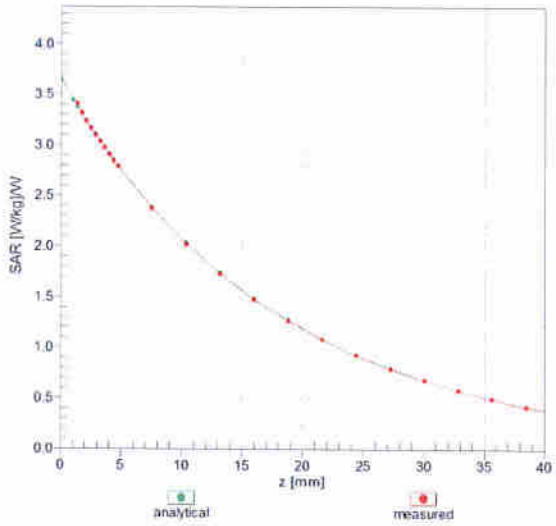
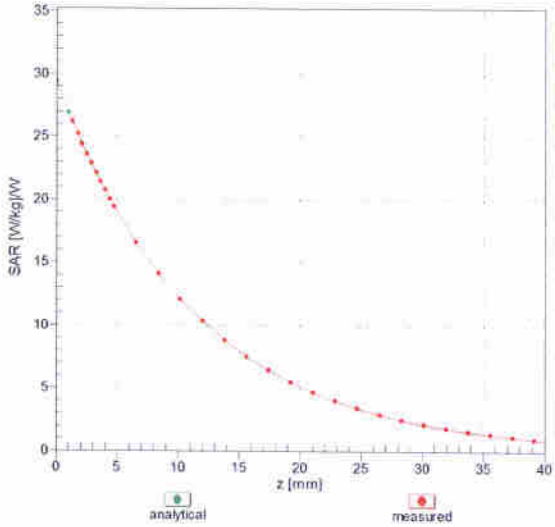
# Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

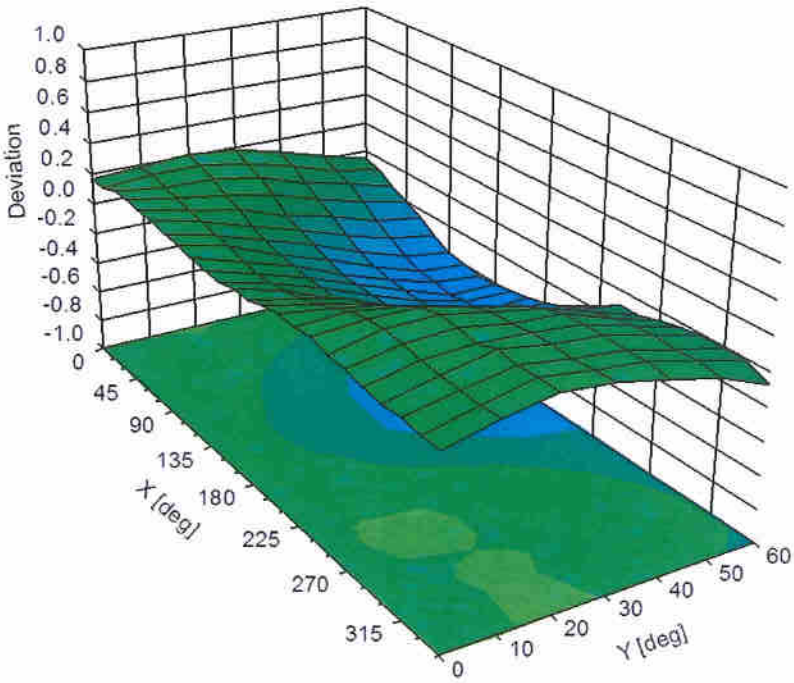


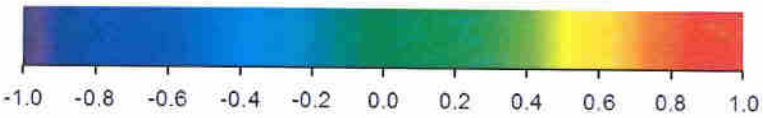

f = 1900 MHz,WGLS R22 (H_convF)




# Deviation from Isotropy in Liquid

**Error (ϕ, ϑ), f = 900 MHz**




**Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)**

**Calibration Laboratory of**
Schmid & Partner
Engineering AG
**Zeughausstrasse 43, 8004 Zurich, Switzerland**

**S** Schweizerischer Kalibrierdienst
**C** Service suisse d'étalonnage
Servizio svizzero di taratura
**S** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS)
**The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates**

**Accreditation No.: SCS 0108**

**Client** **Sporton**

**Certificate No: EX3-7641_Mar21**

# CALIBRATION CERTIFICATE

| | |
|---|---|
| Object | EX3DV4 - SN:7641 |
| Calibration procedure(s) | QA CAL-01.v9, QA CAL-14.v6, QA CAL-23.v5, QA CAL-25.v7<br>Calibration procedure for dosimetric E-field probes |
| Calibration date: | March 15, 2021 |

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

| Primary Standards | ID | Cal Date (Certificate No.) | Scheduled Calibration |
|---|---|---|---|
| Power meter NRP | SN: 104778 | 01-Apr-20 (No. 217-03100/03101) | Apr-21 |
| Power sensor NRP-Z91 | SN: 103244 | 01-Apr-20 (No. 217-03100) | Apr-21 |
| Power sensor NRP-Z91 | SN: 103245 | 01-Apr-20 (No. 217-03101) | Apr-21 |
| Reference 20 dB Attenuator | SN: CC2552 (20x) | 31-Mar-20 (No. 217-03106) | Apr-21 |
| DAE4 | SN: 660 | 23-Dec-20 (No. DAE4-660_Dec20) | Dec-21 |
| Reference Probe ES3DV2 | SN: 3013 | 30-Dec-20 (No. ES3-3013_Dec20) | Dec-21 |
| | | | |
| Secondary Standards | ID | Check Date (in house) | Scheduled Check |
| Power meter E4419B | SN: GB41293874 | 06-Apr-16 (in house check Jun-20) | In house check: Jun-22 |
| Power sensor E4412A | SN: MY41498087 | 06-Apr-16 (in house check Jun-20) | In house check: Jun-22 |
| Power sensor E4412A | SN: 000110210 | 06-Apr-16 (in house check Jun-20) | In house check: Jun-22 |
| RF generator HP 8648C | SN: US3642U01700 | 04-Aug-99 (in house check Jun-20) | In house check: Jun-22 |
| Network Analyzer E8358A | SN: US41080477 | 31-Mar-14 (in house check Oct-20) | In house check: Oct-21 |

| | Name | Function | Signature |
|---|---|---|---|
| Calibrated by: | Leif Klysner | Laboratory Technician | |
| Approved by: | Katja Pokovic | Technical Manager | |

Issued: March 15, 2021

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

## Glossary:

| | |
|---|---|
| TSL | tissue simulating liquid |
| NORMx,y,z | sensitivity in free space |
| ConvF | sensitivity in TSL / NORMx,y,z |
| DCP | diode compression point |
| CF | crest factor (1/duty_cycle) of the RF signal |
| A, B, C, D | modulation dependent linearization parameters |
| Polarization φ | φ rotation around probe axis |
| Polarization ϑ | ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., ϑ = 0 is normal to probe axis |
| Connector Angle | information used in DASY system to align probe sensor X to the robot coordinate system |

## Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

## Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization ϑ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the $E^2$-field uncertainty inside TSL (see below *ConvF*).
- *NORM(f)x,y,z = NORMx,y,z * frequency_response* (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of *ConvF*.
- *DCPx,y,z:* DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- *PAR:* PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D* are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. *VR* is the maximum calibration range expressed in RMS voltage across the diode.
- *ConvF and Boundary Effect Parameters:* Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to *NORMx,y,z * ConvF* whereby the uncertainty corresponds to that given for *ConvF*. A frequency dependent *ConvF* is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- *Spherical isotropy (3D deviation from isotropy)*: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- *Sensor Offset*: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- *Connector Angle*: The angle is assessed using the information gained by determining the *NORMx* (no uncertainty required).

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7641

## Basic Calibration Parameters

| | Sensor X | Sensor Y | Sensor Z | Unc (k=2) |
|---|---|---|---|---|
| Norm ($\mu V/(V/m)^2$)[A] | 0.65 | 0.72 | 0.71 | ± 10.1 % |
| DCP (mV)[B] | 108.0 | 108.0 | 107.0 | |

## Calibration Results for Modulation Response

| UID | Communication System Name | | A dB | B dB√µV | C | D dB | VR mV | Max dev. | Max Unc[E] (k=2) |
|---|---|---|---|---|---|---|---|---|---|
| 0 | CW | X | 0.00 | 0.00 | 1.00 | 0.00 | 128.6 | ± 3.5 % | ± 4.7 % |
| | | Y | 0.00 | 0.00 | 1.00 | | 134.8 | | |
| | | Z | 0.00 | 0.00 | 1.00 | | 136.5 | | |
| 10352-AAA | Pulse Waveform (200Hz, 10%) | X | 1.77 | 61.72 | 6.99 | 10.00 | 60.0 | ± 3.6 % | ± 9.6 % |
| | | Y | 1.84 | 62.30 | 7.55 | | 60.0 | | |
| | | Z | 1.70 | 61.40 | 6.70 | | 60.0 | | |
| 10353-AAA | Pulse Waveform (200Hz, 20%) | X | 0.88 | 60.00 | 5.12 | 6.99 | 80.0 | ± 2.7 % | ± 9.6 % |
| | | Y | 0.86 | 60.00 | 5.56 | | 80.0 | | |
| | | Z | 0.88 | 60.00 | 5.00 | | 80.0 | | |
| 10354-AAA | Pulse Waveform (200Hz, 40%) | X | 0.47 | 60.00 | 4.21 | 3.98 | 95.0 | ± 1.6 % | ± 9.6 % |
| | | Y | 0.50 | 60.00 | 4.64 | | 95.0 | | |
| | | Z | 0.49 | 60.00 | 4.04 | | 95.0 | | |
| 10355-AAA | Pulse Waveform (200Hz, 60%) | X | 14.64 | 148.85 | 0.14 | 2.22 | 120.0 | ± 2.2 % | ± 9.6 % |
| | | Y | 15.20 | 131.09 | 0.06 | | 120.0 | | |
| | | Z | 13.88 | 151.71 | 1.95 | | 120.0 | | |
| 10387-AAA | QPSK Waveform, 1 MHz | X | 0.55 | 63.60 | 12.39 | 1.00 | 150.0 | ± 4.2 % | ± 9.6 % |
| | | Y | 0.76 | 63.04 | 11.33 | | 150.0 | | |
| | | Z | 0.58 | 63.08 | 11.61 | | 150.0 | | |
| 10388-AAA | QPSK Waveform, 10 MHz | X | 1.33 | 65.91 | 13.81 | 0.00 | 150.0 | ± 1.4 % | ± 9.6 % |
| | | Y | 1.42 | 64.17 | 12.99 | | 150.0 | | |
| | | Z | 1.33 | 65.14 | 13.41 | | 150.0 | | |
| 10396-AAA | 64-QAM Waveform, 100 kHz | X | 1.74 | 64.97 | 16.01 | 3.01 | 150.0 | ± 0.9 % | ± 9.6 % |
| | | Y | 1.80 | 64.68 | 15.60 | | 150.0 | | |
| | | Z | 1.75 | 64.94 | 15.93 | | 150.0 | | |
| 10399-AAA | 64-QAM Waveform, 40 MHz | X | 2.82 | 66.44 | 15.04 | 0.00 | 150.0 | ± 1.8 % | ± 9.6 % |
| | | Y | 2.91 | 65.59 | 14.47 | | 150.0 | | |
| | | Z | 2.83 | 66.09 | 14.81 | | 150.0 | | |
| 10414-AAA | WLAN CCDF, 64-QAM, 40MHz | X | 3.77 | 66.08 | 15.17 | 0.00 | 150.0 | ± 3.4 % | ± 9.6 % |
| | | Y | 4.04 | 65.36 | 14.83 | | 150.0 | | |
| | | Z | 3.84 | 65.79 | 15.04 | | 150.0 | | |

Note: For details on UID parameters see Appendix

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

[A] The uncertainties of Norm X,Y,Z do not affect the $E^2$-field uncertainty inside TSL (see Page 5).
[B] Numerical linearization parameter: uncertainty not required.
[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7641

## Sensor Model Parameters

| | C1 fF | C2 fF | α $V^{-1}$ | T1 $ms.V^{-2}$ | T2 $ms.V^{-1}$ | T3 ms | T4 $V^{-2}$ | T5 $V^{-1}$ | T6 |
|---|---|---|---|---|---|---|---|---|---|
| X | 9.2 | 64.24 | 31.22 | 5.28 | 0.00 | 4.90 | 0.47 | 0.00 | 1.00 |
| Y | 14.4 | 101.45 | 31.82 | 6.45 | 0.00 | 4.93 | 0.64 | 0.00 | 1.00 |
| Z | 10.6 | 74.74 | 31.70 | 5.87 | 0.00 | 4.90 | 0.51 | 0.00 | 1.00 |

## Other Probe Parameters

| | |
|---|---|
| Sensor Arrangement | Triangular |
| Connector Angle (°) | -112 |
| Mechanical Surface Detection Mode | enabled |
| Optical Surface Detection Mode | disabled |
| Probe Overall Length | 337 mm |
| Probe Body Diameter | 10 mm |
| Tip Length | 9 mm |
| Tip Diameter | 2.5 mm |
| Probe Tip to Sensor X Calibration Point | 1 mm |
| Probe Tip to Sensor Y Calibration Point | 1 mm |
| Probe Tip to Sensor Z Calibration Point | 1 mm |
| Recommended Measurement Distance from Surface | 1.4 mm |

**Note**: Measurement distance from surface can be increased to 3-4 mm for an *Area Scan* job.

# DASY/EASY - Parameters of Probe: EX3DV4 - SN:7641

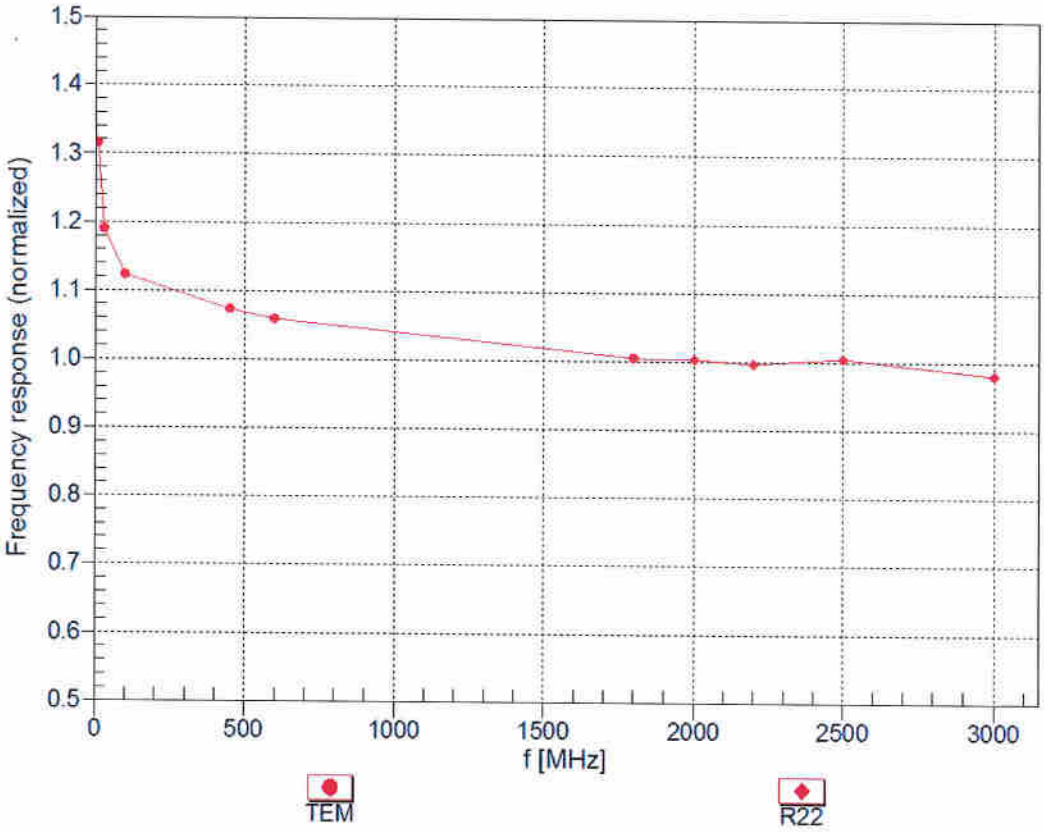
## Calibration Parameter Determined in Head Tissue Simulating Media

| f (MHz) [C] | Relative Permittivity [F] | Conductivity (S/m) [F] | ConvF X | ConvF Y | ConvF Z | Alpha [G] | Depth [G] (mm) | Unc (k=2) |
|---|---|---|---|---|---|---|---|---|
| 750 | 41.9 | 0.89 | 11.05 | 11.05 | 11.05 | 0.50 | 0.96 | ± 12.0 % |
| 835 | 41.5 | 0.90 | 10.90 | 10.90 | 10.90 | 0.38 | 1.04 | ± 12.0 % |
| 1750 | 40.1 | 1.37 | 9.41 | 9.41 | 9.41 | 0.31 | 0.86 | ± 12.0 % |
| 1900 | 40.0 | 1.40 | 9.05 | 9.05 | 9.05 | 0.32 | 0.86 | ± 12.0 % |
| 2000 | 40.0 | 1.40 | 8.96 | 8.96 | 8.96 | 0.25 | 0.86 | ± 12.0 % |
| 2300 | 39.5 | 1.67 | 8.56 | 8.56 | 8.56 | 0.33 | 0.90 | ± 12.0 % |
| 2450 | 39.2 | 1.80 | 8.29 | 8.29 | 8.29 | 0.27 | 0.90 | ± 12.0 % |
| 2600 | 39.0 | 1.96 | 7.94 | 7.94 | 7.94 | 0.34 | 0.90 | ± 12.0 % |
| 3300 | 38.2 | 2.71 | 7.55 | 7.55 | 7.55 | 0.35 | 1.30 | ± 14.0 % |
| 3500 | 37.9 | 2.91 | 7.40 | 7.40 | 7.40 | 0.35 | 1.30 | ± 14.0 % |
| 3700 | 37.7 | 3.12 | 7.20 | 7.20 | 7.20 | 0.35 | 1.30 | ± 14.0 % |
| 5250 | 35.9 | 4.71 | 5.68 | 5.68 | 5.68 | 0.40 | 1.80 | ± 14.0 % |
| 5600 | 35.5 | 5.07 | 5.03 | 5.03 | 5.03 | 0.40 | 1.80 | ± 14.0 % |
| 5750 | 35.4 | 5.22 | 5.30 | 5.30 | 5.30 | 0.40 | 1.80 | ± 14.0 % |

[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.
[F] At frequencies up to 6 GHz, the validity of tissue parameters ($\varepsilon$ and $\sigma$) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.
[G] Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

# Frequency Response of E-Field

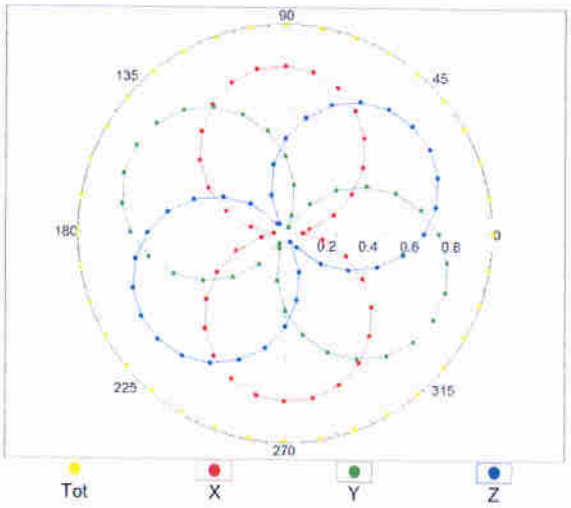
**(TEM-Cell:ifi110 EXX, Waveguide: R22)**



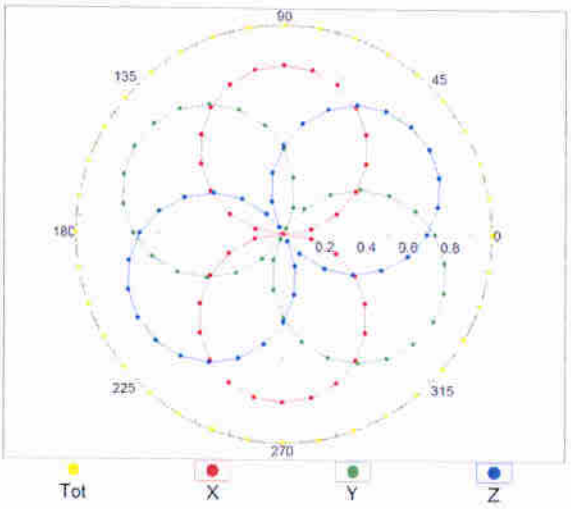

**Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)**

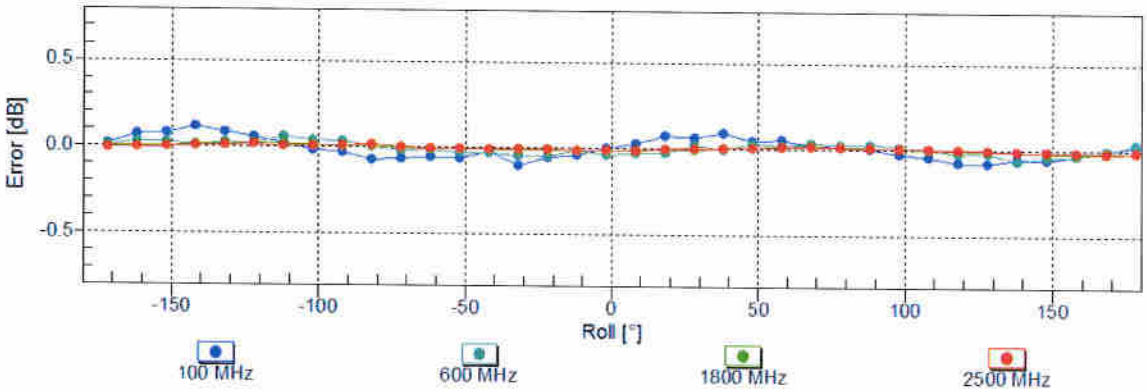
# Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM




f=1800 MHz,R22

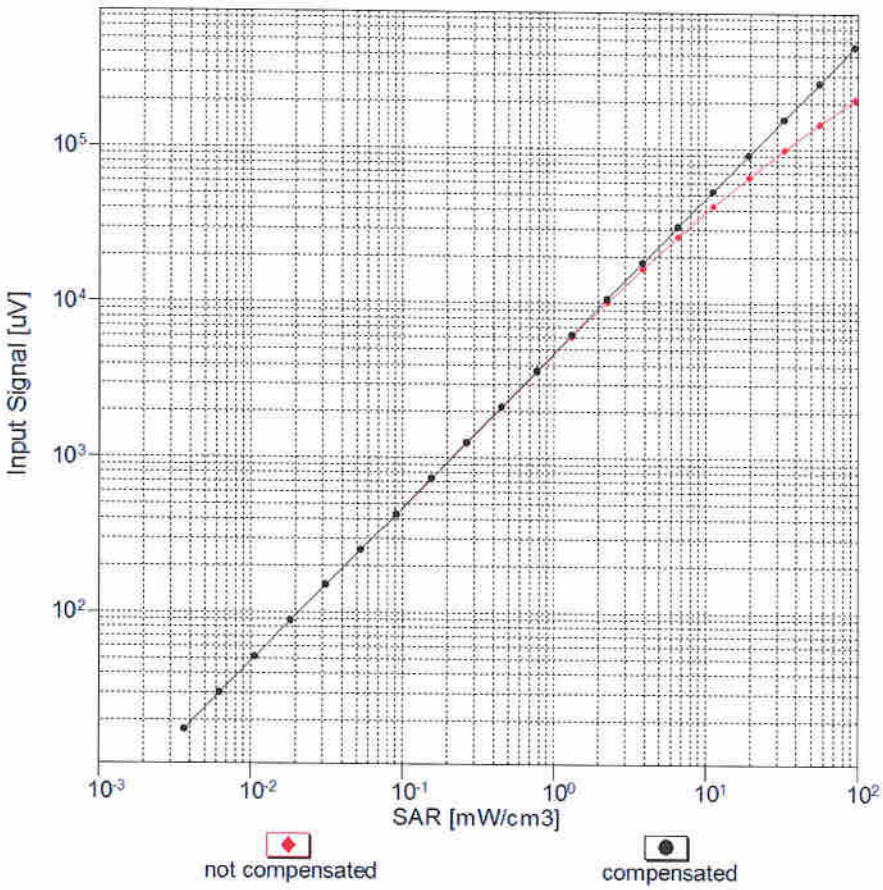


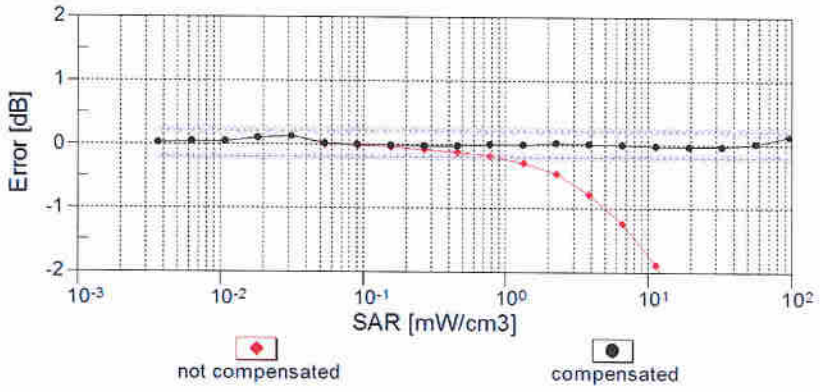




**Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)**

# Dynamic Range f($SAR_{head}$)

**(TEM cell , $f_{eval}$= 1900 MHz)**

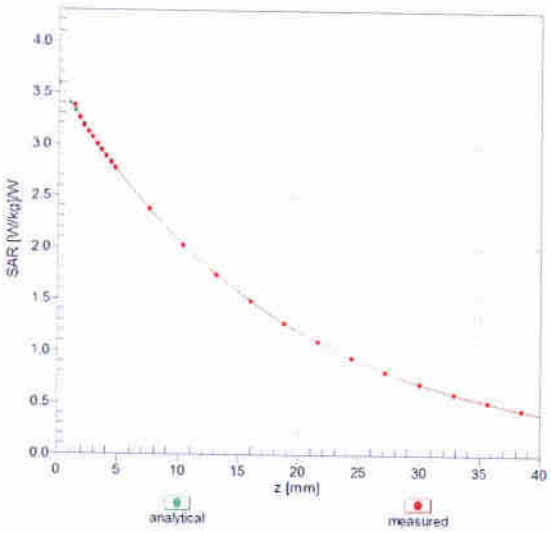


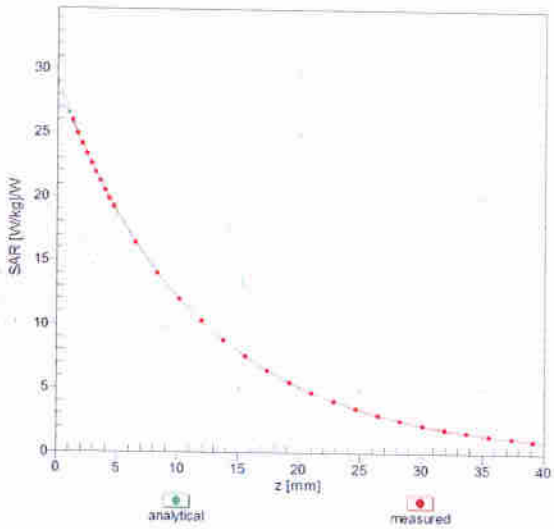

**Uncertainty of Linearity Assessment: ± 0.6% (k=2)**

# Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

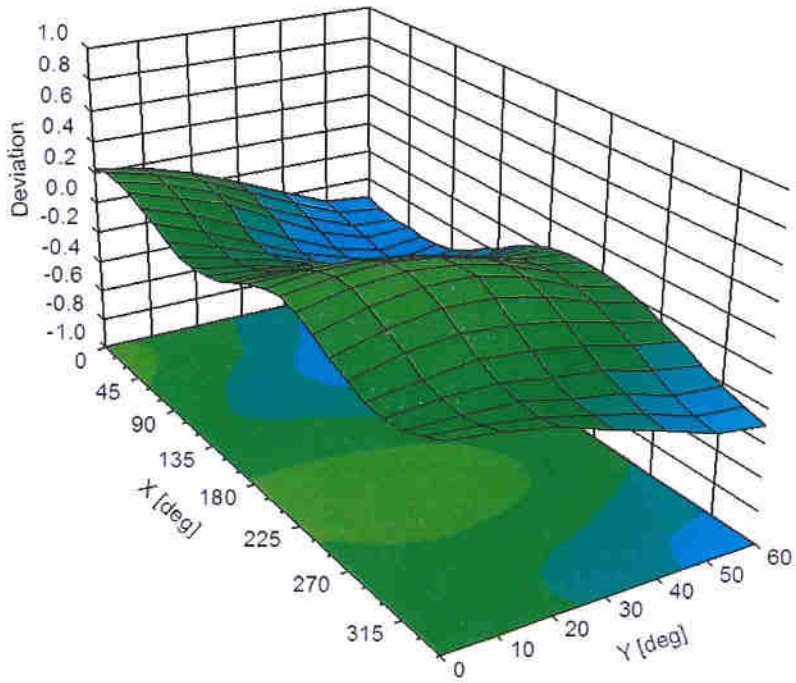


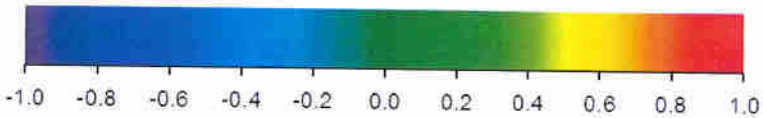

f = 1900 MHz,WGLS R22 (H_convF)




# Deviation from Isotropy in Liquid

**Error (ϕ, ϑ), f = 900 MHz**




**Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)**

## Appendix: Modulation Calibration Parameters

| UID | Rev | Communication System Name | Group | PAR (dB) | Unc[E] (k=2) |
|---|---|---|---|---|---|
| 0 | | CW | CW | 0.00 | ± 4.7 % |
| 10010 | CAA | SAR Validation (Square, 100ms, 10ms) | Test | 10.00 | ± 9.6 % |
| 10011 | CAB | UMTS-FDD (WCDMA) | WCDMA | 2.91 | ± 9.6 % |
| 10012 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps) | WLAN | 1.87 | ± 9.6 % |
| 10013 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) | WLAN | 9.46 | ± 9.6 % |
| 10021 | DAC | GSM-FDD (TDMA, GMSK) | GSM | 9.39 | ± 9.6 % |
| 10023 | DAC | GPRS-FDD (TDMA, GMSK, TN 0) | GSM | 9.57 | ± 9.6 % |
| 10024 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1) | GSM | 6.56 | ± 9.6 % |
| 10025 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0) | GSM | 12.62 | ± 9.6 % |
| 10026 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1) | GSM | 9.55 | ± 9.6 % |
| 10027 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2) | GSM | 4.80 | ± 9.6 % |
| 10028 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-1-2-3) | GSM | 3.55 | ± 9.6 % |
| 10029 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2) | GSM | 7.78 | ± 9.6 % |
| 10030 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH1) | Bluetooth | 5.30 | ± 9.6 % |
| 10031 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH3) | Bluetooth | 1.87 | ± 9.6 % |
| 10032 | CAA | IEEE 802.15.1 Bluetooth (GFSK, DH5) | Bluetooth | 1.16 | ± 9.6 % |
| 10033 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1) | Bluetooth | 7.74 | ± 9.6 % |
| 10034 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) | Bluetooth | 4.53 | ± 9.6 % |
| 10035 | CAA | IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5) | Bluetooth | 3.83 | ± 9.6 % |
| 10036 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH1) | Bluetooth | 8.01 | ± 9.6 % |
| 10037 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH3) | Bluetooth | 4.77 | ± 9.6 % |
| 10038 | CAA | IEEE 802.15.1 Bluetooth (8-DPSK, DH5) | Bluetooth | 4.10 | ± 9.6 % |
| 10039 | CAB | CDMA2000 (1xRTT, RC1) | CDMA2000 | 4.57 | ± 9.6 % |
| 10042 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) | AMPS | 7.78 | ± 9.6 % |
| 10044 | CAA | IS-91/EIA/TIA-553 FDD (FDMA, FM) | AMPS | 0.00 | ± 9.6 % |
| 10048 | CAA | DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) | DECT | 13.80 | ± 9.6 % |
| 10049 | CAA | DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) | DECT | 10.79 | ± 9.6 % |
| 10056 | CAA | UMTS-TDD (TD-SCDMA, 1.28 Mcps) | TD-SCDMA | 11.01 | ± 9.6 % |
| 10058 | DAC | EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) | GSM | 6.52 | ± 9.6 % |
| 10059 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) | WLAN | 2.12 | ± 9.6 % |
| 10060 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) | WLAN | 2.83 | ± 9.6 % |
| 10061 | CAB | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps) | WLAN | 3.60 | ± 9.6 % |
| 10062 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps) | WLAN | 8.68 | ± 9.6 % |
| 10063 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps) | WLAN | 8.63 | ± 9.6 % |
| 10064 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps) | WLAN | 9.09 | ± 9.6 % |
| 10065 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps) | WLAN | 9.00 | ± 9.6 % |
| 10066 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps) | WLAN | 9.38 | ± 9.6 % |
| 10067 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps) | WLAN | 10.12 | ± 9.6 % |
| 10068 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps) | WLAN | 10.24 | ± 9.6 % |
| 10069 | CAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) | WLAN | 10.56 | ± 9.6 % |
| 10071 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps) | WLAN | 9.83 | ± 9.6 % |
| 10072 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps) | WLAN | 9.62 | ± 9.6 % |
| 10073 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps) | WLAN | 9.94 | ± 9.6 % |
| 10074 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps) | WLAN | 10.30 | ± 9.6 % |
| 10075 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps) | WLAN | 10.77 | ± 9.6 % |
| 10076 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps) | WLAN | 10.94 | ± 9.6 % |
| 10077 | CAB | IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) | WLAN | 11.00 | ± 9.6 % |
| 10081 | CAB | CDMA2000 (1xRTT, RC3) | CDMA2000 | 3.97 | ± 9.6 % |
| 10082 | CAB | IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate) | AMPS | 4.77 | ± 9.6 % |
| 10090 | DAC | GPRS-FDD (TDMA, GMSK, TN 0-4) | GSM | 6.56 | ± 9.6 % |
| 10097 | CAC | UMTS-FDD (HSDPA) | WCDMA | 3.98 | ± 9.6 % |
| 10098 | DAC | UMTS-FDD (HSUPA, Subtest 2) | WCDMA | 3.98 | ± 9.6 % |

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|---|---|---|---|---|---|
| 10099 | CAC | EDGE-FDD (TDMA, 8PSK, TN 0-4) | GSM | 9.55 | ± 9.6 % |
| 10100 | CAC | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-FDD | 5.67 | ± 9.6 % |
| 10101 | CAB | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 % |
| 10102 | CAB | LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
| 10103 | DAC | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6 % |
| 10104 | CAE | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.97 | ± 9.6 % |
| 10105 | CAE | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.01 | ± 9.6 % |
| 10108 | CAE | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-FDD | 5.80 | ± 9.6 % |
| 10109 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10110 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 % |
| 10111 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.44 | ± 9.6 % |
| 10112 | CAG | LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.59 | ± 9.6 % |
| 10113 | CAG | LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 % |
| 10114 | CAG | IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| 10115 | CAG | IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM) | WLAN | 8.46 | ± 9.6 % |
| 10116 | CAG | IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM) | WLAN | 8.15 | ± 9.6 % |
| 10117 | CAG | IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK) | WLAN | 8.07 | ± 9.6 % |
| 10118 | CAD | IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM) | WLAN | 8.59 | ± 9.6 % |
| 10119 | CAD | IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10140 | CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10141 | CAD | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.53 | ± 9.6 % |
| 10142 | CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10143 | CAD | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.35 | ± 9.6 % |
| 10144 | CAC | LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.65 | ± 9.6 % |
| 10145 | CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.76 | ± 9.6 % |
| 10146 | CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.41 | ± 9.6 % |
| 10147 | CAC | LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.72 | ± 9.6 % |
| 10149 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-FDD | 6.42 | ± 9.6 % |
| 10150 | CAE | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
| 10151 | CAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-TDD | 9.28 | ± 9.6 % |
| 10152 | CAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) | LTE-TDD | 9.92 | ± 9.6 % |
| 10153 | CAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM) | LTE-TDD | 10.05 | ± 9.6 % |
| 10154 | CAF | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-FDD | 5.75 | ± 9.6 % |
| 10155 | CAF | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10156 | CAF | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-FDD | 5.79 | ± 9.6 % |
| 10157 | CAE | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10158 | CAE | LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-FDD | 6.62 | ± 9.6 % |
| 10159 | CAG | LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-FDD | 6.56 | ± 9.6 % |
| 10160 | CAG | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-FDD | 5.82 | ± 9.6 % |
| 10161 | CAG | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-FDD | 6.43 | ± 9.6 % |
| 10162 | CAG | LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-FDD | 6.58 | ± 9.6 % |
| 10166 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-FDD | 5.46 | ± 9.6 % |
| 10167 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.21 | ± 9.6 % |
| 10168 | CAG | LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.79 | ± 9.6 % |
| 10169 | CAG | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10170 | CAG | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10171 | CAE | LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-FDD | 6.49 | ± 9.6 % |
| 10172 | CAE | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10173 | CAE | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10174 | CAF | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10175 | CAF | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10176 | CAF | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10177 | CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10178 | CAE | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10179 | AAE | LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10180 | CAG | LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |

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| 10181 | CAG | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10182 | CAG | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10183 | CAG | LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10184 | CAG | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10185 | CAI | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-FDD | 6.51 | ± 9.6 % |
| 10186 | CAG | LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10187 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-FDD | 5.73 | ± 9.6 % |
| 10188 | CAG | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-FDD | 6.52 | ± 9.6 % |
| 10189 | CAE | LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-FDD | 6.50 | ± 9.6 % |
| 10193 | CAE | IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) | WLAN | 8.09 | ± 9.6 % |
| 10194 | AAD | IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) | WLAN | 8.12 | ± 9.6 % |
| 10195 | CAE | IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) | WLAN | 8.21 | ± 9.6 % |
| 10196 | CAE | IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) | WLAN | 8.10 | ± 9.6 % |
| 10197 | AAE | IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10198 | CAF | IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) | WLAN | 8.27 | ± 9.6 % |
| 10219 | CAF | IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK) | WLAN | 8.03 | ± 9.6 % |
| 10220 | AAF | IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM) | WLAN | 8.13 | ± 9.6 % |
| 10221 | CAC | IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM) | WLAN | 8.27 | ± 9.6 % |
| 10222 | CAC | IEEE 802.11n (HT Mixed, 15 Mbps, BPSK) | WLAN | 8.06 | ± 9.6 % |
| 10223 | CAD | IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM) | WLAN | 8.48 | ± 9.6 % |
| 10224 | CAD | IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM) | WLAN | 8.08 | ± 9.6 % |
| 10225 | CAD | UMTS-FDD (HSPA+) | WCDMA | 5.97 | ± 9.6 % |
| 10226 | CAD | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.49 | ± 9.6 % |
| 10227 | CAD | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.26 | ± 9.6 % |
| 10228 | CAD | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) | LTE-TDD | 9.22 | ± 9.6 % |
| 10229 | DAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10230 | CAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10231 | CAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) | LTE-TDD | 9.19 | ± 9.6 % |
| 10232 | CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10233 | CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10234 | CAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10235 | CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10236 | CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10237 | CAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10238 | CAB | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) | LTE-TDD | 9.48 | ± 9.6 % |
| 10239 | CAB | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) | LTE-TDD | 10.25 | ± 9.6 % |
| 10240 | CAB | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK) | LTE-TDD | 9.21 | ± 9.6 % |
| 10241 | CAB | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.82 | ± 9.6 % |
| 10242 | CAD | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 9.86 | ± 9.6 % |
| 10243 | CAD | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.46 | ± 9.6 % |
| 10244 | CAD | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10245 | CAG | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10246 | CAG | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-TDD | 9.30 | ± 9.6 % |
| 10247 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.91 | ± 9.6 % |
| 10248 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.09 | ± 9.6 % |
| 10249 | CAG | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK) | LTE-TDD | 9.29 | ± 9.6 % |
| 10250 | CAG | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.81 | ± 9.6 % |
| 10251 | CAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.17 | ± 9.6 % |
| 10252 | CAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) | LTE-TDD | 9.24 | ± 9.6 % |
| 10253 | CAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) | LTE-TDD | 9.90 | ± 9.6 % |
| 10254 | CAB | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.14 | ± 9.6 % |
| 10255 | CAB | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK) | LTE-TDD | 9.20 | ± 9.6 % |
| 10256 | CAB | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) | LTE-TDD | 9.96 | ± 9.6 % |
| 10257 | CAD | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) | LTE-TDD | 10.08 | ± 9.6 % |
| 10258 | CAD | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK) | LTE-TDD | 9.34 | ± 9.6 % |
| 10259 | CAD | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM) | LTE-TDD | 9.98 | ± 9.6 % |

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| 10260 | CAG | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) | LTE-TDD | 9.97 | ± 9.6 % |
| 10261 | CAG | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) | LTE-TDD | 9.24 | ± 9.6 % |
| 10262 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) | LTE-TDD | 9.83 | ± 9.6 % |
| 10263 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) | LTE-TDD | 10.16 | ± 9.6 % |
| 10264 | CAG | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK) | LTE-TDD | 9.23 | ± 9.6 % |
| 10265 | CAG | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) | LTE-TDD | 9.92 | ± 9.6 % |
| 10266 | CAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) | LTE-TDD | 10.07 | ± 9.6 % |
| 10267 | CAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK) | LTE-TDD | 9.30 | ± 9.6 % |
| 10268 | CAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM) | LTE-TDD | 10.06 | ± 9.6 % |
| 10269 | CAB | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) | LTE-TDD | 10.13 | ± 9.6 % |
| 10270 | CAB | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-TDD | 9.58 | ± 9.6 % |
| 10274 | CAB | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) | WCDMA | 4.87 | ± 9.6 % |
| 10275 | CAD | UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) | WCDMA | 3.96 | ± 9.6 % |
| 10277 | CAD | PHS (QPSK) | PHS | 11.81 | ± 9.6 % |
| 10278 | CAD | PHS (QPSK, BW 884MHz, Rolloff 0.5) | PHS | 11.81 | ± 9.6 % |
| 10279 | CAG | PHS (QPSK, BW 884MHz, Rolloff 0.38) | PHS | 12.18 | ± 9.6 % |
| 10290 | CAG | CDMA2000, RC1, SO55, Full Rate | CDMA2000 | 3.91 | ± 9.6 % |
| 10291 | CAG | CDMA2000, RC3, SO55, Full Rate | CDMA2000 | 3.46 | ± 9.6 % |
| 10292 | CAG | CDMA2000, RC3, SO32, Full Rate | CDMA2000 | 3.39 | ± 9.6 % |
| 10293 | CAG | CDMA2000, RC3, SO3, Full Rate | CDMA2000 | 3.50 | ± 9.6 % |
| 10295 | CAG | CDMA2000, RC1, SO3, 1/8th Rate 25 fr. | CDMA2000 | 12.49 | ± 9.6 % |
| 10297 | CAF | LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) | LTE-FDD | 5.81 | ± 9.6 % |
| 10298 | CAF | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) | LTE-FDD | 5.72 | ± 9.6 % |
| 10299 | CAF | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) | LTE-FDD | 6.39 | ± 9.6 % |
| 10300 | CAC | LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) | LTE-FDD | 6.60 | ± 9.6 % |
| 10301 | CAC | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC) | WiMAX | 12.03 | ± 9.6 % |
| 10302 | CAB | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL) | WiMAX | 12.57 | ± 9.6 % |
| 10303 | CAB | IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC) | WiMAX | 12.52 | ± 9.6 % |
| 10304 | CAA | IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) | WiMAX | 11.86 | ± 9.6 % |
| 10305 | CAA | IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC) | WiMAX | 15.24 | ± 9.6 % |
| 10306 | CAA | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC) | WiMAX | 14.67 | ± 9.6 % |
| 10307 | AAB | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC) | WiMAX | 14.49 | ± 9.6 % |
| 10308 | AAB | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) | WiMAX | 14.46 | ± 9.6 % |
| 10309 | AAB | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3) | WiMAX | 14.58 | ± 9.6 % |
| 10310 | AAB | IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3 | WiMAX | 14.57 | ± 9.6 % |
| 10311 | AAB | LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) | LTE-FDD | 6.06 | ± 9.6 % |
| 10313 | AAD | iDEN 1:3 | iDEN | 10.51 | ± 9.6 % |
| 10314 | AAD | iDEN 1:6 | iDEN | 13.48 | ± 9.6 % |
| 10315 | AAD | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc) | WLAN | 1.71 | ± 9.6 % |
| 10316 | AAD | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10317 | AAA | IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10352 | AAA | Pulse Waveform (200Hz, 10%) | Generic | 10.00 | ± 9.6 % |
| 10353 | AAA | Pulse Waveform (200Hz, 20%) | Generic | 6.99 | ± 9.6 % |
| 10354 | AAA | Pulse Waveform (200Hz, 40%) | Generic | 3.98 | ± 9.6 % |
| 10355 | AAA | Pulse Waveform (200Hz, 60%) | Generic | 2.22 | ± 9.6 % |
| 10356 | AAA | Pulse Waveform (200Hz, 80%) | Generic | 0.97 | ± 9.6 % |
| 10387 | AAA | QPSK Waveform, 1 MHz | Generic | 5.10 | ± 9.6 % |
| 10388 | AAA | QPSK Waveform, 10 MHz | Generic | 5.22 | ± 9.6 % |
| 10396 | AAA | 64-QAM Waveform, 100 kHz | Generic | 6.27 | ± 9.6 % |
| 10399 | AAA | 64-QAM Waveform, 40 MHz | Generic | 6.27 | ± 9.6 % |
| 10400 | AAD | IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 10401 | AAA | IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10402 | AAA | IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc dc) | WLAN | 8.53 | ± 9.6 % |
| 10403 | AAB | CDMA2000 (1xEV-DO, Rev. 0) | CDMA2000 | 3.76 | ± 9.6 % |
| 10404 | AAB | CDMA2000 (1xEV-DO, Rev. A) | CDMA2000 | 3.77 | ± 9.6 % |
| 10406 | AAD | CDMA2000, RC3, SO32, SCH0, Full Rate | CDMA2000 | 5.22 | ± 9.6 % |

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|---|---|---|---|---|---|
| 10410 | AAA | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9) | LTE-TDD | 7.82 | ± 9.6 % |
| 10414 | AAA | WLAN CCDF, 64-QAM, 40MHz | Generic | 8.54 | ± 9.6 % |
| 10415 | AAA | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc) | WLAN | 1.54 | ± 9.6 % |
| 10416 | AAA | IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 % |
| 10417 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 % |
| 10418 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long) | WLAN | 8.14 | ± 9.6 % |
| 10419 | AAA | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short) | WLAN | 8.19 | ± 9.6 % |
| 10422 | AAA | IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK) | WLAN | 8.32 | ± 9.6 % |
| 10423 | AAA | IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM) | WLAN | 8.47 | ± 9.6 % |
| 10424 | AAE | IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) | WLAN | 8.40 | ± 9.6 % |
| 10425 | AAE | IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK) | WLAN | 8.41 | ± 9.6 % |
| 10426 | AAE | IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM) | WLAN | 8.45 | ± 9.6 % |
| 10427 | AAB | IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) | WLAN | 8.41 | ± 9.6 % |
| 10430 | AAB | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) | LTE-FDD | 8.28 | ± 9.6 % |
| 10431 | AAC | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) | LTE-FDD | 8.38 | ± 9.6 % |
| 10432 | AAB | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ± 9.6 % |
| 10433 | AAC | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) | LTE-FDD | 8.34 | ± 9.6 % |
| 10434 | AAG | W-CDMA (BS Test Model 1, 64 DPCH) | WCDMA | 8.60 | ± 9.6 % |
| 10435 | AAA | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10447 | AAA | LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.56 | ± 9.6 % |
| 10448 | AAA | LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) | LTE-FDD | 7.53 | ± 9.6 % |
| 10449 | AAC | LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%) | LTE-FDD | 7.51 | ± 9.6 % |
| 10450 | AAA | LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-FDD | 7.48 | ± 9.6 % |
| 10451 | AAA | W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%) | WCDMA | 7.59 | ± 9.6 % |
| 10453 | AAC | Validation (Square, 10ms, 1ms) | Test | 10.00 | ± 9.6 % |
| 10456 | AAC | IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc) | WLAN | 8.63 | ± 9.6 % |
| 10457 | AAC | UMTS-FDD (DC-HSDPA) | WCDMA | 6.62 | ± 9.6 % |
| 10458 | AAC | CDMA2000 (1xEV-DO, Rev. B, 2 carriers) | CDMA2000 | 6.55 | ± 9.6 % |
| 10459 | AAC | CDMA2000 (1xEV-DO, Rev. B, 3 carriers) | CDMA2000 | 8.25 | ± 9.6 % |
| 10460 | AAC | UMTS-FDD (WCDMA, AMR) | WCDMA | 2.39 | ± 9.6 % |
| 10461 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10462 | AAC | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.30 | ± 9.6 % |
| 10463 | AAD | LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ± 9.6 % |
| 10464 | AAD | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10465 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10466 | AAC | LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10467 | AAA | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10468 | AAF | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10469 | AAD | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.56 | ± 9.6 % |
| 10470 | AAD | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10471 | AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10472 | AAC | LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10473 | AAA | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.82 | ± 9.6 % |
| 10474 | AAC | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10475 | AAD | LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10477 | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.32 | ± 9.6 % |
| 10478 | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.57 | ± 9.6 % |
| 10479 | AAC | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10480 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.18 | ± 9.6 % |
| 10481 | AAA | LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ± 9.6 % |
| 10482 | AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.71 | ± 9.6 % |
| 10483 | AAA | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub) | LTE-TDD | 8.39 | ± 9.6 % |
| 10484 | AAB | LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.47 | ± 9.6 % |
| 10485 | AAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.59 | ± 9.6 % |
| 10486 | AAB | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.38 | ± 9.6 % |
| 10487 | AAC | LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.60 | ± 9.6 % |

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|---|---|---|---|---|---|
| 10488 | AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.70 | ± 9.6 % |
| 10489 | AAC | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ± 9.6 % |
| 10490 | AAF | LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| 10491 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10492 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.41 | ± 9.6 % |
| 10493 | AAF | LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ± 9.6 % |
| 10494 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10495 | AAF | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.37 | ± 9.6 % |
| 10496 | AAE | LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| 10497 | AAE | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | ± 9.6 % |
| 10498 | AAE | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.40 | ± 9.6 % |
| 10499 | AAC | LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.68 | ± 9.6 % |
| 10500 | AAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Sub) | LTE-TDD | 7.67 | ± 9.6 % |
| 10501 | AAF | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.44 | ± 9.6 % |
| 10502 | AAB | LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.52 | ± 9.6 % |
| 10503 | AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub) | LTE-TDD | 7.72 | ± 9.6 % |
| 10504 | AAB | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.31 | ± 9.6 % |
| 10505 | AAC | LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.54 | ± 9.6 % |
| 10506 | AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10507 | AAC | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.36 | ± 9.6 % |
| 10508 | AAF | LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.55 | ± 9.6 % |
| 10509 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub) | LTE-TDD | 7.99 | ± 9.6 % |
| 10510 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.49 | ± 9.6 % |
| 10511 | AAF | LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.51 | ± 9.6 % |
| 10512 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub) | LTE-TDD | 7.74 | ± 9.6 % |
| 10513 | AAF | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub) | LTE-TDD | 8.42 | ± 9.6 % |
| 10514 | AAE | LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub) | LTE-TDD | 8.45 | ± 9.6 % |
| 10515 | AAE | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc) | WLAN | 1.58 | ± 9.6 % |
| 10516 | AAE | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc) | WLAN | 1.57 | ± 9.6 % |
| 10517 | AAF | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc) | WLAN | 1.58 | ± 9.6 % |
| 10518 | AAF | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc) | WLAN | 8.23 | ± 9.6 % |
| 10519 | AAF | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc) | WLAN | 8.39 | ± 9.6 % |
| 10520 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc) | WLAN | 8.12 | ± 9.6 % |
| 10521 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc) | WLAN | 7.97 | ± 9.6 % |
| 10522 | AAB | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10523 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc) | WLAN | 8.08 | ± 9.6 % |
| 10524 | AAC | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc) | WLAN | 8.27 | ± 9.6 % |
| 10525 | AAC | IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10526 | AAF | IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10527 | AAF | IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc) | WLAN | 8.21 | ± 9.6 % |
| 10528 | AAF | IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10529 | AAF | IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10531 | AAF | IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc) | WLAN | 8.43 | ± 9.6 % |
| 10532 | AAF | IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10533 | AAE | IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc) | WLAN | 8.38 | ± 9.6 % |
| 10534 | AAE | IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10535 | AAE | IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10536 | AAF | IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc) | WLAN | 8.32 | ± 9.6 % |
| 10537 | AAF | IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc) | WLAN | 8.44 | ± 9.6 % |
| 10538 | AAF | IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc) | WLAN | 8.54 | ± 9.6 % |
| 10540 | AAA | IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc) | WLAN | 8.39 | ± 9.6 % |
| 10541 | AAA | IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc) | WLAN | 8.46 | ± 9.6 % |
| 10542 | AAA | IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc) | WLAN | 8.65 | ± 9.6 % |
| 10543 | AAC | IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc) | WLAN | 8.65 | ± 9.6 % |
| 10544 | AAC | IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc) | WLAN | 8.47 | ± 9.6 % |
| 10545 | AAC | IEEE 802.11ac WiFi (80MHz, MCS1, 99pc dc) | WLAN | 8.55 | ± 9.6 % |

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| 10546 | AAC | IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc) | WLAN | 8.35 | ± 9.6 % |
| 10547 | AAC | IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10548 | AAC | IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 10550 | AAC | IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc) | WLAN | 8.38 | ± 9.6 % |
| 10551 | AAC | IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc) | WLAN | 8.50 | ± 9.6 % |
| 10552 | AAC | IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10553 | AAC | IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10554 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc) | WLAN | 8.48 | ± 9.6 % |
| 10555 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc) | WLAN | 8.47 | ± 9.6 % |
| 10556 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc) | WLAN | 8.50 | ± 9.6 % |
| 10557 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc) | WLAN | 8.52 | ± 9.6 % |
| 10558 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc) | WLAN | 8.61 | ± 9.6 % |
| 10560 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc) | WLAN | 8.73 | ± 9.6 % |
| 10561 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc) | WLAN | 8.56 | ± 9.6 % |
| 10562 | AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc) | WLAN | 8.69 | ± 9.6 % |
| 10563 | AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 99pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10564 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10565 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10566 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc) | WLAN | 8.13 | ± 9.6 % |
| 10567 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc) | WLAN | 8.00 | ± 9.6 % |
| 10568 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc) | WLAN | 8.37 | ± 9.6 % |
| 10569 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc) | WLAN | 8.10 | ± 9.6 % |
| 10570 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc) | WLAN | 8.30 | ± 9.6 % |
| 10571 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc) | WLAN | 1.99 | ± 9.6 % |
| 10572 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc) | WLAN | 1.99 | ± 9.6 % |
| 10573 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc) | WLAN | 1.98 | ± 9.6 % |
| 10574 | AAC | IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc) | WLAN | 1.98 | ± 9.6 % |
| 10575 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | ± 9.6 % |
| 10576 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10577 | AAC | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10578 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10579 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10580 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10581 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc) | WLAN | 8.35 | ± 9.6 % |
| 10582 | AAD | IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10583 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc) | WLAN | 8.59 | ± 9.6 % |
| 10584 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc) | WLAN | 8.60 | ± 9.6 % |
| 10585 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10586 | AAD | IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10587 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10588 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10589 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc) | WLAN | 8.35 | ± 9.6 % |
| 10590 | AAA | IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10591 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc) | WLAN | 8.63 | ± 9.6 % |
| 10592 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10593 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10594 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10595 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10596 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc) | WLAN | 8.71 | ± 9.6 % |
| 10597 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc) | WLAN | 8.72 | ± 9.6 % |
| 10598 | AAA | IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc) | WLAN | 8.50 | ± 9.6 % |
| 10599 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10600 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc) | WLAN | 8.88 | ± 9.6 % |
| 10601 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10602 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10603 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc dc) | WLAN | 9.03 | ± 9.6 % |

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|---|---|---|---|---|---|
| 10604 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10605 | AAA | IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc dc) | WLAN | 8.97 | ± 9.6 % |
| 10606 | AAC | IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10607 | AAC | IEEE 802.11ac WiFi (20MHz, MCS0, 90pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10608 | AAC | IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10609 | AAC | IEEE 802.11ac WiFi (20MHz, MCS2, 90pc dc) | WLAN | 8.57 | ± 9.6 % |
| 10610 | AAC | IEEE 802.11ac WiFi (20MHz, MCS3, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10611 | AAC | IEEE 802.11ac WiFi (20MHz, MCS4, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10612 | AAC | IEEE 802.11ac WiFi (20MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10613 | AAC | IEEE 802.11ac WiFi (20MHz, MCS6, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10614 | AAC | IEEE 802.11ac WiFi (20MHz, MCS7, 90pc dc) | WLAN | 8.59 | ± 9.6 % |
| 10615 | AAC | IEEE 802.11ac WiFi (20MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10616 | AAC | IEEE 802.11ac WiFi (40MHz, MCS0, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10617 | AAC | IEEE 802.11ac WiFi (40MHz, MCS1, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10618 | AAC | IEEE 802.11ac WiFi (40MHz, MCS2, 90pc dc) | WLAN | 8.58 | ± 9.6 % |
| 10619 | AAC | IEEE 802.11ac WiFi (40MHz, MCS3, 90pc dc) | WLAN | 8.86 | ± 9.6 % |
| 10620 | AAC | IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc) | WLAN | 8.87 | ± 9.6 % |
| 10621 | AAC | IEEE 802.11ac WiFi (40MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10622 | AAC | IEEE 802.11ac WiFi (40MHz, MCS6, 90pc dc) | WLAN | 8.68 | ± 9.6 % |
| 10623 | AAC | IEEE 802.11ac WiFi (40MHz, MCS7, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10624 | AAC | IEEE 802.11ac WiFi (40MHz, MCS8, 90pc dc) | WLAN | 8.96 | ± 9.6 % |
| 10625 | AAC | IEEE 802.11ac WiFi (40MHz, MCS9, 90pc dc) | WLAN | 8.96 | ± 9.6 % |
| 10626 | AAC | IEEE 802.11ac WiFi (80MHz, MCS0, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10627 | AAC | IEEE 802.11ac WiFi (80MHz, MCS1, 90pc dc) | WLAN | 8.88 | ± 9.6 % |
| 10628 | AAC | IEEE 802.11ac WiFi (80MHz, MCS2, 90pc dc) | WLAN | 8.71 | ± 9.6 % |
| 10629 | AAC | IEEE 802.11ac WiFi (80MHz, MCS3, 90pc dc) | WLAN | 8.85 | ± 9.6 % |
| 10630 | AAC | IEEE 802.11ac WiFi (80MHz, MCS4, 90pc dc) | WLAN | 8.72 | ± 9.6 % |
| 10631 | AAC | IEEE 802.11ac WiFi (80MHz, MCS5, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10632 | AAC | IEEE 802.11ac WiFi (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10633 | AAC | IEEE 802.11ac WiFi (80MHz, MCS7, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10634 | AAC | IEEE 802.11ac WiFi (80MHz, MCS8, 90pc dc) | WLAN | 8.80 | ± 9.6 % |
| 10635 | AAC | IEEE 802.11ac WiFi (80MHz, MCS9, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10636 | AAC | IEEE 802.11ac WiFi (160MHz, MCS0, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10637 | AAC | IEEE 802.11ac WiFi (160MHz, MCS1, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10638 | AAC | IEEE 802.11ac WiFi (160MHz, MCS2, 90pc dc) | WLAN | 8.86 | ± 9.6 % |
| 10639 | AAC | IEEE 802.11ac WiFi (160MHz, MCS3, 90pc dc) | WLAN | 8.85 | ± 9.6 % |
| 10640 | AAC | IEEE 802.11ac WiFi (160MHz, MCS4, 90pc dc) | WLAN | 8.98 | ± 9.6 % |
| 10641 | AAC | IEEE 802.11ac WiFi (160MHz, MCS5, 90pc dc) | WLAN | 9.06 | ± 9.6 % |
| 10642 | AAC | IEEE 802.11ac WiFi (160MHz, MCS6, 90pc dc) | WLAN | 9.06 | ± 9.6 % |
| 10643 | AAC | IEEE 802.11ac WiFi (160MHz, MCS7, 90pc dc) | WLAN | 8.89 | ± 9.6 % |
| 10644 | AAC | IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc) | WLAN | 9.05 | ± 9.6 % |
| 10645 | AAC | IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc) | WLAN | 9.11 | ± 9.6 % |
| 10646 | AAC | LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10647 | AAC | LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub=2,7) | LTE-TDD | 11.96 | ± 9.6 % |
| 10648 | AAC | CDMA2000 (1x Advanced) | CDMA2000 | 3.45 | ± 9.6 % |
| 10652 | AAC | LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.91 | ± 9.6 % |
| 10653 | AAC | LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.42 | ± 9.6 % |
| 10654 | AAC | LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 6.96 | ± 9.6 % |
| 10655 | AAC | LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%) | LTE-TDD | 7.21 | ± 9.6 % |
| 10658 | AAC | Pulse Waveform (200Hz, 10%) | Test | 10.00 | ± 9.6 % |
| 10659 | AAC | Pulse Waveform (200Hz, 20%) | Test | 6.99 | ± 9.6 % |
| 10660 | AAC | Pulse Waveform (200Hz, 40%) | Test | 3.98 | ± 9.6 % |
| 10661 | AAC | Pulse Waveform (200Hz, 60%) | Test | 2.22 | ± 9.6 % |
| 10662 | AAC | Pulse Waveform (200Hz, 80%) | Test | 0.97 | ± 9.6 % |
| 10670 | AAC | Bluetooth Low Energy | Bluetooth | 2.19 | ± 9.6 % |
| 10671 | AAD | IEEE 802.11ax (20MHz, MCS0, 90pc dc) | WLAN | 9.09 | ± 9.6 % |

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|---|---|---|---|---|---|
| 10672 | AAD | IEEE 802.11ax (20MHz, MCS1, 90pc dc) | WLAN | 8.57 | ± 9.6 % |
| 10673 | AAD | IEEE 802.11ax (20MHz, MCS2, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10674 | AAD | IEEE 802.11ax (20MHz, MCS3, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10675 | AAD | IEEE 802.11ax (20MHz, MCS4, 90pc dc) | WLAN | 8.90 | ± 9.6 % |
| 10676 | AAD | IEEE 802.11ax (20MHz, MCS5, 90pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10677 | AAD | IEEE 802.11ax (20MHz, MCS6, 90pc dc) | WLAN | 8.73 | ± 9.6 % |
| 10678 | AAD | IEEE 802.11ax (20MHz, MCS7, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10679 | AAD | IEEE 802.11ax (20MHz, MCS8, 90pc dc) | WLAN | 8.89 | ± 9.6 % |
| 10680 | AAD | IEEE 802.11ax (20MHz, MCS9, 90pc dc) | WLAN | 8.80 | ± 9.6 % |
| 10681 | AAG | IEEE 802.11ax (20MHz, MCS10, 90pc dc) | WLAN | 8.62 | ± 9.6 % |
| 10682 | AAF | IEEE 802.11ax (20MHz, MCS11, 90pc dc) | WLAN | 8.83 | ± 9.6 % |
| 10683 | AAA | IEEE 802.11ax (20MHz, MCS0, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10684 | AAC | IEEE 802.11ax (20MHz, MCS1, 99pc dc) | WLAN | 8.26 | ± 9.6 % |
| 10685 | AAC | IEEE 802.11ax (20MHz, MCS2, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| 10686 | AAC | IEEE 802.11ax (20MHz, MCS3, 99pc dc) | WLAN | 8.28 | ± 9.6 % |
| 10687 | AAE | IEEE 802.11ax (20MHz, MCS4, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10688 | AAE | IEEE 802.11ax (20MHz, MCS5, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10689 | AAD | IEEE 802.11ax (20MHz, MCS6, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10690 | AAE | IEEE 802.11ax (20MHz, MCS7, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10691 | AAB | IEEE 802.11ax (20MHz, MCS8, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10692 | AAA | IEEE 802.11ax (20MHz, MCS9, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10693 | AAA | IEEE 802.11ax (20MHz, MCS10, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10694 | AAA | IEEE 802.11ax (20MHz, MCS11, 99pc dc) | WLAN | 8.57 | ± 9.6 % |
| 10695 | AAA | IEEE 802.11ax (40MHz, MCS0, 90pc dc) | WLAN | 8.78 | ± 9.6 % |
| 10696 | AAA | IEEE 802.11ax (40MHz, MCS1, 90pc dc) | WLAN | 8.91 | ± 9.6 % |
| 10697 | AAA | IEEE 802.11ax (40MHz, MCS2, 90pc dc) | WLAN | 8.61 | ± 9.6 % |
| 10698 | AAA | IEEE 802.11ax (40MHz, MCS3, 90pc dc) | WLAN | 8.89 | ± 9.6 % |
| 10699 | AAA | IEEE 802.11ax (40MHz, MCS4, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10700 | AAA | IEEE 802.11ax (40MHz, MCS5, 90pc dc) | WLAN | 8.73 | ± 9.6 % |
| 10701 | AAA | IEEE 802.11ax (40MHz, MCS6, 90pc dc) | WLAN | 8.86 | ± 9.6 % |
| 10702 | AAA | IEEE 802.11ax (40MHz, MCS7, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10703 | AAA | IEEE 802.11ax (40MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10704 | AAA | IEEE 802.11ax (40MHz, MCS9, 90pc dc) | WLAN | 8.56 | ± 9.6 % |
| 10705 | AAA | IEEE 802.11ax (40MHz, MCS10, 90pc dc) | WLAN | 8.69 | ± 9.6 % |
| 10706 | AAC | IEEE 802.11ax (40MHz, MCS11, 90pc dc) | WLAN | 8.66 | ± 9.6 % |
| 10707 | AAC | IEEE 802.11ax (40MHz, MCS0, 99pc dc) | WLAN | 8.32 | ± 9.6 % |
| 10708 | AAC | IEEE 802.11ax (40MHz, MCS1, 99pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10709 | AAC | IEEE 802.11ax (40MHz, MCS2, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| 10710 | AAC | IEEE 802.11ax (40MHz, MCS3, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10711 | AAC | IEEE 802.11ax (40MHz, MCS4, 99pc dc) | WLAN | 8.39 | ± 9.6 % |
| 10712 | AAC | IEEE 802.11ax (40MHz, MCS5, 99pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10713 | AAC | IEEE 802.11ax (40MHz, MCS6, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| 10714 | AAC | IEEE 802.11ax (40MHz, MCS7, 99pc dc) | WLAN | 8.26 | ± 9.6 % |
| 10715 | AAC | IEEE 802.11ax (40MHz, MCS8, 99pc dc) | WLAN | 8.45 | ± 9.6 % |
| 10716 | AAC | IEEE 802.11ax (40MHz, MCS9, 99pc dc) | WLAN | 8.30 | ± 9.6 % |
| 10717 | AAC | IEEE 802.11ax (40MHz, MCS10, 99pc dc) | WLAN | 8.48 | ± 9.6 % |
| 10718 | AAC | IEEE 802.11ax (40MHz, MCS11, 99pc dc) | WLAN | 8.24 | ± 9.6 % |
| 10719 | AAC | IEEE 802.11ax (80MHz, MCS0, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10720 | AAC | IEEE 802.11ax (80MHz, MCS1, 90pc dc) | WLAN | 8.87 | ± 9.6 % |
| 10721 | AAC | IEEE 802.11ax (80MHz, MCS2, 90pc dc) | WLAN | 8.76 | ± 9.6 % |
| 10722 | AAC | IEEE 802.11ax (80MHz, MCS3, 90pc dc) | WLAN | 8.55 | ± 9.6 % |
| 10723 | AAC | IEEE 802.11ax (80MHz, MCS4, 90pc dc) | WLAN | 8.70 | ± 9.6 % |
| 10724 | AAC | IEEE 802.11ax (80MHz, MCS5, 90pc dc) | WLAN | 8.90 | ± 9.6 % |
| 10725 | AAC | IEEE 802.11ax (80MHz, MCS6, 90pc dc) | WLAN | 8.74 | ± 9.6 % |
| 10726 | AAC | IEEE 802.11ax (80MHz, MCS7, 90pc dc) | WLAN | 8.72 | ± 9.6 % |
| 10727 | AAC | IEEE 802.11ax (80MHz, MCS8, 90pc dc) | WLAN | 8.66 | ± 9.6 % |

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|---|---|---|---|---|---|
| 10728 | AAC | IEEE 802.11ax (80MHz, MCS9, 90pc dc) | WLAN | 8.65 | ± 9.6 % |
| 10729 | AAC | IEEE 802.11ax (80MHz, MCS10, 90pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10730 | AAC | IEEE 802.11ax (80MHz, MCS11, 90pc dc) | WLAN | 8.67 | ± 9.6 % |
| 10731 | AAC | IEEE 802.11ax (80MHz, MCS0, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10732 | AAC | IEEE 802.11ax (80MHz, MCS1, 99pc dc) | WLAN | 8.46 | ± 9.6 % |
| 10733 | AAC | IEEE 802.11ax (80MHz, MCS2, 99pc dc) | WLAN | 8.40 | ± 9.6 % |
| 10734 | AAC | IEEE 802.11ax (80MHz, MCS3, 99pc dc) | WLAN | 8.25 | ± 9.6 % |
| 10735 | AAC | IEEE 802.11ax (80MHz, MCS4, 99pc dc) | WLAN | 8.33 | ± 9.6 % |
| 10736 | AAC | IEEE 802.11ax (80MHz, MCS5, 99pc dc) | WLAN | 8.27 | ± 9.6 % |
| 10737 | AAC | IEEE 802.11ax (80MHz, MCS6, 99pc dc) | WLAN | 8.36 | ± 9.6 % |
| 10738 | AAC | IEEE 802.11ax (80MHz, MCS7, 99pc dc) | WLAN | 8.42 | ± 9.6 % |
| 10739 | AAC | IEEE 802.11ax (80MHz, MCS8, 99pc dc) | WLAN | 8.29 | ± 9.6 % |
| 10740 | AAC | IEEE 802.11ax (80MHz, MCS9, 99pc dc) | WLAN | 8.48 | ± 9.6 % |
| 10741 | AAC | IEEE 802.11ax (80MHz, MCS10, 99pc dc) | WLAN | 8.40 | ± 9.6 % |
| 10742 | AAC | IEEE 802.11ax (80MHz, MCS11, 99pc dc) | WLAN | 8.43 | ± 9.6 % |
| 10743 | AAC | IEEE 802.11ax (160MHz, MCS0, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10744 | AAC | IEEE 802.11ax (160MHz, MCS1, 90pc dc) | WLAN | 9.16 | ± 9.6 % |
| 10745 | AAC | IEEE 802.11ax (160MHz, MCS2, 90pc dc) | WLAN | 8.93 | ± 9.6 % |
| 10746 | AAC | IEEE 802.11ax (160MHz, MCS3, 90pc dc) | WLAN | 9.11 | ± 9.6 % |
| 10747 | AAC | IEEE 802.11ax (160MHz, MCS4, 90pc dc) | WLAN | 9.04 | ± 9.6 % |
| 10748 | AAC | IEEE 802.11ax (160MHz, MCS5, 90pc dc) | WLAN | 8.93 | ± 9.6 % |
| 10749 | AAC | IEEE 802.11ax (160MHz, MCS6, 90pc dc) | WLAN | 8.90 | ± 9.6 % |
| 10750 | AAC | IEEE 802.11ax (160MHz, MCS7, 90pc dc) | WLAN | 8.79 | ± 9.6 % |
| 10751 | AAC | IEEE 802.11ax (160MHz, MCS8, 90pc dc) | WLAN | 8.82 | ± 9.6 % |
| 10752 | AAC | IEEE 802.11ax (160MHz, MCS9, 90pc dc) | WLAN | 8.81 | ± 9.6 % |
| 10753 | AAC | IEEE 802.11ax (160MHz, MCS10, 90pc dc) | WLAN | 9.00 | ± 9.6 % |
| 10754 | AAC | IEEE 802.11ax (160MHz, MCS11, 90pc dc) | WLAN | 8.94 | ± 9.6 % |
| 10755 | AAC | IEEE 802.11ax (160MHz, MCS0, 99pc dc) | WLAN | 8.64 | ± 9.6 % |
| 10756 | AAC | IEEE 802.11ax (160MHz, MCS1, 99pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10757 | AAC | IEEE 802.11ax (160MHz, MCS2, 99pc dc) | WLAN | 8.77 | ± 9.6 % |
| 10758 | AAC | IEEE 802.11ax (160MHz, MCS3, 99pc dc) | WLAN | 8.69 | ± 9.6 % |
| 10759 | AAC | IEEE 802.11ax (160MHz, MCS4, 99pc dc) | WLAN | 8.58 | ± 9.6 % |
| 10760 | AAC | IEEE 802.11ax (160MHz, MCS5, 99pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10761 | AAC | IEEE 802.11ax (160MHz, MCS6, 99pc dc) | WLAN | 8.58 | ± 9.6 % |
| 10762 | AAC | IEEE 802.11ax (160MHz, MCS7, 99pc dc) | WLAN | 8.49 | ± 9.6 % |
| 10763 | AAC | IEEE 802.11ax (160MHz, MCS8, 99pc dc) | WLAN | 8.53 | ± 9.6 % |
| 10764 | AAC | IEEE 802.11ax (160MHz, MCS9, 99pc dc) | WLAN | 8.54 | ± 9.6 % |
| 10765 | AAC | IEEE 802.11ax (160MHz, MCS10, 99pc dc) | WLAN | 8.54 | ± 9.6 % |
| 10766 | AAC | IEEE 802.11ax (160MHz, MCS11, 99pc dc) | WLAN | 8.51 | ± 9.6 % |
| 10767 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 7.99 | ± 9.6 % |
| 10768 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10769 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10770 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10771 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10772 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.23 | ± 9.6 % |
| 10773 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.03 | ± 9.6 % |
| 10774 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.02 | ± 9.6 % |
| 10775 | AAC | 5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 | ± 9.6 % |
| 10776 | AAC | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10777 | AAC | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10778 | AAC | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10779 | AAC | 5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10780 | AAC | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10781 | AAC | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.38 | ± 9.6 % |
| 10782 | AAC | 5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10783 | AAC | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.31 | ± 9.6 % |

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|---|---|---|---|---|---|
| 10784 | AAC | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.29 | ± 9.6 % |
| 10785 | AAC | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10786 | AAC | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10787 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.44 | ± 9.6 % |
| 10788 | AAC | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10789 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10790 | AAC | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10791 | AAC | 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.83 | ± 9.6 % |
| 10792 | AAC | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.92 | ± 9.6 % |
| 10793 | AAC | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.95 | ± 9.6 % |
| 10794 | AAC | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ± 9.6 % |
| 10795 | AAC | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.84 | ± 9.6 % |
| 10796 | AAC | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.82 | ± 9.6 % |
| 10797 | AAC | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.01 | ± 9.6 % |
| 10798 | AAC | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10799 | AAC | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | ± 9.6 % |
| 10801 | AAC | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.89 | ± 9.6 % |
| 10802 | AAC | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.87 | ± 9.6 % |
| 10803 | AAE | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 7.93 | ± 9.6 % |
| 10805 | AAD | 5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10806 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10809 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10810 | AAD | 5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10812 | AAD | 5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10817 | AAD | 5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10818 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10819 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.33 | ± 9.6 % |
| 10820 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.30 | ± 9.6 % |
| 10821 | AAC | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10822 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10823 | AAC | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10824 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.39 | ± 9.6 % |
| 10825 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10827 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.42 | ± 9.6 % |
| 10828 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.43 | ± 9.6 % |
| 10829 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10830 | AAD | 5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.63 | ± 9.6 % |
| 10831 | AAD | 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.73 | ± 9.6 % |
| 10832 | AAD | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.74 | ± 9.6 % |
| 10833 | AAD | 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10834 | AAD | 5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.75 | ± 9.6 % |
| 10835 | AAD | 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10836 | AAE | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.66 | ± 9.6 % |
| 10837 | AAD | 5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.68 | ± 9.6 % |
| 10839 | AAD | 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.70 | ± 9.6 % |
| 10840 | AAD | 5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.67 | ± 9.6 % |
| 10841 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 7.71 | ± 9.6 % |
| 10843 | AAD | 5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.49 | ± 9.6 % |
| 10844 | AAD | 5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10846 | AAD | 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10854 | AAD | 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |
| 10855 | AAD | 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10856 | AAD | 5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10857 | AAD | 5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.35 | ± 9.6 % |
| 10858 | AAD | 5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.36 | ± 9.6 % |
| 10859 | AAD | 5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.34 | ± 9.6 % |

| | | | | | |
|---|---|---|---|---|---|
| 10860 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10861 | AAD | 5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.40 | ± 9.6 % |
| 10863 | AAD | 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10864 | AAE | 5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.37 | ± 9.6 % |
| 10865 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz) | 5G NR FR1 TDD | 8.41 | ± 9.6 % |
| 10866 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10868 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.89 | ± 9.6 % |
| 10869 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10870 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.86 | ± 9.6 % |
| 10871 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10872 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.52 | ± 9.6 % |
| 10873 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| 10874 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10875 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10876 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.39 | ± 9.6 % |
| 10877 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 7.95 | ± 9.6 % |
| 10878 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10879 | AAD | 5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.12 | ± 9.6 % |
| 10880 | AAD | 5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.38 | ± 9.6 % |
| 10881 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.75 | ± 9.6 % |
| 10882 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 5.96 | ± 9.6 % |
| 10883 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.57 | ± 9.6 % |
| 10884 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 6.53 | ± 9.6 % |
| 10885 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.61 | ± 9.6 % |
| 10886 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 6.65 | ± 9.6 % |
| 10887 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 7.78 | ± 9.6 % |
| 10888 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) | 5G NR FR2 TDD | 8.35 | ± 9.6 % |
| 10889 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.02 | ± 9.6 % |
| 10890 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) | 5G NR FR2 TDD | 8.40 | ± 9.6 % |
| 10891 | AAD | 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.13 | ± 9.6 % |
| 10892 | AAD | 5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) | 5G NR FR2 TDD | 8.41 | ± 9.6 % |
| 10897 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.66 | ± 9.6 % |
| 10898 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10899 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.67 | ± 9.6 % |
| 10900 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10901 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10902 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10903 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10904 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10905 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10906 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.68 | ± 9.6 % |
| 10907 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.78 | ± 9.6 % |
| 10908 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10909 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.96 | ± 9.6 % |
| 10910 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10911 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.93 | ± 9.6 % |
| 10912 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10913 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10914 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.85 | ± 9.6 % |
| 10915 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.83 | ± 9.6 % |
| 10916 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10917 | AAD | 5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10918 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10919 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.86 | ± 9.6 % |
| 10920 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.87 | ± 9.6 % |
| 10921 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |

| | | | | | |
|---|---|---|---|---|---|
| 10922 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.82 | ± 9.6 % |
| 10923 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10924 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10925 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.95 | ± 9.6 % |
| 10926 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.84 | ± 9.6 % |
| 10927 | AAD | 5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 5.94 | ± 9.6 % |
| 10928 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10929 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10930 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.52 | ± 9.6 % |
| 10931 | AAD | 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10932 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10933 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10934 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10935 | AAA | 5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.51 | ± 9.6 % |
| 10936 | AAC | 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10937 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.77 | ± 9.6 % |
| 10938 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.90 | ± 9.6 % |
| 10939 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.82 | ± 9.6 % |
| 10940 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.89 | ± 9.6 % |
| 10941 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10942 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| 10943 | AAB | 5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.95 | ± 9.6 % |
| 10944 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.81 | ± 9.6 % |
| 10945 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.85 | ± 9.6 % |
| 10946 | AAC | 5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.83 | ± 9.6 % |
| 10947 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| 10948 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10949 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.87 | ± 9.6 % |
| 10950 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.94 | ± 9.6 % |
| 10951 | AAB | 5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) | 5G NR FR1 FDD | 5.92 | ± 9.6 % |
| 10952 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.25 | ± 9.6 % |
| 10953 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.15 | ± 9.6 % |
| 10954 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.23 | ± 9.6 % |
| 10955 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 FDD | 8.42 | ± 9.6 % |
| 10956 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.14 | ± 9.6 % |
| 10957 | AAC | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.31 | ± 9.6 % |
| 10958 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.61 | ± 9.6 % |
| 10959 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 FDD | 8.33 | ± 9.6 % |
| 10960 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.32 | ± 9.6 % |
| 10961 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.36 | ± 9.6 % |
| 10962 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.40 | ± 9.6 % |
| 10963 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz) | 5G NR FR1 TDD | 9.55 | ± 9.6 % |
| 10964 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.29 | ± 9.6 % |
| 10965 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.37 | ± 9.6 % |
| 10966 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.55 | ± 9.6 % |
| 10967 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.42 | ± 9.6 % |
| 10968 | AAB | 5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) | 5G NR FR1 TDD | 9.49 | ± 9.6 % |
| 10972 | AAB | 5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) | 5G NR FR1 TDD | 11.59 | ± 9.6 % |
| 10973 | AAB | 5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) | 5G NR FR1 TDD | 9.06 | ± 9.6 % |
| 10974 | AAB | 5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) | 5G NR FR1 TDD | 10.28 | ± 9.6 % |

[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

# Appendix E. Conducted RF Output Power Table

The detailed power table are shown as follows.

## Conducted Full Power level/Default Power level/ Pmax Power Level for WWAN

### DSI2/DSI4

| GSM850_ANT 1 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|---|---|---|---|---|---|---|---|---|
| TX Channel | 128 | 189 | 251 | | 128 | 189 | 251 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | | 824.2 | 836.4 | 848.8 | |
| GSM 1 Tx slot | 32.19 | 32.08 | 31.94 | 33.50 | 23.19 | 23.08 | 22.94 | 24.50 |
| GPRS 1 Tx slot | 32.16 | 32.05 | 31.91 | 33.50 | 23.16 | 23.05 | 22.91 | 24.50 |
| GPRS 2 Tx slots | 31.49 | 31.30 | 31.12 | 32.50 | 25.49 | 25.30 | 25.12 | 26.50 |
| GPRS 3 Tx slots | 29.53 | 29.25 | 29.03 | 31.00 | 25.27 | 24.99 | 24.77 | 26.74 |
| GPRS 4 Tx slots | 28.18 | 28.36 | 28.27 | 29.50 | 25.18 | 25.36 | 25.27 | 26.50 |
| EDGE 1 Tx slot | 26.10 | 26.01 | 25.82 | 27.00 | 17.10 | 17.01 | 16.82 | 18.00 |
| EDGE 2 Tx slots | 25.94 | 25.98 | 25.75 | 26.50 | 19.94 | 19.98 | 19.75 | 20.50 |
| EDGE 3 Tx slots | 24.05 | 24.02 | 23.71 | 25.00 | 19.79 | 19.76 | 19.45 | 20.74 |
| EDGE 4 Tx slots | 22.99 | 22.92 | 22.81 | 24.00 | 19.99 | 19.92 | 19.81 | 21.00 |

### DSI2/DSI4

| GSM1900_ANT 1 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|---|---|---|---|---|---|---|---|---|
| TX Channel | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | | 1850.2 | 1880 | 1909.8 | |
| GSM 1 Tx slot | 29.17 | 29.41 | 29.23 | 30.50 | 20.17 | 20.41 | 20.23 | 21.50 |
| GPRS 1 Tx slot | 29.16 | 29.40 | 29.20 | 30.50 | 20.16 | 20.40 | 20.20 | 21.50 |
| GPRS 2 Tx slots | 28.38 | 28.65 | 28.45 | 30.00 | 22.38 | 22.65 | 22.45 | 24.00 |
| GPRS 3 Tx slots | 25.63 | 25.66 | 25.47 | 27.00 | 21.37 | 21.40 | 21.21 | 22.74 |
| GPRS 4 Tx slots | 24.52 | 24.75 | 24.56 | 26.50 | 21.52 | 21.75 | 21.56 | 23.50 |
| EDGE 1 Tx slot | 25.14 | 25.24 | 25.18 | 26.50 | 16.14 | 16.24 | 16.18 | 17.50 |
| EDGE 2 Tx slots | 24.10 | 24.12 | 24.17 | 25.50 | 18.10 | 18.12 | 18.17 | 19.50 |
| EDGE 3 Tx slots | 21.93 | 22.32 | 22.14 | 23.50 | 17.67 | 18.06 | 17.88 | 19.24 |
| EDGE 4 Tx slots | 20.89 | 21.19 | 20.97 | 22.50 | 17.89 | 18.19 | 17.97 | 19.50 |

| | | DSI2/DSI4 | | | | DSI2/DSI4 | | | | DSI2/DSI4/DSI7 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Band | | WCDMA II_ANT 1 | | | Tune-up Limit (dBm) | WCDMA IV_ANT 1 | | | Tune-up Limit (dBm) | WCDMA V_ANT 1 | | | Tune-up Limit (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 | AMR 12.2Kbps | 22.96 | 23.06 | 23.08 | 24.00 | 23.01 | 23.16 | 22.88 | 24.00 | 22.87 | 22.81 | 22.95 | 24.00 |
| 3GPP Rel 99 | RMC 12.2Kbps | 22.97 | 23.08 | 23.10 | 24.00 | 23.02 | 23.19 | 22.91 | 24.00 | 22.89 | 22.83 | 22.98 | 24.00 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 21.94 | 22.13 | 22.12 | 23.00 | 22.02 | 22.20 | 21.93 | 23.00 | 21.92 | 21.82 | 21.95 | 23.00 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 21.93 | 22.16 | 22.14 | 23.00 | 22.01 | 22.16 | 21.91 | 23.00 | 21.86 | 21.83 | 21.96 | 23.00 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 21.47 | 21.62 | 21.60 | 22.50 | 21.53 | 21.72 | 21.39 | 22.50 | 21.43 | 21.36 | 21.44 | 22.50 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 21.44 | 21.60 | 21.62 | 22.50 | 21.47 | 21.67 | 21.40 | 22.50 | 21.40 | 21.31 | 21.46 | 22.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 21.85 | 22.07 | 22.14 | 23.00 | 22.04 | 22.17 | 21.93 | 23.00 | 21.96 | 21.96 | 22.11 | 23.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 21.90 | 22.18 | 22.12 | 23.00 | 21.92 | 22.18 | 21.86 | 23.00 | 21.90 | 21.94 | 22.08 | 23.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 21.49 | 21.55 | 21.64 | 22.50 | 21.42 | 21.71 | 21.48 | 22.50 | 21.60 | 21.40 | 21.72 | 22.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 21.41 | 21.66 | 21.63 | 22.50 | 21.53 | 21.68 | 21.39 | 22.50 | 21.59 | 21.48 | 21.69 | 22.50 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 22.00 | 22.22 | 22.13 | 23.00 | 22.01 | 22.23 | 21.90 | 23.00 | 21.87 | 21.82 | 21.90 | 23.00 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 20.02 | 20.15 | 20.13 | 21.00 | 20.03 | 20.22 | 19.90 | 21.00 | 19.87 | 19.79 | 19.88 | 21.00 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 21.00 | 21.23 | 21.20 | 22.00 | 21.05 | 21.17 | 20.90 | 22.00 | 20.86 | 20.82 | 20.88 | 22.00 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 20.00 | 20.14 | 20.11 | 21.00 | 20.02 | 20.17 | 19.94 | 21.00 | 19.93 | 19.80 | 19.90 | 21.00 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 22.00 | 22.10 | 22.10 | 23.00 | 22.10 | 22.20 | 21.90 | 23.00 | 21.90 | 21.80 | 21.90 | 23.00 |

## Band 2 (1900MHz Band)
## Part 24E_ANT 1(DSI2/DSI4)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 18700 | 18900 | 19100 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 | | |
| 20 | QPSK | 1 | 0 | 22.46 | 22.64 | 22.68 | 24 | 0 |
| 20 | QPSK | 1 | 49 | 22.59 | 22.66 | 22.73 | | |
| 20 | QPSK | 1 | 99 | 22.43 | 22.62 | 22.67 | | |
| 20 | QPSK | 50 | 0 | 21.58 | 21.65 | 21.75 | 23 | 1 |
| 20 | QPSK | 50 | 24 | 21.69 | 21.76 | 21.81 | | |
| 20 | QPSK | 50 | 50 | 21.62 | 21.74 | 21.79 | | |
| 20 | QPSK | 100 | 0 | 21.62 | 21.71 | 21.75 | | |
| 20 | 16QAM | 1 | 0 | 21.94 | 22.00 | 22.11 | 23 | 1 |
| 20 | 16QAM | 1 | 49 | 21.81 | 22.07 | 22.04 | | |
| 20 | 16QAM | 1 | 99 | 21.79 | 22.10 | 21.92 | | |
| 20 | 16QAM | 50 | 0 | 20.52 | 20.68 | 20.74 | 22 | 2 |
| 20 | 16QAM | 50 | 24 | 20.66 | 20.73 | 20.80 | | |
| 20 | 16QAM | 50 | 50 | 20.66 | 20.81 | 20.82 | | |
| 20 | 16QAM | 100 | 0 | 20.59 | 20.68 | 20.71 | | |
| 20 | 64QAM | 1 | 0 | 20.84 | 20.86 | 20.94 | 22 | 2 |
| 20 | 64QAM | 1 | 49 | 20.62 | 20.90 | 20.86 | | |
| 20 | 64QAM | 1 | 99 | 20.75 | 20.94 | 20.77 | | |
| 20 | 64QAM | 50 | 0 | 19.56 | 19.70 | 19.78 | 21 | 3 |
| 20 | 64QAM | 50 | 24 | 19.68 | 19.80 | 19.84 | | |
| 20 | 64QAM | 50 | 50 | 19.63 | 19.81 | 19.83 | | |
| 20 | 64QAM | 100 | 0 | 19.63 | 19.69 | 19.77 | | |
| Channel | | | | 18675 | 18900 | 19125 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 | | |
| 15 | QPSK | 1 | 0 | 22.53 | 22.69 | 22.71 | 24 | 0 |
| 15 | QPSK | 1 | 37 | 22.55 | 22.70 | 22.64 | | |
| 15 | QPSK | 1 | 74 | 22.46 | 22.63 | 22.67 | | |
| 15 | QPSK | 36 | 0 | 21.57 | 21.73 | 21.76 | 23 | 1 |
| 15 | QPSK | 36 | 20 | 21.68 | 21.80 | 21.88 | | |
| 15 | QPSK | 36 | 39 | 21.66 | 21.83 | 21.84 | | |
| 15 | QPSK | 75 | 0 | 21.66 | 21.72 | 21.78 | | |
| 15 | 16QAM | 1 | 0 | 21.86 | 22.00 | 22.03 | 23 | 1 |
| 15 | 16QAM | 1 | 37 | 21.87 | 22.09 | 22.05 | | |
| 15 | 16QAM | 1 | 74 | 21.71 | 22.14 | 21.94 | | |
| 15 | 16QAM | 36 | 0 | 20.59 | 20.73 | 20.75 | 22 | 2 |
| 15 | 16QAM | 36 | 20 | 20.68 | 20.78 | 20.89 | | |
| 15 | 16QAM | 36 | 39 | 20.65 | 20.86 | 20.87 | | |
| 15 | 16QAM | 75 | 0 | 20.66 | 20.75 | 20.77 | | |
| 15 | 64QAM | 1 | 0 | 21.65 | 21.86 | 21.96 | 22 | 2 |
| 15 | 64QAM | 1 | 37 | 21.68 | 21.88 | 21.84 | | |
| 15 | 64QAM | 1 | 74 | 21.56 | 21.98 | 21.84 | | |
| 15 | 64QAM | 36 | 0 | 20.56 | 20.70 | 20.75 | 21 | 3 |
| 15 | 64QAM | 36 | 20 | 20.67 | 20.76 | 20.89 | | |
| 15 | 64QAM | 36 | 39 | 20.63 | 20.86 | 20.83 | | |
| 15 | 64QAM | 75 | 0 | 20.64 | 20.74 | 20.76 | | |
| Channel | | | | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 | | |
| 10 | QPSK | 1 | 0 | 22.35 | 22.52 | 22.63 | 24 | 0 |
| 10 | QPSK | 1 | 25 | 22.54 | 22.64 | 22.61 | | |
| 10 | QPSK | 1 | 49 | 22.33 | 22.55 | 22.68 | | |
| 10 | QPSK | 25 | 0 | 21.69 | 21.74 | 21.76 | 23 | 1 |
| 10 | QPSK | 25 | 12 | 21.78 | 21.84 | 21.84 | | |
| 10 | QPSK | 25 | 25 | 21.62 | 21.82 | 21.77 | | |
| 10 | QPSK | 50 | 0 | 21.65 | 21.76 | 21.75 | | |
| 10 | 16QAM | 1 | 0 | 21.64 | 21.84 | 22.06 | 23 | 1 |
| 10 | 16QAM | 1 | 25 | 21.96 | 22.09 | 22.04 | | |
| 10 | 16QAM | 1 | 49 | 21.76 | 21.87 | 22.12 | | |
| 10 | 16QAM | 25 | 0 | 20.71 | 20.80 | 20.79 | 22 | 2 |
| 10 | 16QAM | 25 | 12 | 20.78 | 20.89 | 20.87 | | |
| 10 | 16QAM | 25 | 25 | 20.65 | 20.82 | 20.78 | | |
| 10 | 16QAM | 50 | 0 | 20.68 | 20.76 | 20.74 | | |
| 10 | 64QAM | 1 | 0 | 20.71 | 20.68 | 20.79 | 22 | 2 |
| 10 | 64QAM | 1 | 25 | 21.03 | 21.13 | 21.09 | | |
| 10 | 64QAM | 1 | 49 | 20.69 | 20.82 | 20.99 | | |
| 10 | 64QAM | 25 | 0 | 19.70 | 19.76 | 19.79 | 21 | 3 |
| 10 | 64QAM | 25 | 12 | 19.82 | 19.87 | 19.92 | | |
| 10 | 64QAM | 25 | 25 | 19.65 | 19.80 | 19.82 | | |
| 10 | 64QAM | 50 | 0 | 19.69 | 19.78 | 19.78 | | |
| Channel | | | | 18625 | 18900 | 19175 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 | | |
| 5 | QPSK | 1 | 0 | 22.69 | 22.62 | 22.59 | 24 | 0 |
| 5 | QPSK | 1 | 12 | 22.70 | 22.61 | 22.63 | | |
| 5 | QPSK | 1 | 24 | 22.53 | 22.72 | 22.62 | | |
| 5 | QPSK | 12 | 0 | 21.81 | 21.87 | 21.90 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 21.84 | 21.96 | 21.90 | | |
| 5 | QPSK | 12 | 13 | 21.73 | 21.86 | 21.79 | | |
| 5 | QPSK | 25 | 0 | 21.81 | 21.85 | 21.82 | | |
| 5 | 16QAM | 1 | 0 | 22.05 | 22.10 | 22.09 | 23 | 1 |
| 5 | 16QAM | 1 | 12 | 22.06 | 22.15 | 22.07 | | |
| 5 | 16QAM | 1 | 24 | 21.90 | 22.07 | 21.93 | | |
| 5 | 16QAM | 12 | 0 | 20.88 | 20.90 | 20.91 | 22 | 2 |
| 5 | 16QAM | 12 | 7 | 20.88 | 20.99 | 20.92 | | |
| 5 | 16QAM | 12 | 13 | 20.73 | 20.88 | 20.82 | | |
| 5 | 16QAM | 25 | 0 | 20.76 | 20.86 | 20.84 | | |
| 5 | 64QAM | 1 | 0 | 20.92 | 21.12 | 21.08 | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 20.98 | 21.10 | 21.04 | | |
| 5 | 64QAM | 1 | 24 | 20.84 | 20.97 | 20.88 | | |
| 5 | 64QAM | 12 | 0 | 19.86 | 19.91 | 19.96 | 21 | 3 |
| 5 | 64QAM | 12 | 7 | 19.86 | 20.01 | 19.98 | | |
| 5 | 64QAM | 12 | 13 | 19.74 | 19.92 | 19.86 | | |
| 5 | 64QAM | 25 | 0 | 19.77 | 19.85 | 19.84 | | |
| Channel | | | | 18615 | 18900 | 19185 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 | | |
| 3 | QPSK | 1 | 0 | 22.63 | 22.70 | 22.70 | 24 | 0 |
| 3 | QPSK | 1 | 8 | 22.71 | 22.64 | 22.63 | | |
| 3 | QPSK | 1 | 14 | 22.46 | 22.65 | 22.65 | | |
| 3 | QPSK | 8 | 0 | 21.74 | 21.79 | 21.79 | 23 | 1 |
| 3 | QPSK | 8 | 4 | 21.71 | 21.86 | 21.86 | | |
| 3 | QPSK | 8 | 7 | 21.65 | 21.77 | 21.77 | | |
| 3 | QPSK | 15 | 0 | 21.69 | 21.70 | 21.70 | | |
| 3 | 16QAM | 1 | 0 | 21.92 | 22.03 | 22.03 | 23 | 1 |
| 3 | 16QAM | 1 | 8 | 22.04 | 22.11 | 22.11 | | |
| 3 | 16QAM | 1 | 14 | 21.90 | 22.00 | 22.00 | | |
| 3 | 16QAM | 8 | 0 | 20.82 | 20.83 | 20.83 | 22 | 2 |
| 3 | 16QAM | 8 | 4 | 20.78 | 20.87 | 20.87 | | |
| 3 | 16QAM | 8 | 7 | 20.71 | 20.82 | 20.82 | | |
| 3 | 16QAM | 15 | 0 | 20.75 | 20.79 | 20.79 | | |
| 3 | 64QAM | 1 | 0 | 20.83 | 20.92 | 20.92 | 22 | 2 |
| 3 | 64QAM | 1 | 8 | 20.87 | 21.05 | 21.05 | | |
| 3 | 64QAM | 1 | 14 | 20.84 | 20.89 | 20.89 | | |
| 3 | 64QAM | 8 | 0 | 19.75 | 19.82 | 19.82 | 21 | 3 |
| 3 | 64QAM | 8 | 4 | 19.79 | 19.88 | 19.88 | | |
| 3 | 64QAM | 8 | 7 | 19.69 | 19.80 | 19.80 | | |
| 3 | 64QAM | 15 | 0 | 19.72 | 19.77 | 19.77 | | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.71 | 22.65 | 22.59 | 24 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.58 | 22.68 | 22.62 | | |
| 1.4 | QPSK | 1 | 5 | 22.41 | 22.63 | 22.54 | | |
| 1.4 | QPSK | 3 | 0 | 22.64 | 22.69 | 22.61 | | |
| 1.4 | QPSK | 3 | 1 | 22.61 | 22.68 | 22.63 | | |
| 1.4 | QPSK | 3 | 3 | 22.54 | 22.61 | 22.63 | | |
| 1.4 | QPSK | 6 | 0 | 21.62 | 21.72 | 21.65 | 23 | 1 |
| 1.4 | 16QAM | 1 | 0 | 21.94 | 22.10 | 21.82 | 23 | 1 |
| 1.4 | 16QAM | 1 | 3 | 21.73 | 22.09 | 22.17 | | |
| 1.4 | 16QAM | 1 | 5 | 21.69 | 21.69 | 21.74 | | |
| 1.4 | 16QAM | 3 | 0 | 21.57 | 21.76 | 21.73 | | |
| 1.4 | 16QAM | 3 | 1 | 21.90 | 21.81 | 21.61 | | |
| 1.4 | 16QAM | 3 | 3 | 21.76 | 21.83 | 21.58 | | |
| 1.4 | 16QAM | 6 | 0 | 20.73 | 20.77 | 20.73 | 22 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.49 | 20.79 | 20.65 | 22 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.63 | 20.84 | 20.70 | | |
| 1.4 | 64QAM | 1 | 5 | 20.98 | 20.75 | 20.74 | | |
| 1.4 | 64QAM | 3 | 0 | 20.99 | 20.86 | 20.89 | | |
| 1.4 | 64QAM | 3 | 1 | 20.85 | 21.00 | 20.93 | | |
| 1.4 | 64QAM | 3 | 3 | 20.74 | 21.04 | 20.71 | | |
| 1.4 | 64QAM | 6 | 0 | 19.73 | 19.77 | 19.66 | 21 | 3 |

## Band 4 (AWS Band)
## Part 27L (only on channel required)_ANT 1(DSI2/DSI4)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 20050 | 20175 | 20300 | | |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 | | |
| 20 | QPSK | 1 | 0 | 22.34 | 22.46 | 22.43 | 24 | 0 |
| 20 | QPSK | 1 | 49 | 22.54 | 22.66 | 22.58 | | |
| 20 | QPSK | 1 | 99 | 22.28 | 22.35 | 22.32 | | |
| 20 | QPSK | 50 | 0 | 21.53 | 21.70 | 21.68 | 23 | 1 |
| 20 | QPSK | 50 | 24 | 21.68 | 21.75 | 21.73 | | |
| 20 | QPSK | 50 | 50 | 21.56 | 21.61 | 21.58 | | |
| 20 | QPSK | 100 | 0 | 21.57 | 21.63 | 21.61 | | |
| 20 | 16QAM | 1 | 0 | 21.67 | 21.77 | 21.87 | 23 | 1 |
| 20 | 16QAM | 1 | 49 | 21.88 | 22.01 | 21.96 | | |
| 20 | 16QAM | 1 | 99 | 21.56 | 21.64 | 21.61 | | |
| 20 | 16QAM | 50 | 0 | 20.56 | 20.68 | 20.70 | 22 | 2 |
| 20 | 16QAM | 50 | 24 | 20.73 | 20.74 | 20.75 | | |
| 20 | 16QAM | 50 | 50 | 20.62 | 20.62 | 20.65 | | |
| 20 | 16QAM | 100 | 0 | 20.64 | 20.64 | 20.67 | | |
| 20 | 64QAM | 1 | 0 | 20.51 | 20.69 | 20.74 | 22 | 2 |
| 20 | 64QAM | 1 | 49 | 20.76 | 20.89 | 20.86 | | |
| 20 | 64QAM | 1 | 99 | 20.48 | 20.52 | 20.44 | | |
| 20 | 64QAM | 50 | 0 | 19.59 | 19.69 | 19.70 | 21 | 3 |
| 20 | 64QAM | 50 | 24 | 19.75 | 19.76 | 19.74 | | |
| 20 | 64QAM | 50 | 50 | 19.68 | 19.64 | 19.59 | | |
| 20 | 64QAM | 100 | 0 | 19.66 | 19.68 | 19.65 | | |
| Channel | | | | 20025 | 20175 | 20325 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1732.5 | 1747.5 | | |
| 15 | QPSK | 1 | 0 | 22.38 | 22.50 | 22.44 | 24 | 0 |
| 15 | QPSK | 1 | 37 | 22.54 | 22.59 | 22.51 | | |
| 15 | QPSK | 1 | 74 | 22.41 | 22.46 | 22.28 | | |
| 15 | QPSK | 36 | 0 | 21.55 | 21.66 | 21.60 | 23 | 1 |
| 15 | QPSK | 36 | 20 | 21.67 | 21.70 | 21.66 | | |
| 15 | QPSK | 36 | 39 | 21.63 | 21.63 | 21.48 | | |
| 15 | QPSK | 75 | 0 | 21.62 | 21.65 | 21.60 | | |
| 15 | 16QAM | 1 | 0 | 21.84 | 21.89 | 21.82 | 23 | 1 |
| 15 | 16QAM | 1 | 37 | 21.97 | 22.01 | 21.90 | | |
| 15 | 16QAM | 1 | 74 | 21.79 | 21.83 | 21.63 | | |
| 15 | 16QAM | 36 | 0 | 20.57 | 20.66 | 20.63 | 22 | 2 |
| 15 | 16QAM | 36 | 20 | 20.68 | 20.69 | 20.63 | | |
| 15 | 16QAM | 36 | 39 | 20.64 | 20.62 | 20.51 | | |
| 15 | 16QAM | 75 | 0 | 20.63 | 20.65 | 20.60 | | |
| 15 | 64QAM | 1 | 0 | 20.62 | 20.65 | 20.66 | 22 | 2 |
| 15 | 64QAM | 1 | 37 | 20.84 | 20.94 | 20.85 | | |
| 15 | 64QAM | 1 | 74 | 20.70 | 20.61 | 20.56 | | |
| 15 | 64QAM | 36 | 0 | 19.56 | 19.69 | 19.63 | 21 | 3 |
| 15 | 64QAM | 36 | 20 | 19.69 | 19.71 | 19.66 | | |
| 15 | 64QAM | 36 | 39 | 19.64 | 19.66 | 19.52 | | |
| 15 | 64QAM | 75 | 0 | 19.64 | 19.66 | 19.60 | | |
| Channel | | | | 20000 | 20175 | 20350 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1732.5 | 1750 | | |
| 10 | QPSK | 1 | 0 | 22.28 | 22.34 | 22.31 | 24 | 0 |
| 10 | QPSK | 1 | 25 | 22.56 | 22.56 | 22.51 | | |
| 10 | QPSK | 1 | 49 | 22.22 | 22.31 | 22.31 | | |
| 10 | QPSK | 25 | 0 | 21.59 | 21.62 | 21.58 | 23 | 1 |
| 10 | QPSK | 25 | 12 | 21.69 | 21.69 | 21.65 | | |
| 10 | QPSK | 25 | 25 | 21.55 | 21.57 | 21.50 | | |
| 10 | QPSK | 50 | 0 | 21.61 | 21.60 | 21.56 | | |
| 10 | 16QAM | 1 | 0 | 21.69 | 21.71 | 21.63 | 23 | 1 |
| 10 | 16QAM | 1 | 25 | 21.90 | 22.09 | 21.87 | | |
| 10 | 16QAM | 1 | 49 | 21.66 | 21.72 | 21.59 | | |
| 10 | 16QAM | 25 | 0 | 20.64 | 20.63 | 20.56 | 22 | 2 |
| 10 | 16QAM | 25 | 12 | 20.69 | 20.74 | 20.64 | | |
| 10 | 16QAM | 25 | 25 | 20.52 | 20.58 | 20.47 | | |
| 10 | 16QAM | 50 | 0 | 20.59 | 20.61 | 20.54 | | |
| 10 | 64QAM | 1 | 0 | 20.59 | 20.59 | 20.47 | 22 | 2 |
| 10 | 64QAM | 1 | 25 | 20.83 | 20.97 | 20.83 | | |
| 10 | 64QAM | 1 | 49 | 20.54 | 20.55 | 20.49 | | |
| 10 | 64QAM | 25 | 0 | 19.63 | 19.67 | 19.58 | 21 | 3 |
| 10 | 64QAM | 25 | 12 | 19.70 | 19.77 | 19.64 | | |
| 10 | 64QAM | 25 | 25 | 19.56 | 19.59 | 19.49 | | |
| 10 | 64QAM | 50 | 0 | 19.60 | 19.64 | 19.55 | | |
| Channel | | | | 19975 | 20175 | 20375 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1732.5 | 1752.5 | | |
| 5 | QPSK | 1 | 0 | 22.63 | 22.63 | 22.48 | 24 | 0 |
| 5 | QPSK | 1 | 12 | 22.63 | 22.64 | 22.52 | | |
| 5 | QPSK | 1 | 24 | 22.50 | 22.59 | 22.39 | | |
| 5 | QPSK | 12 | 0 | 21.74 | 21.79 | 21.59 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 21.74 | 21.75 | 21.62 | | |
| 5 | QPSK | 12 | 13 | 21.65 | 21.75 | 21.53 | | |
| 5 | QPSK | 25 | 0 | 21.66 | 21.73 | 21.54 | | |
| 5 | 16QAM | 1 | 0 | 21.93 | 21.92 | 21.81 | 23 | 1 |
| 5 | 16QAM | 1 | 12 | 21.93 | 22.02 | 21.79 | | |
| 5 | 16QAM | 1 | 24 | 21.86 | 21.93 | 21.73 | | |
| 5 | 16QAM | 12 | 0 | 20.76 | 20.78 | 20.63 | 22 | 2 |
| 5 | 16QAM | 12 | 7 | 20.75 | 20.83 | 20.64 | | |
| 5 | 16QAM | 12 | 13 | 20.66 | 20.78 | 20.54 | | |
| 5 | 16QAM | 25 | 0 | 20.66 | 20.73 | 20.55 | | |
| 5 | 64QAM | 1 | 0 | 20.84 | 20.90 | 20.79 | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 20.85 | 20.90 | 20.69 | | |
| 5 | 64QAM | 1 | 24 | 20.75 | 20.82 | 20.54 | | |
| 5 | 64QAM | 12 | 0 | 19.80 | 19.85 | 19.66 | 21 | 3 |
| 5 | 64QAM | 12 | 7 | 19.78 | 19.86 | 19.68 | | |
| 5 | 64QAM | 12 | 13 | 19.70 | 19.83 | 19.61 | | |
| 5 | 64QAM | 25 | 0 | 19.69 | 19.71 | 19.58 | | |
| Channel | | | | 19965 | 20175 | 20385 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1711.5 | 1732.5 | 1753.5 | | |
| 3 | QPSK | 1 | 0 | 22.63 | 22.63 | 22.51 | 24 | 0 |
| 3 | QPSK | 1 | 8 | 22.59 | 22.62 | 22.55 | | |
| 3 | QPSK | 1 | 14 | 22.58 | 22.63 | 22.45 | | |
| 3 | QPSK | 8 | 0 | 21.74 | 21.76 | 21.62 | 23 | 1 |
| 3 | QPSK | 8 | 4 | 21.72 | 21.75 | 21.62 | | |
| 3 | QPSK | 8 | 7 | 21.72 | 21.67 | 21.57 | | |
| 3 | QPSK | 15 | 0 | 21.71 | 21.72 | 21.56 | | |
| 3 | 16QAM | 1 | 0 | 21.97 | 22.06 | 21.86 | 23 | 1 |
| 3 | 16QAM | 1 | 8 | 21.97 | 22.09 | 21.83 | | |
| 3 | 16QAM | 1 | 14 | 21.90 | 21.96 | 21.77 | | |
| 3 | 16QAM | 8 | 0 | 20.77 | 20.78 | 20.64 | 22 | 2 |
| 3 | 16QAM | 8 | 4 | 20.77 | 20.88 | 20.63 | | |
| 3 | 16QAM | 8 | 7 | 20.75 | 20.84 | 20.57 | | |
| 3 | 16QAM | 15 | 0 | 20.76 | 20.74 | 20.61 | | |
| 3 | 64QAM | 1 | 0 | 20.86 | 20.92 | 20.73 | 22 | 2 |
| 3 | 64QAM | 1 | 8 | 20.93 | 20.99 | 20.70 | | |
| 3 | 64QAM | 1 | 14 | 20.84 | 20.90 | 20.64 | | |
| 3 | 64QAM | 8 | 0 | 19.82 | 19.80 | 19.68 | 21 | 3 |
| 3 | 64QAM | 8 | 4 | 19.81 | 19.91 | 19.67 | | |
| 3 | 64QAM | 8 | 7 | 19.75 | 19.86 | 19.67 | | |
| 3 | 64QAM | 15 | 0 | 19.76 | 19.76 | 19.61 | | |
| Channel | | | | 19957 | 20175 | 20393 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.52 | 22.63 | 22.23 | 24 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.61 | 22.64 | 22.51 | | |
| 1.4 | QPSK | 1 | 5 | 22.51 | 22.61 | 22.42 | | |
| 1.4 | QPSK | 3 | 0 | 22.57 | 22.59 | 22.39 | | |
| 1.4 | QPSK | 3 | 1 | 22.62 | 22.57 | 22.36 | | |
| 1.4 | QPSK | 3 | 3 | 22.58 | 22.57 | 22.35 | | |
| 1.4 | QPSK | 6 | 0 | 21.62 | 21.70 | 21.49 | 23 | 1 |
| 1.4 | 16QAM | 1 | 0 | 21.84 | 21.92 | 21.74 | 23 | 1 |
| 1.4 | 16QAM | 1 | 3 | 21.96 | 21.96 | 21.79 | | |
| 1.4 | 16QAM | 1 | 5 | 21.90 | 21.98 | 21.51 | | |
| 1.4 | 16QAM | 3 | 0 | 21.68 | 21.76 | 21.30 | | |
| 1.4 | 16QAM | 3 | 1 | 21.72 | 21.80 | 21.53 | | |
| 1.4 | 16QAM | 3 | 3 | 21.63 | 21.72 | 21.46 | | |
| 1.4 | 16QAM | 6 | 0 | 20.67 | 20.79 | 20.60 | 22 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.78 | 20.85 | 20.60 | 22 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.84 | 20.91 | 20.56 | | |
| 1.4 | 64QAM | 1 | 5 | 20.73 | 20.80 | 20.54 | | |
| 1.4 | 64QAM | 3 | 0 | 20.77 | 20.83 | 20.60 | | |
| 1.4 | 64QAM | 3 | 1 | 20.81 | 20.88 | 20.64 | | |
| 1.4 | 64QAM | 3 | 3 | 20.74 | 20.82 | 20.61 | | |
| 1.4 | 64QAM | 6 | 0 | 19.60 | 19.74 | 19.46 | 21 | 3 |

## Band 5 (Celluar Band)
## Part 22H(only on channel required)_ANT 1(DSI2/DSI4/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 20450 | 20525 | 20600 | | |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | |
| 10 | QPSK | 1 | 0 | 22.54 | 22.57 | 22.61 | 24 | 0 |
| 10 | QPSK | 1 | 25 | 22.55 | 22.59 | 22.64 | | |
| 10 | QPSK | 1 | 49 | 22.52 | 22.57 | 22.62 | | |
| 10 | QPSK | 25 | 0 | 21.51 | 21.57 | 21.60 | 23 | 1 |
| 10 | QPSK | 25 | 12 | 21.62 | 21.64 | 21.71 | | |
| 10 | QPSK | 25 | 25 | 21.58 | 21.63 | 21.65 | | |
| 10 | QPSK | 50 | 0 | 21.58 | 21.59 | 21.61 | | |
| 10 | 16QAM | 1 | 0 | 21.90 | 21.91 | 21.89 | 23 | 1 |
| 10 | 16QAM | 1 | 25 | 21.89 | 21.87 | 22.03 | | |
| 10 | 16QAM | 1 | 49 | 21.90 | 21.96 | 21.94 | | |
| 10 | 16QAM | 25 | 0 | 20.62 | 20.57 | 20.68 | 22 | 2 |
| 10 | 16QAM | 25 | 12 | 20.66 | 20.65 | 20.66 | | |
| 10 | 16QAM | 25 | 25 | 20.61 | 20.63 | 20.70 | | |
| 10 | 16QAM | 50 | 0 | 20.60 | 20.60 | 20.60 | | |
| 10 | 64QAM | 1 | 0 | 20.77 | 20.74 | 20.82 | 22 | 2 |
| 10 | 64QAM | 1 | 25 | 20.80 | 20.77 | 20.95 | | |
| 10 | 64QAM | 1 | 49 | 20.84 | 20.81 | 20.80 | | |
| 10 | 64QAM | 25 | 0 | 19.65 | 19.61 | 19.70 | 21 | 3 |
| 10 | 64QAM | 25 | 12 | 19.71 | 19.70 | 19.74 | | |
| 10 | 64QAM | 25 | 25 | 19.69 | 19.67 | 19.75 | | |
| 10 | 64QAM | 50 | 0 | 19.61 | 19.63 | 19.66 | | |
| Channel | | | | 20425 | 20525 | 20625 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | |
| 5 | QPSK | 1 | 0 | 22.53 | 22.46 | 22.54 | 24 | 0 |
| 5 | QPSK | 1 | 12 | 22.59 | 22.55 | 22.61 | | |
| 5 | QPSK | 1 | 24 | 22.54 | 22.51 | 22.54 | | |
| 5 | QPSK | 12 | 0 | 21.64 | 21.59 | 21.65 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 21.71 | 21.65 | 21.68 | | |
| 5 | QPSK | 12 | 13 | 21.67 | 21.63 | 21.68 | | |
| 5 | QPSK | 25 | 0 | 21.67 | 21.62 | 21.66 | | |
| 5 | 16QAM | 1 | 0 | 21.84 | 21.76 | 21.85 | 23 | 1 |
| 5 | 16QAM | 1 | 12 | 21.85 | 21.86 | 21.96 | | |
| 5 | 16QAM | 1 | 24 | 21.88 | 21.87 | 21.92 | | |
| 5 | 16QAM | 12 | 0 | 20.70 | 20.57 | 20.70 | 22 | 2 |
| 5 | 16QAM | 12 | 7 | 20.71 | 20.70 | 20.75 | | |
| 5 | 16QAM | 12 | 13 | 20.67 | 20.68 | 20.72 | | |
| 5 | 16QAM | 25 | 0 | 20.66 | 20.68 | 20.66 | | |
| 5 | 64QAM | 1 | 0 | 20.80 | 20.71 | 20.77 | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 20.83 | 20.79 | 20.90 | | |
| 5 | 64QAM | 1 | 24 | 20.76 | 20.82 | 20.81 | | |
| 5 | 64QAM | 12 | 0 | 19.72 | 19.64 | 19.73 | 21 | 3 |
| 5 | 64QAM | 12 | 7 | 19.75 | 19.71 | 19.78 | | |
| 5 | 64QAM | 12 | 13 | 19.71 | 19.67 | 19.75 | | |
| 5 | 64QAM | 25 | 0 | 19.72 | 19.65 | 19.69 | | |
| Channel | | | | 20415 | 20525 | 20635 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 825.5 | 836.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 22.57 | 22.43 | 22.54 | 24 | 0 |
| 3 | QPSK | 1 | 8 | 22.62 | 22.59 | 22.49 | | |
| 3 | QPSK | 1 | 14 | 22.54 | 22.54 | 22.56 | | |
| 3 | QPSK | 8 | 0 | 21.66 | 21.55 | 21.63 | 23 | 1 |
| 3 | QPSK | 8 | 4 | 21.67 | 21.65 | 21.72 | | |
| 3 | QPSK | 8 | 7 | 21.65 | 21.61 | 21.69 | | |
| 3 | QPSK | 15 | 0 | 21.66 | 21.59 | 21.63 | | |
| 3 | 16QAM | 1 | 0 | 21.88 | 21.72 | 21.86 | 23 | 1 |
| 3 | 16QAM | 1 | 8 | 21.93 | 21.92 | 22.03 | | |
| 3 | 16QAM | 1 | 14 | 21.88 | 21.89 | 21.92 | | |
| 3 | 16QAM | 8 | 0 | 20.72 | 20.61 | 20.71 | 22 | 2 |
| 3 | 16QAM | 8 | 4 | 20.74 | 20.70 | 20.77 | | |
| 3 | 16QAM | 8 | 7 | 20.73 | 20.66 | 20.76 | | |
| 3 | 16QAM | 15 | 0 | 20.68 | 20.66 | 20.65 | | |
| 3 | 64QAM | 1 | 0 | 20.86 | 20.71 | 20.79 | 22 | 2 |
| 3 | 64QAM | 1 | 8 | 20.88 | 20.82 | 20.90 | | |
| 3 | 64QAM | 1 | 14 | 20.78 | 20.80 | 20.81 | | |
| 3 | 64QAM | 8 | 0 | 19.72 | 19.61 | 19.70 | 21 | 3 |
| 3 | 64QAM | 8 | 4 | 19.75 | 19.70 | 19.79 | | |
| 3 | 64QAM | 8 | 7 | 19.71 | 19.68 | 19.72 | | |
| 3 | 64QAM | 15 | 0 | 19.68 | 19.64 | 19.67 | | |
| Channel | | | | 20407 | 20525 | 20643 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 824.7 | 836.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.51 | 22.40 | 22.51 | 24 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.56 | 22.49 | 22.56 | | |
| 1.4 | QPSK | 1 | 5 | 22.51 | 22.47 | 22.53 | | |
| 1.4 | QPSK | 3 | 0 | 22.52 | 22.45 | 22.53 | | |
| 1.4 | QPSK | 3 | 1 | 22.57 | 22.49 | 22.58 | | |
| 1.4 | QPSK | 3 | 3 | 22.51 | 22.46 | 22.53 | | |
| 1.4 | QPSK | 6 | 0 | 21.61 | 21.53 | 21.57 | 23 | 1 |
| 1.4 | 16QAM | 1 | 0 | 21.83 | 21.73 | 21.82 | 23 | 1 |
| 1.4 | 16QAM | 1 | 3 | 21.86 | 21.81 | 21.88 | | |
| 1.4 | 16QAM | 1 | 5 | 21.77 | 21.77 | 21.85 | | |
| 1.4 | 16QAM | 3 | 0 | 21.61 | 21.56 | 21.62 | | |
| 1.4 | 16QAM | 3 | 1 | 21.67 | 21.61 | 21.66 | | |
| 1.4 | 16QAM | 3 | 3 | 21.63 | 21.55 | 21.59 | | |
| 1.4 | 16QAM | 6 | 0 | 20.70 | 20.60 | 20.67 | 22 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.75 | 20.72 | 20.73 | 22 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.79 | 20.75 | 20.80 | | |
| 1.4 | 64QAM | 1 | 5 | 20.70 | 20.69 | 20.76 | | |
| 1.4 | 64QAM | 3 | 0 | 20.73 | 20.66 | 20.71 | | |
| 1.4 | 64QAM | 3 | 1 | 20.77 | 20.69 | 20.76 | | |
| 1.4 | 64QAM | 3 | 3 | 20.74 | 20.65 | 20.70 | | |
| 1.4 | 64QAM | 6 | 0 | 19.63 | 19.59 | 19.63 | 21 | 3 |

## Band 7 (2600MHz Band)
## Part 27_ANT 1(DSI2/DSI4)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 20850 | 21100 | 21350 | | |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | QPSK | 1 | 0 | 22.71 | 22.74 | 22.72 | 24 | 0 |
| 20 | QPSK | 1 | 49 | 22.72 | 22.80 | 22.77 | | |
| 20 | QPSK | 1 | 99 | 22.70 | 22.74 | 22.72 | | |
| 20 | QPSK | 50 | 0 | 21.73 | 21.81 | 21.76 | 23 | 1 |
| 20 | QPSK | 50 | 24 | 21.86 | 21.88 | 21.84 | | |
| 20 | QPSK | 50 | 50 | 21.75 | 21.83 | 21.80 | | |
| 20 | QPSK | 100 | 0 | 21.69 | 21.84 | 21.79 | | |
| 20 | 16QAM | 1 | 0 | 22.08 | 22.04 | 22.07 | 23 | 1 |
| 20 | 16QAM | 1 | 49 | 22.06 | 22.09 | 22.13 | | |
| 20 | 16QAM | 1 | 99 | 22.08 | 22.12 | 22.18 | | |
| 20 | 16QAM | 50 | 0 | 20.76 | 20.82 | 20.81 | 22 | 2 |
| 20 | 16QAM | 50 | 24 | 20.82 | 20.92 | 20.91 | | |
| 20 | 16QAM | 50 | 50 | 20.76 | 20.86 | 20.86 | | |
| 20 | 16QAM | 100 | 0 | 20.69 | 20.84 | 20.79 | | |
| 20 | 64QAM | 1 | 0 | 21.00 | 20.99 | 20.88 | 22 | 2 |
| 20 | 64QAM | 1 | 49 | 20.99 | 20.96 | 20.95 | | |
| 20 | 64QAM | 1 | 99 | 20.98 | 20.97 | 21.10 | | |
| 20 | 64QAM | 50 | 0 | 19.76 | 19.84 | 19.85 | 21 | 3 |
| 20 | 64QAM | 50 | 24 | 19.82 | 19.93 | 19.91 | | |
| 20 | 64QAM | 50 | 50 | 19.77 | 19.90 | 19.89 | | |
| 20 | 64QAM | 100 | 0 | 19.73 | 19.87 | 19.81 | | |
| Channel | | | | 20825 | 21100 | 21375 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | QPSK | 1 | 0 | 22.66 | 22.71 | 22.72 | 24 | 0 |
| 15 | QPSK | 1 | 37 | 22.66 | 22.68 | 22.75 | | |
| 15 | QPSK | 1 | 74 | 22.69 | 22.76 | 22.77 | | |
| 15 | QPSK | 36 | 0 | 21.68 | 21.78 | 21.74 | 23 | 1 |
| 15 | QPSK | 36 | 20 | 21.79 | 21.83 | 21.84 | | |
| 15 | QPSK | 36 | 39 | 21.66 | 21.77 | 21.85 | | |
| 15 | QPSK | 75 | 0 | 21.66 | 21.78 | 21.79 | | |
| 15 | 16QAM | 1 | 0 | 21.98 | 22.00 | 22.00 | 23 | 1 |
| 15 | 16QAM | 1 | 37 | 22.00 | 21.97 | 22.04 | | |
| 15 | 16QAM | 1 | 74 | 22.02 | 22.07 | 22.12 | | |
| 15 | 16QAM | 36 | 0 | 20.70 | 20.75 | 20.79 | 22 | 2 |
| 15 | 16QAM | 36 | 20 | 20.79 | 20.83 | 20.81 | | |
| 15 | 16QAM | 36 | 39 | 20.70 | 20.77 | 20.86 | | |
| 15 | 16QAM | 75 | 0 | 20.67 | 20.78 | 20.80 | | |
| 15 | 64QAM | 1 | 0 | 20.88 | 20.94 | 20.87 | 22 | 2 |
| 15 | 64QAM | 1 | 37 | 20.89 | 20.90 | 21.01 | | |
| 15 | 64QAM | 1 | 74 | 20.85 | 20.98 | 21.02 | | |
| 15 | 64QAM | 36 | 0 | 19.72 | 19.79 | 19.80 | 21 | 3 |
| 15 | 64QAM | 36 | 20 | 19.84 | 19.86 | 19.90 | | |
| 15 | 64QAM | 36 | 39 | 19.76 | 19.83 | 19.92 | | |
| 15 | 64QAM | 75 | 0 | 19.65 | 19.78 | 19.83 | | |
| Channel | | | | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | QPSK | 1 | 0 | 22.60 | 22.66 | 22.66 | 24 | 0 |
| 10 | QPSK | 1 | 25 | 22.59 | 22.65 | 22.68 | | |
| 10 | QPSK | 1 | 49 | 22.63 | 22.74 | 22.74 | | |
| 10 | QPSK | 25 | 0 | 21.74 | 21.81 | 21.71 | 23 | 1 |
| 10 | QPSK | 25 | 12 | 21.76 | 21.84 | 21.75 | | |
| 10 | QPSK | 25 | 25 | 21.74 | 21.83 | 21.83 | | |
| 10 | QPSK | 50 | 0 | 21.69 | 21.75 | 21.71 | | |
| 10 | 16QAM | 1 | 0 | 21.98 | 22.07 | 22.02 | 23 | 1 |
| 10 | 16QAM | 1 | 25 | 21.99 | 22.05 | 22.05 | | |
| 10 | 16QAM | 1 | 49 | 22.01 | 22.12 | 22.11 | | |
| 10 | 16QAM | 25 | 0 | 20.74 | 20.82 | 20.76 | 22 | 2 |
| 10 | 16QAM | 25 | 12 | 20.75 | 20.83 | 20.77 | | |
| 10 | 16QAM | 25 | 25 | 20.74 | 20.84 | 20.82 | | |
| 10 | 16QAM | 50 | 0 | 20.71 | 20.77 | 20.69 | | |
| 10 | 64QAM | 1 | 0 | 20.89 | 20.94 | 20.91 | 22 | 2 |
| 10 | 64QAM | 1 | 25 | 20.97 | 21.03 | 20.99 | | |
| 10 | 64QAM | 1 | 49 | 20.92 | 21.00 | 21.05 | | |
| 10 | 64QAM | 25 | 0 | 19.77 | 19.84 | 19.75 | 21 | 3 |
| 10 | 64QAM | 25 | 12 | 19.80 | 19.88 | 19.82 | | |
| 10 | 64QAM | 25 | 25 | 19.81 | 19.88 | 19.86 | | |
| 10 | 64QAM | 50 | 0 | 19.71 | 19.78 | 19.74 | | |
| Channel | | | | 20775 | 21100 | 21425 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | QPSK | 1 | 0 | 22.66 | 22.72 | 22.75 | 24 | 0 |
| 5 | QPSK | 1 | 12 | 22.63 | 22.76 | 22.71 | | |
| 5 | QPSK | 1 | 24 | 22.68 | 22.75 | 22.71 | | |
| 5 | QPSK | 12 | 0 | 21.71 | 21.80 | 21.78 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 21.73 | 21.84 | 21.85 | | |
| 5 | QPSK | 12 | 13 | 21.74 | 21.85 | 21.80 | | |
| 5 | QPSK | 25 | 0 | 21.72 | 21.78 | 21.79 | | |
| 5 | 16QAM | 1 | 0 | 21.99 | 22.04 | 22.07 | 23 | 1 |
| 5 | 16QAM | 1 | 12 | 21.98 | 22.05 | 22.08 | | |
| 5 | 16QAM | 1 | 24 | 21.98 | 22.09 | 22.04 | | |
| 5 | 16QAM | 12 | 0 | 20.71 | 20.84 | 20.87 | 22 | 2 |
| 5 | 16QAM | 12 | 7 | 20.78 | 20.85 | 20.85 | | |
| 5 | 16QAM | 12 | 13 | 20.76 | 20.80 | 20.83 | | |
| 5 | 16QAM | 25 | 0 | 20.70 | 20.81 | 20.83 | | |
| 5 | 64QAM | 1 | 0 | 20.90 | 20.98 | 20.95 | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 20.85 | 20.99 | 20.99 | | |
| 5 | 64QAM | 1 | 24 | 20.90 | 20.99 | 21.01 | | |
| 5 | 64QAM | 12 | 0 | 19.80 | 19.89 | 19.88 | 21 | 3 |
| 5 | 64QAM | 12 | 7 | 19.81 | 19.95 | 19.94 | | |
| 5 | 64QAM | 12 | 13 | 19.81 | 19.87 | 19.87 | | |
| 5 | 64QAM | 25 | 0 | 19.76 | 19.83 | 19.85 | | |

## Band 12 (700MHz Low Band)
## Part 27F(only on channel required)_ANT 1(DSI2/DSI4/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 23060 | 23095 | 23130 | | |
| Frequency (MHz) | | | | 704 | 707.5 | 711 | | |
| 10 | QPSK | 1 | 0 | 22.82 | 22.79 | 22.75 | 24 | 0 |
| 10 | QPSK | 1 | 25 | 22.86 | 22.80 | 22.77 | | |
| 10 | QPSK | 1 | 49 | 22.84 | 22.79 | 22.77 | | |
| 10 | QPSK | 25 | 0 | 21.74 | 21.65 | 21.61 | 23 | 1 |
| 10 | QPSK | 25 | 12 | 21.78 | 21.75 | 21.71 | | |
| 10 | QPSK | 25 | 25 | 21.71 | 21.66 | 21.59 | | |
| 10 | QPSK | 50 | 0 | 21.68 | 21.65 | 21.62 | | |
| 10 | 16QAM | 1 | 0 | 22.08 | 22.00 | 21.96 | 23 | 1 |
| 10 | 16QAM | 1 | 25 | 22.02 | 21.95 | 21.95 | | |
| 10 | 16QAM | 1 | 49 | 22.07 | 22.06 | 22.02 | | |
| 10 | 16QAM | 25 | 0 | 20.71 | 20.65 | 20.62 | 22 | 2 |
| 10 | 16QAM | 25 | 12 | 20.76 | 20.70 | 20.74 | | |
| 10 | 16QAM | 25 | 25 | 20.73 | 20.58 | 20.60 | | |
| 10 | 16QAM | 50 | 0 | 20.69 | 20.62 | 20.67 | | |
| 10 | 64QAM | 1 | 0 | 20.96 | 20.91 | 20.87 | 22 | 2 |
| 10 | 64QAM | 1 | 25 | 20.95 | 20.94 | 20.87 | | |
| 10 | 64QAM | 1 | 49 | 20.91 | 20.86 | 20.76 | | |
| 10 | 64QAM | 25 | 0 | 19.73 | 19.69 | 19.64 | 21 | 3 |
| 10 | 64QAM | 25 | 12 | 19.77 | 19.73 | 19.78 | | |
| 10 | 64QAM | 25 | 25 | 19.73 | 19.67 | 19.64 | | |
| 10 | 64QAM | 50 | 0 | 19.72 | 19.68 | 19.71 | | |
| Channel | | | | 23035 | 23095 | 23155 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 701.5 | 707.5 | 713.5 | | |
| 5 | QPSK | 1 | 0 | 22.81 | 22.77 | 22.72 | 24 | 0 |
| 5 | QPSK | 1 | 12 | 22.84 | 22.83 | 22.76 | | |
| 5 | QPSK | 1 | 24 | 22.83 | 22.77 | 22.72 | | |
| 5 | QPSK | 12 | 0 | 21.77 | 21.71 | 21.61 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 21.76 | 21.65 | 21.65 | | |
| 5 | QPSK | 12 | 13 | 21.73 | 21.62 | 21.61 | | |
| 5 | QPSK | 25 | 0 | 21.75 | 21.61 | 21.62 | | |
| 5 | 16QAM | 1 | 0 | 22.04 | 21.90 | 21.91 | 23 | 1 |
| 5 | 16QAM | 1 | 12 | 21.98 | 21.89 | 21.87 | | |
| 5 | 16QAM | 1 | 24 | 21.95 | 21.83 | 21.89 | | |
| 5 | 16QAM | 12 | 0 | 20.82 | 20.66 | 20.63 | 22 | 2 |
| 5 | 16QAM | 12 | 7 | 20.81 | 20.66 | 20.69 | | |
| 5 | 16QAM | 12 | 13 | 20.75 | 20.66 | 20.64 | | |
| 5 | 16QAM | 25 | 0 | 20.78 | 20.62 | 20.61 | | |
| 5 | 64QAM | 1 | 0 | 20.91 | 20.82 | 20.75 | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 20.90 | 20.84 | 20.78 | | |
| 5 | 64QAM | 1 | 24 | 20.88 | 20.73 | 20.77 | | |
| 5 | 64QAM | 12 | 0 | 19.82 | 19.75 | 19.70 | 21 | 3 |
| 5 | 64QAM | 12 | 7 | 19.84 | 19.70 | 19.70 | | |
| 5 | 64QAM | 12 | 13 | 19.79 | 19.68 | 19.65 | | |
| 5 | 64QAM | 25 | 0 | 19.75 | 19.65 | 19.64 | | |
| Channel | | | | 23025 | 23095 | 23165 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 700.5 | 707.5 | 714.5 | | |
| 3 | QPSK | 1 | 0 | 22.83 | 22.72 | 22.63 | 24 | 0 |
| 3 | QPSK | 1 | 8 | 22.84 | 22.78 | 22.62 | | |
| 3 | QPSK | 1 | 14 | 22.74 | 22.62 | 22.58 | | |
| 3 | QPSK | 8 | 0 | 21.72 | 21.62 | 21.48 | 23 | 1 |
| 3 | QPSK | 8 | 4 | 21.74 | 21.64 | 21.55 | | |
| 3 | QPSK | 8 | 7 | 21.69 | 21.56 | 21.53 | | |
| 3 | QPSK | 15 | 0 | 21.72 | 21.57 | 21.51 | | |
| 3 | 16QAM | 1 | 0 | 22.02 | 21.89 | 21.83 | 23 | 1 |
| 3 | 16QAM | 1 | 8 | 22.02 | 21.90 | 21.88 | | |
| 3 | 16QAM | 1 | 14 | 21.93 | 21.82 | 21.73 | | |
| 3 | 16QAM | 8 | 0 | 20.78 | 20.67 | 20.59 | 22 | 2 |
| 3 | 16QAM | 8 | 4 | 20.82 | 20.71 | 20.62 | | |
| 3 | 16QAM | 8 | 7 | 20.75 | 20.66 | 20.59 | | |
| 3 | 16QAM | 15 | 0 | 20.75 | 20.58 | 20.58 | | |
| 3 | 64QAM | 1 | 0 | 20.93 | 20.83 | 20.68 | 22 | 2 |
| 3 | 64QAM | 1 | 8 | 20.97 | 20.83 | 20.74 | | |
| 3 | 64QAM | 1 | 14 | 20.86 | 20.74 | 20.69 | | |
| 3 | 64QAM | 8 | 0 | 19.81 | 19.69 | 19.57 | 21 | 3 |
| 3 | 64QAM | 8 | 4 | 19.82 | 19.70 | 19.61 | | |
| 3 | 64QAM | 8 | 7 | 19.77 | 19.65 | 19.58 | | |
| 3 | 64QAM | 15 | 0 | 19.77 | 19.59 | 19.59 | | |
| Channel | | | | 23017 | 23095 | 23173 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 699.7 | 707.5 | 715.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.76 | 22.69 | 22.51 | 24 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.81 | 22.70 | 22.56 | | |
| 1.4 | QPSK | 1 | 5 | 22.78 | 22.63 | 22.55 | | |
| 1.4 | QPSK | 3 | 0 | 22.80 | 22.68 | 22.56 | | |
| 1.4 | QPSK | 3 | 1 | 22.84 | 22.73 | 22.61 | | |
| 1.4 | QPSK | 3 | 3 | 22.85 | 22.71 | 22.60 | | |
| 1.4 | QPSK | 6 | 0 | 21.75 | 21.58 | 21.46 | 23 | 1 |
| 1.4 | 16QAM | 1 | 0 | 21.96 | 21.82 | 21.74 | 23 | 1 |
| 1.4 | 16QAM | 1 | 3 | 22.00 | 21.88 | 21.79 | | |
| 1.4 | 16QAM | 1 | 5 | 21.91 | 21.85 | 21.69 | | |
| 1.4 | 16QAM | 3 | 0 | 21.75 | 21.62 | 21.53 | | |
| 1.4 | 16QAM | 3 | 1 | 21.77 | 21.65 | 21.55 | | |
| 1.4 | 16QAM | 3 | 3 | 21.73 | 21.63 | 21.52 | | |
| 1.4 | 16QAM | 6 | 0 | 20.77 | 20.69 | 20.56 | 22 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.86 | 20.76 | 20.59 | 22 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.95 | 20.80 | 20.70 | | |
| 1.4 | 64QAM | 1 | 5 | 20.85 | 20.78 | 20.61 | | |
| 1.4 | 64QAM | 3 | 0 | 20.84 | 20.72 | 20.60 | | |
| 1.4 | 64QAM | 3 | 1 | 20.89 | 20.78 | 20.66 | | |
| 1.4 | 64QAM | 3 | 3 | 20.83 | 20.73 | 20.65 | | |
| 1.4 | 64QAM | 6 | 0 | 19.67 | 19.58 | 19.48 | 21 | 3 |

## Band 13(700MHz Band)
## Part 27F_ANT 1(DSI2/DSI4/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | | 23230 | | | |
| Frequency (MHz) | | | | | 782 | | | |
| 10 | QPSK | 1 | 0 | | 22.66 | | 24 | 0 |
| 10 | QPSK | 1 | 25 | | 22.75 | | | |
| 10 | QPSK | 1 | 49 | | 22.73 | | | |
| 10 | QPSK | 25 | 0 | | 21.75 | | 23 | 1 |
| 10 | QPSK | 25 | 12 | | 21.87 | | | |
| 10 | QPSK | 25 | 25 | | 21.84 | | | |
| 10 | QPSK | 50 | 0 | | 21.74 | | | |
| 10 | 16QAM | 1 | 0 | | 21.99 | | 23 | 1 |
| 10 | 16QAM | 1 | 25 | | 22.13 | | | |
| 10 | 16QAM | 1 | 49 | | 22.15 | | | |
| 10 | 16QAM | 25 | 0 | | 20.78 | | 22 | 2 |
| 10 | 16QAM | 25 | 12 | | 20.80 | | | |
| 10 | 16QAM | 25 | 25 | | 20.88 | | | |
| 10 | 16QAM | 50 | 0 | | 20.73 | | | |
| 10 | 64QAM | 1 | 0 | | 20.83 | | 22 | 2 |
| 10 | 64QAM | 1 | 25 | | 21.03 | | | |
| 10 | 64QAM | 1 | 49 | | 21.11 | | | |
| 10 | 64QAM | 25 | 0 | | 19.81 | | 21 | 3 |
| 10 | 64QAM | 25 | 12 | | 19.84 | | | |
| 10 | 64QAM | 25 | 25 | | 19.88 | | | |
| 10 | 64QAM | 50 | 0 | | 19.76 | | | |
| Channel | | | | 23205 | 23230 | 23255 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 779.5 | 782 | 784.5 | | |
| 5 | QPSK | 1 | 0 | 22.58 | 22.61 | 22.63 | 24 | 0 |
| 5 | QPSK | 1 | 12 | 22.69 | 22.69 | 22.69 | | |
| 5 | QPSK | 1 | 24 | 22.67 | 22.68 | 22.69 | | |
| 5 | QPSK | 12 | 0 | 21.68 | 21.73 | 21.71 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 21.79 | 21.86 | 21.85 | | |
| 5 | QPSK | 12 | 13 | 21.81 | 21.82 | 21.84 | | |
| 5 | QPSK | 25 | 0 | 21.76 | 21.74 | 21.80 | | |
| 5 | 16QAM | 1 | 0 | 21.89 | 21.98 | 22.00 | 23 | 1 |
| 5 | 16QAM | 1 | 12 | 22.03 | 22.04 | 22.06 | | |
| 5 | 16QAM | 1 | 24 | 22.11 | 22.07 | 22.08 | | |
| 5 | 16QAM | 12 | 0 | 20.71 | 20.74 | 20.73 | 22 | 2 |
| 5 | 16QAM | 12 | 7 | 20.83 | 20.85 | 20.86 | | |
| 5 | 16QAM | 12 | 13 | 20.83 | 20.84 | 20.84 | | |
| 5 | 16QAM | 25 | 0 | 20.80 | 20.73 | 20.76 | | |
| 5 | 64QAM | 1 | 0 | 20.84 | 20.90 | 20.88 | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 20.92 | 20.92 | 20.93 | | |
| 5 | 64QAM | 1 | 24 | 20.99 | 20.97 | 21.02 | | |
| 5 | 64QAM | 12 | 0 | 19.74 | 19.78 | 19.80 | 21 | 3 |
| 5 | 64QAM | 12 | 7 | 19.89 | 19.89 | 19.90 | | |
| 5 | 64QAM | 12 | 13 | 19.88 | 19.90 | 19.89 | | |
| 5 | 64QAM | 25 | 0 | 19.78 | 19.77 | 19.79 | | |

## Band 17 (700MHz Band)
## Part 27H(only on channel required)_ANT 1(DSI2/DSI4/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 23780 | 23790 | 23800 | | |
| Frequency (MHz) | | | | 709 | 710 | 711 | | |
| 10 | QPSK | 1 | 0 | 22.70 | 22.75 | 22.67 | 24 | 0 |
| 10 | QPSK | 1 | 25 | 22.76 | 22.78 | 22.73 | | |
| 10 | QPSK | 1 | 49 | 22.71 | 22.74 | 22.67 | | |
| 10 | QPSK | 25 | 0 | 21.63 | 21.65 | 21.59 | 23 | 1 |
| 10 | QPSK | 25 | 12 | 21.64 | 21.70 | 21.63 | | |
| 10 | QPSK | 25 | 25 | 21.61 | 21.67 | 21.58 | | |
| 10 | QPSK | 50 | 0 | 21.63 | 21.65 | 21.61 | | |
| 10 | 16QAM | 1 | 0 | 21.91 | 21.83 | 21.88 | 23 | 1 |
| 10 | 16QAM | 1 | 25 | 21.94 | 21.90 | 21.93 | | |
| 10 | 16QAM | 1 | 49 | 21.98 | 22.01 | 21.98 | | |
| 10 | 16QAM | 25 | 0 | 20.62 | 20.58 | 20.60 | 22 | 2 |
| 10 | 16QAM | 25 | 12 | 20.69 | 20.68 | 20.68 | | |
| 10 | 16QAM | 25 | 25 | 20.67 | 20.70 | 20.72 | | |
| 10 | 16QAM | 50 | 0 | 20.67 | 20.65 | 20.66 | | |
| 10 | 64QAM | 1 | 0 | 20.75 | 20.74 | 20.74 | 22 | 2 |
| 10 | 64QAM | 1 | 25 | 20.91 | 20.84 | 20.84 | | |
| 10 | 64QAM | 1 | 49 | 20.76 | 20.78 | 20.76 | | |
| 10 | 64QAM | 25 | 0 | 19.64 | 19.65 | 19.61 | 21 | 3 |
| 10 | 64QAM | 25 | 12 | 19.71 | 19.71 | 19.69 | | |
| 10 | 64QAM | 25 | 25 | 19.70 | 19.70 | 19.69 | | |
| 10 | 64QAM | 50 | 0 | 19.70 | 19.68 | 19.66 | | |
| Channel | | | | 23755 | 23790 | 23825 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 706.5 | 710 | 713.5 | | |
| 5 | QPSK | 1 | 0 | 22.69 | 22.68 | 22.66 | 24 | 0 |
| 5 | QPSK | 1 | 12 | 22.74 | 22.76 | 22.72 | | |
| 5 | QPSK | 1 | 24 | 22.71 | 22.67 | 22.66 | | |
| 5 | QPSK | 12 | 0 | 21.67 | 21.63 | 21.59 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 21.71 | 21.69 | 21.65 | | |
| 5 | QPSK | 12 | 13 | 21.70 | 21.60 | 21.61 | | |
| 5 | QPSK | 25 | 0 | 21.68 | 21.60 | 21.61 | | |
| 5 | 16QAM | 1 | 0 | 21.86 | 21.81 | 21.77 | 23 | 1 |
| 5 | 16QAM | 1 | 12 | 21.90 | 21.90 | 21.82 | | |
| 5 | 16QAM | 1 | 24 | 21.88 | 21.83 | 21.78 | | |
| 5 | 16QAM | 12 | 0 | 20.70 | 20.66 | 20.61 | 22 | 2 |
| 5 | 16QAM | 12 | 7 | 20.71 | 20.70 | 20.66 | | |
| 5 | 16QAM | 12 | 13 | 20.70 | 20.63 | 20.62 | | |
| 5 | 16QAM | 25 | 0 | 20.67 | 20.60 | 20.61 | | |
| 5 | 64QAM | 1 | 0 | 20.82 | 20.72 | 20.72 | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 20.80 | 20.76 | 20.72 | | |
| 5 | 64QAM | 1 | 24 | 20.78 | 20.73 | 20.77 | | |
| 5 | 64QAM | 12 | 0 | 19.70 | 19.73 | 19.66 | 21 | 3 |
| 5 | 64QAM | 12 | 7 | 19.76 | 19.73 | 19.69 | | |
| 5 | 64QAM | 12 | 13 | 19.74 | 19.67 | 19.64 | | |
| 5 | 64QAM | 25 | 0 | 19.70 | 19.62 | 19.63 | | |

## Band 26
## (only on channel required)_ANT 1(DSI2/DSI4/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 26765 | 26865 | 26965 | | |
| Frequency (MHz) | | | | 821.5 | 831.5 | 841.5 | | |
| 15 | QPSK | 1 | 0 | 22.49 | 22.65 | 22.43 | 24 | 0 |
| 15 | QPSK | 1 | 37 | 22.56 | 22.73 | 22.52 | | |
| 15 | QPSK | 1 | 74 | 22.44 | 22.58 | 22.43 | | |
| 15 | QPSK | 36 | 0 | 21.51 | 21.68 | 21.45 | 23 | 1 |
| 15 | QPSK | 36 | 20 | 21.62 | 21.71 | 21.58 | | |
| 15 | QPSK | 36 | 39 | 21.47 | 21.58 | 21.41 | | |
| 15 | QPSK | 75 | 0 | 21.49 | 21.61 | 21.45 | | |
| 15 | 16QAM | 1 | 0 | 21.82 | 22.14 | 21.82 | 23 | 1 |
| 15 | 16QAM | 1 | 37 | 21.72 | 21.98 | 21.87 | | |
| 15 | 16QAM | 1 | 74 | 21.75 | 21.87 | 21.73 | | |
| 15 | 16QAM | 36 | 0 | 20.46 | 20.71 | 20.48 | 22 | 2 |
| 15 | 16QAM | 36 | 20 | 20.53 | 20.66 | 20.62 | | |
| 15 | 16QAM | 36 | 39 | 20.47 | 20.57 | 20.53 | | |
| 15 | 16QAM | 75 | 0 | 20.52 | 20.62 | 20.51 | | |
| 15 | 64QAM | 1 | 0 | 20.72 | 21.02 | 20.65 | 22 | 2 |
| 15 | 64QAM | 1 | 37 | 20.67 | 20.87 | 20.80 | | |
| 15 | 64QAM | 1 | 74 | 20.63 | 20.73 | 20.66 | | |
| 15 | 64QAM | 36 | 0 | 19.54 | 19.74 | 19.50 | 21 | 3 |
| 15 | 64QAM | 36 | 20 | 19.62 | 19.70 | 19.69 | | |
| 15 | 64QAM | 36 | 39 | 19.53 | 19.63 | 19.59 | | |
| 15 | 64QAM | 75 | 0 | 19.50 | 19.62 | 19.50 | | |
| Channel | | | | 26740 | 26865 | 26990 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 819 | 831.5 | 844 | | |
| 10 | QPSK | 1 | 0 | 22.49 | 22.71 | 22.48 | 24 | 0 |
| 10 | QPSK | 1 | 25 | 22.39 | 22.67 | 22.47 | | |
| 10 | QPSK | 1 | 49 | 22.48 | 22.63 | 22.43 | | |
| 10 | QPSK | 25 | 0 | 21.46 | 21.73 | 21.41 | 23 | 1 |
| 10 | QPSK | 25 | 12 | 21.55 | 21.73 | 21.54 | | |
| 10 | QPSK | 25 | 25 | 21.47 | 21.62 | 21.51 | | |
| 10 | QPSK | 50 | 0 | 21.47 | 21.64 | 21.44 | | |
| 10 | 16QAM | 1 | 0 | 21.89 | 22.18 | 21.90 | 23 | 1 |
| 10 | 16QAM | 1 | 25 | 21.77 | 22.08 | 21.84 | | |
| 10 | 16QAM | 1 | 49 | 21.79 | 22.04 | 21.78 | | |
| 10 | 16QAM | 25 | 0 | 20.44 | 20.72 | 20.44 | 22 | 2 |
| 10 | 16QAM | 25 | 12 | 20.53 | 20.74 | 20.49 | | |
| 10 | 16QAM | 25 | 25 | 20.46 | 20.65 | 20.48 | | |
| 10 | 16QAM | 50 | 0 | 20.45 | 20.66 | 20.42 | | |
| 10 | 64QAM | 1 | 0 | 20.76 | 21.03 | 20.72 | 22 | 2 |
| 10 | 64QAM | 1 | 25 | 20.72 | 20.99 | 20.77 | | |
| 10 | 64QAM | 1 | 49 | 20.69 | 20.86 | 20.70 | | |
| 10 | 64QAM | 25 | 0 | 19.47 | 19.74 | 19.45 | 21 | 3 |
| 10 | 64QAM | 25 | 12 | 19.58 | 19.79 | 19.57 | | |
| 10 | 64QAM | 25 | 25 | 19.50 | 19.68 | 19.54 | | |
| 10 | 64QAM | 50 | 0 | 19.48 | 19.70 | 19.47 | | |
| Channel | | | | 26715 | 26865 | 27015 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 816.5 | 831.5 | 846.5 | | |
| 5 | QPSK | 1 | 0 | 22.45 | 22.61 | 22.50 | 24 | 0 |
| 5 | QPSK | 1 | 12 | 22.43 | 22.69 | 22.46 | | |
| 5 | QPSK | 1 | 24 | 22.45 | 22.64 | 22.44 | | |
| 5 | QPSK | 12 | 0 | 21.51 | 21.88 | 21.55 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 21.57 | 21.91 | 21.58 | | |
| 5 | QPSK | 12 | 13 | 21.55 | 21.85 | 21.51 | | |
| 5 | QPSK | 25 | 0 | 21.51 | 21.85 | 21.53 | | |
| 5 | 16QAM | 1 | 0 | 21.80 | 22.03 | 21.89 | 23 | 1 |
| 5 | 16QAM | 1 | 12 | 21.78 | 22.14 | 21.79 | | |
| 5 | 16QAM | 1 | 24 | 21.78 | 22.06 | 21.72 | | |
| 5 | 16QAM | 12 | 0 | 20.53 | 20.86 | 20.53 | 22 | 2 |
| 5 | 16QAM | 12 | 7 | 20.57 | 20.90 | 20.59 | | |
| 5 | 16QAM | 12 | 13 | 20.53 | 20.87 | 20.53 | | |
| 5 | 16QAM | 25 | 0 | 20.54 | 20.85 | 20.53 | | |
| 5 | 64QAM | 1 | 0 | 20.77 | 21.00 | 20.74 | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 20.71 | 21.03 | 20.71 | | |
| 5 | 64QAM | 1 | 24 | 20.69 | 20.95 | 20.67 | | |
| 5 | 64QAM | 12 | 0 | 19.56 | 19.91 | 19.60 | 21 | 3 |
| 5 | 64QAM | 12 | 7 | 19.63 | 19.96 | 19.65 | | |
| 5 | 64QAM | 12 | 13 | 19.57 | 19.92 | 19.57 | | |
| 5 | 64QAM | 25 | 0 | 19.55 | 19.88 | 19.56 | | |
| Channel | | | | 26705 | 26865 | 27025 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 815.5 | 831.5 | 847.5 | | |
| 3 | QPSK | 1 | 0 | 22.46 | 22.71 | 22.45 | 24 | 0 |
| 3 | QPSK | 1 | 8 | 22.51 | 22.72 | 22.48 | | |
| 3 | QPSK | 1 | 14 | 22.45 | 22.61 | 22.40 | | |
| 3 | QPSK | 8 | 0 | 21.52 | 21.87 | 21.50 | 23 | 1 |
| 3 | QPSK | 8 | 4 | 21.56 | 21.88 | 21.54 | | |
| 3 | QPSK | 8 | 7 | 21.51 | 21.85 | 21.48 | | |
| 3 | QPSK | 15 | 0 | 21.51 | 21.84 | 21.55 | | |
| 3 | 16QAM | 1 | 0 | 21.78 | 22.14 | 21.80 | 23 | 1 |
| 3 | 16QAM | 1 | 8 | 21.83 | 22.16 | 21.86 | | |
| 3 | 16QAM | 1 | 14 | 21.82 | 22.12 | 21.77 | | |
| 3 | 16QAM | 8 | 0 | 20.58 | 20.90 | 20.56 | 22 | 2 |
| 3 | 16QAM | 8 | 4 | 20.61 | 20.95 | 20.59 | | |
| 3 | 16QAM | 8 | 7 | 20.58 | 20.91 | 20.55 | | |
| 3 | 16QAM | 15 | 0 | 20.57 | 20.91 | 20.53 | | |
| 3 | 64QAM | 1 | 0 | 20.72 | 21.02 | 20.70 | 22 | 2 |
| 3 | 64QAM | 1 | 8 | 20.76 | 21.06 | 20.72 | | |
| 3 | 64QAM | 1 | 14 | 20.76 | 21.01 | 20.73 | | |
| 3 | 64QAM | 8 | 0 | 19.56 | 19.90 | 19.57 | 21 | 3 |
| 3 | 64QAM | 8 | 4 | 19.62 | 19.93 | 19.61 | | |
| 3 | 64QAM | 8 | 7 | 19.58 | 19.93 | 19.57 | | |
| 3 | 64QAM | 15 | 0 | 19.58 | 19.93 | 19.55 | | |
| Channel | | | | 26697 | 26865 | 27033 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 814.7 | 831.5 | 848.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.35 | 22.71 | 22.36 | 24 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.42 | 22.72 | 22.41 | | |
| 1.4 | QPSK | 1 | 5 | 22.35 | 22.69 | 22.33 | | |
| 1.4 | QPSK | 3 | 0 | 22.40 | 22.61 | 22.37 | | |
| 1.4 | QPSK | 3 | 1 | 22.45 | 22.71 | 22.40 | | |
| 1.4 | QPSK | 3 | 3 | 22.39 | 22.69 | 22.36 | | |
| 1.4 | QPSK | 6 | 0 | 21.47 | 21.86 | 21.43 | 23 | 1 |
| 1.4 | 16QAM | 1 | 0 | 21.71 | 22.07 | 21.66 | 23 | 1 |
| 1.4 | 16QAM | 1 | 3 | 21.78 | 22.12 | 21.76 | | |
| 1.4 | 16QAM | 1 | 5 | 21.74 | 22.09 | 21.72 | | |
| 1.4 | 16QAM | 3 | 0 | 21.51 | 21.90 | 21.47 | | |
| 1.4 | 16QAM | 3 | 1 | 21.54 | 21.95 | 21.50 | | |
| 1.4 | 16QAM | 3 | 3 | 21.50 | 21.92 | 21.48 | | |
| 1.4 | 16QAM | 6 | 0 | 20.55 | 20.92 | 20.51 | 22 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.64 | 20.98 | 20.63 | 22 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.68 | 21.04 | 20.65 | | |
| 1.4 | 64QAM | 1 | 5 | 20.63 | 20.99 | 20.58 | | |
| 1.4 | 64QAM | 3 | 0 | 20.59 | 20.95 | 20.57 | | |
| 1.4 | 64QAM | 3 | 1 | 20.66 | 21.00 | 20.61 | | |
| 1.4 | 64QAM | 3 | 3 | 20.58 | 20.97 | 20.56 | | |
| 1.4 | 64QAM | 6 | 0 | 19.46 | 19.88 | 19.46 | 21 | 3 |

## Band 66_ANT 1(DSI2/DSI4)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 132072 | 132322 | 132572 | | |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| 20 | QPSK | 1 | 0 | 22.49 | 22.61 | 22.59 | 24 | 0 |
| 20 | QPSK | 1 | 49 | 22.56 | 22.68 | 22.62 | | |
| 20 | QPSK | 1 | 99 | 22.40 | 22.48 | 22.43 | | |
| 20 | QPSK | 50 | 0 | 21.61 | 21.76 | 21.67 | 23 | 1 |
| 20 | QPSK | 50 | 24 | 21.78 | 21.86 | 21.81 | | |
| 20 | QPSK | 50 | 50 | 21.62 | 21.73 | 21.70 | | |
| 20 | QPSK | 100 | 0 | 21.61 | 21.77 | 21.73 | | |
| 20 | 16QAM | 1 | 0 | 21.82 | 21.86 | 21.84 | 23 | 1 |
| 20 | 16QAM | 1 | 49 | 22.12 | 22.06 | 21.95 | | |
| 20 | 16QAM | 1 | 99 | 21.88 | 21.63 | 21.90 | | |
| 20 | 16QAM | 50 | 0 | 20.78 | 20.79 | 20.67 | 22 | 2 |
| 20 | 16QAM | 50 | 24 | 20.85 | 20.87 | 20.76 | | |
| 20 | 16QAM | 50 | 50 | 20.75 | 20.75 | 20.62 | | |
| 20 | 16QAM | 100 | 0 | 20.78 | 20.77 | 20.60 | | |
| 20 | 64QAM | 1 | 0 | 20.75 | 20.67 | 20.84 | 22 | 2 |
| 20 | 64QAM | 1 | 49 | 20.97 | 20.84 | 20.79 | | |
| 20 | 64QAM | 1 | 99 | 20.65 | 20.60 | 20.72 | | |
| 20 | 64QAM | 50 | 0 | 19.80 | 19.79 | 19.70 | 21 | 3 |
| 20 | 64QAM | 50 | 24 | 19.90 | 19.88 | 19.79 | | |
| 20 | 64QAM | 50 | 50 | 19.75 | 19.74 | 19.64 | | |
| 20 | 64QAM | 100 | 0 | 19.82 | 19.80 | 19.61 | | |
| Channel | | | | 132047 | 132322 | 132597 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| 15 | QPSK | 1 | 0 | 22.46 | 22.50 | 22.50 | 24 | 0 |
| 15 | QPSK | 1 | 37 | 22.52 | 22.53 | 22.37 | | |
| 15 | QPSK | 1 | 74 | 22.37 | 22.45 | 22.31 | | |
| 15 | QPSK | 36 | 0 | 21.71 | 21.62 | 21.49 | 23 | 1 |
| 15 | QPSK | 36 | 20 | 21.67 | 21.64 | 21.56 | | |
| 15 | QPSK | 36 | 39 | 21.58 | 21.58 | 21.47 | | |
| 15 | QPSK | 75 | 0 | 21.63 | 21.69 | 21.44 | | |
| 15 | 16QAM | 1 | 0 | 21.81 | 21.88 | 21.73 | 23 | 1 |
| 15 | 16QAM | 1 | 37 | 21.94 | 21.88 | 21.77 | | |
| 15 | 16QAM | 1 | 74 | 21.83 | 21.57 | 21.76 | | |
| 15 | 16QAM | 36 | 0 | 20.71 | 20.65 | 20.51 | 22 | 2 |
| 15 | 16QAM | 36 | 20 | 20.69 | 20.69 | 20.58 | | |
| 15 | 16QAM | 36 | 39 | 20.62 | 20.58 | 20.49 | | |
| 15 | 16QAM | 75 | 0 | 20.66 | 20.66 | 20.47 | | |
| 15 | 64QAM | 1 | 0 | 20.83 | 20.65 | 20.68 | 22 | 2 |
| 15 | 64QAM | 1 | 37 | 20.87 | 20.86 | 20.65 | | |
| 15 | 64QAM | 1 | 74 | 20.68 | 20.53 | 20.52 | | |
| 15 | 64QAM | 36 | 0 | 19.74 | 19.70 | 19.58 | 21 | 3 |
| 15 | 64QAM | 36 | 20 | 19.72 | 19.74 | 19.61 | | |
| 15 | 64QAM | 36 | 39 | 19.64 | 19.62 | 19.50 | | |
| 15 | 64QAM | 75 | 0 | 19.69 | 19.64 | 19.47 | | |
| Channel | | | | 132022 | 132322 | 132622 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | QPSK | 1 | 0 | 22.42 | 22.32 | 22.23 | 24 | 0 |
| 10 | QPSK | 1 | 25 | 22.61 | 22.60 | 22.39 | | |
| 10 | QPSK | 1 | 49 | 22.32 | 22.23 | 22.24 | | |
| 10 | QPSK | 25 | 0 | 21.68 | 21.55 | 21.38 | 23 | 1 |
| 10 | QPSK | 25 | 12 | 21.70 | 21.69 | 21.42 | | |
| 10 | QPSK | 25 | 25 | 21.61 | 21.58 | 21.39 | | |
| 10 | QPSK | 50 | 0 | 21.67 | 21.61 | 21.35 | | |
| 10 | 16QAM | 1 | 0 | 21.73 | 21.70 | 21.47 | 23 | 1 |
| 10 | 16QAM | 1 | 25 | 21.94 | 21.95 | 21.76 | | |
| 10 | 16QAM | 1 | 49 | 21.68 | 21.65 | 21.50 | | |
| 10 | 16QAM | 25 | 0 | 20.71 | 20.59 | 20.43 | 22 | 2 |
| 10 | 16QAM | 25 | 12 | 20.74 | 20.72 | 20.44 | | |
| 10 | 16QAM | 25 | 25 | 20.64 | 20.61 | 20.40 | | |
| 10 | 16QAM | 50 | 0 | 20.66 | 20.62 | 20.38 | | |
| 10 | 64QAM | 1 | 0 | 20.62 | 20.46 | 20.38 | 22 | 2 |
| 10 | 64QAM | 1 | 25 | 20.85 | 20.78 | 20.68 | | |
| 10 | 64QAM | 1 | 49 | 20.58 | 20.57 | 20.42 | | |
| 10 | 64QAM | 25 | 0 | 19.68 | 19.61 | 19.40 | 21 | 3 |
| 10 | 64QAM | 25 | 12 | 19.79 | 19.74 | 19.50 | | |
| 10 | 64QAM | 25 | 25 | 19.63 | 19.63 | 19.43 | | |
| 10 | 64QAM | 50 | 0 | 19.68 | 19.65 | 19.37 | | |
| Channel | | | | 131997 | 132322 | 132647 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | QPSK | 1 | 0 | 22.57 | 22.54 | 22.40 | 24 | 0 |
| 5 | QPSK | 1 | 12 | 22.59 | 22.58 | 22.36 | | |
| 5 | QPSK | 1 | 24 | 22.47 | 22.51 | 22.28 | | |
| 5 | QPSK | 12 | 0 | 21.72 | 21.69 | 21.50 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 21.73 | 21.72 | 21.50 | | |
| 5 | QPSK | 12 | 13 | 21.68 | 21.65 | 21.44 | | |
| 5 | QPSK | 25 | 0 | 21.70 | 21.64 | 21.44 | | |
| 5 | 16QAM | 1 | 0 | 21.92 | 21.87 | 21.74 | 23 | 1 |
| 5 | 16QAM | 1 | 12 | 21.89 | 21.90 | 21.66 | | |
| 5 | 16QAM | 1 | 24 | 21.83 | 21.84 | 21.62 | | |
| 5 | 16QAM | 12 | 0 | 20.78 | 20.67 | 20.52 | 22 | 2 |
| 5 | 16QAM | 12 | 7 | 20.78 | 20.74 | 20.51 | | |
| 5 | 16QAM | 12 | 13 | 20.70 | 20.66 | 20.45 | | |
| 5 | 16QAM | 25 | 0 | 20.73 | 20.68 | 20.45 | | |
| 5 | 64QAM | 1 | 0 | 20.87 | 20.76 | 20.66 | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 20.80 | 20.79 | 20.49 | | |
| 5 | 64QAM | 1 | 24 | 20.69 | 20.74 | 20.38 | | |
| 5 | 64QAM | 12 | 0 | 19.82 | 19.72 | 19.58 | 21 | 3 |
| 5 | 64QAM | 12 | 7 | 19.84 | 19.79 | 19.55 | | |
| 5 | 64QAM | 12 | 13 | 19.74 | 19.69 | 19.48 | | |
| 5 | 64QAM | 25 | 0 | 19.73 | 19.69 | 19.49 | | |
| Channel | | | | 131987 | 132322 | 132657 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1711.5 | 1745 | 1778.5 | | |
| 3 | QPSK | 1 | 0 | 22.58 | 22.60 | 22.42 | 24 | 0 |
| 3 | QPSK | 1 | 8 | 22.59 | 22.59 | 22.38 | | |
| 3 | QPSK | 1 | 14 | 22.52 | 22.53 | 22.29 | | |
| 3 | QPSK | 8 | 0 | 21.75 | 21.66 | 21.50 | 23 | 1 |
| 3 | QPSK | 8 | 4 | 21.75 | 21.71 | 21.46 | | |
| 3 | QPSK | 8 | 7 | 21.71 | 21.61 | 21.44 | | |
| 3 | QPSK | 15 | 0 | 21.74 | 21.68 | 21.43 | | |
| 3 | 16QAM | 1 | 0 | 21.95 | 21.83 | 21.67 | 23 | 1 |
| 3 | 16QAM | 1 | 8 | 21.86 | 21.84 | 21.61 | | |
| 3 | 16QAM | 1 | 14 | 21.86 | 21.80 | 21.60 | | |
| 3 | 16QAM | 8 | 0 | 20.81 | 20.72 | 20.55 | 22 | 2 |
| 3 | 16QAM | 8 | 4 | 20.83 | 20.78 | 20.53 | | |
| 3 | 16QAM | 8 | 7 | 20.74 | 20.70 | 20.47 | | |
| 3 | 16QAM | 15 | 0 | 20.75 | 20.71 | 20.49 | | |
| 3 | 64QAM | 1 | 0 | 20.87 | 20.81 | 20.66 | 22 | 2 |
| 3 | 64QAM | 1 | 8 | 20.90 | 20.90 | 20.59 | | |
| 3 | 64QAM | 1 | 14 | 20.80 | 20.78 | 20.48 | | |
| 3 | 64QAM | 8 | 0 | 19.86 | 19.72 | 19.58 | 21 | 3 |
| 3 | 64QAM | 8 | 4 | 19.83 | 19.76 | 19.57 | | |
| 3 | 64QAM | 8 | 7 | 19.75 | 19.73 | 19.50 | | |
| 3 | 64QAM | 15 | 0 | 19.77 | 19.70 | 19.51 | | |
| Channel | | | | 131979 | 132322 | 132665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | | |
| 1.4 | QPSK | 1 | 0 | 22.46 | 22.50 | 22.29 | 24 | 0 |
| 1.4 | QPSK | 1 | 3 | 22.51 | 22.57 | 22.35 | | |
| 1.4 | QPSK | 1 | 5 | 22.56 | 22.48 | 22.26 | | |
| 1.4 | QPSK | 3 | 0 | 22.56 | 22.57 | 22.33 | | |
| 1.4 | QPSK | 3 | 1 | 22.59 | 22.56 | 22.37 | | |
| 1.4 | QPSK | 3 | 3 | 22.58 | 22.54 | 22.36 | | |
| 1.4 | QPSK | 6 | 0 | 21.64 | 21.63 | 21.38 | 23 | 1 |
| 1.4 | 16QAM | 1 | 0 | 21.87 | 21.83 | 21.60 | 23 | 1 |
| 1.4 | 16QAM | 1 | 3 | 21.91 | 21.91 | 21.65 | | |
| 1.4 | 16QAM | 1 | 5 | 21.81 | 21.73 | 21.53 | | |
| 1.4 | 16QAM | 3 | 0 | 21.68 | 21.66 | 21.42 | | |
| 1.4 | 16QAM | 3 | 1 | 21.68 | 21.70 | 21.45 | | |
| 1.4 | 16QAM | 3 | 3 | 21.67 | 21.64 | 21.44 | | |
| 1.4 | 16QAM | 6 | 0 | 20.73 | 20.70 | 20.49 | 22 | 2 |
| 1.4 | 64QAM | 1 | 0 | 20.77 | 20.79 | 20.53 | 22 | 2 |
| 1.4 | 64QAM | 1 | 3 | 20.82 | 20.79 | 20.59 | | |
| 1.4 | 64QAM | 1 | 5 | 20.71 | 20.75 | 20.49 | | |
| 1.4 | 64QAM | 3 | 0 | 20.77 | 20.77 | 20.52 | | |
| 1.4 | 64QAM | 3 | 1 | 20.83 | 20.79 | 20.55 | | |
| 1.4 | 64QAM | 3 | 3 | 20.74 | 20.70 | 20.50 | | |
| 1.4 | 64QAM | 6 | 0 | 19.67 | 19.67 | 19.39 | 21 | 3 |

## Band 38(only on channel required)_ANT 1(DSI2/DSI4)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 37850 | 38000 | 38150 | | |
| Frequency (MHz) | | | | 2580 | 2595 | 2610 | | |
| 20 | QPSK | 1 | 0 | 22.81 | 22.68 | 22.69 | 24 | 0 |
| 20 | QPSK | 1 | 49 | 22.84 | 22.66 | 22.76 | | |
| 20 | QPSK | 1 | 99 | 22.83 | 22.64 | 22.74 | | |
| 20 | QPSK | 50 | 0 | 21.84 | 21.63 | 21.75 | 23 | 1 |
| 20 | QPSK | 50 | 24 | 22.02 | 21.83 | 21.89 | | |
| 20 | QPSK | 50 | 50 | 21.94 | 21.72 | 21.76 | | |
| 20 | QPSK | 100 | 0 | 21.93 | 21.71 | 21.74 | | |
| 20 | 16QAM | 1 | 0 | 22.16 | 21.83 | 21.86 | 23 | 1 |
| 20 | 16QAM | 1 | 49 | 22.01 | 21.78 | 21.84 | | |
| 20 | 16QAM | 1 | 99 | 21.95 | 21.81 | 21.78 | | |
| 20 | 16QAM | 50 | 0 | 20.84 | 20.73 | 20.64 | 22 | 2 |
| 20 | 16QAM | 50 | 24 | 21.07 | 20.83 | 20.74 | | |
| 20 | 16QAM | 50 | 50 | 20.90 | 20.62 | 20.73 | | |
| 20 | 16QAM | 100 | 0 | 20.99 | 20.66 | 20.66 | | |
| 20 | 64QAM | 1 | 0 | 20.83 | 20.48 | 20.66 | 22 | 2 |
| 20 | 64QAM | 1 | 49 | 20.84 | 20.57 | 20.61 | | |
| 20 | 64QAM | 1 | 99 | 20.71 | 20.48 | 20.70 | | |
| 20 | 64QAM | 50 | 0 | 19.90 | 19.62 | 19.67 | 21 | 3 |
| 20 | 64QAM | 50 | 24 | 20.04 | 19.85 | 19.76 | | |
| 20 | 64QAM | 50 | 50 | 19.92 | 19.83 | 19.75 | | |
| 20 | 64QAM | 100 | 0 | 19.99 | 19.74 | 19.67 | | |
| Channel | | | | 37825 | 38000 | 38175 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2577.5 | 2595 | 2612.5 | | |
| 15 | QPSK | 1 | 0 | 22.82 | 22.63 | 22.82 | 24 | 0 |
| 15 | QPSK | 1 | 37 | 22.81 | 22.77 | 22.82 | | |
| 15 | QPSK | 1 | 74 | 22.78 | 22.69 | 22.72 | | |
| 15 | QPSK | 36 | 0 | 21.93 | 21.67 | 21.68 | 23 | 1 |
| 15 | QPSK | 36 | 20 | 22.08 | 21.79 | 21.73 | | |
| 15 | QPSK | 36 | 39 | 21.95 | 21.79 | 21.84 | | |
| 15 | QPSK | 75 | 0 | 22.01 | 21.77 | 21.61 | | |
| 15 | 16QAM | 1 | 0 | 22.03 | 21.83 | 22.04 | 23 | 1 |
| 15 | 16QAM | 1 | 37 | 21.82 | 21.81 | 21.89 | | |
| 15 | 16QAM | 1 | 74 | 22.16 | 21.80 | 21.95 | | |
| 15 | 16QAM | 36 | 0 | 20.91 | 20.57 | 20.72 | 22 | 2 |
| 15 | 16QAM | 36 | 20 | 21.02 | 20.81 | 20.85 | | |
| 15 | 16QAM | 36 | 39 | 20.97 | 20.65 | 20.73 | | |
| 15 | 16QAM | 75 | 0 | 20.93 | 20.74 | 20.70 | | |
| 15 | 64QAM | 1 | 0 | 20.77 | 20.55 | 20.47 | 22 | 2 |
| 15 | 64QAM | 1 | 37 | 20.76 | 20.45 | 20.60 | | |
| 15 | 64QAM | 1 | 74 | 20.73 | 20.67 | 20.64 | | |
| 15 | 64QAM | 36 | 0 | 19.94 | 19.67 | 19.73 | 21 | 3 |
| 15 | 64QAM | 36 | 20 | 20.07 | 19.71 | 19.81 | | |
| 15 | 64QAM | 36 | 39 | 19.90 | 19.74 | 19.80 | | |
| 15 | 64QAM | 75 | 0 | 19.93 | 19.78 | 19.83 | | |
| Channel | | | | 37800 | 38000 | 38200 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2575 | 2595 | 2615 | | |
| 10 | QPSK | 1 | 0 | 22.67 | 22.56 | 22.74 | 24 | 0 |
| 10 | QPSK | 1 | 25 | 22.82 | 22.72 | 22.68 | | |
| 10 | QPSK | 1 | 49 | 22.71 | 22.78 | 22.75 | | |
| 10 | QPSK | 25 | 0 | 21.98 | 21.60 | 21.68 | 23 | 1 |
| 10 | QPSK | 25 | 12 | 22.02 | 21.77 | 21.83 | | |
| 10 | QPSK | 25 | 25 | 22.00 | 21.73 | 21.81 | | |
| 10 | QPSK | 50 | 0 | 21.95 | 21.72 | 21.81 | | |
| 10 | 16QAM | 1 | 0 | 21.87 | 21.83 | 22.03 | 23 | 1 |
| 10 | 16QAM | 1 | 25 | 22.13 | 21.82 | 21.79 | | |
| 10 | 16QAM | 1 | 49 | 21.82 | 21.66 | 21.91 | | |
| 10 | 16QAM | 25 | 0 | 20.87 | 20.64 | 20.70 | 22 | 2 |
| 10 | 16QAM | 25 | 12 | 21.10 | 20.84 | 20.73 | | |
| 10 | 16QAM | 25 | 25 | 20.98 | 20.60 | 20.79 | | |
| 10 | 16QAM | 50 | 0 | 20.98 | 20.79 | 20.80 | | |
| 10 | 64QAM | 1 | 0 | 20.44 | 20.53 | 20.52 | 22 | 2 |
| 10 | 64QAM | 1 | 25 | 20.89 | 20.46 | 20.70 | | |
| 10 | 64QAM | 1 | 49 | 20.39 | 20.43 | 20.70 | | |
| 10 | 64QAM | 25 | 0 | 20.01 | 19.64 | 19.85 | 21 | 3 |
| 10 | 64QAM | 25 | 12 | 20.01 | 19.86 | 19.80 | | |
| 10 | 64QAM | 25 | 25 | 19.94 | 19.72 | 19.96 | | |
| 10 | 64QAM | 50 | 0 | 19.94 | 19.81 | 19.81 | | |
| Channel | | | | 37775 | 38000 | 38225 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2572.5 | 2595 | 2617.5 | | |
| 5 | QPSK | 1 | 0 | 22.82 | 22.54 | 22.73 | 24 | 0 |
| 5 | QPSK | 1 | 12 | 22.82 | 22.57 | 22.71 | | |
| 5 | QPSK | 1 | 24 | 22.82 | 22.65 | 22.69 | | |
| 5 | QPSK | 12 | 0 | 22.00 | 21.63 | 21.83 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 22.11 | 21.86 | 21.94 | | |
| 5 | QPSK | 12 | 13 | 22.07 | 21.84 | 21.96 | | |
| 5 | QPSK | 25 | 0 | 22.07 | 21.80 | 21.78 | | |
| 5 | 16QAM | 1 | 0 | 22.00 | 21.70 | 21.84 | 23 | 1 |
| 5 | 16QAM | 1 | 12 | 22.18 | 22.16 | 21.86 | | |
| 5 | 16QAM | 1 | 24 | 22.13 | 21.80 | 21.88 | | |
| 5 | 16QAM | 12 | 0 | 20.95 | 20.65 | 20.85 | 22 | 2 |
| 5 | 16QAM | 12 | 7 | 21.01 | 20.84 | 20.84 | | |
| 5 | 16QAM | 12 | 13 | 21.07 | 20.79 | 20.81 | | |
| 5 | 16QAM | 25 | 0 | 21.11 | 20.71 | 20.89 | | |
| 5 | 64QAM | 1 | 0 | 20.78 | 20.44 | 20.66 | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 20.81 | 20.48 | 20.65 | | |
| 5 | 64QAM | 1 | 24 | 20.71 | 20.50 | 20.58 | | |
| 5 | 64QAM | 12 | 0 | 20.10 | 19.76 | 19.85 | 21 | 3 |
| 5 | 64QAM | 12 | 7 | 20.10 | 19.79 | 19.86 | | |
| 5 | 64QAM | 12 | 13 | 20.04 | 19.76 | 19.89 | | |
| 5 | 64QAM | 25 | 0 | 20.02 | 19.87 | 19.84 | | |

## Band 41 (2.6G Band)_ANT 1(DSI2/DSI4)

| 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) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel | | | | 39750 | 40185 | 40620 | 41055 | 41490 | | |
| Frequency (MHz) | | | | 2506 | 2549.5 | 2593 | 2636.5 | 2680 | | |
| 20 | QPSK | 1 | 0 | 22.85 | 22.86 | 22.45 | 22.50 | 22.47 | 24 | 0 |
| 20 | QPSK | 1 | 49 | 22.77 | 22.87 | 22.61 | 22.71 | 22.67 | | |
| 20 | QPSK | 1 | 99 | 22.76 | 22.81 | 22.44 | 22.51 | 22.49 | | |
| 20 | QPSK | 50 | 0 | 21.81 | 21.86 | 21.67 | 21.81 | 21.71 | 23 | 1 |
| 20 | QPSK | 50 | 24 | 22.02 | 22.04 | 21.81 | 21.86 | 21.83 | | |
| 20 | QPSK | 50 | 50 | 21.89 | 21.91 | 21.71 | 21.76 | 21.73 | | |
| 20 | QPSK | 100 | 0 | 21.87 | 22.10 | 21.74 | 21.79 | 21.77 | | |
| 20 | 16QAM | 1 | 0 | 21.93 | 21.96 | 21.54 | 21.55 | 21.54 | 23 | 1 |
| 20 | 16QAM | 1 | 49 | 21.96 | 22.01 | 21.88 | 21.82 | 21.82 | | |
| 20 | 16QAM | 1 | 99 | 21.83 | 22.03 | 21.64 | 21.54 | 21.71 | | |
| 20 | 16QAM | 50 | 0 | 20.75 | 20.91 | 20.79 | 20.74 | 20.59 | 22 | 2 |
| 20 | 16QAM | 50 | 24 | 21.08 | 20.99 | 20.90 | 20.86 | 20.88 | | |
| 20 | 16QAM | 50 | 50 | 20.93 | 20.89 | 20.86 | 20.65 | 20.74 | | |
| 20 | 16QAM | 100 | 0 | 20.94 | 21.03 | 20.86 | 20.71 | 20.74 | | |
| 20 | 64QAM | 1 | 0 | 20.71 | 20.71 | 20.36 | 20.45 | 20.28 | 22 | 2 |
| 20 | 64QAM | 1 | 49 | 20.66 | 20.75 | 20.56 | 20.62 | 20.53 | | |
| 20 | 64QAM | 1 | 99 | 20.61 | 20.66 | 20.32 | 20.57 | 20.37 | | |
| 20 | 64QAM | 50 | 0 | 19.85 | 19.85 | 19.69 | 19.68 | 19.56 | 21 | 3 |
| 20 | 64QAM | 50 | 24 | 20.05 | 20.04 | 19.87 | 19.89 | 19.84 | | |
| 20 | 64QAM | 50 | 50 | 19.93 | 19.96 | 19.85 | 19.72 | 19.83 | | |
| 20 | 64QAM | 100 | 0 | 19.92 | 20.01 | 19.86 | 19.80 | 19.74 | | |
| Channel | | | | 39725 | 40173 | 40620 | 41068 | 41515 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2503.5 | 2548.3 | 2593 | 2637.8 | 2682.5 | | |
| 15 | QPSK | 1 | 0 | 22.70 | 22.66 | 22.52 | 22.54 | 22.31 | 24.00 | 0 |
| 15 | QPSK | 1 | 37 | 22.74 | 22.81 | 22.73 | 22.52 | 22.58 | | |
| 15 | QPSK | 1 | 74 | 22.70 | 22.77 | 22.60 | 22.42 | 22.62 | | |
| 15 | QPSK | 36 | 0 | 21.82 | 22.07 | 21.64 | 21.65 | 21.60 | 23 | 1 |
| 15 | QPSK | 36 | 20 | 21.91 | 21.96 | 21.79 | 21.64 | 21.65 | | |
| 15 | QPSK | 36 | 39 | 21.88 | 21.90 | 21.76 | 21.59 | 21.74 | | |
| 15 | QPSK | 75 | 0 | 21.89 | 21.92 | 21.80 | 21.62 | 21.64 | | |
| 15 | 16QAM | 1 | 0 | 21.89 | 21.79 | 21.57 | 21.64 | 21.44 | 23 | 1 |
| 15 | 16QAM | 1 | 37 | 21.81 | 21.89 | 21.64 | 21.65 | 21.68 | | |
| 15 | 16QAM | 1 | 74 | 21.87 | 21.80 | 21.65 | 21.47 | 21.67 | | |
| 15 | 16QAM | 36 | 0 | 20.74 | 20.97 | 20.66 | 20.57 | 20.51 | 22 | 2 |
| 15 | 16QAM | 36 | 20 | 20.77 | 20.96 | 20.79 | 20.56 | 20.57 | | |
| 15 | 16QAM | 36 | 39 | 20.81 | 20.89 | 20.72 | 20.62 | 20.65 | | |
| 15 | 16QAM | 75 | 0 | 20.83 | 20.91 | 20.74 | 20.69 | 20.63 | | |
| 15 | 64QAM | 1 | 0 | 20.56 | 20.59 | 20.19 | 20.37 | 20.23 | 22 | 2 |
| 15 | 64QAM | 1 | 37 | 20.59 | 20.64 | 20.58 | 20.56 | 20.51 | | |
| 15 | 64QAM | 1 | 74 | 20.62 | 20.53 | 20.41 | 20.16 | 20.42 | | |
| 15 | 64QAM | 36 | 0 | 19.84 | 19.91 | 19.76 | 19.47 | 19.60 | 21 | 3 |
| 15 | 64QAM | 36 | 20 | 19.96 | 19.95 | 19.85 | 19.65 | 19.54 | | |
| 15 | 64QAM | 36 | 39 | 19.89 | 19.88 | 19.81 | 19.65 | 19.68 | | |
| 15 | 64QAM | 75 | 0 | 19.80 | 19.97 | 19.73 | 19.66 | 19.60 | | |
| Channel | | | | 39700 | 40160 | 40620 | 41080 | 41540 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2501 | 2547 | 2593 | 2639 | 2685 | | |
| 10 | QPSK | 1 | 0 | 22.79 | 22.52 | 22.47 | 22.38 | 22.37 | 24.00 | 0 |
| 10 | QPSK | 1 | 25 | 22.77 | 22.83 | 22.66 | 22.63 | 22.70 | | |
| 10 | QPSK | 1 | 49 | 22.81 | 22.60 | 22.51 | 22.36 | 22.45 | | |
| 10 | QPSK | 25 | 0 | 21.96 | 21.98 | 21.76 | 21.60 | 21.64 | 23 | 1 |
| 10 | QPSK | 25 | 12 | 21.87 | 22.03 | 21.87 | 21.60 | 21.77 | | |
| 10 | QPSK | 25 | 25 | 21.84 | 21.90 | 21.76 | 21.70 | 21.62 | | |
| 10 | QPSK | 50 | 0 | 21.78 | 21.96 | 21.82 | 21.57 | 21.47 | | |
| 10 | 16QAM | 1 | 0 | 21.84 | 21.70 | 21.56 | 21.49 | 21.42 | 23 | 1 |
| 10 | 16QAM | 1 | 25 | 21.80 | 21.91 | 21.75 | 21.73 | 21.60 | | |
| 10 | 16QAM | 1 | 49 | 21.89 | 21.73 | 21.52 | 21.48 | 21.41 | | |
| 10 | 16QAM | 25 | 0 | 20.86 | 20.91 | 20.65 | 20.61 | 20.60 | 22 | 2 |
| 10 | 16QAM | 25 | 12 | 20.87 | 21.05 | 20.83 | 20.63 | 20.70 | | |
| 10 | 16QAM | 25 | 25 | 20.75 | 20.98 | 20.75 | 20.66 | 20.60 | | |
| 10 | 16QAM | 50 | 0 | 20.82 | 21.02 | 20.77 | 20.71 | 20.54 | | |
| 10 | 64QAM | 1 | 0 | 20.46 | 20.44 | 20.09 | 20.09 | 20.12 | 22 | 2 |
| 10 | 64QAM | 1 | 25 | 20.57 | 20.41 | 20.40 | 20.49 | 20.41 | | |
| 10 | 64QAM | 1 | 49 | 20.52 | 20.43 | 20.35 | 20.19 | 20.20 | | |
| 10 | 64QAM | 25 | 0 | 19.86 | 19.93 | 19.77 | 19.76 | 19.70 | 21 | 3 |
| 10 | 64QAM | 25 | 12 | 19.92 | 20.07 | 19.86 | 19.65 | 19.61 | | |
| 10 | 64QAM | 25 | 25 | 19.86 | 20.02 | 19.77 | 19.70 | 19.70 | | |
| 10 | 64QAM | 50 | 0 | 19.78 | 19.99 | 19.83 | 19.62 | 19.62 | | |
| Channel | | | | 39675 | 40148 | 40620 | 41093 | 41565 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2498.5 | 2545.8 | 2593 | 2640.30 | 2687.5 | | |
| 5 | QPSK | 1 | 0 | 22.78 | 22.81 | 22.64 | 22.60 | 22.57 | 24.00 | 0 |
| 5 | QPSK | 1 | 12 | 22.75 | 22.83 | 22.60 | 22.51 | 22.49 | | |
| 5 | QPSK | 1 | 24 | 22.75 | 22.81 | 22.70 | 22.54 | 22.51 | | |
| 5 | QPSK | 12 | 0 | 21.88 | 22.03 | 21.85 | 21.76 | 21.68 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 21.86 | 21.99 | 21.76 | 21.72 | 21.68 | | |
| 5 | QPSK | 12 | 13 | 21.90 | 22.05 | 21.74 | 21.69 | 21.63 | | |
| 5 | QPSK | 25 | 0 | 21.91 | 22.01 | 21.86 | 21.76 | 21.69 | | |
| 5 | 16QAM | 1 | 0 | 21.88 | 22.00 | 21.78 | 21.77 | 21.67 | 23 | 1 |
| 5 | 16QAM | 1 | 12 | 22.00 | 21.97 | 21.79 | 21.62 | 21.65 | | |
| 5 | 16QAM | 1 | 24 | 21.92 | 21.99 | 21.85 | 21.77 | 21.60 | | |
| 5 | 16QAM | 12 | 0 | 20.94 | 21.05 | 20.82 | 20.68 | 20.58 | 22 | 2 |
| 5 | 16QAM | 12 | 7 | 20.88 | 20.95 | 20.75 | 20.63 | 20.66 | | |
| 5 | 16QAM | 12 | 13 | 20.80 | 20.95 | 20.84 | 20.66 | 20.60 | | |
| 5 | 16QAM | 25 | 0 | 20.89 | 21.06 | 20.83 | 20.68 | 20.67 | | |
| 5 | 64QAM | 1 | 0 | 20.67 | 20.78 | 20.54 | 20.60 | 20.42 | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 20.51 | 20.72 | 20.47 | 20.40 | 20.44 | | |
| 5 | 64QAM | 1 | 24 | 20.60 | 20.69 | 20.49 | 20.37 | 20.33 | | |
| 5 | 64QAM | 12 | 0 | 19.92 | 20.04 | 19.81 | 19.64 | 19.70 | 21 | 3 |
| 5 | 64QAM | 12 | 7 | 19.92 | 20.05 | 19.93 | 19.71 | 19.73 | | |
| 5 | 64QAM | 12 | 13 | 19.94 | 20.04 | 19.89 | 19.74 | 19.68 | | |
| 5 | 64QAM | 25 | 0 | 19.88 | 20.04 | 19.88 | 19.72 | 19.72 | | |

## Band 42(3.5GHz Band)_ANT 4(DSI2/DSI4)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 42190 | 42590 | 42990 | | |
| Frequency (MHz) | | | | 3460 | 3500 | 3540 | | |
| 20 | QPSK | 1 | 0 | 23.49 | 23.27 | 23.31 | 24 | 0 |
| 20 | QPSK | 1 | 49 | 23.50 | 23.26 | 23.35 | | |
| 20 | QPSK | 1 | 99 | 23.33 | 23.15 | 23.27 | | |
| 20 | QPSK | 50 | 0 | 22.59 | 22.29 | 22.34 | 23 | 1 |
| 20 | QPSK | 50 | 24 | 22.60 | 22.33 | 22.39 | | |
| 20 | QPSK | 50 | 50 | 22.44 | 22.29 | 22.37 | | |
| 20 | QPSK | 100 | 0 | 22.49 | 22.37 | 22.43 | | |
| 20 | 16QAM | 1 | 0 | 22.57 | 22.36 | 22.43 | 23 | 1 |
| 20 | 16QAM | 1 | 49 | 22.46 | 22.31 | 22.37 | | |
| 20 | 16QAM | 1 | 99 | 22.40 | 22.19 | 22.33 | | |
| 20 | 16QAM | 50 | 0 | 21.60 | 21.31 | 21.33 | 22 | 2 |
| 20 | 16QAM | 50 | 24 | 21.61 | 21.38 | 21.44 | | |
| 20 | 16QAM | 50 | 50 | 21.49 | 21.33 | 21.39 | | |
| 20 | 16QAM | 100 | 0 | 21.58 | 21.34 | 21.41 | | |
| 20 | 64QAM | 1 | 0 | 21.29 | 21.04 | 21.12 | 22 | 2 |
| 20 | 64QAM | 1 | 49 | 21.23 | 21.07 | 21.15 | | |
| 20 | 64QAM | 1 | 99 | 21.17 | 20.97 | 21.06 | | |
| 20 | 64QAM | 50 | 0 | 20.60 | 20.34 | 20.37 | 21 | 3 |
| 20 | 64QAM | 50 | 24 | 20.59 | 20.37 | 20.46 | | |
| 20 | 64QAM | 50 | 50 | 20.48 | 20.30 | 20.43 | | |
| 20 | 64QAM | 100 | 0 | 20.53 | 20.39 | 20.41 | | |
| Channel | | | | 42165 | 42590 | 43015 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3457.5 | 3500 | 3542.5 | | |
| 15 | QPSK | 1 | 0 | 23.39 | 23.20 | 23.23 | 24 | 0 |
| 15 | QPSK | 1 | 37 | 23.34 | 23.16 | 23.23 | | |
| 15 | QPSK | 1 | 74 | 23.29 | 23.13 | 23.18 | | |
| 15 | QPSK | 36 | 0 | 22.52 | 22.26 | 22.30 | 23 | 1 |
| 15 | QPSK | 36 | 20 | 22.55 | 22.36 | 22.38 | | |
| 15 | QPSK | 36 | 39 | 22.46 | 22.27 | 22.37 | | |
| 15 | QPSK | 75 | 0 | 22.54 | 22.35 | 22.29 | | |
| 15 | 16QAM | 1 | 0 | 22.57 | 22.36 | 22.44 | 23 | 1 |
| 15 | 16QAM | 1 | 37 | 22.46 | 22.29 | 22.37 | | |
| 15 | 16QAM | 1 | 74 | 22.43 | 22.29 | 22.36 | | |
| 15 | 16QAM | 36 | 0 | 21.55 | 21.28 | 21.29 | 22 | 2 |
| 15 | 16QAM | 36 | 20 | 21.48 | 21.27 | 21.30 | | |
| 15 | 16QAM | 36 | 39 | 21.45 | 21.26 | 21.36 | | |
| 15 | 16QAM | 75 | 0 | 21.50 | 21.32 | 21.31 | | |
| 15 | 64QAM | 1 | 0 | 21.27 | 21.06 | 21.06 | 22 | 2 |
| 15 | 64QAM | 1 | 37 | 21.27 | 21.11 | 21.19 | | |
| 15 | 64QAM | 1 | 74 | 21.16 | 21.03 | 21.12 | | |
| 15 | 64QAM | 36 | 0 | 20.57 | 20.32 | 20.39 | 21 | 3 |
| 15 | 64QAM | 36 | 20 | 20.54 | 20.38 | 20.36 | | |
| 15 | 64QAM | 36 | 39 | 20.46 | 20.28 | 20.40 | | |
| 15 | 64QAM | 75 | 0 | 20.53 | 20.32 | 20.33 | | |
| Channel | | | | 42140 | 42590 | 43040 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3455 | 3500 | 3545 | | |
| 10 | QPSK | 1 | 0 | 23.37 | 23.16 | 23.22 | 24 | 0 |
| 10 | QPSK | 1 | 25 | 23.36 | 23.18 | 23.27 | | |
| 10 | QPSK | 1 | 49 | 23.33 | 23.11 | 23.24 | | |
| 10 | QPSK | 25 | 0 | 22.55 | 22.28 | 22.35 | 23 | 1 |
| 10 | QPSK | 25 | 12 | 22.58 | 22.33 | 22.41 | | |
| 10 | QPSK | 25 | 25 | 22.52 | 22.28 | 22.38 | | |
| 10 | QPSK | 50 | 0 | 22.56 | 22.34 | 22.42 | | |
| 10 | 16QAM | 1 | 0 | 22.59 | 22.33 | 22.44 | 23 | 1 |
| 10 | 16QAM | 1 | 25 | 22.55 | 22.35 | 22.42 | | |
| 10 | 16QAM | 1 | 49 | 22.44 | 22.27 | 22.34 | | |
| 10 | 16QAM | 25 | 0 | 21.51 | 21.25 | 21.31 | 22 | 2 |
| 10 | 16QAM | 25 | 12 | 21.56 | 21.37 | 21.47 | | |
| 10 | 16QAM | 25 | 25 | 21.50 | 21.27 | 21.41 | | |
| 10 | 16QAM | 50 | 0 | 21.61 | 21.36 | 21.47 | | |
| 10 | 64QAM | 1 | 0 | 21.32 | 21.04 | 21.11 | 22 | 2 |
| 10 | 64QAM | 1 | 25 | 21.26 | 21.03 | 21.16 | | |
| 10 | 64QAM | 1 | 49 | 21.22 | 21.05 | 21.14 | | |
| 10 | 64QAM | 25 | 0 | 20.65 | 20.35 | 20.39 | 21 | 3 |
| 10 | 64QAM | 25 | 12 | 20.67 | 20.41 | 20.48 | | |
| 10 | 64QAM | 25 | 25 | 20.63 | 20.37 | 20.50 | | |
| 10 | 64QAM | 50 | 0 | 20.60 | 20.37 | 20.44 | | |
| Channel | | | | 42115 | 42590 | 43065 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3452.5 | 3500 | 3547.5 | | |
| 5 | QPSK | 1 | 0 | 23.47 | 23.28 | 23.30 | 24 | 0 |
| 5 | QPSK | 1 | 12 | 23.45 | 23.24 | 23.32 | | |
| 5 | QPSK | 1 | 24 | 23.38 | 23.22 | 23.31 | | |
| 5 | QPSK | 12 | 0 | 22.55 | 22.37 | 22.38 | 23 | 1 |
| 5 | QPSK | 12 | 7 | 22.58 | 22.34 | 22.44 | | |
| 5 | QPSK | 12 | 13 | 22.56 | 22.34 | 22.32 | | |
| 5 | QPSK | 25 | 0 | 22.51 | 22.29 | 22.34 | | |
| 5 | 16QAM | 1 | 0 | 22.62 | 22.37 | 22.39 | 23 | 1 |
| 5 | 16QAM | 1 | 12 | 22.67 | 22.42 | 22.54 | | |
| 5 | 16QAM | 1 | 24 | 22.61 | 22.35 | 22.51 | | |
| 5 | 16QAM | 12 | 0 | 21.56 | 21.33 | 21.38 | 22 | 2 |
| 5 | 16QAM | 12 | 7 | 21.60 | 21.35 | 21.36 | | |
| 5 | 16QAM | 12 | 13 | 21.53 | 21.31 | 21.35 | | |
| 5 | 16QAM | 25 | 0 | 21.61 | 21.34 | 21.37 | | |
| 5 | 64QAM | 1 | 0 | 21.36 | 21.11 | 21.14 | 22 | 2 |
| 5 | 64QAM | 1 | 12 | 21.37 | 21.08 | 21.24 | | |
| 5 | 64QAM | 1 | 24 | 21.29 | 21.10 | 21.24 | | |
| 5 | 64QAM | 12 | 0 | 20.60 | 20.34 | 20.39 | 21 | 3 |
| 5 | 64QAM | 12 | 7 | 20.59 | 20.38 | 20.42 | | |
| 5 | 64QAM | 12 | 13 | 20.59 | 20.31 | 20.45 | | |
| 5 | 64QAM | 25 | 0 | 20.65 | 20.39 | 20.44 | | |

## Reduced Power Mode for WWAN

**DSI3/DSI7**

| GSM850_ANT 1 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|---|---|---|---|---|---|---|---|---|
| TX Channel | 128 | 189 | 251 | | 128 | 189 | 251 | |
| Frequency (MHz) | 824.2 | 836.4 | 848.8 | | 824.2 | 836.4 | 848.8 | |
| GSM 1 Tx slot | 32.19 | 32.08 | 31.94 | 33.00 | 23.19 | 23.08 | 22.94 | 24.00 |
| GPRS 1 Tx slot | 32.16 | 32.05 | 31.91 | 33.00 | 23.16 | 23.05 | 22.91 | 24.00 |
| GPRS 2 Tx slots | 29.50 | 29.27 | 29.01 | 30.00 | 23.50 | 23.27 | 23.01 | 24.00 |
| GPRS 3 Tx slots | 27.67 | 27.41 | 27.18 | 28.50 | 23.41 | 23.15 | 22.92 | 24.24 |
| GPRS 4 Tx slots | 26.23 | 25.92 | 25.67 | 27.00 | 23.23 | 22.92 | 22.67 | 24.00 |
| EDGE 1 Tx slot | 26.10 | 26.01 | 25.82 | 27.00 | 17.10 | 17.01 | 16.82 | 18.00 |
| EDGE 2 Tx slots | 25.94 | 25.98 | 25.75 | 26.50 | 19.94 | 19.98 | 19.75 | 20.50 |
| EDGE 3 Tx slots | 24.05 | 24.02 | 23.71 | 25.00 | 19.79 | 19.76 | 19.45 | 20.74 |
| EDGE 4 Tx slots | 22.99 | 22.92 | 22.81 | 24.00 | 19.99 | 19.92 | 19.81 | 21.00 |

**DSI3/DSI7**

| GSM1900_ANT 1 | Burst Average Power (dBm) | | | Tune-up Limit (dBm) | Frame-Average Power (dBm) | | | Tune-up Limit (dBm) |
|---|---|---|---|---|---|---|---|---|
| TX Channel | 512 | 661 | 810 | | 512 | 661 | 810 | |
| Frequency (MHz) | 1850.2 | 1880 | 1909.8 | | 1850.2 | 1880 | 1909.8 | |
| GSM 1 Tx slot | 25.80 | 26.11 | 25.72 | 27.00 | 16.80 | 17.11 | 16.72 | 18.00 |
| GPRS 1 Tx slot | 25.77 | 26.05 | 25.63 | 27.00 | 16.77 | 17.05 | 16.63 | 18.00 |
| GPRS 2 Tx slots | 22.78 | 22.95 | 22.80 | 24.50 | 16.78 | 16.95 | 16.80 | 18.50 |
| GPRS 3 Tx slots | 20.94 | 21.05 | 20.87 | 22.00 | 16.68 | 16.79 | 16.61 | 17.74 |
| GPRS 4 Tx slots | 19.40 | 19.64 | 19.65 | 20.50 | 16.40 | 16.64 | 16.65 | 17.50 |
| EDGE 1 Tx slot | 24.95 | 25.00 | 24.92 | 26.00 | 15.95 | 16.00 | 15.92 | 17.00 |
| EDGE 2 Tx slots | 22.40 | 22.42 | 22.33 | 23.50 | 16.40 | 16.42 | 16.33 | 17.50 |
| EDGE 3 Tx slots | 21.05 | 21.24 | 20.97 | 22.00 | 16.79 | 16.98 | 16.71 | 17.74 |
| EDGE 4 Tx slots | 19.40 | 19.66 | 19.30 | 20.50 | 16.40 | 16.66 | 16.30 | 17.50 |

**DSI3/DSI7** **DSI3/DSI7**

| Band | | WCDMA II_ANT 1 | | | Tune-up Limit (dBm) | WCDMA IV_ANT 1 | | | Tune-up Limit (dBm) |
|---|---|---|---|---|---|---|---|---|---|
| TX Channel | | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | |
| Rx Channel | | 9662 | 9800 | 9938 | | 1537 | 1638 | 1738 | |
| Frequency (MHz) | | 1852.4 | 1880 | 1907.6 | | 1712.4 | 1732.6 | 1752.6 | |
| 3GPP Rel 99 | AMR 12.2Kbps | 16.47 | 16.69 | 16.58 | 17.50 | 15.48 | 15.57 | 15.49 | 16.50 |
| 3GPP Rel 99 | RMC 12.2Kbps | 16.66 | 16.73 | 16.74 | 17.50 | 15.52 | 15.59 | 15.51 | 16.50 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 15.30 | 15.40 | 15.33 | 16.50 | 14.48 | 14.52 | 14.44 | 15.50 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 15.32 | 15.38 | 15.32 | 16.50 | 14.63 | 14.71 | 14.59 | 15.50 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 14.70 | 14.78 | 14.76 | 16.00 | 13.86 | 13.95 | 13.80 | 15.00 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 14.66 | 14.80 | 14.68 | 16.00 | 13.93 | 14.00 | 13.91 | 15.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 15.26 | 15.36 | 15.26 | 16.50 | 14.44 | 14.49 | 14.37 | 15.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 15.23 | 15.30 | 15.27 | 16.50 | 14.58 | 14.66 | 14.57 | 15.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 14.62 | 14.75 | 14.70 | 16.00 | 13.87 | 13.93 | 13.81 | 15.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 14.59 | 14.71 | 14.65 | 16.00 | 13.88 | 13.91 | 13.78 | 15.00 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 15.65 | 15.80 | 15.55 | 16.50 | 14.43 | 14.47 | 14.38 | 15.50 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 13.70 | 13.87 | 13.42 | 14.50 | 12.45 | 12.49 | 12.34 | 13.50 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 14.80 | 14.88 | 14.54 | 15.50 | 13.84 | 13.87 | 13.78 | 14.50 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 13.76 | 13.79 | 13.48 | 14.50 | 12.40 | 12.48 | 12.38 | 13.50 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 15.70 | 15.78 | 15.54 | 16.50 | 14.41 | 14.47 | 14.40 | 15.50 |

## Band 2 (1900MHz Band)
## Part 24E_ANT 1(DSI3/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 18700 | 18900 | 19100 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 | | |
| 20 | QPSK | 1 | 0 | 15.81 | 15.96 | 15.88 | | |
| 20 | QPSK | 1 | 49 | 15.88 | 15.93 | 16.07 | 17 | 0 |
| 20 | QPSK | 1 | 99 | 15.67 | 15.79 | 15.54 | | |
| 20 | QPSK | 50 | 0 | 15.89 | 15.83 | 16.03 | | |
| 20 | QPSK | 50 | 24 | 15.89 | 15.99 | 16.04 | 17 | 0 |
| 20 | QPSK | 50 | 50 | 15.71 | 15.83 | 15.62 | | |
| 20 | QPSK | 100 | 0 | 15.84 | 15.95 | 15.96 | | |
| 20 | 16QAM | 1 | 0 | 16.01 | 16.04 | 16.03 | | |
| 20 | 16QAM | 1 | 49 | 15.91 | 16.05 | 15.85 | 17 | 0 |
| 20 | 16QAM | 1 | 99 | 15.95 | 16.01 | 15.86 | | |
| 20 | 16QAM | 50 | 0 | 15.86 | 15.96 | 15.85 | | |
| 20 | 16QAM | 50 | 24 | 15.89 | 16.02 | 15.84 | 17 | 0 |
| 20 | 16QAM | 50 | 50 | 15.94 | 16.04 | 15.83 | | |
| 20 | 16QAM | 100 | 0 | 15.70 | 15.77 | 15.57 | | |
| 20 | 64QAM | 1 | 0 | 15.80 | 15.98 | 15.90 | | |
| 20 | 64QAM | 1 | 49 | 15.72 | 15.93 | 15.72 | 17 | 0 |
| 20 | 64QAM | 1 | 99 | 15.69 | 15.90 | 15.59 | | |
| 20 | 64QAM | 50 | 0 | 15.66 | 15.89 | 15.68 | | |
| 20 | 64QAM | 50 | 24 | 15.73 | 15.86 | 15.67 | 17 | 0 |
| 20 | 64QAM | 50 | 50 | 15.74 | 15.89 | 15.67 | | |
| 20 | 64QAM | 100 | 0 | 15.71 | 15.80 | 15.61 | | |
| Channel | | | | 18675 | 18900 | 19125 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 | | |
| 15 | QPSK | 1 | 0 | 15.72 | 15.94 | 15.83 | | |
| 15 | QPSK | 1 | 37 | 15.80 | 15.87 | 16.03 | 17 | 0 |
| 15 | QPSK | 1 | 74 | 15.60 | 15.71 | 15.50 | | |
| 15 | QPSK | 36 | 0 | 15.81 | 15.93 | 15.97 | | |
| 15 | QPSK | 36 | 20 | 15.68 | 15.80 | 15.61 | 17 | 0 |
| 15 | QPSK | 36 | 39 | 15.63 | 15.81 | 15.56 | | |
| 15 | QPSK | 75 | 0 | 15.66 | 15.73 | 15.77 | | |
| 15 | 16QAM | 1 | 0 | 15.95 | 15.97 | 15.95 | | |
| 15 | 16QAM | 1 | 37 | 15.83 | 15.99 | 15.80 | 17 | 0 |
| 15 | 16QAM | 1 | 74 | 15.93 | 15.99 | 15.78 | | |
| 15 | 16QAM | 36 | 0 | 15.78 | 15.94 | 15.81 | | |
| 15 | 16QAM | 36 | 20 | 15.81 | 15.93 | 15.78 | 17 | 0 |
| 15 | 16QAM | 36 | 39 | 15.92 | 15.98 | 15.76 | | |
| 15 | 16QAM | 75 | 0 | 15.68 | 15.74 | 15.48 | | |
| 15 | 64QAM | 1 | 0 | 15.74 | 15.93 | 15.87 | | |
| 15 | 64QAM | 1 | 37 | 15.69 | 15.89 | 15.66 | 17 | 0 |
| 15 | 64QAM | 1 | 74 | 15.61 | 15.86 | 15.50 | | |
| 15 | 64QAM | 36 | 0 | 15.59 | 15.87 | 15.63 | | |
| 15 | 64QAM | 36 | 20 | 15.67 | 15.84 | 15.60 | 17 | 0 |
| 15 | 64QAM | 36 | 39 | 15.65 | 15.84 | 15.64 | | |
| 15 | 64QAM | 75 | 0 | 15.68 | 15.71 | 15.59 | | |
| Channel | | | | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 | | |
| 10 | QPSK | 1 | 0 | 15.74 | 15.91 | 15.83 | | |
| 10 | QPSK | 1 | 25 | 15.85 | 15.90 | 16.00 | 17 | 0 |
| 10 | QPSK | 1 | 49 | 15.65 | 15.76 | 15.45 | | |
| 10 | QPSK | 25 | 0 | 15.80 | 15.97 | 15.98 | | |
| 10 | QPSK | 25 | 12 | 15.66 | 15.74 | 15.60 | 17 | 0 |
| 10 | QPSK | 25 | 25 | 15.65 | 15.75 | 15.56 | | |
| 10 | QPSK | 50 | 0 | 15.63 | 15.79 | 15.78 | | |
| 10 | 16QAM | 1 | 0 | 15.92 | 15.98 | 15.95 | | |
| 10 | 16QAM | 1 | 25 | 15.85 | 16.03 | 15.78 | 17 | 0 |
| 10 | 16QAM | 1 | 49 | 15.88 | 15.99 | 15.78 | | |
| 10 | 16QAM | 25 | 0 | 15.81 | 15.93 | 15.83 | | |
| 10 | 16QAM | 25 | 12 | 15.83 | 15.94 | 15.82 | 17 | 0 |
| 10 | 16QAM | 25 | 25 | 15.86 | 15.96 | 15.75 | | |
| 10 | 16QAM | 50 | 0 | 15.61 | 15.75 | 15.50 | | |
| 10 | 64QAM | 1 | 0 | 15.74 | 15.94 | 15.85 | | |
| 10 | 64QAM | 1 | 25 | 15.69 | 15.88 | 15.67 | 17 | 0 |
| 10 | 64QAM | 1 | 49 | 15.62 | 15.83 | 15.55 | | |
| 10 | 64QAM | 25 | 0 | 15.59 | 15.83 | 15.62 | | |
| 10 | 64QAM | 25 | 12 | 15.67 | 15.82 | 15.65 | 17 | 0 |
| 10 | 64QAM | 25 | 25 | 15.66 | 15.87 | 15.63 | | |
| 10 | 64QAM | 50 | 0 | 15.63 | 15.76 | 15.52 | | |
| Channel | | | | 18625 | 18900 | 19175 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 | | |
| 5 | QPSK | 1 | 0 | 15.79 | 15.92 | 15.83 | | |
| 5 | QPSK | 1 | 12 | 15.81 | 15.84 | 15.98 | 17 | 0 |
| 5 | QPSK | 1 | 24 | 15.65 | 15.75 | 15.45 | | |
| 5 | QPSK | 12 | 0 | 15.87 | 15.93 | 15.96 | | |
| 5 | QPSK | 12 | 7 | 15.63 | 15.78 | 15.55 | 17 | 0 |
| 5 | QPSK | 12 | 13 | 15.67 | 15.75 | 15.54 | | |
| 5 | QPSK | 25 | 0 | 15.69 | 15.77 | 15.77 | | |
| 5 | 16QAM | 1 | 0 | 15.92 | 15.99 | 16.00 | | |
| 5 | 16QAM | 1 | 12 | 15.89 | 15.98 | 15.77 | 17 | 0 |
| 5 | 16QAM | 1 | 24 | 15.87 | 15.97 | 15.79 | | |
| 5 | 16QAM | 12 | 0 | 15.78 | 15.89 | 15.76 | | |
| 5 | 16QAM | 12 | 7 | 15.87 | 15.99 | 15.78 | 17 | 0 |
| 5 | 16QAM | 12 | 13 | 15.89 | 16.01 | 15.79 | | |
| 5 | 16QAM | 25 | 0 | 15.61 | 15.69 | 15.49 | | |
| 5 | 64QAM | 1 | 0 | 15.78 | 15.90 | 15.84 | | |
| 5 | 64QAM | 1 | 12 | 15.67 | 15.91 | 15.63 | 17 | 0 |
| 5 | 64QAM | 1 | 24 | 15.62 | 15.81 | 15.53 | | |
| 5 | 64QAM | 12 | 0 | 15.57 | 15.85 | 15.61 | | |
| 5 | 64QAM | 12 | 7 | 15.71 | 15.82 | 15.61 | 17 | 0 |
| 5 | 64QAM | 12 | 13 | 15.71 | 15.86 | 15.65 | | |
| 5 | 64QAM | 25 | 0 | 15.64 | 15.72 | 15.53 | | |
| Channel | | | | 18615 | 18900 | 19185 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 | | |
| 3 | QPSK | 1 | 0 | 15.73 | 15.94 | 15.85 | | |
| 3 | QPSK | 1 | 8 | 15.80 | 15.86 | 16.04 | 17 | 0 |
| 3 | QPSK | 1 | 14 | 15.63 | 15.71 | 15.45 | | |
| 3 | QPSK | 8 | 0 | 15.86 | 15.97 | 16.01 | | |
| 3 | QPSK | 8 | 4 | 15.68 | 15.74 | 15.60 | 17 | 0 |
| 3 | QPSK | 8 | 7 | 15.69 | 15.80 | 15.54 | | |
| 3 | QPSK | 15 | 0 | 15.69 | 15.79 | 15.78 | | |
| 3 | 16QAM | 1 | 0 | 15.96 | 15.97 | 16.01 | | |
| 3 | 16QAM | 1 | 8 | 15.87 | 16.01 | 15.79 | 17 | 0 |
| 3 | 16QAM | 1 | 14 | 15.93 | 15.96 | 15.79 | | |
| 3 | 16QAM | 8 | 0 | 15.83 | 15.88 | 15.80 | | |
| 3 | 16QAM | 8 | 4 | 15.87 | 16.00 | 15.77 | 17 | 0 |
| 3 | 16QAM | 8 | 7 | 15.90 | 16.01 | 15.74 | | |
| 3 | 16QAM | 15 | 0 | 15.67 | 15.69 | 15.49 | | |
| 3 | 64QAM | 1 | 0 | 15.75 | 15.91 | 15.84 | | |
| 3 | 64QAM | 1 | 8 | 15.63 | 15.85 | 15.69 | 17 | 0 |
| 3 | 64QAM | 1 | 14 | 15.67 | 15.83 | 15.55 | | |
| 3 | 64QAM | 8 | 0 | 15.57 | 15.81 | 15.60 | | |
| 3 | 64QAM | 8 | 4 | 15.71 | 15.78 | 15.65 | 17 | 0 |
| 3 | 64QAM | 8 | 7 | 15.68 | 15.82 | 15.60 | | |
| 3 | 64QAM | 15 | 0 | 15.66 | 15.76 | 15.59 | | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | | |
| 1.4 | QPSK | 1 | 0 | 15.67 | 15.86 | 15.76 | | |
| 1.4 | QPSK | 1 | 3 | 15.71 | 15.80 | 16.00 | | |
| 1.4 | QPSK | 1 | 5 | 15.52 | 15.67 | 15.41 | 17 | 0 |
| 1.4 | QPSK | 3 | 0 | 15.78 | 15.89 | 15.91 | | |
| 1.4 | QPSK | 3 | 1 | 15.64 | 15.77 | 15.56 | | |
| 1.4 | QPSK | 3 | 3 | 15.54 | 15.79 | 15.54 | | |
| 1.4 | QPSK | 6 | 0 | 15.61 | 15.69 | 15.73 | 17 | 0 |
| 1.4 | 16QAM | 1 | 0 | 15.90 | 15.93 | 15.93 | | |
| 1.4 | 16QAM | 1 | 3 | 15.81 | 15.90 | 15.74 | | |
| 1.4 | 16QAM | 1 | 5 | 15.91 | 15.94 | 15.70 | 17 | 0 |
| 1.4 | 16QAM | 3 | 0 | 15.69 | 15.85 | 15.74 | | |
| 1.4 | 16QAM | 3 | 1 | 15.72 | 15.87 | 15.71 | | |
| 1.4 | 16QAM | 3 | 3 | 15.88 | 15.92 | 15.67 | | |
| 1.4 | 16QAM | 6 | 0 | 15.65 | 15.67 | 15.45 | 17 | 0 |
| 1.4 | 64QAM | 1 | 0 | 15.66 | 15.89 | 15.83 | | |
| 1.4 | 64QAM | 1 | 3 | 15.64 | 15.86 | 15.61 | | |
| 1.4 | 64QAM | 1 | 5 | 15.53 | 15.78 | 15.45 | 17 | 0 |
| 1.4 | 64QAM | 3 | 0 | 15.53 | 15.78 | 15.59 | | |
| 1.4 | 64QAM | 3 | 1 | 15.59 | 15.82 | 15.58 | | |
| 1.4 | 64QAM | 3 | 3 | 15.58 | 15.81 | 15.61 | | |
| 1.4 | 64QAM | 6 | 0 | 15.65 | 15.66 | 15.57 | 17 | 0 |

## Band 4 (AWS Band)
## Part 27L (only on channel required)_ANT 1(DSI3/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 20050 | 20175 | 20300 | | |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 | | |
| 20 | QPSK | 1 | 0 | 15.40 | 15.46 | 15.44 | | |
| 20 | QPSK | 1 | 49 | 15.41 | 15.61 | 15.45 | 16.5 | 0 |
| 20 | QPSK | 1 | 99 | 15.28 | 15.23 | 15.08 | | |
| 20 | QPSK | 50 | 0 | 15.47 | 15.56 | 15.49 | | |
| 20 | QPSK | 50 | 24 | 15.49 | 15.50 | 15.47 | 16.5 | 0 |
| 20 | QPSK | 50 | 50 | 15.38 | 15.38 | 15.23 | | |
| 20 | QPSK | 100 | 0 | 15.46 | 15.47 | 15.38 | | |
| 20 | 16QAM | 1 | 0 | 15.46 | 15.50 | 15.54 | | |
| 20 | 16QAM | 1 | 49 | 15.34 | 15.39 | 15.29 | 16.5 | 0 |
| 20 | 16QAM | 1 | 99 | 15.37 | 15.31 | 15.18 | | |
| 20 | 16QAM | 50 | 0 | 15.49 | 15.60 | 15.57 | | |
| 20 | 16QAM | 50 | 24 | 15.48 | 15.51 | 15.46 | 16.5 | 0 |
| 20 | 16QAM | 50 | 50 | 15.42 | 15.40 | 15.24 | | |
| 20 | 16QAM | 100 | 0 | 15.47 | 15.48 | 15.42 | | |
| 20 | 64QAM | 1 | 0 | 15.40 | 15.45 | 15.40 | | |
| 20 | 64QAM | 1 | 49 | 15.30 | 15.34 | 15.19 | 16.5 | 0 |
| 20 | 64QAM | 1 | 99 | 15.34 | 15.16 | 15.10 | | |
| 20 | 64QAM | 50 | 0 | 15.25 | 15.34 | 15.35 | | |
| 20 | 64QAM | 50 | 24 | 15.27 | 15.30 | 15.25 | 16.5 | 0 |
| 20 | 64QAM | 50 | 50 | 15.20 | 15.20 | 15.04 | | |
| 20 | 64QAM | 100 | 0 | 15.24 | 15.28 | 15.24 | | |
| Channel | | | | 20025 | 20175 | 20325 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1732.5 | 1747.5 | | |
| 15 | QPSK | 1 | 0 | 15.36 | 15.38 | 15.42 | | |
| 15 | QPSK | 1 | 37 | 15.39 | 15.54 | 15.43 | 16.5 | 0 |
| 15 | QPSK | 1 | 74 | 15.26 | 15.20 | 15.01 | | |
| 15 | QPSK | 36 | 0 | 15.43 | 15.47 | 15.42 | | |
| 15 | QPSK | 36 | 20 | 15.45 | 15.48 | 15.40 | 16.5 | 0 |
| 15 | QPSK | 36 | 39 | 15.29 | 15.32 | 15.19 | | |
| 15 | QPSK | 75 | 0 | 15.44 | 15.38 | 15.30 | | |
| 15 | 16QAM | 1 | 0 | 15.38 | 15.48 | 15.48 | | |
| 15 | 16QAM | 1 | 37 | 15.29 | 15.36 | 15.21 | 16.5 | 0 |
| 15 | 16QAM | 1 | 74 | 15.29 | 15.23 | 15.11 | | |
| 15 | 16QAM | 36 | 0 | 15.42 | 15.51 | 15.51 | | |
| 15 | 16QAM | 36 | 20 | 15.44 | 15.49 | 15.43 | 16.5 | 0 |
| 15 | 16QAM | 36 | 39 | 15.35 | 15.33 | 15.18 | | |
| 15 | 16QAM | 75 | 0 | 15.39 | 15.40 | 15.40 | | |
| 15 | 64QAM | 1 | 0 | 15.37 | 15.42 | 15.38 | | |
| 15 | 64QAM | 1 | 37 | 15.22 | 15.31 | 15.12 | 16.5 | 0 |
| 15 | 64QAM | 1 | 74 | 15.29 | 15.10 | 15.01 | | |
| 15 | 64QAM | 36 | 0 | 15.18 | 15.26 | 15.28 | | |
| 15 | 64QAM | 36 | 20 | 15.18 | 15.26 | 15.22 | 16.5 | 0 |
| 15 | 64QAM | 36 | 39 | 15.13 | 15.14 | 14.99 | | |
| 15 | 64QAM | 75 | 0 | 15.21 | 15.25 | 15.21 | | |
| Channel | | | | 20000 | 20175 | 20350 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1732.5 | 1750 | | |
| 10 | QPSK | 1 | 0 | 15.37 | 15.42 | 15.36 | | |
| 10 | QPSK | 1 | 25 | 15.37 | 15.53 | 15.41 | 16.5 | 0 |
| 10 | QPSK | 1 | 49 | 15.21 | 15.18 | 15.01 | | |
| 10 | QPSK | 25 | 0 | 15.42 | 15.50 | 15.46 | | |
| 10 | QPSK | 25 | 12 | 15.41 | 15.48 | 15.39 | 16.5 | 0 |
| 10 | QPSK | 25 | 25 | 15.33 | 15.36 | 15.18 | | |
| 10 | QPSK | 50 | 0 | 15.39 | 15.44 | 15.34 | | |
| 10 | 16QAM | 1 | 0 | 15.38 | 15.47 | 15.48 | | |
| 10 | 16QAM | 1 | 25 | 15.25 | 15.37 | 15.26 | 16.5 | 0 |
| 10 | 16QAM | 1 | 49 | 15.28 | 15.25 | 15.10 | | |
| 10 | 16QAM | 25 | 0 | 15.43 | 15.58 | 15.49 | | |
| 10 | 16QAM | 25 | 12 | 15.42 | 15.44 | 15.42 | 16.5 | 0 |
| 10 | 16QAM | 25 | 25 | 15.40 | 15.37 | 15.15 | | |
| 10 | 16QAM | 50 | 0 | 15.43 | 15.41 | 15.36 | | |
| 10 | 64QAM | 1 | 0 | 15.32 | 15.37 | 15.35 | | |
| 10 | 64QAM | 1 | 25 | 15.24 | 15.27 | 15.17 | 16.5 | 0 |
| 10 | 64QAM | 1 | 49 | 15.29 | 15.11 | 15.07 | | |
| 10 | 64QAM | 25 | 0 | 15.21 | 15.28 | 15.29 | | |
| 10 | 64QAM | 25 | 12 | 15.22 | 15.28 | 15.18 | 16.5 | 0 |
| 10 | 64QAM | 25 | 25 | 15.15 | 15.13 | 14.99 | | |
| 10 | 64QAM | 50 | 0 | 15.16 | 15.19 | 15.18 | | |
| Channel | | | | 19975 | 20175 | 20375 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1732.5 | 1752.5 | | |
| 5 | QPSK | 1 | 0 | 15.32 | 15.40 | 15.37 | | |
| 5 | QPSK | 1 | 12 | 15.34 | 15.59 | 15.38 | 16.5 | 0 |
| 5 | QPSK | 1 | 24 | 15.23 | 15.14 | 15.05 | | |
| 5 | QPSK | 12 | 0 | 15.39 | 15.50 | 15.47 | | |
| 5 | QPSK | 12 | 7 | 15.40 | 15.47 | 15.39 | 16.5 | 0 |
| 5 | QPSK | 12 | 13 | 15.31 | 15.29 | 15.17 | | |
| 5 | QPSK | 25 | 0 | 15.43 | 15.38 | 15.32 | | |
| 5 | 16QAM | 1 | 0 | 15.44 | 15.48 | 15.49 | | |
| 5 | 16QAM | 1 | 12 | 15.28 | 15.34 | 15.24 | 16.5 | 0 |
| 5 | 16QAM | 1 | 24 | 15.34 | 15.23 | 15.16 | | |
| 5 | 16QAM | 12 | 0 | 15.46 | 15.54 | 15.48 | | |
| 5 | 16QAM | 12 | 7 | 15.44 | 15.48 | 15.42 | 16.5 | 0 |
| 5 | 16QAM | 12 | 13 | 15.35 | 15.37 | 15.22 | | |
| 5 | 16QAM | 25 | 0 | 15.45 | 15.46 | 15.37 | | |
| 5 | 64QAM | 1 | 0 | 15.31 | 15.38 | 15.36 | | |
| 5 | 64QAM | 1 | 12 | 15.23 | 15.31 | 15.16 | 16.5 | 0 |
| 5 | 64QAM | 1 | 24 | 15.31 | 15.07 | 15.03 | | |
| 5 | 64QAM | 12 | 0 | 15.23 | 15.29 | 15.26 | | |
| 5 | 64QAM | 12 | 7 | 15.18 | 15.22 | 15.21 | 16.5 | 0 |
| 5 | 64QAM | 12 | 13 | 15.11 | 15.15 | 14.98 | | |
| 5 | 64QAM | 25 | 0 | 15.22 | 15.19 | 15.21 | | |
| Channel | | | | 19965 | 20175 | 20385 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1711.5 | 1732.5 | 1753.5 | | |
| 3 | QPSK | 1 | 0 | 15.45 | 15.43 | 15.35 | | |
| 3 | QPSK | 1 | 8 | 15.33 | 15.52 | 15.38 | 16.5 | 0 |
| 3 | QPSK | 1 | 14 | 15.24 | 15.16 | 15.01 | | |
| 3 | QPSK | 8 | 0 | 15.42 | 15.47 | 15.41 | | |
| 3 | QPSK | 8 | 4 | 15.46 | 15.41 | 15.41 | 16.5 | 0 |
| 3 | QPSK | 8 | 7 | 15.30 | 15.29 | 15.16 | | |
| 3 | QPSK | 15 | 0 | 15.40 | 15.42 | 15.29 | | |
| 3 | 16QAM | 1 | 0 | 15.41 | 15.44 | 15.49 | | |
| 3 | 16QAM | 1 | 8 | 15.26 | 15.32 | 15.26 | 16.5 | 0 |
| 3 | 16QAM | 1 | 14 | 15.31 | 15.26 | 15.12 | | |
| 3 | 16QAM | 8 | 0 | 15.40 | 15.53 | 15.51 | | |
| 3 | 16QAM | 8 | 4 | 15.45 | 15.48 | 15.41 | 16.5 | 0 |
| 3 | 16QAM | 8 | 7 | 15.40 | 15.36 | 15.17 | | |
| 3 | 16QAM | 15 | 0 | 15.43 | 15.42 | 15.35 | | |
| 3 | 64QAM | 1 | 0 | 15.36 | 15.43 | 15.32 | | |
| 3 | 64QAM | 1 | 8 | 15.21 | 15.31 | 15.15 | 16.5 | 0 |
| 3 | 64QAM | 1 | 14 | 15.27 | 15.11 | 15.03 | | |
| 3 | 64QAM | 8 | 0 | 15.21 | 15.26 | 15.30 | | |
| 3 | 64QAM | 8 | 4 | 15.22 | 15.27 | 15.17 | 16.5 | 0 |
| 3 | 64QAM | 8 | 7 | 15.18 | 15.17 | 15.00 | | |
| 3 | 64QAM | 15 | 0 | 15.20 | 15.23 | 15.21 | | |
| Channel | | | | 19957 | 20175 | 20393 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | | |
| 1.4 | QPSK | 1 | 0 | 15.34 | 15.39 | 15.39 | | |
| 1.4 | QPSK | 1 | 3 | 15.39 | 15.59 | 15.38 | | |
| 1.4 | QPSK | 1 | 5 | 15.19 | 15.20 | 15.00 | 16.5 | 0 |
| 1.4 | QPSK | 3 | 0 | 15.43 | 15.49 | 15.45 | | |
| 1.4 | QPSK | 3 | 1 | 15.44 | 15.41 | 15.44 | | |
| 1.4 | QPSK | 3 | 3 | 15.33 | 15.34 | 15.17 | | |
| 1.4 | QPSK | 6 | 0 | 15.44 | 15.45 | 15.31 | 16.5 | 0 |
| 1.4 | 16QAM | 1 | 0 | 15.40 | 15.41 | 15.45 | | |
| 1.4 | 16QAM | 1 | 3 | 15.29 | 15.36 | 15.23 | | |
| 1.4 | 16QAM | 1 | 5 | 15.33 | 15.29 | 15.10 | 16.5 | 0 |
| 1.4 | 16QAM | 3 | 0 | 15.43 | 15.54 | 15.52 | | |
| 1.4 | 16QAM | 3 | 1 | 15.40 | 15.44 | 15.43 | | |
| 1.4 | 16QAM | 3 | 3 | 15.33 | 15.31 | 15.16 | | |
| 1.4 | 16QAM | 6 | 0 | 15.40 | 15.44 | 15.33 | 16.5 | 0 |
| 1.4 | 64QAM | 1 | 0 | 15.34 | 15.42 | 15.38 | | |
| 1.4 | 64QAM | 1 | 3 | 15.27 | 15.25 | 15.13 | | |
| 1.4 | 64QAM | 1 | 5 | 15.28 | 15.10 | 15.07 | 16.5 | 0 |
| 1.4 | 64QAM | 3 | 0 | 15.23 | 15.31 | 15.28 | | |
| 1.4 | 64QAM | 3 | 1 | 15.24 | 15.24 | 15.16 | | |
| 1.4 | 64QAM | 3 | 3 | 15.17 | 15.12 | 14.97 | | |
| 1.4 | 64QAM | 6 | 0 | 15.21 | 15.21 | 15.21 | 16.5 | 0 |

## Band 7 (2600MHz Band)
## Part 27_ANT 1(DSI3/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 20850 | 21100 | 21350 | | |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | QPSK | 1 | 0 | 18.73 | 18.80 | 18.78 | | |
| 20 | QPSK | 1 | 49 | 18.88 | 19.00 | 18.94 | 20 | 0 |
| 20 | QPSK | 1 | 99 | 18.71 | 18.82 | 18.80 | | |
| 20 | QPSK | 50 | 0 | 18.58 | 18.66 | 18.61 | | |
| 20 | QPSK | 50 | 24 | 18.70 | 18.80 | 18.71 | 20 | 0 |
| 20 | QPSK | 50 | 50 | 18.72 | 18.78 | 18.74 | | |
| 20 | QPSK | 100 | 0 | 18.69 | 18.79 | 18.72 | | |
| 20 | 16QAM | 1 | 0 | 18.76 | 18.91 | 18.85 | | |
| 20 | 16QAM | 1 | 49 | 18.85 | 18.91 | 18.91 | 20 | 0 |
| 20 | 16QAM | 1 | 99 | 18.85 | 18.93 | 18.93 | | |
| 20 | 16QAM | 50 | 0 | 18.53 | 18.60 | 18.63 | | |
| 20 | 16QAM | 50 | 24 | 18.64 | 18.73 | 18.65 | 20 | 0 |
| 20 | 16QAM | 50 | 50 | 18.65 | 18.74 | 18.71 | | |
| 20 | 16QAM | 100 | 0 | 18.61 | 18.69 | 18.61 | | |
| 20 | 64QAM | 1 | 0 | 18.67 | 18.67 | 18.68 | | |
| 20 | 64QAM | 1 | 49 | 18.76 | 18.84 | 18.78 | 20 | 0 |
| 20 | 64QAM | 1 | 99 | 18.66 | 18.77 | 18.80 | | |
| 20 | 64QAM | 50 | 0 | 18.54 | 18.63 | 18.61 | | |
| 20 | 64QAM | 50 | 24 | 18.68 | 18.75 | 18.66 | 20 | 0 |
| 20 | 64QAM | 50 | 50 | 18.67 | 18.72 | 18.74 | | |
| 20 | 64QAM | 100 | 0 | 18.63 | 18.73 | 18.64 | | |
| Channel | | | | 20825 | 21100 | 21375 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | QPSK | 1 | 0 | 18.69 | 18.73 | 18.76 | | |
| 15 | QPSK | 1 | 37 | 18.82 | 18.98 | 18.85 | 20 | 0 |
| 15 | QPSK | 1 | 74 | 18.63 | 18.78 | 18.77 | | |
| 15 | QPSK | 36 | 0 | 18.56 | 18.60 | 18.55 | | |
| 15 | QPSK | 36 | 20 | 18.68 | 18.76 | 18.64 | 20 | 0 |
| 15 | QPSK | 36 | 39 | 18.66 | 18.76 | 18.66 | | |
| 15 | QPSK | 75 | 0 | 18.60 | 18.76 | 18.70 | | |
| 15 | 16QAM | 1 | 0 | 18.69 | 18.82 | 18.83 | | |
| 15 | 16QAM | 1 | 37 | 18.83 | 18.82 | 18.86 | 20 | 0 |
| 15 | 16QAM | 1 | 74 | 18.78 | 18.87 | 18.84 | | |
| 15 | 16QAM | 36 | 0 | 18.46 | 18.51 | 18.54 | | |
| 15 | 16QAM | 36 | 20 | 18.70 | 18.70 | 18.57 | 20 | 0 |
| 15 | 16QAM | 36 | 39 | 18.60 | 18.67 | 18.68 | | |
| 15 | 16QAM | 75 | 0 | 18.53 | 18.65 | 18.56 | | |
| 15 | 64QAM | 1 | 0 | 18.59 | 18.64 | 18.66 | | |
| 15 | 64QAM | 1 | 37 | 18.67 | 18.78 | 18.71 | 20 | 0 |
| 15 | 64QAM | 1 | 74 | 18.59 | 18.73 | 18.77 | | |
| 15 | 64QAM | 36 | 0 | 18.51 | 18.56 | 18.59 | | |
| 15 | 64QAM | 36 | 20 | 18.59 | 18.72 | 18.59 | 20 | 0 |
| 15 | 64QAM | 36 | 39 | 18.63 | 18.64 | 18.72 | | |
| 15 | 64QAM | 75 | 0 | 18.54 | 18.68 | 18.60 | | |
| Channel | | | | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | QPSK | 1 | 0 | 18.64 | 18.68 | 18.67 | | |
| 10 | QPSK | 1 | 25 | 18.78 | 18.90 | 18.78 | 20 | 0 |
| 10 | QPSK | 1 | 49 | 18.54 | 18.72 | 18.71 | | |
| 10 | QPSK | 25 | 0 | 18.51 | 18.51 | 18.49 | | |
| 10 | QPSK | 25 | 12 | 18.62 | 18.68 | 18.59 | 20 | 0 |
| 10 | QPSK | 25 | 25 | 18.64 | 18.69 | 18.61 | | |
| 10 | QPSK | 50 | 0 | 18.55 | 18.74 | 18.65 | | |
| 10 | 16QAM | 1 | 0 | 18.64 | 18.79 | 18.75 | | |
| 10 | 16QAM | 1 | 25 | 18.77 | 18.78 | 18.79 | 20 | 0 |
| 10 | 16QAM | 1 | 49 | 18.71 | 18.79 | 18.77 | | |
| 10 | 16QAM | 25 | 0 | 18.43 | 18.48 | 18.47 | | |
| 10 | 16QAM | 25 | 12 | 18.54 | 18.62 | 18.50 | 20 | 0 |
| 10 | 16QAM | 25 | 25 | 18.57 | 18.61 | 18.62 | | |
| 10 | 16QAM | 50 | 0 | 18.48 | 18.60 | 18.49 | | |
| 10 | 64QAM | 1 | 0 | 18.56 | 18.58 | 18.64 | | |
| 10 | 64QAM | 1 | 25 | 18.58 | 18.72 | 18.62 | 20 | 0 |
| 10 | 64QAM | 1 | 49 | 18.56 | 18.65 | 18.75 | | |
| 10 | 64QAM | 25 | 0 | 18.42 | 18.51 | 18.53 | | |
| 10 | 64QAM | 25 | 12 | 18.57 | 18.65 | 18.55 | 20 | 0 |
| 10 | 64QAM | 25 | 25 | 18.58 | 18.58 | 18.65 | | |
| 10 | 64QAM | 50 | 0 | 18.47 | 18.66 | 18.51 | | |
| Channel | | | | 20775 | 21100 | 21425 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | QPSK | 1 | 0 | 18.65 | 18.78 | 18.72 | | |
| 5 | QPSK | 1 | 12 | 18.80 | 18.93 | 18.87 | 20 | 0 |
| 5 | QPSK | 1 | 24 | 18.65 | 18.80 | 18.74 | | |
| 5 | QPSK | 12 | 0 | 18.49 | 18.59 | 18.53 | | |
| 5 | QPSK | 12 | 7 | 18.64 | 18.72 | 18.65 | 20 | 0 |
| 5 | QPSK | 12 | 13 | 18.69 | 18.71 | 18.68 | | |
| 5 | QPSK | 25 | 0 | 18.65 | 18.77 | 18.66 | | |
| 5 | 16QAM | 1 | 0 | 18.71 | 18.88 | 18.76 | | |
| 5 | 16QAM | 1 | 12 | 18.83 | 18.83 | 18.82 | 20 | 0 |
| 5 | 16QAM | 1 | 24 | 18.77 | 18.90 | 18.90 | | |
| 5 | 16QAM | 12 | 0 | 18.48 | 18.52 | 18.54 | | |
| 5 | 16QAM | 12 | 7 | 18.58 | 18.68 | 18.58 | 20 | 0 |
| 5 | 16QAM | 12 | 13 | 18.60 | 18.71 | 18.68 | | |
| 5 | 16QAM | 25 | 0 | 18.58 | 18.63 | 18.58 | | |
| 5 | 64QAM | 1 | 0 | 18.63 | 18.59 | 18.62 | | |
| 5 | 64QAM | 1 | 12 | 18.73 | 18.79 | 18.70 | 20 | 0 |
| 5 | 64QAM | 1 | 24 | 18.57 | 18.74 | 18.73 | | |
| 5 | 64QAM | 12 | 0 | 18.51 | 18.60 | 18.54 | | |
| 5 | 64QAM | 12 | 7 | 18.59 | 18.69 | 18.63 | 20 | 0 |
| 5 | 64QAM | 12 | 13 | 18.65 | 18.63 | 18.65 | | |
| 5 | 64QAM | 25 | 0 | 18.57 | 18.69 | 18.60 | | |

## Band 66_ANT 1(DSI3/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 132072 | 132322 | 132572 | | |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| 20 | QPSK | 1 | 0 | 15.57 | 15.60 | 15.51 | 16.5 | 0 |
| 20 | QPSK | 1 | 49 | 15.41 | 15.64 | 15.40 | | |
| 20 | QPSK | 1 | 99 | 15.33 | 15.37 | 15.26 | | |
| 20 | QPSK | 50 | 0 | 15.52 | 15.60 | 15.52 | 16.5 | 0 |
| 20 | QPSK | 50 | 24 | 15.61 | 15.62 | 15.50 | | |
| 20 | QPSK | 50 | 50 | 15.53 | 15.53 | 15.48 | | |
| 20 | QPSK | 100 | 0 | 15.55 | 15.56 | 15.45 | | |
| 20 | 16QAM | 1 | 0 | 15.59 | 15.63 | 15.46 | 16.5 | 0 |
| 20 | 16QAM | 1 | 49 | 15.50 | 15.56 | 15.41 | | |
| 20 | 16QAM | 1 | 99 | 15.40 | 15.33 | 15.31 | | |
| 20 | 16QAM | 50 | 0 | 15.52 | 15.61 | 15.46 | 16.5 | 0 |
| 20 | 16QAM | 50 | 24 | 15.60 | 15.57 | 15.46 | | |
| 20 | 16QAM | 50 | 50 | 15.52 | 15.55 | 15.47 | | |
| 20 | 16QAM | 100 | 0 | 15.55 | 15.52 | 15.40 | | |
| 20 | 64QAM | 1 | 0 | 15.56 | 15.61 | 15.49 | 16.5 | 0 |
| 20 | 64QAM | 1 | 49 | 15.52 | 15.53 | 15.38 | | |
| 20 | 64QAM | 1 | 99 | 15.39 | 15.33 | 15.22 | | |
| 20 | 64QAM | 50 | 0 | 15.40 | 15.40 | 15.31 | 16.5 | 0 |
| 20 | 64QAM | 50 | 24 | 15.43 | 15.39 | 15.34 | | |
| 20 | 64QAM | 50 | 50 | 15.38 | 15.39 | 15.25 | | |
| 20 | 64QAM | 100 | 0 | 15.41 | 15.35 | 15.29 | | |
| Channel | | | | 132047 | 132322 | 132597 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| 15 | QPSK | 1 | 0 | 15.51 | 15.53 | 15.48 | 16.5 | 0 |
| 15 | QPSK | 1 | 37 | 15.33 | 15.59 | 15.35 | | |
| 15 | QPSK | 1 | 74 | 15.28 | 15.28 | 15.17 | | |
| 15 | QPSK | 36 | 0 | 15.46 | 15.55 | 15.44 | 16.5 | 0 |
| 15 | QPSK | 36 | 20 | 15.56 | 15.53 | 15.47 | | |
| 15 | QPSK | 36 | 39 | 15.51 | 15.47 | 15.39 | | |
| 15 | QPSK | 75 | 0 | 15.53 | 15.47 | 15.38 | | |
| 15 | 16QAM | 1 | 0 | 15.52 | 15.60 | 15.44 | 16.5 | 0 |
| 15 | 16QAM | 1 | 37 | 15.48 | 15.49 | 15.35 | | |
| 15 | 16QAM | 1 | 74 | 15.31 | 15.26 | 15.29 | | |
| 15 | 16QAM | 36 | 0 | 15.44 | 15.59 | 15.37 | 16.5 | 0 |
| 15 | 16QAM | 36 | 20 | 15.54 | 15.50 | 15.43 | | |
| 15 | 16QAM | 36 | 39 | 15.43 | 15.47 | 15.41 | | |
| 15 | 16QAM | 75 | 0 | 15.50 | 15.44 | 15.36 | | |
| 15 | 64QAM | 1 | 0 | 15.52 | 15.53 | 15.44 | 16.5 | 0 |
| 15 | 64QAM | 1 | 37 | 15.43 | 15.50 | 15.30 | | |
| 15 | 64QAM | 1 | 74 | 15.34 | 15.30 | 15.19 | | |
| 15 | 64QAM | 36 | 0 | 15.32 | 15.36 | 15.22 | 16.5 | 0 |
| 15 | 64QAM | 36 | 20 | 15.39 | 15.32 | 15.25 | | |
| 15 | 64QAM | 36 | 39 | 15.29 | 15.31 | 15.21 | | |
| 15 | 64QAM | 75 | 0 | 15.38 | 15.33 | 15.23 | | |
| Channel | | | | 132022 | 132322 | 132622 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | QPSK | 1 | 0 | 15.56 | 15.57 | 15.43 | 16.5 | 0 |
| 10 | QPSK | 1 | 25 | 15.37 | 15.59 | 15.36 | | |
| 10 | QPSK | 1 | 49 | 15.28 | 15.33 | 15.19 | | |
| 10 | QPSK | 25 | 0 | 15.45 | 15.53 | 15.46 | 16.5 | 0 |
| 10 | QPSK | 25 | 12 | 15.53 | 15.56 | 15.41 | | |
| 10 | QPSK | 25 | 25 | 15.44 | 15.50 | 15.43 | | |
| 10 | QPSK | 50 | 0 | 15.49 | 15.49 | 15.43 | | |
| 10 | 16QAM | 1 | 0 | 15.54 | 15.54 | 15.41 | 16.5 | 0 |
| 10 | 16QAM | 1 | 25 | 15.47 | 15.50 | 15.38 | | |
| 10 | 16QAM | 1 | 49 | 15.36 | 15.26 | 15.27 | | |
| 10 | 16QAM | 25 | 0 | 15.48 | 15.58 | 15.43 | 16.5 | 0 |
| 10 | 16QAM | 25 | 12 | 15.57 | 15.54 | 15.40 | | |
| 10 | 16QAM | 25 | 25 | 15.50 | 15.50 | 15.40 | | |
| 10 | 16QAM | 50 | 0 | 15.50 | 15.45 | 15.33 | | |
| 10 | 64QAM | 1 | 0 | 15.54 | 15.58 | 15.41 | 16.5 | 0 |
| 10 | 64QAM | 1 | 25 | 15.46 | 15.51 | 15.34 | | |
| 10 | 64QAM | 1 | 49 | 15.33 | 15.25 | 15.19 | | |
| 10 | 64QAM | 25 | 0 | 15.37 | 15.35 | 15.26 | 16.5 | 0 |
| 10 | 64QAM | 25 | 12 | 15.38 | 15.36 | 15.28 | | |
| 10 | 64QAM | 25 | 25 | 15.33 | 15.36 | 15.20 | | |
| 10 | 64QAM | 50 | 0 | 15.39 | 15.29 | 15.20 | | |
| Channel | | | | 131997 | 132322 | 132647 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | QPSK | 1 | 0 | 15.52 | 15.54 | 15.44 | 16.5 | 0 |
| 5 | QPSK | 1 | 12 | 15.35 | 15.57 | 15.33 | | |
| 5 | QPSK | 1 | 24 | 15.26 | 15.33 | 15.24 | | |
| 5 | QPSK | 12 | 0 | 15.49 | 15.54 | 15.47 | 16.5 | 0 |
| 5 | QPSK | 12 | 7 | 15.53 | 15.58 | 15.45 | | |
| 5 | QPSK | 12 | 13 | 15.50 | 15.51 | 15.46 | | |
| 5 | QPSK | 25 | 0 | 15.50 | 15.48 | 15.41 | | |
| 5 | 16QAM | 1 | 0 | 15.57 | 15.57 | 15.41 | 16.5 | 0 |
| 5 | 16QAM | 1 | 12 | 15.43 | 15.52 | 15.34 | | |
| 5 | 16QAM | 1 | 24 | 15.36 | 15.26 | 15.23 | | |
| 5 | 16QAM | 12 | 0 | 15.47 | 15.54 | 15.44 | 16.5 | 0 |
| 5 | 16QAM | 12 | 7 | 15.58 | 15.48 | 15.43 | | |
| 5 | 16QAM | 12 | 13 | 15.49 | 15.50 | 15.41 | | |
| 5 | 16QAM | 25 | 0 | 15.47 | 15.47 | 15.34 | | |
| 5 | 64QAM | 1 | 0 | 15.54 | 15.56 | 15.45 | 16.5 | 0 |
| 5 | 64QAM | 1 | 12 | 15.50 | 15.50 | 15.32 | | |
| 5 | 64QAM | 1 | 24 | 15.36 | 15.27 | 15.14 | | |
| 5 | 64QAM | 12 | 0 | 15.36 | 15.33 | 15.27 | 16.5 | 0 |
| 5 | 64QAM | 12 | 7 | 15.37 | 15.35 | 15.25 | | |
| 5 | 64QAM | 12 | 13 | 15.34 | 15.30 | 15.22 | | |
| 5 | 64QAM | 25 | 0 | 15.37 | 15.27 | 15.22 | | |
| Channel | | | | 131987 | 132322 | 132657 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1711.5 | 1745 | 1778.5 | | |
| 3 | QPSK | 1 | 0 | 15.54 | 15.57 | 15.44 | 16.5 | 0 |
| 3 | QPSK | 1 | 8 | 15.38 | 15.58 | 15.38 | | |
| 3 | QPSK | 1 | 14 | 15.30 | 15.28 | 15.20 | | |
| 3 | QPSK | 8 | 0 | 15.44 | 15.57 | 15.45 | 16.5 | 0 |
| 3 | QPSK | 8 | 4 | 15.53 | 15.57 | 15.48 | | |
| 3 | QPSK | 8 | 7 | 15.47 | 15.45 | 15.43 | | |
| 3 | QPSK | 15 | 0 | 15.50 | 15.49 | 15.39 | | |
| 3 | 16QAM | 1 | 0 | 15.56 | 15.58 | 15.37 | 16.5 | 0 |
| 3 | 16QAM | 1 | 8 | 15.44 | 15.50 | 15.32 | | |
| 3 | 16QAM | 1 | 14 | 15.33 | 15.31 | 15.27 | | |
| 3 | 16QAM | 8 | 0 | 15.46 | 15.57 | 15.41 | 16.5 | 0 |
| 3 | 16QAM | 8 | 4 | 15.51 | 15.55 | 15.40 | | |
| 3 | 16QAM | 8 | 7 | 15.48 | 15.47 | 15.39 | | |
| 3 | 16QAM | 15 | 0 | 15.50 | 15.50 | 15.37 | | |
| 3 | 64QAM | 1 | 0 | 15.49 | 15.53 | 15.41 | 16.5 | 0 |
| 3 | 64QAM | 1 | 8 | 15.43 | 15.51 | 15.36 | | |
| 3 | 64QAM | 1 | 14 | 15.33 | 15.31 | 15.16 | | |
| 3 | 64QAM | 8 | 0 | 15.37 | 15.36 | 15.26 | 16.5 | 0 |
| 3 | 64QAM | 8 | 4 | 15.38 | 15.30 | 15.30 | | |
| 3 | 64QAM | 8 | 7 | 15.32 | 15.34 | 15.16 | | |
| 3 | 64QAM | 15 | 0 | 15.33 | 15.32 | 15.23 | | |
| Channel | | | | 131979 | 132322 | 132665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | | |
| 1.4 | QPSK | 1 | 0 | 15.48 | 15.54 | 15.49 | 16.5 | 0 |
| 1.4 | QPSK | 1 | 3 | 15.32 | 15.58 | 15.37 | | |
| 1.4 | QPSK | 1 | 5 | 15.28 | 15.32 | 15.24 | | |
| 1.4 | QPSK | 3 | 0 | 15.43 | 15.52 | 15.48 | | |
| 1.4 | QPSK | 3 | 1 | 15.59 | 15.55 | 15.44 | | |
| 1.4 | QPSK | 3 | 3 | 15.44 | 15.51 | 15.43 | | |
| 1.4 | QPSK | 6 | 0 | 15.50 | 15.54 | 15.36 | 16.5 | 0 |
| 1.4 | 16QAM | 1 | 0 | 15.53 | 15.61 | 15.42 | 16.5 | 0 |
| 1.4 | 16QAM | 1 | 3 | 15.41 | 15.49 | 15.34 | | |
| 1.4 | 16QAM | 1 | 5 | 15.37 | 15.28 | 15.25 | | |
| 1.4 | 16QAM | 3 | 0 | 15.47 | 15.57 | 15.38 | | |
| 1.4 | 16QAM | 3 | 1 | 15.52 | 15.49 | 15.43 | | |
| 1.4 | 16QAM | 3 | 3 | 15.43 | 15.46 | 15.45 | | |
| 1.4 | 16QAM | 6 | 0 | 15.46 | 15.46 | 15.36 | 16.5 | 0 |
| 1.4 | 64QAM | 1 | 0 | 15.49 | 15.53 | 15.41 | 16.5 | 0 |
| 1.4 | 64QAM | 1 | 3 | 15.45 | 15.49 | 15.32 | | |
| 1.4 | 64QAM | 1 | 5 | 15.33 | 15.24 | 15.19 | | |
| 1.4 | 64QAM | 3 | 0 | 15.37 | 15.31 | 15.24 | | |
| 1.4 | 64QAM | 3 | 1 | 15.38 | 15.31 | 15.29 | | |
| 1.4 | 64QAM | 3 | 3 | 15.31 | 15.35 | 15.16 | | |
| 1.4 | 64QAM | 6 | 0 | 15.32 | 15.28 | 15.24 | 16.5 | 0 |

## Band 38(only on channel required)_ANT 1(DSI3/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 37850 | 38000 | 38150 | | |
| Frequency (MHz) | | | | 2580 | 2595 | 2610 | | |
| 20 | QPSK | 1 | 0 | 21.04 | 20.96 | 20.86 | 22 | 0 |
| 20 | QPSK | 1 | 49 | 21.22 | 20.97 | 21.11 | | |
| 20 | QPSK | 1 | 99 | 21.04 | 20.89 | 20.91 | | |
| 20 | QPSK | 50 | 0 | 21.20 | 21.02 | 21.06 | 22 | 0 |
| 20 | QPSK | 50 | 24 | 21.21 | 21.15 | 21.18 | | |
| 20 | QPSK | 50 | 50 | 21.18 | 21.14 | 21.05 | | |
| 20 | QPSK | 100 | 0 | 21.20 | 21.00 | 21.04 | | |
| 20 | 16QAM | 1 | 0 | 21.14 | 21.07 | 20.96 | 22 | 0 |
| 20 | 16QAM | 1 | 49 | 21.13 | 21.03 | 20.97 | | |
| 20 | 16QAM | 1 | 99 | 21.11 | 21.06 | 21.05 | | |
| 20 | 16QAM | 50 | 0 | 20.91 | 20.83 | 20.78 | 22 | 0 |
| 20 | 16QAM | 50 | 24 | 20.91 | 20.87 | 20.80 | | |
| 20 | 16QAM | 50 | 50 | 20.92 | 20.86 | 20.74 | | |
| 20 | 16QAM | 100 | 0 | 20.89 | 20.83 | 20.76 | | |
| 20 | 64QAM | 1 | 0 | 20.91 | 20.84 | 20.71 | 22 | 0 |
| 20 | 64QAM | 1 | 49 | 20.86 | 20.82 | 20.93 | | |
| 20 | 64QAM | 1 | 99 | 20.90 | 20.90 | 20.93 | | |
| 20 | 64QAM | 50 | 0 | 20.85 | 20.79 | 20.67 | 22 | 0 |
| 20 | 64QAM | 50 | 24 | 20.86 | 20.81 | 20.73 | | |
| 20 | 64QAM | 50 | 50 | 20.87 | 20.76 | 20.71 | | |
| 20 | 64QAM | 100 | 0 | 20.95 | 20.87 | 20.82 | | |
| Channel | | | | 37825 | 38000 | 38175 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2577.5 | 2595 | 2612.5 | | |
| 15 | QPSK | 1 | 0 | 21.01 | 20.87 | 20.78 | 22 | 0 |
| 15 | QPSK | 1 | 37 | 21.20 | 20.95 | 21.08 | | |
| 15 | QPSK | 1 | 74 | 20.99 | 20.87 | 20.83 | | |
| 15 | QPSK | 36 | 0 | 21.12 | 20.98 | 20.99 | 22 | 0 |
| 15 | QPSK | 36 | 20 | 21.16 | 21.12 | 21.13 | | |
| 15 | QPSK | 36 | 39 | 21.12 | 21.09 | 21.02 | | |
| 15 | QPSK | 75 | 0 | 21.18 | 20.98 | 20.99 | | |
| 15 | 16QAM | 1 | 0 | 21.08 | 21.00 | 20.93 | 22 | 0 |
| 15 | 16QAM | 1 | 37 | 21.11 | 20.98 | 20.88 | | |
| 15 | 16QAM | 1 | 74 | 21.02 | 21.04 | 21.00 | | |
| 15 | 16QAM | 36 | 0 | 20.89 | 20.76 | 20.73 | 22 | 0 |
| 15 | 16QAM | 36 | 20 | 20.82 | 20.83 | 20.72 | | |
| 15 | 16QAM | 36 | 39 | 20.83 | 20.82 | 20.71 | | |
| 15 | 16QAM | 75 | 0 | 20.84 | 20.75 | 20.73 | | |
| 15 | 64QAM | 1 | 0 | 20.83 | 20.82 | 20.67 | 22 | 0 |
| 15 | 64QAM | 1 | 37 | 20.80 | 20.75 | 20.89 | | |
| 15 | 64QAM | 1 | 74 | 20.87 | 20.81 | 20.84 | | |
| 15 | 64QAM | 36 | 0 | 20.78 | 20.74 | 20.65 | 22 | 0 |
| 15 | 64QAM | 36 | 20 | 20.79 | 20.74 | 20.68 | | |
| 15 | 64QAM | 36 | 39 | 20.84 | 20.67 | 20.67 | | |
| 15 | 64QAM | 75 | 0 | 20.92 | 20.79 | 20.77 | | |
| Channel | | | | 37800 | 38000 | 38200 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2575 | 2595 | 2615 | | |
| 10 | QPSK | 1 | 0 | 21.02 | 20.87 | 20.82 | 22 | 0 |
| 10 | QPSK | 1 | 25 | 21.14 | 20.95 | 21.05 | | |
| 10 | QPSK | 1 | 49 | 21.02 | 20.84 | 20.88 | | |
| 10 | QPSK | 25 | 0 | 21.15 | 20.99 | 20.98 | 22 | 0 |
| 10 | QPSK | 25 | 12 | 21.17 | 21.10 | 21.15 | | |
| 10 | QPSK | 25 | 25 | 21.16 | 21.12 | 21.03 | | |
| 10 | QPSK | 50 | 0 | 21.16 | 20.93 | 21.01 | | |
| 10 | 16QAM | 1 | 0 | 21.10 | 20.98 | 20.90 | 22 | 0 |
| 10 | 16QAM | 1 | 25 | 21.06 | 20.98 | 20.91 | | |
| 10 | 16QAM | 1 | 49 | 21.03 | 21.03 | 20.97 | | |
| 10 | 16QAM | 25 | 0 | 20.87 | 20.76 | 20.75 | 22 | 0 |
| 10 | 16QAM | 25 | 12 | 20.88 | 20.80 | 20.75 | | |
| 10 | 16QAM | 25 | 25 | 20.86 | 20.80 | 20.70 | | |
| 10 | 16QAM | 50 | 0 | 20.82 | 20.78 | 20.73 | | |
| 10 | 64QAM | 1 | 0 | 20.87 | 20.79 | 20.62 | 22 | 0 |
| 10 | 64QAM | 1 | 25 | 20.78 | 20.74 | 20.85 | | |
| 10 | 64QAM | 1 | 49 | 20.85 | 20.81 | 20.86 | | |
| 10 | 64QAM | 25 | 0 | 20.76 | 20.77 | 20.65 | 22 | 0 |
| 10 | 64QAM | 25 | 12 | 20.78 | 20.74 | 20.67 | | |
| 10 | 64QAM | 25 | 25 | 20.83 | 20.68 | 20.69 | | |
| 10 | 64QAM | 50 | 0 | 20.89 | 20.85 | 20.74 | | |
| Channel | | | | 37775 | 38000 | 38225 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2572.5 | 2595 | 2617.5 | | |
| 5 | QPSK | 1 | 0 | 20.98 | 20.88 | 20.81 | 22 | 0 |
| 5 | QPSK | 1 | 12 | 21.13 | 20.93 | 21.02 | | |
| 5 | QPSK | 1 | 24 | 20.98 | 20.85 | 20.84 | | |
| 5 | QPSK | 12 | 0 | 21.15 | 20.97 | 21.03 | 22 | 0 |
| 5 | QPSK | 12 | 7 | 21.15 | 21.12 | 21.09 | | |
| 5 | QPSK | 12 | 13 | 21.13 | 21.07 | 21.00 | | |
| 5 | QPSK | 25 | 0 | 21.14 | 20.97 | 21.01 | | |
| 5 | 16QAM | 1 | 0 | 21.06 | 21.03 | 20.88 | 22 | 0 |
| 5 | 16QAM | 1 | 12 | 21.07 | 20.99 | 20.89 | | |
| 5 | 16QAM | 1 | 24 | 21.08 | 20.97 | 20.99 | | |
| 5 | 16QAM | 12 | 0 | 20.86 | 20.75 | 20.72 | 22 | 0 |
| 5 | 16QAM | 12 | 7 | 20.86 | 20.83 | 20.77 | | |
| 5 | 16QAM | 12 | 13 | 20.84 | 20.81 | 20.72 | | |
| 5 | 16QAM | 25 | 0 | 20.83 | 20.80 | 20.69 | | |
| 5 | 64QAM | 1 | 0 | 20.88 | 20.81 | 20.63 | 22 | 0 |
| 5 | 64QAM | 1 | 12 | 20.83 | 20.73 | 20.91 | | |
| 5 | 64QAM | 1 | 24 | 20.81 | 20.82 | 20.85 | | |
| 5 | 64QAM | 12 | 0 | 20.78 | 20.73 | 20.60 | 22 | 0 |
| 5 | 64QAM | 12 | 7 | 20.83 | 20.78 | 20.66 | | |
| 5 | 64QAM | 12 | 13 | 20.81 | 20.69 | 20.67 | | |
| 5 | 64QAM | 25 | 0 | 20.87 | 20.79 | 20.76 | | |

## Band 41 (2.6G Band)_ANT 1(DSI3/DSI7)

| 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) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|---|---|
| Channel | | | | 39750 | 40185 | 40620 | 41055 | 41490 | | |
| Frequency (MHz) | | | | 2506 | 2549.5 | 2593 | 2636.5 | 2680 | | |
| 20 | QPSK | 1 | 0 | 21.04 | 21.06 | 21.04 | 21.02 | 21.18 | 22 | 0 |
| 20 | QPSK | 1 | 49 | 21.14 | 21.28 | 21.07 | 21.05 | 21.12 | | |
| 20 | QPSK | 1 | 99 | 21.04 | 21.05 | 21.11 | 21.04 | 21.15 | | |
| 20 | QPSK | 50 | 0 | 21.14 | 21.16 | 21.09 | 21.04 | 21.20 | 22 | 0 |
| 20 | QPSK | 50 | 24 | 21.23 | 21.24 | 21.19 | 21.06 | 21.20 | | |
| 20 | QPSK | 50 | 50 | 21.22 | 21.22 | 21.22 | 21.12 | 21.20 | | |
| 20 | QPSK | 100 | 0 | 21.21 | 21.22 | 21.19 | 21.07 | 21.20 | | |
| 20 | 16QAM | 1 | 0 | 21.14 | 21.18 | 21.18 | 21.04 | 21.22 | 22 | 0 |
| 20 | 16QAM | 1 | 49 | 21.17 | 21.18 | 21.13 | 21.06 | 21.18 | | |
| 20 | 16QAM | 1 | 99 | 21.16 | 21.18 | 21.24 | 21.18 | 21.25 | | |
| 20 | 16QAM | 50 | 0 | 20.85 | 20.87 | 20.86 | 20.76 | 20.88 | 22 | 0 |
| 20 | 16QAM | 50 | 24 | 20.96 | 20.94 | 20.96 | 20.79 | 20.91 | | |
| 20 | 16QAM | 50 | 50 | 20.95 | 20.94 | 20.94 | 20.89 | 20.98 | | |
| 20 | 16QAM | 100 | 0 | 20.92 | 20.94 | 20.93 | 20.78 | 20.88 | | |
| 20 | 64QAM | 1 | 0 | 20.99 | 20.96 | 20.84 | 21.03 | 20.85 | 22 | 0 |
| 20 | 64QAM | 1 | 49 | 20.87 | 20.91 | 20.91 | 20.96 | 20.93 | | |
| 20 | 64QAM | 1 | 99 | 20.89 | 20.86 | 20.99 | 21.14 | 21.01 | | |
| 20 | 64QAM | 50 | 0 | 20.79 | 20.82 | 20.78 | 20.70 | 20.83 | 22 | 0 |
| 20 | 64QAM | 50 | 24 | 20.89 | 20.88 | 20.89 | 20.74 | 20.85 | | |
| 20 | 64QAM | 50 | 50 | 20.86 | 20.87 | 20.89 | 20.82 | 20.90 | | |
| 20 | 64QAM | 100 | 0 | 20.97 | 20.97 | 21.00 | 20.83 | 20.90 | | |
| Channel | | | | 39725 | 40173 | 40620 | 41068 | 41515 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2503.5 | 2548.3 | 2593 | 2637.8 | 2682.5 | | |
| 15 | QPSK | 1 | 0 | 20.95 | 21.00 | 21.02 | 20.95 | 21.14 | 22.00 | 0 |
| 15 | QPSK | 1 | 37 | 20.95 | 21.22 | 20.98 | 21.00 | 21.09 | | |
| 15 | QPSK | 1 | 74 | 21.00 | 21.03 | 21.06 | 21.00 | 21.07 | | |
| 15 | QPSK | 36 | 0 | 21.07 | 21.11 | 21.02 | 21.02 | 21.15 | 22 | 0 |
| 15 | QPSK | 36 | 20 | 21.21 | 21.15 | 21.12 | 20.99 | 21.12 | | |
| 15 | QPSK | 36 | 39 | 21.18 | 21.13 | 21.18 | 21.09 | 21.17 | | |
| 15 | QPSK | 75 | 0 | 21.19 | 21.14 | 21.15 | 21.03 | 21.18 | | |
| 15 | 16QAM | 1 | 0 | 21.08 | 21.10 | 21.13 | 20.99 | 21.20 | 22 | 0 |
| 15 | 16QAM | 1 | 37 | 21.14 | 21.16 | 21.11 | 21.02 | 21.15 | | |
| 15 | 16QAM | 1 | 74 | 21.12 | 21.13 | 21.16 | 21.16 | 21.22 | | |
| 15 | 16QAM | 36 | 0 | 20.81 | 20.85 | 20.83 | 20.67 | 20.84 | 22 | 0 |
| 15 | 16QAM | 36 | 20 | 20.92 | 20.91 | 20.87 | 20.73 | 20.88 | | |
| 15 | 16QAM | 36 | 39 | 20.90 | 20.90 | 20.91 | 20.85 | 20.96 | | |
| 15 | 16QAM | 75 | 0 | 20.87 | 20.91 | 20.88 | 20.73 | 20.83 | | |
| 15 | 64QAM | 1 | 0 | 20.94 | 20.93 | 20.77 | 21.00 | 20.76 | 22 | 0 |
| 15 | 64QAM | 1 | 37 | 20.83 | 20.83 | 20.89 | 20.89 | 20.85 | | |
| 15 | 64QAM | 1 | 74 | 20.80 | 20.82 | 20.96 | 21.09 | 20.97 | | |
| 15 | 64QAM | 36 | 0 | 20.75 | 20.77 | 20.75 | 20.62 | 20.76 | 22 | 0 |
| 15 | 64QAM | 36 | 20 | 20.85 | 20.84 | 20.80 | 20.66 | 20.78 | | |
| 15 | 64QAM | 36 | 39 | 20.78 | 20.78 | 20.87 | 20.78 | 20.88 | | |
| 15 | 64QAM | 75 | 0 | 20.93 | 20.93 | 20.97 | 20.80 | 20.87 | | |
| Channel | | | | 39700 | 40160 | 40620 | 41080 | 41540 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2501 | 2547 | 2593 | 2639 | 2685 | | |
| 10 | QPSK | 1 | 0 | 20.96 | 21.03 | 20.97 | 20.94 | 21.09 | 22.00 | 0 |
| 10 | QPSK | 1 | 25 | 20.95 | 21.26 | 21.01 | 20.99 | 21.10 | | |
| 10 | QPSK | 1 | 49 | 20.99 | 20.97 | 21.07 | 21.00 | 21.10 | | |
| 10 | QPSK | 25 | 0 | 21.10 | 21.08 | 21.02 | 21.02 | 21.11 | 22 | 0 |
| 10 | QPSK | 25 | 12 | 21.18 | 21.16 | 21.15 | 20.99 | 21.12 | | |
| 10 | QPSK | 25 | 25 | 21.17 | 21.16 | 21.14 | 21.08 | 21.15 | | |
| 10 | QPSK | 50 | 0 | 21.15 | 21.14 | 21.17 | 20.98 | 21.11 | | |
| 10 | 16QAM | 1 | 0 | 21.12 | 21.14 | 21.12 | 20.96 | 21.13 | 22 | 0 |
| 10 | 16QAM | 1 | 25 | 21.14 | 21.14 | 21.08 | 20.97 | 21.09 | | |
| 10 | 16QAM | 1 | 49 | 21.11 | 21.16 | 21.18 | 21.11 | 21.18 | | |
| 10 | 16QAM | 25 | 0 | 20.76 | 20.79 | 20.77 | 20.72 | 20.80 | 22 | 0 |
| 10 | 16QAM | 25 | 12 | 20.92 | 20.85 | 20.90 | 20.75 | 20.88 | | |
| 10 | 16QAM | 25 | 25 | 20.89 | 20.90 | 20.89 | 20.87 | 20.89 | | |
| 10 | 16QAM | 50 | 0 | 20.86 | 20.90 | 20.87 | 20.74 | 20.86 | | |
| 10 | 64QAM | 1 | 0 | 20.91 | 20.92 | 20.75 | 20.96 | 20.77 | 22 | 0 |
| 10 | 64QAM | 1 | 25 | 20.84 | 20.89 | 20.89 | 20.92 | 20.91 | | |
| 10 | 64QAM | 1 | 49 | 20.84 | 20.80 | 20.95 | 21.09 | 20.93 | | |
| 10 | 64QAM | 25 | 0 | 20.76 | 20.80 | 20.74 | 20.65 | 20.79 | 22 | 0 |
| 10 | 64QAM | 25 | 12 | 20.87 | 20.80 | 20.85 | 20.72 | 20.79 | | |
| 10 | 64QAM | 25 | 25 | 20.84 | 20.81 | 20.84 | 20.74 | 20.87 | | |
| 10 | 64QAM | 50 | 0 | 20.94 | 20.91 | 20.92 | 20.77 | 20.82 | | |
| Channel | | | | 39675 | 40148 | 40620 | 41093 | 41565 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2498.5 | 2545.8 | 2593 | 2640.30 | 2687.5 | | |
| 5 | QPSK | 1 | 0 | 20.96 | 21.03 | 20.97 | 20.94 | 21.13 | 22.00 | 0 |
| 5 | QPSK | 1 | 12 | 20.99 | 21.24 | 21.01 | 21.00 | 21.08 | | |
| 5 | QPSK | 1 | 24 | 20.96 | 20.99 | 21.04 | 21.01 | 21.10 | | |
| 5 | QPSK | 12 | 0 | 21.07 | 21.08 | 21.05 | 20.98 | 21.13 | 22 | 0 |
| 5 | QPSK | 12 | 7 | 21.20 | 21.17 | 21.16 | 21.01 | 21.15 | | |
| 5 | QPSK | 12 | 13 | 21.13 | 21.20 | 21.14 | 21.06 | 21.16 | | |
| 5 | QPSK | 25 | 0 | 21.12 | 21.20 | 21.14 | 21.04 | 21.18 | | |
| 5 | 16QAM | 1 | 0 | 21.07 | 21.16 | 21.16 | 20.96 | 21.17 | 22 | 0 |
| 5 | 16QAM | 1 | 12 | 21.15 | 21.14 | 21.07 | 21.01 | 21.09 | | |
| 5 | 16QAM | 1 | 24 | 21.11 | 21.15 | 21.18 | 21.13 | 21.23 | | |
| 5 | 16QAM | 12 | 0 | 20.79 | 20.80 | 20.82 | 20.72 | 20.83 | 22 | 0 |
| 5 | 16QAM | 12 | 7 | 20.89 | 20.85 | 20.90 | 20.73 | 20.89 | | |
| 5 | 16QAM | 12 | 13 | 20.91 | 20.92 | 20.90 | 20.81 | 20.95 | | |
| 5 | 16QAM | 25 | 0 | 20.88 | 20.89 | 20.84 | 20.73 | 20.85 | | |
| 5 | 64QAM | 1 | 0 | 20.91 | 20.94 | 20.81 | 20.98 | 20.78 | 22 | 0 |
| 5 | 64QAM | 1 | 12 | 20.85 | 20.86 | 20.84 | 20.87 | 20.91 | | |
| 5 | 64QAM | 1 | 24 | 20.80 | 20.83 | 20.95 | 21.12 | 20.95 | | |
| 5 | 64QAM | 12 | 0 | 20.72 | 20.73 | 20.76 | 20.68 | 20.74 | 22 | 0 |
| 5 | 64QAM | 12 | 7 | 20.80 | 20.83 | 20.86 | 20.67 | 20.83 | | |
| 5 | 64QAM | 12 | 13 | 20.80 | 20.82 | 20.80 | 20.79 | 20.88 | | |
| 5 | 64QAM | 25 | 0 | 20.93 | 20.88 | 20.95 | 20.74 | 20.88 | | |

## Band 42(3.5GHz Band)_ANT 4(DSI3/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 42190 | 42590 | 42990 | | |
| Frequency (MHz) | | | | 3460 | 3500 | 3540 | | |
| 20 | QPSK | 1 | 0 | 10.90 | 10.72 | 10.59 | 11.5 | 0 |
| 20 | QPSK | 1 | 49 | 10.93 | 10.67 | 10.52 | | |
| 20 | QPSK | 1 | 99 | 10.79 | 10.56 | 10.45 | | |
| 20 | QPSK | 50 | 0 | 10.91 | 10.72 | 10.60 | 11.5 | 0 |
| 20 | QPSK | 50 | 24 | 10.92 | 10.75 | 10.56 | | |
| 20 | QPSK | 50 | 50 | 10.90 | 10.67 | 10.55 | | |
| 20 | QPSK | 100 | 0 | 10.92 | 10.71 | 10.51 | | |
| 20 | 16QAM | 1 | 0 | 10.70 | 10.67 | 10.54 | 11.5 | 0 |
| 20 | 16QAM | 1 | 49 | 10.77 | 10.56 | 10.42 | | |
| 20 | 16QAM | 1 | 99 | 10.66 | 10.43 | 10.34 | | |
| 20 | 16QAM | 50 | 0 | 10.81 | 10.51 | 10.40 | 11.5 | 0 |
| 20 | 16QAM | 50 | 24 | 10.80 | 10.58 | 10.37 | | |
| 20 | 16QAM | 50 | 50 | 10.72 | 10.46 | 10.37 | | |
| 20 | 16QAM | 100 | 0 | 10.76 | 10.53 | 10.34 | | |
| 20 | 64QAM | 1 | 0 | 10.46 | 10.27 | 10.15 | 11.5 | 0 |
| 20 | 64QAM | 1 | 49 | 10.47 | 10.25 | 10.13 | | |
| 20 | 64QAM | 1 | 99 | 10.37 | 10.12 | 10.03 | | |
| 20 | 64QAM | 50 | 0 | 10.81 | 10.55 | 10.40 | 11.5 | 0 |
| 20 | 64QAM | 50 | 24 | 10.82 | 10.57 | 10.39 | | |
| 20 | 64QAM | 50 | 50 | 10.72 | 10.50 | 10.35 | | |
| 20 | 64QAM | 100 | 0 | 10.75 | 10.57 | 10.34 | | |
| Channel | | | | 42165 | 42590 | 43015 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3457.5 | 3500 | 3542.5 | | |
| 15 | QPSK | 1 | 0 | 10.82 | 10.70 | 10.47 | 11.5 | 0 |
| 15 | QPSK | 1 | 37 | 10.90 | 10.61 | 10.46 | | |
| 15 | QPSK | 1 | 74 | 10.77 | 10.53 | 10.55 | | |
| 15 | QPSK | 36 | 0 | 10.77 | 10.56 | 10.41 | 11.5 | 0 |
| 15 | QPSK | 36 | 20 | 10.73 | 10.72 | 10.34 | | |
| 15 | QPSK | 36 | 39 | 10.81 | 10.58 | 10.53 | | |
| 15 | QPSK | 75 | 0 | 10.75 | 10.49 | 10.37 | | |
| 15 | 16QAM | 1 | 0 | 10.63 | 10.64 | 10.52 | 11.5 | 0 |
| 15 | 16QAM | 1 | 37 | 10.55 | 10.47 | 10.30 | | |
| 15 | 16QAM | 1 | 74 | 10.64 | 10.30 | 10.24 | | |
| 15 | 16QAM | 36 | 0 | 10.59 | 10.38 | 10.35 | 11.5 | 0 |
| 15 | 16QAM | 36 | 20 | 10.71 | 10.39 | 10.30 | | |
| 15 | 16QAM | 36 | 39 | 10.54 | 10.43 | 10.26 | | |
| 15 | 16QAM | 75 | 0 | 10.60 | 10.40 | 10.12 | | |
| 15 | 64QAM | 1 | 0 | 10.38 | 10.23 | 9.99 | 11.5 | 0 |
| 15 | 64QAM | 1 | 37 | 10.33 | 10.14 | 9.98 | | |
| 15 | 64QAM | 1 | 74 | 10.33 | 10.02 | 9.93 | | |
| 15 | 64QAM | 36 | 0 | 10.66 | 10.44 | 10.31 | 11.5 | 0 |
| 15 | 64QAM | 36 | 20 | 10.64 | 10.38 | 10.25 | | |
| 15 | 64QAM | 36 | 39 | 10.55 | 10.37 | 10.26 | | |
| 15 | 64QAM | 75 | 0 | 10.64 | 10.49 | 10.20 | | |
| Channel | | | | 42140 | 42590 | 43040 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3455 | 3500 | 3545 | | |
| 10 | QPSK | 1 | 0 | 10.76 | 10.51 | 10.53 | 11.5 | 0 |
| 10 | QPSK | 1 | 25 | 10.72 | 10.50 | 10.31 | | |
| 10 | QPSK | 1 | 49 | 10.67 | 10.40 | 10.28 | | |
| 10 | QPSK | 25 | 0 | 10.71 | 10.51 | 10.56 | 11.5 | 0 |
| 10 | QPSK | 25 | 12 | 10.80 | 10.58 | 10.40 | | |
| 10 | QPSK | 25 | 25 | 10.73 | 10.45 | 10.49 | | |
| 10 | QPSK | 50 | 0 | 10.78 | 10.49 | 10.45 | | |
| 10 | 16QAM | 1 | 0 | 10.61 | 10.65 | 10.34 | 11.5 | 0 |
| 10 | 16QAM | 1 | 25 | 10.60 | 10.34 | 10.32 | | |
| 10 | 16QAM | 1 | 49 | 10.53 | 10.24 | 10.32 | | |
| 10 | 16QAM | 25 | 0 | 10.70 | 10.40 | 10.22 | 11.5 | 0 |
| 10 | 16QAM | 25 | 12 | 10.63 | 10.40 | 10.27 | | |
| 10 | 16QAM | 25 | 25 | 10.58 | 10.43 | 10.27 | | |
| 10 | 16QAM | 50 | 0 | 10.58 | 10.48 | 10.23 | | |
| 10 | 64QAM | 1 | 0 | 10.40 | 10.30 | 10.20 | 11.5 | 0 |
| 10 | 64QAM | 1 | 25 | 10.36 | 10.29 | 10.26 | | |
| 10 | 64QAM | 1 | 49 | 10.37 | 10.29 | 10.30 | | |
| 10 | 64QAM | 25 | 0 | 10.69 | 10.49 | 10.38 | 11.5 | 0 |
| 10 | 64QAM | 25 | 12 | 10.63 | 10.35 | 10.37 | | |
| 10 | 64QAM | 25 | 25 | 10.52 | 10.46 | 10.19 | | |
| 10 | 64QAM | 50 | 0 | 10.69 | 10.45 | 10.20 | | |
| Channel | | | | 42115 | 42590 | 43065 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3452.5 | 3500 | 3547.5 | | |
| 5 | QPSK | 1 | 0 | 10.69 | 10.52 | 10.55 | 11.5 | 0 |
| 5 | QPSK | 1 | 12 | 10.88 | 10.62 | 10.40 | | |
| 5 | QPSK | 1 | 24 | 10.69 | 10.49 | 10.39 | | |
| 5 | QPSK | 12 | 0 | 10.81 | 10.50 | 10.42 | 11.5 | 0 |
| 5 | QPSK | 12 | 7 | 10.70 | 10.68 | 10.38 | | |
| 5 | QPSK | 12 | 13 | 10.83 | 10.57 | 10.43 | | |
| 5 | QPSK | 25 | 0 | 10.76 | 10.57 | 10.34 | | |
| 5 | 16QAM | 1 | 0 | 10.67 | 10.49 | 10.40 | 11.5 | 0 |
| 5 | 16QAM | 1 | 12 | 10.74 | 10.52 | 10.39 | | |
| 5 | 16QAM | 1 | 24 | 10.64 | 10.24 | 10.25 | | |
| 5 | 16QAM | 12 | 0 | 10.75 | 10.39 | 10.26 | 11.5 | 0 |
| 5 | 16QAM | 12 | 7 | 10.66 | 10.42 | 10.29 | | |
| 5 | 16QAM | 12 | 13 | 10.70 | 10.44 | 10.28 | | |
| 5 | 16QAM | 25 | 0 | 10.65 | 10.34 | 10.25 | | |
| 5 | 64QAM | 1 | 0 | 10.42 | 10.12 | 10.05 | 11.5 | 0 |
| 5 | 64QAM | 1 | 12 | 10.29 | 10.11 | 10.03 | | |
| 5 | 64QAM | 1 | 24 | 10.29 | 10.09 | 9.94 | | |
| 5 | 64QAM | 12 | 0 | 10.74 | 10.39 | 10.35 | 11.5 | 0 |
| 5 | 64QAM | 12 | 7 | 10.64 | 10.53 | 10.32 | | |
| 5 | 64QAM | 12 | 13 | 10.66 | 10.33 | 10.35 | | |
| 5 | 64QAM | 25 | 0 | 10.65 | 10.51 | 10.21 | | |

| | | DSI6 | | | | DSI6 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Band | | WCDMA II_ANT 1 | | | Tune-up Limit (dBm) | WCDMA IV_ANT 1 | | | Tune-up Limit (dBm) |
| TX Channel | | 9262 | 9400 | 9538 | | 1312 | 1413 | 1513 | |
| Rx Channel | | 9662 | 9800 | 9938 | | 1537 | 1638 | 1738 | |
| Frequency (MHz) | | 1852.4 | 1880 | 1907.6 | | 1712.4 | 1732.6 | 1752.6 | |
| 3GPP Rel 99 | AMR 12.2Kbps | 21.08 | 21.06 | 21.10 | 22.50 | 20.96 | 21.01 | 20.92 | 22.00 |
| 3GPP Rel 99 | RMC 12.2Kbps | 21.28 | 21.36 | 21.40 | 22.50 | 21.00 | 21.02 | 20.92 | 22.00 |
| 3GPP Rel 6 | HSDPA Subtest-1 | 20.28 | 20.13 | 20.22 | 21.50 | 20.00 | 20.02 | 19.94 | 21.00 |
| 3GPP Rel 6 | HSDPA Subtest-2 | 20.27 | 20.21 | 20.19 | 21.50 | 19.97 | 20.05 | 19.93 | 21.00 |
| 3GPP Rel 6 | HSDPA Subtest-3 | 19.25 | 19.45 | 19.31 | 21.00 | 19.41 | 19.48 | 19.37 | 20.50 |
| 3GPP Rel 6 | HSDPA Subtest-4 | 19.27 | 19.44 | 19.32 | 21.00 | 19.44 | 19.47 | 19.36 | 20.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-1 | 20.35 | 20.15 | 20.29 | 21.50 | 19.96 | 20.00 | 19.91 | 21.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-2 | 20.32 | 20.26 | 20.28 | 21.50 | 19.92 | 19.96 | 19.90 | 21.00 |
| 3GPP Rel 8 | DC-HSDPA Subtest-3 | 19.30 | 19.49 | 19.33 | 21.00 | 19.34 | 19.41 | 19.35 | 20.50 |
| 3GPP Rel 8 | DC-HSDPA Subtest-4 | 19.32 | 19.47 | 19.35 | 21.00 | 19.29 | 19.38 | 19.33 | 20.50 |
| 3GPP Rel 6 | HSUPA Subtest-1 | 20.21 | 20.42 | 20.22 | 21.50 | 20.01 | 20.03 | 19.92 | 21.00 |
| 3GPP Rel 6 | HSUPA Subtest-2 | 18.30 | 18.44 | 18.30 | 19.50 | 18.01 | 18.06 | 17.92 | 19.00 |
| 3GPP Rel 6 | HSUPA Subtest-3 | 19.34 | 19.50 | 19.44 | 20.50 | 18.99 | 19.05 | 18.91 | 20.00 |
| 3GPP Rel 6 | HSUPA Subtest-4 | 18.33 | 18.50 | 18.42 | 19.50 | 17.95 | 18.04 | 17.93 | 19.00 |
| 3GPP Rel 6 | HSUPA Subtest-5 | 20.25 | 20.50 | 20.31 | 21.50 | 20.15 | 20.19 | 20.07 | 21.00 |

## Band 2 (1900MHz Band)
## Part 24E_ANT 1(DSI6)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 18700 | 18900 | 19100 | | |
| Frequency (MHz) | | | | 1860 | 1880 | 1900 | | |
| 20 | QPSK | 1 | 0 | 21.42 | 21.48 | 21.47 | 22.5 | 0 |
| 20 | QPSK | 1 | 49 | 21.64 | 21.50 | 21.77 | | |
| 20 | QPSK | 1 | 99 | 21.27 | 21.41 | 21.11 | | |
| 20 | QPSK | 50 | 0 | 21.14 | 21.25 | 21.07 | 22.5 | 0 |
| 20 | QPSK | 50 | 24 | 21.46 | 21.62 | 21.63 | | |
| 20 | QPSK | 50 | 50 | 21.13 | 21.25 | 21.04 | | |
| 20 | QPSK | 100 | 0 | 21.32 | 21.41 | 21.45 | | |
| 20 | 16QAM | 1 | 0 | 21.39 | 21.45 | 21.39 | 22.5 | 0 |
| 20 | 16QAM | 1 | 49 | 21.25 | 21.44 | 21.30 | | |
| 20 | 16QAM | 1 | 99 | 21.60 | 21.76 | 21.48 | | |
| 20 | 16QAM | 50 | 0 | 21.26 | 21.43 | 21.21 | 22.5 | 0 |
| 20 | 16QAM | 50 | 24 | 21.37 | 21.43 | 21.25 | | |
| 20 | 16QAM | 50 | 50 | 21.36 | 21.48 | 21.22 | | |
| 20 | 16QAM | 100 | 0 | 21.33 | 21.38 | 21.20 | | |
| 20 | 64QAM | 1 | 0 | 21.37 | 21.57 | 21.38 | 22.5 | 0 |
| 20 | 64QAM | 1 | 49 | 21.32 | 21.58 | 21.29 | | |
| 20 | 64QAM | 1 | 99 | 21.42 | 21.47 | 21.17 | | |
| 20 | 64QAM | 50 | 0 | 20.30 | 20.43 | 20.28 | 21.5 | 1 |
| 20 | 64QAM | 50 | 24 | 20.38 | 20.49 | 20.28 | | |
| 20 | 64QAM | 50 | 50 | 20.35 | 20.46 | 20.27 | | |
| 20 | 64QAM | 100 | 0 | 20.33 | 20.42 | 20.22 | | |
| Channel | | | | 18675 | 18900 | 19125 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1857.5 | 1880 | 1902.5 | | |
| 15 | QPSK | 1 | 0 | 21.35 | 21.46 | 21.38 | 22.5 | 0 |
| 15 | QPSK | 1 | 37 | 21.62 | 21.41 | 21.74 | | |
| 15 | QPSK | 1 | 74 | 21.24 | 21.34 | 21.06 | | |
| 15 | QPSK | 36 | 0 | 21.41 | 21.58 | 21.58 | 22.5 | 0 |
| 15 | QPSK | 36 | 20 | 21.11 | 21.16 | 21.01 | | |
| 15 | QPSK | 36 | 39 | 21.06 | 21.16 | 20.95 | | |
| 15 | QPSK | 75 | 0 | 21.05 | 21.15 | 21.23 | | |
| 15 | 16QAM | 1 | 0 | 21.35 | 21.39 | 21.30 | 22.5 | 0 |
| 15 | 16QAM | 1 | 37 | 21.18 | 21.37 | 21.25 | | |
| 15 | 16QAM | 1 | 74 | 21.58 | 21.68 | 21.42 | | |
| 15 | 16QAM | 36 | 0 | 21.24 | 21.40 | 21.17 | 22.5 | 0 |
| 15 | 16QAM | 36 | 20 | 21.28 | 21.36 | 21.21 | | |
| 15 | 16QAM | 36 | 39 | 21.31 | 21.40 | 21.14 | | |
| 15 | 16QAM | 75 | 0 | 21.27 | 21.35 | 21.15 | | |
| 15 | 64QAM | 1 | 0 | 21.34 | 21.51 | 21.30 | 22.5 | 0 |
| 15 | 64QAM | 1 | 37 | 21.29 | 21.53 | 21.23 | | |
| 15 | 64QAM | 1 | 74 | 21.38 | 21.39 | 21.10 | | |
| 15 | 64QAM | 36 | 0 | 20.21 | 20.36 | 20.19 | 21.5 | 1 |
| 15 | 64QAM | 36 | 20 | 20.32 | 20.47 | 20.23 | | |
| 15 | 64QAM | 36 | 39 | 20.26 | 20.38 | 20.21 | | |
| 15 | 64QAM | 75 | 0 | 20.29 | 20.39 | 20.15 | | |
| Channel | | | | 18650 | 18900 | 19150 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1855 | 1880 | 1905 | | |
| 10 | QPSK | 1 | 0 | 21.36 | 21.45 | 21.40 | 22.5 | 0 |
| 10 | QPSK | 1 | 25 | 21.56 | 21.46 | 21.74 | | |
| 10 | QPSK | 1 | 49 | 21.19 | 21.39 | 21.02 | | |
| 10 | QPSK | 25 | 0 | 21.43 | 21.59 | 21.58 | 22.5 | 0 |
| 10 | QPSK | 25 | 12 | 21.11 | 21.19 | 21.01 | | |
| 10 | QPSK | 25 | 25 | 21.09 | 21.17 | 20.98 | | |
| 10 | QPSK | 50 | 0 | 21.04 | 21.15 | 21.19 | | |
| 10 | 16QAM | 1 | 0 | 21.35 | 21.36 | 21.35 | 22.5 | 0 |
| 10 | 16QAM | 1 | 25 | 21.22 | 21.35 | 21.21 | | |
| 10 | 16QAM | 1 | 49 | 21.55 | 21.72 | 21.43 | | |
| 10 | 16QAM | 25 | 0 | 21.24 | 21.37 | 21.18 | 22.5 | 0 |
| 10 | 16QAM | 25 | 12 | 21.34 | 21.37 | 21.16 | | |
| 10 | 16QAM | 25 | 25 | 21.28 | 21.42 | 21.20 | | |
| 10 | 16QAM | 50 | 0 | 21.24 | 21.29 | 21.17 | | |
| 10 | 64QAM | 1 | 0 | 21.34 | 21.51 | 21.33 | 22.5 | 0 |
| 10 | 64QAM | 1 | 25 | 21.30 | 21.53 | 21.23 | | |
| 10 | 64QAM | 1 | 49 | 21.40 | 21.43 | 21.14 | | |
| 10 | 64QAM | 25 | 0 | 20.23 | 20.38 | 20.20 | 21.5 | 1 |
| 10 | 64QAM | 25 | 12 | 20.33 | 20.47 | 20.22 | | |
| 10 | 64QAM | 25 | 25 | 20.30 | 20.41 | 20.25 | | |
| 10 | 64QAM | 50 | 0 | 20.27 | 20.36 | 20.16 | | |
| Channel | | | | 18625 | 18900 | 19175 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1852.5 | 1880 | 1907.5 | | |
| 5 | QPSK | 1 | 0 | 21.35 | 21.43 | 21.45 | 22.5 | 0 |
| 5 | QPSK | 1 | 12 | 21.55 | 21.46 | 21.74 | | |
| 5 | QPSK | 1 | 24 | 21.22 | 21.39 | 21.04 | | |
| 5 | QPSK | 12 | 0 | 21.43 | 21.54 | 21.61 | 22.5 | 0 |
| 5 | QPSK | 12 | 7 | 21.09 | 21.18 | 21.02 | | |
| 5 | QPSK | 12 | 13 | 21.07 | 21.16 | 20.99 | | |
| 5 | QPSK | 25 | 0 | 21.10 | 21.16 | 21.17 | | |
| 5 | 16QAM | 1 | 0 | 21.36 | 21.42 | 21.35 | 22.5 | 0 |
| 5 | 16QAM | 1 | 12 | 21.22 | 21.36 | 21.22 | | |
| 5 | 16QAM | 1 | 24 | 21.52 | 21.72 | 21.41 | | |
| 5 | 16QAM | 12 | 0 | 21.23 | 21.39 | 21.17 | 22.5 | 0 |
| 5 | 16QAM | 12 | 7 | 21.29 | 21.39 | 21.23 | | |
| 5 | 16QAM | 12 | 13 | 21.31 | 21.46 | 21.13 | | |
| 5 | 16QAM | 25 | 0 | 21.27 | 21.31 | 21.18 | | |
| 5 | 64QAM | 1 | 0 | 21.28 | 21.55 | 21.36 | 22.5 | 0 |
| 5 | 64QAM | 1 | 12 | 21.28 | 21.49 | 21.22 | | |
| 5 | 64QAM | 1 | 24 | 21.38 | 21.43 | 21.08 | | |
| 5 | 64QAM | 12 | 0 | 20.21 | 20.34 | 20.22 | 21.5 | 1 |
| 5 | 64QAM | 12 | 7 | 20.35 | 20.42 | 20.21 | | |
| 5 | 64QAM | 12 | 13 | 20.33 | 20.44 | 20.25 | | |
| 5 | 64QAM | 25 | 0 | 20.26 | 20.38 | 20.14 | | |
| Channel | | | | 18615 | 18900 | 19185 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1851.5 | 1880 | 1908.5 | | |
| 3 | QPSK | 1 | 0 | 21.36 | 21.43 | 21.42 | 22.5 | 0 |
| 3 | QPSK | 1 | 8 | 21.57 | 21.48 | 21.70 | | |
| 3 | QPSK | 1 | 14 | 21.25 | 21.33 | 21.06 | | |
| 3 | QPSK | 8 | 0 | 21.37 | 21.58 | 21.54 | 22.5 | 0 |
| 3 | QPSK | 8 | 4 | 21.05 | 21.19 | 21.00 | | |
| 3 | QPSK | 8 | 7 | 21.05 | 21.17 | 21.02 | | |
| 3 | QPSK | 15 | 0 | 21.03 | 21.12 | 21.17 | | |
| 3 | 16QAM | 1 | 0 | 21.33 | 21.39 | 21.34 | 22.5 | 0 |
| 3 | 16QAM | 1 | 8 | 21.20 | 21.35 | 21.23 | | |
| 3 | 16QAM | 1 | 14 | 21.58 | 21.74 | 21.41 | | |
| 3 | 16QAM | 8 | 0 | 21.19 | 21.41 | 21.14 | 22.5 | 0 |
| 3 | 16QAM | 8 | 4 | 21.33 | 21.41 | 21.18 | | |
| 3 | 16QAM | 8 | 7 | 21.32 | 21.44 | 21.15 | | |
| 3 | 16QAM | 15 | 0 | 21.26 | 21.33 | 21.14 | | |
| 3 | 64QAM | 1 | 0 | 21.34 | 21.54 | 21.29 | 22.5 | 0 |
| 3 | 64QAM | 1 | 8 | 21.28 | 21.50 | 21.26 | | |
| 3 | 64QAM | 1 | 14 | 21.40 | 21.43 | 21.13 | | |
| 3 | 64QAM | 8 | 0 | 20.22 | 20.34 | 20.19 | 21.5 | 1 |
| 3 | 64QAM | 8 | 4 | 20.30 | 20.46 | 20.19 | | |
| 3 | 64QAM | 8 | 7 | 20.27 | 20.43 | 20.24 | | |
| 3 | 64QAM | 15 | 0 | 20.30 | 20.38 | 20.19 | | |
| Channel | | | | 18607 | 18900 | 19193 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1850.7 | 1880 | 1909.3 | | |
| 1.4 | QPSK | 1 | 0 | 21.38 | 21.45 | 21.44 | 22.5 | 0 |
| 1.4 | QPSK | 1 | 3 | 21.57 | 21.45 | 21.73 | | |
| 1.4 | QPSK | 1 | 5 | 21.23 | 21.37 | 21.04 | | |
| 1.4 | QPSK | 3 | 0 | 21.44 | 21.56 | 21.58 | | |
| 1.4 | QPSK | 3 | 1 | 21.05 | 21.18 | 20.99 | | |
| 1.4 | QPSK | 3 | 3 | 21.11 | 21.16 | 20.95 | | |
| 1.4 | QPSK | 6 | 0 | 21.10 | 21.12 | 21.18 | 22.5 | 0 |
| 1.4 | 16QAM | 1 | 0 | 21.36 | 21.43 | 21.37 | 22.5 | 0 |
| 1.4 | 16QAM | 1 | 3 | 21.18 | 21.40 | 21.24 | | |
| 1.4 | 16QAM | 1 | 5 | 21.51 | 21.71 | 21.44 | | |
| 1.4 | 16QAM | 3 | 0 | 21.24 | 21.41 | 21.19 | | |
| 1.4 | 16QAM | 3 | 1 | 21.31 | 21.34 | 21.23 | | |
| 1.4 | 16QAM | 3 | 3 | 21.28 | 21.40 | 21.15 | | |
| 1.4 | 16QAM | 6 | 0 | 21.30 | 21.30 | 21.16 | 22.5 | 0 |
| 1.4 | 64QAM | 1 | 0 | 21.30 | 21.49 | 21.31 | 22.5 | 0 |
| 1.4 | 64QAM | 1 | 3 | 21.26 | 21.54 | 21.21 | | |
| 1.4 | 64QAM | 1 | 5 | 21.35 | 21.38 | 21.09 | | |
| 1.4 | 64QAM | 3 | 0 | 21.26 | 21.41 | 21.22 | | |
| 1.4 | 64QAM | 3 | 1 | 21.29 | 21.47 | 21.21 | | |
| 1.4 | 64QAM | 3 | 3 | 21.30 | 21.37 | 21.25 | | |
| 1.4 | 64QAM | 6 | 0 | 20.24 | 20.39 | 20.16 | 21.5 | 1 |

## Band 4 (AWS Band)
## Part 27L (only on channel required)_ANT 1(DSI6)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 20050 | 20175 | 20300 | | |
| Frequency (MHz) | | | | 1720 | 1732.5 | 1745 | | |
| 20 | QPSK | 1 | 0 | 20.53 | 20.60 | 20.62 | 22 | 0 |
| 20 | QPSK | 1 | 49 | 20.72 | 20.90 | 20.62 | | |
| 20 | QPSK | 1 | 99 | 20.50 | 20.45 | 20.33 | | |
| 20 | QPSK | 50 | 0 | 20.64 | 20.76 | 20.75 | 22 | 0 |
| 20 | QPSK | 50 | 24 | 20.67 | 20.79 | 20.64 | | |
| 20 | QPSK | 50 | 50 | 20.58 | 20.56 | 20.44 | | |
| 20 | QPSK | 100 | 0 | 20.43 | 20.48 | 20.36 | | |
| 20 | 16QAM | 1 | 0 | 20.72 | 20.74 | 20.82 | 22 | 0 |
| 20 | 16QAM | 1 | 49 | 20.55 | 20.66 | 20.64 | | |
| 20 | 16QAM | 1 | 99 | 20.56 | 20.60 | 20.49 | | |
| 20 | 16QAM | 50 | 0 | 20.65 | 20.76 | 20.76 | 22 | 0 |
| 20 | 16QAM | 50 | 24 | 20.69 | 20.72 | 20.67 | | |
| 20 | 16QAM | 50 | 50 | 20.62 | 20.62 | 20.49 | | |
| 20 | 16QAM | 100 | 0 | 20.63 | 20.67 | 20.65 | | |
| 20 | 64QAM | 1 | 0 | 20.82 | 20.89 | 20.81 | 22 | 0 |
| 20 | 64QAM | 1 | 49 | 20.67 | 20.69 | 20.71 | | |
| 20 | 64QAM | 1 | 99 | 20.71 | 20.54 | 20.49 | | |
| 20 | 64QAM | 50 | 0 | 19.96 | 20.07 | 20.08 | 21 | 1 |
| 20 | 64QAM | 50 | 24 | 19.99 | 20.01 | 19.95 | | |
| 20 | 64QAM | 50 | 50 | 19.93 | 19.92 | 19.78 | | |
| 20 | 64QAM | 100 | 0 | 19.97 | 19.98 | 19.95 | | |
| Channel | | | | 20025 | 20175 | 20325 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1732.5 | 1747.5 | | |
| 15 | QPSK | 1 | 0 | 20.51 | 20.56 | 20.58 | 22 | 0 |
| 15 | QPSK | 1 | 37 | 20.67 | 20.86 | 20.55 | | |
| 15 | QPSK | 1 | 74 | 20.45 | 20.43 | 20.25 | | |
| 15 | QPSK | 36 | 0 | 20.62 | 20.73 | 20.71 | 22 | 0 |
| 15 | QPSK | 36 | 20 | 20.62 | 20.72 | 20.59 | | |
| 15 | QPSK | 36 | 39 | 20.50 | 20.51 | 20.37 | | |
| 15 | QPSK | 75 | 0 | 20.40 | 20.43 | 20.32 | | |
| 15 | 16QAM | 1 | 0 | 20.67 | 20.67 | 20.80 | 22 | 0 |
| 15 | 16QAM | 1 | 37 | 20.49 | 20.58 | 20.58 | | |
| 15 | 16QAM | 1 | 74 | 20.52 | 20.58 | 20.41 | | |
| 15 | 16QAM | 36 | 0 | 20.58 | 20.70 | 20.74 | 22 | 0 |
| 15 | 16QAM | 36 | 20 | 20.63 | 20.64 | 20.60 | | |
| 15 | 16QAM | 36 | 39 | 20.56 | 20.53 | 20.40 | | |
| 15 | 16QAM | 75 | 0 | 20.54 | 20.64 | 20.59 | | |
| 15 | 64QAM | 1 | 0 | 20.78 | 20.81 | 20.74 | 22 | 0 |
| 15 | 64QAM | 1 | 37 | 20.64 | 20.61 | 20.64 | | |
| 15 | 64QAM | 1 | 74 | 20.68 | 20.49 | 20.41 | | |
| 15 | 64QAM | 36 | 0 | 19.89 | 20.01 | 20.00 | 21 | 1 |
| 15 | 64QAM | 36 | 20 | 19.91 | 19.92 | 19.89 | | |
| 15 | 64QAM | 36 | 39 | 19.86 | 19.87 | 19.72 | | |
| 15 | 64QAM | 75 | 0 | 19.89 | 19.90 | 19.93 | | |
| Channel | | | | 20000 | 20175 | 20350 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1732.5 | 1750 | | |
| 10 | QPSK | 1 | 0 | 20.44 | 20.51 | 20.60 | 22 | 0 |
| 10 | QPSK | 1 | 25 | 20.66 | 20.81 | 20.55 | | |
| 10 | QPSK | 1 | 49 | 20.45 | 20.43 | 20.25 | | |
| 10 | QPSK | 25 | 0 | 20.60 | 20.69 | 20.66 | 22 | 0 |
| 10 | QPSK | 25 | 12 | 20.61 | 20.76 | 20.57 | | |
| 10 | QPSK | 25 | 25 | 20.52 | 20.49 | 20.36 | | |
| 10 | QPSK | 50 | 0 | 20.35 | 20.46 | 20.34 | | |
| 10 | 16QAM | 1 | 0 | 20.64 | 20.68 | 20.78 | 22 | 0 |
| 10 | 16QAM | 1 | 25 | 20.52 | 20.60 | 20.61 | | |
| 10 | 16QAM | 1 | 49 | 20.50 | 20.51 | 20.46 | | |
| 10 | 16QAM | 25 | 0 | 20.56 | 20.72 | 20.73 | 22 | 0 |
| 10 | 16QAM | 25 | 12 | 20.64 | 20.67 | 20.65 | | |
| 10 | 16QAM | 25 | 25 | 20.57 | 20.59 | 20.42 | | |
| 10 | 16QAM | 50 | 0 | 20.55 | 20.58 | 20.62 | | |
| 10 | 64QAM | 1 | 0 | 20.76 | 20.81 | 20.75 | 22 | 0 |
| 10 | 64QAM | 1 | 25 | 20.59 | 20.64 | 20.67 | | |
| 10 | 64QAM | 1 | 49 | 20.66 | 20.47 | 20.43 | | |
| 10 | 64QAM | 25 | 0 | 19.92 | 19.98 | 19.99 | 21 | 1 |
| 10 | 64QAM | 25 | 12 | 19.90 | 19.99 | 19.91 | | |
| 10 | 64QAM | 25 | 25 | 19.90 | 19.85 | 19.74 | | |
| 10 | 64QAM | 50 | 0 | 19.93 | 19.90 | 19.87 | | |
| Channel | | | | 19975 | 20175 | 20375 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1732.5 | 1752.5 | | |
| 5 | QPSK | 1 | 0 | 20.51 | 20.57 | 20.60 | 22 | 0 |
| 5 | QPSK | 1 | 12 | 20.70 | 20.83 | 20.60 | | |
| 5 | QPSK | 1 | 24 | 20.46 | 20.36 | 20.24 | | |
| 5 | QPSK | 12 | 0 | 20.55 | 20.67 | 20.66 | 22 | 0 |
| 5 | QPSK | 12 | 7 | 20.59 | 20.71 | 20.58 | | |
| 5 | QPSK | 12 | 13 | 20.55 | 20.54 | 20.38 | | |
| 5 | QPSK | 25 | 0 | 20.41 | 20.44 | 20.33 | | |
| 5 | 16QAM | 1 | 0 | 20.64 | 20.68 | 20.77 | 22 | 0 |
| 5 | 16QAM | 1 | 12 | 20.52 | 20.62 | 20.62 | | |
| 5 | 16QAM | 1 | 24 | 20.47 | 20.56 | 20.42 | | |
| 5 | 16QAM | 12 | 0 | 20.62 | 20.72 | 20.72 | 22 | 0 |
| 5 | 16QAM | 12 | 7 | 20.67 | 20.63 | 20.65 | | |
| 5 | 16QAM | 12 | 13 | 20.58 | 20.53 | 20.41 | | |
| 5 | 16QAM | 25 | 0 | 20.61 | 20.58 | 20.59 | | |
| 5 | 64QAM | 1 | 0 | 20.80 | 20.81 | 20.76 | 22 | 0 |
| 5 | 64QAM | 1 | 12 | 20.64 | 20.67 | 20.62 | | |
| 5 | 64QAM | 1 | 24 | 20.65 | 20.52 | 20.45 | | |
| 5 | 64QAM | 12 | 0 | 19.89 | 20.03 | 20.05 | 21 | 1 |
| 5 | 64QAM | 12 | 7 | 19.96 | 19.94 | 19.93 | | |
| 5 | 64QAM | 12 | 13 | 19.90 | 19.88 | 19.76 | | |
| 5 | 64QAM | 25 | 0 | 19.95 | 19.94 | 19.93 | | |
| Channel | | | | 19965 | 20175 | 20385 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1711.5 | 1732.5 | 1753.5 | | |
| 3 | QPSK | 1 | 0 | 20.45 | 20.52 | 20.54 | 22 | 0 |
| 3 | QPSK | 1 | 8 | 20.65 | 20.82 | 20.56 | | |
| 3 | QPSK | 1 | 14 | 20.48 | 20.39 | 20.31 | | |
| 3 | QPSK | 8 | 0 | 20.62 | 20.74 | 20.67 | 22 | 0 |
| 3 | QPSK | 8 | 4 | 20.65 | 20.71 | 20.59 | | |
| 3 | QPSK | 8 | 7 | 20.49 | 20.51 | 20.40 | | |
| 3 | QPSK | 15 | 0 | 20.39 | 20.39 | 20.28 | | |
| 3 | 16QAM | 1 | 0 | 20.66 | 20.71 | 20.74 | 22 | 0 |
| 3 | 16QAM | 1 | 8 | 20.53 | 20.57 | 20.62 | | |
| 3 | 16QAM | 1 | 14 | 20.52 | 20.55 | 20.41 | | |
| 3 | 16QAM | 8 | 0 | 20.63 | 20.74 | 20.73 | 22 | 0 |
| 3 | 16QAM | 8 | 4 | 20.65 | 20.65 | 20.65 | | |
| 3 | 16QAM | 8 | 7 | 20.56 | 20.53 | 20.43 | | |
| 3 | 16QAM | 15 | 0 | 20.59 | 20.62 | 20.60 | | |
| 3 | 64QAM | 1 | 0 | 20.80 | 20.86 | 20.78 | 22 | 0 |
| 3 | 64QAM | 1 | 8 | 20.61 | 20.63 | 20.68 | | |
| 3 | 64QAM | 1 | 14 | 20.63 | 20.45 | 20.47 | | |
| 3 | 64QAM | 8 | 0 | 19.90 | 20.00 | 20.04 | 21 | 1 |
| 3 | 64QAM | 8 | 4 | 19.92 | 19.92 | 19.92 | | |
| 3 | 64QAM | 8 | 7 | 19.84 | 19.85 | 19.74 | | |
| 3 | 64QAM | 15 | 0 | 19.92 | 19.89 | 19.91 | | |
| Channel | | | | 19957 | 20175 | 20393 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1732.5 | 1754.3 | | |
| 1.4 | QPSK | 1 | 0 | 20.47 | 20.58 | 20.60 | 22 | 0 |
| 1.4 | QPSK | 1 | 3 | 20.69 | 20.86 | 20.53 | | |
| 1.4 | QPSK | 1 | 5 | 20.44 | 20.42 | 20.25 | | |
| 1.4 | QPSK | 3 | 0 | 20.58 | 20.71 | 20.73 | | |
| 1.4 | QPSK | 3 | 1 | 20.62 | 20.72 | 20.62 | | |
| 1.4 | QPSK | 3 | 3 | 20.53 | 20.52 | 20.39 | | |
| 1.4 | QPSK | 6 | 0 | 20.39 | 20.43 | 20.31 | 22 | 0 |
| 1.4 | 16QAM | 1 | 0 | 20.70 | 20.66 | 20.75 | 22 | 0 |
| 1.4 | 16QAM | 1 | 3 | 20.53 | 20.64 | 20.62 | | |
| 1.4 | 16QAM | 1 | 5 | 20.48 | 20.56 | 20.47 | | |
| 1.4 | 16QAM | 3 | 0 | 20.61 | 20.70 | 20.72 | | |
| 1.4 | 16QAM | 3 | 1 | 20.66 | 20.65 | 20.59 | | |
| 1.4 | 16QAM | 3 | 3 | 20.57 | 20.58 | 20.45 | | |
| 1.4 | 16QAM | 6 | 0 | 20.59 | 20.59 | 20.63 | 22 | 0 |
| 1.4 | 64QAM | 1 | 0 | 20.78 | 20.83 | 20.74 | 22 | 0 |
| 1.4 | 64QAM | 1 | 3 | 20.64 | 20.66 | 20.68 | | |
| 1.4 | 64QAM | 1 | 5 | 20.66 | 20.48 | 20.41 | | |
| 1.4 | 64QAM | 3 | 0 | 20.39 | 20.48 | 20.49 | | |
| 1.4 | 64QAM | 3 | 1 | 20.42 | 20.42 | 20.39 | | |
| 1.4 | 64QAM | 3 | 3 | 20.35 | 20.38 | 20.22 | | |
| 1.4 | 64QAM | 6 | 0 | 19.88 | 19.92 | 19.91 | 21 | 1 |

## Band 7 (2600MHz Band)
## Part 27_ANT 1(DSI6)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 20850 | 21100 | 21350 | | |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | QPSK | 1 | 0 | 21.92 | 22.19 | 21.95 | 23 | 0 |
| 20 | QPSK | 1 | 49 | 21.94 | 22.14 | 21.97 | | |
| 20 | QPSK | 1 | 99 | 21.95 | 22.10 | 22.00 | | |
| 20 | QPSK | 50 | 0 | 21.73 | 21.81 | 21.76 | 23 | 0 |
| 20 | QPSK | 50 | 24 | 21.86 | 21.88 | 21.84 | | |
| 20 | QPSK | 50 | 50 | 21.75 | 21.83 | 21.80 | | |
| 20 | QPSK | 100 | 0 | 21.69 | 21.84 | 21.79 | | |
| 20 | 16QAM | 1 | 0 | 21.87 | 22.09 | 21.83 | 23 | 0 |
| 20 | 16QAM | 1 | 49 | 21.86 | 22.04 | 21.91 | | |
| 20 | 16QAM | 1 | 99 | 21.92 | 22.01 | 21.91 | | |
| 20 | 16QAM | 50 | 0 | 20.82 | 20.94 | 20.81 | 22 | 1 |
| 20 | 16QAM | 50 | 24 | 20.91 | 20.98 | 20.85 | | |
| 20 | 16QAM | 50 | 50 | 20.80 | 20.93 | 20.83 | | |
| 20 | 16QAM | 100 | 0 | 20.79 | 20.87 | 20.73 | | |
| 20 | 64QAM | 1 | 0 | 20.96 | 21.14 | 20.90 | 22 | 1 |
| 20 | 64QAM | 1 | 49 | 20.94 | 21.14 | 20.99 | | |
| 20 | 64QAM | 1 | 99 | 20.96 | 21.06 | 21.02 | | |
| 20 | 64QAM | 50 | 0 | 19.85 | 19.94 | 19.83 | 21 | 2 |
| 20 | 64QAM | 50 | 24 | 19.90 | 19.97 | 19.89 | | |
| 20 | 64QAM | 50 | 50 | 19.82 | 19.91 | 19.82 | | |
| 20 | 64QAM | 100 | 0 | 19.81 | 19.87 | 19.76 | | |
| Channel | | | | 20825 | 21100 | 21375 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | QPSK | 1 | 0 | 21.96 | 22.17 | 21.96 | 23 | 0 |
| 15 | QPSK | 1 | 37 | 21.95 | 22.15 | 22.00 | | |
| 15 | QPSK | 1 | 74 | 22.01 | 22.15 | 22.03 | | |
| 15 | QPSK | 36 | 0 | 21.68 | 21.78 | 21.74 | 23 | 0 |
| 15 | QPSK | 36 | 20 | 21.79 | 21.83 | 21.84 | | |
| 15 | QPSK | 36 | 39 | 21.66 | 21.77 | 21.85 | | |
| 15 | QPSK | 75 | 0 | 21.66 | 21.78 | 21.79 | | |
| 15 | 16QAM | 1 | 0 | 21.86 | 22.12 | 21.86 | 23 | 0 |
| 15 | 16QAM | 1 | 37 | 21.83 | 22.06 | 21.88 | | |
| 15 | 16QAM | 1 | 74 | 21.87 | 22.01 | 21.95 | | |
| 15 | 16QAM | 36 | 0 | 20.83 | 20.98 | 20.83 | 22 | 1 |
| 15 | 16QAM | 36 | 20 | 20.87 | 21.05 | 20.87 | | |
| 15 | 16QAM | 36 | 39 | 20.81 | 20.97 | 20.91 | | |
| 15 | 16QAM | 75 | 0 | 20.85 | 20.90 | 20.84 | | |
| 15 | 64QAM | 1 | 0 | 20.97 | 21.19 | 20.96 | 22 | 1 |
| 15 | 64QAM | 1 | 37 | 20.96 | 21.14 | 21.01 | | |
| 15 | 64QAM | 1 | 74 | 20.96 | 21.06 | 21.03 | | |
| 15 | 64QAM | 36 | 0 | 19.90 | 20.03 | 19.84 | 21 | 2 |
| 15 | 64QAM | 36 | 20 | 19.92 | 20.13 | 19.92 | | |
| 15 | 64QAM | 36 | 39 | 19.87 | 20.01 | 19.91 | | |
| 15 | 64QAM | 75 | 0 | 19.83 | 19.96 | 19.82 | | |
| Channel | | | | 20800 | 21100 | 21400 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | QPSK | 1 | 0 | 21.95 | 22.13 | 21.91 | 23 | 0 |
| 10 | QPSK | 1 | 25 | 21.93 | 22.14 | 21.94 | | |
| 10 | QPSK | 1 | 49 | 21.95 | 22.15 | 22.00 | | |
| 10 | QPSK | 25 | 0 | 21.74 | 21.81 | 21.71 | 23 | 0 |
| 10 | QPSK | 25 | 12 | 21.76 | 21.84 | 21.75 | | |
| 10 | QPSK | 25 | 25 | 21.74 | 21.83 | 21.83 | | |
| 10 | QPSK | 50 | 0 | 21.69 | 21.75 | 21.71 | | |
| 10 | 16QAM | 1 | 0 | 21.97 | 22.10 | 21.95 | 23 | 0 |
| 10 | 16QAM | 1 | 25 | 21.92 | 22.11 | 21.90 | | |
| 10 | 16QAM | 1 | 49 | 21.93 | 22.11 | 21.95 | | |
| 10 | 16QAM | 25 | 0 | 20.89 | 21.05 | 20.76 | 22 | 1 |
| 10 | 16QAM | 25 | 12 | 20.90 | 21.08 | 20.83 | | |
| 10 | 16QAM | 25 | 25 | 20.87 | 21.03 | 20.89 | | |
| 10 | 16QAM | 50 | 0 | 20.83 | 21.01 | 20.76 | | |
| 10 | 64QAM | 1 | 0 | 20.99 | 21.21 | 20.94 | 22 | 1 |
| 10 | 64QAM | 1 | 25 | 21.05 | 21.21 | 21.03 | | |
| 10 | 64QAM | 1 | 49 | 21.07 | 21.19 | 21.07 | | |
| 10 | 64QAM | 25 | 0 | 19.89 | 20.10 | 19.82 | 21 | 2 |
| 10 | 64QAM | 25 | 12 | 19.96 | 20.13 | 19.87 | | |
| 10 | 64QAM | 25 | 25 | 19.91 | 20.07 | 19.90 | | |
| 10 | 64QAM | 50 | 0 | 19.83 | 20.03 | 19.77 | | |
| Channel | | | | 20775 | 21100 | 21425 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | QPSK | 1 | 0 | 22.00 | 22.16 | 21.99 | 23 | 0 |
| 5 | QPSK | 1 | 12 | 22.00 | 22.14 | 22.04 | | |
| 5 | QPSK | 1 | 24 | 22.04 | 22.10 | 22.00 | | |
| 5 | QPSK | 12 | 0 | 21.71 | 21.80 | 21.78 | 23 | 0 |
| 5 | QPSK | 12 | 7 | 21.73 | 21.84 | 21.85 | | |
| 5 | QPSK | 12 | 13 | 21.74 | 21.85 | 21.80 | | |
| 5 | QPSK | 25 | 0 | 21.72 | 21.78 | 21.79 | | |
| 5 | 16QAM | 1 | 0 | 22.00 | 22.16 | 21.92 | 23 | 0 |
| 5 | 16QAM | 1 | 12 | 21.95 | 22.14 | 21.96 | | |
| 5 | 16QAM | 1 | 24 | 21.97 | 22.10 | 21.95 | | |
| 5 | 16QAM | 12 | 0 | 20.91 | 21.06 | 20.88 | 22 | 1 |
| 5 | 16QAM | 12 | 7 | 21.02 | 21.12 | 20.96 | | |
| 5 | 16QAM | 12 | 13 | 20.95 | 21.09 | 20.91 | | |
| 5 | 16QAM | 25 | 0 | 20.89 | 21.06 | 20.86 | | |
| 5 | 64QAM | 1 | 0 | 21.08 | 21.26 | 21.07 | 22 | 1 |
| 5 | 64QAM | 1 | 12 | 21.05 | 21.22 | 21.01 | | |
| 5 | 64QAM | 1 | 24 | 21.05 | 21.20 | 21.02 | | |
| 5 | 64QAM | 12 | 0 | 19.92 | 20.14 | 19.91 | 21 | 2 |
| 5 | 64QAM | 12 | 7 | 19.98 | 20.20 | 19.94 | | |
| 5 | 64QAM | 12 | 13 | 19.90 | 20.10 | 19.93 | | |
| 5 | 64QAM | 25 | 0 | 19.89 | 20.06 | 19.88 | | |

## Band 66_ANT 1(DSI6)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 132072 | 132322 | 132572 | | |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| 20 | QPSK | 1 | 0 | 20.53 | 20.64 | 20.46 | 22 | 0 |
| 20 | QPSK | 1 | 49 | 20.81 | 20.91 | 20.77 | | |
| 20 | QPSK | 1 | 99 | 20.47 | 20.39 | 20.24 | | |
| 20 | QPSK | 50 | 0 | 20.61 | 20.65 | 20.50 | 22 | 0 |
| 20 | QPSK | 50 | 24 | 20.66 | 20.67 | 20.66 | | |
| 20 | QPSK | 50 | 50 | 20.58 | 20.65 | 20.48 | | |
| 20 | QPSK | 100 | 0 | 20.45 | 20.46 | 20.35 | | |
| 20 | 16QAM | 1 | 0 | 20.69 | 20.90 | 20.55 | 22 | 0 |
| 20 | 16QAM | 1 | 49 | 20.64 | 20.69 | 20.55 | | |
| 20 | 16QAM | 1 | 99 | 20.86 | 20.64 | 20.65 | | |
| 20 | 16QAM | 50 | 0 | 20.61 | 20.64 | 20.53 | 22 | 0 |
| 20 | 16QAM | 50 | 24 | 20.72 | 20.62 | 20.56 | | |
| 20 | 16QAM | 50 | 50 | 20.59 | 20.59 | 20.46 | | |
| 20 | 16QAM | 100 | 0 | 20.65 | 20.52 | 20.55 | | |
| 20 | 64QAM | 1 | 0 | 20.81 | 20.82 | 20.78 | 22 | 0 |
| 20 | 64QAM | 1 | 49 | 20.75 | 20.81 | 20.60 | | |
| 20 | 64QAM | 1 | 99 | 20.76 | 20.39 | 20.48 | | |
| 20 | 64QAM | 50 | 0 | 19.95 | 19.97 | 19.83 | 21 | 1 |
| 20 | 64QAM | 50 | 24 | 19.99 | 19.91 | 19.87 | | |
| 20 | 64QAM | 50 | 50 | 19.94 | 19.94 | 19.77 | | |
| 20 | 64QAM | 100 | 0 | 19.97 | 19.86 | 19.85 | | |
| Channel | | | | 132047 | 132322 | 132597 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| 15 | QPSK | 1 | 0 | 20.48 | 20.58 | 20.40 | 22 | 0 |
| 15 | QPSK | 1 | 37 | 20.76 | 20.87 | 20.75 | | |
| 15 | QPSK | 1 | 74 | 20.44 | 20.36 | 20.21 | | |
| 15 | QPSK | 36 | 0 | 20.52 | 20.56 | 20.41 | 22 | 0 |
| 15 | QPSK | 36 | 20 | 20.62 | 20.59 | 20.49 | | |
| 15 | QPSK | 36 | 39 | 20.50 | 20.63 | 20.41 | | |
| 15 | QPSK | 75 | 0 | 20.38 | 20.42 | 20.28 | | |
| 15 | 16QAM | 1 | 0 | 20.66 | 20.86 | 20.46 | 22 | 0 |
| 15 | 16QAM | 1 | 37 | 20.58 | 20.67 | 20.46 | | |
| 15 | 16QAM | 1 | 74 | 20.80 | 20.61 | 20.59 | | |
| 15 | 16QAM | 36 | 0 | 20.59 | 20.59 | 20.51 | 22 | 0 |
| 15 | 16QAM | 36 | 20 | 20.63 | 20.58 | 20.48 | | |
| 15 | 16QAM | 36 | 39 | 20.55 | 20.50 | 20.40 | | |
| 15 | 16QAM | 75 | 0 | 20.62 | 20.49 | 20.46 | | |
| 15 | 64QAM | 1 | 0 | 20.75 | 20.77 | 20.71 | 22 | 0 |
| 15 | 64QAM | 1 | 37 | 20.73 | 20.72 | 20.51 | | |
| 15 | 64QAM | 1 | 74 | 20.74 | 20.33 | 20.43 | | |
| 15 | 64QAM | 36 | 0 | 19.89 | 19.91 | 19.81 | 21 | 1 |
| 15 | 64QAM | 36 | 20 | 19.90 | 19.84 | 19.78 | | |
| 15 | 64QAM | 36 | 39 | 19.89 | 19.87 | 19.74 | | |
| 15 | 64QAM | 75 | 0 | 19.95 | 19.79 | 19.81 | | |
| Channel | | | | 132022 | 132322 | 132622 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | QPSK | 1 | 0 | 20.48 | 20.58 | 20.37 | 22 | 0 |
| 10 | QPSK | 1 | 25 | 20.78 | 20.89 | 20.73 | | |
| 10 | QPSK | 1 | 49 | 20.43 | 20.32 | 20.19 | | |
| 10 | QPSK | 25 | 0 | 20.53 | 20.56 | 20.44 | 22 | 0 |
| 10 | QPSK | 25 | 12 | 20.62 | 20.64 | 20.49 | | |
| 10 | QPSK | 25 | 25 | 20.53 | 20.63 | 20.44 | | |
| 10 | QPSK | 50 | 0 | 20.41 | 20.41 | 20.29 | | |
| 10 | 16QAM | 1 | 0 | 20.67 | 20.88 | 20.46 | 22 | 0 |
| 10 | 16QAM | 1 | 25 | 20.59 | 20.60 | 20.52 | | |
| 10 | 16QAM | 1 | 49 | 20.81 | 20.59 | 20.59 | | |
| 10 | 16QAM | 25 | 0 | 20.54 | 20.57 | 20.51 | 22 | 0 |
| 10 | 16QAM | 25 | 12 | 20.64 | 20.54 | 20.52 | | |
| 10 | 16QAM | 25 | 25 | 20.56 | 20.55 | 20.42 | | |
| 10 | 16QAM | 50 | 0 | 20.57 | 20.48 | 20.49 | | |
| 10 | 64QAM | 1 | 0 | 20.77 | 20.76 | 20.70 | 22 | 0 |
| 10 | 64QAM | 1 | 25 | 20.69 | 20.73 | 20.55 | | |
| 10 | 64QAM | 1 | 49 | 20.67 | 20.44 | 20.39 | | |
| 10 | 64QAM | 25 | 0 | 19.89 | 19.94 | 19.76 | 21 | 1 |
| 10 | 64QAM | 25 | 12 | 19.93 | 19.85 | 19.83 | | |
| 10 | 64QAM | 25 | 25 | 19.87 | 19.91 | 19.73 | | |
| 10 | 64QAM | 50 | 0 | 19.89 | 19.79 | 19.83 | | |
| Channel | | | | 131997 | 132322 | 132647 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | QPSK | 1 | 0 | 20.45 | 20.55 | 20.41 | 22 | 0 |
| 5 | QPSK | 1 | 12 | 20.72 | 20.87 | 20.74 | | |
| 5 | QPSK | 1 | 24 | 20.45 | 20.34 | 20.15 | | |
| 5 | QPSK | 12 | 0 | 20.55 | 20.59 | 20.47 | 22 | 0 |
| 5 | QPSK | 12 | 7 | 20.61 | 20.64 | 20.48 | | |
| 5 | QPSK | 12 | 13 | 20.54 | 20.57 | 20.42 | | |
| 5 | QPSK | 25 | 0 | 20.37 | 20.39 | 20.32 | | |
| 5 | 16QAM | 1 | 0 | 20.61 | 20.85 | 20.52 | 22 | 0 |
| 5 | 16QAM | 1 | 12 | 20.56 | 20.66 | 20.53 | | |
| 5 | 16QAM | 1 | 24 | 20.81 | 20.62 | 20.60 | | |
| 5 | 16QAM | 12 | 0 | 20.52 | 20.55 | 20.44 | 22 | 0 |
| 5 | 16QAM | 12 | 7 | 20.69 | 20.54 | 20.49 | | |
| 5 | 16QAM | 12 | 13 | 20.54 | 20.52 | 20.42 | | |
| 5 | 16QAM | 25 | 0 | 20.61 | 20.43 | 20.49 | | |
| 5 | 64QAM | 1 | 0 | 20.72 | 20.77 | 20.69 | 22 | 0 |
| 5 | 64QAM | 1 | 12 | 20.67 | 20.78 | 20.56 | | |
| 5 | 64QAM | 1 | 24 | 20.67 | 20.55 | 20.44 | | |
| 5 | 64QAM | 12 | 0 | 19.93 | 19.88 | 19.74 | 21 | 1 |
| 5 | 64QAM | 12 | 7 | 19.94 | 19.87 | 19.85 | | |
| 5 | 64QAM | 12 | 13 | 19.87 | 19.90 | 19.68 | | |
| 5 | 64QAM | 25 | 0 | 19.89 | 19.77 | 19.83 | | |
| Channel | | | | 131987 | 132322 | 132657 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1711.5 | 1745 | 1778.5 | | |
| 3 | QPSK | 1 | 0 | 20.45 | 20.61 | 20.39 | 22 | 0 |
| 3 | QPSK | 1 | 8 | 20.73 | 20.84 | 20.73 | | |
| 3 | QPSK | 1 | 14 | 20.41 | 20.30 | 20.16 | | |
| 3 | QPSK | 8 | 0 | 20.54 | 20.62 | 20.47 | 22 | 0 |
| 3 | QPSK | 8 | 4 | 20.58 | 20.62 | 20.51 | | |
| 3 | QPSK | 8 | 7 | 20.55 | 20.57 | 20.39 | | |
| 3 | QPSK | 15 | 0 | 20.40 | 20.38 | 20.29 | | |
| 3 | 16QAM | 1 | 0 | 20.66 | 20.82 | 20.53 | 22 | 0 |
| 3 | 16QAM | 1 | 8 | 20.56 | 20.66 | 20.50 | | |
| 3 | 16QAM | 1 | 14 | 20.78 | 20.59 | 20.56 | | |
| 3 | 16QAM | 8 | 0 | 20.57 | 20.55 | 20.50 | 22 | 0 |
| 3 | 16QAM | 8 | 4 | 20.70 | 20.59 | 20.48 | | |
| 3 | 16QAM | 8 | 7 | 20.51 | 20.55 | 20.38 | | |
| 3 | 16QAM | 15 | 0 | 20.56 | 20.44 | 20.49 | | |
| 3 | 64QAM | 1 | 0 | 20.72 | 20.79 | 20.73 | 22 | 0 |
| 3 | 64QAM | 1 | 8 | 20.67 | 20.78 | 20.53 | | |
| 3 | 64QAM | 1 | 14 | 20.69 | 20.52 | 20.42 | | |
| 3 | 64QAM | 8 | 0 | 19.91 | 19.92 | 19.78 | 21 | 1 |
| 3 | 64QAM | 8 | 4 | 19.97 | 19.86 | 19.80 | | |
| 3 | 64QAM | 8 | 7 | 19.85 | 19.86 | 19.68 | | |
| 3 | 64QAM | 15 | 0 | 19.93 | 19.79 | 19.81 | | |
| Channel | | | | 131979 | 132322 | 132665 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1710.7 | 1745 | 1779.3 | | |
| 1.4 | QPSK | 1 | 0 | 20.45 | 20.58 | 20.37 | 22 | 0 |
| 1.4 | QPSK | 1 | 3 | 20.76 | 20.82 | 20.73 | | |
| 1.4 | QPSK | 1 | 5 | 20.38 | 20.31 | 20.17 | | |
| 1.4 | QPSK | 3 | 0 | 20.52 | 20.56 | 20.46 | | |
| 1.4 | QPSK | 3 | 1 | 20.63 | 20.63 | 20.48 | | |
| 1.4 | QPSK | 3 | 3 | 20.53 | 20.57 | 20.46 | | |
| 1.4 | QPSK | 6 | 0 | 20.43 | 20.41 | 20.28 | 22 | 0 |
| 1.4 | 16QAM | 1 | 0 | 20.66 | 20.82 | 20.49 | 22 | 0 |
| 1.4 | 16QAM | 1 | 3 | 20.62 | 20.66 | 20.49 | | |
| 1.4 | 16QAM | 1 | 5 | 20.79 | 20.61 | 20.63 | | |
| 1.4 | 16QAM | 3 | 0 | 20.52 | 20.62 | 20.49 | | |
| 1.4 | 16QAM | 3 | 1 | 20.64 | 20.58 | 20.52 | | |
| 1.4 | 16QAM | 3 | 3 | 20.57 | 20.50 | 20.38 | | |
| 1.4 | 16QAM | 6 | 0 | 20.56 | 20.44 | 20.48 | 22 | 0 |
| 1.4 | 64QAM | 1 | 0 | 20.77 | 20.75 | 20.69 | 22 | 0 |
| 1.4 | 64QAM | 1 | 3 | 20.71 | 20.79 | 20.52 | | |
| 1.4 | 64QAM | 1 | 5 | 20.67 | 20.37 | 20.44 | | |
| 1.4 | 64QAM | 3 | 0 | 20.73 | 20.69 | 20.55 | | |
| 1.4 | 64QAM | 3 | 1 | 20.75 | 20.63 | 20.64 | | |
| 1.4 | 64QAM | 3 | 3 | 20.71 | 20.65 | 20.52 | | |
| 1.4 | 64QAM | 6 | 0 | 19.91 | 19.80 | 19.83 | 21 | 1 |

## Band 42(3.5GHz Band)_ANT 4(DSI6)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 42190 | 42590 | 42990 | | |
| Frequency (MHz) | | | | 3460 | 3500 | 3540 | | |
| 20 | QPSK | 1 | 0 | 17.72 | 17.54 | 17.37 | 18.5 | 0 |
| 20 | QPSK | 1 | 49 | 17.75 | 17.45 | 17.35 | | |
| 20 | QPSK | 1 | 99 | 17.59 | 17.30 | 17.26 | | |
| 20 | QPSK | 50 | 0 | 17.74 | 17.55 | 17.44 | 18.5 | 0 |
| 20 | QPSK | 50 | 24 | 17.75 | 17.51 | 17.39 | | |
| 20 | QPSK | 50 | 50 | 17.68 | 17.43 | 17.38 | | |
| 20 | QPSK | 100 | 0 | 17.72 | 17.50 | 17.38 | | |
| 20 | 16QAM | 1 | 0 | 17.60 | 17.44 | 17.26 | 18.5 | 0 |
| 20 | 16QAM | 1 | 49 | 17.56 | 17.31 | 17.19 | | |
| 20 | 16QAM | 1 | 99 | 17.49 | 17.20 | 17.12 | | |
| 20 | 16QAM | 50 | 0 | 17.60 | 17.34 | 17.22 | 18.5 | 0 |
| 20 | 16QAM | 50 | 24 | 17.61 | 17.38 | 17.27 | | |
| 20 | 16QAM | 50 | 50 | 17.59 | 17.32 | 17.20 | | |
| 20 | 16QAM | 100 | 0 | 17.58 | 17.33 | 17.24 | | |
| 20 | 64QAM | 1 | 0 | 17.24 | 17.11 | 16.99 | 18.5 | 0 |
| 20 | 64QAM | 1 | 49 | 17.29 | 17.11 | 16.96 | | |
| 20 | 64QAM | 1 | 99 | 17.20 | 16.89 | 16.87 | | |
| 20 | 64QAM | 50 | 0 | 17.62 | 17.35 | 17.24 | 18.5 | 0 |
| 20 | 64QAM | 50 | 24 | 17.60 | 17.38 | 17.28 | | |
| 20 | 64QAM | 50 | 50 | 17.57 | 17.30 | 17.22 | | |
| 20 | 64QAM | 100 | 0 | 17.61 | 17.36 | 17.22 | | |
| Channel | | | | 42165 | 42590 | 43015 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3457.5 | 3500 | 3542.5 | | |
| 15 | QPSK | 1 | 0 | 17.67 | 17.39 | 17.17 | 18.5 | 0 |
| 15 | QPSK | 1 | 37 | 17.64 | 17.35 | 17.27 | | |
| 15 | QPSK | 1 | 74 | 17.41 | 17.26 | 17.23 | | |
| 15 | QPSK | 36 | 0 | 17.72 | 17.36 | 17.25 | 18.5 | 0 |
| 15 | QPSK | 36 | 20 | 17.69 | 17.53 | 17.22 | | |
| 15 | QPSK | 36 | 39 | 17.63 | 17.28 | 17.24 | | |
| 15 | QPSK | 75 | 0 | 17.69 | 17.45 | 17.36 | | |
| 15 | 16QAM | 1 | 0 | 17.55 | 17.40 | 17.12 | 18.5 | 0 |
| 15 | 16QAM | 1 | 37 | 17.45 | 17.25 | 17.10 | | |
| 15 | 16QAM | 1 | 74 | 17.41 | 17.19 | 17.16 | | |
| 15 | 16QAM | 36 | 0 | 17.42 | 17.32 | 17.02 | 18.5 | 0 |
| 15 | 16QAM | 36 | 20 | 17.40 | 17.19 | 17.10 | | |
| 15 | 16QAM | 36 | 39 | 17.52 | 17.25 | 17.13 | | |
| 15 | 16QAM | 75 | 0 | 17.50 | 17.13 | 17.18 | | |
| 15 | 64QAM | 1 | 0 | 17.20 | 17.06 | 16.97 | 18.5 | 0 |
| 15 | 64QAM | 1 | 37 | 17.12 | 16.91 | 16.85 | | |
| 15 | 64QAM | 1 | 74 | 17.00 | 16.85 | 16.89 | | |
| 15 | 64QAM | 36 | 0 | 17.56 | 17.33 | 17.15 | 18.5 | 0 |
| 15 | 64QAM | 36 | 20 | 17.50 | 17.18 | 17.10 | | |
| 15 | 64QAM | 36 | 39 | 17.48 | 17.19 | 17.20 | | |
| 15 | 64QAM | 75 | 0 | 17.52 | 17.16 | 17.09 | | |
| Channel | | | | 42140 | 42590 | 43040 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3455 | 3500 | 3545 | | |
| 10 | QPSK | 1 | 0 | 17.68 | 17.48 | 17.33 | 18.5 | 0 |
| 10 | QPSK | 1 | 25 | 17.63 | 17.43 | 17.21 | | |
| 10 | QPSK | 1 | 49 | 17.44 | 17.23 | 17.21 | | |
| 10 | QPSK | 25 | 0 | 17.66 | 17.36 | 17.22 | 18.5 | 0 |
| 10 | QPSK | 25 | 12 | 17.67 | 17.51 | 17.34 | | |
| 10 | QPSK | 25 | 25 | 17.57 | 17.23 | 17.23 | | |
| 10 | QPSK | 50 | 0 | 17.70 | 17.44 | 17.20 | | |
| 10 | 16QAM | 1 | 0 | 17.44 | 17.35 | 17.17 | 18.5 | 0 |
| 10 | 16QAM | 1 | 25 | 17.50 | 17.29 | 17.12 | | |
| 10 | 16QAM | 1 | 49 | 17.46 | 17.09 | 17.02 | | |
| 10 | 16QAM | 25 | 0 | 17.44 | 17.29 | 17.11 | 18.5 | 0 |
| 10 | 16QAM | 25 | 12 | 17.42 | 17.23 | 17.20 | | |
| 10 | 16QAM | 25 | 25 | 17.57 | 17.15 | 17.12 | | |
| 10 | 16QAM | 50 | 0 | 17.43 | 17.22 | 17.11 | | |
| 10 | 64QAM | 1 | 0 | 17.16 | 16.93 | 16.88 | 18.5 | 0 |
| 10 | 64QAM | 1 | 25 | 17.16 | 16.95 | 16.76 | | |
| 10 | 64QAM | 1 | 49 | 17.10 | 16.78 | 16.77 | | |
| 10 | 64QAM | 25 | 0 | 17.58 | 17.25 | 17.10 | 18.5 | 0 |
| 10 | 64QAM | 25 | 12 | 17.52 | 17.30 | 17.16 | | |
| 10 | 64QAM | 25 | 25 | 17.43 | 17.12 | 17.10 | | |
| 10 | 64QAM | 50 | 0 | 17.52 | 17.22 | 17.12 | | |
| Channel | | | | 42115 | 42590 | 43065 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3452.5 | 3500 | 3547.5 | | |
| 5 | QPSK | 1 | 0 | 17.69 | 17.37 | 17.28 | 18.5 | 0 |
| 5 | QPSK | 1 | 12 | 17.61 | 17.24 | 17.32 | | |
| 5 | QPSK | 1 | 24 | 17.45 | 17.27 | 17.19 | | |
| 5 | QPSK | 12 | 0 | 17.61 | 17.31 | 17.18 | 18.5 | 0 |
| 5 | QPSK | 12 | 7 | 17.54 | 17.49 | 17.38 | | |
| 5 | QPSK | 12 | 13 | 17.56 | 17.26 | 17.17 | | |
| 5 | QPSK | 25 | 0 | 17.62 | 17.31 | 17.25 | | |
| 5 | 16QAM | 1 | 0 | 17.54 | 17.33 | 17.21 | 18.5 | 0 |
| 5 | 16QAM | 1 | 12 | 17.36 | 17.10 | 17.16 | | |
| 5 | 16QAM | 1 | 24 | 17.36 | 17.12 | 17.09 | | |
| 5 | 16QAM | 12 | 0 | 17.40 | 17.30 | 17.16 | 18.5 | 0 |
| 5 | 16QAM | 12 | 7 | 17.59 | 17.29 | 17.16 | | |
| 5 | 16QAM | 12 | 13 | 17.40 | 17.12 | 17.12 | | |
| 5 | 16QAM | 25 | 0 | 17.38 | 17.12 | 17.18 | | |
| 5 | 64QAM | 1 | 0 | 17.21 | 16.99 | 16.96 | 18.5 | 0 |
| 5 | 64QAM | 1 | 12 | 17.12 | 16.91 | 16.83 | | |
| 5 | 64QAM | 1 | 24 | 17.11 | 16.82 | 16.74 | | |
| 5 | 64QAM | 12 | 0 | 17.52 | 17.27 | 17.15 | 18.5 | 0 |
| 5 | 64QAM | 12 | 7 | 17.50 | 17.26 | 17.23 | | |
| 5 | 64QAM | 12 | 13 | 17.40 | 17.20 | 17.03 | | |
| 5 | 64QAM | 25 | 0 | 17.49 | 17.14 | 17.12 | | |

| CA_7C | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Total RB Size | Target MPR Level (dB) | Power Reduction | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | | | | |
| 20850 | 21048 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI2/DSI4 | 22.74 | 24 |
| 21100 | 20902 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI2/DSI4 | 22.71 | 24 |
| 21350 | 21152 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI2/DSI4 | 22.79 | 24 |
| 20850 | 21048 | QPSK | 50 | 24 | 0 | 0 | 1 | 0 | DSI3/DSI7 | 18.73 | 20 |
| 21100 | 20902 | QPSK | 50 | 24 | 0 | 0 | 1 | 0 | DSI3/DSI7 | 18.77 | 20 |
| 21350 | 21152 | QPSK | 50 | 24 | 0 | 0 | 1 | 0 | DSI3/DSI7 | 18.8 | 20 |
| 20850 | 21048 | QPSK | 50 | 24 | 0 | 0 | 1 | 0 | DSI6 | 21.85 | 23 |
| 21100 | 20902 | QPSK | 50 | 24 | 0 | 0 | 1 | 0 | DSI6 | 21.87 | 23 |
| 21350 | 21152 | QPSK | 50 | 24 | 0 | 0 | 1 | 0 | DSI6 | 21.91 | 23 |

**UL CA**

| CA_38C | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Total RB Size | Target MPR Level (dB) | Power Reduction | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | | | | |
| 37850 | 38048 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI2/DSI4 | 22.86 | 24 |
| 37901 | 38099 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI2/DSI4 | 22.91 | 24 |
| 38150 | 37952 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI2/DSI4 | 22.77 | 24 |
| 37850 | 38048 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI3/DSI7 | 21.33 | 22 |
| 37901 | 38099 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI3/DSI7 | 21.42 | 22 |
| 38150 | 37952 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI3/DSI7 | 21.54 | 22 |

| CA_41C | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | | | | | |
| PCC Channel | SCC Channel | Modulation | PCC | | SCC | | Total RB Size | Target MPR Level (dB | Power Reduction | Measured Power (dBm) | Tune up Power (dBm) |
| | | | RB Size | RB offset | RB Size | RB offset | | | | | |
| 39750 | 39948 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI2/DSI4 | 22.74 | 24.00 |
| 40185 | 39987 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI2/DSI4 | 22.88 | 24.00 |
| 40620 | 40422 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI2/DSI4 | 22.89 | 24.00 |
| 41055 | 40857 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI2/DSI4 | 22.77 | 24.00 |
| 41490 | 41292 | QPSK | 1 | 49 | 0 | 0 | 1 | 0 | DSI2/DSI4 | 22.92 | 24.00 |
| 39750 | 39948 | QPSK | 50 | 24 | 0 | 0 | 1 | 0 | DSI3/DSI7 | 21.43 | 22.00 |
| 40185 | 39987 | QPSK | 50 | 24 | 0 | 0 | 1 | 0 | DSI3/DSI7 | 21.48 | 22.00 |
| 40620 | 40422 | QPSK | 50 | 24 | 0 | 0 | 1 | 0 | DSI3/DSI7 | 21.59 | 22.00 |
| 41055 | 40857 | QPSK | 50 | 24 | 0 | 0 | 1 | 0 | DSI3/DSI7 | 21.48 | 22.00 |
| 41490 | 41292 | QPSK | 50 | 24 | 0 | 0 | 1 | 0 | DSI3/DSI7 | 21.55 | 22.00 |

## DL CA

Full Power

2CC

| Configure | | CA Configuration (BCS) | PCC | | | | | | | SCC | | | | Power | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LTE Band | BW (MHz) | UL Freq. (MHz) | UL Channel | Mod. | UL# RB | UL RB Offset | LTE Band | BW (MHz) | DL Freq. (MHz) | DL Channel | With CA Tx.Power (dBm) | W/O CA Tx.Power (dBm) |
| Inter-Band | | CA_2A-5A | Band 2 | 20M | 1900 | 19100 | QPSK | 1 | 49 | Band 5 | 10M | 881.5 | 2525 | 22.71 | 22.73 |
| | | CA_4A-5A | Band 4 | 20M | 1732.5 | 20175 | QPSK | 1 | 49 | Band 5 | 10M | 881.5 | 2525 | 22.62 | 22.66 |
| | | CA_4A-7A | Band 4 | 20M | 1732.5 | 20175 | QPSK | 1 | 49 | Band 7 | 20M | 2655 | 3100 | 22.61 | 22.66 |
| | | CA_4A-12A | Band 4 | 20M | 1732.5 | 20175 | QPSK | 1 | 49 | Band 12 | 10M | 737.5 | 5095 | 22.64 | 22.66 |
| | | CA_4A-17A | Band 4 | 10M | 1732.5 | 20175 | QPSK | 1 | 49 | Band 17 | 10M | 740 | 5790 | 22.53 | 22.58 |
| | | CA_5A-7A | Band 5 | 10M | 844 | 20600 | QPSK | 1 | 25 | Band 7 | 20M | 2655 | 3100 | 22.62 | 22.64 |
| | | CA_5A-66A | Band 5 | 10M | 844 | 20600 | QPSK | 1 | 25 | Band 66 | 20M | 2155 | 66886 | 22.59 | 22.64 |
| | | CA_12A-66A | Band 12 | 10M | 704 | 23060 | QPSK | 1 | 25 | Band 66 | 20M | 2155 | 66886 | 22.85 | 22.86 |
| Intra-Band | Non-Contiguous | CA_4A-4A | Band 4 | 20M | 1732.5 | 20175 | QPSK | 1 | 49 | Band 4 | 5M | 2152.5 | 2375 | 22.64 | 22.66 |
| | | CA_7A-7A | Band 7 | 20M | 2535 | 21100 | QPSK | 1 | 49 | Band 7 | 5M | 2687.5 | 3425 | 22.63 | 22.80 |
| | | CA_41A-41A | Band 41 | 20M | 2549.5 | 40185 | QPSK | 1 | 49 | Band 41 | 5M | 2687.5 | 41565 | 22.74 | 22.94 |
| | | CA_66A-66A | Band 66 | 20M | 1745 | 132322 | QPSK | 1 | 49 | Band 66 | 5M | 2197.5 | 67311 | 22.61 | 22.68 |
| | Contiguous | CA_7B | Band 7 | 15M | 2535 | 21100 | QPSK | 1 | 37 | Band 7 | 5M | 2664.3 | 3193 | 22.51 | 22.68 |
| | | CA_7C | Band 7 | 20M | 2535 | 21100 | QPSK | 1 | 49 | Band 7 | 20M | 2674.80 | 3298 | 22.58 | 22.80 |
| | | CA_38C | Band 38 | 20M | 2580 | 37850 | QPSK | 1 | 49 | Band 38 | 20M | 2599.80 | 38048 | 22.82 | 22.88 |
| | | CA_41C | Band 41 | 20M | 2549.5 | 40185 | QPSK | 1 | 49 | Band 41 | 20M | 2569.3 | 40383 | 22.71 | 22.94 |
| | | CA_66B | Band 66 | 15M | 1745 | 132322 | QPSK | 1 | 37 | Band 66 | 5M | 2164.30 | 66979 | 22.46 | 22.53 |
| | | CA_66C | Band 66 | 20M | 1745 | 132322 | QPSK | 1 | 49 | Band 66 | 20M | 2174.80 | 67084 | 22.53 | 22.68 |

3CC

| Configure | | CA Configuration (BCS) | PCC | | | | | | | SCC1 | | | | SCC2 | | | | Power | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | LTE Band | BW (MHz) | UL Freq. (MHz) | UL Channel | Mod. | UL# RB | UL RB Offset | LTE Band | BW (MHz) | DL Freq. (MHz) | DL Channel | LTE Band | BW (MHz) | DL Freq. (MHz) | DL Channel | With CA Tx.Power (dBm) | W/O CA Tx.Power (dBm) |
| | | CA_5A-66A-66A | Band 5 | 10M | 844 | 20600 | QPSK | 1 | 25 | Band 66 | 20M | 2155 | 66886 | Band 66 | 5M | 2197.5 | 67311 | 22.56 | 22.64 |
| | | CA_4A-7C | Band 4 | 20M | 1732.5 | 20175 | QPSK | 1 | 49 | Band 7 | 20M | 2655 | 3100 | Band 7 | 20M | 2674.8 | 3298 | 22.61 | 22.66 |
| | | CA_5A-7C | Band 5 | 10M | 844 | 20600 | QPSK | 1 | 25 | Band 7 | 20M | 2655 | 3100 | Band 7 | 20M | 2674.8 | 3298 | 22.60 | 22.64 |
| | Contiguous | CA_41D | Band 41 | 20M | 2549.5 | 40185 | QPSK | 1 | 49 | Band 41 | 20M | 2569.3 | 40383 | Band 41 | 20M | 2589.1 | 40581 | 22.59 | 22.94 |

**Conducted Full Power level/Default Power level/ Pmax Power Level for 5G NR**

### n5_ANT 2(DSI4/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 166800 | 167300 | 167800 | | |
| Frequency (MHz) | | | | 834 | 836.5 | 839 | | |
| 20 | PI/2 BPSK | 1 | 1 | 23.08 | 23.10 | 22.96 | 24.0 | 0.0 |
| 20 | PI/2 BPSK | 1 | 53 | 22.73 | 22.79 | 22.62 | | |
| 20 | PI/2 BPSK | 1 | 104 | 22.82 | 22.88 | 22.53 | | |
| 20 | PI/2 BPSK | 50 | 0 | 22.18 | 22.21 | 22.16 | 23.5 | 0.5 |
| 20 | PI/2 BPSK | 50 | 28 | 22.63 | 22.67 | 22.59 | 24.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 56 | 22.28 | 22.29 | 22.18 | 23.5 | 0.5 |
| 20 | PI/2 BPSK | 100 | 0 | 22.21 | 22.28 | 22.12 | | |
| 20 | QPSK | 1 | 1 | 23.07 | 22.96 | 22.85 | 24.0 | 0.0 |
| 20 | QPSK | 1 | 53 | 23.07 | 22.71 | 22.74 | | |
| 20 | QPSK | 1 | 104 | 22.75 | 22.69 | 22.61 | | |
| 20 | QPSK | 50 | 0 | 21.78 | 21.69 | 21.63 | 23.0 | 1.0 |
| 20 | QPSK | 50 | 28 | 22.76 | 22.82 | 22.79 | 24.0 | 0.0 |
| 20 | QPSK | 50 | 56 | 21.62 | 21.59 | 21.54 | 23.0 | 1.0 |
| 20 | QPSK | 100 | 0 | 21.66 | 21.69 | 21.58 | | |
| 20 | 16QAM | 1 | 1 | 22.21 | 22.23 | 22.09 | 23.0 | 1.0 |
| 20 | 64QAM | 1 | 1 | 20.02 | 20.12 | 19.97 | 21.5 | 2.5 |
| 20 | 256QAM | 1 | 1 | 18.03 | 18.06 | 17.96 | 19.5 | 4.5 |
| Channel | | | | 166300 | 167300 | 168300 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 831.5 | 836.5 | 841.5 | | |
| 15 | PI/2 BPSK | 1 | 1 | 23.01 | 23.04 | 22.96 | 24.0 | 0.0 |
| Channel | | | | 165800 | 167300 | 168800 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | |
| 10 | PI/2 BPSK | 1 | 1 | 23.08 | 23.09 | 22.95 | 24.0 | 0.0 |
| Channel | | | | 165300 | 167300 | 169300 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | |
| 5 | PI/2 BPSK | 1 | 1 | 23.06 | 22.88 | 22.92 | 24.0 | 0.0 |

### n7_ANT 2(DSI4)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 502000 | 507000 | 512000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | PI/2 BPSK | 1 | 1 | 22.97 | 23.00 | 23.03 | 24.0 | 0.0 |
| 20 | PI/2 BPSK | 1 | 53 | 23.06 | 23.19 | 23.21 | | |
| 20 | PI/2 BPSK | 1 | 104 | 22.70 | 22.86 | 23.12 | | |
| 20 | PI/2 BPSK | 50 | 0 | 21.63 | 21.68 | 21.70 | 23.5 | 0.5 |
| 20 | PI/2 BPSK | 50 | 28 | 22.91 | 23.12 | 23.15 | 24.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 56 | 21.57 | 21.59 | 21.62 | 23.5 | 0.5 |
| 20 | PI/2 BPSK | 100 | 0 | 21.67 | 21.68 | 21.70 | | |
| 20 | QPSK | 1 | 1 | 22.71 | 22.73 | 23.02 | 24.0 | 0.0 |
| 20 | QPSK | 1 | 53 | 23.00 | 23.11 | 23.16 | | |
| 20 | QPSK | 1 | 104 | 22.78 | 22.89 | 23.19 | | |
| 20 | QPSK | 50 | 0 | 21.16 | 21.15 | 21.21 | 23.0 | 1.0 |
| 20 | QPSK | 50 | 28 | 22.98 | 23.07 | 23.12 | 24.0 | 0.0 |
| 20 | QPSK | 50 | 56 | 21.18 | 21.13 | 21.19 | 23.0 | 1.0 |
| 20 | QPSK | 100 | 0 | 21.17 | 21.19 | 21.18 | | |
| 20 | 16QAM | 1 | 1 | 21.65 | 21.66 | 21.62 | 23.0 | 1.0 |
| 20 | 64QAM | 1 | 1 | 19.58 | 19.52 | 19.62 | 21.5 | 2.5 |
| 20 | 256QAM | 1 | 1 | 17.52 | 19..56 | 17.59 | 19.5 | 4.5 |
| Channel | | | | 501500 | 507000 | 512500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | PI/2 BPSK | 1 | 1 | 23.12 | 23.00 | 23.06 | 24.0 | 0.0 |
| Channel | | | | 501000 | 507000 | 513000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | PI/2 BPSK | 1 | 1 | 23.09 | 22.97 | 23.01 | 24.0 | 0.0 |
| Channel | | | | 500500 | 507000 | 513500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | PI/2 BPSK | 1 | 1 | 23.07 | 23.13 | 23.01 | 22.9 | 0.0 |

### n66_ANT 2(DSI4)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 344000 | 349000 | 354000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| 20 | PI/2 BPSK | 1 | 1 | 22.98 | 23.06 | 22.81 | 24.0 | 0.0 |
| 20 | PI/2 BPSK | 1 | 53 | 23.01 | 23.10 | 22.89 | | |
| 20 | PI/2 BPSK | 1 | 104 | 22.94 | 22.96 | 22.77 | | |
| 20 | PI/2 BPSK | 50 | 0 | 21.62 | 21.67 | 21.51 | 23.5 | 0.5 |
| 20 | PI/2 BPSK | 50 | 28 | 22.86 | 22.91 | 22.82 | 24.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 56 | 21.55 | 21.61 | 21.50 | 23.5 | 0.5 |
| 20 | PI/2 BPSK | 100 | 0 | 21.53 | 21.59 | 21.52 | | |
| 20 | QPSK | 1 | 1 | 22.97 | 23.08 | 22.85 | 24.0 | 0.0 |
| 20 | QPSK | 1 | 53 | 22.86 | 22.98 | 22.84 | | |
| 20 | QPSK | 1 | 104 | 22.87 | 23.01 | 22.87 | | |
| 20 | QPSK | 50 | 0 | 21.16 | 21.26 | 21.03 | 23.0 | 1.0 |
| 20 | QPSK | 50 | 28 | 22.83 | 23.02 | 22.80 | 24.0 | 0.0 |
| 20 | QPSK | 50 | 56 | 21.09 | 21.12 | 21.06 | 23.0 | 1.0 |
| 20 | QPSK | 100 | 0 | 21.01 | 21.09 | 21.04 | | |
| 20 | 16QAM | 1 | 1 | 21.12 | 21.23 | 20.96 | 23.0 | 1.0 |
| 20 | 64QAM | 1 | 1 | 19.50 | 19.53 | 19.17 | 21.5 | 2.5 |
| 20 | 256QAM | 1 | 1 | 17.52 | 17.68 | 17.38 | 19.5 | 4.5 |
| Channel | | | | 343500 | 349000 | 354500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| 15 | PI/2 BPSK | 1 | 1 | 22.91 | 23.02 | 22.81 | 24.0 | 0.0 |
| Channel | | | | 343000 | 349000 | 355000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | PI/2 BPSK | 1 | 1 | 22.89 | 23.00 | 22.81 | 24.0 | 0.0 |
| Channel | | | | 342500 | 349000 | 355500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | PI/2 BPSK | 1 | 1 | 22.84 | 22.89 | 22.79 | 24.0 | 0.0 |

## n77_FCC_ANT 4(DSI2/DSI4)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 650000 | 656000 | 662000 | | |
| Frequency (MHz) | | | | 3750 | 3840 | 3930 | | |
| 100 | PI/2 BPSK | 1 | 1 | 22.16 | 22.28 | 22.08 | 23.0 | 0.0 |
| 100 | PI/2 BPSK | 1 | 137 | 22.12 | 22.25 | 22.01 | | |
| 100 | PI/2 BPSK | 1 | 271 | 21.31 | 21.91 | 21.69 | | |
| 100 | PI/2 BPSK | 135 | 0 | 21.70 | 21.73 | 21.62 | 22.5 | 0.5 |
| 100 | PI/2 BPSK | 135 | 69 | 22.00 | 22.12 | 21.91 | 23.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | 21.37 | 21.60 | 21.31 | 22.5 | 0.5 |
| 100 | PI/2 BPSK | 270 | 0 | 21.43 | 21.58 | 21.32 | | |
| 100 | QPSK | 1 | 1 | 22.04 | 22.12 | 21.96 | 23.0 | 0.0 |
| 100 | QPSK | 1 | 137 | 22.01 | 22.11 | 21.93 | | |
| 100 | QPSK | 1 | 271 | 21.26 | 21.82 | 21.63 | | |
| 100 | QPSK | 135 | 0 | 21.42 | 21.68 | 21.60 | 23.0 | 0.0 |
| 100 | QPSK | 135 | 69 | 21.71 | 22.00 | 22.02 | | |
| 100 | QPSK | 135 | 138 | 21.00 | 21.52 | 21.43 | | |
| 100 | QPSK | 270 | 0 | 20.92 | 21.12 | 21.13 | 22.0 | 1.0 |
| 100 | 16QAM | 1 | 1 | 21.01 | 21.16 | 20.96 | 22.0 | 1.0 |
| 100 | 64QAM | 1 | 1 | 19.68 | 19.66 | 19.52 | 20.5 | 2.5 |
| 100 | 256QAM | 1 | 1 | 19.19 | 19.18 | 19.03 | 19.5 | 3.5 |

## Par27Q n77_FCC_ANT 4(DSI2/DSI4)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | | 633334 | | | |
| Frequency (MHz) | | | | | 3500.01 | | | |
| 100 | PI/2 BPSK | 1 | 1 | | 21.92 | | 23.0 | 0.0 |
| 100 | PI/2 BPSK | 1 | 137 | | 22.19 | | | |
| 100 | PI/2 BPSK | 1 | 271 | | 22.30 | | | |
| 100 | PI/2 BPSK | 135 | 0 | | 21.92 | | 22.5 | 0.5 |
| 100 | PI/2 BPSK | 135 | 69 | | 22.21 | | 23.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | | 22.18 | | 22.5 | 0.5 |
| 100 | PI/2 BPSK | 270 | 0 | | 22.08 | | | |
| 100 | QPSK | 1 | 1 | | 21.64 | | 23.0 | 0.0 |
| 100 | QPSK | 1 | 137 | | 22.06 | | | |
| 100 | QPSK | 1 | 271 | | 22.26 | | | |
| 100 | QPSK | 135 | 0 | | 21.84 | | 23.0 | 0.0 |
| 100 | QPSK | 135 | 69 | | 22.11 | | | |
| 100 | QPSK | 135 | 138 | | 22.18 | | | |
| 100 | QPSK | 270 | 0 | | 22.13 | | 23.0 | 0.0 |
| 100 | 16QAM | 1 | 1 | | 21.67 | | 22.0 | 1.0 |
| 100 | 64QAM | 1 | 1 | | 20.86 | | 21.5 | 1.5 |
| 100 | 256QAM | 1 | 1 | | 19.31 | | 19.5 | 3.5 |

## n78_FCC_ANT 4(DSI2/DSI4)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | | 650000 | | | |
| Frequency (MHz) | | | | | 3750 | | | |
| 100 | PI/2 BPSK | 1 | 1 | | 22.29 | | 23.0 | 0.0 |
| 100 | PI/2 BPSK | 1 | 137 | | 22.06 | | | |
| 100 | PI/2 BPSK | 1 | 271 | | 21.48 | | | |
| 100 | PI/2 BPSK | 135 | 0 | | 22.06 | | 22.5 | 0.5 |
| 100 | PI/2 BPSK | 135 | 69 | | 22.03 | | 23.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | | 21.38 | | 22.5 | 0.5 |
| 100 | PI/2 BPSK | 270 | 0 | | 21.75 | | | |
| 100 | QPSK | 1 | 1 | | 22.23 | | 23.0 | 0.0 |
| 100 | QPSK | 1 | 137 | | 22.05 | | | |
| 100 | QPSK | 1 | 271 | | 21.37 | | | |
| 100 | QPSK | 135 | 0 | | 22.03 | | 23.0 | 0.0 |
| 100 | QPSK | 135 | 69 | | 22.01 | | | |
| 100 | QPSK | 135 | 138 | | 21.29 | | | |
| 100 | QPSK | 270 | 0 | | 21.25 | | 22.0 | 1.0 |
| 100 | 16QAM | 1 | 1 | | 19.82 | | 22.0 | 1.0 |
| 100 | 64QAM | 1 | 1 | | 20.16 | | 20.5 | 2.5 |
| 100 | 256QAM | 1 | 1 | | 18.42 | | 19.5 | 3.5 |
| Channel | | | | 649668 | 650000 | 650334 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3745.02 | 3750 | 3755.01 | | |
| 90 | PI/2 BPSK | 1 | 1 | 22.08 | 22.11 | 22.06 | 23.0 | 0.0 |
| Channel | | | | 649334 | 650000 | 650668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3740.01 | 3750 | 3760.02 | | |
| 80 | PI/2 BPSK | 1 | 1 | 22.03 | 22.05 | 22.00 | 23.0 | 0.0 |
| Channel | | | | 648668 | 650000 | 651334 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3730.02 | 3750 | 3770.01 | | |
| 60 | PI/2 BPSK | 1 | 1 | 22.05 | 22.07 | 22.02 | 23.0 | 0.0 |
| Channel | | | | 648334 | 650000 | 651668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3725.01 | 3750 | 3775.02 | | |
| 50 | PI/2 BPSK | 1 | 1 | 22.00 | 22.04 | 22.02 | 23.0 | 0.0 |
| Channel | | | | 648000 | 650000 | 652000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3720 | 3750 | 3780 | | |
| 40 | PI/2 BPSK | 1 | 1 | 22.19 | 22.21 | 22.14 | 23.0 | 0.0 |
| Channel | | | | 647334 | 650000 | 652668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3710.01 | 3750 | 3790.02 | | |
| 20 | PI/2 BPSK | 1 | 1 | 22.09 | 22.12 | 22.05 | 23.0 | 0.0 |

## Part27Q n78_FCC_ANT 4(DSI2/DSI4)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | | 633334 | | | |
| Frequency (MHz) | | | | | 3500.01 | | | |
| 100 | PI/2 BPSK | 1 | 1 | | 21.96 | | 23.0 | 0.0 |
| 100 | PI/2 BPSK | 1 | 137 | | 22.31 | | | |
| 100 | PI/2 BPSK | 1 | 271 | | 22.39 | | | |
| 100 | PI/2 BPSK | 135 | 0 | | 22.18 | | 22.5 | 0.5 |
| 100 | PI/2 BPSK | 135 | 69 | | 22.17 | | 23.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | | 22.06 | | 22.5 | 0.5 |
| 100 | PI/2 BPSK | 270 | 0 | | 22.09 | | | |
| 100 | QPSK | 1 | 1 | | 21.93 | | 23.0 | 0.0 |
| 100 | QPSK | 1 | 137 | | 22.26 | | | |
| 100 | QPSK | 1 | 271 | | 22.33 | | | |
| 100 | QPSK | 135 | 0 | | 21.90 | | 23.0 | 0.0 |
| 100 | QPSK | 135 | 69 | | 22.13 | | | |
| 100 | QPSK | 135 | 138 | | 22.30 | | | |
| 100 | QPSK | 270 | 0 | | 22.21 | | 23.0 | 0.0 |
| 100 | 16QAM | 1 | 1 | | 21.66 | | 22.0 | 1.0 |
| 100 | 64QAM | 1 | 1 | | 20.52 | | 21.0 | 2.0 |
| 100 | 256QAM | 1 | 1 | | 19.51 | | 20.0 | 3.0 |
| Channel | | | | 633000 | 633334 | 633666 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3495 | 3500.01 | 3504.99 | | |
| 90 | PI/2 BPSK | 1 | 1 | 21.92 | 21.96 | 21.95 | 23.0 | 0.0 |
| Channel | | | | 632668 | 633334 | 634000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 | | |
| 80 | PI/2 BPSK | 1 | 1 | 21.86 | 21.89 | 21.82 | 23.0 | 0.0 |
| Channel | | | | 632000 | 633334 | 634666 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3519.99 | | |
| 60 | PI/2 BPSK | 1 | 1 | 21.79 | 21.87 | 21.98 | 23.0 | 0.0 |
| Channel | | | | 631668 | 633334 | 635000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3475.02 | 3500.01 | 3525 | | |
| 50 | PI/2 BPSK | 1 | 1 | 21.97 | 22.03 | 22.12 | 23.0 | 0.0 |
| Channel | | | | 631334 | 633334 | 635332 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3529.98 | | |
| 40 | PI/2 BPSK | 1 | 1 | 22.12 | 22.23 | 22.26 | 23.0 | 0.0 |
| Channel | | | | 630668 | 633334 | 636000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3460.02 | 3500.01 | 3540 | | |
| 20 | PI/2 BPSK | 1 | 1 | 22.12 | 22.19 | 22.08 | 23.0 | 0.0 |

## Reduced Power Mode for 5G NR

### n5_ANT 2(DSI2)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 166800 | 167300 | 167800 | | |
| Frequency (MHz) | | | | 834 | 836.5 | 839 | | |
| 20 | PI/2 BPSK | 1 | 1 | 18.05 | 18.08 | 17.99 | 19.0 | 0.0 |
| 20 | PI/2 BPSK | 1 | 53 | 18.02 | 18.06 | 17.98 | | |
| 20 | PI/2 BPSK | 1 | 104 | 18.05 | 18.07 | 18.03 | | |
| 20 | PI/2 BPSK | 50 | 0 | 18.03 | 18.05 | 17.98 | 19.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 28 | 18.04 | 18.07 | 17.92 | 19.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 56 | 18.01 | 18.04 | 17.97 | 19.0 | 0.0 |
| 20 | PI/2 BPSK | 100 | 0 | 18.05 | 18.06 | 17.97 | | |
| 20 | QPSK | 1 | 1 | 18.08 | 18.05 | 18.04 | 19.0 | 0.0 |
| 20 | QPSK | 1 | 53 | 18.02 | 18.03 | 17.99 | | |
| 20 | QPSK | 1 | 104 | 18.03 | 18.05 | 18.01 | | |
| 20 | QPSK | 50 | 0 | 18.04 | 17.95 | 18.06 | 19.0 | 0.0 |
| 20 | QPSK | 50 | 28 | 18.05 | 18.03 | 18.04 | 19.0 | 0.0 |
| 20 | QPSK | 50 | 56 | 17.99 | 17.99 | 18.05 | 19.0 | 0.0 |
| 20 | QPSK | 100 | 0 | 18.03 | 18.03 | 18.02 | | |
| 20 | 16QAM | 1 | 1 | 18.03 | 17.98 | 18.01 | 19.0 | 0.0 |
| 20 | 64QAM | 1 | 1 | 18.04 | 18.00 | 17.95 | 19.0 | 0.0 |
| 20 | 256QAM | 1 | 1 | 17.98 | 17.99 | 17.94 | 19.0 | 0.0 |
| Channel | | | | 166300 | 167300 | 168300 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 831.5 | 836.5 | 841.5 | | |
| 15 | PI/2 BPSK | 1 | 1 | 18.03 | 18.04 | 17.93 | 19.0 | 0.0 |
| Channel | | | | 165800 | 167300 | 168800 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 829 | 836.5 | 844 | | |
| 10 | PI/2 BPSK | 1 | 1 | 18.01 | 18.06 | 17.94 | 19.0 | 0.0 |
| Channel | | | | 165300 | 167300 | 169300 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 826.5 | 836.5 | 846.5 | | |
| 5 | PI/2 BPSK | 1 | 1 | 17.94 | 18.07 | 17.89 | 19.0 | 0.0 |

### n7_ANT 2(DSI2)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 502000 | 507000 | 512000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | PI/2 BPSK | 1 | 1 | 13.64 | 13.71 | 13.74 | 14.5 | 0.0 |
| 20 | PI/2 BPSK | 1 | 53 | 13.49 | 13.58 | 13.75 | | |
| 20 | PI/2 BPSK | 1 | 104 | 13.55 | 13.64 | 13.71 | | |
| 20 | PI/2 BPSK | 50 | 0 | 13.54 | 13.61 | 13.67 | 14.5 | 0.0 |
| 20 | PI/2 BPSK | 50 | 28 | 13.55 | 13.58 | 13.68 | 14.5 | 0.0 |
| 20 | PI/2 BPSK | 50 | 56 | 13.56 | 13.59 | 13.67 | 14.5 | 0.0 |
| 20 | PI/2 BPSK | 100 | 0 | 13.60 | 13.62 | 13.67 | | |
| 20 | QPSK | 1 | 1 | 13.69 | 13.71 | 13.70 | 14.5 | 0.0 |
| 20 | QPSK | 1 | 53 | 13.60 | 13.68 | 13.72 | | |
| 20 | QPSK | 1 | 104 | 13.62 | 13.68 | 13.72 | | |
| 20 | QPSK | 50 | 0 | 13.61 | 13.68 | 13.70 | 14.5 | 0.0 |
| 20 | QPSK | 50 | 28 | 13.58 | 13.66 | 13.74 | 14.5 | 0.0 |
| 20 | QPSK | 50 | 56 | 13.65 | 13.67 | 13.69 | 14.5 | 0.0 |
| 20 | QPSK | 100 | 0 | 13.58 | 13.67 | 13.71 | | |
| 20 | 16QAM | 1 | 1 | 13.56 | 13.62 | 13.70 | 14.5 | 0.0 |
| 20 | 64QAM | 1 | 1 | 13.41 | 13.48 | 13.56 | 14.5 | 0.0 |
| 20 | 256QAM | 1 | 1 | 13.44 | 13.46 | 13.54 | 14.5 | 0.0 |
| Channel | | | | 501500 | 507000 | 512500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | PI/2 BPSK | 1 | 1 | 13.57 | 13.58 | 13.60 | 14.5 | 0.0 |
| Channel | | | | 501000 | 507000 | 513000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | PI/2 BPSK | 1 | 1 | 13.62 | 13.61 | 13.54 | 14.5 | 0.0 |
| Channel | | | | 500500 | 507000 | 513500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | PI/2 BPSK | 1 | 1 | 13.46 | 13.47 | 13.59 | 14.5 | 0.0 |

### n66_ANT 2(DSI2)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 344000 | 349000 | 354000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| 20 | PI/2 BPSK | 1 | 1 | 11.93 | 11.96 | 11.90 | 13.0 | 0.0 |
| 20 | PI/2 BPSK | 1 | 53 | 11.74 | 11.97 | 11.69 | | |
| 20 | PI/2 BPSK | 1 | 104 | 11.66 | 11.75 | 11.62 | | |
| 20 | PI/2 BPSK | 50 | 0 | 11.82 | 11.89 | 11.80 | 13.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 28 | 11.78 | 11.90 | 11.70 | 13.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 56 | 11.69 | 11.77 | 11.63 | 13.0 | 0.0 |
| 20 | PI/2 BPSK | 100 | 0 | 11.78 | 11.83 | 11.74 | | |
| 20 | QPSK | 1 | 1 | 11.82 | 11.80 | 11.82 | 13.0 | 0.0 |
| 20 | QPSK | 1 | 53 | 11.77 | 11.79 | 11.71 | | |
| 20 | QPSK | 1 | 104 | 11.74 | 11.81 | 11.69 | | |
| 20 | QPSK | 50 | 0 | 11.84 | 11.88 | 11.81 | 13.0 | 0.0 |
| 20 | QPSK | 50 | 28 | 11.79 | 11.84 | 11.75 | 13.0 | 0.0 |
| 20 | QPSK | 50 | 56 | 11.79 | 11.81 | 11.71 | 13.0 | 0.0 |
| 20 | QPSK | 100 | 0 | 11.73 | 11.82 | 11.68 | | |
| 20 | 16QAM | 1 | 1 | 11.88 | 11.90 | 11.80 | 13.0 | 0.0 |
| 20 | 64QAM | 1 | 1 | 11.64 | 11.66 | 11.61 | 13.0 | 0.0 |
| 20 | 256QAM | 1 | 1 | 11.85 | 11.92 | 11.82 | 13.0 | 0.0 |
| Channel | | | | 343500 | 349000 | 354500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| 15 | PI/2 BPSK | 1 | 1 | 11.81 | 11.92 | 11.95 | 13.0 | 0.0 |
| Channel | | | | 343000 | 349000 | 355000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | PI/2 BPSK | 1 | 1 | 11.89 | 11.93 | 11.85 | 13.0 | 0.0 |
| Channel | | | | 342500 | 349000 | 355500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | PI/2 BPSK | 1 | 1 | 11.86 | 11.83 | 11.77 | 13.0 | 0.0 |

## n7_ANT 2(DSI3/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 502000 | 507000 | 512000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | PI/2 BPSK | 1 | 1 | 15.21 | 15.24 | 15.32 | 16.0 | 0.0 |
| 20 | PI/2 BPSK | 1 | 53 | 15.09 | 15.16 | 15.35 | | |
| 20 | PI/2 BPSK | 1 | 104 | 15.15 | 15.23 | 15.27 | | |
| 20 | PI/2 BPSK | 50 | 0 | 15.05 | 15.13 | 15.19 | 16.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 28 | 15.08 | 15.17 | 15.21 | 16.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 56 | 15.04 | 15.11 | 15.14 | 16.0 | 0.0 |
| 20 | PI/2 BPSK | 100 | 0 | 15.08 | 15.13 | 15.18 | | |
| 20 | QPSK | 1 | 1 | 15.11 | 15.18 | 15.21 | 16.0 | 0.0 |
| 20 | QPSK | 1 | 53 | 15.04 | 15.06 | 15.12 | | |
| 20 | QPSK | 1 | 104 | 15.10 | 15.12 | 15.20 | | |
| 20 | QPSK | 50 | 0 | 15.13 | 15.18 | 15.21 | 16.0 | 0.0 |
| 20 | QPSK | 50 | 28 | 15.14 | 15.17 | 15.19 | 16.0 | 0.0 |
| 20 | QPSK | 50 | 56 | 15.08 | 15.11 | 15.17 | 16.0 | 0.0 |
| 20 | QPSK | 100 | 0 | 15.03 | 15.08 | 15.17 | | |
| 20 | 16QAM | 1 | 1 | 15.30 | 15.34 | 15.22 | 16.0 | 0.0 |
| 20 | 64QAM | 1 | 1 | 15.16 | 15.20 | 15.24 | 16.0 | 0.0 |
| 20 | 256QAM | 1 | 1 | 14.90 | 15.04 | 15.12 | 16.0 | 0.0 |
| Channel | | | | 501500 | 507000 | 512500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | PI/2 BPSK | 1 | 1 | 15.01 | 15.01 | 15.10 | 16.0 | 0.0 |
| Channel | | | | 501000 | 507000 | 513000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | PI/2 BPSK | 1 | 1 | 14.92 | 14.95 | 15.02 | 16.0 | 0.0 |
| Channel | | | | 500500 | 507000 | 513500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | PI/2 BPSK | 1 | 1 | 14.93 | 14.97 | 15.06 | 16.0 | 0.0 |

## n66_ANT 2(DSI3/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 344000 | 349000 | 354000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| 20 | PI/2 BPSK | 1 | 1 | 14.07 | 14.10 | 14.04 | 15.0 | 0.0 |
| 20 | PI/2 BPSK | 1 | 53 | 13.86 | 14.11 | 13.83 | | |
| 20 | PI/2 BPSK | 1 | 104 | 13.82 | 13.89 | 13.76 | | |
| 20 | PI/2 BPSK | 50 | 0 | 13.87 | 13.95 | 13.80 | 15.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 28 | 13.84 | 13.96 | 13.78 | 15.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 56 | 13.83 | 13.85 | 13.80 | 15.0 | 0.0 |
| 20 | PI/2 BPSK | 100 | 0 | 13.88 | 13.91 | 13.82 | | |
| 20 | QPSK | 1 | 1 | 14.06 | 14.09 | 13.99 | 15.0 | 0.0 |
| 20 | QPSK | 1 | 53 | 13.82 | 13.90 | 13.80 | | |
| 20 | QPSK | 1 | 104 | 13.83 | 13.90 | 13.76 | | |
| 20 | QPSK | 50 | 0 | 13.93 | 13.95 | 13.87 | 15.0 | 0.0 |
| 20 | QPSK | 50 | 28 | 13.79 | 13.88 | 13.72 | 15.0 | 0.0 |
| 20 | QPSK | 50 | 56 | 13.82 | 13.84 | 13.78 | 15.0 | 0.0 |
| 20 | QPSK | 100 | 0 | 13.88 | 13.92 | 13.80 | | |
| 20 | 16QAM | 1 | 1 | 14.05 | 14.08 | 14.03 | 15.0 | 0.0 |
| 20 | 64QAM | 1 | 1 | 13.90 | 13.94 | 13.86 | 15.0 | 0.0 |
| 20 | 256QAM | 1 | 1 | 13.96 | 14.04 | 13.94 | 15.0 | 0.0 |
| Channel | | | | 343500 | 349000 | 354500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| 15 | PI/2 BPSK | 1 | 1 | 13.79 | 13.85 | 13.78 | 15.0 | 0.0 |
| Channel | | | | 343000 | 349000 | 355000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | PI/2 BPSK | 1 | 1 | 13.73 | 13.77 | 13.73 | 15.0 | 0.0 |
| Channel | | | | 342500 | 349000 | 355500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | PI/2 BPSK | 1 | 1 | 13.74 | 13.82 | 13.70 | 15.0 | 0.0 |

## n77_FCC_ANT 4(DSI3/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 650000 | 656000 | 662000 | | |
| Frequency (MHz) | | | | 3750 | 3840 | 3930 | | |
| 100 | PI/2 BPSK | 1 | 1 | 10.42 | 10.54 | 10.44 | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 1 | 137 | 10.26 | 10.32 | 10.19 | | |
| 100 | PI/2 BPSK | 1 | 271 | 10.44 | 10.53 | 10.39 | | |
| 100 | PI/2 BPSK | 135 | 0 | 10.08 | 10.11 | 10.10 | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 135 | 69 | 10.48 | 10.51 | 10.39 | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | 10.38 | 10.43 | 10.33 | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 270 | 0 | 10.33 | 10.36 | 10.29 | | |
| 100 | QPSK | 1 | 1 | 10.22 | 10.38 | 10.37 | 11.5 | 0.0 |
| 100 | QPSK | 1 | 137 | 10.25 | 10.30 | 10.21 | | |
| 100 | QPSK | 1 | 271 | 10.47 | 10.49 | 10.35 | | |
| 100 | QPSK | 135 | 0 | 10.04 | 10.11 | 9.96 | 11.5 | 0.0 |
| 100 | QPSK | 135 | 69 | 10.30 | 10.35 | 10.22 | | |
| 100 | QPSK | 135 | 138 | 10.44 | 10.51 | 10.39 | | |
| 100 | QPSK | 270 | 0 | 10.28 | 10.37 | 10.25 | 11.5 | 0.0 |
| 100 | 16QAM | 1 | 1 | 10.01 | 10.04 | 9.98 | 11.5 | 0.0 |
| 100 | 64QAM | 1 | 1 | 10.23 | 10.24 | 10.30 | 11.5 | 0.0 |
| 100 | 256QAM | 1 | 1 | 10.39 | 10.38 | 10.34 | 11.5 | 0.0 |

## Par27Q n77_FCC_ANT 4(DSI3/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | | 633334 | | | |
| Frequency (MHz) | | | | | 3500.01 | | | |
| 100 | PI/2 BPSK | 1 | 1 | | 9.98 | | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 1 | 137 | | 10.28 | | | |
| 100 | PI/2 BPSK | 1 | 271 | | 10.44 | | | |
| 100 | PI/2 BPSK | 135 | 0 | | 10.05 | | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 135 | 69 | | 10.42 | | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | | 10.41 | | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 270 | 0 | | 10.29 | | | |
| 100 | QPSK | 1 | 1 | | 9.98 | | 11.5 | 0.0 |
| 100 | QPSK | 1 | 137 | | 10.26 | | | |
| 100 | QPSK | 1 | 271 | | 10.43 | | | |
| 100 | QPSK | 135 | 0 | | 10.05 | | 11.5 | 0.0 |
| 100 | QPSK | 135 | 69 | | 10.27 | | | |
| 100 | QPSK | 135 | 138 | | 10.43 | | | |
| 100 | QPSK | 270 | 0 | | 10.28 | | 11.5 | 0.0 |
| 100 | 16QAM | 1 | 1 | | 9.98 | | 11.5 | 0.0 |
| 100 | 64QAM | 1 | 1 | | 9.83 | | 11.5 | 0.0 |
| 100 | 256QAM | 1 | 1 | | 9.76 | | 11.5 | 0.0 |

## n78_FCC_ANT 4(DSI3/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | | 650000 | | | |
| Frequency (MHz) | | | | | 3750 | | | |
| 100 | PI/2 BPSK | 1 | 1 | | 10.49 | | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 1 | 137 | | 10.27 | | | |
| 100 | PI/2 BPSK | 1 | 271 | | 10.48 | | | |
| 100 | PI/2 BPSK | 135 | 0 | | 10.45 | | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 135 | 69 | | 10.42 | | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | | 10.38 | | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 270 | 0 | | 10.28 | | | |
| 100 | QPSK | 1 | 1 | | 10.30 | | 11.5 | 0.0 |
| 100 | QPSK | 1 | 137 | | 10.22 | | | |
| 100 | QPSK | 1 | 271 | | 10.47 | | | |
| 100 | QPSK | 135 | 0 | | 10.07 | | 11.5 | 0.0 |
| 100 | QPSK | 135 | 69 | | 10.26 | | | |
| 100 | QPSK | 135 | 138 | | 10.47 | | | |
| 100 | QPSK | 270 | 0 | | 10.28 | | 11.5 | 0.0 |
| 100 | 16QAM | 1 | 1 | | 10.01 | | 11.5 | 0.0 |
| 100 | 64QAM | 1 | 1 | | 10.21 | | 11.5 | 1.0 |
| 100 | 256QAM | 1 | 1 | | 10.31 | | 11.5 | 2.0 |
| Channel | | | | 649668 | 650000 | 650334 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3745.02 | 3750 | 3755.01 | | |
| 90 | PI/2 BPSK | 1 | 1 | 10.23 | 10.31 | 10.20 | 11.5 | 0.0 |
| Channel | | | | 649334 | 650000 | 650668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3740.01 | 3750 | 3760.02 | | |
| 80 | PI/2 BPSK | 1 | 1 | 10.44 | 10.25 | 10.35 | 11.5 | 0.0 |
| Channel | | | | 648668 | 650000 | 651334 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3730.02 | 3750 | 3770.01 | | |
| 60 | PI/2 BPSK | 1 | 1 | 10.40 | 10.38 | 10.29 | 11.5 | 0.0 |
| Channel | | | | 648334 | 650000 | 651668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3725.01 | 3750 | 3775.02 | | |
| 50 | PI/2 BPSK | 1 | 1 | 10.38 | 10.44 | 10.31 | 11.5 | 0.0 |
| Channel | | | | 648000 | 650000 | 652000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3720 | 3750 | 3780 | | |
| 40 | PI/2 BPSK | 1 | 1 | 10.29 | 10.34 | 10.31 | 11.5 | 0.0 |
| Channel | | | | 647334 | 650000 | 652668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3710.01 | 3750 | 3790.02 | | |
| 20 | PI/2 BPSK | 1 | 1 | 10.25 | 10.29 | 10.33 | 11.5 | 0.0 |

## Part27Q n78_FCC_ANT 4(DSI3/DSI7)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | | 633334 | | | |
| Frequency (MHz) | | | | | 3500.01 | | | |
| 100 | PI/2 BPSK | 1 | 1 | | 9.96 | | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 1 | 137 | | 10.34 | | | |
| 100 | PI/2 BPSK | 1 | 271 | | 10.57 | | | |
| 100 | PI/2 BPSK | 135 | 0 | | 10.51 | | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 135 | 69 | | 10.33 | | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | | 10.50 | | 11.5 | 0.0 |
| 100 | PI/2 BPSK | 270 | 0 | | 10.31 | | | |
| 100 | QPSK | 1 | 1 | | 9.98 | | 11.5 | 0.0 |
| 100 | QPSK | 1 | 137 | | 10.31 | | | |
| 100 | QPSK | 1 | 271 | | 10.56 | | | |
| 100 | QPSK | 135 | 0 | | 10.09 | | 11.5 | 0.0 |
| 100 | QPSK | 135 | 69 | | 10.37 | | | |
| 100 | QPSK | 135 | 138 | | 10.45 | | | |
| 100 | QPSK | 270 | 0 | | 10.35 | | 11.5 | 0.0 |
| 100 | 16QAM | 1 | 1 | | 9.98 | | 11.5 | 0.0 |
| 100 | 64QAM | 1 | 1 | | 9.88 | | 11.5 | 0.0 |
| 100 | 256QAM | 1 | 1 | | 9.81 | | 11.5 | 0.0 |
| Channel | | | | 633000 | 633334 | 633666 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3495 | 3500.01 | 3504.99 | | |
| 90 | PI/2 BPSK | 1 | 1 | 10.00 | 10.11 | 10.09 | 11.5 | 0.0 |
| Channel | | | | 632668 | 633334 | 634000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 | | |
| 80 | PI/2 BPSK | 1 | 1 | 9.99 | 10.15 | 10.14 | 11.5 | 0.0 |
| Channel | | | | 632000 | 633334 | 634666 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3519.99 | | |
| 60 | PI/2 BPSK | 1 | 1 | 10.08 | 10.13 | 10.15 | 11.5 | 0.0 |
| Channel | | | | 631668 | 633334 | 635000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3475.02 | 3500.01 | 3525 | | |
| 50 | PI/2 BPSK | 1 | 1 | 10.15 | 10.09 | 10.13 | 11.5 | 0.0 |
| Channel | | | | 631334 | 633334 | 635332 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3529.98 | | |
| 40 | PI/2 BPSK | 1 | 1 | 9.88 | 9.98 | 10.09 | 11.5 | 0.0 |
| Channel | | | | 630668 | 633334 | 636000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3460.02 | 3500.01 | 3540 | | |
| 20 | PI/2 BPSK | 1 | 1 | 10.03 | 10.09 | 9.97 | 11.5 | 0.0 |

## n7_ANT 2(DSI6)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 502000 | 507000 | 512000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2510 | 2535 | 2560 | | |
| 20 | PI/2 BPSK | 1 | 1 | 18.00 | 18.07 | 18.12 | 19.0 | 0.0 |
| 20 | PI/2 BPSK | 1 | 53 | 18.01 | 18.09 | 18.26 | | |
| 20 | PI/2 BPSK | 1 | 104 | 17.93 | 17.97 | 18.00 | | |
| 20 | PI/2 BPSK | 50 | 0 | 17.87 | 17.93 | 17.96 | 19.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 28 | 17.99 | 18.00 | 18.01 | 19.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 56 | 17.85 | 17.87 | 17.95 | 19.0 | 0.0 |
| 20 | PI/2 BPSK | 100 | 0 | 17.86 | 17.88 | 17.96 | | |
| 20 | QPSK | 1 | 1 | 18.00 | 18.02 | 18.06 | 19.0 | 0.0 |
| 20 | QPSK | 1 | 53 | 17.92 | 17.98 | 18.04 | | |
| 20 | QPSK | 1 | 104 | 17.80 | 17.89 | 17.98 | | |
| 20 | QPSK | 50 | 0 | 17.87 | 17.95 | 18.02 | 19.0 | 0.0 |
| 20 | QPSK | 50 | 28 | 17.93 | 17.98 | 18.01 | 19.0 | 0.0 |
| 20 | QPSK | 50 | 56 | 17.82 | 17.91 | 17.97 | 19.0 | 0.0 |
| 20 | QPSK | 100 | 0 | 17.89 | 17.95 | 17.99 | | |
| 20 | 16QAM | 1 | 1 | 18.16 | 18.19 | 18.25 | 19.0 | 0.0 |
| 20 | 64QAM | 1 | 1 | 17.97 | 18.02 | 18.05 | 19.0 | 0.0 |
| 20 | 256QAM | 1 | 1 | 17.35 | 17.38 | 17.42 | 18.0 | 1.0 |
| Channel | | | | 501500 | 507000 | 512500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2507.5 | 2535 | 2562.5 | | |
| 15 | PI/2 BPSK | 1 | 1 | 17.71 | 17.80 | 17.91 | 19.0 | 0.0 |
| Channel | | | | 501000 | 507000 | 513000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2505 | 2535 | 2565 | | |
| 10 | PI/2 BPSK | 1 | 1 | 17.62 | 17.74 | 17.82 | 19.0 | 0.0 |
| Channel | | | | 500500 | 507000 | 513500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 2502.5 | 2535 | 2567.5 | | |
| 5 | PI/2 BPSK | 1 | 1 | 17.71 | 17.71 | 17.82 | 19.0 | 0.0 |

## n66_ANT 2(DSI6)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 344000 | 349000 | 354000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1720 | 1745 | 1770 | | |
| 20 | PI/2 BPSK | 1 | 1 | 18.83 | 18.95 | 18.74 | 20.0 | 0.0 |
| 20 | PI/2 BPSK | 1 | 53 | 18.76 | 18.96 | 18.71 | | |
| 20 | PI/2 BPSK | 1 | 104 | 18.80 | 18.89 | 18.70 | | |
| 20 | PI/2 BPSK | 50 | 0 | 18.85 | 18.92 | 18.80 | 20.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 28 | 18.74 | 18.95 | 18.66 | 20.0 | 0.0 |
| 20 | PI/2 BPSK | 50 | 56 | 18.72 | 18.81 | 18.62 | 20.0 | 0.0 |
| 20 | PI/2 BPSK | 100 | 0 | 18.77 | 18.83 | 18.66 | | |
| 20 | QPSK | 1 | 1 | 18.88 | 18.91 | 18.74 | 20.0 | 0.0 |
| 20 | QPSK | 1 | 53 | 18.81 | 18.89 | 18.79 | | |
| 20 | QPSK | 1 | 104 | 18.79 | 18.92 | 18.74 | | |
| 20 | QPSK | 50 | 0 | 18.79 | 18.88 | 18.72 | 20.0 | 0.0 |
| 20 | QPSK | 50 | 28 | 18.73 | 18.84 | 18.61 | 20.0 | 0.0 |
| 20 | QPSK | 50 | 56 | 18.72 | 18.82 | 18.65 | 20.0 | 0.0 |
| 20 | QPSK | 100 | 0 | 18.70 | 18.82 | 18.63 | | |
| 20 | 16QAM | 1 | 1 | 18.85 | 18.75 | 18.77 | 20.0 | 0.0 |
| 20 | 64QAM | 1 | 1 | 18.66 | 18.79 | 18.63 | 20.0 | 0.0 |
| 20 | 256QAM | 1 | 1 | 17.49 | 17.53 | 17.40 | 19.0 | 1.0 |
| Channel | | | | 343500 | 349000 | 354500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1717.5 | 1745 | 1772.5 | | |
| 15 | PI/2 BPSK | 1 | 1 | 18.62 | 18.70 | 18.65 | 20.0 | 0.0 |
| Channel | | | | 343000 | 349000 | 355000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1715 | 1745 | 1775 | | |
| 10 | PI/2 BPSK | 1 | 1 | 18.72 | 18.80 | 18.72 | 20.0 | 0.0 |
| Channel | | | | 342500 | 349000 | 355500 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 1712.5 | 1745 | 1777.5 | | |
| 5 | PI/2 BPSK | 1 | 1 | 18.67 | 18.78 | 18.68 | 20.0 | 0.0 |

## n77_FCC_ANT 4(DSI6)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | 650000 | 656000 | 662000 | | |
| Frequency (MHz) | | | | 3750 | 3840 | 3930 | | |
| 100 | PI/2 BPSK | 1 | 1 | 15.81 | 15.99 | 15.87 | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 1 | 137 | 15.68 | 15.77 | 15.59 | | |
| 100 | PI/2 BPSK | 1 | 271 | 15.80 | 15.98 | 15.81 | | |
| 100 | PI/2 BPSK | 135 | 0 | 15.50 | 15.56 | 15.53 | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 69 | 15.89 | 15.96 | 15.82 | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | 15.77 | 15.88 | 15.73 | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 270 | 0 | 15.74 | 15.81 | 15.72 | | |
| 100 | QPSK | 1 | 1 | 15.58 | 15.83 | 15.77 | 17.0 | 0.0 |
| 100 | QPSK | 1 | 137 | 15.62 | 15.75 | 15.64 | | |
| 100 | QPSK | 1 | 271 | 15.89 | 15.94 | 15.72 | | |
| 100 | QPSK | 135 | 0 | 15.45 | 15.56 | 15.38 | 17.0 | 0.0 |
| 100 | QPSK | 135 | 69 | 15.70 | 15.80 | 15.60 | | |
| 100 | QPSK | 135 | 138 | 15.86 | 15.96 | 15.82 | | |
| 100 | QPSK | 270 | 0 | 15.65 | 15.82 | 15.67 | 17.0 | 0.0 |
| 100 | 16QAM | 1 | 1 | 15.40 | 15.49 | 15.40 | 17.0 | 0.0 |
| 100 | 64QAM | 1 | 1 | 15.59 | 15.69 | 15.69 | 17.0 | 0.0 |
| 100 | 256QAM | 1 | 1 | 15.75 | 15.83 | 15.76 | 17.0 | 0.0 |

## Par27Q n77_FCC_ANT 4(DSI6)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | | 633334 | | | |
| Frequency (MHz) | | | | | 3500.01 | | | |
| 100 | PI/2 BPSK | 1 | 1 | | 15.43 | | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 1 | 137 | | 15.73 | | | |
| 100 | PI/2 BPSK | 1 | 271 | | 15.89 | | | |
| 100 | PI/2 BPSK | 135 | 0 | | 15.50 | | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 69 | | 15.87 | | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | | 15.86 | | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 270 | 0 | | 15.74 | | | |
| 100 | QPSK | 1 | 1 | | 15.37 | | 17.0 | 0.0 |
| 100 | QPSK | 1 | 137 | | 15.63 | | | |
| 100 | QPSK | 1 | 271 | | 15.82 | | | |
| 100 | QPSK | 135 | 0 | | 15.41 | | 17.0 | 0.0 |
| 100 | QPSK | 135 | 69 | | 15.64 | | | |
| 100 | QPSK | 135 | 138 | | 15.79 | | | |
| 100 | QPSK | 270 | 0 | | 15.73 | | 17.0 | 0.0 |
| 100 | 16QAM | 1 | 1 | | 15.43 | | 17.0 | 0.0 |
| 100 | 64QAM | 1 | 1 | | 15.28 | | 17.0 | 0.0 |
| 100 | 256QAM | 1 | 1 | | 15.21 | | 17.0 | 0.0 |

## n78_FCC_ANT 4(DSI6)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | | 650000 | | | |
| Frequency (MHz) | | | | | 3750 | | | |
| 100 | PI/2 BPSK | 1 | 1 | | 16.31 | | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 1 | 137 | | 16.09 | | | |
| 100 | PI/2 BPSK | 1 | 271 | | 16.30 | | | |
| 100 | PI/2 BPSK | 135 | 0 | | 16.27 | | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 69 | | 16.24 | | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | | 16.20 | | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 270 | 0 | | 16.10 | | | |
| 100 | QPSK | 1 | 1 | | 16.12 | | 17.0 | 0.0 |
| 100 | QPSK | 1 | 137 | | 16.04 | | | |
| 100 | QPSK | 1 | 271 | | 16.29 | | | |
| 100 | QPSK | 135 | 0 | | 15.89 | | 17.0 | 0.0 |
| 100 | QPSK | 135 | 69 | | 16.08 | | | |
| 100 | QPSK | 135 | 138 | | 16.29 | | | |
| 100 | QPSK | 270 | 0 | | 16.10 | | 17.0 | 0.0 |
| 100 | 16QAM | 1 | 1 | | 15.83 | | 17.0 | 0.0 |
| 100 | 64QAM | 1 | 1 | | 16.03 | | 17.0 | 0.0 |
| 100 | 256QAM | 1 | 1 | | 16.13 | | 17.0 | 0.0 |
| Channel | | | | 649668 | 650000 | 650334 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3745.02 | 3750 | 3755.01 | | |
| 90 | PI/2 BPSK | 1 | 1 | 16.25 | 16.33 | 16.22 | 17.0 | 0.0 |
| Channel | | | | 649334 | 650000 | 650668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3740.01 | 3750 | 3760.02 | | |
| 80 | PI/2 BPSK | 1 | 1 | 16.46 | 16.27 | 16.33 | 17.0 | 0.0 |
| Channel | | | | 648668 | 650000 | 651334 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3730.02 | 3750 | 3770.01 | | |
| 60 | PI/2 BPSK | 1 | 1 | 16.42 | 16.40 | 16.31 | 17.0 | 0.0 |
| Channel | | | | 648334 | 650000 | 651668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3725.01 | 3750 | 3775.02 | | |
| 50 | PI/2 BPSK | 1 | 1 | 16.40 | 16.46 | 16.33 | 17.0 | 0.0 |
| Channel | | | | 648000 | 650000 | 652000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3720 | 3750 | 3780 | | |
| 40 | PI/2 BPSK | 1 | 1 | 16.31 | 16.36 | 16.33 | 17.0 | 0.0 |
| Channel | | | | 647334 | 650000 | 652668 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3710.01 | 3750 | 3790.02 | | |
| 20 | PI/2 BPSK | 1 | 1 | 16.27 | 16.31 | 16.35 | 17.0 | 0.0 |

## Part27Q n78_FCC_ANT 4(DSI6)

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | Tune-up limit (dBm) | MPR (dB) |
|---|---|---|---|---|---|---|---|---|
| Channel | | | | | 633334 | | | |
| Frequency (MHz) | | | | | 3500.01 | | | |
| 100 | PI/2 BPSK | 1 | 1 | | 15.78 | | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 1 | 137 | | 16.16 | | | |
| 100 | PI/2 BPSK | 1 | 271 | | 16.39 | | | |
| 100 | PI/2 BPSK | 135 | 0 | | 16.33 | | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 69 | | 16.15 | | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 135 | 138 | | 16.32 | | 17.0 | 0.0 |
| 100 | PI/2 BPSK | 270 | 0 | | 16.13 | | | |
| 100 | QPSK | 1 | 1 | | 15.80 | | 17.0 | 0.0 |
| 100 | QPSK | 1 | 137 | | 16.13 | | | |
| 100 | QPSK | 1 | 271 | | 16.38 | | | |
| 100 | QPSK | 135 | 0 | | 15.91 | | 17.0 | 0.0 |
| 100 | QPSK | 135 | 69 | | 16.19 | | | |
| 100 | QPSK | 135 | 138 | | 16.27 | | | |
| 100 | QPSK | 270 | 0 | | 16.17 | | 17.0 | 0.0 |
| 100 | 16QAM | 1 | 1 | | 15.80 | | 17.0 | 0.0 |
| 100 | 64QAM | 1 | 1 | | 15.70 | | 17.0 | 0.0 |
| 100 | 256QAM | 1 | 1 | | 15.63 | | 17.0 | 0.0 |
| Channel | | | | 633000 | 633334 | 633666 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3495 | 3500.01 | 3504.99 | | |
| 90 | PI/2 BPSK | 1 | 1 | 16.02 | 16.13 | 16.11 | 17.0 | 0.0 |
| Channel | | | | 632668 | 633334 | 634000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3490.02 | 3500.01 | 3510 | | |
| 80 | PI/2 BPSK | 1 | 1 | 16.01 | 16.17 | 16.16 | 17.0 | 0.0 |
| Channel | | | | 632000 | 633334 | 634666 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3480 | 3500.01 | 3519.99 | | |
| 60 | PI/2 BPSK | 1 | 1 | 16.10 | 16.15 | 16.17 | 17.0 | 0.0 |
| Channel | | | | 631668 | 633334 | 635000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3475.02 | 3500.01 | 3525 | | |
| 50 | PI/2 BPSK | 1 | 1 | 16.17 | 16.11 | 16.15 | 17.0 | 0.0 |
| Channel | | | | 631334 | 633334 | 635332 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3470.01 | 3500.01 | 3529.98 | | |
| 40 | PI/2 BPSK | 1 | 1 | 15.90 | 16.00 | 22.23 | 17.0 | 0.0 |
| Channel | | | | 630668 | 633334 | 636000 | Tune-up limit (dBm) | MPR (dB) |
| Frequency (MHz) | | | | 3460.02 | 3500.01 | 3540 | | |
| 20 | PI/2 BPSK | 1 | 1 | 16.05 | 16.11 | 15.99 | 17.0 | 0.0 |

## Conducted Power for WLAN/BT

### 2.4GHz WLAN ANT 3+6

| 2.4GHz WLAN ANT 3+6 | | | | Full Power | | At Head: Power table 1(Standalone) | | At Head: Power table 2 (Simultaneous WLAN+WWAN) | | At Head: Power table 3 (Simultaneous WLAN DBS+WWAN ) | | At Head: Power table 4 WLAN DBS | | Body Worn: Power Table 1 (Standalone) | | Body Worn: Power table 2 (Simultaneous WLAN+WWAN) Hotspot: Power table 1 (WLAN+WWAN) | | Body Worn: Power table 3 (Simultaneous WLAN DBS+WWAN) Hotspot: Power table 2 (WLAN DBS+WWAN) | | Body Worn: Power table 4 WLAN DBS) | | Handheld: Power Table 1 (Standalone) (Full power) | | Handheld: Power table 2 (Simultaneous WLAN+WWAN) | | Handheld: Power table 3 (Simultaneous WLAN DBS+WWAN ) | | Handheld: Power table 4 WLAN DBS | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 2.4GHz WLAN | 802.11b 1Mbps | 1 | 2412 | 21.67 | 23.00 | 18.67 | 20.00 | 14.07 | 15.50 | 12.61 | 14.00 | 18.67 | 20.00 | 20.09 | 21.50 | 15.11 | 16.50 | 10.19 | 11.00 | 18.65 | 20.00 | 21.67 | 23.00 | 19.90 | 21.00 | 13.12 | 14.50 | 21.67 | 23.00 | 98.29 |
| | | 6 | 2437 | 21.16 | 23.00 | 18.26 | 20.00 | 13.66 | 15.50 | 12.13 | 14.00 | 18.26 | 20.00 | 19.68 | 21.50 | 14.56 | 16.50 | 9.68 | 11.00 | 18.29 | 20.00 | 21.16 | 23.00 | 19.16 | 21.00 | 12.61 | 14.50 | 21.16 | 23.00 | |
| | | 11 | 2462 | 21.37 | 23.00 | 18.25 | 20.00 | 13.85 | 15.50 | 12.31 | 14.00 | 18.25 | 20.00 | 19.66 | 21.50 | 14.78 | 16.50 | 9.89 | 11.00 | 18.25 | 20.00 | 21.37 | 23.00 | 19.39 | 21.00 | 12.85 | 14.50 | 21.37 | 23.00 | |
| | 802.11g 6Mbps | 1 | 2412 | 20.97 | 22.50 | 18.00 | 20.00 | Not Required | 15.50 | Not Required | 14.00 | 18.00 | 20.00 | Not Required | 21.50 | Not Requinad | 16.50 | Not Required | 11.00 | Not Required | 20.00 | 20.97 | 22.50 | Not Required | 21.00 | Not Required | 14.50 | 20.97 | 22.50 | 99.05 |
| | | 6 | 2437 | 21.31 | 23.00 | 18.31 | 20.00 | | 15.50 | | 14.00 | 18.31 | 20.00 | | 21.50 | | 16.50 | | 11.00 | | 20.00 | 21.31 | 23.00 | | 21.00 | | 14.50 | 21.31 | 23.00 | |
| | | 11 | 2462 | 21.48 | 23.00 | 18.48 | 20.00 | | 15.50 | | 14.00 | 18.48 | 20.00 | | 21.50 | | 16.50 | | 11.00 | | 20.00 | 21.48 | 23.00 | | 21.00 | | 14.50 | 21.48 | 23.00 | |
| | 802.11n-HT20 MCS0 | 1 | 2412 | 20.82 | 22.50 | Not Required | 20.00 | | 15.50 | | 14.00 | Not Required | 20.00 | | 21.50 | | 16.50 | | 11.00 | | 20.00 | 20.82 | 22.50 | | 21.00 | | 14.50 | 20.82 | 22.50 | 100.00 |
| | | 6 | 2437 | 21.21 | 23.00 | | 20.00 | | 15.50 | | 14.00 | | 20.00 | | 21.50 | | 16.50 | | 11.00 | | 20.00 | 21.21 | 23.00 | | 21.00 | | 14.50 | 21.21 | 23.00 | |
| | | 11 | 2462 | 21.37 | 23.00 | | 20.00 | | 15.50 | | 14.00 | | 20.00 | | 21.50 | | 16.50 | | 11.00 | | 20.00 | 21.37 | 23.00 | | 21.00 | | 14.50 | 21.37 | 23.00 | |
| | 802.11ac-VHT20 MCS0 | 1 | 2412 | 20.72 | 22.50 | | 20.00 | | 15.50 | | 14.00 | | 20.00 | | 21.50 | | 16.50 | | 11.00 | | 20.00 | 20.72 | 22.50 | | 21.00 | | 14.50 | 20.72 | 22.50 | 100.00 |
| | | 6 | 2437 | 21.06 | 23.00 | | 20.00 | | 15.50 | | 14.00 | | 20.00 | | 21.50 | | 16.50 | | 11.00 | | 20.00 | 21.06 | 23.00 | | 21.00 | | 14.50 | 21.06 | 23.00 | |
| | | 11 | 2462 | 21.21 | 23.00 | | 20.00 | | 15.50 | | 14.00 | | 20.00 | | 21.50 | | 16.50 | | 11.00 | | 20.00 | 21.21 | 23.00 | | 21.00 | | 14.50 | 21.21 | 23.00 | |
| | 802.11ax-HE20 MCS0 | 1 | 2412 | 20.42 | 22.00 | | 20.00 | | 15.50 | | 14.00 | | 20.00 | | 21.50 | | 16.50 | | 11.00 | | 20.00 | 20.42 | 22.00 | | 21.00 | | 14.50 | 20.42 | 22.00 | 100.00 |
| | | 6 | 2437 | 21.26 | 23.00 | | 20.00 | | 15.50 | | 14.00 | | 20.00 | | 21.50 | | 16.50 | | 11.00 | | 20.00 | 21.26 | 23.00 | | 21.00 | | 14.50 | 21.26 | 23.00 | |
| | | 11 | 2462 | 21.37 | 23.00 | | 20.00 | | 15.50 | | 14.00 | | 20.00 | | 21.50 | | 16.50 | | 11.00 | | 20.00 | 21.37 | 23.00 | | 21.00 | | 14.50 | 21.37 | 23.00 | |

## 5.2GHz WLAN-ANT5+6

| 5.2GHz WLAN ANT 5+6 | | | | Full Power | | At Head: Power table 1(Standalone) (Full Power) | | At Head: Power table 2 (Simultaneous WLAN+WWAN) (Full Power) | | At Head: Power table 3 (Simultaneous WLAN DBS+WWAN) (Full power) | | At Head: Power table 4 WLAN DBS | | Body Worn: Power Table 1 (Standalone) | | Body Worn: Power table 2 (Simultaneous WLAN+WWAN) Hotspot: Power table 1 (WLAN+WWAN) | | Body Worn: Power table 3 (Simultaneous WLAN DBS+WWAN) Hotspot: Power table 2 (WLAN DBS+WWAN) | | Body Worn: Power table 4 WLAN DBS) | | Handheld: Power Table 1 (Standalone) | | Handheld: Power table 2 (Simultaneous WLAN+WWAN) | | Handheld: Power table 3 (Simultaneous WLAN DBS+WWAN) | | Handheld: Power table 4 WLAN DBS) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.2GHz WLAN | 802.11a 6Mbps | 36 | 5180 | 18.51 | 20.00 | 18.51 | 20.00 | 18.51 | 20.00 | 18.51 | 20.00 | 18.51 | 20.00 | Not Required | 14.00 | Not Required | 9.00 | Not Required | 8.00 | Not Required | 13.00 | Not Required | 19.00 | Not Required | 16.00 | Not Required | 14.00 | Not Required | 18.00 | 99.27 |
| | | 40 | 5200 | 18.69 | 20.00 | 18.69 | 20.00 | 18.69 | 20.00 | 18.69 | 20.00 | 18.69 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 44 | 5220 | 18.80 | 20.00 | 18.80 | 20.00 | 18.80 | 20.00 | 18.80 | 20.00 | 18.80 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 48 | 5240 | 18.60 | 20.00 | 18.60 | 20.00 | 18.60 | 20.00 | 18.60 | 20.00 | 18.60 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11n-HT20 MCS0 | 36 | 5180 | 18.50 | 20.00 | 18.50 | 20.00 | 18.50 | 20.00 | 18.50 | 20.00 | 18.50 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | 100.00 |
| | | 40 | 5200 | 18.57 | 20.00 | 18.57 | 20.00 | 18.57 | 20.00 | 18.57 | 20.00 | 18.57 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 44 | 5220 | 18.62 | 20.00 | 18.62 | 20.00 | 18.62 | 20.00 | 18.62 | 20.00 | 18.62 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 48 | 5240 | 18.48 | 20.00 | 18.48 | 20.00 | 18.48 | 20.00 | 18.48 | 20.00 | 18.48 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11n-HT40 MCS0 | 38 | 5190 | 17.12 | 19.00 | 17.12 | 19.00 | 17.12 | 19.00 | 17.12 | 19.00 | 17.12 | 19.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | 17.42 | 19.00 | | 16.00 | | 14.00 | | 18.00 | 100.00 |
| | | 46 | 5230 | 18.72 | 19.50 | 18.72 | 19.50 | 18.72 | 19.50 | 18.72 | 19.50 | 18.72 | 19.50 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | 17.70 | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11ac-VHT20 MCS0 | 36 | 5180 | 18.48 | 20.00 | 18.48 | 20.00 | 18.48 | 20.00 | 18.48 | 20.00 | 18.48 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | 100.00 |
| | | 40 | 5200 | 18.49 | 20.00 | 18.49 | 20.00 | 18.49 | 20.00 | 18.49 | 20.00 | 18.49 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 44 | 5220 | 18.54 | 20.00 | 18.54 | 20.00 | 18.54 | 20.00 | 18.54 | 20.00 | 18.54 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 48 | 5240 | 18.40 | 20.00 | 18.40 | 20.00 | 18.40 | 20.00 | 18.40 | 20.00 | 18.40 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11ac-VHT40 MCS0 | 38 | 5190 | 17.03 | 19.00 | 17.03 | 19.00 | 17.03 | 19.00 | 17.03 | 19.00 | 17.03 | 19.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | 100.00 |
| | | 46 | 5230 | 18.65 | 19.50 | 18.65 | 19.50 | 18.65 | 19.50 | 18.65 | 19.50 | 18.65 | 19.50 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11ac-VHT80 MCS0 | 42 | 5210 | 16.48 | 18.00 | 16.48 | 18.00 | 16.48 | 18.00 | 16.48 | 18.00 | 16.48 | 18.00 | 12.88 | 14.00 | 7.73 | 9.00 | 6.69 | 8.00 | 11.64 | 13.00 | | 18.00 | 14.65 | 16.00 | 12.33 | 14.00 | 16.48 | 18.00 | 100.00 |
| | 802.11ax-HE20 MCS0 | 36 | 5180 | 17.74 | 19.50 | 17.74 | 19.50 | 17.74 | 19.50 | 17.74 | 19.50 | 17.74 | 19.50 | Not Required | 14.00 | Not Required | 9.00 | Not Required | 8.00 | Not Required | 13.00 | | 19.00 | Not Required | 16.00 | Not Required | 14.00 | | 18.00 | 100.00 |
| | | 40 | 5200 | 18.28 | 20.00 | 18.28 | 20.00 | 18.28 | 20.00 | 18.28 | 20.00 | 18.28 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 44 | 5220 | 18.75 | 20.00 | 18.75 | 20.00 | 18.75 | 20.00 | 18.75 | 20.00 | 18.75 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 48 | 5240 | 18.59 | 20.00 | 18.59 | 20.00 | 18.59 | 20.00 | 18.59 | 20.00 | 18.59 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11ax-HE40 MCS0 | 38 | 5190 | 16.48 | 18.00 | 16.48 | 18.00 | 16.48 | 18.00 | 16.48 | 18.00 | 16.48 | 18.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 18.00 | | 16.00 | | 14.00 | | 18.00 | 100.00 |
| | | 46 | 5230 | 18.76 | 19.50 | 18.76 | 19.50 | 18.76 | 19.50 | 18.76 | 19.50 | 18.76 | 19.50 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11ax-HE80 MCS0 | 42 | 5210 | 16.49 | 18.00 | 16.49 | 18.00 | 16.49 | 18.00 | 16.49 | 18.00 | 16.49 | 18.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 18.00 | | 16.00 | | 14.00 | | 18.00 | 100.00 |

## 5.3GHz WLAN ANT 5+6

| 5.3GHz WLAN ANT 5+6 | | | | Full Power | | At Head: Power table 1(Standalone) (Full Power) | | At Head: Power table 2 (Simultaneous WLAN+WWAN) (Full Power) | | At Head: Power table 3 (Simultaneous WLAN DBS+WWAN) (Full power) | | At Head: Power table 4 WLAN DBS | | Body Worn: Power Table 1 (Standalone) | | Body Worn: Power table 2 (Simultaneous WLAN+WWAN) | | Body Worn: Power table 3 (Simultaneous WLAN DBS+WWAN) | | Body Worn: Power table 4 WLAN DBS) | | Handheld: Power Table 1 (Standalone) | | Handheld: Power table 2 (Simultaneous WLAN+WWAN) | | Handheld: Power table 3 (Simultaneous WLAN DBS+WWAN ) | | Handheld: Power table 4 WLAN DBS) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.3GHz WLAN | 802.11a 6Mbps | 52 | 5260 | 18.59 | 20.00 | 18.59 | 20.00 | 18.59 | 20.00 | 18.59 | 20.00 | 18.59 | 20.00 | Not Required | 14.00 | Not Required | 9.00 | Not Required | 8.00 | Not Required | 13.00 | Not Required | 19.00 | Not Required | 16.00 | Not Required | 14.00 | Not Required | 18.00 | 99.27 |
| | | 56 | 5280 | 18.53 | 20.00 | 18.53 | 20.00 | 18.53 | 20.00 | 18.53 | 20.00 | 18.53 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 60 | 5300 | 19.01 | 20.00 | 19.01 | 20.00 | 19.01 | 20.00 | 19.01 | 20.00 | 19.01 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 64 | 5320 | 18.34 | 20.00 | 18.34 | 20.00 | 18.34 | 20.00 | 18.34 | 20.00 | 18.34 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11n-HT20 MCS0 | 52 | 5260 | 18.50 | 20.00 | 18.50 | 20.00 | 18.50 | 20.00 | 18.50 | 20.00 | 18.50 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | 100.00 |
| | | 56 | 5280 | 18.44 | 20.00 | 18.44 | 20.00 | 18.44 | 20.00 | 18.44 | 20.00 | 18.44 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 60 | 5300 | 18.78 | 20.00 | 18.78 | 20.00 | 18.78 | 20.00 | 18.78 | 20.00 | 18.78 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 64 | 5320 | 18.65 | 20.00 | 18.65 | 20.00 | 18.65 | 20.00 | 18.65 | 20.00 | 18.65 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11n-HT40 MCS0 | 54 | 5270 | 18.97 | 19.50 | 18.97 | 19.50 | 18.97 | 19.50 | 18.97 | 19.50 | 18.97 | 19.50 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | 17.87 | 19.00 | | 16.00 | | 14.00 | | 18.00 | 100.00 |
| | | 62 | 5310 | 17.08 | 19.00 | 17.08 | 19.00 | 17.08 | 19.00 | 17.08 | 19.00 | 17.08 | 19.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | 17.38 | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11ac-VHT20 MCS0 | 52 | 5260 | 18.44 | 20.00 | 18.44 | 20.00 | 18.44 | 20.00 | 18.44 | 20.00 | 18.44 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | 100.00 |
| | | 56 | 5280 | 18.37 | 20.00 | 18.37 | 20.00 | 18.37 | 20.00 | 18.37 | 20.00 | 18.37 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 60 | 5300 | 18.71 | 20.00 | 18.71 | 20.00 | 18.71 | 20.00 | 18.71 | 20.00 | 18.71 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 64 | 5320 | 18.63 | 20.00 | 18.63 | 20.00 | 18.63 | 20.00 | 18.63 | 20.00 | 18.63 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11ac-VHT40 MCS0 | 54 | 5270 | 18.88 | 19.50 | 18.88 | 19.50 | 18.88 | 19.50 | 18.88 | 19.50 | 18.88 | 19.50 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | 100.00 |
| | | 62 | 5310 | 16.99 | 18.50 | 16.99 | 18.50 | 16.99 | 18.50 | 16.99 | 18.50 | 16.99 | 18.50 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11ac-VHT80 MCS0 | 58 | 5290 | 16.45 | 18.00 | 16.45 | 18.00 | 16.45 | 18.00 | 16.45 | 18.00 | 16.45 | 18.00 | 12.89 | 14.00 | 8.21 | 9.00 | 7.19 | 8.00 | 11.75 | 13.00 | | 18.00 | 14.93 | 16.00 | 12.44 | 14.00 | 16.45 | 18.00 | 100.00 |
| | 802.11ax-HE20 MCS0 | 52 | 5260 | 18.62 | 20.00 | 18.62 | 20.00 | 18.62 | 20.00 | 18.62 | 20.00 | 18.62 | 20.00 | Not Required | 14.00 | Not Required | 9.00 | Not Required | 8.00 | Not Required | 13.00 | Not Required | 19.00 | Not Required | 16.00 | Not Required | 14.00 | Not Required | 18.00 | 100.00 |
| | | 56 | 5280 | 18.54 | 20.00 | 18.54 | 20.00 | 18.54 | 20.00 | 18.54 | 20.00 | 18.54 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 60 | 5300 | 18.87 | 20.00 | 18.87 | 20.00 | 18.87 | 20.00 | 18.87 | 20.00 | 18.87 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | | 64 | 5320 | 18.50 | 20.00 | 18.50 | 20.00 | 18.50 | 20.00 | 18.50 | 20.00 | 18.50 | 20.00 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11ax-HE40 MCS0 | 54 | 5270 | 18.76 | 19.50 | 18.76 | 19.50 | 18.76 | 19.50 | 18.76 | 19.50 | 18.76 | 19.50 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 19.00 | | 16.00 | | 14.00 | | 18.00 | 100.00 |
| | | 62 | 5310 | 16.96 | 18.50 | 16.96 | 18.50 | 16.96 | 18.50 | 16.96 | 18.50 | 16.96 | 18.50 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 18.50 | | 16.00 | | 14.00 | | 18.00 | |
| | 802.11ax-HE80 MCS0 | 58 | 5290 | 15.96 | 17.50 | 15.96 | 17.50 | 15.96 | 17.50 | 15.96 | 17.50 | 15.96 | 17.50 | | 14.00 | | 9.00 | | 8.00 | | 13.00 | | 17.50 | | 16.00 | | 14.00 | | 17.50 | 100.00 |

## 5.5GHz WLAN ANT 5+6

| 5.5GHz WLAN ANT 5+6 | | | | Full Power | | At Head: Power table 1(Standalone) (Full Power) | | At Head: Power table 2 (Simultaneous WLAN+WWAN) (Full Power) | | At Head: Power table 3 (Simultaneous WLAN DBS+WWAN ) | | At Head: Power table 4 WLAN DBS | | Body Worn: Power Table 1 (Standalone) | | Body Worn: Power table 2 (Simultaneous WLAN+WWAN) | | Body Worn: Power table 3 (Simultaneous WLAN DBS+WWAN) | | Body Worn: Power table 4 WLAN DBS) | | Handheld: Power Table 1 (Standalone) | | Handheld: Power table 2 (Simultaneous WLAN+WWAN) | | Handheld: Power table 3 (Simultaneous WLAN DBS+WWAN) | | Handheld: Power table 4 WLAN DBS) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.5GHz WLAN | 802.11a 6Mbps | 100 | 5500 | 18.12 | 19.50 | 18.12 | 19.50 | 18.12 | 19.50 | Not Required | 17.00 | 18.12 | 19.50 | Not Required | 13.00 | Not Required | 7.50 | Not Required | 6.00 | Not Required | 11.00 | Not Required | 19.50 | Not Required | 14.00 | Not Required | 13.00 | Not Required | 18.00 | 99.27 |
| | | 116 | 5580 | 19.21 | 20.00 | 19.21 | 20.00 | 19.21 | 20.00 | | 17.00 | 19.21 | 20.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | | 132 | 5660 | 19.28 | 20.00 | 19.28 | 20.00 | 19.28 | 20.00 | | 17.00 | 19.28 | 20.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | | 140 | 5700 | 17.86 | 19.50 | 17.86 | 19.50 | 17.86 | 19.50 | | 17.00 | 17.86 | 19.50 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | 802.11n-HT20 MCS0 | 100 | 5500 | 18.72 | 20.00 | 18.72 | 20.00 | 18.72 | 20.00 | | 17.00 | 18.72 | 20.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | 100.00 |
| | | 116 | 5580 | 18.48 | 20.00 | 18.48 | 20.00 | 18.48 | 20.00 | | 17.00 | 18.48 | 20.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | | 132 | 5660 | 19.18 | 20.00 | 19.18 | 20.00 | 19.18 | 20.00 | | 17.00 | 19.18 | 20.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | | 140 | 5700 | 18.12 | 20.00 | 18.12 | 20.00 | 18.12 | 20.00 | | 17.00 | 18.12 | 20.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | 802.11n-HT40 MCS0 | 102 | 5510 | 17.06 | 18.50 | 17.06 | 18.50 | 17.06 | 18.50 | | 17.00 | 17.06 | 18.50 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | 17.36 | 18.50 | | 14.00 | | 13.00 | 17.02 | 18.00 | 100.00 |
| | | 110 | 5550 | 18.47 | 19.50 | 18.47 | 19.50 | 18.47 | 19.50 | | 17.00 | 18.47 | 19.50 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | 18.13 | 19.50 | | 14.00 | | 13.00 | 17.14 | 18.00 | |
| | | 134 | 5670 | 18.47 | 19.50 | 18.47 | 19.50 | 18.47 | 19.50 | | 17.00 | 18.47 | 19.50 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | 18.43 | 19.50 | | 14.00 | | 13.00 | 17.19 | 18.00 | |
| | 802.11ac-VHT20 MCS0 | 100 | 5500 | 18.51 | 20.00 | 18.51 | 20.00 | 18.51 | 20.00 | | 17.00 | 18.51 | 20.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | 100.00 |
| | | 116 | 5580 | 18.40 | 20.00 | 18.40 | 20.00 | 18.40 | 20.00 | | 17.00 | 18.40 | 20.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | | 132 | 5660 | 19.12 | 20.00 | 19.12 | 20.00 | 19.12 | 20.00 | | 17.00 | 19.12 | 20.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | | 140 | 5700 | 18.10 | 20.00 | 18.10 | 20.00 | 18.10 | 20.00 | | 17.00 | 18.10 | 20.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | 802.11ac-VHT40 MCS0 | 102 | 5510 | 16.99 | 18.50 | 16.99 | 18.50 | 16.99 | 18.50 | | 17.00 | 16.99 | 18.50 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 17.50 | 100.00 |
| | | 110 | 5550 | 18.42 | 19.50 | 18.42 | 19.50 | 18.42 | 19.50 | | 17.00 | 18.42 | 19.50 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | | 134 | 5670 | 18.41 | 19.50 | 18.41 | 19.50 | 18.41 | 19.50 | | 17.00 | 18.41 | 19.50 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | 802.11ac-VHT80 MCS0 | 106 | 5530 | 15.63 | 17.00 | 15.63 | 17.00 | 15.63 | 17.00 | 15.63 | 17.00 | 15.63 | 17.00 | 11.73 | 13.00 | 6.53 | 7.50 | 4.71 | 6.00 | 9.85 | 11.00 | | 17.50 | 12.99 | 14.00 | 11.72 | 13.00 | | 17.50 | 100.00 |
| | 802.11ax-HE20 MCS0 | 100 | 5500 | 17.74 | 19.50 | 17.74 | 19.50 | 17.74 | 19.50 | | 17.00 | 17.74 | 19.50 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | 100.00 |
| | | 116 | 5580 | 18.58 | 20.00 | 18.58 | 20.00 | 18.58 | 20.00 | | 17.00 | 18.58 | 20.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | | 132 | 5660 | 18.22 | 20.00 | 18.22 | 20.00 | 18.22 | 20.00 | | 17.00 | 18.22 | 20.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | | 140 | 5700 | 17.85 | 19.50 | 17.85 | 19.50 | 17.85 | 19.50 | | 17.00 | 17.85 | 19.50 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | 802.11ax-HE40 MCS0 | 102 | 5510 | 16.50 | 18.50 | 16.50 | 18.50 | 16.50 | 18.50 | | 17.00 | 16.50 | 18.50 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 18.50 | | 14.00 | | 13.00 | | 18.00 | 100.00 |
| | | 110 | 5550 | 18.35 | 19.50 | 18.35 | 19.50 | 18.35 | 19.50 | | 17.00 | 18.35 | 19.50 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | | 134 | 5670 | 18.34 | 19.50 | 18.34 | 19.50 | 18.34 | 19.50 | | 17.00 | 18.34 | 19.50 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 19.50 | | 14.00 | | 13.00 | | 18.00 | |
| | 802.11ax-HE80 MCS0 | 106 | 5530 | 15.62 | 17.00 | 15.62 | 17.00 | 15.62 | 17.00 | | 17.00 | 15.62 | 17.00 | | 13.00 | | 7.50 | | 6.00 | | 11.00 | | 17.50 | | 14.00 | | 13.00 | | 17.50 | 100.00 |

## 5.8GHz WLAN ANT 5+6

| 5.8GHz WLAN ANT 5+6 | | | | Full Power | | At Head: Power table 1(Standalone) (Full Power) | | At Head: Power table 2 (Simultaneous WLAN+WWAN) (Full Power) | | At Head: Power table 3 (Simultaneous WLAN DBS+WWAN ) | | At Head: Power table 4 WLAN DBS | | Body Worn: Power Table 1 (Standalone) | | Body Worn: Power table 2 (Simultaneous WLAN+WWAN) Hotspot: Power table 1 (WLAN+WWAN) | | Body Worn: Power table 3 (Simultaneous WLAN DBS+WWAN/WLAN DBS) Hotspot: Power table 2 (WLAN DBS+WWAN) | | Body Worn: Power table 4 WLAN DBS) | | Handheld: Power Table 1 (Standalone) | | Handheld: Power table 2 (Simultaneous WLAN+WWAN) | | Handheld: Power table 3 (Simultaneous WLAN DBS+WWAN) | | Handheld: Power table 4 WLAN DBS) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mode | Channel | Frequency (MHz) | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Average power (dBm) | Tune-Up Limit | Duty Cycle % |
| 5.8GHz WLAN | 802.11a 6Mbps | 149 | 5745 | 19.35 | 20.50 | 19.35 | 20.50 | 19.35 | 20.50 | Not Required | 19.00 | 19.35 | 20.50 | Not Required | 14.00 | Not Required | 9.00 | Not Required | 8.50 | Not Required | 12.50 | Not Required | 20.00 | Not Required | 16.00 | Not Required | 14.00 | Not Required | 19.50 | 99.27 |
| | | 157 | 5785 | 19.26 | 20.50 | 19.26 | 20.50 | 19.26 | 20.50 | | 19.00 | 19.26 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | |
| | | 165 | 5825 | 19.33 | 20.50 | 19.33 | 20.50 | 19.33 | 20.50 | | 19.00 | 19.33 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | |
| | 802.11n-HT20 MCS0 | 149 | 5745 | 19.23 | 20.50 | 19.23 | 20.50 | 19.23 | 20.50 | | 19.00 | 19.23 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | 100.00 |
| | | 157 | 5785 | 19.21 | 20.50 | 19.21 | 20.50 | 19.21 | 20.50 | | 19.00 | 19.21 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | |
| | | 165 | 5825 | 19.24 | 20.50 | 19.24 | 20.50 | 19.24 | 20.50 | | 19.00 | 19.24 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | |
| | 802.11n-HT40 MCS0 | 151 | 5755 | 19.59 | 20.50 | 19.59 | 20.50 | 19.59 | 20.50 | | 19.00 | 19.59 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | 100.00 |
| | | 159 | 5795 | 19.51 | 20.50 | 19.51 | 20.50 | 19.51 | 20.50 | | 19.00 | 19.51 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | |
| | 802.11ac-VHT20 MCS0 | 149 | 5745 | 19.26 | 20.50 | 19.26 | 20.50 | 19.26 | 20.50 | | 19.00 | 19.26 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | 100.00 |
| | | 157 | 5785 | 19.06 | 20.50 | 19.06 | 20.50 | 19.06 | 20.50 | | 19.00 | 19.06 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | |
| | | 165 | 5825 | 19.29 | 20.50 | 19.29 | 20.50 | 19.29 | 20.50 | | 19.00 | 19.29 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | |
| | 802.11ac-VHT40 MCS0 | 151 | 5755 | 19.50 | 20.50 | 19.50 | 20.50 | 19.50 | 20.50 | | 19.00 | 19.50 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | 100.00 |
| | | 159 | 5795 | 19.42 | 20.50 | 19.42 | 20.50 | 19.42 | 20.50 | | 19.00 | 19.42 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | |
| | 802.11ac-VHT80 MCS0 | 155 | 5775 | 19.54 | 20.50 | 19.54 | 20.50 | 19.54 | 20.50 | 17.58 | 19.00 | 19.54 | 20.50 | 13.02 | 14.00 | 7.99 | 9.00 | 7.56 | 8.50 | 11.13 | 12.50 | 18.96 | 20.00 | 14.85 | 16.00 | 13.02 | 14.00 | 18.20 | 19.50 | 100.00 |
| | 802.11ax-HE20 MCS0 | 149 | 5745 | 19.30 | 20.50 | 19.30 | 20.50 | 19.30 | 20.50 | Not Required | 19.00 | 19.30 | 20.50 | Not Required | 14.00 | Not Required | 9.00 | Not Required | 8.50 | Not Required | 12.50 | Not Required | 20.00 | Not Required | 16.00 | Not Required | 14.00 | Not Required | 19.50 | 100.00 |
| | | 157 | 5785 | 19.12 | 20.50 | 19.12 | 20.50 | 19.12 | 20.50 | | 19.00 | 19.12 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | |
| | | 165 | 5825 | 19.29 | 20.50 | 19.29 | 20.50 | 19.29 | 20.50 | | 19.00 | 19.29 | 20.50 | | 14.00 | | 9.00 | | 8.50 | | 12.50 | | 20.00 | | 16.00 | | 14.00 | | 19.50 | |
| | 802.11ax-HE40 MCS0

**BT BR/EDR**

| Mode | Channel | Frequency (MHz) | Average power (dBm) | | | | | | | | | Tune-up Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Packet Type | | | | | | | | | |
| | | | DH1 | DH3 | DH5 | 2DH1 | 2DH3 | 2DH5 | 3DH1 | 3DH3 | 3DH5 | |
| Bluetooth | CH 0 | 2402 | 10.10 | 10.10 | 10.20 | 7.80 | 7.80 | 7.90 | 7.80 | 7.80 | 7.90 | 12 |
| | CH 39 | 2441 | 11.20 | 11.20 | **11.30** | 8.90 | 8.90 | **9.00** | 8.90 | 8.90 | **9.00** | |
| | CH 78 | 2480 | 10.00 | 10.00 | 10.10 | 7.80 | 7.80 | 7.90 | 7.80 | 7.80 | 7.90 | |

**BT LE v4.0**

| Mode | Channel | Frequency (MHz) | Average power (dBm) |
|---|---|---|---|
| | | | GFSK |
| LE | CH 00 | 2402 | 8.30 |
| | CH 19 | 2440 | 9.40 |
| | CH 39 | 2480 | 8.10 |
| Tune-up Limit | | | 10 |

**BT LE v5.0**

| Mode | Channel | Frequency (MHz) | Average power (dBm) | |
|---|---|---|---|---|
| | | | 1Mbps | 2Mbps |
| LE | CH 00 | 2402 | 8.30 | 8.40 |
| | CH 19 | 2440 | 9.40 | 9.50 |
| | CH 39 | 2480 | 8.10 | 8.20 |
| Tune-up Limit | | | 10 | 10 |

# Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

| RF exposure position | | | | | | | | | | | Aperture 0<br>Average Value of Time Sweep (W/kg) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WWAN_Ant 1 Head | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 |
| | WCDMA V | RMC 12.2Kbps | Full Power | 4233 | 846.6 | N/A | N/A | Right Cheek | 0mm | 0.289 | 0.245 | 0.239 | 0.22 | 0.23 | 0.222 | 0.134 | 0.15 | 0 | 0 | 0 | 0.044 | 0.102 | 0 | 0.048 | 0.075 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 1 | 11 | 21 | 31 | 41 | 51 | 61 | 71 | 81 | 91 | 101 | 111 | 121 | 131 | 141 |
| | WCDMA IV | RMC 12.2Kbps | Full Power | 1413 | 1732.6 | N/A | N/A | Left Cheek | 0mm | 0.136 | 0.073 | 0.06 | 0.089 | 0.084 | 0.06 | 0.066 | 0.047 | 0.105 | 0.101 | 0.12 | 0.09 | 0 | 0.052 | 0 | 0 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 2 | 12 | 22 | 32 | 42 | 52 | 62 | 72 | 82 | 92 | 102 | 112 | 122 | 132 | 142 |
| | WCDMA II | RMC 12.2Kbps | Full Power | 9538 | 1907.6 | N/A | N/A | Left Cheek | 0mm | 0.0539 | 0.053 | 0.048 | 0.047 | 0 | 0 | 0 | 0.042 | 0 | 0.0527 | 0.048 | 0 | 0.0532 | 0 | 0 | 0.005 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 3 | 13 | 23 | 33 | 43 | 53 | 63 | 73 | 83 | 93 | 103 | 113 | 123 | 133 | 143 |
| | LTE Band 12 | 10M-QPSK | Full Power | 23095 | 707.5 | 1 | 25 | Right Cheek | 0mm | 0.191 | 0 | 0.012 | 0.014 | 0 | 0.006 | 0 | 0.015 | 0.024 | 0.019 | 0.035 | 0 | 0.03 | 0 | 0.042 | 0 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 4 | 14 | 24 | 34 | 44 | 54 | 64 | 74 | 84 | 94 | 104 | 114 | 124 | 134 | 0 |
| | LTE Band 13 | 10M-QPSK | Full Power | 23230 | 782 | 1 | 25 | Right Cheek | 0mm | 0.254 | 0.193 | 0.082 | 0 | 0 | 0.044 | 0 | 0.044 | 0.073 | 0.053 | 0.078 | 0 | 0 | 0 | 0.083 | 0.045 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 1 |
| | LTE Band 26 | 15M-QPSK | Full Power | 26865 | 831.5 | 1 | 37 | Right Cheek | 0mm | 0.326 | 0.072 | 0.091 | 0 | 0 | 0 | 0 | 0.06 | 0.048 | 0 | 0 | 0 | 0.023 | 0 | 0.015 | 0.008 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 6 | 16 | 26 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 106 | 116 | 126 | 136 | 2 |
| | LTE Band 66 | 20M-QPSK | Full Power | 132322 | 1745 | 1 | 49 | Left Cheek | 0mm | 0.174 | 0.143 | 0.14 | 0.07 | 0.094 | 0.154 | 0.146 | 0.086 | 0.055 | 0.096 | 0.067 | 0.103 | 0.115 | 0 | 0.044 | 0.023 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 7 | 17 | 27 | 37 | 47 | 57 | 67 | 77 | 87 | 97 | 107 | 117 | 127 | 137 | 3 |
| | LTE Band 2 | 20M-QPSK | Full Power | 19100 | 1900 | 1 | 49 | Left Cheek | 0mm | 0.231 | 0.06 | 0.058 | 0.068 | 0.046 | 0.059 | 0 | 0 | 0 | 0 | 0 | 0.042 | 0 | 0.095 | 0 | 0.056 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 8 | 18 | 28 | 38 | 48 | 58 | 68 | 78 | 88 | 98 | 108 | 118 | 128 | 138 | 4 |
| | LTE Band 7 | 20M-QPSK | Full Power | 21100 | 2535 | 1 | 49 | Right Cheek | 0mm | 0.328 | 0.275 | 0.244 | 0.24 | 0.192 | 0.212 | 0.187 | 0.167 | 0.129 | 0.187 | 0.167 | 0.13 | 0.136 | 0.124 | 0.211 | 0.126 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 9 | 19 | 29 | 39 | 49 | 59 | 69 | 79 | 89 | 99 | 109 | 119 | 129 | 139 | 5 |
| | LTE Band 41 | 20M-QPSK | Full Power | 40185 | 2549.5 | 1 | 49 | Right Cheek | 0mm | 0.118 | 0.115 | 0.109 | 0.097 | 0.08 | 0.092 | 0.08 | 0.076 | 0.056 | 0.084 | 0.088 | 0.052 | 0.055 | 0.046 | 0.035 | 0.021 |
| WWAN_Ant 1 Body | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 6 |
| | WCDMA V | RMC 12.2Kbps | Hotspot on | 4182 | 836.4 | N/A | N/A | Back | 5mm | 1.02 | 0.969 | 0.925 | 0.861 | 0.896 | 0.835 | 0.514 | 0.6 | 0 | 0 | 0 | 0.146 | 0.407 | 0.133 | 0.188 | 0.285 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 1 | 11 | 21 | 31 | 41 | 51 | 61 | 71 | 81 | 91 | 101 | 111 | 121 | 131 | 7 |
| | WCDMA IV | RMC 12.2Kbps | Hotspot on | 1513 | 1752.6 | N/A | N/A | Bottom Side | 5mm | 0.736 | 0.591 | 0.453 | 0.693 | 0.639 | 0.523 | 0.589 | 0.455 | 0.619 | 0.714 | 0.731 | 0.643 | 0.287 | 0.423 | 0.334 | 0.28 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 2 | 12 | 22 | 32 | 42 | 52 | 62 | 72 | 82 | 92 | 102 | 112 | 122 | 132 | 8 |
| | WCDMA II | RMC 12.2Kbps | Hotspot on | 9262 | 1852.4 | N/A | N/A | Bottom Side | 5mm | 1.01 | 0.711 | 0.768 | 0.509 | 0.442 | 0.356 | 0.384 | 0.404 | 0.472 | 0.964 | 0.616 | 0.296 | 0.66 | 0.26 | 0.204 | 0.166 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 3 | 13 | 23 | 33 | 43 | 53 | 63 | 73 | 83 | 93 | 103 | 113 | 123 | 133 | 9 |
| | LTE Band 12 | 10M-QPSK | Full power | 23095 | 707.5 | 1 | 25 | Back | 5mm | 0.584 | 0.1 | 0 | 0.065 | 0.046 | 0 | 0 | 0.012 | 0 | 0.056 | 0 | 0.096 | 0 | 0.06 | 0 | 0.01 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 4 | 14 | 24 | 34 | 44 | 54 | 64 | 74 | 84 | 94 | 104 | 114 | 124 | 134 | 10 |
| | LTE Band 13 | 10M-QPSK | Full power | 23230 | 782 | 1 | 25 | Back | 5mm | 0.778 | 0.699 | 0.458 | 0.15 | 0 | 0.131 | 0.054 | 0.263 | 0.385 | 0.174 | 0.343 | 0.07 | 0.05 | 0.082 | 0.345 | 0.23 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 | 95 | 105 | 115 | 125 | 135 | 11 |
| | LTE Band 26 | 15M-QPSK | Hotspot on | 26865 | 831.5 | 1 | 37 | Back | 5mm | 0.959 | 0.448 | 0.489 | 0.119 | 0.182 | 0.05 | 0.125 | 0.494 | 0.575 | 0.119 | 0.326 | 0 | 0 | 0.371 | 0.246 | 0.195 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 6 | 16 | 26 | 36 | 46 | 56 | 66 | 76 | 86 | 96 | 106 | 116 | 126 | 136 | 12 |
| | LTE Band 66 | 20M-QPSK | Hotspot on | 132322 | 1745 | 50 | 24 | Bottom Side | 5mm | 1.12 | 1.08 | 0.963 | 0.665 | 0.685 | 1.1 | 1.06 | 0.636 | 0.469 | 0.688 | 0.578 | 0.938 | 0.812 | 0.388 | 0.452 | 0.11 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 7 | 17 | 27 | 37 | 47 | 57 | 67 | 77 | 87 | 97 | 107 | 117 | 127 | 137 | 13 |
| | LTE Band 2 | 20M-QPSK | Hotspot on | 18900 | 1880 | 50 | 24 | Bottom Side | 5mm | 0.976 | 0.454 | 0.488 | 0.465 | 0.402 | 0.59 | 0.482 | 0.273 | 0.198 | 0.296 | 0.247 | 0.376 | 0.277 | 0.769 | 0.126 | 0.089 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 8 | 18 | 28 | 38 | 48 | 58 | 68 | 78 | 88 | 98 | 108 | 118 | 128 | 138 | 14 |
| | LTE Band 7 | 20M-QPSK | Hotspot on | 20850 | 2510 | 50 | 24 | Bottom Side | 5mm | 1.03 | 0.567 | 0.508 | 0.503 | 0.399 | 0.448 | 0.398 | 0.34 | 0.255 | 0.393 | 0.324 | 0.245 | 0.263 | 0.249 | 0.509 | 0.33 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 9 | 19 | 29 | 39 | 49 | 59 | 69 | 79 | 89 | 99 | 109 | 119 | 129 | 139 | 15 |
| | LTE Band 41 | 20M-QPSK | Hotspot on | 39750 | 2506 | 50 | 24 | Bottom Side | 5mm | 1.08 | 0.629 | 0.56 | 0.502 | 0.436 | 0.46 | 0.457 | 0.374 | 0.302 | 0.422 | 0.544 | 0.283 | 0.312 | 0.255 | 0.204 | 0.165 |

| RF exposure position | | | | | | | | | | | Aperture 0<br>Average Value of Time Sweep (W/kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 70 |
| WWAN_Ant 1 Head | GSM850 | GPRS(3 Tx slots) | Full Power | 128 | 824.2 | N/A | N/A | Right Cheek | 0mm | 0.291 | 0.162 | 0 | 0.062 | 0.135 | 0.157 | 0.222 | 0.052 | 0.089 | 0.151 | 0.181 | 0.196 | 0.181 | 0.104 | 0 | 0.186 | 0.219 | 0.182 | 0 | 0.054 | 0.218 | 0.174 | 0.087 | 0 | 0 | 0.037 | 0.099 | 0.139 | 0 | 0.073 | 0.112 | 0.103 | 0 | 0.124 | 0.133 | 0.113 | 0 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 17 | 19 | 21 | 23 | 25 | 27 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 | 55 | 57 | 59 | 61 | 63 | 65 | 67 | 69 | 71 |
| | GSM1900 | GPRS(2 Tx slots) | Full Power | 661 | 1880 | N/A | N/A | Left Cheek | 0mm | 0.0833 | 0.008 | 0 | 0.006 | 0.012 | 0 | 0.023 | 0 | 0 | 0.009 | 0 | 0.011 | 0.013 | 0 | 0 | 0.016 | 0 | 0.023 | 0 | 0 | 0.005 | 0.008 | 0 | 0 | 0.002 | 0 | 0.009 | 0 | 0 | 0.004 | 0 | 0.015 | 0 | 0.016 | 0 | 0.013 | 0.02 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 72 | 74 | 76 | 78 | 80 | 82 | 84 | 86 | 88 | 90 | 92 | 94 | 96 | 98 | 100 | 102 | 104 | 106 | 108 | 110 | 112 | 114 | 116 | 118 | 120 | 122 | 124 | 126 | 128 | 130 | 132 | 134 | 136 | 138 | 140 | 142 |
| WWAN_Ant 1 Body | GSM850 | GPRS(3 Tx slots) | Hotspot on | 189 | 836.4 | N/A | N/A | Back | 5mm | 0.989 | 0.163 | 0.432 | 0.377 | 0.376 | 0 | 0 | 0.042 | 0.144 | 0.249 | 0 | 0.06 | 0.13 | 0.231 | 0.361 | 0.082 | 0.298 | 0.267 | 0 | 0.261 | 0.335 | 0 | 0 | 0 | 0.051 | 0.096 | 0.125 | 0.156 | 0 | 0 | 0.135 | 0.231 | 0.11 | 0.196 | 0 | 0.207 | 0.211 |
| | Band | Mode | Power Reduction | Channel | Frequency (MHz) | RB Size | RB Offset | Test Position | Spacing | Measured 1g SAR (W/kg) | 73 | 75 | 77 | 79 | 81 | 83 | 85 | 87 | 89 | 91 | 93 | 95 | 97 | 99 | 101 | 103 | 105 | 107 | 109 | 111 | 113 | 115 | 117 | 119 | 121 | 123 | 125 | 127 | 129 | 131 | 133 | 135 | 137 | 139 | 141 | 143 |
| | GSM1900 | GPRS(2 Tx slots) | Hotspot on | 661 | 1880 | N/A | N/A | Bottom Side | 5mm | 0.96 | 0.208 | 0.199 | 0.192 | 0.182 | 0.957 | 0.669 | 0.431 | 0.336 | 0.263 | 0.695 | 0.335 | 0.264 | 0.232 | 0.517 | 0.339 | 0.199 | 0.298 | 0.312 | 0.179 | 0.198 | 0.951 | 0.159 | 0.302 | 0.219 | 0.227 | 0.191 | 0.191 | 0.947 | 0.229 | 0.15 | 0.817 | 0.167 | 0.135 | 0.166 | 0.156 | 0.101 |