

## Appendix D. Output Power Measurement

### <WCDMA Conducted Power>

1. The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification.
2. The procedures in KDB 941225 D01v03r01 are applied for 3GPP Rel. 6 HSPA to configure the device in the required sub-test mode(s) to determine SAR test exclusion.
3. For DC-HSDPA, the device was configured according to the H-Set 12, Fixed Reference Channel (FRC) configuration in Table C.8.1.12 of 3GPP TS 34.121-1, with the primary and the secondary serving HS-DSCH Cell enabled during the power measurement.
4. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
5. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is  $\leq \frac{1}{4}$  dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is  $\leq 1.2$  W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA, DC-HSDPA) are less than  $\frac{1}{4}$  dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA.

A summary of these settings are illustrated below:

**HSDPA Setup Configuration:**

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting:
  - i. Set Gain Factors ( $\beta_c$  and  $\beta_d$ ) and parameters were set according to each
  - ii. Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
  - iii. Set RMC 12.2Kbps + HSDPA mode.
  - iv. Set Cell Power = -86 dBm
  - v. Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
  - vi. Select HSDPA Uplink Parameters
  - vii. Set Delta ACK, Delta NACK and Delta CQI = 8
  - viii. Set Ack-Nack Repetition Factor to 3
  - ix. Set CQI Feedback Cycle (k) to 4 ms
  - x. Set CQI Repetition Factor to 2
  - xi. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.

**Table C.10.1.4:  $\beta$  values for transmitter characteristics tests with HS-DPCCH**

| Sub-test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\beta_c$         | $\beta_d$         | $\beta_d$<br>(SF) | $\beta_c/\beta_d$ | $\beta_{hs}$<br>(Note 1,<br>Note 2) | CM (dB)<br>(Note 3) | MPR (dB)<br>(Note 3) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------------|---------------------|----------------------|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2/15              | 15/15             | 64                | 2/15              | 4/15                                | 0.0                 | 0.0                  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 12/15<br>(Note 4) | 15/15<br>(Note 4) | 64                | 12/15<br>(Note 4) | 24/15                               | 1.0                 | 0.0                  |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 15/15             | 8/15              | 64                | 15/8              | 30/15                               | 1.5                 | 0.5                  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 15/15             | 4/15              | 64                | 15/4              | 30/15                               | 1.5                 | 0.5                  |
| <p>Note 1: <math>\Delta_{ACK}</math>, <math>\Delta_{NACK}</math> and <math>\Delta_{CQI} = 30/15</math> with <math>\beta_{hs} = 30/15 * \beta_c</math>.</p> <p>Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, <math>\Delta_{ACK}</math> and <math>\Delta_{NACK} = 30/15</math> with <math>\beta_{hs} = 30/15 * \beta_c</math>, and <math>\Delta_{CQI} = 24/15</math> with <math>\beta_{hs} = 24/15 * \beta_c</math>.</p> <p>Note 3: CM = 1 for <math>\beta_c/\beta_d = 12/15</math>, <math>\beta_{hs}/\beta_c = 24/15</math>. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.</p> <p>Note 4: For subtest 2 the <math>\beta_c/\beta_d</math> ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to <math>\beta_c = 11/15</math> and <math>\beta_d = 15/15</math>.</p> |                   |                   |                   |                   |                                     |                     |                      |

**Setup Configuration**

**HSUPA Setup Configuration:**

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration.
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting \* :
  - i. Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
  - ii. Set the Gain Factors ( $\beta_c$  and  $\beta_d$ ) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121
  - iii. Set Cell Power = -86 dBm
  - iv. Set Channel Type = 12.2k + HSPA
  - v. Set UE Target Power
  - vi. Power Ctrl Mode= Alternating bits
  - vii. Set and observe the E-TFCI
  - viii. Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
- d. The transmitted maximum output power was recorded.

**Table C.11.1.3:  $\beta$  values for transmitter characteristics tests with HS-DPCCH and E-DCH**

| Sub-test | $\beta_c$      | $\beta_d$      | $\beta_d$ (SF) | $\beta_c/\beta_d$ | $\beta_{HS}$ (Note 1) | $\beta_{ec}$ | $\beta_{ed}$ (Note 4) (Note 5)                 | $\beta_{ed}$ (SF) | $\beta_{ed}$ (Codes) | CM (dB) (Note 2) | MPR (dB) (Note 2) (Note 6) | AG Index (Note 5) | E-TFCI |
|----------|----------------|----------------|----------------|-------------------|-----------------------|--------------|------------------------------------------------|-------------------|----------------------|------------------|----------------------------|-------------------|--------|
| 1        | 11/15 (Note 3) | 15/15 (Note 3) | 64             | 11/15 (Note 3)    | 22/15                 | 209/25       | 1309/225                                       | 4                 | 1                    | 1.0              | 0.0                        | 20                | 75     |
| 2        | 6/15           | 15/15          | 64             | 6/15              | 12/15                 | 12/15        | 94/75                                          | 4                 | 1                    | 3.0              | 2.0                        | 12                | 67     |
| 3        | 15/15          | 9/15           | 64             | 15/9              | 30/15                 | 30/15        | $\beta_{ed1}$ : 47/15<br>$\beta_{ed2}$ : 47/15 | 4                 | 2                    | 2.0              | 1.0                        | 15                | 92     |
| 4        | 2/15           | 15/15          | 64             | 2/15              | 4/15                  | 2/15         | 56/75                                          | 4                 | 1                    | 3.0              | 2.0                        | 17                | 71     |
| 5        | 15/15          | 0              | -              | -                 | 5/15                  | 5/15         | 47/15                                          | 4                 | 1                    | 1.0              | 0.0                        | 12                | 67     |

Note 1: For sub-test 1 to 4,  $\Delta_{ACK}$ ,  $\Delta_{NACK}$  and  $\Delta_{CQI} = 30/15$  with  $\beta_{hs} = 30/15 * \beta_c$ . For sub-test 5,  $\Delta_{ACK}$ ,  $\Delta_{NACK}$  and  $\Delta_{CQI} = 5/15$  with  $\beta_{hs} = 5/15 * \beta_c$ .

Note 2: CM = 1 for  $\beta_c/\beta_d = 12/15$ ,  $\beta_{hs}/\beta_c = 24/15$ . For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the  $\beta_c/\beta_d$  ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to  $\beta_c = 10/15$  and  $\beta_d = 15/15$ .

Note 4: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.

Note 5:  $\beta_{ed}$  can not be set directly; it is set by Absolute Grant Value.

Note 6: For subtests 2, 3 and 4, UE may perform E-DPDCH power scaling at max power which could results in slightly smaller MPR values.

**Setup Configuration**

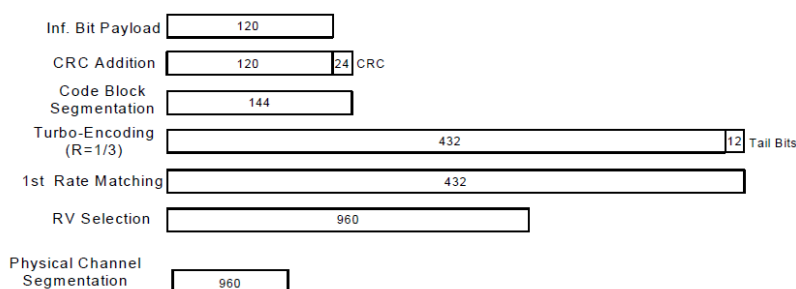
**DC-HSDPA 3GPP release 8 Setup Configuration:**

- a. The EUT was connected to Base Station Agilent E5515C referred to the Setup Configuration below
- b. The RF path losses were compensated into the measurements.
- c. A call was established between EUT and Base Station with following setting:
  - i. Set RMC 12.2Kbps + HSDPA mode.
  - ii. Set Cell Power = -25 dBm
  - iii. Set HS-DSCH Configuration Type to FRC (H-set 12, QPSK)
  - iv. Select HSDPA Uplink Parameters
  - v. Set Gain Factors ( $\beta_c$  and  $\beta_d$ ) and parameters were set according to each Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
    - a). Subtest 1:  $\beta_c/\beta_d=2/15$
    - b). Subtest 2:  $\beta_c/\beta_d=12/15$
    - c). Subtest 3:  $\beta_c/\beta_d=15/8$
    - d). Subtest 4:  $\beta_c/\beta_d=15/4$
  - vi. Set Delta ACK, Delta NACK and Delta CQI = 8
  - vii. Set Ack-Nack Repetition Factor to 3
  - viii. Set CQI Feedback Cycle (k) to 4 ms
  - ix. Set CQI Repetition Cycle to 2
  - x. Power Ctrl Mode = All Up bits
- d. The transmitted maximum output power was recorded.

The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

**C.8.1.12 Fixed Reference Channel Definition H-Set 12**
**Table C.8.1.12: Fixed Reference Channel H-Set 12**

| Parameter                                                                                                                                              | Unit      | Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
| Nominal Avg. Inf. Bit Rate                                                                                                                             | kbps      | 60    |
| Inter-TTI Distance                                                                                                                                     | TTI's     | 1     |
| Number of HARQ Processes                                                                                                                               | Processes | 6     |
| Information Bit Payload ( $N_{INF}$ )                                                                                                                  | Bits      | 120   |
| Number Code Blocks                                                                                                                                     | Blocks    | 1     |
| Binary Channel Bits Per TTI                                                                                                                            | Bits      | 960   |
| Total Available SML's in UE                                                                                                                            | SML's     | 19200 |
| Number of SML's per HARQ Proc.                                                                                                                         | SML's     | 3200  |
| Coding Rate                                                                                                                                            |           | 0.15  |
| Number of Physical Channel Codes                                                                                                                       | Codes     | 1     |
| Modulation                                                                                                                                             |           | QPSK  |
| Note 1: The RMC is intended to be used for DC-HSDPA mode and both cells shall transmit with identical parameters as listed in the table.               |           |       |
| Note 2: Maximum number of transmission is limited to 1, i.e., retransmission is not allowed. The redundancy and constellation version 0 shall be used. |           |       |


**Figure C.8.19: Coding rate for Fixed reference Channel H-Set 12 (QPSK)**
**Setup Configuration**

**<LTE Conducted Power>****General Note:**

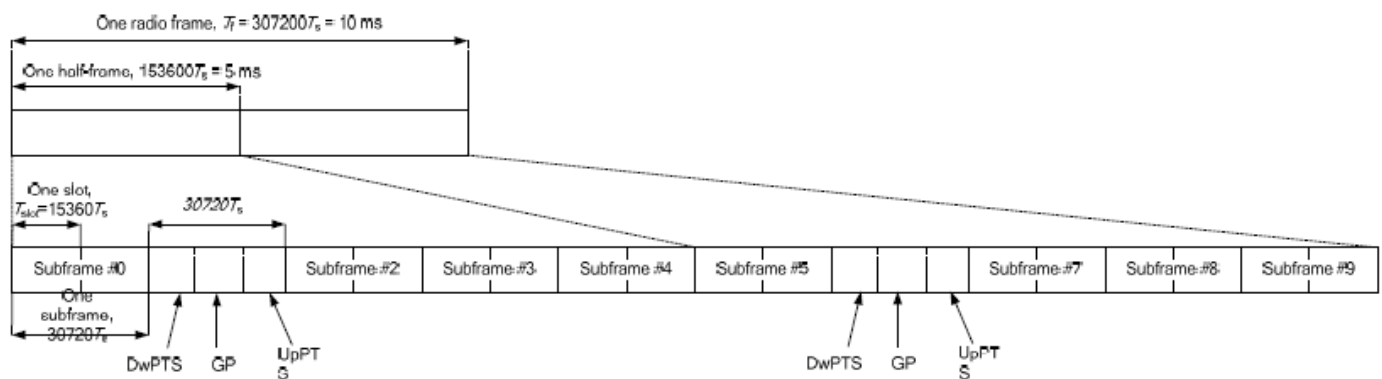
1. A Base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05v02r05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are  $\leq 0.8$  W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is  $> 1.45$  W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is  $>$  not  $\frac{1}{2}$  dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is  $\leq 1.45$  W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
7. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is  $>$  not  $\frac{1}{2}$  dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is  $\leq 1.45$  W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
8. For LTE B4/B5/B12/B17/B26/B38/B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
9. LTE band 2/4/5/17/38 SAR test was covered by Band 25/66/26/12/41; according to April 2015 TCB workshop, SAR test for overlapping LTE bands can be reduced if
  - a. the maximum output power, including tolerance, for the smaller band is  $\leq$  the larger band to qualify for the SAR test exclusion
  - b. the channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band

### <TDD LTE SAR Measurement>

TDD LTE configuration setup for SAR measurement

SAR was tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

- 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
- “special subframe S” contains both uplink and downlink transmissions, it has been taken into consideration to determine the transmission duty factor according to the worst case uplink and downlink cyclic prefix requirements for UpPTS
- Establishing connections with base station simulators ensure a consistent means for testing SAR and recommended for evaluating SAR. The Base station simulator was used for LTE output power measurements and SAR testing.



**Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).**

**Table 4.2-2: Uplink-downlink configurations.**

| Uplink-downlink configuration | Downlink-to-Uplink Switch-point periodicity | Subframe number |   |   |   |   |   |   |   |   |   |
|-------------------------------|---------------------------------------------|-----------------|---|---|---|---|---|---|---|---|---|
|                               |                                             | 0               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0                             | 5 ms                                        | D               | S | U | U | U | D | S | U | U | U |
| 1                             | 5 ms                                        | D               | S | U | U | D | D | S | U | U | D |
| 2                             | 5 ms                                        | D               | S | U | D | D | D | S | U | D | D |
| 3                             | 10 ms                                       | D               | S | U | U | U | D | D | D | D | D |
| 4                             | 10 ms                                       | D               | S | U | U | D | D | D | D | D | D |
| 5                             | 10 ms                                       | D               | S | U | D | D | D | D | D | D | D |
| 6                             | 5 ms                                        | D               | S | U | U | U | D | S | U | U | D |

**Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).**

| Special subframe configuration | Normal cyclic prefix in downlink |                                |                                  | Extended cyclic prefix in downlink |                                |                                  |
|--------------------------------|----------------------------------|--------------------------------|----------------------------------|------------------------------------|--------------------------------|----------------------------------|
|                                | DwPTS                            | UpPTS                          |                                  | DwPTS                              | UpPTS                          |                                  |
|                                |                                  | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |                                    | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |
| 0                              | $6592 \cdot T_s$                 | $2192 \cdot T_s$               | $2560 \cdot T_s$                 | $7680 \cdot T_s$                   | $2192 \cdot T_s$               | $2560 \cdot T_s$                 |
| 1                              | $19760 \cdot T_s$                |                                |                                  | $20480 \cdot T_s$                  |                                |                                  |
| 2                              | $21952 \cdot T_s$                |                                |                                  | $23040 \cdot T_s$                  |                                |                                  |
| 3                              | $24144 \cdot T_s$                |                                |                                  | $25600 \cdot T_s$                  |                                |                                  |
| 4                              | $26336 \cdot T_s$                | $4384 \cdot T_s$               | $5120 \cdot T_s$                 | $7680 \cdot T_s$                   | $4384 \cdot T_s$               | $5120 \cdot T_s$                 |
| 5                              | $6592 \cdot T_s$                 |                                |                                  | $20480 \cdot T_s$                  |                                |                                  |
| 6                              | $19760 \cdot T_s$                |                                |                                  | $23040 \cdot T_s$                  |                                |                                  |
| 7                              | $21952 \cdot T_s$                |                                |                                  | $12800 \cdot T_s$                  |                                |                                  |
| 8                              | $24144 \cdot T_s$                |                                |                                  | -                                  | -                              | -                                |
| 9                              | $13168 \cdot T_s$                |                                |                                  | -                                  | -                              | -                                |

| Special subframe (30720·T <sub>s</sub> ): Normal cyclic prefix in downlink (UpPTS) |                                |                                |                                  |
|------------------------------------------------------------------------------------|--------------------------------|--------------------------------|----------------------------------|
|                                                                                    | Special subframe configuration | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |
| Uplink duty factor in one special subframe                                         | 0~4                            | 7.13%                          | 8.33%                            |
|                                                                                    | 5~9                            | 14.3%                          | 16.7%                            |

| Special subframe(30720·T <sub>s</sub> ): Extended cyclic prefix in downlink (UpPTS) |                                |                                |                                  |
|-------------------------------------------------------------------------------------|--------------------------------|--------------------------------|----------------------------------|
|                                                                                     | Special subframe configuration | Normal cyclic prefix in uplink | Extended cyclic prefix in uplink |
| Uplink duty factor in one special subframe                                          | 0~3                            | 7.13%                          | 8.33%                            |
|                                                                                     | 4~7                            | 14.3%                          | 16.7%                            |

The highest duty factor is resulted from:

- Uplink-downlink configuration: 0. In a half-frame consisted of 5 subframes, uplink operation is in 3 uplink subframes and 1 special subframe.
- special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink
- for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is:  $(3+0.167)/5 = 63.3\%$
- for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is:  $(3+0.143)/5 = 62.9\%$
- For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix  $63.3\%/62.9\% = 1.006$  is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)\* Tune-up Scaling Factor\* scaling factor for extended cyclic prefix.
- The device supports Power Class 3 uplink-downlink configurations 0 and 6, and Power Class 2 uplink-downlink configurations 1 to 5 operations for LTE Band 41.
- The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1, for Power Class 3 operation is 63.3% using UL-DL configuration 0. Per FCC Guidance, all SAR tests were performed using Power Class 3. SAR with Power Class 2 at the available duty factor was additionally performed for the Power Class 3 configuration with the highest SAR among all exposure condition.

**<5G NR Note>**

1. Referencing the procedure in KDB 941225, the test procedures are outlined as below
  - a. For DFT-OFDM output power measurement, full measurement was done for PI/2 BPSK and QPSK and for the largest supported bandwidth, repeat test for 16QAM/64QAM/256QAM under 1RB 1Offset configuration. For smaller bandwidth, measure conducted power for PI/2 BPSK and 1RB 1Offset configuration.
  - b. According to the tune-up, CP-OFDM output power is not ½ dB higher than DFT-OFDM mode, and the reported SAR of DFT-OFDM mode reported SAR is  $\leq 1.45$  W/kg, SAR test and thus conducted power for CP-OFDM mode is not required.
  - c. To start SAR test for the largest channel bandwidth for PI/2 BPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel. Also do SAR test for 50% RB allocation for PI/2 BPSK SAR testing using 1RB PI/2 BPSK allocation procedure
  - d. For PI/2 BPSK with 100% RB allocation, SAR test is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are  $\leq 0.8$  W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is  $> 1.45$  W/kg, the remaining required test channels must also be tested.
  - e. For higher modulation QPSK/16QAM/64QAM/256QAM, according to tune-up document the power level is not ½ dB higher than the same configuration in PI/2 BPSK, also reported SAR for the PI/2 BPSK configuration is less than 1.45 W/kg, QPSK/16QAM/64QAM/256QAM SAR testing are not required.
  - f. Smaller bandwidth output power for each RB allocation configuration for this device is not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is  $\leq 1.45$  W/kg, smaller bandwidth SAR testing is not required for this device
2. Due to test setup limitations, SAR testing for NR TDD Power class 3 was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission. For NR TDD power class2 was performed using Factory Test Mode software to establish the connection and perform SAR with 50% transmission.
3. For NR FDD was establishing connections via a base station simulator to use for output power measurement and SAR testing

**<3GPP 38.101 MPR for EN-DC>**
**Table 6.2.2-1 Maximum power reduction (MPR) for power class 3**

| Modulation |           | MPR (dB)            |                      |                      |
|------------|-----------|---------------------|----------------------|----------------------|
|            |           | Edge RB allocations | Outer RB allocations | Inner RB allocations |
| DFT-s-OFDM | Pi/2 BPSK | $\leq 3.5^1$        | $\leq 1.2^1$         | $\leq 0.2^1$         |
|            |           | $\leq 0.5^2$        | $\leq 0.5^2$         | 0 <sup>2</sup>       |
|            | QPSK      | $\leq 1$            |                      | 0                    |
|            | 16 QAM    | $\leq 2$            |                      | $\leq 1$             |
|            | 64 QAM    | $\leq 2.5$          |                      |                      |
| CP-OFDM    | 256 QAM   | $\leq 4.5$          |                      |                      |
|            | QPSK      | $\leq 3$            |                      | $\leq 1.5$           |
|            | 16 QAM    | $\leq 3$            |                      | $\leq 2$             |
|            | 64 QAM    | $\leq 3.5$          |                      |                      |
|            | 256 QAM   | $\leq 6.5$          |                      |                      |

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26 dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

**Table 6.2.2-2 Maximum power reduction (MPR) for power class 2**

| Modulation |           | MPR (dB)            |                      |                      |
|------------|-----------|---------------------|----------------------|----------------------|
|            |           | Edge RB allocations | Outer RB allocations | Inner RB allocations |
| DFT-s-OFDM | Pi/2 BPSK | ≤ 3.5               | ≤ 0.5                | 0                    |
|            | QPSK      | ≤ 3.5               | ≤ 1                  | 0                    |
|            | 16 QAM    | ≤ 3.5               | ≤ 2                  | ≤ 1                  |
|            | 64 QAM    | ≤ 3.5               | ≤ 2.5                |                      |
|            | 256 QAM   | ≤ 4.5               |                      |                      |
| CP-OFDM    | QPSK      | ≤ 3.5               | ≤ 3                  | ≤ 1.5                |
|            | 16 QAM    | ≤ 3.5               | ≤ 3                  | ≤ 2                  |
|            | 64 QAM    | ≤ 3.5               |                      |                      |
|            | 256 QAM   | ≤ 6.5               |                      |                      |

**<WLAN Note>**

1. The SISO operation only operate in 2.4GHz WLAN, the MIMO operation is support in 2.4GHz / 5GHz / 6GHz WLAN
2. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures. For "Not required", SAR Test reduction was applied from KDB 248227 guidance, Sec. 2.1, b), 1) when the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, additional output power measurements were not necessary.
3. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
4. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
5. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
6. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures. The initial test position procedure is described in the following:
  - a. When the reported SAR of the initial test position is  $\leq 0.4$  W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
  - b. When the reported SAR of the test position is  $> 0.4$  W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is  $\leq 0.8$  W/kg or all required test position are tested.
  - c. For all positions/configurations, when the reported SAR is  $> 0.8$  W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is  $\leq 1.2$  W/kg or all required channels are tested.
7. Per 201904 TCBC workshops, General principles of FCC KDB Publication 248227 D01 can be applied to determine the SAR Initial Test Configurations and test reduction for 802.11ax SAR testing. For the table below the 802.11ax maximum power is SU (non-OFDMA), and the SU maximum power also higher than RU (OFDMA)
8. In applying the test guidance, the IEEE 802.11 mode with the maximum output power (out of all modes) should be considered for testing
9. For modes with the same maximum output power, the guidance from section 5.3.2 a) of FCC KDB Publication 248227 D01 should be applied, with 802.11ax being considered as the highest 802.11 mode for the appropriate frequency bands
10. When SAR testing for 802.11ax is required
  - a. If the maximum output power is highest for OFDMA scenarios, choose the tone size with the maximum number of tones and the highest maximum output power
  - b. Otherwise, consider the fully allocated channel for SAR testing
  - c. When SAR testing is required on RU sizes less than the fully allocated channel, use the RU number closest to the middle of the channel, choosing the higher RU number when two RUs are equidistant to the middle of the channel

**<Bluetooth>**

For 2.4GHz Bluetooth SAR testing was selected ER/EDR 1Mbps due to its highest average power and duty cycle list below are considered in SAR testing, and the duty cycle would be scaled to theoretical 83.3% in reported SAR calculation, for the duty cycle figure and output

## Free Space\_DSI0

| Band            |                    | WCDMA II_Ant 1_DSI 0 |       |        | Tune-up<br>Limit<br>(dBm) | WCDMA IV_Ant 1_DSI 0 |        |        | Tune-up<br>Limit<br>(dBm) | WCDMA V_Ant 1_DSI 0 |       |       | Tune-up<br>Limit<br>(dBm) |
|-----------------|--------------------|----------------------|-------|--------|---------------------------|----------------------|--------|--------|---------------------------|---------------------|-------|-------|---------------------------|
| TX Channel      |                    | 9262                 | 9400  | 9538   |                           | 1312                 | 1413   | 1513   |                           | 4132                | 4182  | 4233  |                           |
| Rx Channel      |                    | 9662                 | 9800  | 9938   |                           | 1537                 | 1638   | 1738   |                           | 4357                | 4407  | 4458  |                           |
| Frequency (MHz) |                    | 1852.4               | 1880  | 1907.6 |                           | 1712.4               | 1732.6 | 1752.6 |                           | 826.4               | 836.4 | 846.6 |                           |
| 3GPP Rel 99     | RMC 12.2Kbps       | 23.22                | 23.61 | 23.71  | 25.20                     | 24.21                | 24.43  | 24.44  | 25.20                     | 24.68               | 24.58 | 24.49 | 25.20                     |
| 3GPP Rel 6      | HSDPA Subtest-1    | 22.25                | 22.65 | 22.75  | 24.20                     | 23.23                | 23.38  | 23.49  | 24.20                     | 23.66               | 23.69 | 23.42 | 24.20                     |
| 3GPP Rel 6      | HSDPA Subtest-2    | 22.28                | 22.58 | 22.73  | 24.20                     | 23.22                | 23.41  | 23.51  | 24.20                     | 23.63               | 23.63 | 23.41 | 24.20                     |
| 3GPP Rel 6      | HSDPA Subtest-3    | 21.75                | 22.07 | 22.22  | 23.70                     | 22.75                | 22.89  | 22.98  | 23.70                     | 23.12               | 23.15 | 22.88 | 23.70                     |
| 3GPP Rel 6      | HSDPA Subtest-4    | 21.90                | 22.10 | 22.26  | 23.70                     | 22.73                | 22.91  | 22.92  | 23.70                     | 23.14               | 23.17 | 23.02 | 23.70                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 22.22                | 22.47 | 22.57  | 24.20                     | 23.06                | 23.29  | 23.42  | 24.20                     | 23.65               | 23.67 | 23.36 | 24.20                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 22.27                | 22.41 | 22.68  | 24.20                     | 23.08                | 23.38  | 23.42  | 24.20                     | 23.60               | 23.50 | 23.27 | 24.20                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 21.81                | 21.95 | 22.22  | 23.70                     | 22.67                | 22.82  | 22.90  | 23.70                     | 22.93               | 23.09 | 22.74 | 23.70                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 21.87                | 21.96 | 22.15  | 23.70                     | 22.73                | 22.83  | 22.87  | 23.70                     | 22.98               | 23.05 | 22.86 | 23.70                     |
| 3GPP Rel 6      | HSUPA Subtest-1    | 22.35                | 22.63 | 22.73  | 24.20                     | 23.19                | 23.37  | 23.39  | 24.20                     | 23.65               | 23.63 | 23.42 | 24.20                     |
| 3GPP Rel 6      | HSUPA Subtest-2    | 20.43                | 20.60 | 20.72  | 22.20                     | 21.21                | 21.39  | 21.44  | 22.20                     | 21.71               | 21.65 | 21.39 | 22.20                     |
| 3GPP Rel 6      | HSUPA Subtest-3    | 21.22                | 21.55 | 21.71  | 23.20                     | 22.23                | 22.31  | 22.36  | 23.20                     | 22.63               | 22.62 | 22.35 | 23.20                     |
| 3GPP Rel 6      | HSUPA Subtest-4    | 20.46                | 20.55 | 20.78  | 22.20                     | 21.22                | 21.41  | 21.47  | 22.20                     | 21.66               | 21.56 | 21.37 | 22.20                     |
| 3GPP Rel 6      | HSUPA Subtest-5    | 22.20                | 22.60 | 22.70  | 24.20                     | 23.20                | 23.40  | 23.40  | 24.20                     | 23.60               | 23.60 | 23.40 | 24.20                     |



<LTE Band 2\_Ant 1\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 18700                    | 18900                       | 19100                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |
| 20              | QPSK       | 1       | 0         | 24.01                    | 24.27                       | 24.18                     | 25.2                   |
| 20              | QPSK       | 1       | 49        | 24.14                    | 24.18                       | 24.14                     |                        |
| 20              | QPSK       | 1       | 99        | 24.13                    | 24.21                       | 24.12                     |                        |
| 20              | QPSK       | 50      | 0         | 23.09                    | 23.28                       | 23.18                     | 24.2                   |
| 20              | QPSK       | 50      | 24        | 23.17                    | 23.27                       | 23.32                     |                        |
| 20              | QPSK       | 50      | 50        | 23.18                    | 23.27                       | 23.26                     |                        |
| 20              | QPSK       | 100     | 0         | 23.16                    | 23.24                       | 23.29                     |                        |
| 20              | 16QAM      | 1       | 0         | 23.03                    | 23.23                       | 23.28                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 23.21                    | 23.38                       | 23.30                     |                        |
| 20              | 16QAM      | 1       | 99        | 23.31                    | 23.31                       | 23.22                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.88                    | 22.03                       | 22.02                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 22.04                    | 22.06                       | 22.06                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.05                    | 22.09                       | 22.07                     |                        |
| 20              | 16QAM      | 100     | 0         | 22.00                    | 22.02                       | 22.07                     |                        |
| 20              | 64QAM      | 1       | 0         | 22.29                    | 22.12                       | 22.29                     | 23.2                   |
| 20              | 64QAM      | 1       | 49        | 22.23                    | 22.37                       | 22.24                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.23                    | 22.18                       | 22.13                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.96                    | 21.00                       | 21.04                     | 22.2                   |
| 20              | 64QAM      | 50      | 24        | 21.03                    | 21.06                       | 21.09                     |                        |
| 20              | 64QAM      | 50      | 50        | 21.03                    | 21.10                       | 21.07                     |                        |
| 20              | 64QAM      | 100     | 0         | 21.02                    | 21.04                       | 21.10                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.91                    | 19.19                       | 19.09                     | 20.2                   |
| 20              | 256QAM     | 1       | 49        | 19.05                    | 19.25                       | 19.17                     |                        |
| 20              | 256QAM     | 1       | 99        | 19.09                    | 19.20                       | 19.34                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.97                    | 19.05                       | 19.08                     | 20.2                   |
| 20              | 256QAM     | 50      | 24        | 19.05                    | 19.15                       | 19.09                     |                        |
| 20              | 256QAM     | 50      | 50        | 19.07                    | 19.17                       | 19.16                     |                        |
| 20              | 256QAM     | 100     | 0         | 19.02                    | 19.12                       | 19.13                     |                        |
| Channel         |            |         |           | 18675                    | 18900                       | 19125                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1902.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.83                    | 24.12                       | 24.01                     | 25.2                   |
| 15              | QPSK       | 1       | 37        | 24.03                    | 23.99                       | 23.99                     |                        |
| 15              | QPSK       | 1       | 74        | 23.96                    | 24.07                       | 24.02                     |                        |
| 15              | QPSK       | 36      | 0         | 22.95                    | 23.13                       | 23.03                     | 24.2                   |
| 15              | QPSK       | 36      | 20        | 23.07                    | 23.10                       | 23.18                     |                        |
| 15              | QPSK       | 36      | 39        | 23.03                    | 23.14                       | 23.12                     |                        |
| 15              | QPSK       | 75      | 0         | 22.99                    | 23.11                       | 23.14                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.83                    | 23.10                       | 23.08                     | 24.2                   |
| 15              | 16QAM      | 1       | 37        | 23.08                    | 23.22                       | 23.17                     |                        |
| 15              | 16QAM      | 1       | 74        | 23.18                    | 23.20                       | 23.08                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.69                    | 21.86                       | 21.85                     | 23.2                   |
| 15              | 16QAM      | 36      | 20        | 21.92                    | 21.88                       | 21.91                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.95                    | 21.96                       | 21.96                     |                        |
| 15              | 16QAM      | 75      | 0         | 21.86                    | 21.92                       | 21.92                     |                        |
| 15              | 64QAM      | 1       | 0         | 22.16                    | 21.93                       | 22.13                     | 23.2                   |
| 15              | 64QAM      | 1       | 37        | 22.07                    | 22.26                       | 22.14                     |                        |
| 15              | 64QAM      | 1       | 74        | 22.06                    | 22.03                       | 21.96                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.79                    | 20.90                       | 20.88                     | 22.2                   |
| 15              | 64QAM      | 36      | 20        | 20.84                    | 20.88                       | 20.96                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.93                    | 20.97                       | 20.90                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.88                    | 20.94                       | 20.91                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.73                    | 19.03                       | 18.92                     | 20.2                   |
| 15              | 256QAM     | 1       | 37        | 18.95                    | 19.07                       | 19.01                     |                        |
| 15              | 256QAM     | 1       | 74        | 18.91                    | 19.01                       | 19.23                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.83                    | 18.90                       | 18.96                     | 20.2                   |
| 15              | 256QAM     | 36      | 20        | 18.90                    | 19.00                       | 18.99                     |                        |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 18.92  | 19.03 | 18.96  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 18.84  | 18.94 | 19.01  |                     |
| Channel         |        |    |    | 18650  | 18900 | 19150  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1855   | 1880  | 1905   |                     |
| 10              | QPSK   | 1  | 0  | 23.81  | 24.15 | 24.04  | 25.2                |
| 10              | QPSK   | 1  | 25 | 24.03  | 24.06 | 23.96  |                     |
| 10              | QPSK   | 1  | 49 | 23.99  | 24.09 | 23.95  |                     |
| 10              | QPSK   | 25 | 0  | 22.91  | 23.10 | 22.98  | 24.2                |
| 10              | QPSK   | 25 | 12 | 22.98  | 23.10 | 23.12  |                     |
| 10              | QPSK   | 25 | 25 | 23.01  | 23.14 | 23.16  |                     |
| 10              | QPSK   | 50 | 0  | 23.02  | 23.10 | 23.16  |                     |
| 10              | 16QAM  | 1  | 0  | 22.93  | 23.12 | 23.16  | 24.2                |
| 10              | 16QAM  | 1  | 25 | 23.10  | 23.22 | 23.13  |                     |
| 10              | 16QAM  | 1  | 49 | 23.12  | 23.19 | 23.07  |                     |
| 10              | 16QAM  | 25 | 0  | 21.77  | 21.93 | 21.92  | 23.2                |
| 10              | 16QAM  | 25 | 12 | 21.86  | 21.88 | 21.91  |                     |
| 10              | 16QAM  | 25 | 25 | 21.94  | 21.89 | 21.93  |                     |
| 10              | 16QAM  | 50 | 0  | 21.87  | 21.88 | 21.89  |                     |
| 10              | 64QAM  | 1  | 0  | 22.11  | 21.95 | 22.17  | 23.2                |
| 10              | 64QAM  | 1  | 25 | 22.13  | 22.21 | 22.12  |                     |
| 10              | 64QAM  | 1  | 49 | 22.05  | 21.98 | 22.00  |                     |
| 10              | 64QAM  | 25 | 0  | 20.77  | 20.82 | 20.93  | 22.2                |
| 10              | 64QAM  | 25 | 12 | 20.88  | 20.88 | 20.99  |                     |
| 10              | 64QAM  | 25 | 25 | 20.92  | 20.97 | 20.87  |                     |
| 10              | 64QAM  | 50 | 0  | 20.84  | 20.84 | 20.90  |                     |
| 10              | 256QAM | 1  | 0  | 18.71  | 19.09 | 18.93  | 20.2                |
| 10              | 256QAM | 1  | 25 | 18.93  | 19.13 | 19.07  |                     |
| 10              | 256QAM | 1  | 49 | 18.91  | 19.09 | 19.22  |                     |
| 10              | 256QAM | 25 | 0  | 18.85  | 18.95 | 18.96  | 20.2                |
| 10              | 256QAM | 25 | 12 | 18.95  | 19.05 | 18.99  |                     |
| 10              | 256QAM | 25 | 25 | 18.89  | 19.07 | 18.96  |                     |
| 10              | 256QAM | 50 | 0  | 18.90  | 18.99 | 18.94  |                     |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.84  | 24.14 | 24.07  | 25.2                |
| 5               | QPSK   | 1  | 12 | 23.99  | 24.04 | 23.97  |                     |
| 5               | QPSK   | 1  | 24 | 24.00  | 24.11 | 23.98  |                     |
| 5               | QPSK   | 12 | 0  | 22.92  | 23.11 | 23.06  | 24.2                |
| 5               | QPSK   | 12 | 7  | 23.00  | 23.10 | 23.22  |                     |
| 5               | QPSK   | 12 | 13 | 22.99  | 23.10 | 23.11  |                     |
| 5               | QPSK   | 25 | 0  | 22.97  | 23.11 | 23.13  |                     |
| 5               | 16QAM  | 1  | 0  | 22.90  | 23.09 | 23.11  | 24.2                |
| 5               | 16QAM  | 1  | 12 | 23.02  | 23.20 | 23.14  |                     |
| 5               | 16QAM  | 1  | 24 | 23.20  | 23.14 | 23.06  |                     |
| 5               | 16QAM  | 12 | 0  | 21.72  | 21.85 | 21.89  | 23.2                |
| 5               | 16QAM  | 12 | 7  | 21.94  | 21.96 | 21.93  |                     |
| 5               | 16QAM  | 12 | 13 | 21.95  | 21.90 | 21.90  |                     |
| 5               | 16QAM  | 25 | 0  | 21.81  | 21.91 | 21.92  |                     |
| 5               | 64QAM  | 1  | 0  | 22.15  | 22.00 | 22.14  | 23.2                |
| 5               | 64QAM  | 1  | 12 | 22.06  | 22.26 | 22.08  |                     |
| 5               | 64QAM  | 1  | 24 | 22.09  | 22.08 | 21.98  |                     |
| 5               | 64QAM  | 12 | 0  | 20.86  | 20.87 | 20.85  | 22.2                |
| 5               | 64QAM  | 12 | 7  | 20.83  | 20.88 | 20.96  |                     |
| 5               | 64QAM  | 12 | 13 | 20.88  | 20.92 | 20.91  |                     |
| 5               | 64QAM  | 25 | 0  | 20.90  | 20.84 | 20.95  |                     |
| 5               | 256QAM | 1  | 0  | 18.81  | 19.04 | 18.98  | 20.2                |
| 5               | 256QAM | 1  | 12 | 18.90  | 19.07 | 19.00  |                     |
| 5               | 256QAM | 1  | 24 | 18.98  | 19.10 | 19.23  |                     |
| 5               | 256QAM | 12 | 0  | 18.82  | 18.85 | 18.98  | 20.2                |
| 5               | 256QAM | 12 | 7  | 18.93  | 18.98 | 18.89  |                     |
| 5               | 256QAM | 12 | 13 | 18.89  | 19.01 | 18.99  |                     |
| 5               | 256QAM | 25 | 0  | 18.90  | 18.95 | 18.99  |                     |
| Channel         |        |    |    | 18615  | 18900 | 19185  | Tune-up limit       |



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| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 | (dBm)               |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 3               | QPSK   | 1  | 0  | 23.82  | 24.09 | 24.03  | 25.2                |
| 3               | QPSK   | 1  | 8  | 23.98  | 24.04 | 23.97  |                     |
| 3               | QPSK   | 1  | 14 | 23.98  | 24.02 | 24.01  |                     |
| 3               | QPSK   | 8  | 0  | 22.96  | 23.08 | 23.07  | 24.2                |
| 3               | QPSK   | 8  | 4  | 22.98  | 23.14 | 23.21  |                     |
| 3               | QPSK   | 8  | 7  | 23.08  | 23.13 | 23.06  |                     |
| 3               | QPSK   | 15 | 0  | 23.02  | 23.04 | 23.12  | 24.2                |
| 3               | 16QAM  | 1  | 0  | 22.92  | 23.11 | 23.09  |                     |
| 3               | 16QAM  | 1  | 8  | 23.05  | 23.19 | 23.20  |                     |
| 3               | 16QAM  | 1  | 14 | 23.14  | 23.15 | 23.03  | 23.2                |
| 3               | 16QAM  | 8  | 0  | 21.72  | 21.90 | 21.85  |                     |
| 3               | 16QAM  | 8  | 4  | 21.92  | 21.88 | 21.88  |                     |
| 3               | 16QAM  | 8  | 7  | 21.91  | 21.91 | 21.90  | 23.2                |
| 3               | 16QAM  | 15 | 0  | 21.89  | 21.90 | 21.87  |                     |
| 3               | 64QAM  | 1  | 0  | 22.18  | 21.94 | 22.19  |                     |
| 3               | 64QAM  | 1  | 8  | 22.11  | 22.17 | 22.14  | 23.2                |
| 3               | 64QAM  | 1  | 14 | 22.09  | 21.99 | 21.93  |                     |
| 3               | 64QAM  | 8  | 0  | 20.80  | 20.88 | 20.88  |                     |
| 3               | 64QAM  | 8  | 4  | 20.84  | 20.89 | 20.98  | 22.2                |
| 3               | 64QAM  | 8  | 7  | 20.92  | 20.95 | 20.94  |                     |
| 3               | 64QAM  | 15 | 0  | 20.88  | 20.89 | 20.91  |                     |
| 3               | 256QAM | 1  | 0  | 18.71  | 19.01 | 18.90  | 20.2                |
| 3               | 256QAM | 1  | 8  | 18.90  | 19.14 | 19.07  |                     |
| 3               | 256QAM | 1  | 14 | 18.91  | 19.07 | 19.17  |                     |
| 3               | 256QAM | 8  | 0  | 18.84  | 18.89 | 18.88  | 20.2                |
| 3               | 256QAM | 8  | 4  | 18.85  | 18.99 | 18.96  |                     |
| 3               | 256QAM | 8  | 7  | 18.95  | 18.98 | 19.06  |                     |
| 3               | 256QAM | 15 | 0  | 18.82  | 18.98 | 18.93  | Tune-up limit (dBm) |
| Channel         |        |    |    | 18607  | 18900 | 19193  |                     |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 | 25.2                |
| 1.4             | QPSK   | 1  | 0  | 23.88  | 24.12 | 24.03  |                     |
| 1.4             | QPSK   | 1  | 3  | 24.00  | 24.03 | 23.98  |                     |
| 1.4             | QPSK   | 1  | 5  | 24.03  | 24.06 | 24.00  | 24.2                |
| 1.4             | QPSK   | 3  | 0  | 23.77  | 23.96 | 23.90  |                     |
| 1.4             | QPSK   | 3  | 1  | 23.88  | 23.86 | 23.88  |                     |
| 1.4             | QPSK   | 3  | 3  | 23.88  | 23.86 | 23.88  | 24.2                |
| 1.4             | QPSK   | 6  | 0  | 22.90  | 23.08 | 23.04  |                     |
| 1.4             | 16QAM  | 1  | 0  | 22.99  | 23.09 | 23.12  |                     |
| 1.4             | 16QAM  | 1  | 3  | 23.00  | 23.10 | 23.15  | 23.2                |
| 1.4             | 16QAM  | 1  | 5  | 22.98  | 23.12 | 23.12  |                     |
| 1.4             | 16QAM  | 3  | 0  | 23.08  | 23.26 | 23.35  |                     |
| 1.4             | 16QAM  | 3  | 1  | 23.29  | 23.27 | 23.33  | 23.2                |
| 1.4             | 16QAM  | 3  | 3  | 23.37  | 23.32 | 23.23  |                     |
| 1.4             | 16QAM  | 6  | 0  | 21.89  | 22.04 | 22.02  |                     |
| 1.4             | 64QAM  | 1  | 0  | 22.11  | 22.08 | 22.15  | 22.2                |
| 1.4             | 64QAM  | 1  | 3  | 22.05  | 22.15 | 22.15  |                     |
| 1.4             | 64QAM  | 1  | 5  | 22.02  | 22.03 | 22.17  |                     |
| 1.4             | 64QAM  | 3  | 0  | 22.33  | 22.15 | 22.38  | 20.2                |
| 1.4             | 64QAM  | 3  | 1  | 22.32  | 22.23 | 22.30  |                     |
| 1.4             | 64QAM  | 3  | 3  | 22.27  | 22.24 | 22.22  |                     |
| 1.4             | 64QAM  | 6  | 0  | 21.00  | 21.03 | 21.10  | 20.2                |
| 1.4             | 256QAM | 1  | 0  | 18.93  | 19.21 | 19.19  |                     |
| 1.4             | 256QAM | 1  | 3  | 19.15  | 19.31 | 19.27  |                     |
| 1.4             | 256QAM | 1  | 5  | 19.11  | 19.24 | 19.34  | 20.2                |
| 1.4             | 256QAM | 3  | 0  | 19.03  | 19.05 | 19.10  |                     |
| 1.4             | 256QAM | 3  | 1  | 19.14  | 19.18 | 19.16  |                     |
| 1.4             | 256QAM | 3  | 3  | 19.13  | 19.21 | 19.19  | 20.2                |
| 1.4             | 256QAM | 6  | 0  | 19.05  | 19.19 | 19.21  |                     |



<LTE Band 2\_Ant 5\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 18700                    | 18900                       | 19100                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |
| 20              | QPSK       | 1       | 0         | 23.92                    | 23.89                       | 23.97                     |                        |
| 20              | QPSK       | 1       | 49        | 23.85                    | 23.85                       | 23.75                     | 25.2                   |
| 20              | QPSK       | 1       | 99        | 23.86                    | 23.88                       | 23.88                     |                        |
| 20              | QPSK       | 50      | 0         | 22.96                    | 22.96                       | 22.87                     |                        |
| 20              | QPSK       | 50      | 24        | 23.08                    | 23.11                       | 23.02                     | 24.2                   |
| 20              | QPSK       | 50      | 50        | 22.99                    | 23.04                       | 22.95                     |                        |
| 20              | QPSK       | 100     | 0         | 23.04                    | 23.08                       | 23.01                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.71                    | 22.81                       | 22.81                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 22.79                    | 22.87                       | 22.85                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.77                    | 22.78                       | 22.70                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.89                    | 21.99                       | 21.94                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 22.03                    | 22.12                       | 22.02                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.05                    | 22.11                       | 22.02                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.96                    | 22.04                       | 22.00                     | 23.2                   |
| 20              | 64QAM      | 1       | 0         | 22.41                    | 22.41                       | 22.33                     |                        |
| 20              | 64QAM      | 1       | 49        | 22.29                    | 22.35                       | 22.28                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.18                    | 22.26                       | 22.16                     | 22.2                   |
| 20              | 64QAM      | 50      | 0         | 20.91                    | 21.01                       | 20.96                     |                        |
| 20              | 64QAM      | 50      | 24        | 21.04                    | 21.04                       | 21.03                     |                        |
| 20              | 64QAM      | 50      | 50        | 21.01                    | 21.06                       | 20.96                     | 20.2                   |
| 20              | 64QAM      | 100     | 0         | 20.96                    | 21.04                       | 20.96                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.84                    | 18.93                       | 18.92                     |                        |
| 20              | 256QAM     | 1       | 49        | 18.94                    | 18.95                       | 18.85                     | 20.2                   |
| 20              | 256QAM     | 1       | 99        | 19.04                    | 19.06                       | 19.04                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.99                    | 19.08                       | 18.98                     |                        |
| 20              | 256QAM     | 50      | 24        | 19.11                    | 19.11                       | 19.09                     | 20.2                   |
| 20              | 256QAM     | 50      | 50        | 19.03                    | 19.09                       | 19.03                     |                        |
| 20              | 256QAM     | 100     | 0         | 19.04                    | 19.12                       | 19.10                     |                        |
| Channel         |            |         |           | 18675                    | 18900                       | 19125                     |                        |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1902.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.81                    | 23.74                       | 23.79                     |                        |
| 15              | QPSK       | 1       | 37        | 23.69                    | 23.71                       | 23.62                     | 25.2                   |
| 15              | QPSK       | 1       | 74        | 23.75                    | 23.77                       | 23.69                     |                        |
| 15              | QPSK       | 36      | 0         | 22.85                    | 22.84                       | 22.77                     |                        |
| 15              | QPSK       | 36      | 20        | 22.93                    | 22.95                       | 22.84                     | 24.2                   |
| 15              | QPSK       | 36      | 39        | 22.85                    | 22.84                       | 22.75                     |                        |
| 15              | QPSK       | 75      | 0         | 22.91                    | 22.91                       | 22.85                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.60                    | 22.69                       | 22.70                     | 24.2                   |
| 15              | 16QAM      | 1       | 37        | 22.61                    | 22.70                       | 22.73                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.60                    | 22.60                       | 22.51                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.71                    | 21.86                       | 21.80                     | 23.2                   |
| 15              | 16QAM      | 36      | 20        | 21.85                    | 21.97                       | 21.87                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.90                    | 21.97                       | 21.90                     |                        |
| 15              | 16QAM      | 75      | 0         | 21.76                    | 21.94                       | 21.82                     | 23.2                   |
| 15              | 64QAM      | 1       | 0         | 22.30                    | 22.26                       | 22.15                     |                        |
| 15              | 64QAM      | 1       | 37        | 22.18                    | 22.18                       | 22.11                     |                        |
| 15              | 64QAM      | 1       | 74        | 21.99                    | 22.15                       | 21.96                     | 22.2                   |
| 15              | 64QAM      | 36      | 0         | 20.76                    | 20.83                       | 20.79                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.86                    | 20.91                       | 20.85                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.84                    | 20.92                       | 20.83                     | 20.2                   |
| 15              | 64QAM      | 75      | 0         | 20.84                    | 20.86                       | 20.84                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.70                    | 18.74                       | 18.75                     |                        |
| 15              | 256QAM     | 1       | 37        | 18.74                    | 18.81                       | 18.68                     | 20.2                   |
| 15              | 256QAM     | 1       | 74        | 18.84                    | 18.94                       | 18.90                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.87                    | 18.93                       | 18.85                     |                        |
| 15              | 256QAM     | 36      | 20        | 18.91                    | 18.96                       | 18.92                     | 20.2                   |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 18.83  | 18.93 | 18.87  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 18.86  | 18.97 | 18.90  |                     |
| Channel         |        |    |    | 18650  | 18900 | 19150  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1855   | 1880  | 1905   |                     |
| 10              | QPSK   | 1  | 0  | 23.79  | 23.75 | 23.81  | 25.2                |
| 10              | QPSK   | 1  | 25 | 23.70  | 23.73 | 23.58  |                     |
| 10              | QPSK   | 1  | 49 | 23.68  | 23.77 | 23.68  |                     |
| 10              | QPSK   | 25 | 0  | 22.78  | 22.79 | 22.73  | 24.2                |
| 10              | QPSK   | 25 | 12 | 22.93  | 22.92 | 22.85  |                     |
| 10              | QPSK   | 25 | 25 | 22.80  | 22.94 | 22.78  |                     |
| 10              | QPSK   | 50 | 0  | 22.93  | 22.94 | 22.83  |                     |
| 10              | 16QAM  | 1  | 0  | 22.55  | 22.66 | 22.61  | 24.2                |
| 10              | 16QAM  | 1  | 25 | 22.69  | 22.68 | 22.74  |                     |
| 10              | 16QAM  | 1  | 49 | 22.58  | 22.64 | 22.60  |                     |
| 10              | 16QAM  | 25 | 0  | 21.75  | 21.82 | 21.84  | 23.2                |
| 10              | 16QAM  | 25 | 12 | 21.91  | 21.96 | 21.86  |                     |
| 10              | 16QAM  | 25 | 25 | 21.87  | 21.92 | 21.89  |                     |
| 10              | 16QAM  | 50 | 0  | 21.83  | 21.92 | 21.85  |                     |
| 10              | 64QAM  | 1  | 0  | 22.23  | 22.24 | 22.20  | 23.2                |
| 10              | 64QAM  | 1  | 25 | 22.12  | 22.21 | 22.09  |                     |
| 10              | 64QAM  | 1  | 49 | 22.03  | 22.16 | 21.96  |                     |
| 10              | 64QAM  | 25 | 0  | 20.71  | 20.83 | 20.76  | 22.2                |
| 10              | 64QAM  | 25 | 12 | 20.87  | 20.91 | 20.88  |                     |
| 10              | 64QAM  | 25 | 25 | 20.83  | 20.87 | 20.83  |                     |
| 10              | 64QAM  | 50 | 0  | 20.85  | 20.92 | 20.78  |                     |
| 10              | 256QAM | 1  | 0  | 18.64  | 18.73 | 18.76  | 20.2                |
| 10              | 256QAM | 1  | 25 | 18.74  | 18.82 | 18.67  |                     |
| 10              | 256QAM | 1  | 49 | 18.89  | 18.87 | 18.91  |                     |
| 10              | 256QAM | 25 | 0  | 18.87  | 18.92 | 18.85  | 20.2                |
| 10              | 256QAM | 25 | 12 | 18.96  | 19.01 | 18.96  |                     |
| 10              | 256QAM | 25 | 25 | 18.87  | 18.98 | 18.83  |                     |
| 10              | 256QAM | 50 | 0  | 18.94  | 18.99 | 18.98  |                     |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.79  | 23.70 | 23.78  | 25.2                |
| 5               | QPSK   | 1  | 12 | 23.65  | 23.69 | 23.65  |                     |
| 5               | QPSK   | 1  | 24 | 23.71  | 23.72 | 23.78  |                     |
| 5               | QPSK   | 12 | 0  | 22.77  | 22.77 | 22.71  | 24.2                |
| 5               | QPSK   | 12 | 7  | 22.98  | 22.95 | 22.90  |                     |
| 5               | QPSK   | 12 | 13 | 22.79  | 22.87 | 22.81  |                     |
| 5               | QPSK   | 25 | 0  | 22.86  | 22.94 | 22.85  |                     |
| 5               | 16QAM  | 1  | 0  | 22.56  | 22.68 | 22.70  | 24.2                |
| 5               | 16QAM  | 1  | 12 | 22.69  | 22.69 | 22.66  |                     |
| 5               | 16QAM  | 1  | 24 | 22.60  | 22.59 | 22.51  |                     |
| 5               | 16QAM  | 12 | 0  | 21.76  | 21.82 | 21.77  | 23.2                |
| 5               | 16QAM  | 12 | 7  | 21.86  | 22.00 | 21.85  |                     |
| 5               | 16QAM  | 12 | 13 | 21.87  | 21.98 | 21.84  |                     |
| 5               | 16QAM  | 25 | 0  | 21.83  | 21.94 | 21.89  |                     |
| 5               | 64QAM  | 1  | 0  | 22.31  | 22.23 | 22.21  | 23.2                |
| 5               | 64QAM  | 1  | 12 | 22.10  | 22.16 | 22.14  |                     |
| 5               | 64QAM  | 1  | 24 | 21.98  | 22.08 | 22.02  |                     |
| 5               | 64QAM  | 12 | 0  | 20.75  | 20.91 | 20.81  | 22.2                |
| 5               | 64QAM  | 12 | 7  | 20.93  | 20.84 | 20.87  |                     |
| 5               | 64QAM  | 12 | 13 | 20.91  | 20.92 | 20.77  |                     |
| 5               | 64QAM  | 25 | 0  | 20.78  | 20.84 | 20.83  |                     |
| 5               | 256QAM | 1  | 0  | 18.74  | 18.81 | 18.75  | 20.2                |
| 5               | 256QAM | 1  | 12 | 18.81  | 18.81 | 18.67  |                     |
| 5               | 256QAM | 1  | 24 | 18.92  | 18.94 | 18.89  |                     |
| 5               | 256QAM | 12 | 0  | 18.80  | 18.88 | 18.80  | 20.2                |
| 5               | 256QAM | 12 | 7  | 18.95  | 18.93 | 18.92  |                     |
| 5               | 256QAM | 12 | 13 | 18.91  | 18.89 | 18.85  |                     |
| 5               | 256QAM | 25 | 0  | 18.93  | 18.99 | 18.96  |                     |



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| Channel         |        |    |    | 18615  | 18900 | 19185  | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|-------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.76  | 23.74 | 23.85  | 25.2                   |
| 3               | QPSK   | 1  | 8  | 23.70  | 23.73 | 23.61  |                        |
| 3               | QPSK   | 1  | 14 | 23.66  | 23.72 | 23.76  |                        |
| 3               | QPSK   | 8  | 0  | 22.81  | 22.79 | 22.76  | 24.2                   |
| 3               | QPSK   | 8  | 4  | 22.92  | 22.94 | 22.90  |                        |
| 3               | QPSK   | 8  | 7  | 22.86  | 22.89 | 22.84  |                        |
| 3               | QPSK   | 15 | 0  | 22.89  | 22.90 | 22.83  |                        |
| 3               | 16QAM  | 1  | 0  | 22.56  | 22.63 | 22.69  | 24.2                   |
| 3               | 16QAM  | 1  | 8  | 22.67  | 22.67 | 22.67  |                        |
| 3               | 16QAM  | 1  | 14 | 22.63  | 22.61 | 22.56  |                        |
| 3               | 16QAM  | 8  | 0  | 21.75  | 21.82 | 21.82  | 23.2                   |
| 3               | 16QAM  | 8  | 4  | 21.88  | 21.96 | 21.86  |                        |
| 3               | 16QAM  | 8  | 7  | 21.90  | 21.99 | 21.90  |                        |
| 3               | 16QAM  | 15 | 0  | 21.83  | 21.88 | 21.80  |                        |
| 3               | 64QAM  | 1  | 0  | 22.28  | 22.23 | 22.22  | 23.2                   |
| 3               | 64QAM  | 1  | 8  | 22.11  | 22.20 | 22.09  |                        |
| 3               | 64QAM  | 1  | 14 | 22.00  | 22.11 | 21.96  |                        |
| 3               | 64QAM  | 8  | 0  | 20.72  | 20.81 | 20.81  | 22.2                   |
| 3               | 64QAM  | 8  | 4  | 20.84  | 20.92 | 20.86  |                        |
| 3               | 64QAM  | 8  | 7  | 20.81  | 20.88 | 20.86  |                        |
| 3               | 64QAM  | 15 | 0  | 20.76  | 20.94 | 20.82  |                        |
| 3               | 256QAM | 1  | 0  | 18.71  | 18.73 | 18.75  | 20.2                   |
| 3               | 256QAM | 1  | 8  | 18.83  | 18.82 | 18.70  |                        |
| 3               | 256QAM | 1  | 14 | 18.92  | 18.96 | 18.92  |                        |
| 3               | 256QAM | 8  | 0  | 18.80  | 18.93 | 18.88  | 20.2                   |
| 3               | 256QAM | 8  | 4  | 18.93  | 18.92 | 18.99  |                        |
| 3               | 256QAM | 8  | 7  | 18.84  | 18.96 | 18.92  |                        |
| 3               | 256QAM | 15 | 0  | 18.93  | 19.01 | 18.94  |                        |
| Channel         |        |    |    | 18607  | 18900 | 19193  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 23.76  | 23.79 | 23.77  | 25.2                   |
| 1.4             | QPSK   | 1  | 3  | 23.67  | 23.71 | 23.65  |                        |
| 1.4             | QPSK   | 1  | 5  | 23.69  | 23.78 | 23.74  |                        |
| 1.4             | QPSK   | 3  | 0  | 23.56  | 23.63 | 23.62  |                        |
| 1.4             | QPSK   | 3  | 1  | 23.48  | 23.59 | 23.51  |                        |
| 1.4             | QPSK   | 3  | 3  | 23.59  | 23.66 | 23.64  |                        |
| 1.4             | QPSK   | 6  | 0  | 22.86  | 22.83 | 22.73  | 24.2                   |
| 1.4             | 16QAM  | 1  | 0  | 22.88  | 23.00 | 22.86  | 24.2                   |
| 1.4             | 16QAM  | 1  | 3  | 22.84  | 22.90 | 22.77  |                        |
| 1.4             | 16QAM  | 1  | 5  | 22.90  | 22.91 | 22.87  |                        |
| 1.4             | 16QAM  | 3  | 0  | 22.58  | 22.61 | 22.61  |                        |
| 1.4             | 16QAM  | 3  | 1  | 22.65  | 22.73 | 22.69  |                        |
| 1.4             | 16QAM  | 3  | 3  | 22.64  | 22.59 | 22.59  | 23.2                   |
| 1.4             | 16QAM  | 6  | 0  | 21.75  | 21.88 | 21.78  |                        |
| 1.4             | 64QAM  | 1  | 0  | 21.91  | 21.94 | 21.87  | 23.2                   |
| 1.4             | 64QAM  | 1  | 3  | 21.92  | 21.94 | 21.92  |                        |
| 1.4             | 64QAM  | 1  | 5  | 21.84  | 21.89 | 21.90  |                        |
| 1.4             | 64QAM  | 3  | 0  | 22.29  | 22.22 | 22.13  |                        |
| 1.4             | 64QAM  | 3  | 1  | 22.16  | 22.21 | 22.18  |                        |
| 1.4             | 64QAM  | 3  | 3  | 22.03  | 22.12 | 22.06  | 22.2                   |
| 1.4             | 64QAM  | 6  | 0  | 20.77  | 20.84 | 20.79  |                        |
| 1.4             | 256QAM | 1  | 0  | 18.66  | 18.77 | 18.80  | 20.2                   |
| 1.4             | 256QAM | 1  | 3  | 18.81  | 18.85 | 18.73  |                        |
| 1.4             | 256QAM | 1  | 5  | 18.93  | 18.87 | 18.92  |                        |
| 1.4             | 256QAM | 3  | 0  | 18.81  | 18.92 | 18.88  |                        |
| 1.4             | 256QAM | 3  | 1  | 18.97  | 18.96 | 18.94  |                        |
| 1.4             | 256QAM | 3  | 3  | 18.91  | 18.90 | 18.83  | 20.2                   |
| 1.4             | 256QAM | 6  | 0  | 18.89  | 18.95 | 18.99  |                        |



&lt;LTE Band 4\_Ant 1\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 20050                    | 20175                       | 20300                     |                        |
| Frequency (MHz) |            |         |           | 1720                     | 1732.5                      | 1745                      |                        |
| 20              | QPSK       | 1       | 0         | 23.90                    | 23.88                       | 24.17                     |                        |
| 20              | QPSK       | 1       | 49        | 23.80                    | 23.92                       | 24.03                     | 25.2                   |
| 20              | QPSK       | 1       | 99        | 23.95                    | 24.06                       | 24.14                     |                        |
| 20              | QPSK       | 50      | 0         | 22.81                    | 22.99                       | 23.05                     |                        |
| 20              | QPSK       | 50      | 24        | 22.96                    | 23.01                       | 23.05                     | 24.2                   |
| 20              | QPSK       | 50      | 50        | 22.91                    | 23.05                       | 23.16                     |                        |
| 20              | QPSK       | 100     | 0         | 22.91                    | 23.03                       | 23.17                     |                        |
| 20              | 16QAM      | 1       | 0         | 23.01                    | 23.19                       | 23.31                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 23.17                    | 23.35                       | 23.38                     |                        |
| 20              | 16QAM      | 1       | 99        | 23.16                    | 23.39                       | 23.51                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.88                    | 22.01                       | 22.04                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 21.95                    | 22.01                       | 22.10                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.01                    | 22.09                       | 22.17                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.91                    | 22.01                       | 22.13                     | 23.2                   |
| 20              | 64QAM      | 1       | 0         | 22.01                    | 22.17                       | 22.19                     |                        |
| 20              | 64QAM      | 1       | 49        | 22.07                    | 22.25                       | 22.21                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.15                    | 22.25                       | 22.38                     | 22.2                   |
| 20              | 64QAM      | 50      | 0         | 20.87                    | 21.00                       | 21.07                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.96                    | 21.60                       | 21.09                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.94                    | 21.10                       | 21.16                     | 20.2                   |
| 20              | 64QAM      | 100     | 0         | 20.97                    | 21.02                       | 21.14                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.86                    | 18.95                       | 19.09                     |                        |
| 20              | 256QAM     | 1       | 49        | 18.95                    | 19.07                       | 19.11                     | 20.2                   |
| 20              | 256QAM     | 1       | 99        | 19.11                    | 19.20                       | 19.28                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.85                    | 18.99                       | 19.02                     |                        |
| 20              | 256QAM     | 50      | 24        | 18.97                    | 18.99                       | 19.11                     | 20.2                   |
| 20              | 256QAM     | 50      | 50        | 19.01                    | 19.10                       | 19.15                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.89                    | 19.02                       | 19.15                     |                        |
| Channel         |            |         |           | 20025                    | 20175                       | 20325                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1717.5                   | 1732.5                      | 1747.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.75                    | 23.68                       | 24.03                     |                        |
| 15              | QPSK       | 1       | 37        | 23.60                    | 23.78                       | 23.89                     | 25.2                   |
| 15              | QPSK       | 1       | 74        | 23.84                    | 23.92                       | 23.99                     |                        |
| 15              | QPSK       | 36      | 0         | 22.71                    | 22.80                       | 22.90                     |                        |
| 15              | QPSK       | 36      | 20        | 22.79                    | 22.83                       | 22.85                     | 24.2                   |
| 15              | QPSK       | 36      | 39        | 22.71                    | 22.87                       | 23.04                     |                        |
| 15              | QPSK       | 75      | 0         | 22.77                    | 22.85                       | 22.97                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.89                    | 23.01                       | 23.18                     | 24.2                   |
| 15              | 16QAM      | 1       | 37        | 23.04                    | 23.16                       | 23.19                     |                        |
| 15              | 16QAM      | 1       | 74        | 23.01                    | 23.22                       | 23.35                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.75                    | 21.91                       | 21.92                     | 23.2                   |
| 15              | 16QAM      | 36      | 20        | 21.85                    | 21.84                       | 21.95                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.89                    | 21.96                       | 22.00                     |                        |
| 15              | 16QAM      | 75      | 0         | 21.71                    | 21.82                       | 22.01                     | 23.2                   |
| 15              | 64QAM      | 1       | 0         | 21.89                    | 22.05                       | 22.07                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.89                    | 22.11                       | 22.01                     |                        |
| 15              | 64QAM      | 1       | 74        | 22.03                    | 22.12                       | 22.20                     | 22.2                   |
| 15              | 64QAM      | 36      | 0         | 20.72                    | 20.89                       | 20.92                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.84                    | 21.02                       | 20.93                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.83                    | 20.98                       | 20.97                     | 20.2                   |
| 15              | 64QAM      | 75      | 0         | 20.80                    | 20.83                       | 21.00                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.75                    | 18.81                       | 18.99                     |                        |
| 15              | 256QAM     | 1       | 37        | 18.78                    | 18.97                       | 19.01                     | 20.2                   |
| 15              | 256QAM     | 1       | 74        | 18.91                    | 19.01                       | 19.17                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.75                    | 18.83                       | 18.82                     |                        |
| 15              | 256QAM     | 36      | 20        | 18.85                    | 18.84                       | 18.97                     | 20.2                   |



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|                 |        |    |    |        |        |        |                     |
|-----------------|--------|----|----|--------|--------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 18.89  | 18.97  | 18.98  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 18.71  | 18.82  | 18.96  |                     |
| Channel         |        |    |    | 20000  | 20175  | 20350  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1715   | 1732.5 | 1750   |                     |
| 10              | QPSK   | 1  | 0  | 23.75  | 23.73  | 24.07  | 25.2                |
| 10              | QPSK   | 1  | 25 | 23.61  | 23.75  | 23.88  |                     |
| 10              | QPSK   | 1  | 49 | 23.82  | 23.93  | 23.97  |                     |
| 10              | QPSK   | 25 | 0  | 22.63  | 22.81  | 22.89  | 24.2                |
| 10              | QPSK   | 25 | 12 | 22.80  | 22.86  | 22.94  |                     |
| 10              | QPSK   | 25 | 25 | 22.77  | 22.87  | 22.98  |                     |
| 10              | QPSK   | 50 | 0  | 22.79  | 22.91  | 22.98  |                     |
| 10              | 16QAM  | 1  | 0  | 22.87  | 22.99  | 23.19  | 24.2                |
| 10              | 16QAM  | 1  | 25 | 23.03  | 23.21  | 23.25  |                     |
| 10              | 16QAM  | 1  | 49 | 22.98  | 23.24  | 23.38  |                     |
| 10              | 16QAM  | 25 | 0  | 21.77  | 21.86  | 21.87  | 23.2                |
| 10              | 16QAM  | 25 | 12 | 21.76  | 21.81  | 21.96  |                     |
| 10              | 16QAM  | 25 | 25 | 21.82  | 21.98  | 22.02  |                     |
| 10              | 16QAM  | 50 | 0  | 21.72  | 21.84  | 21.97  |                     |
| 10              | 64QAM  | 1  | 0  | 21.83  | 21.98  | 22.02  | 23.2                |
| 10              | 64QAM  | 1  | 25 | 21.88  | 22.08  | 22.09  |                     |
| 10              | 64QAM  | 1  | 49 | 21.99  | 22.06  | 22.21  |                     |
| 10              | 64QAM  | 25 | 0  | 20.72  | 20.85  | 20.90  | 22.2                |
| 10              | 64QAM  | 25 | 12 | 20.85  | 21.48  | 20.99  |                     |
| 10              | 64QAM  | 25 | 25 | 20.78  | 20.92  | 21.04  |                     |
| 10              | 64QAM  | 50 | 0  | 20.79  | 20.87  | 21.00  |                     |
| 10              | 256QAM | 1  | 0  | 18.75  | 18.76  | 18.94  | 20.2                |
| 10              | 256QAM | 1  | 25 | 18.76  | 18.90  | 18.91  |                     |
| 10              | 256QAM | 1  | 49 | 18.99  | 19.02  | 19.10  |                     |
| 10              | 256QAM | 25 | 0  | 18.65  | 18.87  | 18.85  | 20.2                |
| 10              | 256QAM | 25 | 12 | 18.81  | 18.86  | 19.01  |                     |
| 10              | 256QAM | 25 | 25 | 18.83  | 18.91  | 19.03  |                     |
| 10              | 256QAM | 50 | 0  | 18.73  | 18.86  | 18.97  |                     |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.71  | 23.77  | 24.04  | 25.2                |
| 5               | QPSK   | 1  | 12 | 23.63  | 23.79  | 23.91  |                     |
| 5               | QPSK   | 1  | 24 | 23.78  | 23.91  | 23.95  |                     |
| 5               | QPSK   | 12 | 0  | 22.68  | 22.89  | 22.89  | 24.2                |
| 5               | QPSK   | 12 | 7  | 22.76  | 22.86  | 22.90  |                     |
| 5               | QPSK   | 12 | 13 | 22.72  | 22.89  | 22.96  |                     |
| 5               | QPSK   | 25 | 0  | 22.73  | 22.88  | 23.03  |                     |
| 5               | 16QAM  | 1  | 0  | 22.82  | 23.05  | 23.13  | 24.2                |
| 5               | 16QAM  | 1  | 12 | 23.00  | 23.24  | 23.28  |                     |
| 5               | 16QAM  | 1  | 24 | 23.03  | 23.29  | 23.40  |                     |
| 5               | 16QAM  | 12 | 0  | 21.73  | 21.86  | 21.94  | 23.2                |
| 5               | 16QAM  | 12 | 7  | 21.84  | 21.88  | 21.90  |                     |
| 5               | 16QAM  | 12 | 13 | 21.90  | 21.90  | 21.97  |                     |
| 5               | 16QAM  | 25 | 0  | 21.71  | 21.84  | 21.96  |                     |
| 5               | 64QAM  | 1  | 0  | 21.86  | 22.01  | 22.03  | 23.2                |
| 5               | 64QAM  | 1  | 12 | 21.94  | 22.11  | 22.03  |                     |
| 5               | 64QAM  | 1  | 24 | 22.03  | 22.08  | 22.20  |                     |
| 5               | 64QAM  | 12 | 0  | 20.67  | 20.82  | 20.88  | 22.2                |
| 5               | 64QAM  | 12 | 7  | 20.78  | 21.25  | 20.98  |                     |
| 5               | 64QAM  | 12 | 13 | 20.82  | 21.00  | 21.06  |                     |
| 5               | 64QAM  | 25 | 0  | 20.87  | 20.86  | 21.02  |                     |
| 5               | 256QAM | 1  | 0  | 18.69  | 18.80  | 18.94  | 20.2                |
| 5               | 256QAM | 1  | 12 | 18.78  | 18.94  | 18.95  |                     |
| 5               | 256QAM | 1  | 24 | 18.92  | 19.03  | 19.12  |                     |
| 5               | 256QAM | 12 | 0  | 18.65  | 18.79  | 18.84  | 20.2                |
| 5               | 256QAM | 12 | 7  | 18.78  | 18.82  | 18.96  |                     |
| 5               | 256QAM | 12 | 13 | 18.90  | 18.97  | 18.98  |                     |
| 5               | 256QAM | 25 | 0  | 18.78  | 18.82  | 18.95  |                     |



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| Channel         |        |    |    | 19965  | 20175  | 20385  | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.71  | 23.68  | 24.04  | 25.2                   |
| 3               | QPSK   | 1  | 8  | 23.61  | 23.73  | 23.92  |                        |
| 3               | QPSK   | 1  | 14 | 23.82  | 23.95  | 23.94  |                        |
| 3               | QPSK   | 8  | 0  | 22.69  | 22.88  | 22.92  | 24.2                   |
| 3               | QPSK   | 8  | 4  | 22.77  | 22.86  | 22.91  |                        |
| 3               | QPSK   | 8  | 7  | 22.81  | 22.85  | 22.96  |                        |
| 3               | QPSK   | 15 | 0  | 22.74  | 22.89  | 22.97  |                        |
| 3               | 16QAM  | 1  | 0  | 22.83  | 22.99  | 23.16  | 24.2                   |
| 3               | 16QAM  | 1  | 8  | 23.04  | 23.16  | 23.27  |                        |
| 3               | 16QAM  | 1  | 14 | 23.04  | 23.29  | 23.32  |                        |
| 3               | 16QAM  | 8  | 0  | 21.68  | 21.91  | 21.85  | 23.2                   |
| 3               | 16QAM  | 8  | 4  | 21.79  | 21.87  | 21.93  |                        |
| 3               | 16QAM  | 8  | 7  | 21.83  | 21.96  | 22.07  |                        |
| 3               | 16QAM  | 15 | 0  | 21.77  | 21.85  | 21.98  |                        |
| 3               | 64QAM  | 1  | 0  | 21.84  | 22.05  | 22.04  | 23.2                   |
| 3               | 64QAM  | 1  | 8  | 21.92  | 22.14  | 22.06  |                        |
| 3               | 64QAM  | 1  | 14 | 21.96  | 22.08  | 22.28  |                        |
| 3               | 64QAM  | 8  | 0  | 20.73  | 20.88  | 20.95  | 22.2                   |
| 3               | 64QAM  | 8  | 4  | 20.81  | 21.13  | 20.94  |                        |
| 3               | 64QAM  | 8  | 7  | 20.82  | 21.00  | 21.01  |                        |
| 3               | 64QAM  | 15 | 0  | 20.84  | 20.82  | 20.95  |                        |
| 3               | 256QAM | 1  | 0  | 18.73  | 18.82  | 18.93  | 20.2                   |
| 3               | 256QAM | 1  | 8  | 18.76  | 18.94  | 18.98  |                        |
| 3               | 256QAM | 1  | 14 | 18.99  | 19.04  | 19.08  |                        |
| 3               | 256QAM | 8  | 0  | 18.73  | 18.80  | 18.84  | 20.2                   |
| 3               | 256QAM | 8  | 4  | 18.82  | 18.80  | 19.00  |                        |
| 3               | 256QAM | 8  | 7  | 18.84  | 18.92  | 19.02  |                        |
| 3               | 256QAM | 15 | 0  | 18.79  | 18.84  | 19.02  |                        |
| Channel         |        |    |    | 19957  | 20175  | 20393  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 23.72  | 23.73  | 24.05  | 25.2                   |
| 1.4             | QPSK   | 1  | 3  | 23.61  | 23.77  | 23.92  |                        |
| 1.4             | QPSK   | 1  | 5  | 23.77  | 23.94  | 23.94  |                        |
| 1.4             | QPSK   | 3  | 0  | 23.52  | 23.54  | 23.87  |                        |
| 1.4             | QPSK   | 3  | 1  | 23.51  | 23.62  | 23.72  |                        |
| 1.4             | QPSK   | 3  | 3  | 23.57  | 23.76  | 23.75  |                        |
| 1.4             | QPSK   | 6  | 0  | 22.68  | 22.82  | 22.94  | 24.2                   |
| 1.4             | 16QAM  | 1  | 0  | 22.79  | 22.82  | 22.92  | 24.2                   |
| 1.4             | 16QAM  | 1  | 3  | 22.72  | 22.91  | 23.02  |                        |
| 1.4             | 16QAM  | 1  | 5  | 22.79  | 22.90  | 23.07  |                        |
| 1.4             | 16QAM  | 3  | 0  | 22.86  | 23.09  | 23.14  |                        |
| 1.4             | 16QAM  | 3  | 1  | 22.97  | 23.16  | 23.19  |                        |
| 1.4             | 16QAM  | 3  | 3  | 22.98  | 23.19  | 23.40  |                        |
| 1.4             | 16QAM  | 6  | 0  | 21.69  | 21.91  | 21.89  | 23.2                   |
| 1.4             | 64QAM  | 1  | 0  | 21.81  | 21.88  | 21.99  | 23.2                   |
| 1.4             | 64QAM  | 1  | 3  | 21.87  | 21.95  | 22.06  |                        |
| 1.4             | 64QAM  | 1  | 5  | 21.78  | 21.86  | 21.96  |                        |
| 1.4             | 64QAM  | 3  | 0  | 21.82  | 22.06  | 22.09  |                        |
| 1.4             | 64QAM  | 3  | 1  | 21.93  | 22.07  | 22.10  |                        |
| 1.4             | 64QAM  | 3  | 3  | 21.95  | 22.05  | 22.25  |                        |
| 1.4             | 64QAM  | 6  | 0  | 20.70  | 20.90  | 20.95  | 22.2                   |
| 1.4             | 256QAM | 1  | 0  | 18.66  | 18.81  | 18.98  | 20.2                   |
| 1.4             | 256QAM | 1  | 3  | 18.78  | 18.95  | 18.99  |                        |
| 1.4             | 256QAM | 1  | 5  | 18.94  | 19.08  | 19.13  |                        |
| 1.4             | 256QAM | 3  | 0  | 18.66  | 18.83  | 18.92  |                        |
| 1.4             | 256QAM | 3  | 1  | 18.82  | 18.84  | 18.94  |                        |
| 1.4             | 256QAM | 3  | 3  | 18.84  | 18.94  | 19.00  |                        |
| 1.4             | 256QAM | 6  | 0  | 18.69  | 18.92  | 19.02  | 20.2                   |



&lt;LTE Band 4\_Ant 5\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 20050                    | 20175                       | 20300                     |                        |
| Frequency (MHz) |            |         |           | 1720                     | 1732.5                      | 1745                      |                        |
| 20              | QPSK       | 1       | 0         | 23.88                    | 24.23                       | 24.21                     |                        |
| 20              | QPSK       | 1       | 49        | 24.10                    | 24.10                       | 24.04                     | 25.2                   |
| 20              | QPSK       | 1       | 99        | 24.17                    | 24.20                       | 24.18                     |                        |
| 20              | QPSK       | 50      | 0         | 23.00                    | 23.07                       | 23.07                     |                        |
| 20              | QPSK       | 50      | 24        | 23.11                    | 23.11                       | 23.06                     | 24.2                   |
| 20              | QPSK       | 50      | 50        | 23.13                    | 23.14                       | 23.11                     |                        |
| 20              | QPSK       | 100     | 0         | 23.15                    | 23.17                       | 23.10                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.95                    | 23.03                       | 23.01                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 23.13                    | 23.13                       | 23.11                     |                        |
| 20              | 16QAM      | 1       | 99        | 23.09                    | 23.18                       | 23.16                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.99                    | 22.08                       | 22.01                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 22.00                    | 22.09                       | 22.00                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.17                    | 22.20                       | 22.17                     |                        |
| 20              | 16QAM      | 100     | 0         | 22.14                    | 22.18                       | 22.08                     | 23.2                   |
| 20              | 64QAM      | 1       | 0         | 22.56                    | 22.61                       | 22.59                     |                        |
| 20              | 64QAM      | 1       | 49        | 22.64                    | 22.68                       | 22.61                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.73                    | 22.83                       | 22.83                     | 22.2                   |
| 20              | 64QAM      | 50      | 0         | 21.01                    | 21.07                       | 21.03                     |                        |
| 20              | 64QAM      | 50      | 24        | 21.01                    | 21.11                       | 21.11                     |                        |
| 20              | 64QAM      | 50      | 50        | 21.11                    | 21.21                       | 21.17                     | 20.2                   |
| 20              | 64QAM      | 100     | 0         | 21.08                    | 21.16                       | 21.08                     |                        |
| 20              | 256QAM     | 1       | 0         | 19.15                    | 19.21                       | 19.11                     |                        |
| 20              | 256QAM     | 1       | 49        | 19.29                    | 19.33                       | 19.25                     | 20.2                   |
| 20              | 256QAM     | 1       | 99        | 19.46                    | 19.51                       | 19.43                     |                        |
| 20              | 256QAM     | 50      | 0         | 19.15                    | 19.16                       | 19.12                     |                        |
| 20              | 256QAM     | 50      | 24        | 19.17                    | 19.26                       | 19.18                     | 20.2                   |
| 20              | 256QAM     | 50      | 50        | 19.34                    | 19.38                       | 19.38                     |                        |
| 20              | 256QAM     | 100     | 0         | 19.14                    | 19.19                       | 19.14                     |                        |
| Channel         |            |         |           | 20025                    | 20175                       | 20325                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1717.5                   | 1732.5                      | 1747.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.68                    | 24.13                       | 24.08                     |                        |
| 15              | QPSK       | 1       | 37        | 24.00                    | 23.91                       | 23.90                     | 25.2                   |
| 15              | QPSK       | 1       | 74        | 23.98                    | 24.01                       | 23.98                     |                        |
| 15              | QPSK       | 36      | 0         | 22.83                    | 22.87                       | 22.92                     | 24.2                   |
| 15              | QPSK       | 36      | 20        | 22.96                    | 22.98                       | 22.93                     |                        |
| 15              | QPSK       | 36      | 39        | 22.96                    | 22.98                       | 22.93                     |                        |
| 15              | QPSK       | 75      | 0         | 23.01                    | 23.06                       | 22.97                     | 24.2                   |
| 15              | 16QAM      | 1       | 0         | 22.80                    | 22.86                       | 22.81                     |                        |
| 15              | 16QAM      | 1       | 37        | 22.97                    | 22.94                       | 22.94                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.93                    | 23.01                       | 23.00                     | 23.2                   |
| 15              | 16QAM      | 36      | 0         | 21.79                    | 21.96                       | 21.87                     |                        |
| 15              | 16QAM      | 36      | 20        | 21.86                    | 21.96                       | 21.83                     |                        |
| 15              | 16QAM      | 36      | 39        | 22.03                    | 22.09                       | 22.05                     | 23.2                   |
| 15              | 16QAM      | 75      | 0         | 22.03                    | 22.01                       | 21.95                     |                        |
| 15              | 64QAM      | 1       | 0         | 22.36                    | 22.50                       | 22.49                     |                        |
| 15              | 64QAM      | 1       | 37        | 22.45                    | 22.57                       | 22.51                     | 22.2                   |
| 15              | 64QAM      | 1       | 74        | 22.60                    | 22.68                       | 22.70                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.84                    | 20.96                       | 20.90                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.85                    | 20.93                       | 20.92                     | 20.2                   |
| 15              | 64QAM      | 36      | 39        | 20.93                    | 21.02                       | 20.99                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.92                    | 21.04                       | 20.94                     |                        |
| 15              | 256QAM     | 1       | 0         | 19.04                    | 19.05                       | 18.93                     | 20.2                   |
| 15              | 256QAM     | 1       | 37        | 19.11                    | 19.20                       | 19.10                     |                        |
| 15              | 256QAM     | 1       | 74        | 19.26                    | 19.33                       | 19.28                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.95                    | 18.99                       | 18.94                     | 20.2                   |
| 15              | 256QAM     | 36      | 20        | 19.01                    | 19.08                       | 18.99                     |                        |



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Report No. : FA411111B

|                 |        |    |    |        |        |        |                     |
|-----------------|--------|----|----|--------|--------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 19.19  | 19.23  | 19.23  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 18.97  | 19.07  | 19.00  |                     |
| Channel         |        |    |    | 20000  | 20175  | 20350  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1715   | 1732.5 | 1750   |                     |
| 10              | QPSK   | 1  | 0  | 23.75  | 24.04  | 24.05  | 25.2                |
| 10              | QPSK   | 1  | 25 | 24.00  | 23.99  | 23.88  |                     |
| 10              | QPSK   | 1  | 49 | 24.04  | 24.07  | 24.07  |                     |
| 10              | QPSK   | 25 | 0  | 22.81  | 22.87  | 22.91  | 24.2                |
| 10              | QPSK   | 25 | 12 | 22.99  | 22.93  | 22.90  |                     |
| 10              | QPSK   | 25 | 25 | 22.95  | 23.04  | 23.01  |                     |
| 10              | QPSK   | 50 | 0  | 23.03  | 23.01  | 22.99  |                     |
| 10              | 16QAM  | 1  | 0  | 22.79  | 22.91  | 22.83  | 24.2                |
| 10              | 16QAM  | 1  | 25 | 22.93  | 22.97  | 22.93  |                     |
| 10              | 16QAM  | 1  | 49 | 22.89  | 23.00  | 22.96  |                     |
| 10              | 16QAM  | 25 | 0  | 21.80  | 21.98  | 21.91  | 23.2                |
| 10              | 16QAM  | 25 | 12 | 21.88  | 21.95  | 21.85  |                     |
| 10              | 16QAM  | 25 | 25 | 22.07  | 22.06  | 22.07  |                     |
| 10              | 16QAM  | 50 | 0  | 22.02  | 22.01  | 21.95  |                     |
| 10              | 64QAM  | 1  | 0  | 22.40  | 22.47  | 22.39  | 23.2                |
| 10              | 64QAM  | 1  | 25 | 22.54  | 22.56  | 22.51  |                     |
| 10              | 64QAM  | 1  | 49 | 22.60  | 22.65  | 22.63  |                     |
| 10              | 64QAM  | 25 | 0  | 20.83  | 20.91  | 20.85  | 22.2                |
| 10              | 64QAM  | 25 | 12 | 20.85  | 20.93  | 20.93  |                     |
| 10              | 64QAM  | 25 | 25 | 20.98  | 21.03  | 21.01  |                     |
| 10              | 64QAM  | 50 | 0  | 20.90  | 21.03  | 20.90  |                     |
| 10              | 256QAM | 1  | 0  | 18.98  | 19.04  | 18.95  | 20.2                |
| 10              | 256QAM | 1  | 25 | 19.19  | 19.18  | 19.10  |                     |
| 10              | 256QAM | 1  | 49 | 19.27  | 19.34  | 19.32  |                     |
| 10              | 256QAM | 25 | 0  | 19.03  | 18.96  | 18.92  | 20.2                |
| 10              | 256QAM | 25 | 12 | 19.06  | 19.10  | 19.04  |                     |
| 10              | 256QAM | 25 | 25 | 19.15  | 19.20  | 19.19  |                     |
| 10              | 256QAM | 50 | 0  | 18.95  | 19.07  | 18.99  |                     |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.76  | 24.13  | 24.04  | 25.2                |
| 5               | QPSK   | 1  | 12 | 24.00  | 23.91  | 23.91  |                     |
| 5               | QPSK   | 1  | 24 | 24.02  | 24.07  | 23.98  |                     |
| 5               | QPSK   | 12 | 0  | 22.89  | 22.93  | 22.93  | 24.2                |
| 5               | QPSK   | 12 | 7  | 22.97  | 22.99  | 22.96  |                     |
| 5               | QPSK   | 12 | 13 | 22.93  | 22.96  | 22.99  |                     |
| 5               | QPSK   | 25 | 0  | 23.05  | 23.03  | 22.94  |                     |
| 5               | 16QAM  | 1  | 0  | 22.85  | 22.84  | 22.89  | 24.2                |
| 5               | 16QAM  | 1  | 12 | 22.93  | 23.03  | 22.94  |                     |
| 5               | 16QAM  | 1  | 24 | 22.91  | 23.01  | 23.04  |                     |
| 5               | 16QAM  | 12 | 0  | 21.81  | 21.90  | 21.84  | 23.2                |
| 5               | 16QAM  | 12 | 7  | 21.87  | 21.92  | 21.84  |                     |
| 5               | 16QAM  | 12 | 13 | 22.00  | 22.01  | 21.99  |                     |
| 5               | 16QAM  | 25 | 0  | 21.96  | 22.04  | 21.89  |                     |
| 5               | 64QAM  | 1  | 0  | 22.36  | 22.45  | 22.41  | 23.2                |
| 5               | 64QAM  | 1  | 12 | 22.53  | 22.53  | 22.45  |                     |
| 5               | 64QAM  | 1  | 24 | 22.54  | 22.65  | 22.71  |                     |
| 5               | 64QAM  | 12 | 0  | 20.91  | 20.96  | 20.86  | 22.2                |
| 5               | 64QAM  | 12 | 7  | 20.86  | 20.96  | 20.92  |                     |
| 5               | 64QAM  | 12 | 13 | 21.01  | 21.06  | 21.01  |                     |
| 5               | 64QAM  | 25 | 0  | 20.91  | 20.99  | 20.98  |                     |
| 5               | 256QAM | 1  | 0  | 18.97  | 19.10  | 18.98  | 20.2                |
| 5               | 256QAM | 1  | 12 | 19.17  | 19.19  | 19.15  |                     |
| 5               | 256QAM | 1  | 24 | 19.33  | 19.32  | 19.23  |                     |
| 5               | 256QAM | 12 | 0  | 19.05  | 19.04  | 18.93  | 20.2                |
| 5               | 256QAM | 12 | 7  | 19.07  | 19.10  | 19.08  |                     |
| 5               | 256QAM | 12 | 13 | 19.15  | 19.19  | 19.19  |                     |
| 5               | 256QAM | 25 | 0  | 18.99  | 19.05  | 19.01  |                     |



# FCC SAR TEST REPORT

Report No. : FA411111B

| Channel         |        |    |    | 19965  | 20175  | 20385  | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.71  | 24.04  | 24.10  | 25.2                   |
| 3               | QPSK   | 1  | 8  | 23.91  | 24.00  | 23.88  |                        |
| 3               | QPSK   | 1  | 14 | 24.01  | 24.02  | 24.04  |                        |
| 3               | QPSK   | 8  | 0  | 22.90  | 22.88  | 22.96  | 24.2                   |
| 3               | QPSK   | 8  | 4  | 22.92  | 22.96  | 22.96  |                        |
| 3               | QPSK   | 8  | 7  | 23.03  | 23.04  | 22.93  |                        |
| 3               | QPSK   | 15 | 0  | 22.96  | 23.05  | 22.98  |                        |
| 3               | 16QAM  | 1  | 0  | 22.80  | 22.85  | 22.82  | 24.2                   |
| 3               | 16QAM  | 1  | 8  | 23.02  | 22.95  | 23.01  |                        |
| 3               | 16QAM  | 1  | 14 | 22.99  | 23.07  | 23.03  |                        |
| 3               | 16QAM  | 8  | 0  | 21.80  | 21.95  | 21.84  | 23.2                   |
| 3               | 16QAM  | 8  | 4  | 21.88  | 21.90  | 21.81  |                        |
| 3               | 16QAM  | 8  | 7  | 22.03  | 22.00  | 22.00  |                        |
| 3               | 16QAM  | 15 | 0  | 22.02  | 22.02  | 21.92  |                        |
| 3               | 64QAM  | 1  | 0  | 22.40  | 22.46  | 22.44  | 23.2                   |
| 3               | 64QAM  | 1  | 8  | 22.46  | 22.54  | 22.48  |                        |
| 3               | 64QAM  | 1  | 14 | 22.55  | 22.68  | 22.71  |                        |
| 3               | 64QAM  | 8  | 0  | 20.85  | 20.91  | 20.89  | 22.2                   |
| 3               | 64QAM  | 8  | 4  | 20.91  | 20.93  | 20.95  |                        |
| 3               | 64QAM  | 8  | 7  | 21.01  | 21.10  | 20.97  |                        |
| 3               | 64QAM  | 15 | 0  | 20.92  | 20.97  | 20.90  |                        |
| 3               | 256QAM | 1  | 0  | 19.05  | 19.10  | 18.98  | 20.2                   |
| 3               | 256QAM | 1  | 8  | 19.11  | 19.23  | 19.15  |                        |
| 3               | 256QAM | 1  | 14 | 19.31  | 19.41  | 19.26  |                        |
| 3               | 256QAM | 8  | 0  | 19.01  | 18.98  | 19.00  | 20.2                   |
| 3               | 256QAM | 8  | 4  | 19.06  | 19.13  | 18.99  |                        |
| 3               | 256QAM | 8  | 7  | 19.15  | 19.22  | 19.26  |                        |
| 3               | 256QAM | 15 | 0  | 18.97  | 19.07  | 19.03  |                        |
| Channel         |        |    |    | 19957  | 20175  | 20393  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 23.77  | 24.06  | 24.04  | 25.2                   |
| 1.4             | QPSK   | 1  | 3  | 23.90  | 23.92  | 23.86  |                        |
| 1.4             | QPSK   | 1  | 5  | 24.04  | 24.06  | 24.06  |                        |
| 1.4             | QPSK   | 3  | 0  | 23.65  | 23.87  | 23.86  |                        |
| 1.4             | QPSK   | 3  | 1  | 23.80  | 23.73  | 23.76  |                        |
| 1.4             | QPSK   | 3  | 3  | 23.86  | 23.88  | 23.92  |                        |
| 1.4             | QPSK   | 6  | 0  | 22.83  | 22.96  | 22.95  | 24.2                   |
| 1.4             | 16QAM  | 1  | 0  | 22.96  | 22.96  | 22.92  | 24.2                   |
| 1.4             | 16QAM  | 1  | 3  | 23.00  | 22.97  | 22.92  |                        |
| 1.4             | 16QAM  | 1  | 5  | 23.03  | 22.99  | 22.94  |                        |
| 1.4             | 16QAM  | 3  | 0  | 22.85  | 22.89  | 22.85  |                        |
| 1.4             | 16QAM  | 3  | 1  | 23.03  | 22.93  | 22.95  |                        |
| 1.4             | 16QAM  | 3  | 3  | 22.92  | 23.06  | 22.97  | 23.2                   |
| 1.4             | 16QAM  | 6  | 0  | 21.89  | 21.96  | 21.88  |                        |
| 1.4             | 64QAM  | 1  | 0  | 21.83  | 21.89  | 21.86  | 23.2                   |
| 1.4             | 64QAM  | 1  | 3  | 21.99  | 22.07  | 21.98  |                        |
| 1.4             | 64QAM  | 1  | 5  | 21.95  | 22.07  | 21.95  |                        |
| 1.4             | 64QAM  | 3  | 0  | 22.36  | 22.47  | 22.40  |                        |
| 1.4             | 64QAM  | 3  | 1  | 22.50  | 22.51  | 22.45  |                        |
| 1.4             | 64QAM  | 3  | 3  | 22.58  | 22.64  | 22.69  | 22.2                   |
| 1.4             | 64QAM  | 6  | 0  | 20.84  | 20.96  | 20.86  |                        |
| 1.4             | 256QAM | 1  | 0  | 18.95  | 19.09  | 18.91  | 20.2                   |
| 1.4             | 256QAM | 1  | 3  | 19.19  | 19.22  | 19.10  |                        |
| 1.4             | 256QAM | 1  | 5  | 19.32  | 19.38  | 19.23  |                        |
| 1.4             | 256QAM | 3  | 0  | 18.97  | 19.06  | 18.95  |                        |
| 1.4             | 256QAM | 3  | 1  | 18.98  | 19.15  | 19.06  |                        |
| 1.4             | 256QAM | 3  | 3  | 19.23  | 19.23  | 19.23  | 20.2                   |
| 1.4             | 256QAM | 6  | 0  | 18.98  | 19.04  | 18.95  |                        |

**<LTE Band 5\_Ant 1\_DSI 0>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 20450                    | 20525                       | 20600                     |                        |
| Frequency (MHz) |            |         |           | 829                      | 836.5                       | 844                       |                        |
| 10              | QPSK       | 1       | 0         | 24.33                    | 24.36                       | 24.22                     |                        |
| 10              | QPSK       | 1       | 25        | 24.33                    | 24.32                       | 24.19                     | 25.2                   |
| 10              | QPSK       | 1       | 49        | 24.31                    | 24.17                       | 24.04                     |                        |
| 10              | QPSK       | 25      | 0         | 23.39                    | 23.40                       | 23.31                     |                        |
| 10              | QPSK       | 25      | 12        | 23.43                    | 23.34                       | 23.24                     | 24.2                   |
| 10              | QPSK       | 25      | 25        | 23.43                    | 23.30                       | 23.11                     |                        |
| 10              | QPSK       | 50      | 0         | 23.45                    | 23.35                       | 23.26                     |                        |
| 10              | 16QAM      | 1       | 0         | 23.70                    | 23.59                       | 23.47                     | 24.2                   |
| 10              | 16QAM      | 1       | 25        | 23.59                    | 23.60                       | 23.44                     |                        |
| 10              | 16QAM      | 1       | 49        | 23.58                    | 23.50                       | 23.30                     |                        |
| 10              | 16QAM      | 25      | 0         | 22.39                    | 22.35                       | 22.27                     | 23.2                   |
| 10              | 16QAM      | 25      | 12        | 22.46                    | 22.38                       | 22.24                     |                        |
| 10              | 16QAM      | 25      | 25        | 22.44                    | 22.34                       | 22.06                     |                        |
| 10              | 16QAM      | 50      | 0         | 22.41                    | 22.37                       | 22.25                     | 23.2                   |
| 10              | 64QAM      | 1       | 0         | 22.61                    | 22.64                       | 22.49                     |                        |
| 10              | 64QAM      | 1       | 25        | 22.66                    | 22.60                       | 22.42                     |                        |
| 10              | 64QAM      | 1       | 49        | 22.50                    | 22.44                       | 22.22                     | 22.2                   |
| 10              | 64QAM      | 25      | 0         | 21.42                    | 21.39                       | 21.22                     |                        |
| 10              | 64QAM      | 25      | 12        | 21.48                    | 21.35                       | 21.23                     |                        |
| 10              | 64QAM      | 25      | 25        | 21.42                    | 21.28                       | 21.12                     | 20.2                   |
| 10              | 64QAM      | 50      | 0         | 21.43                    | 21.35                       | 21.23                     |                        |
| 10              | 256QAM     | 1       | 0         | 19.45                    | 19.49                       | 19.45                     |                        |
| 10              | 256QAM     | 1       | 25        | 19.60                    | 19.64                       | 19.33                     | 20.2                   |
| 10              | 256QAM     | 1       | 49        | 19.49                    | 19.40                       | 19.16                     |                        |
| 10              | 256QAM     | 25      | 0         | 19.46                    | 19.45                       | 19.32                     |                        |
| 10              | 256QAM     | 25      | 12        | 19.50                    | 19.47                       | 19.26                     | 20.2                   |
| 10              | 256QAM     | 25      | 25        | 19.48                    | 19.41                       | 19.16                     |                        |
| 10              | 256QAM     | 50      | 0         | 19.54                    | 19.43                       | 19.29                     |                        |
| Channel         |            |         |           | 20425                    | 20525                       | 20625                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 826.5                    | 836.5                       | 846.5                     |                        |
| 5               | QPSK       | 1       | 0         | 24.20                    | 24.23                       | 24.07                     |                        |
| 5               | QPSK       | 1       | 12        | 24.21                    | 24.20                       | 24.02                     | 25.2                   |
| 5               | QPSK       | 1       | 24        | 24.16                    | 24.05                       | 23.88                     |                        |
| 5               | QPSK       | 12      | 0         | 23.22                    | 23.20                       | 23.21                     | 24.2                   |
| 5               | QPSK       | 12      | 7         | 23.31                    | 23.24                       | 23.13                     |                        |
| 5               | QPSK       | 12      | 13        | 23.25                    | 23.10                       | 22.96                     |                        |
| 5               | QPSK       | 25      | 0         | 23.31                    | 23.21                       | 23.06                     | 24.2                   |
| 5               | 16QAM      | 1       | 0         | 23.50                    | 23.42                       | 23.32                     |                        |
| 5               | 16QAM      | 1       | 12        | 23.42                    | 23.43                       | 23.29                     |                        |
| 5               | 16QAM      | 1       | 24        | 23.41                    | 23.35                       | 23.18                     | 23.2                   |
| 5               | 16QAM      | 12      | 0         | 22.22                    | 22.24                       | 22.08                     |                        |
| 5               | 16QAM      | 12      | 7         | 22.36                    | 22.20                       | 22.04                     |                        |
| 5               | 16QAM      | 12      | 13        | 22.24                    | 22.18                       | 22.05                     | 23.2                   |
| 5               | 16QAM      | 25      | 0         | 22.23                    | 22.25                       | 22.10                     |                        |
| 5               | 64QAM      | 1       | 0         | 22.43                    | 22.51                       | 22.35                     |                        |
| 5               | 64QAM      | 1       | 12        | 22.46                    | 22.47                       | 22.22                     | 23.2                   |
| 5               | 64QAM      | 1       | 24        | 22.38                    | 22.31                       | 22.11                     |                        |
| 5               | 64QAM      | 12      | 0         | 21.25                    | 21.24                       | 21.02                     |                        |
| 5               | 64QAM      | 12      | 7         | 21.32                    | 21.17                       | 21.12                     | 22.2                   |
| 5               | 64QAM      | 12      | 13        | 21.32                    | 21.12                       | 20.99                     |                        |
| 5               | 64QAM      | 25      | 0         | 21.30                    | 21.25                       | 21.12                     |                        |
| 5               | 256QAM     | 1       | 0         | 19.30                    | 19.32                       | 19.25                     | 20.2                   |
| 5               | 256QAM     | 1       | 12        | 19.42                    | 19.48                       | 19.19                     |                        |
| 5               | 256QAM     | 1       | 24        | 19.36                    | 19.20                       | 19.03                     |                        |
| 5               | 256QAM     | 12      | 0         | 19.34                    | 19.30                       | 19.14                     | 20.2                   |
| 5               | 256QAM     | 12      | 7         | 19.36                    | 19.31                       | 19.10                     |                        |
| 5               | 256QAM     | 12      | 13        | 19.34                    | 19.29                       | 18.97                     |                        |



# FCC SAR TEST REPORT

Report No. : FA411111B

|                 |        |    |    |       |       |       |                        |
|-----------------|--------|----|----|-------|-------|-------|------------------------|
| 5               | 256QAM | 25 | 0  | 19.38 | 19.29 | 19.11 | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 20415 | 20525 | 20635 |                        |
| Frequency (MHz) |        |    |    | 825.5 | 836.5 | 847.5 |                        |
| 3               | QPSK   | 1  | 0  | 24.18 | 24.16 | 24.05 | 25.2                   |
| 3               | QPSK   | 1  | 8  | 24.13 | 24.22 | 24.04 |                        |
| 3               | QPSK   | 1  | 14 | 24.16 | 24.06 | 23.85 |                        |
| 3               | QPSK   | 8  | 0  | 23.21 | 23.26 | 23.18 | 24.2                   |
| 3               | QPSK   | 8  | 4  | 23.33 | 23.19 | 23.12 |                        |
| 3               | QPSK   | 8  | 7  | 23.30 | 23.12 | 22.98 |                        |
| 3               | QPSK   | 15 | 0  | 23.30 | 23.20 | 23.16 |                        |
| 3               | 16QAM  | 1  | 0  | 23.57 | 23.49 | 23.28 | 24.2                   |
| 3               | 16QAM  | 1  | 8  | 23.49 | 23.48 | 23.32 |                        |
| 3               | 16QAM  | 1  | 14 | 23.44 | 23.35 | 23.14 |                        |
| 3               | 16QAM  | 8  | 0  | 22.25 | 22.19 | 22.17 | 23.2                   |
| 3               | 16QAM  | 8  | 4  | 22.28 | 22.28 | 22.09 |                        |
| 3               | 16QAM  | 8  | 7  | 22.26 | 22.23 | 21.96 |                        |
| 3               | 16QAM  | 15 | 0  | 22.25 | 22.17 | 22.12 |                        |
| 3               | 64QAM  | 1  | 0  | 22.47 | 22.53 | 22.37 | 23.2                   |
| 3               | 64QAM  | 1  | 8  | 22.46 | 22.40 | 22.26 |                        |
| 3               | 64QAM  | 1  | 14 | 22.32 | 22.27 | 22.09 |                        |
| 3               | 64QAM  | 8  | 0  | 21.29 | 21.28 | 21.11 | 22.2                   |
| 3               | 64QAM  | 8  | 4  | 21.37 | 21.21 | 21.09 |                        |
| 3               | 64QAM  | 8  | 7  | 21.22 | 21.08 | 20.95 |                        |
| 3               | 64QAM  | 15 | 0  | 21.32 | 21.19 | 21.07 |                        |
| 3               | 256QAM | 1  | 0  | 19.27 | 19.30 | 19.25 | 20.2                   |
| 3               | 256QAM | 1  | 8  | 19.41 | 19.45 | 19.22 |                        |
| 3               | 256QAM | 1  | 14 | 19.39 | 19.25 | 19.00 |                        |
| 3               | 256QAM | 8  | 0  | 19.27 | 19.27 | 19.15 | 20.2                   |
| 3               | 256QAM | 8  | 4  | 19.30 | 19.29 | 19.11 |                        |
| 3               | 256QAM | 8  | 7  | 19.36 | 19.22 | 19.04 |                        |
| 3               | 256QAM | 15 | 0  | 19.44 | 19.31 | 19.11 |                        |
| Channel         |        |    |    | 20407 | 20525 | 20643 | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 824.7 | 836.5 | 848.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 24.20 | 24.25 | 24.12 | 25.2                   |
| 1.4             | QPSK   | 1  | 3  | 24.22 | 24.12 | 24.03 |                        |
| 1.4             | QPSK   | 1  | 5  | 24.12 | 24.02 | 23.94 |                        |
| 1.4             | QPSK   | 3  | 0  | 24.09 | 24.08 | 23.94 |                        |
| 1.4             | QPSK   | 3  | 1  | 24.02 | 23.99 | 23.87 |                        |
| 1.4             | QPSK   | 3  | 3  | 24.00 | 23.88 | 23.81 |                        |
| 1.4             | QPSK   | 6  | 0  | 23.29 | 23.25 | 23.18 | 24.2                   |
| 1.4             | 16QAM  | 1  | 0  | 23.31 | 23.23 | 23.06 | 24.2                   |
| 1.4             | 16QAM  | 1  | 3  | 23.24 | 23.13 | 22.98 |                        |
| 1.4             | 16QAM  | 1  | 5  | 23.26 | 23.21 | 23.09 |                        |
| 1.4             | 16QAM  | 3  | 0  | 23.51 | 23.48 | 23.30 |                        |
| 1.4             | 16QAM  | 3  | 1  | 23.47 | 23.49 | 23.32 |                        |
| 1.4             | 16QAM  | 3  | 3  | 23.40 | 23.40 | 23.13 |                        |
| 1.4             | 16QAM  | 6  | 0  | 22.27 | 22.16 | 22.17 | 23.2                   |
| 1.4             | 64QAM  | 1  | 0  | 22.35 | 22.28 | 22.10 | 23.2                   |
| 1.4             | 64QAM  | 1  | 3  | 22.26 | 22.24 | 21.93 |                        |
| 1.4             | 64QAM  | 1  | 5  | 22.24 | 22.23 | 22.11 |                        |
| 1.4             | 64QAM  | 3  | 0  | 22.49 | 22.52 | 22.30 |                        |
| 1.4             | 64QAM  | 3  | 1  | 22.52 | 22.49 | 22.32 |                        |
| 1.4             | 64QAM  | 3  | 3  | 22.36 | 22.34 | 22.06 |                        |
| 1.4             | 64QAM  | 6  | 0  | 21.26 | 21.27 | 21.07 | 22.2                   |
| 1.4             | 256QAM | 1  | 0  | 19.35 | 19.31 | 19.32 | 20.2                   |
| 1.4             | 256QAM | 1  | 3  | 19.43 | 19.50 | 19.19 |                        |
| 1.4             | 256QAM | 1  | 5  | 19.32 | 19.25 | 19.03 |                        |
| 1.4             | 256QAM | 3  | 0  | 19.27 | 19.29 | 19.19 |                        |
| 1.4             | 256QAM | 3  | 1  | 19.38 | 19.33 | 19.10 |                        |
| 1.4             | 256QAM | 3  | 3  | 19.36 | 19.25 | 19.01 |                        |
| 1.4             | 256QAM | 6  | 0  | 19.41 | 19.31 | 19.13 | 20.2                   |



&lt;LTE Band 7\_Ant 5\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 20850                    | 21100                       | 21350                     |                        |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |
| 20              | QPSK       | 1       | 0         | 23.61                    | 23.51                       | 23.30                     |                        |
| 20              | QPSK       | 1       | 49        | 23.58                    | 23.48                       | 23.25                     | 25.2                   |
| 20              | QPSK       | 1       | 99        | 23.54                    | 23.35                       | 23.23                     |                        |
| 20              | QPSK       | 50      | 0         | 22.71                    | 22.49                       | 22.40                     |                        |
| 20              | QPSK       | 50      | 24        | 22.71                    | 22.44                       | 22.33                     | 24.2                   |
| 20              | QPSK       | 50      | 50        | 22.62                    | 22.42                       | 22.25                     |                        |
| 20              | QPSK       | 100     | 0         | 22.67                    | 22.47                       | 22.35                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.90                    | 22.79                       | 22.74                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 22.90                    | 22.77                       | 22.49                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.81                    | 22.69                       | 22.39                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.72                    | 21.47                       | 21.35                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 21.71                    | 21.50                       | 21.35                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.62                    | 21.45                       | 21.23                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.68                    | 21.47                       | 21.34                     | 23.2                   |
| 20              | 64QAM      | 1       | 0         | 21.83                    | 21.73                       | 21.58                     |                        |
| 20              | 64QAM      | 1       | 49        | 21.90                    | 21.75                       | 21.48                     |                        |
| 20              | 64QAM      | 1       | 99        | 21.63                    | 21.57                       | 21.37                     | 22.2                   |
| 20              | 64QAM      | 50      | 0         | 20.68                    | 20.49                       | 20.33                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.67                    | 20.43                       | 20.33                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.63                    | 20.41                       | 20.26                     | 20.2                   |
| 20              | 64QAM      | 100     | 0         | 20.68                    | 20.44                       | 20.37                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.69                    | 18.49                       | 18.43                     |                        |
| 20              | 256QAM     | 1       | 49        | 18.68                    | 18.48                       | 18.37                     | 20.2                   |
| 20              | 256QAM     | 1       | 99        | 18.67                    | 18.41                       | 18.22                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.72                    | 18.52                       | 18.38                     |                        |
| 20              | 256QAM     | 50      | 24        | 18.71                    | 18.49                       | 18.40                     | 20.2                   |
| 20              | 256QAM     | 50      | 50        | 18.62                    | 18.48                       | 18.28                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.68                    | 18.47                       | 18.34                     |                        |
| Channel         |            |         |           | 20825                    | 21100                       | 21375                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.48                    | 23.40                       | 23.40                     |                        |
| 15              | QPSK       | 1       | 37        | 23.43                    | 23.28                       | 23.42                     | 25.2                   |
| 15              | QPSK       | 1       | 74        | 23.37                    | 23.40                       | 23.34                     |                        |
| 15              | QPSK       | 36      | 0         | 22.53                    | 22.35                       | 22.55                     | 24.2                   |
| 15              | QPSK       | 36      | 20        | 22.56                    | 22.30                       | 22.47                     |                        |
| 15              | QPSK       | 36      | 39        | 22.42                    | 22.29                       | 22.45                     |                        |
| 15              | QPSK       | 75      | 0         | 22.57                    | 22.28                       | 22.46                     | 24.2                   |
| 15              | 16QAM      | 1       | 0         | 22.76                    | 22.65                       | 22.84                     |                        |
| 15              | 16QAM      | 1       | 37        | 22.74                    | 22.64                       | 22.63                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.64                    | 22.58                       | 22.50                     | 23.2                   |
| 15              | 16QAM      | 36      | 0         | 21.57                    | 21.33                       | 21.46                     |                        |
| 15              | 16QAM      | 36      | 20        | 21.58                    | 21.33                       | 21.53                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.43                    | 21.27                       | 21.36                     | 23.2                   |
| 15              | 16QAM      | 75      | 0         | 21.48                    | 21.27                       | 21.52                     |                        |
| 15              | 64QAM      | 1       | 0         | 21.63                    | 21.60                       | 21.74                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.72                    | 21.57                       | 21.66                     | 23.2                   |
| 15              | 64QAM      | 1       | 74        | 21.51                    | 21.41                       | 21.49                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.56                    | 20.33                       | 20.43                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.56                    | 20.27                       | 20.46                     | 22.2                   |
| 15              | 64QAM      | 36      | 39        | 20.44                    | 20.23                       | 20.44                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.57                    | 20.24                       | 20.56                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.50                    | 18.37                       | 18.55                     | 20.2                   |
| 15              | 256QAM     | 1       | 37        | 18.58                    | 18.33                       | 18.49                     |                        |
| 15              | 256QAM     | 1       | 74        | 18.57                    | 18.28                       | 18.36                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.56                    | 18.41                       | 18.51                     | 20.2                   |
| 15              | 256QAM     | 36      | 20        | 18.56                    | 18.34                       | 18.57                     |                        |
| 15              | 256QAM     | 36      | 39        | 18.51                    | 18.35                       | 18.46                     |                        |



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|                 |        |    |    |        |       |        |                        |
|-----------------|--------|----|----|--------|-------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 18.51  | 18.37 | 18.49  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 20800  | 21100 | 21400  |                        |
| Frequency (MHz) |        |    |    | 2505   | 2535  | 2565   |                        |
| 10              | QPSK   | 1  | 0  | 23.44  | 23.41 | 23.45  | 25.2                   |
| 10              | QPSK   | 1  | 25 | 23.42  | 23.35 | 23.37  |                        |
| 10              | QPSK   | 1  | 49 | 23.41  | 23.30 | 23.38  |                        |
| 10              | QPSK   | 25 | 0  | 22.55  | 22.29 | 22.52  | 24.2                   |
| 10              | QPSK   | 25 | 12 | 22.55  | 22.29 | 22.51  |                        |
| 10              | QPSK   | 25 | 25 | 22.45  | 22.30 | 22.43  |                        |
| 10              | QPSK   | 50 | 0  | 22.54  | 22.29 | 22.53  |                        |
| 10              | 16QAM  | 1  | 0  | 22.80  | 22.68 | 22.85  | 24.2                   |
| 10              | 16QAM  | 1  | 25 | 22.73  | 22.67 | 22.59  |                        |
| 10              | 16QAM  | 1  | 49 | 22.68  | 22.55 | 22.52  |                        |
| 10              | 16QAM  | 25 | 0  | 21.62  | 21.28 | 21.54  | 23.2                   |
| 10              | 16QAM  | 25 | 12 | 21.55  | 21.37 | 21.46  |                        |
| 10              | 16QAM  | 25 | 25 | 21.47  | 21.31 | 21.35  |                        |
| 10              | 16QAM  | 50 | 0  | 21.56  | 21.34 | 21.51  |                        |
| 10              | 64QAM  | 1  | 0  | 21.65  | 21.59 | 21.71  | 23.2                   |
| 10              | 64QAM  | 1  | 25 | 21.78  | 21.60 | 21.66  |                        |
| 10              | 64QAM  | 1  | 49 | 21.43  | 21.41 | 21.55  |                        |
| 10              | 64QAM  | 25 | 0  | 20.51  | 20.38 | 20.52  | 22.2                   |
| 10              | 64QAM  | 25 | 12 | 20.53  | 20.24 | 20.48  |                        |
| 10              | 64QAM  | 25 | 25 | 20.48  | 20.24 | 20.46  |                        |
| 10              | 64QAM  | 50 | 0  | 20.57  | 20.29 | 20.54  |                        |
| 10              | 256QAM | 1  | 0  | 18.52  | 18.33 | 18.54  | 20.2                   |
| 10              | 256QAM | 1  | 25 | 18.53  | 18.34 | 18.54  |                        |
| 10              | 256QAM | 1  | 49 | 18.54  | 18.26 | 18.39  |                        |
| 10              | 256QAM | 25 | 0  | 18.56  | 18.33 | 18.57  | 20.2                   |
| 10              | 256QAM | 25 | 12 | 18.61  | 18.29 | 18.56  |                        |
| 10              | 256QAM | 25 | 25 | 18.50  | 18.30 | 18.43  |                        |
| 10              | 256QAM | 50 | 0  | 18.58  | 18.29 | 18.47  |                        |
| Channel         |        |    |    | 20775  | 21100 | 21425  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 2502.5 | 2535  | 2567.5 |                        |
| 5               | QPSK   | 1  | 0  | 23.41  | 23.38 | 23.41  | 25.2                   |
| 5               | QPSK   | 1  | 12 | 23.38  | 23.35 | 23.41  |                        |
| 5               | QPSK   | 1  | 24 | 23.34  | 23.21 | 23.43  |                        |
| 5               | QPSK   | 12 | 0  | 22.53  | 22.32 | 22.53  | 24.2                   |
| 5               | QPSK   | 12 | 7  | 22.51  | 22.28 | 22.51  |                        |
| 5               | QPSK   | 12 | 13 | 22.49  | 22.29 | 22.36  |                        |
| 5               | QPSK   | 25 | 0  | 22.55  | 22.34 | 22.55  |                        |
| 5               | 16QAM  | 1  | 0  | 22.70  | 22.66 | 22.94  | 24.2                   |
| 5               | 16QAM  | 1  | 12 | 22.71  | 22.65 | 22.59  |                        |
| 5               | 16QAM  | 1  | 24 | 22.64  | 22.54 | 22.58  |                        |
| 5               | 16QAM  | 12 | 0  | 21.59  | 21.29 | 21.45  | 23.2                   |
| 5               | 16QAM  | 12 | 7  | 21.60  | 21.35 | 21.50  |                        |
| 5               | 16QAM  | 12 | 13 | 21.52  | 21.28 | 21.37  |                        |
| 5               | 16QAM  | 25 | 0  | 21.55  | 21.29 | 21.52  |                        |
| 5               | 64QAM  | 1  | 0  | 21.72  | 21.58 | 21.73  | 23.2                   |
| 5               | 64QAM  | 1  | 12 | 21.70  | 21.57 | 21.61  |                        |
| 5               | 64QAM  | 1  | 24 | 21.50  | 21.42 | 21.48  |                        |
| 5               | 64QAM  | 12 | 0  | 20.49  | 20.34 | 20.51  | 22.2                   |
| 5               | 64QAM  | 12 | 7  | 20.53  | 20.27 | 20.49  |                        |
| 5               | 64QAM  | 12 | 13 | 20.53  | 20.28 | 20.37  |                        |
| 5               | 64QAM  | 25 | 0  | 20.53  | 20.27 | 20.50  |                        |
| 5               | 256QAM | 1  | 0  | 18.59  | 18.34 | 18.55  | 20.2                   |
| 5               | 256QAM | 1  | 12 | 18.53  | 18.30 | 18.56  |                        |
| 5               | 256QAM | 1  | 24 | 18.52  | 18.30 | 18.33  |                        |
| 5               | 256QAM | 12 | 0  | 18.59  | 18.41 | 18.52  | 20.2                   |
| 5               | 256QAM | 12 | 7  | 18.60  | 18.33 | 18.52  |                        |
| 5               | 256QAM | 12 | 13 | 18.47  | 18.33 | 18.47  |                        |
| 5               | 256QAM | 25 | 0  | 18.58  | 18.30 | 18.50  |                        |



&lt;LTE Band 12\_Ant 1\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 23060                    | 23095                       | 23130                     |                        |
| Frequency (MHz) |            |         |           | 704                      | 707.5                       | 711                       |                        |
| 10              | QPSK       | 1       | 0         | 23.80                    | 23.88                       | 23.85                     |                        |
| 10              | QPSK       | 1       | 25        | 23.82                    | 23.86                       | 23.80                     | 25.2                   |
| 10              | QPSK       | 1       | 49        | 23.74                    | 23.66                       | 23.57                     |                        |
| 10              | QPSK       | 25      | 0         | 22.85                    | 22.91                       | 22.90                     |                        |
| 10              | QPSK       | 25      | 12        | 22.90                    | 22.86                       | 22.84                     | 24.2                   |
| 10              | QPSK       | 25      | 25        | 22.86                    | 22.81                       | 22.70                     |                        |
| 10              | QPSK       | 50      | 0         | 22.90                    | 22.83                       | 22.84                     |                        |
| 10              | 16QAM      | 1       | 0         | 23.10                    | 23.13                       | 23.03                     | 24.2                   |
| 10              | 16QAM      | 1       | 25        | 23.12                    | 23.08                       | 23.01                     |                        |
| 10              | 16QAM      | 1       | 49        | 23.06                    | 22.92                       | 22.87                     |                        |
| 10              | 16QAM      | 25      | 0         | 21.86                    | 21.85                       | 21.92                     | 23.2                   |
| 10              | 16QAM      | 25      | 12        | 21.91                    | 21.88                       | 21.89                     |                        |
| 10              | 16QAM      | 25      | 25        | 21.88                    | 21.81                       | 21.72                     |                        |
| 10              | 16QAM      | 50      | 0         | 21.91                    | 21.80                       | 21.83                     | 23.2                   |
| 10              | 64QAM      | 1       | 0         | 22.17                    | 22.02                       | 22.19                     |                        |
| 10              | 64QAM      | 1       | 25        | 22.09                    | 22.12                       | 21.95                     |                        |
| 10              | 64QAM      | 1       | 49        | 22.04                    | 21.87                       | 21.89                     | 22.2                   |
| 10              | 64QAM      | 25      | 0         | 20.85                    | 20.85                       | 20.90                     |                        |
| 10              | 64QAM      | 25      | 12        | 20.94                    | 20.87                       | 20.91                     |                        |
| 10              | 64QAM      | 25      | 25        | 20.87                    | 20.81                       | 20.69                     | 20.2                   |
| 10              | 64QAM      | 50      | 0         | 20.88                    | 20.86                       | 20.88                     |                        |
| 10              | 256QAM     | 1       | 0         | 19.29                    | 18.91                       | 19.00                     |                        |
| 10              | 256QAM     | 1       | 25        | 19.01                    | 19.05                       | 18.97                     | 20.2                   |
| 10              | 256QAM     | 1       | 49        | 18.97                    | 18.85                       | 18.80                     |                        |
| 10              | 256QAM     | 25      | 0         | 19.02                    | 18.86                       | 18.94                     |                        |
| 10              | 256QAM     | 25      | 12        | 18.91                    | 18.95                       | 18.91                     | 20.2                   |
| 10              | 256QAM     | 25      | 25        | 18.92                    | 18.84                       | 18.79                     |                        |
| 10              | 256QAM     | 50      | 0         | 18.93                    | 18.92                       | 18.89                     |                        |
| Channel         |            |         |           | 23035                    | 23095                       | 23155                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 701.5                    | 707.5                       | 713.5                     |                        |
| 5               | QPSK       | 1       | 0         | 23.68                    | 23.77                       | 23.75                     |                        |
| 5               | QPSK       | 1       | 12        | 23.63                    | 23.72                       | 23.63                     | 25.2                   |
| 5               | QPSK       | 1       | 24        | 23.55                    | 23.55                       | 23.38                     |                        |
| 5               | QPSK       | 12      | 0         | 22.75                    | 22.78                       | 22.74                     |                        |
| 5               | QPSK       | 12      | 7         | 22.70                    | 22.67                       | 22.74                     | 24.2                   |
| 5               | QPSK       | 12      | 13        | 22.68                    | 22.70                       | 22.59                     |                        |
| 5               | QPSK       | 25      | 0         | 22.74                    | 22.65                       | 22.64                     |                        |
| 5               | 16QAM      | 1       | 0         | 22.91                    | 22.98                       | 22.87                     | 24.2                   |
| 5               | 16QAM      | 1       | 12        | 22.92                    | 22.93                       | 22.82                     |                        |
| 5               | 16QAM      | 1       | 24        | 22.94                    | 22.82                       | 22.77                     |                        |
| 5               | 16QAM      | 12      | 0         | 21.76                    | 21.75                       | 21.80                     | 23.2                   |
| 5               | 16QAM      | 12      | 7         | 21.73                    | 21.73                       | 21.69                     |                        |
| 5               | 16QAM      | 12      | 13        | 21.69                    | 21.67                       | 21.53                     |                        |
| 5               | 16QAM      | 25      | 0         | 21.75                    | 21.61                       | 21.71                     | 23.2                   |
| 5               | 64QAM      | 1       | 0         | 22.06                    | 21.85                       | 22.06                     |                        |
| 5               | 64QAM      | 1       | 12        | 21.98                    | 21.95                       | 21.76                     |                        |
| 5               | 64QAM      | 1       | 24        | 21.86                    | 21.77                       | 21.73                     | 22.2                   |
| 5               | 64QAM      | 12      | 0         | 20.65                    | 20.73                       | 20.72                     |                        |
| 5               | 64QAM      | 12      | 7         | 20.74                    | 20.72                       | 20.76                     |                        |
| 5               | 64QAM      | 12      | 13        | 20.68                    | 20.65                       | 20.59                     | 20.2                   |
| 5               | 64QAM      | 25      | 0         | 20.71                    | 20.76                       | 20.68                     |                        |
| 5               | 256QAM     | 1       | 0         | 19.13                    | 18.74                       | 18.80                     |                        |
| 5               | 256QAM     | 1       | 12        | 18.90                    | 18.93                       | 18.84                     | 20.2                   |
| 5               | 256QAM     | 1       | 24        | 18.80                    | 18.66                       | 18.69                     |                        |
| 5               | 256QAM     | 12      | 0         | 18.92                    | 18.73                       | 18.82                     |                        |
| 5               | 256QAM     | 12      | 7         | 18.81                    | 18.81                       | 18.78                     | 20.2                   |
| 5               | 256QAM     | 12      | 13        | 18.74                    | 18.72                       | 18.61                     |                        |



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|                 |        |    |    |       |       |       |                        |
|-----------------|--------|----|----|-------|-------|-------|------------------------|
| 5               | 256QAM | 25 | 0  | 18.77 | 18.76 | 18.76 | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 23025 | 23095 | 23165 |                        |
| Frequency (MHz) |        |    |    | 700.5 | 707.5 | 714.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.67 | 23.75 | 23.68 | 25.2                   |
| 3               | QPSK   | 1  | 8  | 23.71 | 23.73 | 23.60 |                        |
| 3               | QPSK   | 1  | 14 | 23.54 | 23.48 | 23.43 |                        |
| 3               | QPSK   | 8  | 0  | 22.71 | 22.73 | 22.71 | 24.2                   |
| 3               | QPSK   | 8  | 4  | 22.79 | 22.69 | 22.65 |                        |
| 3               | QPSK   | 8  | 7  | 22.75 | 22.65 | 22.50 |                        |
| 3               | QPSK   | 15 | 0  | 22.77 | 22.72 | 22.67 | 24.2                   |
| 3               | 16QAM  | 1  | 0  | 22.99 | 23.01 | 22.86 |                        |
| 3               | 16QAM  | 1  | 8  | 22.96 | 22.96 | 22.89 |                        |
| 3               | 16QAM  | 1  | 14 | 22.89 | 22.73 | 22.67 | 23.2                   |
| 3               | 16QAM  | 8  | 0  | 21.71 | 21.66 | 21.75 |                        |
| 3               | 16QAM  | 8  | 4  | 21.80 | 21.68 | 21.78 |                        |
| 3               | 16QAM  | 8  | 7  | 21.73 | 21.69 | 21.57 | 23.2                   |
| 3               | 16QAM  | 15 | 0  | 21.75 | 21.67 | 21.73 |                        |
| 3               | 64QAM  | 1  | 0  | 21.98 | 21.84 | 22.03 |                        |
| 3               | 64QAM  | 1  | 8  | 21.98 | 22.01 | 21.75 | 23.2                   |
| 3               | 64QAM  | 1  | 14 | 21.94 | 21.73 | 21.70 |                        |
| 3               | 64QAM  | 8  | 0  | 20.73 | 20.68 | 20.78 | 22.2                   |
| 3               | 64QAM  | 8  | 4  | 20.80 | 20.76 | 20.71 |                        |
| 3               | 64QAM  | 8  | 7  | 20.77 | 20.61 | 20.59 |                        |
| 3               | 64QAM  | 15 | 0  | 20.72 | 20.71 | 20.74 | 20.2                   |
| 3               | 256QAM | 1  | 0  | 19.18 | 18.76 | 18.84 |                        |
| 3               | 256QAM | 1  | 8  | 18.85 | 18.88 | 18.87 |                        |
| 3               | 256QAM | 1  | 14 | 18.87 | 18.73 | 18.68 | 20.2                   |
| 3               | 256QAM | 8  | 0  | 18.89 | 18.68 | 18.78 |                        |
| 3               | 256QAM | 8  | 4  | 18.77 | 18.84 | 18.81 |                        |
| 3               | 256QAM | 8  | 7  | 18.79 | 18.65 | 18.65 | 20.2                   |
| 3               | 256QAM | 15 | 0  | 18.74 | 18.80 | 18.73 |                        |
| Channel         |        |    |    | 23017 | 23095 | 23173 | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 699.7 | 707.5 | 715.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 23.60 | 23.68 | 23.69 | 25.2                   |
| 1.4             | QPSK   | 1  | 3  | 23.63 | 23.69 | 23.68 |                        |
| 1.4             | QPSK   | 1  | 5  | 23.56 | 23.51 | 23.46 |                        |
| 1.4             | QPSK   | 3  | 0  | 23.43 | 23.51 | 23.55 | 24.2                   |
| 1.4             | QPSK   | 3  | 1  | 23.49 | 23.52 | 23.48 |                        |
| 1.4             | QPSK   | 3  | 3  | 23.40 | 23.35 | 23.31 |                        |
| 1.4             | QPSK   | 6  | 0  | 22.75 | 22.75 | 22.79 | 24.2                   |
| 1.4             | 16QAM  | 1  | 0  | 22.78 | 22.66 | 22.72 |                        |
| 1.4             | 16QAM  | 1  | 3  | 22.74 | 22.67 | 22.54 |                        |
| 1.4             | 16QAM  | 1  | 5  | 22.71 | 22.68 | 22.64 | 23.2                   |
| 1.4             | 16QAM  | 3  | 0  | 22.97 | 22.98 | 22.89 |                        |
| 1.4             | 16QAM  | 3  | 1  | 23.00 | 22.91 | 22.89 |                        |
| 1.4             | 16QAM  | 3  | 3  | 22.95 | 22.76 | 22.71 | 23.2                   |
| 1.4             | 16QAM  | 6  | 0  | 21.71 | 21.72 | 21.80 |                        |
| 1.4             | 64QAM  | 1  | 0  | 21.72 | 21.78 | 21.72 |                        |
| 1.4             | 64QAM  | 1  | 3  | 21.72 | 21.67 | 21.56 | 22.2                   |
| 1.4             | 64QAM  | 1  | 5  | 21.74 | 21.61 | 21.71 |                        |
| 1.4             | 64QAM  | 3  | 0  | 21.98 | 21.85 | 22.09 |                        |
| 1.4             | 64QAM  | 3  | 1  | 21.92 | 22.00 | 21.75 | 20.2                   |
| 1.4             | 64QAM  | 3  | 3  | 21.94 | 21.76 | 21.73 |                        |
| 1.4             | 64QAM  | 6  | 0  | 20.69 | 20.72 | 20.70 |                        |
| 1.4             | 256QAM | 1  | 0  | 19.17 | 18.72 | 18.87 | 20.2                   |
| 1.4             | 256QAM | 1  | 3  | 18.87 | 18.95 | 18.84 |                        |
| 1.4             | 256QAM | 1  | 5  | 18.78 | 18.67 | 18.61 |                        |
| 1.4             | 256QAM | 3  | 0  | 18.91 | 18.75 | 18.76 | 20.2                   |
| 1.4             | 256QAM | 3  | 1  | 18.81 | 18.80 | 18.73 |                        |
| 1.4             | 256QAM | 3  | 3  | 18.75 | 18.64 | 18.60 |                        |
| 1.4             | 256QAM | 6  | 0  | 18.76 | 18.73 | 18.72 | 20.2                   |

**<LTE Band 13\_Ant 1\_DSI 0>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 23230                    |                             |                           |                        |
| Frequency (MHz) |            |         |           | 782                      |                             |                           |                        |
| 10              | QPSK       | 1       | 0         |                          | 23.78                       |                           | 25.2                   |
| 10              | QPSK       | 1       | 25        |                          | 23.72                       |                           |                        |
| 10              | QPSK       | 1       | 49        |                          | 23.57                       |                           |                        |
| 10              | QPSK       | 25      | 0         |                          | 22.70                       |                           | 24.2                   |
| 10              | QPSK       | 25      | 12        |                          | 22.79                       |                           |                        |
| 10              | QPSK       | 25      | 25        |                          | 22.77                       |                           |                        |
| 10              | QPSK       | 50      | 0         |                          | 22.88                       |                           | 24.2                   |
| 10              | 16QAM      | 1       | 0         |                          | 23.00                       |                           |                        |
| 10              | 16QAM      | 1       | 25        |                          | 23.10                       |                           |                        |
| 10              | 16QAM      | 1       | 49        |                          | 22.85                       |                           | 23.2                   |
| 10              | 16QAM      | 25      | 0         |                          | 21.72                       |                           |                        |
| 10              | 16QAM      | 25      | 12        |                          | 21.84                       |                           |                        |
| 10              | 16QAM      | 25      | 25        |                          | 21.79                       |                           | 23.2                   |
| 10              | 16QAM      | 50      | 0         |                          | 21.86                       |                           |                        |
| 10              | 64QAM      | 1       | 0         |                          | 21.89                       |                           |                        |
| 10              | 64QAM      | 1       | 25        |                          | 22.00                       |                           | 22.2                   |
| 10              | 64QAM      | 1       | 49        |                          | 21.82                       |                           |                        |
| 10              | 64QAM      | 25      | 0         |                          | 20.72                       |                           |                        |
| 10              | 64QAM      | 25      | 12        |                          | 20.88                       |                           | 20.2                   |
| 10              | 64QAM      | 25      | 25        |                          | 20.78                       |                           |                        |
| 10              | 64QAM      | 50      | 0         |                          | 20.85                       |                           |                        |
| 10              | 256QAM     | 1       | 0         |                          | 18.82                       |                           | 20.2                   |
| 10              | 256QAM     | 1       | 25        |                          | 18.94                       |                           |                        |
| 10              | 256QAM     | 1       | 49        |                          | 18.81                       |                           |                        |
| 10              | 256QAM     | 25      | 0         |                          | 18.80                       |                           | 20.2                   |
| 10              | 256QAM     | 25      | 12        |                          | 18.92                       |                           |                        |
| 10              | 256QAM     | 25      | 25        |                          | 18.92                       |                           |                        |
| 10              | 256QAM     | 50      | 0         |                          | 18.96                       |                           |                        |
| Channel         |            |         |           | 23205                    | 23230                       | 23255                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 779.5                    | 782                         | 784.5                     |                        |
| 5               | QPSK       | 1       | 0         | 23.65                    | 23.65                       | 23.67                     | 25.2                   |
| 5               | QPSK       | 1       | 12        | 23.52                    | 23.56                       | 23.62                     |                        |
| 5               | QPSK       | 1       | 24        | 23.40                    | 23.44                       | 23.45                     |                        |
| 5               | QPSK       | 12      | 0         | 22.55                    | 22.58                       | 22.60                     | 24.2                   |
| 5               | QPSK       | 12      | 7         | 22.69                    | 22.66                       | 22.63                     |                        |
| 5               | QPSK       | 12      | 13        | 22.57                    | 22.59                       | 22.67                     |                        |
| 5               | QPSK       | 25      | 0         | 22.73                    | 22.70                       | 22.72                     | 24.2                   |
| 5               | 16QAM      | 1       | 0         | 22.81                    | 22.84                       | 22.81                     |                        |
| 5               | 16QAM      | 1       | 12        | 22.94                    | 22.93                       | 22.96                     |                        |
| 5               | 16QAM      | 1       | 24        | 22.75                    | 22.70                       | 22.75                     | 23.2                   |
| 5               | 16QAM      | 12      | 0         | 21.52                    | 21.57                       | 21.57                     |                        |
| 5               | 16QAM      | 12      | 7         | 21.70                    | 21.66                       | 21.70                     |                        |
| 5               | 16QAM      | 12      | 13        | 21.65                    | 21.66                       | 21.69                     | 23.2                   |
| 5               | 16QAM      | 25      | 0         | 21.67                    | 21.74                       | 21.73                     |                        |
| 5               | 64QAM      | 1       | 0         | 21.79                    | 21.78                       | 21.76                     |                        |
| 5               | 64QAM      | 1       | 12        | 21.80                    | 21.88                       | 21.83                     | 22.2                   |
| 5               | 64QAM      | 1       | 24        | 21.66                    | 21.72                       | 21.72                     |                        |
| 5               | 64QAM      | 12      | 0         | 20.58                    | 20.55                       | 20.60                     |                        |
| 5               | 64QAM      | 12      | 7         | 20.77                    | 20.72                       | 20.77                     | 20.2                   |
| 5               | 64QAM      | 12      | 13        | 20.62                    | 20.65                       | 20.68                     |                        |
| 5               | 64QAM      | 25      | 0         | 20.66                    | 20.72                       | 20.67                     |                        |
| 5               | 256QAM     | 1       | 0         | 18.65                    | 18.64                       | 18.72                     | 20.2                   |
| 5               | 256QAM     | 1       | 12        | 18.78                    | 18.82                       | 18.79                     |                        |
| 5               | 256QAM     | 1       | 24        | 18.70                    | 18.61                       | 18.71                     |                        |
| 5               | 256QAM     | 12      | 0         | 18.65                    | 18.69                       | 18.67                     | 20.2                   |



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|   |        |    |    |       |       |       |  |
|---|--------|----|----|-------|-------|-------|--|
| 5 | 256QAM | 12 | 7  | 18.74 | 18.80 | 18.82 |  |
| 5 | 256QAM | 12 | 13 | 18.72 | 18.78 | 18.76 |  |
| 5 | 256QAM | 25 | 0  | 18.76 | 18.85 | 18.81 |  |

## <LTE Band 14\_Ant 1\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 23330                    |                             |                           |                        |
| Frequency (MHz) |            |         |           | 793                      |                             |                           |                        |
| 10              | QPSK       | 1       | 0         |                          | 23.80                       |                           | 25.2                   |
| 10              | QPSK       | 1       | 25        |                          | 23.69                       |                           |                        |
| 10              | QPSK       | 1       | 49        |                          | 23.68                       |                           |                        |
| 10              | QPSK       | 25      | 0         |                          | 22.74                       |                           | 24.2                   |
| 10              | QPSK       | 25      | 12        |                          | 22.78                       |                           |                        |
| 10              | QPSK       | 25      | 25        |                          | 22.77                       |                           |                        |
| 10              | QPSK       | 50      | 0         |                          | 22.72                       |                           |                        |
| 10              | 16QAM      | 1       | 0         |                          | 22.92                       |                           | 24.2                   |
| 10              | 16QAM      | 1       | 25        |                          | 23.11                       |                           |                        |
| 10              | 16QAM      | 1       | 49        |                          | 23.01                       |                           |                        |
| 10              | 16QAM      | 25      | 0         |                          | 21.79                       |                           | 23.2                   |
| 10              | 16QAM      | 25      | 12        |                          | 21.78                       |                           |                        |
| 10              | 16QAM      | 25      | 25        |                          | 21.79                       |                           |                        |
| 10              | 16QAM      | 50      | 0         |                          | 21.73                       |                           |                        |
| 10              | 64QAM      | 1       | 0         |                          | 21.96                       |                           | 23.2                   |
| 10              | 64QAM      | 1       | 25        |                          | 22.05                       |                           |                        |
| 10              | 64QAM      | 1       | 49        |                          | 21.89                       |                           |                        |
| 10              | 64QAM      | 25      | 0         |                          | 20.75                       |                           | 22.2                   |
| 10              | 64QAM      | 25      | 12        |                          | 20.76                       |                           |                        |
| 10              | 64QAM      | 25      | 25        |                          | 20.80                       |                           |                        |
| 10              | 64QAM      | 50      | 0         |                          | 20.75                       |                           |                        |
| 10              | 256QAM     | 1       | 0         |                          | 18.85                       |                           | 20.2                   |
| 10              | 256QAM     | 1       | 25        |                          | 18.90                       |                           |                        |
| 10              | 256QAM     | 1       | 49        |                          | 18.84                       |                           |                        |
| 10              | 256QAM     | 25      | 0         |                          | 18.79                       |                           | 20.2                   |
| 10              | 256QAM     | 25      | 12        |                          | 18.84                       |                           |                        |
| 10              | 256QAM     | 25      | 25        |                          | 18.88                       |                           |                        |
| 10              | 256QAM     | 50      | 0         |                          | 18.84                       |                           |                        |
| Channel         |            |         |           | 23305                    | 23330                       | 23355                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 790.5                    | 793                         | 795.5                     |                        |
| 5               | QPSK       | 1       | 0         | 23.70                    | 23.67                       | 23.64                     | 25.2                   |
| 5               | QPSK       | 1       | 12        | 23.58                    | 23.57                       | 23.56                     |                        |
| 5               | QPSK       | 1       | 24        | 23.54                    | 23.50                       | 23.50                     |                        |
| 5               | QPSK       | 12      | 0         | 22.57                    | 22.62                       | 22.54                     | 24.2                   |
| 5               | QPSK       | 12      | 7         | 22.60                    | 22.66                       | 22.65                     |                        |
| 5               | QPSK       | 12      | 13        | 22.64                    | 22.61                       | 22.67                     |                        |
| 5               | QPSK       | 25      | 0         | 22.54                    | 22.61                       | 22.57                     | 24.2                   |
| 5               | 16QAM      | 1       | 0         | 22.81                    | 22.72                       | 22.80                     |                        |
| 5               | 16QAM      | 1       | 12        | 23.01                    | 22.97                       | 23.00                     |                        |
| 5               | 16QAM      | 1       | 24        | 22.85                    | 22.88                       | 22.89                     |                        |
| 5               | 16QAM      | 12      | 0         | 21.61                    | 21.61                       | 21.65                     | 23.2                   |
| 5               | 16QAM      | 12      | 7         | 21.58                    | 21.60                       | 21.60                     |                        |
| 5               | 16QAM      | 12      | 13        | 21.65                    | 21.63                       | 21.61                     |                        |
| 5               | 16QAM      | 25      | 0         | 21.58                    | 21.59                       | 21.54                     |                        |
| 5               | 64QAM      | 1       | 0         | 21.84                    | 21.78                       | 21.83                     | 23.2                   |
| 5               | 64QAM      | 1       | 12        | 21.87                    | 21.94                       | 21.85                     |                        |
| 5               | 64QAM      | 1       | 24        | 21.77                    | 21.70                       | 21.74                     |                        |
| 5               | 64QAM      | 12      | 0         | 20.56                    | 20.58                       | 20.62                     | 22.2                   |
| 5               | 64QAM      | 12      | 7         | 20.65                    | 20.66                       | 20.56                     |                        |
| 5               | 64QAM      | 12      | 13        | 20.63                    | 20.68                       | 20.68                     |                        |
| 5               | 64QAM      | 25      | 0         | 20.65                    | 20.61                       | 20.62                     |                        |
| 5               | 256QAM     | 1       | 0         | 18.71                    | 18.70                       | 18.66                     | 20.2                   |



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|   |        |    |    |       |       |       |      |
|---|--------|----|----|-------|-------|-------|------|
| 5 | 256QAM | 1  | 12 | 18.70 | 18.74 | 18.79 | 20.2 |
| 5 | 256QAM | 1  | 24 | 18.65 | 18.67 | 18.68 |      |
| 5 | 256QAM | 12 | 0  | 18.67 | 18.60 | 18.62 |      |
| 5 | 256QAM | 12 | 7  | 18.74 | 18.66 | 18.68 |      |
| 5 | 256QAM | 12 | 13 | 18.71 | 18.74 | 18.68 |      |
| 5 | 256QAM | 25 | 0  | 18.66 | 18.66 | 18.66 |      |

## <LTE Band 17\_Ant 1\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 23780                    | 23790                       | 23800                     |                        |
| Frequency (MHz) |            |         |           | 709                      | 710                         | 711                       |                        |
| 10              | QPSK       | 1       | 0         | 23.76                    | 23.75                       | 23.77                     | 25.2                   |
| 10              | QPSK       | 1       | 25        | 23.75                    | 23.71                       | 23.76                     |                        |
| 10              | QPSK       | 1       | 49        | 23.65                    | 23.65                       | 23.63                     |                        |
| 10              | QPSK       | 25      | 0         | 22.86                    | 22.86                       | 22.84                     | 24.2                   |
| 10              | QPSK       | 25      | 12        | 22.91                    | 22.86                       | 22.80                     |                        |
| 10              | QPSK       | 25      | 25        | 22.86                    | 22.79                       | 22.76                     |                        |
| 10              | QPSK       | 50      | 0         | 22.80                    | 22.84                       | 22.82                     | 24.2                   |
| 10              | 16QAM      | 1       | 0         | 23.10                    | 22.98                       | 23.09                     |                        |
| 10              | 16QAM      | 1       | 25        | 23.14                    | 23.12                       | 23.14                     |                        |
| 10              | 16QAM      | 1       | 49        | 22.88                    | 22.92                       | 22.83                     | 23.2                   |
| 10              | 16QAM      | 25      | 0         | 21.84                    | 21.85                       | 21.86                     |                        |
| 10              | 16QAM      | 25      | 12        | 21.96                    | 21.86                       | 21.85                     |                        |
| 10              | 16QAM      | 25      | 25        | 21.86                    | 21.79                       | 21.74                     | 23.2                   |
| 10              | 16QAM      | 50      | 0         | 21.81                    | 21.83                       | 21.83                     |                        |
| 10              | 64QAM      | 1       | 0         | 22.02                    | 21.96                       | 22.08                     |                        |
| 10              | 64QAM      | 1       | 25        | 22.06                    | 22.20                       | 22.14                     | 22.2                   |
| 10              | 64QAM      | 1       | 49        | 21.95                    | 21.90                       | 21.83                     |                        |
| 10              | 64QAM      | 25      | 0         | 20.83                    | 20.90                       | 20.87                     |                        |
| 10              | 64QAM      | 25      | 12        | 20.93                    | 20.84                       | 20.87                     | 20.2                   |
| 10              | 64QAM      | 25      | 25        | 20.88                    | 20.74                       | 20.76                     |                        |
| 10              | 64QAM      | 50      | 0         | 20.85                    | 20.82                       | 20.84                     |                        |
| 10              | 256QAM     | 1       | 0         | 18.89                    | 18.86                       | 18.90                     | 20.2                   |
| 10              | 256QAM     | 1       | 25        | 18.99                    | 18.94                       | 19.04                     |                        |
| 10              | 256QAM     | 1       | 49        | 18.77                    | 18.81                       | 18.72                     |                        |
| 10              | 256QAM     | 25      | 0         | 18.86                    | 18.91                       | 18.79                     | 20.2                   |
| 10              | 256QAM     | 25      | 12        | 18.95                    | 18.92                       | 18.88                     |                        |
| 10              | 256QAM     | 25      | 25        | 18.87                    | 18.81                       | 18.83                     |                        |
| 10              | 256QAM     | 50      | 0         | 18.87                    | 18.83                       | 18.83                     | Tune-up limit<br>(dBm) |
| Channel         |            |         |           | 23755                    | 23790                       | 23825                     |                        |
| Frequency (MHz) |            |         |           | 706.5                    | 710                         | 713.5                     |                        |
| 5               | QPSK       | 1       | 0         | 23.62                    | 23.55                       | 23.59                     | 25.2                   |
| 5               | QPSK       | 1       | 12        | 23.58                    | 23.51                       | 23.63                     |                        |
| 5               | QPSK       | 1       | 24        | 23.54                    | 23.55                       | 23.46                     |                        |
| 5               | QPSK       | 12      | 0         | 22.69                    | 22.69                       | 22.71                     | 24.2                   |
| 5               | QPSK       | 12      | 7         | 22.80                    | 22.66                       | 22.62                     |                        |
| 5               | QPSK       | 12      | 13        | 22.72                    | 22.61                       | 22.56                     |                        |
| 5               | QPSK       | 25      | 0         | 22.62                    | 22.72                       | 22.71                     | 24.2                   |
| 5               | 16QAM      | 1       | 0         | 22.96                    | 22.79                       | 22.92                     |                        |
| 5               | 16QAM      | 1       | 12        | 23.00                    | 23.00                       | 23.01                     |                        |
| 5               | 16QAM      | 1       | 24        | 22.72                    | 22.72                       | 22.70                     | 23.2                   |
| 5               | 16QAM      | 12      | 0         | 21.64                    | 21.69                       | 21.66                     |                        |
| 5               | 16QAM      | 12      | 7         | 21.83                    | 21.67                       | 21.72                     |                        |
| 5               | 16QAM      | 12      | 13        | 21.66                    | 21.69                       | 21.59                     | 23.2                   |
| 5               | 16QAM      | 25      | 0         | 21.71                    | 21.67                       | 21.66                     |                        |
| 5               | 64QAM      | 1       | 0         | 21.92                    | 21.79                       | 21.92                     |                        |
| 5               | 64QAM      | 1       | 12        | 21.94                    | 22.09                       | 22.02                     | 22.2                   |
| 5               | 64QAM      | 1       | 24        | 21.84                    | 21.76                       | 21.70                     |                        |
| 5               | 64QAM      | 12      | 0         | 20.66                    | 20.75                       | 20.74                     |                        |
| 5               | 64QAM      | 12      | 7         | 20.73                    | 20.68                       | 20.71                     |                        |



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|   |        |    |    |       |       |       |      |
|---|--------|----|----|-------|-------|-------|------|
| 5 | 64QAM  | 12 | 13 | 20.74 | 20.59 | 20.60 | 20.2 |
| 5 | 64QAM  | 25 | 0  | 20.69 | 20.66 | 20.73 |      |
| 5 | 256QAM | 1  | 0  | 18.69 | 18.66 | 18.75 |      |
| 5 | 256QAM | 1  | 12 | 18.79 | 18.84 | 18.86 |      |
| 5 | 256QAM | 1  | 24 | 18.65 | 18.64 | 18.54 |      |
| 5 | 256QAM | 12 | 0  | 18.66 | 18.75 | 18.64 | 20.2 |
| 5 | 256QAM | 12 | 7  | 18.81 | 18.82 | 18.76 |      |
| 5 | 256QAM | 12 | 13 | 18.73 | 18.69 | 18.72 |      |
| 5 | 256QAM | 25 | 0  | 18.68 | 18.64 | 18.64 |      |

## <LTE Band 25\_Ant 1\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 26140                    | 26340                       | 26590                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1905                      |                        |
| 20              | QPSK       | 1       | 0         | 24.15                    | 24.21                       | 24.16                     | 25.2                   |
| 20              | QPSK       | 1       | 49        | 24.14                    | 24.12                       | 24.14                     |                        |
| 20              | QPSK       | 1       | 99        | 24.08                    | 24.13                       | 24.08                     |                        |
| 20              | QPSK       | 50      | 0         | 23.17                    | 23.24                       | 23.15                     | 24.2                   |
| 20              | QPSK       | 50      | 24        | 23.24                    | 23.35                       | 23.21                     |                        |
| 20              | QPSK       | 50      | 50        | 23.23                    | 23.32                       | 23.20                     |                        |
| 20              | QPSK       | 100     | 0         | 23.22                    | 23.23                       | 23.19                     |                        |
| 20              | 16QAM      | 1       | 0         | 23.21                    | 23.13                       | 23.23                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 23.27                    | 23.22                       | 23.22                     |                        |
| 20              | 16QAM      | 1       | 99        | 23.34                    | 23.24                       | 23.22                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.94                    | 22.06                       | 21.98                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 22.06                    | 22.10                       | 21.98                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.05                    | 22.14                       | 22.04                     |                        |
| 20              | 16QAM      | 100     | 0         | 22.01                    | 22.05                       | 21.96                     |                        |
| 20              | 64QAM      | 1       | 0         | 22.04                    | 22.06                       | 22.05                     | 23.2                   |
| 20              | 64QAM      | 1       | 49        | 22.14                    | 22.24                       | 22.06                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.03                    | 22.23                       | 22.15                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.96                    | 21.03                       | 20.98                     | 22.2                   |
| 20              | 64QAM      | 50      | 24        | 21.07                    | 21.15                       | 21.01                     |                        |
| 20              | 64QAM      | 50      | 50        | 21.03                    | 21.10                       | 21.05                     |                        |
| 20              | 64QAM      | 100     | 0         | 21.04                    | 21.04                       | 21.04                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.94                    | 19.11                       | 19.01                     | 20.2                   |
| 20              | 256QAM     | 1       | 49        | 19.08                    | 19.17                       | 19.10                     |                        |
| 20              | 256QAM     | 1       | 99        | 19.22                    | 19.25                       | 19.18                     |                        |
| 20              | 256QAM     | 50      | 0         | 19.01                    | 19.10                       | 19.06                     |                        |
| 20              | 256QAM     | 50      | 24        | 19.06                    | 19.21                       | 19.06                     | 20.2                   |
| 20              | 256QAM     | 50      | 50        | 19.09                    | 19.19                       | 19.08                     |                        |
| 20              | 256QAM     | 100     | 0         | 19.08                    | 19.10                       | 19.10                     |                        |
| Channel         |            |         |           | 26115                    | 26340                       | 26615                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1907.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.99                    | 24.01                       | 24.04                     | 25.2                   |
| 15              | QPSK       | 1       | 37        | 24.00                    | 24.01                       | 23.94                     |                        |
| 15              | QPSK       | 1       | 74        | 23.90                    | 23.96                       | 23.90                     |                        |
| 15              | QPSK       | 36      | 0         | 23.00                    | 23.12                       | 23.02                     | 24.2                   |
| 15              | QPSK       | 36      | 20        | 23.07                    | 23.19                       | 23.05                     |                        |
| 15              | QPSK       | 36      | 39        | 23.13                    | 23.13                       | 23.08                     |                        |
| 15              | QPSK       | 75      | 0         | 23.05                    | 23.11                       | 23.06                     |                        |
| 15              | 16QAM      | 1       | 0         | 23.21                    | 23.22                       | 23.24                     | 24.2                   |
| 15              | 16QAM      | 1       | 37        | 23.28                    | 23.27                       | 23.25                     |                        |
| 15              | 16QAM      | 1       | 74        | 23.22                    | 23.25                       | 23.32                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.96                    | 22.16                       | 22.03                     | 23.2                   |
| 15              | 16QAM      | 36      | 20        | 22.14                    | 22.18                       | 22.02                     |                        |
| 15              | 16QAM      | 36      | 39        | 22.05                    | 22.21                       | 22.13                     |                        |
| 15              | 16QAM      | 75      | 0         | 22.11                    | 22.12                       | 21.99                     |                        |
| 15              | 64QAM      | 1       | 0         | 22.13                    | 22.15                       | 22.05                     | 23.2                   |
| 15              | 64QAM      | 1       | 37        | 22.21                    | 22.24                       | 22.15                     |                        |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 15              | 64QAM  | 1  | 74 | 22.10  | 22.33 | 22.24  | 22.2                |
| 15              | 64QAM  | 36 | 0  | 21.00  | 21.06 | 21.02  |                     |
| 15              | 64QAM  | 36 | 20 | 21.08  | 21.21 | 21.08  |                     |
| 15              | 64QAM  | 36 | 39 | 21.06  | 21.11 | 21.12  |                     |
| 15              | 64QAM  | 75 | 0  | 21.05  | 21.11 | 21.06  | 20.2                |
| 15              | 256QAM | 1  | 0  | 19.02  | 19.11 | 19.08  |                     |
| 15              | 256QAM | 1  | 37 | 19.16  | 19.26 | 19.20  |                     |
| 15              | 256QAM | 1  | 74 | 19.32  | 19.26 | 19.27  |                     |
| 15              | 256QAM | 36 | 0  | 19.08  | 19.19 | 19.14  | 20.2                |
| 15              | 256QAM | 36 | 20 | 19.16  | 19.31 | 19.09  |                     |
| 15              | 256QAM | 36 | 39 | 19.09  | 19.23 | 19.17  |                     |
| 15              | 256QAM | 75 | 0  | 19.10  | 19.13 | 19.15  |                     |
| Channel         |        |    |    | 26090  | 26340 | 26640  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1855   | 1880  | 1910   |                     |
| 10              | QPSK   | 1  | 0  | 23.98  | 24.03 | 24.03  | 25.2                |
| 10              | QPSK   | 1  | 25 | 23.99  | 23.94 | 23.95  |                     |
| 10              | QPSK   | 1  | 49 | 23.91  | 24.01 | 23.90  |                     |
| 10              | QPSK   | 25 | 0  | 23.03  | 23.12 | 22.95  | 24.2                |
| 10              | QPSK   | 25 | 12 | 23.06  | 23.25 | 23.01  |                     |
| 10              | QPSK   | 25 | 25 | 23.11  | 23.20 | 23.14  |                     |
| 10              | QPSK   | 50 | 0  | 23.02  | 23.08 | 23.00  |                     |
| 10              | 16QAM  | 1  | 0  | 23.22  | 23.14 | 23.28  | 24.2                |
| 10              | 16QAM  | 1  | 25 | 23.33  | 23.29 | 23.25  |                     |
| 10              | 16QAM  | 1  | 49 | 23.21  | 23.24 | 23.23  |                     |
| 10              | 16QAM  | 25 | 0  | 21.98  | 22.14 | 22.01  | 23.2                |
| 10              | 16QAM  | 25 | 12 | 22.09  | 22.17 | 22.01  |                     |
| 10              | 16QAM  | 25 | 25 | 22.07  | 22.22 | 22.10  |                     |
| 10              | 16QAM  | 50 | 0  | 22.06  | 22.05 | 22.02  |                     |
| 10              | 64QAM  | 1  | 0  | 22.07  | 22.08 | 22.07  | 23.2                |
| 10              | 64QAM  | 1  | 25 | 22.22  | 22.24 | 22.11  |                     |
| 10              | 64QAM  | 1  | 49 | 22.08  | 22.29 | 22.25  |                     |
| 10              | 64QAM  | 25 | 0  | 21.02  | 21.03 | 21.06  | 22.2                |
| 10              | 64QAM  | 25 | 12 | 21.10  | 21.21 | 21.10  |                     |
| 10              | 64QAM  | 25 | 25 | 21.10  | 21.10 | 21.10  |                     |
| 10              | 64QAM  | 50 | 0  | 21.05  | 21.09 | 21.08  |                     |
| 10              | 256QAM | 1  | 0  | 19.03  | 19.15 | 19.09  | 20.2                |
| 10              | 256QAM | 1  | 25 | 19.13  | 19.23 | 19.16  |                     |
| 10              | 256QAM | 1  | 49 | 19.29  | 19.34 | 19.24  |                     |
| 10              | 256QAM | 25 | 0  | 19.06  | 19.20 | 19.07  | 20.2                |
| 10              | 256QAM | 25 | 12 | 19.13  | 19.28 | 19.12  |                     |
| 10              | 256QAM | 25 | 25 | 19.10  | 19.24 | 19.12  |                     |
| 10              | 256QAM | 50 | 0  | 19.12  | 19.17 | 19.17  |                     |
| Channel         |        |    |    | 26065  | 26340 | 26665  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1912.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.96  | 24.06 | 24.05  | 25.2                |
| 5               | QPSK   | 1  | 12 | 24.01  | 23.94 | 24.02  |                     |
| 5               | QPSK   | 1  | 24 | 23.88  | 23.99 | 23.98  |                     |
| 5               | QPSK   | 12 | 0  | 23.03  | 23.11 | 23.00  | 24.2                |
| 5               | QPSK   | 12 | 7  | 23.05  | 23.24 | 23.10  |                     |
| 5               | QPSK   | 12 | 13 | 23.11  | 23.20 | 23.12  |                     |
| 5               | QPSK   | 25 | 0  | 23.10  | 23.07 | 23.03  |                     |
| 5               | 16QAM  | 1  | 0  | 23.21  | 23.19 | 23.24  | 24.2                |
| 5               | 16QAM  | 1  | 12 | 23.27  | 23.25 | 23.26  |                     |
| 5               | 16QAM  | 1  | 24 | 23.34  | 23.27 | 23.27  |                     |
| 5               | 16QAM  | 12 | 0  | 22.02  | 22.08 | 22.05  | 23.2                |
| 5               | 16QAM  | 12 | 7  | 22.14  | 22.13 | 22.03  |                     |
| 5               | 16QAM  | 12 | 13 | 22.12  | 22.22 | 22.09  |                     |
| 5               | 16QAM  | 25 | 0  | 22.03  | 22.11 | 22.00  |                     |
| 5               | 64QAM  | 1  | 0  | 22.13  | 22.15 | 22.06  | 23.2                |
| 5               | 64QAM  | 1  | 12 | 22.21  | 22.24 | 22.14  |                     |
| 5               | 64QAM  | 1  | 24 | 22.04  | 22.31 | 22.16  |                     |
| 5               | 64QAM  | 12 | 0  | 20.96  | 21.07 | 21.08  | 22.2                |
| 5               | 64QAM  | 12 | 7  | 21.17  | 21.15 | 21.02  |                     |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 5               | 64QAM  | 12 | 13 | 21.06  | 21.17 | 21.14  | 20.2                |
| 5               | 64QAM  | 25 | 0  | 21.04  | 21.13 | 21.08  |                     |
| 5               | 256QAM | 1  | 0  | 19.02  | 19.18 | 19.11  |                     |
| 5               | 256QAM | 1  | 12 | 19.15  | 19.27 | 19.11  |                     |
| 5               | 256QAM | 1  | 24 | 19.30  | 19.26 | 19.26  | 20.2                |
| 5               | 256QAM | 12 | 0  | 19.02  | 19.20 | 19.14  |                     |
| 5               | 256QAM | 12 | 7  | 19.08  | 19.31 | 19.16  |                     |
| 5               | 256QAM | 12 | 13 | 19.18  | 19.28 | 19.17  |                     |
| 5               | 256QAM | 25 | 0  | 19.10  | 19.16 | 19.15  | Tune-up limit (dBm) |
| Channel         |        |    |    | 26055  | 26340 | 26675  |                     |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1913.5 |                     |
| 3               | QPSK   | 1  | 0  | 23.98  | 24.07 | 24.03  | 25.2                |
| 3               | QPSK   | 1  | 8  | 23.97  | 23.92 | 24.01  |                     |
| 3               | QPSK   | 1  | 14 | 23.98  | 23.94 | 23.90  |                     |
| 3               | QPSK   | 8  | 0  | 23.03  | 23.13 | 22.95  | 24.2                |
| 3               | QPSK   | 8  | 4  | 23.12  | 23.15 | 23.04  |                     |
| 3               | QPSK   | 8  | 7  | 23.13  | 23.16 | 23.06  |                     |
| 3               | QPSK   | 15 | 0  | 23.11  | 23.11 | 23.02  | 24.2                |
| 3               | 16QAM  | 1  | 0  | 23.22  | 23.22 | 23.32  |                     |
| 3               | 16QAM  | 1  | 8  | 23.28  | 23.26 | 23.24  |                     |
| 3               | 16QAM  | 1  | 14 | 23.40  | 23.33 | 23.31  | 23.2                |
| 3               | 16QAM  | 8  | 0  | 22.02  | 22.14 | 22.02  |                     |
| 3               | 16QAM  | 8  | 4  | 22.09  | 22.12 | 22.07  |                     |
| 3               | 16QAM  | 8  | 7  | 22.11  | 22.16 | 22.08  | 23.2                |
| 3               | 16QAM  | 15 | 0  | 22.09  | 22.05 | 22.00  |                     |
| 3               | 64QAM  | 1  | 0  | 22.12  | 22.10 | 22.05  |                     |
| 3               | 64QAM  | 1  | 8  | 22.16  | 22.33 | 22.13  | 22.2                |
| 3               | 64QAM  | 1  | 14 | 22.08  | 22.32 | 22.21  |                     |
| 3               | 64QAM  | 8  | 0  | 20.97  | 21.13 | 20.99  |                     |
| 3               | 64QAM  | 8  | 4  | 21.10  | 21.15 | 21.04  | 20.2                |
| 3               | 64QAM  | 8  | 7  | 21.05  | 21.14 | 21.07  |                     |
| 3               | 64QAM  | 15 | 0  | 21.10  | 21.13 | 21.09  |                     |
| 3               | 256QAM | 1  | 0  | 18.94  | 19.11 | 19.04  | 20.2                |
| 3               | 256QAM | 1  | 8  | 19.17  | 19.24 | 19.16  |                     |
| 3               | 256QAM | 1  | 14 | 19.24  | 19.28 | 19.28  |                     |
| 3               | 256QAM | 8  | 0  | 19.07  | 19.18 | 19.14  | 20.2                |
| 3               | 256QAM | 8  | 4  | 19.10  | 19.26 | 19.15  |                     |
| 3               | 256QAM | 8  | 7  | 19.17  | 19.23 | 19.17  |                     |
| 3               | 256QAM | 15 | 0  | 19.13  | 19.15 | 19.15  | Tune-up limit (dBm) |
| Channel         |        |    |    | 26047  | 26340 | 26683  |                     |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1914.3 |                     |
| 1.4             | QPSK   | 1  | 0  | 23.99  | 24.06 | 24.00  | 25.2                |
| 1.4             | QPSK   | 1  | 3  | 24.04  | 23.94 | 23.97  |                     |
| 1.4             | QPSK   | 1  | 5  | 23.95  | 23.98 | 23.91  |                     |
| 1.4             | QPSK   | 3  | 0  | 23.90  | 24.06 | 23.91  |                     |
| 1.4             | QPSK   | 3  | 1  | 24.03  | 23.91 | 23.87  |                     |
| 1.4             | QPSK   | 3  | 3  | 23.85  | 23.91 | 23.83  |                     |
| 1.4             | QPSK   | 6  | 0  | 23.03  | 23.10 | 23.01  | 24.2                |
| 1.4             | 16QAM  | 1  | 0  | 23.14  | 23.22 | 23.01  | 24.2                |
| 1.4             | 16QAM  | 1  | 3  | 23.11  | 23.14 | 23.10  |                     |
| 1.4             | 16QAM  | 1  | 5  | 23.11  | 23.04 | 23.01  |                     |
| 1.4             | 16QAM  | 3  | 0  | 23.30  | 23.18 | 23.31  |                     |
| 1.4             | 16QAM  | 3  | 1  | 23.32  | 23.24 | 23.30  |                     |
| 1.4             | 16QAM  | 3  | 3  | 23.34  | 23.31 | 23.29  |                     |
| 1.4             | 16QAM  | 6  | 0  | 22.02  | 22.10 | 21.98  | 23.2                |
| 1.4             | 64QAM  | 1  | 0  | 22.08  | 22.10 | 22.06  | 23.2                |
| 1.4             | 64QAM  | 1  | 3  | 22.08  | 22.19 | 22.14  |                     |
| 1.4             | 64QAM  | 1  | 5  | 22.01  | 22.14 | 21.98  |                     |
| 1.4             | 64QAM  | 3  | 0  | 22.10  | 22.08 | 22.08  |                     |
| 1.4             | 64QAM  | 3  | 1  | 22.16  | 22.30 | 22.10  |                     |
| 1.4             | 64QAM  | 3  | 3  | 22.08  | 22.26 | 22.24  |                     |
| 1.4             | 64QAM  | 6  | 0  | 21.03  | 21.07 | 21.07  | 22.2                |
| 1.4             | 256QAM | 1  | 0  | 18.94  | 19.15 | 19.04  | 20.2                |



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|     |        |   |   |       |       |       |      |
|-----|--------|---|---|-------|-------|-------|------|
| 1.4 | 256QAM | 1 | 3 | 19.13 | 19.21 | 19.20 |      |
| 1.4 | 256QAM | 1 | 5 | 19.26 | 19.25 | 19.28 |      |
| 1.4 | 256QAM | 3 | 0 | 19.03 | 19.10 | 19.08 |      |
| 1.4 | 256QAM | 3 | 1 | 19.07 | 19.23 | 19.07 |      |
| 1.4 | 256QAM | 3 | 3 | 19.09 | 19.28 | 19.17 |      |
| 1.4 | 256QAM | 6 | 0 | 19.13 | 19.15 | 19.18 | 20.2 |

## <LTE Band 25\_Ant 5\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 26140                    | 26340                       | 26590                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1905                      |                        |
| 20              | QPSK       | 1       | 0         | 24.11                    | 24.19                       | 24.14                     | 25.2                   |
| 20              | QPSK       | 1       | 49        | 24.02                    | 24.08                       | 24.04                     |                        |
| 20              | QPSK       | 1       | 99        | 23.93                    | 23.96                       | 23.96                     |                        |
| 20              | QPSK       | 50      | 0         | 22.89                    | 22.92                       | 22.85                     | 24.2                   |
| 20              | QPSK       | 50      | 24        | 22.85                    | 22.97                       | 22.87                     |                        |
| 20              | QPSK       | 50      | 50        | 22.89                    | 22.98                       | 22.88                     |                        |
| 20              | QPSK       | 100     | 0         | 22.99                    | 23.01                       | 22.95                     | 24.2                   |
| 20              | 16QAM      | 1       | 0         | 22.86                    | 22.90                       | 22.83                     |                        |
| 20              | 16QAM      | 1       | 49        | 22.87                    | 22.93                       | 22.90                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.78                    | 22.82                       | 22.76                     | 23.2                   |
| 20              | 16QAM      | 50      | 0         | 21.89                    | 21.91                       | 21.91                     |                        |
| 20              | 16QAM      | 50      | 24        | 21.94                    | 22.00                       | 22.00                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.94                    | 21.94                       | 21.87                     | 23.2                   |
| 20              | 16QAM      | 100     | 0         | 22.06                    | 22.06                       | 22.04                     |                        |
| 20              | 64QAM      | 1       | 0         | 21.99                    | 22.02                       | 21.95                     |                        |
| 20              | 64QAM      | 1       | 49        | 21.91                    | 21.98                       | 21.93                     | 22.2                   |
| 20              | 64QAM      | 1       | 99        | 21.89                    | 21.94                       | 21.92                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.78                    | 20.88                       | 20.82                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.98                    | 20.98                       | 20.89                     | 20.2                   |
| 20              | 64QAM      | 50      | 50        | 20.91                    | 20.93                       | 20.91                     |                        |
| 20              | 64QAM      | 100     | 0         | 20.92                    | 20.98                       | 20.90                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.64                    | 18.64                       | 18.58                     | 20.2                   |
| 20              | 256QAM     | 1       | 49        | 18.63                    | 18.68                       | 18.66                     |                        |
| 20              | 256QAM     | 1       | 99        | 18.65                    | 18.67                       | 18.65                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.86                    | 18.93                       | 18.89                     | 20.2                   |
| 20              | 256QAM     | 50      | 24        | 18.98                    | 19.07                       | 19.00                     |                        |
| 20              | 256QAM     | 50      | 50        | 19.02                    | 19.02                       | 18.98                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.89                    | 18.99                       | 18.99                     |                        |
| Channel         |            |         |           | 26115                    | 26340                       | 26615                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1907.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.95                    | 24.03                       | 24.03                     | 25.2                   |
| 15              | QPSK       | 1       | 37        | 23.92                    | 23.88                       | 23.88                     |                        |
| 15              | QPSK       | 1       | 74        | 23.78                    | 23.84                       | 23.76                     |                        |
| 15              | QPSK       | 36      | 0         | 22.77                    | 22.76                       | 22.69                     | 24.2                   |
| 15              | QPSK       | 36      | 20        | 22.66                    | 22.82                       | 22.67                     |                        |
| 15              | QPSK       | 36      | 39        | 22.79                    | 22.81                       | 22.78                     |                        |
| 15              | QPSK       | 75      | 0         | 22.84                    | 22.90                       | 22.85                     | 24.2                   |
| 15              | 16QAM      | 1       | 0         | 22.72                    | 22.77                       | 22.66                     |                        |
| 15              | 16QAM      | 1       | 37        | 22.77                    | 22.73                       | 22.72                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.58                    | 22.69                       | 22.59                     | 23.2                   |
| 15              | 16QAM      | 36      | 0         | 21.79                    | 21.77                       | 21.81                     |                        |
| 15              | 16QAM      | 36      | 20        | 21.77                    | 21.87                       | 21.90                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.77                    | 21.76                       | 21.67                     | 23.2                   |
| 15              | 16QAM      | 75      | 0         | 21.89                    | 21.90                       | 21.87                     |                        |
| 15              | 64QAM      | 1       | 0         | 21.82                    | 21.87                       | 21.83                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.80                    | 21.82                       | 21.80                     | 22.2                   |
| 15              | 64QAM      | 1       | 74        | 21.76                    | 21.81                       | 21.77                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.65                    | 20.77                       | 20.65                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.83                    | 20.78                       | 20.78                     |                        |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 15              | 64QAM  | 36 | 39 | 20.72  | 20.79 | 20.79  | 20.2                |
| 15              | 64QAM  | 75 | 0  | 20.73  | 20.80 | 20.74  |                     |
| 15              | 256QAM | 1  | 0  | 18.52  | 18.44 | 18.40  |                     |
| 15              | 256QAM | 1  | 37 | 18.44  | 18.52 | 18.46  |                     |
| 15              | 256QAM | 1  | 74 | 18.50  | 18.55 | 18.54  | 20.2                |
| 15              | 256QAM | 36 | 0  | 18.70  | 18.79 | 18.79  |                     |
| 15              | 256QAM | 36 | 20 | 18.85  | 18.94 | 18.80  |                     |
| 15              | 256QAM | 36 | 39 | 18.89  | 18.92 | 18.82  |                     |
| 15              | 256QAM | 75 | 0  | 18.78  | 18.80 | 18.81  | Tune-up limit (dBm) |
| Channel         |        |    |    | 26090  | 26340 | 26640  |                     |
| Frequency (MHz) |        |    |    | 1855   | 1880  | 1910   | 25.2                |
| 10              | QPSK   | 1  | 0  | 23.99  | 24.01 | 24.00  |                     |
| 10              | QPSK   | 1  | 25 | 23.90  | 23.90 | 23.92  |                     |
| 10              | QPSK   | 1  | 49 | 23.83  | 23.79 | 23.76  |                     |
| 10              | QPSK   | 25 | 0  | 22.77  | 22.78 | 22.68  | 24.2                |
| 10              | QPSK   | 25 | 12 | 22.72  | 22.86 | 22.77  |                     |
| 10              | QPSK   | 25 | 25 | 22.77  | 22.82 | 22.71  |                     |
| 10              | QPSK   | 50 | 0  | 22.87  | 22.86 | 22.82  |                     |
| 10              | 16QAM  | 1  | 0  | 22.69  | 22.72 | 22.63  | 24.2                |
| 10              | 16QAM  | 1  | 25 | 22.71  | 22.75 | 22.79  |                     |
| 10              | 16QAM  | 1  | 49 | 22.62  | 22.65 | 22.58  |                     |
| 10              | 16QAM  | 25 | 0  | 21.72  | 21.74 | 21.75  |                     |
| 10              | 16QAM  | 25 | 12 | 21.82  | 21.81 | 21.85  | 23.2                |
| 10              | 16QAM  | 25 | 25 | 21.80  | 21.79 | 21.73  |                     |
| 10              | 16QAM  | 50 | 0  | 21.94  | 21.89 | 21.87  |                     |
| 10              | 64QAM  | 1  | 0  | 21.89  | 21.86 | 21.83  |                     |
| 10              | 64QAM  | 1  | 25 | 21.77  | 21.85 | 21.77  | 23.2                |
| 10              | 64QAM  | 1  | 49 | 21.70  | 21.79 | 21.80  |                     |
| 10              | 64QAM  | 25 | 0  | 20.63  | 20.68 | 20.66  |                     |
| 10              | 64QAM  | 25 | 12 | 20.82  | 20.87 | 20.71  |                     |
| 10              | 64QAM  | 25 | 25 | 20.72  | 20.81 | 20.79  | 22.2                |
| 10              | 64QAM  | 50 | 0  | 20.82  | 20.83 | 20.77  |                     |
| 10              | 256QAM | 1  | 0  | 18.48  | 18.44 | 18.47  |                     |
| 10              | 256QAM | 1  | 25 | 18.51  | 18.49 | 18.56  |                     |
| 10              | 256QAM | 1  | 49 | 18.50  | 18.52 | 18.45  | 20.2                |
| 10              | 256QAM | 25 | 0  | 18.69  | 18.74 | 18.73  |                     |
| 10              | 256QAM | 25 | 12 | 18.86  | 18.93 | 18.85  |                     |
| 10              | 256QAM | 25 | 25 | 18.86  | 18.88 | 18.86  |                     |
| 10              | 256QAM | 50 | 0  | 18.70  | 18.88 | 18.81  | Tune-up limit (dBm) |
| Channel         |        |    |    | 26065  | 26340 | 26665  |                     |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1912.5 | 25.2                |
| 5               | QPSK   | 1  | 0  | 23.99  | 24.01 | 24.04  |                     |
| 5               | QPSK   | 1  | 12 | 23.83  | 23.92 | 23.89  |                     |
| 5               | QPSK   | 1  | 24 | 23.79  | 23.82 | 23.85  |                     |
| 5               | QPSK   | 12 | 0  | 22.69  | 22.72 | 22.65  | 24.2                |
| 5               | QPSK   | 12 | 7  | 22.71  | 22.86 | 22.73  |                     |
| 5               | QPSK   | 12 | 13 | 22.73  | 22.88 | 22.77  |                     |
| 5               | QPSK   | 25 | 0  | 22.85  | 22.81 | 22.78  |                     |
| 5               | 16QAM  | 1  | 0  | 22.73  | 22.76 | 22.69  | 24.2                |
| 5               | 16QAM  | 1  | 12 | 22.75  | 22.73 | 22.74  |                     |
| 5               | 16QAM  | 1  | 24 | 22.59  | 22.62 | 22.61  |                     |
| 5               | 16QAM  | 12 | 0  | 21.72  | 21.73 | 21.81  |                     |
| 5               | 16QAM  | 12 | 7  | 21.74  | 21.89 | 21.82  | 23.2                |
| 5               | 16QAM  | 12 | 13 | 21.77  | 21.76 | 21.69  |                     |
| 5               | 16QAM  | 25 | 0  | 21.87  | 21.91 | 21.91  |                     |
| 5               | 64QAM  | 1  | 0  | 21.85  | 21.82 | 21.85  |                     |
| 5               | 64QAM  | 1  | 12 | 21.72  | 21.86 | 21.83  | 23.2                |
| 5               | 64QAM  | 1  | 24 | 21.78  | 21.80 | 21.82  |                     |
| 5               | 64QAM  | 12 | 0  | 20.65  | 20.73 | 20.72  |                     |
| 5               | 64QAM  | 12 | 7  | 20.84  | 20.79 | 20.79  |                     |
| 5               | 64QAM  | 12 | 13 | 20.72  | 20.75 | 20.80  | 22.2                |
| 5               | 64QAM  | 25 | 0  | 20.79  | 20.87 | 20.75  |                     |
| 5               | 64QAM  | 25 | 0  | 20.79  | 20.87 | 20.75  |                     |
| 5               | 256QAM | 1  | 0  | 18.50  | 18.51 | 18.39  | 20.2                |



# FCC SAR TEST REPORT

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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 5               | 256QAM | 1  | 12 | 18.51  | 18.52 | 18.48  | 20.2                |
| 5               | 256QAM | 1  | 24 | 18.47  | 18.53 | 18.53  |                     |
| 5               | 256QAM | 12 | 0  | 18.75  | 18.73 | 18.69  |                     |
| 5               | 256QAM | 12 | 7  | 18.84  | 18.96 | 18.88  |                     |
| 5               | 256QAM | 12 | 13 | 18.90  | 18.83 | 18.84  |                     |
| 5               | 256QAM | 25 | 0  | 18.75  | 18.79 | 18.86  | Tune-up limit (dBm) |
| Channel         |        |    |    | 26055  | 26340 | 26675  |                     |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1913.5 |                     |
| 3               | QPSK   | 1  | 0  | 23.91  | 24.09 | 23.96  | 25.2                |
| 3               | QPSK   | 1  | 8  | 23.92  | 23.88 | 23.90  |                     |
| 3               | QPSK   | 1  | 14 | 23.77  | 23.84 | 23.80  |                     |
| 3               | QPSK   | 8  | 0  | 22.73  | 22.73 | 22.70  | 24.2                |
| 3               | QPSK   | 8  | 4  | 22.66  | 22.78 | 22.70  |                     |
| 3               | QPSK   | 8  | 7  | 22.78  | 22.82 | 22.70  |                     |
| 3               | QPSK   | 15 | 0  | 22.89  | 22.81 | 22.77  |                     |
| 3               | 16QAM  | 1  | 0  | 22.75  | 22.71 | 22.63  | 24.2                |
| 3               | 16QAM  | 1  | 8  | 22.69  | 22.77 | 22.77  |                     |
| 3               | 16QAM  | 1  | 14 | 22.67  | 22.69 | 22.66  |                     |
| 3               | 16QAM  | 8  | 0  | 21.73  | 21.74 | 21.71  | 23.2                |
| 3               | 16QAM  | 8  | 4  | 21.78  | 21.88 | 21.83  |                     |
| 3               | 16QAM  | 8  | 7  | 21.77  | 21.76 | 21.67  |                     |
| 3               | 16QAM  | 15 | 0  | 21.91  | 21.95 | 21.87  |                     |
| 3               | 64QAM  | 1  | 0  | 21.80  | 21.87 | 21.77  | 23.2                |
| 3               | 64QAM  | 1  | 8  | 21.72  | 21.82 | 21.81  |                     |
| 3               | 64QAM  | 1  | 14 | 21.72  | 21.81 | 21.79  |                     |
| 3               | 64QAM  | 8  | 0  | 20.62  | 20.69 | 20.68  | 22.2                |
| 3               | 64QAM  | 8  | 4  | 20.87  | 20.80 | 20.69  |                     |
| 3               | 64QAM  | 8  | 7  | 20.74  | 20.78 | 20.72  |                     |
| 3               | 64QAM  | 15 | 0  | 20.77  | 20.87 | 20.73  |                     |
| 3               | 256QAM | 1  | 0  | 18.44  | 18.47 | 18.46  | 20.2                |
| 3               | 256QAM | 1  | 8  | 18.47  | 18.55 | 18.52  |                     |
| 3               | 256QAM | 1  | 14 | 18.46  | 18.51 | 18.52  |                     |
| 3               | 256QAM | 8  | 0  | 18.69  | 18.78 | 18.72  | 20.2                |
| 3               | 256QAM | 8  | 4  | 18.85  | 18.88 | 18.81  |                     |
| 3               | 256QAM | 8  | 7  | 18.91  | 18.82 | 18.81  |                     |
| 3               | 256QAM | 15 | 0  | 18.75  | 18.80 | 18.84  |                     |
| Channel         |        |    |    | 26047  | 26340 | 26683  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1914.3 |                     |
| 1.4             | QPSK   | 1  | 0  | 24.00  | 24.06 | 23.98  | 25.2                |
| 1.4             | QPSK   | 1  | 3  | 23.85  | 23.93 | 23.84  |                     |
| 1.4             | QPSK   | 1  | 5  | 23.76  | 23.77 | 23.86  |                     |
| 1.4             | QPSK   | 3  | 0  | 23.81  | 23.95 | 23.79  |                     |
| 1.4             | QPSK   | 3  | 1  | 23.73  | 23.79 | 23.73  |                     |
| 1.4             | QPSK   | 3  | 3  | 23.59  | 23.61 | 23.70  | 24.2                |
| 1.4             | QPSK   | 6  | 0  | 22.78  | 22.80 | 22.67  |                     |
| 1.4             | 16QAM  | 1  | 0  | 22.71  | 22.82 | 22.71  | 24.2                |
| 1.4             | 16QAM  | 1  | 3  | 22.69  | 22.87 | 22.76  |                     |
| 1.4             | 16QAM  | 1  | 5  | 22.87  | 22.84 | 22.77  |                     |
| 1.4             | 16QAM  | 3  | 0  | 22.76  | 22.75 | 22.65  |                     |
| 1.4             | 16QAM  | 3  | 1  | 22.71  | 22.83 | 22.74  |                     |
| 1.4             | 16QAM  | 3  | 3  | 22.59  | 22.66 | 22.64  |                     |
| 1.4             | 16QAM  | 6  | 0  | 21.76  | 21.73 | 21.72  | 23.2                |
| 1.4             | 64QAM  | 1  | 0  | 21.77  | 21.81 | 21.89  | 23.2                |
| 1.4             | 64QAM  | 1  | 3  | 21.77  | 21.82 | 21.68  |                     |
| 1.4             | 64QAM  | 1  | 5  | 21.86  | 21.88 | 21.88  |                     |
| 1.4             | 64QAM  | 3  | 0  | 21.85  | 21.91 | 21.75  |                     |
| 1.4             | 64QAM  | 3  | 1  | 21.72  | 21.78 | 21.83  |                     |
| 1.4             | 64QAM  | 3  | 3  | 21.76  | 21.84 | 21.78  |                     |
| 1.4             | 64QAM  | 6  | 0  | 20.65  | 20.71 | 20.68  | 22.2                |
| 1.4             | 256QAM | 1  | 0  | 18.47  | 18.54 | 18.38  | 20.2                |
| 1.4             | 256QAM | 1  | 3  | 18.53  | 18.53 | 18.48  |                     |
| 1.4             | 256QAM | 1  | 5  | 18.48  | 18.47 | 18.51  |                     |
| 1.4             | 256QAM | 3  | 0  | 18.72  | 18.83 | 18.74  |                     |



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|     |        |   |   |       |       |       |      |
|-----|--------|---|---|-------|-------|-------|------|
| 1.4 | 256QAM | 3 | 1 | 18.88 | 18.89 | 18.89 |      |
| 1.4 | 256QAM | 3 | 3 | 18.86 | 18.92 | 18.81 |      |
| 1.4 | 256QAM | 6 | 0 | 18.77 | 18.81 | 18.79 | 20.2 |

## <LTE Band 26\_Ant 1\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 26765                    | 26865                       | 26965                     |                        |
| Frequency (MHz) |            |         |           | 821.5                    | 831.5                       | 841.5                     |                        |
| 15              | QPSK       | 1       | 0         | 24.40                    | 24.39                       | 24.42                     | 25.2                   |
| 15              | QPSK       | 1       | 37        | 24.39                    | 24.38                       | 24.36                     |                        |
| 15              | QPSK       | 1       | 74        | 24.34                    | 24.30                       | 24.34                     |                        |
| 15              | QPSK       | 36      | 0         | 23.47                    | 23.38                       | 23.46                     | 24.2                   |
| 15              | QPSK       | 36      | 20        | 23.48                    | 23.51                       | 23.47                     |                        |
| 15              | QPSK       | 36      | 39        | 23.45                    | 23.46                       | 23.35                     |                        |
| 15              | QPSK       | 75      | 0         | 23.52                    | 23.50                       | 23.38                     | 24.2                   |
| 15              | 16QAM      | 1       | 0         | 23.59                    | 23.64                       | 23.70                     |                        |
| 15              | 16QAM      | 1       | 37        | 23.65                    | 23.70                       | 23.68                     |                        |
| 15              | 16QAM      | 1       | 74        | 23.53                    | 23.66                       | 23.55                     | 23.2                   |
| 15              | 16QAM      | 36      | 0         | 22.49                    | 22.43                       | 22.42                     |                        |
| 15              | 16QAM      | 36      | 20        | 22.51                    | 22.52                       | 22.41                     |                        |
| 15              | 16QAM      | 36      | 39        | 22.47                    | 22.45                       | 22.37                     | 23.2                   |
| 15              | 16QAM      | 75      | 0         | 22.48                    | 22.45                       | 22.34                     |                        |
| 15              | 64QAM      | 1       | 0         | 22.56                    | 22.55                       | 22.57                     |                        |
| 15              | 64QAM      | 1       | 37        | 22.73                    | 22.72                       | 22.71                     | 22.2                   |
| 15              | 64QAM      | 1       | 74        | 22.53                    | 22.47                       | 22.50                     |                        |
| 15              | 64QAM      | 36      | 0         | 21.47                    | 21.42                       | 21.43                     |                        |
| 15              | 64QAM      | 36      | 20        | 21.50                    | 21.50                       | 21.41                     | 20.2                   |
| 15              | 64QAM      | 36      | 39        | 21.45                    | 21.44                       | 21.36                     |                        |
| 15              | 64QAM      | 75      | 0         | 21.49                    | 21.49                       | 21.36                     |                        |
| 15              | 256QAM     | 1       | 0         | 19.56                    | 19.50                       | 19.61                     | 20.2                   |
| 15              | 256QAM     | 1       | 37        | 19.61                    | 19.53                       | 19.49                     |                        |
| 15              | 256QAM     | 1       | 74        | 19.29                    | 19.47                       | 19.30                     |                        |
| 15              | 256QAM     | 36      | 0         | 19.46                    | 19.44                       | 19.47                     | 20.2                   |
| 15              | 256QAM     | 36      | 20        | 19.63                    | 19.46                       | 19.48                     |                        |
| 15              | 256QAM     | 36      | 39        | 19.66                    | 19.43                       | 19.43                     |                        |
| 15              | 256QAM     | 75      | 0         | 19.70                    | 19.47                       | 19.44                     |                        |
| Channel         |            |         |           | 26740                    | 26865                       | 26990                     |                        |
| Frequency (MHz) |            |         |           | 819                      | 831.5                       | 844                       |                        |
| 10              | QPSK       | 1       | 0         | 24.20                    | 24.26                       | 24.22                     | 25.2                   |
| 10              | QPSK       | 1       | 25        | 24.24                    | 24.22                       | 24.22                     |                        |
| 10              | QPSK       | 1       | 49        | 24.15                    | 24.18                       | 24.21                     |                        |
| 10              | QPSK       | 25      | 0         | 23.30                    | 23.24                       | 23.28                     | 24.2                   |
| 10              | QPSK       | 25      | 12        | 23.30                    | 23.35                       | 23.28                     |                        |
| 10              | QPSK       | 25      | 25        | 23.26                    | 23.28                       | 23.23                     |                        |
| 10              | QPSK       | 50      | 0         | 23.37                    | 23.31                       | 23.23                     | 24.2                   |
| 10              | 16QAM      | 1       | 0         | 23.47                    | 23.48                       | 23.54                     |                        |
| 10              | 16QAM      | 1       | 25        | 23.47                    | 23.53                       | 23.58                     |                        |
| 10              | 16QAM      | 1       | 49        | 23.42                    | 23.56                       | 23.36                     | 23.2                   |
| 10              | 16QAM      | 25      | 0         | 22.33                    | 22.27                       | 22.23                     |                        |
| 10              | 16QAM      | 25      | 12        | 22.40                    | 22.33                       | 22.29                     |                        |
| 10              | 16QAM      | 25      | 25        | 22.28                    | 22.33                       | 22.19                     | 23.2                   |
| 10              | 16QAM      | 50      | 0         | 22.28                    | 22.32                       | 22.14                     |                        |
| 10              | 64QAM      | 1       | 0         | 22.41                    | 22.41                       | 22.43                     |                        |
| 10              | 64QAM      | 1       | 25        | 22.59                    | 22.53                       | 22.60                     | 22.2                   |
| 10              | 64QAM      | 1       | 49        | 22.34                    | 22.34                       | 22.31                     |                        |
| 10              | 64QAM      | 25      | 0         | 21.36                    | 21.25                       | 21.24                     |                        |
| 10              | 64QAM      | 25      | 12        | 21.31                    | 21.36                       | 21.21                     | 20.2                   |
| 10              | 64QAM      | 25      | 25        | 21.25                    | 21.24                       | 21.16                     |                        |
| 10              | 64QAM      | 50      | 0         | 21.29                    | 21.38                       | 21.26                     |                        |
| 10              | 256QAM     | 1       | 0         | 19.46                    | 19.39                       | 19.51                     | 20.2                   |



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|                 |        |    |    |       |       |       |                     |
|-----------------|--------|----|----|-------|-------|-------|---------------------|
| 10              | 256QAM | 1  | 25 | 19.42 | 19.40 | 19.31 | 20.2                |
| 10              | 256QAM | 1  | 49 | 19.09 | 19.35 | 19.10 |                     |
| 10              | 256QAM | 25 | 0  | 19.33 | 19.33 | 19.29 |                     |
| 10              | 256QAM | 25 | 12 | 19.43 | 19.30 | 19.30 |                     |
| 10              | 256QAM | 25 | 25 | 19.50 | 19.30 | 19.25 |                     |
| 10              | 256QAM | 50 | 0  | 19.52 | 19.32 | 19.31 | Tune-up limit (dBm) |
| Channel         |        |    |    | 26715 | 26865 | 27015 |                     |
| Frequency (MHz) |        |    |    | 816.5 | 831.5 | 846.5 | 25.2                |
| 5               | QPSK   | 1  | 0  | 24.23 | 24.28 | 24.22 |                     |
| 5               | QPSK   | 1  | 12 | 24.28 | 24.22 | 24.18 |                     |
| 5               | QPSK   | 1  | 24 | 24.19 | 24.20 | 24.18 |                     |
| 5               | QPSK   | 12 | 0  | 23.28 | 23.18 | 23.34 |                     |
| 5               | QPSK   | 12 | 7  | 23.33 | 23.41 | 23.35 | 24.2                |
| 5               | QPSK   | 12 | 13 | 23.28 | 23.26 | 23.24 |                     |
| 5               | QPSK   | 25 | 0  | 23.34 | 23.31 | 23.27 |                     |
| 5               | 16QAM  | 1  | 0  | 23.41 | 23.48 | 23.54 | 24.2                |
| 5               | 16QAM  | 1  | 12 | 23.49 | 23.53 | 23.53 |                     |
| 5               | 16QAM  | 1  | 24 | 23.33 | 23.50 | 23.35 |                     |
| 5               | 16QAM  | 12 | 0  | 22.33 | 22.33 | 22.24 | 23.2                |
| 5               | 16QAM  | 12 | 7  | 22.34 | 22.38 | 22.27 |                     |
| 5               | 16QAM  | 12 | 13 | 22.34 | 22.34 | 22.23 |                     |
| 5               | 16QAM  | 25 | 0  | 22.37 | 22.31 | 22.23 | 23.2                |
| 5               | 64QAM  | 1  | 0  | 22.38 | 22.42 | 22.46 |                     |
| 5               | 64QAM  | 1  | 12 | 22.62 | 22.53 | 22.54 |                     |
| 5               | 64QAM  | 1  | 24 | 22.41 | 22.35 | 22.39 | 22.2                |
| 5               | 64QAM  | 12 | 0  | 21.32 | 21.31 | 21.33 |                     |
| 5               | 64QAM  | 12 | 7  | 21.30 | 21.38 | 21.28 |                     |
| 5               | 64QAM  | 12 | 13 | 21.26 | 21.30 | 21.26 | 20.2                |
| 5               | 64QAM  | 25 | 0  | 21.38 | 21.35 | 21.16 |                     |
| 5               | 256QAM | 1  | 0  | 19.37 | 19.33 | 19.43 |                     |
| 5               | 256QAM | 1  | 12 | 19.48 | 19.43 | 19.33 | 20.2                |
| 5               | 256QAM | 1  | 24 | 19.13 | 19.29 | 19.18 |                     |
| 5               | 256QAM | 12 | 0  | 19.35 | 19.31 | 19.34 | 20.2                |
| 5               | 256QAM | 12 | 7  | 19.52 | 19.32 | 19.29 |                     |
| 5               | 256QAM | 12 | 13 | 19.55 | 19.25 | 19.30 |                     |
| 5               | 256QAM | 25 | 0  | 19.52 | 19.33 | 19.27 | Tune-up limit (dBm) |
| Channel         |        |    |    | 26705 | 26865 | 27025 |                     |
| Frequency (MHz) |        |    |    | 815.5 | 831.5 | 847.5 | 25.2                |
| 3               | QPSK   | 1  | 0  | 24.24 | 24.22 | 24.32 |                     |
| 3               | QPSK   | 1  | 8  | 24.21 | 24.20 | 24.20 |                     |
| 3               | QPSK   | 1  | 14 | 24.21 | 24.13 | 24.18 |                     |
| 3               | QPSK   | 8  | 0  | 23.27 | 23.22 | 23.33 | 24.2                |
| 3               | QPSK   | 8  | 4  | 23.37 | 23.33 | 23.33 |                     |
| 3               | QPSK   | 8  | 7  | 23.35 | 23.34 | 23.22 |                     |
| 3               | QPSK   | 15 | 0  | 23.39 | 23.38 | 23.27 | 24.2                |
| 3               | 16QAM  | 1  | 0  | 23.43 | 23.51 | 23.53 |                     |
| 3               | 16QAM  | 1  | 8  | 23.52 | 23.60 | 23.55 |                     |
| 3               | 16QAM  | 1  | 14 | 23.34 | 23.52 | 23.42 | 23.2                |
| 3               | 16QAM  | 8  | 0  | 22.30 | 22.25 | 22.32 |                     |
| 3               | 16QAM  | 8  | 4  | 22.41 | 22.40 | 22.31 |                     |
| 3               | 16QAM  | 8  | 7  | 22.32 | 22.28 | 22.24 | 23.2                |
| 3               | 16QAM  | 15 | 0  | 22.33 | 22.30 | 22.15 |                     |
| 3               | 64QAM  | 1  | 0  | 22.42 | 22.35 | 22.37 |                     |
| 3               | 64QAM  | 1  | 8  | 22.57 | 22.60 | 22.52 | 22.2                |
| 3               | 64QAM  | 1  | 14 | 22.39 | 22.28 | 22.40 |                     |
| 3               | 64QAM  | 8  | 0  | 21.29 | 21.32 | 21.26 |                     |
| 3               | 64QAM  | 8  | 4  | 21.30 | 21.40 | 21.26 | 20.2                |
| 3               | 64QAM  | 8  | 7  | 21.29 | 21.31 | 21.16 |                     |
| 3               | 64QAM  | 15 | 0  | 21.31 | 21.39 | 21.26 |                     |
| 3               | 256QAM | 1  | 0  | 19.44 | 19.30 | 19.42 | 20.2                |
| 3               | 256QAM | 1  | 8  | 19.44 | 19.41 | 19.33 |                     |
| 3               | 256QAM | 1  | 14 | 19.16 | 19.29 | 19.18 |                     |
| 3               | 256QAM | 8  | 0  | 19.30 | 19.34 | 19.32 | 20.2                |



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|                 |        |    |   |       |       |       |                     |
|-----------------|--------|----|---|-------|-------|-------|---------------------|
| 3               | 256QAM | 8  | 4 | 19.53 | 19.36 | 19.36 |                     |
| 3               | 256QAM | 8  | 7 | 19.49 | 19.27 | 19.25 |                     |
| 3               | 256QAM | 15 | 0 | 19.55 | 19.31 | 19.29 |                     |
| Channel         |        |    |   | 26697 | 26865 | 27033 | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |   | 814.7 | 831.5 | 848.3 |                     |
| 1.4             | QPSK   | 1  | 0 | 24.29 | 24.26 | 24.24 | 25.2                |
| 1.4             | QPSK   | 1  | 3 | 24.19 | 24.27 | 24.25 |                     |
| 1.4             | QPSK   | 1  | 5 | 24.15 | 24.14 | 24.19 |                     |
| 1.4             | QPSK   | 3  | 0 | 24.17 | 24.11 | 24.09 |                     |
| 1.4             | QPSK   | 3  | 1 | 24.03 | 24.10 | 24.09 |                     |
| 1.4             | QPSK   | 3  | 3 | 23.95 | 24.02 | 24.09 |                     |
| 1.4             | QPSK   | 6  | 0 | 23.36 | 23.25 | 23.36 | 24.2                |
| 1.4             | 16QAM  | 1  | 0 | 23.29 | 23.31 | 23.32 | 24.2                |
| 1.4             | 16QAM  | 1  | 3 | 23.25 | 23.31 | 23.23 |                     |
| 1.4             | 16QAM  | 1  | 5 | 23.37 | 23.36 | 23.21 |                     |
| 1.4             | 16QAM  | 3  | 0 | 23.43 | 23.53 | 23.56 |                     |
| 1.4             | 16QAM  | 3  | 1 | 23.55 | 23.55 | 23.53 |                     |
| 1.4             | 16QAM  | 3  | 3 | 23.40 | 23.51 | 23.36 | 23.2                |
| 1.4             | 16QAM  | 6  | 0 | 22.35 | 22.25 | 22.27 |                     |
| 1.4             | 64QAM  | 1  | 0 | 22.41 | 22.36 | 22.25 | 23.2                |
| 1.4             | 64QAM  | 1  | 3 | 22.31 | 22.30 | 22.23 |                     |
| 1.4             | 64QAM  | 1  | 5 | 22.34 | 22.30 | 22.22 |                     |
| 1.4             | 64QAM  | 3  | 0 | 22.39 | 22.41 | 22.39 |                     |
| 1.4             | 64QAM  | 3  | 1 | 22.56 | 22.61 | 22.55 |                     |
| 1.4             | 64QAM  | 3  | 3 | 22.36 | 22.32 | 22.34 | 22.2                |
| 1.4             | 64QAM  | 6  | 0 | 21.27 | 21.22 | 21.28 |                     |
| 1.4             | 256QAM | 1  | 0 | 19.38 | 19.38 | 19.41 | 20.2                |
| 1.4             | 256QAM | 1  | 3 | 19.45 | 19.42 | 19.36 |                     |
| 1.4             | 256QAM | 1  | 5 | 19.19 | 19.34 | 19.20 |                     |
| 1.4             | 256QAM | 3  | 0 | 19.30 | 19.30 | 19.27 |                     |
| 1.4             | 256QAM | 3  | 1 | 19.48 | 19.35 | 19.32 |                     |
| 1.4             | 256QAM | 3  | 3 | 19.53 | 19.23 | 19.32 | 20.2                |
| 1.4             | 256QAM | 6  | 0 | 19.51 | 19.32 | 19.25 |                     |



<LTE Band 30\_Ant 5\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 27710                    |                             |                           |                        |
| Frequency (MHz) |            |         |           | 2310                     |                             |                           |                        |
| 10              | QPSK       | 1       | 0         |                          | 23.85                       |                           | 25.2                   |
| 10              | QPSK       | 1       | 25        |                          | 23.79                       |                           |                        |
| 10              | QPSK       | 1       | 49        |                          | 23.74                       |                           |                        |
| 10              | QPSK       | 25      | 0         |                          | 22.89                       |                           | 24.2                   |
| 10              | QPSK       | 25      | 12        |                          | 22.82                       |                           |                        |
| 10              | QPSK       | 25      | 25        |                          | 22.79                       |                           |                        |
| 10              | QPSK       | 50      | 0         |                          | 22.77                       |                           | 24.2                   |
| 10              | 16QAM      | 1       | 0         |                          | 23.10                       |                           |                        |
| 10              | 16QAM      | 1       | 25        |                          | 23.03                       |                           |                        |
| 10              | 16QAM      | 1       | 49        |                          | 22.93                       |                           | 23.2                   |
| 10              | 16QAM      | 25      | 0         |                          | 21.87                       |                           |                        |
| 10              | 16QAM      | 25      | 12        |                          | 21.79                       |                           |                        |
| 10              | 16QAM      | 25      | 25        |                          | 21.77                       |                           | 23.2                   |
| 10              | 16QAM      | 50      | 0         |                          | 21.76                       |                           |                        |
| 10              | 64QAM      | 1       | 0         |                          | 22.05                       |                           |                        |
| 10              | 64QAM      | 1       | 25        |                          | 22.04                       |                           | 23.2                   |
| 10              | 64QAM      | 1       | 49        |                          | 21.89                       |                           |                        |
| 10              | 64QAM      | 25      | 0         |                          | 20.91                       |                           |                        |
| 10              | 64QAM      | 25      | 12        |                          | 20.83                       |                           | 22.2                   |
| 10              | 64QAM      | 25      | 25        |                          | 20.80                       |                           |                        |
| 10              | 64QAM      | 50      | 0         |                          | 20.82                       |                           |                        |
| 10              | 256QAM     | 1       | 0         |                          | 18.91                       |                           | 20.2                   |
| 10              | 256QAM     | 1       | 25        |                          | 18.93                       |                           |                        |
| 10              | 256QAM     | 1       | 49        |                          | 18.81                       |                           |                        |
| 10              | 256QAM     | 25      | 0         |                          | 18.85                       |                           | 20.2                   |
| 10              | 256QAM     | 25      | 12        |                          | 18.85                       |                           |                        |
| 10              | 256QAM     | 25      | 25        |                          | 18.78                       |                           |                        |
| 10              | 256QAM     | 50      | 0         |                          | 18.80                       |                           |                        |
| Channel         |            |         |           | 27685                    | 27710                       | 27735                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2307.5                   | 2310                        | 2312.5                    |                        |
| 5               | QPSK       | 1       | 0         | 23.75                    | 23.74                       | 23.74                     | 25.2                   |
| 5               | QPSK       | 1       | 12        | 23.69                    | 23.59                       | 23.69                     |                        |
| 5               | QPSK       | 1       | 24        | 23.60                    | 23.56                       | 23.60                     |                        |
| 5               | QPSK       | 12      | 0         | 22.75                    | 22.76                       | 22.72                     | 24.2                   |
| 5               | QPSK       | 12      | 7         | 22.71                    | 22.72                       | 22.64                     |                        |
| 5               | QPSK       | 12      | 13        | 22.64                    | 22.67                       | 22.63                     |                        |
| 5               | QPSK       | 25      | 0         | 22.58                    | 22.61                       | 22.57                     | 24.2                   |
| 5               | 16QAM      | 1       | 0         | 22.96                    | 22.99                       | 22.95                     |                        |
| 5               | 16QAM      | 1       | 12        | 22.89                    | 22.92                       | 22.88                     |                        |
| 5               | 16QAM      | 1       | 24        | 22.78                    | 22.74                       | 22.80                     | 23.2                   |
| 5               | 16QAM      | 12      | 0         | 21.70                    | 21.72                       | 21.71                     |                        |
| 5               | 16QAM      | 12      | 7         | 21.69                    | 21.63                       | 21.68                     |                        |
| 5               | 16QAM      | 12      | 13        | 21.65                    | 21.57                       | 21.59                     | 23.2                   |
| 5               | 16QAM      | 25      | 0         | 21.58                    | 21.56                       | 21.60                     |                        |
| 5               | 64QAM      | 1       | 0         | 21.95                    | 21.86                       | 21.95                     |                        |
| 5               | 64QAM      | 1       | 12        | 21.91                    | 21.92                       | 21.88                     | 23.2                   |
| 5               | 64QAM      | 1       | 24        | 21.76                    | 21.77                       | 21.74                     |                        |
| 5               | 64QAM      | 12      | 0         | 20.76                    | 20.71                       | 20.76                     |                        |
| 5               | 64QAM      | 12      | 7         | 20.70                    | 20.69                       | 20.72                     | 22.2                   |
| 5               | 64QAM      | 12      | 13        | 20.60                    | 20.68                       | 20.63                     |                        |
| 5               | 64QAM      | 25      | 0         | 20.69                    | 20.65                       | 20.71                     |                        |
| 5               | 256QAM     | 1       | 0         | 18.80                    | 18.78                       | 18.79                     | 20.2                   |
| 5               | 256QAM     | 1       | 12        | 18.80                    | 18.77                       | 18.80                     |                        |
| 5               | 256QAM     | 1       | 24        | 18.64                    | 18.70                       | 18.71                     |                        |
| 5               | 256QAM     | 12      | 0         | 18.65                    | 18.70                       | 18.65                     | 20.2                   |
| 5               | 256QAM     | 12      | 7         | 18.73                    | 18.70                       | 18.74                     |                        |
| 5               | 256QAM     | 12      | 13        | 18.67                    | 18.58                       | 18.60                     |                        |
| 5               | 256QAM     | 25      | 0         | 18.62                    | 18.70                       | 18.60                     |                        |



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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 37850                    | 38000                       | 38150                     |                        |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |
| 20              | QPSK       | 1       | 0         | 23.34                    | 23.38                       | 23.51                     |                        |
| 20              | QPSK       | 1       | 49        | 23.34                    | 23.34                       | 23.48                     | 25.2                   |
| 20              | QPSK       | 1       | 99        | 23.40                    | 23.42                       | 23.41                     |                        |
| 20              | QPSK       | 50      | 0         | 22.42                    | 22.44                       | 22.50                     |                        |
| 20              | QPSK       | 50      | 24        | 22.35                    | 22.44                       | 22.50                     | 24.2                   |
| 20              | QPSK       | 50      | 50        | 22.38                    | 22.44                       | 22.58                     |                        |
| 20              | QPSK       | 100     | 0         | 22.34                    | 22.46                       | 22.49                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.67                    | 22.71                       | 22.82                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 22.66                    | 22.69                       | 22.78                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.61                    | 22.59                       | 22.71                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.47                    | 21.45                       | 21.50                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 21.38                    | 21.49                       | 21.52                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.37                    | 21.46                       | 21.58                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.37                    | 21.47                       | 21.50                     | 23.2                   |
| 20              | 64QAM      | 1       | 0         | 21.54                    | 21.60                       | 21.68                     |                        |
| 20              | 64QAM      | 1       | 49        | 21.61                    | 21.58                       | 21.70                     |                        |
| 20              | 64QAM      | 1       | 99        | 21.50                    | 21.52                       | 21.64                     | 22.2                   |
| 20              | 64QAM      | 50      | 0         | 20.43                    | 20.48                       | 20.52                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.40                    | 20.48                       | 20.52                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.39                    | 20.47                       | 20.58                     | 20.2                   |
| 20              | 64QAM      | 100     | 0         | 20.37                    | 20.48                       | 20.52                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.44                    | 18.62                       | 18.55                     |                        |
| 20              | 256QAM     | 1       | 49        | 18.54                    | 18.55                       | 18.49                     | 20.2                   |
| 20              | 256QAM     | 1       | 99        | 18.52                    | 18.60                       | 18.48                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.52                    | 18.43                       | 18.41                     | 20.2                   |
| 20              | 256QAM     | 50      | 24        | 18.37                    | 18.38                       | 18.40                     |                        |
| 20              | 256QAM     | 50      | 50        | 18.38                    | 18.32                       | 18.44                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.34                    | 18.40                       | 18.42                     |                        |
| Channel         |            |         |           | 37825                    | 38000                       | 38175                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2577.5                   | 2595                        | 2612.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.26                    | 23.36                       | 23.46                     |                        |
| 15              | QPSK       | 1       | 37        | 23.30                    | 23.33                       | 23.47                     | 25.2                   |
| 15              | QPSK       | 1       | 74        | 23.37                    | 23.33                       | 23.36                     |                        |
| 15              | QPSK       | 36      | 0         | 22.40                    | 22.38                       | 22.42                     | 24.2                   |
| 15              | QPSK       | 36      | 20        | 22.32                    | 22.41                       | 22.39                     |                        |
| 15              | QPSK       | 36      | 39        | 22.29                    | 22.33                       | 22.48                     |                        |
| 15              | QPSK       | 75      | 0         | 22.29                    | 22.38                       | 22.43                     | 24.2                   |
| 15              | 16QAM      | 1       | 0         | 22.61                    | 22.64                       | 22.81                     |                        |
| 15              | 16QAM      | 1       | 37        | 22.58                    | 22.64                       | 22.70                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.57                    | 22.58                       | 22.61                     | 23.2                   |
| 15              | 16QAM      | 36      | 0         | 21.38                    | 21.34                       | 21.43                     |                        |
| 15              | 16QAM      | 36      | 20        | 21.31                    | 21.41                       | 21.42                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.27                    | 21.45                       | 21.52                     | 23.2                   |
| 15              | 16QAM      | 75      | 0         | 21.34                    | 21.36                       | 21.41                     |                        |
| 15              | 64QAM      | 1       | 0         | 21.49                    | 21.50                       | 21.62                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.55                    | 21.47                       | 21.62                     | 23.2                   |
| 15              | 64QAM      | 1       | 74        | 21.40                    | 21.50                       | 21.57                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.33                    | 20.38                       | 20.43                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.39                    | 20.46                       | 20.50                     | 22.2                   |
| 15              | 64QAM      | 36      | 39        | 20.28                    | 20.36                       | 20.54                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.31                    | 20.41                       | 20.47                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.36                    | 18.55                       | 18.54                     | 20.2                   |
| 15              | 256QAM     | 1       | 37        | 18.53                    | 18.44                       | 18.39                     |                        |
| 15              | 256QAM     | 1       | 74        | 18.43                    | 18.50                       | 18.37                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.45                    | 18.33                       | 18.33                     | 20.2                   |
| 15              | 256QAM     | 36      | 20        | 18.36                    | 18.27                       | 18.34                     |                        |
| 15              | 256QAM     | 36      | 39        | 18.28                    | 18.29                       | 18.42                     |                        |



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|                 |        |    |    |        |       |        |                        |
|-----------------|--------|----|----|--------|-------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 18.33  | 18.37 | 18.31  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 37800  | 38000 | 38200  |                        |
| Frequency (MHz) |        |    |    | 2575   | 2595  | 2615   |                        |
| 10              | QPSK   | 1  | 0  | 23.24  | 23.33 | 23.44  | 25.2                   |
| 10              | QPSK   | 1  | 25 | 23.25  | 23.25 | 23.44  |                        |
| 10              | QPSK   | 1  | 49 | 23.34  | 23.38 | 23.37  |                        |
| 10              | QPSK   | 25 | 0  | 22.41  | 22.39 | 22.47  | 24.2                   |
| 10              | QPSK   | 25 | 12 | 22.31  | 22.33 | 22.47  |                        |
| 10              | QPSK   | 25 | 25 | 22.28  | 22.33 | 22.50  |                        |
| 10              | QPSK   | 50 | 0  | 22.25  | 22.45 | 22.39  |                        |
| 10              | 16QAM  | 1  | 0  | 22.61  | 22.63 | 22.79  | 24.2                   |
| 10              | 16QAM  | 1  | 25 | 22.61  | 22.58 | 22.69  |                        |
| 10              | 16QAM  | 1  | 49 | 22.51  | 22.48 | 22.61  |                        |
| 10              | 16QAM  | 25 | 0  | 21.41  | 21.43 | 21.45  | 23.2                   |
| 10              | 16QAM  | 25 | 12 | 21.27  | 21.47 | 21.42  |                        |
| 10              | 16QAM  | 25 | 25 | 21.28  | 21.36 | 21.49  |                        |
| 10              | 16QAM  | 50 | 0  | 21.32  | 21.36 | 21.39  |                        |
| 10              | 64QAM  | 1  | 0  | 21.52  | 21.52 | 21.67  | 23.2                   |
| 10              | 64QAM  | 1  | 25 | 21.54  | 21.54 | 21.64  |                        |
| 10              | 64QAM  | 1  | 49 | 21.39  | 21.44 | 21.60  |                        |
| 10              | 64QAM  | 25 | 0  | 20.40  | 20.45 | 20.50  | 22.2                   |
| 10              | 64QAM  | 25 | 12 | 20.33  | 20.47 | 20.41  |                        |
| 10              | 64QAM  | 25 | 25 | 20.35  | 20.38 | 20.48  |                        |
| 10              | 64QAM  | 50 | 0  | 20.33  | 20.44 | 20.48  |                        |
| 10              | 256QAM | 1  | 0  | 18.43  | 18.59 | 18.48  | 20.2                   |
| 10              | 256QAM | 1  | 25 | 18.48  | 18.53 | 18.42  |                        |
| 10              | 256QAM | 1  | 49 | 18.42  | 18.53 | 18.47  |                        |
| 10              | 256QAM | 25 | 0  | 18.41  | 18.41 | 18.38  | 20.2                   |
| 10              | 256QAM | 25 | 12 | 18.34  | 18.27 | 18.37  |                        |
| 10              | 256QAM | 25 | 25 | 18.28  | 18.29 | 18.43  |                        |
| 10              | 256QAM | 50 | 0  | 18.26  | 18.36 | 18.32  |                        |
| Channel         |        |    |    | 37775  | 38000 | 38225  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 2572.5 | 2595  | 2617.5 |                        |
| 5               | QPSK   | 1  | 0  | 23.27  | 23.27 | 23.50  | 25.2                   |
| 5               | QPSK   | 1  | 12 | 23.28  | 23.28 | 23.40  |                        |
| 5               | QPSK   | 1  | 24 | 23.38  | 23.31 | 23.30  |                        |
| 5               | QPSK   | 12 | 0  | 22.40  | 22.36 | 22.42  | 24.2                   |
| 5               | QPSK   | 12 | 7  | 22.32  | 22.33 | 22.46  |                        |
| 5               | QPSK   | 12 | 13 | 22.27  | 22.41 | 22.53  |                        |
| 5               | QPSK   | 25 | 0  | 22.23  | 22.39 | 22.48  |                        |
| 5               | 16QAM  | 1  | 0  | 22.59  | 22.62 | 22.76  | 24.2                   |
| 5               | 16QAM  | 1  | 12 | 22.64  | 22.64 | 22.69  |                        |
| 5               | 16QAM  | 1  | 24 | 22.54  | 22.58 | 22.70  |                        |
| 5               | 16QAM  | 12 | 0  | 21.46  | 21.42 | 21.48  | 23.2                   |
| 5               | 16QAM  | 12 | 7  | 21.30  | 21.40 | 21.43  |                        |
| 5               | 16QAM  | 12 | 13 | 21.30  | 21.38 | 21.48  |                        |
| 5               | 16QAM  | 25 | 0  | 21.27  | 21.45 | 21.48  |                        |
| 5               | 64QAM  | 1  | 0  | 21.52  | 21.54 | 21.62  | 23.2                   |
| 5               | 64QAM  | 1  | 12 | 21.56  | 21.55 | 21.61  |                        |
| 5               | 64QAM  | 1  | 24 | 21.47  | 21.41 | 21.60  |                        |
| 5               | 64QAM  | 12 | 0  | 20.35  | 20.46 | 20.44  | 22.2                   |
| 5               | 64QAM  | 12 | 7  | 20.31  | 20.47 | 20.48  |                        |
| 5               | 64QAM  | 12 | 13 | 20.36  | 20.39 | 20.52  |                        |
| 5               | 64QAM  | 25 | 0  | 20.28  | 20.38 | 20.48  |                        |
| 5               | 256QAM | 1  | 0  | 18.43  | 18.51 | 18.49  | 20.2                   |
| 5               | 256QAM | 1  | 12 | 18.50  | 18.49 | 18.38  |                        |
| 5               | 256QAM | 1  | 24 | 18.51  | 18.55 | 18.45  |                        |
| 5               | 256QAM | 12 | 0  | 18.50  | 18.38 | 18.33  | 20.2                   |
| 5               | 256QAM | 12 | 7  | 18.32  | 18.34 | 18.32  |                        |
| 5               | 256QAM | 12 | 13 | 18.30  | 18.29 | 18.33  |                        |
| 5               | 256QAM | 25 | 0  | 18.24  | 18.36 | 18.38  |                        |



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<LTE Band 41\_Ant 5\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|
| Channel         |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |
| Frequency (MHz) |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |
| 20              | QPSK       | 1       | 0         | 23.85                 | 23.44                        | 23.68                    | 24.08                         | 24.35                  | 25.2                |
| 20              | QPSK       | 1       | 49        | 23.81                 | 23.40                        | 23.66                    | 23.93                         | 24.21                  |                     |
| 20              | QPSK       | 1       | 99        | 23.69                 | 23.32                        | 23.67                    | 24.06                         | 24.23                  |                     |
| 20              | QPSK       | 50      | 0         | 22.90                 | 22.37                        | 22.66                    | 22.97                         | 23.36                  | 24.2                |
| 20              | QPSK       | 50      | 24        | 22.92                 | 22.39                        | 22.74                    | 23.09                         | 23.37                  |                     |
| 20              | QPSK       | 50      | 50        | 22.76                 | 22.36                        | 22.70                    | 23.07                         | 23.28                  |                     |
| 20              | QPSK       | 100     | 0         | 22.91                 | 22.38                        | 22.73                    | 23.04                         | 23.37                  |                     |
| 20              | 16QAM      | 1       | 0         | 22.85                 | 22.47                        | 22.69                    | 23.03                         | 23.30                  | 24.2                |
| 20              | 16QAM      | 1       | 49        | 22.83                 | 22.49                        | 22.66                    | 22.98                         | 23.26                  |                     |
| 20              | 16QAM      | 1       | 99        | 22.67                 | 22.71                        | 22.71                    | 23.10                         | 23.27                  |                     |
| 20              | 16QAM      | 50      | 0         | 21.94                 | 21.47                        | 21.67                    | 21.96                         | 22.37                  | 23.2                |
| 20              | 16QAM      | 50      | 24        | 21.93                 | 21.42                        | 21.75                    | 22.07                         | 22.36                  |                     |
| 20              | 16QAM      | 50      | 50        | 21.77                 | 21.39                        | 21.75                    | 22.04                         | 22.27                  |                     |
| 20              | 16QAM      | 100     | 0         | 21.90                 | 21.40                        | 21.76                    | 22.06                         | 22.35                  |                     |
| 20              | 64QAM      | 1       | 0         | 21.85                 | 21.36                        | 21.69                    | 21.92                         | 22.36                  | 23.2                |
| 20              | 64QAM      | 1       | 49        | 21.78                 | 21.41                        | 21.66                    | 21.95                         | 22.22                  |                     |
| 20              | 64QAM      | 1       | 99        | 21.62                 | 21.37                        | 21.75                    | 22.11                         | 22.25                  |                     |
| 20              | 64QAM      | 50      | 0         | 20.93                 | 20.49                        | 20.68                    | 20.98                         | 21.36                  | 22.2                |
| 20              | 64QAM      | 50      | 24        | 20.96                 | 20.42                        | 20.78                    | 21.06                         | 21.38                  |                     |
| 20              | 64QAM      | 50      | 50        | 20.80                 | 20.39                        | 20.77                    | 21.07                         | 21.28                  |                     |
| 20              | 64QAM      | 100     | 0         | 20.92                 | 20.41                        | 20.77                    | 21.06                         | 21.35                  |                     |
| 20              | 256QAM     | 1       | 0         | 19.07                 | 18.59                        | 18.74                    | 19.05                         | 19.49                  | 20.2                |
| 20              | 256QAM     | 1       | 49        | 18.91                 | 18.84                        | 18.87                    | 19.09                         | 19.40                  |                     |
| 20              | 256QAM     | 1       | 99        | 18.84                 | 18.85                        | 18.90                    | 19.23                         | 19.29                  |                     |
| 20              | 256QAM     | 50      | 0         | 18.99                 | 18.77                        | 18.79                    | 19.03                         | 19.39                  | 20.2                |
| 20              | 256QAM     | 50      | 24        | 18.98                 | 18.87                        | 18.88                    | 19.16                         | 19.41                  |                     |
| 20              | 256QAM     | 50      | 50        | 18.91                 | 18.71                        | 18.81                    | 19.11                         | 19.34                  |                     |
| 20              | 256QAM     | 100     | 0         | 18.99                 | 18.72                        | 18.81                    | 19.15                         | 19.39                  |                     |
| Channel         |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |
| 15              | QPSK       | 1       | 0         | 23.72                 | 23.30                        | 23.51                    | 23.91                         | 24.21                  | 25.20               |
| 15              | QPSK       | 1       | 37        | 23.64                 | 23.23                        | 23.46                    | 23.79                         | 24.10                  |                     |
| 15              | QPSK       | 1       | 74        | 23.58                 | 23.23                        | 23.48                    | 23.87                         | 24.07                  |                     |
| 15              | QPSK       | 36      | 0         | 22.79                 | 22.22                        | 22.50                    | 22.86                         | 23.16                  | 24.2                |
| 15              | QPSK       | 36      | 20        | 22.75                 | 22.23                        | 22.54                    | 22.92                         | 23.26                  |                     |
| 15              | QPSK       | 36      | 39        | 22.59                 | 22.21                        | 22.58                    | 22.88                         | 23.08                  |                     |
| 15              | QPSK       | 75      | 0         | 22.77                 | 22.26                        | 22.56                    | 22.85                         | 23.21                  | 24.2                |
| 15              | 16QAM      | 1       | 0         | 22.66                 | 22.32                        | 22.53                    | 22.87                         | 23.17                  |                     |
| 15              | 16QAM      | 1       | 37        | 22.63                 | 22.35                        | 22.46                    | 22.87                         | 23.06                  |                     |
| 15              | 16QAM      | 1       | 74        | 22.56                 | 22.59                        | 22.57                    | 22.94                         | 23.17                  | 23.2                |
| 15              | 16QAM      | 36      | 0         | 21.76                 | 21.36                        | 21.52                    | 21.78                         | 22.26                  |                     |
| 15              | 16QAM      | 36      | 20        | 21.83                 | 21.27                        | 21.57                    | 21.90                         | 22.23                  |                     |
| 15              | 16QAM      | 36      | 39        | 21.62                 | 21.24                        | 21.55                    | 21.87                         | 22.09                  | 23.2                |
| 15              | 16QAM      | 75      | 0         | 21.70                 | 21.28                        | 21.62                    | 21.88                         | 22.16                  |                     |
| 15              | 64QAM      | 1       | 0         | 21.65                 | 21.24                        | 21.56                    | 21.79                         | 22.21                  |                     |
| 15              | 64QAM      | 1       | 37        | 21.60                 | 21.31                        | 21.47                    | 21.83                         | 22.08                  | 22.2                |
| 15              | 64QAM      | 1       | 74        | 21.47                 | 21.21                        | 21.65                    | 21.97                         | 22.14                  |                     |
| 15              | 64QAM      | 36      | 0         | 20.77                 | 20.29                        | 20.56                    | 20.80                         | 21.21                  |                     |
| 15              | 64QAM      | 36      | 20        | 20.81                 | 20.25                        | 20.58                    | 20.93                         | 21.25                  | 20.2                |
| 15              | 64QAM      | 36      | 39        | 20.63                 | 20.20                        | 20.60                    | 20.92                         | 21.10                  |                     |
| 15              | 64QAM      | 75      | 0         | 20.82                 | 20.24                        | 20.57                    | 20.89                         | 21.19                  |                     |
| 15              | 256QAM     | 1       | 0         | 18.88                 | 18.39                        | 18.61                    | 18.86                         | 19.39                  | 20.2                |
| 15              | 256QAM     | 1       | 37        | 18.76                 | 18.74                        | 18.72                    | 18.98                         | 19.25                  |                     |
| 15              | 256QAM     | 1       | 74        | 18.68                 | 18.72                        | 18.80                    | 19.10                         | 19.14                  |                     |
| 15              | 256QAM     | 36      | 0         | 18.83                 | 18.62                        | 18.64                    | 18.89                         | 19.28                  | 20.2                |
| 15              | 256QAM     | 36      | 20        | 18.85                 | 18.73                        | 18.68                    | 19.03                         | 19.27                  |                     |
| 15              | 256QAM     | 36      | 39        | 18.80                 | 18.51                        | 18.70                    | 18.92                         | 19.24                  |                     |



# FCC SAR TEST REPORT

Report No. : FA411111B

|                 |        |    |    |        |        |       |         |        |               |
|-----------------|--------|----|----|--------|--------|-------|---------|--------|---------------|
| 15              | 256QAM | 75 | 0  | 18.84  | 18.52  | 18.70 | 18.97   | 19.26  |               |
| Channel         |        |    |    | 39700  | 40160  | 40620 | 41080   | 41540  | Tune-up limit |
| Frequency (MHz) |        |    |    | 2501   | 2547   | 2593  | 2639    | 2685   | (dBm)         |
| 10              | QPSK   | 1  | 0  | 23.65  | 23.31  | 23.58 | 23.90   | 24.16  | 25.20         |
| 10              | QPSK   | 1  | 25 | 23.63  | 23.26  | 23.49 | 23.79   | 24.07  |               |
| 10              | QPSK   | 1  | 49 | 23.52  | 23.32  | 23.55 | 23.91   | 24.05  |               |
| 10              | QPSK   | 25 | 0  | 22.77  | 22.30  | 22.47 | 22.78   | 23.21  | 24.2          |
| 10              | QPSK   | 25 | 12 | 22.76  | 22.25  | 22.59 | 22.96   | 23.17  |               |
| 10              | QPSK   | 25 | 25 | 22.57  | 22.21  | 22.52 | 22.88   | 23.16  |               |
| 10              | QPSK   | 50 | 0  | 22.76  | 22.26  | 22.53 | 22.85   | 23.18  |               |
| 10              | 16QAM  | 1  | 0  | 22.66  | 22.31  | 22.58 | 22.90   | 23.16  | 24.2          |
| 10              | 16QAM  | 1  | 25 | 22.67  | 22.34  | 22.47 | 22.86   | 23.15  |               |
| 10              | 16QAM  | 1  | 49 | 22.56  | 22.55  | 22.51 | 22.94   | 23.11  |               |
| 10              | 16QAM  | 25 | 0  | 21.79  | 21.30  | 21.50 | 21.81   | 22.18  | 23.2          |
| 10              | 16QAM  | 25 | 12 | 21.83  | 21.28  | 21.59 | 21.93   | 22.18  |               |
| 10              | 16QAM  | 25 | 25 | 21.59  | 21.30  | 21.59 | 21.94   | 22.14  |               |
| 10              | 16QAM  | 50 | 0  | 21.75  | 21.23  | 21.57 | 21.87   | 22.23  |               |
| 10              | 64QAM  | 1  | 0  | 21.72  | 21.24  | 21.50 | 21.77   | 22.18  | 23.2          |
| 10              | 64QAM  | 1  | 25 | 21.64  | 21.22  | 21.48 | 21.78   | 22.10  |               |
| 10              | 64QAM  | 1  | 49 | 21.49  | 21.23  | 21.64 | 21.91   | 22.12  |               |
| 10              | 64QAM  | 25 | 0  | 20.79  | 20.34  | 20.55 | 20.78   | 21.20  | 22.2          |
| 10              | 64QAM  | 25 | 12 | 20.82  | 20.26  | 20.58 | 20.90   | 21.19  |               |
| 10              | 64QAM  | 25 | 25 | 20.70  | 20.25  | 20.60 | 20.95   | 21.11  |               |
| 10              | 64QAM  | 50 | 0  | 20.75  | 20.31  | 20.67 | 20.95   | 21.24  |               |
| 10              | 256QAM | 1  | 0  | 18.95  | 18.43  | 18.55 | 18.89   | 19.31  | 20.2          |
| 10              | 256QAM | 1  | 25 | 18.78  | 18.74  | 18.77 | 18.92   | 19.23  |               |
| 10              | 256QAM | 1  | 49 | 18.65  | 18.70  | 18.74 | 19.13   | 19.19  |               |
| 10              | 256QAM | 25 | 0  | 18.85  | 18.60  | 18.63 | 18.90   | 19.23  | 20.2          |
| 10              | 256QAM | 25 | 12 | 18.82  | 18.67  | 18.68 | 19.04   | 19.21  |               |
| 10              | 256QAM | 25 | 25 | 18.76  | 18.54  | 18.69 | 18.92   | 19.17  |               |
| 10              | 256QAM | 50 | 0  | 18.88  | 18.54  | 18.66 | 19.03   | 19.24  |               |
| Channel         |        |    |    | 39675  | 40148  | 40620 | 41093   | 41565  | Tune-up limit |
| Frequency (MHz) |        |    |    | 2498.5 | 2545.8 | 2593  | 2640.30 | 2687.5 | (dBm)         |
| 5               | QPSK   | 1  | 0  | 23.67  | 23.24  | 23.48 | 23.92   | 24.15  | 25.20         |
| 5               | QPSK   | 1  | 12 | 23.71  | 23.25  | 23.50 | 23.76   | 24.10  |               |
| 5               | QPSK   | 1  | 24 | 23.58  | 23.23  | 23.48 | 23.94   | 24.12  |               |
| 5               | QPSK   | 12 | 0  | 22.70  | 22.22  | 22.48 | 22.86   | 23.26  | 24.2          |
| 5               | QPSK   | 12 | 7  | 22.79  | 22.24  | 22.55 | 22.97   | 23.20  |               |
| 5               | QPSK   | 12 | 13 | 22.65  | 22.25  | 22.50 | 22.90   | 23.13  |               |
| 5               | QPSK   | 25 | 0  | 22.73  | 22.20  | 22.60 | 22.91   | 23.27  |               |
| 5               | 16QAM  | 1  | 0  | 22.73  | 22.36  | 22.55 | 22.86   | 23.20  | 24.2          |
| 5               | 16QAM  | 1  | 12 | 22.70  | 22.31  | 22.53 | 22.82   | 23.15  |               |
| 5               | 16QAM  | 1  | 24 | 22.52  | 22.55  | 22.59 | 22.90   | 23.11  |               |
| 5               | 16QAM  | 12 | 0  | 21.78  | 21.27  | 21.51 | 21.84   | 22.27  | 23.2          |
| 5               | 16QAM  | 12 | 7  | 21.77  | 21.25  | 21.63 | 21.87   | 22.17  |               |
| 5               | 16QAM  | 12 | 13 | 21.61  | 21.23  | 21.63 | 21.94   | 22.12  |               |
| 5               | 16QAM  | 25 | 0  | 21.79  | 21.25  | 21.60 | 21.88   | 22.25  |               |
| 5               | 64QAM  | 1  | 0  | 21.67  | 21.22  | 21.56 | 21.79   | 22.26  | 23.2          |
| 5               | 64QAM  | 1  | 12 | 21.58  | 21.28  | 21.48 | 21.84   | 22.08  |               |
| 5               | 64QAM  | 1  | 24 | 21.50  | 21.24  | 21.61 | 21.92   | 22.13  |               |
| 5               | 64QAM  | 12 | 0  | 20.79  | 20.35  | 20.48 | 20.84   | 21.23  | 22.2          |
| 5               | 64QAM  | 12 | 7  | 20.77  | 20.25  | 20.67 | 20.86   | 21.25  |               |
| 5               | 64QAM  | 12 | 13 | 20.69  | 20.29  | 20.59 | 20.93   | 21.12  |               |
| 5               | 64QAM  | 25 | 0  | 20.80  | 20.24  | 20.57 | 20.95   | 21.23  |               |
| 5               | 256QAM | 1  | 0  | 18.89  | 18.39  | 18.58 | 18.88   | 19.33  | 20.2          |
| 5               | 256QAM | 1  | 12 | 18.72  | 18.69  | 18.72 | 18.98   | 19.24  |               |
| 5               | 256QAM | 1  | 24 | 18.70  | 18.75  | 18.79 | 19.12   | 19.15  |               |
| 5               | 256QAM | 12 | 0  | 18.84  | 18.58  | 18.59 | 18.84   | 19.28  | 20.2          |
| 5               | 256QAM | 12 | 7  | 18.79  | 18.70  | 18.71 | 19.06   | 19.23  |               |
| 5               | 256QAM | 12 | 13 | 18.74  | 18.54  | 18.63 | 18.91   | 19.18  |               |
| 5               | 256QAM | 25 | 0  | 18.83  | 18.60  | 18.71 | 19.03   | 19.25  |               |



## &lt;LTE Band 41\_HPUE\_Ant 5\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|
| Channel         |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |
| Frequency (MHz) |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |
| 20              | QPSK       | 1       | 0         | 25.63                 | 25.32                        | 25.51                    | 25.83                         | 26.09                  | 27                  |
| 20              | QPSK       | 1       | 49        | 25.69                 | 25.27                        | 25.49                    | 25.80                         | 25.99                  |                     |
| 20              | QPSK       | 1       | 99        | 25.55                 | 25.21                        | 25.47                    | 25.95                         | 26.07                  |                     |
| 20              | QPSK       | 50      | 0         | 24.79                 | 24.39                        | 24.53                    | 24.86                         | 25.23                  | 26                  |
| 20              | QPSK       | 50      | 24        | 24.82                 | 24.34                        | 24.65                    | 24.94                         | 25.26                  |                     |
| 20              | QPSK       | 50      | 50        | 24.66                 | 24.30                        | 24.61                    | 24.93                         | 25.19                  |                     |
| 20              | QPSK       | 100     | 0         | 24.78                 | 24.31                        | 24.61                    | 24.93                         | 25.24                  |                     |
| 20              | 16QAM      | 1       | 0         | 24.88                 | 24.63                        | 24.79                    | 25.17                         | 25.28                  | 26                  |
| 20              | 16QAM      | 1       | 49        | 24.95                 | 24.65                        | 24.81                    | 25.11                         | 25.26                  |                     |
| 20              | 16QAM      | 1       | 99        | 24.89                 | 24.53                        | 24.86                    | 25.24                         | 25.28                  |                     |
| 20              | 16QAM      | 50      | 0         | 23.82                 | 23.40                        | 23.52                    | 23.85                         | 24.26                  | 25                  |
| 20              | 16QAM      | 50      | 24        | 23.80                 | 23.33                        | 23.63                    | 23.95                         | 24.25                  |                     |
| 20              | 16QAM      | 50      | 50        | 23.67                 | 23.31                        | 23.60                    | 23.94                         | 24.14                  |                     |
| 20              | 16QAM      | 100     | 0         | 23.77                 | 23.31                        | 23.59                    | 23.92                         | 24.22                  |                     |
| 20              | 64QAM      | 1       | 0         | 24.06                 | 23.56                        | 23.82                    | 24.13                         | 24.25                  | 25                  |
| 20              | 64QAM      | 1       | 49        | 23.96                 | 23.54                        | 23.82                    | 24.14                         | 24.15                  |                     |
| 20              | 64QAM      | 1       | 99        | 23.80                 | 23.46                        | 23.78                    | 24.26                         | 24.25                  |                     |
| 20              | 64QAM      | 50      | 0         | 22.83                 | 22.43                        | 22.54                    | 22.87                         | 23.25                  | 24                  |
| 20              | 64QAM      | 50      | 24        | 22.83                 | 22.35                        | 22.65                    | 22.95                         | 23.27                  |                     |
| 20              | 64QAM      | 50      | 50        | 22.69                 | 22.31                        | 22.62                    | 22.96                         | 23.14                  |                     |
| 20              | 64QAM      | 100     | 0         | 22.80                 | 22.32                        | 22.63                    | 22.97                         | 23.23                  |                     |
| 20              | 256QAM     | 1       | 0         | 21.03                 | 20.57                        | 20.75                    | 21.11                         | 21.43                  | 22                  |
| 20              | 256QAM     | 1       | 49        | 20.96                 | 20.61                        | 20.88                    | 21.15                         | 21.31                  |                     |
| 20              | 256QAM     | 1       | 99        | 20.84                 | 20.55                        | 20.89                    | 21.20                         | 21.32                  |                     |
| 20              | 256QAM     | 50      | 0         | 20.93                 | 20.50                        | 20.64                    | 20.97                         | 21.31                  | 22                  |
| 20              | 256QAM     | 50      | 24        | 20.89                 | 20.81                        | 20.75                    | 21.06                         | 21.29                  |                     |
| 20              | 256QAM     | 50      | 50        | 20.79                 | 20.77                        | 20.72                    | 21.04                         | 21.20                  |                     |
| 20              | 256QAM     | 100     | 0         | 20.88                 | 20.80                        | 20.72                    | 21.02                         | 21.28                  |                     |
| Channel         |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |
| 15              | QPSK       | 1       | 0         | 25.52                 | 25.21                        | 25.39                    | 25.66                         | 25.97                  | 27.00               |
| 15              | QPSK       | 1       | 37        | 25.55                 | 25.07                        | 25.31                    | 25.70                         | 25.88                  |                     |
| 15              | QPSK       | 1       | 74        | 25.44                 | 25.03                        | 25.30                    | 25.76                         | 25.88                  |                     |
| 15              | QPSK       | 36      | 0         | 24.61                 | 24.24                        | 24.43                    | 24.66                         | 25.13                  | 26                  |
| 15              | QPSK       | 36      | 20        | 24.62                 | 24.23                        | 24.54                    | 24.76                         | 25.07                  |                     |
| 15              | QPSK       | 36      | 39        | 24.53                 | 24.16                        | 24.49                    | 24.78                         | 24.99                  |                     |
| 15              | QPSK       | 75      | 0         | 24.66                 | 24.18                        | 24.42                    | 24.75                         | 25.11                  | 26                  |
| 15              | 16QAM      | 1       | 0         | 24.70                 | 24.43                        | 24.60                    | 25.05                         | 25.27                  |                     |
| 15              | 16QAM      | 1       | 37        | 24.84                 | 24.54                        | 24.66                    | 24.96                         | 25.21                  |                     |
| 15              | 16QAM      | 1       | 74        | 24.77                 | 24.40                        | 24.75                    | 25.13                         | 25.14                  | 25                  |
| 15              | 16QAM      | 36      | 0         | 23.65                 | 23.25                        | 23.39                    | 23.69                         | 24.06                  |                     |
| 15              | 16QAM      | 36      | 20        | 23.68                 | 23.17                        | 23.43                    | 23.79                         | 24.11                  |                     |
| 15              | 16QAM      | 36      | 39        | 23.55                 | 23.12                        | 23.44                    | 23.84                         | 24.00                  | 25                  |
| 15              | 16QAM      | 75      | 0         | 23.62                 | 23.21                        | 23.44                    | 23.74                         | 24.02                  |                     |
| 15              | 64QAM      | 1       | 0         | 23.93                 | 23.44                        | 23.69                    | 24.01                         | 24.24                  | 25                  |
| 15              | 64QAM      | 1       | 37        | 23.77                 | 23.44                        | 23.72                    | 23.96                         | 24.30                  |                     |
| 15              | 64QAM      | 1       | 74        | 23.61                 | 23.27                        | 23.62                    | 24.13                         | 24.22                  |                     |
| 15              | 64QAM      | 36      | 0         | 22.65                 | 22.25                        | 22.44                    | 22.74                         | 23.08                  | 24                  |
| 15              | 64QAM      | 36      | 20        | 22.73                 | 22.23                        | 22.49                    | 22.79                         | 23.09                  |                     |
| 15              | 64QAM      | 36      | 39        | 22.52                 | 22.20                        | 22.45                    | 22.86                         | 22.94                  |                     |
| 15              | 64QAM      | 75      | 0         | 22.69                 | 22.14                        | 22.45                    | 22.83                         | 23.09                  | 22                  |
| 15              | 256QAM     | 1       | 0         | 20.85                 | 20.42                        | 20.63                    | 20.94                         | 21.24                  |                     |
| 15              | 256QAM     | 1       | 37        | 20.82                 | 20.43                        | 20.70                    | 20.98                         | 21.15                  |                     |
| 15              | 256QAM     | 1       | 74        | 20.65                 | 20.42                        | 20.71                    | 21.10                         | 21.21                  | 22                  |
| 15              | 256QAM     | 36      | 0         | 20.75                 | 20.40                        | 20.49                    | 20.80                         | 21.15                  |                     |
| 15              | 256QAM     | 36      | 20        | 20.79                 | 20.70                        | 20.56                    | 20.87                         | 21.14                  |                     |
| 15              | 256QAM     | 36      | 39        | 20.59                 | 20.57                        | 20.59                    | 20.88                         | 21.05                  |                     |



# FCC SAR TEST REPORT

Report No. : FA411111B

|                 |        |    |    |        |        |       |         |        |               |
|-----------------|--------|----|----|--------|--------|-------|---------|--------|---------------|
| 15              | 256QAM | 75 | 0  | 20.78  | 20.67  | 20.54 | 20.87   | 21.08  |               |
| Channel         |        |    |    | 39700  | 40160  | 40620 | 41080   | 41540  | Tune-up limit |
| Frequency (MHz) |        |    |    | 2501   | 2547   | 2593  | 2639    | 2685   | (dBm)         |
| 10              | QPSK   | 1  | 0  | 25.53  | 25.17  | 25.33 | 25.65   | 25.94  | 27.00         |
| 10              | QPSK   | 1  | 25 | 25.54  | 25.10  | 25.31 | 25.70   | 25.80  |               |
| 10              | QPSK   | 1  | 49 | 25.45  | 25.09  | 25.31 | 25.78   | 25.88  |               |
| 10              | QPSK   | 25 | 0  | 24.68  | 24.20  | 24.34 | 24.69   | 25.10  | 26            |
| 10              | QPSK   | 25 | 12 | 24.68  | 24.14  | 24.51 | 24.77   | 25.09  |               |
| 10              | QPSK   | 25 | 25 | 24.49  | 24.11  | 24.47 | 24.77   | 25.05  |               |
| 10              | QPSK   | 50 | 0  | 24.65  | 24.11  | 24.46 | 24.83   | 25.13  |               |
| 10              | 16QAM  | 1  | 0  | 24.70  | 24.52  | 24.65 | 25.05   | 25.23  | 26            |
| 10              | 16QAM  | 1  | 25 | 24.83  | 24.45  | 24.63 | 24.96   | 25.21  |               |
| 10              | 16QAM  | 1  | 49 | 24.71  | 24.33  | 24.72 | 25.14   | 25.24  |               |
| 10              | 16QAM  | 25 | 0  | 23.69  | 23.28  | 23.33 | 23.66   | 24.10  | 25            |
| 10              | 16QAM  | 25 | 12 | 23.68  | 23.20  | 23.49 | 23.80   | 24.15  |               |
| 10              | 16QAM  | 25 | 25 | 23.54  | 23.19  | 23.40 | 23.81   | 24.03  |               |
| 10              | 16QAM  | 50 | 0  | 23.62  | 23.19  | 23.47 | 23.73   | 24.09  |               |
| 10              | 64QAM  | 1  | 0  | 23.91  | 23.40  | 23.63 | 23.94   | 24.24  | 25            |
| 10              | 64QAM  | 1  | 25 | 23.86  | 23.38  | 23.64 | 24.03   | 24.22  |               |
| 10              | 64QAM  | 1  | 49 | 23.68  | 23.26  | 23.65 | 24.06   | 24.20  |               |
| 10              | 64QAM  | 25 | 0  | 22.69  | 22.29  | 22.37 | 22.76   | 23.10  | 24            |
| 10              | 64QAM  | 25 | 12 | 22.66  | 22.15  | 22.51 | 22.78   | 23.08  |               |
| 10              | 64QAM  | 25 | 25 | 22.53  | 22.12  | 22.49 | 22.84   | 22.95  |               |
| 10              | 64QAM  | 50 | 0  | 22.63  | 22.22  | 22.49 | 22.77   | 23.10  |               |
| 10              | 256QAM | 1  | 0  | 20.89  | 20.45  | 20.55 | 20.99   | 21.24  | 22            |
| 10              | 256QAM | 1  | 25 | 20.77  | 20.48  | 20.78 | 20.98   | 21.18  |               |
| 10              | 256QAM | 1  | 49 | 20.67  | 20.42  | 20.75 | 21.06   | 21.19  |               |
| 10              | 256QAM | 25 | 0  | 20.79  | 20.30  | 20.53 | 20.78   | 21.20  | 22            |
| 10              | 256QAM | 25 | 12 | 20.70  | 20.66  | 20.65 | 20.86   | 21.14  |               |
| 10              | 256QAM | 25 | 25 | 20.59  | 20.60  | 20.58 | 20.86   | 21.00  |               |
| 10              | 256QAM | 50 | 0  | 20.76  | 20.61  | 20.53 | 20.88   | 21.17  |               |
| Channel         |        |    |    | 39675  | 40148  | 40620 | 41093   | 41565  | Tune-up limit |
| Frequency (MHz) |        |    |    | 2498.5 | 2545.8 | 2593  | 2640.30 | 2687.5 | (dBm)         |
| 5               | QPSK   | 1  | 0  | 25.48  | 25.16  | 25.31 | 25.68   | 25.92  | 27.00         |
| 5               | QPSK   | 1  | 12 | 25.57  | 25.15  | 25.35 | 25.67   | 25.79  |               |
| 5               | QPSK   | 1  | 24 | 25.39  | 25.06  | 25.34 | 25.78   | 25.96  |               |
| 5               | QPSK   | 12 | 0  | 24.69  | 24.26  | 24.38 | 24.68   | 25.13  | 26            |
| 5               | QPSK   | 12 | 7  | 24.69  | 24.14  | 24.47 | 24.75   | 25.09  |               |
| 5               | QPSK   | 12 | 13 | 24.48  | 24.10  | 24.48 | 24.81   | 25.06  |               |
| 5               | QPSK   | 25 | 0  | 24.68  | 24.16  | 24.50 | 24.83   | 25.06  |               |
| 5               | 16QAM  | 1  | 0  | 24.76  | 24.53  | 24.64 | 25.02   | 25.19  | 26            |
| 5               | 16QAM  | 1  | 12 | 24.85  | 24.50  | 24.70 | 24.97   | 25.16  |               |
| 5               | 16QAM  | 1  | 24 | 24.70  | 24.42  | 24.67 | 25.06   | 25.27  |               |
| 5               | 16QAM  | 12 | 0  | 23.62  | 23.29  | 23.36 | 23.69   | 24.14  | 25            |
| 5               | 16QAM  | 12 | 7  | 23.70  | 23.18  | 23.46 | 23.80   | 24.06  |               |
| 5               | 16QAM  | 12 | 13 | 23.57  | 23.13  | 23.42 | 23.83   | 23.98  |               |
| 5               | 16QAM  | 25 | 0  | 23.65  | 23.16  | 23.41 | 23.82   | 24.12  |               |
| 5               | 64QAM  | 1  | 0  | 23.91  | 23.36  | 23.67 | 23.96   | 24.29  | 25            |
| 5               | 64QAM  | 1  | 12 | 23.77  | 23.35  | 23.64 | 24.04   | 24.28  |               |
| 5               | 64QAM  | 1  | 24 | 23.61  | 23.27  | 23.66 | 24.06   | 24.23  |               |
| 5               | 64QAM  | 12 | 0  | 22.66  | 22.26  | 22.43 | 22.77   | 23.12  | 24            |
| 5               | 64QAM  | 12 | 7  | 22.70  | 22.23  | 22.49 | 22.83   | 23.08  |               |
| 5               | 64QAM  | 12 | 13 | 22.49  | 22.14  | 22.49 | 22.77   | 22.97  |               |
| 5               | 64QAM  | 25 | 0  | 22.70  | 22.15  | 22.45 | 22.77   | 23.09  |               |
| 5               | 256QAM | 1  | 0  | 20.86  | 20.38  | 20.59 | 20.93   | 21.31  | 22            |
| 5               | 256QAM | 1  | 12 | 20.79  | 20.46  | 20.75 | 20.96   | 21.19  |               |
| 5               | 256QAM | 1  | 24 | 20.67  | 20.37  | 20.69 | 21.00   | 21.17  |               |
| 5               | 256QAM | 12 | 0  | 20.82  | 20.31  | 20.47 | 20.86   | 21.13  | 22            |
| 5               | 256QAM | 12 | 7  | 20.75  | 20.62  | 20.64 | 20.96   | 21.11  |               |
| 5               | 256QAM | 12 | 13 | 20.62  | 20.57  | 20.53 | 20.87   | 21.07  |               |
| 5               | 256QAM | 25 | 0  | 20.69  | 20.61  | 20.54 | 20.89   | 21.08  |               |

&lt;LTE Band 48\_Ant 8\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|-------------------------------|------------------------|---------------------|
| Channel         |            |         |           | 55340                 | 55830                        | 56150                         | 56640                  |                     |
| Frequency (MHz) |            |         |           | 3560                  | 3609                         | 3641                          | 3690                   |                     |
| 20              | QPSK       | 1       | 0         | 22.26                 | 22.39                        | 22.39                         | 22.46                  | 24                  |
| 20              | QPSK       | 1       | 49        | 22.24                 | 22.37                        | 22.38                         | 22.36                  |                     |
| 20              | QPSK       | 1       | 99        | 22.25                 | 22.31                        | 22.33                         | 22.37                  |                     |
| 20              | QPSK       | 50      | 0         | 21.27                 | 21.34                        | 21.35                         | 21.44                  | 23                  |
| 20              | QPSK       | 50      | 24        | 21.33                 | 21.45                        | 21.38                         | 21.50                  |                     |
| 20              | QPSK       | 50      | 50        | 21.34                 | 21.45                        | 21.45                         | 21.51                  |                     |
| 20              | QPSK       | 100     | 0         | 21.31                 | 21.40                        | 21.35                         | 21.51                  |                     |
| 20              | 16QAM      | 1       | 0         | 21.19                 | 21.35                        | 21.32                         | 21.41                  | 23                  |
| 20              | 16QAM      | 1       | 49        | 21.26                 | 21.38                        | 21.42                         | 21.45                  |                     |
| 20              | 16QAM      | 1       | 99        | 21.26                 | 21.37                        | 21.39                         | 21.42                  |                     |
| 20              | 16QAM      | 50      | 0         | 20.28                 | 20.35                        | 20.33                         | 20.40                  | 22                  |
| 20              | 16QAM      | 50      | 24        | 20.33                 | 20.43                        | 20.36                         | 20.48                  |                     |
| 20              | 16QAM      | 50      | 50        | 20.35                 | 20.45                        | 20.43                         | 20.49                  |                     |
| 20              | 16QAM      | 100     | 0         | 20.31                 | 20.43                        | 20.34                         | 20.49                  |                     |
| 20              | 64QAM      | 1       | 0         | 20.12                 | 20.32                        | 20.28                         | 20.34                  | 22                  |
| 20              | 64QAM      | 1       | 49        | 20.17                 | 20.36                        | 20.34                         | 20.41                  |                     |
| 20              | 64QAM      | 1       | 99        | 20.28                 | 20.26                        | 20.34                         | 20.33                  |                     |
| 20              | 64QAM      | 50      | 0         | 19.27                 | 19.32                        | 19.30                         | 19.40                  | 21                  |
| 20              | 64QAM      | 50      | 24        | 19.30                 | 19.44                        | 19.34                         | 19.48                  |                     |
| 20              | 64QAM      | 50      | 50        | 19.34                 | 19.43                        | 19.42                         | 19.48                  |                     |
| 20              | 64QAM      | 100     | 0         | 19.30                 | 19.44                        | 19.33                         | 19.48                  |                     |
| 20              | 256QAM     | 1       | 0         | 17.25                 | 17.38                        | 17.38                         | 17.49                  | 19                  |
| 20              | 256QAM     | 1       | 49        | 17.44                 | 17.42                        | 17.37                         | 17.52                  |                     |
| 20              | 256QAM     | 1       | 99        | 17.49                 | 17.45                        | 17.45                         | 17.56                  |                     |
| 20              | 256QAM     | 50      | 0         | 17.34                 | 17.36                        | 17.44                         | 17.32                  | 19                  |
| 20              | 256QAM     | 50      | 24        | 17.42                 | 17.49                        | 17.46                         | 17.49                  |                     |
| 20              | 256QAM     | 50      | 50        | 17.47                 | 17.48                        | 17.51                         | 17.50                  |                     |
| 20              | 256QAM     | 100     | 0         | 17.50                 | 17.48                        | 17.45                         | 17.43                  |                     |
| Channel         |            |         |           | 55315                 | 55820                        | 56160                         | 56665                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3557.5                | 3608                         | 3642                          | 3692.5                 |                     |
| 15              | QPSK       | 1       | 0         | 22.13                 | 22.21                        | 22.28                         | 22.27                  | 24                  |
| 15              | QPSK       | 1       | 37        | 22.04                 | 22.25                        | 22.20                         | 22.25                  |                     |
| 15              | QPSK       | 1       | 74        | 22.13                 | 22.17                        | 22.21                         | 22.17                  |                     |
| 15              | QPSK       | 36      | 0         | 21.14                 | 21.22                        | 21.16                         | 21.34                  | 23                  |
| 15              | QPSK       | 36      | 20        | 21.23                 | 21.27                        | 21.24                         | 21.38                  |                     |
| 15              | QPSK       | 36      | 39        | 21.16                 | 21.35                        | 21.28                         | 21.34                  |                     |
| 15              | QPSK       | 75      | 0         | 21.11                 | 21.27                        | 21.20                         | 21.37                  |                     |
| 15              | 16QAM      | 1       | 0         | 21.07                 | 21.18                        | 21.20                         | 21.22                  | 23                  |
| 15              | 16QAM      | 1       | 37        | 21.11                 | 21.23                        | 21.26                         | 21.35                  |                     |
| 15              | 16QAM      | 1       | 74        | 21.10                 | 21.26                        | 21.22                         | 21.31                  |                     |
| 15              | 16QAM      | 36      | 0         | 20.15                 | 20.19                        | 20.16                         | 20.22                  | 22                  |
| 15              | 16QAM      | 36      | 20        | 20.14                 | 20.32                        | 20.20                         | 20.33                  |                     |
| 15              | 16QAM      | 36      | 39        | 20.20                 | 20.32                        | 20.25                         | 20.37                  |                     |
| 15              | 16QAM      | 75      | 0         | 20.20                 | 20.30                        | 20.20                         | 20.39                  |                     |
| 15              | 64QAM      | 1       | 0         | 20.01                 | 20.19                        | 20.15                         | 20.16                  | 22                  |
| 15              | 64QAM      | 1       | 37        | 20.06                 | 20.24                        | 20.14                         | 20.25                  |                     |
| 15              | 64QAM      | 1       | 74        | 20.10                 | 20.11                        | 20.15                         | 20.15                  |                     |
| 15              | 64QAM      | 36      | 0         | 19.08                 | 19.15                        | 19.11                         | 19.28                  | 21                  |
| 15              | 64QAM      | 36      | 20        | 19.15                 | 19.32                        | 19.24                         | 19.36                  |                     |
| 15              | 64QAM      | 36      | 39        | 19.21                 | 19.33                        | 19.28                         | 19.28                  |                     |
| 15              | 64QAM      | 75      | 0         | 19.16                 | 19.27                        | 19.14                         | 19.38                  |                     |
| 15              | 256QAM     | 1       | 0         | 17.11                 | 17.27                        | 17.21                         | 17.39                  | 19                  |
| 15              | 256QAM     | 1       | 37        | 17.24                 | 17.22                        | 17.21                         | 17.39                  |                     |
| 15              | 256QAM     | 1       | 74        | 17.38                 | 17.30                        | 17.26                         | 17.44                  |                     |
| 15              | 256QAM     | 36      | 0         | 17.14                 | 17.20                        | 17.28                         | 17.17                  | 19                  |
| 15              | 256QAM     | 36      | 20        | 17.31                 | 17.35                        | 17.26                         | 17.39                  |                     |
| 15              | 256QAM     | 36      | 39        | 17.31                 | 17.34                        | 17.40                         | 17.34                  |                     |



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|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.31  | 17.30  | 17.31  | 17.23  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.16  | 22.28  | 22.22  | 22.27  | 24                     |
| 10              | QPSK   | 1  | 25 | 22.09  | 22.22  | 22.23  | 22.23  |                        |
| 10              | QPSK   | 1  | 49 | 22.06  | 22.17  | 22.17  | 22.23  |                        |
| 10              | QPSK   | 25 | 0  | 21.17  | 21.16  | 21.15  | 21.30  | 23                     |
| 10              | QPSK   | 25 | 12 | 21.20  | 21.34  | 21.20  | 21.40  |                        |
| 10              | QPSK   | 25 | 25 | 21.20  | 21.26  | 21.30  | 21.40  |                        |
| 10              | QPSK   | 50 | 0  | 21.18  | 21.27  | 21.25  | 21.37  |                        |
| 10              | 16QAM  | 1  | 0  | 21.09  | 21.24  | 21.17  | 21.27  | 23                     |
| 10              | 16QAM  | 1  | 25 | 21.06  | 21.21  | 21.25  | 21.27  |                        |
| 10              | 16QAM  | 1  | 49 | 21.09  | 21.25  | 21.28  | 21.28  |                        |
| 10              | 16QAM  | 25 | 0  | 20.16  | 20.23  | 20.19  | 20.26  | 22                     |
| 10              | 16QAM  | 25 | 12 | 20.16  | 20.26  | 20.23  | 20.37  |                        |
| 10              | 16QAM  | 25 | 25 | 20.24  | 20.25  | 20.30  | 20.32  |                        |
| 10              | 16QAM  | 50 | 0  | 20.13  | 20.27  | 20.19  | 20.33  |                        |
| 10              | 64QAM  | 1  | 0  | 20.16  | 20.17  | 20.16  | 20.17  | 22                     |
| 10              | 64QAM  | 1  | 25 | 20.00  | 20.25  | 20.23  | 20.31  |                        |
| 10              | 64QAM  | 1  | 49 | 20.16  | 20.07  | 20.24  | 20.16  |                        |
| 10              | 64QAM  | 25 | 0  | 19.12  | 19.20  | 19.16  | 19.21  | 21                     |
| 10              | 64QAM  | 25 | 12 | 19.13  | 19.33  | 19.14  | 19.28  |                        |
| 10              | 64QAM  | 25 | 25 | 19.21  | 19.26  | 19.26  | 19.28  |                        |
| 10              | 64QAM  | 50 | 0  | 19.18  | 19.33  | 19.16  | 19.38  |                        |
| 10              | 256QAM | 1  | 0  | 17.08  | 17.22  | 17.18  | 17.38  | 19                     |
| 10              | 256QAM | 1  | 25 | 17.29  | 17.31  | 17.22  | 17.32  |                        |
| 10              | 256QAM | 1  | 49 | 17.32  | 17.31  | 17.26  | 17.41  |                        |
| 10              | 256QAM | 25 | 0  | 17.16  | 17.17  | 17.29  | 17.17  | 19                     |
| 10              | 256QAM | 25 | 12 | 17.26  | 17.37  | 17.26  | 17.39  |                        |
| 10              | 256QAM | 25 | 25 | 17.31  | 17.31  | 17.40  | 17.30  |                        |
| 10              | 256QAM | 50 | 0  | 17.34  | 17.28  | 17.31  | 17.30  |                        |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.06  | 22.25  | 22.22  | 22.36  | 24                     |
| 5               | QPSK   | 1  | 12 | 22.05  | 22.27  | 22.20  | 22.24  |                        |
| 5               | QPSK   | 1  | 24 | 22.13  | 22.11  | 22.14  | 22.22  |                        |
| 5               | QPSK   | 12 | 0  | 21.13  | 21.14  | 21.15  | 21.26  | 23                     |
| 5               | QPSK   | 12 | 7  | 21.21  | 21.27  | 21.19  | 21.39  |                        |
| 5               | QPSK   | 12 | 13 | 21.20  | 21.27  | 21.33  | 21.33  |                        |
| 5               | QPSK   | 25 | 0  | 21.19  | 21.27  | 21.18  | 21.40  |                        |
| 5               | 16QAM  | 1  | 0  | 21.02  | 21.20  | 21.17  | 21.22  | 23                     |
| 5               | 16QAM  | 1  | 12 | 21.15  | 21.21  | 21.24  | 21.31  |                        |
| 5               | 16QAM  | 1  | 24 | 21.08  | 21.25  | 21.20  | 21.31  |                        |
| 5               | 16QAM  | 12 | 0  | 20.09  | 20.25  | 20.19  | 20.22  | 22                     |
| 5               | 16QAM  | 12 | 7  | 20.17  | 20.31  | 20.19  | 20.30  |                        |
| 5               | 16QAM  | 12 | 13 | 20.24  | 20.33  | 20.23  | 20.39  |                        |
| 5               | 16QAM  | 25 | 0  | 20.18  | 20.25  | 20.21  | 20.38  |                        |
| 5               | 64QAM  | 1  | 0  | 20.15  | 20.14  | 20.11  | 20.18  | 22                     |
| 5               | 64QAM  | 1  | 12 | 20.02  | 20.21  | 20.23  | 20.31  |                        |
| 5               | 64QAM  | 1  | 24 | 20.15  | 20.15  | 20.15  | 20.17  |                        |
| 5               | 64QAM  | 12 | 0  | 19.10  | 19.17  | 19.19  | 19.25  | 21                     |
| 5               | 64QAM  | 12 | 7  | 19.12  | 19.34  | 19.17  | 19.35  |                        |
| 5               | 64QAM  | 12 | 13 | 19.19  | 19.27  | 19.31  | 19.37  |                        |
| 5               | 64QAM  | 25 | 0  | 19.16  | 19.32  | 19.23  | 19.32  |                        |
| 5               | 256QAM | 1  | 0  | 17.07  | 17.26  | 17.19  | 17.35  | 19                     |
| 5               | 256QAM | 1  | 12 | 17.29  | 17.28  | 17.26  | 17.36  |                        |
| 5               | 256QAM | 1  | 24 | 17.30  | 17.28  | 17.33  | 17.46  |                        |
| 5               | 256QAM | 12 | 0  | 17.23  | 17.23  | 17.33  | 17.21  | 19                     |
| 5               | 256QAM | 12 | 7  | 17.23  | 17.31  | 17.30  | 17.38  |                        |
| 5               | 256QAM | 12 | 13 | 17.28  | 17.37  | 17.34  | 17.33  |                        |
| 5               | 256QAM | 25 | 0  | 17.37  | 17.28  | 17.25  | 17.33  |                        |



&lt;LTE Band 48\_Ant 9\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|-------------------------------|------------------------|---------------------|
| Channel         |            |         |           | 55340                 | 55830                        | 56150                         | 56640                  |                     |
| Frequency (MHz) |            |         |           | 3560                  | 3609                         | 3641                          | 3690                   |                     |
| 20              | QPSK       | 1       | 0         | 22.39                 | 22.71                        | 22.87                         | 23.00                  | 24                  |
| 20              | QPSK       | 1       | 49        | 22.66                 | 22.68                        | 22.73                         | 22.83                  |                     |
| 20              | QPSK       | 1       | 99        | 22.69                 | 22.68                        | 22.65                         | 22.74                  |                     |
| 20              | QPSK       | 50      | 0         | 21.69                 | 21.74                        | 21.70                         | 21.84                  | 23                  |
| 20              | QPSK       | 50      | 24        | 21.65                 | 21.65                        | 21.70                         | 21.83                  |                     |
| 20              | QPSK       | 50      | 50        | 21.64                 | 21.62                        | 21.67                         | 21.75                  |                     |
| 20              | QPSK       | 100     | 0         | 21.66                 | 21.75                        | 21.73                         | 21.78                  |                     |
| 20              | 16QAM      | 1       | 0         | 21.89                 | 21.95                        | 21.93                         | 22.02                  | 23                  |
| 20              | 16QAM      | 1       | 49        | 22.03                 | 21.99                        | 21.96                         | 22.06                  |                     |
| 20              | 16QAM      | 1       | 99        | 21.93                 | 21.91                        | 21.94                         | 21.96                  |                     |
| 20              | 16QAM      | 50      | 0         | 20.68                 | 20.74                        | 20.74                         | 20.81                  | 22                  |
| 20              | 16QAM      | 50      | 24        | 20.72                 | 20.66                        | 20.65                         | 20.81                  |                     |
| 20              | 16QAM      | 50      | 50        | 20.60                 | 20.64                        | 20.61                         | 20.75                  |                     |
| 20              | 16QAM      | 100     | 0         | 20.62                 | 20.63                        | 20.66                         | 20.79                  |                     |
| 20              | 64QAM      | 1       | 0         | 21.00                 | 20.96                        | 20.93                         | 21.07                  | 22                  |
| 20              | 64QAM      | 1       | 49        | 20.94                 | 21.00                        | 20.95                         | 21.07                  |                     |
| 20              | 64QAM      | 1       | 99        | 20.86                 | 20.88                        | 20.86                         | 20.97                  |                     |
| 20              | 64QAM      | 50      | 0         | 19.75                 | 19.74                        | 19.78                         | 19.83                  | 21                  |
| 20              | 64QAM      | 50      | 24        | 19.65                 | 19.62                        | 19.62                         | 19.77                  |                     |
| 20              | 64QAM      | 50      | 50        | 19.60                 | 19.58                        | 19.67                         | 19.68                  |                     |
| 20              | 64QAM      | 100     | 0         | 19.68                 | 19.68                        | 19.72                         | 19.81                  |                     |
| 20              | 256QAM     | 1       | 0         | 17.52                 | 17.49                        | 17.54                         | 17.67                  | 19                  |
| 20              | 256QAM     | 1       | 49        | 17.61                 | 17.61                        | 17.56                         | 17.70                  |                     |
| 20              | 256QAM     | 1       | 99        | 17.68                 | 17.68                        | 17.73                         | 17.80                  |                     |
| 20              | 256QAM     | 50      | 0         | 17.70                 | 17.61                        | 17.67                         | 17.71                  | 19                  |
| 20              | 256QAM     | 50      | 24        | 17.69                 | 17.76                        | 17.71                         | 17.87                  |                     |
| 20              | 256QAM     | 50      | 50        | 17.71                 | 17.79                        | 17.80                         | 17.85                  |                     |
| 20              | 256QAM     | 100     | 0         | 17.74                 | 17.76                        | 17.75                         | 17.94                  |                     |
| Channel         |            |         |           | 55315                 | 55820                        | 56160                         | 56665                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3557.5                | 3608                         | 3642                          | 3692.5                 |                     |
| 15              | QPSK       | 1       | 0         | 22.24                 | 22.59                        | 22.75                         | 22.88                  | 24                  |
| 15              | QPSK       | 1       | 37        | 22.53                 | 22.56                        | 22.59                         | 22.70                  |                     |
| 15              | QPSK       | 1       | 74        | 22.51                 | 22.50                        | 22.52                         | 22.64                  |                     |
| 15              | QPSK       | 36      | 0         | 21.59                 | 21.54                        | 21.53                         | 21.74                  | 23                  |
| 15              | QPSK       | 36      | 20        | 21.51                 | 21.53                        | 21.58                         | 21.70                  |                     |
| 15              | QPSK       | 36      | 39        | 21.49                 | 21.50                        | 21.53                         | 21.55                  |                     |
| 15              | QPSK       | 75      | 0         | 21.56                 | 21.55                        | 21.54                         | 21.61                  |                     |
| 15              | 16QAM      | 1       | 0         | 21.74                 | 21.77                        | 21.78                         | 21.82                  | 23                  |
| 15              | 16QAM      | 1       | 37        | 21.91                 | 21.82                        | 21.86                         | 21.89                  |                     |
| 15              | 16QAM      | 1       | 74        | 21.75                 | 21.71                        | 21.84                         | 21.81                  |                     |
| 15              | 16QAM      | 36      | 0         | 20.53                 | 20.54                        | 20.54                         | 20.68                  | 22                  |
| 15              | 16QAM      | 36      | 20        | 20.56                 | 20.51                        | 20.55                         | 20.62                  |                     |
| 15              | 16QAM      | 36      | 39        | 20.48                 | 20.44                        | 20.49                         | 20.58                  |                     |
| 15              | 16QAM      | 75      | 0         | 20.44                 | 20.48                        | 20.53                         | 20.68                  |                     |
| 15              | 64QAM      | 1       | 0         | 20.87                 | 20.83                        | 20.82                         | 20.88                  | 22                  |
| 15              | 64QAM      | 1       | 37        | 20.81                 | 20.81                        | 20.85                         | 20.92                  |                     |
| 15              | 64QAM      | 1       | 74        | 20.75                 | 20.68                        | 20.70                         | 20.86                  |                     |
| 15              | 64QAM      | 36      | 0         | 19.65                 | 19.59                        | 19.61                         | 19.71                  | 21                  |
| 15              | 64QAM      | 36      | 20        | 19.54                 | 19.47                        | 19.49                         | 19.63                  |                     |
| 15              | 64QAM      | 36      | 39        | 19.42                 | 19.39                        | 19.53                         | 19.57                  |                     |
| 15              | 64QAM      | 75      | 0         | 19.56                 | 19.55                        | 19.53                         | 19.65                  |                     |
| 15              | 256QAM     | 1       | 0         | 17.41                 | 17.35                        | 17.44                         | 17.50                  | 19                  |
| 15              | 256QAM     | 1       | 37        | 17.43                 | 17.50                        | 17.46                         | 17.50                  |                     |
| 15              | 256QAM     | 1       | 74        | 17.58                 | 17.56                        | 17.59                         | 17.62                  |                     |
| 15              | 256QAM     | 36      | 0         | 17.55                 | 17.47                        | 17.48                         | 17.60                  | 19                  |
| 15              | 256QAM     | 36      | 20        | 17.55                 | 17.57                        | 17.57                         | 17.75                  |                     |
| 15              | 256QAM     | 36      | 39        | 17.59                 | 17.64                        | 17.60                         | 17.69                  |                     |



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|                 |        |    |    |        |        |        |        |               |
|-----------------|--------|----|----|--------|--------|--------|--------|---------------|
| 15              | 256QAM | 75 | 0  | 17.56  | 17.61  | 17.61  | 17.81  |               |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  | Tune-up limit |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   | (dBm)         |
| 10              | QPSK   | 1  | 0  | 22.22  | 22.51  | 22.73  | 22.83  | 24            |
| 10              | QPSK   | 1  | 25 | 22.48  | 22.48  | 22.61  | 22.67  |               |
| 10              | QPSK   | 1  | 49 | 22.53  | 22.51  | 22.49  | 22.64  |               |
| 10              | QPSK   | 25 | 0  | 21.54  | 21.57  | 21.50  | 21.70  | 23            |
| 10              | QPSK   | 25 | 12 | 21.46  | 21.45  | 21.59  | 21.67  |               |
| 10              | QPSK   | 25 | 25 | 21.54  | 21.48  | 21.55  | 21.65  |               |
| 10              | QPSK   | 50 | 0  | 21.48  | 21.56  | 21.62  | 21.64  |               |
| 10              | 16QAM  | 1  | 0  | 21.75  | 21.77  | 21.76  | 21.88  | 23            |
| 10              | 16QAM  | 1  | 25 | 21.86  | 21.80  | 21.80  | 21.95  |               |
| 10              | 16QAM  | 1  | 49 | 21.78  | 21.78  | 21.79  | 21.77  |               |
| 10              | 16QAM  | 25 | 0  | 20.56  | 20.63  | 20.56  | 20.70  | 22            |
| 10              | 16QAM  | 25 | 12 | 20.56  | 20.49  | 20.45  | 20.66  |               |
| 10              | 16QAM  | 25 | 25 | 20.44  | 20.48  | 20.42  | 20.62  |               |
| 10              | 16QAM  | 50 | 0  | 20.45  | 20.53  | 20.53  | 20.65  |               |
| 10              | 64QAM  | 1  | 0  | 20.86  | 20.76  | 20.80  | 20.97  | 22            |
| 10              | 64QAM  | 1  | 25 | 20.83  | 20.86  | 20.80  | 20.94  |               |
| 10              | 64QAM  | 1  | 49 | 20.73  | 20.70  | 20.69  | 20.78  |               |
| 10              | 64QAM  | 25 | 0  | 19.56  | 19.54  | 19.59  | 19.66  | 21            |
| 10              | 64QAM  | 25 | 12 | 19.48  | 19.51  | 19.51  | 19.65  |               |
| 10              | 64QAM  | 25 | 25 | 19.43  | 19.40  | 19.53  | 19.50  |               |
| 10              | 64QAM  | 50 | 0  | 19.57  | 19.54  | 19.61  | 19.66  |               |
| 10              | 256QAM | 1  | 0  | 17.39  | 17.31  | 17.35  | 17.57  | 19            |
| 10              | 256QAM | 1  | 25 | 17.44  | 17.51  | 17.38  | 17.56  |               |
| 10              | 256QAM | 1  | 49 | 17.52  | 17.49  | 17.53  | 17.70  |               |
| 10              | 256QAM | 25 | 0  | 17.51  | 17.43  | 17.49  | 17.57  | 19            |
| 10              | 256QAM | 25 | 12 | 17.56  | 17.62  | 17.51  | 17.71  |               |
| 10              | 256QAM | 25 | 25 | 17.55  | 17.67  | 17.63  | 17.71  |               |
| 10              | 256QAM | 50 | 0  | 17.58  | 17.66  | 17.63  | 17.79  |               |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  | Tune-up limit |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 | (dBm)         |
| 5               | QPSK   | 1  | 0  | 22.22  | 22.59  | 22.74  | 22.88  | 24            |
| 5               | QPSK   | 1  | 12 | 22.47  | 22.56  | 22.56  | 22.70  |               |
| 5               | QPSK   | 1  | 24 | 22.51  | 22.57  | 22.50  | 22.59  |               |
| 5               | QPSK   | 12 | 0  | 21.49  | 21.54  | 21.58  | 21.65  | 23            |
| 5               | QPSK   | 12 | 7  | 21.52  | 21.54  | 21.57  | 21.70  |               |
| 5               | QPSK   | 12 | 13 | 21.54  | 21.48  | 21.55  | 21.55  |               |
| 5               | QPSK   | 25 | 0  | 21.50  | 21.61  | 21.55  | 21.64  |               |
| 5               | 16QAM  | 1  | 0  | 21.77  | 21.75  | 21.73  | 21.91  | 23            |
| 5               | 16QAM  | 1  | 12 | 21.86  | 21.79  | 21.79  | 21.88  |               |
| 5               | 16QAM  | 1  | 24 | 21.83  | 21.74  | 21.80  | 21.81  |               |
| 5               | 16QAM  | 12 | 0  | 20.50  | 20.55  | 20.57  | 20.69  | 22            |
| 5               | 16QAM  | 12 | 7  | 20.62  | 20.47  | 20.52  | 20.70  |               |
| 5               | 16QAM  | 12 | 13 | 20.45  | 20.45  | 20.51  | 20.61  |               |
| 5               | 16QAM  | 25 | 0  | 20.45  | 20.45  | 20.47  | 20.62  |               |
| 5               | 64QAM  | 1  | 0  | 20.88  | 20.81  | 20.81  | 20.95  | 22            |
| 5               | 64QAM  | 1  | 12 | 20.74  | 20.86  | 20.77  | 20.95  |               |
| 5               | 64QAM  | 1  | 24 | 20.70  | 20.72  | 20.75  | 20.84  |               |
| 5               | 64QAM  | 12 | 0  | 19.58  | 19.64  | 19.68  | 19.67  | 21            |
| 5               | 64QAM  | 12 | 7  | 19.53  | 19.52  | 19.45  | 19.57  |               |
| 5               | 64QAM  | 12 | 13 | 19.48  | 19.40  | 19.57  | 19.57  |               |
| 5               | 64QAM  | 25 | 0  | 19.51  | 19.48  | 19.53  | 19.62  |               |
| 5               | 256QAM | 1  | 0  | 17.37  | 17.32  | 17.43  | 17.53  | 19            |
| 5               | 256QAM | 1  | 12 | 17.46  | 17.51  | 17.43  | 17.57  |               |
| 5               | 256QAM | 1  | 24 | 17.54  | 17.50  | 17.55  | 17.60  |               |
| 5               | 256QAM | 12 | 0  | 17.53  | 17.50  | 17.57  | 17.59  | 19            |
| 5               | 256QAM | 12 | 7  | 17.54  | 17.60  | 17.53  | 17.74  |               |
| 5               | 256QAM | 12 | 13 | 17.60  | 17.67  | 17.69  | 17.68  |               |
| 5               | 256QAM | 25 | 0  | 17.60  | 17.61  | 17.59  | 17.81  |               |



&lt;LTE Band 66\_Ant 1\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 132072                | 132322                   | 132572                 |                     |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |
| 20              | QPSK       | 1       | 0         | 23.76                 | 24.10                    | 23.99                  | 25.2                |
| 20              | QPSK       | 1       | 49        | 23.75                 | 24.03                    | 23.93                  |                     |
| 20              | QPSK       | 1       | 99        | 23.74                 | 24.04                    | 23.91                  |                     |
| 20              | QPSK       | 50      | 0         | 22.76                 | 23.06                    | 23.05                  | 24.2                |
| 20              | QPSK       | 50      | 24        | 22.81                 | 23.03                    | 23.05                  |                     |
| 20              | QPSK       | 50      | 50        | 22.86                 | 23.15                    | 23.14                  |                     |
| 20              | QPSK       | 100     | 0         | 22.82                 | 23.03                    | 23.01                  |                     |
| 20              | 16QAM      | 1       | 0         | 22.99                 | 23.21                    | 23.34                  | 24.2                |
| 20              | 16QAM      | 1       | 49        | 23.07                 | 23.28                    | 23.38                  |                     |
| 20              | 16QAM      | 1       | 99        | 23.16                 | 23.38                    | 23.17                  |                     |
| 20              | 16QAM      | 50      | 0         | 21.79                 | 22.01                    | 22.03                  | 23.2                |
| 20              | 16QAM      | 50      | 24        | 21.83                 | 22.07                    | 22.06                  |                     |
| 20              | 16QAM      | 50      | 50        | 21.86                 | 22.13                    | 22.10                  |                     |
| 20              | 16QAM      | 100     | 0         | 21.86                 | 22.06                    | 22.06                  |                     |
| 20              | 64QAM      | 1       | 0         | 22.08                 | 22.12                    | 22.27                  | 23.2                |
| 20              | 64QAM      | 1       | 49        | 21.91                 | 22.21                    | 22.19                  |                     |
| 20              | 64QAM      | 1       | 99        | 22.10                 | 22.17                    | 22.25                  |                     |
| 20              | 64QAM      | 50      | 0         | 20.83                 | 21.07                    | 21.09                  | 22.2                |
| 20              | 64QAM      | 50      | 24        | 20.90                 | 21.06                    | 21.06                  |                     |
| 20              | 64QAM      | 50      | 50        | 20.91                 | 21.11                    | 21.14                  |                     |
| 20              | 64QAM      | 100     | 0         | 20.86                 | 21.11                    | 21.07                  |                     |
| 20              | 256QAM     | 1       | 0         | 18.84                 | 18.94                    | 19.19                  | 20.2                |
| 20              | 256QAM     | 1       | 49        | 18.98                 | 19.14                    | 19.08                  |                     |
| 20              | 256QAM     | 1       | 99        | 19.03                 | 19.15                    | 19.12                  |                     |
| 20              | 256QAM     | 50      | 0         | 18.83                 | 19.07                    | 19.10                  | 20.2                |
| 20              | 256QAM     | 50      | 24        | 18.89                 | 19.10                    | 19.09                  |                     |
| 20              | 256QAM     | 50      | 50        | 18.93                 | 19.14                    | 19.14                  |                     |
| 20              | 256QAM     | 100     | 0         | 18.88                 | 19.10                    | 19.08                  |                     |
| Channel         |            |         |           | 132047                | 132322                   | 132597                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |
| 15              | QPSK       | 1       | 0         | 23.63                 | 24.00                    | 23.84                  | 25.2                |
| 15              | QPSK       | 1       | 37        | 23.61                 | 23.90                    | 23.81                  |                     |
| 15              | QPSK       | 1       | 74        | 23.57                 | 23.92                    | 23.80                  |                     |
| 15              | QPSK       | 36      | 0         | 22.56                 | 22.93                    | 22.94                  | 24.2                |
| 15              | QPSK       | 36      | 20        | 22.63                 | 22.86                    | 22.85                  |                     |
| 15              | QPSK       | 36      | 39        | 22.67                 | 23.05                    | 22.95                  |                     |
| 15              | QPSK       | 75      | 0         | 22.66                 | 22.84                    | 22.83                  |                     |
| 15              | 16QAM      | 1       | 0         | 22.80                 | 23.04                    | 23.18                  | 24.2                |
| 15              | 16QAM      | 1       | 37        | 22.90                 | 23.13                    | 23.23                  |                     |
| 15              | 16QAM      | 1       | 74        | 22.97                 | 23.26                    | 23.04                  |                     |
| 15              | 16QAM      | 36      | 0         | 21.65                 | 21.90                    | 21.88                  | 23.2                |
| 15              | 16QAM      | 36      | 20        | 21.69                 | 21.93                    | 21.88                  |                     |
| 15              | 16QAM      | 36      | 39        | 21.70                 | 21.98                    | 21.93                  |                     |
| 15              | 16QAM      | 75      | 0         | 21.67                 | 21.86                    | 21.87                  |                     |
| 15              | 64QAM      | 1       | 0         | 21.98                 | 22.00                    | 22.16                  | 23.2                |
| 15              | 64QAM      | 1       | 37        | 21.74                 | 22.01                    | 22.03                  |                     |
| 15              | 64QAM      | 1       | 74        | 21.95                 | 22.02                    | 22.11                  |                     |
| 15              | 64QAM      | 36      | 0         | 20.65                 | 20.90                    | 20.92                  | 22.2                |
| 15              | 64QAM      | 36      | 20        | 20.77                 | 20.89                    | 20.95                  |                     |
| 15              | 64QAM      | 36      | 39        | 20.73                 | 20.92                    | 20.97                  |                     |
| 15              | 64QAM      | 75      | 0         | 20.73                 | 20.96                    | 20.97                  |                     |
| 15              | 256QAM     | 1       | 0         | 18.72                 | 18.81                    | 19.05                  | 20.2                |
| 15              | 256QAM     | 1       | 37        | 18.84                 | 18.94                    | 18.93                  |                     |
| 15              | 256QAM     | 1       | 74        | 18.83                 | 19.02                    | 18.94                  |                     |
| 15              | 256QAM     | 36      | 0         | 18.68                 | 18.94                    | 18.92                  | 20.2                |
| 15              | 256QAM     | 36      | 20        | 18.74                 | 18.97                    | 18.99                  |                     |



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|                 |        |    |    |        |        |        |                     |
|-----------------|--------|----|----|--------|--------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 18.77  | 18.97  | 19.01  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 18.74  | 18.91  | 18.97  |                     |
| Channel         |        |    |    | 132022 | 132322 | 132622 | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   |                     |
| 10              | QPSK   | 1  | 0  | 23.65  | 23.91  | 23.87  | 25.2                |
| 10              | QPSK   | 1  | 25 | 23.65  | 23.88  | 23.83  |                     |
| 10              | QPSK   | 1  | 49 | 23.57  | 23.87  | 23.80  |                     |
| 10              | QPSK   | 25 | 0  | 22.64  | 22.89  | 22.93  | 24.2                |
| 10              | QPSK   | 25 | 12 | 22.66  | 22.83  | 22.90  |                     |
| 10              | QPSK   | 25 | 25 | 22.68  | 23.03  | 23.01  |                     |
| 10              | QPSK   | 50 | 0  | 22.70  | 22.90  | 22.82  |                     |
| 10              | 16QAM  | 1  | 0  | 22.88  | 23.06  | 23.24  | 24.2                |
| 10              | 16QAM  | 1  | 25 | 22.87  | 23.10  | 23.22  |                     |
| 10              | 16QAM  | 1  | 49 | 22.96  | 23.28  | 22.99  |                     |
| 10              | 16QAM  | 25 | 0  | 21.64  | 21.90  | 21.92  | 23.2                |
| 10              | 16QAM  | 25 | 12 | 21.70  | 21.92  | 21.86  |                     |
| 10              | 16QAM  | 25 | 25 | 21.76  | 22.03  | 22.00  |                     |
| 10              | 16QAM  | 50 | 0  | 21.76  | 21.91  | 21.91  |                     |
| 10              | 64QAM  | 1  | 0  | 21.96  | 21.93  | 22.08  | 23.2                |
| 10              | 64QAM  | 1  | 25 | 21.81  | 22.06  | 21.99  |                     |
| 10              | 64QAM  | 1  | 49 | 21.99  | 22.00  | 22.10  |                     |
| 10              | 64QAM  | 25 | 0  | 20.69  | 20.90  | 20.90  | 22.2                |
| 10              | 64QAM  | 25 | 12 | 20.73  | 20.96  | 20.90  |                     |
| 10              | 64QAM  | 25 | 25 | 20.74  | 20.98  | 20.94  |                     |
| 10              | 64QAM  | 50 | 0  | 20.76  | 20.96  | 20.89  |                     |
| 10              | 256QAM | 1  | 0  | 18.71  | 18.81  | 19.03  | 20.2                |
| 10              | 256QAM | 1  | 25 | 18.84  | 18.98  | 18.91  |                     |
| 10              | 256QAM | 1  | 49 | 18.89  | 19.05  | 18.94  |                     |
| 10              | 256QAM | 25 | 0  | 18.64  | 18.97  | 18.90  | 20.2                |
| 10              | 256QAM | 25 | 12 | 18.75  | 18.98  | 18.94  |                     |
| 10              | 256QAM | 25 | 25 | 18.82  | 18.94  | 19.01  |                     |
| 10              | 256QAM | 50 | 0  | 18.74  | 18.91  | 18.96  |                     |
| Channel         |        |    |    | 131997 | 132322 | 132647 | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.56  | 23.99  | 23.80  | 25.2                |
| 5               | QPSK   | 1  | 12 | 23.55  | 23.83  | 23.76  |                     |
| 5               | QPSK   | 1  | 24 | 23.54  | 23.86  | 23.73  |                     |
| 5               | QPSK   | 12 | 0  | 22.66  | 22.87  | 22.91  | 24.2                |
| 5               | QPSK   | 12 | 7  | 22.68  | 22.90  | 22.95  |                     |
| 5               | QPSK   | 12 | 13 | 22.70  | 22.97  | 22.98  |                     |
| 5               | QPSK   | 25 | 0  | 22.63  | 22.88  | 22.86  |                     |
| 5               | 16QAM  | 1  | 0  | 22.80  | 23.07  | 23.15  | 24.2                |
| 5               | 16QAM  | 1  | 12 | 22.97  | 23.11  | 23.27  |                     |
| 5               | 16QAM  | 1  | 24 | 23.00  | 23.20  | 22.97  |                     |
| 5               | 16QAM  | 12 | 0  | 21.69  | 21.90  | 21.87  | 23.2                |
| 5               | 16QAM  | 12 | 7  | 21.71  | 21.92  | 21.94  |                     |
| 5               | 16QAM  | 12 | 13 | 21.71  | 22.00  | 21.99  |                     |
| 5               | 16QAM  | 25 | 0  | 21.67  | 21.92  | 21.90  |                     |
| 5               | 64QAM  | 1  | 0  | 21.90  | 21.92  | 22.09  | 23.2                |
| 5               | 64QAM  | 1  | 12 | 21.71  | 22.11  | 22.04  |                     |
| 5               | 64QAM  | 1  | 24 | 21.97  | 22.06  | 22.05  |                     |
| 5               | 64QAM  | 12 | 0  | 20.68  | 20.91  | 20.96  | 22.2                |
| 5               | 64QAM  | 12 | 7  | 20.72  | 20.90  | 20.90  |                     |
| 5               | 64QAM  | 12 | 13 | 20.76  | 21.00  | 20.96  |                     |
| 5               | 64QAM  | 25 | 0  | 20.72  | 20.93  | 20.89  |                     |
| 5               | 256QAM | 1  | 0  | 18.73  | 18.83  | 19.04  | 20.2                |
| 5               | 256QAM | 1  | 12 | 18.80  | 19.00  | 18.98  |                     |
| 5               | 256QAM | 1  | 24 | 18.90  | 19.01  | 18.99  |                     |
| 5               | 256QAM | 12 | 0  | 18.73  | 18.90  | 18.97  | 20.2                |
| 5               | 256QAM | 12 | 7  | 18.69  | 18.99  | 18.96  |                     |
| 5               | 256QAM | 12 | 13 | 18.79  | 18.99  | 18.95  |                     |
| 5               | 256QAM | 25 | 0  | 18.68  | 18.92  | 18.96  |                     |



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| Channel         |        |    |    | 131987 | 132322 | 132657 | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.63  | 23.95  | 23.81  | 25.2                   |
| 3               | QPSK   | 1  | 8  | 23.65  | 23.92  | 23.76  |                        |
| 3               | QPSK   | 1  | 14 | 23.57  | 23.92  | 23.74  |                        |
| 3               | QPSK   | 8  | 0  | 22.57  | 22.96  | 22.87  | 24.2                   |
| 3               | QPSK   | 8  | 4  | 22.71  | 22.89  | 22.92  |                        |
| 3               | QPSK   | 8  | 7  | 22.75  | 23.05  | 23.04  |                        |
| 3               | QPSK   | 15 | 0  | 22.65  | 22.84  | 22.83  |                        |
| 3               | 16QAM  | 1  | 0  | 22.86  | 23.04  | 23.18  | 24.2                   |
| 3               | 16QAM  | 1  | 8  | 22.92  | 23.13  | 23.19  |                        |
| 3               | 16QAM  | 1  | 14 | 23.02  | 23.26  | 23.07  |                        |
| 3               | 16QAM  | 8  | 0  | 21.60  | 21.83  | 21.91  | 23.2                   |
| 3               | 16QAM  | 8  | 4  | 21.70  | 21.93  | 21.86  |                        |
| 3               | 16QAM  | 8  | 7  | 21.72  | 21.97  | 22.00  |                        |
| 3               | 16QAM  | 15 | 0  | 21.76  | 21.86  | 21.94  |                        |
| 3               | 64QAM  | 1  | 0  | 21.93  | 22.01  | 22.14  | 23.2                   |
| 3               | 64QAM  | 1  | 8  | 21.78  | 22.04  | 22.08  |                        |
| 3               | 64QAM  | 1  | 14 | 21.93  | 21.97  | 22.07  |                        |
| 3               | 64QAM  | 8  | 0  | 20.63  | 20.94  | 20.95  | 22.2                   |
| 3               | 64QAM  | 8  | 4  | 20.79  | 20.86  | 20.89  |                        |
| 3               | 64QAM  | 8  | 7  | 20.81  | 20.96  | 21.00  |                        |
| 3               | 64QAM  | 15 | 0  | 20.74  | 20.93  | 20.90  |                        |
| 3               | 256QAM | 1  | 0  | 18.72  | 18.82  | 19.08  | 20.2                   |
| 3               | 256QAM | 1  | 8  | 18.82  | 19.00  | 18.90  |                        |
| 3               | 256QAM | 1  | 14 | 18.91  | 19.01  | 18.92  |                        |
| 3               | 256QAM | 8  | 0  | 18.63  | 18.89  | 19.00  | 20.2                   |
| 3               | 256QAM | 8  | 4  | 18.75  | 18.95  | 18.99  |                        |
| 3               | 256QAM | 8  | 7  | 18.81  | 18.99  | 18.95  |                        |
| 3               | 256QAM | 15 | 0  | 18.74  | 19.00  | 18.88  |                        |
| Channel         |        |    |    | 131979 | 132322 | 132665 | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1710.7 | 1745   | 1779.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 23.56  | 23.99  | 23.85  | 25.2                   |
| 1.4             | QPSK   | 1  | 3  | 23.62  | 23.86  | 23.79  |                        |
| 1.4             | QPSK   | 1  | 5  | 23.56  | 23.94  | 23.79  |                        |
| 1.4             | QPSK   | 3  | 0  | 23.41  | 23.87  | 23.72  |                        |
| 1.4             | QPSK   | 3  | 1  | 23.43  | 23.76  | 23.68  |                        |
| 1.4             | QPSK   | 3  | 3  | 23.45  | 23.74  | 23.64  |                        |
| 1.4             | QPSK   | 6  | 0  | 22.58  | 22.89  | 22.89  | 24.2                   |
| 1.4             | 16QAM  | 1  | 0  | 22.69  | 22.92  | 22.89  | 24.2                   |
| 1.4             | 16QAM  | 1  | 3  | 22.70  | 23.00  | 23.00  |                        |
| 1.4             | 16QAM  | 1  | 5  | 22.62  | 22.86  | 22.82  |                        |
| 1.4             | 16QAM  | 3  | 0  | 22.80  | 23.02  | 23.23  |                        |
| 1.4             | 16QAM  | 3  | 1  | 22.92  | 23.15  | 23.19  |                        |
| 1.4             | 16QAM  | 3  | 3  | 23.06  | 23.19  | 22.97  | 23.2                   |
| 1.4             | 16QAM  | 6  | 0  | 21.66  | 21.85  | 21.90  |                        |
| 1.4             | 64QAM  | 1  | 0  | 21.65  | 21.87  | 21.90  | 23.2                   |
| 1.4             | 64QAM  | 1  | 3  | 21.69  | 21.97  | 22.00  |                        |
| 1.4             | 64QAM  | 1  | 5  | 21.70  | 21.92  | 21.90  |                        |
| 1.4             | 64QAM  | 3  | 0  | 21.90  | 21.98  | 22.16  |                        |
| 1.4             | 64QAM  | 3  | 1  | 21.74  | 22.07  | 22.00  |                        |
| 1.4             | 64QAM  | 3  | 3  | 21.94  | 22.00  | 22.15  |                        |
| 1.4             | 64QAM  | 6  | 0  | 20.71  | 20.94  | 20.99  | 22.2                   |
| 1.4             | 256QAM | 1  | 0  | 18.67  | 18.81  | 19.02  | 20.2                   |
| 1.4             | 256QAM | 1  | 3  | 18.79  | 19.03  | 18.93  |                        |
| 1.4             | 256QAM | 1  | 5  | 18.83  | 18.98  | 19.02  |                        |
| 1.4             | 256QAM | 3  | 0  | 18.70  | 18.92  | 19.00  |                        |
| 1.4             | 256QAM | 3  | 1  | 18.71  | 18.96  | 18.95  |                        |
| 1.4             | 256QAM | 3  | 3  | 18.78  | 19.04  | 19.01  | 20.2                   |
| 1.4             | 256QAM | 6  | 0  | 18.70  | 18.94  | 18.97  |                        |



<LTE Band 66\_Ant 5\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 132072                | 132322                   | 132572                 |                     |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |
| 20              | QPSK       | 1       | 0         | 24.45                 | 24.55                    | 24.62                  | 25.2                |
| 20              | QPSK       | 1       | 49        | 24.38                 | 24.42                    | 24.34                  |                     |
| 20              | QPSK       | 1       | 99        | 24.43                 | 24.50                    | 24.44                  |                     |
| 20              | QPSK       | 50      | 0         | 23.22                 | 23.29                    | 23.19                  | 24.2                |
| 20              | QPSK       | 50      | 24        | 23.24                 | 23.24                    | 23.21                  |                     |
| 20              | QPSK       | 50      | 50        | 23.29                 | 23.30                    | 23.32                  |                     |
| 20              | QPSK       | 100     | 0         | 23.17                 | 23.25                    | 23.21                  | 24.2                |
| 20              | 16QAM      | 1       | 0         | 23.12                 | 23.16                    | 23.13                  |                     |
| 20              | 16QAM      | 1       | 49        | 23.20                 | 23.25                    | 23.17                  |                     |
| 20              | 16QAM      | 1       | 99        | 23.34                 | 23.39                    | 23.34                  | 23.2                |
| 20              | 16QAM      | 50      | 0         | 22.17                 | 22.22                    | 22.19                  |                     |
| 20              | 16QAM      | 50      | 24        | 22.18                 | 22.25                    | 22.21                  |                     |
| 20              | 16QAM      | 50      | 50        | 22.23                 | 22.31                    | 22.25                  | 23.2                |
| 20              | 16QAM      | 100     | 0         | 22.18                 | 22.28                    | 22.26                  |                     |
| 20              | 64QAM      | 1       | 0         | 22.19                 | 22.23                    | 22.18                  |                     |
| 20              | 64QAM      | 1       | 49        | 22.28                 | 22.28                    | 22.25                  | 22.2                |
| 20              | 64QAM      | 1       | 99        | 22.36                 | 22.40                    | 22.39                  |                     |
| 20              | 64QAM      | 50      | 0         | 21.17                 | 21.24                    | 21.16                  |                     |
| 20              | 64QAM      | 50      | 24        | 21.25                 | 21.26                    | 21.16                  | 20.2                |
| 20              | 64QAM      | 50      | 50        | 21.29                 | 21.33                    | 21.31                  |                     |
| 20              | 64QAM      | 100     | 0         | 21.35                 | 21.35                    | 21.27                  |                     |
| 20              | 256QAM     | 1       | 0         | 18.70                 | 18.75                    | 18.74                  | 20.2                |
| 20              | 256QAM     | 1       | 49        | 18.83                 | 18.92                    | 18.86                  |                     |
| 20              | 256QAM     | 1       | 99        | 19.05                 | 19.08                    | 19.08                  | 20.2                |
| 20              | 256QAM     | 50      | 0         | 19.25                 | 19.27                    | 19.26                  |                     |
| 20              | 256QAM     | 50      | 24        | 19.34                 | 19.34                    | 19.26                  |                     |
| 20              | 256QAM     | 50      | 50        | 19.26                 | 19.36                    | 19.34                  | 20.2                |
| 20              | 256QAM     | 100     | 0         | 19.27                 | 19.31                    | 19.24                  |                     |
| Channel         |            |         |           | 132047                | 132322                   | 132597                 |                     |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |
| 15              | QPSK       | 1       | 0         | 24.27                 | 24.38                    | 24.51                  | 25.2                |
| 15              | QPSK       | 1       | 37        | 24.24                 | 24.23                    | 24.23                  |                     |
| 15              | QPSK       | 1       | 74        | 24.31                 | 24.33                    | 24.33                  |                     |
| 15              | QPSK       | 36      | 0         | 23.02                 | 23.09                    | 23.08                  | 24.2                |
| 15              | QPSK       | 36      | 20        | 23.13                 | 23.05                    | 23.07                  |                     |
| 15              | QPSK       | 36      | 39        | 23.10                 | 23.19                    | 23.22                  |                     |
| 15              | QPSK       | 75      | 0         | 23.03                 | 23.10                    | 23.07                  | 24.2                |
| 15              | 16QAM      | 1       | 0         | 22.98                 | 23.01                    | 23.03                  |                     |
| 15              | 16QAM      | 1       | 37        | 23.04                 | 23.12                    | 23.04                  |                     |
| 15              | 16QAM      | 1       | 74        | 23.19                 | 23.27                    | 23.16                  | 23.2                |
| 15              | 16QAM      | 36      | 0         | 22.05                 | 22.06                    | 21.99                  |                     |
| 15              | 16QAM      | 36      | 20        | 22.04                 | 22.11                    | 22.02                  |                     |
| 15              | 16QAM      | 36      | 39        | 22.03                 | 22.21                    | 22.08                  | 23.2                |
| 15              | 16QAM      | 75      | 0         | 21.99                 | 22.16                    | 22.14                  |                     |
| 15              | 64QAM      | 1       | 0         | 22.03                 | 22.12                    | 22.01                  |                     |
| 15              | 64QAM      | 1       | 37        | 22.08                 | 22.11                    | 22.09                  | 22.2                |
| 15              | 64QAM      | 1       | 74        | 22.24                 | 22.30                    | 22.28                  |                     |
| 15              | 64QAM      | 36      | 0         | 20.99                 | 21.05                    | 20.97                  |                     |
| 15              | 64QAM      | 36      | 20        | 21.14                 | 21.07                    | 21.04                  | 20.2                |
| 15              | 64QAM      | 36      | 39        | 21.14                 | 21.18                    | 21.13                  |                     |
| 15              | 64QAM      | 75      | 0         | 21.24                 | 21.18                    | 21.11                  |                     |
| 15              | 256QAM     | 1       | 0         | 18.57                 | 18.64                    | 18.57                  | 20.2                |
| 15              | 256QAM     | 1       | 37        | 18.68                 | 18.79                    | 18.69                  |                     |
| 15              | 256QAM     | 1       | 74        | 18.90                 | 18.95                    | 18.96                  |                     |
| 15              | 256QAM     | 36      | 0         | 19.14                 | 19.07                    | 19.09                  | 20.2                |
| 15              | 256QAM     | 36      | 20        | 19.22                 | 19.18                    | 19.13                  |                     |



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|                 |        |    |    |        |        |        |                     |
|-----------------|--------|----|----|--------|--------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 19.13  | 19.25  | 19.17  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 19.13  | 19.21  | 19.10  |                     |
| Channel         |        |    |    | 132022 | 132322 | 132622 | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   |                     |
| 10              | QPSK   | 1  | 0  | 24.29  | 24.42  | 24.49  | 25.2                |
| 10              | QPSK   | 1  | 25 | 24.28  | 24.25  | 24.17  |                     |
| 10              | QPSK   | 1  | 49 | 24.30  | 24.39  | 24.30  |                     |
| 10              | QPSK   | 25 | 0  | 23.05  | 23.09  | 23.00  | 24.2                |
| 10              | QPSK   | 25 | 12 | 23.06  | 23.07  | 23.09  |                     |
| 10              | QPSK   | 25 | 25 | 23.10  | 23.15  | 23.20  |                     |
| 10              | QPSK   | 50 | 0  | 23.02  | 23.12  | 23.11  |                     |
| 10              | 16QAM  | 1  | 0  | 22.92  | 23.02  | 22.95  | 24.2                |
| 10              | 16QAM  | 1  | 25 | 23.02  | 23.11  | 23.00  |                     |
| 10              | 16QAM  | 1  | 49 | 23.14  | 23.27  | 23.17  |                     |
| 10              | 16QAM  | 25 | 0  | 22.02  | 22.06  | 22.04  | 23.2                |
| 10              | 16QAM  | 25 | 12 | 22.02  | 22.06  | 22.07  |                     |
| 10              | 16QAM  | 25 | 25 | 22.05  | 22.19  | 22.13  |                     |
| 10              | 16QAM  | 50 | 0  | 22.00  | 22.14  | 22.14  |                     |
| 10              | 64QAM  | 1  | 0  | 22.05  | 22.13  | 22.01  | 23.2                |
| 10              | 64QAM  | 1  | 25 | 22.15  | 22.12  | 22.10  |                     |
| 10              | 64QAM  | 1  | 49 | 22.20  | 22.20  | 22.23  |                     |
| 10              | 64QAM  | 25 | 0  | 21.04  | 21.04  | 21.01  | 22.2                |
| 10              | 64QAM  | 25 | 12 | 21.13  | 21.13  | 20.98  |                     |
| 10              | 64QAM  | 25 | 25 | 21.16  | 21.14  | 21.11  |                     |
| 10              | 64QAM  | 50 | 0  | 21.21  | 21.19  | 21.17  |                     |
| 10              | 256QAM | 1  | 0  | 18.58  | 18.58  | 18.63  | 20.2                |
| 10              | 256QAM | 1  | 25 | 18.71  | 18.78  | 18.71  |                     |
| 10              | 256QAM | 1  | 49 | 18.90  | 18.94  | 18.97  |                     |
| 10              | 256QAM | 25 | 0  | 19.12  | 19.16  | 19.11  | 20.2                |
| 10              | 256QAM | 25 | 12 | 19.18  | 19.24  | 19.10  |                     |
| 10              | 256QAM | 25 | 25 | 19.12  | 19.22  | 19.21  |                     |
| 10              | 256QAM | 50 | 0  | 19.09  | 19.18  | 19.06  |                     |
| Channel         |        |    |    | 131997 | 132322 | 132647 | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 |                     |
| 5               | QPSK   | 1  | 0  | 24.26  | 24.44  | 24.52  | 25.2                |
| 5               | QPSK   | 1  | 12 | 24.25  | 24.24  | 24.18  |                     |
| 5               | QPSK   | 1  | 24 | 24.26  | 24.38  | 24.34  |                     |
| 5               | QPSK   | 12 | 0  | 23.09  | 23.15  | 23.00  | 24.2                |
| 5               | QPSK   | 12 | 7  | 23.08  | 23.13  | 23.03  |                     |
| 5               | QPSK   | 12 | 13 | 23.14  | 23.11  | 23.13  |                     |
| 5               | QPSK   | 25 | 0  | 23.07  | 23.10  | 23.05  |                     |
| 5               | 16QAM  | 1  | 0  | 22.95  | 22.99  | 22.96  | 24.2                |
| 5               | 16QAM  | 1  | 12 | 23.04  | 23.14  | 23.02  |                     |
| 5               | 16QAM  | 1  | 24 | 23.19  | 23.25  | 23.17  |                     |
| 5               | 16QAM  | 12 | 0  | 22.02  | 22.04  | 22.03  | 23.2                |
| 5               | 16QAM  | 12 | 7  | 22.06  | 22.08  | 22.09  |                     |
| 5               | 16QAM  | 12 | 13 | 22.06  | 22.18  | 22.11  |                     |
| 5               | 16QAM  | 25 | 0  | 22.06  | 22.14  | 22.10  |                     |
| 5               | 64QAM  | 1  | 0  | 22.06  | 22.03  | 22.06  | 23.2                |
| 5               | 64QAM  | 1  | 12 | 22.11  | 22.08  | 22.15  |                     |
| 5               | 64QAM  | 1  | 24 | 22.25  | 22.22  | 22.29  |                     |
| 5               | 64QAM  | 12 | 0  | 21.03  | 21.10  | 21.02  | 22.2                |
| 5               | 64QAM  | 12 | 7  | 21.06  | 21.07  | 21.01  |                     |
| 5               | 64QAM  | 12 | 13 | 21.11  | 21.19  | 21.19  |                     |
| 5               | 64QAM  | 25 | 0  | 21.15  | 21.22  | 21.12  |                     |
| 5               | 256QAM | 1  | 0  | 18.50  | 18.59  | 18.61  | 20.2                |
| 5               | 256QAM | 1  | 12 | 18.68  | 18.81  | 18.76  |                     |
| 5               | 256QAM | 1  | 24 | 18.89  | 18.88  | 18.96  |                     |
| 5               | 256QAM | 12 | 0  | 19.15  | 19.15  | 19.06  | 20.2                |
| 5               | 256QAM | 12 | 7  | 19.18  | 19.24  | 19.06  |                     |
| 5               | 256QAM | 12 | 13 | 19.11  | 19.17  | 19.18  |                     |
| 5               | 256QAM | 25 | 0  | 19.14  | 19.14  | 19.06  |                     |



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| Channel         |        |    |    | 131987 | 132322 | 132657 | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 |                        |
| 3               | QPSK   | 1  | 0  | 24.26  | 24.43  | 24.43  | 25.2                   |
| 3               | QPSK   | 1  | 8  | 24.27  | 24.28  | 24.16  |                        |
| 3               | QPSK   | 1  | 14 | 24.31  | 24.32  | 24.29  |                        |
| 3               | QPSK   | 8  | 0  | 23.06  | 23.12  | 23.04  | 24.2                   |
| 3               | QPSK   | 8  | 4  | 23.13  | 23.12  | 23.05  |                        |
| 3               | QPSK   | 8  | 7  | 23.18  | 23.19  | 23.19  |                        |
| 3               | QPSK   | 15 | 0  | 22.97  | 23.15  | 23.03  |                        |
| 3               | 16QAM  | 1  | 0  | 22.95  | 22.98  | 22.93  | 24.2                   |
| 3               | 16QAM  | 1  | 8  | 23.05  | 23.12  | 22.97  |                        |
| 3               | 16QAM  | 1  | 14 | 23.18  | 23.21  | 23.16  |                        |
| 3               | 16QAM  | 8  | 0  | 22.04  | 22.11  | 22.08  | 23.2                   |
| 3               | 16QAM  | 8  | 4  | 21.99  | 22.05  | 22.10  |                        |
| 3               | 16QAM  | 8  | 7  | 22.09  | 22.20  | 22.15  |                        |
| 3               | 16QAM  | 15 | 0  | 22.04  | 22.18  | 22.11  |                        |
| 3               | 64QAM  | 1  | 0  | 22.08  | 22.10  | 22.05  | 23.2                   |
| 3               | 64QAM  | 1  | 8  | 22.15  | 22.11  | 22.06  |                        |
| 3               | 64QAM  | 1  | 14 | 22.24  | 22.22  | 22.19  |                        |
| 3               | 64QAM  | 8  | 0  | 21.00  | 21.13  | 20.96  | 22.2                   |
| 3               | 64QAM  | 8  | 4  | 21.09  | 21.15  | 21.01  |                        |
| 3               | 64QAM  | 8  | 7  | 21.09  | 21.20  | 21.15  |                        |
| 3               | 64QAM  | 15 | 0  | 21.21  | 21.20  | 21.10  |                        |
| 3               | 256QAM | 1  | 0  | 18.58  | 18.65  | 18.57  | 20.2                   |
| 3               | 256QAM | 1  | 8  | 18.69  | 18.76  | 18.75  |                        |
| 3               | 256QAM | 1  | 14 | 18.95  | 18.97  | 18.93  |                        |
| 3               | 256QAM | 8  | 0  | 19.10  | 19.09  | 19.14  | 20.2                   |
| 3               | 256QAM | 8  | 4  | 19.24  | 19.21  | 19.16  |                        |
| 3               | 256QAM | 8  | 7  | 19.11  | 19.24  | 19.23  |                        |
| 3               | 256QAM | 15 | 0  | 19.16  | 19.15  | 19.05  |                        |
| Channel         |        |    |    | 131979 | 132322 | 132665 | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1710.7 | 1745   | 1779.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 24.32  | 24.40  | 24.47  | 25.2                   |
| 1.4             | QPSK   | 1  | 3  | 24.24  | 24.22  | 24.20  |                        |
| 1.4             | QPSK   | 1  | 5  | 24.33  | 24.30  | 24.27  |                        |
| 1.4             | QPSK   | 3  | 0  | 24.19  | 24.29  | 24.30  |                        |
| 1.4             | QPSK   | 3  | 1  | 24.09  | 24.06  | 24.09  |                        |
| 1.4             | QPSK   | 3  | 3  | 24.16  | 24.14  | 24.12  |                        |
| 1.4             | QPSK   | 6  | 0  | 23.09  | 23.12  | 23.09  | 24.2                   |
| 1.4             | 16QAM  | 1  | 0  | 23.11  | 23.06  | 23.08  | 24.2                   |
| 1.4             | 16QAM  | 1  | 3  | 23.16  | 23.12  | 23.22  |                        |
| 1.4             | 16QAM  | 1  | 5  | 22.97  | 23.09  | 23.03  |                        |
| 1.4             | 16QAM  | 3  | 0  | 23.02  | 23.01  | 23.00  |                        |
| 1.4             | 16QAM  | 3  | 1  | 23.07  | 23.13  | 23.03  |                        |
| 1.4             | 16QAM  | 3  | 3  | 23.16  | 23.22  | 23.24  | 23.2                   |
| 1.4             | 16QAM  | 6  | 0  | 21.99  | 22.03  | 22.02  |                        |
| 1.4             | 64QAM  | 1  | 0  | 22.05  | 22.14  | 22.06  | 23.2                   |
| 1.4             | 64QAM  | 1  | 3  | 22.05  | 22.19  | 22.05  |                        |
| 1.4             | 64QAM  | 1  | 5  | 22.04  | 22.17  | 22.11  |                        |
| 1.4             | 64QAM  | 3  | 0  | 22.08  | 22.13  | 22.01  |                        |
| 1.4             | 64QAM  | 3  | 1  | 22.17  | 22.08  | 22.10  |                        |
| 1.4             | 64QAM  | 3  | 3  | 22.25  | 22.29  | 22.23  |                        |
| 1.4             | 64QAM  | 6  | 0  | 21.02  | 21.06  | 21.04  | 22.2                   |
| 1.4             | 256QAM | 1  | 0  | 18.52  | 18.55  | 18.55  | 20.2                   |
| 1.4             | 256QAM | 1  | 3  | 18.63  | 18.72  | 18.76  |                        |
| 1.4             | 256QAM | 1  | 5  | 18.95  | 18.95  | 18.92  |                        |
| 1.4             | 256QAM | 3  | 0  | 19.09  | 19.11  | 19.13  |                        |
| 1.4             | 256QAM | 3  | 1  | 19.15  | 19.17  | 19.10  |                        |
| 1.4             | 256QAM | 3  | 3  | 19.15  | 19.19  | 19.18  | 20.2                   |
| 1.4             | 256QAM | 6  | 0  | 19.07  | 19.12  | 19.06  |                        |



&lt;LTE Band 71\_Ant 1\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 133222                   | 133297                      | 133372                    |                        |
| Frequency (MHz) |            |         |           | 673                      | 680.5                       | 688                       |                        |
| 20              | QPSK       | 1       | 0         | 23.54                    | 23.65                       | 23.64                     |                        |
| 20              | QPSK       | 1       | 49        | 23.48                    | 23.60                       | 23.62                     | 25.2                   |
| 20              | QPSK       | 1       | 99        | 23.50                    | 23.56                       | 23.58                     |                        |
| 20              | QPSK       | 50      | 0         | 22.53                    | 22.63                       | 22.66                     |                        |
| 20              | QPSK       | 50      | 24        | 22.58                    | 22.58                       | 22.67                     | 24.2                   |
| 20              | QPSK       | 50      | 50        | 22.60                    | 22.69                       | 22.68                     |                        |
| 20              | QPSK       | 100     | 0         | 22.57                    | 22.65                       | 22.64                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.76                    | 22.92                       | 22.89                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 22.72                    | 23.00                       | 22.93                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.82                    | 22.93                       | 22.93                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.50                    | 21.58                       | 21.60                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 21.58                    | 21.69                       | 21.66                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.58                    | 21.69                       | 21.75                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.59                    | 21.67                       | 21.70                     | 23.2                   |
| 20              | 64QAM      | 1       | 0         | 21.75                    | 21.65                       | 21.81                     |                        |
| 20              | 64QAM      | 1       | 49        | 21.58                    | 21.82                       | 21.91                     |                        |
| 20              | 64QAM      | 1       | 99        | 21.61                    | 21.85                       | 21.73                     | 22.2                   |
| 20              | 64QAM      | 50      | 0         | 20.50                    | 20.59                       | 20.64                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.58                    | 20.66                       | 20.65                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.55                    | 20.70                       | 20.74                     | 20.2                   |
| 20              | 64QAM      | 100     | 0         | 20.57                    | 20.61                       | 20.74                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.64                    | 18.67                       | 18.75                     |                        |
| 20              | 256QAM     | 1       | 49        | 18.60                    | 18.68                       | 18.82                     | 20.2                   |
| 20              | 256QAM     | 1       | 99        | 18.75                    | 18.87                       | 18.89                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.55                    | 18.67                       | 18.72                     |                        |
| 20              | 256QAM     | 50      | 24        | 18.56                    | 18.70                       | 18.75                     | 20.2                   |
| 20              | 256QAM     | 50      | 50        | 18.61                    | 18.75                       | 18.78                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.66                    | 18.69                       | 18.77                     |                        |
| Channel         |            |         |           | 133197                   | 133297                      | 133397                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 670.5                    | 680.5                       | 690.5                     |                        |
| 15              | QPSK       | 1       | 0         | 23.38                    | 23.46                       | 23.54                     |                        |
| 15              | QPSK       | 1       | 37        | 23.37                    | 23.45                       | 23.47                     | 25.2                   |
| 15              | QPSK       | 1       | 74        | 23.34                    | 23.39                       | 23.43                     |                        |
| 15              | QPSK       | 36      | 0         | 22.33                    | 22.50                       | 22.51                     |                        |
| 15              | QPSK       | 36      | 20        | 22.44                    | 22.46                       | 22.55                     | 24.2                   |
| 15              | QPSK       | 36      | 39        | 22.45                    | 22.51                       | 22.49                     |                        |
| 15              | QPSK       | 75      | 0         | 22.37                    | 22.54                       | 22.54                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.65                    | 22.75                       | 22.71                     | 24.2                   |
| 15              | 16QAM      | 1       | 37        | 22.57                    | 22.89                       | 22.76                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.69                    | 22.76                       | 22.77                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.40                    | 21.46                       | 21.46                     | 23.2                   |
| 15              | 16QAM      | 36      | 20        | 21.48                    | 21.52                       | 21.55                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.46                    | 21.59                       | 21.62                     |                        |
| 15              | 16QAM      | 75      | 0         | 21.44                    | 21.55                       | 21.53                     | 23.2                   |
| 15              | 64QAM      | 1       | 0         | 21.57                    | 21.51                       | 21.69                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.45                    | 21.72                       | 21.79                     |                        |
| 15              | 64QAM      | 1       | 74        | 21.51                    | 21.69                       | 21.55                     | 22.2                   |
| 15              | 64QAM      | 36      | 0         | 20.32                    | 20.49                       | 20.46                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.41                    | 20.53                       | 20.45                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.42                    | 20.50                       | 20.55                     | 20.2                   |
| 15              | 64QAM      | 75      | 0         | 20.38                    | 20.48                       | 20.63                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.50                    | 18.47                       | 18.59                     |                        |
| 15              | 256QAM     | 1       | 37        | 18.40                    | 18.54                       | 18.62                     | 20.2                   |
| 15              | 256QAM     | 1       | 74        | 18.55                    | 18.76                       | 18.71                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.36                    | 18.53                       | 18.53                     |                        |
| 15              | 256QAM     | 36      | 20        | 18.37                    | 18.56                       | 18.60                     | 20.2                   |
| 15              | 256QAM     | 36      | 39        | 18.43                    | 18.65                       | 18.61                     |                        |



# FCC SAR TEST REPORT

Report No. : FA411111B

|                 |        |    |    |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 18.49  | 18.55  | 18.64  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 133172 | 133297 | 133422 |                        |
| Frequency (MHz) |        |    |    | 668    | 680.5  | 693    |                        |
| 10              | QPSK   | 1  | 0  | 23.40  | 23.54  | 23.47  | 25.2                   |
| 10              | QPSK   | 1  | 25 | 23.36  | 23.49  | 23.49  |                        |
| 10              | QPSK   | 1  | 49 | 23.32  | 23.37  | 23.46  |                        |
| 10              | QPSK   | 25 | 0  | 22.35  | 22.44  | 22.49  | 24.2                   |
| 10              | QPSK   | 25 | 12 | 22.48  | 22.45  | 22.54  |                        |
| 10              | QPSK   | 25 | 25 | 22.45  | 22.52  | 22.57  |                        |
| 10              | QPSK   | 50 | 0  | 22.43  | 22.53  | 22.50  | 24.2                   |
| 10              | 16QAM  | 1  | 0  | 22.63  | 22.72  | 22.77  |                        |
| 10              | 16QAM  | 1  | 25 | 22.55  | 22.90  | 22.74  |                        |
| 10              | 16QAM  | 1  | 49 | 22.67  | 22.76  | 22.80  | 23.2                   |
| 10              | 16QAM  | 25 | 0  | 21.35  | 21.42  | 21.40  |                        |
| 10              | 16QAM  | 25 | 12 | 21.45  | 21.53  | 21.49  |                        |
| 10              | 16QAM  | 25 | 25 | 21.40  | 21.51  | 21.65  | 23.2                   |
| 10              | 16QAM  | 50 | 0  | 21.49  | 21.53  | 21.52  |                        |
| 10              | 64QAM  | 1  | 0  | 21.55  | 21.47  | 21.62  |                        |
| 10              | 64QAM  | 1  | 25 | 21.42  | 21.72  | 21.76  | 23.2                   |
| 10              | 64QAM  | 1  | 49 | 21.42  | 21.74  | 21.55  |                        |
| 10              | 64QAM  | 25 | 0  | 20.36  | 20.42  | 20.49  | 22.2                   |
| 10              | 64QAM  | 25 | 12 | 20.40  | 20.55  | 20.48  |                        |
| 10              | 64QAM  | 25 | 25 | 20.42  | 20.60  | 20.59  |                        |
| 10              | 64QAM  | 50 | 0  | 20.47  | 20.48  | 20.59  | 20.2                   |
| 10              | 256QAM | 1  | 0  | 18.53  | 18.53  | 18.64  |                        |
| 10              | 256QAM | 1  | 25 | 18.47  | 18.57  | 18.66  |                        |
| 10              | 256QAM | 1  | 49 | 18.62  | 18.72  | 18.77  | 20.2                   |
| 10              | 256QAM | 25 | 0  | 18.38  | 18.52  | 18.62  |                        |
| 10              | 256QAM | 25 | 12 | 18.40  | 18.51  | 18.59  |                        |
| 10              | 256QAM | 25 | 25 | 18.51  | 18.61  | 18.66  | 20.2                   |
| 10              | 256QAM | 50 | 0  | 18.46  | 18.52  | 18.61  |                        |
| Channel         |        |    |    | 133147 | 133297 | 133447 | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 665.5  | 680.5  | 695.5  |                        |
| 5               | QPSK   | 1  | 0  | 23.35  | 23.48  | 23.49  | 25.2                   |
| 5               | QPSK   | 1  | 12 | 23.35  | 23.50  | 23.50  |                        |
| 5               | QPSK   | 1  | 24 | 23.31  | 23.46  | 23.48  |                        |
| 5               | QPSK   | 12 | 0  | 22.43  | 22.52  | 22.56  | 24.2                   |
| 5               | QPSK   | 12 | 7  | 22.46  | 22.40  | 22.52  |                        |
| 5               | QPSK   | 12 | 13 | 22.48  | 22.56  | 22.50  |                        |
| 5               | QPSK   | 25 | 0  | 22.38  | 22.45  | 22.45  | 24.2                   |
| 5               | 16QAM  | 1  | 0  | 22.64  | 22.80  | 22.73  |                        |
| 5               | 16QAM  | 1  | 12 | 22.52  | 22.89  | 22.78  |                        |
| 5               | 16QAM  | 1  | 24 | 22.66  | 22.73  | 22.73  | 23.2                   |
| 5               | 16QAM  | 12 | 0  | 21.34  | 21.40  | 21.49  |                        |
| 5               | 16QAM  | 12 | 7  | 21.48  | 21.54  | 21.51  |                        |
| 5               | 16QAM  | 12 | 13 | 21.44  | 21.56  | 21.58  | 23.2                   |
| 5               | 16QAM  | 25 | 0  | 21.40  | 21.50  | 21.53  |                        |
| 5               | 64QAM  | 1  | 0  | 21.64  | 21.47  | 21.64  |                        |
| 5               | 64QAM  | 1  | 12 | 21.42  | 21.67  | 21.78  | 23.2                   |
| 5               | 64QAM  | 1  | 24 | 21.48  | 21.72  | 21.57  |                        |
| 5               | 64QAM  | 12 | 0  | 20.36  | 20.44  | 20.46  | 22.2                   |
| 5               | 64QAM  | 12 | 7  | 20.48  | 20.48  | 20.47  |                        |
| 5               | 64QAM  | 12 | 13 | 20.44  | 20.56  | 20.62  |                        |
| 5               | 64QAM  | 25 | 0  | 20.37  | 20.46  | 20.57  | 20.2                   |
| 5               | 256QAM | 1  | 0  | 18.49  | 18.49  | 18.55  |                        |
| 5               | 256QAM | 1  | 12 | 18.41  | 18.49  | 18.63  |                        |
| 5               | 256QAM | 1  | 24 | 18.62  | 18.73  | 18.74  | 20.2                   |
| 5               | 256QAM | 12 | 0  | 18.35  | 18.48  | 18.58  |                        |
| 5               | 256QAM | 12 | 7  | 18.36  | 18.52  | 18.63  |                        |
| 5               | 256QAM | 12 | 13 | 18.41  | 18.64  | 18.64  | 20.2                   |
| 5               | 256QAM | 25 | 0  | 18.55  | 18.52  | 18.60  |                        |



<FR1 n2\_Ant 1\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 372000                | 376000                   | 380000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.75                 | 24.87                    | 24.88                  | 25.2                |
| 20              | PI/2 BPSK  | 1       | 53        | 24.45                 | 24.64                    | 24.47                  |                     |
| 20              | PI/2 BPSK  | 1       | 104       | 24.67                 | 24.81                    | 24.70                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 23.86                 | 24.05                    | 23.89                  | 24.7                |
| 20              | PI/2 BPSK  | 50      | 28        | 24.33                 | 24.52                    | 24.32                  | 25.2                |
| 20              | PI/2 BPSK  | 50      | 56        | 23.99                 | 24.11                    | 24.01                  | 24.7                |
| 20              | PI/2 BPSK  | 100     | 0         | 23.95                 | 24.13                    | 23.95                  |                     |
| 20              | QPSK       | 1       | 1         | 24.53                 | 24.69                    | 24.58                  | 25.2                |
| 20              | QPSK       | 1       | 53        | 24.58                 | 24.70                    | 24.55                  |                     |
| 20              | QPSK       | 1       | 104       | 24.65                 | 24.83                    | 24.72                  |                     |
| 20              | QPSK       | 50      | 0         | 23.46                 | 23.57                    | 23.40                  | 24.2                |
| 20              | QPSK       | 50      | 28        | 24.37                 | 24.54                    | 24.39                  | 25.2                |
| 20              | QPSK       | 50      | 56        | 23.38                 | 23.58                    | 23.40                  | 24.2                |
| 20              | QPSK       | 100     | 0         | 23.43                 | 23.63                    | 23.50                  |                     |
| 20              | 16QAM      | 1       | 1         | 23.69                 | 23.84                    | 23.70                  | 24.2                |
| 20              | 64QAM      | 1       | 1         | 22.17                 | 22.34                    | 22.21                  | 22.7                |
| 20              | 256QAM     | 1       | 1         | 20.15                 | 20.31                    | 20.20                  | 20.7                |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.26                 | 24.52                    | 24.34                  | 25.2                |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.29                 | 24.47                    | 24.29                  | 25.2                |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.29                 | 24.48                    | 24.32                  | 25.2                |



<FR1 n2\_Ant 5\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 372000                | 376000                   | 380000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.77                 | 25.06                    | 24.76                  | 25.2                |
| 20              | PI/2 BPSK  | 1       | 53        | 24.37                 | 24.54                    | 24.43                  |                     |
| 20              | PI/2 BPSK  | 1       | 104       | 24.57                 | 24.75                    | 24.56                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 23.89                 | 24.04                    | 23.91                  | 24.7                |
| 20              | PI/2 BPSK  | 50      | 28        | 24.25                 | 24.41                    | 24.25                  | 25.2                |
| 20              | PI/2 BPSK  | 50      | 56        | 23.89                 | 23.99                    | 23.82                  | 24.7                |
| 20              | PI/2 BPSK  | 100     | 0         | 23.97                 | 24.07                    | 23.97                  |                     |
| 20              | QPSK       | 1       | 1         | 24.82                 | 25.00                    | 24.89                  | 25.2                |
| 20              | QPSK       | 1       | 53        | 24.65                 | 24.77                    | 24.67                  |                     |
| 20              | QPSK       | 1       | 104       | 24.75                 | 24.88                    | 24.70                  |                     |
| 20              | QPSK       | 50      | 0         | 23.41                 | 23.61                    | 23.43                  | 24.2                |
| 20              | QPSK       | 50      | 28        | 24.32                 | 24.47                    | 24.30                  | 25.2                |
| 20              | QPSK       | 50      | 56        | 23.30                 | 23.44                    | 23.34                  | 24.2                |
| 20              | QPSK       | 100     | 0         | 23.35                 | 23.49                    | 23.39                  |                     |
| 20              | 16QAM      | 1       | 1         | 23.78                 | 23.97                    | 23.84                  | 24.2                |
| 20              | 64QAM      | 1       | 1         | 22.32                 | 22.51                    | 22.37                  | 22.7                |
| 20              | 256QAM     | 1       | 1         | 20.46                 | 20.62                    | 20.42                  | 20.7                |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.66                 | 24.92                    | 24.60                  | 25.2                |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.64                 | 24.95                    | 24.65                  | 25.2                |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.60                 | 24.90                    | 24.57                  | 25.2                |



<FR1 n5\_Ant 1\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 166800                | 167300                   | 167800                 |                     |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.84                 | 24.88                    | 24.79                  |                     |
| 20              | PI/2 BPSK  | 1       | 53        | 24.62                 | 24.82                    | 24.72                  | 25.2                |
| 20              | PI/2 BPSK  | 1       | 104       | 24.46                 | 24.60                    | 24.40                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 24.10                 | 24.29                    | 24.12                  |                     |
| 20              | PI/2 BPSK  | 50      | 28        | 24.71                 | 24.81                    | 24.69                  | 24.7                |
| 20              | PI/2 BPSK  | 50      | 56        | 24.04                 | 24.14                    | 24.01                  | 25.2                |
| 20              | PI/2 BPSK  | 100     | 0         | 24.11                 | 24.27                    | 24.09                  |                     |
| 20              | QPSK       | 1       | 1         | 24.59                 | 24.76                    | 24.62                  |                     |
| 20              | QPSK       | 1       | 53        | 24.61                 | 24.79                    | 24.63                  | 25.2                |
| 20              | QPSK       | 1       | 104       | 24.39                 | 24.59                    | 24.45                  |                     |
| 20              | QPSK       | 50      | 0         | 23.59                 | 23.79                    | 23.69                  |                     |
| 20              | QPSK       | 50      | 28        | 24.68                 | 24.86                    | 24.76                  | 24.2                |
| 20              | QPSK       | 50      | 56        | 23.50                 | 23.69                    | 23.57                  | 25.2                |
| 20              | QPSK       | 100     | 0         | 23.63                 | 23.75                    | 23.63                  |                     |
| 20              | 16QAM      | 1       | 1         | 23.86                 | 24.00                    | 23.84                  |                     |
| 20              | 64QAM      | 1       | 1         | 22.46                 | 22.57                    | 22.43                  | 24.2                |
| 20              | 256QAM     | 1       | 1         | 20.38                 | 20.58                    | 20.44                  | 22.7                |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | 20.7                |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.69                 | 24.69                    | 24.63                  |                     |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | 25.2                |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.71                 | 24.74                    | 24.66                  |                     |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | 25.2                |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.68                 | 24.75                    | 24.68                  |                     |



<FR1 n7\_Ant 5\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 504000                | 507000                   | 510000                 |                     |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 24.04                 | 24.19                    | 24.01                  |                     |
| 40              | PI/2 BPSK  | 1       | 108       | 23.79                 | 23.96                    | 23.81                  | 25.2                |
| 40              | PI/2 BPSK  | 1       | 214       | 23.64                 | 23.80                    | 23.60                  |                     |
| 40              | PI/2 BPSK  | 108     | 0         | 23.29                 | 23.49                    | 23.37                  |                     |
| 40              | PI/2 BPSK  | 108     | 54        | 23.87                 | 24.01                    | 23.85                  | 24.7                |
| 40              | PI/2 BPSK  | 108     | 108       | 23.29                 | 23.48                    | 23.28                  | 25.2                |
| 40              | PI/2 BPSK  | 216     | 0         | 23.30                 | 23.49                    | 23.37                  | 24.7                |
| 40              | QPSK       | 1       | 1         | 24.00                 | 24.15                    | 24.01                  |                     |
| 40              | QPSK       | 1       | 108       | 23.92                 | 24.07                    | 23.95                  |                     |
| 40              | QPSK       | 1       | 214       | 23.67                 | 23.83                    | 23.70                  | 25.2                |
| 40              | QPSK       | 108     | 0         | 22.80                 | 22.98                    | 22.83                  |                     |
| 40              | QPSK       | 108     | 54        | 23.95                 | 24.05                    | 23.89                  |                     |
| 40              | QPSK       | 108     | 108       | 22.76                 | 22.96                    | 22.81                  | 24.2                |
| 40              | QPSK       | 216     | 0         | 22.82                 | 22.98                    | 22.83                  |                     |
| 40              | 16QAM      | 1       | 1         | 22.97                 | 23.14                    | 23.04                  |                     |
| 40              | 64QAM      | 1       | 1         | 21.65                 | 21.78                    | 21.60                  | 24.2                |
| 40              | 256QAM     | 1       | 1         | 19.53                 | 19.66                    | 19.52                  | 22.7                |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 23.94                 | 24.07                    | 23.84                  |                     |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |
| 25              | PI/2 BPSK  | 1       | 1         | 23.89                 | 23.99                    | 23.83                  |                     |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.86                 | 24.07                    | 23.91                  |                     |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 23.89                 | 24.03                    | 23.85                  |                     |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.87                 | 24.06                    | 23.88                  |                     |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 23.87                 | 24.04                    | 23.82                  |                     |

**<FR1 n12\_Ant 1\_DSI 0>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 141300                | 141500                   | 141700                 |                     |
| Frequency (MHz) |            |         |           | 706.5                 | 707.5                    | 708.5                  |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.85                 | 24.76                    | 24.80                  |                     |
| 15              | PI/2 BPSK  | 1       | 40        | 24.58                 | 24.72                    | 24.55                  | 25.2                |
| 15              | PI/2 BPSK  | 1       | 77        | 24.30                 | 24.50                    | 24.33                  |                     |
| 15              | PI/2 BPSK  | 36      | 0         | 23.97                 | 24.08                    | 23.93                  |                     |
| 15              | PI/2 BPSK  | 36      | 22        | 24.33                 | 24.52                    | 24.41                  | 25.2                |
| 15              | PI/2 BPSK  | 36      | 43        | 23.89                 | 24.01                    | 23.81                  | 24.7                |
| 15              | PI/2 BPSK  | 75      | 0         | 23.96                 | 24.08                    | 23.92                  |                     |
| 15              | QPSK       | 1       | 1         | 24.50                 | 24.66                    | 24.53                  |                     |
| 15              | QPSK       | 1       | 40        | 24.55                 | 24.68                    | 24.53                  | 25.2                |
| 15              | QPSK       | 1       | 77        | 24.32                 | 24.47                    | 24.34                  |                     |
| 15              | QPSK       | 36      | 0         | 23.43                 | 23.59                    | 23.42                  |                     |
| 15              | QPSK       | 36      | 22        | 24.40                 | 24.51                    | 24.31                  | 25.2                |
| 15              | QPSK       | 36      | 43        | 23.30                 | 23.50                    | 23.39                  | 24.2                |
| 15              | QPSK       | 75      | 0         | 23.44                 | 23.62                    | 23.43                  |                     |
| 15              | 16QAM      | 1       | 1         | 23.72                 | 23.83                    | 23.72                  |                     |
| 15              | 64QAM      | 1       | 1         | 22.19                 | 22.32                    | 22.12                  | 22.7                |
| 15              | 256QAM     | 1       | 1         | 20.23                 | 20.35                    | 20.21                  | 20.7                |
| Channel         |            |         |           | 140800                | 141500                   | 142200                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.74                 | 24.63                    | 24.64                  |                     |
| Channel         |            |         |           | 140300                | 141500                   | 142700                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.74                 | 24.59                    | 24.65                  |                     |

**<FR1 n13\_Ant 1\_DSI 0>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 156400                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 782                      |                        |                     |
| 10              | PI/2 BPSK  | 1       | 1         |                       | 24.66                    |                        | 25.2                |
| 10              | PI/2 BPSK  | 1       | 26        |                       | 24.55                    |                        |                     |
| 10              | PI/2 BPSK  | 1       | 50        |                       | 24.62                    |                        |                     |
| 10              | PI/2 BPSK  | 25      | 0         |                       | 23.97                    |                        | 24.7                |
| 10              | PI/2 BPSK  | 25      | 14        |                       | 24.50                    |                        | 25.2                |
| 10              | PI/2 BPSK  | 25      | 27        |                       | 23.95                    |                        | 24.7                |
| 10              | PI/2 BPSK  | 50      | 0         |                       | 24.04                    |                        |                     |
| 10              | QPSK       | 1       | 1         |                       | 24.50                    |                        |                     |
| 10              | QPSK       | 1       | 26        |                       | 24.53                    |                        | 25.2                |
| 10              | QPSK       | 1       | 50        |                       | 24.60                    |                        |                     |
| 10              | QPSK       | 25      | 0         |                       | 23.48                    |                        |                     |
| 10              | QPSK       | 25      | 14        |                       | 24.45                    |                        | 25.2                |
| 10              | QPSK       | 25      | 27        |                       | 23.47                    |                        | 24.2                |
| 10              | QPSK       | 50      | 0         |                       | 23.55                    |                        |                     |
| 10              | 16QAM      | 1       | 1         |                       | 23.61                    |                        |                     |
| 10              | 64QAM      | 1       | 1         |                       | 22.08                    |                        | 22.7                |
| 10              | 256QAM     | 1       | 1         |                       | 20.10                    |                        | 20.7                |
| Channel         |            |         |           | 155900                | 156400                   | 156900                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 779.5                 | 782                      | 784.5                  |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.43                 | 24.45                    | 24.32                  |                     |



<FR1 n14\_Ant 1\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|
| Channel         |            |         |           |                             | 158600                         |                              |                        |
| Frequency (MHz) |            |         |           |                             | 793                            |                              |                        |
| 10              | PI/2 BPSK  | 1       | 1         |                             | 24.16                          |                              | 25.2                   |
| 10              | PI/2 BPSK  | 1       | 26        |                             | 24.12                          |                              |                        |
| 10              | PI/2 BPSK  | 1       | 50        |                             | 24.06                          |                              |                        |
| 10              | PI/2 BPSK  | 25      | 0         |                             | 23.48                          |                              | 24.7                   |
| 10              | PI/2 BPSK  | 25      | 14        |                             | 24.09                          |                              | 25.2                   |
| 10              | PI/2 BPSK  | 25      | 27        |                             | 23.50                          |                              | 24.7                   |
| 10              | PI/2 BPSK  | 50      | 0         |                             | 23.59                          |                              |                        |
| 10              | QPSK       | 1       | 1         |                             | 24.11                          |                              | 25.2                   |
| 10              | QPSK       | 1       | 26        |                             | 24.10                          |                              |                        |
| 10              | QPSK       | 1       | 50        |                             | 24.08                          |                              |                        |
| 10              | QPSK       | 25      | 0         |                             | 23.14                          |                              | 24.2                   |
| 10              | QPSK       | 25      | 14        |                             | 24.04                          |                              | 25.2                   |
| 10              | QPSK       | 25      | 27        |                             | 23.03                          |                              | 24.2                   |
| 10              | QPSK       | 50      | 0         |                             | 23.05                          |                              |                        |
| 10              | 16QAM      | 1       | 1         |                             | 23.17                          |                              | 24.2                   |
| 10              | 64QAM      | 1       | 1         |                             | 21.74                          |                              | 22.7                   |
| 10              | 256QAM     | 1       | 1         |                             | 19.60                          |                              | 20.7                   |
| Channel         |            |         |           | 158100                      | 158600                         | 159100                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 790.5                       | 793                            | 795.5                        |                        |
| 5               | PI/2 BPSK  | 1       | 1         | 24.03                       | 24.12                          | 23.98                        | 25.2                   |



<FR1 n25\_Ant 1\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 374000                | 376500                   | 379000                 | 25.2                |
| Frequency (MHz) |            |         |           | 1870                  | 1882.5                   | 1895                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 24.70                 | 24.90                    | 24.72                  |                     |
| 40              | PI/2 BPSK  | 1       | 108       | 24.56                 | 24.70                    | 24.53                  | 24.7                |
| 40              | PI/2 BPSK  | 1       | 214       | 24.68                 | 24.84                    | 24.64                  |                     |
| 40              | PI/2 BPSK  | 108     | 0         | 24.01                 | 24.15                    | 23.96                  |                     |
| 40              | PI/2 BPSK  | 108     | 54        | 24.57                 | 24.67                    | 24.57                  | 24.7                |
| 40              | PI/2 BPSK  | 108     | 108       | 24.09                 | 24.27                    | 24.13                  |                     |
| 40              | PI/2 BPSK  | 216     | 0         | 24.08                 | 24.19                    | 24.09                  |                     |
| 40              | QPSK       | 1       | 1         | 24.36                 | 24.52                    | 24.38                  | 25.2                |
| 40              | QPSK       | 1       | 108       | 24.52                 | 24.71                    | 24.54                  |                     |
| 40              | QPSK       | 1       | 214       | 24.72                 | 24.83                    | 24.73                  |                     |
| 40              | QPSK       | 108     | 0         | 23.54                 | 23.65                    | 23.45                  | 24.2                |
| 40              | QPSK       | 108     | 54        | 24.52                 | 24.69                    | 24.50                  |                     |
| 40              | QPSK       | 108     | 108       | 23.57                 | 23.74                    | 23.63                  |                     |
| 40              | QPSK       | 216     | 0         | 23.57                 | 23.68                    | 23.55                  | 24.2                |
| 40              | 16QAM      | 1       | 1         | 23.47                 | 23.62                    | 23.51                  |                     |
| 40              | 64QAM      | 1       | 1         | 22.00                 | 22.15                    | 22.03                  |                     |
| 40              | 256QAM     | 1       | 1         | 20.01                 | 20.20                    | 20.09                  | 20.7                |
| Channel         |            |         |           | 373000                | 376500                   | 380000                 | 25.2                |
| Frequency (MHz) |            |         |           | 1865                  | 1882.5                   | 1900                   |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 24.42                 | 24.55                    | 24.40                  |                     |
| Channel         |            |         |           | 372500                | 376500                   | 380500                 | 25.2                |
| Frequency (MHz) |            |         |           | 1862.5                | 1882.5                   | 1902.5                 |                     |
| 25              | PI/2 BPSK  | 1       | 1         | 24.36                 | 24.51                    | 24.42                  |                     |
| Channel         |            |         |           | 372000                | 376500                   | 381000                 | 25.2                |
| Frequency (MHz) |            |         |           | 1860                  | 1882.5                   | 1905                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.46                 | 24.51                    | 24.39                  |                     |
| Channel         |            |         |           | 371500                | 376500                   | 381500                 | 25.2                |
| Frequency (MHz) |            |         |           | 1857.5                | 1882.5                   | 1907.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.37                 | 24.58                    | 24.38                  |                     |
| Channel         |            |         |           | 371000                | 376500                   | 382000                 | 25.2                |
| Frequency (MHz) |            |         |           | 1855                  | 1882.5                   | 1910                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.39                 | 24.50                    | 24.36                  |                     |
| Channel         |            |         |           | 370500                | 376500                   | 382500                 | 25.2                |
| Frequency (MHz) |            |         |           | 1852.5                | 1882.5                   | 1912.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.41                 | 24.60                    | 24.39                  |                     |



<FR1 n25\_Ant 5\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 374000                | 376500                   | 379000                 | 25.2                |
| Frequency (MHz) |            |         |           | 1870                  | 1882.5                   | 1895                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 24.31                 | 24.33                    | 24.24                  |                     |
| 40              | PI/2 BPSK  | 1       | 108       | 24.14                 | 24.28                    | 24.16                  | 24.7                |
| 40              | PI/2 BPSK  | 1       | 214       | 24.08                 | 24.27                    | 24.09                  |                     |
| 40              | PI/2 BPSK  | 108     | 0         | 23.52                 | 23.71                    | 23.52                  |                     |
| 40              | PI/2 BPSK  | 108     | 54        | 23.99                 | 24.12                    | 24.00                  | 24.7                |
| 40              | PI/2 BPSK  | 108     | 108       | 23.49                 | 23.68                    | 23.58                  |                     |
| 40              | PI/2 BPSK  | 216     | 0         | 23.54                 | 23.67                    | 23.54                  |                     |
| 40              | QPSK       | 1       | 1         | 24.08                 | 24.23                    | 24.10                  | 25.2                |
| 40              | QPSK       | 1       | 108       | 24.08                 | 24.24                    | 24.14                  |                     |
| 40              | QPSK       | 1       | 214       | 24.10                 | 24.23                    | 24.09                  |                     |
| 40              | QPSK       | 108     | 0         | 23.08                 | 23.21                    | 23.02                  | 24.2                |
| 40              | QPSK       | 108     | 54        | 23.96                 | 24.11                    | 24.01                  |                     |
| 40              | QPSK       | 108     | 108       | 23.08                 | 23.21                    | 23.03                  |                     |
| 40              | QPSK       | 216     | 0         | 23.14                 | 23.27                    | 23.09                  | 24.2                |
| 40              | 16QAM      | 1       | 1         | 23.24                 | 23.42                    | 23.25                  |                     |
| 40              | 64QAM      | 1       | 1         | 21.74                 | 21.86                    | 21.69                  |                     |
| 40              | 256QAM     | 1       | 1         | 19.65                 | 19.84                    | 19.64                  | 20.7                |
| Channel         |            |         |           | 373000                | 376500                   | 380000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1865                  | 1882.5                   | 1900                   |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 24.18                 | 24.13                    | 24.11                  |                     |
| Channel         |            |         |           | 372500                | 376500                   | 380500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1862.5                | 1882.5                   | 1902.5                 |                     |
| 25              | PI/2 BPSK  | 1       | 1         | 24.11                 | 24.20                    | 24.07                  |                     |
| Channel         |            |         |           | 372000                | 376500                   | 381000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1860                  | 1882.5                   | 1905                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.14                 | 24.13                    | 24.14                  |                     |
| Channel         |            |         |           | 371500                | 376500                   | 381500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1857.5                | 1882.5                   | 1907.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 23.99                 | 24.15                    | 24.03                  |                     |
| Channel         |            |         |           | 371000                | 376500                   | 382000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1855                  | 1882.5                   | 1910                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.96                 | 24.08                    | 24.06                  |                     |
| Channel         |            |         |           | 370500                | 376500                   | 382500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1852.5                | 1882.5                   | 1912.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 23.95                 | 24.17                    | 23.98                  |                     |

**<FR1 n26\_Ant 1\_DSI 0>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 164800                | 166300                   | 167800                 |                     |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.79                 | 24.81                    | 24.80                  |                     |
| 20              | PI/2 BPSK  | 1       | 53        | 24.64                 | 24.74                    | 24.64                  | 25.2                |
| 20              | PI/2 BPSK  | 1       | 104       | 24.42                 | 24.60                    | 24.43                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 24.15                 | 24.26                    | 24.07                  |                     |
| 20              | PI/2 BPSK  | 50      | 28        | 24.59                 | 24.70                    | 24.58                  | 24.7                |
| 20              | PI/2 BPSK  | 50      | 56        | 23.97                 | 24.11                    | 23.94                  | 25.2                |
| 20              | PI/2 BPSK  | 100     | 0         | 24.00                 | 24.20                    | 24.08                  | 24.7                |
| 20              | QPSK       | 1       | 1         | 24.53                 | 24.70                    | 24.55                  |                     |
| 20              | QPSK       | 1       | 53        | 24.53                 | 24.73                    | 24.57                  |                     |
| 20              | QPSK       | 1       | 104       | 24.46                 | 24.58                    | 24.44                  | 25.2                |
| 20              | QPSK       | 50      | 0         | 23.62                 | 23.75                    | 23.62                  |                     |
| 20              | QPSK       | 50      | 28        | 24.50                 | 24.69                    | 24.58                  |                     |
| 20              | QPSK       | 50      | 56        | 23.52                 | 23.68                    | 23.55                  | 24.2                |
| 20              | QPSK       | 100     | 0         | 23.55                 | 23.71                    | 23.51                  |                     |
| 20              | 16QAM      | 1       | 1         | 23.62                 | 23.82                    | 23.62                  |                     |
| 20              | 64QAM      | 1       | 1         | 22.16                 | 22.35                    | 22.19                  | 24.2                |
| 20              | 256QAM     | 1       | 1         | 20.22                 | 20.35                    | 20.22                  | 22.7                |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | 20.7                |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.54                 | 24.62                    | 24.46                  |                     |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | 25.2                |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.47                 | 24.56                    | 24.51                  |                     |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | 25.2                |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.52                 | 24.64                    | 24.49                  |                     |

**<FR1 n30\_Ant 5\_DSI 0>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 462000                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 2310                     |                        |                     |
| 10              | PI/2 BPSK  | 1       | 1         |                       | 24.67                    |                        |                     |
| 10              | PI/2 BPSK  | 1       | 26        |                       | 24.65                    |                        | 25.2                |
| 10              | PI/2 BPSK  | 1       | 50        |                       | 24.66                    |                        |                     |
| 10              | PI/2 BPSK  | 25      | 0         |                       | 24.09                    |                        |                     |
| 10              | PI/2 BPSK  | 25      | 14        |                       | 24.49                    |                        | 24.7                |
| 10              | PI/2 BPSK  | 25      | 27        |                       | 24.03                    |                        | 25.2                |
| 10              | PI/2 BPSK  | 50      | 0         |                       | 24.01                    |                        | 24.7                |
| 10              | QPSK       | 1       | 1         |                       | 24.63                    |                        |                     |
| 10              | QPSK       | 1       | 26        |                       | 24.64                    |                        |                     |
| 10              | QPSK       | 1       | 50        |                       | 24.63                    |                        | 25.2                |
| 10              | QPSK       | 25      | 0         |                       | 23.58                    |                        |                     |
| 10              | QPSK       | 25      | 14        |                       | 24.44                    |                        |                     |
| 10              | QPSK       | 25      | 27        |                       | 23.51                    |                        | 24.2                |
| 10              | QPSK       | 50      | 0         |                       | 23.49                    |                        |                     |
| 10              | 16QAM      | 1       | 1         |                       | 23.73                    |                        |                     |
| 10              | 64QAM      | 1       | 1         |                       | 22.35                    |                        | 24.2                |
| 10              | 256QAM     | 1       | 1         |                       | 20.14                    |                        | 22.7                |
| Channel         |            |         |           | 461500                | 462000                   | 462500                 | 20.7                |
| Frequency (MHz) |            |         |           | 2307.5                | 2310                     | 2312.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.48                 | 24.55                    | 24.41                  |                     |



<FR1 n38\_Ant 5\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 518000                | 519000                   | 520000                 |                     |
| Frequency (MHz) |            |         |           | 2590                  | 2595                     | 2600                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 23.46                 | 23.66                    | 23.51                  |                     |
| 40              | PI/2 BPSK  | 1       | 53        | 23.22                 | 23.31                    | 23.26                  | 25.2                |
| 40              | PI/2 BPSK  | 1       | 104       | 23.39                 | 23.61                    | 23.37                  |                     |
| 40              | PI/2 BPSK  | 50      | 0         | 22.75                 | 22.88                    | 22.73                  |                     |
| 40              | PI/2 BPSK  | 50      | 28        | 23.24                 | 23.39                    | 23.27                  | 25.2                |
| 40              | PI/2 BPSK  | 50      | 56        | 22.71                 | 22.96                    | 22.73                  | 24.7                |
| 40              | PI/2 BPSK  | 100     | 0         | 22.71                 | 22.89                    | 22.73                  |                     |
| 40              | QPSK       | 1       | 1         | 23.31                 | 23.58                    | 23.37                  |                     |
| 40              | QPSK       | 1       | 53        | 23.27                 | 23.47                    | 23.23                  | 25.2                |
| 40              | QPSK       | 1       | 104       | 23.35                 | 23.56                    | 23.34                  |                     |
| 40              | QPSK       | 50      | 0         | 22.21                 | 22.36                    | 22.25                  |                     |
| 40              | QPSK       | 50      | 28        | 23.24                 | 23.32                    | 23.21                  | 25.2                |
| 40              | QPSK       | 50      | 56        | 22.22                 | 22.44                    | 22.20                  | 24.2                |
| 40              | QPSK       | 100     | 0         | 22.21                 | 22.36                    | 22.26                  |                     |
| 40              | 16QAM      | 1       | 1         | 22.31                 | 22.59                    | 22.41                  |                     |
| 40              | 64QAM      | 1       | 1         | 20.96                 | 21.11                    | 20.95                  | 22.7                |
| 40              | 256QAM     | 1       | 1         | 18.73                 | 19.02                    | 18.85                  | 20.7                |
| Channel         |            |         |           | 517000                | 519000                   | 521000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2585                  | 2595                     | 2605                   |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 23.33                 | 23.46                    | 23.40                  |                     |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.30                 | 23.53                    | 23.40                  |                     |



<FR1 n41\_Ant 5\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 25.2                |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 24.62                 | 24.63                    | 24.31                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 24.18                 | 24.12                    | 23.90                  | 24.7                |
| 100             | PI/2 BPSK  | 1       | 271       | 24.43                 | 24.39                    | 24.12                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 23.59                 | 23.49                    | 23.19                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 23.60                 | 23.61                    | 23.36                  | 24.7                |
| 100             | PI/2 BPSK  | 135     | 138       | 23.46                 | 23.38                    | 23.07                  |                     |
| 100             | PI/2 BPSK  | 270     | 0         | 23.24                 | 23.14                    | 22.90                  |                     |
| 100             | QPSK       | 1       | 1         | 23.64                 | 23.60                    | 23.36                  | 25.2                |
| 100             | QPSK       | 1       | 137       | 23.77                 | 23.71                    | 23.42                  |                     |
| 100             | QPSK       | 1       | 271       | 24.51                 | 24.47                    | 24.20                  |                     |
| 100             | QPSK       | 135     | 0         | 24.05                 | 24.03                    | 23.73                  | 24.2                |
| 100             | QPSK       | 135     | 69        | 23.69                 | 23.61                    | 23.31                  |                     |
| 100             | QPSK       | 135     | 138       | 22.90                 | 22.90                    | 22.60                  |                     |
| 100             | QPSK       | 270     | 0         | 22.73                 | 22.68                    | 22.43                  | 24.2                |
| 100             | 16QAM      | 1       | 1         | 22.57                 | 22.51                    | 22.22                  |                     |
| 100             | 64QAM      | 1       | 1         | 21.24                 | 21.15                    | 20.92                  |                     |
| 100             | 256QAM     | 1       | 1         | 19.10                 | 19.03                    | 18.79                  | 20.7                |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | 25.2                |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 24.36                 | 24.26                    | 23.95                  |                     |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | 25.2                |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 24.31                 | 24.42                    | 24.08                  |                     |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | 25.2                |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 24.32                 | 24.40                    | 24.04                  |                     |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | 25.2                |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 24.25                 | 24.32                    | 23.94                  |                     |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | 25.2                |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 24.30                 | 24.25                    | 23.95                  |                     |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | 25.2                |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 24.35                 | 24.42                    | 24.03                  |                     |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | 25.2                |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.32                 | 24.24                    | 23.94                  |                     |



<FR1 n41\_Ant 2\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 509202                | 518598                   | 528000                 |                     |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 21.16                 | 21.55                    | 21.03                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 21.02                 | 21.47                    | 20.89                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 20.96                 | 21.43                    | 20.90                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 20.95                 | 21.39                    | 20.80                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 20.97                 | 21.43                    | 20.88                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 20.93                 | 21.42                    | 20.80                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 20.92                 | 21.38                    | 20.85                  |                     |
| 100             | QPSK       | 1       | 1         | 21.01                 | 21.41                    | 20.83                  |                     |
| 100             | QPSK       | 1       | 137       | 20.96                 | 21.44                    | 20.91                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 21.01                 | 21.48                    | 20.91                  |                     |
| 100             | QPSK       | 135     | 0         | 21.03                 | 21.43                    | 20.86                  |                     |
| 100             | QPSK       | 135     | 69        | 20.88                 | 21.36                    | 20.77                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 21.00                 | 21.44                    | 20.82                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 21.08                 | 21.48                    | 20.87                  |                     |
| 100             | 16QAM      | 1       | 1         | 20.97                 | 21.43                    | 20.87                  |                     |
| 100             | 64QAM      | 1       | 1         | 20.70                 | 21.17                    | 20.60                  | 22.0                |
| 100             | 256QAM     | 1       | 1         | 19.12                 | 19.56                    | 19.03                  | 20.0                |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.96                 | 21.35                    | 20.87                  |                     |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.96                 | 21.35                    | 20.93                  |                     |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.98                 | 21.39                    | 20.89                  |                     |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.98                 | 21.38                    | 20.92                  |                     |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.04                 | 21.43                    | 20.89                  |                     |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.05                 | 21.43                    | 20.83                  |                     |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.97                 | 21.38                    | 20.89                  |                     |



<FR1 n41\_Ant 3\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 22.0                |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 20.98                 | 21.16                    | 21.58                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 20.53                 | 20.66                    | 21.09                  | 21.5                |
| 100             | PI/2 BPSK  | 1       | 271       | 20.77                 | 20.87                    | 21.29                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 19.83                 | 20.01                    | 20.48                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 20.12                 | 20.09                    | 20.52                  | 21.5                |
| 100             | PI/2 BPSK  | 135     | 138       | 19.67                 | 19.85                    | 20.32                  |                     |
| 100             | PI/2 BPSK  | 270     | 0         | 19.54                 | 19.60                    | 20.02                  |                     |
| 100             | QPSK       | 1       | 1         | 20.16                 | 20.06                    | 20.56                  | 22.0                |
| 100             | QPSK       | 1       | 137       | 20.02                 | 20.19                    | 20.59                  |                     |
| 100             | QPSK       | 1       | 271       | 20.80                 | 20.98                    | 21.48                  |                     |
| 100             | QPSK       | 135     | 0         | 20.45                 | 20.57                    | 19.82                  | 21.0                |
| 100             | QPSK       | 135     | 69        | 20.00                 | 20.10                    | 20.54                  |                     |
| 100             | QPSK       | 135     | 138       | 19.26                 | 19.36                    | 19.85                  |                     |
| 100             | QPSK       | 270     | 0         | 19.06                 | 19.17                    | 19.61                  | 21.0                |
| 100             | 16QAM      | 1       | 1         | 20.17                 | 20.36                    | 20.85                  |                     |
| 100             | 64QAM      | 1       | 1         | 18.89                 | 19.08                    | 19.36                  |                     |
| 100             | 256QAM     | 1       | 1         | 17.12                 | 17.30                    | 17.38                  | 17.5                |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | 22.0                |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.83                 | 20.94                    | 21.41                  |                     |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | 22.0                |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.85                 | 20.96                    | 21.44                  |                     |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | 22.0                |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.86                 | 20.97                    | 21.47                  |                     |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | 22.0                |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.83                 | 20.89                    | 21.47                  |                     |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | 22.0                |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.80                 | 20.97                    | 21.48                  |                     |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | 22.0                |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.85                 | 20.89                    | 21.42                  |                     |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | 22.0                |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.78                 | 20.95                    | 21.39                  |                     |



<FR1 n41\_Ant 4\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 509202                | 518598                   | 528000                 |                     |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 20.08                 | 21.87                    | 20.12                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 20.04                 | 21.80                    | 20.06                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 20.06                 | 21.83                    | 20.07                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 20.03                 | 21.85                    | 20.07                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 20.01                 | 21.77                    | 20.04                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 20.09                 | 21.84                    | 20.08                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 20.06                 | 21.79                    | 20.01                  |                     |
| 100             | QPSK       | 1       | 1         | 20.02                 | 21.82                    | 20.08                  |                     |
| 100             | QPSK       | 1       | 137       | 20.03                 | 21.82                    | 20.10                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 20.01                 | 21.84                    | 20.00                  |                     |
| 100             | QPSK       | 135     | 0         | 20.06                 | 21.84                    | 20.04                  |                     |
| 100             | QPSK       | 135     | 69        | 20.02                 | 21.83                    | 20.08                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 20.02                 | 21.77                    | 20.09                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 20.06                 | 21.76                    | 20.07                  |                     |
| 100             | 16QAM      | 1       | 1         | 20.00                 | 21.78                    | 20.03                  |                     |
| 100             | 64QAM      | 1       | 1         | 20.03                 | 20.66                    | 20.10                  | 21.0                |
| 100             | 256QAM     | 1       | 1         | 18.19                 | 18.85                    | 18.27                  | 20.0                |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.20                 | 21.70                    | 20.23                  |                     |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.26                 | 21.70                    | 20.31                  |                     |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.11                 | 21.74                    | 20.10                  |                     |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.16                 | 21.70                    | 20.13                  |                     |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.20                 | 21.77                    | 20.20                  |                     |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.13                 | 21.75                    | 20.01                  |                     |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.10                 | 21.67                    | 20.16                  |                     |



<FR1 n41\_HPUE\_Ant 5\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 509202                | 518598                   | 528000                 |                     |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 25.22                 | 25.58                    | 25.43                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 25.04                 | 25.46                    | 25.29                  | 27.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 25.01                 | 25.04                    | 25.08                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 24.58                 | 24.81                    | 24.65                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 25.07                 | 25.49                    | 25.29                  | 27.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 24.51                 | 24.51                    | 24.52                  | 26.5                |
| 100             | PI/2 BPSK  | 270     | 0         | 24.53                 | 24.76                    | 24.52                  |                     |
| 100             | QPSK       | 1       | 1         | 25.08                 | 25.44                    | 25.27                  |                     |
| 100             | QPSK       | 1       | 137       | 25.02                 | 25.44                    | 25.26                  | 27.0                |
| 100             | QPSK       | 1       | 271       | 25.06                 | 25.15                    | 25.03                  |                     |
| 100             | QPSK       | 135     | 0         | 24.95                 | 25.33                    | 25.17                  |                     |
| 100             | QPSK       | 135     | 69        | 25.03                 | 25.14                    | 25.03                  | 27.0                |
| 100             | QPSK       | 135     | 138       | 24.64                 | 25.04                    | 24.82                  | 26.0                |
| 100             | QPSK       | 270     | 0         | 24.05                 | 24.35                    | 24.18                  |                     |
| 100             | 16QAM      | 1       | 1         | 24.06                 | 24.52                    | 24.35                  |                     |
| 100             | 64QAM      | 1       | 1         | 22.75                 | 23.14                    | 22.94                  | 24.5                |
| 100             | 256QAM     | 1       | 1         | 20.62                 | 21.07                    | 20.92                  | 22.5                |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 25.10                 | 25.31                    | 25.14                  |                     |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 25.19                 | 25.26                    | 25.12                  |                     |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 25.20                 | 25.30                    | 25.16                  |                     |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 25.16                 | 25.28                    | 25.16                  |                     |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 25.17                 | 25.34                    | 25.16                  |                     |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 25.09                 | 25.26                    | 25.16                  |                     |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 25.07                 | 25.18                    | 25.20                  |                     |



<FR1 n48\_Ant 8\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 638000                | 641666                   | 645332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3570                  | 3624.99                  | 3679.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 23.41                 | 23.66                    | 23.52                  | 24.0                |
| 40              | PI/2 BPSK  | 1       | 53        | 22.65                 | 22.95                    | 22.80                  |                     |
| 40              | PI/2 BPSK  | 1       | 104       | 22.83                 | 23.11                    | 22.97                  |                     |
| 40              | PI/2 BPSK  | 50      | 0         | 22.57                 | 22.92                    | 22.70                  | 23.5                |
| 40              | PI/2 BPSK  | 50      | 28        | 23.05                 | 23.39                    | 23.17                  | 24.0                |
| 40              | PI/2 BPSK  | 50      | 56        | 22.63                 | 22.88                    | 22.69                  | 23.5                |
| 40              | PI/2 BPSK  | 100     | 0         | 22.63                 | 22.92                    | 22.69                  |                     |
| 40              | QPSK       | 1       | 1         | 22.74                 | 23.05                    | 22.89                  | 24.0                |
| 40              | QPSK       | 1       | 53        | 22.73                 | 22.98                    | 22.75                  |                     |
| 40              | QPSK       | 1       | 104       | 22.86                 | 23.18                    | 23.01                  |                     |
| 40              | QPSK       | 50      | 0         | 22.12                 | 22.39                    | 22.23                  | 23.0                |
| 40              | QPSK       | 50      | 28        | 23.02                 | 23.37                    | 23.14                  | 24.0                |
| 40              | QPSK       | 50      | 56        | 22.06                 | 22.33                    | 22.15                  | 23.0                |
| 40              | QPSK       | 100     | 0         | 22.06                 | 22.39                    | 22.22                  |                     |
| 40              | 16QAM      | 1       | 1         | 21.77                 | 22.11                    | 21.92                  | 23.0                |
| 40              | 64QAM      | 1       | 1         | 20.33                 | 20.63                    | 20.42                  | 21.5                |
| 40              | 256QAM     | 1       | 1         | 18.32                 | 18.62                    | 18.41                  | 19.5                |
| Channel         |            |         |           | 637668                | 641666                   | 645666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3565.02               | 3624.99                  | 3684.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 23.21                 | 23.50                    | 23.39                  | 24.0                |
| Channel         |            |         |           | 637334                | 641666                   | 646000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3560.01               | 3624.99                  | 3690                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.31                 | 23.52                    | 23.38                  | 24.0                |
| Channel         |            |         |           | 637000                | 641666                   | 646332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3555                  | 3624.99                  | 3694.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.30                 | 23.55                    | 23.37                  | 24.0                |



<FR1 n48\_Ant 9\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 638000                | 641666                   | 645332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3570                  | 3624.99                  | 3679.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 23.11                 | 23.42                    | 23.24                  | 24.0                |
| 40              | PI/2 BPSK  | 1       | 53        | 22.86                 | 23.15                    | 22.95                  |                     |
| 40              | PI/2 BPSK  | 1       | 104       | 23.07                 | 23.33                    | 23.06                  |                     |
| 40              | PI/2 BPSK  | 50      | 0         | 22.32                 | 22.55                    | 22.29                  | 23.5                |
| 40              | PI/2 BPSK  | 50      | 28        | 22.86                 | 23.07                    | 22.87                  | 24.0                |
| 40              | PI/2 BPSK  | 50      | 56        | 22.37                 | 22.60                    | 22.34                  | 23.5                |
| 40              | PI/2 BPSK  | 100     | 0         | 22.27                 | 22.54                    | 22.32                  |                     |
| 40              | QPSK       | 1       | 1         | 22.85                 | 23.08                    | 22.82                  | 24.0                |
| 40              | QPSK       | 1       | 53        | 22.96                 | 23.22                    | 22.95                  |                     |
| 40              | QPSK       | 1       | 104       | 23.00                 | 23.24                    | 23.03                  |                     |
| 40              | QPSK       | 50      | 0         | 21.81                 | 22.02                    | 21.80                  | 23.0                |
| 40              | QPSK       | 50      | 28        | 22.80                 | 23.04                    | 22.77                  | 24.0                |
| 40              | QPSK       | 50      | 56        | 21.85                 | 22.11                    | 21.87                  | 23.0                |
| 40              | QPSK       | 100     | 0         | 21.73                 | 22.02                    | 21.74                  |                     |
| 40              | 16QAM      | 1       | 1         | 21.95                 | 22.15                    | 21.90                  | 23.0                |
| 40              | 64QAM      | 1       | 1         | 20.45                 | 20.66                    | 20.46                  | 21.5                |
| 40              | 256QAM     | 1       | 1         | 18.35                 | 18.62                    | 18.32                  | 19.5                |
| Channel         |            |         |           | 637334                | 641666                   | 646000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3560.01               | 3624.99                  | 3690                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 22.98                 | 23.26                    | 23.08                  | 24.0                |
| Channel         |            |         |           | 637000                | 641666                   | 646332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3555                  | 3624.99                  | 3694.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 22.99                 | 23.31                    | 23.11                  | 24.0                |



<FR1 n66\_Ant 1\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.82                 | 24.10                    | 23.95                  | 25.2                |
| 20              | PI/2 BPSK  | 1       | 53        | 23.79                 | 23.97                    | 23.80                  |                     |
| 20              | PI/2 BPSK  | 1       | 104       | 23.80                 | 23.95                    | 23.78                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 23.26                 | 23.42                    | 23.24                  | 24.7                |
| 20              | PI/2 BPSK  | 50      | 28        | 23.87                 | 23.99                    | 23.82                  | 25.2                |
| 20              | PI/2 BPSK  | 50      | 56        | 23.25                 | 23.38                    | 23.19                  | 24.7                |
| 20              | PI/2 BPSK  | 100     | 0         | 23.21                 | 23.35                    | 23.17                  |                     |
| 20              | QPSK       | 1       | 1         | 23.69                 | 23.88                    | 23.74                  | 25.2                |
| 20              | QPSK       | 1       | 53        | 23.81                 | 23.94                    | 23.75                  |                     |
| 20              | QPSK       | 1       | 104       | 23.83                 | 23.96                    | 23.83                  |                     |
| 20              | QPSK       | 50      | 0         | 22.80                 | 22.95                    | 22.77                  | 24.2                |
| 20              | QPSK       | 50      | 28        | 23.79                 | 23.96                    | 23.79                  | 25.2                |
| 20              | QPSK       | 50      | 56        | 22.74                 | 22.91                    | 22.75                  | 24.2                |
| 20              | QPSK       | 100     | 0         | 22.73                 | 22.86                    | 22.71                  |                     |
| 20              | 16QAM      | 1       | 1         | 22.85                 | 22.99                    | 22.79                  | 24.2                |
| 20              | 64QAM      | 1       | 1         | 21.46                 | 21.56                    | 21.46                  | 22.7                |
| 20              | 256QAM     | 1       | 1         | 19.39                 | 19.49                    | 19.29                  | 20.7                |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 23.64                 | 23.78                    | 23.68                  | 25.2                |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.67                 | 23.82                    | 23.70                  | 25.2                |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 23.62                 | 23.78                    | 23.62                  | 25.2                |



<FR1 n66\_Ant 5\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.79                 | 24.19                    | 24.13                  | 25.2                |
| 20              | PI/2 BPSK  | 1       | 53        | 23.65                 | 23.85                    | 23.81                  |                     |
| 20              | PI/2 BPSK  | 1       | 104       | 23.81                 | 24.04                    | 24.04                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 23.10                 | 23.34                    | 23.24                  | 24.7                |
| 20              | PI/2 BPSK  | 50      | 28        | 23.54                 | 23.84                    | 23.75                  | 25.2                |
| 20              | PI/2 BPSK  | 50      | 56        | 23.15                 | 23.42                    | 23.40                  | 24.7                |
| 20              | PI/2 BPSK  | 100     | 0         | 23.13                 | 23.36                    | 23.28                  |                     |
| 20              | QPSK       | 1       | 1         | 23.53                 | 23.82                    | 23.82                  | 25.2                |
| 20              | QPSK       | 1       | 53        | 23.60                 | 23.84                    | 23.84                  |                     |
| 20              | QPSK       | 1       | 104       | 23.74                 | 24.02                    | 23.95                  |                     |
| 20              | QPSK       | 50      | 0         | 22.58                 | 22.80                    | 22.80                  | 24.2                |
| 20              | QPSK       | 50      | 28        | 23.58                 | 23.88                    | 23.85                  | 25.2                |
| 20              | QPSK       | 50      | 56        | 22.63                 | 22.89                    | 22.80                  | 24.2                |
| 20              | QPSK       | 100     | 0         | 22.61                 | 22.86                    | 22.83                  |                     |
| 20              | 16QAM      | 1       | 1         | 22.65                 | 22.89                    | 22.83                  | 24.2                |
| 20              | 64QAM      | 1       | 1         | 21.15                 | 21.42                    | 21.42                  | 22.7                |
| 20              | 256QAM     | 1       | 1         | 19.18                 | 19.38                    | 19.35                  | 20.7                |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 23.65                 | 24.06                    | 23.98                  | 25.2                |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.62                 | 24.03                    | 23.98                  | 25.2                |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 23.62                 | 24.00                    | 24.00                  | 25.2                |



<FR1 n71\_Ant 1\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 134600                | 136100                   | 137600                 | 25.2                |
| Frequency (MHz) |            |         |           | 673                   | 680.5                    | 688                    |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.69                 | 24.75                    | 24.61                  |                     |
| 20              | PI/2 BPSK  | 1       | 53        | 24.47                 | 24.66                    | 24.52                  | 24.7                |
| 20              | PI/2 BPSK  | 1       | 104       | 24.62                 | 24.73                    | 24.54                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 23.93                 | 24.08                    | 23.95                  |                     |
| 20              | PI/2 BPSK  | 50      | 28        | 24.41                 | 24.58                    | 24.41                  | 24.7                |
| 20              | PI/2 BPSK  | 50      | 56        | 24.01                 | 24.12                    | 23.93                  |                     |
| 20              | PI/2 BPSK  | 100     | 0         | 23.83                 | 24.03                    | 23.93                  |                     |
| 20              | QPSK       | 1       | 1         | 24.53                 | 24.66                    | 24.52                  | 25.2                |
| 20              | QPSK       | 1       | 53        | 24.53                 | 24.65                    | 24.50                  |                     |
| 20              | QPSK       | 1       | 104       | 24.56                 | 24.74                    | 24.64                  |                     |
| 20              | QPSK       | 50      | 0         | 23.37                 | 23.56                    | 23.37                  | 24.2                |
| 20              | QPSK       | 50      | 28        | 24.47                 | 24.58                    | 24.47                  |                     |
| 20              | QPSK       | 50      | 56        | 23.43                 | 23.63                    | 23.45                  |                     |
| 20              | QPSK       | 100     | 0         | 23.37                 | 23.54                    | 23.42                  | 22.7                |
| 20              | 16QAM      | 1       | 1         | 23.51                 | 23.69                    | 23.53                  |                     |
| 20              | 64QAM      | 1       | 1         | 22.06                 | 22.18                    | 22.02                  |                     |
| 20              | 256QAM     | 1       | 1         | 19.75                 | 19.93                    | 19.80                  | 20.7                |
| Channel         |            |         |           | 134100                | 136100                   | 138100                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 670.5                 | 680.5                    | 690.5                  |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.37                 | 24.53                    | 24.37                  | 25.2                |
| Channel         |            |         |           | 133600                | 136100                   | 138600                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 668                   | 680.5                    | 693                    |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.29                 | 24.51                    | 24.34                  | 25.2                |
| Channel         |            |         |           | 133100                | 136100                   | 139100                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 665.5                 | 680.5                    | 695.5                  |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.32                 | 24.53                    | 24.33                  | 25.2                |



<FR1 n77\_Ant 8\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 650000                | 656000                   | 662000                 | 25.2                |
| Frequency (MHz) |            |         |           | 3750                  | 3840                     | 3930                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 23.44                 | 24.17                    | 23.99                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 23.27                 | 24.09                    | 23.85                  | 24.7                |
| 100             | PI/2 BPSK  | 1       | 271       | 23.28                 | 24.08                    | 23.83                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 23.16                 | 23.96                    | 23.74                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 23.27                 | 23.97                    | 23.71                  | 24.7                |
| 100             | PI/2 BPSK  | 135     | 138       | 23.20                 | 23.96                    | 23.75                  |                     |
| 100             | PI/2 BPSK  | 270     | 0         | 23.25                 | 24.01                    | 23.78                  |                     |
| 100             | QPSK       | 1       | 1         | 23.21                 | 23.86                    | 23.64                  | 25.2                |
| 100             | QPSK       | 1       | 137       | 23.22                 | 24.03                    | 23.77                  |                     |
| 100             | QPSK       | 1       | 271       | 23.24                 | 23.99                    | 23.77                  |                     |
| 100             | QPSK       | 135     | 0         | 23.16                 | 23.95                    | 23.67                  | 24.2                |
| 100             | QPSK       | 135     | 69        | 23.25                 | 23.90                    | 23.62                  |                     |
| 100             | QPSK       | 135     | 138       | 23.16                 | 23.91                    | 23.67                  |                     |
| 100             | QPSK       | 270     | 0         | 23.22                 | 23.98                    | 23.75                  | 24.2                |
| 100             | 16QAM      | 1       | 1         | 22.95                 | 23.68                    | 23.40                  |                     |
| 100             | 64QAM      | 1       | 1         | 21.69                 | 22.50                    | 22.23                  |                     |
| 100             | 256QAM     | 1       | 1         | 19.70                 | 20.48                    | 20.27                  | 20.7                |
| Channel         |            |         |           | 649668                | 656000                   | 662332                 | 25.2                |
| Frequency (MHz) |            |         |           | 3745.02               | 3840                     | 3934.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 23.34                 | 24.07                    | 23.82                  |                     |
| Channel         |            |         |           | 649334                | 656000                   | 662666                 | 25.2                |
| Frequency (MHz) |            |         |           | 3740.01               | 3840                     | 3939.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 23.25                 | 24.05                    | 23.83                  |                     |
| Channel         |            |         |           | 649000                | 656000                   | 663000                 | 25.2                |
| Frequency (MHz) |            |         |           | 3735                  | 3840                     | 3945                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 23.33                 | 24.04                    | 23.81                  |                     |
| Channel         |            |         |           | 648668                | 656000                   | 663332                 | 25.2                |
| Frequency (MHz) |            |         |           | 3730.02               | 3840                     | 3949.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 23.26                 | 24.01                    | 23.79                  |                     |
| Channel         |            |         |           | 648334                | 656000                   | 663666                 | 25.2                |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3954.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 23.30                 | 23.99                    | 23.82                  |                     |
| Channel         |            |         |           | 648000                | 656000                   | 664000                 | 25.2                |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 23.29                 | 24.04                    | 23.80                  |                     |
| Channel         |            |         |           | 647668                | 656000                   | 664332                 | 25.2                |
| Frequency (MHz) |            |         |           | 3715.02               | 3840.00                  | 3964.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 23.28                 | 24.03                    | 23.84                  |                     |
| Channel         |            |         |           | 647334                | 656000                   | 664666                 | 25.2                |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3969.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.31                 | 24.06                    | 23.83                  |                     |
| Channel         |            |         |           | 647168                | 656000                   | 664832                 | 25.2                |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 23.34                 | 24.06                    | 23.86                  |                     |
| Channel         |            |         |           | 647000                | 656000                   | 665000                 | 25.2                |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.36                 | 23.98                    | 23.71                  |                     |



&lt;FR1 n77\_Ant 9\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 650000                | 656000                   | 662000                 | 22.0                |
| Frequency (MHz) |            |         |           | 3750                  | 3840                     | 3930                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 21.72                 | 21.75                    | 21.74                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 21.58                 | 21.59                    | 21.47                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 21.43                 | 21.46                    | 21.26                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 21.42                 | 21.49                    | 21.38                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 21.43                 | 21.50                    | 21.40                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 21.37                 | 21.43                    | 21.28                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 21.40                 | 21.46                    | 21.33                  |                     |
| 100             | QPSK       | 1       | 1         | 21.51                 | 21.53                    | 21.36                  |                     |
| 100             | QPSK       | 1       | 137       | 21.61                 | 21.67                    | 21.49                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 21.48                 | 21.53                    | 21.35                  |                     |
| 100             | QPSK       | 135     | 0         | 20.91                 | 20.97                    | 20.81                  |                     |
| 100             | QPSK       | 135     | 69        | 21.39                 | 21.48                    | 21.37                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 20.98                 | 20.99                    | 20.88                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 20.91                 | 20.96                    | 20.77                  |                     |
| 100             | 16QAM      | 1       | 1         | 20.81                 | 20.86                    | 20.71                  |                     |
| 100             | 64QAM      | 1       | 1         | 21.18                 | 21.23                    | 21.10                  | 22.0                |
| 100             | 256QAM     | 1       | 1         | 19.68                 | 19.76                    | 19.57                  | 20.0                |
| Channel         |            |         |           | 649668                | 656000                   | 662332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3745.02               | 3840                     | 3934.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.53                 | 21.59                    | 21.55                  |                     |
| Channel         |            |         |           | 649334                | 656000                   | 662666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3740.01               | 3840                     | 3939.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.55                 | 21.62                    | 21.63                  |                     |
| Channel         |            |         |           | 649000                | 656000                   | 663000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3735                  | 3840                     | 3945                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.56                 | 21.56                    | 21.63                  |                     |
| Channel         |            |         |           | 648668                | 656000                   | 663332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3730.02               | 3840                     | 3949.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.59                 | 21.61                    | 21.61                  |                     |
| Channel         |            |         |           | 648334                | 656000                   | 663666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3954.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.59                 | 21.58                    | 21.64                  |                     |
| Channel         |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.60                 | 21.60                    | 21.54                  |                     |
| Channel         |            |         |           | 647668                | 656000                   | 664332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3715.02               | 3840.00                  | 3964.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.59                 | 21.63                    | 21.55                  |                     |
| Channel         |            |         |           | 647334                | 656000                   | 664666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3969.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.54                 | 21.58                    | 21.57                  |                     |
| Channel         |            |         |           | 647168                | 656000                   | 664832                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.62                 | 21.57                    | 21.62                  |                     |
| Channel         |            |         |           | 647000                | 656000                   | 665000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.56                 | 21.64                    | 21.55                  |                     |



<FR1 n77\_Ant 4\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 650000                | 656000                   | 662000                 | 22.0                |
| Frequency (MHz) |            |         |           | 3750                  | 3840                     | 3930                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 21.90                 | 21.44                    | 21.64                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 21.89                 | 21.60                    | 21.57                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 21.86                 | 21.62                    | 21.60                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 21.82                 | 21.53                    | 21.44                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 21.75                 | 21.53                    | 21.48                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 21.83                 | 21.53                    | 21.51                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 21.79                 | 21.50                    | 21.40                  |                     |
| 100             | QPSK       | 1       | 1         | 21.75                 | 21.48                    | 21.41                  |                     |
| 100             | QPSK       | 1       | 137       | 21.84                 | 21.63                    | 21.60                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 20.91                 | 21.70                    | 21.68                  |                     |
| 100             | QPSK       | 135     | 0         | 21.74                 | 21.48                    | 21.40                  |                     |
| 100             | QPSK       | 135     | 69        | 21.73                 | 21.51                    | 21.45                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 21.73                 | 21.50                    | 21.40                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 21.81                 | 21.53                    | 21.43                  |                     |
| 100             | 16QAM      | 1       | 1         | 21.80                 | 21.60                    | 21.60                  |                     |
| 100             | 64QAM      | 1       | 1         | 21.69                 | 21.49                    | 21.47                  | 22.0                |
| 100             | 256QAM     | 1       | 1         | 20.66                 | 20.45                    | 20.37                  | 20.7                |
| Channel         |            |         |           | 649668                | 656000                   | 662332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3745.02               | 3840                     | 3934.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.76                 | 21.24                    | 21.52                  |                     |
| Channel         |            |         |           | 649334                | 656000                   | 662666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3740.01               | 3840                     | 3939.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.72                 | 21.28                    | 21.54                  |                     |
| Channel         |            |         |           | 649000                | 656000                   | 663000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3735                  | 3840                     | 3945                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.76                 | 21.24                    | 21.47                  |                     |
| Channel         |            |         |           | 648668                | 656000                   | 663332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3730.02               | 3840                     | 3949.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.80                 | 21.29                    | 21.46                  |                     |
| Channel         |            |         |           | 648334                | 656000                   | 663666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3954.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.72                 | 21.25                    | 21.45                  |                     |
| Channel         |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.80                 | 21.28                    | 21.49                  |                     |
| Channel         |            |         |           | 647668                | 656000                   | 664332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3715.02               | 3840.00                  | 3964.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.73                 | 21.28                    | 21.54                  |                     |
| Channel         |            |         |           | 647334                | 656000                   | 664666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3969.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.73                 | 21.26                    | 21.53                  |                     |
| Channel         |            |         |           | 647168                | 656000                   | 664832                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.71                 | 21.26                    | 21.46                  |                     |
| Channel         |            |         |           | 647000                | 656000                   | 665000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.75                 | 21.34                    | 21.48                  |                     |



&lt;FR1 n77\_Ant 3\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 650000                | 656000                   | 662000                 | 22.0                |
| Frequency (MHz) |            |         |           | 3750                  | 3840                     | 3930                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 21.08                 | 21.08                    | 21.31                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 20.87                 | 20.95                    | 21.05                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 21.04                 | 21.06                    | 21.26                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 20.77                 | 20.82                    | 20.92                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 20.85                 | 20.92                    | 21.10                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 20.81                 | 20.84                    | 20.95                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 20.86                 | 20.92                    | 21.12                  |                     |
| 100             | QPSK       | 1       | 1         | 20.88                 | 20.95                    | 21.15                  |                     |
| 100             | QPSK       | 1       | 137       | 20.94                 | 20.95                    | 21.06                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 20.80                 | 21.08                    | 21.30                  |                     |
| 100             | QPSK       | 135     | 0         | 20.81                 | 20.90                    | 21.04                  |                     |
| 100             | QPSK       | 135     | 69        | 20.86                 | 20.88                    | 21.07                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 20.82                 | 20.92                    | 21.05                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 20.77                 | 20.85                    | 21.03                  |                     |
| 100             | 16QAM      | 1       | 1         | 20.94                 | 21.00                    | 21.17                  |                     |
| 100             | 64QAM      | 1       | 1         | 20.95                 | 21.01                    | 21.12                  | 22.0                |
| 100             | 256QAM     | 1       | 1         | 19.94                 | 19.95                    | 20.13                  | 20.7                |
| Channel         |            |         |           | 649668                | 656000                   | 662332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3745.02               | 3840                     | 3934.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.91                 | 20.95                    | 21.17                  |                     |
| Channel         |            |         |           | 649334                | 656000                   | 662666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3740.01               | 3840                     | 3939.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.95                 | 20.88                    | 21.20                  |                     |
| Channel         |            |         |           | 649000                | 656000                   | 663000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3735                  | 3840                     | 3945                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 20.97                 | 20.96                    | 21.16                  |                     |
| Channel         |            |         |           | 648668                | 656000                   | 663332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3730.02               | 3840                     | 3949.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.91                 | 20.97                    | 21.20                  |                     |
| Channel         |            |         |           | 648334                | 656000                   | 663666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3954.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.92                 | 20.93                    | 21.17                  |                     |
| Channel         |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.91                 | 20.90                    | 21.17                  |                     |
| Channel         |            |         |           | 647668                | 656000                   | 664332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3715.02               | 3840.00                  | 3964.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.91                 | 20.92                    | 21.20                  |                     |
| Channel         |            |         |           | 647334                | 656000                   | 664666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3969.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.98                 | 20.93                    | 21.21                  |                     |
| Channel         |            |         |           | 647168                | 656000                   | 664832                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 20.98                 | 20.91                    | 21.17                  |                     |
| Channel         |            |         |           | 647000                | 656000                   | 665000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 20.96                 | 20.98                    | 21.20                  |                     |



&lt;FR1 n77\_HPUE\_Ant 8\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 650000                | 656000                   | 662000                 | 27.0                |
| Frequency (MHz) |            |         |           | 3750                  | 3840                     | 3930                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 25.80                 | 26.24                    | 25.93                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 25.47                 | 26.00                    | 25.64                  | 26.5                |
| 100             | PI/2 BPSK  | 1       | 271       | 25.68                 | 26.13                    | 25.73                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 25.41                 | 25.95                    | 25.60                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 25.47                 | 25.98                    | 25.61                  | 27.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 25.52                 | 25.96                    | 25.60                  | 26.5                |
| 100             | PI/2 BPSK  | 270     | 0         | 25.55                 | 25.99                    | 25.60                  |                     |
| 100             | QPSK       | 1       | 1         | 25.50                 | 25.95                    | 25.57                  |                     |
| 100             | QPSK       | 1       | 137       | 25.50                 | 26.01                    | 25.60                  | 27.0                |
| 100             | QPSK       | 1       | 271       | 25.61                 | 26.06                    | 25.72                  |                     |
| 100             | QPSK       | 135     | 0         | 25.41                 | 25.91                    | 25.55                  |                     |
| 100             | QPSK       | 135     | 69        | 25.47                 | 25.93                    | 25.54                  | 26.0                |
| 100             | QPSK       | 135     | 138       | 25.39                 | 25.91                    | 25.53                  | 27.0                |
| 100             | QPSK       | 270     | 0         | 25.50                 | 25.94                    | 25.55                  |                     |
| 100             | 16QAM      | 1       | 1         | 25.45                 | 25.89                    | 25.57                  |                     |
| 100             | 64QAM      | 1       | 1         | 23.90                 | 24.38                    | 24.06                  | 26.0                |
| 100             | 256QAM     | 1       | 1         | 22.00                 | 22.45                    | 22.04                  | 24.5                |
| Channel         |            |         |           | 649668                | 656000                   | 662332                 | 22.5                |
| Frequency (MHz) |            |         |           | 3745.02               | 3840                     | 3934.98                | Tune-up limit (dBm) |
| 90              | PI/2 BPSK  | 1       | 1         | 25.65                 | 26.14                    | 25.79                  | 27.0                |
| Channel         |            |         |           | 649334                | 656000                   | 662666                 | 27.0                |
| Frequency (MHz) |            |         |           | 3740.01               | 3840                     | 3939.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 25.60                 | 26.10                    | 25.80                  |                     |
| Channel         |            |         |           | 649000                | 656000                   | 663000                 | 27.0                |
| Frequency (MHz) |            |         |           | 3735                  | 3840                     | 3945                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 25.67                 | 26.11                    | 25.80                  |                     |
| Channel         |            |         |           | 648668                | 656000                   | 663332                 | 27.0                |
| Frequency (MHz) |            |         |           | 3730.02               | 3840                     | 3949.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 25.61                 | 26.13                    | 25.73                  |                     |
| Channel         |            |         |           | 648334                | 656000                   | 663666                 | 27.0                |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3954.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 25.68                 | 26.04                    | 25.76                  |                     |
| Channel         |            |         |           | 648000                | 656000                   | 664000                 | 27.0                |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 25.63                 | 26.08                    | 25.78                  |                     |
| Channel         |            |         |           | 647668                | 656000                   | 664332                 | 27.0                |
| Frequency (MHz) |            |         |           | 3715.02               | 3840.00                  | 3964.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 25.67                 | 26.07                    | 25.79                  |                     |
| Channel         |            |         |           | 647334                | 656000                   | 664666                 | 27.0                |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3969.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 25.65                 | 26.06                    | 25.76                  |                     |
| Channel         |            |         |           | 647168                | 656000                   | 664832                 | 27.0                |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 25.67                 | 26.06                    | 25.82                  |                     |
| Channel         |            |         |           | 647000                | 656000                   | 665000                 | 27.0                |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 25.67                 | 25.86                    | 25.69                  |                     |



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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 23.44                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 23.28                    |                        | 25.2                |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 23.29                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 23.14                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 23.24                    |                        | 24.7                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 23.13                    |                        | 25.2                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 23.18                    |                        | 24.7                |
| 100             | QPSK       | 1       | 1         |                       | 23.28                    |                        |                     |
| 100             | QPSK       | 1       | 137       |                       | 23.23                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 23.27                    |                        | 25.2                |
| 100             | QPSK       | 135     | 0         |                       | 23.17                    |                        |                     |
| 100             | QPSK       | 135     | 69        |                       | 23.23                    |                        |                     |
| 100             | QPSK       | 135     | 138       |                       | 23.08                    |                        | 24.2                |
| 100             | QPSK       | 270     | 0         |                       | 23.24                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 22.89                    |                        |                     |
| 100             | 64QAM      | 1       | 1         |                       | 21.76                    |                        | 24.2                |
| 100             | 256QAM     | 1       | 1         |                       | 19.66                    |                        | 22.7                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | 20.7                |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 23.30                 | 23.25                    | 23.28                  |                     |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | 25.2                |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 23.23                 | 23.20                    | 23.28                  |                     |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | 25.2                |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 23.23                 | 23.29                    | 23.22                  |                     |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | 25.2                |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 23.30                 | 23.21                    | 23.29                  |                     |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | 25.2                |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 23.20                 | 23.25                    | 23.25                  |                     |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | 25.2                |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 23.28                 | 23.20                    | 23.28                  |                     |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | 25.2                |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 23.26                 | 23.30                    | 23.27                  |                     |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | 25.2                |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.23                 | 23.28                    | 23.22                  |                     |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | 25.2                |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 23.24                 | 23.29                    | 23.21                  |                     |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | 25.2                |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.23                 | 23.20                    | 23.21                  |                     |



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| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 21.33                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 21.13                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 21.07                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 21.10                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 21.11                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 21.01                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 21.00                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 21.06                    |                        |                     |
| 100             | QPSK       | 1       | 137       |                       | 21.23                    |                        | 22.0                |
| 100             | QPSK       | 1       | 271       |                       | 21.10                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 20.54                    |                        |                     |
| 100             | QPSK       | 135     | 69        |                       | 21.04                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 20.56                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 20.49                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 20.42                    |                        |                     |
| 100             | 64QAM      | 1       | 1         |                       | 20.78                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 19.82                    |                        | 20.0                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.15                 | 21.13                    | 21.13                  |                     |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.05                 | 20.99                    | 21.03                  |                     |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 20.98                 | 20.99                    | 20.94                  |                     |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.00                 | 20.94                    | 20.94                  |                     |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.96                 | 20.98                    | 20.99                  |                     |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.03                 | 20.97                    | 21.00                  |                     |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.01                 | 21.02                    | 20.93                  |                     |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.97                 | 21.00                    | 21.01                  |                     |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.04                 | 21.02                    | 20.99                  |                     |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.11                 | 21.15                    | 21.08                  |                     |



<FR1 n77\_Ant 4\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 20.91                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 20.77                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 20.82                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 20.77                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 20.75                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 20.77                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 20.74                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 20.80                    |                        | 22.0                |
| 100             | QPSK       | 1       | 137       |                       | 20.85                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 20.90                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 20.76                    |                        | 22.0                |
| 100             | QPSK       | 135     | 69        |                       | 20.75                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 20.73                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 20.72                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 20.90                    |                        | 22.0                |
| 100             | 64QAM      | 1       | 1         |                       | 20.85                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 19.88                    |                        | 20.7                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.71                 | 20.74                    | 20.77                  | 22.0                |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.58                 | 20.61                    | 20.58                  | 22.0                |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 20.59                 | 20.64                    | 20.66                  | 22.0                |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.61                 | 20.59                    | 20.65                  | 22.0                |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.58                 | 20.60                    | 20.59                  | 22.0                |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.61                 | 20.57                    | 20.60                  | 22.0                |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.61                 | 20.56                    | 20.59                  | 22.0                |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.61                 | 20.61                    | 20.57                  | 22.0                |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 20.54                 | 20.54                    | 20.65                  | 22.0                |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 20.53                 | 20.60                    | 20.62                  | 22.0                |



<FR1 n77\_Ant 3\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 20.62                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 20.39                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 20.22                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 20.41                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 20.45                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 20.22                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 20.38                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 20.53                    |                        | 22.0                |
| 100             | QPSK       | 1       | 137       |                       | 20.36                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 20.32                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 20.49                    |                        | 22.0                |
| 100             | QPSK       | 135     | 69        |                       | 20.33                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 20.22                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 20.33                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 20.55                    |                        | 22.0                |
| 100             | 64QAM      | 1       | 1         |                       | 20.61                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 19.60                    |                        | 20.7                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.44                 | 20.50                    | 20.50                  | 22.0                |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.28                 | 20.32                    | 20.38                  | 22.0                |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 20.28                 | 20.38                    | 20.38                  | 22.0                |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.34                 | 20.32                    | 20.31                  | 22.0                |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.28                 | 20.37                    | 20.33                  | 22.0                |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.25                 | 20.32                    | 20.34                  | 22.0                |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.28                 | 20.37                    | 20.34                  | 22.0                |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.26                 | 20.38                    | 20.33                  | 22.0                |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 20.34                 | 20.35                    | 20.37                  | 22.0                |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 20.34                 | 20.35                    | 20.39                  | 22.0                |



<FR1 n77\_HPUE\_Ant 8\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 25.48                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 25.15                    |                        | 27.0                |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 25.29                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 25.10                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 25.14                    |                        | 26.5                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 25.12                    |                        | 27.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 25.13                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 25.17                    |                        |                     |
| 100             | QPSK       | 1       | 137       |                       | 25.21                    |                        | 27.0                |
| 100             | QPSK       | 1       | 271       |                       | 25.30                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 25.05                    |                        |                     |
| 100             | QPSK       | 135     | 69        |                       | 25.14                    |                        | 26.0                |
| 100             | QPSK       | 135     | 138       |                       | 25.09                    |                        | 27.0                |
| 100             | QPSK       | 270     | 0         |                       | 25.13                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 25.09                    |                        |                     |
| 100             | 64QAM      | 1       | 1         |                       | 23.53                    |                        | 26.0                |
| 100             | 256QAM     | 1       | 1         |                       | 21.63                    |                        | 24.5                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | 22.5                |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 25.40                 | 25.42                    | 25.36                  |                     |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | 27.0                |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 25.26                 | 25.23                    | 25.20                  |                     |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | 27.0                |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 25.22                 | 25.25                    | 25.25                  |                     |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | 27.0                |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 25.22                 | 25.30                    | 25.24                  |                     |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | 27.0                |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 25.30                 | 25.25                    | 25.22                  |                     |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | 27.0                |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 25.23                 | 25.24                    | 25.24                  |                     |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | 27.0                |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 25.20                 | 25.30                    | 25.22                  |                     |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | 27.0                |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 25.30                 | 25.23                    | 25.24                  |                     |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | 27.0                |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 25.25                 | 25.29                    | 25.18                  |                     |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | 27.0                |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 25.27                 | 25.23                    | 25.23                  |                     |



<FR1 n77/n78\_Ant 8\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 640000                | 641666                   | 643332                 | 22.0                |
| Frequency (MHz) |            |         |           | 3600                  | 3624.99                  | 3649.98                |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 21.52                 | 21.58                    | 21.53                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 21.47                 | 21.53                    | 21.49                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 21.49                 | 21.51                    | 21.50                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 21.32                 | 21.42                    | 21.34                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 21.40                 | 21.48                    | 21.41                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 21.37                 | 21.47                    | 21.40                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 21.34                 | 21.39                    | 21.36                  |                     |
| 100             | QPSK       | 1       | 1         | 21.31                 | 21.38                    | 21.35                  |                     |
| 100             | QPSK       | 1       | 137       | 21.50                 | 21.57                    | 21.57                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 21.50                 | 21.55                    | 21.47                  |                     |
| 100             | QPSK       | 135     | 0         | 21.45                 | 21.47                    | 21.38                  |                     |
| 100             | QPSK       | 135     | 69        | 21.38                 | 21.42                    | 21.34                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 21.36                 | 21.44                    | 21.36                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 21.41                 | 21.41                    | 21.34                  |                     |
| 100             | 16QAM      | 1       | 1         | 21.47                 | 21.50                    | 21.49                  |                     |
| 100             | 64QAM      | 1       | 1         | 21.35                 | 21.45                    | 21.44                  | 22.0                |
| 100             | 256QAM     | 1       | 1         | 19.85                 | 19.91                    | 19.92                  | 20.0                |
| Channel         |            |         |           | 639668                | 641666                   | 643666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3595.02               | 3624.99                  | 3654.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.37                 | 21.47                    | 21.41                  |                     |
| Channel         |            |         |           | 639334                | 641666                   | 644000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3590.01               | 3624.99                  | 3660                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.42                 | 21.43                    | 21.33                  |                     |
| Channel         |            |         |           | 639000                | 641666                   | 644332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3585                  | 3624.99                  | 3664.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.35                 | 21.47                    | 21.40                  |                     |
| Channel         |            |         |           | 638668                | 641666                   | 644666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3580.02               | 3624.99                  | 3669.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.40                 | 21.43                    | 21.43                  |                     |
| Channel         |            |         |           | 638334                | 641666                   | 645000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3575.01               | 3624.99                  | 3675                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.41                 | 21.40                    | 21.40                  |                     |
| Channel         |            |         |           | 638000                | 641666                   | 645332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3570                  | 3624.99                  | 3679.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.38                 | 21.43                    | 21.36                  |                     |
| Channel         |            |         |           | 637668                | 641666                   | 645666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3565.02               | 3624.99                  | 3684.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.35                 | 21.45                    | 21.39                  |                     |
| Channel         |            |         |           | 637334                | 641666                   | 646000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3560.01               | 3624.99                  | 3690                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.32                 | 21.43                    | 21.42                  |                     |
| Channel         |            |         |           | 637168                | 641666                   | 646166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3557.52               | 3624.99                  | 3692.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.33                 | 21.41                    | 21.42                  |                     |
| Channel         |            |         |           | 637000                | 641666                   | 646332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3555                  | 3624.99                  | 3694.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.40                 | 21.38                    | 21.30                  |                     |



<FR1 n77/n78\_Ant 9\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 640000                | 641666                   | 643332                 | 22.0                |
| Frequency (MHz) |            |         |           | 3600                  | 3624.99                  | 3649.98                |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 21.62                 | 21.65                    | 21.61                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 21.40                 | 21.47                    | 21.40                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 21.60                 | 21.64                    | 21.58                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 21.21                 | 21.31                    | 21.31                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 21.38                 | 21.42                    | 21.32                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 21.42                 | 21.47                    | 21.45                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 21.43                 | 21.44                    | 21.36                  |                     |
| 100             | QPSK       | 1       | 1         | 21.16                 | 21.23                    | 21.15                  |                     |
| 100             | QPSK       | 1       | 137       | 21.50                 | 21.57                    | 21.50                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 21.52                 | 21.60                    | 21.57                  |                     |
| 100             | QPSK       | 135     | 0         | 21.24                 | 21.28                    | 21.21                  |                     |
| 100             | QPSK       | 135     | 69        | 21.40                 | 21.42                    | 21.38                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 21.44                 | 21.50                    | 21.44                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 21.30                 | 21.32                    | 21.26                  |                     |
| 100             | 16QAM      | 1       | 1         | 21.27                 | 21.30                    | 21.24                  |                     |
| 100             | 64QAM      | 1       | 1         | 21.27                 | 21.29                    | 21.19                  | 22.0                |
| 100             | 256QAM     | 1       | 1         | 19.19                 | 19.28                    | 19.25                  | 20.0                |
| Channel         |            |         |           | 639668                | 641666                   | 643666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3595.02               | 3624.99                  | 3654.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.52                 | 21.47                    | 21.47                  |                     |
| Channel         |            |         |           | 639334                | 641666                   | 644000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3590.01               | 3624.99                  | 3660                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.44                 | 21.50                    | 21.42                  |                     |
| Channel         |            |         |           | 639000                | 641666                   | 644332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3585                  | 3624.99                  | 3664.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.42                 | 21.50                    | 21.44                  |                     |
| Channel         |            |         |           | 638668                | 641666                   | 644666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3580.02               | 3624.99                  | 3669.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.49                 | 21.53                    | 21.43                  |                     |
| Channel         |            |         |           | 638334                | 641666                   | 645000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3575.01               | 3624.99                  | 3675                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.45                 | 21.51                    | 21.51                  |                     |
| Channel         |            |         |           | 638000                | 641666                   | 645332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3570                  | 3624.99                  | 3679.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.46                 | 21.49                    | 21.48                  |                     |
| Channel         |            |         |           | 637668                | 641666                   | 645666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3565.02               | 3624.99                  | 3684.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.43                 | 21.54                    | 21.43                  |                     |
| Channel         |            |         |           | 637334                | 641666                   | 646000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3560.01               | 3624.99                  | 3690                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.43                 | 21.52                    | 21.49                  |                     |
| Channel         |            |         |           | 637168                | 641666                   | 646166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3557.52               | 3624.99                  | 3692.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.46                 | 21.52                    | 21.49                  |                     |
| Channel         |            |         |           | 637000                | 641666                   | 646332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3555                  | 3624.99                  | 3694.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.49                 | 21.50                    | 21.43                  |                     |



<FR1 n77/n78\_Ant 4\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 640000                | 641666                   | 643332                 | 22.0                |
| Frequency (MHz) |            |         |           | 3600                  | 3624.99                  | 3649.98                |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 20.75                 | 21.01                    | 20.76                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 20.84                 | 20.90                    | 20.88                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 20.85                 | 20.90                    | 20.80                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 20.68                 | 20.77                    | 20.76                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 20.80                 | 20.85                    | 20.82                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 20.68                 | 20.89                    | 20.71                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 20.83                 | 20.84                    | 20.84                  |                     |
| 100             | QPSK       | 1       | 1         | 20.82                 | 20.90                    | 20.83                  |                     |
| 100             | QPSK       | 1       | 137       | 20.99                 | 21.00                    | 21.00                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 20.95                 | 20.98                    | 20.91                  |                     |
| 100             | QPSK       | 135     | 0         | 20.74                 | 20.75                    | 20.72                  |                     |
| 100             | QPSK       | 135     | 69        | 20.76                 | 20.85                    | 20.84                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 20.69                 | 20.77                    | 20.68                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 20.80                 | 20.86                    | 20.86                  |                     |
| 100             | 16QAM      | 1       | 1         | 20.86                 | 20.92                    | 20.91                  |                     |
| 100             | 64QAM      | 1       | 1         | 20.83                 | 20.91                    | 20.81                  | 22.0                |
| 100             | 256QAM     | 1       | 1         | 19.96                 | 19.96                    | 19.86                  | 20.7                |
| Channel         |            |         |           | 639668                | 641666                   | 643666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3595.02               | 3624.99                  | 3654.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.55                 | 20.90                    | 20.56                  |                     |
| Channel         |            |         |           | 639334                | 641666                   | 644000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3590.01               | 3624.99                  | 3660                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.56                 | 20.85                    | 20.62                  |                     |
| Channel         |            |         |           | 639000                | 641666                   | 644332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3585                  | 3624.99                  | 3664.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 20.59                 | 20.82                    | 20.57                  |                     |
| Channel         |            |         |           | 638668                | 641666                   | 644666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3580.02               | 3624.99                  | 3669.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.62                 | 20.90                    | 20.65                  |                     |
| Channel         |            |         |           | 638334                | 641666                   | 645000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3575.01               | 3624.99                  | 3675                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.65                 | 20.90                    | 20.63                  |                     |
| Channel         |            |         |           | 638000                | 641666                   | 645332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3570                  | 3624.99                  | 3679.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.59                 | 20.84                    | 20.63                  |                     |
| Channel         |            |         |           | 637668                | 641666                   | 645666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3565.02               | 3624.99                  | 3684.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.58                 | 20.86                    | 20.59                  |                     |
| Channel         |            |         |           | 637334                | 641666                   | 646000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3560.01               | 3624.99                  | 3690                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.63                 | 20.86                    | 20.64                  |                     |
| Channel         |            |         |           | 637168                | 641666                   | 646166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3557.52               | 3624.99                  | 3692.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 20.56                 | 20.81                    | 20.60                  |                     |
| Channel         |            |         |           | 637000                | 641666                   | 646332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3555                  | 3624.99                  | 3694.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 20.62                 | 20.84                    | 20.63                  |                     |



<FR1 n77/n78\_Ant 3\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 640000                | 641666                   | 643332                 | 22.0                |
| Frequency (MHz) |            |         |           | 3600                  | 3624.99                  | 3649.98                |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 20.20                 | 20.23                    | 20.80                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 20.64                 | 20.66                    | 20.80                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 20.71                 | 20.77                    | 20.74                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 20.31                 | 20.40                    | 20.32                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 20.49                 | 20.58                    | 20.52                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 20.64                 | 20.67                    | 20.66                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 20.52                 | 20.59                    | 20.58                  |                     |
| 100             | QPSK       | 1       | 1         | 20.34                 | 20.36                    | 20.36                  |                     |
| 100             | QPSK       | 1       | 137       | 20.72                 | 20.76                    | 20.75                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 20.68                 | 20.74                    | 20.67                  |                     |
| 100             | QPSK       | 135     | 0         | 20.30                 | 20.40                    | 20.39                  |                     |
| 100             | QPSK       | 135     | 69        | 20.60                 | 20.60                    | 20.54                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 20.59                 | 20.63                    | 20.62                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 20.38                 | 20.47                    | 20.46                  |                     |
| 100             | 16QAM      | 1       | 1         | 20.41                 | 20.45                    | 20.41                  |                     |
| 100             | 64QAM      | 1       | 1         | 20.43                 | 20.44                    | 20.36                  | 22.0                |
| 100             | 256QAM     | 1       | 1         | 19.36                 | 19.44                    | 19.43                  | 20.7                |
| Channel         |            |         |           | 639668                | 641666                   | 643666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3595.02               | 3624.99                  | 3654.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.02                 | 20.08                    | 20.70                  |                     |
| Channel         |            |         |           | 639334                | 641666                   | 644000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3590.01               | 3624.99                  | 3660                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.02                 | 20.11                    | 20.65                  |                     |
| Channel         |            |         |           | 639000                | 641666                   | 644332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3585                  | 3624.99                  | 3664.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 20.00                 | 20.10                    | 20.70                  |                     |
| Channel         |            |         |           | 638668                | 641666                   | 644666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3580.02               | 3624.99                  | 3669.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.07                 | 20.13                    | 20.70                  |                     |
| Channel         |            |         |           | 638334                | 641666                   | 645000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3575.01               | 3624.99                  | 3675                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.03                 | 20.04                    | 20.66                  |                     |
| Channel         |            |         |           | 638000                | 641666                   | 645332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3570                  | 3624.99                  | 3679.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.01                 | 20.04                    | 20.65                  |                     |
| Channel         |            |         |           | 637668                | 641666                   | 645666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3565.02               | 3624.99                  | 3684.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.02                 | 20.08                    | 20.66                  |                     |
| Channel         |            |         |           | 637334                | 641666                   | 646000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3560.01               | 3624.99                  | 3690                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.09                 | 20.04                    | 20.60                  |                     |
| Channel         |            |         |           | 637168                | 641666                   | 646166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3557.52               | 3624.99                  | 3692.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 20.07                 | 20.13                    | 20.67                  |                     |
| Channel         |            |         |           | 637000                | 641666                   | 646332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3555                  | 3624.99                  | 3694.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 20.12                 | 20.16                    | 20.63                  |                     |



<FR1 n78\_Ant 8\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 650000                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3750                     |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 24.67                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 24.37                    |                        | 25.2                |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 24.47                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 24.44                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 24.51                    |                        | 24.7                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 24.46                    |                        | 25.2                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 24.44                    |                        | 24.7                |
| 100             | QPSK       | 1       | 1         |                       | 24.43                    |                        |                     |
| 100             | QPSK       | 1       | 137       |                       | 24.47                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 24.39                    |                        | 25.2                |
| 100             | QPSK       | 135     | 0         |                       | 24.08                    |                        |                     |
| 100             | QPSK       | 135     | 69        |                       | 24.52                    |                        |                     |
| 100             | QPSK       | 135     | 138       |                       | 24.09                    |                        | 24.2                |
| 100             | QPSK       | 270     | 0         |                       | 24.07                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 23.88                    |                        |                     |
| 100             | 64QAM      | 1       | 1         |                       | 22.37                    |                        | 22.7                |
| 100             | 256QAM     | 1       | 1         |                       | 20.24                    |                        | 20.7                |
| Channel         |            |         |           | 649668                | 650000                   | 650332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3754.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 24.45                 | 24.41                    | 24.50                  |                     |
| Channel         |            |         |           | 649334                | 650000                   | 650666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3759.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 24.27                 | 24.23                    | 24.36                  |                     |
| Channel         |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 24.47                 | 24.43                    | 24.46                  |                     |
| Channel         |            |         |           | 648668                | 650000                   | 651332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3769.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 24.47                 | 24.42                    | 24.42                  |                     |
| Channel         |            |         |           | 648334                | 650000                   | 651666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3774.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 24.46                 | 24.43                    | 24.49                  |                     |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 24.48                 | 24.41                    | 24.41                  |                     |
| Channel         |            |         |           | 647668                | 650000                   | 652332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750.00                  | 3784.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 24.48                 | 24.49                    | 24.42                  |                     |
| Channel         |            |         |           | 647334                | 650000                   | 652666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3789.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.40                 | 24.42                    | 24.44                  |                     |
| Channel         |            |         |           | 647168                | 650000                   | 652832                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.42                 | 24.44                    | 24.47                  |                     |
| Channel         |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.49                 | 24.45                    | 24.41                  |                     |



<FR1 n78\_Ant 9\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 650000                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3750                     |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 21.72                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 21.62                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 21.68                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 21.64                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 21.68                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 21.61                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 21.60                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 21.62                    |                        | 22.0                |
| 100             | QPSK       | 1       | 137       |                       | 21.68                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 21.62                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 21.61                    |                        | 22.0                |
| 100             | QPSK       | 135     | 69        |                       | 21.67                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 21.70                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 21.61                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 21.64                    |                        | 22.0                |
| 100             | 64QAM      | 1       | 1         |                       | 21.67                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 19.86                    |                        | 20.0                |
| Channel         |            |         |           | 649668                | 650000                   | 650332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3754.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.70                 | 21.68                    | 21.66                  | 22.0                |
| Channel         |            |         |           | 649334                | 650000                   | 650666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3759.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.60                 | 21.48                    | 21.53                  | 22.0                |
| Channel         |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.58                 | 21.49                    | 21.50                  | 22.0                |
| Channel         |            |         |           | 648668                | 650000                   | 651332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3769.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.56                 | 21.48                    | 21.53                  | 22.0                |
| Channel         |            |         |           | 648334                | 650000                   | 651666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3774.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.50                 | 21.55                    | 21.56                  | 22.0                |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.53                 | 21.55                    | 21.47                  | 22.0                |
| Channel         |            |         |           | 647668                | 650000                   | 652332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750.00                  | 3784.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.52                 | 21.55                    | 21.55                  | 22.0                |
| Channel         |            |         |           | 647334                | 650000                   | 652666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3789.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.53                 | 21.58                    | 21.46                  | 22.0                |
| Channel         |            |         |           | 647168                | 650000                   | 652832                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.56                 | 21.57                    | 21.54                  | 22.0                |
| Channel         |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.52                 | 21.52                    | 21.47                  | 22.0                |

**<FR1 n78\_Ant 4\_DSI 0>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 650000                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3750                     |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 21.57                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 21.40                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 21.47                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 21.29                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 21.34                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 21.38                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 21.34                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 21.30                    |                        | 22.0                |
| 100             | QPSK       | 1       | 137       |                       | 21.47                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 21.56                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 21.24                    |                        | 22.0                |
| 100             | QPSK       | 135     | 69        |                       | 21.33                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 21.33                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 21.33                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 21.36                    |                        | 22.0                |
| 100             | 64QAM      | 1       | 1         |                       | 21.38                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 20.31                    |                        | 20.7                |
| Channel         |            |         |           | 649668                | 650000                   | 650332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3754.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.37                 | 21.38                    | 21.43                  | 22.0                |
| Channel         |            |         |           | 649334                | 650000                   | 650666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3759.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.39                 | 21.45                    | 21.47                  | 22.0                |
| Channel         |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.38                 | 21.43                    | 21.46                  | 22.0                |
| Channel         |            |         |           | 648668                | 650000                   | 651332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3769.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.24                 | 21.35                    | 21.26                  | 22.0                |
| Channel         |            |         |           | 648334                | 650000                   | 651666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3774.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.36                 | 21.18                    | 21.39                  | 22.0                |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.22                 | 21.18                    | 21.28                  | 22.0                |
| Channel         |            |         |           | 647668                | 650000                   | 652332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750.00                  | 3784.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.27                 | 21.19                    | 21.28                  | 22.0                |
| Channel         |            |         |           | 647334                | 650000                   | 652666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3789.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.29                 | 21.37                    | 21.26                  | 22.0                |
| Channel         |            |         |           | 647168                | 650000                   | 652832                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.29                 | 21.34                    | 21.37                  | 22.0                |
| Channel         |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.31                 | 21.33                    | 21.41                  | 22.0                |



<FR1 n78\_Ant 3\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 650000                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3750                     |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 21.10                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 20.93                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 20.86                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 20.90                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 20.88                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 20.83                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 20.91                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 20.97                    |                        | 22.0                |
| 100             | QPSK       | 1       | 137       |                       | 21.04                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 20.93                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 20.90                    |                        | 22.0                |
| 100             | QPSK       | 135     | 69        |                       | 20.88                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 20.80                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 20.87                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 21.09                    |                        | 22.0                |
| 100             | 64QAM      | 1       | 1         |                       | 21.00                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 20.09                    |                        | 20.7                |
| Channel         |            |         |           | 649668                | 650000                   | 650332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3754.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.97                 | 20.98                    | 20.94                  | 22.0                |
| Channel         |            |         |           | 649334                | 650000                   | 650666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3759.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.95                 | 20.94                    | 20.92                  | 22.0                |
| Channel         |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 20.98                 | 20.99                    | 20.90                  | 22.0                |
| Channel         |            |         |           | 648668                | 650000                   | 651332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3769.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.96                 | 20.90                    | 20.91                  | 22.0                |
| Channel         |            |         |           | 648334                | 650000                   | 651666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3774.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.96                 | 21.00                    | 20.90                  | 22.0                |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.98                 | 20.97                    | 20.93                  | 22.0                |
| Channel         |            |         |           | 647668                | 650000                   | 652332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750.00                  | 3784.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.99                 | 20.97                    | 20.90                  | 22.0                |
| Channel         |            |         |           | 647334                | 650000                   | 652666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3789.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.95                 | 21.00                    | 20.95                  | 22.0                |
| Channel         |            |         |           | 647168                | 650000                   | 652832                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 20.98                 | 20.96                    | 20.98                  | 22.0                |
| Channel         |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 20.95                 | 20.96                    | 20.94                  | 22.0                |



<FR1 n78\_HPUE\_Ant 8\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 650000                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3750                     |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 25.94                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 25.61                    |                        | 27.0                |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 25.66                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 25.63                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 25.68                    |                        | 26.5                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 25.53                    |                        | 27.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 25.56                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 25.77                    |                        |                     |
| 100             | QPSK       | 1       | 137       |                       | 25.76                    |                        | 26.0                |
| 100             | QPSK       | 1       | 271       |                       | 25.69                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 25.61                    |                        |                     |
| 100             | QPSK       | 135     | 69        |                       | 25.74                    |                        | 27.0                |
| 100             | QPSK       | 135     | 138       |                       | 25.64                    |                        | 26.0                |
| 100             | QPSK       | 270     | 0         |                       | 25.25                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 25.60                    |                        |                     |
| 100             | 64QAM      | 1       | 1         |                       | 24.38                    |                        | 24.5                |
| 100             | 256QAM     | 1       | 1         |                       | 22.21                    |                        | 22.5                |
| Channel         |            |         |           | 649668                | 650000                   | 650332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3754.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 25.56                 | 25.55                    | 25.55                  |                     |
| Channel         |            |         |           | 649334                | 650000                   | 650666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3759.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 25.52                 | 25.51                    | 25.56                  |                     |
| Channel         |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 25.50                 | 25.56                    | 25.55                  |                     |
| Channel         |            |         |           | 648668                | 650000                   | 651332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3769.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 25.58                 | 25.52                    | 25.53                  |                     |
| Channel         |            |         |           | 648334                | 650000                   | 651666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3774.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 25.53                 | 25.53                    | 25.52                  |                     |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 25.50                 | 25.58                    | 25.56                  |                     |
| Channel         |            |         |           | 647668                | 650000                   | 652332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750.00                  | 3784.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 25.59                 | 25.57                    | 25.58                  |                     |
| Channel         |            |         |           | 647334                | 650000                   | 652666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3789.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 25.54                 | 25.56                    | 25.58                  |                     |
| Channel         |            |         |           | 647168                | 650000                   | 652832                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 25.59                 | 25.60                    | 25.57                  |                     |
| Channel         |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 25.59                 | 25.60                    | 25.51                  |                     |



&lt;FR1 n78\_Ant 8\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 24.56                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 24.27                    |                        | 25.2                |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 24.30                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 24.29                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 24.43                    |                        | 24.7                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 24.34                    |                        | 25.2                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 24.39                    |                        | 24.7                |
| 100             | QPSK       | 1       | 1         |                       | 24.32                    |                        |                     |
| 100             | QPSK       | 1       | 137       |                       | 24.43                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 24.34                    |                        | 25.2                |
| 100             | QPSK       | 135     | 0         |                       | 24.05                    |                        |                     |
| 100             | QPSK       | 135     | 69        |                       | 24.41                    |                        |                     |
| 100             | QPSK       | 135     | 138       |                       | 24.02                    |                        | 24.2                |
| 100             | QPSK       | 270     | 0         |                       | 23.92                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 23.67                    |                        |                     |
| 100             | 64QAM      | 1       | 1         |                       | 22.18                    |                        | 24.2                |
| 100             | 256QAM     | 1       | 1         |                       | 20.10                    |                        | 22.7                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | 20.7                |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 24.38                 | 24.30                    | 24.31                  |                     |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | 25.2                |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 24.32                 | 24.32                    | 24.36                  |                     |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | 25.2                |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 24.31                 | 24.40                    | 24.40                  |                     |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | 25.2                |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 24.32                 | 24.31                    | 24.31                  |                     |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | 25.2                |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 24.36                 | 24.37                    | 24.38                  |                     |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | 25.2                |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 24.36                 | 24.38                    | 24.31                  |                     |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | 25.2                |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 24.38                 | 24.37                    | 24.32                  |                     |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | 25.2                |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.31                 | 24.40                    | 24.40                  |                     |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | 25.2                |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.37                 | 24.32                    | 24.30                  |                     |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | 25.2                |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.40                 | 24.35                    | 24.39                  |                     |



<FR1 n78\_Ant 9\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 21.40                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 21.35                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 21.31                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 21.28                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 21.35                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 21.37                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 21.33                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 21.35                    |                        | 22.0                |
| 100             | QPSK       | 1       | 137       |                       | 21.36                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 21.38                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 21.29                    |                        | 22.0                |
| 100             | QPSK       | 135     | 69        |                       | 21.36                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 21.29                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 21.28                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 21.31                    |                        | 22.0                |
| 100             | 64QAM      | 1       | 1         |                       | 21.38                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 19.53                    |                        | 20.0                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.34                 | 21.31                    | 21.38                  | 22.0                |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.15                 | 21.18                    | 21.20                  | 22.0                |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.20                 | 21.15                    | 21.25                  | 22.0                |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.20                 | 21.19                    | 21.18                  | 22.0                |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.16                 | 21.15                    | 21.21                  | 22.0                |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.21                 | 21.15                    | 21.20                  | 22.0                |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.17                 | 21.12                    | 21.23                  | 22.0                |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.14                 | 21.11                    | 21.26                  | 22.0                |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.17                 | 21.16                    | 21.22                  | 22.0                |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.15                 | 21.21                    | 21.21                  | 22.0                |



<FR1 n78\_Ant 4\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 21.34                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 21.25                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 21.18                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 21.14                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 21.18                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 21.14                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 21.21                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 21.22                    |                        | 22.0                |
| 100             | QPSK       | 1       | 137       |                       | 21.33                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 21.28                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 21.19                    |                        | 22.0                |
| 100             | QPSK       | 135     | 69        |                       | 21.17                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 21.20                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 21.17                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 21.30                    |                        | 22.0                |
| 100             | 64QAM      | 1       | 1         |                       | 21.25                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 20.21                    |                        | 20.7                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.19                 | 21.23                    | 21.24                  | 22.0                |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.07                 | 21.09                    | 21.11                  | 22.0                |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.09                 | 21.10                    | 21.06                  | 22.0                |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.09                 | 21.08                    | 21.04                  | 22.0                |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.09                 | 21.08                    | 21.11                  | 22.0                |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.05                 | 21.03                    | 21.05                  | 22.0                |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.09                 | 21.12                    | 21.11                  | 22.0                |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.03                 | 21.11                    | 21.10                  | 22.0                |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.00                 | 21.06                    | 21.14                  | 22.0                |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.03                 | 21.06                    | 21.12                  | 22.0                |



&lt;FR1 n78\_Ant 3\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 20.80                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 20.65                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 20.71                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 20.48                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 20.51                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 20.62                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 20.64                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 20.51                    |                        | 22.0                |
| 100             | QPSK       | 1       | 137       |                       | 20.69                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 20.71                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 20.50                    |                        | 22.0                |
| 100             | QPSK       | 135     | 69        |                       | 20.58                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 20.65                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 20.65                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 20.64                    |                        | 22.0                |
| 100             | 64QAM      | 1       | 1         |                       | 20.63                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 19.60                    |                        | 20.7                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.51                 | 20.58                    | 20.53                  | 22.0                |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.59                 | 20.54                    | 20.60                  | 22.0                |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 20.51                 | 20.51                    | 20.54                  | 22.0                |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.60                 | 20.60                    | 20.60                  | 22.0                |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.56                 | 20.60                    | 20.55                  | 22.0                |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.54                 | 20.56                    | 20.54                  | 22.0                |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.57                 | 20.50                    | 20.58                  | 22.0                |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.56                 | 20.54                    | 20.57                  | 22.0                |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 20.51                 | 20.57                    | 20.53                  | 22.0                |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 20.51                 | 20.50                    | 20.60                  | 22.0                |



<FR1 n78\_HPUE\_Ant 8\_DSI 0>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 26.52                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 26.20                    |                        | 27.0                |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 26.30                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 26.24                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 26.26                    |                        | 27.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 26.16                    |                        | 26.5                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 26.21                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 26.31                    |                        |                     |
| 100             | QPSK       | 1       | 137       |                       | 26.29                    |                        | 27.0                |
| 100             | QPSK       | 1       | 271       |                       | 26.37                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 25.92                    |                        |                     |
| 100             | QPSK       | 135     | 69        |                       | 26.31                    |                        | 27.0                |
| 100             | QPSK       | 135     | 138       |                       | 25.92                    |                        | 26.0                |
| 100             | QPSK       | 270     | 0         |                       | 25.90                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 25.63                    |                        |                     |
| 100             | 64QAM      | 1       | 1         |                       | 24.24                    |                        | 24.5                |
| 100             | 256QAM     | 1       | 1         |                       | 22.14                    |                        | 22.5                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 26.31                 | 26.37                    | 26.39                  |                     |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 26.38                 | 26.34                    | 26.35                  |                     |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 26.35                 | 26.39                    | 26.32                  |                     |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 26.39                 | 26.40                    | 26.30                  |                     |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 26.31                 | 26.31                    | 26.32                  |                     |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 26.36                 | 26.37                    | 26.37                  |                     |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 26.34                 | 26.35                    | 26.34                  |                     |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 26.34                 | 26.39                    | 26.38                  |                     |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 26.32                 | 26.39                    | 26.32                  |                     |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 26.39                 | 26.32                    | 26.30                  |                     |

## Body-worn\_DSI1

| Band            |                    | WCDMA II_Ant 1_DSI 1<br>(Wlan Off) |       |        | Tune-up<br>Limit<br>(dBm) | WCDMA IV_Ant 1_DSI 1<br>(Wlan Off) |        |        | Tune-up<br>Limit<br>(dBm) | WCDMA V_Ant 1_DSI 1<br>(Wlan Off) |       |       | Tune-up<br>Limit<br>(dBm) |
|-----------------|--------------------|------------------------------------|-------|--------|---------------------------|------------------------------------|--------|--------|---------------------------|-----------------------------------|-------|-------|---------------------------|
| TX Channel      |                    | 9262                               | 9400  | 9538   |                           | 1312                               | 1413   | 1513   |                           | 4132                              | 4182  | 4233  |                           |
| Rx Channel      |                    | 9662                               | 9800  | 9938   |                           | 1537                               | 1638   | 1738   |                           | 4357                              | 4407  | 4458  |                           |
| Frequency (MHz) |                    | 1852.4                             | 1880  | 1907.6 |                           | 1712.4                             | 1732.6 | 1752.6 |                           | 826.4                             | 836.4 | 846.6 |                           |
| 3GPP Rel 99     | RMC 12.2Kbps       | 23.22                              | 23.61 | 23.71  | 24.90                     | 24.21                              | 24.43  | 24.44  | 25.00                     | 24.68                             | 24.58 | 24.49 | 25.20                     |
| 3GPP Rel 6      | HSDPA Subtest-1    | 22.25                              | 22.65 | 22.75  | 24.20                     | 23.23                              | 23.38  | 23.49  | 24.00                     | 23.66                             | 23.69 | 23.42 | 24.20                     |
| 3GPP Rel 6      | HSDPA Subtest-2    | 22.28                              | 22.58 | 22.73  | 24.20                     | 23.22                              | 23.41  | 23.51  | 24.00                     | 23.63                             | 23.63 | 23.41 | 24.20                     |
| 3GPP Rel 6      | HSDPA Subtest-3    | 21.75                              | 22.07 | 22.22  | 23.70                     | 22.75                              | 22.89  | 22.98  | 23.50                     | 23.12                             | 23.15 | 22.88 | 23.70                     |
| 3GPP Rel 6      | HSDPA Subtest-4    | 21.90                              | 22.10 | 22.26  | 23.70                     | 22.73                              | 22.91  | 22.92  | 23.50                     | 23.14                             | 23.17 | 23.02 | 23.70                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 22.22                              | 22.47 | 22.57  | 24.20                     | 23.06                              | 23.29  | 23.42  | 24.00                     | 23.65                             | 23.67 | 23.36 | 24.20                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 22.27                              | 22.41 | 22.68  | 24.20                     | 23.08                              | 23.38  | 23.42  | 24.00                     | 23.60                             | 23.50 | 23.27 | 24.20                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 21.81                              | 21.95 | 22.22  | 23.70                     | 22.67                              | 22.82  | 22.90  | 23.50                     | 22.93                             | 23.09 | 22.74 | 23.70                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 21.87                              | 21.96 | 22.15  | 23.70                     | 22.73                              | 22.83  | 22.87  | 23.50                     | 22.98                             | 23.05 | 22.86 | 23.70                     |
| 3GPP Rel 6      | HSUPA Subtest-1    | 22.35                              | 22.63 | 22.73  | 24.20                     | 23.19                              | 23.37  | 23.39  | 24.00                     | 23.65                             | 23.63 | 23.42 | 24.20                     |
| 3GPP Rel 6      | HSUPA Subtest-2    | 20.43                              | 20.60 | 20.72  | 22.20                     | 21.21                              | 21.39  | 21.44  | 22.00                     | 21.71                             | 21.65 | 21.39 | 22.20                     |
| 3GPP Rel 6      | HSUPA Subtest-3    | 21.22                              | 21.55 | 21.71  | 23.20                     | 22.23                              | 22.31  | 22.36  | 23.00                     | 22.63                             | 22.62 | 22.35 | 23.20                     |
| 3GPP Rel 6      | HSUPA Subtest-4    | 20.46                              | 20.55 | 20.78  | 22.20                     | 21.22                              | 21.41  | 21.47  | 22.00                     | 21.66                             | 21.56 | 21.37 | 22.20                     |
| 3GPP Rel 6      | HSUPA Subtest-5    | 22.20                              | 22.60 | 22.70  | 24.20                     | 23.20                              | 23.40  | 23.40  | 24.00                     | 23.60                             | 23.60 | 23.40 | 24.20                     |

| Band            |                    | WCDMA IV_Ant 1_DSI 1 (Wlan On) |        |        | Tune-up<br>Limit<br>(dBm) |
|-----------------|--------------------|--------------------------------|--------|--------|---------------------------|
| TX Channel      |                    | 1312                           | 1413   | 1513   |                           |
| Rx Channel      |                    | 1537                           | 1638   | 1738   |                           |
| Frequency (MHz) |                    | 1712.4                         | 1732.6 | 1752.6 |                           |
| 3GPP Rel 99     | RMC 12.2Kbps       | 22.30                          | 22.50  | 22.53  | 23.20                     |
| 3GPP Rel 6      | HSDPA Subtest-1    | 20.48                          | 20.70  | 20.52  | 22.20                     |
| 3GPP Rel 6      | HSDPA Subtest-2    | 20.34                          | 20.56  | 20.56  | 22.20                     |
| 3GPP Rel 6      | HSDPA Subtest-3    | 21.37                          | 21.56  | 20.94  | 21.70                     |
| 3GPP Rel 6      | HSDPA Subtest-4    | 21.40                          | 21.60  | 20.98  | 21.70                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 20.47                          | 20.64  | 20.49  | 22.20                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 20.26                          | 20.46  | 20.54  | 22.20                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 21.30                          | 21.49  | 20.85  | 21.70                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 21.35                          | 21.53  | 20.96  | 21.70                     |
| 3GPP Rel 6      | HSUPA Subtest-1    | 21.68                          | 21.67  | 21.68  | 22.20                     |
| 3GPP Rel 6      | HSUPA Subtest-2    | 19.88                          | 20.04  | 20.07  | 20.20                     |
| 3GPP Rel 6      | HSUPA Subtest-3    | 20.81                          | 21.01  | 21.09  | 21.20                     |
| 3GPP Rel 6      | HSUPA Subtest-4    | 19.83                          | 19.99  | 20.10  | 20.20                     |
| 3GPP Rel 6      | HSUPA Subtest-5    | 21.50                          | 21.60  | 21.60  | 22.20                     |



<LTE Band 2\_Ant 1\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 18700                    | 18900                       | 19100                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |
| 20              | QPSK       | 1       | 0         | 24.01                    | 24.27                       | 24.18                     | 24.4                   |
| 20              | QPSK       | 1       | 49        | 24.14                    | 24.18                       | 24.14                     |                        |
| 20              | QPSK       | 1       | 99        | 24.13                    | 24.21                       | 24.12                     |                        |
| 20              | QPSK       | 50      | 0         | 23.09                    | 23.28                       | 23.18                     | 23.4                   |
| 20              | QPSK       | 50      | 24        | 23.17                    | 23.27                       | 23.32                     |                        |
| 20              | QPSK       | 50      | 50        | 23.18                    | 23.27                       | 23.26                     |                        |
| 20              | QPSK       | 100     | 0         | 23.16                    | 23.24                       | 23.29                     |                        |
| 20              | 16QAM      | 1       | 0         | 23.03                    | 23.23                       | 23.28                     | 23.4                   |
| 20              | 16QAM      | 1       | 49        | 23.21                    | 23.38                       | 23.30                     |                        |
| 20              | 16QAM      | 1       | 99        | 23.31                    | 23.31                       | 23.22                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.88                    | 22.03                       | 22.02                     | 22.4                   |
| 20              | 16QAM      | 50      | 24        | 22.04                    | 22.06                       | 22.06                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.05                    | 22.09                       | 22.07                     |                        |
| 20              | 16QAM      | 100     | 0         | 22.00                    | 22.02                       | 22.07                     |                        |
| 20              | 64QAM      | 1       | 0         | 22.29                    | 22.12                       | 22.29                     | 22.4                   |
| 20              | 64QAM      | 1       | 49        | 22.23                    | 22.37                       | 22.24                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.23                    | 22.18                       | 22.13                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.96                    | 21.00                       | 21.04                     | 21.4                   |
| 20              | 64QAM      | 50      | 24        | 21.03                    | 21.06                       | 21.09                     |                        |
| 20              | 64QAM      | 50      | 50        | 21.03                    | 21.10                       | 21.07                     |                        |
| 20              | 64QAM      | 100     | 0         | 21.02                    | 21.04                       | 21.10                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.91                    | 19.19                       | 19.09                     | 19.4                   |
| 20              | 256QAM     | 1       | 49        | 19.05                    | 19.25                       | 19.17                     |                        |
| 20              | 256QAM     | 1       | 99        | 19.09                    | 19.20                       | 19.34                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.97                    | 19.05                       | 19.08                     | 19.4                   |
| 20              | 256QAM     | 50      | 24        | 19.05                    | 19.15                       | 19.09                     |                        |
| 20              | 256QAM     | 50      | 50        | 19.07                    | 19.17                       | 19.16                     |                        |
| 20              | 256QAM     | 100     | 0         | 19.02                    | 19.12                       | 19.13                     |                        |
| Channel         |            |         |           | 18675                    | 18900                       | 19125                     |                        |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1902.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.83                    | 24.12                       | 24.01                     | 24.4                   |
| 15              | QPSK       | 1       | 37        | 24.03                    | 23.99                       | 23.99                     |                        |
| 15              | QPSK       | 1       | 74        | 23.96                    | 24.07                       | 24.02                     |                        |
| 15              | QPSK       | 36      | 0         | 22.95                    | 23.13                       | 23.03                     | 23.4                   |
| 15              | QPSK       | 36      | 20        | 23.07                    | 23.10                       | 23.18                     |                        |
| 15              | QPSK       | 36      | 39        | 23.03                    | 23.14                       | 23.12                     |                        |
| 15              | QPSK       | 75      | 0         | 22.99                    | 23.11                       | 23.14                     | 23.4                   |
| 15              | 16QAM      | 1       | 0         | 22.83                    | 23.10                       | 23.08                     |                        |
| 15              | 16QAM      | 1       | 37        | 23.08                    | 23.22                       | 23.17                     |                        |
| 15              | 16QAM      | 1       | 74        | 23.18                    | 23.20                       | 23.08                     | 22.4                   |
| 15              | 16QAM      | 36      | 0         | 21.69                    | 21.86                       | 21.85                     |                        |
| 15              | 16QAM      | 36      | 20        | 21.92                    | 21.88                       | 21.91                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.95                    | 21.96                       | 21.96                     | 22.4                   |
| 15              | 16QAM      | 75      | 0         | 21.86                    | 21.92                       | 21.92                     |                        |
| 15              | 64QAM      | 1       | 0         | 22.16                    | 21.93                       | 22.13                     |                        |
| 15              | 64QAM      | 1       | 37        | 22.07                    | 22.26                       | 22.14                     | 22.4                   |
| 15              | 64QAM      | 1       | 74        | 22.06                    | 22.03                       | 21.96                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.79                    | 20.90                       | 20.88                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.84                    | 20.88                       | 20.96                     | 21.4                   |
| 15              | 64QAM      | 36      | 39        | 20.93                    | 20.97                       | 20.90                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.88                    | 20.94                       | 20.91                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.73                    | 19.03                       | 18.92                     | 19.4                   |
| 15              | 256QAM     | 1       | 37        | 18.95                    | 19.07                       | 19.01                     |                        |
| 15              | 256QAM     | 1       | 74        | 18.91                    | 19.01                       | 19.23                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.83                    | 18.90                       | 18.96                     | 19.4                   |
| 15              | 256QAM     | 36      | 20        | 18.90                    | 19.00                       | 18.99                     |                        |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 18.92  | 19.03 | 18.96  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 18.84  | 18.94 | 19.01  |                     |
| Channel         |        |    |    | 18650  | 18900 | 19150  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1855   | 1880  | 1905   |                     |
| 10              | QPSK   | 1  | 0  | 23.81  | 24.15 | 24.04  | 24.4                |
| 10              | QPSK   | 1  | 25 | 24.03  | 24.06 | 23.96  |                     |
| 10              | QPSK   | 1  | 49 | 23.99  | 24.09 | 23.95  |                     |
| 10              | QPSK   | 25 | 0  | 22.91  | 23.10 | 22.98  | 23.4                |
| 10              | QPSK   | 25 | 12 | 22.98  | 23.10 | 23.12  |                     |
| 10              | QPSK   | 25 | 25 | 23.01  | 23.14 | 23.16  |                     |
| 10              | QPSK   | 50 | 0  | 23.02  | 23.10 | 23.16  |                     |
| 10              | 16QAM  | 1  | 0  | 22.93  | 23.12 | 23.16  | 23.4                |
| 10              | 16QAM  | 1  | 25 | 23.10  | 23.22 | 23.13  |                     |
| 10              | 16QAM  | 1  | 49 | 23.12  | 23.19 | 23.07  |                     |
| 10              | 16QAM  | 25 | 0  | 21.77  | 21.93 | 21.92  | 22.4                |
| 10              | 16QAM  | 25 | 12 | 21.86  | 21.88 | 21.91  |                     |
| 10              | 16QAM  | 25 | 25 | 21.94  | 21.89 | 21.93  |                     |
| 10              | 16QAM  | 50 | 0  | 21.87  | 21.88 | 21.89  |                     |
| 10              | 64QAM  | 1  | 0  | 22.11  | 21.95 | 22.17  | 22.4                |
| 10              | 64QAM  | 1  | 25 | 22.13  | 22.21 | 22.12  |                     |
| 10              | 64QAM  | 1  | 49 | 22.05  | 21.98 | 22.00  |                     |
| 10              | 64QAM  | 25 | 0  | 20.77  | 20.82 | 20.93  | 21.4                |
| 10              | 64QAM  | 25 | 12 | 20.88  | 20.88 | 20.99  |                     |
| 10              | 64QAM  | 25 | 25 | 20.92  | 20.97 | 20.87  |                     |
| 10              | 64QAM  | 50 | 0  | 20.84  | 20.84 | 20.90  |                     |
| 10              | 256QAM | 1  | 0  | 18.71  | 19.09 | 18.93  | 19.4                |
| 10              | 256QAM | 1  | 25 | 18.93  | 19.13 | 19.07  |                     |
| 10              | 256QAM | 1  | 49 | 18.91  | 19.09 | 19.22  |                     |
| 10              | 256QAM | 25 | 0  | 18.85  | 18.95 | 18.96  | 19.4                |
| 10              | 256QAM | 25 | 12 | 18.95  | 19.05 | 18.99  |                     |
| 10              | 256QAM | 25 | 25 | 18.89  | 19.07 | 18.96  |                     |
| 10              | 256QAM | 50 | 0  | 18.90  | 18.99 | 18.94  |                     |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.84  | 24.14 | 24.07  | 24.4                |
| 5               | QPSK   | 1  | 12 | 23.99  | 24.04 | 23.97  |                     |
| 5               | QPSK   | 1  | 24 | 24.00  | 24.11 | 23.98  |                     |
| 5               | QPSK   | 12 | 0  | 22.92  | 23.11 | 23.06  | 23.4                |
| 5               | QPSK   | 12 | 7  | 23.00  | 23.10 | 23.22  |                     |
| 5               | QPSK   | 12 | 13 | 22.99  | 23.10 | 23.11  |                     |
| 5               | QPSK   | 25 | 0  | 22.97  | 23.11 | 23.13  |                     |
| 5               | 16QAM  | 1  | 0  | 22.90  | 23.09 | 23.11  | 23.4                |
| 5               | 16QAM  | 1  | 12 | 23.02  | 23.20 | 23.14  |                     |
| 5               | 16QAM  | 1  | 24 | 23.20  | 23.14 | 23.06  |                     |
| 5               | 16QAM  | 12 | 0  | 21.72  | 21.85 | 21.89  | 22.4                |
| 5               | 16QAM  | 12 | 7  | 21.94  | 21.96 | 21.93  |                     |
| 5               | 16QAM  | 12 | 13 | 21.95  | 21.90 | 21.90  |                     |
| 5               | 16QAM  | 25 | 0  | 21.81  | 21.91 | 21.92  |                     |
| 5               | 64QAM  | 1  | 0  | 22.15  | 22.00 | 22.14  | 22.4                |
| 5               | 64QAM  | 1  | 12 | 22.06  | 22.26 | 22.08  |                     |
| 5               | 64QAM  | 1  | 24 | 22.09  | 22.08 | 21.98  |                     |
| 5               | 64QAM  | 12 | 0  | 20.86  | 20.87 | 20.85  | 21.4                |
| 5               | 64QAM  | 12 | 7  | 20.83  | 20.88 | 20.96  |                     |
| 5               | 64QAM  | 12 | 13 | 20.88  | 20.92 | 20.91  |                     |
| 5               | 64QAM  | 25 | 0  | 20.90  | 20.84 | 20.95  |                     |
| 5               | 256QAM | 1  | 0  | 18.81  | 19.04 | 18.98  | 19.4                |
| 5               | 256QAM | 1  | 12 | 18.90  | 19.07 | 19.00  |                     |
| 5               | 256QAM | 1  | 24 | 18.98  | 19.10 | 19.23  |                     |
| 5               | 256QAM | 12 | 0  | 18.82  | 18.85 | 18.98  | 19.4                |
| 5               | 256QAM | 12 | 7  | 18.93  | 18.98 | 18.89  |                     |
| 5               | 256QAM | 12 | 13 | 18.89  | 19.01 | 18.99  |                     |
| 5               | 256QAM | 25 | 0  | 18.90  | 18.95 | 18.99  |                     |



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| Channel         |        |    |    | 18615  | 18900 | 19185  | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|-------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.82  | 24.09 | 24.03  | 24.4                   |
| 3               | QPSK   | 1  | 8  | 23.98  | 24.04 | 23.97  |                        |
| 3               | QPSK   | 1  | 14 | 23.98  | 24.02 | 24.01  |                        |
| 3               | QPSK   | 8  | 0  | 22.96  | 23.08 | 23.07  | 23.4                   |
| 3               | QPSK   | 8  | 4  | 22.98  | 23.14 | 23.21  |                        |
| 3               | QPSK   | 8  | 7  | 23.08  | 23.13 | 23.06  |                        |
| 3               | QPSK   | 15 | 0  | 23.02  | 23.04 | 23.12  |                        |
| 3               | 16QAM  | 1  | 0  | 22.92  | 23.11 | 23.09  | 23.4                   |
| 3               | 16QAM  | 1  | 8  | 23.05  | 23.19 | 23.20  |                        |
| 3               | 16QAM  | 1  | 14 | 23.14  | 23.15 | 23.03  |                        |
| 3               | 16QAM  | 8  | 0  | 21.72  | 21.90 | 21.85  | 22.4                   |
| 3               | 16QAM  | 8  | 4  | 21.92  | 21.88 | 21.88  |                        |
| 3               | 16QAM  | 8  | 7  | 21.91  | 21.91 | 21.90  |                        |
| 3               | 16QAM  | 15 | 0  | 21.89  | 21.90 | 21.87  |                        |
| 3               | 64QAM  | 1  | 0  | 22.18  | 21.94 | 22.19  | 22.4                   |
| 3               | 64QAM  | 1  | 8  | 22.11  | 22.17 | 22.14  |                        |
| 3               | 64QAM  | 1  | 14 | 22.09  | 21.99 | 21.93  |                        |
| 3               | 64QAM  | 8  | 0  | 20.80  | 20.88 | 20.88  | 21.4                   |
| 3               | 64QAM  | 8  | 4  | 20.84  | 20.89 | 20.98  |                        |
| 3               | 64QAM  | 8  | 7  | 20.92  | 20.95 | 20.94  |                        |
| 3               | 64QAM  | 15 | 0  | 20.88  | 20.89 | 20.91  |                        |
| 3               | 256QAM | 1  | 0  | 18.71  | 19.01 | 18.90  | 19.4                   |
| 3               | 256QAM | 1  | 8  | 18.90  | 19.14 | 19.07  |                        |
| 3               | 256QAM | 1  | 14 | 18.91  | 19.07 | 19.17  |                        |
| 3               | 256QAM | 8  | 0  | 18.84  | 18.89 | 18.88  | 19.4                   |
| 3               | 256QAM | 8  | 4  | 18.85  | 18.99 | 18.96  |                        |
| 3               | 256QAM | 8  | 7  | 18.95  | 18.98 | 19.06  |                        |
| 3               | 256QAM | 15 | 0  | 18.82  | 18.98 | 18.93  |                        |
| Channel         |        |    |    | 18607  | 18900 | 19193  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 23.88  | 24.12 | 24.03  | 24.4                   |
| 1.4             | QPSK   | 1  | 3  | 24.00  | 24.03 | 23.98  |                        |
| 1.4             | QPSK   | 1  | 5  | 24.03  | 24.06 | 24.00  |                        |
| 1.4             | QPSK   | 3  | 0  | 23.77  | 23.96 | 23.90  |                        |
| 1.4             | QPSK   | 3  | 1  | 23.88  | 23.86 | 23.88  |                        |
| 1.4             | QPSK   | 3  | 3  | 23.88  | 23.86 | 23.88  |                        |
| 1.4             | QPSK   | 6  | 0  | 22.90  | 23.08 | 23.04  | 23.4                   |
| 1.4             | 16QAM  | 1  | 0  | 22.99  | 23.09 | 23.12  | 23.4                   |
| 1.4             | 16QAM  | 1  | 3  | 23.00  | 23.10 | 23.15  |                        |
| 1.4             | 16QAM  | 1  | 5  | 22.98  | 23.12 | 23.12  |                        |
| 1.4             | 16QAM  | 3  | 0  | 23.08  | 23.26 | 23.35  |                        |
| 1.4             | 16QAM  | 3  | 1  | 23.29  | 23.27 | 23.33  |                        |
| 1.4             | 16QAM  | 3  | 3  | 23.37  | 23.32 | 23.23  |                        |
| 1.4             | 16QAM  | 6  | 0  | 21.89  | 22.04 | 22.02  | 22.4                   |
| 1.4             | 64QAM  | 1  | 0  | 22.11  | 22.08 | 22.15  | 22.4                   |
| 1.4             | 64QAM  | 1  | 3  | 22.05  | 22.15 | 22.15  |                        |
| 1.4             | 64QAM  | 1  | 5  | 22.02  | 22.03 | 22.17  |                        |
| 1.4             | 64QAM  | 3  | 0  | 22.33  | 22.15 | 22.38  |                        |
| 1.4             | 64QAM  | 3  | 1  | 22.32  | 22.23 | 22.30  |                        |
| 1.4             | 64QAM  | 3  | 3  | 22.27  | 22.24 | 22.22  |                        |
| 1.4             | 64QAM  | 6  | 0  | 21.00  | 21.03 | 21.10  | 21.4                   |
| 1.4             | 256QAM | 1  | 0  | 18.93  | 19.21 | 19.19  | 19.4                   |
| 1.4             | 256QAM | 1  | 3  | 19.15  | 19.31 | 19.27  |                        |
| 1.4             | 256QAM | 1  | 5  | 19.11  | 19.24 | 19.34  |                        |
| 1.4             | 256QAM | 3  | 0  | 19.03  | 19.05 | 19.10  |                        |
| 1.4             | 256QAM | 3  | 1  | 19.14  | 19.18 | 19.16  |                        |
| 1.4             | 256QAM | 3  | 3  | 19.13  | 19.21 | 19.19  |                        |
| 1.4             | 256QAM | 6  | 0  | 19.05  | 19.19 | 19.21  | 19.4                   |

**<LTE Band 2\_Ant 5\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 18700                    | 18900                       | 19100                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |
| 20              | QPSK       | 1       | 0         | 23.92                    | 23.89                       | 23.97                     |                        |
| 20              | QPSK       | 1       | 49        | 23.85                    | 23.85                       | 23.75                     | 24.4                   |
| 20              | QPSK       | 1       | 99        | 23.86                    | 23.88                       | 23.88                     |                        |
| 20              | QPSK       | 50      | 0         | 22.96                    | 22.96                       | 22.87                     |                        |
| 20              | QPSK       | 50      | 24        | 23.08                    | 23.11                       | 23.02                     | 23.4                   |
| 20              | QPSK       | 50      | 50        | 22.99                    | 23.04                       | 22.95                     |                        |
| 20              | QPSK       | 100     | 0         | 23.04                    | 23.08                       | 23.01                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.71                    | 22.81                       | 22.81                     | 23.4                   |
| 20              | 16QAM      | 1       | 49        | 22.79                    | 22.87                       | 22.85                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.77                    | 22.78                       | 22.70                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.89                    | 21.99                       | 21.94                     | 22.4                   |
| 20              | 16QAM      | 50      | 24        | 22.03                    | 22.12                       | 22.02                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.05                    | 22.11                       | 22.02                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.96                    | 22.04                       | 22.00                     | 22.4                   |
| 20              | 64QAM      | 1       | 0         | 22.40                    | 22.40                       | 22.33                     |                        |
| 20              | 64QAM      | 1       | 49        | 22.29                    | 22.35                       | 22.28                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.18                    | 22.26                       | 22.16                     | 21.4                   |
| 20              | 64QAM      | 50      | 0         | 20.91                    | 21.01                       | 20.96                     |                        |
| 20              | 64QAM      | 50      | 24        | 21.04                    | 21.04                       | 21.03                     |                        |
| 20              | 64QAM      | 50      | 50        | 21.01                    | 21.06                       | 20.96                     | 19.4                   |
| 20              | 64QAM      | 100     | 0         | 20.96                    | 21.04                       | 20.96                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.84                    | 18.93                       | 18.92                     |                        |
| 20              | 256QAM     | 1       | 49        | 18.94                    | 18.95                       | 18.85                     | 19.4                   |
| 20              | 256QAM     | 1       | 99        | 19.04                    | 19.06                       | 19.04                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.99                    | 19.08                       | 18.98                     |                        |
| 20              | 256QAM     | 50      | 24        | 19.11                    | 19.11                       | 19.09                     | 19.4                   |
| 20              | 256QAM     | 50      | 50        | 19.03                    | 19.09                       | 19.03                     |                        |
| 20              | 256QAM     | 100     | 0         | 19.04                    | 19.12                       | 19.10                     |                        |
| Channel         |            |         |           | 18675                    | 18900                       | 19125                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1902.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.81                    | 23.74                       | 23.79                     |                        |
| 15              | QPSK       | 1       | 37        | 23.69                    | 23.71                       | 23.62                     | 24.4                   |
| 15              | QPSK       | 1       | 74        | 23.75                    | 23.77                       | 23.69                     |                        |
| 15              | QPSK       | 36      | 0         | 22.85                    | 22.84                       | 22.77                     | 23.4                   |
| 15              | QPSK       | 36      | 20        | 22.93                    | 22.95                       | 22.84                     |                        |
| 15              | QPSK       | 36      | 39        | 22.85                    | 22.84                       | 22.75                     |                        |
| 15              | QPSK       | 75      | 0         | 22.91                    | 22.91                       | 22.85                     | 23.4                   |
| 15              | 16QAM      | 1       | 0         | 22.60                    | 22.69                       | 22.70                     |                        |
| 15              | 16QAM      | 1       | 37        | 22.61                    | 22.70                       | 22.73                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.60                    | 22.60                       | 22.51                     | 22.4                   |
| 15              | 16QAM      | 36      | 0         | 21.71                    | 21.86                       | 21.80                     |                        |
| 15              | 16QAM      | 36      | 20        | 21.85                    | 21.97                       | 21.87                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.90                    | 21.97                       | 21.90                     | 22.4                   |
| 15              | 16QAM      | 75      | 0         | 21.76                    | 21.94                       | 21.82                     |                        |
| 15              | 64QAM      | 1       | 0         | 22.30                    | 22.26                       | 22.15                     |                        |
| 15              | 64QAM      | 1       | 37        | 22.18                    | 22.18                       | 22.11                     | 21.4                   |
| 15              | 64QAM      | 1       | 74        | 21.99                    | 22.15                       | 21.96                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.76                    | 20.83                       | 20.79                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.86                    | 20.91                       | 20.85                     | 19.4                   |
| 15              | 64QAM      | 36      | 39        | 20.84                    | 20.92                       | 20.83                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.84                    | 20.86                       | 20.84                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.70                    | 18.74                       | 18.75                     | 19.4                   |
| 15              | 256QAM     | 1       | 37        | 18.74                    | 18.81                       | 18.68                     |                        |
| 15              | 256QAM     | 1       | 74        | 18.84                    | 18.94                       | 18.90                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.87                    | 18.93                       | 18.85                     | 19.4                   |
| 15              | 256QAM     | 36      | 20        | 18.91                    | 18.96                       | 18.92                     |                        |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 18.83  | 18.93 | 18.87  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 18.86  | 18.97 | 18.90  |                     |
| Channel         |        |    |    | 18650  | 18900 | 19150  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1855   | 1880  | 1905   |                     |
| 10              | QPSK   | 1  | 0  | 23.79  | 23.75 | 23.81  | 24.4                |
| 10              | QPSK   | 1  | 25 | 23.70  | 23.73 | 23.58  |                     |
| 10              | QPSK   | 1  | 49 | 23.68  | 23.77 | 23.68  |                     |
| 10              | QPSK   | 25 | 0  | 22.78  | 22.79 | 22.73  | 23.4                |
| 10              | QPSK   | 25 | 12 | 22.93  | 22.92 | 22.85  |                     |
| 10              | QPSK   | 25 | 25 | 22.80  | 22.94 | 22.78  |                     |
| 10              | QPSK   | 50 | 0  | 22.93  | 22.94 | 22.83  |                     |
| 10              | 16QAM  | 1  | 0  | 22.55  | 22.66 | 22.61  | 23.4                |
| 10              | 16QAM  | 1  | 25 | 22.69  | 22.68 | 22.74  |                     |
| 10              | 16QAM  | 1  | 49 | 22.58  | 22.64 | 22.60  |                     |
| 10              | 16QAM  | 25 | 0  | 21.75  | 21.82 | 21.84  | 22.4                |
| 10              | 16QAM  | 25 | 12 | 21.91  | 21.96 | 21.86  |                     |
| 10              | 16QAM  | 25 | 25 | 21.87  | 21.92 | 21.89  |                     |
| 10              | 16QAM  | 50 | 0  | 21.83  | 21.92 | 21.85  |                     |
| 10              | 64QAM  | 1  | 0  | 22.23  | 22.24 | 22.20  | 22.4                |
| 10              | 64QAM  | 1  | 25 | 22.12  | 22.21 | 22.09  |                     |
| 10              | 64QAM  | 1  | 49 | 22.03  | 22.16 | 21.96  |                     |
| 10              | 64QAM  | 25 | 0  | 20.71  | 20.83 | 20.76  | 21.4                |
| 10              | 64QAM  | 25 | 12 | 20.87  | 20.91 | 20.88  |                     |
| 10              | 64QAM  | 25 | 25 | 20.83  | 20.87 | 20.83  |                     |
| 10              | 64QAM  | 50 | 0  | 20.85  | 20.92 | 20.78  |                     |
| 10              | 256QAM | 1  | 0  | 18.64  | 18.73 | 18.76  | 19.4                |
| 10              | 256QAM | 1  | 25 | 18.74  | 18.82 | 18.67  |                     |
| 10              | 256QAM | 1  | 49 | 18.89  | 18.87 | 18.91  |                     |
| 10              | 256QAM | 25 | 0  | 18.87  | 18.92 | 18.85  | 19.4                |
| 10              | 256QAM | 25 | 12 | 18.96  | 19.01 | 18.96  |                     |
| 10              | 256QAM | 25 | 25 | 18.87  | 18.98 | 18.83  |                     |
| 10              | 256QAM | 50 | 0  | 18.94  | 18.99 | 18.98  |                     |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.79  | 23.70 | 23.78  | 24.4                |
| 5               | QPSK   | 1  | 12 | 23.65  | 23.69 | 23.65  |                     |
| 5               | QPSK   | 1  | 24 | 23.71  | 23.72 | 23.78  |                     |
| 5               | QPSK   | 12 | 0  | 22.77  | 22.77 | 22.71  | 23.4                |
| 5               | QPSK   | 12 | 7  | 22.98  | 22.95 | 22.90  |                     |
| 5               | QPSK   | 12 | 13 | 22.79  | 22.87 | 22.81  |                     |
| 5               | QPSK   | 25 | 0  | 22.86  | 22.94 | 22.85  |                     |
| 5               | 16QAM  | 1  | 0  | 22.56  | 22.68 | 22.70  | 23.4                |
| 5               | 16QAM  | 1  | 12 | 22.69  | 22.69 | 22.66  |                     |
| 5               | 16QAM  | 1  | 24 | 22.60  | 22.59 | 22.51  |                     |
| 5               | 16QAM  | 12 | 0  | 21.76  | 21.82 | 21.77  | 22.4                |
| 5               | 16QAM  | 12 | 7  | 21.86  | 22.00 | 21.85  |                     |
| 5               | 16QAM  | 12 | 13 | 21.87  | 21.98 | 21.84  |                     |
| 5               | 16QAM  | 25 | 0  | 21.83  | 21.94 | 21.89  |                     |
| 5               | 64QAM  | 1  | 0  | 22.31  | 22.23 | 22.21  | 22.4                |
| 5               | 64QAM  | 1  | 12 | 22.10  | 22.16 | 22.14  |                     |
| 5               | 64QAM  | 1  | 24 | 21.98  | 22.08 | 22.02  |                     |
| 5               | 64QAM  | 12 | 0  | 20.75  | 20.91 | 20.81  | 21.4                |
| 5               | 64QAM  | 12 | 7  | 20.93  | 20.84 | 20.87  |                     |
| 5               | 64QAM  | 12 | 13 | 20.91  | 20.92 | 20.77  |                     |
| 5               | 64QAM  | 25 | 0  | 20.78  | 20.84 | 20.83  |                     |
| 5               | 256QAM | 1  | 0  | 18.74  | 18.81 | 18.75  | 19.4                |
| 5               | 256QAM | 1  | 12 | 18.81  | 18.81 | 18.67  |                     |
| 5               | 256QAM | 1  | 24 | 18.92  | 18.94 | 18.89  |                     |
| 5               | 256QAM | 12 | 0  | 18.80  | 18.88 | 18.80  | 19.4                |
| 5               | 256QAM | 12 | 7  | 18.95  | 18.93 | 18.92  |                     |
| 5               | 256QAM | 12 | 13 | 18.91  | 18.89 | 18.85  |                     |
| 5               | 256QAM | 25 | 0  | 18.93  | 18.99 | 18.96  |                     |
| Channel         |        |    |    | 18615  | 18900 | 19185  | Tune-up limit       |



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| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 | (dBm)               |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 3               | QPSK   | 1  | 0  | 23.76  | 23.74 | 23.85  | 24.4                |
| 3               | QPSK   | 1  | 8  | 23.70  | 23.73 | 23.61  |                     |
| 3               | QPSK   | 1  | 14 | 23.66  | 23.72 | 23.76  |                     |
| 3               | QPSK   | 8  | 0  | 22.81  | 22.79 | 22.76  | 23.4                |
| 3               | QPSK   | 8  | 4  | 22.92  | 22.94 | 22.90  |                     |
| 3               | QPSK   | 8  | 7  | 22.86  | 22.89 | 22.84  |                     |
| 3               | QPSK   | 15 | 0  | 22.89  | 22.90 | 22.83  | 23.4                |
| 3               | 16QAM  | 1  | 0  | 22.56  | 22.63 | 22.69  |                     |
| 3               | 16QAM  | 1  | 8  | 22.67  | 22.67 | 22.67  |                     |
| 3               | 16QAM  | 1  | 14 | 22.63  | 22.61 | 22.56  | 22.4                |
| 3               | 16QAM  | 8  | 0  | 21.75  | 21.82 | 21.82  |                     |
| 3               | 16QAM  | 8  | 4  | 21.88  | 21.96 | 21.86  |                     |
| 3               | 16QAM  | 8  | 7  | 21.90  | 21.99 | 21.90  | 22.4                |
| 3               | 16QAM  | 15 | 0  | 21.83  | 21.88 | 21.80  |                     |
| 3               | 64QAM  | 1  | 0  | 22.28  | 22.23 | 22.22  |                     |
| 3               | 64QAM  | 1  | 8  | 22.11  | 22.20 | 22.09  | 22.4                |
| 3               | 64QAM  | 1  | 14 | 22.00  | 22.11 | 21.96  |                     |
| 3               | 64QAM  | 8  | 0  | 20.72  | 20.81 | 20.81  |                     |
| 3               | 64QAM  | 8  | 4  | 20.84  | 20.92 | 20.86  | 21.4                |
| 3               | 64QAM  | 8  | 7  | 20.81  | 20.88 | 20.86  |                     |
| 3               | 64QAM  | 15 | 0  | 20.76  | 20.94 | 20.82  |                     |
| 3               | 256QAM | 1  | 0  | 18.71  | 18.73 | 18.75  | 19.4                |
| 3               | 256QAM | 1  | 8  | 18.83  | 18.82 | 18.70  |                     |
| 3               | 256QAM | 1  | 14 | 18.92  | 18.96 | 18.92  |                     |
| 3               | 256QAM | 8  | 0  | 18.80  | 18.93 | 18.88  | 19.4                |
| 3               | 256QAM | 8  | 4  | 18.93  | 18.92 | 18.99  |                     |
| 3               | 256QAM | 8  | 7  | 18.84  | 18.96 | 18.92  |                     |
| 3               | 256QAM | 15 | 0  | 18.93  | 19.01 | 18.94  | Tune-up limit (dBm) |
| Channel         |        |    |    | 18607  | 18900 | 19193  |                     |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 | 24.4                |
| 1.4             | QPSK   | 1  | 0  | 23.76  | 23.79 | 23.77  |                     |
| 1.4             | QPSK   | 1  | 3  | 23.67  | 23.71 | 23.65  |                     |
| 1.4             | QPSK   | 1  | 5  | 23.69  | 23.78 | 23.74  | 23.4                |
| 1.4             | QPSK   | 3  | 0  | 23.56  | 23.63 | 23.62  |                     |
| 1.4             | QPSK   | 3  | 1  | 23.48  | 23.59 | 23.51  |                     |
| 1.4             | QPSK   | 3  | 3  | 23.59  | 23.66 | 23.64  | 23.4                |
| 1.4             | QPSK   | 6  | 0  | 22.86  | 22.83 | 22.73  |                     |
| 1.4             | 16QAM  | 1  | 0  | 22.88  | 23.00 | 22.86  |                     |
| 1.4             | 16QAM  | 1  | 3  | 22.84  | 22.90 | 22.77  | 22.4                |
| 1.4             | 16QAM  | 1  | 5  | 22.90  | 22.91 | 22.87  |                     |
| 1.4             | 16QAM  | 3  | 0  | 22.58  | 22.61 | 22.61  |                     |
| 1.4             | 16QAM  | 3  | 1  | 22.65  | 22.73 | 22.69  | 22.4                |
| 1.4             | 16QAM  | 3  | 3  | 22.64  | 22.59 | 22.59  |                     |
| 1.4             | 16QAM  | 6  | 0  | 21.75  | 21.88 | 21.78  |                     |
| 1.4             | 64QAM  | 1  | 0  | 21.91  | 21.94 | 21.87  | 22.4                |
| 1.4             | 64QAM  | 1  | 3  | 21.92  | 21.94 | 21.92  |                     |
| 1.4             | 64QAM  | 1  | 5  | 21.84  | 21.89 | 21.90  |                     |
| 1.4             | 64QAM  | 3  | 0  | 22.29  | 22.22 | 22.13  | 21.4                |
| 1.4             | 64QAM  | 3  | 1  | 22.16  | 22.21 | 22.18  |                     |
| 1.4             | 64QAM  | 3  | 3  | 22.03  | 22.12 | 22.06  |                     |
| 1.4             | 64QAM  | 6  | 0  | 20.77  | 20.84 | 20.79  | 19.4                |
| 1.4             | 256QAM | 1  | 0  | 18.66  | 18.77 | 18.80  |                     |
| 1.4             | 256QAM | 1  | 3  | 18.81  | 18.85 | 18.73  |                     |
| 1.4             | 256QAM | 1  | 5  | 18.93  | 18.87 | 18.92  | 19.4                |
| 1.4             | 256QAM | 3  | 0  | 18.81  | 18.92 | 18.88  |                     |
| 1.4             | 256QAM | 3  | 1  | 18.97  | 18.96 | 18.94  |                     |
| 1.4             | 256QAM | 3  | 3  | 18.91  | 18.90 | 18.83  | 19.4                |
| 1.4             | 256QAM | 6  | 0  | 18.89  | 18.95 | 18.99  |                     |



### <LTE Band 2\_Ant 1\_DSI 1 (Wlan On)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 18700                    | 18900                       | 19100                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |
| 20              | QPSK       | 1       | 0         | 21.87                    | 22.30                       | 22.14                     | 23.5                   |
| 20              | QPSK       | 1       | 49        | 21.97                    | 22.25                       | 22.24                     |                        |
| 20              | QPSK       | 1       | 99        | 22.02                    | 22.26                       | 22.24                     |                        |
| 20              | QPSK       | 50      | 0         | 21.08                    | 21.30                       | 21.29                     | 22.5                   |
| 20              | QPSK       | 50      | 24        | 21.15                    | 21.27                       | 21.30                     |                        |
| 20              | QPSK       | 50      | 50        | 21.07                    | 21.35                       | 21.33                     |                        |
| 20              | QPSK       | 100     | 0         | 21.12                    | 21.19                       | 21.32                     |                        |
| 20              | 16QAM      | 1       | 0         | 21.23                    | 21.54                       | 21.49                     | 22.5                   |
| 20              | 16QAM      | 1       | 49        | 21.37                    | 21.68                       | 21.63                     |                        |
| 20              | 16QAM      | 1       | 99        | 21.42                    | 21.55                       | 21.55                     |                        |
| 20              | 16QAM      | 50      | 0         | 20.05                    | 20.26                       | 20.27                     | 21.5                   |
| 20              | 16QAM      | 50      | 24        | 20.17                    | 20.30                       | 20.35                     |                        |
| 20              | 16QAM      | 50      | 50        | 20.19                    | 20.33                       | 20.37                     |                        |
| 20              | 16QAM      | 100     | 0         | 20.10                    | 20.30                       | 20.37                     |                        |
| 20              | 64QAM      | 1       | 0         | 20.11                    | 20.44                       | 20.42                     | 21.5                   |
| 20              | 64QAM      | 1       | 49        | 20.26                    | 20.54                       | 20.51                     |                        |
| 20              | 64QAM      | 1       | 99        | 20.32                    | 20.47                       | 20.27                     |                        |
| 20              | 64QAM      | 50      | 0         | 19.09                    | 19.31                       | 19.21                     | 20.5                   |
| 20              | 64QAM      | 50      | 24        | 19.12                    | 19.29                       | 19.38                     |                        |
| 20              | 64QAM      | 50      | 50        | 19.09                    | 19.33                       | 19.28                     |                        |
| 20              | 64QAM      | 100     | 0         | 19.19                    | 19.31                       | 19.37                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.18                    | 17.25                       | 17.38                     | 18.5                   |
| 20              | 256QAM     | 1       | 49        | 17.22                    | 17.46                       | 17.42                     |                        |
| 20              | 256QAM     | 1       | 99        | 17.33                    | 17.32                       | 17.44                     |                        |
| 20              | 256QAM     | 50      | 0         | 17.26                    | 17.34                       | 17.35                     | 18.5                   |
| 20              | 256QAM     | 50      | 24        | 17.31                    | 17.45                       | 17.45                     |                        |
| 20              | 256QAM     | 50      | 50        | 17.34                    | 17.40                       | 17.49                     |                        |
| 20              | 256QAM     | 100     | 0         | 17.31                    | 17.43                       | 17.47                     |                        |
| Channel         |            |         |           | 18675                    | 18900                       | 19125                     |                        |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1902.5                    |                        |
| 15              | QPSK       | 1       | 0         | 21.74                    | 22.12                       | 22.00                     | 23.5                   |
| 15              | QPSK       | 1       | 37        | 21.84                    | 22.13                       | 22.09                     |                        |
| 15              | QPSK       | 1       | 74        | 21.91                    | 22.08                       | 22.07                     |                        |
| 15              | QPSK       | 36      | 0         | 20.88                    | 21.15                       | 21.09                     | 22.5                   |
| 15              | QPSK       | 36      | 20        | 21.02                    | 21.07                       | 21.11                     |                        |
| 15              | QPSK       | 36      | 39        | 20.96                    | 21.20                       | 21.17                     |                        |
| 15              | QPSK       | 75      | 0         | 20.97                    | 21.02                       | 21.14                     |                        |
| 15              | 16QAM      | 1       | 0         | 21.05                    | 21.34                       | 21.29                     | 22.5                   |
| 15              | 16QAM      | 1       | 37        | 21.24                    | 21.54                       | 21.53                     |                        |
| 15              | 16QAM      | 1       | 74        | 21.26                    | 21.36                       | 21.42                     |                        |
| 15              | 16QAM      | 36      | 0         | 19.87                    | 20.11                       | 20.13                     | 21.5                   |
| 15              | 16QAM      | 36      | 20        | 20.04                    | 20.11                       | 20.22                     |                        |
| 15              | 16QAM      | 36      | 39        | 20.04                    | 20.21                       | 20.19                     |                        |
| 15              | 16QAM      | 75      | 0         | 19.94                    | 20.19                       | 20.20                     |                        |
| 15              | 64QAM      | 1       | 0         | 19.96                    | 20.26                       | 20.23                     | 21.5                   |
| 15              | 64QAM      | 1       | 37        | 20.08                    | 20.44                       | 20.33                     |                        |
| 15              | 64QAM      | 1       | 74        | 20.18                    | 20.35                       | 20.13                     |                        |
| 15              | 64QAM      | 36      | 0         | 18.94                    | 19.20                       | 19.05                     | 20.5                   |
| 15              | 64QAM      | 36      | 20        | 18.95                    | 19.16                       | 19.23                     |                        |
| 15              | 64QAM      | 36      | 39        | 18.89                    | 19.21                       | 19.14                     |                        |
| 15              | 64QAM      | 75      | 0         | 19.08                    | 19.21                       | 19.21                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.00                    | 17.05                       | 17.27                     | 18.5                   |
| 15              | 256QAM     | 1       | 37        | 17.05                    | 17.32                       | 17.26                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.16                    | 17.18                       | 17.31                     |                        |
| 15              | 256QAM     | 36      | 0         | 17.11                    | 17.24                       | 17.22                     | 18.5                   |
| 15              | 256QAM     | 36      | 20        | 17.16                    | 17.30                       | 17.35                     |                        |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 17.24  | 17.26 | 17.37  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 17.16  | 17.32 | 17.32  |                     |
| Channel         |        |    |    | 18650  | 18900 | 19150  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1855   | 1880  | 1905   |                     |
| 10              | QPSK   | 1  | 0  | 21.73  | 22.13 | 22.00  | 23.5                |
| 10              | QPSK   | 1  | 25 | 21.78  | 22.05 | 22.09  |                     |
| 10              | QPSK   | 1  | 49 | 21.89  | 22.16 | 22.12  |                     |
| 10              | QPSK   | 25 | 0  | 20.97  | 21.10 | 21.09  | 22.5                |
| 10              | QPSK   | 25 | 12 | 20.97  | 21.15 | 21.15  |                     |
| 10              | QPSK   | 25 | 25 | 20.90  | 21.15 | 21.16  |                     |
| 10              | QPSK   | 50 | 0  | 21.01  | 21.07 | 21.18  |                     |
| 10              | 16QAM  | 1  | 0  | 21.13  | 21.43 | 21.32  |                     |
| 10              | 16QAM  | 1  | 25 | 21.21  | 21.57 | 21.51  | 22.5                |
| 10              | 16QAM  | 1  | 49 | 21.29  | 21.35 | 21.42  |                     |
| 10              | 16QAM  | 25 | 0  | 19.93  | 20.16 | 20.10  |                     |
| 10              | 16QAM  | 25 | 12 | 20.07  | 20.17 | 20.25  | 21.5                |
| 10              | 16QAM  | 25 | 25 | 20.02  | 20.17 | 20.18  |                     |
| 10              | 16QAM  | 50 | 0  | 19.91  | 20.19 | 20.26  |                     |
| 10              | 64QAM  | 1  | 0  | 19.99  | 20.28 | 20.28  |                     |
| 10              | 64QAM  | 1  | 25 | 20.12  | 20.40 | 20.32  | 21.5                |
| 10              | 64QAM  | 1  | 49 | 20.14  | 20.34 | 20.08  |                     |
| 10              | 64QAM  | 25 | 0  | 18.97  | 19.20 | 19.03  |                     |
| 10              | 64QAM  | 25 | 12 | 18.99  | 19.13 | 19.22  | 20.5                |
| 10              | 64QAM  | 25 | 25 | 18.99  | 19.18 | 19.17  |                     |
| 10              | 64QAM  | 50 | 0  | 19.09  | 19.11 | 19.19  |                     |
| 10              | 256QAM | 1  | 0  | 16.99  | 17.06 | 17.19  | 18.5                |
| 10              | 256QAM | 1  | 25 | 17.03  | 17.28 | 17.30  |                     |
| 10              | 256QAM | 1  | 49 | 17.16  | 17.14 | 17.29  |                     |
| 10              | 256QAM | 25 | 0  | 17.13  | 17.18 | 17.22  |                     |
| 10              | 256QAM | 25 | 12 | 17.20  | 17.29 | 17.29  | 18.5                |
| 10              | 256QAM | 25 | 25 | 17.23  | 17.30 | 17.37  |                     |
| 10              | 256QAM | 50 | 0  | 17.21  | 17.26 | 17.28  |                     |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |
| 5               | QPSK   | 1  | 0  | 21.77  | 22.12 | 21.96  | 23.5                |
| 5               | QPSK   | 1  | 12 | 21.86  | 22.15 | 22.09  |                     |
| 5               | QPSK   | 1  | 24 | 21.84  | 22.08 | 22.14  |                     |
| 5               | QPSK   | 12 | 0  | 20.94  | 21.18 | 21.14  | 22.5                |
| 5               | QPSK   | 12 | 7  | 21.00  | 21.13 | 21.17  |                     |
| 5               | QPSK   | 12 | 13 | 20.93  | 21.25 | 21.16  |                     |
| 5               | QPSK   | 25 | 0  | 20.96  | 21.02 | 21.21  |                     |
| 5               | 16QAM  | 1  | 0  | 21.07  | 21.38 | 21.31  | 22.5                |
| 5               | 16QAM  | 1  | 12 | 21.17  | 21.58 | 21.53  |                     |
| 5               | 16QAM  | 1  | 24 | 21.28  | 21.40 | 21.39  |                     |
| 5               | 16QAM  | 12 | 0  | 19.85  | 20.13 | 20.07  | 21.5                |
| 5               | 16QAM  | 12 | 7  | 20.06  | 20.14 | 20.25  |                     |
| 5               | 16QAM  | 12 | 13 | 20.05  | 20.19 | 20.24  |                     |
| 5               | 16QAM  | 25 | 0  | 19.93  | 20.20 | 20.26  |                     |
| 5               | 64QAM  | 1  | 0  | 20.00  | 20.24 | 20.30  | 21.5                |
| 5               | 64QAM  | 1  | 12 | 20.06  | 20.40 | 20.41  |                     |
| 5               | 64QAM  | 1  | 24 | 20.14  | 20.29 | 20.16  |                     |
| 5               | 64QAM  | 12 | 0  | 18.91  | 19.13 | 19.04  | 20.5                |
| 5               | 64QAM  | 12 | 7  | 18.95  | 19.13 | 19.26  |                     |
| 5               | 64QAM  | 12 | 13 | 18.92  | 19.18 | 19.11  |                     |
| 5               | 64QAM  | 25 | 0  | 19.03  | 19.19 | 19.23  |                     |
| 5               | 256QAM | 1  | 0  | 17.05  | 17.11 | 17.18  | 18.5                |
| 5               | 256QAM | 1  | 12 | 17.03  | 17.32 | 17.32  |                     |
| 5               | 256QAM | 1  | 24 | 17.15  | 17.22 | 17.24  |                     |
| 5               | 256QAM | 12 | 0  | 17.13  | 17.16 | 17.21  | 18.5                |
| 5               | 256QAM | 12 | 7  | 17.12  | 17.30 | 17.25  |                     |
| 5               | 256QAM | 12 | 13 | 17.17  | 17.27 | 17.38  |                     |
| 5               | 256QAM | 25 | 0  | 17.13  | 17.24 | 17.29  |                     |



# FCC SAR TEST REPORT

Report No. : FA411111B

| Channel         |        |    |    | 18615  | 18900 | 19185  | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|-------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 |                        |
| 3               | QPSK   | 1  | 0  | 21.75  | 22.20 | 21.98  | 23.5                   |
| 3               | QPSK   | 1  | 8  | 21.80  | 22.12 | 22.07  |                        |
| 3               | QPSK   | 1  | 14 | 21.87  | 22.08 | 22.11  |                        |
| 3               | QPSK   | 8  | 0  | 20.92  | 21.20 | 21.14  | 22.5                   |
| 3               | QPSK   | 8  | 4  | 20.96  | 21.12 | 21.14  |                        |
| 3               | QPSK   | 8  | 7  | 20.87  | 21.16 | 21.17  |                        |
| 3               | QPSK   | 15 | 0  | 20.96  | 21.01 | 21.13  |                        |
| 3               | 16QAM  | 1  | 0  | 21.03  | 21.38 | 21.29  | 22.5                   |
| 3               | 16QAM  | 1  | 8  | 21.21  | 21.54 | 21.47  |                        |
| 3               | 16QAM  | 1  | 14 | 21.26  | 21.39 | 21.43  |                        |
| 3               | 16QAM  | 8  | 0  | 19.94  | 20.09 | 20.16  | 21.5                   |
| 3               | 16QAM  | 8  | 4  | 19.97  | 20.15 | 20.25  |                        |
| 3               | 16QAM  | 8  | 7  | 20.03  | 20.13 | 20.20  |                        |
| 3               | 16QAM  | 15 | 0  | 19.90  | 20.16 | 20.22  |                        |
| 3               | 64QAM  | 1  | 0  | 19.94  | 20.28 | 20.29  | 21.5                   |
| 3               | 64QAM  | 1  | 8  | 20.10  | 20.35 | 20.41  |                        |
| 3               | 64QAM  | 1  | 14 | 20.17  | 20.33 | 20.14  |                        |
| 3               | 64QAM  | 8  | 0  | 18.91  | 19.21 | 19.01  | 20.5                   |
| 3               | 64QAM  | 8  | 4  | 18.95  | 19.18 | 19.21  |                        |
| 3               | 64QAM  | 8  | 7  | 18.95  | 19.23 | 19.09  |                        |
| 3               | 64QAM  | 15 | 0  | 19.04  | 19.11 | 19.18  |                        |
| 3               | 256QAM | 1  | 0  | 17.08  | 17.09 | 17.25  | 18.5                   |
| 3               | 256QAM | 1  | 8  | 17.04  | 17.29 | 17.32  |                        |
| 3               | 256QAM | 1  | 14 | 17.16  | 17.21 | 17.32  |                        |
| 3               | 256QAM | 8  | 0  | 17.12  | 17.15 | 17.17  | 18.5                   |
| 3               | 256QAM | 8  | 4  | 17.13  | 17.29 | 17.26  |                        |
| 3               | 256QAM | 8  | 7  | 17.22  | 17.23 | 17.33  |                        |
| 3               | 256QAM | 15 | 0  | 17.17  | 17.23 | 17.27  |                        |
| Channel         |        |    |    | 18607  | 18900 | 19193  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 21.68  | 22.10 | 22.03  | 23.5                   |
| 1.4             | QPSK   | 1  | 3  | 21.82  | 22.06 | 22.05  |                        |
| 1.4             | QPSK   | 1  | 5  | 21.92  | 22.16 | 22.06  |                        |
| 1.4             | QPSK   | 3  | 0  | 21.57  | 21.94 | 21.93  |                        |
| 1.4             | QPSK   | 3  | 1  | 21.64  | 21.86 | 21.86  |                        |
| 1.4             | QPSK   | 3  | 3  | 21.73  | 21.96 | 21.87  |                        |
| 1.4             | QPSK   | 6  | 0  | 21.10  | 21.14 | 21.16  | 22.5                   |
| 1.4             | 16QAM  | 1  | 0  | 21.15  | 21.17 | 21.10  | 22.5                   |
| 1.4             | 16QAM  | 1  | 3  | 21.16  | 21.15 | 21.19  |                        |
| 1.4             | 16QAM  | 1  | 5  | 20.99  | 21.00 | 21.18  |                        |
| 1.4             | 16QAM  | 3  | 0  | 21.10  | 21.44 | 21.30  |                        |
| 1.4             | 16QAM  | 3  | 1  | 21.21  | 21.58 | 21.47  |                        |
| 1.4             | 16QAM  | 3  | 3  | 21.26  | 21.45 | 21.36  | 21.5                   |
| 1.4             | 16QAM  | 6  | 0  | 20.16  | 20.15 | 20.11  |                        |
| 1.4             | 64QAM  | 1  | 0  | 20.12  | 20.15 | 20.20  | 21.5                   |
| 1.4             | 64QAM  | 1  | 3  | 20.11  | 20.19 | 20.18  |                        |
| 1.4             | 64QAM  | 1  | 5  | 19.93  | 20.13 | 20.23  |                        |
| 1.4             | 64QAM  | 3  | 0  | 19.97  | 20.32 | 20.30  |                        |
| 1.4             | 64QAM  | 3  | 1  | 20.08  | 20.34 | 20.40  |                        |
| 1.4             | 64QAM  | 3  | 3  | 20.21  | 20.31 | 20.11  |                        |
| 1.4             | 64QAM  | 6  | 0  | 19.15  | 19.21 | 19.30  | 20.5                   |
| 1.4             | 256QAM | 1  | 0  | 17.01  | 17.12 | 17.22  | 18.5                   |
| 1.4             | 256QAM | 1  | 3  | 17.04  | 17.32 | 17.25  |                        |
| 1.4             | 256QAM | 1  | 5  | 17.18  | 17.13 | 17.32  |                        |
| 1.4             | 256QAM | 3  | 0  | 17.09  | 17.21 | 17.15  |                        |
| 1.4             | 256QAM | 3  | 1  | 17.12  | 17.33 | 17.34  |                        |
| 1.4             | 256QAM | 3  | 3  | 17.22  | 17.29 | 17.33  | 18.5                   |
| 1.4             | 256QAM | 6  | 0  | 17.19  | 17.26 | 17.29  |                        |

**<LTE Band 4\_Ant 1\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 20050                    | 20175                       | 20300                     |                        |
| Frequency (MHz) |            |         |           | 1720                     | 1732.5                      | 1745                      |                        |
| 20              | QPSK       | 1       | 0         | 23.12                    | 23.24                       | 23.31                     | 24.3                   |
| 20              | QPSK       | 1       | 49        | 22.98                    | 23.14                       | 23.19                     |                        |
| 20              | QPSK       | 1       | 99        | 23.10                    | 23.23                       | 23.29                     |                        |
| 20              | QPSK       | 50      | 0         | 22.02                    | 22.15                       | 22.25                     | 23.3                   |
| 20              | QPSK       | 50      | 24        | 22.14                    | 22.17                       | 22.26                     |                        |
| 20              | QPSK       | 50      | 50        | 22.12                    | 22.24                       | 22.32                     |                        |
| 20              | QPSK       | 100     | 0         | 22.11                    | 22.18                       | 22.34                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.26                    | 22.42                       | 22.48                     | 23.3                   |
| 20              | 16QAM      | 1       | 49        | 22.33                    | 22.45                       | 22.51                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.48                    | 22.52                       | 22.58                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.06                    | 21.18                       | 21.30                     | 22.3                   |
| 20              | 16QAM      | 50      | 24        | 21.13                    | 21.20                       | 21.27                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.11                    | 21.24                       | 21.32                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.13                    | 21.19                       | 21.35                     |                        |
| 20              | 64QAM      | 1       | 0         | 21.20                    | 21.18                       | 21.40                     | 22.3                   |
| 20              | 64QAM      | 1       | 49        | 21.18                    | 21.31                       | 21.46                     |                        |
| 20              | 64QAM      | 1       | 99        | 21.37                    | 21.36                       | 21.54                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.07                    | 20.17                       | 20.28                     | 21.3                   |
| 20              | 64QAM      | 50      | 24        | 20.15                    | 20.18                       | 20.27                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.13                    | 20.24                       | 20.37                     |                        |
| 20              | 64QAM      | 100     | 0         | 20.14                    | 20.17                       | 20.35                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.05                    | 18.24                       | 18.21                     | 19.3                   |
| 20              | 256QAM     | 1       | 49        | 17.95                    | 18.06                       | 18.14                     |                        |
| 20              | 256QAM     | 1       | 99        | 18.10                    | 18.23                       | 18.32                     |                        |
| 20              | 256QAM     | 50      | 0         | 17.86                    | 17.95                       | 18.11                     | 19.3                   |
| 20              | 256QAM     | 50      | 24        | 17.95                    | 18.11                       | 18.16                     |                        |
| 20              | 256QAM     | 50      | 50        | 17.79                    | 17.93                       | 17.95                     |                        |
| 20              | 256QAM     | 100     | 0         | 17.94                    | 18.02                       | 18.15                     |                        |
| Channel         |            |         |           | 20025                    | 20175                       | 20325                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1717.5                   | 1732.5                      | 1747.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.96                    | 23.12                       | 23.19                     | 24.3                   |
| 15              | QPSK       | 1       | 37        | 22.81                    | 22.97                       | 22.99                     |                        |
| 15              | QPSK       | 1       | 74        | 22.95                    | 23.04                       | 23.12                     |                        |
| 15              | QPSK       | 36      | 0         | 21.92                    | 21.95                       | 22.12                     | 23.3                   |
| 15              | QPSK       | 36      | 20        | 21.94                    | 22.05                       | 22.10                     |                        |
| 15              | QPSK       | 36      | 39        | 21.97                    | 22.06                       | 22.20                     |                        |
| 15              | QPSK       | 75      | 0         | 22.00                    | 22.06                       | 22.22                     | 23.3                   |
| 15              | 16QAM      | 1       | 0         | 22.08                    | 22.32                       | 22.37                     |                        |
| 15              | 16QAM      | 1       | 37        | 22.19                    | 22.33                       | 22.33                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.33                    | 22.39                       | 22.41                     | 22.3                   |
| 15              | 16QAM      | 36      | 0         | 20.95                    | 21.07                       | 21.10                     |                        |
| 15              | 16QAM      | 36      | 20        | 21.03                    | 21.09                       | 21.16                     |                        |
| 15              | 16QAM      | 36      | 39        | 20.92                    | 21.14                       | 21.21                     |                        |
| 15              | 16QAM      | 75      | 0         | 20.99                    | 21.08                       | 21.25                     | 22.3                   |
| 15              | 64QAM      | 1       | 0         | 21.00                    | 21.01                       | 21.28                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.02                    | 21.20                       | 21.36                     |                        |
| 15              | 64QAM      | 1       | 74        | 21.25                    | 21.25                       | 21.43                     | 21.3                   |
| 15              | 64QAM      | 36      | 0         | 19.97                    | 20.04                       | 20.12                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.04                    | 20.07                       | 20.15                     |                        |
| 15              | 64QAM      | 36      | 39        | 19.97                    | 20.07                       | 20.25                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.04                    | 20.01                       | 20.25                     | 19.3                   |
| 15              | 256QAM     | 1       | 0         | 17.91                    | 18.09                       | 18.09                     |                        |
| 15              | 256QAM     | 1       | 37        | 17.78                    | 17.96                       | 18.04                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.94                    | 18.13                       | 18.20                     |                        |
| 15              | 256QAM     | 36      | 0         | 17.70                    | 17.76                       | 17.99                     |                        |
| 15              | 256QAM     | 36      | 20        | 17.78                    | 18.01                       | 18.00                     |                        |



# FCC SAR TEST REPORT

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|                 |        |    |    |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| 15              | 256QAM | 36 | 39 | 17.66  | 17.79  | 17.81  | Tune-up limit<br>(dBm) |
| 15              | 256QAM | 75 | 0  | 17.80  | 17.86  | 17.99  |                        |
| Channel         |        |    |    | 20000  | 20175  | 20350  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1715   | 1732.5 | 1750   |                        |
| 10              | QPSK   | 1  | 0  | 23.02  | 23.07  | 23.20  | 24.3                   |
| 10              | QPSK   | 1  | 25 | 22.81  | 22.98  | 23.03  |                        |
| 10              | QPSK   | 1  | 49 | 23.00  | 23.04  | 23.17  |                        |
| 10              | QPSK   | 25 | 0  | 21.84  | 22.03  | 22.11  | 23.3                   |
| 10              | QPSK   | 25 | 12 | 21.95  | 21.97  | 22.14  |                        |
| 10              | QPSK   | 25 | 25 | 21.95  | 22.10  | 22.15  |                        |
| 10              | QPSK   | 50 | 0  | 22.01  | 22.01  | 22.19  |                        |
| 10              | 16QAM  | 1  | 0  | 22.15  | 22.30  | 22.31  | 23.3                   |
| 10              | 16QAM  | 1  | 25 | 22.15  | 22.31  | 22.32  |                        |
| 10              | 16QAM  | 1  | 49 | 22.32  | 22.35  | 22.41  |                        |
| 10              | 16QAM  | 25 | 0  | 20.92  | 21.07  | 21.12  | 22.3                   |
| 10              | 16QAM  | 25 | 12 | 21.02  | 21.10  | 21.10  |                        |
| 10              | 16QAM  | 25 | 25 | 20.96  | 21.05  | 21.22  |                        |
| 10              | 16QAM  | 50 | 0  | 20.95  | 21.00  | 21.21  |                        |
| 10              | 64QAM  | 1  | 0  | 21.06  | 21.01  | 21.30  | 22.3                   |
| 10              | 64QAM  | 1  | 25 | 20.99  | 21.13  | 21.36  |                        |
| 10              | 64QAM  | 1  | 49 | 21.22  | 21.16  | 21.40  |                        |
| 10              | 64QAM  | 25 | 0  | 19.95  | 20.02  | 20.12  | 21.3                   |
| 10              | 64QAM  | 25 | 12 | 20.01  | 19.99  | 20.15  |                        |
| 10              | 64QAM  | 25 | 25 | 19.97  | 20.07  | 20.24  |                        |
| 10              | 64QAM  | 50 | 0  | 20.04  | 19.99  | 20.18  |                        |
| 10              | 256QAM | 1  | 0  | 17.88  | 18.13  | 18.05  | 19.3                   |
| 10              | 256QAM | 1  | 25 | 17.81  | 17.90  | 17.97  |                        |
| 10              | 256QAM | 1  | 49 | 17.95  | 18.04  | 18.22  |                        |
| 10              | 256QAM | 25 | 0  | 17.69  | 17.79  | 17.92  | 19.3                   |
| 10              | 256QAM | 25 | 12 | 17.79  | 17.97  | 17.99  |                        |
| 10              | 256QAM | 25 | 25 | 17.64  | 17.80  | 17.84  |                        |
| 10              | 256QAM | 50 | 0  | 17.75  | 17.89  | 18.01  |                        |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.92  | 23.13  | 23.19  | 24.3                   |
| 5               | QPSK   | 1  | 12 | 22.87  | 22.94  | 23.09  |                        |
| 5               | QPSK   | 1  | 24 | 23.00  | 23.07  | 23.17  |                        |
| 5               | QPSK   | 12 | 0  | 21.88  | 21.98  | 22.10  | 23.3                   |
| 5               | QPSK   | 12 | 7  | 22.04  | 22.02  | 22.06  |                        |
| 5               | QPSK   | 12 | 13 | 21.92  | 22.12  | 22.22  |                        |
| 5               | QPSK   | 25 | 0  | 21.93  | 21.98  | 22.19  |                        |
| 5               | 16QAM  | 1  | 0  | 22.07  | 22.27  | 22.30  | 23.3                   |
| 5               | 16QAM  | 1  | 12 | 22.17  | 22.25  | 22.39  |                        |
| 5               | 16QAM  | 1  | 24 | 22.33  | 22.36  | 22.46  |                        |
| 5               | 16QAM  | 12 | 0  | 20.89  | 20.98  | 21.19  | 22.3                   |
| 5               | 16QAM  | 12 | 7  | 21.00  | 21.00  | 21.14  |                        |
| 5               | 16QAM  | 12 | 13 | 20.98  | 21.05  | 21.12  |                        |
| 5               | 16QAM  | 25 | 0  | 20.99  | 21.03  | 21.17  |                        |
| 5               | 64QAM  | 1  | 0  | 21.09  | 21.03  | 21.23  | 22.3                   |
| 5               | 64QAM  | 1  | 12 | 21.04  | 21.17  | 21.33  |                        |
| 5               | 64QAM  | 1  | 24 | 21.18  | 21.22  | 21.41  |                        |
| 5               | 64QAM  | 12 | 0  | 19.94  | 20.05  | 20.10  | 21.3                   |
| 5               | 64QAM  | 12 | 7  | 20.01  | 20.05  | 20.10  |                        |
| 5               | 64QAM  | 12 | 13 | 19.98  | 20.13  | 20.24  |                        |
| 5               | 64QAM  | 25 | 0  | 19.94  | 20.01  | 20.22  |                        |
| 5               | 256QAM | 1  | 0  | 17.89  | 18.09  | 18.02  | 19.3                   |
| 5               | 256QAM | 1  | 12 | 17.78  | 17.96  | 18.02  |                        |
| 5               | 256QAM | 1  | 24 | 17.96  | 18.09  | 18.21  |                        |
| 5               | 256QAM | 12 | 0  | 17.67  | 17.75  | 17.95  | 19.3                   |
| 5               | 256QAM | 12 | 7  | 17.79  | 17.95  | 18.06  |                        |
| 5               | 256QAM | 12 | 13 | 17.60  | 17.80  | 17.78  |                        |
| 5               | 256QAM | 25 | 0  | 17.83  | 17.86  | 18.01  |                        |



# FCC SAR TEST REPORT

Report No. : FA411111B

| Channel         |        |    |    | 19965  | 20175  | 20385  | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.01  | 23.11  | 23.14  | 24.3                   |
| 3               | QPSK   | 1  | 8  | 22.82  | 22.98  | 22.99  |                        |
| 3               | QPSK   | 1  | 14 | 22.96  | 23.11  | 23.09  |                        |
| 3               | QPSK   | 8  | 0  | 21.82  | 22.04  | 22.12  | 23.3                   |
| 3               | QPSK   | 8  | 4  | 21.98  | 21.97  | 22.08  |                        |
| 3               | QPSK   | 8  | 7  | 21.99  | 22.07  | 22.22  |                        |
| 3               | QPSK   | 15 | 0  | 22.00  | 22.06  | 22.17  |                        |
| 3               | 16QAM  | 1  | 0  | 22.08  | 22.26  | 22.30  | 23.3                   |
| 3               | 16QAM  | 1  | 8  | 22.22  | 22.28  | 22.33  |                        |
| 3               | 16QAM  | 1  | 14 | 22.28  | 22.33  | 22.46  |                        |
| 3               | 16QAM  | 8  | 0  | 20.92  | 21.03  | 21.11  | 22.3                   |
| 3               | 16QAM  | 8  | 4  | 20.97  | 21.01  | 21.10  |                        |
| 3               | 16QAM  | 8  | 7  | 20.91  | 21.14  | 21.20  |                        |
| 3               | 16QAM  | 15 | 0  | 20.98  | 21.01  | 21.17  |                        |
| 3               | 64QAM  | 1  | 0  | 21.10  | 21.00  | 21.21  | 22.3                   |
| 3               | 64QAM  | 1  | 8  | 21.01  | 21.20  | 21.36  |                        |
| 3               | 64QAM  | 1  | 14 | 21.22  | 21.23  | 21.34  |                        |
| 3               | 64QAM  | 8  | 0  | 19.94  | 20.00  | 20.09  | 21.3                   |
| 3               | 64QAM  | 8  | 4  | 19.98  | 20.07  | 20.13  |                        |
| 3               | 64QAM  | 8  | 7  | 19.99  | 20.11  | 20.27  |                        |
| 3               | 64QAM  | 15 | 0  | 19.97  | 20.03  | 20.15  |                        |
| 3               | 256QAM | 1  | 0  | 17.90  | 18.07  | 18.07  | 19.3                   |
| 3               | 256QAM | 1  | 8  | 17.85  | 17.92  | 18.01  |                        |
| 3               | 256QAM | 1  | 14 | 17.95  | 18.09  | 18.22  |                        |
| 3               | 256QAM | 8  | 0  | 17.69  | 17.84  | 17.99  | 19.3                   |
| 3               | 256QAM | 8  | 4  | 17.83  | 17.96  | 18.01  |                        |
| 3               | 256QAM | 8  | 7  | 17.67  | 17.76  | 17.84  |                        |
| 3               | 256QAM | 15 | 0  | 17.81  | 17.92  | 18.04  |                        |
| Channel         |        |    |    | 19957  | 20175  | 20393  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 23.01  | 23.08  | 23.17  | 24.3                   |
| 1.4             | QPSK   | 1  | 3  | 22.85  | 23.04  | 23.07  |                        |
| 1.4             | QPSK   | 1  | 5  | 22.92  | 23.06  | 23.18  |                        |
| 1.4             | QPSK   | 3  | 0  | 22.83  | 22.90  | 23.07  |                        |
| 1.4             | QPSK   | 3  | 1  | 22.66  | 22.85  | 22.92  |                        |
| 1.4             | QPSK   | 3  | 3  | 22.72  | 22.92  | 23.01  |                        |
| 1.4             | QPSK   | 6  | 0  | 21.82  | 21.98  | 22.06  | 23.3                   |
| 1.4             | 16QAM  | 1  | 0  | 21.94  | 21.98  | 22.09  | 23.3                   |
| 1.4             | 16QAM  | 1  | 3  | 22.02  | 22.08  | 22.14  |                        |
| 1.4             | 16QAM  | 1  | 5  | 21.98  | 22.08  | 22.14  |                        |
| 1.4             | 16QAM  | 3  | 0  | 22.15  | 22.32  | 22.35  |                        |
| 1.4             | 16QAM  | 3  | 1  | 22.22  | 22.27  | 22.34  |                        |
| 1.4             | 16QAM  | 3  | 3  | 22.30  | 22.35  | 22.47  | 22.3                   |
| 1.4             | 16QAM  | 6  | 0  | 20.94  | 21.01  | 21.11  |                        |
| 1.4             | 64QAM  | 1  | 0  | 20.99  | 21.07  | 21.10  | 22.3                   |
| 1.4             | 64QAM  | 1  | 3  | 20.93  | 21.13  | 21.13  |                        |
| 1.4             | 64QAM  | 1  | 5  | 20.94  | 21.04  | 21.22  |                        |
| 1.4             | 64QAM  | 3  | 0  | 21.08  | 20.98  | 21.22  |                        |
| 1.4             | 64QAM  | 3  | 1  | 21.04  | 21.18  | 21.29  |                        |
| 1.4             | 64QAM  | 3  | 3  | 21.17  | 21.19  | 21.35  |                        |
| 1.4             | 64QAM  | 6  | 0  | 19.87  | 20.05  | 20.15  | 21.3                   |
| 1.4             | 256QAM | 1  | 0  | 17.92  | 18.04  | 18.05  | 19.3                   |
| 1.4             | 256QAM | 1  | 3  | 17.78  | 17.94  | 17.96  |                        |
| 1.4             | 256QAM | 1  | 5  | 17.95  | 18.13  | 18.20  |                        |
| 1.4             | 256QAM | 3  | 0  | 17.76  | 17.76  | 17.93  |                        |
| 1.4             | 256QAM | 3  | 1  | 17.85  | 17.98  | 18.06  |                        |
| 1.4             | 256QAM | 3  | 3  | 17.68  | 17.78  | 17.77  | 19.3                   |
| 1.4             | 256QAM | 6  | 0  | 17.82  | 17.83  | 17.95  |                        |

**<LTE Band 4\_Ant 5\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 20050                    | 20175                       | 20300                     |                        |
| Frequency (MHz) |            |         |           | 1720                     | 1732.5                      | 1745                      |                        |
| 20              | QPSK       | 1       | 0         | 23.08                    | 23.13                       | 23.31                     |                        |
| 20              | QPSK       | 1       | 49        | 23.05                    | 23.06                       | 22.83                     | 24.5                   |
| 20              | QPSK       | 1       | 99        | 22.93                    | 22.99                       | 23.20                     |                        |
| 20              | QPSK       | 50      | 0         | 23.02                    | 23.06                       | 23.13                     |                        |
| 20              | QPSK       | 50      | 24        | 22.94                    | 23.02                       | 23.28                     | 24                     |
| 20              | QPSK       | 50      | 50        | 22.98                    | 22.96                       | 23.26                     |                        |
| 20              | QPSK       | 100     | 0         | 22.96                    | 22.96                       | 23.22                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.94                    | 22.98                       | 23.18                     | 24                     |
| 20              | 16QAM      | 1       | 49        | 23.01                    | 23.03                       | 23.19                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.80                    | 22.93                       | 23.17                     |                        |
| 20              | 16QAM      | 50      | 0         | 22.07                    | 22.06                       | 23.08                     | 23.5                   |
| 20              | 16QAM      | 50      | 24        | 22.03                    | 22.04                       | 22.24                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.09                    | 22.07                       | 22.18                     |                        |
| 20              | 16QAM      | 100     | 0         | 22.04                    | 22.04                       | 22.30                     | 23.5                   |
| 20              | 64QAM      | 1       | 0         | 22.29                    | 22.35                       | 22.17                     |                        |
| 20              | 64QAM      | 1       | 49        | 22.41                    | 22.47                       | 22.53                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.28                    | 22.42                       | 22.64                     | 22.5                   |
| 20              | 64QAM      | 50      | 0         | 20.98                    | 20.96                       | 22.49                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.97                    | 20.97                       | 21.14                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.94                    | 21.03                       | 21.14                     | 20.5                   |
| 20              | 64QAM      | 100     | 0         | 20.96                    | 20.93                       | 21.20                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.94                    | 18.96                       | 19.21                     |                        |
| 20              | 256QAM     | 1       | 49        | 19.02                    | 19.02                       | 19.20                     | 20.5                   |
| 20              | 256QAM     | 1       | 99        | 19.15                    | 19.23                       | 19.22                     |                        |
| 20              | 256QAM     | 50      | 0         | 19.00                    | 19.00                       | 19.35                     |                        |
| 20              | 256QAM     | 50      | 24        | 19.04                    | 19.17                       | 19.25                     | 20.5                   |
| 20              | 256QAM     | 50      | 50        | 19.14                    | 19.20                       | 19.34                     |                        |
| 20              | 256QAM     | 100     | 0         | 19.11                    | 19.12                       | 19.40                     |                        |
| Channel         |            |         |           | 20025                    | 20175                       | 20325                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1717.5                   | 1732.5                      | 1747.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.03                    | 23.09                       | 23.25                     |                        |
| 15              | QPSK       | 1       | 37        | 23.01                    | 22.98                       | 22.81                     | 24.5                   |
| 15              | QPSK       | 1       | 74        | 22.86                    | 22.92                       | 23.15                     |                        |
| 15              | QPSK       | 36      | 0         | 22.99                    | 23.03                       | 23.11                     | 24                     |
| 15              | QPSK       | 36      | 20        | 22.88                    | 22.99                       | 23.20                     |                        |
| 15              | QPSK       | 36      | 39        | 22.96                    | 22.92                       | 23.22                     |                        |
| 15              | QPSK       | 75      | 0         | 22.93                    | 22.89                       | 23.19                     | 24                     |
| 15              | 16QAM      | 1       | 0         | 22.89                    | 22.90                       | 23.16                     |                        |
| 15              | 16QAM      | 1       | 37        | 22.96                    | 22.95                       | 23.11                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.76                    | 22.89                       | 23.13                     | 23.5                   |
| 15              | 16QAM      | 36      | 0         | 22.00                    | 22.05                       | 23.01                     |                        |
| 15              | 16QAM      | 36      | 20        | 22.00                    | 22.02                       | 22.18                     |                        |
| 15              | 16QAM      | 36      | 39        | 22.01                    | 22.05                       | 22.14                     | 23.5                   |
| 15              | 16QAM      | 75      | 0         | 22.03                    | 22.01                       | 22.22                     |                        |
| 15              | 64QAM      | 1       | 0         | 22.25                    | 22.29                       | 22.10                     |                        |
| 15              | 64QAM      | 1       | 37        | 22.34                    | 22.41                       | 22.51                     | 22.5                   |
| 15              | 64QAM      | 1       | 74        | 22.22                    | 22.39                       | 22.59                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.94                    | 20.93                       | 22.45                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.91                    | 20.90                       | 21.06                     | 20.5                   |
| 15              | 64QAM      | 36      | 39        | 20.89                    | 20.97                       | 21.12                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.93                    | 20.90                       | 21.12                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.92                    | 18.94                       | 19.18                     | 20.5                   |
| 15              | 256QAM     | 1       | 37        | 18.99                    | 18.96                       | 19.14                     |                        |
| 15              | 256QAM     | 1       | 74        | 19.07                    | 19.16                       | 19.14                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.96                    | 18.94                       | 19.32                     | 20.5                   |
| 15              | 256QAM     | 36      | 20        | 18.97                    | 19.13                       | 19.23                     |                        |



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|                 |        |    |    |        |        |        |                     |
|-----------------|--------|----|----|--------|--------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 19.09  | 19.12  | 19.28  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 19.04  | 19.07  | 19.38  |                     |
| Channel         |        |    |    | 20000  | 20175  | 20350  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1715   | 1732.5 | 1750   |                     |
| 10              | QPSK   | 1  | 0  | 23.02  | 23.05  | 23.25  | 24.5                |
| 10              | QPSK   | 1  | 25 | 23.02  | 22.99  | 22.81  |                     |
| 10              | QPSK   | 1  | 49 | 22.89  | 22.96  | 23.12  |                     |
| 10              | QPSK   | 25 | 0  | 23.00  | 23.02  | 23.10  | 24                  |
| 10              | QPSK   | 25 | 12 | 22.86  | 22.97  | 23.22  |                     |
| 10              | QPSK   | 25 | 25 | 22.96  | 22.88  | 23.22  |                     |
| 10              | QPSK   | 50 | 0  | 22.91  | 22.91  | 23.14  |                     |
| 10              | 16QAM  | 1  | 0  | 22.89  | 22.93  | 23.13  | 24                  |
| 10              | 16QAM  | 1  | 25 | 22.96  | 22.96  | 23.14  |                     |
| 10              | 16QAM  | 1  | 49 | 22.75  | 22.86  | 23.11  |                     |
| 10              | 16QAM  | 25 | 0  | 22.02  | 22.04  | 23.03  | 23.5                |
| 10              | 16QAM  | 25 | 12 | 22.01  | 22.00  | 22.21  |                     |
| 10              | 16QAM  | 25 | 25 | 22.02  | 22.04  | 22.16  |                     |
| 10              | 16QAM  | 50 | 0  | 22.04  | 22.02  | 22.23  |                     |
| 10              | 64QAM  | 1  | 0  | 22.25  | 22.29  | 22.14  | 23.5                |
| 10              | 64QAM  | 1  | 25 | 22.37  | 22.39  | 22.47  |                     |
| 10              | 64QAM  | 1  | 49 | 22.20  | 22.34  | 22.58  |                     |
| 10              | 64QAM  | 25 | 0  | 20.96  | 20.90  | 22.46  | 22.5                |
| 10              | 64QAM  | 25 | 12 | 20.93  | 20.91  | 21.07  |                     |
| 10              | 64QAM  | 25 | 25 | 20.86  | 20.95  | 21.08  |                     |
| 10              | 64QAM  | 50 | 0  | 20.90  | 20.91  | 21.18  |                     |
| 10              | 256QAM | 1  | 0  | 18.89  | 18.93  | 19.18  | 20.5                |
| 10              | 256QAM | 1  | 25 | 18.99  | 18.98  | 19.18  |                     |
| 10              | 256QAM | 1  | 49 | 19.07  | 19.20  | 19.19  |                     |
| 10              | 256QAM | 25 | 0  | 18.98  | 18.96  | 19.33  | 20.5                |
| 10              | 256QAM | 25 | 12 | 19.01  | 19.14  | 19.21  |                     |
| 10              | 256QAM | 25 | 25 | 19.11  | 19.14  | 19.32  |                     |
| 10              | 256QAM | 50 | 0  | 19.04  | 19.05  | 19.36  |                     |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.04  | 23.05  | 23.24  | 24.5                |
| 5               | QPSK   | 1  | 12 | 22.97  | 23.03  | 22.80  |                     |
| 5               | QPSK   | 1  | 24 | 22.88  | 22.93  | 23.14  |                     |
| 5               | QPSK   | 12 | 0  | 22.94  | 23.04  | 23.09  | 24                  |
| 5               | QPSK   | 12 | 7  | 22.92  | 22.98  | 23.22  |                     |
| 5               | QPSK   | 12 | 13 | 22.95  | 22.89  | 23.19  |                     |
| 5               | QPSK   | 25 | 0  | 22.90  | 22.89  | 23.20  |                     |
| 5               | 16QAM  | 1  | 0  | 22.91  | 22.91  | 23.16  | 24                  |
| 5               | 16QAM  | 1  | 12 | 22.95  | 22.97  | 23.16  |                     |
| 5               | 16QAM  | 1  | 24 | 22.78  | 22.90  | 23.09  |                     |
| 5               | 16QAM  | 12 | 0  | 22.04  | 22.01  | 23.03  | 23.5                |
| 5               | 16QAM  | 12 | 7  | 22.01  | 22.02  | 22.16  |                     |
| 5               | 16QAM  | 12 | 13 | 22.02  | 22.03  | 22.12  |                     |
| 5               | 16QAM  | 25 | 0  | 22.01  | 22.00  | 22.25  |                     |
| 5               | 64QAM  | 1  | 0  | 22.22  | 22.32  | 22.15  | 23.5                |
| 5               | 64QAM  | 1  | 12 | 22.39  | 22.45  | 22.51  |                     |
| 5               | 64QAM  | 1  | 24 | 22.24  | 22.37  | 22.60  |                     |
| 5               | 64QAM  | 12 | 0  | 20.95  | 20.88  | 22.47  | 22.5                |
| 5               | 64QAM  | 12 | 7  | 20.94  | 20.89  | 21.06  |                     |
| 5               | 64QAM  | 12 | 13 | 20.90  | 20.98  | 21.09  |                     |
| 5               | 64QAM  | 25 | 0  | 20.92  | 20.88  | 21.17  |                     |
| 5               | 256QAM | 1  | 0  | 18.92  | 18.93  | 19.14  | 20.5                |
| 5               | 256QAM | 1  | 12 | 18.98  | 18.99  | 19.13  |                     |
| 5               | 256QAM | 1  | 24 | 19.11  | 19.18  | 19.15  |                     |
| 5               | 256QAM | 12 | 0  | 18.97  | 18.98  | 19.30  | 20.5                |
| 5               | 256QAM | 12 | 7  | 18.97  | 19.13  | 19.20  |                     |
| 5               | 256QAM | 12 | 13 | 19.09  | 19.12  | 19.27  |                     |
| 5               | 256QAM | 25 | 0  | 19.03  | 19.10  | 19.35  |                     |



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| Channel         |        |    |    | 19965  | 20175  | 20385  | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.02  | 23.08  | 23.26  | 24.5                   |
| 3               | QPSK   | 1  | 8  | 23.02  | 23.04  | 22.77  |                        |
| 3               | QPSK   | 1  | 14 | 22.88  | 22.92  | 23.16  |                        |
| 3               | QPSK   | 8  | 0  | 22.96  | 22.99  | 23.06  | 24                     |
| 3               | QPSK   | 8  | 4  | 22.88  | 23.00  | 23.22  |                        |
| 3               | QPSK   | 8  | 7  | 22.96  | 22.91  | 23.23  |                        |
| 3               | QPSK   | 15 | 0  | 22.94  | 22.89  | 23.19  |                        |
| 3               | 16QAM  | 1  | 0  | 22.88  | 22.96  | 23.15  | 24                     |
| 3               | 16QAM  | 1  | 8  | 22.93  | 22.99  | 23.14  |                        |
| 3               | 16QAM  | 1  | 14 | 22.73  | 22.86  | 23.10  |                        |
| 3               | 16QAM  | 8  | 0  | 22.02  | 22.04  | 23.02  | 23.5                   |
| 3               | 16QAM  | 8  | 4  | 22.00  | 22.00  | 22.19  |                        |
| 3               | 16QAM  | 8  | 7  | 22.06  | 22.03  | 22.14  |                        |
| 3               | 16QAM  | 15 | 0  | 22.03  | 22.04  | 22.26  |                        |
| 3               | 64QAM  | 1  | 0  | 22.27  | 22.30  | 22.11  | 23.5                   |
| 3               | 64QAM  | 1  | 8  | 22.37  | 22.40  | 22.45  |                        |
| 3               | 64QAM  | 1  | 14 | 22.21  | 22.40  | 22.60  |                        |
| 3               | 64QAM  | 8  | 0  | 20.92  | 20.94  | 22.41  | 22.5                   |
| 3               | 64QAM  | 8  | 4  | 20.89  | 20.93  | 21.12  |                        |
| 3               | 64QAM  | 8  | 7  | 20.86  | 20.98  | 21.07  |                        |
| 3               | 64QAM  | 15 | 0  | 20.92  | 20.85  | 21.14  |                        |
| 3               | 256QAM | 1  | 0  | 18.90  | 18.92  | 19.14  | 20.5                   |
| 3               | 256QAM | 1  | 8  | 18.95  | 18.99  | 19.17  |                        |
| 3               | 256QAM | 1  | 14 | 19.10  | 19.21  | 19.20  |                        |
| 3               | 256QAM | 8  | 0  | 18.97  | 18.93  | 19.31  | 20.5                   |
| 3               | 256QAM | 8  | 4  | 19.01  | 19.09  | 19.22  |                        |
| 3               | 256QAM | 8  | 7  | 19.07  | 19.16  | 19.28  |                        |
| 3               | 256QAM | 15 | 0  | 19.03  | 19.04  | 19.33  |                        |
| Channel         |        |    |    | 19957  | 20175  | 20393  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 22.98  | 23.07  | 23.25  | 24.5                   |
| 1.4             | QPSK   | 1  | 3  | 23.01  | 23.02  | 22.73  |                        |
| 1.4             | QPSK   | 1  | 5  | 22.83  | 22.89  | 23.12  |                        |
| 1.4             | QPSK   | 3  | 0  | 22.92  | 22.98  | 23.02  |                        |
| 1.4             | QPSK   | 3  | 1  | 22.85  | 22.99  | 23.19  |                        |
| 1.4             | QPSK   | 3  | 3  | 22.91  | 22.87  | 23.21  |                        |
| 1.4             | QPSK   | 6  | 0  | 22.93  | 22.87  | 23.15  | 24                     |
| 1.4             | 16QAM  | 1  | 0  | 22.86  | 22.92  | 23.11  | 24                     |
| 1.4             | 16QAM  | 1  | 3  | 22.91  | 22.98  | 23.10  |                        |
| 1.4             | 16QAM  | 1  | 5  | 22.68  | 22.83  | 23.05  |                        |
| 1.4             | 16QAM  | 3  | 0  | 22.01  | 22.02  | 22.97  |                        |
| 1.4             | 16QAM  | 3  | 1  | 22.05  | 22.03  | 22.18  |                        |
| 1.4             | 16QAM  | 3  | 3  | 22.04  | 22.01  | 22.13  |                        |
| 1.4             | 16QAM  | 6  | 0  | 22.02  | 22.00  | 22.22  | 23.5                   |
| 1.4             | 64QAM  | 1  | 0  | 22.22  | 22.26  | 22.08  | 23.5                   |
| 1.4             | 64QAM  | 1  | 3  | 22.36  | 22.35  | 22.44  |                        |
| 1.4             | 64QAM  | 1  | 5  | 22.19  | 22.38  | 22.58  |                        |
| 1.4             | 64QAM  | 3  | 0  | 22.04  | 21.93  | 22.39  |                        |
| 1.4             | 64QAM  | 3  | 1  | 22.00  | 21.91  | 22.10  |                        |
| 1.4             | 64QAM  | 3  | 3  | 21.82  | 21.93  | 22.05  |                        |
| 1.4             | 64QAM  | 6  | 0  | 20.90  | 20.84  | 21.13  | 22.5                   |
| 1.4             | 256QAM | 1  | 0  | 18.87  | 18.89  | 19.11  | 20.5                   |
| 1.4             | 256QAM | 1  | 3  | 18.92  | 18.97  | 19.13  |                        |
| 1.4             | 256QAM | 1  | 5  | 19.06  | 19.19  | 19.16  |                        |
| 1.4             | 256QAM | 3  | 0  | 18.92  | 18.88  | 19.27  |                        |
| 1.4             | 256QAM | 3  | 1  | 18.97  | 19.08  | 19.20  |                        |
| 1.4             | 256QAM | 3  | 3  | 19.02  | 19.15  | 19.25  |                        |
| 1.4             | 256QAM | 6  | 0  | 18.98  | 19.03  | 19.32  | 20.5                   |



<LTE Band 4\_Ant 1\_DSI 1 (Wlan On)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 20050                 | 20175                    | 20300                  |                     |
| Frequency (MHz) |            |         |           | 1720                  | 1732.5                   | 1745                   |                     |
| 20              | QPSK       | 1       | 0         | 22.05                 | 22.15                    | 22.21                  | 22.6                |
| 20              | QPSK       | 1       | 49        | 21.90                 | 22.06                    | 22.18                  |                     |
| 20              | QPSK       | 1       | 99        | 22.04                 | 22.14                    | 22.20                  |                     |
| 20              | QPSK       | 50      | 0         | 20.94                 | 21.07                    | 21.18                  | 21.6                |
| 20              | QPSK       | 50      | 24        | 21.02                 | 21.06                    | 21.16                  |                     |
| 20              | QPSK       | 50      | 50        | 21.00                 | 21.10                    | 21.23                  |                     |
| 20              | QPSK       | 100     | 0         | 20.99                 | 21.06                    | 21.23                  |                     |
| 20              | 16QAM      | 1       | 0         | 21.19                 | 21.33                    | 21.46                  | 21.6                |
| 20              | 16QAM      | 1       | 49        | 21.20                 | 21.41                    | 21.45                  |                     |
| 20              | 16QAM      | 1       | 99        | 21.38                 | 21.44                    | 21.53                  |                     |
| 20              | 16QAM      | 50      | 0         | 19.95                 | 20.05                    | 20.20                  | 20.6                |
| 20              | 16QAM      | 50      | 24        | 20.06                 | 20.09                    | 20.20                  |                     |
| 20              | 16QAM      | 50      | 50        | 20.02                 | 20.15                    | 20.25                  |                     |
| 20              | 16QAM      | 100     | 0         | 20.01                 | 20.10                    | 20.24                  |                     |
| 20              | 64QAM      | 1       | 0         | 20.04                 | 20.22                    | 20.29                  | 20.6                |
| 20              | 64QAM      | 1       | 49        | 20.08                 | 20.30                    | 20.25                  |                     |
| 20              | 64QAM      | 1       | 99        | 20.24                 | 20.42                    | 20.38                  |                     |
| 20              | 64QAM      | 50      | 0         | 18.95                 | 19.11                    | 19.19                  | 19.6                |
| 20              | 64QAM      | 50      | 24        | 19.01                 | 19.09                    | 19.19                  |                     |
| 20              | 64QAM      | 50      | 50        | 19.03                 | 19.13                    | 19.24                  |                     |
| 20              | 64QAM      | 100     | 0         | 19.03                 | 19.07                    | 19.25                  |                     |
| 20              | 256QAM     | 1       | 0         | 17.05                 | 17.24                    | 17.21                  | 17.6                |
| 20              | 256QAM     | 1       | 49        | 16.95                 | 17.06                    | 17.14                  |                     |
| 20              | 256QAM     | 1       | 99        | 17.10                 | 17.23                    | 17.32                  |                     |
| 20              | 256QAM     | 50      | 0         | 16.86                 | 16.95                    | 17.11                  | 17.6                |
| 20              | 256QAM     | 50      | 24        | 16.95                 | 17.11                    | 17.16                  |                     |
| 20              | 256QAM     | 50      | 50        | 16.79                 | 16.93                    | 16.95                  |                     |
| 20              | 256QAM     | 100     | 0         | 16.94                 | 17.02                    | 17.15                  |                     |
| Channel         |            |         |           | 20025                 | 20175                    | 20325                  |                     |
| Frequency (MHz) |            |         |           | 1717.5                | 1732.5                   | 1747.5                 |                     |
| 15              | QPSK       | 1       | 0         | 21.95                 | 22.08                    | 22.14                  | 22.6                |
| 15              | QPSK       | 1       | 37        | 21.85                 | 21.97                    | 22.13                  |                     |
| 15              | QPSK       | 1       | 74        | 21.97                 | 22.09                    | 22.15                  |                     |
| 15              | QPSK       | 36      | 0         | 20.89                 | 20.98                    | 21.12                  | 21.6                |
| 15              | QPSK       | 36      | 20        | 20.92                 | 20.96                    | 21.06                  |                     |
| 15              | QPSK       | 36      | 39        | 20.95                 | 21.01                    | 21.17                  |                     |
| 15              | QPSK       | 75      | 0         | 20.92                 | 21.01                    | 21.15                  |                     |
| 15              | 16QAM      | 1       | 0         | 21.09                 | 21.27                    | 21.39                  | 21.6                |
| 15              | 16QAM      | 1       | 37        | 21.14                 | 21.31                    | 21.40                  |                     |
| 15              | 16QAM      | 1       | 74        | 21.30                 | 21.37                    | 21.47                  |                     |
| 15              | 16QAM      | 36      | 0         | 19.88                 | 19.97                    | 20.10                  | 20.6                |
| 15              | 16QAM      | 36      | 20        | 19.96                 | 20.00                    | 20.11                  |                     |
| 15              | 16QAM      | 36      | 39        | 19.95                 | 20.08                    | 20.15                  |                     |
| 15              | 16QAM      | 75      | 0         | 19.92                 | 20.03                    | 20.16                  |                     |
| 15              | 64QAM      | 1       | 0         | 19.94                 | 20.13                    | 20.22                  | 20.6                |
| 15              | 64QAM      | 1       | 37        | 20.01                 | 20.21                    | 20.18                  |                     |
| 15              | 64QAM      | 1       | 74        | 20.17                 | 20.33                    | 20.32                  |                     |
| 15              | 64QAM      | 36      | 0         | 18.89                 | 19.04                    | 19.10                  | 19.6                |
| 15              | 64QAM      | 36      | 20        | 18.92                 | 19.00                    | 19.09                  |                     |
| 15              | 64QAM      | 36      | 39        | 18.98                 | 19.08                    | 19.16                  |                     |
| 15              | 64QAM      | 75      | 0         | 18.94                 | 18.98                    | 19.19                  |                     |
| 15              | 256QAM     | 1       | 0         | 17.00                 | 17.17                    | 17.12                  | 17.6                |
| 15              | 256QAM     | 1       | 37        | 16.86                 | 16.99                    | 17.08                  |                     |
| 15              | 256QAM     | 1       | 74        | 17.01                 | 17.18                    | 17.24                  |                     |
| 15              | 256QAM     | 36      | 0         | 16.78                 | 16.86                    | 17.06                  | 17.6                |
| 15              | 256QAM     | 36      | 20        | 16.90                 | 17.01                    | 17.11                  |                     |



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|                 |        |    |    |        |        |        |                     |
|-----------------|--------|----|----|--------|--------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 16.73  | 16.84  | 16.87  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 16.89  | 16.96  | 17.07  |                     |
| Channel         |        |    |    | 20000  | 20175  | 20350  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1715   | 1732.5 | 1750   |                     |
| 10              | QPSK   | 1  | 0  | 21.97  | 22.06  | 22.11  | 22.6                |
| 10              | QPSK   | 1  | 25 | 21.80  | 22.00  | 22.09  |                     |
| 10              | QPSK   | 1  | 49 | 21.94  | 22.09  | 22.10  |                     |
| 10              | QPSK   | 25 | 0  | 20.89  | 21.01  | 21.08  | 21.6                |
| 10              | QPSK   | 25 | 12 | 20.94  | 21.01  | 21.08  |                     |
| 10              | QPSK   | 25 | 25 | 20.90  | 21.03  | 21.17  |                     |
| 10              | QPSK   | 50 | 0  | 20.94  | 20.97  | 21.18  |                     |
| 10              | 16QAM  | 1  | 0  | 21.09  | 21.25  | 21.38  | 21.6                |
| 10              | 16QAM  | 1  | 25 | 21.13  | 21.32  | 21.38  |                     |
| 10              | 16QAM  | 1  | 49 | 21.28  | 21.38  | 21.47  |                     |
| 10              | 16QAM  | 25 | 0  | 19.89  | 19.95  | 20.11  | 20.6                |
| 10              | 16QAM  | 25 | 12 | 20.01  | 20.01  | 20.12  |                     |
| 10              | 16QAM  | 25 | 25 | 19.94  | 20.10  | 20.19  |                     |
| 10              | 16QAM  | 50 | 0  | 19.93  | 20.05  | 20.14  |                     |
| 10              | 64QAM  | 1  | 0  | 19.99  | 20.14  | 20.24  | 20.6                |
| 10              | 64QAM  | 1  | 25 | 20.01  | 20.24  | 20.17  |                     |
| 10              | 64QAM  | 1  | 49 | 20.18  | 20.36  | 20.30  |                     |
| 10              | 64QAM  | 25 | 0  | 18.88  | 19.04  | 19.12  | 19.6                |
| 10              | 64QAM  | 25 | 12 | 18.92  | 19.03  | 19.13  |                     |
| 10              | 64QAM  | 25 | 25 | 18.93  | 19.05  | 19.17  |                     |
| 10              | 64QAM  | 50 | 0  | 18.98  | 19.02  | 19.17  |                     |
| 10              | 256QAM | 1  | 0  | 17.00  | 17.18  | 17.14  | 17.6                |
| 10              | 256QAM | 1  | 25 | 16.87  | 17.00  | 17.05  |                     |
| 10              | 256QAM | 1  | 49 | 17.04  | 17.13  | 17.22  |                     |
| 10              | 256QAM | 25 | 0  | 16.78  | 16.86  | 17.01  | 17.6                |
| 10              | 256QAM | 25 | 12 | 16.90  | 17.06  | 17.11  |                     |
| 10              | 256QAM | 25 | 25 | 16.72  | 16.88  | 16.87  |                     |
| 10              | 256QAM | 50 | 0  | 16.86  | 16.93  | 17.08  |                     |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                     |
| 5               | QPSK   | 1  | 0  | 21.95  | 22.10  | 22.13  | 22.6                |
| 5               | QPSK   | 1  | 12 | 21.82  | 21.98  | 22.11  |                     |
| 5               | QPSK   | 1  | 24 | 21.97  | 22.05  | 22.11  |                     |
| 5               | QPSK   | 12 | 0  | 20.86  | 20.99  | 21.09  | 21.6                |
| 5               | QPSK   | 12 | 7  | 20.96  | 21.01  | 21.08  |                     |
| 5               | QPSK   | 12 | 13 | 20.94  | 21.02  | 21.16  |                     |
| 5               | QPSK   | 25 | 0  | 20.90  | 20.98  | 21.14  |                     |
| 5               | 16QAM  | 1  | 0  | 21.10  | 21.28  | 21.39  | 21.6                |
| 5               | 16QAM  | 1  | 12 | 21.12  | 21.36  | 21.35  |                     |
| 5               | 16QAM  | 1  | 24 | 21.33  | 21.37  | 21.43  |                     |
| 5               | 16QAM  | 12 | 0  | 19.90  | 20.00  | 20.14  | 20.6                |
| 5               | 16QAM  | 12 | 7  | 19.99  | 20.04  | 20.15  |                     |
| 5               | 16QAM  | 12 | 13 | 19.93  | 20.10  | 20.15  |                     |
| 5               | 16QAM  | 25 | 0  | 19.95  | 20.00  | 20.17  |                     |
| 5               | 64QAM  | 1  | 0  | 19.98  | 20.14  | 20.22  | 20.6                |
| 5               | 64QAM  | 1  | 12 | 20.02  | 20.24  | 20.16  |                     |
| 5               | 64QAM  | 1  | 24 | 20.16  | 20.37  | 20.29  |                     |
| 5               | 64QAM  | 12 | 0  | 18.86  | 19.04  | 19.10  | 19.6                |
| 5               | 64QAM  | 12 | 7  | 18.96  | 19.02  | 19.10  |                     |
| 5               | 64QAM  | 12 | 13 | 18.97  | 19.05  | 19.16  |                     |
| 5               | 64QAM  | 25 | 0  | 18.97  | 18.97  | 19.19  |                     |
| 5               | 256QAM | 1  | 0  | 16.96  | 17.15  | 17.12  | 17.6                |
| 5               | 256QAM | 1  | 12 | 16.88  | 16.96  | 17.06  |                     |
| 5               | 256QAM | 1  | 24 | 17.02  | 17.17  | 17.23  |                     |
| 5               | 256QAM | 12 | 0  | 16.80  | 16.89  | 17.04  | 17.6                |
| 5               | 256QAM | 12 | 7  | 16.86  | 17.06  | 17.08  |                     |
| 5               | 256QAM | 12 | 13 | 16.74  | 16.87  | 16.89  |                     |
| 5               | 256QAM | 25 | 0  | 16.88  | 16.96  | 17.05  |                     |



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| Channel         |        |    |    | 19965  | 20175  | 20385  | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 |                        |
| 3               | QPSK   | 1  | 0  | 21.96  | 22.07  | 22.16  | 22.6                   |
| 3               | QPSK   | 1  | 8  | 21.81  | 21.99  | 22.13  |                        |
| 3               | QPSK   | 1  | 14 | 21.99  | 22.09  | 22.10  |                        |
| 3               | QPSK   | 8  | 0  | 20.86  | 21.02  | 21.10  | 21.6                   |
| 3               | QPSK   | 8  | 4  | 20.97  | 20.99  | 21.11  |                        |
| 3               | QPSK   | 8  | 7  | 20.93  | 21.03  | 21.15  |                        |
| 3               | QPSK   | 15 | 0  | 20.94  | 20.97  | 21.16  |                        |
| 3               | 16QAM  | 1  | 0  | 21.09  | 21.26  | 21.41  | 21.6                   |
| 3               | 16QAM  | 1  | 8  | 21.14  | 21.32  | 21.38  |                        |
| 3               | 16QAM  | 1  | 14 | 21.29  | 21.35  | 21.46  |                        |
| 3               | 16QAM  | 8  | 0  | 19.90  | 19.95  | 20.10  | 20.6                   |
| 3               | 16QAM  | 8  | 4  | 19.97  | 20.04  | 20.13  |                        |
| 3               | 16QAM  | 8  | 7  | 19.97  | 20.05  | 20.19  |                        |
| 3               | 16QAM  | 15 | 0  | 19.96  | 20.03  | 20.16  |                        |
| 3               | 64QAM  | 1  | 0  | 19.99  | 20.13  | 20.24  | 20.6                   |
| 3               | 64QAM  | 1  | 8  | 20.00  | 20.21  | 20.18  |                        |
| 3               | 64QAM  | 1  | 14 | 20.16  | 20.37  | 20.28  |                        |
| 3               | 64QAM  | 8  | 0  | 18.86  | 19.02  | 19.14  | 19.6                   |
| 3               | 64QAM  | 8  | 4  | 18.95  | 19.01  | 19.11  |                        |
| 3               | 64QAM  | 8  | 7  | 18.93  | 19.05  | 19.18  |                        |
| 3               | 64QAM  | 15 | 0  | 18.96  | 19.01  | 19.15  |                        |
| 3               | 256QAM | 1  | 0  | 16.95  | 17.16  | 17.15  | 17.6                   |
| 3               | 256QAM | 1  | 8  | 16.89  | 16.99  | 17.07  |                        |
| 3               | 256QAM | 1  | 14 | 17.05  | 17.16  | 17.25  |                        |
| 3               | 256QAM | 8  | 0  | 16.81  | 16.90  | 17.04  | 17.6                   |
| 3               | 256QAM | 8  | 4  | 16.89  | 17.06  | 17.09  |                        |
| 3               | 256QAM | 8  | 7  | 16.72  | 16.85  | 16.86  |                        |
| 3               | 256QAM | 15 | 0  | 16.85  | 16.97  | 17.07  |                        |
| Channel         |        |    |    | 19957  | 20175  | 20393  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 21.72  | 21.94  | 22.14  | 22.6                   |
| 1.4             | QPSK   | 1  | 3  | 21.80  | 22.00  | 22.17  |                        |
| 1.4             | QPSK   | 1  | 5  | 21.70  | 21.97  | 22.13  |                        |
| 1.4             | QPSK   | 3  | 0  | 21.76  | 21.99  | 22.15  |                        |
| 1.4             | QPSK   | 3  | 1  | 21.78  | 21.99  | 22.14  |                        |
| 1.4             | QPSK   | 3  | 3  | 21.78  | 22.01  | 22.13  |                        |
| 1.4             | QPSK   | 6  | 0  | 20.77  | 20.93  | 21.14  | 21.6                   |
| 1.4             | 16QAM  | 1  | 0  | 20.98  | 21.28  | 21.34  | 21.6                   |
| 1.4             | 16QAM  | 1  | 3  | 21.10  | 21.33  | 21.39  |                        |
| 1.4             | 16QAM  | 1  | 5  | 21.12  | 21.32  | 21.33  |                        |
| 1.4             | 16QAM  | 3  | 0  | 20.87  | 21.08  | 21.28  |                        |
| 1.4             | 16QAM  | 3  | 1  | 20.90  | 21.08  | 21.28  |                        |
| 1.4             | 16QAM  | 3  | 3  | 20.87  | 21.15  | 21.23  | 20.6                   |
| 1.4             | 16QAM  | 6  | 0  | 19.84  | 20.00  | 20.21  |                        |
| 1.4             | 64QAM  | 1  | 0  | 19.94  | 20.16  | 20.30  | 20.6                   |
| 1.4             | 64QAM  | 1  | 3  | 20.02  | 20.23  | 20.35  |                        |
| 1.4             | 64QAM  | 1  | 5  | 19.96  | 20.21  | 20.35  |                        |
| 1.4             | 64QAM  | 3  | 0  | 19.90  | 20.11  | 20.31  |                        |
| 1.4             | 64QAM  | 3  | 1  | 19.89  | 20.11  | 20.27  |                        |
| 1.4             | 64QAM  | 3  | 3  | 19.93  | 20.15  | 20.32  | 19.6                   |
| 1.4             | 64QAM  | 6  | 0  | 18.84  | 18.98  | 19.21  |                        |
| 1.4             | 256QAM | 1  | 0  | 16.61  | 16.70  | 16.84  | 17.6                   |
| 1.4             | 256QAM | 1  | 3  | 16.75  | 16.96  | 16.95  |                        |
| 1.4             | 256QAM | 1  | 5  | 16.69  | 16.79  | 16.87  |                        |
| 1.4             | 256QAM | 3  | 0  | 16.85  | 16.96  | 17.05  |                        |
| 1.4             | 256QAM | 3  | 1  | 16.61  | 16.70  | 16.84  |                        |
| 1.4             | 256QAM | 3  | 3  | 16.69  | 16.86  | 16.89  | 17.6                   |
| 1.4             | 256QAM | 6  | 0  | 16.52  | 16.65  | 16.66  |                        |

**<LTE Band 5\_Ant 1\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 20450                    | 20525                       | 20600                     |                        |
| Frequency (MHz) |            |         |           | 829                      | 836.5                       | 844                       |                        |
| 10              | QPSK       | 1       | 0         | 24.33                    | 24.36                       | 24.22                     |                        |
| 10              | QPSK       | 1       | 25        | 24.33                    | 24.32                       | 24.19                     | 25.2                   |
| 10              | QPSK       | 1       | 49        | 24.31                    | 24.17                       | 24.04                     |                        |
| 10              | QPSK       | 25      | 0         | 23.39                    | 23.40                       | 23.31                     |                        |
| 10              | QPSK       | 25      | 12        | 23.43                    | 23.34                       | 23.24                     | 24.2                   |
| 10              | QPSK       | 25      | 25        | 23.43                    | 23.30                       | 23.11                     |                        |
| 10              | QPSK       | 50      | 0         | 23.45                    | 23.35                       | 23.26                     |                        |
| 10              | 16QAM      | 1       | 0         | 23.70                    | 23.59                       | 23.47                     | 24.2                   |
| 10              | 16QAM      | 1       | 25        | 23.59                    | 23.60                       | 23.44                     |                        |
| 10              | 16QAM      | 1       | 49        | 23.58                    | 23.50                       | 23.30                     |                        |
| 10              | 16QAM      | 25      | 0         | 22.39                    | 22.35                       | 22.27                     | 23.2                   |
| 10              | 16QAM      | 25      | 12        | 22.46                    | 22.38                       | 22.24                     |                        |
| 10              | 16QAM      | 25      | 25        | 22.44                    | 22.34                       | 22.06                     |                        |
| 10              | 16QAM      | 50      | 0         | 22.41                    | 22.37                       | 22.25                     | 23.2                   |
| 10              | 64QAM      | 1       | 0         | 22.61                    | 22.64                       | 22.49                     |                        |
| 10              | 64QAM      | 1       | 25        | 22.66                    | 22.60                       | 22.42                     |                        |
| 10              | 64QAM      | 1       | 49        | 22.50                    | 22.44                       | 22.22                     | 22.2                   |
| 10              | 64QAM      | 25      | 0         | 21.42                    | 21.39                       | 21.22                     |                        |
| 10              | 64QAM      | 25      | 12        | 21.48                    | 21.35                       | 21.23                     |                        |
| 10              | 64QAM      | 25      | 25        | 21.42                    | 21.28                       | 21.12                     | 20.2                   |
| 10              | 64QAM      | 50      | 0         | 21.43                    | 21.35                       | 21.23                     |                        |
| 10              | 256QAM     | 1       | 0         | 19.45                    | 19.49                       | 19.45                     |                        |
| 10              | 256QAM     | 1       | 25        | 19.60                    | 19.64                       | 19.33                     | 20.2                   |
| 10              | 256QAM     | 1       | 49        | 19.49                    | 19.40                       | 19.16                     |                        |
| 10              | 256QAM     | 25      | 0         | 19.46                    | 19.45                       | 19.32                     |                        |
| 10              | 256QAM     | 25      | 12        | 19.50                    | 19.47                       | 19.26                     | 20.2                   |
| 10              | 256QAM     | 25      | 25        | 19.48                    | 19.41                       | 19.16                     |                        |
| 10              | 256QAM     | 50      | 0         | 19.54                    | 19.43                       | 19.29                     |                        |
| Channel         |            |         |           | 20425                    | 20525                       | 20625                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 826.5                    | 836.5                       | 846.5                     |                        |
| 5               | QPSK       | 1       | 0         | 24.20                    | 24.23                       | 24.07                     |                        |
| 5               | QPSK       | 1       | 12        | 24.21                    | 24.20                       | 24.02                     | 25.2                   |
| 5               | QPSK       | 1       | 24        | 24.16                    | 24.05                       | 23.88                     |                        |
| 5               | QPSK       | 12      | 0         | 23.22                    | 23.20                       | 23.21                     | 24.2                   |
| 5               | QPSK       | 12      | 7         | 23.31                    | 23.24                       | 23.13                     |                        |
| 5               | QPSK       | 12      | 13        | 23.25                    | 23.10                       | 22.96                     |                        |
| 5               | QPSK       | 25      | 0         | 23.31                    | 23.21                       | 23.06                     | 24.2                   |
| 5               | 16QAM      | 1       | 0         | 23.50                    | 23.42                       | 23.32                     |                        |
| 5               | 16QAM      | 1       | 12        | 23.42                    | 23.43                       | 23.29                     |                        |
| 5               | 16QAM      | 1       | 24        | 23.41                    | 23.35                       | 23.18                     | 23.2                   |
| 5               | 16QAM      | 12      | 0         | 22.22                    | 22.24                       | 22.08                     |                        |
| 5               | 16QAM      | 12      | 7         | 22.36                    | 22.20                       | 22.04                     |                        |
| 5               | 16QAM      | 12      | 13        | 22.24                    | 22.18                       | 21.95                     | 23.2                   |
| 5               | 16QAM      | 25      | 0         | 22.23                    | 22.25                       | 22.10                     |                        |
| 5               | 64QAM      | 1       | 0         | 22.43                    | 22.51                       | 22.35                     |                        |
| 5               | 64QAM      | 1       | 12        | 22.46                    | 22.47                       | 22.22                     | 23.2                   |
| 5               | 64QAM      | 1       | 24        | 22.38                    | 22.31                       | 22.11                     |                        |
| 5               | 64QAM      | 12      | 0         | 21.25                    | 21.24                       | 21.02                     |                        |
| 5               | 64QAM      | 12      | 7         | 21.32                    | 21.17                       | 21.12                     | 22.2                   |
| 5               | 64QAM      | 12      | 13        | 21.32                    | 21.12                       | 20.99                     |                        |
| 5               | 64QAM      | 25      | 0         | 21.30                    | 21.25                       | 21.12                     |                        |
| 5               | 256QAM     | 1       | 0         | 19.30                    | 19.32                       | 19.25                     | 20.2                   |
| 5               | 256QAM     | 1       | 12        | 19.42                    | 19.48                       | 19.19                     |                        |
| 5               | 256QAM     | 1       | 24        | 19.36                    | 19.20                       | 19.03                     |                        |
| 5               | 256QAM     | 12      | 0         | 19.34                    | 19.30                       | 19.14                     | 20.2                   |
| 5               | 256QAM     | 12      | 7         | 19.36                    | 19.31                       | 19.10                     |                        |
| 5               | 256QAM     | 12      | 13        | 19.34                    | 19.29                       | 18.97                     |                        |



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|                 |        |    |    |       |       |       |                        |
|-----------------|--------|----|----|-------|-------|-------|------------------------|
| 5               | 256QAM | 25 | 0  | 19.38 | 19.29 | 19.11 | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 20415 | 20525 | 20635 |                        |
| Frequency (MHz) |        |    |    | 825.5 | 836.5 | 847.5 |                        |
| 3               | QPSK   | 1  | 0  | 24.18 | 24.16 | 24.05 | 25.2                   |
| 3               | QPSK   | 1  | 8  | 24.13 | 24.22 | 24.04 |                        |
| 3               | QPSK   | 1  | 14 | 24.16 | 24.06 | 23.85 |                        |
| 3               | QPSK   | 8  | 0  | 23.21 | 23.26 | 23.18 | 24.2                   |
| 3               | QPSK   | 8  | 4  | 23.33 | 23.19 | 23.12 |                        |
| 3               | QPSK   | 8  | 7  | 23.30 | 23.12 | 22.98 |                        |
| 3               | QPSK   | 15 | 0  | 23.30 | 23.20 | 23.16 |                        |
| 3               | 16QAM  | 1  | 0  | 23.57 | 23.49 | 23.28 | 24.2                   |
| 3               | 16QAM  | 1  | 8  | 23.49 | 23.48 | 23.32 |                        |
| 3               | 16QAM  | 1  | 14 | 23.44 | 23.35 | 23.14 |                        |
| 3               | 16QAM  | 8  | 0  | 22.25 | 22.19 | 22.17 | 23.2                   |
| 3               | 16QAM  | 8  | 4  | 22.28 | 22.28 | 22.09 |                        |
| 3               | 16QAM  | 8  | 7  | 22.26 | 22.23 | 21.96 |                        |
| 3               | 16QAM  | 15 | 0  | 22.25 | 22.17 | 22.12 |                        |
| 3               | 64QAM  | 1  | 0  | 22.47 | 22.53 | 22.37 | 23.2                   |
| 3               | 64QAM  | 1  | 8  | 22.46 | 22.40 | 22.26 |                        |
| 3               | 64QAM  | 1  | 14 | 22.32 | 22.27 | 22.09 |                        |
| 3               | 64QAM  | 8  | 0  | 21.29 | 21.28 | 21.11 | 22.2                   |
| 3               | 64QAM  | 8  | 4  | 21.37 | 21.21 | 21.09 |                        |
| 3               | 64QAM  | 8  | 7  | 21.22 | 21.08 | 20.95 |                        |
| 3               | 64QAM  | 15 | 0  | 21.32 | 21.19 | 21.07 |                        |
| 3               | 256QAM | 1  | 0  | 19.27 | 19.30 | 19.25 | 20.2                   |
| 3               | 256QAM | 1  | 8  | 19.41 | 19.45 | 19.22 |                        |
| 3               | 256QAM | 1  | 14 | 19.39 | 19.25 | 19.00 |                        |
| 3               | 256QAM | 8  | 0  | 19.27 | 19.27 | 19.15 | 20.2                   |
| 3               | 256QAM | 8  | 4  | 19.30 | 19.29 | 19.11 |                        |
| 3               | 256QAM | 8  | 7  | 19.36 | 19.22 | 19.04 |                        |
| 3               | 256QAM | 15 | 0  | 19.44 | 19.31 | 19.11 |                        |
| Channel         |        |    |    | 20407 | 20525 | 20643 | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 824.7 | 836.5 | 848.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 24.20 | 24.25 | 24.12 | 25.2                   |
| 1.4             | QPSK   | 1  | 3  | 24.22 | 24.12 | 24.03 |                        |
| 1.4             | QPSK   | 1  | 5  | 24.12 | 24.02 | 23.94 |                        |
| 1.4             | QPSK   | 3  | 0  | 24.09 | 24.08 | 23.94 |                        |
| 1.4             | QPSK   | 3  | 1  | 24.02 | 23.99 | 23.87 |                        |
| 1.4             | QPSK   | 3  | 3  | 24.00 | 23.88 | 23.81 |                        |
| 1.4             | QPSK   | 6  | 0  | 23.29 | 23.25 | 23.18 | 24.2                   |
| 1.4             | 16QAM  | 1  | 0  | 23.31 | 23.23 | 23.06 | 24.2                   |
| 1.4             | 16QAM  | 1  | 3  | 23.24 | 23.13 | 22.98 |                        |
| 1.4             | 16QAM  | 1  | 5  | 23.26 | 23.21 | 23.09 |                        |
| 1.4             | 16QAM  | 3  | 0  | 23.51 | 23.48 | 23.30 |                        |
| 1.4             | 16QAM  | 3  | 1  | 23.47 | 23.49 | 23.32 |                        |
| 1.4             | 16QAM  | 3  | 3  | 23.40 | 23.40 | 23.13 |                        |
| 1.4             | 16QAM  | 6  | 0  | 22.27 | 22.16 | 22.17 | 23.2                   |
| 1.4             | 64QAM  | 1  | 0  | 22.35 | 22.28 | 22.10 | 23.2                   |
| 1.4             | 64QAM  | 1  | 3  | 22.26 | 22.24 | 21.93 |                        |
| 1.4             | 64QAM  | 1  | 5  | 22.24 | 22.23 | 22.11 |                        |
| 1.4             | 64QAM  | 3  | 0  | 22.49 | 22.52 | 22.30 |                        |
| 1.4             | 64QAM  | 3  | 1  | 22.52 | 22.49 | 22.32 |                        |
| 1.4             | 64QAM  | 3  | 3  | 22.36 | 22.34 | 22.06 |                        |
| 1.4             | 64QAM  | 6  | 0  | 21.26 | 21.27 | 21.07 | 22.2                   |
| 1.4             | 256QAM | 1  | 0  | 19.35 | 19.31 | 19.32 | 20.2                   |
| 1.4             | 256QAM | 1  | 3  | 19.43 | 19.50 | 19.19 |                        |
| 1.4             | 256QAM | 1  | 5  | 19.32 | 19.25 | 19.03 |                        |
| 1.4             | 256QAM | 3  | 0  | 19.27 | 19.29 | 19.19 |                        |
| 1.4             | 256QAM | 3  | 1  | 19.38 | 19.33 | 19.10 |                        |
| 1.4             | 256QAM | 3  | 3  | 19.36 | 19.25 | 19.01 |                        |
| 1.4             | 256QAM | 6  | 0  | 19.41 | 19.31 | 19.13 | 20.2                   |



<LTE Band 7\_Ant 5\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 20850                    | 21100                       | 21350                     |                        |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      |                        |
| 20              | QPSK       | 1       | 0         | 22.40                    | 22.37                       | 22.17                     |                        |
| 20              | QPSK       | 1       | 49        | 22.36                    | 22.34                       | 22.16                     | 22.5                   |
| 20              | QPSK       | 1       | 99        | 22.39                    | 22.36                       | 22.12                     |                        |
| 20              | QPSK       | 50      | 0         | 21.45                    | 21.39                       | 21.29                     |                        |
| 20              | QPSK       | 50      | 24        | 21.44                    | 21.38                       | 21.28                     | 22.5                   |
| 20              | QPSK       | 50      | 50        | 21.43                    | 21.37                       | 21.18                     |                        |
| 20              | QPSK       | 100     | 0         | 21.45                    | 21.36                       | 21.27                     |                        |
| 20              | 16QAM      | 1       | 0         | 21.49                    | 21.53                       | 21.43                     | 22.5                   |
| 20              | 16QAM      | 1       | 49        | 21.66                    | 21.64                       | 21.48                     |                        |
| 20              | 16QAM      | 1       | 99        | 21.73                    | 21.63                       | 21.48                     |                        |
| 20              | 16QAM      | 50      | 0         | 20.41                    | 20.34                       | 20.25                     | 21.5                   |
| 20              | 16QAM      | 50      | 24        | 20.47                    | 20.36                       | 20.28                     |                        |
| 20              | 16QAM      | 50      | 50        | 20.47                    | 20.41                       | 20.20                     |                        |
| 20              | 16QAM      | 100     | 0         | 20.44                    | 20.37                       | 20.27                     | 21.5                   |
| 20              | 64QAM      | 1       | 0         | 20.40                    | 20.40                       | 20.27                     |                        |
| 20              | 64QAM      | 1       | 49        | 20.46                    | 20.51                       | 20.30                     |                        |
| 20              | 64QAM      | 1       | 99        | 20.50                    | 20.56                       | 20.31                     | 20.5                   |
| 20              | 64QAM      | 50      | 0         | 19.39                    | 19.32                       | 19.25                     |                        |
| 20              | 64QAM      | 50      | 24        | 19.47                    | 19.39                       | 19.30                     |                        |
| 20              | 64QAM      | 50      | 50        | 19.49                    | 19.42                       | 19.19                     | 18.5                   |
| 20              | 64QAM      | 100     | 0         | 19.45                    | 19.38                       | 19.27                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.49                    | 17.40                       | 17.25                     |                        |
| 20              | 256QAM     | 1       | 49        | 17.55                    | 17.45                       | 17.32                     | 18.5                   |
| 20              | 256QAM     | 1       | 99        | 17.40                    | 17.29                       | 17.12                     |                        |
| 20              | 256QAM     | 50      | 0         | 17.36                    | 17.25                       | 17.04                     |                        |
| 20              | 256QAM     | 50      | 24        | 17.38                    | 17.27                       | 17.12                     | 18.5                   |
| 20              | 256QAM     | 50      | 50        | 17.34                    | 17.29                       | 17.10                     |                        |
| 20              | 256QAM     | 100     | 0         | 17.42                    | 17.38                       | 17.11                     |                        |
| Channel         |            |         |           | 20825                    | 21100                       | 21375                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.21                    | 22.25                       | 22.07                     |                        |
| 15              | QPSK       | 1       | 37        | 22.20                    | 22.18                       | 21.97                     | 22.5                   |
| 15              | QPSK       | 1       | 74        | 22.29                    | 22.25                       | 21.98                     |                        |
| 15              | QPSK       | 36      | 0         | 21.33                    | 21.29                       | 21.18                     |                        |
| 15              | QPSK       | 36      | 20        | 21.27                    | 21.18                       | 21.18                     | 22.5                   |
| 15              | QPSK       | 36      | 39        | 21.23                    | 21.22                       | 21.02                     |                        |
| 15              | QPSK       | 75      | 0         | 21.27                    | 21.19                       | 21.16                     |                        |
| 15              | 16QAM      | 1       | 0         | 21.35                    | 21.33                       | 21.33                     | 22.5                   |
| 15              | 16QAM      | 1       | 37        | 21.48                    | 21.51                       | 21.33                     |                        |
| 15              | 16QAM      | 1       | 74        | 21.59                    | 21.48                       | 21.37                     |                        |
| 15              | 16QAM      | 36      | 0         | 20.29                    | 20.23                       | 20.15                     | 21.5                   |
| 15              | 16QAM      | 36      | 20        | 20.34                    | 20.21                       | 20.09                     |                        |
| 15              | 16QAM      | 36      | 39        | 20.35                    | 20.25                       | 20.03                     |                        |
| 15              | 16QAM      | 75      | 0         | 20.25                    | 20.24                       | 20.07                     | 21.5                   |
| 15              | 64QAM      | 1       | 0         | 20.30                    | 20.24                       | 20.09                     |                        |
| 15              | 64QAM      | 1       | 37        | 20.36                    | 20.37                       | 20.10                     |                        |
| 15              | 64QAM      | 1       | 74        | 20.33                    | 20.45                       | 20.13                     | 20.5                   |
| 15              | 64QAM      | 36      | 0         | 19.29                    | 19.15                       | 19.14                     |                        |
| 15              | 64QAM      | 36      | 20        | 19.34                    | 19.22                       | 19.17                     |                        |
| 15              | 64QAM      | 36      | 39        | 19.32                    | 19.28                       | 19.06                     | 18.5                   |
| 15              | 64QAM      | 75      | 0         | 19.33                    | 19.24                       | 19.13                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.29                    | 17.22                       | 17.15                     |                        |
| 15              | 256QAM     | 1       | 37        | 17.35                    | 17.25                       | 17.15                     | 18.5                   |
| 15              | 256QAM     | 1       | 74        | 17.28                    | 17.10                       | 16.94                     |                        |
| 15              | 256QAM     | 36      | 0         | 17.16                    | 17.09                       | 16.85                     |                        |
| 15              | 256QAM     | 36      | 20        | 17.21                    | 17.07                       | 17.01                     | 18.5                   |
| 15              | 256QAM     | 36      | 39        | 17.24                    | 17.19                       | 16.96                     |                        |



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|                 |        |    |    |        |       |        |                        |
|-----------------|--------|----|----|--------|-------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.32  | 17.27 | 17.00  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 20800  | 21100 | 21400  |                        |
| Frequency (MHz) |        |    |    | 2505   | 2535  | 2565   |                        |
| 10              | QPSK   | 1  | 0  | 22.25  | 22.26 | 21.97  | 22.5                   |
| 10              | QPSK   | 1  | 25 | 22.25  | 22.19 | 22.05  |                        |
| 10              | QPSK   | 1  | 49 | 22.28  | 22.16 | 21.92  |                        |
| 10              | QPSK   | 25 | 0  | 21.28  | 21.19 | 21.16  | 22.5                   |
| 10              | QPSK   | 25 | 12 | 21.33  | 21.28 | 21.10  |                        |
| 10              | QPSK   | 25 | 25 | 21.31  | 21.21 | 21.00  |                        |
| 10              | QPSK   | 50 | 0  | 21.29  | 21.17 | 21.07  |                        |
| 10              | 16QAM  | 1  | 0  | 21.31  | 21.35 | 21.28  | 22.5                   |
| 10              | 16QAM  | 1  | 25 | 21.47  | 21.54 | 21.36  |                        |
| 10              | 16QAM  | 1  | 49 | 21.63  | 21.43 | 21.35  |                        |
| 10              | 16QAM  | 25 | 0  | 20.21  | 20.22 | 20.07  | 21.5                   |
| 10              | 16QAM  | 25 | 12 | 20.33  | 20.17 | 20.12  |                        |
| 10              | 16QAM  | 25 | 25 | 20.36  | 20.28 | 20.06  |                        |
| 10              | 16QAM  | 50 | 0  | 20.31  | 20.24 | 20.16  |                        |
| 10              | 64QAM  | 1  | 0  | 20.28  | 20.28 | 20.10  | 21.5                   |
| 10              | 64QAM  | 1  | 25 | 20.34  | 20.38 | 20.16  |                        |
| 10              | 64QAM  | 1  | 49 | 20.34  | 20.37 | 20.14  |                        |
| 10              | 64QAM  | 25 | 0  | 19.22  | 19.13 | 19.06  | 20.5                   |
| 10              | 64QAM  | 25 | 12 | 19.27  | 19.25 | 19.20  |                        |
| 10              | 64QAM  | 25 | 25 | 19.31  | 19.31 | 19.07  |                        |
| 10              | 64QAM  | 50 | 0  | 19.28  | 19.28 | 19.08  |                        |
| 10              | 256QAM | 1  | 0  | 17.32  | 17.25 | 17.14  | 18.5                   |
| 10              | 256QAM | 1  | 25 | 17.38  | 17.29 | 17.12  |                        |
| 10              | 256QAM | 1  | 49 | 17.26  | 17.15 | 16.98  |                        |
| 10              | 256QAM | 25 | 0  | 17.21  | 17.13 | 16.86  | 18.5                   |
| 10              | 256QAM | 25 | 12 | 17.21  | 17.17 | 16.95  |                        |
| 10              | 256QAM | 25 | 25 | 17.14  | 17.14 | 16.92  |                        |
| 10              | 256QAM | 50 | 0  | 17.23  | 17.27 | 17.00  |                        |
| Channel         |        |    |    | 20775  | 21100 | 21425  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 2502.5 | 2535  | 2567.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.25  | 22.22 | 22.06  | 22.5                   |
| 5               | QPSK   | 1  | 12 | 22.22  | 22.17 | 22.02  |                        |
| 5               | QPSK   | 1  | 24 | 22.26  | 22.25 | 22.02  |                        |
| 5               | QPSK   | 12 | 0  | 21.34  | 21.24 | 21.19  | 22.5                   |
| 5               | QPSK   | 12 | 7  | 21.24  | 21.24 | 21.08  |                        |
| 5               | QPSK   | 12 | 13 | 21.29  | 21.21 | 21.00  |                        |
| 5               | QPSK   | 25 | 0  | 21.32  | 21.25 | 21.14  |                        |
| 5               | 16QAM  | 1  | 0  | 21.36  | 21.35 | 21.26  | 22.5                   |
| 5               | 16QAM  | 1  | 12 | 21.55  | 21.53 | 21.29  |                        |
| 5               | 16QAM  | 1  | 24 | 21.62  | 21.47 | 21.35  |                        |
| 5               | 16QAM  | 12 | 0  | 20.31  | 20.20 | 20.10  | 21.5                   |
| 5               | 16QAM  | 12 | 7  | 20.36  | 20.16 | 20.08  |                        |
| 5               | 16QAM  | 12 | 13 | 20.31  | 20.21 | 20.10  |                        |
| 5               | 16QAM  | 25 | 0  | 20.29  | 20.24 | 20.15  |                        |
| 5               | 64QAM  | 1  | 0  | 20.26  | 20.24 | 20.14  | 21.5                   |
| 5               | 64QAM  | 1  | 12 | 20.35  | 20.32 | 20.14  |                        |
| 5               | 64QAM  | 1  | 24 | 20.37  | 20.42 | 20.21  |                        |
| 5               | 64QAM  | 12 | 0  | 19.21  | 19.21 | 19.05  | 20.5                   |
| 5               | 64QAM  | 12 | 7  | 19.36  | 19.21 | 19.19  |                        |
| 5               | 64QAM  | 12 | 13 | 19.35  | 19.24 | 19.04  |                        |
| 5               | 64QAM  | 25 | 0  | 19.27  | 19.20 | 19.16  |                        |
| 5               | 256QAM | 1  | 0  | 17.38  | 17.22 | 17.09  | 18.5                   |
| 5               | 256QAM | 1  | 12 | 17.44  | 17.32 | 17.22  |                        |
| 5               | 256QAM | 1  | 24 | 17.22  | 17.11 | 16.99  |                        |
| 5               | 256QAM | 12 | 0  | 17.16  | 17.07 | 16.85  | 18.5                   |
| 5               | 256QAM | 12 | 7  | 17.20  | 17.12 | 16.95  |                        |
| 5               | 256QAM | 12 | 13 | 17.23  | 17.11 | 16.91  |                        |
| 5               | 256QAM | 25 | 0  | 17.25  | 17.21 | 16.91  |                        |



&lt;LTE Band 12\_Ant 1\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 23060                    | 23095                       | 23130                     |                        |
| Frequency (MHz) |            |         |           | 704                      | 707.5                       | 711                       |                        |
| 10              | QPSK       | 1       | 0         | 23.80                    | 23.88                       | 23.85                     |                        |
| 10              | QPSK       | 1       | 25        | 23.82                    | 23.86                       | 23.80                     | 25.2                   |
| 10              | QPSK       | 1       | 49        | 23.74                    | 23.66                       | 23.57                     |                        |
| 10              | QPSK       | 25      | 0         | 22.85                    | 22.91                       | 22.90                     |                        |
| 10              | QPSK       | 25      | 12        | 22.90                    | 22.86                       | 22.84                     | 24.2                   |
| 10              | QPSK       | 25      | 25        | 22.86                    | 22.81                       | 22.70                     |                        |
| 10              | QPSK       | 50      | 0         | 22.90                    | 22.83                       | 22.84                     |                        |
| 10              | 16QAM      | 1       | 0         | 23.10                    | 23.13                       | 23.03                     | 24.2                   |
| 10              | 16QAM      | 1       | 25        | 23.12                    | 23.08                       | 23.01                     |                        |
| 10              | 16QAM      | 1       | 49        | 23.06                    | 22.92                       | 22.87                     |                        |
| 10              | 16QAM      | 25      | 0         | 21.86                    | 21.85                       | 21.92                     | 23.2                   |
| 10              | 16QAM      | 25      | 12        | 21.91                    | 21.88                       | 21.89                     |                        |
| 10              | 16QAM      | 25      | 25        | 21.88                    | 21.81                       | 21.72                     |                        |
| 10              | 16QAM      | 50      | 0         | 21.91                    | 21.80                       | 21.83                     | 23.2                   |
| 10              | 64QAM      | 1       | 0         | 22.17                    | 22.02                       | 22.19                     |                        |
| 10              | 64QAM      | 1       | 25        | 22.09                    | 22.12                       | 21.95                     |                        |
| 10              | 64QAM      | 1       | 49        | 22.04                    | 21.87                       | 21.89                     | 22.2                   |
| 10              | 64QAM      | 25      | 0         | 20.85                    | 20.85                       | 20.90                     |                        |
| 10              | 64QAM      | 25      | 12        | 20.94                    | 20.87                       | 20.91                     |                        |
| 10              | 64QAM      | 25      | 25        | 20.87                    | 20.81                       | 20.69                     | 20.2                   |
| 10              | 64QAM      | 50      | 0         | 20.88                    | 20.86                       | 20.88                     |                        |
| 10              | 256QAM     | 1       | 0         | 19.29                    | 18.91                       | 19.00                     |                        |
| 10              | 256QAM     | 1       | 25        | 19.01                    | 19.05                       | 18.97                     | 20.2                   |
| 10              | 256QAM     | 1       | 49        | 18.97                    | 18.85                       | 18.80                     |                        |
| 10              | 256QAM     | 25      | 0         | 19.02                    | 18.86                       | 18.94                     |                        |
| 10              | 256QAM     | 25      | 12        | 18.91                    | 18.95                       | 18.91                     | 20.2                   |
| 10              | 256QAM     | 25      | 25        | 18.92                    | 18.84                       | 18.79                     |                        |
| 10              | 256QAM     | 50      | 0         | 18.93                    | 18.92                       | 18.89                     |                        |
| Channel         |            |         |           | 23035                    | 23095                       | 23155                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 701.5                    | 707.5                       | 713.5                     |                        |
| 5               | QPSK       | 1       | 0         | 23.68                    | 23.77                       | 23.75                     |                        |
| 5               | QPSK       | 1       | 12        | 23.63                    | 23.72                       | 23.63                     | 25.2                   |
| 5               | QPSK       | 1       | 24        | 23.55                    | 23.55                       | 23.38                     |                        |
| 5               | QPSK       | 12      | 0         | 22.75                    | 22.78                       | 22.74                     |                        |
| 5               | QPSK       | 12      | 7         | 22.70                    | 22.67                       | 22.74                     | 24.2                   |
| 5               | QPSK       | 12      | 13        | 22.68                    | 22.70                       | 22.59                     |                        |
| 5               | QPSK       | 25      | 0         | 22.74                    | 22.65                       | 22.64                     |                        |
| 5               | 16QAM      | 1       | 0         | 22.91                    | 22.98                       | 22.87                     | 24.2                   |
| 5               | 16QAM      | 1       | 12        | 22.92                    | 22.93                       | 22.82                     |                        |
| 5               | 16QAM      | 1       | 24        | 22.94                    | 22.82                       | 22.77                     |                        |
| 5               | 16QAM      | 12      | 0         | 21.76                    | 21.75                       | 21.80                     | 23.2                   |
| 5               | 16QAM      | 12      | 7         | 21.73                    | 21.73                       | 21.69                     |                        |
| 5               | 16QAM      | 12      | 13        | 21.69                    | 21.67                       | 21.53                     |                        |
| 5               | 16QAM      | 25      | 0         | 21.75                    | 21.61                       | 21.71                     | 23.2                   |
| 5               | 64QAM      | 1       | 0         | 22.06                    | 21.85                       | 22.06                     |                        |
| 5               | 64QAM      | 1       | 12        | 21.98                    | 21.95                       | 21.76                     |                        |
| 5               | 64QAM      | 1       | 24        | 21.86                    | 21.77                       | 21.73                     | 22.2                   |
| 5               | 64QAM      | 12      | 0         | 20.65                    | 20.73                       | 20.72                     |                        |
| 5               | 64QAM      | 12      | 7         | 20.74                    | 20.72                       | 20.76                     |                        |
| 5               | 64QAM      | 12      | 13        | 20.68                    | 20.65                       | 20.59                     | 20.2                   |
| 5               | 64QAM      | 25      | 0         | 20.71                    | 20.76                       | 20.68                     |                        |
| 5               | 256QAM     | 1       | 0         | 19.13                    | 18.74                       | 18.80                     |                        |
| 5               | 256QAM     | 1       | 12        | 18.90                    | 18.93                       | 18.84                     | 20.2                   |
| 5               | 256QAM     | 1       | 24        | 18.80                    | 18.66                       | 18.69                     |                        |
| 5               | 256QAM     | 12      | 0         | 18.92                    | 18.73                       | 18.82                     |                        |
| 5               | 256QAM     | 12      | 7         | 18.81                    | 18.81                       | 18.78                     | 20.2                   |
| 5               | 256QAM     | 12      | 13        | 18.74                    | 18.72                       | 18.61                     |                        |



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|                 |        |    |    |       |       |       |                        |
|-----------------|--------|----|----|-------|-------|-------|------------------------|
| 5               | 256QAM | 25 | 0  | 18.77 | 18.76 | 18.76 | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 23025 | 23095 | 23165 |                        |
| Frequency (MHz) |        |    |    | 700.5 | 707.5 | 714.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.67 | 23.75 | 23.68 | 25.2                   |
| 3               | QPSK   | 1  | 8  | 23.71 | 23.73 | 23.60 |                        |
| 3               | QPSK   | 1  | 14 | 23.54 | 23.48 | 23.43 |                        |
| 3               | QPSK   | 8  | 0  | 22.71 | 22.73 | 22.71 | 24.2                   |
| 3               | QPSK   | 8  | 4  | 22.79 | 22.69 | 22.65 |                        |
| 3               | QPSK   | 8  | 7  | 22.75 | 22.65 | 22.50 |                        |
| 3               | QPSK   | 15 | 0  | 22.77 | 22.72 | 22.67 | 24.2                   |
| 3               | 16QAM  | 1  | 0  | 22.99 | 23.01 | 22.86 |                        |
| 3               | 16QAM  | 1  | 8  | 22.96 | 22.96 | 22.89 |                        |
| 3               | 16QAM  | 1  | 14 | 22.89 | 22.73 | 22.67 | 23.2                   |
| 3               | 16QAM  | 8  | 0  | 21.71 | 21.66 | 21.75 |                        |
| 3               | 16QAM  | 8  | 4  | 21.80 | 21.68 | 21.78 |                        |
| 3               | 16QAM  | 8  | 7  | 21.73 | 21.69 | 21.57 | 23.2                   |
| 3               | 16QAM  | 15 | 0  | 21.75 | 21.67 | 21.73 |                        |
| 3               | 64QAM  | 1  | 0  | 21.98 | 21.84 | 22.03 |                        |
| 3               | 64QAM  | 1  | 8  | 21.98 | 22.01 | 21.75 | 23.2                   |
| 3               | 64QAM  | 1  | 14 | 21.94 | 21.73 | 21.70 |                        |
| 3               | 64QAM  | 8  | 0  | 20.73 | 20.68 | 20.78 | 22.2                   |
| 3               | 64QAM  | 8  | 4  | 20.80 | 20.76 | 20.71 |                        |
| 3               | 64QAM  | 8  | 7  | 20.77 | 20.61 | 20.59 |                        |
| 3               | 64QAM  | 15 | 0  | 20.72 | 20.71 | 20.74 | 20.2                   |
| 3               | 256QAM | 1  | 0  | 19.18 | 18.76 | 18.84 |                        |
| 3               | 256QAM | 1  | 8  | 18.85 | 18.88 | 18.87 |                        |
| 3               | 256QAM | 1  | 14 | 18.87 | 18.73 | 18.68 | 20.2                   |
| 3               | 256QAM | 8  | 0  | 18.89 | 18.68 | 18.78 |                        |
| 3               | 256QAM | 8  | 4  | 18.77 | 18.84 | 18.81 |                        |
| 3               | 256QAM | 8  | 7  | 18.79 | 18.65 | 18.65 | 20.2                   |
| 3               | 256QAM | 15 | 0  | 18.74 | 18.80 | 18.73 |                        |
| Channel         |        |    |    | 23017 | 23095 | 23173 | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 699.7 | 707.5 | 715.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 23.60 | 23.68 | 23.69 | 25.2                   |
| 1.4             | QPSK   | 1  | 3  | 23.63 | 23.69 | 23.68 |                        |
| 1.4             | QPSK   | 1  | 5  | 23.56 | 23.51 | 23.46 |                        |
| 1.4             | QPSK   | 3  | 0  | 23.43 | 23.51 | 23.55 | 24.2                   |
| 1.4             | QPSK   | 3  | 1  | 23.49 | 23.52 | 23.48 |                        |
| 1.4             | QPSK   | 3  | 3  | 23.40 | 23.35 | 23.31 |                        |
| 1.4             | QPSK   | 6  | 0  | 22.75 | 22.75 | 22.79 | 24.2                   |
| 1.4             | 16QAM  | 1  | 0  | 22.78 | 22.66 | 22.72 |                        |
| 1.4             | 16QAM  | 1  | 3  | 22.74 | 22.67 | 22.54 |                        |
| 1.4             | 16QAM  | 1  | 5  | 22.71 | 22.68 | 22.64 | 23.2                   |
| 1.4             | 16QAM  | 3  | 0  | 22.97 | 22.98 | 22.89 |                        |
| 1.4             | 16QAM  | 3  | 1  | 23.00 | 22.91 | 22.89 |                        |
| 1.4             | 16QAM  | 3  | 3  | 22.95 | 22.76 | 22.71 | 23.2                   |
| 1.4             | 16QAM  | 6  | 0  | 21.71 | 21.72 | 21.80 |                        |
| 1.4             | 64QAM  | 1  | 0  | 21.72 | 21.78 | 21.72 |                        |
| 1.4             | 64QAM  | 1  | 3  | 21.72 | 21.67 | 21.56 | 22.2                   |
| 1.4             | 64QAM  | 1  | 5  | 21.74 | 21.61 | 21.71 |                        |
| 1.4             | 64QAM  | 3  | 0  | 21.98 | 21.85 | 22.09 |                        |
| 1.4             | 64QAM  | 3  | 1  | 21.92 | 22.00 | 21.75 | 20.2                   |
| 1.4             | 64QAM  | 3  | 3  | 21.94 | 21.76 | 21.73 |                        |
| 1.4             | 64QAM  | 6  | 0  | 20.69 | 20.72 | 20.70 |                        |
| 1.4             | 256QAM | 1  | 0  | 19.17 | 18.72 | 18.87 | 20.2                   |
| 1.4             | 256QAM | 1  | 3  | 18.87 | 18.95 | 18.84 |                        |
| 1.4             | 256QAM | 1  | 5  | 18.78 | 18.67 | 18.61 |                        |
| 1.4             | 256QAM | 3  | 0  | 18.91 | 18.75 | 18.76 | 20.2                   |
| 1.4             | 256QAM | 3  | 1  | 18.81 | 18.80 | 18.73 |                        |
| 1.4             | 256QAM | 3  | 3  | 18.75 | 18.64 | 18.60 |                        |
| 1.4             | 256QAM | 6  | 0  | 18.76 | 18.73 | 18.72 | 20.2                   |



## &lt;LTE Band 13\_Ant 1\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 23230                    |                             |                           |                        |
| Frequency (MHz) |            |         |           | 782                      |                             |                           |                        |
| 10              | QPSK       | 1       | 0         |                          | 23.78                       |                           | 25.2                   |
| 10              | QPSK       | 1       | 25        |                          | 23.72                       |                           |                        |
| 10              | QPSK       | 1       | 49        |                          | 23.57                       |                           |                        |
| 10              | QPSK       | 25      | 0         |                          | 22.70                       |                           | 24.2                   |
| 10              | QPSK       | 25      | 12        |                          | 22.79                       |                           |                        |
| 10              | QPSK       | 25      | 25        |                          | 22.77                       |                           |                        |
| 10              | QPSK       | 50      | 0         |                          | 22.88                       |                           | 24.2                   |
| 10              | 16QAM      | 1       | 0         |                          | 23.00                       |                           |                        |
| 10              | 16QAM      | 1       | 25        |                          | 23.10                       |                           |                        |
| 10              | 16QAM      | 1       | 49        |                          | 22.85                       |                           | 23.2                   |
| 10              | 16QAM      | 25      | 0         |                          | 21.72                       |                           |                        |
| 10              | 16QAM      | 25      | 12        |                          | 21.84                       |                           |                        |
| 10              | 16QAM      | 25      | 25        |                          | 21.79                       |                           | 23.2                   |
| 10              | 16QAM      | 50      | 0         |                          | 21.86                       |                           |                        |
| 10              | 64QAM      | 1       | 0         |                          | 21.89                       |                           |                        |
| 10              | 64QAM      | 1       | 25        |                          | 22.00                       |                           | 23.2                   |
| 10              | 64QAM      | 1       | 49        |                          | 21.82                       |                           |                        |
| 10              | 64QAM      | 25      | 0         |                          | 20.72                       |                           |                        |
| 10              | 64QAM      | 25      | 12        |                          | 20.88                       |                           | 22.2                   |
| 10              | 64QAM      | 25      | 25        |                          | 20.78                       |                           |                        |
| 10              | 64QAM      | 50      | 0         |                          | 20.85                       |                           |                        |
| 10              | 256QAM     | 1       | 0         |                          | 18.82                       |                           | 20.2                   |
| 10              | 256QAM     | 1       | 25        |                          | 18.94                       |                           |                        |
| 10              | 256QAM     | 1       | 49        |                          | 18.81                       |                           |                        |
| 10              | 256QAM     | 25      | 0         |                          | 18.80                       |                           | 20.2                   |
| 10              | 256QAM     | 25      | 12        |                          | 18.92                       |                           |                        |
| 10              | 256QAM     | 25      | 25        |                          | 18.92                       |                           |                        |
| 10              | 256QAM     | 50      | 0         |                          | 18.96                       |                           |                        |
| Channel         |            |         |           | 23205                    | 23230                       | 23255                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 779.5                    | 782                         | 784.5                     |                        |
| 5               | QPSK       | 1       | 0         | 23.65                    | 23.65                       | 23.67                     | 25.2                   |
| 5               | QPSK       | 1       | 12        | 23.52                    | 23.56                       | 23.62                     |                        |
| 5               | QPSK       | 1       | 24        | 23.40                    | 23.44                       | 23.45                     |                        |
| 5               | QPSK       | 12      | 0         | 22.55                    | 22.58                       | 22.60                     | 24.2                   |
| 5               | QPSK       | 12      | 7         | 22.69                    | 22.66                       | 22.63                     |                        |
| 5               | QPSK       | 12      | 13        | 22.57                    | 22.59                       | 22.67                     |                        |
| 5               | QPSK       | 25      | 0         | 22.73                    | 22.70                       | 22.72                     | 24.2                   |
| 5               | 16QAM      | 1       | 0         | 22.81                    | 22.84                       | 22.81                     |                        |
| 5               | 16QAM      | 1       | 12        | 22.94                    | 22.93                       | 22.96                     |                        |
| 5               | 16QAM      | 1       | 24        | 22.75                    | 22.70                       | 22.75                     | 23.2                   |
| 5               | 16QAM      | 12      | 0         | 21.52                    | 21.57                       | 21.57                     |                        |
| 5               | 16QAM      | 12      | 7         | 21.70                    | 21.66                       | 21.70                     |                        |
| 5               | 16QAM      | 12      | 13        | 21.65                    | 21.66                       | 21.69                     | 23.2                   |
| 5               | 16QAM      | 25      | 0         | 21.67                    | 21.74                       | 21.73                     |                        |
| 5               | 64QAM      | 1       | 0         | 21.79                    | 21.78                       | 21.76                     |                        |
| 5               | 64QAM      | 1       | 12        | 21.80                    | 21.88                       | 21.83                     | 23.2                   |
| 5               | 64QAM      | 1       | 24        | 21.66                    | 21.72                       | 21.72                     |                        |
| 5               | 64QAM      | 12      | 0         | 20.58                    | 20.55                       | 20.60                     |                        |
| 5               | 64QAM      | 12      | 7         | 20.77                    | 20.72                       | 20.77                     | 22.2                   |
| 5               | 64QAM      | 12      | 13        | 20.62                    | 20.65                       | 20.68                     |                        |
| 5               | 64QAM      | 25      | 0         | 20.66                    | 20.72                       | 20.67                     |                        |
| 5               | 256QAM     | 1       | 0         | 18.65                    | 18.64                       | 18.72                     | 20.2                   |
| 5               | 256QAM     | 1       | 12        | 18.78                    | 18.82                       | 18.79                     |                        |
| 5               | 256QAM     | 1       | 24        | 18.70                    | 18.61                       | 18.71                     |                        |
| 5               | 256QAM     | 12      | 0         | 18.65                    | 18.69                       | 18.67                     | 20.2                   |
| 5               | 256QAM     | 12      | 7         | 18.74                    | 18.80                       | 18.82                     |                        |
| 5               | 256QAM     | 12      | 13        | 18.72                    | 18.78                       | 18.76                     |                        |
| 5               | 256QAM     | 25      | 0         | 18.76                    | 18.85                       | 18.81                     |                        |

**<LTE Band 14\_Ant 1\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 23330                    |                             |                           |                        |
| Frequency (MHz) |            |         |           | 793                      |                             |                           |                        |
| 10              | QPSK       | 1       | 0         |                          | 23.80                       |                           | 25.2                   |
| 10              | QPSK       | 1       | 25        |                          | 23.69                       |                           |                        |
| 10              | QPSK       | 1       | 49        |                          | 23.68                       |                           |                        |
| 10              | QPSK       | 25      | 0         |                          | 22.74                       |                           | 24.2                   |
| 10              | QPSK       | 25      | 12        |                          | 22.78                       |                           |                        |
| 10              | QPSK       | 25      | 25        |                          | 22.77                       |                           |                        |
| 10              | QPSK       | 50      | 0         |                          | 22.72                       |                           | 24.2                   |
| 10              | 16QAM      | 1       | 0         |                          | 22.92                       |                           |                        |
| 10              | 16QAM      | 1       | 25        |                          | 23.11                       |                           |                        |
| 10              | 16QAM      | 1       | 49        |                          | 23.01                       |                           | 23.2                   |
| 10              | 16QAM      | 25      | 0         |                          | 21.79                       |                           |                        |
| 10              | 16QAM      | 25      | 12        |                          | 21.78                       |                           |                        |
| 10              | 16QAM      | 25      | 25        |                          | 21.79                       |                           | 23.2                   |
| 10              | 16QAM      | 50      | 0         |                          | 21.73                       |                           |                        |
| 10              | 64QAM      | 1       | 0         |                          | 21.96                       |                           |                        |
| 10              | 64QAM      | 1       | 25        |                          | 22.05                       |                           | 23.2                   |
| 10              | 64QAM      | 1       | 49        |                          | 21.89                       |                           |                        |
| 10              | 64QAM      | 25      | 0         |                          | 20.75                       |                           |                        |
| 10              | 64QAM      | 25      | 12        |                          | 20.76                       |                           | 22.2                   |
| 10              | 64QAM      | 25      | 25        |                          | 20.80                       |                           |                        |
| 10              | 64QAM      | 50      | 0         |                          | 20.75                       |                           |                        |
| 10              | 256QAM     | 1       | 0         |                          | 18.85                       |                           | 20.2                   |
| 10              | 256QAM     | 1       | 25        |                          | 18.90                       |                           |                        |
| 10              | 256QAM     | 1       | 49        |                          | 18.84                       |                           |                        |
| 10              | 256QAM     | 25      | 0         |                          | 18.79                       |                           | 20.2                   |
| 10              | 256QAM     | 25      | 12        |                          | 18.84                       |                           |                        |
| 10              | 256QAM     | 25      | 25        |                          | 18.88                       |                           |                        |
| 10              | 256QAM     | 50      | 0         |                          | 18.84                       |                           |                        |
| Channel         |            |         |           | 23305                    | 23330                       | 23355                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 790.5                    | 793                         | 795.5                     |                        |
| 5               | QPSK       | 1       | 0         | 23.70                    | 23.67                       | 23.64                     | 25.2                   |
| 5               | QPSK       | 1       | 12        | 23.58                    | 23.57                       | 23.56                     |                        |
| 5               | QPSK       | 1       | 24        | 23.54                    | 23.50                       | 23.50                     |                        |
| 5               | QPSK       | 12      | 0         | 22.57                    | 22.62                       | 22.54                     | 24.2                   |
| 5               | QPSK       | 12      | 7         | 22.60                    | 22.66                       | 22.65                     |                        |
| 5               | QPSK       | 12      | 13        | 22.64                    | 22.61                       | 22.67                     |                        |
| 5               | QPSK       | 25      | 0         | 22.54                    | 22.61                       | 22.57                     | 24.2                   |
| 5               | 16QAM      | 1       | 0         | 22.81                    | 22.72                       | 22.80                     |                        |
| 5               | 16QAM      | 1       | 12        | 23.01                    | 22.97                       | 23.00                     |                        |
| 5               | 16QAM      | 1       | 24        | 22.85                    | 22.88                       | 22.89                     | 23.2                   |
| 5               | 16QAM      | 12      | 0         | 21.61                    | 21.61                       | 21.65                     |                        |
| 5               | 16QAM      | 12      | 7         | 21.58                    | 21.60                       | 21.60                     |                        |
| 5               | 16QAM      | 12      | 13        | 21.65                    | 21.63                       | 21.61                     | 23.2                   |
| 5               | 16QAM      | 25      | 0         | 21.58                    | 21.59                       | 21.54                     |                        |
| 5               | 64QAM      | 1       | 0         | 21.84                    | 21.78                       | 21.83                     |                        |
| 5               | 64QAM      | 1       | 12        | 21.87                    | 21.94                       | 21.85                     | 23.2                   |
| 5               | 64QAM      | 1       | 24        | 21.77                    | 21.70                       | 21.74                     |                        |
| 5               | 64QAM      | 12      | 0         | 20.56                    | 20.58                       | 20.62                     |                        |
| 5               | 64QAM      | 12      | 7         | 20.65                    | 20.66                       | 20.56                     | 22.2                   |
| 5               | 64QAM      | 12      | 13        | 20.63                    | 20.68                       | 20.68                     |                        |
| 5               | 64QAM      | 25      | 0         | 20.65                    | 20.61                       | 20.62                     |                        |
| 5               | 256QAM     | 1       | 0         | 18.71                    | 18.70                       | 18.66                     | 20.2                   |
| 5               | 256QAM     | 1       | 12        | 18.70                    | 18.74                       | 18.79                     |                        |
| 5               | 256QAM     | 1       | 24        | 18.65                    | 18.67                       | 18.68                     |                        |
| 5               | 256QAM     | 12      | 0         | 18.67                    | 18.60                       | 18.62                     | 20.2                   |
| 5               | 256QAM     | 12      | 7         | 18.74                    | 18.66                       | 18.68                     |                        |
| 5               | 256QAM     | 12      | 13        | 18.71                    | 18.74                       | 18.68                     |                        |
| 5               | 256QAM     | 25      | 0         | 18.66                    | 18.66                       | 18.66                     |                        |

**<LTE Band 17\_Ant 1\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 23780                    | 23790                       | 23800                     |                        |
| Frequency (MHz) |            |         |           | 709                      | 710                         | 711                       |                        |
| 10              | QPSK       | 1       | 0         | 23.76                    | 23.75                       | 23.77                     | 25.2                   |
| 10              | QPSK       | 1       | 25        | 23.75                    | 23.71                       | 23.76                     |                        |
| 10              | QPSK       | 1       | 49        | 23.65                    | 23.65                       | 23.63                     |                        |
| 10              | QPSK       | 25      | 0         | 22.86                    | 22.86                       | 22.84                     | 24.2                   |
| 10              | QPSK       | 25      | 12        | 22.91                    | 22.86                       | 22.80                     |                        |
| 10              | QPSK       | 25      | 25        | 22.86                    | 22.79                       | 22.76                     |                        |
| 10              | QPSK       | 50      | 0         | 22.80                    | 22.84                       | 22.82                     | 24.2                   |
| 10              | 16QAM      | 1       | 0         | 23.10                    | 22.98                       | 23.09                     |                        |
| 10              | 16QAM      | 1       | 25        | 23.14                    | 23.12                       | 23.14                     |                        |
| 10              | 16QAM      | 1       | 49        | 22.88                    | 22.92                       | 22.83                     | 23.2                   |
| 10              | 16QAM      | 25      | 0         | 21.84                    | 21.85                       | 21.86                     |                        |
| 10              | 16QAM      | 25      | 12        | 21.96                    | 21.86                       | 21.85                     |                        |
| 10              | 16QAM      | 25      | 25        | 21.86                    | 21.79                       | 21.74                     | 23.2                   |
| 10              | 16QAM      | 50      | 0         | 21.81                    | 21.83                       | 21.83                     |                        |
| 10              | 64QAM      | 1       | 0         | 22.02                    | 21.96                       | 22.08                     |                        |
| 10              | 64QAM      | 1       | 25        | 22.06                    | 22.20                       | 22.14                     | 22.2                   |
| 10              | 64QAM      | 1       | 49        | 21.95                    | 21.90                       | 21.83                     |                        |
| 10              | 64QAM      | 25      | 0         | 20.83                    | 20.90                       | 20.87                     |                        |
| 10              | 64QAM      | 25      | 12        | 20.93                    | 20.84                       | 20.87                     | 20.2                   |
| 10              | 64QAM      | 25      | 25        | 20.88                    | 20.74                       | 20.76                     |                        |
| 10              | 64QAM      | 50      | 0         | 20.85                    | 20.82                       | 20.84                     |                        |
| 10              | 256QAM     | 1       | 0         | 18.89                    | 18.86                       | 18.90                     | 20.2                   |
| 10              | 256QAM     | 1       | 25        | 18.99                    | 18.94                       | 19.04                     |                        |
| 10              | 256QAM     | 1       | 49        | 18.77                    | 18.81                       | 18.72                     |                        |
| 10              | 256QAM     | 25      | 0         | 18.86                    | 18.91                       | 18.79                     | 20.2                   |
| 10              | 256QAM     | 25      | 12        | 18.95                    | 18.92                       | 18.88                     |                        |
| 10              | 256QAM     | 25      | 25        | 18.87                    | 18.81                       | 18.83                     |                        |
| 10              | 256QAM     | 50      | 0         | 18.87                    | 18.83                       | 18.83                     |                        |
| Channel         |            |         |           | 23755                    | 23790                       | 23825                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 706.5                    | 710                         | 713.5                     |                        |
| 5               | QPSK       | 1       | 0         | 23.62                    | 23.55                       | 23.59                     | 25.2                   |
| 5               | QPSK       | 1       | 12        | 23.58                    | 23.51                       | 23.63                     |                        |
| 5               | QPSK       | 1       | 24        | 23.54                    | 23.55                       | 23.46                     |                        |
| 5               | QPSK       | 12      | 0         | 22.69                    | 22.69                       | 22.71                     | 24.2                   |
| 5               | QPSK       | 12      | 7         | 22.80                    | 22.66                       | 22.62                     |                        |
| 5               | QPSK       | 12      | 13        | 22.72                    | 22.61                       | 22.56                     |                        |
| 5               | QPSK       | 25      | 0         | 22.62                    | 22.72                       | 22.71                     | 24.2                   |
| 5               | 16QAM      | 1       | 0         | 22.96                    | 22.79                       | 22.92                     |                        |
| 5               | 16QAM      | 1       | 12        | 23.00                    | 23.00                       | 23.01                     |                        |
| 5               | 16QAM      | 1       | 24        | 22.72                    | 22.72                       | 22.70                     | 23.2                   |
| 5               | 16QAM      | 12      | 0         | 21.64                    | 21.69                       | 21.66                     |                        |
| 5               | 16QAM      | 12      | 7         | 21.83                    | 21.67                       | 21.72                     |                        |
| 5               | 16QAM      | 12      | 13        | 21.66                    | 21.69                       | 21.59                     | 23.2                   |
| 5               | 16QAM      | 25      | 0         | 21.71                    | 21.67                       | 21.66                     |                        |
| 5               | 64QAM      | 1       | 0         | 21.92                    | 21.79                       | 21.92                     |                        |
| 5               | 64QAM      | 1       | 12        | 21.94                    | 22.09                       | 22.02                     | 22.2                   |
| 5               | 64QAM      | 1       | 24        | 21.84                    | 21.76                       | 21.70                     |                        |
| 5               | 64QAM      | 12      | 0         | 20.66                    | 20.75                       | 20.74                     |                        |
| 5               | 64QAM      | 12      | 7         | 20.73                    | 20.68                       | 20.71                     | 20.2                   |
| 5               | 64QAM      | 12      | 13        | 20.74                    | 20.59                       | 20.60                     |                        |
| 5               | 64QAM      | 25      | 0         | 20.69                    | 20.66                       | 20.73                     |                        |
| 5               | 256QAM     | 1       | 0         | 18.69                    | 18.66                       | 18.75                     | 20.2                   |
| 5               | 256QAM     | 1       | 12        | 18.79                    | 18.84                       | 18.86                     |                        |
| 5               | 256QAM     | 1       | 24        | 18.65                    | 18.64                       | 18.54                     |                        |
| 5               | 256QAM     | 12      | 0         | 18.66                    | 18.75                       | 18.64                     | 20.2                   |
| 5               | 256QAM     | 12      | 7         | 18.81                    | 18.82                       | 18.76                     |                        |
| 5               | 256QAM     | 12      | 13        | 18.73                    | 18.69                       | 18.72                     |                        |
| 5               | 256QAM     | 25      | 0         | 18.68                    | 18.64                       | 18.64                     |                        |



# FCC SAR TEST REPORT

Report No. : FA411111B

<LTE Band 25\_Ant 1\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 26140                    | 26340                       | 26590                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1905                      |                        |
| 20              | QPSK       | 1       | 0         | 24.15                    | 24.21                       | 24.16                     | 24.4                   |
| 20              | QPSK       | 1       | 49        | 24.14                    | 24.12                       | 24.14                     |                        |
| 20              | QPSK       | 1       | 99        | 24.08                    | 24.13                       | 24.08                     |                        |
| 20              | QPSK       | 50      | 0         | 23.17                    | 23.24                       | 23.15                     | 23.4                   |
| 20              | QPSK       | 50      | 24        | 23.24                    | 23.35                       | 23.21                     |                        |
| 20              | QPSK       | 50      | 50        | 23.23                    | 23.32                       | 23.20                     |                        |
| 20              | QPSK       | 100     | 0         | 23.22                    | 23.23                       | 23.19                     |                        |
| 20              | 16QAM      | 1       | 0         | 23.21                    | 23.13                       | 23.23                     | 23.4                   |
| 20              | 16QAM      | 1       | 49        | 23.27                    | 23.22                       | 23.22                     |                        |
| 20              | 16QAM      | 1       | 99        | 23.34                    | 23.24                       | 23.22                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.94                    | 22.06                       | 21.98                     | 22.4                   |
| 20              | 16QAM      | 50      | 24        | 22.06                    | 22.10                       | 21.98                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.05                    | 22.14                       | 22.04                     |                        |
| 20              | 16QAM      | 100     | 0         | 22.01                    | 22.05                       | 21.96                     |                        |
| 20              | 64QAM      | 1       | 0         | 22.04                    | 22.06                       | 22.05                     | 22.4                   |
| 20              | 64QAM      | 1       | 49        | 22.14                    | 22.24                       | 22.06                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.03                    | 22.23                       | 22.15                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.96                    | 21.03                       | 20.98                     | 21.4                   |
| 20              | 64QAM      | 50      | 24        | 21.07                    | 21.15                       | 21.01                     |                        |
| 20              | 64QAM      | 50      | 50        | 21.03                    | 21.10                       | 21.05                     |                        |
| 20              | 64QAM      | 100     | 0         | 21.04                    | 21.04                       | 21.04                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.94                    | 19.11                       | 19.01                     | 19.4                   |
| 20              | 256QAM     | 1       | 49        | 19.08                    | 19.17                       | 19.10                     |                        |
| 20              | 256QAM     | 1       | 99        | 19.22                    | 19.25                       | 19.18                     |                        |
| 20              | 256QAM     | 50      | 0         | 19.01                    | 19.10                       | 19.06                     | 19.4                   |
| 20              | 256QAM     | 50      | 24        | 19.06                    | 19.21                       | 19.06                     |                        |
| 20              | 256QAM     | 50      | 50        | 19.09                    | 19.19                       | 19.08                     |                        |
| 20              | 256QAM     | 100     | 0         | 19.08                    | 19.10                       | 19.10                     |                        |
| Channel         |            |         |           | 26115                    | 26340                       | 26615                     |                        |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1907.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.99                    | 24.01                       | 24.04                     | 24.4                   |
| 15              | QPSK       | 1       | 37        | 24.00                    | 24.01                       | 23.94                     |                        |
| 15              | QPSK       | 1       | 74        | 23.90                    | 23.96                       | 23.90                     |                        |
| 15              | QPSK       | 36      | 0         | 23.00                    | 23.12                       | 23.02                     | 23.4                   |
| 15              | QPSK       | 36      | 20        | 23.07                    | 23.19                       | 23.05                     |                        |
| 15              | QPSK       | 36      | 39        | 23.13                    | 23.13                       | 23.08                     |                        |
| 15              | QPSK       | 75      | 0         | 23.05                    | 23.11                       | 23.06                     |                        |
| 15              | 16QAM      | 1       | 0         | 23.21                    | 23.22                       | 23.24                     | 23.4                   |
| 15              | 16QAM      | 1       | 37        | 23.28                    | 23.27                       | 23.25                     |                        |
| 15              | 16QAM      | 1       | 74        | 23.22                    | 23.25                       | 23.32                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.96                    | 22.16                       | 22.03                     | 22.4                   |
| 15              | 16QAM      | 36      | 20        | 22.14                    | 22.18                       | 22.02                     |                        |
| 15              | 16QAM      | 36      | 39        | 22.05                    | 22.21                       | 22.13                     |                        |
| 15              | 16QAM      | 75      | 0         | 22.11                    | 22.12                       | 21.99                     |                        |
| 15              | 64QAM      | 1       | 0         | 22.13                    | 22.15                       | 22.05                     | 22.4                   |
| 15              | 64QAM      | 1       | 37        | 22.21                    | 22.24                       | 22.15                     |                        |
| 15              | 64QAM      | 1       | 74        | 22.10                    | 22.33                       | 22.24                     |                        |
| 15              | 64QAM      | 36      | 0         | 21.00                    | 21.06                       | 21.02                     | 21.4                   |
| 15              | 64QAM      | 36      | 20        | 21.08                    | 21.21                       | 21.08                     |                        |
| 15              | 64QAM      | 36      | 39        | 21.06                    | 21.11                       | 21.12                     |                        |
| 15              | 64QAM      | 75      | 0         | 21.05                    | 21.11                       | 21.06                     |                        |
| 15              | 256QAM     | 1       | 0         | 19.02                    | 19.11                       | 19.08                     | 19.4                   |
| 15              | 256QAM     | 1       | 37        | 19.16                    | 19.26                       | 19.20                     |                        |
| 15              | 256QAM     | 1       | 74        | 19.32                    | 19.26                       | 19.27                     |                        |
| 15              | 256QAM     | 36      | 0         | 19.08                    | 19.19                       | 19.14                     | 19.4                   |
| 15              | 256QAM     | 36      | 20        | 19.16                    | 19.31                       | 19.09                     |                        |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 19.09  | 19.23 | 19.17  |                     |
| 15              | 256QAM | 75 | 0  | 19.10  | 19.13 | 19.15  |                     |
| Channel         |        |    |    | 26090  | 26340 | 26640  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1855   | 1880  | 1910   |                     |
| 10              | QPSK   | 1  | 0  | 23.98  | 24.03 | 24.03  | 24.4                |
| 10              | QPSK   | 1  | 25 | 23.99  | 23.94 | 23.95  |                     |
| 10              | QPSK   | 1  | 49 | 23.91  | 24.01 | 23.90  |                     |
| 10              | QPSK   | 25 | 0  | 23.03  | 23.12 | 22.95  | 23.4                |
| 10              | QPSK   | 25 | 12 | 23.06  | 23.25 | 23.01  |                     |
| 10              | QPSK   | 25 | 25 | 23.11  | 23.20 | 23.14  |                     |
| 10              | QPSK   | 50 | 0  | 23.02  | 23.08 | 23.00  |                     |
| 10              | 16QAM  | 1  | 0  | 23.22  | 23.14 | 23.28  | 23.4                |
| 10              | 16QAM  | 1  | 25 | 23.33  | 23.29 | 23.25  |                     |
| 10              | 16QAM  | 1  | 49 | 23.21  | 23.24 | 23.23  |                     |
| 10              | 16QAM  | 25 | 0  | 21.98  | 22.14 | 22.01  | 22.4                |
| 10              | 16QAM  | 25 | 12 | 22.09  | 22.17 | 22.01  |                     |
| 10              | 16QAM  | 25 | 25 | 22.07  | 22.22 | 22.10  |                     |
| 10              | 16QAM  | 50 | 0  | 22.06  | 22.05 | 22.02  |                     |
| 10              | 64QAM  | 1  | 0  | 22.07  | 22.08 | 22.07  | 22.4                |
| 10              | 64QAM  | 1  | 25 | 22.22  | 22.24 | 22.11  |                     |
| 10              | 64QAM  | 1  | 49 | 22.08  | 22.29 | 22.25  |                     |
| 10              | 64QAM  | 25 | 0  | 21.02  | 21.03 | 21.06  | 21.4                |
| 10              | 64QAM  | 25 | 12 | 21.10  | 21.21 | 21.10  |                     |
| 10              | 64QAM  | 25 | 25 | 21.10  | 21.10 | 21.10  |                     |
| 10              | 64QAM  | 50 | 0  | 21.05  | 21.09 | 21.08  |                     |
| 10              | 256QAM | 1  | 0  | 19.03  | 19.15 | 19.09  | 19.4                |
| 10              | 256QAM | 1  | 25 | 19.13  | 19.23 | 19.16  |                     |
| 10              | 256QAM | 1  | 49 | 19.29  | 19.34 | 19.24  |                     |
| 10              | 256QAM | 25 | 0  | 19.06  | 19.20 | 19.07  | 19.4                |
| 10              | 256QAM | 25 | 12 | 19.13  | 19.28 | 19.12  |                     |
| 10              | 256QAM | 25 | 25 | 19.10  | 19.24 | 19.12  |                     |
| 10              | 256QAM | 50 | 0  | 19.12  | 19.17 | 19.17  |                     |
| Channel         |        |    |    | 26065  | 26340 | 26665  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1912.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.96  | 24.06 | 24.05  | 24.4                |
| 5               | QPSK   | 1  | 12 | 24.01  | 23.94 | 24.02  |                     |
| 5               | QPSK   | 1  | 24 | 23.88  | 23.99 | 23.98  |                     |
| 5               | QPSK   | 12 | 0  | 23.03  | 23.11 | 23.00  | 23.4                |
| 5               | QPSK   | 12 | 7  | 23.05  | 23.24 | 23.10  |                     |
| 5               | QPSK   | 12 | 13 | 23.11  | 23.20 | 23.12  |                     |
| 5               | QPSK   | 25 | 0  | 23.10  | 23.07 | 23.03  |                     |
| 5               | 16QAM  | 1  | 0  | 23.21  | 23.19 | 23.24  | 23.4                |
| 5               | 16QAM  | 1  | 12 | 23.27  | 23.25 | 23.26  |                     |
| 5               | 16QAM  | 1  | 24 | 23.34  | 23.27 | 23.27  |                     |
| 5               | 16QAM  | 12 | 0  | 22.02  | 22.08 | 22.05  | 22.4                |
| 5               | 16QAM  | 12 | 7  | 22.14  | 22.13 | 22.03  |                     |
| 5               | 16QAM  | 12 | 13 | 22.12  | 22.22 | 22.09  |                     |
| 5               | 16QAM  | 25 | 0  | 22.03  | 22.11 | 22.00  |                     |
| 5               | 64QAM  | 1  | 0  | 22.13  | 22.15 | 22.06  | 22.4                |
| 5               | 64QAM  | 1  | 12 | 22.21  | 22.24 | 22.14  |                     |
| 5               | 64QAM  | 1  | 24 | 22.04  | 22.31 | 22.16  |                     |
| 5               | 64QAM  | 12 | 0  | 20.96  | 21.07 | 21.08  | 21.4                |
| 5               | 64QAM  | 12 | 7  | 21.17  | 21.15 | 21.02  |                     |
| 5               | 64QAM  | 12 | 13 | 21.06  | 21.17 | 21.14  |                     |
| 5               | 64QAM  | 25 | 0  | 21.04  | 21.13 | 21.08  |                     |
| 5               | 256QAM | 1  | 0  | 19.02  | 19.18 | 19.11  | 19.4                |
| 5               | 256QAM | 1  | 12 | 19.15  | 19.27 | 19.11  |                     |
| 5               | 256QAM | 1  | 24 | 19.30  | 19.26 | 19.26  |                     |
| 5               | 256QAM | 12 | 0  | 19.02  | 19.20 | 19.14  | 19.4                |
| 5               | 256QAM | 12 | 7  | 19.08  | 19.31 | 19.16  |                     |
| 5               | 256QAM | 12 | 13 | 19.18  | 19.28 | 19.17  |                     |
| 5               | 256QAM | 25 | 0  | 19.10  | 19.16 | 19.15  |                     |



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| Channel         |        |    |    | 26055  | 26340 | 26675  | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|-------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1913.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.98  | 24.07 | 24.03  | 24.4                   |
| 3               | QPSK   | 1  | 8  | 23.97  | 23.92 | 24.01  |                        |
| 3               | QPSK   | 1  | 14 | 23.98  | 23.94 | 23.90  |                        |
| 3               | QPSK   | 8  | 0  | 23.03  | 23.13 | 22.95  | 23.4                   |
| 3               | QPSK   | 8  | 4  | 23.12  | 23.15 | 23.04  |                        |
| 3               | QPSK   | 8  | 7  | 23.13  | 23.16 | 23.06  |                        |
| 3               | QPSK   | 15 | 0  | 23.11  | 23.11 | 23.02  | 23.4                   |
| 3               | 16QAM  | 1  | 0  | 23.22  | 23.22 | 23.32  |                        |
| 3               | 16QAM  | 1  | 8  | 23.28  | 23.26 | 23.24  |                        |
| 3               | 16QAM  | 1  | 14 | 23.40  | 23.33 | 23.31  | 22.4                   |
| 3               | 16QAM  | 8  | 0  | 22.02  | 22.14 | 22.02  |                        |
| 3               | 16QAM  | 8  | 4  | 22.09  | 22.12 | 22.07  |                        |
| 3               | 16QAM  | 8  | 7  | 22.11  | 22.16 | 22.08  | 22.4                   |
| 3               | 16QAM  | 15 | 0  | 22.09  | 22.05 | 22.00  |                        |
| 3               | 64QAM  | 1  | 0  | 22.12  | 22.10 | 22.05  |                        |
| 3               | 64QAM  | 1  | 8  | 22.16  | 22.33 | 22.13  | 21.4                   |
| 3               | 64QAM  | 1  | 14 | 22.08  | 22.32 | 22.21  |                        |
| 3               | 64QAM  | 8  | 0  | 20.97  | 21.13 | 20.99  |                        |
| 3               | 64QAM  | 8  | 4  | 21.10  | 21.15 | 21.04  | 19.4                   |
| 3               | 64QAM  | 8  | 7  | 21.05  | 21.14 | 21.07  |                        |
| 3               | 64QAM  | 15 | 0  | 21.10  | 21.13 | 21.09  |                        |
| 3               | 256QAM | 1  | 0  | 18.94  | 19.11 | 19.04  | 19.4                   |
| 3               | 256QAM | 1  | 8  | 19.17  | 19.24 | 19.16  |                        |
| 3               | 256QAM | 1  | 14 | 19.24  | 19.28 | 19.28  |                        |
| 3               | 256QAM | 8  | 0  | 19.07  | 19.18 | 19.14  | 19.4                   |
| 3               | 256QAM | 8  | 4  | 19.10  | 19.26 | 19.15  |                        |
| 3               | 256QAM | 8  | 7  | 19.17  | 19.23 | 19.17  |                        |
| 3               | 256QAM | 15 | 0  | 19.13  | 19.15 | 19.15  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 26047  | 26340 | 26683  |                        |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1914.3 | Tune-up limit<br>(dBm) |
| 1.4             | QPSK   | 1  | 0  | 23.99  | 24.06 | 24.00  | 24.4                   |
| 1.4             | QPSK   | 1  | 3  | 24.04  | 23.94 | 23.97  |                        |
| 1.4             | QPSK   | 1  | 5  | 23.95  | 23.98 | 23.91  |                        |
| 1.4             | QPSK   | 3  | 0  | 23.90  | 24.06 | 23.91  |                        |
| 1.4             | QPSK   | 3  | 1  | 24.03  | 23.91 | 23.87  |                        |
| 1.4             | QPSK   | 3  | 3  | 23.85  | 23.91 | 23.83  |                        |
| 1.4             | QPSK   | 6  | 0  | 23.03  | 23.10 | 23.01  | 23.4                   |
| 1.4             | 16QAM  | 1  | 0  | 23.14  | 23.22 | 23.01  | 23.4                   |
| 1.4             | 16QAM  | 1  | 3  | 23.11  | 23.14 | 23.10  |                        |
| 1.4             | 16QAM  | 1  | 5  | 23.11  | 23.04 | 23.01  |                        |
| 1.4             | 16QAM  | 3  | 0  | 23.30  | 23.18 | 23.31  |                        |
| 1.4             | 16QAM  | 3  | 1  | 23.32  | 23.24 | 23.30  |                        |
| 1.4             | 16QAM  | 3  | 3  | 23.34  | 23.31 | 23.29  | 22.4                   |
| 1.4             | 16QAM  | 6  | 0  | 22.02  | 22.10 | 21.98  |                        |
| 1.4             | 64QAM  | 1  | 0  | 22.08  | 22.10 | 22.06  | 22.4                   |
| 1.4             | 64QAM  | 1  | 3  | 22.08  | 22.19 | 22.14  |                        |
| 1.4             | 64QAM  | 1  | 5  | 22.01  | 22.14 | 21.98  |                        |
| 1.4             | 64QAM  | 3  | 0  | 22.10  | 22.08 | 22.08  |                        |
| 1.4             | 64QAM  | 3  | 1  | 22.16  | 22.30 | 22.10  |                        |
| 1.4             | 64QAM  | 3  | 3  | 22.08  | 22.26 | 22.24  | 21.4                   |
| 1.4             | 64QAM  | 6  | 0  | 21.03  | 21.07 | 21.07  |                        |
| 1.4             | 256QAM | 1  | 0  | 18.94  | 19.15 | 19.04  | 19.4                   |
| 1.4             | 256QAM | 1  | 3  | 19.13  | 19.21 | 19.20  |                        |
| 1.4             | 256QAM | 1  | 5  | 19.26  | 19.25 | 19.28  |                        |
| 1.4             | 256QAM | 3  | 0  | 19.03  | 19.10 | 19.08  |                        |
| 1.4             | 256QAM | 3  | 1  | 19.07  | 19.23 | 19.07  |                        |
| 1.4             | 256QAM | 3  | 3  | 19.09  | 19.28 | 19.17  | 19.4                   |
| 1.4             | 256QAM | 6  | 0  | 19.13  | 19.15 | 19.18  |                        |

**<LTE Band 25\_Ant 5\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 26140                    | 26340                       | 26590                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1905                      |                        |
| 20              | QPSK       | 1       | 0         | 24.11                    | 24.19                       | 24.14                     |                        |
| 20              | QPSK       | 1       | 49        | 24.02                    | 24.08                       | 24.04                     | 24.4                   |
| 20              | QPSK       | 1       | 99        | 23.93                    | 23.96                       | 23.96                     |                        |
| 20              | QPSK       | 50      | 0         | 22.89                    | 22.92                       | 22.85                     |                        |
| 20              | QPSK       | 50      | 24        | 22.85                    | 22.97                       | 22.87                     | 23.4                   |
| 20              | QPSK       | 50      | 50        | 22.89                    | 22.98                       | 22.88                     |                        |
| 20              | QPSK       | 100     | 0         | 22.99                    | 23.01                       | 22.95                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.86                    | 22.90                       | 22.83                     | 23.4                   |
| 20              | 16QAM      | 1       | 49        | 22.87                    | 22.93                       | 22.90                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.78                    | 22.82                       | 22.76                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.89                    | 21.91                       | 21.91                     | 22.4                   |
| 20              | 16QAM      | 50      | 24        | 21.94                    | 22.00                       | 22.00                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.94                    | 21.94                       | 21.87                     |                        |
| 20              | 16QAM      | 100     | 0         | 22.06                    | 22.06                       | 22.04                     | 22.4                   |
| 20              | 64QAM      | 1       | 0         | 21.99                    | 22.02                       | 21.95                     |                        |
| 20              | 64QAM      | 1       | 49        | 21.91                    | 21.98                       | 21.93                     |                        |
| 20              | 64QAM      | 1       | 99        | 21.89                    | 21.94                       | 21.92                     | 21.4                   |
| 20              | 64QAM      | 50      | 0         | 20.78                    | 20.88                       | 20.82                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.98                    | 20.98                       | 20.89                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.91                    | 20.93                       | 20.91                     | 19.4                   |
| 20              | 64QAM      | 100     | 0         | 20.92                    | 20.98                       | 20.90                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.64                    | 18.64                       | 18.58                     |                        |
| 20              | 256QAM     | 1       | 49        | 18.63                    | 18.68                       | 18.66                     | 19.4                   |
| 20              | 256QAM     | 1       | 99        | 18.65                    | 18.67                       | 18.65                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.86                    | 18.93                       | 18.89                     |                        |
| 20              | 256QAM     | 50      | 24        | 18.98                    | 19.07                       | 19.00                     | 19.4                   |
| 20              | 256QAM     | 50      | 50        | 19.02                    | 19.02                       | 18.98                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.89                    | 18.99                       | 18.99                     |                        |
| Channel         |            |         |           | 26115                    | 26340                       | 26615                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1907.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.95                    | 24.03                       | 24.03                     |                        |
| 15              | QPSK       | 1       | 37        | 23.92                    | 23.88                       | 23.88                     | 24.4                   |
| 15              | QPSK       | 1       | 74        | 23.78                    | 23.84                       | 23.76                     |                        |
| 15              | QPSK       | 36      | 0         | 22.77                    | 22.76                       | 22.69                     |                        |
| 15              | QPSK       | 36      | 20        | 22.66                    | 22.82                       | 22.67                     | 23.4                   |
| 15              | QPSK       | 36      | 39        | 22.79                    | 22.81                       | 22.78                     |                        |
| 15              | QPSK       | 75      | 0         | 22.84                    | 22.90                       | 22.85                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.72                    | 22.77                       | 22.66                     | 23.4                   |
| 15              | 16QAM      | 1       | 37        | 22.77                    | 22.73                       | 22.72                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.58                    | 22.69                       | 22.59                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.79                    | 21.77                       | 21.81                     | 22.4                   |
| 15              | 16QAM      | 36      | 20        | 21.77                    | 21.87                       | 21.90                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.77                    | 21.76                       | 21.67                     |                        |
| 15              | 16QAM      | 75      | 0         | 21.89                    | 21.90                       | 21.87                     | 22.4                   |
| 15              | 64QAM      | 1       | 0         | 21.82                    | 21.87                       | 21.83                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.80                    | 21.82                       | 21.80                     |                        |
| 15              | 64QAM      | 1       | 74        | 21.76                    | 21.81                       | 21.77                     | 21.4                   |
| 15              | 64QAM      | 36      | 0         | 20.65                    | 20.77                       | 20.65                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.83                    | 20.78                       | 20.78                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.72                    | 20.79                       | 20.79                     | 19.4                   |
| 15              | 64QAM      | 75      | 0         | 20.73                    | 20.80                       | 20.74                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.52                    | 18.44                       | 18.40                     |                        |
| 15              | 256QAM     | 1       | 37        | 18.44                    | 18.52                       | 18.46                     | 19.4                   |
| 15              | 256QAM     | 1       | 74        | 18.50                    | 18.55                       | 18.54                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.70                    | 18.79                       | 18.79                     |                        |
| 15              | 256QAM     | 36      | 20        | 18.85                    | 18.94                       | 18.80                     |                        |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 18.89  | 18.92 | 18.82  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 18.78  | 18.80 | 18.81  |                     |
| Channel         |        |    |    | 26090  | 26340 | 26640  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1855   | 1880  | 1910   |                     |
| 10              | QPSK   | 1  | 0  | 23.99  | 24.01 | 24.00  | 24.4                |
| 10              | QPSK   | 1  | 25 | 23.90  | 23.90 | 23.92  |                     |
| 10              | QPSK   | 1  | 49 | 23.83  | 23.79 | 23.76  |                     |
| 10              | QPSK   | 25 | 0  | 22.77  | 22.78 | 22.68  | 23.4                |
| 10              | QPSK   | 25 | 12 | 22.72  | 22.86 | 22.77  |                     |
| 10              | QPSK   | 25 | 25 | 22.77  | 22.82 | 22.71  |                     |
| 10              | QPSK   | 50 | 0  | 22.87  | 22.86 | 22.82  |                     |
| 10              | 16QAM  | 1  | 0  | 22.69  | 22.72 | 22.63  | 23.4                |
| 10              | 16QAM  | 1  | 25 | 22.71  | 22.75 | 22.79  |                     |
| 10              | 16QAM  | 1  | 49 | 22.62  | 22.65 | 22.58  |                     |
| 10              | 16QAM  | 25 | 0  | 21.72  | 21.74 | 21.75  | 22.4                |
| 10              | 16QAM  | 25 | 12 | 21.82  | 21.81 | 21.85  |                     |
| 10              | 16QAM  | 25 | 25 | 21.80  | 21.79 | 21.73  |                     |
| 10              | 16QAM  | 50 | 0  | 21.94  | 21.89 | 21.87  |                     |
| 10              | 64QAM  | 1  | 0  | 21.89  | 21.86 | 21.83  | 22.4                |
| 10              | 64QAM  | 1  | 25 | 21.77  | 21.85 | 21.77  |                     |
| 10              | 64QAM  | 1  | 49 | 21.70  | 21.79 | 21.80  |                     |
| 10              | 64QAM  | 25 | 0  | 20.63  | 20.68 | 20.66  | 21.4                |
| 10              | 64QAM  | 25 | 12 | 20.82  | 20.87 | 20.71  |                     |
| 10              | 64QAM  | 25 | 25 | 20.72  | 20.81 | 20.79  |                     |
| 10              | 64QAM  | 50 | 0  | 20.82  | 20.83 | 20.77  |                     |
| 10              | 256QAM | 1  | 0  | 18.48  | 18.44 | 18.47  | 19.4                |
| 10              | 256QAM | 1  | 25 | 18.51  | 18.49 | 18.56  |                     |
| 10              | 256QAM | 1  | 49 | 18.50  | 18.52 | 18.45  |                     |
| 10              | 256QAM | 25 | 0  | 18.69  | 18.74 | 18.73  | 19.4                |
| 10              | 256QAM | 25 | 12 | 18.86  | 18.93 | 18.85  |                     |
| 10              | 256QAM | 25 | 25 | 18.86  | 18.88 | 18.86  |                     |
| 10              | 256QAM | 50 | 0  | 18.70  | 18.88 | 18.81  |                     |
| Channel         |        |    |    | 26065  | 26340 | 26665  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1912.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.99  | 24.01 | 24.04  | 24.4                |
| 5               | QPSK   | 1  | 12 | 23.83  | 23.92 | 23.89  |                     |
| 5               | QPSK   | 1  | 24 | 23.79  | 23.82 | 23.85  |                     |
| 5               | QPSK   | 12 | 0  | 22.69  | 22.72 | 22.65  | 23.4                |
| 5               | QPSK   | 12 | 7  | 22.71  | 22.86 | 22.73  |                     |
| 5               | QPSK   | 12 | 13 | 22.73  | 22.88 | 22.77  |                     |
| 5               | QPSK   | 25 | 0  | 22.85  | 22.81 | 22.78  |                     |
| 5               | 16QAM  | 1  | 0  | 22.73  | 22.76 | 22.69  | 23.4                |
| 5               | 16QAM  | 1  | 12 | 22.75  | 22.73 | 22.74  |                     |
| 5               | 16QAM  | 1  | 24 | 22.59  | 22.62 | 22.61  |                     |
| 5               | 16QAM  | 12 | 0  | 21.72  | 21.73 | 21.81  | 22.4                |
| 5               | 16QAM  | 12 | 7  | 21.74  | 21.89 | 21.82  |                     |
| 5               | 16QAM  | 12 | 13 | 21.77  | 21.76 | 21.69  |                     |
| 5               | 16QAM  | 25 | 0  | 21.87  | 21.91 | 21.91  |                     |
| 5               | 64QAM  | 1  | 0  | 21.85  | 21.82 | 21.85  | 22.4                |
| 5               | 64QAM  | 1  | 12 | 21.72  | 21.86 | 21.83  |                     |
| 5               | 64QAM  | 1  | 24 | 21.78  | 21.80 | 21.82  |                     |
| 5               | 64QAM  | 12 | 0  | 20.65  | 20.73 | 20.72  | 21.4                |
| 5               | 64QAM  | 12 | 7  | 20.84  | 20.79 | 20.79  |                     |
| 5               | 64QAM  | 12 | 13 | 20.72  | 20.75 | 20.80  |                     |
| 5               | 64QAM  | 25 | 0  | 20.79  | 20.87 | 20.75  |                     |
| 5               | 256QAM | 1  | 0  | 18.50  | 18.51 | 18.39  | 19.4                |
| 5               | 256QAM | 1  | 12 | 18.51  | 18.52 | 18.48  |                     |
| 5               | 256QAM | 1  | 24 | 18.47  | 18.53 | 18.53  |                     |
| 5               | 256QAM | 12 | 0  | 18.75  | 18.73 | 18.69  | 19.4                |
| 5               | 256QAM | 12 | 7  | 18.84  | 18.96 | 18.88  |                     |
| 5               | 256QAM | 12 | 13 | 18.90  | 18.83 | 18.84  |                     |
| 5               | 256QAM | 25 | 0  | 18.75  | 18.79 | 18.86  |                     |



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| Channel         |        |    |    | 26055  | 26340 | 26675  | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|-------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1913.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.91  | 24.09 | 23.96  | 24.4                   |
| 3               | QPSK   | 1  | 8  | 23.92  | 23.88 | 23.90  |                        |
| 3               | QPSK   | 1  | 14 | 23.77  | 23.84 | 23.80  |                        |
| 3               | QPSK   | 8  | 0  | 22.73  | 22.73 | 22.70  | 23.4                   |
| 3               | QPSK   | 8  | 4  | 22.66  | 22.78 | 22.70  |                        |
| 3               | QPSK   | 8  | 7  | 22.78  | 22.82 | 22.70  |                        |
| 3               | QPSK   | 15 | 0  | 22.89  | 22.81 | 22.77  | 23.4                   |
| 3               | 16QAM  | 1  | 0  | 22.75  | 22.71 | 22.63  |                        |
| 3               | 16QAM  | 1  | 8  | 22.69  | 22.77 | 22.77  |                        |
| 3               | 16QAM  | 1  | 14 | 22.67  | 22.69 | 22.66  | 22.4                   |
| 3               | 16QAM  | 8  | 0  | 21.73  | 21.74 | 21.71  |                        |
| 3               | 16QAM  | 8  | 4  | 21.78  | 21.88 | 21.83  |                        |
| 3               | 16QAM  | 8  | 7  | 21.77  | 21.76 | 21.67  | 22.4                   |
| 3               | 16QAM  | 15 | 0  | 21.91  | 21.95 | 21.87  |                        |
| 3               | 64QAM  | 1  | 0  | 21.80  | 21.87 | 21.77  |                        |
| 3               | 64QAM  | 1  | 8  | 21.72  | 21.82 | 21.81  | 21.4                   |
| 3               | 64QAM  | 1  | 14 | 21.72  | 21.81 | 21.79  |                        |
| 3               | 64QAM  | 8  | 0  | 20.62  | 20.69 | 20.68  |                        |
| 3               | 64QAM  | 8  | 4  | 20.87  | 20.80 | 20.69  | 19.4                   |
| 3               | 64QAM  | 8  | 7  | 20.74  | 20.78 | 20.72  |                        |
| 3               | 64QAM  | 15 | 0  | 20.77  | 20.87 | 20.73  |                        |
| 3               | 256QAM | 1  | 0  | 18.44  | 18.47 | 18.46  | 19.4                   |
| 3               | 256QAM | 1  | 8  | 18.47  | 18.55 | 18.52  |                        |
| 3               | 256QAM | 1  | 14 | 18.46  | 18.51 | 18.52  |                        |
| 3               | 256QAM | 8  | 0  | 18.69  | 18.78 | 18.72  | 19.4                   |
| 3               | 256QAM | 8  | 4  | 18.85  | 18.88 | 18.81  |                        |
| 3               | 256QAM | 8  | 7  | 18.91  | 18.82 | 18.81  |                        |
| 3               | 256QAM | 15 | 0  | 18.75  | 18.80 | 18.84  |                        |
| Channel         |        |    |    | 26047  | 26340 | 26683  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1914.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 24.00  | 24.06 | 23.98  | 24.4                   |
| 1.4             | QPSK   | 1  | 3  | 23.85  | 23.93 | 23.84  |                        |
| 1.4             | QPSK   | 1  | 5  | 23.76  | 23.77 | 23.86  |                        |
| 1.4             | QPSK   | 3  | 0  | 23.81  | 23.95 | 23.79  | 23.4                   |
| 1.4             | QPSK   | 3  | 1  | 23.73  | 23.79 | 23.73  |                        |
| 1.4             | QPSK   | 3  | 3  | 23.59  | 23.61 | 23.70  |                        |
| 1.4             | QPSK   | 6  | 0  | 22.78  | 22.80 | 22.67  | 22.4                   |
| 1.4             | 16QAM  | 1  | 0  | 22.71  | 22.82 | 22.71  |                        |
| 1.4             | 16QAM  | 1  | 3  | 22.69  | 22.87 | 22.76  |                        |
| 1.4             | 16QAM  | 1  | 5  | 22.87  | 22.84 | 22.77  | 22.4                   |
| 1.4             | 16QAM  | 3  | 0  | 22.76  | 22.75 | 22.65  |                        |
| 1.4             | 16QAM  | 3  | 1  | 22.71  | 22.83 | 22.74  |                        |
| 1.4             | 16QAM  | 3  | 3  | 22.59  | 22.66 | 22.64  | 22.4                   |
| 1.4             | 16QAM  | 6  | 0  | 21.76  | 21.73 | 21.72  |                        |
| 1.4             | 64QAM  | 1  | 0  | 21.77  | 21.81 | 21.89  |                        |
| 1.4             | 64QAM  | 1  | 3  | 21.77  | 21.82 | 21.68  | 21.4                   |
| 1.4             | 64QAM  | 1  | 5  | 21.86  | 21.88 | 21.88  |                        |
| 1.4             | 64QAM  | 3  | 0  | 21.85  | 21.91 | 21.75  |                        |
| 1.4             | 64QAM  | 3  | 1  | 21.72  | 21.78 | 21.83  | 19.4                   |
| 1.4             | 64QAM  | 3  | 3  | 21.76  | 21.84 | 21.78  |                        |
| 1.4             | 64QAM  | 6  | 0  | 20.65  | 20.71 | 20.68  |                        |
| 1.4             | 256QAM | 1  | 0  | 18.47  | 18.54 | 18.38  | 19.4                   |
| 1.4             | 256QAM | 1  | 3  | 18.53  | 18.53 | 18.48  |                        |
| 1.4             | 256QAM | 1  | 5  | 18.48  | 18.47 | 18.51  |                        |
| 1.4             | 256QAM | 3  | 0  | 18.72  | 18.83 | 18.74  | 19.4                   |
| 1.4             | 256QAM | 3  | 1  | 18.88  | 18.89 | 18.89  |                        |
| 1.4             | 256QAM | 3  | 3  | 18.86  | 18.92 | 18.81  |                        |
| 1.4             | 256QAM | 6  | 0  | 18.77  | 18.81 | 18.79  |                        |

**<LTE Band 25\_Ant 1\_DSI 1 (Wlan On)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 26140                    | 26340                       | 26590                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1905                      |                        |
| 20              | QPSK       | 1       | 0         | 22.19                    | 22.41                       | 22.33                     | 23.5                   |
| 20              | QPSK       | 1       | 49        | 22.22                    | 22.36                       | 22.38                     |                        |
| 20              | QPSK       | 1       | 99        | 22.16                    | 22.35                       | 22.36                     |                        |
| 20              | QPSK       | 50      | 0         | 21.31                    | 21.47                       | 21.44                     | 22.5                   |
| 20              | QPSK       | 50      | 24        | 21.30                    | 21.43                       | 21.39                     |                        |
| 20              | QPSK       | 50      | 50        | 21.25                    | 21.46                       | 21.43                     |                        |
| 20              | QPSK       | 100     | 0         | 21.30                    | 21.40                       | 21.37                     |                        |
| 20              | 16QAM      | 1       | 0         | 21.58                    | 21.65                       | 21.62                     | 22.5                   |
| 20              | 16QAM      | 1       | 49        | 21.52                    | 21.78                       | 21.67                     |                        |
| 20              | 16QAM      | 1       | 99        | 21.55                    | 21.68                       | 21.63                     |                        |
| 20              | 16QAM      | 50      | 0         | 20.25                    | 20.43                       | 20.37                     | 21.5                   |
| 20              | 16QAM      | 50      | 24        | 20.34                    | 20.45                       | 20.39                     |                        |
| 20              | 16QAM      | 50      | 50        | 20.32                    | 20.48                       | 20.45                     |                        |
| 20              | 16QAM      | 100     | 0         | 20.31                    | 20.42                       | 20.38                     |                        |
| 20              | 64QAM      | 1       | 0         | 20.40                    | 20.59                       | 20.54                     | 21.5                   |
| 20              | 64QAM      | 1       | 49        | 20.39                    | 20.68                       | 20.63                     |                        |
| 20              | 64QAM      | 1       | 99        | 20.37                    | 20.56                       | 20.57                     |                        |
| 20              | 64QAM      | 50      | 0         | 19.23                    | 19.42                       | 19.39                     | 20.5                   |
| 20              | 64QAM      | 50      | 24        | 19.31                    | 19.45                       | 19.40                     |                        |
| 20              | 64QAM      | 50      | 50        | 19.30                    | 19.47                       | 19.46                     |                        |
| 20              | 64QAM      | 100     | 0         | 19.32                    | 19.43                       | 19.39                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.97                    | 17.93                       | 18.09                     | 18.5                   |
| 20              | 256QAM     | 1       | 49        | 17.99                    | 18.00                       | 18.03                     |                        |
| 20              | 256QAM     | 1       | 99        | 17.89                    | 18.06                       | 18.10                     |                        |
| 20              | 256QAM     | 50      | 0         | 16.80                    | 16.92                       | 16.89                     | 18.5                   |
| 20              | 256QAM     | 50      | 24        | 16.83                    | 16.96                       | 17.00                     |                        |
| 20              | 256QAM     | 50      | 50        | 16.88                    | 17.06                       | 17.03                     |                        |
| 20              | 256QAM     | 100     | 0         | 16.87                    | 17.01                       | 16.96                     |                        |
| Channel         |            |         |           | 26115                    | 26340                       | 26615                     |                        |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1907.5                    |                        |
| 15              | QPSK       | 1       | 0         | 22.09                    | 22.22                       | 22.17                     | 23.5                   |
| 15              | QPSK       | 1       | 37        | 22.11                    | 22.19                       | 22.25                     |                        |
| 15              | QPSK       | 1       | 74        | 22.00                    | 22.20                       | 22.24                     |                        |
| 15              | QPSK       | 36      | 0         | 21.20                    | 21.32                       | 21.28                     | 22.5                   |
| 15              | QPSK       | 36      | 20        | 21.17                    | 21.32                       | 21.27                     |                        |
| 15              | QPSK       | 36      | 39        | 21.10                    | 21.27                       | 21.33                     |                        |
| 15              | QPSK       | 75      | 0         | 21.16                    | 21.27                       | 21.27                     |                        |
| 15              | 16QAM      | 1       | 0         | 21.44                    | 21.47                       | 21.42                     | 22.5                   |
| 15              | 16QAM      | 1       | 37        | 21.35                    | 21.64                       | 21.53                     |                        |
| 15              | 16QAM      | 1       | 74        | 21.35                    | 21.52                       | 21.49                     |                        |
| 15              | 16QAM      | 36      | 0         | 20.08                    | 20.27                       | 20.18                     | 21.5                   |
| 15              | 16QAM      | 36      | 20        | 20.17                    | 20.31                       | 20.23                     |                        |
| 15              | 16QAM      | 36      | 39        | 20.16                    | 20.32                       | 20.29                     |                        |
| 15              | 16QAM      | 75      | 0         | 20.15                    | 20.28                       | 20.20                     |                        |
| 15              | 64QAM      | 1       | 0         | 20.21                    | 20.39                       | 20.39                     | 21.5                   |
| 15              | 64QAM      | 1       | 37        | 20.22                    | 20.51                       | 20.47                     |                        |
| 15              | 64QAM      | 1       | 74        | 20.23                    | 20.36                       | 20.44                     |                        |
| 15              | 64QAM      | 36      | 0         | 19.05                    | 19.31                       | 19.23                     | 20.5                   |
| 15              | 64QAM      | 36      | 20        | 19.14                    | 19.27                       | 19.25                     |                        |
| 15              | 64QAM      | 36      | 39        | 19.20                    | 19.35                       | 19.27                     |                        |
| 15              | 64QAM      | 75      | 0         | 19.18                    | 19.24                       | 19.21                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.87                    | 17.74                       | 17.90                     | 18.5                   |
| 15              | 256QAM     | 1       | 37        | 17.82                    | 17.87                       | 17.90                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.70                    | 17.92                       | 17.95                     |                        |
| 15              | 256QAM     | 36      | 0         | 16.70                    | 16.75                       | 16.76                     | 18.5                   |
| 15              | 256QAM     | 36      | 20        | 16.64                    | 16.76                       | 16.80                     |                        |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 16.68  | 16.90 | 16.85  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 16.68  | 16.81 | 16.86  |                     |
| Channel         |        |    |    | 26090  | 26340 | 26640  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1855   | 1880  | 1910   |                     |
| 10              | QPSK   | 1  | 0  | 22.07  | 22.24 | 22.19  | 23.5                |
| 10              | QPSK   | 1  | 25 | 22.12  | 22.21 | 22.27  |                     |
| 10              | QPSK   | 1  | 49 | 21.96  | 22.19 | 22.18  |                     |
| 10              | QPSK   | 25 | 0  | 21.13  | 21.32 | 21.30  | 22.5                |
| 10              | QPSK   | 25 | 12 | 21.19  | 21.24 | 21.27  |                     |
| 10              | QPSK   | 25 | 25 | 21.15  | 21.34 | 21.24  |                     |
| 10              | QPSK   | 50 | 0  | 21.12  | 21.28 | 21.22  |                     |
| 10              | 16QAM  | 1  | 0  | 21.40  | 21.46 | 21.52  | 22.5                |
| 10              | 16QAM  | 1  | 25 | 21.40  | 21.67 | 21.56  |                     |
| 10              | 16QAM  | 1  | 49 | 21.35  | 21.51 | 21.51  |                     |
| 10              | 16QAM  | 25 | 0  | 20.12  | 20.33 | 20.26  |                     |
| 10              | 16QAM  | 25 | 12 | 20.24  | 20.29 | 20.28  | 21.5                |
| 10              | 16QAM  | 25 | 25 | 20.18  | 20.38 | 20.29  |                     |
| 10              | 16QAM  | 50 | 0  | 20.18  | 20.27 | 20.22  |                     |
| 10              | 64QAM  | 1  | 0  | 20.21  | 20.48 | 20.44  | 21.5                |
| 10              | 64QAM  | 1  | 25 | 20.22  | 20.55 | 20.49  |                     |
| 10              | 64QAM  | 1  | 49 | 20.20  | 20.42 | 20.37  |                     |
| 10              | 64QAM  | 25 | 0  | 19.13  | 19.31 | 19.26  | 20.5                |
| 10              | 64QAM  | 25 | 12 | 19.14  | 19.31 | 19.21  |                     |
| 10              | 64QAM  | 25 | 25 | 19.17  | 19.37 | 19.34  |                     |
| 10              | 64QAM  | 50 | 0  | 19.21  | 19.25 | 19.24  |                     |
| 10              | 256QAM | 1  | 0  | 17.84  | 17.75 | 17.96  | 18.5                |
| 10              | 256QAM | 1  | 25 | 17.79  | 17.83 | 17.85  |                     |
| 10              | 256QAM | 1  | 49 | 17.69  | 17.91 | 17.94  |                     |
| 10              | 256QAM | 25 | 0  | 16.66  | 16.73 | 16.78  | 18.5                |
| 10              | 256QAM | 25 | 12 | 16.67  | 16.81 | 16.82  |                     |
| 10              | 256QAM | 25 | 25 | 16.78  | 16.90 | 16.92  |                     |
| 10              | 256QAM | 50 | 0  | 16.70  | 16.83 | 16.80  |                     |
| Channel         |        |    |    | 26065  | 26340 | 26665  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1912.5 |                     |
| 5               | QPSK   | 1  | 0  | 22.02  | 22.23 | 22.20  | 23.5                |
| 5               | QPSK   | 1  | 12 | 22.04  | 22.22 | 22.18  |                     |
| 5               | QPSK   | 1  | 24 | 22.06  | 22.20 | 22.26  |                     |
| 5               | QPSK   | 12 | 0  | 21.14  | 21.35 | 21.28  | 22.5                |
| 5               | QPSK   | 12 | 7  | 21.11  | 21.33 | 21.24  |                     |
| 5               | QPSK   | 12 | 13 | 21.07  | 21.26 | 21.32  |                     |
| 5               | QPSK   | 25 | 0  | 21.11  | 21.20 | 21.27  |                     |
| 5               | 16QAM  | 1  | 0  | 21.48  | 21.48 | 21.52  | 22.5                |
| 5               | 16QAM  | 1  | 12 | 21.33  | 21.66 | 21.55  |                     |
| 5               | 16QAM  | 1  | 24 | 21.40  | 21.52 | 21.45  |                     |
| 5               | 16QAM  | 12 | 0  | 20.05  | 20.26 | 20.18  | 21.5                |
| 5               | 16QAM  | 12 | 7  | 20.15  | 20.32 | 20.21  |                     |
| 5               | 16QAM  | 12 | 13 | 20.18  | 20.29 | 20.35  |                     |
| 5               | 16QAM  | 25 | 0  | 20.19  | 20.29 | 20.28  |                     |
| 5               | 64QAM  | 1  | 0  | 20.26  | 20.40 | 20.44  | 21.5                |
| 5               | 64QAM  | 1  | 12 | 20.25  | 20.52 | 20.52  |                     |
| 5               | 64QAM  | 1  | 24 | 20.20  | 20.42 | 20.43  |                     |
| 5               | 64QAM  | 12 | 0  | 19.12  | 19.31 | 19.29  | 20.5                |
| 5               | 64QAM  | 12 | 7  | 19.19  | 19.25 | 19.27  |                     |
| 5               | 64QAM  | 12 | 13 | 19.10  | 19.27 | 19.32  |                     |
| 5               | 64QAM  | 25 | 0  | 19.18  | 19.25 | 19.19  |                     |
| 5               | 256QAM | 1  | 0  | 17.81  | 17.80 | 17.96  | 18.5                |
| 5               | 256QAM | 1  | 12 | 17.79  | 17.80 | 17.87  |                     |
| 5               | 256QAM | 1  | 24 | 17.70  | 17.96 | 17.95  |                     |
| 5               | 256QAM | 12 | 0  | 16.63  | 16.74 | 16.76  | 18.5                |
| 5               | 256QAM | 12 | 7  | 16.70  | 16.82 | 16.88  |                     |
| 5               | 256QAM | 12 | 13 | 16.76  | 16.91 | 16.91  |                     |
| 5               | 256QAM | 25 | 0  | 16.76  | 16.86 | 16.77  |                     |



# FCC SAR TEST REPORT

Report No. : FA411111B

| Channel         |        |    |    | 26055  | 26340 | 26675  | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|-------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1913.5 |                        |
| 3               | QPSK   | 1  | 0  | 22.04  | 22.30 | 22.23  | 23.5                   |
| 3               | QPSK   | 1  | 8  | 22.03  | 22.26 | 22.25  |                        |
| 3               | QPSK   | 1  | 14 | 22.06  | 22.17 | 22.17  |                        |
| 3               | QPSK   | 8  | 0  | 21.11  | 21.30 | 21.24  | 22.5                   |
| 3               | QPSK   | 8  | 4  | 21.12  | 21.32 | 21.25  |                        |
| 3               | QPSK   | 8  | 7  | 21.12  | 21.36 | 21.28  |                        |
| 3               | QPSK   | 15 | 0  | 21.15  | 21.27 | 21.22  |                        |
| 3               | 16QAM  | 1  | 0  | 21.41  | 21.50 | 21.48  | 22.5                   |
| 3               | 16QAM  | 1  | 8  | 21.39  | 21.61 | 21.52  |                        |
| 3               | 16QAM  | 1  | 14 | 21.45  | 21.52 | 21.48  |                        |
| 3               | 16QAM  | 8  | 0  | 20.08  | 20.26 | 20.18  | 21.5                   |
| 3               | 16QAM  | 8  | 4  | 20.18  | 20.26 | 20.28  |                        |
| 3               | 16QAM  | 8  | 7  | 20.21  | 20.34 | 20.32  |                        |
| 3               | 16QAM  | 15 | 0  | 20.19  | 20.30 | 20.24  |                        |
| 3               | 64QAM  | 1  | 0  | 20.22  | 20.43 | 20.42  | 21.5                   |
| 3               | 64QAM  | 1  | 8  | 20.28  | 20.49 | 20.43  |                        |
| 3               | 64QAM  | 1  | 14 | 20.27  | 20.38 | 20.46  |                        |
| 3               | 64QAM  | 8  | 0  | 19.08  | 19.27 | 19.26  | 20.5                   |
| 3               | 64QAM  | 8  | 4  | 19.21  | 19.35 | 19.22  |                        |
| 3               | 64QAM  | 8  | 7  | 19.19  | 19.27 | 19.36  |                        |
| 3               | 64QAM  | 15 | 0  | 19.17  | 19.33 | 19.27  |                        |
| 3               | 256QAM | 1  | 0  | 17.79  | 17.74 | 17.98  | 18.5                   |
| 3               | 256QAM | 1  | 8  | 17.83  | 17.86 | 17.86  |                        |
| 3               | 256QAM | 1  | 14 | 17.71  | 17.90 | 17.97  |                        |
| 3               | 256QAM | 8  | 0  | 16.64  | 16.78 | 16.73  | 18.5                   |
| 3               | 256QAM | 8  | 4  | 16.71  | 16.85 | 16.81  |                        |
| 3               | 256QAM | 8  | 7  | 16.71  | 16.94 | 16.85  |                        |
| 3               | 256QAM | 15 | 0  | 16.73  | 16.89 | 16.86  |                        |
| Channel         |        |    |    | 26047  | 26340 | 26683  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1914.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 22.03  | 22.23 | 22.22  | 23.5                   |
| 1.4             | QPSK   | 1  | 3  | 22.11  | 22.24 | 22.21  |                        |
| 1.4             | QPSK   | 1  | 5  | 21.99  | 22.20 | 22.16  |                        |
| 1.4             | QPSK   | 3  | 0  | 21.84  | 22.07 | 22.06  |                        |
| 1.4             | QPSK   | 3  | 1  | 21.95  | 22.07 | 22.09  |                        |
| 1.4             | QPSK   | 3  | 3  | 21.86  | 22.09 | 22.02  |                        |
| 1.4             | QPSK   | 6  | 0  | 21.12  | 21.36 | 21.31  | 22.5                   |
| 1.4             | 16QAM  | 1  | 0  | 21.15  | 21.33 | 21.29  | 22.5                   |
| 1.4             | 16QAM  | 1  | 3  | 21.14  | 21.32 | 21.27  |                        |
| 1.4             | 16QAM  | 1  | 5  | 21.12  | 21.23 | 21.24  |                        |
| 1.4             | 16QAM  | 3  | 0  | 21.46  | 21.48 | 21.48  |                        |
| 1.4             | 16QAM  | 3  | 1  | 21.33  | 21.67 | 21.57  |                        |
| 1.4             | 16QAM  | 3  | 3  | 21.42  | 21.48 | 21.51  |                        |
| 1.4             | 16QAM  | 6  | 0  | 20.16  | 20.33 | 20.25  | 21.5                   |
| 1.4             | 64QAM  | 1  | 0  | 20.23  | 20.28 | 20.27  | 21.5                   |
| 1.4             | 64QAM  | 1  | 3  | 20.16  | 20.36 | 20.25  |                        |
| 1.4             | 64QAM  | 1  | 5  | 20.17  | 20.20 | 20.25  |                        |
| 1.4             | 64QAM  | 3  | 0  | 20.26  | 20.40 | 20.35  |                        |
| 1.4             | 64QAM  | 3  | 1  | 20.27  | 20.49 | 20.51  |                        |
| 1.4             | 64QAM  | 3  | 3  | 20.26  | 20.39 | 20.44  |                        |
| 1.4             | 64QAM  | 6  | 0  | 19.10  | 19.23 | 19.24  | 20.5                   |
| 1.4             | 256QAM | 1  | 0  | 17.78  | 17.81 | 17.94  | 18.5                   |
| 1.4             | 256QAM | 1  | 3  | 17.79  | 17.89 | 17.86  |                        |
| 1.4             | 256QAM | 1  | 5  | 17.76  | 17.96 | 17.95  |                        |
| 1.4             | 256QAM | 3  | 0  | 16.63  | 16.73 | 16.79  |                        |
| 1.4             | 256QAM | 3  | 1  | 16.68  | 16.85 | 16.84  |                        |
| 1.4             | 256QAM | 3  | 3  | 16.78  | 16.95 | 16.92  |                        |
| 1.4             | 256QAM | 6  | 0  | 16.67  | 16.81 | 16.86  | 18.5                   |



&lt;LTE Band 26\_Ant 1\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 26765                    | 26865                       | 26965                     |                        |
| Frequency (MHz) |            |         |           | 821.5                    | 831.5                       | 841.5                     |                        |
| 15              | QPSK       | 1       | 0         | 24.40                    | 24.39                       | 24.42                     |                        |
| 15              | QPSK       | 1       | 37        | 24.39                    | 24.38                       | 24.36                     | 25.2                   |
| 15              | QPSK       | 1       | 74        | 24.34                    | 24.30                       | 24.34                     |                        |
| 15              | QPSK       | 36      | 0         | 23.47                    | 23.38                       | 23.46                     |                        |
| 15              | QPSK       | 36      | 20        | 23.48                    | 23.51                       | 23.47                     | 24.2                   |
| 15              | QPSK       | 36      | 39        | 23.45                    | 23.46                       | 23.35                     |                        |
| 15              | QPSK       | 75      | 0         | 23.52                    | 23.50                       | 23.38                     |                        |
| 15              | 16QAM      | 1       | 0         | 23.59                    | 23.64                       | 23.70                     | 24.2                   |
| 15              | 16QAM      | 1       | 37        | 23.65                    | 23.70                       | 23.68                     |                        |
| 15              | 16QAM      | 1       | 74        | 23.53                    | 23.66                       | 23.55                     |                        |
| 15              | 16QAM      | 36      | 0         | 22.49                    | 22.43                       | 22.42                     | 23.2                   |
| 15              | 16QAM      | 36      | 20        | 22.51                    | 22.52                       | 22.41                     |                        |
| 15              | 16QAM      | 36      | 39        | 22.47                    | 22.45                       | 22.37                     |                        |
| 15              | 16QAM      | 75      | 0         | 22.48                    | 22.45                       | 22.34                     | 23.2                   |
| 15              | 64QAM      | 1       | 0         | 22.56                    | 22.55                       | 22.57                     |                        |
| 15              | 64QAM      | 1       | 37        | 22.73                    | 22.72                       | 22.71                     |                        |
| 15              | 64QAM      | 1       | 74        | 22.53                    | 22.47                       | 22.50                     | 22.2                   |
| 15              | 64QAM      | 36      | 0         | 21.47                    | 21.42                       | 21.43                     |                        |
| 15              | 64QAM      | 36      | 20        | 21.50                    | 21.50                       | 21.41                     |                        |
| 15              | 64QAM      | 36      | 39        | 21.45                    | 21.44                       | 21.36                     | 20.2                   |
| 15              | 64QAM      | 75      | 0         | 21.49                    | 21.49                       | 21.36                     |                        |
| 15              | 256QAM     | 1       | 0         | 19.56                    | 19.50                       | 19.61                     |                        |
| 15              | 256QAM     | 1       | 37        | 19.61                    | 19.53                       | 19.49                     | 20.2                   |
| 15              | 256QAM     | 1       | 74        | 19.29                    | 19.47                       | 19.30                     |                        |
| 15              | 256QAM     | 36      | 0         | 19.46                    | 19.44                       | 19.47                     |                        |
| 15              | 256QAM     | 36      | 20        | 19.63                    | 19.46                       | 19.48                     | 20.2                   |
| 15              | 256QAM     | 36      | 39        | 19.66                    | 19.43                       | 19.43                     |                        |
| 15              | 256QAM     | 75      | 0         | 19.70                    | 19.47                       | 19.44                     |                        |
| Channel         |            |         |           | 26740                    | 26865                       | 26990                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 819                      | 831.5                       | 844                       |                        |
| 10              | QPSK       | 1       | 0         | 24.20                    | 24.26                       | 24.22                     |                        |
| 10              | QPSK       | 1       | 25        | 24.24                    | 24.22                       | 24.22                     | 25.2                   |
| 10              | QPSK       | 1       | 49        | 24.15                    | 24.18                       | 24.21                     |                        |
| 10              | QPSK       | 25      | 0         | 23.30                    | 23.24                       | 23.28                     | 24.2                   |
| 10              | QPSK       | 25      | 12        | 23.30                    | 23.35                       | 23.28                     |                        |
| 10              | QPSK       | 25      | 25        | 23.26                    | 23.28                       | 23.23                     |                        |
| 10              | QPSK       | 50      | 0         | 23.37                    | 23.31                       | 23.23                     | 24.2                   |
| 10              | 16QAM      | 1       | 0         | 23.47                    | 23.48                       | 23.54                     |                        |
| 10              | 16QAM      | 1       | 25        | 23.47                    | 23.53                       | 23.58                     |                        |
| 10              | 16QAM      | 1       | 49        | 23.42                    | 23.56                       | 23.36                     | 23.2                   |
| 10              | 16QAM      | 25      | 0         | 22.33                    | 22.27                       | 22.23                     |                        |
| 10              | 16QAM      | 25      | 12        | 22.40                    | 22.33                       | 22.29                     |                        |
| 10              | 16QAM      | 25      | 25        | 22.28                    | 22.33                       | 22.19                     | 23.2                   |
| 10              | 16QAM      | 50      | 0         | 22.28                    | 22.32                       | 22.14                     |                        |
| 10              | 64QAM      | 1       | 0         | 22.41                    | 22.41                       | 22.43                     |                        |
| 10              | 64QAM      | 1       | 25        | 22.59                    | 22.53                       | 22.60                     | 22.2                   |
| 10              | 64QAM      | 1       | 49        | 22.34                    | 22.34                       | 22.31                     |                        |
| 10              | 64QAM      | 25      | 0         | 21.36                    | 21.25                       | 21.24                     |                        |
| 10              | 64QAM      | 25      | 12        | 21.31                    | 21.36                       | 21.21                     | 20.2                   |
| 10              | 64QAM      | 25      | 25        | 21.25                    | 21.24                       | 21.16                     |                        |
| 10              | 64QAM      | 50      | 0         | 21.29                    | 21.38                       | 21.26                     |                        |
| 10              | 256QAM     | 1       | 0         | 19.46                    | 19.39                       | 19.51                     | 20.2                   |
| 10              | 256QAM     | 1       | 25        | 19.42                    | 19.40                       | 19.31                     |                        |
| 10              | 256QAM     | 1       | 49        | 19.09                    | 19.35                       | 19.10                     |                        |
| 10              | 256QAM     | 25      | 0         | 19.33                    | 19.33                       | 19.29                     | 20.2                   |
| 10              | 256QAM     | 25      | 12        | 19.43                    | 19.30                       | 19.30                     |                        |



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|                 |        |    |    |       |       |       |                     |
|-----------------|--------|----|----|-------|-------|-------|---------------------|
| 10              | 256QAM | 25 | 25 | 19.50 | 19.30 | 19.25 | Tune-up limit (dBm) |
| 10              | 256QAM | 50 | 0  | 19.52 | 19.32 | 19.31 |                     |
| Channel         |        |    |    | 26715 | 26865 | 27015 | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 816.5 | 831.5 | 846.5 |                     |
| 5               | QPSK   | 1  | 0  | 24.23 | 24.28 | 24.22 | 25.2                |
| 5               | QPSK   | 1  | 12 | 24.28 | 24.22 | 24.18 |                     |
| 5               | QPSK   | 1  | 24 | 24.19 | 24.20 | 24.18 |                     |
| 5               | QPSK   | 12 | 0  | 23.28 | 23.18 | 23.34 | 24.2                |
| 5               | QPSK   | 12 | 7  | 23.33 | 23.41 | 23.35 |                     |
| 5               | QPSK   | 12 | 13 | 23.28 | 23.26 | 23.24 |                     |
| 5               | QPSK   | 25 | 0  | 23.34 | 23.31 | 23.27 |                     |
| 5               | 16QAM  | 1  | 0  | 23.41 | 23.48 | 23.54 | 24.2                |
| 5               | 16QAM  | 1  | 12 | 23.49 | 23.53 | 23.53 |                     |
| 5               | 16QAM  | 1  | 24 | 23.33 | 23.50 | 23.35 |                     |
| 5               | 16QAM  | 12 | 0  | 22.33 | 22.33 | 22.24 | 23.2                |
| 5               | 16QAM  | 12 | 7  | 22.34 | 22.38 | 22.27 |                     |
| 5               | 16QAM  | 12 | 13 | 22.34 | 22.34 | 22.23 |                     |
| 5               | 16QAM  | 25 | 0  | 22.37 | 22.31 | 22.23 |                     |
| 5               | 64QAM  | 1  | 0  | 22.38 | 22.42 | 22.46 | 23.2                |
| 5               | 64QAM  | 1  | 12 | 22.62 | 22.53 | 22.54 |                     |
| 5               | 64QAM  | 1  | 24 | 22.41 | 22.35 | 22.39 |                     |
| 5               | 64QAM  | 12 | 0  | 21.32 | 21.31 | 21.33 | 22.2                |
| 5               | 64QAM  | 12 | 7  | 21.30 | 21.38 | 21.28 |                     |
| 5               | 64QAM  | 12 | 13 | 21.26 | 21.30 | 21.26 |                     |
| 5               | 64QAM  | 25 | 0  | 21.38 | 21.35 | 21.16 |                     |
| 5               | 256QAM | 1  | 0  | 19.37 | 19.33 | 19.43 | 20.2                |
| 5               | 256QAM | 1  | 12 | 19.48 | 19.43 | 19.33 |                     |
| 5               | 256QAM | 1  | 24 | 19.13 | 19.29 | 19.18 |                     |
| 5               | 256QAM | 12 | 0  | 19.35 | 19.31 | 19.34 | 20.2                |
| 5               | 256QAM | 12 | 7  | 19.52 | 19.32 | 19.29 |                     |
| 5               | 256QAM | 12 | 13 | 19.55 | 19.25 | 19.30 |                     |
| 5               | 256QAM | 25 | 0  | 19.52 | 19.33 | 19.27 | Tune-up limit (dBm) |
| Channel         |        |    |    | 26705 | 26865 | 27025 |                     |
| Frequency (MHz) |        |    |    | 815.5 | 831.5 | 847.5 | Tune-up limit (dBm) |
| 3               | QPSK   | 1  | 0  | 24.24 | 24.22 | 24.32 |                     |
| 3               | QPSK   | 1  | 8  | 24.21 | 24.20 | 24.20 | 25.2                |
| 3               | QPSK   | 1  | 14 | 24.21 | 24.13 | 24.18 |                     |
| 3               | QPSK   | 8  | 0  | 23.27 | 23.22 | 23.33 | 24.2                |
| 3               | QPSK   | 8  | 4  | 23.37 | 23.33 | 23.33 |                     |
| 3               | QPSK   | 8  | 7  | 23.35 | 23.34 | 23.22 |                     |
| 3               | QPSK   | 15 | 0  | 23.39 | 23.38 | 23.27 |                     |
| 3               | 16QAM  | 1  | 0  | 23.43 | 23.51 | 23.53 | 24.2                |
| 3               | 16QAM  | 1  | 8  | 23.52 | 23.60 | 23.55 |                     |
| 3               | 16QAM  | 1  | 14 | 23.34 | 23.52 | 23.42 |                     |
| 3               | 16QAM  | 8  | 0  | 22.30 | 22.25 | 22.32 | 23.2                |
| 3               | 16QAM  | 8  | 4  | 22.41 | 22.40 | 22.31 |                     |
| 3               | 16QAM  | 8  | 7  | 22.32 | 22.28 | 22.24 |                     |
| 3               | 16QAM  | 15 | 0  | 22.33 | 22.30 | 22.15 |                     |
| 3               | 64QAM  | 1  | 0  | 22.42 | 22.35 | 22.37 | 23.2                |
| 3               | 64QAM  | 1  | 8  | 22.57 | 22.60 | 22.52 |                     |
| 3               | 64QAM  | 1  | 14 | 22.39 | 22.28 | 22.40 |                     |
| 3               | 64QAM  | 8  | 0  | 21.29 | 21.32 | 21.26 | 22.2                |
| 3               | 64QAM  | 8  | 4  | 21.30 | 21.40 | 21.26 |                     |
| 3               | 64QAM  | 8  | 7  | 21.29 | 21.31 | 21.16 |                     |
| 3               | 64QAM  | 15 | 0  | 21.31 | 21.39 | 21.26 |                     |
| 3               | 256QAM | 1  | 0  | 19.44 | 19.30 | 19.42 | 20.2                |
| 3               | 256QAM | 1  | 8  | 19.44 | 19.41 | 19.33 |                     |
| 3               | 256QAM | 1  | 14 | 19.16 | 19.29 | 19.18 |                     |
| 3               | 256QAM | 8  | 0  | 19.30 | 19.34 | 19.32 | 20.2                |
| 3               | 256QAM | 8  | 4  | 19.53 | 19.36 | 19.36 |                     |
| 3               | 256QAM | 8  | 7  | 19.49 | 19.27 | 19.25 |                     |
| 3               | 256QAM | 15 | 0  | 19.55 | 19.31 | 19.29 | Tune-up limit (dBm) |
| Channel         |        |    |    | 26697 | 26865 | 27033 |                     |



# FCC SAR TEST REPORT

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| Frequency (MHz) |        |   |   | 814.7 | 831.5 | 848.3 | (dBm) |
|-----------------|--------|---|---|-------|-------|-------|-------|
| 1.4             | QPSK   | 1 | 0 | 24.29 | 24.26 | 24.24 | 25.2  |
| 1.4             | QPSK   | 1 | 3 | 24.19 | 24.27 | 24.25 |       |
| 1.4             | QPSK   | 1 | 5 | 24.15 | 24.14 | 24.19 |       |
| 1.4             | QPSK   | 3 | 0 | 24.17 | 24.11 | 24.09 |       |
| 1.4             | QPSK   | 3 | 1 | 24.03 | 24.10 | 24.09 |       |
| 1.4             | QPSK   | 3 | 3 | 23.95 | 24.02 | 24.09 |       |
| 1.4             | QPSK   | 6 | 0 | 23.36 | 23.25 | 23.36 | 24.2  |
| 1.4             | 16QAM  | 1 | 0 | 23.29 | 23.31 | 23.32 | 24.2  |
| 1.4             | 16QAM  | 1 | 3 | 23.25 | 23.31 | 23.23 |       |
| 1.4             | 16QAM  | 1 | 5 | 23.37 | 23.36 | 23.21 |       |
| 1.4             | 16QAM  | 3 | 0 | 23.43 | 23.53 | 23.56 |       |
| 1.4             | 16QAM  | 3 | 1 | 23.55 | 23.55 | 23.53 |       |
| 1.4             | 16QAM  | 3 | 3 | 23.40 | 23.51 | 23.36 |       |
| 1.4             | 16QAM  | 6 | 0 | 22.35 | 22.25 | 22.27 | 23.2  |
| 1.4             | 64QAM  | 1 | 0 | 22.41 | 22.36 | 22.25 | 23.2  |
| 1.4             | 64QAM  | 1 | 3 | 22.31 | 22.30 | 22.23 |       |
| 1.4             | 64QAM  | 1 | 5 | 22.34 | 22.30 | 22.22 |       |
| 1.4             | 64QAM  | 3 | 0 | 22.39 | 22.41 | 22.39 |       |
| 1.4             | 64QAM  | 3 | 1 | 22.56 | 22.61 | 22.55 |       |
| 1.4             | 64QAM  | 3 | 3 | 22.36 | 22.32 | 22.34 |       |
| 1.4             | 64QAM  | 6 | 0 | 21.27 | 21.22 | 21.28 | 22.2  |
| 1.4             | 256QAM | 1 | 0 | 19.38 | 19.38 | 19.41 | 20.2  |
| 1.4             | 256QAM | 1 | 3 | 19.45 | 19.42 | 19.36 |       |
| 1.4             | 256QAM | 1 | 5 | 19.19 | 19.34 | 19.20 |       |
| 1.4             | 256QAM | 3 | 0 | 19.30 | 19.30 | 19.27 |       |
| 1.4             | 256QAM | 3 | 1 | 19.48 | 19.35 | 19.32 |       |
| 1.4             | 256QAM | 3 | 3 | 19.53 | 19.23 | 19.32 |       |
| 1.4             | 256QAM | 6 | 0 | 19.51 | 19.32 | 19.25 | 20.2  |



<LTE Band 30\_Ant 5\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 27710                 |                          |                        |                     |
| Frequency (MHz) |            |         |           | 2310                  |                          |                        |                     |
| 10              | QPSK       | 1       | 0         |                       | 23.85                    |                        | 24.4                |
| 10              | QPSK       | 1       | 25        |                       | 23.79                    |                        |                     |
| 10              | QPSK       | 1       | 49        |                       | 23.74                    |                        |                     |
| 10              | QPSK       | 25      | 0         |                       | 22.89                    |                        | 23.4                |
| 10              | QPSK       | 25      | 12        |                       | 22.82                    |                        |                     |
| 10              | QPSK       | 25      | 25        |                       | 22.79                    |                        |                     |
| 10              | QPSK       | 50      | 0         |                       | 22.77                    |                        | 23.4                |
| 10              | 16QAM      | 1       | 0         |                       | 23.10                    |                        |                     |
| 10              | 16QAM      | 1       | 25        |                       | 23.03                    |                        |                     |
| 10              | 16QAM      | 1       | 49        |                       | 22.93                    |                        | 22.4                |
| 10              | 16QAM      | 25      | 0         |                       | 21.87                    |                        |                     |
| 10              | 16QAM      | 25      | 12        |                       | 21.79                    |                        |                     |
| 10              | 16QAM      | 25      | 25        |                       | 21.77                    |                        | 22.4                |
| 10              | 16QAM      | 50      | 0         |                       | 21.76                    |                        |                     |
| 10              | 64QAM      | 1       | 0         |                       | 22.05                    |                        |                     |
| 10              | 64QAM      | 1       | 25        |                       | 22.04                    |                        | 22.4                |
| 10              | 64QAM      | 1       | 49        |                       | 21.89                    |                        |                     |
| 10              | 64QAM      | 25      | 0         |                       | 20.91                    |                        |                     |
| 10              | 64QAM      | 25      | 12        |                       | 20.83                    |                        | 21.4                |
| 10              | 64QAM      | 25      | 25        |                       | 20.80                    |                        |                     |
| 10              | 64QAM      | 50      | 0         |                       | 20.82                    |                        |                     |
| 10              | 256QAM     | 1       | 0         |                       | 18.91                    |                        | 19.4                |
| 10              | 256QAM     | 1       | 25        |                       | 18.93                    |                        |                     |
| 10              | 256QAM     | 1       | 49        |                       | 18.81                    |                        |                     |
| 10              | 256QAM     | 25      | 0         |                       | 18.85                    |                        | 19.4                |
| 10              | 256QAM     | 25      | 12        |                       | 18.85                    |                        |                     |
| 10              | 256QAM     | 25      | 25        |                       | 18.78                    |                        |                     |
| 10              | 256QAM     | 50      | 0         |                       | 18.80                    |                        |                     |
| Channel         |            |         |           | 27685                 | 27710                    | 27735                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2307.5                | 2310                     | 2312.5                 |                     |
| 5               | QPSK       | 1       | 0         | 23.75                 | 23.74                    | 23.74                  | 24.4                |
| 5               | QPSK       | 1       | 12        | 23.69                 | 23.59                    | 23.69                  |                     |
| 5               | QPSK       | 1       | 24        | 23.60                 | 23.56                    | 23.60                  |                     |
| 5               | QPSK       | 12      | 0         | 22.75                 | 22.76                    | 22.72                  | 23.4                |
| 5               | QPSK       | 12      | 7         | 22.71                 | 22.72                    | 22.64                  |                     |
| 5               | QPSK       | 12      | 13        | 22.64                 | 22.67                    | 22.63                  |                     |
| 5               | QPSK       | 25      | 0         | 22.58                 | 22.61                    | 22.57                  | 23.4                |
| 5               | 16QAM      | 1       | 0         | 22.96                 | 22.99                    | 22.95                  |                     |
| 5               | 16QAM      | 1       | 12        | 22.89                 | 22.92                    | 22.88                  |                     |
| 5               | 16QAM      | 1       | 24        | 22.78                 | 22.74                    | 22.80                  | 22.4                |
| 5               | 16QAM      | 12      | 0         | 21.70                 | 21.72                    | 21.71                  |                     |
| 5               | 16QAM      | 12      | 7         | 21.69                 | 21.63                    | 21.68                  |                     |
| 5               | 16QAM      | 12      | 13        | 21.65                 | 21.57                    | 21.59                  | 22.4                |
| 5               | 16QAM      | 25      | 0         | 21.58                 | 21.56                    | 21.60                  |                     |
| 5               | 64QAM      | 1       | 0         | 21.95                 | 21.86                    | 21.95                  |                     |
| 5               | 64QAM      | 1       | 12        | 21.91                 | 21.92                    | 21.88                  | 22.4                |
| 5               | 64QAM      | 1       | 24        | 21.76                 | 21.77                    | 21.74                  |                     |
| 5               | 64QAM      | 12      | 0         | 20.76                 | 20.71                    | 20.76                  |                     |
| 5               | 64QAM      | 12      | 7         | 20.70                 | 20.69                    | 20.72                  | 21.4                |
| 5               | 64QAM      | 12      | 13        | 20.60                 | 20.68                    | 20.63                  |                     |
| 5               | 64QAM      | 25      | 0         | 20.69                 | 20.65                    | 20.71                  |                     |
| 5               | 256QAM     | 1       | 0         | 18.80                 | 18.78                    | 18.79                  | 19.4                |
| 5               | 256QAM     | 1       | 12        | 18.80                 | 18.77                    | 18.80                  |                     |
| 5               | 256QAM     | 1       | 24        | 18.64                 | 18.70                    | 18.71                  |                     |
| 5               | 256QAM     | 12      | 0         | 18.65                 | 18.70                    | 18.65                  | 19.4                |
| 5               | 256QAM     | 12      | 7         | 18.73                 | 18.70                    | 18.74                  |                     |
| 5               | 256QAM     | 12      | 13        | 18.67                 | 18.58                    | 18.60                  |                     |
| 5               | 256QAM     | 25      | 0         | 18.62                 | 18.70                    | 18.60                  |                     |

**<LTE Band 38\_Ant 5\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 37850                    | 38000                       | 38150                     |                        |
| Frequency (MHz) |            |         |           | 2580                     | 2595                        | 2610                      |                        |
| 20              | QPSK       | 1       | 0         | 23.34                    | 23.38                       | 23.51                     |                        |
| 20              | QPSK       | 1       | 49        | 23.34                    | 23.34                       | 23.48                     | 24.5                   |
| 20              | QPSK       | 1       | 99        | 23.40                    | 23.42                       | 23.41                     |                        |
| 20              | QPSK       | 50      | 0         | 22.42                    | 22.44                       | 22.50                     |                        |
| 20              | QPSK       | 50      | 24        | 22.35                    | 22.44                       | 22.50                     | 24.2                   |
| 20              | QPSK       | 50      | 50        | 22.38                    | 22.44                       | 22.58                     |                        |
| 20              | QPSK       | 100     | 0         | 22.34                    | 22.46                       | 22.49                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.67                    | 22.71                       | 22.82                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 22.66                    | 22.69                       | 22.78                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.61                    | 22.59                       | 22.71                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.47                    | 21.45                       | 21.50                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 21.38                    | 21.49                       | 21.52                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.37                    | 21.46                       | 21.58                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.37                    | 21.47                       | 21.50                     | 23.2                   |
| 20              | 64QAM      | 1       | 0         | 21.54                    | 21.60                       | 21.68                     |                        |
| 20              | 64QAM      | 1       | 49        | 21.61                    | 21.58                       | 21.70                     |                        |
| 20              | 64QAM      | 1       | 99        | 21.50                    | 21.52                       | 21.64                     | 22.2                   |
| 20              | 64QAM      | 50      | 0         | 20.43                    | 20.48                       | 20.52                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.40                    | 20.48                       | 20.52                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.39                    | 20.47                       | 20.58                     | 20.2                   |
| 20              | 64QAM      | 100     | 0         | 20.37                    | 20.48                       | 20.52                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.44                    | 18.62                       | 18.55                     |                        |
| 20              | 256QAM     | 1       | 49        | 18.54                    | 18.55                       | 18.49                     | 20.2                   |
| 20              | 256QAM     | 1       | 99        | 18.52                    | 18.60                       | 18.48                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.52                    | 18.43                       | 18.41                     |                        |
| 20              | 256QAM     | 50      | 24        | 18.37                    | 18.38                       | 18.40                     | 20.2                   |
| 20              | 256QAM     | 50      | 50        | 18.38                    | 18.32                       | 18.44                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.34                    | 18.40                       | 18.42                     |                        |
| Channel         |            |         |           | 37825                    | 38000                       | 38175                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2577.5                   | 2595                        | 2612.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.26                    | 23.36                       | 23.46                     |                        |
| 15              | QPSK       | 1       | 37        | 23.30                    | 23.33                       | 23.47                     | 24.5                   |
| 15              | QPSK       | 1       | 74        | 23.37                    | 23.33                       | 23.36                     |                        |
| 15              | QPSK       | 36      | 0         | 22.40                    | 22.38                       | 22.42                     |                        |
| 15              | QPSK       | 36      | 20        | 22.32                    | 22.41                       | 22.39                     | 24.2                   |
| 15              | QPSK       | 36      | 39        | 22.29                    | 22.33                       | 22.48                     |                        |
| 15              | QPSK       | 75      | 0         | 22.29                    | 22.38                       | 22.43                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.61                    | 22.64                       | 22.81                     | 24.2                   |
| 15              | 16QAM      | 1       | 37        | 22.58                    | 22.64                       | 22.70                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.57                    | 22.58                       | 22.61                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.38                    | 21.34                       | 21.43                     | 23.2                   |
| 15              | 16QAM      | 36      | 20        | 21.31                    | 21.41                       | 21.42                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.27                    | 21.45                       | 21.52                     |                        |
| 15              | 16QAM      | 75      | 0         | 21.34                    | 21.36                       | 21.41                     | 23.2                   |
| 15              | 64QAM      | 1       | 0         | 21.49                    | 21.50                       | 21.62                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.55                    | 21.47                       | 21.62                     |                        |
| 15              | 64QAM      | 1       | 74        | 21.40                    | 21.50                       | 21.57                     | 22.2                   |
| 15              | 64QAM      | 36      | 0         | 20.33                    | 20.38                       | 20.43                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.39                    | 20.46                       | 20.50                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.28                    | 20.36                       | 20.54                     | 20.2                   |
| 15              | 64QAM      | 75      | 0         | 20.31                    | 20.41                       | 20.47                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.36                    | 18.55                       | 18.54                     |                        |
| 15              | 256QAM     | 1       | 37        | 18.53                    | 18.44                       | 18.39                     | 20.2                   |
| 15              | 256QAM     | 1       | 74        | 18.43                    | 18.50                       | 18.37                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.45                    | 18.33                       | 18.33                     |                        |
| 15              | 256QAM     | 36      | 20        | 18.36                    | 18.27                       | 18.34                     | 20.2                   |
| 15              | 256QAM     | 36      | 39        | 18.28                    | 18.29                       | 18.42                     |                        |



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|                 |        |    |    |        |       |        |                        |
|-----------------|--------|----|----|--------|-------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 18.33  | 18.37 | 18.31  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 37800  | 38000 | 38200  |                        |
| Frequency (MHz) |        |    |    | 2575   | 2595  | 2615   |                        |
| 10              | QPSK   | 1  | 0  | 23.24  | 23.33 | 23.44  | 24.5                   |
| 10              | QPSK   | 1  | 25 | 23.25  | 23.25 | 23.44  |                        |
| 10              | QPSK   | 1  | 49 | 23.34  | 23.38 | 23.37  |                        |
| 10              | QPSK   | 25 | 0  | 22.41  | 22.39 | 22.47  | 24.2                   |
| 10              | QPSK   | 25 | 12 | 22.31  | 22.33 | 22.47  |                        |
| 10              | QPSK   | 25 | 25 | 22.28  | 22.33 | 22.50  |                        |
| 10              | QPSK   | 50 | 0  | 22.25  | 22.45 | 22.39  |                        |
| 10              | 16QAM  | 1  | 0  | 22.61  | 22.63 | 22.79  | 24.2                   |
| 10              | 16QAM  | 1  | 25 | 22.61  | 22.58 | 22.69  |                        |
| 10              | 16QAM  | 1  | 49 | 22.51  | 22.48 | 22.61  |                        |
| 10              | 16QAM  | 25 | 0  | 21.41  | 21.43 | 21.45  | 23.2                   |
| 10              | 16QAM  | 25 | 12 | 21.27  | 21.47 | 21.42  |                        |
| 10              | 16QAM  | 25 | 25 | 21.28  | 21.36 | 21.49  |                        |
| 10              | 16QAM  | 50 | 0  | 21.32  | 21.36 | 21.39  |                        |
| 10              | 64QAM  | 1  | 0  | 21.52  | 21.52 | 21.67  | 23.2                   |
| 10              | 64QAM  | 1  | 25 | 21.54  | 21.54 | 21.64  |                        |
| 10              | 64QAM  | 1  | 49 | 21.39  | 21.44 | 21.60  |                        |
| 10              | 64QAM  | 25 | 0  | 20.40  | 20.45 | 20.50  | 22.2                   |
| 10              | 64QAM  | 25 | 12 | 20.33  | 20.47 | 20.41  |                        |
| 10              | 64QAM  | 25 | 25 | 20.35  | 20.38 | 20.48  |                        |
| 10              | 64QAM  | 50 | 0  | 20.33  | 20.44 | 20.48  |                        |
| 10              | 256QAM | 1  | 0  | 18.43  | 18.59 | 18.48  | 20.2                   |
| 10              | 256QAM | 1  | 25 | 18.48  | 18.53 | 18.42  |                        |
| 10              | 256QAM | 1  | 49 | 18.42  | 18.53 | 18.47  |                        |
| 10              | 256QAM | 25 | 0  | 18.41  | 18.41 | 18.38  | 20.2                   |
| 10              | 256QAM | 25 | 12 | 18.34  | 18.27 | 18.37  |                        |
| 10              | 256QAM | 25 | 25 | 18.28  | 18.29 | 18.43  |                        |
| 10              | 256QAM | 50 | 0  | 18.26  | 18.36 | 18.32  |                        |
| Channel         |        |    |    | 37775  | 38000 | 38225  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 2572.5 | 2595  | 2617.5 |                        |
| 5               | QPSK   | 1  | 0  | 23.27  | 23.27 | 23.50  | 24.5                   |
| 5               | QPSK   | 1  | 12 | 23.28  | 23.28 | 23.40  |                        |
| 5               | QPSK   | 1  | 24 | 23.38  | 23.31 | 23.30  |                        |
| 5               | QPSK   | 12 | 0  | 22.40  | 22.36 | 22.42  | 24.2                   |
| 5               | QPSK   | 12 | 7  | 22.32  | 22.33 | 22.46  |                        |
| 5               | QPSK   | 12 | 13 | 22.27  | 22.41 | 22.53  |                        |
| 5               | QPSK   | 25 | 0  | 22.23  | 22.39 | 22.48  |                        |
| 5               | 16QAM  | 1  | 0  | 22.59  | 22.62 | 22.76  | 24.2                   |
| 5               | 16QAM  | 1  | 12 | 22.64  | 22.64 | 22.69  |                        |
| 5               | 16QAM  | 1  | 24 | 22.54  | 22.58 | 22.70  |                        |
| 5               | 16QAM  | 12 | 0  | 21.46  | 21.42 | 21.48  | 23.2                   |
| 5               | 16QAM  | 12 | 7  | 21.30  | 21.40 | 21.43  |                        |
| 5               | 16QAM  | 12 | 13 | 21.30  | 21.38 | 21.48  |                        |
| 5               | 16QAM  | 25 | 0  | 21.27  | 21.45 | 21.48  |                        |
| 5               | 64QAM  | 1  | 0  | 21.52  | 21.54 | 21.62  | 23.2                   |
| 5               | 64QAM  | 1  | 12 | 21.56  | 21.55 | 21.61  |                        |
| 5               | 64QAM  | 1  | 24 | 21.47  | 21.41 | 21.60  |                        |
| 5               | 64QAM  | 12 | 0  | 20.35  | 20.46 | 20.44  | 22.2                   |
| 5               | 64QAM  | 12 | 7  | 20.31  | 20.47 | 20.48  |                        |
| 5               | 64QAM  | 12 | 13 | 20.36  | 20.39 | 20.52  |                        |
| 5               | 64QAM  | 25 | 0  | 20.28  | 20.38 | 20.48  |                        |
| 5               | 256QAM | 1  | 0  | 18.43  | 18.51 | 18.49  | 20.2                   |
| 5               | 256QAM | 1  | 12 | 18.50  | 18.49 | 18.38  |                        |
| 5               | 256QAM | 1  | 24 | 18.51  | 18.55 | 18.45  |                        |
| 5               | 256QAM | 12 | 0  | 18.50  | 18.38 | 18.33  | 20.2                   |
| 5               | 256QAM | 12 | 7  | 18.32  | 18.34 | 18.32  |                        |
| 5               | 256QAM | 12 | 13 | 18.30  | 18.29 | 18.33  |                        |
| 5               | 256QAM | 25 | 0  | 18.24  | 18.36 | 18.38  |                        |



&lt;LTE Band 41\_Ant 5\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|
| Channel         |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  |                     |
| Frequency (MHz) |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |
| 20              | QPSK       | 1       | 0         | 23.35                 | 22.85                        | 23.16                    | 23.52                         | 23.79                  | 24.5                |
| 20              | QPSK       | 1       | 49        | 23.27                 | 22.83                        | 23.16                    | 23.40                         | 23.68                  |                     |
| 20              | QPSK       | 1       | 99        | 23.15                 | 22.73                        | 23.16                    | 23.55                         | 23.69                  |                     |
| 20              | QPSK       | 50      | 0         | 22.35                 | 21.81                        | 22.10                    | 22.43                         | 22.84                  | 23.5                |
| 20              | QPSK       | 50      | 24        | 22.37                 | 21.88                        | 22.20                    | 22.58                         | 22.85                  |                     |
| 20              | QPSK       | 50      | 50        | 22.18                 | 21.85                        | 22.14                    | 22.49                         | 22.78                  |                     |
| 20              | QPSK       | 100     | 0         | 22.38                 | 21.85                        | 22.22                    | 22.54                         | 22.80                  | 23.5                |
| 20              | 16QAM      | 1       | 0         | 22.29                 | 21.95                        | 22.12                    | 22.46                         | 22.77                  |                     |
| 20              | 16QAM      | 1       | 49        | 22.27                 | 21.99                        | 22.13                    | 22.39                         | 22.71                  |                     |
| 20              | 16QAM      | 1       | 99        | 22.11                 | 22.19                        | 22.17                    | 22.54                         | 22.68                  | 22.5                |
| 20              | 16QAM      | 50      | 0         | 21.44                 | 20.94                        | 21.13                    | 21.38                         | 21.85                  |                     |
| 20              | 16QAM      | 50      | 24        | 21.37                 | 20.87                        | 21.16                    | 21.56                         | 21.81                  |                     |
| 20              | 16QAM      | 50      | 50        | 21.19                 | 20.84                        | 21.15                    | 21.52                         | 21.71                  | 22.5                |
| 20              | 16QAM      | 100     | 0         | 21.40                 | 20.81                        | 21.20                    | 21.50                         | 21.79                  |                     |
| 20              | 64QAM      | 1       | 0         | 21.33                 | 20.85                        | 21.12                    | 21.37                         | 21.85                  |                     |
| 20              | 64QAM      | 1       | 49        | 21.27                 | 20.91                        | 21.06                    | 21.45                         | 21.72                  | 21.5                |
| 20              | 64QAM      | 1       | 99        | 21.07                 | 20.87                        | 21.21                    | 21.60                         | 21.75                  |                     |
| 20              | 64QAM      | 50      | 0         | 20.39                 | 19.97                        | 20.16                    | 20.42                         | 20.76                  |                     |
| 20              | 64QAM      | 50      | 24        | 20.45                 | 19.84                        | 20.25                    | 20.50                         | 20.83                  | 19.5                |
| 20              | 64QAM      | 50      | 50        | 20.30                 | 19.88                        | 20.22                    | 20.57                         | 20.73                  |                     |
| 20              | 64QAM      | 100     | 0         | 20.32                 | 19.84                        | 20.18                    | 20.51                         | 20.78                  |                     |
| 20              | 256QAM     | 1       | 0         | 18.49                 | 18.09                        | 18.18                    | 18.52                         | 18.89                  | 19.5                |
| 20              | 256QAM     | 1       | 49        | 18.34                 | 18.30                        | 18.29                    | 18.56                         | 18.84                  |                     |
| 20              | 256QAM     | 1       | 99        | 18.29                 | 18.26                        | 18.37                    | 18.64                         | 18.70                  |                     |
| 20              | 256QAM     | 50      | 0         | 18.40                 | 18.27                        | 18.27                    | 18.46                         | 18.79                  | 19.5                |
| 20              | 256QAM     | 50      | 24        | 18.46                 | 18.36                        | 18.36                    | 18.60                         | 18.90                  |                     |
| 20              | 256QAM     | 50      | 50        | 18.35                 | 18.14                        | 18.29                    | 18.55                         | 18.75                  |                     |
| 20              | 256QAM     | 100     | 0         | 18.49                 | 18.20                        | 18.30                    | 18.56                         | 18.86                  |                     |
| Channel         |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 |                     |
| 15              | QPSK       | 1       | 0         | 23.15                 | 22.72                        | 22.98                    | 23.42                         | 23.68                  | 24.50               |
| 15              | QPSK       | 1       | 37        | 23.08                 | 22.72                        | 23.00                    | 23.26                         | 23.58                  |                     |
| 15              | QPSK       | 1       | 74        | 23.03                 | 22.59                        | 22.98                    | 23.41                         | 23.52                  |                     |
| 15              | QPSK       | 36      | 0         | 22.20                 | 21.70                        | 21.96                    | 22.24                         | 22.70                  | 23.5                |
| 15              | QPSK       | 36      | 20        | 22.18                 | 21.75                        | 22.00                    | 22.40                         | 22.70                  |                     |
| 15              | QPSK       | 36      | 39        | 22.01                 | 21.68                        | 21.97                    | 22.37                         | 22.63                  |                     |
| 15              | QPSK       | 75      | 0         | 22.22                 | 21.67                        | 22.04                    | 22.43                         | 22.64                  | 23.5                |
| 15              | 16QAM      | 1       | 0         | 22.12                 | 21.78                        | 21.99                    | 22.30                         | 22.60                  |                     |
| 15              | 16QAM      | 1       | 37        | 22.08                 | 21.89                        | 21.95                    | 22.22                         | 22.57                  |                     |
| 15              | 16QAM      | 1       | 74        | 21.99                 | 22.04                        | 22.06                    | 22.36                         | 22.55                  | 22.5                |
| 15              | 16QAM      | 36      | 0         | 21.26                 | 20.74                        | 21.00                    | 21.19                         | 21.67                  |                     |
| 15              | 16QAM      | 36      | 20        | 21.23                 | 20.73                        | 21.01                    | 21.45                         | 21.61                  |                     |
| 15              | 16QAM      | 36      | 39        | 21.07                 | 20.73                        | 21.01                    | 21.41                         | 21.58                  | 22.5                |
| 15              | 16QAM      | 75      | 0         | 21.24                 | 20.64                        | 21.06                    | 21.36                         | 21.61                  |                     |
| 15              | 64QAM      | 1       | 0         | 21.19                 | 20.69                        | 21.01                    | 21.17                         | 21.74                  |                     |
| 15              | 64QAM      | 1       | 37        | 21.13                 | 20.72                        | 20.90                    | 21.33                         | 21.58                  | 21.5                |
| 15              | 64QAM      | 1       | 74        | 20.89                 | 20.77                        | 21.09                    | 21.40                         | 21.62                  |                     |
| 15              | 64QAM      | 36      | 0         | 20.22                 | 19.85                        | 20.01                    | 20.28                         | 20.66                  |                     |
| 15              | 64QAM      | 36      | 20        | 20.26                 | 19.69                        | 20.10                    | 20.31                         | 20.72                  | 19.5                |
| 15              | 64QAM      | 36      | 39        | 20.19                 | 19.75                        | 20.12                    | 20.41                         | 20.53                  |                     |
| 15              | 64QAM      | 75      | 0         | 20.16                 | 19.72                        | 20.01                    | 20.34                         | 20.66                  |                     |
| 15              | 256QAM     | 1       | 0         | 18.29                 | 17.89                        | 17.98                    | 18.32                         | 18.78                  | 19.5                |
| 15              | 256QAM     | 1       | 37        | 18.24                 | 18.18                        | 18.19                    | 18.44                         | 18.73                  |                     |
| 15              | 256QAM     | 1       | 74        | 18.14                 | 18.16                        | 18.23                    | 18.49                         | 18.59                  |                     |
| 15              | 256QAM     | 36      | 0         | 18.26                 | 18.13                        | 18.08                    | 18.30                         | 18.63                  | 19.5                |
| 15              | 256QAM     | 36      | 20        | 18.31                 | 18.26                        | 18.16                    | 18.40                         | 18.72                  |                     |
| 15              | 256QAM     | 36      | 39        | 18.23                 | 18.02                        | 18.10                    | 18.39                         | 18.63                  |                     |
| 15              | 256QAM     | 75      | 0         | 18.31                 | 18.10                        | 18.11                    | 18.43                         | 18.76                  |                     |



# FCC SAR TEST REPORT

Report No. : FA411111B

| Channel         |        |    |    | 39700  | 40160  | 40620 | 41080   | 41540  | Tune-up limit (dBm) |
|-----------------|--------|----|----|--------|--------|-------|---------|--------|---------------------|
| Frequency (MHz) |        |    |    | 2501   | 2547   | 2593  | 2639    | 2685   |                     |
| 10              | QPSK   | 1  | 0  | 23.21  | 22.68  | 22.96 | 23.35   | 23.60  | 24.50               |
| 10              | QPSK   | 1  | 25 | 23.11  | 22.68  | 23.02 | 23.28   | 23.58  |                     |
| 10              | QPSK   | 1  | 49 | 23.05  | 22.62  | 22.97 | 23.43   | 23.59  |                     |
| 10              | QPSK   | 25 | 0  | 22.25  | 21.66  | 21.91 | 22.33   | 22.68  | 23.5                |
| 10              | QPSK   | 25 | 12 | 22.20  | 21.68  | 22.10 | 22.47   | 22.63  |                     |
| 10              | QPSK   | 25 | 25 | 22.05  | 21.74  | 22.02 | 22.30   | 22.63  |                     |
| 10              | QPSK   | 50 | 0  | 22.18  | 21.75  | 22.03 | 22.39   | 22.66  | 23.5                |
| 10              | 16QAM  | 1  | 0  | 22.18  | 21.80  | 22.02 | 22.26   | 22.65  |                     |
| 10              | 16QAM  | 1  | 25 | 22.16  | 21.89  | 21.96 | 22.21   | 22.61  |                     |
| 10              | 16QAM  | 1  | 49 | 21.91  | 22.06  | 21.97 | 22.39   | 22.57  | 22.5                |
| 10              | 16QAM  | 25 | 0  | 21.31  | 20.79  | 20.96 | 21.21   | 21.73  |                     |
| 10              | 16QAM  | 25 | 12 | 21.19  | 20.72  | 20.97 | 21.38   | 21.63  |                     |
| 10              | 16QAM  | 25 | 25 | 21.04  | 20.66  | 21.02 | 21.40   | 21.59  | 22.5                |
| 10              | 16QAM  | 50 | 0  | 21.27  | 20.65  | 21.00 | 21.33   | 21.67  |                     |
| 10              | 64QAM  | 1  | 0  | 21.17  | 20.67  | 21.01 | 21.21   | 21.66  |                     |
| 10              | 64QAM  | 1  | 25 | 21.08  | 20.76  | 20.88 | 21.26   | 21.59  | 22.5                |
| 10              | 64QAM  | 1  | 49 | 20.94  | 20.75  | 21.03 | 21.46   | 21.65  |                     |
| 10              | 64QAM  | 25 | 0  | 20.23  | 19.82  | 20.05 | 20.30   | 20.59  |                     |
| 10              | 64QAM  | 25 | 12 | 20.35  | 19.73  | 20.15 | 20.31   | 20.73  | 21.5                |
| 10              | 64QAM  | 25 | 25 | 20.10  | 19.76  | 20.08 | 20.47   | 20.55  |                     |
| 10              | 64QAM  | 50 | 0  | 20.16  | 19.67  | 20.06 | 20.35   | 20.60  |                     |
| 10              | 256QAM | 1  | 0  | 18.30  | 17.98  | 18.03 | 18.40   | 18.77  | 19.5                |
| 10              | 256QAM | 1  | 25 | 18.14  | 18.20  | 18.10 | 18.43   | 18.71  |                     |
| 10              | 256QAM | 1  | 49 | 18.19  | 18.12  | 18.27 | 18.52   | 18.59  |                     |
| 10              | 256QAM | 25 | 0  | 18.24  | 18.11  | 18.07 | 18.31   | 18.66  | 19.5                |
| 10              | 256QAM | 25 | 12 | 18.30  | 18.22  | 18.24 | 18.41   | 18.72  |                     |
| 10              | 256QAM | 25 | 25 | 18.20  | 18.04  | 18.09 | 18.38   | 18.58  |                     |
| 10              | 256QAM | 50 | 0  | 18.36  | 18.02  | 18.19 | 18.40   | 18.74  |                     |
| Channel         |        |    |    | 39675  | 40148  | 40620 | 41093   | 41565  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 2498.5 | 2545.8 | 2593  | 2640.30 | 2687.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.23  | 22.68  | 23.00 | 23.40   | 23.61  | 24.50               |
| 5               | QPSK   | 1  | 12 | 23.08  | 22.63  | 22.97 | 23.21   | 23.53  |                     |
| 5               | QPSK   | 1  | 24 | 22.97  | 22.59  | 23.03 | 23.43   | 23.53  |                     |
| 5               | QPSK   | 12 | 0  | 22.17  | 21.61  | 21.91 | 22.23   | 22.72  | 23.5                |
| 5               | QPSK   | 12 | 7  | 22.27  | 21.72  | 22.07 | 22.42   | 22.64  |                     |
| 5               | QPSK   | 12 | 13 | 22.06  | 21.68  | 21.99 | 22.34   | 22.59  |                     |
| 5               | QPSK   | 25 | 0  | 22.25  | 21.66  | 22.06 | 22.34   | 22.60  | 23.5                |
| 5               | 16QAM  | 1  | 0  | 22.09  | 21.82  | 21.96 | 22.32   | 22.67  |                     |
| 5               | 16QAM  | 1  | 12 | 22.16  | 21.79  | 22.00 | 22.19   | 22.52  |                     |
| 5               | 16QAM  | 1  | 24 | 22.01  | 22.01  | 22.07 | 22.40   | 22.56  | 22.5                |
| 5               | 16QAM  | 12 | 0  | 21.33  | 20.83  | 21.00 | 21.18   | 21.70  |                     |
| 5               | 16QAM  | 12 | 7  | 21.26  | 20.74  | 21.03 | 21.43   | 21.66  |                     |
| 5               | 16QAM  | 12 | 13 | 21.01  | 20.68  | 21.04 | 21.36   | 21.54  | 22.5                |
| 5               | 16QAM  | 25 | 0  | 21.28  | 20.69  | 21.04 | 21.40   | 21.63  |                     |
| 5               | 64QAM  | 1  | 0  | 21.20  | 20.73  | 21.01 | 21.22   | 21.71  |                     |
| 5               | 64QAM  | 1  | 12 | 21.10  | 20.80  | 20.94 | 21.34   | 21.55  | 22.5                |
| 5               | 64QAM  | 1  | 24 | 20.94  | 20.76  | 21.08 | 21.49   | 21.56  |                     |
| 5               | 64QAM  | 12 | 0  | 20.29  | 19.83  | 19.96 | 20.31   | 20.64  |                     |
| 5               | 64QAM  | 12 | 7  | 20.27  | 19.72  | 20.15 | 20.33   | 20.70  | 21.5                |
| 5               | 64QAM  | 12 | 13 | 20.15  | 19.78  | 20.12 | 20.39   | 20.63  |                     |
| 5               | 64QAM  | 25 | 0  | 20.13  | 19.67  | 19.98 | 20.33   | 20.67  |                     |
| 5               | 256QAM | 1  | 0  | 18.38  | 17.89  | 18.05 | 18.33   | 18.72  | 19.5                |
| 5               | 256QAM | 1  | 12 | 18.21  | 18.10  | 18.09 | 18.42   | 18.70  |                     |
| 5               | 256QAM | 1  | 24 | 18.13  | 18.14  | 18.27 | 18.46   | 18.59  |                     |
| 5               | 256QAM | 12 | 0  | 18.20  | 18.12  | 18.07 | 18.34   | 18.65  | 19.5                |
| 5               | 256QAM | 12 | 7  | 18.26  | 18.23  | 18.20 | 18.42   | 18.79  |                     |
| 5               | 256QAM | 12 | 13 | 18.20  | 17.99  | 18.11 | 18.39   | 18.62  |                     |
| 5               | 256QAM | 25 | 0  | 18.34  | 18.03  | 18.16 | 18.44   | 18.71  |                     |



&lt;LTE Band 41\_HPUE\_Ant 5\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|--------------------------|-------------------------------|------------------------|---------------------|
| Channel         |            |         |           | 39750                 | 40185                        | 40620                    | 41055                         | 41490                  | 26.1                |
| Frequency (MHz) |            |         |           | 2506                  | 2549.5                       | 2593                     | 2636.5                        | 2680                   |                     |
| 20              | QPSK       | 1       | 0         | 25.22                 | 24.88                        | 25.11                    | 25.35                         | 25.60                  | 26.1                |
| 20              | QPSK       | 1       | 49        | 25.26                 | 24.83                        | 25.09                    | 25.39                         | 25.52                  |                     |
| 20              | QPSK       | 1       | 99        | 25.08                 | 24.73                        | 24.99                    | 25.54                         | 25.58                  |                     |
| 20              | QPSK       | 50      | 0         | 24.35                 | 23.90                        | 24.09                    | 24.40                         | 24.73                  | 25.1                |
| 20              | QPSK       | 50      | 24        | 24.38                 | 23.94                        | 24.15                    | 24.47                         | 24.78                  |                     |
| 20              | QPSK       | 50      | 50        | 24.21                 | 23.89                        | 24.15                    | 24.52                         | 24.71                  |                     |
| 20              | QPSK       | 100     | 0         | 24.34                 | 23.87                        | 24.13                    | 24.48                         | 24.78                  | 25.1                |
| 20              | 16QAM      | 1       | 0         | 24.40                 | 24.20                        | 24.36                    | 24.70                         | 24.88                  |                     |
| 20              | 16QAM      | 1       | 49        | 24.52                 | 24.15                        | 24.36                    | 24.67                         | 24.76                  |                     |
| 20              | 16QAM      | 1       | 99        | 24.46                 | 24.09                        | 24.41                    | 24.74                         | 24.83                  | 24.1                |
| 20              | 16QAM      | 50      | 0         | 23.32                 | 22.94                        | 23.06                    | 23.40                         | 23.80                  |                     |
| 20              | 16QAM      | 50      | 24        | 23.35                 | 22.91                        | 23.16                    | 23.47                         | 23.75                  |                     |
| 20              | 16QAM      | 50      | 50        | 23.25                 | 22.84                        | 23.16                    | 23.52                         | 23.71                  | 24.1                |
| 20              | 16QAM      | 100     | 0         | 23.30                 | 22.91                        | 23.16                    | 23.49                         | 23.73                  |                     |
| 20              | 64QAM      | 1       | 0         | 23.58                 | 23.11                        | 23.32                    | 23.69                         | 23.80                  |                     |
| 20              | 64QAM      | 1       | 49        | 23.52                 | 23.12                        | 23.33                    | 23.74                         | 23.73                  | 23.1                |
| 20              | 64QAM      | 1       | 99        | 23.39                 | 23.01                        | 23.37                    | 23.76                         | 23.85                  |                     |
| 20              | 64QAM      | 50      | 0         | 22.40                 | 21.94                        | 22.13                    | 22.41                         | 22.84                  |                     |
| 20              | 64QAM      | 50      | 24        | 22.40                 | 21.89                        | 22.25                    | 22.51                         | 22.82                  | 21.1                |
| 20              | 64QAM      | 50      | 50        | 22.22                 | 21.88                        | 22.21                    | 22.46                         | 22.74                  |                     |
| 20              | 64QAM      | 100     | 0         | 22.39                 | 21.89                        | 22.15                    | 22.54                         | 22.76                  |                     |
| 20              | 256QAM     | 1       | 0         | 20.53                 | 20.09                        | 20.32                    | 20.69                         | 20.85                  | 21.1                |
| 20              | 256QAM     | 1       | 49        | 20.50                 | 20.11                        | 20.41                    | 20.71                         | 20.91                  |                     |
| 20              | 256QAM     | 1       | 99        | 20.38                 | 20.05                        | 20.47                    | 20.76                         | 20.85                  |                     |
| 20              | 256QAM     | 50      | 0         | 20.53                 | 20.04                        | 20.14                    | 20.57                         | 20.86                  | 21.1                |
| 20              | 256QAM     | 50      | 24        | 20.43                 | 20.38                        | 20.31                    | 20.64                         | 20.89                  |                     |
| 20              | 256QAM     | 50      | 50        | 20.35                 | 20.27                        | 20.27                    | 20.60                         | 20.75                  |                     |
| 20              | 256QAM     | 100     | 0         | 20.48                 | 20.30                        | 20.24                    | 20.59                         | 20.78                  | 26.10               |
| Channel         |            |         |           | 39725                 | 40173                        | 40620                    | 41068                         | 41515                  |                     |
| Frequency (MHz) |            |         |           | 2503.5                | 2548.3                       | 2593                     | 2637.8                        | 2682.5                 | 25.1                |
| 15              | QPSK       | 1       | 0         | 25.11                 | 24.68                        | 24.98                    | 25.25                         | 25.46                  |                     |
| 15              | QPSK       | 1       | 37        | 25.15                 | 24.68                        | 24.96                    | 25.24                         | 25.34                  | 25.1                |
| 15              | QPSK       | 1       | 74        | 24.94                 | 24.58                        | 24.89                    | 25.36                         | 25.39                  |                     |
| 15              | QPSK       | 36      | 0         | 24.15                 | 23.80                        | 23.89                    | 24.23                         | 24.53                  |                     |
| 15              | QPSK       | 36      | 20        | 24.24                 | 23.76                        | 23.98                    | 24.28                         | 24.58                  | 25.1                |
| 15              | QPSK       | 36      | 39        | 24.04                 | 23.74                        | 23.96                    | 24.39                         | 24.62                  |                     |
| 15              | QPSK       | 75      | 0         | 24.24                 | 23.77                        | 23.99                    | 24.35                         | 24.68                  |                     |
| 15              | 16QAM      | 1       | 0         | 24.24                 | 24.07                        | 24.23                    | 24.50                         | 24.68                  | 25.1                |
| 15              | 16QAM      | 1       | 37        | 24.40                 | 24.05                        | 24.22                    | 24.48                         | 24.62                  |                     |
| 15              | 16QAM      | 1       | 74        | 24.31                 | 23.96                        | 24.31                    | 24.55                         | 24.67                  |                     |
| 15              | 16QAM      | 36      | 0         | 23.12                 | 22.81                        | 22.91                    | 23.26                         | 23.67                  | 24.1                |
| 15              | 16QAM      | 36      | 20        | 23.20                 | 22.81                        | 22.98                    | 23.30                         | 23.60                  |                     |
| 15              | 16QAM      | 36      | 39        | 23.07                 | 22.72                        | 23.02                    | 23.42                         | 23.51                  |                     |
| 15              | 16QAM      | 75      | 0         | 23.17                 | 22.75                        | 22.99                    | 23.32                         | 23.60                  | 24.1                |
| 15              | 64QAM      | 1       | 0         | 23.40                 | 22.96                        | 23.12                    | 23.51                         | 23.60                  |                     |
| 15              | 64QAM      | 1       | 37        | 23.42                 | 22.98                        | 23.16                    | 23.59                         | 23.55                  |                     |
| 15              | 64QAM      | 1       | 74        | 23.20                 | 22.88                        | 23.25                    | 23.63                         | 23.72                  | 23.1                |
| 15              | 64QAM      | 36      | 0         | 22.20                 | 21.80                        | 21.97                    | 22.29                         | 22.73                  |                     |
| 15              | 64QAM      | 36      | 20        | 22.24                 | 21.72                        | 22.05                    | 22.33                         | 22.65                  |                     |
| 15              | 64QAM      | 36      | 39        | 22.09                 | 21.72                        | 22.06                    | 22.31                         | 22.62                  | 21.1                |
| 15              | 64QAM      | 75      | 0         | 22.20                 | 21.78                        | 21.95                    | 22.41                         | 22.56                  |                     |
| 15              | 256QAM     | 1       | 0         | 20.41                 | 19.98                        | 20.20                    | 20.52                         | 20.66                  |                     |
| 15              | 256QAM     | 1       | 37        | 20.32                 | 19.91                        | 20.29                    | 20.58                         | 20.80                  | 21.1                |
| 15              | 256QAM     | 1       | 74        | 20.24                 | 19.91                        | 20.32                    | 20.60                         | 20.68                  |                     |
| 15              | 256QAM     | 36      | 0         | 20.33                 | 19.88                        | 20.00                    | 20.43                         | 20.76                  |                     |
| 15              | 256QAM     | 36      | 20        | 20.31                 | 20.25                        | 20.16                    | 20.47                         | 20.69                  | 21.1                |
| 15              | 256QAM     | 36      | 39        | 20.21                 | 20.12                        | 20.09                    | 20.44                         | 20.58                  |                     |
| 15              | 256QAM     | 75      | 0         | 20.36                 | 20.15                        | 20.11                    | 20.40                         | 20.64                  |                     |



# FCC SAR TEST REPORT

Report No. : FA411111B

| Channel         |        |    |    | 39700  | 40160  | 40620 | 41080   | 41540  | Tune-up limit (dBm) |
|-----------------|--------|----|----|--------|--------|-------|---------|--------|---------------------|
| Frequency (MHz) |        |    |    | 2501   | 2547   | 2593  | 2639    | 2685   |                     |
| 10              | QPSK   | 1  | 0  | 25.05  | 24.72  | 24.99 | 25.17   | 25.40  | 26.10               |
| 10              | QPSK   | 1  | 25 | 25.06  | 24.63  | 24.93 | 25.19   | 25.36  |                     |
| 10              | QPSK   | 1  | 49 | 24.97  | 24.56  | 24.88 | 25.34   | 25.46  |                     |
| 10              | QPSK   | 25 | 0  | 24.18  | 23.80  | 23.94 | 24.25   | 24.59  | 25.1                |
| 10              | QPSK   | 25 | 12 | 24.27  | 23.81  | 24.01 | 24.30   | 24.67  |                     |
| 10              | QPSK   | 25 | 25 | 24.03  | 23.75  | 23.99 | 24.33   | 24.64  |                     |
| 10              | QPSK   | 50 | 0  | 24.15  | 23.75  | 23.96 | 24.28   | 24.64  | 25.1                |
| 10              | 16QAM  | 1  | 0  | 24.24  | 24.02  | 24.18 | 24.57   | 24.69  |                     |
| 10              | 16QAM  | 1  | 25 | 24.39  | 23.95  | 24.18 | 24.55   | 24.66  |                     |
| 10              | 16QAM  | 1  | 49 | 24.29  | 23.91  | 24.25 | 24.56   | 24.67  | 24.1                |
| 10              | 16QAM  | 25 | 0  | 23.22  | 22.74  | 22.92 | 23.27   | 23.60  |                     |
| 10              | 16QAM  | 25 | 12 | 23.24  | 22.78  | 23.03 | 23.29   | 23.57  |                     |
| 10              | 16QAM  | 25 | 25 | 23.05  | 22.64  | 22.96 | 23.37   | 23.60  | 24.1                |
| 10              | 16QAM  | 50 | 0  | 23.16  | 22.73  | 22.96 | 23.35   | 23.59  |                     |
| 10              | 64QAM  | 1  | 0  | 23.40  | 22.91  | 23.19 | 23.55   | 23.68  |                     |
| 10              | 64QAM  | 1  | 25 | 23.32  | 23.01  | 23.20 | 23.60   | 23.62  | 24.1                |
| 10              | 64QAM  | 1  | 49 | 23.24  | 22.85  | 23.26 | 23.60   | 23.65  |                     |
| 10              | 64QAM  | 25 | 0  | 22.28  | 21.82  | 21.96 | 22.28   | 22.74  |                     |
| 10              | 64QAM  | 25 | 12 | 22.26  | 21.74  | 22.05 | 22.33   | 22.63  | 23.1                |
| 10              | 64QAM  | 25 | 25 | 22.04  | 21.68  | 22.01 | 22.26   | 22.60  |                     |
| 10              | 64QAM  | 50 | 0  | 22.28  | 21.76  | 21.96 | 22.44   | 22.64  |                     |
| 10              | 256QAM | 1  | 0  | 20.33  | 19.99  | 20.20 | 20.58   | 20.75  | 21.1                |
| 10              | 256QAM | 1  | 25 | 20.36  | 20.00  | 20.24 | 20.59   | 20.81  |                     |
| 10              | 256QAM | 1  | 49 | 20.27  | 19.88  | 20.36 | 20.60   | 20.65  |                     |
| 10              | 256QAM | 25 | 0  | 20.33  | 19.85  | 20.03 | 20.41   | 20.69  | 21.1                |
| 10              | 256QAM | 25 | 12 | 20.28  | 20.24  | 20.20 | 20.53   | 20.72  |                     |
| 10              | 256QAM | 25 | 25 | 20.18  | 20.09  | 20.10 | 20.47   | 20.58  |                     |
| 10              | 256QAM | 50 | 0  | 20.31  | 20.19  | 20.09 | 20.44   | 20.61  |                     |
| Channel         |        |    |    | 39675  | 40148  | 40620 | 41093   | 41565  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 2498.5 | 2545.8 | 2593  | 2640.30 | 2687.5 |                     |
| 5               | QPSK   | 1  | 0  | 25.03  | 24.77  | 25.01 | 25.25   | 25.45  | 26.10               |
| 5               | QPSK   | 1  | 12 | 25.16  | 24.65  | 24.99 | 25.19   | 25.33  |                     |
| 5               | QPSK   | 1  | 24 | 24.98  | 24.63  | 24.80 | 25.35   | 25.43  |                     |
| 5               | QPSK   | 12 | 0  | 24.22  | 23.78  | 23.91 | 24.25   | 24.62  | 25.1                |
| 5               | QPSK   | 12 | 7  | 24.22  | 23.76  | 24.01 | 24.30   | 24.66  |                     |
| 5               | QPSK   | 12 | 13 | 24.03  | 23.78  | 23.98 | 24.33   | 24.60  |                     |
| 5               | QPSK   | 25 | 0  | 24.23  | 23.76  | 24.02 | 24.33   | 24.63  | 25.1                |
| 5               | 16QAM  | 1  | 0  | 24.30  | 24.06  | 24.16 | 24.53   | 24.73  |                     |
| 5               | 16QAM  | 1  | 12 | 24.35  | 24.01  | 24.22 | 24.51   | 24.61  |                     |
| 5               | 16QAM  | 1  | 24 | 24.31  | 23.92  | 24.29 | 24.57   | 24.71  | 24.1                |
| 5               | 16QAM  | 12 | 0  | 23.17  | 22.79  | 22.92 | 23.30   | 23.61  |                     |
| 5               | 16QAM  | 12 | 7  | 23.16  | 22.72  | 22.96 | 23.37   | 23.59  |                     |
| 5               | 16QAM  | 12 | 13 | 23.08  | 22.64  | 23.05 | 23.34   | 23.55  | 24.1                |
| 5               | 16QAM  | 25 | 0  | 23.15  | 22.79  | 23.03 | 23.30   | 23.59  |                     |
| 5               | 64QAM  | 1  | 0  | 23.41  | 22.99  | 23.19 | 23.50   | 23.64  |                     |
| 5               | 64QAM  | 1  | 12 | 23.40  | 22.98  | 23.19 | 23.58   | 23.59  | 24.1                |
| 5               | 64QAM  | 1  | 24 | 23.20  | 22.83  | 23.19 | 23.61   | 23.65  |                     |
| 5               | 64QAM  | 12 | 0  | 22.28  | 21.77  | 21.99 | 22.22   | 22.72  |                     |
| 5               | 64QAM  | 12 | 7  | 22.28  | 21.79  | 22.06 | 22.32   | 22.62  | 23.1                |
| 5               | 64QAM  | 12 | 13 | 22.10  | 21.73  | 22.10 | 22.26   | 22.64  |                     |
| 5               | 64QAM  | 25 | 0  | 22.26  | 21.71  | 21.96 | 22.39   | 22.57  |                     |
| 5               | 256QAM | 1  | 0  | 20.40  | 19.93  | 20.14 | 20.58   | 20.68  | 21.1                |
| 5               | 256QAM | 1  | 12 | 20.37  | 19.91  | 20.30 | 20.52   | 20.76  |                     |
| 5               | 256QAM | 1  | 24 | 20.28  | 19.88  | 20.27 | 20.60   | 20.70  |                     |
| 5               | 256QAM | 12 | 0  | 20.42  | 19.89  | 20.00 | 20.41   | 20.69  | 21.1                |
| 5               | 256QAM | 12 | 7  | 20.32  | 20.22  | 20.17 | 20.53   | 20.77  |                     |
| 5               | 256QAM | 12 | 13 | 20.25  | 20.15  | 20.17 | 20.45   | 20.65  |                     |
| 5               | 256QAM | 25 | 0  | 20.29  | 20.14  | 20.13 | 20.46   | 20.59  |                     |

**<LTE Band 48\_Ant 8\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|-------------------------------|------------------------|---------------------|
| Channel         |            |         |           | 55340                 | 55830                        | 56150                         | 56640                  |                     |
| Frequency (MHz) |            |         |           | 3560                  | 3609                         | 3641                          | 3690                   |                     |
| 20              | QPSK       | 1       | 0         | 22.26                 | 22.39                        | 22.39                         | 22.46                  | 24                  |
| 20              | QPSK       | 1       | 49        | 22.24                 | 22.37                        | 22.38                         | 22.36                  |                     |
| 20              | QPSK       | 1       | 99        | 22.25                 | 22.31                        | 22.33                         | 22.37                  |                     |
| 20              | QPSK       | 50      | 0         | 21.27                 | 21.34                        | 21.35                         | 21.44                  | 23                  |
| 20              | QPSK       | 50      | 24        | 21.33                 | 21.45                        | 21.38                         | 21.50                  |                     |
| 20              | QPSK       | 50      | 50        | 21.34                 | 21.45                        | 21.45                         | 21.51                  |                     |
| 20              | QPSK       | 100     | 0         | 21.31                 | 21.40                        | 21.35                         | 21.51                  |                     |
| 20              | 16QAM      | 1       | 0         | 21.19                 | 21.35                        | 21.32                         | 21.41                  | 23                  |
| 20              | 16QAM      | 1       | 49        | 21.26                 | 21.38                        | 21.42                         | 21.45                  |                     |
| 20              | 16QAM      | 1       | 99        | 21.26                 | 21.37                        | 21.39                         | 21.42                  |                     |
| 20              | 16QAM      | 50      | 0         | 20.28                 | 20.35                        | 20.33                         | 20.40                  | 22                  |
| 20              | 16QAM      | 50      | 24        | 20.33                 | 20.43                        | 20.36                         | 20.48                  |                     |
| 20              | 16QAM      | 50      | 50        | 20.35                 | 20.45                        | 20.43                         | 20.49                  |                     |
| 20              | 16QAM      | 100     | 0         | 20.31                 | 20.43                        | 20.34                         | 20.49                  |                     |
| 20              | 64QAM      | 1       | 0         | 20.12                 | 20.32                        | 20.28                         | 20.34                  | 22                  |
| 20              | 64QAM      | 1       | 49        | 20.17                 | 20.36                        | 20.34                         | 20.41                  |                     |
| 20              | 64QAM      | 1       | 99        | 20.28                 | 20.26                        | 20.34                         | 20.33                  |                     |
| 20              | 64QAM      | 50      | 0         | 19.27                 | 19.32                        | 19.30                         | 19.40                  | 21                  |
| 20              | 64QAM      | 50      | 24        | 19.30                 | 19.44                        | 19.34                         | 19.48                  |                     |
| 20              | 64QAM      | 50      | 50        | 19.34                 | 19.43                        | 19.42                         | 19.48                  |                     |
| 20              | 64QAM      | 100     | 0         | 19.30                 | 19.44                        | 19.33                         | 19.48                  |                     |
| 20              | 256QAM     | 1       | 0         | 17.25                 | 17.38                        | 17.38                         | 17.49                  | 19                  |
| 20              | 256QAM     | 1       | 49        | 17.44                 | 17.42                        | 17.37                         | 17.52                  |                     |
| 20              | 256QAM     | 1       | 99        | 17.49                 | 17.45                        | 17.45                         | 17.56                  |                     |
| 20              | 256QAM     | 50      | 0         | 17.34                 | 17.36                        | 17.44                         | 17.32                  | 19                  |
| 20              | 256QAM     | 50      | 24        | 17.42                 | 17.49                        | 17.46                         | 17.49                  |                     |
| 20              | 256QAM     | 50      | 50        | 17.47                 | 17.48                        | 17.51                         | 17.50                  |                     |
| 20              | 256QAM     | 100     | 0         | 17.50                 | 17.48                        | 17.45                         | 17.43                  |                     |
| Channel         |            |         |           | 55315                 | 55820                        | 56160                         | 56665                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3557.5                | 3608                         | 3642                          | 3692.5                 |                     |
| 15              | QPSK       | 1       | 0         | 22.13                 | 22.21                        | 22.28                         | 22.27                  | 24                  |
| 15              | QPSK       | 1       | 37        | 22.04                 | 22.25                        | 22.20                         | 22.25                  |                     |
| 15              | QPSK       | 1       | 74        | 22.13                 | 22.17                        | 22.21                         | 22.17                  |                     |
| 15              | QPSK       | 36      | 0         | 21.14                 | 21.22                        | 21.16                         | 21.34                  | 23                  |
| 15              | QPSK       | 36      | 20        | 21.23                 | 21.27                        | 21.24                         | 21.38                  |                     |
| 15              | QPSK       | 36      | 39        | 21.16                 | 21.35                        | 21.28                         | 21.34                  |                     |
| 15              | QPSK       | 75      | 0         | 21.11                 | 21.27                        | 21.20                         | 21.37                  |                     |
| 15              | 16QAM      | 1       | 0         | 21.07                 | 21.18                        | 21.20                         | 21.22                  | 23                  |
| 15              | 16QAM      | 1       | 37        | 21.11                 | 21.23                        | 21.26                         | 21.35                  |                     |
| 15              | 16QAM      | 1       | 74        | 21.10                 | 21.26                        | 21.22                         | 21.31                  |                     |
| 15              | 16QAM      | 36      | 0         | 20.15                 | 20.19                        | 20.16                         | 20.22                  | 22                  |
| 15              | 16QAM      | 36      | 20        | 20.14                 | 20.32                        | 20.20                         | 20.33                  |                     |
| 15              | 16QAM      | 36      | 39        | 20.20                 | 20.32                        | 20.25                         | 20.37                  |                     |
| 15              | 16QAM      | 75      | 0         | 20.20                 | 20.30                        | 20.20                         | 20.39                  |                     |
| 15              | 64QAM      | 1       | 0         | 20.01                 | 20.19                        | 20.15                         | 20.16                  | 22                  |
| 15              | 64QAM      | 1       | 37        | 20.06                 | 20.24                        | 20.14                         | 20.25                  |                     |
| 15              | 64QAM      | 1       | 74        | 20.10                 | 20.11                        | 20.15                         | 20.15                  |                     |
| 15              | 64QAM      | 36      | 0         | 19.08                 | 19.15                        | 19.11                         | 19.28                  | 21                  |
| 15              | 64QAM      | 36      | 20        | 19.15                 | 19.32                        | 19.24                         | 19.36                  |                     |
| 15              | 64QAM      | 36      | 39        | 19.21                 | 19.33                        | 19.28                         | 19.28                  |                     |
| 15              | 64QAM      | 75      | 0         | 19.16                 | 19.27                        | 19.14                         | 19.38                  |                     |
| 15              | 256QAM     | 1       | 0         | 17.11                 | 17.27                        | 17.21                         | 17.39                  | 19                  |
| 15              | 256QAM     | 1       | 37        | 17.24                 | 17.22                        | 17.21                         | 17.39                  |                     |
| 15              | 256QAM     | 1       | 74        | 17.38                 | 17.30                        | 17.26                         | 17.44                  |                     |
| 15              | 256QAM     | 36      | 0         | 17.14                 | 17.20                        | 17.28                         | 17.17                  | 19                  |
| 15              | 256QAM     | 36      | 20        | 17.31                 | 17.35                        | 17.26                         | 17.39                  |                     |
| 15              | 256QAM     | 36      | 39        | 17.31                 | 17.34                        | 17.40                         | 17.34                  |                     |



# FCC SAR TEST REPORT

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|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.31  | 17.30  | 17.31  | 17.23  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.16  | 22.28  | 22.22  | 22.27  | 24                     |
| 10              | QPSK   | 1  | 25 | 22.09  | 22.22  | 22.23  | 22.23  |                        |
| 10              | QPSK   | 1  | 49 | 22.06  | 22.17  | 22.17  | 22.23  |                        |
| 10              | QPSK   | 25 | 0  | 21.17  | 21.16  | 21.15  | 21.30  | 23                     |
| 10              | QPSK   | 25 | 12 | 21.20  | 21.34  | 21.20  | 21.40  |                        |
| 10              | QPSK   | 25 | 25 | 21.20  | 21.26  | 21.30  | 21.40  |                        |
| 10              | QPSK   | 50 | 0  | 21.18  | 21.27  | 21.25  | 21.37  |                        |
| 10              | 16QAM  | 1  | 0  | 21.09  | 21.24  | 21.17  | 21.27  | 23                     |
| 10              | 16QAM  | 1  | 25 | 21.06  | 21.21  | 21.25  | 21.27  |                        |
| 10              | 16QAM  | 1  | 49 | 21.09  | 21.25  | 21.28  | 21.28  |                        |
| 10              | 16QAM  | 25 | 0  | 20.16  | 20.23  | 20.19  | 20.26  | 22                     |
| 10              | 16QAM  | 25 | 12 | 20.16  | 20.26  | 20.23  | 20.37  |                        |
| 10              | 16QAM  | 25 | 25 | 20.24  | 20.25  | 20.30  | 20.32  |                        |
| 10              | 16QAM  | 50 | 0  | 20.13  | 20.27  | 20.19  | 20.33  |                        |
| 10              | 64QAM  | 1  | 0  | 20.16  | 20.17  | 20.16  | 20.17  | 22                     |
| 10              | 64QAM  | 1  | 25 | 20.00  | 20.25  | 20.23  | 20.31  |                        |
| 10              | 64QAM  | 1  | 49 | 20.16  | 20.07  | 20.24  | 20.16  |                        |
| 10              | 64QAM  | 25 | 0  | 19.12  | 19.20  | 19.16  | 19.21  | 21                     |
| 10              | 64QAM  | 25 | 12 | 19.13  | 19.33  | 19.14  | 19.28  |                        |
| 10              | 64QAM  | 25 | 25 | 19.21  | 19.26  | 19.26  | 19.28  |                        |
| 10              | 64QAM  | 50 | 0  | 19.18  | 19.33  | 19.16  | 19.38  |                        |
| 10              | 256QAM | 1  | 0  | 17.08  | 17.22  | 17.18  | 17.38  | 19                     |
| 10              | 256QAM | 1  | 25 | 17.29  | 17.31  | 17.22  | 17.32  |                        |
| 10              | 256QAM | 1  | 49 | 17.32  | 17.31  | 17.26  | 17.41  |                        |
| 10              | 256QAM | 25 | 0  | 17.16  | 17.17  | 17.29  | 17.17  | 19                     |
| 10              | 256QAM | 25 | 12 | 17.26  | 17.37  | 17.26  | 17.39  |                        |
| 10              | 256QAM | 25 | 25 | 17.31  | 17.31  | 17.40  | 17.30  |                        |
| 10              | 256QAM | 50 | 0  | 17.34  | 17.28  | 17.31  | 17.30  |                        |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.06  | 22.25  | 22.22  | 22.36  | 24                     |
| 5               | QPSK   | 1  | 12 | 22.05  | 22.27  | 22.20  | 22.24  |                        |
| 5               | QPSK   | 1  | 24 | 22.13  | 22.11  | 22.14  | 22.22  |                        |
| 5               | QPSK   | 12 | 0  | 21.13  | 21.14  | 21.15  | 21.26  | 23                     |
| 5               | QPSK   | 12 | 7  | 21.21  | 21.27  | 21.19  | 21.39  |                        |
| 5               | QPSK   | 12 | 13 | 21.20  | 21.27  | 21.33  | 21.33  |                        |
| 5               | QPSK   | 25 | 0  | 21.19  | 21.27  | 21.18  | 21.40  |                        |
| 5               | 16QAM  | 1  | 0  | 21.02  | 21.20  | 21.17  | 21.22  | 23                     |
| 5               | 16QAM  | 1  | 12 | 21.15  | 21.21  | 21.24  | 21.31  |                        |
| 5               | 16QAM  | 1  | 24 | 21.08  | 21.25  | 21.20  | 21.31  |                        |
| 5               | 16QAM  | 12 | 0  | 20.09  | 20.25  | 20.19  | 20.22  | 22                     |
| 5               | 16QAM  | 12 | 7  | 20.17  | 20.31  | 20.19  | 20.30  |                        |
| 5               | 16QAM  | 12 | 13 | 20.24  | 20.33  | 20.23  | 20.39  |                        |
| 5               | 16QAM  | 25 | 0  | 20.18  | 20.25  | 20.21  | 20.38  |                        |
| 5               | 64QAM  | 1  | 0  | 20.15  | 20.14  | 20.11  | 20.18  | 22                     |
| 5               | 64QAM  | 1  | 12 | 20.02  | 20.21  | 20.23  | 20.31  |                        |
| 5               | 64QAM  | 1  | 24 | 20.15  | 20.15  | 20.15  | 20.17  |                        |
| 5               | 64QAM  | 12 | 0  | 19.10  | 19.17  | 19.19  | 19.25  | 21                     |
| 5               | 64QAM  | 12 | 7  | 19.12  | 19.34  | 19.17  | 19.35  |                        |
| 5               | 64QAM  | 12 | 13 | 19.19  | 19.27  | 19.31  | 19.37  |                        |
| 5               | 64QAM  | 25 | 0  | 19.16  | 19.32  | 19.23  | 19.32  |                        |
| 5               | 256QAM | 1  | 0  | 17.07  | 17.26  | 17.19  | 17.35  | 19                     |
| 5               | 256QAM | 1  | 12 | 17.29  | 17.28  | 17.26  | 17.36  |                        |
| 5               | 256QAM | 1  | 24 | 17.30  | 17.28  | 17.33  | 17.46  |                        |
| 5               | 256QAM | 12 | 0  | 17.23  | 17.23  | 17.33  | 17.21  | 19                     |
| 5               | 256QAM | 12 | 7  | 17.23  | 17.31  | 17.30  | 17.38  |                        |
| 5               | 256QAM | 12 | 13 | 17.28  | 17.37  | 17.34  | 17.33  |                        |
| 5               | 256QAM | 25 | 0  | 17.37  | 17.28  | 17.25  | 17.33  |                        |



&lt;LTE Band 48\_Ant 9\_DSI 0&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Middle Ch. / Freq. | Power High Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|------------------------------|-------------------------------|------------------------|---------------------|
| Channel         |            |         |           | 55340                 | 55830                        | 56150                         | 56640                  |                     |
| Frequency (MHz) |            |         |           | 3560                  | 3609                         | 3641                          | 3690                   |                     |
| 20              | QPSK       | 1       | 0         | 22.39                 | 22.71                        | 22.87                         | 23.00                  | 24                  |
| 20              | QPSK       | 1       | 49        | 22.66                 | 22.68                        | 22.73                         | 22.83                  |                     |
| 20              | QPSK       | 1       | 99        | 22.69                 | 22.68                        | 22.65                         | 22.74                  |                     |
| 20              | QPSK       | 50      | 0         | 21.69                 | 21.74                        | 21.70                         | 21.84                  | 23                  |
| 20              | QPSK       | 50      | 24        | 21.65                 | 21.65                        | 21.70                         | 21.83                  |                     |
| 20              | QPSK       | 50      | 50        | 21.64                 | 21.62                        | 21.67                         | 21.75                  |                     |
| 20              | QPSK       | 100     | 0         | 21.66                 | 21.75                        | 21.73                         | 21.78                  |                     |
| 20              | 16QAM      | 1       | 0         | 21.89                 | 21.95                        | 21.93                         | 22.02                  | 23                  |
| 20              | 16QAM      | 1       | 49        | 22.03                 | 21.99                        | 21.96                         | 22.06                  |                     |
| 20              | 16QAM      | 1       | 99        | 21.93                 | 21.91                        | 21.94                         | 21.96                  |                     |
| 20              | 16QAM      | 50      | 0         | 20.68                 | 20.74                        | 20.74                         | 20.81                  |                     |
| 20              | 16QAM      | 50      | 24        | 20.72                 | 20.66                        | 20.65                         | 20.81                  | 22                  |
| 20              | 16QAM      | 50      | 50        | 20.60                 | 20.64                        | 20.61                         | 20.75                  |                     |
| 20              | 16QAM      | 100     | 0         | 20.62                 | 20.63                        | 20.66                         | 20.79                  |                     |
| 20              | 64QAM      | 1       | 0         | 21.00                 | 20.96                        | 20.93                         | 21.07                  |                     |
| 20              | 64QAM      | 1       | 49        | 20.94                 | 21.00                        | 20.95                         | 21.07                  | 22                  |
| 20              | 64QAM      | 1       | 99        | 20.86                 | 20.88                        | 20.86                         | 20.97                  |                     |
| 20              | 64QAM      | 50      | 0         | 19.75                 | 19.74                        | 19.78                         | 19.83                  |                     |
| 20              | 64QAM      | 50      | 24        | 19.65                 | 19.62                        | 19.62                         | 19.77                  | 21                  |
| 20              | 64QAM      | 50      | 50        | 19.60                 | 19.58                        | 19.67                         | 19.68                  |                     |
| 20              | 64QAM      | 100     | 0         | 19.68                 | 19.68                        | 19.72                         | 19.81                  |                     |
| 20              | 256QAM     | 1       | 0         | 17.52                 | 17.49                        | 17.54                         | 17.67                  |                     |
| 20              | 256QAM     | 1       | 49        | 17.61                 | 17.61                        | 17.56                         | 17.70                  | 19                  |
| 20              | 256QAM     | 1       | 99        | 17.68                 | 17.68                        | 17.73                         | 17.80                  |                     |
| 20              | 256QAM     | 50      | 0         | 17.70                 | 17.61                        | 17.67                         | 17.71                  |                     |
| 20              | 256QAM     | 50      | 24        | 17.69                 | 17.76                        | 17.71                         | 17.87                  | 19                  |
| 20              | 256QAM     | 50      | 50        | 17.71                 | 17.79                        | 17.80                         | 17.85                  |                     |
| 20              | 256QAM     | 100     | 0         | 17.74                 | 17.76                        | 17.75                         | 17.94                  |                     |
| Channel         |            |         |           | 55315                 | 55820                        | 56160                         | 56665                  | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3557.5                | 3608                         | 3642                          | 3692.5                 |                     |
| 15              | QPSK       | 1       | 0         | 22.24                 | 22.59                        | 22.75                         | 22.88                  | 24                  |
| 15              | QPSK       | 1       | 37        | 22.53                 | 22.56                        | 22.59                         | 22.70                  |                     |
| 15              | QPSK       | 1       | 74        | 22.51                 | 22.50                        | 22.52                         | 22.64                  |                     |
| 15              | QPSK       | 36      | 0         | 21.59                 | 21.54                        | 21.53                         | 21.74                  | 23                  |
| 15              | QPSK       | 36      | 20        | 21.51                 | 21.53                        | 21.58                         | 21.70                  |                     |
| 15              | QPSK       | 36      | 39        | 21.49                 | 21.50                        | 21.53                         | 21.55                  |                     |
| 15              | QPSK       | 75      | 0         | 21.56                 | 21.55                        | 21.54                         | 21.61                  |                     |
| 15              | 16QAM      | 1       | 0         | 21.74                 | 21.77                        | 21.78                         | 21.82                  | 23                  |
| 15              | 16QAM      | 1       | 37        | 21.91                 | 21.82                        | 21.86                         | 21.89                  |                     |
| 15              | 16QAM      | 1       | 74        | 21.75                 | 21.71                        | 21.84                         | 21.81                  |                     |
| 15              | 16QAM      | 36      | 0         | 20.53                 | 20.54                        | 20.54                         | 20.68                  | 22                  |
| 15              | 16QAM      | 36      | 20        | 20.56                 | 20.51                        | 20.55                         | 20.62                  |                     |
| 15              | 16QAM      | 36      | 39        | 20.48                 | 20.44                        | 20.49                         | 20.58                  |                     |
| 15              | 16QAM      | 75      | 0         | 20.44                 | 20.48                        | 20.53                         | 20.68                  |                     |
| 15              | 64QAM      | 1       | 0         | 20.87                 | 20.83                        | 20.82                         | 20.88                  | 22                  |
| 15              | 64QAM      | 1       | 37        | 20.81                 | 20.81                        | 20.85                         | 20.92                  |                     |
| 15              | 64QAM      | 1       | 74        | 20.75                 | 20.68                        | 20.70                         | 20.86                  |                     |
| 15              | 64QAM      | 36      | 0         | 19.65                 | 19.59                        | 19.61                         | 19.71                  | 21                  |
| 15              | 64QAM      | 36      | 20        | 19.54                 | 19.47                        | 19.49                         | 19.63                  |                     |
| 15              | 64QAM      | 36      | 39        | 19.42                 | 19.39                        | 19.53                         | 19.57                  |                     |
| 15              | 64QAM      | 75      | 0         | 19.56                 | 19.55                        | 19.53                         | 19.65                  |                     |
| 15              | 256QAM     | 1       | 0         | 17.41                 | 17.35                        | 17.44                         | 17.50                  | 19                  |
| 15              | 256QAM     | 1       | 37        | 17.43                 | 17.50                        | 17.46                         | 17.50                  |                     |
| 15              | 256QAM     | 1       | 74        | 17.58                 | 17.56                        | 17.59                         | 17.62                  |                     |
| 15              | 256QAM     | 36      | 0         | 17.55                 | 17.47                        | 17.48                         | 17.60                  | 19                  |
| 15              | 256QAM     | 36      | 20        | 17.55                 | 17.57                        | 17.57                         | 17.75                  |                     |
| 15              | 256QAM     | 36      | 39        | 17.59                 | 17.64                        | 17.60                         | 17.69                  |                     |



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|                 |        |    |    |        |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 17.56  | 17.61  | 17.61  | 17.81  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 55290  | 55815  | 56165  | 56690  |                        |
| Frequency (MHz) |        |    |    | 3555   | 3607.5 | 3642.5 | 3695   |                        |
| 10              | QPSK   | 1  | 0  | 22.22  | 22.51  | 22.73  | 22.83  | 24                     |
| 10              | QPSK   | 1  | 25 | 22.48  | 22.48  | 22.61  | 22.67  |                        |
| 10              | QPSK   | 1  | 49 | 22.53  | 22.51  | 22.49  | 22.64  |                        |
| 10              | QPSK   | 25 | 0  | 21.54  | 21.57  | 21.50  | 21.70  | 23                     |
| 10              | QPSK   | 25 | 12 | 21.46  | 21.45  | 21.59  | 21.67  |                        |
| 10              | QPSK   | 25 | 25 | 21.54  | 21.48  | 21.55  | 21.65  |                        |
| 10              | QPSK   | 50 | 0  | 21.48  | 21.56  | 21.62  | 21.64  |                        |
| 10              | 16QAM  | 1  | 0  | 21.75  | 21.77  | 21.76  | 21.88  | 23                     |
| 10              | 16QAM  | 1  | 25 | 21.86  | 21.80  | 21.80  | 21.95  |                        |
| 10              | 16QAM  | 1  | 49 | 21.78  | 21.78  | 21.79  | 21.77  |                        |
| 10              | 16QAM  | 25 | 0  | 20.56  | 20.63  | 20.56  | 20.70  | 22                     |
| 10              | 16QAM  | 25 | 12 | 20.56  | 20.49  | 20.45  | 20.66  |                        |
| 10              | 16QAM  | 25 | 25 | 20.44  | 20.48  | 20.42  | 20.62  |                        |
| 10              | 16QAM  | 50 | 0  | 20.45  | 20.53  | 20.53  | 20.65  |                        |
| 10              | 64QAM  | 1  | 0  | 20.86  | 20.76  | 20.80  | 20.97  | 22                     |
| 10              | 64QAM  | 1  | 25 | 20.83  | 20.86  | 20.80  | 20.94  |                        |
| 10              | 64QAM  | 1  | 49 | 20.73  | 20.70  | 20.69  | 20.78  |                        |
| 10              | 64QAM  | 25 | 0  | 19.56  | 19.54  | 19.59  | 19.66  | 21                     |
| 10              | 64QAM  | 25 | 12 | 19.48  | 19.51  | 19.51  | 19.65  |                        |
| 10              | 64QAM  | 25 | 25 | 19.43  | 19.40  | 19.53  | 19.50  |                        |
| 10              | 64QAM  | 50 | 0  | 19.57  | 19.54  | 19.61  | 19.66  |                        |
| 10              | 256QAM | 1  | 0  | 17.39  | 17.31  | 17.35  | 17.57  | 19                     |
| 10              | 256QAM | 1  | 25 | 17.44  | 17.51  | 17.38  | 17.56  |                        |
| 10              | 256QAM | 1  | 49 | 17.52  | 17.49  | 17.53  | 17.70  |                        |
| 10              | 256QAM | 25 | 0  | 17.51  | 17.43  | 17.49  | 17.57  | 19                     |
| 10              | 256QAM | 25 | 12 | 17.56  | 17.62  | 17.51  | 17.71  |                        |
| 10              | 256QAM | 25 | 25 | 17.55  | 17.67  | 17.63  | 17.71  |                        |
| 10              | 256QAM | 50 | 0  | 17.58  | 17.66  | 17.63  | 17.79  |                        |
| Channel         |        |    |    | 55265  | 55810  | 56170  | 56715  | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 3552.5 | 3607   | 3643   | 3697.5 |                        |
| 5               | QPSK   | 1  | 0  | 22.22  | 22.59  | 22.74  | 22.88  | 24                     |
| 5               | QPSK   | 1  | 12 | 22.47  | 22.56  | 22.56  | 22.70  |                        |
| 5               | QPSK   | 1  | 24 | 22.51  | 22.57  | 22.50  | 22.59  |                        |
| 5               | QPSK   | 12 | 0  | 21.49  | 21.54  | 21.58  | 21.65  | 23                     |
| 5               | QPSK   | 12 | 7  | 21.52  | 21.54  | 21.57  | 21.70  |                        |
| 5               | QPSK   | 12 | 13 | 21.54  | 21.48  | 21.55  | 21.55  |                        |
| 5               | QPSK   | 25 | 0  | 21.50  | 21.61  | 21.55  | 21.64  |                        |
| 5               | 16QAM  | 1  | 0  | 21.77  | 21.75  | 21.73  | 21.91  | 23                     |
| 5               | 16QAM  | 1  | 12 | 21.86  | 21.79  | 21.79  | 21.88  |                        |
| 5               | 16QAM  | 1  | 24 | 21.83  | 21.74  | 21.80  | 21.81  |                        |
| 5               | 16QAM  | 12 | 0  | 20.50  | 20.55  | 20.57  | 20.69  | 22                     |
| 5               | 16QAM  | 12 | 7  | 20.62  | 20.47  | 20.52  | 20.70  |                        |
| 5               | 16QAM  | 12 | 13 | 20.45  | 20.45  | 20.51  | 20.61  |                        |
| 5               | 16QAM  | 25 | 0  | 20.45  | 20.45  | 20.47  | 20.62  |                        |
| 5               | 64QAM  | 1  | 0  | 20.88  | 20.81  | 20.81  | 20.95  | 22                     |
| 5               | 64QAM  | 1  | 12 | 20.74  | 20.86  | 20.77  | 20.95  |                        |
| 5               | 64QAM  | 1  | 24 | 20.70  | 20.72  | 20.75  | 20.84  |                        |
| 5               | 64QAM  | 12 | 0  | 19.58  | 19.64  | 19.68  | 19.67  |                        |
| 5               | 64QAM  | 12 | 7  | 19.53  | 19.52  | 19.45  | 19.57  | 21                     |
| 5               | 64QAM  | 12 | 13 | 19.48  | 19.40  | 19.57  | 19.57  |                        |
| 5               | 64QAM  | 25 | 0  | 19.51  | 19.48  | 19.53  | 19.62  |                        |
| 5               | 256QAM | 1  | 0  | 17.37  | 17.32  | 17.43  | 17.53  |                        |
| 5               | 256QAM | 1  | 12 | 17.46  | 17.51  | 17.43  | 17.57  | 19                     |
| 5               | 256QAM | 1  | 24 | 17.54  | 17.50  | 17.55  | 17.60  |                        |
| 5               | 256QAM | 12 | 0  | 17.53  | 17.50  | 17.57  | 17.59  |                        |
| 5               | 256QAM | 12 | 7  | 17.54  | 17.60  | 17.53  | 17.74  | 19                     |
| 5               | 256QAM | 12 | 13 | 17.60  | 17.67  | 17.69  | 17.68  |                        |
| 5               | 256QAM | 25 | 0  | 17.60  | 17.61  | 17.59  | 17.81  |                        |



&lt;LTE Band 66\_Ant 1\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 132072                | 132322                   | 132572                 |                     |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |
| 20              | QPSK       | 1       | 0         | 23.11                 | 23.35                    | 23.26                  | 24.3                |
| 20              | QPSK       | 1       | 49        | 22.98                 | 23.30                    | 23.23                  |                     |
| 20              | QPSK       | 1       | 99        | 23.09                 | 23.34                    | 23.15                  |                     |
| 20              | QPSK       | 50      | 0         | 22.13                 | 22.36                    | 22.29                  | 23.3                |
| 20              | QPSK       | 50      | 24        | 22.12                 | 22.31                    | 22.26                  |                     |
| 20              | QPSK       | 50      | 50        | 22.11                 | 22.35                    | 22.28                  |                     |
| 20              | QPSK       | 100     | 0         | 22.10                 | 22.32                    | 22.24                  |                     |
| 20              | 16QAM      | 1       | 0         | 22.36                 | 22.59                    | 22.65                  | 23.3                |
| 20              | 16QAM      | 1       | 49        | 22.31                 | 22.66                    | 22.50                  |                     |
| 20              | 16QAM      | 1       | 99        | 22.37                 | 22.66                    | 22.47                  |                     |
| 20              | 16QAM      | 50      | 0         | 21.03                 | 21.32                    | 21.26                  | 22.3                |
| 20              | 16QAM      | 50      | 24        | 21.13                 | 21.32                    | 21.26                  |                     |
| 20              | 16QAM      | 50      | 50        | 21.11                 | 21.36                    | 21.29                  |                     |
| 20              | 16QAM      | 100     | 0         | 21.12                 | 21.33                    | 21.27                  |                     |
| 20              | 64QAM      | 1       | 0         | 21.17                 | 21.46                    | 21.38                  | 22.3                |
| 20              | 64QAM      | 1       | 49        | 21.11                 | 21.44                    | 21.46                  |                     |
| 20              | 64QAM      | 1       | 99        | 21.32                 | 21.55                    | 21.38                  |                     |
| 20              | 64QAM      | 50      | 0         | 20.03                 | 20.33                    | 20.27                  | 21.3                |
| 20              | 64QAM      | 50      | 24        | 20.12                 | 20.33                    | 20.25                  |                     |
| 20              | 64QAM      | 50      | 50        | 20.11                 | 20.39                    | 20.29                  |                     |
| 20              | 64QAM      | 100     | 0         | 20.10                 | 20.34                    | 20.27                  |                     |
| 20              | 256QAM     | 1       | 0         | 18.09                 | 18.35                    | 18.19                  | 19.3                |
| 20              | 256QAM     | 1       | 49        | 17.93                 | 18.24                    | 18.15                  |                     |
| 20              | 256QAM     | 1       | 99        | 18.09                 | 18.41                    | 18.29                  |                     |
| 20              | 256QAM     | 50      | 0         | 17.84                 | 18.15                    | 18.04                  | 19.3                |
| 20              | 256QAM     | 50      | 24        | 17.97                 | 18.26                    | 18.11                  |                     |
| 20              | 256QAM     | 50      | 50        | 17.83                 | 18.07                    | 17.90                  |                     |
| 20              | 256QAM     | 100     | 0         | 17.91                 | 18.19                    | 18.09                  |                     |
| Channel         |            |         |           | 132047                | 132322                   | 132597                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |
| 15              | QPSK       | 1       | 0         | 22.97                 | 23.25                    | 23.15                  | 24.3                |
| 15              | QPSK       | 1       | 37        | 22.81                 | 23.14                    | 23.08                  |                     |
| 15              | QPSK       | 1       | 74        | 22.97                 | 23.17                    | 23.04                  |                     |
| 15              | QPSK       | 36      | 0         | 22.02                 | 22.19                    | 22.14                  | 23.3                |
| 15              | QPSK       | 36      | 20        | 21.96                 | 22.13                    | 22.13                  |                     |
| 15              | QPSK       | 36      | 39        | 21.92                 | 22.18                    | 22.17                  |                     |
| 15              | QPSK       | 75      | 0         | 21.98                 | 22.21                    | 22.11                  | 23.3                |
| 15              | 16QAM      | 1       | 0         | 22.17                 | 22.48                    | 22.54                  |                     |
| 15              | 16QAM      | 1       | 37        | 22.20                 | 22.55                    | 22.38                  |                     |
| 15              | 16QAM      | 1       | 74        | 22.17                 | 22.52                    | 22.27                  | 22.3                |
| 15              | 16QAM      | 36      | 0         | 20.86                 | 21.19                    | 21.10                  |                     |
| 15              | 16QAM      | 36      | 20        | 20.93                 | 21.17                    | 21.08                  |                     |
| 15              | 16QAM      | 36      | 39        | 21.00                 | 21.25                    | 21.15                  |                     |
| 15              | 16QAM      | 75      | 0         | 20.94                 | 21.16                    | 21.14                  | 22.3                |
| 15              | 64QAM      | 1       | 0         | 20.99                 | 21.29                    | 21.18                  |                     |
| 15              | 64QAM      | 1       | 37        | 20.91                 | 21.28                    | 21.26                  |                     |
| 15              | 64QAM      | 1       | 74        | 21.13                 | 21.38                    | 21.27                  | 21.3                |
| 15              | 64QAM      | 36      | 0         | 19.84                 | 20.14                    | 20.17                  |                     |
| 15              | 64QAM      | 36      | 20        | 20.01                 | 20.13                    | 20.11                  |                     |
| 15              | 64QAM      | 36      | 39        | 19.95                 | 20.24                    | 20.18                  |                     |
| 15              | 64QAM      | 75      | 0         | 19.93                 | 20.18                    | 20.10                  | 19.3                |
| 15              | 256QAM     | 1       | 0         | 17.92                 | 18.15                    | 18.00                  |                     |
| 15              | 256QAM     | 1       | 37        | 17.75                 | 18.12                    | 17.98                  |                     |
| 15              | 256QAM     | 1       | 74        | 17.97                 | 18.31                    | 18.12                  | 19.3                |
| 15              | 256QAM     | 36      | 0         | 17.70                 | 18.01                    | 17.92                  |                     |
| 15              | 256QAM     | 36      | 20        | 17.86                 | 18.11                    | 17.94                  |                     |



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|                 |        |    |    |        |        |        |                     |
|-----------------|--------|----|----|--------|--------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 17.71  | 17.92  | 17.75  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 17.77  | 18.08  | 17.89  |                     |
| Channel         |        |    |    | 132022 | 132322 | 132622 | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   |                     |
| 10              | QPSK   | 1  | 0  | 22.94  | 23.25  | 23.07  | 24.3                |
| 10              | QPSK   | 1  | 25 | 22.81  | 23.20  | 23.03  |                     |
| 10              | QPSK   | 1  | 49 | 22.96  | 23.18  | 22.99  |                     |
| 10              | QPSK   | 25 | 0  | 21.93  | 22.23  | 22.15  | 23.3                |
| 10              | QPSK   | 25 | 12 | 21.96  | 22.11  | 22.15  |                     |
| 10              | QPSK   | 25 | 25 | 21.94  | 22.20  | 22.09  |                     |
| 10              | QPSK   | 50 | 0  | 21.94  | 22.21  | 22.06  |                     |
| 10              | 16QAM  | 1  | 0  | 22.23  | 22.41  | 22.50  | 23.3                |
| 10              | 16QAM  | 1  | 25 | 22.11  | 22.47  | 22.30  |                     |
| 10              | 16QAM  | 1  | 49 | 22.22  | 22.52  | 22.33  |                     |
| 10              | 16QAM  | 25 | 0  | 20.84  | 21.20  | 21.16  | 22.3                |
| 10              | 16QAM  | 25 | 12 | 21.02  | 21.17  | 21.11  |                     |
| 10              | 16QAM  | 25 | 25 | 20.97  | 21.24  | 21.15  |                     |
| 10              | 16QAM  | 50 | 0  | 20.93  | 21.16  | 21.11  |                     |
| 10              | 64QAM  | 1  | 0  | 21.00  | 21.31  | 21.19  | 22.3                |
| 10              | 64QAM  | 1  | 25 | 21.01  | 21.27  | 21.29  |                     |
| 10              | 64QAM  | 1  | 49 | 21.20  | 21.40  | 21.27  |                     |
| 10              | 64QAM  | 25 | 0  | 19.88  | 20.18  | 20.13  | 21.3                |
| 10              | 64QAM  | 25 | 12 | 19.94  | 20.21  | 20.07  |                     |
| 10              | 64QAM  | 25 | 25 | 19.91  | 20.25  | 20.15  |                     |
| 10              | 64QAM  | 50 | 0  | 19.91  | 20.15  | 20.16  |                     |
| 10              | 256QAM | 1  | 0  | 17.89  | 18.18  | 18.06  | 19.3                |
| 10              | 256QAM | 1  | 25 | 17.78  | 18.04  | 17.97  |                     |
| 10              | 256QAM | 1  | 49 | 17.93  | 18.27  | 18.19  |                     |
| 10              | 256QAM | 25 | 0  | 17.67  | 18.05  | 17.89  | 19.3                |
| 10              | 256QAM | 25 | 12 | 17.81  | 18.15  | 17.99  |                     |
| 10              | 256QAM | 25 | 25 | 17.64  | 17.95  | 17.73  |                     |
| 10              | 256QAM | 50 | 0  | 17.77  | 18.00  | 17.94  | Tune-up limit (dBm) |
| Channel         |        |    |    | 131997 | 132322 | 132647 |                     |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 | Tune-up limit (dBm) |
| 5               | QPSK   | 1  | 0  | 22.93  | 23.20  | 23.13  |                     |
| 5               | QPSK   | 1  | 12 | 22.80  | 23.15  | 23.09  | 24.3                |
| 5               | QPSK   | 1  | 24 | 22.96  | 23.19  | 23.05  |                     |
| 5               | QPSK   | 12 | 0  | 21.99  | 22.26  | 22.17  | 23.3                |
| 5               | QPSK   | 12 | 7  | 21.96  | 22.18  | 22.06  |                     |
| 5               | QPSK   | 12 | 13 | 21.98  | 22.21  | 22.09  |                     |
| 5               | QPSK   | 25 | 0  | 22.00  | 22.18  | 22.06  |                     |
| 5               | 16QAM  | 1  | 0  | 22.18  | 22.45  | 22.47  | 23.3                |
| 5               | 16QAM  | 1  | 12 | 22.15  | 22.54  | 22.38  |                     |
| 5               | 16QAM  | 1  | 24 | 22.24  | 22.50  | 22.36  |                     |
| 5               | 16QAM  | 12 | 0  | 20.90  | 21.14  | 21.11  | 22.3                |
| 5               | 16QAM  | 12 | 7  | 21.03  | 21.12  | 21.10  |                     |
| 5               | 16QAM  | 12 | 13 | 21.01  | 21.16  | 21.11  |                     |
| 5               | 16QAM  | 25 | 0  | 20.93  | 21.17  | 21.17  |                     |
| 5               | 64QAM  | 1  | 0  | 21.01  | 21.26  | 21.19  | 22.3                |
| 5               | 64QAM  | 1  | 12 | 21.00  | 21.24  | 21.33  |                     |
| 5               | 64QAM  | 1  | 24 | 21.14  | 21.44  | 21.25  |                     |
| 5               | 64QAM  | 12 | 0  | 19.84  | 20.16  | 20.17  | 21.3                |
| 5               | 64QAM  | 12 | 7  | 19.97  | 20.16  | 20.05  |                     |
| 5               | 64QAM  | 12 | 13 | 19.95  | 20.22  | 20.13  |                     |
| 5               | 64QAM  | 25 | 0  | 19.98  | 20.21  | 20.13  |                     |
| 5               | 256QAM | 1  | 0  | 17.91  | 18.16  | 18.08  | 19.3                |
| 5               | 256QAM | 1  | 12 | 17.82  | 18.12  | 17.99  |                     |
| 5               | 256QAM | 1  | 24 | 17.95  | 18.28  | 18.14  |                     |
| 5               | 256QAM | 12 | 0  | 17.65  | 17.96  | 17.93  | 19.3                |
| 5               | 256QAM | 12 | 7  | 17.79  | 18.13  | 17.98  |                     |
| 5               | 256QAM | 12 | 13 | 17.68  | 17.93  | 17.74  |                     |
| 5               | 256QAM | 25 | 0  | 17.71  | 17.99  | 17.97  |                     |



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| Channel         |        |    |    | 131987 | 132322 | 132657 | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.00  | 23.19  | 23.14  | 24.3                   |
| 3               | QPSK   | 1  | 8  | 22.81  | 23.19  | 23.12  |                        |
| 3               | QPSK   | 1  | 14 | 22.90  | 23.18  | 22.98  |                        |
| 3               | QPSK   | 8  | 0  | 21.95  | 22.24  | 22.15  | 23.3                   |
| 3               | QPSK   | 8  | 4  | 21.96  | 22.19  | 22.08  |                        |
| 3               | QPSK   | 8  | 7  | 21.98  | 22.22  | 22.17  |                        |
| 3               | QPSK   | 15 | 0  | 21.96  | 22.18  | 22.10  |                        |
| 3               | 16QAM  | 1  | 0  | 22.17  | 22.46  | 22.53  | 23.3                   |
| 3               | 16QAM  | 1  | 8  | 22.20  | 22.47  | 22.32  |                        |
| 3               | 16QAM  | 1  | 14 | 22.27  | 22.49  | 22.36  |                        |
| 3               | 16QAM  | 8  | 0  | 20.87  | 21.14  | 21.07  | 22.3                   |
| 3               | 16QAM  | 8  | 4  | 21.03  | 21.18  | 21.09  |                        |
| 3               | 16QAM  | 8  | 7  | 20.93  | 21.26  | 21.10  |                        |
| 3               | 16QAM  | 15 | 0  | 20.98  | 21.19  | 21.13  |                        |
| 3               | 64QAM  | 1  | 0  | 21.03  | 21.28  | 21.18  | 22.3                   |
| 3               | 64QAM  | 1  | 8  | 20.95  | 21.24  | 21.35  |                        |
| 3               | 64QAM  | 1  | 14 | 21.19  | 21.37  | 21.18  |                        |
| 3               | 64QAM  | 8  | 0  | 19.90  | 20.19  | 20.15  | 21.3                   |
| 3               | 64QAM  | 8  | 4  | 20.01  | 20.15  | 20.07  |                        |
| 3               | 64QAM  | 8  | 7  | 19.97  | 20.22  | 20.19  |                        |
| 3               | 64QAM  | 15 | 0  | 19.93  | 20.24  | 20.15  |                        |
| 3               | 256QAM | 1  | 0  | 17.98  | 18.25  | 18.05  | 19.3                   |
| 3               | 256QAM | 1  | 8  | 17.73  | 18.07  | 17.97  |                        |
| 3               | 256QAM | 1  | 14 | 17.96  | 18.31  | 18.11  |                        |
| 3               | 256QAM | 8  | 0  | 17.64  | 18.01  | 17.86  | 19.3                   |
| 3               | 256QAM | 8  | 4  | 17.78  | 18.16  | 17.96  |                        |
| 3               | 256QAM | 8  | 7  | 17.72  | 17.93  | 17.77  |                        |
| 3               | 256QAM | 15 | 0  | 17.78  | 18.06  | 17.99  |                        |
| Channel         |        |    |    | 131979 | 132322 | 132665 | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1710.7 | 1745   | 1779.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 22.99  | 23.21  | 23.13  | 24.3                   |
| 1.4             | QPSK   | 1  | 3  | 22.80  | 23.19  | 23.13  |                        |
| 1.4             | QPSK   | 1  | 5  | 22.91  | 23.14  | 22.95  |                        |
| 1.4             | QPSK   | 3  | 0  | 22.86  | 23.06  | 22.94  |                        |
| 1.4             | QPSK   | 3  | 1  | 22.69  | 23.07  | 22.95  |                        |
| 1.4             | QPSK   | 3  | 3  | 22.78  | 22.99  | 22.79  |                        |
| 1.4             | QPSK   | 6  | 0  | 21.99  | 22.16  | 22.12  | 23.3                   |
| 1.4             | 16QAM  | 1  | 0  | 21.92  | 22.14  | 22.14  | 23.3                   |
| 1.4             | 16QAM  | 1  | 3  | 21.97  | 22.25  | 22.15  |                        |
| 1.4             | 16QAM  | 1  | 5  | 21.96  | 22.20  | 22.06  |                        |
| 1.4             | 16QAM  | 3  | 0  | 22.17  | 22.41  | 22.46  |                        |
| 1.4             | 16QAM  | 3  | 1  | 22.12  | 22.53  | 22.38  |                        |
| 1.4             | 16QAM  | 3  | 3  | 22.20  | 22.48  | 22.35  | 22.3                   |
| 1.4             | 16QAM  | 6  | 0  | 20.86  | 21.13  | 21.06  |                        |
| 1.4             | 64QAM  | 1  | 0  | 21.00  | 21.22  | 21.08  | 22.3                   |
| 1.4             | 64QAM  | 1  | 3  | 20.98  | 21.23  | 21.14  |                        |
| 1.4             | 64QAM  | 1  | 5  | 20.96  | 21.20  | 21.10  |                        |
| 1.4             | 64QAM  | 3  | 0  | 21.03  | 21.35  | 21.20  |                        |
| 1.4             | 64QAM  | 3  | 1  | 20.91  | 21.24  | 21.27  |                        |
| 1.4             | 64QAM  | 3  | 3  | 21.22  | 21.45  | 21.18  |                        |
| 1.4             | 64QAM  | 6  | 0  | 19.87  | 20.19  | 20.12  | 21.3                   |
| 1.4             | 256QAM | 1  | 0  | 17.89  | 18.18  | 18.00  | 19.3                   |
| 1.4             | 256QAM | 1  | 3  | 17.82  | 18.06  | 18.01  |                        |
| 1.4             | 256QAM | 1  | 5  | 17.98  | 18.24  | 18.16  |                        |
| 1.4             | 256QAM | 3  | 0  | 17.72  | 17.95  | 17.93  |                        |
| 1.4             | 256QAM | 3  | 1  | 17.79  | 18.13  | 17.96  |                        |
| 1.4             | 256QAM | 3  | 3  | 17.65  | 17.91  | 17.74  | 19.3                   |
| 1.4             | 256QAM | 6  | 0  | 17.71  | 18.08  | 17.96  |                        |



&lt;LTE Band 66\_Ant 5\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 132072                | 132322                   | 132572                 |                     |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |
| 20              | QPSK       | 1       | 0         | 23.28                 | 23.47                    | 23.69                  | 24.5                |
| 20              | QPSK       | 1       | 49        | 23.25                 | 23.37                    | 23.67                  |                     |
| 20              | QPSK       | 1       | 99        | 23.17                 | 23.33                    | 23.59                  |                     |
| 20              | QPSK       | 50      | 0         | 23.19                 | 23.39                    | 23.66                  | 24                  |
| 20              | QPSK       | 50      | 24        | 23.17                 | 23.35                    | 23.65                  |                     |
| 20              | QPSK       | 50      | 50        | 23.21                 | 23.38                    | 23.62                  |                     |
| 20              | QPSK       | 100     | 0         | 23.08                 | 23.37                    | 23.59                  | 24                  |
| 20              | 16QAM      | 1       | 0         | 23.21                 | 23.40                    | 23.64                  |                     |
| 20              | 16QAM      | 1       | 49        | 23.17                 | 23.33                    | 23.63                  |                     |
| 20              | 16QAM      | 1       | 99        | 23.10                 | 23.28                    | 23.51                  | 23.5                |
| 20              | 16QAM      | 50      | 0         | 22.21                 | 22.33                    | 22.62                  |                     |
| 20              | 16QAM      | 50      | 24        | 22.18                 | 22.33                    | 22.60                  |                     |
| 20              | 16QAM      | 50      | 50        | 22.24                 | 22.45                    | 22.71                  | 23.5                |
| 20              | 16QAM      | 100     | 0         | 22.19                 | 22.41                    | 22.63                  |                     |
| 20              | 64QAM      | 1       | 0         | 22.54                 | 22.75                    | 22.95                  |                     |
| 20              | 64QAM      | 1       | 49        | 22.56                 | 22.79                    | 22.99                  | 22.5                |
| 20              | 64QAM      | 1       | 99        | 22.58                 | 22.73                    | 22.94                  |                     |
| 20              | 64QAM      | 50      | 0         | 21.16                 | 21.30                    | 21.59                  |                     |
| 20              | 64QAM      | 50      | 24        | 21.17                 | 21.30                    | 21.60                  | 20.5                |
| 20              | 64QAM      | 50      | 50        | 21.19                 | 21.35                    | 21.64                  |                     |
| 20              | 64QAM      | 100     | 0         | 21.16                 | 21.29                    | 21.59                  |                     |
| 20              | 256QAM     | 1       | 0         | 19.10                 | 19.28                    | 19.60                  | 20.5                |
| 20              | 256QAM     | 1       | 49        | 19.22                 | 19.36                    | 19.68                  |                     |
| 20              | 256QAM     | 1       | 99        | 19.38                 | 19.53                    | 19.81                  |                     |
| 20              | 256QAM     | 50      | 0         | 19.22                 | 19.36                    | 19.65                  | 20.5                |
| 20              | 256QAM     | 50      | 24        | 19.28                 | 19.48                    | 19.75                  |                     |
| 20              | 256QAM     | 50      | 50        | 19.35                 | 19.53                    | 19.84                  |                     |
| 20              | 256QAM     | 100     | 0         | 19.31                 | 19.50                    | 19.74                  |                     |
| Channel         |            |         |           | 132047                | 132322                   | 132597                 |                     |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |
| 15              | QPSK       | 1       | 0         | 23.23                 | 23.42                    | 23.63                  | 24.5                |
| 15              | QPSK       | 1       | 37        | 23.23                 | 23.27                    | 23.60                  |                     |
| 15              | QPSK       | 1       | 74        | 23.08                 | 23.23                    | 23.54                  |                     |
| 15              | QPSK       | 36      | 0         | 23.11                 | 23.31                    | 23.64                  | 24                  |
| 15              | QPSK       | 36      | 20        | 23.15                 | 23.27                    | 23.57                  |                     |
| 15              | QPSK       | 36      | 39        | 23.16                 | 23.28                    | 23.59                  |                     |
| 15              | QPSK       | 75      | 0         | 22.98                 | 23.35                    | 23.50                  | 24                  |
| 15              | 16QAM      | 1       | 0         | 23.12                 | 23.30                    | 23.58                  |                     |
| 15              | 16QAM      | 1       | 37        | 23.11                 | 23.31                    | 23.58                  |                     |
| 15              | 16QAM      | 1       | 74        | 23.07                 | 23.24                    | 23.46                  | 23.5                |
| 15              | 16QAM      | 36      | 0         | 22.12                 | 22.27                    | 22.55                  |                     |
| 15              | 16QAM      | 36      | 20        | 22.12                 | 22.31                    | 22.51                  |                     |
| 15              | 16QAM      | 36      | 39        | 22.19                 | 22.37                    | 22.64                  | 23.5                |
| 15              | 16QAM      | 75      | 0         | 22.16                 | 22.31                    | 22.57                  |                     |
| 15              | 64QAM      | 1       | 0         | 22.48                 | 22.73                    | 22.85                  |                     |
| 15              | 64QAM      | 1       | 37        | 22.52                 | 22.74                    | 22.97                  | 22.5                |
| 15              | 64QAM      | 1       | 74        | 22.50                 | 22.63                    | 22.90                  |                     |
| 15              | 64QAM      | 36      | 0         | 21.07                 | 21.28                    | 21.54                  |                     |
| 15              | 64QAM      | 36      | 20        | 21.14                 | 21.25                    | 21.54                  | 20.5                |
| 15              | 64QAM      | 36      | 39        | 21.15                 | 21.29                    | 21.58                  |                     |
| 15              | 64QAM      | 75      | 0         | 21.11                 | 21.23                    | 21.51                  |                     |
| 15              | 256QAM     | 1       | 0         | 19.05                 | 19.18                    | 19.55                  | 20.5                |
| 15              | 256QAM     | 1       | 37        | 19.14                 | 19.29                    | 19.63                  |                     |
| 15              | 256QAM     | 1       | 74        | 19.33                 | 19.48                    | 19.72                  |                     |
| 15              | 256QAM     | 36      | 0         | 19.19                 | 19.32                    | 19.63                  | 20.5                |
| 15              | 256QAM     | 36      | 20        | 19.18                 | 19.44                    | 19.66                  |                     |



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|                 |        |    |    |        |        |        |                     |
|-----------------|--------|----|----|--------|--------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 19.28  | 19.51  | 19.74  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 19.24  | 19.45  | 19.67  |                     |
| Channel         |        |    |    | 132022 | 132322 | 132622 | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   |                     |
| 10              | QPSK   | 1  | 0  | 23.21  | 23.41  | 23.63  | 24.5                |
| 10              | QPSK   | 1  | 25 | 23.21  | 23.33  | 23.65  |                     |
| 10              | QPSK   | 1  | 49 | 23.13  | 23.27  | 23.52  |                     |
| 10              | QPSK   | 25 | 0  | 23.09  | 23.34  | 23.59  | 24                  |
| 10              | QPSK   | 25 | 12 | 23.11  | 23.26  | 23.59  |                     |
| 10              | QPSK   | 25 | 25 | 23.19  | 23.36  | 23.54  |                     |
| 10              | QPSK   | 50 | 0  | 22.98  | 23.29  | 23.54  |                     |
| 10              | 16QAM  | 1  | 0  | 23.12  | 23.31  | 23.62  | 24                  |
| 10              | 16QAM  | 1  | 25 | 23.13  | 23.24  | 23.59  |                     |
| 10              | 16QAM  | 1  | 49 | 23.01  | 23.18  | 23.42  |                     |
| 10              | 16QAM  | 25 | 0  | 22.19  | 22.26  | 22.57  | 23.5                |
| 10              | 16QAM  | 25 | 12 | 22.16  | 22.23  | 22.55  |                     |
| 10              | 16QAM  | 25 | 25 | 22.16  | 22.36  | 22.64  |                     |
| 10              | 16QAM  | 50 | 0  | 22.11  | 22.39  | 22.60  |                     |
| 10              | 64QAM  | 1  | 0  | 22.46  | 22.67  | 22.87  | 23.5                |
| 10              | 64QAM  | 1  | 25 | 22.52  | 22.77  | 22.89  |                     |
| 10              | 64QAM  | 1  | 49 | 22.55  | 22.64  | 22.86  |                     |
| 10              | 64QAM  | 25 | 0  | 21.06  | 21.25  | 21.51  | 22.5                |
| 10              | 64QAM  | 25 | 12 | 21.10  | 21.28  | 21.51  |                     |
| 10              | 64QAM  | 25 | 25 | 21.09  | 21.26  | 21.55  |                     |
| 10              | 64QAM  | 50 | 0  | 21.06  | 21.20  | 21.49  |                     |
| 10              | 256QAM | 1  | 0  | 19.05  | 19.18  | 19.52  | 20.5                |
| 10              | 256QAM | 1  | 25 | 19.19  | 19.28  | 19.58  |                     |
| 10              | 256QAM | 1  | 49 | 19.34  | 19.51  | 19.78  |                     |
| 10              | 256QAM | 25 | 0  | 19.15  | 19.28  | 19.57  | 20.5                |
| 10              | 256QAM | 25 | 12 | 19.24  | 19.41  | 19.67  |                     |
| 10              | 256QAM | 25 | 25 | 19.31  | 19.47  | 19.74  |                     |
| 10              | 256QAM | 50 | 0  | 19.24  | 19.48  | 19.70  |                     |
| Channel         |        |    |    | 131997 | 132322 | 132647 | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.24  | 23.37  | 23.59  | 24.5                |
| 5               | QPSK   | 1  | 12 | 23.17  | 23.28  | 23.58  |                     |
| 5               | QPSK   | 1  | 24 | 23.09  | 23.31  | 23.53  |                     |
| 5               | QPSK   | 12 | 0  | 23.09  | 23.30  | 23.60  | 24                  |
| 5               | QPSK   | 12 | 7  | 23.13  | 23.31  | 23.61  |                     |
| 5               | QPSK   | 12 | 13 | 23.17  | 23.29  | 23.54  |                     |
| 5               | QPSK   | 25 | 0  | 22.98  | 23.29  | 23.50  |                     |
| 5               | 16QAM  | 1  | 0  | 23.15  | 23.37  | 23.54  | 24                  |
| 5               | 16QAM  | 1  | 12 | 23.08  | 23.29  | 23.59  |                     |
| 5               | 16QAM  | 1  | 24 | 23.08  | 23.23  | 23.45  |                     |
| 5               | 16QAM  | 12 | 0  | 22.15  | 22.25  | 22.59  | 23.5                |
| 5               | 16QAM  | 12 | 7  | 22.15  | 22.25  | 22.53  |                     |
| 5               | 16QAM  | 12 | 13 | 22.19  | 22.41  | 22.69  |                     |
| 5               | 16QAM  | 25 | 0  | 22.11  | 22.33  | 22.54  |                     |
| 5               | 64QAM  | 1  | 0  | 22.52  | 22.66  | 22.92  | 23.5                |
| 5               | 64QAM  | 1  | 12 | 22.47  | 22.75  | 22.95  |                     |
| 5               | 64QAM  | 1  | 24 | 22.54  | 22.65  | 22.86  |                     |
| 5               | 64QAM  | 12 | 0  | 21.07  | 21.21  | 21.54  | 22.5                |
| 5               | 64QAM  | 12 | 7  | 21.14  | 21.23  | 21.50  |                     |
| 5               | 64QAM  | 12 | 13 | 21.09  | 21.32  | 21.58  |                     |
| 5               | 64QAM  | 25 | 0  | 21.10  | 21.22  | 21.49  |                     |
| 5               | 256QAM | 1  | 0  | 19.08  | 19.20  | 19.50  | 20.5                |
| 5               | 256QAM | 1  | 12 | 19.19  | 19.28  | 19.65  |                     |
| 5               | 256QAM | 1  | 24 | 19.31  | 19.49  | 19.76  |                     |
| 5               | 256QAM | 12 | 0  | 19.19  | 19.29  | 19.62  | 20.5                |
| 5               | 256QAM | 12 | 7  | 19.21  | 19.45  | 19.72  |                     |
| 5               | 256QAM | 12 | 13 | 19.30  | 19.49  | 19.74  |                     |
| 5               | 256QAM | 25 | 0  | 19.23  | 19.41  | 19.68  |                     |



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| Channel         |        |    |    | 131987 | 132322 | 132657 | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 |                        |
| 3               | QPSK   | 1  | 0  | 23.21  | 23.41  | 23.60  | 24.5                   |
| 3               | QPSK   | 1  | 8  | 23.20  | 23.32  | 23.65  |                        |
| 3               | QPSK   | 1  | 14 | 23.11  | 23.28  | 23.53  |                        |
| 3               | QPSK   | 8  | 0  | 23.09  | 23.35  | 23.63  | 24                     |
| 3               | QPSK   | 8  | 4  | 23.11  | 23.29  | 23.55  |                        |
| 3               | QPSK   | 8  | 7  | 23.13  | 23.34  | 23.55  |                        |
| 3               | QPSK   | 15 | 0  | 23.02  | 23.28  | 23.51  |                        |
| 3               | 16QAM  | 1  | 0  | 23.18  | 23.30  | 23.54  | 24                     |
| 3               | 16QAM  | 1  | 8  | 23.12  | 23.30  | 23.54  |                        |
| 3               | 16QAM  | 1  | 14 | 23.07  | 23.18  | 23.42  |                        |
| 3               | 16QAM  | 8  | 0  | 22.19  | 22.30  | 22.53  | 23.5                   |
| 3               | 16QAM  | 8  | 4  | 22.15  | 22.24  | 22.55  |                        |
| 3               | 16QAM  | 8  | 7  | 22.18  | 22.38  | 22.62  |                        |
| 3               | 16QAM  | 15 | 0  | 22.15  | 22.31  | 22.56  |                        |
| 3               | 64QAM  | 1  | 0  | 22.49  | 22.70  | 22.91  | 23.5                   |
| 3               | 64QAM  | 1  | 8  | 22.51  | 22.74  | 22.95  |                        |
| 3               | 64QAM  | 1  | 14 | 22.52  | 22.63  | 22.90  |                        |
| 3               | 64QAM  | 8  | 0  | 21.14  | 21.28  | 21.49  | 22.5                   |
| 3               | 64QAM  | 8  | 4  | 21.11  | 21.25  | 21.54  |                        |
| 3               | 64QAM  | 8  | 7  | 21.13  | 21.33  | 21.55  |                        |
| 3               | 64QAM  | 15 | 0  | 21.12  | 21.27  | 21.53  |                        |
| 3               | 256QAM | 1  | 0  | 19.05  | 19.19  | 19.54  | 20.5                   |
| 3               | 256QAM | 1  | 8  | 19.12  | 19.33  | 19.62  |                        |
| 3               | 256QAM | 1  | 14 | 19.35  | 19.51  | 19.72  |                        |
| 3               | 256QAM | 8  | 0  | 19.15  | 19.29  | 19.60  | 20.5                   |
| 3               | 256QAM | 8  | 4  | 19.26  | 19.43  | 19.72  |                        |
| 3               | 256QAM | 8  | 7  | 19.27  | 19.47  | 19.79  |                        |
| 3               | 256QAM | 15 | 0  | 19.28  | 19.45  | 19.70  |                        |
| Channel         |        |    |    | 131979 | 132322 | 132665 | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1710.7 | 1745   | 1779.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 23.15  | 23.40  | 23.55  | 24.5                   |
| 1.4             | QPSK   | 1  | 3  | 23.10  | 23.22  | 23.58  |                        |
| 1.4             | QPSK   | 1  | 5  | 23.07  | 23.23  | 23.44  |                        |
| 1.4             | QPSK   | 3  | 0  | 23.02  | 23.32  | 23.55  |                        |
| 1.4             | QPSK   | 3  | 1  | 23.09  | 23.25  | 23.54  |                        |
| 1.4             | QPSK   | 3  | 3  | 23.04  | 23.33  | 23.53  |                        |
| 1.4             | QPSK   | 6  | 0  | 22.93  | 23.26  | 23.48  | 24                     |
| 1.4             | 16QAM  | 1  | 0  | 23.11  | 23.24  | 23.49  | 24                     |
| 1.4             | 16QAM  | 1  | 3  | 23.08  | 23.22  | 23.48  |                        |
| 1.4             | 16QAM  | 1  | 5  | 22.98  | 23.16  | 23.34  |                        |
| 1.4             | 16QAM  | 3  | 0  | 22.10  | 22.27  | 22.43  |                        |
| 1.4             | 16QAM  | 3  | 1  | 22.10  | 22.20  | 22.53  |                        |
| 1.4             | 16QAM  | 3  | 3  | 22.15  | 22.29  | 22.56  |                        |
| 1.4             | 16QAM  | 6  | 0  | 22.12  | 22.26  | 22.51  | 23.5                   |
| 1.4             | 64QAM  | 1  | 0  | 22.48  | 22.65  | 22.90  | 23.5                   |
| 1.4             | 64QAM  | 1  | 3  | 22.48  | 22.69  | 22.87  |                        |
| 1.4             | 64QAM  | 1  | 5  | 22.50  | 22.60  | 22.84  |                        |
| 1.4             | 64QAM  | 3  | 0  | 22.04  | 22.23  | 22.42  |                        |
| 1.4             | 64QAM  | 3  | 1  | 22.07  | 22.24  | 22.49  |                        |
| 1.4             | 64QAM  | 3  | 3  | 22.03  | 22.24  | 21.50  |                        |
| 1.4             | 64QAM  | 6  | 0  | 21.06  | 21.23  | 21.48  | 22.5                   |
| 1.4             | 256QAM | 1  | 0  | 19.03  | 19.13  | 19.48  | 20.5                   |
| 1.4             | 256QAM | 1  | 3  | 19.08  | 19.25  | 19.60  |                        |
| 1.4             | 256QAM | 1  | 5  | 19.31  | 19.41  | 19.71  |                        |
| 1.4             | 256QAM | 3  | 0  | 19.09  | 19.21  | 19.54  |                        |
| 1.4             | 256QAM | 3  | 1  | 19.20  | 19.42  | 19.65  |                        |
| 1.4             | 256QAM | 3  | 3  | 19.17  | 19.46  | 19.77  |                        |
| 1.4             | 256QAM | 6  | 0  | 19.20  | 19.44  | 19.67  | 20.5                   |

**<LTE Band 66\_Ant 1\_DSI 1 (Wlan On)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 132072                   | 132322                      | 132572                    |                        |
| Frequency (MHz) |            |         |           | 1720                     | 1745                        | 1770                      |                        |
| 20              | QPSK       | 1       | 0         | 22.03                    | 22.24                       | 22.18                     | 22.6                   |
| 20              | QPSK       | 1       | 49        | 21.90                    | 22.16                       | 22.13                     |                        |
| 20              | QPSK       | 1       | 99        | 22.02                    | 22.23                       | 22.02                     |                        |
| 20              | QPSK       | 50      | 0         | 20.90                    | 21.24                       | 21.17                     | 21.6                   |
| 20              | QPSK       | 50      | 24        | 21.00                    | 21.23                       | 21.15                     |                        |
| 20              | QPSK       | 50      | 50        | 21.01                    | 21.26                       | 21.19                     |                        |
| 20              | QPSK       | 100     | 0         | 20.98                    | 21.21                       | 21.15                     |                        |
| 20              | 16QAM      | 1       | 0         | 21.29                    | 21.47                       | 21.50                     | 21.6                   |
| 20              | 16QAM      | 1       | 49        | 21.21                    | 21.45                       | 21.41                     |                        |
| 20              | 16QAM      | 1       | 99        | 21.27                    | 21.53                       | 21.38                     |                        |
| 20              | 16QAM      | 50      | 0         | 19.90                    | 20.23                       | 20.18                     | 20.6                   |
| 20              | 16QAM      | 50      | 24        | 20.00                    | 20.24                       | 20.17                     |                        |
| 20              | 16QAM      | 50      | 50        | 20.02                    | 20.28                       | 20.23                     |                        |
| 20              | 16QAM      | 100     | 0         | 19.98                    | 20.23                       | 20.16                     |                        |
| 20              | 64QAM      | 1       | 0         | 20.12                    | 20.35                       | 20.33                     | 20.6                   |
| 20              | 64QAM      | 1       | 49        | 20.07                    | 20.34                       | 20.27                     |                        |
| 20              | 64QAM      | 1       | 99        | 20.18                    | 20.36                       | 20.21                     |                        |
| 20              | 64QAM      | 50      | 0         | 18.92                    | 19.23                       | 19.18                     | 19.6                   |
| 20              | 64QAM      | 50      | 24        | 19.00                    | 19.24                       | 19.17                     |                        |
| 20              | 64QAM      | 50      | 50        | 19.01                    | 19.28                       | 19.23                     |                        |
| 20              | 64QAM      | 100     | 0         | 19.01                    | 19.22                       | 19.15                     |                        |
| 20              | 256QAM     | 1       | 0         | 17.09                    | 17.35                       | 17.19                     | 17.6                   |
| 20              | 256QAM     | 1       | 49        | 16.93                    | 17.24                       | 17.15                     |                        |
| 20              | 256QAM     | 1       | 99        | 17.09                    | 17.41                       | 17.29                     |                        |
| 20              | 256QAM     | 50      | 0         | 16.84                    | 17.15                       | 17.04                     | 17.6                   |
| 20              | 256QAM     | 50      | 24        | 16.97                    | 17.26                       | 17.11                     |                        |
| 20              | 256QAM     | 50      | 50        | 16.83                    | 17.07                       | 16.90                     |                        |
| 20              | 256QAM     | 100     | 0         | 16.91                    | 17.19                       | 17.09                     |                        |
| Channel         |            |         |           | 132047                   | 132322                      | 132597                    |                        |
| Frequency (MHz) |            |         |           | 1717.5                   | 1745                        | 1772.5                    |                        |
| 15              | QPSK       | 1       | 0         | 21.93                    | 22.17                       | 22.09                     | 22.6                   |
| 15              | QPSK       | 1       | 37        | 21.85                    | 22.09                       | 22.05                     |                        |
| 15              | QPSK       | 1       | 74        | 21.92                    | 22.15                       | 21.96                     |                        |
| 15              | QPSK       | 36      | 0         | 20.84                    | 21.17                       | 21.09                     | 21.6                   |
| 15              | QPSK       | 36      | 20        | 20.95                    | 21.16                       | 21.05                     |                        |
| 15              | QPSK       | 36      | 39        | 20.94                    | 21.20                       | 21.09                     |                        |
| 15              | QPSK       | 75      | 0         | 20.91                    | 21.12                       | 21.06                     |                        |
| 15              | 16QAM      | 1       | 0         | 21.21                    | 21.41                       | 21.41                     | 21.6                   |
| 15              | 16QAM      | 1       | 37        | 21.12                    | 21.39                       | 21.35                     |                        |
| 15              | 16QAM      | 1       | 74        | 21.22                    | 21.47                       | 21.32                     |                        |
| 15              | 16QAM      | 36      | 0         | 19.84                    | 20.15                       | 20.09                     | 20.6                   |
| 15              | 16QAM      | 36      | 20        | 19.90                    | 20.19                       | 20.12                     |                        |
| 15              | 16QAM      | 36      | 39        | 19.93                    | 20.20                       | 20.14                     |                        |
| 15              | 16QAM      | 75      | 0         | 19.90                    | 20.18                       | 20.07                     |                        |
| 15              | 64QAM      | 1       | 0         | 20.05                    | 20.28                       | 20.28                     | 20.6                   |
| 15              | 64QAM      | 1       | 37        | 20.01                    | 20.29                       | 20.20                     |                        |
| 15              | 64QAM      | 1       | 74        | 20.08                    | 20.31                       | 20.12                     |                        |
| 15              | 64QAM      | 36      | 0         | 18.82                    | 19.16                       | 19.10                     | 19.6                   |
| 15              | 64QAM      | 36      | 20        | 18.90                    | 19.16                       | 19.08                     |                        |
| 15              | 64QAM      | 36      | 39        | 18.96                    | 19.18                       | 19.13                     |                        |
| 15              | 64QAM      | 75      | 0         | 18.93                    | 19.15                       | 19.10                     |                        |
| 15              | 256QAM     | 1       | 0         | 17.00                    | 17.27                       | 17.12                     | 17.6                   |
| 15              | 256QAM     | 1       | 37        | 16.84                    | 17.17                       | 17.08                     |                        |
| 15              | 256QAM     | 1       | 74        | 17.03                    | 17.36                       | 17.24                     |                        |
| 15              | 256QAM     | 36      | 0         | 16.75                    | 17.05                       | 16.96                     | 17.6                   |
| 15              | 256QAM     | 36      | 20        | 16.90                    | 17.17                       | 17.01                     |                        |



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|                 |        |    |    |        |        |        |                     |
|-----------------|--------|----|----|--------|--------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 16.76  | 16.97  | 16.83  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 16.82  | 17.14  | 16.99  |                     |
| Channel         |        |    |    | 132022 | 132322 | 132622 | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   |                     |
| 10              | QPSK   | 1  | 0  | 21.96  | 22.14  | 22.11  | 22.6                |
| 10              | QPSK   | 1  | 25 | 21.84  | 22.09  | 22.05  |                     |
| 10              | QPSK   | 1  | 49 | 21.95  | 22.18  | 21.93  |                     |
| 10              | QPSK   | 25 | 0  | 20.82  | 21.18  | 21.07  | 21.6                |
| 10              | QPSK   | 25 | 12 | 20.94  | 21.16  | 21.05  |                     |
| 10              | QPSK   | 25 | 25 | 20.91  | 21.17  | 21.13  |                     |
| 10              | QPSK   | 50 | 0  | 20.89  | 21.16  | 21.09  |                     |
| 10              | 16QAM  | 1  | 0  | 21.19  | 21.38  | 21.45  | 21.6                |
| 10              | 16QAM  | 1  | 25 | 21.15  | 21.35  | 21.35  |                     |
| 10              | 16QAM  | 1  | 49 | 21.20  | 21.46  | 21.32  |                     |
| 10              | 16QAM  | 25 | 0  | 19.83  | 20.16  | 20.10  | 20.6                |
| 10              | 16QAM  | 25 | 12 | 19.92  | 20.16  | 20.10  |                     |
| 10              | 16QAM  | 25 | 25 | 19.94  | 20.20  | 20.17  |                     |
| 10              | 16QAM  | 50 | 0  | 19.88  | 20.18  | 20.09  |                     |
| 10              | 64QAM  | 1  | 0  | 20.06  | 20.28  | 20.25  | 20.6                |
| 10              | 64QAM  | 1  | 25 | 20.01  | 20.27  | 20.17  |                     |
| 10              | 64QAM  | 1  | 49 | 20.09  | 20.31  | 20.14  |                     |
| 10              | 64QAM  | 25 | 0  | 18.86  | 19.14  | 19.09  | 19.6                |
| 10              | 64QAM  | 25 | 12 | 18.95  | 19.16  | 19.10  |                     |
| 10              | 64QAM  | 25 | 25 | 18.92  | 19.21  | 19.13  |                     |
| 10              | 64QAM  | 50 | 0  | 18.91  | 19.12  | 19.09  |                     |
| 10              | 256QAM | 1  | 0  | 17.01  | 17.26  | 17.11  | 17.6                |
| 10              | 256QAM | 1  | 25 | 16.83  | 17.19  | 17.08  |                     |
| 10              | 256QAM | 1  | 49 | 17.03  | 17.31  | 17.21  |                     |
| 10              | 256QAM | 25 | 0  | 16.79  | 17.06  | 16.96  | 17.6                |
| 10              | 256QAM | 25 | 12 | 16.92  | 17.21  | 17.06  |                     |
| 10              | 256QAM | 25 | 25 | 16.77  | 17.01  | 16.80  |                     |
| 10              | 256QAM | 50 | 0  | 16.83  | 17.12  | 16.99  |                     |
| Channel         |        |    |    | 131997 | 132322 | 132647 | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 |                     |
| 5               | QPSK   | 1  | 0  | 21.97  | 22.16  | 22.12  | 22.6                |
| 5               | QPSK   | 1  | 12 | 21.85  | 22.11  | 22.03  |                     |
| 5               | QPSK   | 1  | 24 | 21.96  | 22.16  | 21.92  |                     |
| 5               | QPSK   | 12 | 0  | 20.80  | 21.17  | 21.11  | 21.6                |
| 5               | QPSK   | 12 | 7  | 20.95  | 21.13  | 21.05  |                     |
| 5               | QPSK   | 12 | 13 | 20.92  | 21.16  | 21.14  |                     |
| 5               | QPSK   | 25 | 0  | 20.93  | 21.13  | 21.08  |                     |
| 5               | 16QAM  | 1  | 0  | 21.19  | 21.40  | 21.43  | 21.6                |
| 5               | 16QAM  | 1  | 12 | 21.11  | 21.35  | 21.34  |                     |
| 5               | 16QAM  | 1  | 24 | 21.21  | 21.48  | 21.28  |                     |
| 5               | 16QAM  | 12 | 0  | 19.80  | 20.18  | 20.10  | 20.6                |
| 5               | 16QAM  | 12 | 7  | 19.94  | 20.14  | 20.12  |                     |
| 5               | 16QAM  | 12 | 13 | 19.96  | 20.21  | 20.18  |                     |
| 5               | 16QAM  | 25 | 0  | 19.90  | 20.13  | 20.09  |                     |
| 5               | 64QAM  | 1  | 0  | 20.06  | 20.26  | 20.25  | 20.6                |
| 5               | 64QAM  | 1  | 12 | 20.02  | 20.24  | 20.19  |                     |
| 5               | 64QAM  | 1  | 24 | 20.13  | 20.29  | 20.15  |                     |
| 5               | 64QAM  | 12 | 0  | 18.84  | 19.15  | 19.10  | 19.6                |
| 5               | 64QAM  | 12 | 7  | 18.90  | 19.19  | 19.10  |                     |
| 5               | 64QAM  | 12 | 13 | 18.95  | 19.18  | 19.16  |                     |
| 5               | 64QAM  | 25 | 0  | 18.94  | 19.12  | 19.07  |                     |
| 5               | 256QAM | 1  | 0  | 17.00  | 17.25  | 17.11  | 17.6                |
| 5               | 256QAM | 1  | 12 | 16.84  | 17.18  | 17.08  |                     |
| 5               | 256QAM | 1  | 24 | 16.99  | 17.32  | 17.22  |                     |
| 5               | 256QAM | 12 | 0  | 16.74  | 17.10  | 16.97  | 17.6                |
| 5               | 256QAM | 12 | 7  | 16.88  | 17.20  | 17.05  |                     |
| 5               | 256QAM | 12 | 13 | 16.75  | 17.02  | 16.81  |                     |
| 5               | 256QAM | 25 | 0  | 16.81  | 17.14  | 16.99  |                     |



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| Channel         |        |    |    | 131987 | 132322 | 132657 | Tune-up limit<br>(dBm) |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 |                        |
| 3               | QPSK   | 1  | 0  | 21.98  | 22.18  | 22.08  | 22.6                   |
| 3               | QPSK   | 1  | 8  | 21.84  | 22.09  | 22.06  |                        |
| 3               | QPSK   | 1  | 14 | 21.93  | 22.16  | 21.93  |                        |
| 3               | QPSK   | 8  | 0  | 20.81  | 21.17  | 21.12  | 21.6                   |
| 3               | QPSK   | 8  | 4  | 20.91  | 21.16  | 21.06  |                        |
| 3               | QPSK   | 8  | 7  | 20.91  | 21.21  | 21.12  |                        |
| 3               | QPSK   | 15 | 0  | 20.93  | 21.12  | 21.06  |                        |
| 3               | 16QAM  | 1  | 0  | 21.23  | 21.38  | 21.42  | 21.6                   |
| 3               | 16QAM  | 1  | 8  | 21.14  | 21.35  | 21.33  |                        |
| 3               | 16QAM  | 1  | 14 | 21.19  | 21.44  | 21.28  |                        |
| 3               | 16QAM  | 8  | 0  | 19.83  | 20.16  | 20.11  | 20.6                   |
| 3               | 16QAM  | 8  | 4  | 19.93  | 20.15  | 20.10  |                        |
| 3               | 16QAM  | 8  | 7  | 19.93  | 20.20  | 20.13  |                        |
| 3               | 16QAM  | 15 | 0  | 19.92  | 20.18  | 20.10  |                        |
| 3               | 64QAM  | 1  | 0  | 20.07  | 20.30  | 20.26  | 20.6                   |
| 3               | 64QAM  | 1  | 8  | 19.99  | 20.26  | 20.21  |                        |
| 3               | 64QAM  | 1  | 14 | 20.10  | 20.31  | 20.11  |                        |
| 3               | 64QAM  | 8  | 0  | 18.84  | 19.15  | 19.10  | 19.6                   |
| 3               | 64QAM  | 8  | 4  | 18.90  | 19.18  | 19.09  |                        |
| 3               | 64QAM  | 8  | 7  | 18.95  | 19.21  | 19.14  |                        |
| 3               | 64QAM  | 15 | 0  | 18.92  | 19.16  | 19.08  |                        |
| 3               | 256QAM | 1  | 0  | 17.01  | 17.25  | 17.10  | 17.6                   |
| 3               | 256QAM | 1  | 8  | 16.86  | 17.17  | 17.09  |                        |
| 3               | 256QAM | 1  | 14 | 16.99  | 17.31  | 17.20  |                        |
| 3               | 256QAM | 8  | 0  | 16.74  | 17.09  | 16.97  | 17.6                   |
| 3               | 256QAM | 8  | 4  | 16.91  | 17.18  | 17.01  |                        |
| 3               | 256QAM | 8  | 7  | 16.74  | 17.02  | 16.84  |                        |
| 3               | 256QAM | 15 | 0  | 16.84  | 17.13  | 17.04  |                        |
| Channel         |        |    |    | 131979 | 132322 | 132665 | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 1710.7 | 1745   | 1779.3 |                        |
| 1.4             | QPSK   | 1  | 0  | 21.74  | 22.07  | 21.98  | 22.6                   |
| 1.4             | QPSK   | 1  | 3  | 21.79  | 22.14  | 22.03  |                        |
| 1.4             | QPSK   | 1  | 5  | 21.78  | 22.10  | 21.96  |                        |
| 1.4             | QPSK   | 3  | 0  | 21.76  | 22.11  | 22.03  |                        |
| 1.4             | QPSK   | 3  | 1  | 21.78  | 22.12  | 22.03  |                        |
| 1.4             | QPSK   | 3  | 3  | 21.80  | 22.11  | 22.00  |                        |
| 1.4             | QPSK   | 6  | 0  | 20.79  | 21.08  | 21.04  | 21.6                   |
| 1.4             | 16QAM  | 1  | 0  | 21.07  | 21.41  | 21.28  | 21.6                   |
| 1.4             | 16QAM  | 1  | 3  | 21.12  | 21.43  | 21.37  |                        |
| 1.4             | 16QAM  | 1  | 5  | 21.12  | 21.35  | 21.35  |                        |
| 1.4             | 16QAM  | 3  | 0  | 20.92  | 21.22  | 21.10  |                        |
| 1.4             | 16QAM  | 3  | 1  | 20.91  | 21.24  | 21.17  |                        |
| 1.4             | 16QAM  | 3  | 3  | 20.89  | 21.26  | 21.15  | 20.6                   |
| 1.4             | 16QAM  | 6  | 0  | 19.85  | 20.13  | 20.10  |                        |
| 1.4             | 64QAM  | 1  | 0  | 19.98  | 20.32  | 20.16  | 20.6                   |
| 1.4             | 64QAM  | 1  | 3  | 20.00  | 20.34  | 20.29  |                        |
| 1.4             | 64QAM  | 1  | 5  | 19.93  | 20.26  | 20.19  |                        |
| 1.4             | 64QAM  | 3  | 0  | 19.93  | 20.22  | 20.12  |                        |
| 1.4             | 64QAM  | 3  | 1  | 19.90  | 20.28  | 20.11  |                        |
| 1.4             | 64QAM  | 3  | 3  | 19.89  | 20.22  | 20.16  |                        |
| 1.4             | 64QAM  | 6  | 0  | 18.90  | 19.12  | 19.09  | 19.6                   |
| 1.4             | 256QAM | 1  | 0  | 16.95  | 17.20  | 17.06  | 17.6                   |
| 1.4             | 256QAM | 1  | 3  | 16.79  | 17.13  | 17.03  |                        |
| 1.4             | 256QAM | 1  | 5  | 16.94  | 17.27  | 17.17  |                        |
| 1.4             | 256QAM | 3  | 0  | 16.69  | 17.05  | 16.92  |                        |
| 1.4             | 256QAM | 3  | 1  | 16.83  | 17.15  | 17.00  |                        |
| 1.4             | 256QAM | 3  | 3  | 16.70  | 16.97  | 16.76  | 17.6                   |
| 1.4             | 256QAM | 6  | 0  | 16.76  | 17.09  | 16.94  |                        |

**<LTE Band 71\_Ant 1\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 133222                   | 133297                      | 133372                    |                        |
| Frequency (MHz) |            |         |           | 673                      | 680.5                       | 688                       |                        |
| 20              | QPSK       | 1       | 0         | 23.54                    | 23.65                       | 23.64                     |                        |
| 20              | QPSK       | 1       | 49        | 23.48                    | 23.60                       | 23.62                     | 25.2                   |
| 20              | QPSK       | 1       | 99        | 23.50                    | 23.56                       | 23.58                     |                        |
| 20              | QPSK       | 50      | 0         | 22.53                    | 22.63                       | 22.66                     |                        |
| 20              | QPSK       | 50      | 24        | 22.58                    | 22.58                       | 22.67                     | 24.2                   |
| 20              | QPSK       | 50      | 50        | 22.60                    | 22.69                       | 22.68                     |                        |
| 20              | QPSK       | 100     | 0         | 22.57                    | 22.65                       | 22.64                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.76                    | 22.92                       | 22.89                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 22.72                    | 23.00                       | 22.93                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.82                    | 22.93                       | 22.93                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.50                    | 21.58                       | 21.60                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 21.58                    | 21.69                       | 21.66                     |                        |
| 20              | 16QAM      | 50      | 50        | 21.58                    | 21.69                       | 21.75                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.59                    | 21.67                       | 21.70                     | 23.2                   |
| 20              | 64QAM      | 1       | 0         | 21.75                    | 21.65                       | 21.81                     |                        |
| 20              | 64QAM      | 1       | 49        | 21.58                    | 21.82                       | 21.91                     |                        |
| 20              | 64QAM      | 1       | 99        | 21.61                    | 21.85                       | 21.73                     | 22.2                   |
| 20              | 64QAM      | 50      | 0         | 20.50                    | 20.59                       | 20.64                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.58                    | 20.66                       | 20.65                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.55                    | 20.70                       | 20.74                     | 20.2                   |
| 20              | 64QAM      | 100     | 0         | 20.57                    | 20.61                       | 20.74                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.64                    | 18.67                       | 18.75                     |                        |
| 20              | 256QAM     | 1       | 49        | 18.60                    | 18.68                       | 18.82                     | 20.2                   |
| 20              | 256QAM     | 1       | 99        | 18.75                    | 18.87                       | 18.89                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.55                    | 18.67                       | 18.72                     |                        |
| 20              | 256QAM     | 50      | 24        | 18.56                    | 18.70                       | 18.75                     | 20.2                   |
| 20              | 256QAM     | 50      | 50        | 18.61                    | 18.75                       | 18.78                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.66                    | 18.69                       | 18.77                     |                        |
| Channel         |            |         |           | 133197                   | 133297                      | 133397                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 670.5                    | 680.5                       | 690.5                     |                        |
| 15              | QPSK       | 1       | 0         | 23.38                    | 23.46                       | 23.54                     |                        |
| 15              | QPSK       | 1       | 37        | 23.37                    | 23.45                       | 23.47                     | 25.2                   |
| 15              | QPSK       | 1       | 74        | 23.34                    | 23.39                       | 23.43                     |                        |
| 15              | QPSK       | 36      | 0         | 22.33                    | 22.50                       | 22.51                     |                        |
| 15              | QPSK       | 36      | 20        | 22.44                    | 22.46                       | 22.55                     | 24.2                   |
| 15              | QPSK       | 36      | 39        | 22.45                    | 22.51                       | 22.49                     |                        |
| 15              | QPSK       | 75      | 0         | 22.37                    | 22.54                       | 22.54                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.65                    | 22.75                       | 22.71                     | 24.2                   |
| 15              | 16QAM      | 1       | 37        | 22.57                    | 22.89                       | 22.76                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.69                    | 22.76                       | 22.77                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.40                    | 21.46                       | 21.46                     | 23.2                   |
| 15              | 16QAM      | 36      | 20        | 21.48                    | 21.52                       | 21.55                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.46                    | 21.59                       | 21.62                     |                        |
| 15              | 16QAM      | 75      | 0         | 21.44                    | 21.55                       | 21.53                     | 23.2                   |
| 15              | 64QAM      | 1       | 0         | 21.57                    | 21.51                       | 21.69                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.45                    | 21.72                       | 21.79                     |                        |
| 15              | 64QAM      | 1       | 74        | 21.51                    | 21.69                       | 21.55                     | 22.2                   |
| 15              | 64QAM      | 36      | 0         | 20.32                    | 20.49                       | 20.46                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.41                    | 20.53                       | 20.45                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.42                    | 20.50                       | 20.55                     | 20.2                   |
| 15              | 64QAM      | 75      | 0         | 20.38                    | 20.48                       | 20.63                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.50                    | 18.47                       | 18.59                     |                        |
| 15              | 256QAM     | 1       | 37        | 18.40                    | 18.54                       | 18.62                     | 20.2                   |
| 15              | 256QAM     | 1       | 74        | 18.55                    | 18.76                       | 18.71                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.36                    | 18.53                       | 18.53                     |                        |
| 15              | 256QAM     | 36      | 20        | 18.37                    | 18.56                       | 18.60                     | 20.2                   |
| 15              | 256QAM     | 36      | 39        | 18.43                    | 18.65                       | 18.61                     |                        |



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|                 |        |    |    |        |        |        |                        |
|-----------------|--------|----|----|--------|--------|--------|------------------------|
| 15              | 256QAM | 75 | 0  | 18.49  | 18.55  | 18.64  | Tune-up limit<br>(dBm) |
| Channel         |        |    |    | 133172 | 133297 | 133422 |                        |
| Frequency (MHz) |        |    |    | 668    | 680.5  | 693    |                        |
| 10              | QPSK   | 1  | 0  | 23.40  | 23.54  | 23.47  | 25.2                   |
| 10              | QPSK   | 1  | 25 | 23.36  | 23.49  | 23.49  |                        |
| 10              | QPSK   | 1  | 49 | 23.32  | 23.37  | 23.46  |                        |
| 10              | QPSK   | 25 | 0  | 22.35  | 22.44  | 22.49  | 24.2                   |
| 10              | QPSK   | 25 | 12 | 22.48  | 22.45  | 22.54  |                        |
| 10              | QPSK   | 25 | 25 | 22.45  | 22.52  | 22.57  |                        |
| 10              | QPSK   | 50 | 0  | 22.43  | 22.53  | 22.50  |                        |
| 10              | 16QAM  | 1  | 0  | 22.63  | 22.72  | 22.77  | 24.2                   |
| 10              | 16QAM  | 1  | 25 | 22.55  | 22.90  | 22.74  |                        |
| 10              | 16QAM  | 1  | 49 | 22.67  | 22.76  | 22.80  |                        |
| 10              | 16QAM  | 25 | 0  | 21.35  | 21.42  | 21.40  | 23.2                   |
| 10              | 16QAM  | 25 | 12 | 21.45  | 21.53  | 21.49  |                        |
| 10              | 16QAM  | 25 | 25 | 21.40  | 21.51  | 21.65  |                        |
| 10              | 16QAM  | 50 | 0  | 21.49  | 21.53  | 21.52  |                        |
| 10              | 64QAM  | 1  | 0  | 21.55  | 21.47  | 21.62  | 23.2                   |
| 10              | 64QAM  | 1  | 25 | 21.42  | 21.72  | 21.76  |                        |
| 10              | 64QAM  | 1  | 49 | 21.42  | 21.74  | 21.55  |                        |
| 10              | 64QAM  | 25 | 0  | 20.36  | 20.42  | 20.49  | 22.2                   |
| 10              | 64QAM  | 25 | 12 | 20.40  | 20.55  | 20.48  |                        |
| 10              | 64QAM  | 25 | 25 | 20.42  | 20.60  | 20.59  |                        |
| 10              | 64QAM  | 50 | 0  | 20.47  | 20.48  | 20.59  |                        |
| 10              | 256QAM | 1  | 0  | 18.53  | 18.53  | 18.64  | 20.2                   |
| 10              | 256QAM | 1  | 25 | 18.47  | 18.57  | 18.66  |                        |
| 10              | 256QAM | 1  | 49 | 18.62  | 18.72  | 18.77  |                        |
| 10              | 256QAM | 25 | 0  | 18.38  | 18.52  | 18.62  | 20.2                   |
| 10              | 256QAM | 25 | 12 | 18.40  | 18.51  | 18.59  |                        |
| 10              | 256QAM | 25 | 25 | 18.51  | 18.61  | 18.66  |                        |
| 10              | 256QAM | 50 | 0  | 18.46  | 18.52  | 18.61  |                        |
| Channel         |        |    |    | 133147 | 133297 | 133447 | Tune-up limit<br>(dBm) |
| Frequency (MHz) |        |    |    | 665.5  | 680.5  | 695.5  |                        |
| 5               | QPSK   | 1  | 0  | 23.35  | 23.48  | 23.49  | 25.2                   |
| 5               | QPSK   | 1  | 12 | 23.35  | 23.50  | 23.50  |                        |
| 5               | QPSK   | 1  | 24 | 23.31  | 23.46  | 23.48  |                        |
| 5               | QPSK   | 12 | 0  | 22.43  | 22.52  | 22.56  | 24.2                   |
| 5               | QPSK   | 12 | 7  | 22.46  | 22.40  | 22.52  |                        |
| 5               | QPSK   | 12 | 13 | 22.48  | 22.56  | 22.50  |                        |
| 5               | QPSK   | 25 | 0  | 22.38  | 22.45  | 22.45  |                        |
| 5               | 16QAM  | 1  | 0  | 22.64  | 22.80  | 22.73  | 24.2                   |
| 5               | 16QAM  | 1  | 12 | 22.52  | 22.89  | 22.78  |                        |
| 5               | 16QAM  | 1  | 24 | 22.66  | 22.73  | 22.73  |                        |
| 5               | 16QAM  | 12 | 0  | 21.34  | 21.40  | 21.49  | 23.2                   |
| 5               | 16QAM  | 12 | 7  | 21.48  | 21.54  | 21.51  |                        |
| 5               | 16QAM  | 12 | 13 | 21.44  | 21.56  | 21.58  |                        |
| 5               | 16QAM  | 25 | 0  | 21.40  | 21.50  | 21.53  |                        |
| 5               | 64QAM  | 1  | 0  | 21.64  | 21.47  | 21.64  | 23.2                   |
| 5               | 64QAM  | 1  | 12 | 21.42  | 21.67  | 21.78  |                        |
| 5               | 64QAM  | 1  | 24 | 21.48  | 21.72  | 21.57  |                        |
| 5               | 64QAM  | 12 | 0  | 20.36  | 20.44  | 20.46  | 22.2                   |
| 5               | 64QAM  | 12 | 7  | 20.48  | 20.48  | 20.47  |                        |
| 5               | 64QAM  | 12 | 13 | 20.44  | 20.56  | 20.62  |                        |
| 5               | 64QAM  | 25 | 0  | 20.37  | 20.46  | 20.57  |                        |
| 5               | 256QAM | 1  | 0  | 18.49  | 18.49  | 18.55  | 20.2                   |
| 5               | 256QAM | 1  | 12 | 18.41  | 18.49  | 18.63  |                        |
| 5               | 256QAM | 1  | 24 | 18.62  | 18.73  | 18.74  |                        |
| 5               | 256QAM | 12 | 0  | 18.35  | 18.48  | 18.58  | 20.2                   |
| 5               | 256QAM | 12 | 7  | 18.36  | 18.52  | 18.63  |                        |
| 5               | 256QAM | 12 | 13 | 18.41  | 18.64  | 18.64  |                        |
| 5               | 256QAM | 25 | 0  | 18.55  | 18.52  | 18.60  |                        |

**<FR1 n2\_Ant 1\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 372000                   | 376000                      | 380000                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |
| 20              | PI/2 BPSK  | 1       | 1         | 24.75                    | 24.87                       | 24.88                     | 25.2                   |
| 20              | PI/2 BPSK  | 1       | 53        | 24.45                    | 24.64                       | 24.47                     |                        |
| 20              | PI/2 BPSK  | 1       | 104       | 24.67                    | 24.81                       | 24.70                     |                        |
| 20              | PI/2 BPSK  | 50      | 0         | 23.86                    | 24.05                       | 23.89                     | 24.7                   |
| 20              | PI/2 BPSK  | 50      | 28        | 24.33                    | 24.52                       | 24.32                     | 25.2                   |
| 20              | PI/2 BPSK  | 50      | 56        | 23.99                    | 24.11                       | 24.01                     | 24.7                   |
| 20              | PI/2 BPSK  | 100     | 0         | 23.95                    | 24.13                       | 23.95                     |                        |
| 20              | QPSK       | 1       | 1         | 24.53                    | 24.69                       | 24.58                     | 25.2                   |
| 20              | QPSK       | 1       | 53        | 24.58                    | 24.70                       | 24.55                     |                        |
| 20              | QPSK       | 1       | 104       | 24.65                    | 24.83                       | 24.72                     |                        |
| 20              | QPSK       | 50      | 0         | 23.46                    | 23.57                       | 23.40                     | 24.2                   |
| 20              | QPSK       | 50      | 28        | 24.37                    | 24.54                       | 24.39                     | 25.2                   |
| 20              | QPSK       | 50      | 56        | 23.38                    | 23.58                       | 23.40                     | 24.2                   |
| 20              | QPSK       | 100     | 0         | 23.43                    | 23.63                       | 23.50                     |                        |
| 20              | 16QAM      | 1       | 1         | 23.69                    | 23.84                       | 23.70                     | 24.2                   |
| 20              | 64QAM      | 1       | 1         | 22.17                    | 22.34                       | 22.21                     | 22.7                   |
| 20              | 256QAM     | 1       | 1         | 20.15                    | 20.31                       | 20.20                     | 20.7                   |
| Channel         |            |         |           | 371500                   | 376000                      | 380500                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1902.5                    |                        |
| 15              | PI/2 BPSK  | 1       | 1         | 24.26                    | 24.52                       | 24.34                     | 25.2                   |
| Channel         |            |         |           | 371000                   | 376000                      | 381000                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1855                     | 1880                        | 1905                      |                        |
| 10              | PI/2 BPSK  | 1       | 1         | 24.29                    | 24.47                       | 24.29                     | 25.2                   |
| Channel         |            |         |           | 370500                   | 376000                      | 381500                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1852.5                   | 1880                        | 1907.5                    |                        |
| 5               | PI/2 BPSK  | 1       | 1         | 24.29                    | 24.48                       | 24.32                     | 25.2                   |



<FR1 n2\_Ant 5\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 372000                | 376000                   | 380000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.31                 | 23.37                    | 23.24                  | 24.2                |
| 20              | PI/2 BPSK  | 1       | 53        | 23.28                 | 23.30                    | 23.15                  |                     |
| 20              | PI/2 BPSK  | 1       | 104       | 23.09                 | 23.19                    | 23.09                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 23.13                 | 23.21                    | 22.95                  | 24.2                |
| 20              | PI/2 BPSK  | 50      | 28        | 23.01                 | 23.29                    | 23.01                  | 24.2                |
| 20              | PI/2 BPSK  | 50      | 56        | 22.96                 | 23.27                    | 22.97                  | 24.2                |
| 20              | PI/2 BPSK  | 100     | 0         | 22.95                 | 23.20                    | 23.13                  |                     |
| 20              | QPSK       | 1       | 1         | 23.21                 | 23.36                    | 23.15                  | 24.2                |
| 20              | QPSK       | 1       | 53        | 23.17                 | 23.23                    | 23.08                  |                     |
| 20              | QPSK       | 1       | 104       | 23.12                 | 23.20                    | 23.18                  |                     |
| 20              | QPSK       | 50      | 0         | 23.09                 | 23.16                    | 23.08                  | 24.2                |
| 20              | QPSK       | 50      | 28        | 22.93                 | 23.18                    | 22.99                  | 24.2                |
| 20              | QPSK       | 50      | 56        | 23.05                 | 23.05                    | 22.99                  | 24.2                |
| 20              | QPSK       | 100     | 0         | 23.12                 | 23.35                    | 23.14                  |                     |
| 20              | 16QAM      | 1       | 1         | 23.12                 | 23.21                    | 23.18                  | 24.2                |
| 20              | 64QAM      | 1       | 1         | 21.70                 | 21.93                    | 21.67                  | 22.7                |
| 20              | 256QAM     | 1       | 1         | 19.71                 | 19.81                    | 19.75                  | 20.7                |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 23.18                 | 23.27                    | 23.14                  | 24.2                |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.21                 | 23.26                    | 23.10                  | 24.2                |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 23.19                 | 23.17                    | 23.11                  | 24.2                |



<FR1 n2\_Ant 1\_DSI 1 (Wlan On)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 372000                | 376000                   | 380000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1900                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.10                 | 23.22                    | 23.23                  | 23.5                |
| 20              | PI/2 BPSK  | 1       | 53        | 22.80                 | 22.99                    | 22.82                  |                     |
| 20              | PI/2 BPSK  | 1       | 104       | 23.02                 | 23.16                    | 23.05                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 22.90                 | 23.04                    | 22.98                  | 23.5                |
| 20              | PI/2 BPSK  | 50      | 28        | 22.95                 | 23.09                    | 23.07                  | 23.5                |
| 20              | PI/2 BPSK  | 50      | 56        | 22.91                 | 23.04                    | 22.98                  | 23.5                |
| 20              | PI/2 BPSK  | 100     | 0         | 22.87                 | 22.99                    | 22.93                  |                     |
| 20              | QPSK       | 1       | 1         | 23.00                 | 23.04                    | 22.93                  | 23.5                |
| 20              | QPSK       | 1       | 53        | 22.93                 | 23.05                    | 22.90                  |                     |
| 20              | QPSK       | 1       | 104       | 23.00                 | 23.18                    | 23.07                  |                     |
| 20              | QPSK       | 50      | 0         | 22.83                 | 22.98                    | 22.99                  | 23.5                |
| 20              | QPSK       | 50      | 28        | 22.98                 | 23.06                    | 23.03                  | 23.5                |
| 20              | QPSK       | 50      | 56        | 22.87                 | 23.01                    | 23.03                  | 23.5                |
| 20              | QPSK       | 100     | 0         | 22.91                 | 23.04                    | 22.98                  |                     |
| 20              | 16QAM      | 1       | 1         | 22.04                 | 22.19                    | 22.05                  | 23.0                |
| 20              | 64QAM      | 1       | 1         | 20.52                 | 20.69                    | 20.56                  | 21.0                |
| 20              | 256QAM     | 1       | 1         | 18.50                 | 18.66                    | 18.55                  | 19.0                |
| Channel         |            |         |           | 371500                | 376000                   | 380500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1857.5                | 1880                     | 1902.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 23.09                 | 23.19                    | 23.17                  | 23.5                |
| Channel         |            |         |           | 371000                | 376000                   | 381000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1855                  | 1880                     | 1905                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.00                 | 23.16                    | 23.21                  | 23.5                |
| Channel         |            |         |           | 370500                | 376000                   | 381500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1852.5                | 1880                     | 1907.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 23.07                 | 23.15                    | 23.15                  | 23.5                |



<FR1 n5\_Ant 1\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 166800                | 167300                   | 167800                 |                     |
| Frequency (MHz) |            |         |           | 834                   | 836.5                    | 839                    |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.84                 | 24.88                    | 24.79                  |                     |
| 20              | PI/2 BPSK  | 1       | 53        | 24.62                 | 24.82                    | 24.72                  | 25.2                |
| 20              | PI/2 BPSK  | 1       | 104       | 24.46                 | 24.60                    | 24.40                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 24.10                 | 24.29                    | 24.12                  |                     |
| 20              | PI/2 BPSK  | 50      | 28        | 24.71                 | 24.81                    | 24.69                  | 24.7                |
| 20              | PI/2 BPSK  | 50      | 56        | 24.04                 | 24.14                    | 24.01                  | 25.2                |
| 20              | PI/2 BPSK  | 100     | 0         | 24.11                 | 24.27                    | 24.09                  |                     |
| 20              | QPSK       | 1       | 1         | 24.59                 | 24.76                    | 24.62                  |                     |
| 20              | QPSK       | 1       | 53        | 24.61                 | 24.79                    | 24.63                  | 25.2                |
| 20              | QPSK       | 1       | 104       | 24.39                 | 24.59                    | 24.45                  |                     |
| 20              | QPSK       | 50      | 0         | 23.59                 | 23.79                    | 23.69                  |                     |
| 20              | QPSK       | 50      | 28        | 24.68                 | 24.86                    | 24.76                  | 24.2                |
| 20              | QPSK       | 50      | 56        | 23.50                 | 23.69                    | 23.57                  | 25.2                |
| 20              | QPSK       | 100     | 0         | 23.63                 | 23.75                    | 23.63                  |                     |
| 20              | 16QAM      | 1       | 1         | 23.86                 | 24.00                    | 23.84                  |                     |
| 20              | 64QAM      | 1       | 1         | 22.46                 | 22.57                    | 22.43                  | 24.2                |
| 20              | 256QAM     | 1       | 1         | 20.38                 | 20.58                    | 20.44                  | 22.7                |
| Channel         |            |         |           | 166300                | 167300                   | 168300                 | 20.7                |
| Frequency (MHz) |            |         |           | 831.5                 | 836.5                    | 841.5                  |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.69                 | 24.69                    | 24.63                  |                     |
| Channel         |            |         |           | 165800                | 167300                   | 168800                 | 25.2                |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.71                 | 24.74                    | 24.66                  |                     |
| Channel         |            |         |           | 165300                | 167300                   | 169300                 | 25.2                |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.68                 | 24.75                    | 24.68                  |                     |



<FR1 n7\_Ant 5\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 504000                | 507000                   | 510000                 |                     |
| Frequency (MHz) |            |         |           | 2520                  | 2535                     | 2550                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 22.19                 | 22.35                    | 22.23                  |                     |
| 40              | PI/2 BPSK  | 1       | 108       | 22.07                 | 22.25                    | 22.09                  | 23.6                |
| 40              | PI/2 BPSK  | 1       | 214       | 21.98                 | 22.11                    | 21.99                  |                     |
| 40              | PI/2 BPSK  | 108     | 0         | 22.07                 | 22.13                    | 22.11                  |                     |
| 40              | PI/2 BPSK  | 108     | 54        | 21.96                 | 22.15                    | 21.97                  | 23.6                |
| 40              | PI/2 BPSK  | 108     | 108       | 21.94                 | 22.14                    | 21.98                  | 23.6                |
| 40              | PI/2 BPSK  | 216     | 0         | 21.99                 | 22.12                    | 21.93                  |                     |
| 40              | QPSK       | 1       | 1         | 22.18                 | 22.31                    | 22.18                  |                     |
| 40              | QPSK       | 1       | 108       | 22.22                 | 22.32                    | 22.21                  | 23.6                |
| 40              | QPSK       | 1       | 214       | 21.95                 | 22.10                    | 21.95                  |                     |
| 40              | QPSK       | 108     | 0         | 22.05                 | 22.19                    | 22.01                  |                     |
| 40              | QPSK       | 108     | 54        | 21.95                 | 22.08                    | 21.94                  | 23.6                |
| 40              | QPSK       | 108     | 108       | 22.01                 | 22.17                    | 21.98                  | 23.6                |
| 40              | QPSK       | 216     | 0         | 22.06                 | 22.19                    | 22.09                  |                     |
| 40              | 16QAM      | 1       | 1         | 22.08                 | 22.22                    | 22.12                  |                     |
| 40              | 64QAM      | 1       | 1         | 21.80                 | 21.94                    | 21.77                  | 22.7                |
| 40              | 256QAM     | 1       | 1         | 19.82                 | 19.94                    | 19.79                  | 20.7                |
| Channel         |            |         |           | 503000                | 507000                   | 511000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2515                  | 2535                     | 2555                   |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 22.06                 | 22.15                    | 22.04                  |                     |
| Channel         |            |         |           | 502500                | 507000                   | 511500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2512.5                | 2535                     | 2557.5                 |                     |
| 25              | PI/2 BPSK  | 1       | 1         | 22.01                 | 22.15                    | 22.08                  |                     |
| Channel         |            |         |           | 502000                | 507000                   | 512000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2510                  | 2535                     | 2560                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 22.07                 | 22.19                    | 22.08                  |                     |
| Channel         |            |         |           | 501500                | 507000                   | 512500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2507.5                | 2535                     | 2562.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.99                 | 22.18                    | 22.11                  |                     |
| Channel         |            |         |           | 501000                | 507000                   | 513000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2505                  | 2535                     | 2565                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 22.01                 | 22.21                    | 22.12                  |                     |
| Channel         |            |         |           | 500500                | 507000                   | 513500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2502.5                | 2535                     | 2567.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 22.04                 | 22.24                    | 22.08                  |                     |

**<FR1 n12\_Ant 1\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 141300                | 141500                   | 141700                 |                     |
| Frequency (MHz) |            |         |           | 706.5                 | 707.5                    | 708.5                  |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.85                 | 24.76                    | 24.80                  |                     |
| 15              | PI/2 BPSK  | 1       | 40        | 24.58                 | 24.72                    | 24.55                  | 25.2                |
| 15              | PI/2 BPSK  | 1       | 77        | 24.30                 | 24.50                    | 24.33                  |                     |
| 15              | PI/2 BPSK  | 36      | 0         | 23.97                 | 24.08                    | 23.93                  |                     |
| 15              | PI/2 BPSK  | 36      | 22        | 24.33                 | 24.52                    | 24.41                  | 24.7                |
| 15              | PI/2 BPSK  | 36      | 43        | 23.89                 | 24.01                    | 23.81                  | 25.2                |
| 15              | PI/2 BPSK  | 75      | 0         | 23.96                 | 24.08                    | 23.92                  | 24.7                |
| 15              | QPSK       | 1       | 1         | 24.50                 | 24.66                    | 24.53                  |                     |
| 15              | QPSK       | 1       | 40        | 24.55                 | 24.68                    | 24.53                  |                     |
| 15              | QPSK       | 1       | 77        | 24.32                 | 24.47                    | 24.34                  | 25.2                |
| 15              | QPSK       | 36      | 0         | 23.43                 | 23.59                    | 23.42                  |                     |
| 15              | QPSK       | 36      | 22        | 24.40                 | 24.51                    | 24.31                  |                     |
| 15              | QPSK       | 36      | 43        | 23.30                 | 23.50                    | 23.39                  | 24.2                |
| 15              | QPSK       | 75      | 0         | 23.44                 | 23.62                    | 23.43                  |                     |
| 15              | 16QAM      | 1       | 1         | 23.72                 | 23.83                    | 23.72                  |                     |
| 15              | 64QAM      | 1       | 1         | 22.19                 | 22.32                    | 22.12                  | 24.2                |
| 15              | 256QAM     | 1       | 1         | 20.23                 | 20.35                    | 20.21                  | 22.7                |
| Channel         |            |         |           | 140800                | 141500                   | 142200                 | 20.7                |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.74                 | 24.63                    | 24.64                  |                     |
| Channel         |            |         |           | 140300                | 141500                   | 142700                 | 25.2                |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.74                 | 24.59                    | 24.65                  |                     |

**<FR1 n13\_Ant 1\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 156400                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 782                      |                        |                     |
| 10              | PI/2 BPSK  | 1       | 1         |                       | 24.66                    |                        |                     |
| 10              | PI/2 BPSK  | 1       | 26        |                       | 24.55                    |                        | 25.2                |
| 10              | PI/2 BPSK  | 1       | 50        |                       | 24.62                    |                        |                     |
| 10              | PI/2 BPSK  | 25      | 0         |                       | 23.97                    |                        |                     |
| 10              | PI/2 BPSK  | 25      | 14        |                       | 24.50                    |                        | 24.7                |
| 10              | PI/2 BPSK  | 25      | 27        |                       | 23.95                    |                        | 25.2                |
| 10              | PI/2 BPSK  | 50      | 0         |                       | 24.04                    |                        | 24.7                |
| 10              | QPSK       | 1       | 1         |                       | 24.50                    |                        |                     |
| 10              | QPSK       | 1       | 26        |                       | 24.53                    |                        |                     |
| 10              | QPSK       | 1       | 50        |                       | 24.60                    |                        | 25.2                |
| 10              | QPSK       | 25      | 0         |                       | 23.48                    |                        |                     |
| 10              | QPSK       | 25      | 14        |                       | 24.45                    |                        |                     |
| 10              | QPSK       | 25      | 27        |                       | 23.47                    |                        | 24.2                |
| 10              | QPSK       | 50      | 0         |                       | 23.55                    |                        |                     |
| 10              | 16QAM      | 1       | 1         |                       | 23.61                    |                        |                     |
| 10              | 64QAM      | 1       | 1         |                       | 22.08                    |                        | 24.2                |
| 10              | 256QAM     | 1       | 1         |                       | 20.10                    |                        | 22.7                |
| Channel         |            |         |           | 155900                | 156400                   | 156900                 | 20.7                |
| Frequency (MHz) |            |         |           | 779.5                 | 782                      | 784.5                  |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.43                 | 24.45                    | 24.32                  |                     |



<FR1 n14\_Ant 1\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|
| Channel         |            |         |           |                             | 158600                         |                              |                        |
| Frequency (MHz) |            |         |           |                             | 793                            |                              |                        |
| 10              | PI/2 BPSK  | 1       | 1         |                             | 24.16                          |                              | 25.2                   |
| 10              | PI/2 BPSK  | 1       | 26        |                             | 24.12                          |                              |                        |
| 10              | PI/2 BPSK  | 1       | 50        |                             | 24.06                          |                              |                        |
| 10              | PI/2 BPSK  | 25      | 0         |                             | 23.48                          |                              | 24.7                   |
| 10              | PI/2 BPSK  | 25      | 14        |                             | 24.09                          |                              | 25.2                   |
| 10              | PI/2 BPSK  | 25      | 27        |                             | 23.50                          |                              | 24.7                   |
| 10              | PI/2 BPSK  | 50      | 0         |                             | 23.59                          |                              |                        |
| 10              | QPSK       | 1       | 1         |                             | 24.11                          |                              | 25.2                   |
| 10              | QPSK       | 1       | 26        |                             | 24.10                          |                              |                        |
| 10              | QPSK       | 1       | 50        |                             | 24.08                          |                              |                        |
| 10              | QPSK       | 25      | 0         |                             | 23.14                          |                              | 24.2                   |
| 10              | QPSK       | 25      | 14        |                             | 24.04                          |                              | 25.2                   |
| 10              | QPSK       | 25      | 27        |                             | 23.03                          |                              | 24.2                   |
| 10              | QPSK       | 50      | 0         |                             | 23.05                          |                              |                        |
| 10              | 16QAM      | 1       | 1         |                             | 23.17                          |                              | 24.2                   |
| 10              | 64QAM      | 1       | 1         |                             | 21.74                          |                              | 22.7                   |
| 10              | 256QAM     | 1       | 1         |                             | 19.60                          |                              | 20.7                   |
| Channel         |            |         |           | 158100                      | 158600                         | 159100                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 790.5                       | 793                            | 795.5                        |                        |
| 5               | PI/2 BPSK  | 1       | 1         | 24.03                       | 24.12                          | 23.98                        | 25.2                   |



<FR1 n25\_Ant 1\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 374000                | 376500                   | 379000                 |                     |
| Frequency (MHz) |            |         |           | 1870                  | 1882.5                   | 1895                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 24.70                 | 24.90                    | 24.72                  |                     |
| 40              | PI/2 BPSK  | 1       | 108       | 24.56                 | 24.70                    | 24.53                  | 25.2                |
| 40              | PI/2 BPSK  | 1       | 214       | 24.68                 | 24.84                    | 24.64                  |                     |
| 40              | PI/2 BPSK  | 108     | 0         | 24.01                 | 24.15                    | 23.96                  |                     |
| 40              | PI/2 BPSK  | 108     | 54        | 24.57                 | 24.67                    | 24.57                  | 24.7                |
| 40              | PI/2 BPSK  | 108     | 108       | 24.09                 | 24.27                    | 24.13                  | 25.2                |
| 40              | PI/2 BPSK  | 216     | 0         | 24.08                 | 24.19                    | 24.09                  | 24.7                |
| 40              | QPSK       | 1       | 1         | 24.36                 | 24.52                    | 24.38                  |                     |
| 40              | QPSK       | 1       | 108       | 24.52                 | 24.71                    | 24.54                  |                     |
| 40              | QPSK       | 1       | 214       | 24.72                 | 24.83                    | 24.73                  | 25.2                |
| 40              | QPSK       | 108     | 0         | 23.54                 | 23.65                    | 23.45                  |                     |
| 40              | QPSK       | 108     | 54        | 24.52                 | 24.69                    | 24.50                  |                     |
| 40              | QPSK       | 108     | 108       | 23.57                 | 23.74                    | 23.63                  | 24.2                |
| 40              | QPSK       | 216     | 0         | 23.57                 | 23.68                    | 23.55                  |                     |
| 40              | 16QAM      | 1       | 1         | 23.47                 | 23.62                    | 23.51                  |                     |
| 40              | 64QAM      | 1       | 1         | 22.00                 | 22.15                    | 22.03                  | 24.2                |
| 40              | 256QAM     | 1       | 1         | 20.01                 | 20.20                    | 20.09                  | 22.7                |
| Channel         |            |         |           | 373000                | 376500                   | 380000                 | 20.7                |
| Frequency (MHz) |            |         |           | 1865                  | 1882.5                   | 1900                   |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 24.42                 | 24.55                    | 24.40                  |                     |
| Channel         |            |         |           | 372500                | 376500                   | 380500                 | 25.2                |
| Frequency (MHz) |            |         |           | 1862.5                | 1882.5                   | 1902.5                 |                     |
| 25              | PI/2 BPSK  | 1       | 1         | 24.36                 | 24.51                    | 24.42                  |                     |
| Channel         |            |         |           | 372000                | 376500                   | 381000                 | 25.2                |
| Frequency (MHz) |            |         |           | 1860                  | 1882.5                   | 1905                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.46                 | 24.51                    | 24.39                  |                     |
| Channel         |            |         |           | 371500                | 376500                   | 381500                 | 25.2                |
| Frequency (MHz) |            |         |           | 1857.5                | 1882.5                   | 1907.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.37                 | 24.58                    | 24.38                  |                     |
| Channel         |            |         |           | 371000                | 376500                   | 382000                 | 25.2                |
| Frequency (MHz) |            |         |           | 1855                  | 1882.5                   | 1910                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.39                 | 24.50                    | 24.36                  |                     |
| Channel         |            |         |           | 370500                | 376500                   | 382500                 | 25.2                |
| Frequency (MHz) |            |         |           | 1852.5                | 1882.5                   | 1912.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.41                 | 24.60                    | 24.39                  |                     |



<FR1 n25\_Ant 5\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 374000                | 376500                   | 379000                 | 24.2                |
| Frequency (MHz) |            |         |           | 1870                  | 1882.5                   | 1895                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 23.42                 | 23.53                    | 23.38                  |                     |
| 40              | PI/2 BPSK  | 1       | 108       | 23.29                 | 23.40                    | 23.23                  | 24.2                |
| 40              | PI/2 BPSK  | 1       | 214       | 23.22                 | 23.38                    | 23.25                  |                     |
| 40              | PI/2 BPSK  | 108     | 0         | 23.15                 | 23.35                    | 23.15                  |                     |
| 40              | PI/2 BPSK  | 108     | 54        | 23.21                 | 23.44                    | 23.17                  | 24.2                |
| 40              | PI/2 BPSK  | 108     | 108       | 23.17                 | 23.30                    | 23.11                  | 24.2                |
| 40              | PI/2 BPSK  | 216     | 0         | 23.24                 | 23.39                    | 23.24                  |                     |
| 40              | QPSK       | 1       | 1         | 23.28                 | 23.40                    | 23.30                  |                     |
| 40              | QPSK       | 1       | 108       | 23.28                 | 23.41                    | 23.26                  | 24.2                |
| 40              | QPSK       | 1       | 214       | 23.30                 | 23.41                    | 23.24                  |                     |
| 40              | QPSK       | 108     | 0         | 23.16                 | 23.31                    | 23.18                  |                     |
| 40              | QPSK       | 108     | 54        | 23.08                 | 23.26                    | 23.15                  | 24.2                |
| 40              | QPSK       | 108     | 108       | 23.10                 | 23.20                    | 23.03                  | 24.2                |
| 40              | QPSK       | 216     | 0         | 23.27                 | 23.41                    | 23.30                  |                     |
| 40              | 16QAM      | 1       | 1         | 23.26                 | 23.40                    | 23.24                  |                     |
| 40              | 64QAM      | 1       | 1         | 21.99                 | 22.09                    | 21.92                  | 22.7                |
| 40              | 256QAM     | 1       | 1         | 19.91                 | 20.06                    | 19.91                  | 20.7                |
| Channel         |            |         |           | 373000                | 376500                   | 380000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1865                  | 1882.5                   | 1900                   |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 23.21                 | 23.31                    | 23.11                  |                     |
| Channel         |            |         |           | 372500                | 376500                   | 380500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1862.5                | 1882.5                   | 1902.5                 |                     |
| 25              | PI/2 BPSK  | 1       | 1         | 23.21                 | 23.30                    | 23.12                  |                     |
| Channel         |            |         |           | 372000                | 376500                   | 381000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1860                  | 1882.5                   | 1905                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.12                 | 23.33                    | 23.18                  |                     |
| Channel         |            |         |           | 371500                | 376500                   | 381500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1857.5                | 1882.5                   | 1907.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 23.18                 | 23.32                    | 23.16                  |                     |
| Channel         |            |         |           | 371000                | 376500                   | 382000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1855                  | 1882.5                   | 1910                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.17                 | 23.28                    | 23.13                  |                     |
| Channel         |            |         |           | 370500                | 376500                   | 382500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1852.5                | 1882.5                   | 1912.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 23.15                 | 23.28                    | 23.13                  |                     |



<FR1 n25\_Ant 1\_DSI 1 (Wlan On)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 374000                | 376500                   | 379000                 | 23.5                |
| Frequency (MHz) |            |         |           | 1870                  | 1882.5                   | 1895                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 23.03                 | 23.19                    | 23.12                  |                     |
| 40              | PI/2 BPSK  | 1       | 108       | 22.90                 | 23.12                    | 22.97                  | 23.5                |
| 40              | PI/2 BPSK  | 1       | 214       | 23.00                 | 23.18                    | 23.01                  |                     |
| 40              | PI/2 BPSK  | 108     | 0         | 22.93                 | 23.08                    | 23.05                  |                     |
| 40              | PI/2 BPSK  | 108     | 54        | 23.00                 | 23.13                    | 23.09                  | 23.5                |
| 40              | PI/2 BPSK  | 108     | 108       | 22.96                 | 23.09                    | 23.06                  | 23.5                |
| 40              | PI/2 BPSK  | 216     | 0         | 22.97                 | 23.07                    | 23.00                  |                     |
| 40              | QPSK       | 1       | 1         | 23.01                 | 23.10                    | 23.06                  |                     |
| 40              | QPSK       | 1       | 108       | 23.00                 | 23.05                    | 22.95                  | 23.5                |
| 40              | QPSK       | 1       | 214       | 22.98                 | 23.10                    | 22.92                  |                     |
| 40              | QPSK       | 108     | 0         | 22.89                 | 23.01                    | 23.01                  |                     |
| 40              | QPSK       | 108     | 54        | 22.93                 | 23.07                    | 23.05                  | 23.5                |
| 40              | QPSK       | 108     | 108       | 22.89                 | 23.02                    | 23.01                  | 23.5                |
| 40              | QPSK       | 216     | 0         | 22.88                 | 22.98                    | 22.98                  |                     |
| 40              | 16QAM      | 1       | 1         | 22.54                 | 22.59                    | 22.55                  |                     |
| 40              | 64QAM      | 1       | 1         | 20.82                 | 20.96                    | 20.86                  | 21.0                |
| 40              | 256QAM     | 1       | 1         | 18.95                 | 18.99                    | 18.97                  | 19.0                |
| Channel         |            |         |           | 373000                | 376500                   | 380000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1865                  | 1882.5                   | 1900                   |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 23.00                 | 23.09                    | 23.08                  |                     |
| Channel         |            |         |           | 372500                | 376500                   | 380500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1862.5                | 1882.5                   | 1902.5                 |                     |
| 25              | PI/2 BPSK  | 1       | 1         | 22.98                 | 23.12                    | 23.10                  |                     |
| Channel         |            |         |           | 372000                | 376500                   | 381000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1860                  | 1882.5                   | 1905                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.01                 | 23.13                    | 23.02                  |                     |
| Channel         |            |         |           | 371500                | 376500                   | 381500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1857.5                | 1882.5                   | 1907.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 22.95                 | 23.16                    | 23.02                  |                     |
| Channel         |            |         |           | 371000                | 376500                   | 382000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1855                  | 1882.5                   | 1910                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 22.94                 | 23.16                    | 23.09                  |                     |
| Channel         |            |         |           | 370500                | 376500                   | 382500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1852.5                | 1882.5                   | 1912.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 22.93                 | 23.12                    | 23.03                  |                     |

**<FR1 n26\_Ant 1\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 164800                | 166300                   | 167800                 |                     |
| Frequency (MHz) |            |         |           | 824                   | 831.5                    | 839                    |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.79                 | 24.81                    | 24.80                  |                     |
| 20              | PI/2 BPSK  | 1       | 53        | 24.64                 | 24.74                    | 24.64                  | 25.2                |
| 20              | PI/2 BPSK  | 1       | 104       | 24.42                 | 24.60                    | 24.43                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 24.15                 | 24.26                    | 24.07                  |                     |
| 20              | PI/2 BPSK  | 50      | 28        | 24.59                 | 24.70                    | 24.58                  | 24.7                |
| 20              | PI/2 BPSK  | 50      | 56        | 23.97                 | 24.11                    | 23.94                  | 25.2                |
| 20              | PI/2 BPSK  | 100     | 0         | 24.00                 | 24.20                    | 24.08                  | 24.7                |
| 20              | QPSK       | 1       | 1         | 24.53                 | 24.70                    | 24.55                  |                     |
| 20              | QPSK       | 1       | 53        | 24.53                 | 24.73                    | 24.57                  |                     |
| 20              | QPSK       | 1       | 104       | 24.46                 | 24.58                    | 24.44                  | 25.2                |
| 20              | QPSK       | 50      | 0         | 23.62                 | 23.75                    | 23.62                  |                     |
| 20              | QPSK       | 50      | 28        | 24.50                 | 24.69                    | 24.58                  |                     |
| 20              | QPSK       | 50      | 56        | 23.52                 | 23.68                    | 23.55                  | 24.2                |
| 20              | QPSK       | 100     | 0         | 23.55                 | 23.71                    | 23.51                  |                     |
| 20              | 16QAM      | 1       | 1         | 23.62                 | 23.82                    | 23.62                  |                     |
| 20              | 64QAM      | 1       | 1         | 22.16                 | 22.35                    | 22.19                  | 24.2                |
| 20              | 256QAM     | 1       | 1         | 20.22                 | 20.35                    | 20.22                  | 22.7                |
| Channel         |            |         |           | 164300                | 166300                   | 168300                 | 20.7                |
| Frequency (MHz) |            |         |           | 821.5                 | 831.5                    | 841.5                  |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.54                 | 24.62                    | 24.46                  |                     |
| Channel         |            |         |           | 163800                | 166300                   | 168800                 | 25.2                |
| Frequency (MHz) |            |         |           | 819                   | 831.5                    | 844                    |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.47                 | 24.56                    | 24.51                  |                     |
| Channel         |            |         |           | 163300                | 166300                   | 169300                 | 25.2                |
| Frequency (MHz) |            |         |           | 816.5                 | 831.5                    | 846.5                  |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.52                 | 24.64                    | 24.49                  |                     |

**<FR1 n30\_Ant 5\_DSI 1 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 462000                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 2310                     |                        |                     |
| 10              | PI/2 BPSK  | 1       | 1         |                       | 23.08                    |                        |                     |
| 10              | PI/2 BPSK  | 1       | 26        |                       | 23.06                    |                        | 24.2                |
| 10              | PI/2 BPSK  | 1       | 50        |                       | 23.02                    |                        |                     |
| 10              | PI/2 BPSK  | 25      | 0         |                       | 22.98                    |                        |                     |
| 10              | PI/2 BPSK  | 25      | 14        |                       | 23.02                    |                        | 24.2                |
| 10              | PI/2 BPSK  | 25      | 27        |                       | 22.93                    |                        | 24.2                |
| 10              | PI/2 BPSK  | 50      | 0         |                       | 22.94                    |                        |                     |
| 10              | QPSK       | 1       | 1         |                       | 22.98                    |                        |                     |
| 10              | QPSK       | 1       | 26        |                       | 22.96                    |                        | 24.2                |
| 10              | QPSK       | 1       | 50        |                       | 22.83                    |                        |                     |
| 10              | QPSK       | 25      | 0         |                       | 22.81                    |                        |                     |
| 10              | QPSK       | 25      | 14        |                       | 22.88                    |                        | 24.2                |
| 10              | QPSK       | 25      | 27        |                       | 22.77                    |                        | 24.2                |
| 10              | QPSK       | 50      | 0         |                       | 22.77                    |                        |                     |
| 10              | 16QAM      | 1       | 1         |                       | 23.00                    |                        |                     |
| 10              | 64QAM      | 1       | 1         |                       | 22.23                    |                        | 24.2                |
| 10              | 256QAM     | 1       | 1         |                       | 20.06                    |                        | 22.7                |
| Channel         |            |         |           | 461500                | 462000                   | 462500                 | 20.7                |
| Frequency (MHz) |            |         |           | 2307.5                | 2310                     | 2312.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 23.04                 | 23.06                    | 23.03                  |                     |



<FR1 n38\_Ant 5\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 518000                | 519000                   | 520000                 |                     |
| Frequency (MHz) |            |         |           | 2590                  | 2595                     | 2600                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 23.46                 | 23.66                    | 23.51                  |                     |
| 40              | PI/2 BPSK  | 1       | 53        | 23.22                 | 23.31                    | 23.26                  | 25.2                |
| 40              | PI/2 BPSK  | 1       | 104       | 23.39                 | 23.61                    | 23.37                  |                     |
| 40              | PI/2 BPSK  | 50      | 0         | 22.75                 | 22.88                    | 22.73                  | 24.7                |
| 40              | PI/2 BPSK  | 50      | 28        | 23.24                 | 23.39                    | 23.27                  | 25.2                |
| 40              | PI/2 BPSK  | 50      | 56        | 22.71                 | 22.96                    | 22.73                  | 24.7                |
| 40              | PI/2 BPSK  | 100     | 0         | 22.71                 | 22.89                    | 22.73                  |                     |
| 40              | QPSK       | 1       | 1         | 23.31                 | 23.58                    | 23.37                  | 25.2                |
| 40              | QPSK       | 1       | 53        | 23.27                 | 23.47                    | 23.23                  |                     |
| 40              | QPSK       | 1       | 104       | 23.35                 | 23.56                    | 23.34                  |                     |
| 40              | QPSK       | 50      | 0         | 22.21                 | 22.36                    | 22.25                  | 24.2                |
| 40              | QPSK       | 50      | 28        | 23.24                 | 23.32                    | 23.21                  | 25.2                |
| 40              | QPSK       | 50      | 56        | 22.22                 | 22.44                    | 22.20                  | 24.2                |
| 40              | QPSK       | 100     | 0         | 22.21                 | 22.36                    | 22.26                  |                     |
| 40              | 16QAM      | 1       | 1         | 22.31                 | 22.59                    | 22.41                  | 24.2                |
| 40              | 64QAM      | 1       | 1         | 20.96                 | 21.11                    | 20.95                  | 22.7                |
| 40              | 256QAM     | 1       | 1         | 18.73                 | 19.02                    | 18.85                  | 20.7                |
| Channel         |            |         |           | 517000                | 519000                   | 521000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2585                  | 2595                     | 2605                   |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 23.33                 | 23.46                    | 23.40                  | 25.2                |
| Channel         |            |         |           | 516000                | 519000                   | 522000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.30                 | 23.53                    | 23.40                  | 25.2                |



<FR1 n41\_Ant 5\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 25.2                |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 24.62                 | 24.63                    | 24.31                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 24.18                 | 24.12                    | 23.90                  | 24.7                |
| 100             | PI/2 BPSK  | 1       | 271       | 24.43                 | 24.39                    | 24.12                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 23.59                 | 23.49                    | 23.19                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 23.60                 | 23.61                    | 23.36                  | 25.2                |
| 100             | PI/2 BPSK  | 135     | 138       | 23.46                 | 23.38                    | 23.07                  |                     |
| 100             | PI/2 BPSK  | 270     | 0         | 23.24                 | 23.14                    | 22.90                  |                     |
| 100             | QPSK       | 1       | 1         | 23.64                 | 23.60                    | 23.36                  | 24.7                |
| 100             | QPSK       | 1       | 137       | 23.77                 | 23.71                    | 23.42                  |                     |
| 100             | QPSK       | 1       | 271       | 24.51                 | 24.47                    | 24.20                  |                     |
| 100             | QPSK       | 135     | 0         | 24.05                 | 24.03                    | 23.73                  | 25.2                |
| 100             | QPSK       | 135     | 69        | 23.69                 | 23.61                    | 23.31                  |                     |
| 100             | QPSK       | 135     | 138       | 22.90                 | 22.90                    | 22.60                  |                     |
| 100             | QPSK       | 270     | 0         | 22.73                 | 22.68                    | 22.43                  | 24.2                |
| 100             | 16QAM      | 1       | 1         | 22.57                 | 22.51                    | 22.22                  |                     |
| 100             | 64QAM      | 1       | 1         | 21.24                 | 21.15                    | 20.92                  |                     |
| 100             | 256QAM     | 1       | 1         | 19.10                 | 19.03                    | 18.79                  | 20.7                |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | 25.2                |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 24.36                 | 24.26                    | 23.95                  |                     |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | 25.2                |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 24.31                 | 24.42                    | 24.08                  |                     |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | 25.2                |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 24.32                 | 24.40                    | 24.04                  |                     |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | 25.2                |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 24.25                 | 24.32                    | 23.94                  |                     |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | 25.2                |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 24.30                 | 24.25                    | 23.95                  |                     |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | 25.2                |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 24.35                 | 24.42                    | 24.03                  |                     |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | 25.2                |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.32                 | 24.24                    | 23.94                  |                     |



<FR1 n41\_Ant 2\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 509202                | 518598                   | 528000                 |                     |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 21.16                 | 21.55                    | 21.03                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 21.02                 | 21.47                    | 20.89                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 20.96                 | 21.43                    | 20.90                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 20.95                 | 21.39                    | 20.80                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 20.97                 | 21.43                    | 20.88                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 20.93                 | 21.42                    | 20.80                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 20.92                 | 21.38                    | 20.85                  |                     |
| 100             | QPSK       | 1       | 1         | 21.01                 | 21.41                    | 20.83                  |                     |
| 100             | QPSK       | 1       | 137       | 20.96                 | 21.44                    | 20.91                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 21.01                 | 21.48                    | 20.91                  |                     |
| 100             | QPSK       | 135     | 0         | 21.03                 | 21.43                    | 20.86                  |                     |
| 100             | QPSK       | 135     | 69        | 20.88                 | 21.36                    | 20.77                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 21.00                 | 21.44                    | 20.82                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 21.08                 | 21.48                    | 20.87                  |                     |
| 100             | 16QAM      | 1       | 1         | 20.97                 | 21.43                    | 20.87                  |                     |
| 100             | 64QAM      | 1       | 1         | 20.70                 | 21.17                    | 20.60                  | 22.0                |
| 100             | 256QAM     | 1       | 1         | 19.12                 | 19.56                    | 19.03                  | 20.0                |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.96                 | 21.35                    | 20.87                  |                     |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.96                 | 21.35                    | 20.93                  |                     |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.98                 | 21.39                    | 20.89                  |                     |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.98                 | 21.38                    | 20.92                  |                     |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.04                 | 21.43                    | 20.89                  |                     |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.05                 | 21.43                    | 20.83                  |                     |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.97                 | 21.38                    | 20.89                  |                     |



<FR1 n41\_Ant 3\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 509202                | 518598                   | 528000                 | 22.0                |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 20.98                 | 21.16                    | 21.58                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 20.53                 | 20.66                    | 21.09                  | 21.5                |
| 100             | PI/2 BPSK  | 1       | 271       | 20.77                 | 20.87                    | 21.29                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 19.83                 | 20.01                    | 20.48                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 20.12                 | 20.09                    | 20.52                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 19.67                 | 19.85                    | 20.32                  |                     |
| 100             | PI/2 BPSK  | 270     | 0         | 19.54                 | 19.60                    | 20.02                  |                     |
| 100             | QPSK       | 1       | 1         | 20.16                 | 20.06                    | 20.56                  | 22.0                |
| 100             | QPSK       | 1       | 137       | 20.02                 | 20.19                    | 20.59                  |                     |
| 100             | QPSK       | 1       | 271       | 20.80                 | 20.98                    | 21.48                  |                     |
| 100             | QPSK       | 135     | 0         | 20.45                 | 20.57                    | 19.82                  | 21.0                |
| 100             | QPSK       | 135     | 69        | 20.00                 | 20.10                    | 20.54                  |                     |
| 100             | QPSK       | 135     | 138       | 19.26                 | 19.36                    | 19.85                  |                     |
| 100             | QPSK       | 270     | 0         | 19.06                 | 19.17                    | 19.61                  | 21.0                |
| 100             | 16QAM      | 1       | 1         | 20.17                 | 20.36                    | 20.85                  |                     |
| 100             | 64QAM      | 1       | 1         | 18.89                 | 19.08                    | 19.36                  |                     |
| 100             | 256QAM     | 1       | 1         | 17.12                 | 17.30                    | 17.38                  | 17.5                |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | 22.0                |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.83                 | 20.94                    | 21.41                  |                     |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | 22.0                |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.85                 | 20.96                    | 21.44                  |                     |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | 22.0                |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.86                 | 20.97                    | 21.47                  |                     |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | 22.0                |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.83                 | 20.89                    | 21.47                  |                     |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | 22.0                |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.80                 | 20.97                    | 21.48                  |                     |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | 22.0                |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.85                 | 20.89                    | 21.42                  |                     |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | 22.0                |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.78                 | 20.95                    | 21.39                  |                     |



<FR1 n41\_Ant 4\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 509202                | 518598                   | 528000                 |                     |
| Frequency (MHz) |            |         |           | 2546.01               | 2592.99                  | 2640                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 20.08                 | 21.87                    | 20.12                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 20.04                 | 21.80                    | 20.06                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 20.06                 | 21.83                    | 20.07                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 20.03                 | 21.85                    | 20.07                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 20.01                 | 21.77                    | 20.04                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 20.09                 | 21.84                    | 20.08                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 20.06                 | 21.79                    | 20.01                  |                     |
| 100             | QPSK       | 1       | 1         | 20.02                 | 21.82                    | 20.08                  |                     |
| 100             | QPSK       | 1       | 137       | 20.03                 | 21.82                    | 20.10                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 20.01                 | 21.84                    | 20.00                  |                     |
| 100             | QPSK       | 135     | 0         | 20.06                 | 21.84                    | 20.04                  |                     |
| 100             | QPSK       | 135     | 69        | 20.02                 | 21.83                    | 20.08                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 20.02                 | 21.77                    | 20.09                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 20.06                 | 21.76                    | 20.07                  |                     |
| 100             | 16QAM      | 1       | 1         | 20.00                 | 21.78                    | 20.03                  |                     |
| 100             | 64QAM      | 1       | 1         | 20.03                 | 20.66                    | 20.10                  | 21.0                |
| 100             | 256QAM     | 1       | 1         | 18.19                 | 18.85                    | 18.27                  | 20.0                |
| Channel         |            |         |           | 508200                | 518598                   | 528996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2541                  | 2592.99                  | 2644.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.20                 | 21.70                    | 20.23                  |                     |
| Channel         |            |         |           | 507204                | 518598                   | 529998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2536.02               | 2592.99                  | 2649.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.26                 | 21.70                    | 20.31                  |                     |
| Channel         |            |         |           | 505200                | 518598                   | 531996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2526                  | 2592.99                  | 2659.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.11                 | 21.74                    | 20.10                  |                     |
| Channel         |            |         |           | 504204                | 518598                   | 532998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2521.02               | 2592.99                  | 2664.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.16                 | 21.70                    | 20.13                  |                     |
| Channel         |            |         |           | 503202                | 518598                   | 534000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2516.01               | 2592.99                  | 2670                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.20                 | 21.77                    | 20.20                  |                     |
| Channel         |            |         |           | 502200                | 518598                   | 534996                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2511                  | 2592.99                  | 2674.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.13                 | 21.75                    | 20.01                  |                     |
| Channel         |            |         |           | 501204                | 518598                   | 535998                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 2506.02               | 2592.99                  | 2679.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.10                 | 21.67                    | 20.16                  |                     |



<FR1 n41\_HPUE\_Ant 5\_DSI 1  
(Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 509202                   | 518598                      | 528000                    |                        |
| Frequency (MHz) |            |         |           | 2546.01                  | 2592.99                     | 2640                      |                        |
| 100             | PI/2 BPSK  | 1       | 1         | 25.22                    | 25.58                       | 25.43                     | 27.0                   |
| 100             | PI/2 BPSK  | 1       | 137       | 25.04                    | 25.46                       | 25.29                     |                        |
| 100             | PI/2 BPSK  | 1       | 271       | 25.01                    | 25.04                       | 25.08                     |                        |
| 100             | PI/2 BPSK  | 135     | 0         | 24.58                    | 24.81                       | 24.65                     | 26.5                   |
| 100             | PI/2 BPSK  | 135     | 69        | 25.07                    | 25.49                       | 25.29                     | 27.0                   |
| 100             | PI/2 BPSK  | 135     | 138       | 24.51                    | 24.51                       | 24.52                     | 26.5                   |
| 100             | PI/2 BPSK  | 270     | 0         | 24.53                    | 24.76                       | 24.52                     |                        |
| 100             | QPSK       | 1       | 1         | 25.08                    | 25.44                       | 25.27                     | 27.0                   |
| 100             | QPSK       | 1       | 137       | 25.02                    | 25.44                       | 25.26                     |                        |
| 100             | QPSK       | 1       | 271       | 25.06                    | 25.15                       | 25.03                     |                        |
| 100             | QPSK       | 135     | 0         | 24.95                    | 25.33                       | 25.17                     | 26.0                   |
| 100             | QPSK       | 135     | 69        | 25.03                    | 25.14                       | 25.03                     | 27.0                   |
| 100             | QPSK       | 135     | 138       | 24.64                    | 25.04                       | 24.82                     | 26.0                   |
| 100             | QPSK       | 270     | 0         | 24.05                    | 24.35                       | 24.18                     |                        |
| 100             | 16QAM      | 1       | 1         | 24.06                    | 24.52                       | 24.35                     | 26.0                   |
| 100             | 64QAM      | 1       | 1         | 22.75                    | 23.14                       | 22.94                     | 24.5                   |
| 100             | 256QAM     | 1       | 1         | 20.62                    | 21.07                       | 20.92                     | 22.5                   |
| Channel         |            |         |           | 508200                   | 518598                      | 528996                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2541                     | 2592.99                     | 2644.98                   |                        |
| 90              | PI/2 BPSK  | 1       | 1         | 25.10                    | 25.31                       | 25.14                     | 27.0                   |
| Channel         |            |         |           | 507204                   | 518598                      | 529998                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2536.02                  | 2592.99                     | 2649.99                   |                        |
| 80              | PI/2 BPSK  | 1       | 1         | 25.19                    | 25.26                       | 25.12                     | 27.0                   |
| Channel         |            |         |           | 505200                   | 518598                      | 531996                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2526                     | 2592.99                     | 2659.98                   |                        |
| 60              | PI/2 BPSK  | 1       | 1         | 25.20                    | 25.30                       | 25.16                     | 27.0                   |
| Channel         |            |         |           | 504204                   | 518598                      | 532998                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2521.02                  | 2592.99                     | 2664.99                   |                        |
| 50              | PI/2 BPSK  | 1       | 1         | 25.16                    | 25.28                       | 25.16                     | 27.0                   |
| Channel         |            |         |           | 503202                   | 518598                      | 534000                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2516.01                  | 2592.99                     | 2670                      |                        |
| 40              | PI/2 BPSK  | 1       | 1         | 25.17                    | 25.34                       | 25.16                     | 27.0                   |
| Channel         |            |         |           | 502200                   | 518598                      | 534996                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2511                     | 2592.99                     | 2674.98                   |                        |
| 30              | PI/2 BPSK  | 1       | 1         | 25.09                    | 25.26                       | 25.16                     | 27.0                   |
| Channel         |            |         |           | 501204                   | 518598                      | 535998                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 2506.02                  | 2592.99                     | 2679.99                   |                        |
| 20              | PI/2 BPSK  | 1       | 1         | 25.07                    | 25.18                       | 25.20                     | 27.0                   |



<FR1 n48\_Ant 8\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 638000                | 641666                   | 645332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3570                  | 3624.99                  | 3679.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 23.41                 | 23.66                    | 23.52                  | 24.0                |
| 40              | PI/2 BPSK  | 1       | 53        | 22.65                 | 22.95                    | 22.80                  |                     |
| 40              | PI/2 BPSK  | 1       | 104       | 22.83                 | 23.11                    | 22.97                  |                     |
| 40              | PI/2 BPSK  | 50      | 0         | 22.57                 | 22.92                    | 22.70                  | 23.5                |
| 40              | PI/2 BPSK  | 50      | 28        | 23.05                 | 23.39                    | 23.17                  | 24.0                |
| 40              | PI/2 BPSK  | 50      | 56        | 22.63                 | 22.88                    | 22.69                  | 23.5                |
| 40              | PI/2 BPSK  | 100     | 0         | 22.63                 | 22.92                    | 22.69                  |                     |
| 40              | QPSK       | 1       | 1         | 22.74                 | 23.05                    | 22.89                  | 24.0                |
| 40              | QPSK       | 1       | 53        | 22.73                 | 22.98                    | 22.75                  |                     |
| 40              | QPSK       | 1       | 104       | 22.86                 | 23.18                    | 23.01                  |                     |
| 40              | QPSK       | 50      | 0         | 22.12                 | 22.39                    | 22.23                  | 23.0                |
| 40              | QPSK       | 50      | 28        | 23.02                 | 23.37                    | 23.14                  | 24.0                |
| 40              | QPSK       | 50      | 56        | 22.06                 | 22.33                    | 22.15                  | 23.0                |
| 40              | QPSK       | 100     | 0         | 22.06                 | 22.39                    | 22.22                  |                     |
| 40              | 16QAM      | 1       | 1         | 21.77                 | 22.11                    | 21.92                  | 23.0                |
| 40              | 64QAM      | 1       | 1         | 20.33                 | 20.63                    | 20.42                  | 21.5                |
| 40              | 256QAM     | 1       | 1         | 18.32                 | 18.62                    | 18.41                  | 19.5                |
| Channel         |            |         |           | 637668                | 641666                   | 645666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3565.02               | 3624.99                  | 3684.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 23.21                 | 23.50                    | 23.39                  | 24.0                |
| Channel         |            |         |           | 637334                | 641666                   | 646000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3560.01               | 3624.99                  | 3690                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.31                 | 23.52                    | 23.38                  | 24.0                |
| Channel         |            |         |           | 637000                | 641666                   | 646332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3555                  | 3624.99                  | 3694.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.30                 | 23.55                    | 23.37                  | 24.0                |



<FR1 n48\_Ant 9\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 638000                | 641666                   | 645332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3570                  | 3624.99                  | 3679.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 23.11                 | 23.42                    | 23.24                  | 24.0                |
| 40              | PI/2 BPSK  | 1       | 53        | 22.86                 | 23.15                    | 22.95                  |                     |
| 40              | PI/2 BPSK  | 1       | 104       | 23.07                 | 23.33                    | 23.06                  |                     |
| 40              | PI/2 BPSK  | 50      | 0         | 22.32                 | 22.55                    | 22.29                  | 23.5                |
| 40              | PI/2 BPSK  | 50      | 28        | 22.86                 | 23.07                    | 22.87                  | 24.0                |
| 40              | PI/2 BPSK  | 50      | 56        | 22.37                 | 22.60                    | 22.34                  | 23.5                |
| 40              | PI/2 BPSK  | 100     | 0         | 22.27                 | 22.54                    | 22.32                  |                     |
| 40              | QPSK       | 1       | 1         | 22.85                 | 23.08                    | 22.82                  | 24.0                |
| 40              | QPSK       | 1       | 53        | 22.96                 | 23.22                    | 22.95                  |                     |
| 40              | QPSK       | 1       | 104       | 23.00                 | 23.24                    | 23.03                  |                     |
| 40              | QPSK       | 50      | 0         | 21.81                 | 22.02                    | 21.80                  | 23.0                |
| 40              | QPSK       | 50      | 28        | 22.80                 | 23.04                    | 22.77                  | 24.0                |
| 40              | QPSK       | 50      | 56        | 21.85                 | 22.11                    | 21.87                  | 23.0                |
| 40              | QPSK       | 100     | 0         | 21.73                 | 22.02                    | 21.74                  |                     |
| 40              | 16QAM      | 1       | 1         | 21.95                 | 22.15                    | 21.90                  | 23.0                |
| 40              | 64QAM      | 1       | 1         | 20.45                 | 20.66                    | 20.46                  | 21.5                |
| 40              | 256QAM     | 1       | 1         | 18.35                 | 18.62                    | 18.32                  | 19.5                |
| Channel         |            |         |           | 637334                | 641666                   | 646000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3560.01               | 3624.99                  | 3690                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 22.98                 | 23.26                    | 23.08                  | 24.0                |
| Channel         |            |         |           | 637000                | 641666                   | 646332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3555                  | 3624.99                  | 3694.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 22.99                 | 23.31                    | 23.11                  | 24.0                |



<FR1 n66\_Ant 1\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.31                 | 23.49                    | 23.39                  | 24.0                |
| 20              | PI/2 BPSK  | 1       | 53        | 23.32                 | 23.46                    | 23.34                  |                     |
| 20              | PI/2 BPSK  | 1       | 104       | 23.30                 | 23.48                    | 23.35                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 23.27                 | 23.37                    | 23.23                  | 24.0                |
| 20              | PI/2 BPSK  | 50      | 28        | 23.29                 | 23.45                    | 23.31                  | 24.0                |
| 20              | PI/2 BPSK  | 50      | 56        | 23.30                 | 23.42                    | 23.24                  | 24.0                |
| 20              | PI/2 BPSK  | 100     | 0         | 23.30                 | 23.47                    | 23.37                  |                     |
| 20              | QPSK       | 1       | 1         | 23.35                 | 23.47                    | 23.28                  | 24.0                |
| 20              | QPSK       | 1       | 53        | 23.15                 | 23.31                    | 23.11                  |                     |
| 20              | QPSK       | 1       | 104       | 23.16                 | 23.26                    | 23.09                  |                     |
| 20              | QPSK       | 50      | 0         | 22.79                 | 22.90                    | 22.77                  | 24.0                |
| 20              | QPSK       | 50      | 28        | 23.14                 | 23.28                    | 23.12                  | 24.0                |
| 20              | QPSK       | 50      | 56        | 22.78                 | 22.93                    | 22.77                  | 24.0                |
| 20              | QPSK       | 100     | 0         | 22.80                 | 23.00                    | 22.83                  |                     |
| 20              | 16QAM      | 1       | 1         | 22.86                 | 23.04                    | 22.88                  | 24.0                |
| 20              | 64QAM      | 1       | 1         | 21.40                 | 21.52                    | 21.40                  | 22.7                |
| 20              | 256QAM     | 1       | 1         | 19.30                 | 19.48                    | 19.31                  | 20.7                |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 23.15                 | 23.38                    | 23.19                  | 24.0                |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.17                 | 23.39                    | 23.25                  | 24.0                |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 23.15                 | 23.29                    | 23.27                  | 24.0                |



<FR1 n66\_Ant 5\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 23.79                 | 24.19                    | 24.13                  | 24.3                |
| 20              | PI/2 BPSK  | 1       | 53        | 23.65                 | 23.85                    | 23.81                  |                     |
| 20              | PI/2 BPSK  | 1       | 104       | 23.81                 | 24.04                    | 24.04                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 23.10                 | 23.34                    | 23.24                  | 23.8                |
| 20              | PI/2 BPSK  | 50      | 28        | 23.54                 | 23.84                    | 23.75                  | 24.3                |
| 20              | PI/2 BPSK  | 50      | 56        | 23.15                 | 23.42                    | 23.40                  | 23.8                |
| 20              | PI/2 BPSK  | 100     | 0         | 23.13                 | 23.36                    | 23.28                  |                     |
| 20              | QPSK       | 1       | 1         | 23.53                 | 23.82                    | 23.82                  | 24.3                |
| 20              | QPSK       | 1       | 53        | 23.60                 | 23.84                    | 23.84                  |                     |
| 20              | QPSK       | 1       | 104       | 23.74                 | 24.02                    | 23.95                  |                     |
| 20              | QPSK       | 50      | 0         | 22.58                 | 22.80                    | 22.80                  | 23.3                |
| 20              | QPSK       | 50      | 28        | 23.58                 | 23.88                    | 23.85                  | 24.3                |
| 20              | QPSK       | 50      | 56        | 22.63                 | 22.89                    | 22.80                  | 23.3                |
| 20              | QPSK       | 100     | 0         | 22.61                 | 22.86                    | 22.83                  |                     |
| 20              | 16QAM      | 1       | 1         | 22.65                 | 22.89                    | 22.83                  | 23.3                |
| 20              | 64QAM      | 1       | 1         | 21.15                 | 21.42                    | 21.42                  | 21.8                |
| 20              | 256QAM     | 1       | 1         | 19.18                 | 19.38                    | 19.35                  | 19.8                |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 23.65                 | 24.06                    | 23.98                  | 24.3                |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 23.62                 | 24.03                    | 23.98                  | 24.3                |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 23.62                 | 24.00                    | 24.00                  | 24.3                |

**<FR1 n66\_Ant 1\_DSI 1 (Wlan On)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 344000                | 349000                   | 354000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.66                 | 20.86                    | 20.85                  | 22.3                |
| 20              | PI/2 BPSK  | 1       | 53        | 20.59                 | 20.71                    | 20.73                  |                     |
| 20              | PI/2 BPSK  | 1       | 104       | 20.58                 | 20.76                    | 20.72                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 20.51                 | 20.69                    | 20.73                  | 22.3                |
| 20              | PI/2 BPSK  | 50      | 28        | 20.52                 | 20.75                    | 20.74                  | 22.3                |
| 20              | PI/2 BPSK  | 50      | 56        | 20.49                 | 20.66                    | 20.68                  | 22.3                |
| 20              | PI/2 BPSK  | 100     | 0         | 20.48                 | 20.68                    | 20.65                  |                     |
| 20              | QPSK       | 1       | 1         | 20.46                 | 20.56                    | 20.61                  | 22.3                |
| 20              | QPSK       | 1       | 53        | 20.43                 | 20.56                    | 20.58                  |                     |
| 20              | QPSK       | 1       | 104       | 20.34                 | 20.58                    | 20.62                  |                     |
| 20              | QPSK       | 50      | 0         | 20.35                 | 20.57                    | 20.53                  | 22.3                |
| 20              | QPSK       | 50      | 28        | 20.35                 | 20.49                    | 20.65                  | 22.3                |
| 20              | QPSK       | 50      | 56        | 20.32                 | 20.55                    | 20.55                  | 22.3                |
| 20              | QPSK       | 100     | 0         | 20.42                 | 20.61                    | 20.61                  |                     |
| 20              | 16QAM      | 1       | 1         | 20.41                 | 20.57                    | 20.56                  | 22.3                |
| 20              | 64QAM      | 1       | 1         | 20.31                 | 20.49                    | 20.54                  | 22.3                |
| 20              | 256QAM     | 1       | 1         | 19.25                 | 19.16                    | 19.23                  | 20.7                |
| Channel         |            |         |           | 343500                | 349000                   | 354500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 20.46                 | 20.71                    | 20.73                  | 22.3                |
| Channel         |            |         |           | 343000                | 349000                   | 355000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 20.58                 | 20.71                    | 20.75                  | 22.3                |
| Channel         |            |         |           | 342500                | 349000                   | 355500                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 1712.5                | 1745                     | 1777.5                 |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 20.70                 | 20.75                    | 20.63                  | 22.3                |



<FR1 n71\_Ant 1\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 134600                | 136100                   | 137600                 | 25.2                |
| Frequency (MHz) |            |         |           | 673                   | 680.5                    | 688                    |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.69                 | 24.75                    | 24.61                  |                     |
| 20              | PI/2 BPSK  | 1       | 53        | 24.47                 | 24.66                    | 24.52                  | 24.7                |
| 20              | PI/2 BPSK  | 1       | 104       | 24.62                 | 24.73                    | 24.54                  |                     |
| 20              | PI/2 BPSK  | 50      | 0         | 23.93                 | 24.08                    | 23.95                  |                     |
| 20              | PI/2 BPSK  | 50      | 28        | 24.41                 | 24.58                    | 24.41                  | 24.7                |
| 20              | PI/2 BPSK  | 50      | 56        | 24.01                 | 24.12                    | 23.93                  |                     |
| 20              | PI/2 BPSK  | 100     | 0         | 23.83                 | 24.03                    | 23.93                  |                     |
| 20              | QPSK       | 1       | 1         | 24.53                 | 24.66                    | 24.52                  | 25.2                |
| 20              | QPSK       | 1       | 53        | 24.53                 | 24.65                    | 24.50                  |                     |
| 20              | QPSK       | 1       | 104       | 24.56                 | 24.74                    | 24.64                  |                     |
| 20              | QPSK       | 50      | 0         | 23.37                 | 23.56                    | 23.37                  | 24.2                |
| 20              | QPSK       | 50      | 28        | 24.47                 | 24.58                    | 24.47                  |                     |
| 20              | QPSK       | 50      | 56        | 23.43                 | 23.63                    | 23.45                  |                     |
| 20              | QPSK       | 100     | 0         | 23.37                 | 23.54                    | 23.42                  | 22.7                |
| 20              | 16QAM      | 1       | 1         | 23.51                 | 23.69                    | 23.53                  |                     |
| 20              | 64QAM      | 1       | 1         | 22.06                 | 22.18                    | 22.02                  |                     |
| 20              | 256QAM     | 1       | 1         | 19.75                 | 19.93                    | 19.80                  | 20.7                |
| Channel         |            |         |           | 134100                | 136100                   | 138100                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 670.5                 | 680.5                    | 690.5                  |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.37                 | 24.53                    | 24.37                  | 25.2                |
| Channel         |            |         |           | 133600                | 136100                   | 138600                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 668                   | 680.5                    | 693                    |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.29                 | 24.51                    | 24.34                  | 25.2                |
| Channel         |            |         |           | 133100                | 136100                   | 139100                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 665.5                 | 680.5                    | 695.5                  |                     |
| 5               | PI/2 BPSK  | 1       | 1         | 24.32                 | 24.53                    | 24.33                  | 25.2                |



&lt;FR1 n77\_Ant 8\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 650000                | 656000                   | 662000                 | 22.9                |
| Frequency (MHz) |            |         |           | 3750                  | 3840                     | 3930                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 21.83                 | 22.15                    | 22.13                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 21.78                 | 22.13                    | 22.11                  | 22.9                |
| 100             | PI/2 BPSK  | 1       | 271       | 21.82                 | 22.14                    | 22.02                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 21.61                 | 21.97                    | 21.85                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 21.69                 | 22.04                    | 22.02                  | 22.9                |
| 100             | PI/2 BPSK  | 135     | 138       | 21.55                 | 21.92                    | 21.81                  | 22.9                |
| 100             | PI/2 BPSK  | 270     | 0         | 21.54                 | 21.93                    | 21.85                  |                     |
| 100             | QPSK       | 1       | 1         | 21.76                 | 22.14                    | 22.05                  |                     |
| 100             | QPSK       | 1       | 137       | 21.73                 | 22.11                    | 22.01                  | 22.9                |
| 100             | QPSK       | 1       | 271       | 21.77                 | 22.12                    | 22.10                  |                     |
| 100             | QPSK       | 135     | 0         | 21.54                 | 21.95                    | 21.84                  |                     |
| 100             | QPSK       | 135     | 69        | 21.58                 | 21.98                    | 21.89                  | 22.9                |
| 100             | QPSK       | 135     | 138       | 21.61                 | 21.96                    | 21.94                  | 22.9                |
| 100             | QPSK       | 270     | 0         | 21.59                 | 21.92                    | 21.86                  |                     |
| 100             | 16QAM      | 1       | 1         | 21.67                 | 22.03                    | 21.91                  |                     |
| 100             | 64QAM      | 1       | 1         | 21.61                 | 21.99                    | 21.87                  | 22.7                |
| 100             | 256QAM     | 1       | 1         | 20.17                 | 20.50                    | 20.48                  | 20.7                |
| Channel         |            |         |           | 649668                | 656000                   | 662332                 | 22.9                |
| Frequency (MHz) |            |         |           | 3745.02               | 3840                     | 3934.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.80                 | 22.06                    | 22.10                  |                     |
| Channel         |            |         |           | 649334                | 656000                   | 662666                 | 22.9                |
| Frequency (MHz) |            |         |           | 3740.01               | 3840                     | 3939.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.78                 | 22.10                    | 22.03                  |                     |
| Channel         |            |         |           | 649000                | 656000                   | 663000                 | 22.9                |
| Frequency (MHz) |            |         |           | 3735                  | 3840                     | 3945                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.73                 | 22.10                    | 22.03                  |                     |
| Channel         |            |         |           | 648668                | 656000                   | 663332                 | 22.9                |
| Frequency (MHz) |            |         |           | 3730.02               | 3840                     | 3949.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.77                 | 22.06                    | 22.06                  |                     |
| Channel         |            |         |           | 648334                | 656000                   | 663666                 | 22.9                |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3954.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.76                 | 22.09                    | 22.07                  |                     |
| Channel         |            |         |           | 648000                | 656000                   | 664000                 | 22.9                |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.76                 | 22.06                    | 22.10                  |                     |
| Channel         |            |         |           | 647668                | 656000                   | 664332                 | 22.9                |
| Frequency (MHz) |            |         |           | 3715.02               | 3840.00                  | 3964.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.76                 | 22.05                    | 22.06                  |                     |
| Channel         |            |         |           | 647334                | 656000                   | 664666                 | 22.9                |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3969.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.80                 | 22.06                    | 22.05                  |                     |
| Channel         |            |         |           | 647168                | 656000                   | 664832                 | 22.9                |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.79                 | 22.06                    | 22.08                  |                     |
| Channel         |            |         |           | 647000                | 656000                   | 665000                 | 22.9                |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.81                 | 22.11                    | 22.09                  |                     |



&lt;FR1 n77\_Ant 9\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 650000                | 656000                   | 662000                 | 20.8                |
| Frequency (MHz) |            |         |           | 3750                  | 3840                     | 3930                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 19.00                 | 19.36                    | 19.00                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 18.93                 | 19.02                    | 18.92                  | 20.8                |
| 100             | PI/2 BPSK  | 1       | 271       | 18.96                 | 19.00                    | 18.94                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 18.97                 | 19.06                    | 18.90                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 18.98                 | 19.08                    | 18.92                  | 20.8                |
| 100             | PI/2 BPSK  | 135     | 138       | 19.00                 | 19.00                    | 18.99                  | 20.8                |
| 100             | PI/2 BPSK  | 270     | 0         | 18.96                 | 19.06                    | 18.94                  |                     |
| 100             | QPSK       | 1       | 1         | 18.96                 | 18.91                    | 18.98                  |                     |
| 100             | QPSK       | 1       | 137       | 19.02                 | 19.00                    | 19.02                  | 20.8                |
| 100             | QPSK       | 1       | 271       | 19.05                 | 18.96                    | 18.95                  |                     |
| 100             | QPSK       | 135     | 0         | 18.94                 | 18.93                    | 19.08                  |                     |
| 100             | QPSK       | 135     | 69        | 18.95                 | 18.94                    | 19.04                  | 20.8                |
| 100             | QPSK       | 135     | 138       | 18.96                 | 18.93                    | 19.03                  | 20.8                |
| 100             | QPSK       | 270     | 0         | 18.99                 | 18.99                    | 19.03                  |                     |
| 100             | 16QAM      | 1       | 1         | 18.82                 | 18.86                    | 18.90                  |                     |
| 100             | 64QAM      | 1       | 1         | 18.96                 | 18.97                    | 18.93                  | 20.8                |
| 100             | 256QAM     | 1       | 1         | 18.64                 | 18.70                    | 18.66                  | 20.0                |
| Channel         |            |         |           | 649668                | 656000                   | 662332                 | 20.8                |
| Frequency (MHz) |            |         |           | 3745.02               | 3840                     | 3934.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 18.85                 | 19.22                    | 18.90                  |                     |
| Channel         |            |         |           | 649334                | 656000                   | 662666                 | 20.8                |
| Frequency (MHz) |            |         |           | 3740.01               | 3840                     | 3939.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 18.84                 | 19.17                    | 18.87                  |                     |
| Channel         |            |         |           | 649000                | 656000                   | 663000                 | 20.8                |
| Frequency (MHz) |            |         |           | 3735                  | 3840                     | 3945                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 18.89                 | 19.24                    | 18.85                  |                     |
| Channel         |            |         |           | 648668                | 656000                   | 663332                 | 20.8                |
| Frequency (MHz) |            |         |           | 3730.02               | 3840                     | 3949.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 18.81                 | 19.20                    | 18.81                  |                     |
| Channel         |            |         |           | 648334                | 656000                   | 663666                 | 20.8                |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3954.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 18.83                 | 19.18                    | 18.86                  |                     |
| Channel         |            |         |           | 648000                | 656000                   | 664000                 | 20.8                |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 18.81                 | 19.24                    | 18.87                  |                     |
| Channel         |            |         |           | 647668                | 656000                   | 664332                 | 20.8                |
| Frequency (MHz) |            |         |           | 3715.02               | 3840.00                  | 3964.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 18.85                 | 19.23                    | 18.83                  |                     |
| Channel         |            |         |           | 647334                | 656000                   | 664666                 | 20.8                |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3969.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 18.89                 | 19.23                    | 18.88                  |                     |
| Channel         |            |         |           | 647168                | 656000                   | 664832                 | 20.8                |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 18.87                 | 19.20                    | 18.85                  |                     |
| Channel         |            |         |           | 647000                | 656000                   | 665000                 | 20.8                |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 18.86                 | 19.19                    | 18.87                  |                     |



<FR1 n77\_Ant 4\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 650000                | 656000                   | 662000                 | 22.0                |
| Frequency (MHz) |            |         |           | 3750                  | 3840                     | 3930                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 21.90                 | 21.44                    | 21.64                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 21.89                 | 21.40                    | 21.57                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 21.86                 | 21.42                    | 21.60                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 21.82                 | 21.53                    | 21.44                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 21.75                 | 21.53                    | 21.48                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 21.83                 | 21.53                    | 21.51                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 21.79                 | 21.50                    | 21.40                  |                     |
| 100             | QPSK       | 1       | 1         | 21.75                 | 21.48                    | 21.41                  |                     |
| 100             | QPSK       | 1       | 137       | 21.84                 | 21.63                    | 21.60                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 20.91                 | 21.70                    | 21.68                  |                     |
| 100             | QPSK       | 135     | 0         | 21.74                 | 21.48                    | 21.40                  |                     |
| 100             | QPSK       | 135     | 69        | 21.73                 | 21.51                    | 21.45                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 21.73                 | 21.50                    | 21.40                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 21.81                 | 21.53                    | 21.43                  |                     |
| 100             | 16QAM      | 1       | 1         | 21.80                 | 21.60                    | 21.60                  |                     |
| 100             | 64QAM      | 1       | 1         | 21.69                 | 21.49                    | 21.47                  | 22.0                |
| 100             | 256QAM     | 1       | 1         | 20.66                 | 20.45                    | 20.37                  | 20.7                |
| Channel         |            |         |           | 649668                | 656000                   | 662332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3745.02               | 3840                     | 3934.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.76                 | 21.24                    | 21.52                  |                     |
| Channel         |            |         |           | 649334                | 656000                   | 662666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3740.01               | 3840                     | 3939.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.72                 | 21.28                    | 21.54                  |                     |
| Channel         |            |         |           | 649000                | 656000                   | 663000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3735                  | 3840                     | 3945                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.76                 | 21.24                    | 21.47                  |                     |
| Channel         |            |         |           | 648668                | 656000                   | 663332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3730.02               | 3840                     | 3949.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.80                 | 21.29                    | 21.46                  |                     |
| Channel         |            |         |           | 648334                | 656000                   | 663666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3954.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.72                 | 21.25                    | 21.45                  |                     |
| Channel         |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.80                 | 21.28                    | 21.49                  |                     |
| Channel         |            |         |           | 647668                | 656000                   | 664332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3715.02               | 3840.00                  | 3964.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.73                 | 21.28                    | 21.54                  |                     |
| Channel         |            |         |           | 647334                | 656000                   | 664666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3969.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.73                 | 21.26                    | 21.53                  |                     |
| Channel         |            |         |           | 647168                | 656000                   | 664832                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.71                 | 21.26                    | 21.46                  |                     |
| Channel         |            |         |           | 647000                | 656000                   | 665000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.75                 | 21.34                    | 21.48                  |                     |



<FR1 n77\_Ant 3\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           | 650000                | 656000                   | 662000                 | 22.0                |
| Frequency (MHz) |            |         |           | 3750                  | 3840                     | 3930                   |                     |
| 100             | PI/2 BPSK  | 1       | 1         | 21.08                 | 21.08                    | 21.31                  |                     |
| 100             | PI/2 BPSK  | 1       | 137       | 20.87                 | 20.95                    | 21.05                  | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       | 21.04                 | 21.06                    | 21.26                  |                     |
| 100             | PI/2 BPSK  | 135     | 0         | 20.77                 | 20.82                    | 20.92                  |                     |
| 100             | PI/2 BPSK  | 135     | 69        | 20.85                 | 20.92                    | 21.10                  | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       | 20.81                 | 20.84                    | 20.95                  | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         | 20.86                 | 20.92                    | 21.12                  |                     |
| 100             | QPSK       | 1       | 1         | 20.88                 | 20.95                    | 21.15                  |                     |
| 100             | QPSK       | 1       | 137       | 20.94                 | 20.95                    | 21.06                  | 22.0                |
| 100             | QPSK       | 1       | 271       | 20.80                 | 21.08                    | 21.30                  |                     |
| 100             | QPSK       | 135     | 0         | 20.81                 | 20.90                    | 21.04                  |                     |
| 100             | QPSK       | 135     | 69        | 20.86                 | 20.88                    | 21.07                  | 22.0                |
| 100             | QPSK       | 135     | 138       | 20.82                 | 20.92                    | 21.05                  | 22.0                |
| 100             | QPSK       | 270     | 0         | 20.77                 | 20.85                    | 21.03                  |                     |
| 100             | 16QAM      | 1       | 1         | 20.94                 | 21.00                    | 21.17                  |                     |
| 100             | 64QAM      | 1       | 1         | 20.95                 | 21.01                    | 21.12                  | 22.0                |
| 100             | 256QAM     | 1       | 1         | 19.94                 | 19.95                    | 20.13                  | 20.7                |
| Channel         |            |         |           | 649668                | 656000                   | 662332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3745.02               | 3840                     | 3934.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.91                 | 20.95                    | 21.17                  |                     |
| Channel         |            |         |           | 649334                | 656000                   | 662666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3740.01               | 3840                     | 3939.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.95                 | 20.88                    | 21.20                  |                     |
| Channel         |            |         |           | 649000                | 656000                   | 663000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3735                  | 3840                     | 3945                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 20.97                 | 20.96                    | 21.16                  |                     |
| Channel         |            |         |           | 648668                | 656000                   | 663332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3730.02               | 3840                     | 3949.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.91                 | 20.97                    | 21.20                  |                     |
| Channel         |            |         |           | 648334                | 656000                   | 663666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3725.01               | 3840                     | 3954.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.92                 | 20.93                    | 21.17                  |                     |
| Channel         |            |         |           | 648000                | 656000                   | 664000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3720                  | 3840                     | 3960                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.91                 | 20.90                    | 21.17                  |                     |
| Channel         |            |         |           | 647668                | 656000                   | 664332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3715.02               | 3840.00                  | 3964.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.91                 | 20.92                    | 21.20                  |                     |
| Channel         |            |         |           | 647334                | 656000                   | 664666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3710.01               | 3840                     | 3969.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.98                 | 20.93                    | 21.21                  |                     |
| Channel         |            |         |           | 647168                | 656000                   | 664832                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3707.52               | 3840                     | 3972.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 20.98                 | 20.91                    | 21.17                  |                     |
| Channel         |            |         |           | 647000                | 656000                   | 665000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3705                  | 3840                     | 3975                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 20.96                 | 20.98                    | 21.20                  |                     |



<FR1 n77\_HPUE\_Ant 8\_DSI 1  
(Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 650000                   | 656000                      | 662000                    |                        |
| Frequency (MHz) |            |         |           | 3750                     | 3840                        | 3930                      |                        |
| 100             | PI/2 BPSK  | 1       | 1         | 24.87                    | 25.04                       | 24.84                     |                        |
| 100             | PI/2 BPSK  | 1       | 137       | 24.83                    | 24.99                       | 24.81                     | 25.9                   |
| 100             | PI/2 BPSK  | 1       | 271       | 24.85                    | 25.01                       | 24.80                     |                        |
| 100             | PI/2 BPSK  | 135     | 0         | 24.65                    | 24.90                       | 24.73                     |                        |
| 100             | PI/2 BPSK  | 135     | 69        | 24.77                    | 24.95                       | 24.75                     | 25.9                   |
| 100             | PI/2 BPSK  | 135     | 138       | 24.73                    | 24.94                       | 24.72                     | 25.9                   |
| 100             | PI/2 BPSK  | 270     | 0         | 24.83                    | 24.97                       | 24.85                     |                        |
| 100             | QPSK       | 1       | 1         | 24.67                    | 24.84                       | 24.68                     |                        |
| 100             | QPSK       | 1       | 137       | 24.78                    | 24.93                       | 24.78                     | 25.9                   |
| 100             | QPSK       | 1       | 271       | 24.75                    | 24.86                       | 24.71                     |                        |
| 100             | QPSK       | 135     | 0         | 24.71                    | 24.85                       | 24.69                     |                        |
| 100             | QPSK       | 135     | 69        | 24.83                    | 24.99                       | 24.85                     | 25.9                   |
| 100             | QPSK       | 135     | 138       | 24.86                    | 24.96                       | 24.78                     | 25.6                   |
| 100             | QPSK       | 270     | 0         | 24.70                    | 24.87                       | 24.73                     |                        |
| 100             | 16QAM      | 1       | 1         | 24.84                    | 25.03                       | 24.90                     |                        |
| 100             | 64QAM      | 1       | 1         | 24.24                    | 24.44                       | 24.29                     | 24.5                   |
| 100             | 256QAM     | 1       | 1         | 22.15                    | 22.31                       | 22.13                     | 22.5                   |
| Channel         |            |         |           | 649668                   | 656000                      | 662332                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3745.02                  | 3840                        | 3934.98                   |                        |
| 90              | PI/2 BPSK  | 1       | 1         | 24.73                    | 24.92                       | 24.64                     |                        |
| Channel         |            |         |           | 649334                   | 656000                      | 662666                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3740.01                  | 3840                        | 3939.99                   |                        |
| 80              | PI/2 BPSK  | 1       | 1         | 24.69                    | 24.92                       | 24.65                     |                        |
| Channel         |            |         |           | 649000                   | 656000                      | 663000                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3735                     | 3840                        | 3945                      |                        |
| 70              | PI/2 BPSK  | 1       | 1         | 24.70                    | 24.85                       | 24.67                     |                        |
| Channel         |            |         |           | 648668                   | 656000                      | 663332                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3730.02                  | 3840                        | 3949.98                   |                        |
| 60              | PI/2 BPSK  | 1       | 1         | 24.68                    | 24.87                       | 24.70                     |                        |
| Channel         |            |         |           | 648334                   | 656000                      | 663666                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3725.01                  | 3840                        | 3954.99                   |                        |
| 50              | PI/2 BPSK  | 1       | 1         | 24.72                    | 24.86                       | 24.65                     |                        |
| Channel         |            |         |           | 648000                   | 656000                      | 664000                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3720                     | 3840                        | 3960                      |                        |
| 40              | PI/2 BPSK  | 1       | 1         | 24.73                    | 24.94                       | 24.68                     |                        |
| Channel         |            |         |           | 647668                   | 656000                      | 664332                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3715.02                  | 3840.00                     | 3964.98                   |                        |
| 30              | PI/2 BPSK  | 1       | 1         | 24.67                    | 24.89                       | 24.69                     |                        |
| Channel         |            |         |           | 647334                   | 656000                      | 664666                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3710.01                  | 3840                        | 3969.99                   |                        |
| 20              | PI/2 BPSK  | 1       | 1         | 24.68                    | 24.94                       | 24.74                     |                        |
| Channel         |            |         |           | 647168                   | 656000                      | 664832                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3707.52                  | 3840                        | 3972.48                   |                        |
| 15              | PI/2 BPSK  | 1       | 1         | 24.73                    | 24.94                       | 24.70                     |                        |
| Channel         |            |         |           | 647000                   | 656000                      | 665000                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3705                     | 3840                        | 3975                      |                        |
| 10              | PI/2 BPSK  | 1       | 1         | 24.67                    | 24.86                       | 24.69                     |                        |



&lt;FR1 n77\_Ant 8\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 21.46                    |                        | 22.9                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 21.35                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 21.44                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 21.23                    |                        | 22.9                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 21.31                    |                        | 22.9                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 21.27                    |                        | 22.9                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 21.26                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 21.22                    |                        | 22.9                |
| 100             | QPSK       | 1       | 137       |                       | 21.31                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 21.40                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 21.24                    |                        | 22.9                |
| 100             | QPSK       | 135     | 69        |                       | 21.25                    |                        | 22.9                |
| 100             | QPSK       | 135     | 138       |                       | 21.26                    |                        | 22.9                |
| 100             | QPSK       | 270     | 0         |                       | 21.27                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 21.29                    |                        | 22.9                |
| 100             | 64QAM      | 1       | 1         |                       | 21.31                    |                        | 21.5                |
| 100             | 256QAM     | 1       | 1         |                       | 18.73                    |                        | 19.5                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.28                 | 21.4                     | 21.35                  | 22.9                |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.19                 | 21.34                    | 21.28                  | 22.9                |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.21                 | 21.22                    | 21.20                  | 22.9                |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.15                 | 21.35                    | 21.18                  | 22.9                |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.09                 | 21.28                    | 21.20                  | 22.9                |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.21                 | 21.20                    | 21.22                  | 22.9                |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.16                 | 21.34                    | 21.30                  | 22.9                |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.22                 | 21.32                    | 21.16                  | 22.9                |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.10                 | 21.26                    | 21.17                  | 22.9                |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.18                 | 21.27                    | 21.30                  | 22.9                |



&lt;FR1 n77\_Ant 9\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|
| Channel         |            |         |           |                             | 633332                         |                              |                        |
| Frequency (MHz) |            |         |           |                             | 3499.98                        |                              |                        |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 19.39                          |                              | 20.8                   |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 19.19                          |                              |                        |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 19.04                          |                              |                        |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 19.26                          |                              | 20.8                   |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 19.28                          |                              | 20.8                   |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 19.01                          |                              | 20.8                   |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 19.14                          |                              |                        |
| 100             | QPSK       | 1       | 1         |                             | 19.32                          |                              | 20.8                   |
| 100             | QPSK       | 1       | 137       |                             | 19.22                          |                              |                        |
| 100             | QPSK       | 1       | 271       |                             | 19.08                          |                              |                        |
| 100             | QPSK       | 135     | 0         |                             | 19.22                          |                              | 20.8                   |
| 100             | QPSK       | 135     | 69        |                             | 19.15                          |                              | 20.8                   |
| 100             | QPSK       | 135     | 138       |                             | 19.04                          |                              | 20.8                   |
| 100             | QPSK       | 270     | 0         |                             | 19.11                          |                              |                        |
| 100             | 16QAM      | 1       | 1         |                             | 19.34                          |                              | 20.8                   |
| 100             | 64QAM      | 1       | 1         |                             | 19.38                          |                              | 20.8                   |
| 100             | 256QAM     | 1       | 1         |                             | 19.33                          |                              | 20.0                   |
| Channel         |            |         |           | 633000                      | 633332                         | 633666                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3495                        | 3499.98                        | 3504.99                      |                        |
| 90              | PI/2 BPSK  | 1       | 1         | 19.19                       | 19.24                          | 19.25                        | 20.8                   |
| Channel         |            |         |           | 632668                      | 633332                         | 634000                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3490.02                     | 3499.98                        | 3510                         |                        |
| 80              | PI/2 BPSK  | 1       | 1         | 19.23                       | 19.27                          | 19.18                        | 20.8                   |
| Channel         |            |         |           | 632334                      | 633332                         | 634332                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3485.01                     | 3499.98                        | 3514.98                      |                        |
| 70              | PI/2 BPSK  | 1       | 1         | 19.27                       | 19.28                          | 19.26                        | 20.8                   |
| Channel         |            |         |           | 632000                      | 633332                         | 634666                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3480                        | 3499.98                        | 3519.99                      |                        |
| 60              | PI/2 BPSK  | 1       | 1         | 19.28                       | 19.24                          | 19.24                        | 20.8                   |
| Channel         |            |         |           | 631668                      | 633332                         | 635000                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3475.02                     | 3499.98                        | 3525                         |                        |
| 50              | PI/2 BPSK  | 1       | 1         | 19.22                       | 19.19                          | 19.18                        | 20.8                   |
| Channel         |            |         |           | 631334                      | 633332                         | 635332                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3470.01                     | 3499.98                        | 3529.98                      |                        |
| 40              | PI/2 BPSK  | 1       | 1         | 19.26                       | 19.19                          | 19.27                        | 20.8                   |
| Channel         |            |         |           | 631000                      | 633332                         | 635666                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3465                        | 3499.98                        | 3534.99                      |                        |
| 30              | PI/2 BPSK  | 1       | 1         | 19.28                       | 19.18                          | 19.24                        | 20.8                   |
| Channel         |            |         |           | 630668                      | 633332                         | 636000                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3460.02                     | 3499.98                        | 3540                         |                        |
| 20              | PI/2 BPSK  | 1       | 1         | 19.28                       | 19.26                          | 19.25                        | 20.8                   |
| Channel         |            |         |           | 630500                      | 633332                         | 636166                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3457.5                      | 3499.98                        | 3542.49                      |                        |
| 15              | PI/2 BPSK  | 1       | 1         | 19.18                       | 19.19                          | 19.21                        | 20.8                   |
| Channel         |            |         |           | 630334                      | 633332                         | 636332                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3455.01                     | 3499.98                        | 3544.98                      |                        |
| 10              | PI/2 BPSK  | 1       | 1         | 19.23                       | 19.24                          | 19.25                        | 20.8                   |



<FR1 n77\_Ant 4\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 20.91                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 20.77                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 20.82                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 20.77                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 20.75                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 20.77                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 20.74                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 20.80                    |                        |                     |
| 100             | QPSK       | 1       | 137       |                       | 20.85                    |                        | 22.0                |
| 100             | QPSK       | 1       | 271       |                       | 20.90                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 20.76                    |                        |                     |
| 100             | QPSK       | 135     | 69        |                       | 20.75                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 20.73                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 20.72                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 20.90                    |                        |                     |
| 100             | 64QAM      | 1       | 1         |                       | 20.85                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 19.88                    |                        | 20.7                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.71                 | 20.74                    | 20.77                  |                     |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.58                 | 20.61                    | 20.58                  |                     |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 20.59                 | 20.64                    | 20.66                  |                     |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.61                 | 20.59                    | 20.65                  |                     |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.58                 | 20.60                    | 20.59                  |                     |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.61                 | 20.57                    | 20.60                  |                     |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.61                 | 20.56                    | 20.59                  |                     |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.61                 | 20.61                    | 20.57                  |                     |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 20.54                 | 20.54                    | 20.65                  |                     |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 20.53                 | 20.60                    | 20.62                  |                     |



&lt;FR1 n77\_Ant 3\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 20.62                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 20.39                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 20.22                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 20.41                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 20.45                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 20.22                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 20.38                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 20.53                    |                        | 22.0                |
| 100             | QPSK       | 1       | 137       |                       | 20.36                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 20.32                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 20.49                    |                        | 22.0                |
| 100             | QPSK       | 135     | 69        |                       | 20.33                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 20.22                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 20.33                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 20.55                    |                        | 22.0                |
| 100             | 64QAM      | 1       | 1         |                       | 20.61                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 19.60                    |                        | 20.7                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.44                 | 20.50                    | 20.50                  | 22.0                |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.28                 | 20.32                    | 20.38                  | 22.0                |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 20.28                 | 20.38                    | 20.38                  | 22.0                |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.34                 | 20.32                    | 20.31                  | 22.0                |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.28                 | 20.37                    | 20.33                  | 22.0                |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.25                 | 20.32                    | 20.34                  | 22.0                |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.28                 | 20.37                    | 20.34                  | 22.0                |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.26                 | 20.38                    | 20.33                  | 22.0                |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 20.34                 | 20.35                    | 20.37                  | 22.0                |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 20.34                 | 20.35                    | 20.39                  | 22.0                |



# FCC SAR TEST REPORT

Report No. : FA411111B

<FR1 n77\_HPUE\_Ant 8\_DSI 1  
(Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           |                          | 633332                      |                           |                        |
| Frequency (MHz) |            |         |           |                          | 3499.98                     |                           |                        |
| 100             | PI/2 BPSK  | 1       | 1         |                          | 25.48                       |                           | 25.9                   |
| 100             | PI/2 BPSK  | 1       | 137       |                          | 25.15                       |                           |                        |
| 100             | PI/2 BPSK  | 1       | 271       |                          | 25.29                       |                           |                        |
| 100             | PI/2 BPSK  | 135     | 0         |                          | 25.10                       |                           | 25.9                   |
| 100             | PI/2 BPSK  | 135     | 69        |                          | 25.14                       |                           | 25.9                   |
| 100             | PI/2 BPSK  | 135     | 138       |                          | 25.12                       |                           | 25.9                   |
| 100             | PI/2 BPSK  | 270     | 0         |                          | 25.13                       |                           |                        |
| 100             | QPSK       | 1       | 1         |                          | 25.17                       |                           | 25.9                   |
| 100             | QPSK       | 1       | 137       |                          | 25.21                       |                           |                        |
| 100             | QPSK       | 1       | 271       |                          | 25.30                       |                           |                        |
| 100             | QPSK       | 135     | 0         |                          | 25.05                       |                           | 25.6                   |
| 100             | QPSK       | 135     | 69        |                          | 25.14                       |                           | 25.9                   |
| 100             | QPSK       | 135     | 138       |                          | 25.09                       |                           | 25.6                   |
| 100             | QPSK       | 270     | 0         |                          | 25.13                       |                           |                        |
| 100             | 16QAM      | 1       | 1         |                          | 25.09                       |                           | 25.6                   |
| 100             | 64QAM      | 1       | 1         |                          | 23.53                       |                           | 24.5                   |
| 100             | 256QAM     | 1       | 1         |                          | 21.63                       |                           | 22.5                   |
| Channel         |            |         |           | 633000                   | 633332                      | 633666                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3495                     | 3499.98                     | 3504.99                   |                        |
| 90              | PI/2 BPSK  | 1       | 1         | 25.40                    | 25.42                       | 25.36                     | 25.9                   |
| Channel         |            |         |           | 632668                   | 633332                      | 634000                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3490.02                  | 3499.98                     | 3510                      |                        |
| 80              | PI/2 BPSK  | 1       | 1         | 25.26                    | 25.23                       | 25.20                     | 25.9                   |
| Channel         |            |         |           | 632334                   | 633332                      | 634332                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3485.01                  | 3499.98                     | 3514.98                   |                        |
| 70              | PI/2 BPSK  | 1       | 1         | 25.22                    | 25.25                       | 25.25                     | 25.9                   |
| Channel         |            |         |           | 632000                   | 633332                      | 634666                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3480                     | 3499.98                     | 3519.99                   |                        |
| 60              | PI/2 BPSK  | 1       | 1         | 25.22                    | 25.30                       | 25.24                     | 25.9                   |
| Channel         |            |         |           | 631668                   | 633332                      | 635000                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3475.02                  | 3499.98                     | 3525                      |                        |
| 50              | PI/2 BPSK  | 1       | 1         | 25.30                    | 25.25                       | 25.22                     | 25.9                   |
| Channel         |            |         |           | 631334                   | 633332                      | 635332                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3470.01                  | 3499.98                     | 3529.98                   |                        |
| 40              | PI/2 BPSK  | 1       | 1         | 25.23                    | 25.24                       | 25.24                     | 25.9                   |
| Channel         |            |         |           | 631000                   | 633332                      | 635666                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3465                     | 3499.98                     | 3534.99                   |                        |
| 30              | PI/2 BPSK  | 1       | 1         | 25.20                    | 25.30                       | 25.22                     | 25.9                   |
| Channel         |            |         |           | 630668                   | 633332                      | 636000                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3460.02                  | 3499.98                     | 3540                      |                        |
| 20              | PI/2 BPSK  | 1       | 1         | 25.30                    | 25.23                       | 25.24                     | 25.9                   |
| Channel         |            |         |           | 630500                   | 633332                      | 636166                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3457.5                   | 3499.98                     | 3542.49                   |                        |
| 15              | PI/2 BPSK  | 1       | 1         | 25.25                    | 25.29                       | 25.18                     | 25.9                   |
| Channel         |            |         |           | 630334                   | 633332                      | 636332                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3455.01                  | 3499.98                     | 3544.98                   |                        |
| 10              | PI/2 BPSK  | 1       | 1         | 25.27                    | 25.23                       | 25.23                     | 25.9                   |



# FCC SAR TEST REPORT

Report No. : FA411111B

<FR1 n77/n78\_Ant 8\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 640000                   | 641666                      | 643332                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3600                     | 3624.99                     | 3649.98                   |                        |
| 100             | PI/2 BPSK  | 1       | 1         | 21.52                    | 21.58                       | 21.53                     |                        |
| 100             | PI/2 BPSK  | 1       | 137       | 21.47                    | 21.53                       | 21.49                     | 22.0                   |
| 100             | PI/2 BPSK  | 1       | 271       | 21.49                    | 21.51                       | 21.50                     |                        |
| 100             | PI/2 BPSK  | 135     | 0         | 21.32                    | 21.42                       | 21.34                     |                        |
| 100             | PI/2 BPSK  | 135     | 69        | 21.40                    | 21.48                       | 21.41                     | 22.0                   |
| 100             | PI/2 BPSK  | 135     | 138       | 21.37                    | 21.47                       | 21.40                     |                        |
| 100             | PI/2 BPSK  | 270     | 0         | 21.34                    | 21.39                       | 21.36                     |                        |
| 100             | QPSK       | 1       | 1         | 21.31                    | 21.38                       | 21.35                     | 22.0                   |
| 100             | QPSK       | 1       | 137       | 21.50                    | 21.57                       | 21.57                     |                        |
| 100             | QPSK       | 1       | 271       | 21.50                    | 21.55                       | 21.47                     |                        |
| 100             | QPSK       | 135     | 0         | 21.45                    | 21.47                       | 21.38                     | 22.0                   |
| 100             | QPSK       | 135     | 69        | 21.38                    | 21.42                       | 21.34                     |                        |
| 100             | QPSK       | 135     | 138       | 21.36                    | 21.44                       | 21.36                     |                        |
| 100             | QPSK       | 270     | 0         | 21.41                    | 21.41                       | 21.34                     | 22.0                   |
| 100             | 16QAM      | 1       | 1         | 21.47                    | 21.50                       | 21.49                     |                        |
| 100             | 64QAM      | 1       | 1         | 21.35                    | 21.45                       | 21.44                     |                        |
| 100             | 256QAM     | 1       | 1         | 19.85                    | 19.91                       | 19.92                     | 20.0                   |
| Channel         |            |         |           | 639668                   | 641666                      | 643666                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3595.02                  | 3624.99                     | 3654.99                   |                        |
| 90              | PI/2 BPSK  | 1       | 1         | 21.37                    | 21.47                       | 21.41                     |                        |
| Channel         |            |         |           | 639334                   | 641666                      | 644000                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3590.01                  | 3624.99                     | 3660                      |                        |
| 80              | PI/2 BPSK  | 1       | 1         | 21.42                    | 21.43                       | 21.33                     |                        |
| Channel         |            |         |           | 639000                   | 641666                      | 644332                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3585                     | 3624.99                     | 3664.98                   |                        |
| 70              | PI/2 BPSK  | 1       | 1         | 21.35                    | 21.47                       | 21.40                     |                        |
| Channel         |            |         |           | 638668                   | 641666                      | 644666                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3580.02                  | 3624.99                     | 3669.99                   |                        |
| 60              | PI/2 BPSK  | 1       | 1         | 21.40                    | 21.43                       | 21.43                     |                        |
| Channel         |            |         |           | 638334                   | 641666                      | 645000                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3575.01                  | 3624.99                     | 3675                      |                        |
| 50              | PI/2 BPSK  | 1       | 1         | 21.41                    | 21.40                       | 21.40                     |                        |
| Channel         |            |         |           | 638000                   | 641666                      | 645332                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3570                     | 3624.99                     | 3679.98                   |                        |
| 40              | PI/2 BPSK  | 1       | 1         | 21.38                    | 21.43                       | 21.36                     |                        |
| Channel         |            |         |           | 637668                   | 641666                      | 645666                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3565.02                  | 3624.99                     | 3684.99                   |                        |
| 30              | PI/2 BPSK  | 1       | 1         | 21.35                    | 21.45                       | 21.39                     |                        |
| Channel         |            |         |           | 637334                   | 641666                      | 646000                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3560.01                  | 3624.99                     | 3690                      |                        |
| 20              | PI/2 BPSK  | 1       | 1         | 21.32                    | 21.43                       | 21.42                     |                        |
| Channel         |            |         |           | 637168                   | 641666                      | 646166                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3557.52                  | 3624.99                     | 3692.49                   |                        |
| 15              | PI/2 BPSK  | 1       | 1         | 21.33                    | 21.41                       | 21.42                     |                        |
| Channel         |            |         |           | 637000                   | 641666                      | 646332                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3555                     | 3624.99                     | 3694.98                   |                        |
| 10              | PI/2 BPSK  | 1       | 1         | 21.40                    | 21.38                       | 21.30                     |                        |



# FCC SAR TEST REPORT

Report No. : FA411111B

<FR1 n77/n78\_Ant 9\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 640000                   | 641666                      | 643332                    | 20.8                   |
| Frequency (MHz) |            |         |           | 3600                     | 3624.99                     | 3649.98                   |                        |
| 100             | PI/2 BPSK  | 1       | 1         | 19.08                    | 19.17                       | 19.06                     |                        |
| 100             | PI/2 BPSK  | 1       | 137       | 19.00                    | 19.15                       | 18.97                     | 20.8                   |
| 100             | PI/2 BPSK  | 1       | 271       | 18.97                    | 19.10                       | 18.95                     |                        |
| 100             | PI/2 BPSK  | 135     | 0         | 18.90                    | 19.26                       | 18.97                     |                        |
| 100             | PI/2 BPSK  | 135     | 69        | 19.00                    | 19.40                       | 19.00                     | 20.8                   |
| 100             | PI/2 BPSK  | 135     | 138       | 19.09                    | 19.42                       | 19.12                     |                        |
| 100             | PI/2 BPSK  | 270     | 0         | 18.95                    | 19.41                       | 18.96                     |                        |
| 100             | QPSK       | 1       | 1         | 18.95                    | 19.10                       | 19.00                     | 20.8                   |
| 100             | QPSK       | 1       | 137       | 18.91                    | 19.40                       | 18.97                     |                        |
| 100             | QPSK       | 1       | 271       | 19.00                    | 19.40                       | 18.91                     |                        |
| 100             | QPSK       | 135     | 0         | 18.93                    | 19.22                       | 18.91                     | 20.8                   |
| 100             | QPSK       | 135     | 69        | 18.95                    | 19.16                       | 19.00                     |                        |
| 100             | QPSK       | 135     | 138       | 18.98                    | 19.15                       | 18.92                     |                        |
| 100             | QPSK       | 270     | 0         | 18.92                    | 19.20                       | 18.91                     | 20.8                   |
| 100             | 16QAM      | 1       | 1         | 19.00                    | 19.20                       | 19.00                     |                        |
| 100             | 64QAM      | 1       | 1         | 18.93                    | 19.21                       | 18.92                     |                        |
| 100             | 256QAM     | 1       | 1         | 18.91                    | 19.22                       | 18.90                     | 20.0                   |
| Channel         |            |         |           | 639668                   | 641666                      | 643666                    | 20.8                   |
| Frequency (MHz) |            |         |           | 3595.02                  | 3624.99                     | 3654.99                   |                        |
| 90              | PI/2 BPSK  | 1       | 1         | 19.00                    | 18.92                       | 18.97                     |                        |
| Channel         |            |         |           | 639334                   | 641666                      | 644000                    | 20.8                   |
| Frequency (MHz) |            |         |           | 3590.01                  | 3624.99                     | 3660                      |                        |
| 80              | PI/2 BPSK  | 1       | 1         | 18.98                    | 18.92                       | 18.97                     |                        |
| Channel         |            |         |           | 639000                   | 641666                      | 644332                    | 20.8                   |
| Frequency (MHz) |            |         |           | 3585                     | 3624.99                     | 3664.98                   |                        |
| 70              | PI/2 BPSK  | 1       | 1         | 18.95                    | 18.92                       | 18.98                     |                        |
| Channel         |            |         |           | 638668                   | 641666                      | 644666                    | 20.8                   |
| Frequency (MHz) |            |         |           | 3580.02                  | 3624.99                     | 3669.99                   |                        |
| 60              | PI/2 BPSK  | 1       | 1         | 18.98                    | 18.97                       | 18.94                     |                        |
| Channel         |            |         |           | 638334                   | 641666                      | 645000                    | 20.8                   |
| Frequency (MHz) |            |         |           | 3575.01                  | 3624.99                     | 3675                      |                        |
| 50              | PI/2 BPSK  | 1       | 1         | 18.91                    | 18.97                       | 18.90                     |                        |
| Channel         |            |         |           | 638000                   | 641666                      | 645332                    | 20.8                   |
| Frequency (MHz) |            |         |           | 3570                     | 3624.99                     | 3679.98                   |                        |
| 40              | PI/2 BPSK  | 1       | 1         | 18.91                    | 18.95                       | 18.96                     |                        |
| Channel         |            |         |           | 637500                   | 641666                      | 645832                    | 20.8                   |
| Frequency (MHz) |            |         |           | 3562.5                   | 3624.99                     | 3687.48                   |                        |
| 25              | PI/2 BPSK  | 1       | 1         | 19.00                    | 18.94                       | 18.95                     |                        |
| Channel         |            |         |           | 637334                   | 641666                      | 646000                    | 20.8                   |
| Frequency (MHz) |            |         |           | 3560.01                  | 3624.99                     | 3690                      |                        |
| 20              | PI/2 BPSK  | 1       | 1         | 18.90                    | 18.93                       | 19.00                     |                        |
| Channel         |            |         |           | 637168                   | 641666                      | 646166                    | 20.8                   |
| Frequency (MHz) |            |         |           | 3557.52                  | 3624.99                     | 3692.49                   |                        |
| 15              | PI/2 BPSK  | 1       | 1         | 18.94                    | 18.91                       | 18.91                     |                        |
| Channel         |            |         |           | 637000                   | 641666                      | 646332                    | 20.8                   |
| Frequency (MHz) |            |         |           | 3555                     | 3624.99                     | 3694.98                   |                        |
| 10              | PI/2 BPSK  | 1       | 1         | 18.94                    | 18.90                       | 18.98                     |                        |



# FCC SAR TEST REPORT

Report No. : FA411111B

<FR1 n77/n78\_Ant 4\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 640000                   | 641666                      | 643332                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3600                     | 3624.99                     | 3649.98                   |                        |
| 100             | PI/2 BPSK  | 1       | 1         | 20.75                    | 21.01                       | 20.76                     |                        |
| 100             | PI/2 BPSK  | 1       | 137       | 20.84                    | 20.90                       | 20.88                     | 22.0                   |
| 100             | PI/2 BPSK  | 1       | 271       | 20.85                    | 20.90                       | 20.80                     |                        |
| 100             | PI/2 BPSK  | 135     | 0         | 20.68                    | 20.77                       | 20.76                     |                        |
| 100             | PI/2 BPSK  | 135     | 69        | 20.80                    | 20.85                       | 20.82                     | 22.0                   |
| 100             | PI/2 BPSK  | 135     | 138       | 20.68                    | 20.89                       | 20.71                     |                        |
| 100             | PI/2 BPSK  | 270     | 0         | 20.83                    | 20.84                       | 20.84                     |                        |
| 100             | QPSK       | 1       | 1         | 20.82                    | 20.90                       | 20.83                     | 22.0                   |
| 100             | QPSK       | 1       | 137       | 20.99                    | 21.00                       | 21.00                     |                        |
| 100             | QPSK       | 1       | 271       | 20.95                    | 20.98                       | 20.91                     |                        |
| 100             | QPSK       | 135     | 0         | 20.74                    | 20.75                       | 20.72                     | 22.0                   |
| 100             | QPSK       | 135     | 69        | 20.76                    | 20.85                       | 20.84                     |                        |
| 100             | QPSK       | 135     | 138       | 20.69                    | 20.77                       | 20.68                     |                        |
| 100             | QPSK       | 270     | 0         | 20.80                    | 20.86                       | 20.86                     | 22.0                   |
| 100             | 16QAM      | 1       | 1         | 20.86                    | 20.92                       | 20.91                     |                        |
| 100             | 64QAM      | 1       | 1         | 20.83                    | 20.91                       | 20.81                     |                        |
| 100             | 256QAM     | 1       | 1         | 19.96                    | 19.96                       | 19.86                     | 20.7                   |
| Channel         |            |         |           | 639668                   | 641666                      | 643666                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3595.02                  | 3624.99                     | 3654.99                   |                        |
| 90              | PI/2 BPSK  | 1       | 1         | 20.55                    | 20.90                       | 20.56                     |                        |
| Channel         |            |         |           | 639334                   | 641666                      | 644000                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3590.01                  | 3624.99                     | 3660                      |                        |
| 80              | PI/2 BPSK  | 1       | 1         | 20.56                    | 20.85                       | 20.62                     |                        |
| Channel         |            |         |           | 639000                   | 641666                      | 644332                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3585                     | 3624.99                     | 3664.98                   |                        |
| 70              | PI/2 BPSK  | 1       | 1         | 20.59                    | 20.82                       | 20.57                     |                        |
| Channel         |            |         |           | 638668                   | 641666                      | 644666                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3580.02                  | 3624.99                     | 3669.99                   |                        |
| 60              | PI/2 BPSK  | 1       | 1         | 20.62                    | 20.90                       | 20.65                     |                        |
| Channel         |            |         |           | 638334                   | 641666                      | 645000                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3575.01                  | 3624.99                     | 3675                      |                        |
| 50              | PI/2 BPSK  | 1       | 1         | 20.65                    | 20.90                       | 20.63                     |                        |
| Channel         |            |         |           | 638000                   | 641666                      | 645332                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3570                     | 3624.99                     | 3679.98                   |                        |
| 40              | PI/2 BPSK  | 1       | 1         | 20.59                    | 20.84                       | 20.63                     |                        |
| Channel         |            |         |           | 637668                   | 641666                      | 645666                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3565.02                  | 3624.99                     | 3684.99                   |                        |
| 30              | PI/2 BPSK  | 1       | 1         | 20.58                    | 20.86                       | 20.59                     |                        |
| Channel         |            |         |           | 637334                   | 641666                      | 646000                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3560.01                  | 3624.99                     | 3690                      |                        |
| 20              | PI/2 BPSK  | 1       | 1         | 20.63                    | 20.86                       | 20.64                     |                        |
| Channel         |            |         |           | 637168                   | 641666                      | 646166                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3557.52                  | 3624.99                     | 3692.49                   |                        |
| 15              | PI/2 BPSK  | 1       | 1         | 20.56                    | 20.81                       | 20.60                     |                        |
| Channel         |            |         |           | 637000                   | 641666                      | 646332                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3555                     | 3624.99                     | 3694.98                   |                        |
| 10              | PI/2 BPSK  | 1       | 1         | 20.62                    | 20.84                       | 20.63                     |                        |



# FCC SAR TEST REPORT

Report No. : FA411111B

<FR1 n77/n78\_Ant 3\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 640000                   | 641666                      | 643332                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3600                     | 3624.99                     | 3649.98                   |                        |
| 100             | PI/2 BPSK  | 1       | 1         | 20.20                    | 20.23                       | 20.80                     |                        |
| 100             | PI/2 BPSK  | 1       | 137       | 20.64                    | 20.16                       | 20.80                     | 22.0                   |
| 100             | PI/2 BPSK  | 1       | 271       | 20.71                    | 20.17                       | 20.74                     |                        |
| 100             | PI/2 BPSK  | 135     | 0         | 20.31                    | 20.40                       | 20.32                     |                        |
| 100             | PI/2 BPSK  | 135     | 69        | 20.49                    | 20.58                       | 20.52                     | 22.0                   |
| 100             | PI/2 BPSK  | 135     | 138       | 20.64                    | 20.67                       | 20.66                     |                        |
| 100             | PI/2 BPSK  | 270     | 0         | 20.52                    | 20.59                       | 20.58                     |                        |
| 100             | QPSK       | 1       | 1         | 20.34                    | 20.36                       | 20.36                     | 22.0                   |
| 100             | QPSK       | 1       | 137       | 20.72                    | 20.76                       | 20.75                     |                        |
| 100             | QPSK       | 1       | 271       | 20.68                    | 20.74                       | 20.67                     |                        |
| 100             | QPSK       | 135     | 0         | 20.30                    | 20.40                       | 20.39                     | 22.0                   |
| 100             | QPSK       | 135     | 69        | 20.60                    | 20.60                       | 20.54                     |                        |
| 100             | QPSK       | 135     | 138       | 20.59                    | 20.63                       | 20.62                     |                        |
| 100             | QPSK       | 270     | 0         | 20.38                    | 20.47                       | 20.46                     | 22.0                   |
| 100             | 16QAM      | 1       | 1         | 20.41                    | 20.45                       | 20.41                     |                        |
| 100             | 64QAM      | 1       | 1         | 20.43                    | 20.44                       | 20.36                     |                        |
| 100             | 256QAM     | 1       | 1         | 19.36                    | 19.44                       | 19.43                     | 20.7                   |
| Channel         |            |         |           | 639668                   | 641666                      | 643666                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3595.02                  | 3624.99                     | 3654.99                   |                        |
| 90              | PI/2 BPSK  | 1       | 1         | 20.02                    | 20.08                       | 20.70                     |                        |
| Channel         |            |         |           | 639334                   | 641666                      | 644000                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3590.01                  | 3624.99                     | 3660                      |                        |
| 80              | PI/2 BPSK  | 1       | 1         | 20.02                    | 20.11                       | 20.65                     |                        |
| Channel         |            |         |           | 639000                   | 641666                      | 644332                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3585                     | 3624.99                     | 3664.98                   |                        |
| 70              | PI/2 BPSK  | 1       | 1         | 20.00                    | 20.10                       | 20.70                     |                        |
| Channel         |            |         |           | 638668                   | 641666                      | 644666                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3580.02                  | 3624.99                     | 3669.99                   |                        |
| 60              | PI/2 BPSK  | 1       | 1         | 20.07                    | 20.13                       | 20.70                     |                        |
| Channel         |            |         |           | 638334                   | 641666                      | 645000                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3575.01                  | 3624.99                     | 3675                      |                        |
| 50              | PI/2 BPSK  | 1       | 1         | 20.03                    | 20.04                       | 20.66                     |                        |
| Channel         |            |         |           | 638000                   | 641666                      | 645332                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3570                     | 3624.99                     | 3679.98                   |                        |
| 40              | PI/2 BPSK  | 1       | 1         | 20.01                    | 20.04                       | 20.65                     |                        |
| Channel         |            |         |           | 637668                   | 641666                      | 645666                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3565.02                  | 3624.99                     | 3684.99                   |                        |
| 30              | PI/2 BPSK  | 1       | 1         | 20.02                    | 20.08                       | 20.66                     |                        |
| Channel         |            |         |           | 637334                   | 641666                      | 646000                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3560.01                  | 3624.99                     | 3690                      |                        |
| 20              | PI/2 BPSK  | 1       | 1         | 20.09                    | 20.04                       | 20.60                     |                        |
| Channel         |            |         |           | 637168                   | 641666                      | 646166                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3557.52                  | 3624.99                     | 3692.49                   |                        |
| 15              | PI/2 BPSK  | 1       | 1         | 20.07                    | 20.13                       | 20.67                     |                        |
| Channel         |            |         |           | 637000                   | 641666                      | 646332                    | 22.0                   |
| Frequency (MHz) |            |         |           | 3555                     | 3624.99                     | 3694.98                   |                        |
| 10              | PI/2 BPSK  | 1       | 1         | 20.12                    | 20.16                       | 20.63                     |                        |



<FR1 n78\_Ant 8\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 650000                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3750                     |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 21.97                    |                        | 22.9                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 21.94                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 21.96                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 21.69                    |                        | 22.9                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 21.88                    |                        | 22.9                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 21.86                    |                        | 22.9                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 21.72                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 21.95                    |                        | 22.9                |
| 100             | QPSK       | 1       | 137       |                       | 21.92                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 21.95                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 21.75                    |                        | 22.9                |
| 100             | QPSK       | 135     | 69        |                       | 21.76                    |                        | 22.9                |
| 100             | QPSK       | 135     | 138       |                       | 21.74                    |                        | 22.9                |
| 100             | QPSK       | 270     | 0         |                       | 21.75                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 21.85                    |                        | 22.9                |
| 100             | 64QAM      | 1       | 1         |                       | 21.89                    |                        | 22.7                |
| 100             | 256QAM     | 1       | 1         |                       | 20.27                    |                        | 20.7                |
| Channel         |            |         |           | 649668                | 650000                   | 650332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3754.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.95                 | 21.95                    | 21.95                  | 22.9                |
| Channel         |            |         |           | 649334                | 650000                   | 650666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3759.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.81                 | 21.80                    | 21.80                  | 22.9                |
| Channel         |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.77                 | 21.84                    | 21.81                  | 22.9                |
| Channel         |            |         |           | 648668                | 650000                   | 651332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3769.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.82                 | 21.84                    | 21.79                  | 22.9                |
| Channel         |            |         |           | 648334                | 650000                   | 651666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3774.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.80                 | 21.79                    | 21.81                  | 22.9                |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.76                 | 21.81                    | 21.84                  | 22.9                |
| Channel         |            |         |           | 647668                | 650000                   | 652332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750.00                  | 3784.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.85                 | 21.78                    | 21.76                  | 22.9                |
| Channel         |            |         |           | 647334                | 650000                   | 652666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3789.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.81                 | 21.82                    | 21.80                  | 22.9                |
| Channel         |            |         |           | 647168                | 650000                   | 652832                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.82                 | 21.78                    | 21.80                  | 22.9                |
| Channel         |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.81                 | 21.80                    | 21.77                  | 22.9                |



&lt;FR1 n78\_Ant 9\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|
| Channel         |            |         |           |                             | 650000                         |                              |                        |
| Frequency (MHz) |            |         |           |                             | 3750                           |                              |                        |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 19.55                          |                              |                        |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 19.42                          |                              | 20.8                   |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 19.38                          |                              |                        |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 19.44                          |                              |                        |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 19.48                          |                              | 20.8                   |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 19.35                          |                              | 20.8                   |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 19.47                          |                              |                        |
| 100             | QPSK       | 1       | 1         |                             | 19.50                          |                              |                        |
| 100             | QPSK       | 1       | 137       |                             | 19.51                          |                              | 20.8                   |
| 100             | QPSK       | 1       | 271       |                             | 19.44                          |                              |                        |
| 100             | QPSK       | 135     | 0         |                             | 19.37                          |                              |                        |
| 100             | QPSK       | 135     | 69        |                             | 19.40                          |                              | 20.8                   |
| 100             | QPSK       | 135     | 138       |                             | 19.33                          |                              | 20.8                   |
| 100             | QPSK       | 270     | 0         |                             | 19.40                          |                              |                        |
| 100             | 16QAM      | 1       | 1         |                             | 19.52                          |                              |                        |
| 100             | 64QAM      | 1       | 1         |                             | 19.54                          |                              | 20.8                   |
| 100             | 256QAM     | 1       | 1         |                             | 19.49                          |                              | 20.0                   |
| Channel         |            |         |           | 649668                      | 650000                         | 650332                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3745.02                     | 3750                           | 3754.98                      |                        |
| 90              | PI/2 BPSK  | 1       | 1         | 19.35                       | 19.44                          | 19.44                        |                        |
| Channel         |            |         |           | 649334                      | 650000                         | 650666                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3750                           | 3759.99                      |                        |
| 80              | PI/2 BPSK  | 1       | 1         | 19.25                       | 19.25                          | 19.30                        |                        |
| Channel         |            |         |           | 649000                      | 650000                         | 651000                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3735                        | 3750                           | 3765                         |                        |
| 70              | PI/2 BPSK  | 1       | 1         | 19.16                       | 19.24                          | 19.25                        |                        |
| Channel         |            |         |           | 648668                      | 650000                         | 651332                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3730.02                     | 3750                           | 3769.98                      |                        |
| 60              | PI/2 BPSK  | 1       | 1         | 19.20                       | 19.32                          | 19.24                        |                        |
| Channel         |            |         |           | 648334                      | 650000                         | 651666                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3725.01                     | 3750                           | 3774.99                      |                        |
| 50              | PI/2 BPSK  | 1       | 1         | 19.23                       | 19.32                          | 19.24                        |                        |
| Channel         |            |         |           | 648000                      | 650000                         | 652000                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3720                        | 3750                           | 3780                         |                        |
| 40              | PI/2 BPSK  | 1       | 1         | 19.17                       | 19.32                          | 19.34                        |                        |
| Channel         |            |         |           | 647668                      | 650000                         | 652332                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3750.00                        | 3784.98                      |                        |
| 30              | PI/2 BPSK  | 1       | 1         | 19.23                       | 19.30                          | 19.32                        |                        |
| Channel         |            |         |           | 647334                      | 650000                         | 652666                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3750                           | 3789.99                      |                        |
| 20              | PI/2 BPSK  | 1       | 1         | 19.15                       | 19.34                          | 19.31                        |                        |
| Channel         |            |         |           | 647168                      | 650000                         | 652832                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3707.52                     | 3750                           | 3792.48                      |                        |
| 15              | PI/2 BPSK  | 1       | 1         | 19.19                       | 19.33                          | 19.32                        |                        |
| Channel         |            |         |           | 647000                      | 650000                         | 653000                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3705                        | 3750                           | 3795                         |                        |
| 10              | PI/2 BPSK  | 1       | 1         | 19.25                       | 19.27                          | 19.34                        |                        |



<FR1 n78\_Ant 4\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 650000                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3750                     |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 21.57                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 21.40                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 21.47                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 21.29                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 21.34                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 21.38                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 21.34                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 21.30                    |                        |                     |
| 100             | QPSK       | 1       | 137       |                       | 21.47                    |                        | 22.0                |
| 100             | QPSK       | 1       | 271       |                       | 21.56                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 21.24                    |                        |                     |
| 100             | QPSK       | 135     | 69        |                       | 21.33                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 21.33                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 21.33                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 21.36                    |                        |                     |
| 100             | 64QAM      | 1       | 1         |                       | 21.38                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 20.31                    |                        | 20.7                |
| Channel         |            |         |           | 649668                | 650000                   | 650332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3745.02               | 3750                     | 3754.98                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.37                 | 21.38                    | 21.43                  |                     |
| Channel         |            |         |           | 649334                | 650000                   | 650666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3740.01               | 3750                     | 3759.99                |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.39                 | 21.45                    | 21.47                  |                     |
| Channel         |            |         |           | 649000                | 650000                   | 651000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3735                  | 3750                     | 3765                   |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.38                 | 21.43                    | 21.46                  |                     |
| Channel         |            |         |           | 648668                | 650000                   | 651332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3730.02               | 3750                     | 3769.98                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.24                 | 21.35                    | 21.26                  |                     |
| Channel         |            |         |           | 648334                | 650000                   | 651666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3725.01               | 3750                     | 3774.99                |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.36                 | 21.18                    | 21.39                  |                     |
| Channel         |            |         |           | 648000                | 650000                   | 652000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3720                  | 3750                     | 3780                   |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.22                 | 21.18                    | 21.28                  |                     |
| Channel         |            |         |           | 647668                | 650000                   | 652332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3715.02               | 3750.00                  | 3784.98                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.27                 | 21.19                    | 21.28                  |                     |
| Channel         |            |         |           | 647334                | 650000                   | 652666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3710.01               | 3750                     | 3789.99                |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.29                 | 21.37                    | 21.26                  |                     |
| Channel         |            |         |           | 647168                | 650000                   | 652832                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3707.52               | 3750                     | 3792.48                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.29                 | 21.34                    | 21.37                  |                     |
| Channel         |            |         |           | 647000                | 650000                   | 653000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3705                  | 3750                     | 3795                   |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.31                 | 21.33                    | 21.41                  |                     |



&lt;FR1 n78\_Ant 3\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power<br>Low<br>Ch. / Freq. | Power<br>Middle<br>Ch. / Freq. | Power<br>High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|-----------------------------|--------------------------------|------------------------------|------------------------|
| Channel         |            |         |           |                             | 650000                         |                              |                        |
| Frequency (MHz) |            |         |           |                             | 3750                           |                              |                        |
| 100             | PI/2 BPSK  | 1       | 1         |                             | 21.10                          |                              |                        |
| 100             | PI/2 BPSK  | 1       | 137       |                             | 20.93                          |                              | 22.0                   |
| 100             | PI/2 BPSK  | 1       | 271       |                             | 20.86                          |                              |                        |
| 100             | PI/2 BPSK  | 135     | 0         |                             | 20.90                          |                              |                        |
| 100             | PI/2 BPSK  | 135     | 69        |                             | 20.88                          |                              | 22.0                   |
| 100             | PI/2 BPSK  | 135     | 138       |                             | 20.83                          |                              | 22.0                   |
| 100             | PI/2 BPSK  | 270     | 0         |                             | 20.91                          |                              |                        |
| 100             | QPSK       | 1       | 1         |                             | 20.97                          |                              |                        |
| 100             | QPSK       | 1       | 137       |                             | 21.04                          |                              | 22.0                   |
| 100             | QPSK       | 1       | 271       |                             | 20.93                          |                              |                        |
| 100             | QPSK       | 135     | 0         |                             | 20.90                          |                              |                        |
| 100             | QPSK       | 135     | 69        |                             | 20.88                          |                              | 22.0                   |
| 100             | QPSK       | 135     | 138       |                             | 20.80                          |                              | 22.0                   |
| 100             | QPSK       | 270     | 0         |                             | 20.87                          |                              |                        |
| 100             | 16QAM      | 1       | 1         |                             | 21.09                          |                              |                        |
| 100             | 64QAM      | 1       | 1         |                             | 21.00                          |                              | 22.0                   |
| 100             | 256QAM     | 1       | 1         |                             | 20.09                          |                              | 20.7                   |
| Channel         |            |         |           | 649668                      | 650000                         | 650332                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3745.02                     | 3750                           | 3754.98                      |                        |
| 90              | PI/2 BPSK  | 1       | 1         | 20.97                       | 20.98                          | 20.94                        |                        |
| Channel         |            |         |           | 649334                      | 650000                         | 650666                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3740.01                     | 3750                           | 3759.99                      |                        |
| 80              | PI/2 BPSK  | 1       | 1         | 20.95                       | 20.94                          | 20.92                        |                        |
| Channel         |            |         |           | 649000                      | 650000                         | 651000                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3735                        | 3750                           | 3765                         |                        |
| 70              | PI/2 BPSK  | 1       | 1         | 20.98                       | 20.99                          | 20.90                        |                        |
| Channel         |            |         |           | 648668                      | 650000                         | 651332                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3730.02                     | 3750                           | 3769.98                      |                        |
| 60              | PI/2 BPSK  | 1       | 1         | 20.96                       | 20.90                          | 20.91                        |                        |
| Channel         |            |         |           | 648334                      | 650000                         | 651666                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3725.01                     | 3750                           | 3774.99                      |                        |
| 50              | PI/2 BPSK  | 1       | 1         | 20.96                       | 21.00                          | 20.90                        |                        |
| Channel         |            |         |           | 648000                      | 650000                         | 652000                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3720                        | 3750                           | 3780                         |                        |
| 40              | PI/2 BPSK  | 1       | 1         | 20.98                       | 20.97                          | 20.93                        |                        |
| Channel         |            |         |           | 647668                      | 650000                         | 652332                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3715.02                     | 3750.00                        | 3784.98                      |                        |
| 30              | PI/2 BPSK  | 1       | 1         | 20.99                       | 20.97                          | 20.90                        |                        |
| Channel         |            |         |           | 647334                      | 650000                         | 652666                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3710.01                     | 3750                           | 3789.99                      |                        |
| 20              | PI/2 BPSK  | 1       | 1         | 20.95                       | 21.00                          | 20.95                        |                        |
| Channel         |            |         |           | 647168                      | 650000                         | 652832                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3707.52                     | 3750                           | 3792.48                      |                        |
| 15              | PI/2 BPSK  | 1       | 1         | 20.98                       | 20.96                          | 20.98                        |                        |
| Channel         |            |         |           | 647000                      | 650000                         | 653000                       | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3705                        | 3750                           | 3795                         |                        |
| 10              | PI/2 BPSK  | 1       | 1         | 20.95                       | 20.96                          | 20.94                        |                        |



# FCC SAR TEST REPORT

Report No. : FA411111B

<FR1 n78\_HPUE\_Ant 8\_DSI 1  
(Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           |                          | 650000                      |                           |                        |
| Frequency (MHz) |            |         |           |                          | 3750                        |                           |                        |
| 100             | PI/2 BPSK  | 1       | 1         |                          | 24.93                       |                           | 25.9                   |
| 100             | PI/2 BPSK  | 1       | 137       |                          | 24.80                       |                           |                        |
| 100             | PI/2 BPSK  | 1       | 271       |                          | 24.90                       |                           |                        |
| 100             | PI/2 BPSK  | 135     | 0         |                          | 24.80                       |                           | 25.9                   |
| 100             | PI/2 BPSK  | 135     | 69        |                          | 24.87                       |                           | 25.9                   |
| 100             | PI/2 BPSK  | 135     | 138       |                          | 24.86                       |                           | 25.9                   |
| 100             | PI/2 BPSK  | 270     | 0         |                          | 24.85                       |                           |                        |
| 100             | QPSK       | 1       | 1         |                          | 24.80                       |                           | 25.9                   |
| 100             | QPSK       | 1       | 137       |                          | 24.90                       |                           |                        |
| 100             | QPSK       | 1       | 271       |                          | 24.77                       |                           |                        |
| 100             | QPSK       | 135     | 0         |                          | 24.80                       |                           | 25.6                   |
| 100             | QPSK       | 135     | 69        |                          | 24.69                       |                           | 25.9                   |
| 100             | QPSK       | 135     | 138       |                          | 24.76                       |                           | 25.6                   |
| 100             | QPSK       | 270     | 0         |                          | 24.82                       |                           |                        |
| 100             | 16QAM      | 1       | 1         |                          | 24.90                       |                           | 25.6                   |
| 100             | 64QAM      | 1       | 1         |                          | 24.38                       |                           | 24.5                   |
| 100             | 256QAM     | 1       | 1         |                          | 22.23                       |                           | 22.5                   |
| Channel         |            |         |           | 649668                   | 650000                      | 650332                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3745.02                  | 3750                        | 3754.98                   |                        |
| 90              | PI/2 BPSK  | 1       | 1         | 24.76                    | 24.78                       | 24.78                     | 25.9                   |
| Channel         |            |         |           | 649334                   | 650000                      | 650666                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3740.01                  | 3750                        | 3759.99                   |                        |
| 80              | PI/2 BPSK  | 1       | 1         | 24.66                    | 24.70                       | 24.71                     | 25.9                   |
| Channel         |            |         |           | 649000                   | 650000                      | 651000                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3735                     | 3750                        | 3765                      |                        |
| 70              | PI/2 BPSK  | 1       | 1         | 24.63                    | 24.65                       | 24.65                     | 25.9                   |
| Channel         |            |         |           | 648668                   | 650000                      | 651332                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3730.02                  | 3750                        | 3769.98                   |                        |
| 60              | PI/2 BPSK  | 1       | 1         | 24.64                    | 24.61                       | 24.60                     | 25.9                   |
| Channel         |            |         |           | 648334                   | 650000                      | 651666                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3725.01                  | 3750                        | 3774.99                   |                        |
| 50              | PI/2 BPSK  | 1       | 1         | 24.65                    | 24.62                       | 24.65                     | 25.9                   |
| Channel         |            |         |           | 648000                   | 650000                      | 652000                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3720                     | 3750                        | 3780                      |                        |
| 40              | PI/2 BPSK  | 1       | 1         | 24.62                    | 24.66                       | 24.61                     | 25.9                   |
| Channel         |            |         |           | 647668                   | 650000                      | 652332                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3715.02                  | 3750.00                     | 3784.98                   |                        |
| 30              | PI/2 BPSK  | 1       | 1         | 24.60                    | 24.60                       | 24.67                     | 25.9                   |
| Channel         |            |         |           | 647334                   | 650000                      | 652666                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3710.01                  | 3750                        | 3789.99                   |                        |
| 20              | PI/2 BPSK  | 1       | 1         | 24.60                    | 24.62                       | 24.60                     | 25.9                   |
| Channel         |            |         |           | 647168                   | 650000                      | 652832                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3707.52                  | 3750                        | 3792.48                   |                        |
| 15              | PI/2 BPSK  | 1       | 1         | 24.56                    | 24.62                       | 24.61                     | 25.9                   |
| Channel         |            |         |           | 647000                   | 650000                      | 653000                    | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 3705                     | 3750                        | 3795                      |                        |
| 10              | PI/2 BPSK  | 1       | 1         | 24.62                    | 24.68                       | 24.60                     | 25.9                   |



<FR1 n78\_Ant 8\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 21.79                    |                        | 22.9                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 21.75                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 21.77                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 21.70                    |                        | 22.9                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 21.63                    |                        | 22.9                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 21.62                    |                        | 22.9                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 21.63                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 21.78                    |                        | 22.9                |
| 100             | QPSK       | 1       | 137       |                       | 21.75                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 21.73                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 21.62                    |                        | 22.9                |
| 100             | QPSK       | 135     | 69        |                       | 21.66                    |                        | 22.9                |
| 100             | QPSK       | 135     | 138       |                       | 21.67                    |                        | 22.9                |
| 100             | QPSK       | 270     | 0         |                       | 21.64                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 21.72                    |                        | 22.9                |
| 100             | 64QAM      | 1       | 1         |                       | 21.70                    |                        | 22.7                |
| 100             | 256QAM     | 1       | 1         |                       | 20.14                    |                        | 20.7                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.67                 | 21.70                    | 21.63                  | 22.9                |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.58                 | 21.57                    | 21.60                  | 22.9                |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.64                 | 21.67                    | 21.63                  | 22.9                |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.66                 | 21.58                    | 21.58                  | 22.9                |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.58                 | 21.66                    | 21.63                  | 22.9                |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.60                 | 21.62                    | 21.61                  | 22.9                |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.67                 | 21.62                    | 21.58                  | 22.9                |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.63                 | 21.65                    | 21.66                  | 22.9                |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.65                 | 21.67                    | 21.64                  | 22.9                |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.65                 | 21.61                    | 21.60                  | 22.9                |



<FR1 n78\_Ant 9\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 19.47                    |                        | 20.8                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 19.40                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 19.34                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 19.42                    |                        | 20.8                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 19.44                    |                        | 20.8                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 19.37                    |                        | 20.8                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 19.42                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 19.41                    |                        | 20.8                |
| 100             | QPSK       | 1       | 137       |                       | 19.41                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 19.40                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 19.41                    |                        | 20.8                |
| 100             | QPSK       | 135     | 69        |                       | 19.33                    |                        | 20.8                |
| 100             | QPSK       | 135     | 138       |                       | 19.36                    |                        | 20.8                |
| 100             | QPSK       | 270     | 0         |                       | 19.37                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 19.45                    |                        | 20.8                |
| 100             | 64QAM      | 1       | 1         |                       | 19.40                    |                        | 20.8                |
| 100             | 256QAM     | 1       | 1         |                       | 19.39                    |                        | 20.0                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 19.34                 | 19.28                    | 19.18                  | 20.8                |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 19.30                 | 19.32                    | 19.27                  | 20.8                |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 19.23                 | 19.23                    | 19.23                  | 20.8                |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 19.25                 | 19.24                    | 19.26                  | 20.8                |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 19.20                 | 19.34                    | 19.29                  | 20.8                |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 19.20                 | 19.19                    | 19.23                  | 20.8                |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 19.25                 | 19.33                    | 19.22                  | 20.8                |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 19.31                 | 19.17                    | 19.17                  | 20.8                |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 19.21                 | 19.25                    | 19.34                  | 20.8                |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 19.33                 | 19.34                    | 19.23                  | 20.8                |



&lt;FR1 n78\_Ant 4\_DSI 1 (Wlan Off)&gt;

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 21.34                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 21.25                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 21.18                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 21.14                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 21.18                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 21.14                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 21.21                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 21.22                    |                        | 22.0                |
| 100             | QPSK       | 1       | 137       |                       | 21.33                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 21.28                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 21.19                    |                        | 22.0                |
| 100             | QPSK       | 135     | 69        |                       | 21.17                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 21.20                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 21.17                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 21.30                    |                        | 22.0                |
| 100             | 64QAM      | 1       | 1         |                       | 21.25                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 20.21                    |                        | 20.7                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 21.19                 | 21.23                    | 21.24                  | 22.0                |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 21.07                 | 21.09                    | 21.11                  | 22.0                |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 21.09                 | 21.10                    | 21.06                  | 22.0                |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 21.09                 | 21.08                    | 21.04                  | 22.0                |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 21.09                 | 21.08                    | 21.11                  | 22.0                |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 21.05                 | 21.03                    | 21.05                  | 22.0                |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 21.09                 | 21.12                    | 21.11                  | 22.0                |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 21.03                 | 21.11                    | 21.10                  | 22.0                |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 21.00                 | 21.06                    | 21.14                  | 22.0                |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 21.03                 | 21.06                    | 21.12                  | 22.0                |



<FR1 n78\_Ant 3\_DSI 1 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 20.80                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 20.65                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 20.71                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 20.48                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 20.51                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 20.62                    |                        | 22.0                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 20.64                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 20.51                    |                        | 22.0                |
| 100             | QPSK       | 1       | 137       |                       | 20.69                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 20.71                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 20.50                    |                        | 22.0                |
| 100             | QPSK       | 135     | 69        |                       | 20.58                    |                        | 22.0                |
| 100             | QPSK       | 135     | 138       |                       | 20.65                    |                        | 22.0                |
| 100             | QPSK       | 270     | 0         |                       | 20.65                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 20.64                    |                        | 22.0                |
| 100             | 64QAM      | 1       | 1         |                       | 20.63                    |                        | 22.0                |
| 100             | 256QAM     | 1       | 1         |                       | 19.60                    |                        | 20.7                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 20.51                 | 20.58                    | 20.53                  | 22.0                |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 20.59                 | 20.54                    | 20.60                  | 22.0                |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 20.51                 | 20.51                    | 20.54                  | 22.0                |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 20.60                 | 20.60                    | 20.60                  | 22.0                |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 20.56                 | 20.60                    | 20.55                  | 22.0                |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 20.54                 | 20.56                    | 20.54                  | 22.0                |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 20.57                 | 20.50                    | 20.58                  | 22.0                |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 20.56                 | 20.54                    | 20.57                  | 22.0                |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 20.51                 | 20.57                    | 20.53                  | 22.0                |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 20.51                 | 20.50                    | 20.60                  | 22.0                |



# FCC SAR TEST REPORT

Report No. : FA411111B

<FR1 n78\_HPUE\_Ant 8\_DSI 1  
(Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------------------|
| Channel         |            |         |           |                       | 633332                   |                        |                     |
| Frequency (MHz) |            |         |           |                       | 3499.98                  |                        |                     |
| 100             | PI/2 BPSK  | 1       | 1         |                       | 24.75                    |                        | 25.9                |
| 100             | PI/2 BPSK  | 1       | 137       |                       | 24.69                    |                        |                     |
| 100             | PI/2 BPSK  | 1       | 271       |                       | 24.68                    |                        |                     |
| 100             | PI/2 BPSK  | 135     | 0         |                       | 24.65                    |                        | 25.9                |
| 100             | PI/2 BPSK  | 135     | 69        |                       | 24.71                    |                        | 25.9                |
| 100             | PI/2 BPSK  | 135     | 138       |                       | 24.70                    |                        | 25.9                |
| 100             | PI/2 BPSK  | 270     | 0         |                       | 24.71                    |                        |                     |
| 100             | QPSK       | 1       | 1         |                       | 24.64                    |                        | 25.9                |
| 100             | QPSK       | 1       | 137       |                       | 24.73                    |                        |                     |
| 100             | QPSK       | 1       | 271       |                       | 24.74                    |                        |                     |
| 100             | QPSK       | 135     | 0         |                       | 24.68                    |                        | 25.6                |
| 100             | QPSK       | 135     | 69        |                       | 24.70                    |                        | 25.9                |
| 100             | QPSK       | 135     | 138       |                       | 24.74                    |                        | 25.6                |
| 100             | QPSK       | 270     | 0         |                       | 24.68                    |                        |                     |
| 100             | 16QAM      | 1       | 1         |                       | 24.70                    |                        | 25.6                |
| 100             | 64QAM      | 1       | 1         |                       | 24.27                    |                        | 24.5                |
| 100             | 256QAM     | 1       | 1         |                       | 22.23                    |                        | 22.5                |
| Channel         |            |         |           | 633000                | 633332                   | 633666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3495                  | 3499.98                  | 3504.99                |                     |
| 90              | PI/2 BPSK  | 1       | 1         | 24.72                 | 24.70                    | 24.68                  | 25.9                |
| Channel         |            |         |           | 632668                | 633332                   | 634000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3490.02               | 3499.98                  | 3510                   |                     |
| 80              | PI/2 BPSK  | 1       | 1         | 24.68                 | 24.68                    | 24.66                  | 25.9                |
| Channel         |            |         |           | 632334                | 633332                   | 634332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3485.01               | 3499.98                  | 3514.98                |                     |
| 70              | PI/2 BPSK  | 1       | 1         | 24.60                 | 24.68                    | 24.70                  | 25.9                |
| Channel         |            |         |           | 632000                | 633332                   | 634666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3480                  | 3499.98                  | 3519.99                |                     |
| 60              | PI/2 BPSK  | 1       | 1         | 24.68                 | 24.68                    | 24.64                  | 25.9                |
| Channel         |            |         |           | 631668                | 633332                   | 635000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3475.02               | 3499.98                  | 3525                   |                     |
| 50              | PI/2 BPSK  | 1       | 1         | 24.60                 | 24.65                    | 24.64                  | 25.9                |
| Channel         |            |         |           | 631334                | 633332                   | 635332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3470.01               | 3499.98                  | 3529.98                |                     |
| 40              | PI/2 BPSK  | 1       | 1         | 24.62                 | 24.66                    | 24.60                  | 25.9                |
| Channel         |            |         |           | 631000                | 633332                   | 635666                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3465                  | 3499.98                  | 3534.99                |                     |
| 30              | PI/2 BPSK  | 1       | 1         | 24.69                 | 24.66                    | 24.66                  | 25.9                |
| Channel         |            |         |           | 630668                | 633332                   | 636000                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3460.02               | 3499.98                  | 3540                   |                     |
| 20              | PI/2 BPSK  | 1       | 1         | 24.60                 | 24.63                    | 24.70                  | 25.9                |
| Channel         |            |         |           | 630500                | 633332                   | 636166                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3457.5                | 3499.98                  | 3542.49                |                     |
| 15              | PI/2 BPSK  | 1       | 1         | 24.69                 | 24.63                    | 24.69                  | 25.9                |
| Channel         |            |         |           | 630334                | 633332                   | 636332                 | Tune-up limit (dBm) |
| Frequency (MHz) |            |         |           | 3455.01               | 3499.98                  | 3544.98                |                     |
| 10              | PI/2 BPSK  | 1       | 1         | 24.69                 | 24.65                    | 24.64                  | 25.9                |

## Head\_DSI2

| Band            |                    | WCDMA II_Ant 1_DSI 2 (Wlan Off) |       |        | Tune-up<br>Limit<br>(dBm) | WCDMA IV_Ant 1_DSI 2 (Wlan Off) |        |        | Tune-up<br>Limit<br>(dBm) | WCDMA V_Ant 1_DSI 2 (Wlan Off) |       |       | Tune-up<br>Limit<br>(dBm) |
|-----------------|--------------------|---------------------------------|-------|--------|---------------------------|---------------------------------|--------|--------|---------------------------|--------------------------------|-------|-------|---------------------------|
| TX Channel      |                    | 9262                            | 9400  | 9538   |                           | 1312                            | 1413   | 1513   |                           | 4132                           | 4182  | 4233  |                           |
| Rx Channel      |                    | 9662                            | 9800  | 9938   |                           | 1537                            | 1638   | 1738   |                           | 4357                           | 4407  | 4458  |                           |
| Frequency (MHz) |                    | 1852.4                          | 1880  | 1907.6 |                           | 1712.4                          | 1732.6 | 1752.6 |                           | 826.4                          | 836.4 | 846.6 |                           |
| 3GPP Rel 99     | RMC 12.2Kbps       | 23.22                           | 23.61 | 23.71  | 25.20                     | 24.21                           | 24.43  | 24.44  | 25.20                     | 24.68                          | 24.58 | 24.49 | 25.20                     |
| 3GPP Rel 6      | HSDPA Subtest-1    | 22.25                           | 22.65 | 22.75  | 24.20                     | 23.23                           | 23.38  | 23.49  | 24.20                     | 23.66                          | 23.69 | 23.42 | 24.20                     |
| 3GPP Rel 6      | HSDPA Subtest-2    | 22.28                           | 22.58 | 22.73  | 24.20                     | 23.22                           | 23.41  | 23.51  | 24.20                     | 23.63                          | 23.63 | 23.41 | 24.20                     |
| 3GPP Rel 6      | HSDPA Subtest-3    | 21.75                           | 22.07 | 22.22  | 23.70                     | 22.75                           | 22.89  | 22.98  | 23.70                     | 23.12                          | 23.15 | 22.88 | 23.70                     |
| 3GPP Rel 6      | HSDPA Subtest-4    | 21.90                           | 22.10 | 22.26  | 23.70                     | 22.73                           | 22.91  | 22.92  | 23.70                     | 23.14                          | 23.17 | 23.02 | 23.70                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 22.22                           | 22.47 | 22.57  | 24.20                     | 23.06                           | 23.29  | 23.42  | 24.20                     | 23.65                          | 23.67 | 23.36 | 24.20                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 22.27                           | 22.41 | 22.68  | 24.20                     | 23.08                           | 23.38  | 23.42  | 24.20                     | 23.60                          | 23.50 | 23.27 | 24.20                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 21.81                           | 21.95 | 22.22  | 23.70                     | 22.67                           | 22.82  | 22.90  | 23.70                     | 22.93                          | 23.09 | 22.74 | 23.70                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 21.87                           | 21.96 | 22.15  | 23.70                     | 22.73                           | 22.83  | 22.87  | 23.70                     | 22.98                          | 23.05 | 22.86 | 23.70                     |
| 3GPP Rel 6      | HSUPA Subtest-1    | 22.35                           | 22.63 | 22.73  | 24.20                     | 23.19                           | 23.37  | 23.39  | 24.20                     | 23.65                          | 23.63 | 23.42 | 24.20                     |
| 3GPP Rel 6      | HSUPA Subtest-2    | 20.43                           | 20.60 | 20.72  | 22.20                     | 21.21                           | 21.39  | 21.44  | 22.20                     | 21.71                          | 21.65 | 21.39 | 22.20                     |
| 3GPP Rel 6      | HSUPA Subtest-3    | 21.22                           | 21.55 | 21.71  | 23.20                     | 22.23                           | 22.31  | 22.36  | 23.20                     | 22.63                          | 22.62 | 22.35 | 23.20                     |
| 3GPP Rel 6      | HSUPA Subtest-4    | 20.46                           | 20.55 | 20.78  | 22.20                     | 21.22                           | 21.41  | 21.47  | 22.20                     | 21.66                          | 21.56 | 21.37 | 22.20                     |
| 3GPP Rel 6      | HSUPA Subtest-5    | 22.20                           | 22.60 | 22.70  | 24.20                     | 23.20                           | 23.40  | 23.40  | 24.20                     | 23.60                          | 23.60 | 23.40 | 24.20                     |

| Band            |                    | WCDMA IV_Ant 1_DSI 2 (Wlan On) |        |        | Tune-up<br>Limit<br>(dBm) |
|-----------------|--------------------|--------------------------------|--------|--------|---------------------------|
| TX Channel      |                    | 1312                           | 1413   | 1513   |                           |
| Rx Channel      |                    | 1537                           | 1638   | 1738   |                           |
| Frequency (MHz) |                    | 1712.4                         | 1732.6 | 1752.6 |                           |
| 3GPP Rel 99     | RMC 12.2Kbps       | 24.21                          | 24.43  | 24.44  | 24.70                     |
| 3GPP Rel 6      | HSDPA Subtest-1    | 23.23                          | 23.38  | 23.49  | 23.70                     |
| 3GPP Rel 6      | HSDPA Subtest-2    | 23.22                          | 23.41  | 23.51  | 23.70                     |
| 3GPP Rel 6      | HSDPA Subtest-3    | 22.75                          | 22.89  | 22.98  | 23.20                     |
| 3GPP Rel 6      | HSDPA Subtest-4    | 22.73                          | 22.91  | 22.92  | 23.20                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-1 | 23.06                          | 23.29  | 23.42  | 23.70                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-2 | 23.08                          | 23.38  | 23.42  | 23.70                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-3 | 22.67                          | 22.82  | 22.90  | 23.20                     |
| 3GPP Rel 8      | DC-HSDPA Subtest-4 | 22.73                          | 22.83  | 22.87  | 23.20                     |
| 3GPP Rel 6      | HSUPA Subtest-1    | 23.19                          | 23.37  | 23.39  | 23.70                     |
| 3GPP Rel 6      | HSUPA Subtest-2    | 21.21                          | 21.39  | 21.44  | 21.70                     |
| 3GPP Rel 6      | HSUPA Subtest-3    | 22.23                          | 22.31  | 22.36  | 22.70                     |
| 3GPP Rel 6      | HSUPA Subtest-4    | 21.22                          | 21.41  | 21.47  | 21.70                     |
| 3GPP Rel 6      | HSUPA Subtest-5    | 23.20                          | 23.40  | 23.40  | 23.70                     |

**<LTE Band 2\_Ant 1\_DSI 2 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 18700                    | 18900                       | 19100                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |
| 20              | QPSK       | 1       | 0         | 24.01                    | 24.27                       | 24.18                     | 25.2                   |
| 20              | QPSK       | 1       | 49        | 24.14                    | 24.18                       | 24.14                     |                        |
| 20              | QPSK       | 1       | 99        | 24.13                    | 24.21                       | 24.12                     |                        |
| 20              | QPSK       | 50      | 0         | 23.09                    | 23.28                       | 23.18                     | 24.2                   |
| 20              | QPSK       | 50      | 24        | 23.17                    | 23.27                       | 23.32                     |                        |
| 20              | QPSK       | 50      | 50        | 23.18                    | 23.27                       | 23.26                     |                        |
| 20              | QPSK       | 100     | 0         | 23.16                    | 23.24                       | 23.29                     |                        |
| 20              | 16QAM      | 1       | 0         | 23.03                    | 23.23                       | 23.28                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 23.21                    | 23.38                       | 23.30                     |                        |
| 20              | 16QAM      | 1       | 99        | 23.31                    | 23.31                       | 23.22                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.88                    | 22.03                       | 22.02                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 22.04                    | 22.06                       | 22.06                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.05                    | 22.09                       | 22.07                     |                        |
| 20              | 16QAM      | 100     | 0         | 22.00                    | 22.02                       | 22.07                     |                        |
| 20              | 64QAM      | 1       | 0         | 22.29                    | 22.12                       | 22.29                     | 23.2                   |
| 20              | 64QAM      | 1       | 49        | 22.23                    | 22.37                       | 22.24                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.23                    | 22.18                       | 22.13                     |                        |
| 20              | 64QAM      | 50      | 0         | 20.96                    | 21.00                       | 21.04                     | 22.2                   |
| 20              | 64QAM      | 50      | 24        | 21.03                    | 21.06                       | 21.09                     |                        |
| 20              | 64QAM      | 50      | 50        | 21.03                    | 21.10                       | 21.07                     |                        |
| 20              | 64QAM      | 100     | 0         | 21.02                    | 21.04                       | 21.10                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.91                    | 19.19                       | 19.09                     | 20.2                   |
| 20              | 256QAM     | 1       | 49        | 19.05                    | 19.25                       | 19.17                     |                        |
| 20              | 256QAM     | 1       | 99        | 19.09                    | 19.20                       | 19.34                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.97                    | 19.05                       | 19.08                     | 20.2                   |
| 20              | 256QAM     | 50      | 24        | 19.05                    | 19.15                       | 19.09                     |                        |
| 20              | 256QAM     | 50      | 50        | 19.07                    | 19.17                       | 19.16                     |                        |
| 20              | 256QAM     | 100     | 0         | 19.02                    | 19.12                       | 19.13                     |                        |
| Channel         |            |         |           | 18675                    | 18900                       | 19125                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1902.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.83                    | 24.12                       | 24.01                     | 25.2                   |
| 15              | QPSK       | 1       | 37        | 24.03                    | 23.99                       | 23.99                     |                        |
| 15              | QPSK       | 1       | 74        | 23.96                    | 24.07                       | 24.02                     |                        |
| 15              | QPSK       | 36      | 0         | 22.95                    | 23.13                       | 23.03                     | 24.2                   |
| 15              | QPSK       | 36      | 20        | 23.07                    | 23.10                       | 23.18                     |                        |
| 15              | QPSK       | 36      | 39        | 23.03                    | 23.14                       | 23.12                     |                        |
| 15              | QPSK       | 75      | 0         | 22.99                    | 23.11                       | 23.14                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.83                    | 23.10                       | 23.08                     | 24.2                   |
| 15              | 16QAM      | 1       | 37        | 23.08                    | 23.22                       | 23.17                     |                        |
| 15              | 16QAM      | 1       | 74        | 23.18                    | 23.20                       | 23.08                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.69                    | 21.86                       | 21.85                     | 23.2                   |
| 15              | 16QAM      | 36      | 20        | 21.92                    | 21.88                       | 21.91                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.95                    | 21.96                       | 21.96                     |                        |
| 15              | 16QAM      | 75      | 0         | 21.86                    | 21.92                       | 21.92                     |                        |
| 15              | 64QAM      | 1       | 0         | 22.16                    | 21.93                       | 22.13                     | 23.2                   |
| 15              | 64QAM      | 1       | 37        | 22.07                    | 22.26                       | 22.14                     |                        |
| 15              | 64QAM      | 1       | 74        | 22.06                    | 22.03                       | 21.96                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.79                    | 20.90                       | 20.88                     | 22.2                   |
| 15              | 64QAM      | 36      | 20        | 20.84                    | 20.88                       | 20.96                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.93                    | 20.97                       | 20.90                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.88                    | 20.94                       | 20.91                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.73                    | 19.03                       | 18.92                     | 20.2                   |
| 15              | 256QAM     | 1       | 37        | 18.95                    | 19.07                       | 19.01                     |                        |
| 15              | 256QAM     | 1       | 74        | 18.91                    | 19.01                       | 19.23                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.83                    | 18.90                       | 18.96                     | 20.2                   |
| 15              | 256QAM     | 36      | 20        | 18.90                    | 19.00                       | 18.99                     |                        |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 18.92  | 19.03 | 18.96  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 18.84  | 18.94 | 19.01  |                     |
| Channel         |        |    |    | 18650  | 18900 | 19150  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1855   | 1880  | 1905   |                     |
| 10              | QPSK   | 1  | 0  | 23.81  | 24.15 | 24.04  | 25.2                |
| 10              | QPSK   | 1  | 25 | 24.03  | 24.06 | 23.96  |                     |
| 10              | QPSK   | 1  | 49 | 23.99  | 24.09 | 23.95  |                     |
| 10              | QPSK   | 25 | 0  | 22.91  | 23.10 | 22.98  | 24.2                |
| 10              | QPSK   | 25 | 12 | 22.98  | 23.10 | 23.12  |                     |
| 10              | QPSK   | 25 | 25 | 23.01  | 23.14 | 23.16  |                     |
| 10              | QPSK   | 50 | 0  | 23.02  | 23.10 | 23.16  |                     |
| 10              | 16QAM  | 1  | 0  | 22.93  | 23.12 | 23.16  | 24.2                |
| 10              | 16QAM  | 1  | 25 | 23.10  | 23.22 | 23.13  |                     |
| 10              | 16QAM  | 1  | 49 | 23.12  | 23.19 | 23.07  |                     |
| 10              | 16QAM  | 25 | 0  | 21.77  | 21.93 | 21.92  | 23.2                |
| 10              | 16QAM  | 25 | 12 | 21.86  | 21.88 | 21.91  |                     |
| 10              | 16QAM  | 25 | 25 | 21.94  | 21.89 | 21.93  |                     |
| 10              | 16QAM  | 50 | 0  | 21.87  | 21.88 | 21.89  |                     |
| 10              | 64QAM  | 1  | 0  | 22.11  | 21.95 | 22.17  | 23.2                |
| 10              | 64QAM  | 1  | 25 | 22.13  | 22.21 | 22.12  |                     |
| 10              | 64QAM  | 1  | 49 | 22.05  | 21.98 | 22.00  |                     |
| 10              | 64QAM  | 25 | 0  | 20.77  | 20.82 | 20.93  | 22.2                |
| 10              | 64QAM  | 25 | 12 | 20.88  | 20.88 | 20.99  |                     |
| 10              | 64QAM  | 25 | 25 | 20.92  | 20.97 | 20.87  |                     |
| 10              | 64QAM  | 50 | 0  | 20.84  | 20.84 | 20.90  |                     |
| 10              | 256QAM | 1  | 0  | 18.71  | 19.09 | 18.93  | 20.2                |
| 10              | 256QAM | 1  | 25 | 18.93  | 19.13 | 19.07  |                     |
| 10              | 256QAM | 1  | 49 | 18.91  | 19.09 | 19.22  |                     |
| 10              | 256QAM | 25 | 0  | 18.85  | 18.95 | 18.96  | 20.2                |
| 10              | 256QAM | 25 | 12 | 18.95  | 19.05 | 18.99  |                     |
| 10              | 256QAM | 25 | 25 | 18.89  | 19.07 | 18.96  |                     |
| 10              | 256QAM | 50 | 0  | 18.90  | 18.99 | 18.94  |                     |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.84  | 24.14 | 24.07  | 25.2                |
| 5               | QPSK   | 1  | 12 | 23.99  | 24.04 | 23.97  |                     |
| 5               | QPSK   | 1  | 24 | 24.00  | 24.11 | 23.98  |                     |
| 5               | QPSK   | 12 | 0  | 22.92  | 23.11 | 23.06  | 24.2                |
| 5               | QPSK   | 12 | 7  | 23.00  | 23.10 | 23.22  |                     |
| 5               | QPSK   | 12 | 13 | 22.99  | 23.10 | 23.11  |                     |
| 5               | QPSK   | 25 | 0  | 22.97  | 23.11 | 23.13  |                     |
| 5               | 16QAM  | 1  | 0  | 22.90  | 23.09 | 23.11  | 24.2                |
| 5               | 16QAM  | 1  | 12 | 23.02  | 23.20 | 23.14  |                     |
| 5               | 16QAM  | 1  | 24 | 23.20  | 23.14 | 23.06  |                     |
| 5               | 16QAM  | 12 | 0  | 21.72  | 21.85 | 21.89  | 23.2                |
| 5               | 16QAM  | 12 | 7  | 21.94  | 21.96 | 21.93  |                     |
| 5               | 16QAM  | 12 | 13 | 21.95  | 21.90 | 21.90  |                     |
| 5               | 16QAM  | 25 | 0  | 21.81  | 21.91 | 21.92  |                     |
| 5               | 64QAM  | 1  | 0  | 22.15  | 22.00 | 22.14  | 23.2                |
| 5               | 64QAM  | 1  | 12 | 22.06  | 22.26 | 22.08  |                     |
| 5               | 64QAM  | 1  | 24 | 22.09  | 22.08 | 21.98  |                     |
| 5               | 64QAM  | 12 | 0  | 20.86  | 20.87 | 20.85  | 22.2                |
| 5               | 64QAM  | 12 | 7  | 20.83  | 20.88 | 20.96  |                     |
| 5               | 64QAM  | 12 | 13 | 20.88  | 20.92 | 20.91  |                     |
| 5               | 64QAM  | 25 | 0  | 20.90  | 20.84 | 20.95  |                     |
| 5               | 256QAM | 1  | 0  | 18.81  | 19.04 | 18.98  | 20.2                |
| 5               | 256QAM | 1  | 12 | 18.90  | 19.07 | 19.00  |                     |
| 5               | 256QAM | 1  | 24 | 18.98  | 19.10 | 19.23  |                     |
| 5               | 256QAM | 12 | 0  | 18.82  | 18.85 | 18.98  | 20.2                |
| 5               | 256QAM | 12 | 7  | 18.93  | 18.98 | 18.89  |                     |
| 5               | 256QAM | 12 | 13 | 18.89  | 19.01 | 18.99  |                     |
| 5               | 256QAM | 25 | 0  | 18.90  | 18.95 | 18.99  |                     |
| Channel         |        |    |    | 18615  | 18900 | 19185  | Tune-up limit       |



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| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 | (dBm)               |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 3               | QPSK   | 1  | 0  | 23.82  | 24.09 | 24.03  | 25.2                |
| 3               | QPSK   | 1  | 8  | 23.98  | 24.04 | 23.97  |                     |
| 3               | QPSK   | 1  | 14 | 23.98  | 24.02 | 24.01  |                     |
| 3               | QPSK   | 8  | 0  | 22.96  | 23.08 | 23.07  | 24.2                |
| 3               | QPSK   | 8  | 4  | 22.98  | 23.14 | 23.21  |                     |
| 3               | QPSK   | 8  | 7  | 23.08  | 23.13 | 23.06  |                     |
| 3               | QPSK   | 15 | 0  | 23.02  | 23.04 | 23.12  | 24.2                |
| 3               | 16QAM  | 1  | 0  | 22.92  | 23.11 | 23.09  |                     |
| 3               | 16QAM  | 1  | 8  | 23.05  | 23.19 | 23.20  |                     |
| 3               | 16QAM  | 1  | 14 | 23.14  | 23.15 | 23.03  | 23.2                |
| 3               | 16QAM  | 8  | 0  | 21.72  | 21.90 | 21.85  |                     |
| 3               | 16QAM  | 8  | 4  | 21.92  | 21.88 | 21.88  |                     |
| 3               | 16QAM  | 8  | 7  | 21.91  | 21.91 | 21.90  | 23.2                |
| 3               | 16QAM  | 15 | 0  | 21.89  | 21.90 | 21.87  |                     |
| 3               | 64QAM  | 1  | 0  | 22.18  | 21.94 | 22.19  |                     |
| 3               | 64QAM  | 1  | 8  | 22.11  | 22.17 | 22.14  | 23.2                |
| 3               | 64QAM  | 1  | 14 | 22.09  | 21.99 | 21.93  |                     |
| 3               | 64QAM  | 8  | 0  | 20.80  | 20.88 | 20.88  |                     |
| 3               | 64QAM  | 8  | 4  | 20.84  | 20.89 | 20.98  | 22.2                |
| 3               | 64QAM  | 8  | 7  | 20.92  | 20.95 | 20.94  |                     |
| 3               | 64QAM  | 15 | 0  | 20.88  | 20.89 | 20.91  |                     |
| 3               | 256QAM | 1  | 0  | 18.71  | 19.01 | 18.90  | 20.2                |
| 3               | 256QAM | 1  | 8  | 18.90  | 19.14 | 19.07  |                     |
| 3               | 256QAM | 1  | 14 | 18.91  | 19.07 | 19.17  |                     |
| 3               | 256QAM | 8  | 0  | 18.84  | 18.89 | 18.88  | 20.2                |
| 3               | 256QAM | 8  | 4  | 18.85  | 18.99 | 18.96  |                     |
| 3               | 256QAM | 8  | 7  | 18.95  | 18.98 | 19.06  |                     |
| 3               | 256QAM | 15 | 0  | 18.82  | 18.98 | 18.93  | Tune-up limit (dBm) |
| Channel         |        |    |    | 18607  | 18900 | 19193  |                     |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 | 25.2                |
| 1.4             | QPSK   | 1  | 0  | 23.88  | 24.12 | 24.03  |                     |
| 1.4             | QPSK   | 1  | 3  | 24.00  | 24.03 | 23.98  |                     |
| 1.4             | QPSK   | 1  | 5  | 24.03  | 24.06 | 24.00  | 24.2                |
| 1.4             | QPSK   | 3  | 0  | 23.77  | 23.96 | 23.90  |                     |
| 1.4             | QPSK   | 3  | 1  | 23.88  | 23.86 | 23.88  |                     |
| 1.4             | QPSK   | 3  | 3  | 23.88  | 23.86 | 23.88  | 24.2                |
| 1.4             | QPSK   | 6  | 0  | 22.90  | 23.08 | 23.04  |                     |
| 1.4             | 16QAM  | 1  | 0  | 22.99  | 23.09 | 23.12  |                     |
| 1.4             | 16QAM  | 1  | 3  | 23.00  | 23.10 | 23.15  | 23.2                |
| 1.4             | 16QAM  | 1  | 5  | 22.98  | 23.12 | 23.12  |                     |
| 1.4             | 16QAM  | 3  | 0  | 23.08  | 23.26 | 23.35  |                     |
| 1.4             | 16QAM  | 3  | 1  | 23.29  | 23.27 | 23.33  | 23.2                |
| 1.4             | 16QAM  | 3  | 3  | 23.37  | 23.32 | 23.23  |                     |
| 1.4             | 16QAM  | 6  | 0  | 21.89  | 22.04 | 22.02  |                     |
| 1.4             | 64QAM  | 1  | 0  | 22.11  | 22.08 | 22.15  | 22.2                |
| 1.4             | 64QAM  | 1  | 3  | 22.05  | 22.15 | 22.15  |                     |
| 1.4             | 64QAM  | 1  | 5  | 22.02  | 22.03 | 22.17  |                     |
| 1.4             | 64QAM  | 3  | 0  | 22.33  | 22.15 | 22.38  | 20.2                |
| 1.4             | 64QAM  | 3  | 1  | 22.32  | 22.23 | 22.30  |                     |
| 1.4             | 64QAM  | 3  | 3  | 22.27  | 22.24 | 22.22  |                     |
| 1.4             | 64QAM  | 6  | 0  | 21.00  | 21.03 | 21.10  | 20.2                |
| 1.4             | 256QAM | 1  | 0  | 18.93  | 19.21 | 19.19  |                     |
| 1.4             | 256QAM | 1  | 3  | 19.15  | 19.31 | 19.27  |                     |
| 1.4             | 256QAM | 1  | 5  | 19.11  | 19.24 | 19.34  | 20.2                |
| 1.4             | 256QAM | 3  | 0  | 19.03  | 19.05 | 19.10  |                     |
| 1.4             | 256QAM | 3  | 1  | 19.14  | 19.18 | 19.16  |                     |
| 1.4             | 256QAM | 3  | 3  | 19.13  | 19.21 | 19.19  | 20.2                |
| 1.4             | 256QAM | 6  | 0  | 19.05  | 19.19 | 19.21  |                     |

**<LTE Band 2\_Ant 5\_DSI 2 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 18700                    | 18900                       | 19100                     |                        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      |                        |
| 20              | QPSK       | 1       | 0         | 23.92                    | 23.89                       | 23.97                     |                        |
| 20              | QPSK       | 1       | 49        | 23.85                    | 23.85                       | 23.75                     | 25.2                   |
| 20              | QPSK       | 1       | 99        | 23.86                    | 23.88                       | 23.88                     |                        |
| 20              | QPSK       | 50      | 0         | 22.96                    | 22.96                       | 22.87                     |                        |
| 20              | QPSK       | 50      | 24        | 23.08                    | 23.11                       | 23.02                     | 24.2                   |
| 20              | QPSK       | 50      | 50        | 22.99                    | 23.04                       | 22.95                     |                        |
| 20              | QPSK       | 100     | 0         | 23.04                    | 23.08                       | 23.01                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.71                    | 22.81                       | 22.81                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 22.79                    | 22.87                       | 22.85                     |                        |
| 20              | 16QAM      | 1       | 99        | 22.77                    | 22.78                       | 22.70                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.89                    | 21.99                       | 21.94                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 22.03                    | 22.12                       | 22.02                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.05                    | 22.11                       | 22.02                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.96                    | 22.04                       | 22.00                     | 23.2                   |
| 20              | 64QAM      | 1       | 0         | 22.41                    | 22.41                       | 22.33                     |                        |
| 20              | 64QAM      | 1       | 49        | 22.29                    | 22.35                       | 22.28                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.18                    | 22.26                       | 22.16                     | 22.2                   |
| 20              | 64QAM      | 50      | 0         | 20.91                    | 21.01                       | 20.96                     |                        |
| 20              | 64QAM      | 50      | 24        | 21.04                    | 21.04                       | 21.03                     |                        |
| 20              | 64QAM      | 50      | 50        | 21.01                    | 21.06                       | 20.96                     | 20.2                   |
| 20              | 64QAM      | 100     | 0         | 20.96                    | 21.04                       | 20.96                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.84                    | 18.93                       | 18.92                     |                        |
| 20              | 256QAM     | 1       | 49        | 18.94                    | 18.95                       | 18.85                     | 20.2                   |
| 20              | 256QAM     | 1       | 99        | 19.04                    | 19.06                       | 19.04                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.99                    | 19.08                       | 18.98                     |                        |
| 20              | 256QAM     | 50      | 24        | 19.11                    | 19.11                       | 19.09                     | 20.2                   |
| 20              | 256QAM     | 50      | 50        | 19.03                    | 19.09                       | 19.03                     |                        |
| 20              | 256QAM     | 100     | 0         | 19.04                    | 19.12                       | 19.10                     |                        |
| Channel         |            |         |           | 18675                    | 18900                       | 19125                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1902.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.81                    | 23.74                       | 23.79                     |                        |
| 15              | QPSK       | 1       | 37        | 23.69                    | 23.71                       | 23.62                     | 25.2                   |
| 15              | QPSK       | 1       | 74        | 23.75                    | 23.77                       | 23.69                     |                        |
| 15              | QPSK       | 36      | 0         | 22.85                    | 22.84                       | 22.77                     | 24.2                   |
| 15              | QPSK       | 36      | 20        | 22.93                    | 22.95                       | 22.84                     |                        |
| 15              | QPSK       | 36      | 39        | 22.85                    | 22.84                       | 22.75                     |                        |
| 15              | QPSK       | 75      | 0         | 22.91                    | 22.91                       | 22.85                     | 24.2                   |
| 15              | 16QAM      | 1       | 0         | 22.60                    | 22.69                       | 22.70                     |                        |
| 15              | 16QAM      | 1       | 37        | 22.61                    | 22.70                       | 22.73                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.60                    | 22.60                       | 22.51                     | 23.2                   |
| 15              | 16QAM      | 36      | 0         | 21.71                    | 21.86                       | 21.80                     |                        |
| 15              | 16QAM      | 36      | 20        | 21.85                    | 21.97                       | 21.87                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.90                    | 21.97                       | 21.90                     | 23.2                   |
| 15              | 16QAM      | 75      | 0         | 21.76                    | 21.94                       | 21.82                     |                        |
| 15              | 64QAM      | 1       | 0         | 22.30                    | 22.26                       | 22.15                     |                        |
| 15              | 64QAM      | 1       | 37        | 22.18                    | 22.18                       | 22.11                     | 22.2                   |
| 15              | 64QAM      | 1       | 74        | 21.99                    | 22.15                       | 21.96                     |                        |
| 15              | 64QAM      | 36      | 0         | 20.76                    | 20.83                       | 20.79                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.86                    | 20.91                       | 20.85                     | 20.2                   |
| 15              | 64QAM      | 36      | 39        | 20.84                    | 20.92                       | 20.83                     |                        |
| 15              | 64QAM      | 75      | 0         | 20.84                    | 20.86                       | 20.84                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.70                    | 18.74                       | 18.75                     | 20.2                   |
| 15              | 256QAM     | 1       | 37        | 18.74                    | 18.81                       | 18.68                     |                        |
| 15              | 256QAM     | 1       | 74        | 18.84                    | 18.94                       | 18.90                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.87                    | 18.93                       | 18.85                     | 20.2                   |
| 15              | 256QAM     | 36      | 20        | 18.91                    | 18.96                       | 18.92                     |                        |



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|                 |        |    |    |        |       |        |                     |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 18.83  | 18.93 | 18.87  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 18.86  | 18.97 | 18.90  |                     |
| Channel         |        |    |    | 18650  | 18900 | 19150  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1855   | 1880  | 1905   |                     |
| 10              | QPSK   | 1  | 0  | 23.79  | 23.75 | 23.81  | 25.2                |
| 10              | QPSK   | 1  | 25 | 23.70  | 23.73 | 23.58  |                     |
| 10              | QPSK   | 1  | 49 | 23.68  | 23.77 | 23.68  |                     |
| 10              | QPSK   | 25 | 0  | 22.78  | 22.79 | 22.73  | 24.2                |
| 10              | QPSK   | 25 | 12 | 22.93  | 22.92 | 22.85  |                     |
| 10              | QPSK   | 25 | 25 | 22.80  | 22.94 | 22.78  |                     |
| 10              | QPSK   | 50 | 0  | 22.93  | 22.94 | 22.83  |                     |
| 10              | 16QAM  | 1  | 0  | 22.55  | 22.66 | 22.61  | 24.2                |
| 10              | 16QAM  | 1  | 25 | 22.69  | 22.68 | 22.74  |                     |
| 10              | 16QAM  | 1  | 49 | 22.58  | 22.64 | 22.60  |                     |
| 10              | 16QAM  | 25 | 0  | 21.75  | 21.82 | 21.84  | 23.2                |
| 10              | 16QAM  | 25 | 12 | 21.91  | 21.96 | 21.86  |                     |
| 10              | 16QAM  | 25 | 25 | 21.87  | 21.92 | 21.89  |                     |
| 10              | 16QAM  | 50 | 0  | 21.83  | 21.92 | 21.85  |                     |
| 10              | 64QAM  | 1  | 0  | 22.23  | 22.24 | 22.20  | 23.2                |
| 10              | 64QAM  | 1  | 25 | 22.12  | 22.21 | 22.09  |                     |
| 10              | 64QAM  | 1  | 49 | 22.03  | 22.16 | 21.96  |                     |
| 10              | 64QAM  | 25 | 0  | 20.71  | 20.83 | 20.76  | 22.2                |
| 10              | 64QAM  | 25 | 12 | 20.87  | 20.91 | 20.88  |                     |
| 10              | 64QAM  | 25 | 25 | 20.83  | 20.87 | 20.83  |                     |
| 10              | 64QAM  | 50 | 0  | 20.85  | 20.92 | 20.78  |                     |
| 10              | 256QAM | 1  | 0  | 18.64  | 18.73 | 18.76  | 20.2                |
| 10              | 256QAM | 1  | 25 | 18.74  | 18.82 | 18.67  |                     |
| 10              | 256QAM | 1  | 49 | 18.89  | 18.87 | 18.91  |                     |
| 10              | 256QAM | 25 | 0  | 18.87  | 18.92 | 18.85  | 20.2                |
| 10              | 256QAM | 25 | 12 | 18.96  | 19.01 | 18.96  |                     |
| 10              | 256QAM | 25 | 25 | 18.87  | 18.98 | 18.83  |                     |
| 10              | 256QAM | 50 | 0  | 18.94  | 18.99 | 18.98  |                     |
| Channel         |        |    |    | 18625  | 18900 | 19175  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.79  | 23.70 | 23.78  | 25.2                |
| 5               | QPSK   | 1  | 12 | 23.65  | 23.69 | 23.65  |                     |
| 5               | QPSK   | 1  | 24 | 23.71  | 23.72 | 23.78  |                     |
| 5               | QPSK   | 12 | 0  | 22.77  | 22.77 | 22.71  | 24.2                |
| 5               | QPSK   | 12 | 7  | 22.98  | 22.95 | 22.90  |                     |
| 5               | QPSK   | 12 | 13 | 22.79  | 22.87 | 22.81  |                     |
| 5               | QPSK   | 25 | 0  | 22.86  | 22.94 | 22.85  |                     |
| 5               | 16QAM  | 1  | 0  | 22.56  | 22.68 | 22.70  | 24.2                |
| 5               | 16QAM  | 1  | 12 | 22.69  | 22.69 | 22.66  |                     |
| 5               | 16QAM  | 1  | 24 | 22.60  | 22.59 | 22.51  |                     |
| 5               | 16QAM  | 12 | 0  | 21.76  | 21.82 | 21.77  | 23.2                |
| 5               | 16QAM  | 12 | 7  | 21.86  | 22.00 | 21.85  |                     |
| 5               | 16QAM  | 12 | 13 | 21.87  | 21.98 | 21.84  |                     |
| 5               | 16QAM  | 25 | 0  | 21.83  | 21.94 | 21.89  |                     |
| 5               | 64QAM  | 1  | 0  | 22.31  | 22.23 | 22.21  | 23.2                |
| 5               | 64QAM  | 1  | 12 | 22.10  | 22.16 | 22.14  |                     |
| 5               | 64QAM  | 1  | 24 | 21.98  | 22.08 | 22.02  |                     |
| 5               | 64QAM  | 12 | 0  | 20.75  | 20.91 | 20.81  | 22.2                |
| 5               | 64QAM  | 12 | 7  | 20.93  | 20.84 | 20.87  |                     |
| 5               | 64QAM  | 12 | 13 | 20.91  | 20.92 | 20.77  |                     |
| 5               | 64QAM  | 25 | 0  | 20.78  | 20.84 | 20.83  |                     |
| 5               | 256QAM | 1  | 0  | 18.74  | 18.81 | 18.75  | 20.2                |
| 5               | 256QAM | 1  | 12 | 18.81  | 18.81 | 18.67  |                     |
| 5               | 256QAM | 1  | 24 | 18.92  | 18.94 | 18.89  |                     |
| 5               | 256QAM | 12 | 0  | 18.80  | 18.88 | 18.80  | 20.2                |
| 5               | 256QAM | 12 | 7  | 18.95  | 18.93 | 18.92  |                     |
| 5               | 256QAM | 12 | 13 | 18.91  | 18.89 | 18.85  |                     |
| 5               | 256QAM | 25 | 0  | 18.93  | 18.99 | 18.96  |                     |
| Channel         |        |    |    | 18615  | 18900 | 19185  | Tune-up limit       |



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| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 | (dBm)               |
|-----------------|--------|----|----|--------|-------|--------|---------------------|
| 3               | QPSK   | 1  | 0  | 23.76  | 23.74 | 23.85  | 25.2                |
| 3               | QPSK   | 1  | 8  | 23.70  | 23.73 | 23.61  |                     |
| 3               | QPSK   | 1  | 14 | 23.66  | 23.72 | 23.76  |                     |
| 3               | QPSK   | 8  | 0  | 22.81  | 22.79 | 22.76  | 24.2                |
| 3               | QPSK   | 8  | 4  | 22.92  | 22.94 | 22.90  |                     |
| 3               | QPSK   | 8  | 7  | 22.86  | 22.89 | 22.84  |                     |
| 3               | QPSK   | 15 | 0  | 22.89  | 22.90 | 22.83  | 24.2                |
| 3               | 16QAM  | 1  | 0  | 22.56  | 22.63 | 22.69  |                     |
| 3               | 16QAM  | 1  | 8  | 22.67  | 22.67 | 22.67  |                     |
| 3               | 16QAM  | 1  | 14 | 22.63  | 22.61 | 22.56  | 23.2                |
| 3               | 16QAM  | 8  | 0  | 21.75  | 21.82 | 21.82  |                     |
| 3               | 16QAM  | 8  | 4  | 21.88  | 21.96 | 21.86  |                     |
| 3               | 16QAM  | 8  | 7  | 21.90  | 21.99 | 21.90  | 23.2                |
| 3               | 16QAM  | 15 | 0  | 21.83  | 21.88 | 21.80  |                     |
| 3               | 64QAM  | 1  | 0  | 22.28  | 22.23 | 22.22  |                     |
| 3               | 64QAM  | 1  | 8  | 22.11  | 22.20 | 22.09  | 22.2                |
| 3               | 64QAM  | 1  | 14 | 22.00  | 22.11 | 21.96  |                     |
| 3               | 64QAM  | 8  | 0  | 20.72  | 20.81 | 20.81  |                     |
| 3               | 64QAM  | 8  | 4  | 20.84  | 20.92 | 20.86  | 20.2                |
| 3               | 64QAM  | 8  | 7  | 20.81  | 20.88 | 20.86  |                     |
| 3               | 64QAM  | 15 | 0  | 20.76  | 20.94 | 20.82  |                     |
| 3               | 256QAM | 1  | 0  | 18.71  | 18.73 | 18.75  | 20.2                |
| 3               | 256QAM | 1  | 8  | 18.83  | 18.82 | 18.70  |                     |
| 3               | 256QAM | 1  | 14 | 18.92  | 18.96 | 18.92  |                     |
| 3               | 256QAM | 8  | 0  | 18.80  | 18.93 | 18.88  | 20.2                |
| 3               | 256QAM | 8  | 4  | 18.93  | 18.92 | 18.99  |                     |
| 3               | 256QAM | 8  | 7  | 18.84  | 18.96 | 18.92  |                     |
| 3               | 256QAM | 15 | 0  | 18.93  | 19.01 | 18.94  |                     |
| Channel         |        |    |    | 18607  | 18900 | 19193  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 |                     |
| 1.4             | QPSK   | 1  | 0  | 23.76  | 23.79 | 23.77  | 25.2                |
| 1.4             | QPSK   | 1  | 3  | 23.67  | 23.71 | 23.65  |                     |
| 1.4             | QPSK   | 1  | 5  | 23.69  | 23.78 | 23.74  |                     |
| 1.4             | QPSK   | 3  | 0  | 23.56  | 23.63 | 23.62  | 24.2                |
| 1.4             | QPSK   | 3  | 1  | 23.48  | 23.59 | 23.51  |                     |
| 1.4             | QPSK   | 3  | 3  | 23.59  | 23.66 | 23.64  |                     |
| 1.4             | QPSK   | 6  | 0  | 22.86  | 22.83 | 22.73  | 24.2                |
| 1.4             | 16QAM  | 1  | 0  | 22.88  | 23.00 | 22.86  |                     |
| 1.4             | 16QAM  | 1  | 3  | 22.84  | 22.90 | 22.77  |                     |
| 1.4             | 16QAM  | 1  | 5  | 22.90  | 22.91 | 22.87  | 23.2                |
| 1.4             | 16QAM  | 3  | 0  | 22.58  | 22.61 | 22.61  |                     |
| 1.4             | 16QAM  | 3  | 1  | 22.65  | 22.73 | 22.69  |                     |
| 1.4             | 16QAM  | 3  | 3  | 22.64  | 22.59 | 22.59  | 23.2                |
| 1.4             | 16QAM  | 6  | 0  | 21.75  | 21.88 | 21.78  |                     |
| 1.4             | 64QAM  | 1  | 0  | 21.91  | 21.94 | 21.87  |                     |
| 1.4             | 64QAM  | 1  | 3  | 21.92  | 21.94 | 21.92  | 22.2                |
| 1.4             | 64QAM  | 1  | 5  | 21.84  | 21.89 | 21.90  |                     |
| 1.4             | 64QAM  | 3  | 0  | 22.29  | 22.22 | 22.13  |                     |
| 1.4             | 64QAM  | 3  | 1  | 22.16  | 22.21 | 22.18  | 20.2                |
| 1.4             | 64QAM  | 3  | 3  | 22.03  | 22.12 | 22.06  |                     |
| 1.4             | 64QAM  | 6  | 0  | 20.77  | 20.84 | 20.79  |                     |
| 1.4             | 256QAM | 1  | 0  | 18.66  | 18.77 | 18.80  | 20.2                |
| 1.4             | 256QAM | 1  | 3  | 18.81  | 18.85 | 18.73  |                     |
| 1.4             | 256QAM | 1  | 5  | 18.93  | 18.87 | 18.92  |                     |
| 1.4             | 256QAM | 3  | 0  | 18.81  | 18.92 | 18.88  | 20.2                |
| 1.4             | 256QAM | 3  | 1  | 18.97  | 18.96 | 18.94  |                     |
| 1.4             | 256QAM | 3  | 3  | 18.91  | 18.90 | 18.83  |                     |
| 1.4             | 256QAM | 6  | 0  | 18.89  | 18.95 | 18.99  |                     |

**<LTE Band 4\_Ant 1\_DSI 2 (Wlan Off)>**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 20050                    | 20175                       | 20300                     |                        |
| Frequency (MHz) |            |         |           | 1720                     | 1732.5                      | 1745                      |                        |
| 20              | QPSK       | 1       | 0         | 23.90                    | 23.88                       | 24.17                     |                        |
| 20              | QPSK       | 1       | 49        | 23.80                    | 23.92                       | 24.03                     | 25.2                   |
| 20              | QPSK       | 1       | 99        | 23.95                    | 24.06                       | 24.14                     |                        |
| 20              | QPSK       | 50      | 0         | 22.81                    | 22.99                       | 23.05                     |                        |
| 20              | QPSK       | 50      | 24        | 22.96                    | 23.01                       | 23.05                     | 24.2                   |
| 20              | QPSK       | 50      | 50        | 22.91                    | 23.05                       | 23.16                     |                        |
| 20              | QPSK       | 100     | 0         | 22.91                    | 23.03                       | 23.17                     |                        |
| 20              | 16QAM      | 1       | 0         | 23.01                    | 23.19                       | 23.31                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 23.17                    | 23.35                       | 23.38                     |                        |
| 20              | 16QAM      | 1       | 99        | 23.16                    | 23.39                       | 23.51                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.88                    | 22.01                       | 22.04                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 21.95                    | 22.01                       | 22.10                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.01                    | 22.09                       | 22.17                     |                        |
| 20              | 16QAM      | 100     | 0         | 21.91                    | 22.01                       | 22.13                     | 23.2                   |
| 20              | 64QAM      | 1       | 0         | 22.01                    | 22.17                       | 22.19                     |                        |
| 20              | 64QAM      | 1       | 49        | 22.07                    | 22.25                       | 22.21                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.15                    | 22.25                       | 22.38                     | 22.2                   |
| 20              | 64QAM      | 50      | 0         | 20.87                    | 21.00                       | 21.07                     |                        |
| 20              | 64QAM      | 50      | 24        | 20.96                    | 21.60                       | 21.09                     |                        |
| 20              | 64QAM      | 50      | 50        | 20.94                    | 21.10                       | 21.16                     | 20.2                   |
| 20              | 64QAM      | 100     | 0         | 20.97                    | 21.02                       | 21.14                     |                        |
| 20              | 256QAM     | 1       | 0         | 18.86                    | 18.95                       | 19.09                     |                        |
| 20              | 256QAM     | 1       | 49        | 18.95                    | 19.07                       | 19.11                     | 20.2                   |
| 20              | 256QAM     | 1       | 99        | 19.11                    | 19.20                       | 19.28                     |                        |
| 20              | 256QAM     | 50      | 0         | 18.85                    | 18.99                       | 19.02                     |                        |
| 20              | 256QAM     | 50      | 24        | 18.97                    | 18.99                       | 19.11                     | 20.2                   |
| 20              | 256QAM     | 50      | 50        | 19.01                    | 19.10                       | 19.15                     |                        |
| 20              | 256QAM     | 100     | 0         | 18.89                    | 19.02                       | 19.15                     |                        |
| Channel         |            |         |           | 20025                    | 20175                       | 20325                     | Tune-up limit<br>(dBm) |
| Frequency (MHz) |            |         |           | 1717.5                   | 1732.5                      | 1747.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.75                    | 23.68                       | 24.03                     |                        |
| 15              | QPSK       | 1       | 37        | 23.60                    | 23.78                       | 23.89                     | 25.2                   |
| 15              | QPSK       | 1       | 74        | 23.84                    | 23.92                       | 23.99                     |                        |
| 15              | QPSK       | 36      | 0         | 22.71                    | 22.80                       | 22.90                     |                        |
| 15              | QPSK       | 36      | 20        | 22.79                    | 22.83                       | 22.85                     | 24.2                   |
| 15              | QPSK       | 36      | 39        | 22.71                    | 22.87                       | 23.04                     |                        |
| 15              | QPSK       | 75      | 0         | 22.77                    | 22.85                       | 22.97                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.89                    | 23.01                       | 23.18                     | 24.2                   |
| 15              | 16QAM      | 1       | 37        | 23.04                    | 23.16                       | 23.19                     |                        |
| 15              | 16QAM      | 1       | 74        | 23.01                    | 23.22                       | 23.35                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.75                    | 21.91                       | 21.92                     | 23.2                   |
| 15              | 16QAM      | 36      | 20        | 21.85                    | 21.84                       | 21.95                     |                        |
| 15              | 16QAM      | 36      | 39        | 21.89                    | 21.96                       | 22.00                     |                        |
| 15              | 16QAM      | 75      | 0         | 21.71                    | 21.82                       | 22.01                     | 23.2                   |
| 15              | 64QAM      | 1       | 0         | 21.89                    | 22.05                       | 22.07                     |                        |
| 15              | 64QAM      | 1       | 37        | 21.89                    | 22.11                       | 22.01                     |                        |
| 15              | 64QAM      | 1       | 74        | 22.03                    | 22.12                       | 22.20                     | 22.2                   |
| 15              | 64QAM      | 36      | 0         | 20.72                    | 20.89                       | 20.92                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.84                    | 21.02                       | 20.93                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.83                    | 20.98                       | 20.97                     | 20.2                   |
| 15              | 64QAM      | 75      | 0         | 20.80                    | 20.83                       | 21.00                     |                        |
| 15              | 256QAM     | 1       | 0         | 18.75                    | 18.81                       | 18.99                     |                        |
| 15              | 256QAM     | 1       | 37        | 18.78                    | 18.97                       | 19.01                     | 20.2                   |
| 15              | 256QAM     | 1       | 74        | 18.91                    | 19.01                       | 19.17                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.75                    | 18.83                       | 18.82                     |                        |
| 15              | 256QAM     | 36      | 20        | 18.85                    | 18.84                       | 18.97                     | 20.2                   |



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|                 |        |    |    |        |        |        |                     |
|-----------------|--------|----|----|--------|--------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 18.89  | 18.97  | 18.98  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 18.71  | 18.82  | 18.96  |                     |
| Channel         |        |    |    | 20000  | 20175  | 20350  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1715   | 1732.5 | 1750   |                     |
| 10              | QPSK   | 1  | 0  | 23.75  | 23.73  | 24.07  | 25.2                |
| 10              | QPSK   | 1  | 25 | 23.61  | 23.75  | 23.88  |                     |
| 10              | QPSK   | 1  | 49 | 23.82  | 23.93  | 23.97  |                     |
| 10              | QPSK   | 25 | 0  | 22.63  | 22.81  | 22.89  | 24.2                |
| 10              | QPSK   | 25 | 12 | 22.80  | 22.86  | 22.94  |                     |
| 10              | QPSK   | 25 | 25 | 22.77  | 22.87  | 22.98  |                     |
| 10              | QPSK   | 50 | 0  | 22.79  | 22.91  | 22.98  |                     |
| 10              | 16QAM  | 1  | 0  | 22.87  | 22.99  | 23.19  | 24.2                |
| 10              | 16QAM  | 1  | 25 | 23.03  | 23.21  | 23.25  |                     |
| 10              | 16QAM  | 1  | 49 | 22.98  | 23.24  | 23.38  |                     |
| 10              | 16QAM  | 25 | 0  | 21.77  | 21.86  | 21.87  | 23.2                |
| 10              | 16QAM  | 25 | 12 | 21.76  | 21.81  | 21.96  |                     |
| 10              | 16QAM  | 25 | 25 | 21.82  | 21.98  | 22.02  |                     |
| 10              | 16QAM  | 50 | 0  | 21.72  | 21.84  | 21.97  |                     |
| 10              | 64QAM  | 1  | 0  | 21.83  | 21.98  | 22.02  | 23.2                |
| 10              | 64QAM  | 1  | 25 | 21.88  | 22.08  | 22.09  |                     |
| 10              | 64QAM  | 1  | 49 | 21.99  | 22.06  | 22.21  |                     |
| 10              | 64QAM  | 25 | 0  | 20.72  | 20.85  | 20.90  | 22.2                |
| 10              | 64QAM  | 25 | 12 | 20.85  | 21.48  | 20.99  |                     |
| 10              | 64QAM  | 25 | 25 | 20.78  | 20.92  | 21.04  |                     |
| 10              | 64QAM  | 50 | 0  | 20.79  | 20.87  | 21.00  |                     |
| 10              | 256QAM | 1  | 0  | 18.75  | 18.76  | 18.94  | 20.2                |
| 10              | 256QAM | 1  | 25 | 18.76  | 18.90  | 18.91  |                     |
| 10              | 256QAM | 1  | 49 | 18.99  | 19.02  | 19.10  |                     |
| 10              | 256QAM | 25 | 0  | 18.65  | 18.87  | 18.85  | 20.2                |
| 10              | 256QAM | 25 | 12 | 18.81  | 18.86  | 19.01  |                     |
| 10              | 256QAM | 25 | 25 | 18.83  | 18.91  | 19.03  |                     |
| 10              | 256QAM | 50 | 0  | 18.73  | 18.86  | 18.97  |                     |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.71  | 23.77  | 24.04  | 25.2                |
| 5               | QPSK   | 1  | 12 | 23.63  | 23.79  | 23.91  |                     |
| 5               | QPSK   | 1  | 24 | 23.78  | 23.91  | 23.95  |                     |
| 5               | QPSK   | 12 | 0  | 22.68  | 22.89  | 22.89  | 24.2                |
| 5               | QPSK   | 12 | 7  | 22.76  | 22.86  | 22.90  |                     |
| 5               | QPSK   | 12 | 13 | 22.72  | 22.89  | 22.96  |                     |
| 5               | QPSK   | 25 | 0  | 22.73  | 22.88  | 23.03  |                     |
| 5               | 16QAM  | 1  | 0  | 22.82  | 23.05  | 23.13  | 24.2                |
| 5               | 16QAM  | 1  | 12 | 23.00  | 23.24  | 23.28  |                     |
| 5               | 16QAM  | 1  | 24 | 23.03  | 23.29  | 23.40  |                     |
| 5               | 16QAM  | 12 | 0  | 21.73  | 21.86  | 21.94  | 23.2                |
| 5               | 16QAM  | 12 | 7  | 21.84  | 21.88  | 21.90  |                     |
| 5               | 16QAM  | 12 | 13 | 21.90  | 21.90  | 21.97  |                     |
| 5               | 16QAM  | 25 | 0  | 21.71  | 21.84  | 21.96  |                     |
| 5               | 64QAM  | 1  | 0  | 21.86  | 22.01  | 22.03  | 23.2                |
| 5               | 64QAM  | 1  | 12 | 21.94  | 22.11  | 22.03  |                     |
| 5               | 64QAM  | 1  | 24 | 22.03  | 22.08  | 22.20  |                     |
| 5               | 64QAM  | 12 | 0  | 20.67  | 20.82  | 20.88  | 22.2                |
| 5               | 64QAM  | 12 | 7  | 20.78  | 21.25  | 20.98  |                     |
| 5               | 64QAM  | 12 | 13 | 20.82  | 21.00  | 21.06  |                     |
| 5               | 64QAM  | 25 | 0  | 20.87  | 20.86  | 21.02  |                     |
| 5               | 256QAM | 1  | 0  | 18.69  | 18.80  | 18.94  | 20.2                |
| 5               | 256QAM | 1  | 12 | 18.78  | 18.94  | 18.95  |                     |
| 5               | 256QAM | 1  | 24 | 18.92  | 19.03  | 19.12  |                     |
| 5               | 256QAM | 12 | 0  | 18.65  | 18.79  | 18.84  | 20.2                |
| 5               | 256QAM | 12 | 7  | 18.78  | 18.82  | 18.96  |                     |
| 5               | 256QAM | 12 | 13 | 18.90  | 18.97  | 18.98  |                     |
| 5               | 256QAM | 25 | 0  | 18.78  | 18.82  | 18.95  |                     |
| Channel         |        |    |    | 19965  | 20175  | 20385  | Tune-up limit       |



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| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 | (dBm)               |
|-----------------|--------|----|----|--------|--------|--------|---------------------|
| 3               | QPSK   | 1  | 0  | 23.71  | 23.68  | 24.04  | 25.2                |
| 3               | QPSK   | 1  | 8  | 23.61  | 23.73  | 23.92  |                     |
| 3               | QPSK   | 1  | 14 | 23.82  | 23.95  | 23.94  |                     |
| 3               | QPSK   | 8  | 0  | 22.69  | 22.88  | 22.92  | 24.2                |
| 3               | QPSK   | 8  | 4  | 22.77  | 22.86  | 22.91  |                     |
| 3               | QPSK   | 8  | 7  | 22.81  | 22.85  | 22.96  |                     |
| 3               | QPSK   | 15 | 0  | 22.74  | 22.89  | 22.97  | 24.2                |
| 3               | 16QAM  | 1  | 0  | 22.83  | 22.99  | 23.16  |                     |
| 3               | 16QAM  | 1  | 8  | 23.04  | 23.16  | 23.27  |                     |
| 3               | 16QAM  | 1  | 14 | 23.04  | 23.29  | 23.32  | 23.2                |
| 3               | 16QAM  | 8  | 0  | 21.68  | 21.91  | 21.85  |                     |
| 3               | 16QAM  | 8  | 4  | 21.79  | 21.87  | 21.93  |                     |
| 3               | 16QAM  | 8  | 7  | 21.83  | 21.96  | 22.07  | 23.2                |
| 3               | 16QAM  | 15 | 0  | 21.77  | 21.85  | 21.98  |                     |
| 3               | 64QAM  | 1  | 0  | 21.84  | 22.05  | 22.04  |                     |
| 3               | 64QAM  | 1  | 8  | 21.92  | 22.14  | 22.06  | 23.2                |
| 3               | 64QAM  | 1  | 14 | 21.96  | 22.08  | 22.28  |                     |
| 3               | 64QAM  | 8  | 0  | 20.73  | 20.88  | 20.95  |                     |
| 3               | 64QAM  | 8  | 4  | 20.81  | 21.13  | 20.94  | 22.2                |
| 3               | 64QAM  | 8  | 7  | 20.82  | 21.00  | 21.01  |                     |
| 3               | 64QAM  | 15 | 0  | 20.84  | 20.82  | 20.95  |                     |
| 3               | 256QAM | 1  | 0  | 18.73  | 18.82  | 18.93  | 20.2                |
| 3               | 256QAM | 1  | 8  | 18.76  | 18.94  | 18.98  |                     |
| 3               | 256QAM | 1  | 14 | 18.99  | 19.04  | 19.08  |                     |
| 3               | 256QAM | 8  | 0  | 18.73  | 18.80  | 18.84  | 20.2                |
| 3               | 256QAM | 8  | 4  | 18.82  | 18.80  | 19.00  |                     |
| 3               | 256QAM | 8  | 7  | 18.84  | 18.92  | 19.02  |                     |
| 3               | 256QAM | 15 | 0  | 18.79  | 18.84  | 19.02  | Tune-up limit (dBm) |
| Channel         |        |    |    | 19957  | 20175  | 20393  |                     |
| Frequency (MHz) |        |    |    | 1710.7 | 1732.5 | 1754.3 | 25.2                |
| 1.4             | QPSK   | 1  | 0  | 23.72  | 23.73  | 24.05  |                     |
| 1.4             | QPSK   | 1  | 3  | 23.61  | 23.77  | 23.92  |                     |
| 1.4             | QPSK   | 1  | 5  | 23.77  | 23.94  | 23.94  | 24.2                |
| 1.4             | QPSK   | 3  | 0  | 23.52  | 23.54  | 23.87  |                     |
| 1.4             | QPSK   | 3  | 1  | 23.51  | 23.62  | 23.72  |                     |
| 1.4             | QPSK   | 3  | 3  | 23.57  | 23.76  | 23.75  | 24.2                |
| 1.4             | QPSK   | 6  | 0  | 22.68  | 22.82  | 22.94  |                     |
| 1.4             | 16QAM  | 1  | 0  | 22.79  | 22.82  | 22.92  |                     |
| 1.4             | 16QAM  | 1  | 3  | 22.72  | 22.91  | 23.02  | 23.2                |
| 1.4             | 16QAM  | 1  | 5  | 22.79  | 22.90  | 23.07  |                     |
| 1.4             | 16QAM  | 3  | 0  | 22.86  | 23.09  | 23.14  |                     |
| 1.4             | 16QAM  | 3  | 1  | 22.97  | 23.16  | 23.19  | 23.2                |
| 1.4             | 16QAM  | 3  | 3  | 22.98  | 23.19  | 23.40  |                     |
| 1.4             | 16QAM  | 6  | 0  | 21.69  | 21.91  | 21.89  |                     |
| 1.4             | 64QAM  | 1  | 0  | 21.81  | 21.88  | 21.99  | 22.2                |
| 1.4             | 64QAM  | 1  | 3  | 21.87  | 21.95  | 22.06  |                     |
| 1.4             | 64QAM  | 1  | 5  | 21.78  | 21.86  | 21.96  |                     |
| 1.4             | 64QAM  | 3  | 0  | 21.82  | 22.06  | 22.09  | 20.2                |
| 1.4             | 64QAM  | 3  | 1  | 21.93  | 22.07  | 22.10  |                     |
| 1.4             | 64QAM  | 3  | 3  | 21.95  | 22.05  | 22.25  |                     |
| 1.4             | 64QAM  | 6  | 0  | 20.70  | 20.90  | 20.95  | 20.2                |
| 1.4             | 256QAM | 1  | 0  | 18.66  | 18.81  | 18.98  |                     |
| 1.4             | 256QAM | 1  | 3  | 18.78  | 18.95  | 18.99  |                     |
| 1.4             | 256QAM | 1  | 5  | 18.94  | 19.08  | 19.13  | 20.2                |
| 1.4             | 256QAM | 3  | 0  | 18.66  | 18.83  | 18.92  |                     |
| 1.4             | 256QAM | 3  | 1  | 18.82  | 18.84  | 18.94  |                     |
| 1.4             | 256QAM | 3  | 3  | 18.84  | 18.94  | 19.00  | 20.2                |
| 1.4             | 256QAM | 6  | 0  | 18.69  | 18.92  | 19.02  |                     |



### <LTE Band 4\_Ant 5\_DSI 2 (Wlan Off)>

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | Tune-up limit<br>(dBm) |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|------------------------|
| Channel         |            |         |           | 20050                    | 20175                       | 20300                     |                        |
| Frequency (MHz) |            |         |           | 1720                     | 1732.5                      | 1745                      |                        |
| 20              | QPSK       | 1       | 0         | 23.88                    | 24.23                       | 24.21                     |                        |
| 20              | QPSK       | 1       | 49        | 24.10                    | 24.10                       | 24.04                     | 25.2                   |
| 20              | QPSK       | 1       | 99        | 24.17                    | 24.20                       | 24.18                     |                        |
| 20              | QPSK       | 50      | 0         | 23.00                    | 23.07                       | 23.07                     |                        |
| 20              | QPSK       | 50      | 24        | 23.11                    | 23.11                       | 23.06                     | 24.2                   |
| 20              | QPSK       | 50      | 50        | 23.13                    | 23.14                       | 23.11                     |                        |
| 20              | QPSK       | 100     | 0         | 23.15                    | 23.17                       | 23.10                     |                        |
| 20              | 16QAM      | 1       | 0         | 22.95                    | 23.03                       | 23.01                     | 24.2                   |
| 20              | 16QAM      | 1       | 49        | 23.13                    | 23.13                       | 23.11                     |                        |
| 20              | 16QAM      | 1       | 99        | 23.09                    | 23.18                       | 23.16                     |                        |
| 20              | 16QAM      | 50      | 0         | 21.99                    | 22.08                       | 22.01                     | 23.2                   |
| 20              | 16QAM      | 50      | 24        | 22.00                    | 22.09                       | 22.00                     |                        |
| 20              | 16QAM      | 50      | 50        | 22.17                    | 22.20                       | 22.17                     |                        |
| 20              | 16QAM      | 100     | 0         | 22.14                    | 22.18                       | 22.08                     | 23.2                   |
| 20              | 64QAM      | 1       | 0         | 22.56                    | 22.61                       | 22.59                     |                        |
| 20              | 64QAM      | 1       | 49        | 22.64                    | 22.68                       | 22.61                     |                        |
| 20              | 64QAM      | 1       | 99        | 22.73                    | 22.83                       | 22.83                     | 22.2                   |
| 20              | 64QAM      | 50      | 0         | 21.01                    | 21.07                       | 21.03                     |                        |
| 20              | 64QAM      | 50      | 24        | 21.01                    | 21.11                       | 21.11                     |                        |
| 20              | 64QAM      | 50      | 50        | 21.11                    | 21.21                       | 21.17                     | 20.2                   |
| 20              | 64QAM      | 100     | 0         | 21.08                    | 21.16                       | 21.08                     |                        |
| 20              | 256QAM     | 1       | 0         | 19.15                    | 19.21                       | 19.11                     |                        |
| 20              | 256QAM     | 1       | 49        | 19.29                    | 19.33                       | 19.25                     | 20.2                   |
| 20              | 256QAM     | 1       | 99        | 19.46                    | 19.51                       | 19.43                     |                        |
| 20              | 256QAM     | 50      | 0         | 19.15                    | 19.16                       | 19.12                     |                        |
| 20              | 256QAM     | 50      | 24        | 19.17                    | 19.26                       | 19.18                     | 20.2                   |
| 20              | 256QAM     | 50      | 50        | 19.34                    | 19.38                       | 19.38                     |                        |
| 20              | 256QAM     | 100     | 0         | 19.14                    | 19.19                       | 19.14                     |                        |
| Channel         |            |         |           | 20025                    | 20175                       | 20325                     |                        |
| Frequency (MHz) |            |         |           | 1717.5                   | 1732.5                      | 1747.5                    |                        |
| 15              | QPSK       | 1       | 0         | 23.68                    | 24.13                       | 24.08                     |                        |
| 15              | QPSK       | 1       | 37        | 24.00                    | 23.91                       | 23.90                     | 25.2                   |
| 15              | QPSK       | 1       | 74        | 23.98                    | 24.01                       | 23.98                     |                        |
| 15              | QPSK       | 36      | 0         | 22.83                    | 22.87                       | 22.92                     |                        |
| 15              | QPSK       | 36      | 20        | 22.96                    | 22.98                       | 22.93                     | 24.2                   |
| 15              | QPSK       | 36      | 39        | 22.96                    | 22.98                       | 22.93                     |                        |
| 15              | QPSK       | 75      | 0         | 23.01                    | 23.06                       | 22.97                     |                        |
| 15              | 16QAM      | 1       | 0         | 22.80                    | 22.86                       | 22.81                     | 24.2                   |
| 15              | 16QAM      | 1       | 37        | 22.97                    | 22.94                       | 22.94                     |                        |
| 15              | 16QAM      | 1       | 74        | 22.93                    | 23.01                       | 23.00                     |                        |
| 15              | 16QAM      | 36      | 0         | 21.79                    | 21.96                       | 21.87                     | 23.2                   |
| 15              | 16QAM      | 36      | 20        | 21.86                    | 21.96                       | 21.83                     |                        |
| 15              | 16QAM      | 36      | 39        | 22.03                    | 22.09                       | 22.05                     |                        |
| 15              | 16QAM      | 75      | 0         | 22.03                    | 22.01                       | 21.95                     | 23.2                   |
| 15              | 64QAM      | 1       | 0         | 22.36                    | 22.50                       | 22.49                     |                        |
| 15              | 64QAM      | 1       | 37        | 22.45                    | 22.57                       | 22.51                     |                        |
| 15              | 64QAM      | 1       | 74        | 22.60                    | 22.68                       | 22.70                     | 22.2                   |
| 15              | 64QAM      | 36      | 0         | 20.84                    | 20.96                       | 20.90                     |                        |
| 15              | 64QAM      | 36      | 20        | 20.85                    | 20.93                       | 20.92                     |                        |
| 15              | 64QAM      | 36      | 39        | 20.93                    | 21.02                       | 20.99                     | 20.2                   |
| 15              | 64QAM      | 75      | 0         | 20.92                    | 21.04                       | 20.94                     |                        |
| 15              | 256QAM     | 1       | 0         | 19.04                    | 19.05                       | 18.93                     |                        |
| 15              | 256QAM     | 1       | 37        | 19.11                    | 19.20                       | 19.10                     | 20.2                   |
| 15              | 256QAM     | 1       | 74        | 19.26                    | 19.33                       | 19.28                     |                        |
| 15              | 256QAM     | 36      | 0         | 18.95                    | 18.99                       | 18.94                     |                        |
| 15              | 256QAM     | 36      | 20        | 19.01                    | 19.08                       | 18.99                     |                        |



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|                 |        |    |    |        |        |        |                     |
|-----------------|--------|----|----|--------|--------|--------|---------------------|
| 15              | 256QAM | 36 | 39 | 19.19  | 19.23  | 19.23  | Tune-up limit (dBm) |
| 15              | 256QAM | 75 | 0  | 18.97  | 19.07  | 19.00  |                     |
| Channel         |        |    |    | 20000  | 20175  | 20350  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1715   | 1732.5 | 1750   |                     |
| 10              | QPSK   | 1  | 0  | 23.75  | 24.04  | 24.05  | 25.2                |
| 10              | QPSK   | 1  | 25 | 24.00  | 23.99  | 23.88  |                     |
| 10              | QPSK   | 1  | 49 | 24.04  | 24.07  | 24.07  |                     |
| 10              | QPSK   | 25 | 0  | 22.81  | 22.87  | 22.91  | 24.2                |
| 10              | QPSK   | 25 | 12 | 22.99  | 22.93  | 22.90  |                     |
| 10              | QPSK   | 25 | 25 | 22.95  | 23.04  | 23.01  |                     |
| 10              | QPSK   | 50 | 0  | 23.03  | 23.01  | 22.99  |                     |
| 10              | 16QAM  | 1  | 0  | 22.79  | 22.91  | 22.83  | 24.2                |
| 10              | 16QAM  | 1  | 25 | 22.93  | 22.97  | 22.93  |                     |
| 10              | 16QAM  | 1  | 49 | 22.89  | 23.00  | 22.96  |                     |
| 10              | 16QAM  | 25 | 0  | 21.80  | 21.98  | 21.91  | 23.2                |
| 10              | 16QAM  | 25 | 12 | 21.88  | 21.95  | 21.85  |                     |
| 10              | 16QAM  | 25 | 25 | 22.07  | 22.06  | 22.07  |                     |
| 10              | 16QAM  | 50 | 0  | 22.02  | 22.01  | 21.95  |                     |
| 10              | 64QAM  | 1  | 0  | 22.40  | 22.47  | 22.39  | 23.2                |
| 10              | 64QAM  | 1  | 25 | 22.54  | 22.56  | 22.51  |                     |
| 10              | 64QAM  | 1  | 49 | 22.60  | 22.65  | 22.63  |                     |
| 10              | 64QAM  | 25 | 0  | 20.83  | 20.91  | 20.85  | 22.2                |
| 10              | 64QAM  | 25 | 12 | 20.85  | 20.93  | 20.93  |                     |
| 10              | 64QAM  | 25 | 25 | 20.98  | 21.03  | 21.01  |                     |
| 10              | 64QAM  | 50 | 0  | 20.90  | 21.03  | 20.90  |                     |
| 10              | 256QAM | 1  | 0  | 18.98  | 19.04  | 18.95  | 20.2                |
| 10              | 256QAM | 1  | 25 | 19.19  | 19.18  | 19.10  |                     |
| 10              | 256QAM | 1  | 49 | 19.27  | 19.34  | 19.32  |                     |
| 10              | 256QAM | 25 | 0  | 19.03  | 18.96  | 18.92  | 20.2                |
| 10              | 256QAM | 25 | 12 | 19.06  | 19.10  | 19.04  |                     |
| 10              | 256QAM | 25 | 25 | 19.15  | 19.20  | 19.19  |                     |
| 10              | 256QAM | 50 | 0  | 18.95  | 19.07  | 18.99  |                     |
| Channel         |        |    |    | 19975  | 20175  | 20375  | Tune-up limit (dBm) |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 |                     |
| 5               | QPSK   | 1  | 0  | 23.76  | 24.13  | 24.04  | 25.2                |
| 5               | QPSK   | 1  | 12 | 24.00  | 23.91  | 23.91  |                     |
| 5               | QPSK   | 1  | 24 | 24.02  | 24.07  | 23.98  |                     |
| 5               | QPSK   | 12 | 0  | 22.89  | 22.93  | 22.93  | 24.2                |
| 5               | QPSK   | 12 | 7  | 22.97  | 22.99  | 22.96  |                     |
| 5               | QPSK   | 12 | 13 | 22.93  | 22.96  | 22.99  |                     |
| 5               | QPSK   | 25 | 0  | 23.05  | 23.03  | 22.94  |                     |
| 5               | 16QAM  | 1  | 0  | 22.85  | 22.84  | 22.89  | 24.2                |
| 5               | 16QAM  | 1  | 12 | 22.93  | 23.03  | 22.94  |                     |
| 5               | 16QAM  | 1  | 24 | 22.91  | 23.01  | 23.04  |                     |
| 5               | 16QAM  | 12 | 0  | 21.81  | 21.90  | 21.84  | 23.2                |
| 5               | 16QAM  | 12 | 7  | 21.87  | 21.92  | 21.84  |                     |
| 5               | 16QAM  | 12 | 13 | 22.00  | 22.01  | 21.99  |                     |
| 5               | 16QAM  | 25 | 0  | 21.96  | 22.04  | 21.89  |                     |
| 5               | 64QAM  | 1  | 0  | 22.36  | 22.45  | 22.41  | 23.2                |
| 5               | 64QAM  | 1  | 12 | 22.53  | 22.53  | 22.45  |                     |
| 5               | 64QAM  | 1  | 24 | 22.54  | 22.65  | 22.71  |                     |
| 5               | 64QAM  | 12 | 0  | 20.91  | 20.96  | 20.86  | 22.2                |
| 5               | 64QAM  | 12 | 7  | 20.86  | 20.96  | 20.92  |                     |
| 5               | 64QAM  | 12 | 13 | 21.01  | 21.06  | 21.01  |                     |
| 5               | 64QAM  | 25 | 0  | 20.91  | 20.99  | 20.98  |                     |
| 5               | 256QAM | 1  | 0  | 18.97  | 19.10  | 18.98  | 20.2                |
| 5               | 256QAM | 1  | 12 | 19.17  | 19.19  | 19.15  |                     |
| 5               | 256QAM | 1  | 24 | 19.33  | 19.32  | 19.23  |                     |
| 5               | 256QAM | 12 | 0  | 19.05  | 19.04  | 18.93  | 20.2                |
| 5               | 256QAM | 12 | 7  | 19.07  | 19.10  | 19.08  |                     |
| 5               | 256QAM | 12 | 13 | 19.15  | 19.19  | 19.19  |                     |
| 5               | 256QAM | 25 | 0  | 18.99  | 19.05  | 19.01  |                     |
| Channel         |        |    |    | 19965  | 20175  | 20385  | Tune-up limit       |