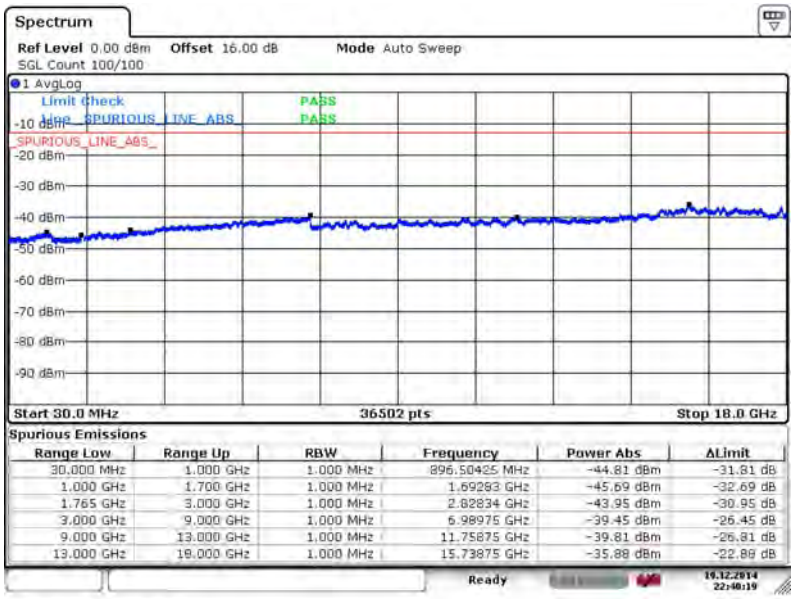
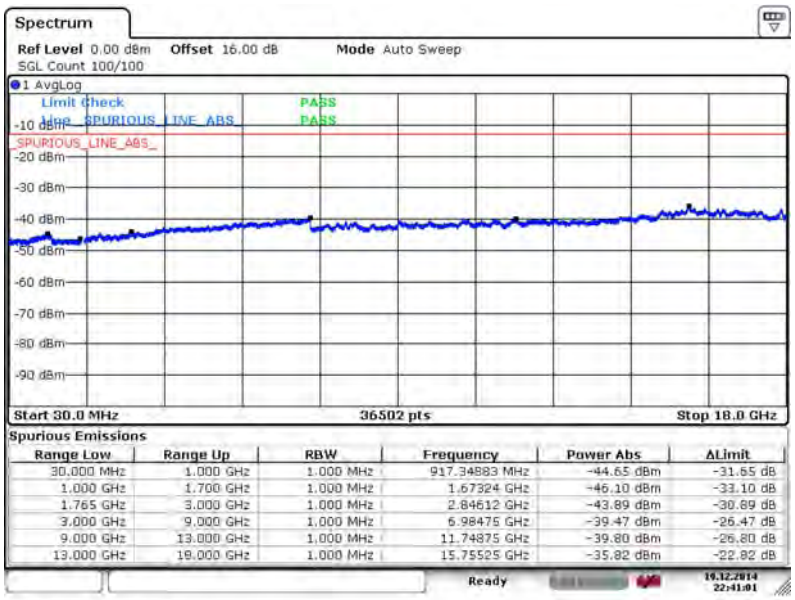
| Band : | LTE Band 4 | Channel : | CH20000 (Low) |
|---|---|---|---|
| Band Width : | 10MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 22:40:19

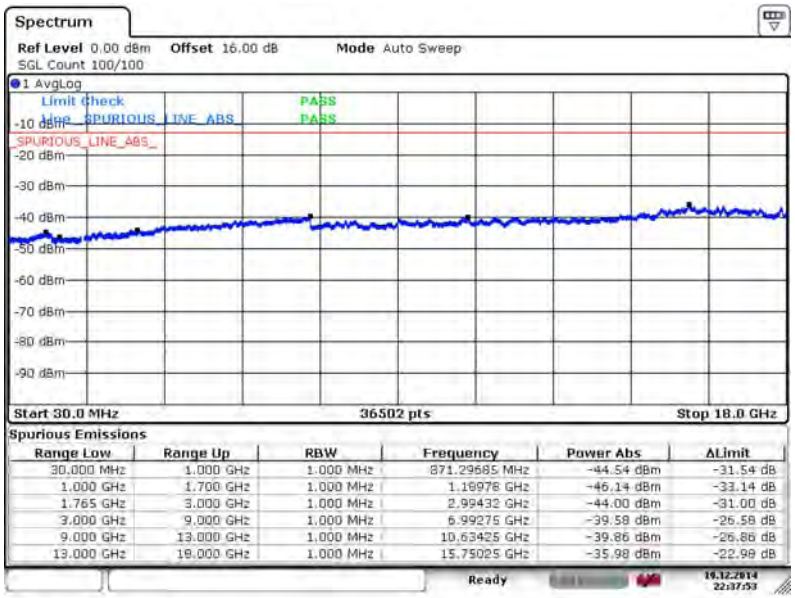
**16QAM (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 22:41:01

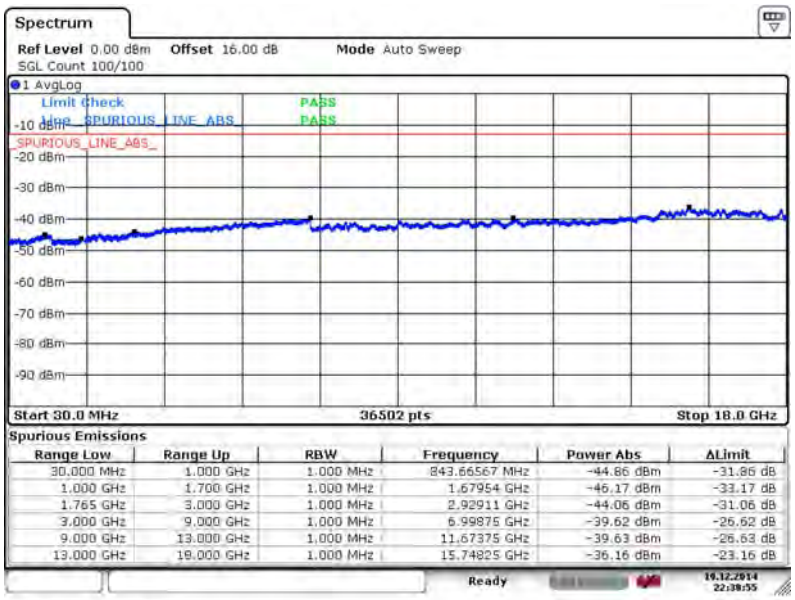
| Band : | LTE Band 4 | Channel : | CH20175 (Middle) |
|---|---|---|---|
| Band Width : | 10MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 22:37:53

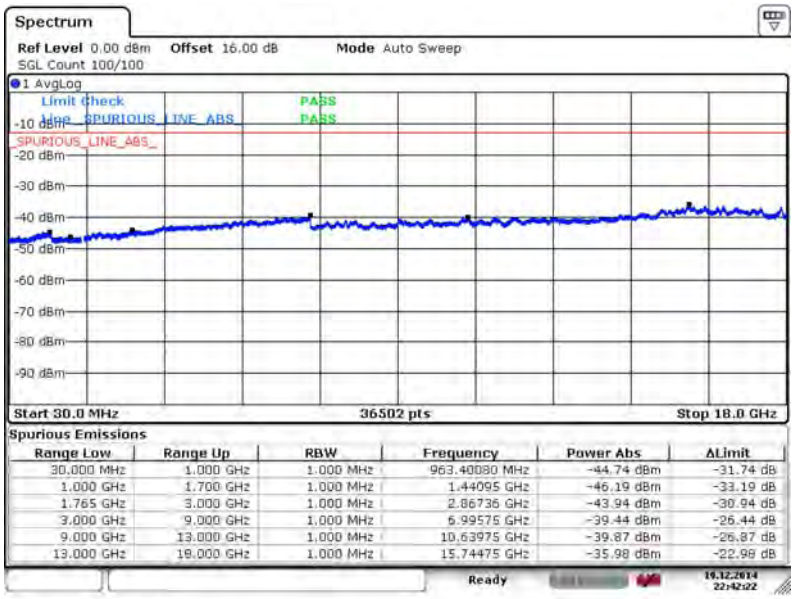
**16QAM (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 22:38:55

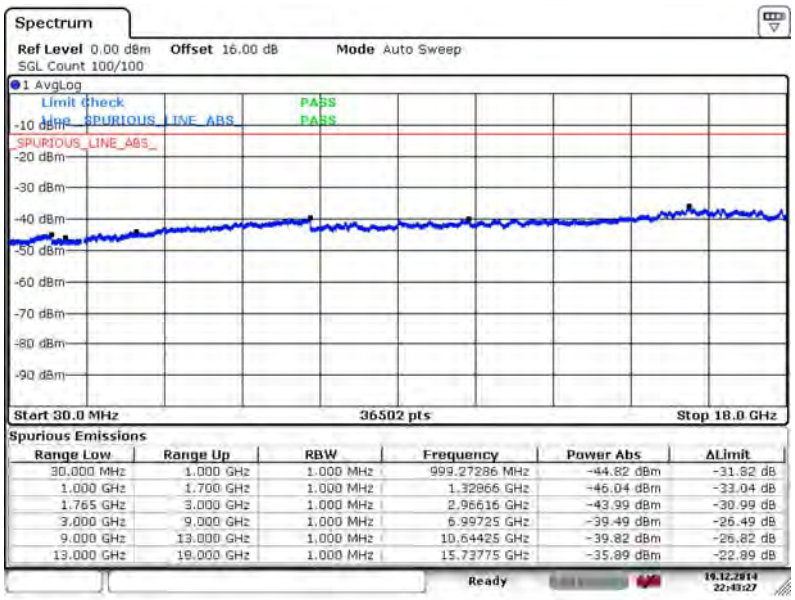
| Band : | LTE Band 4 | Channel : | CH20350 (High) |
|---|---|---|---|
| Band Width : | 10MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19 DEC 2014 22:42:22

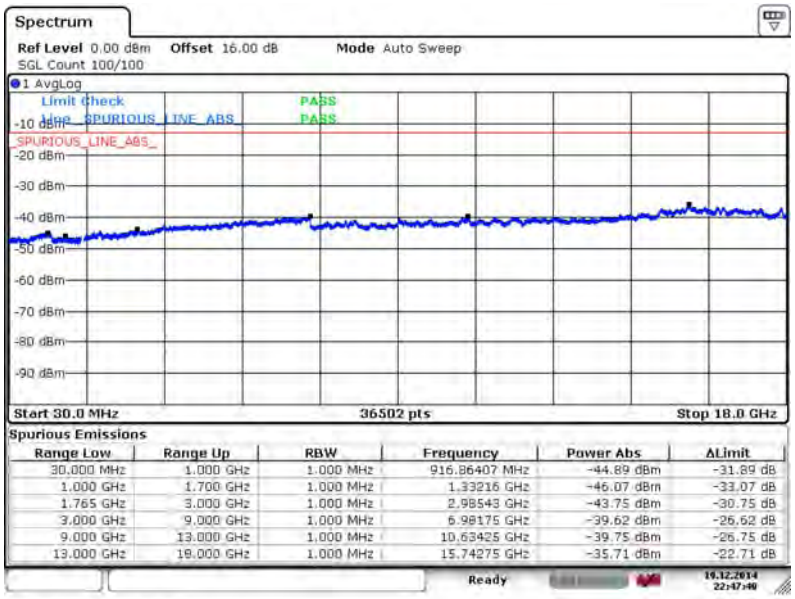
**16QAM (RB Size 1, RB Offset 0)**




Date: 19 DEC 2014 22:43:27

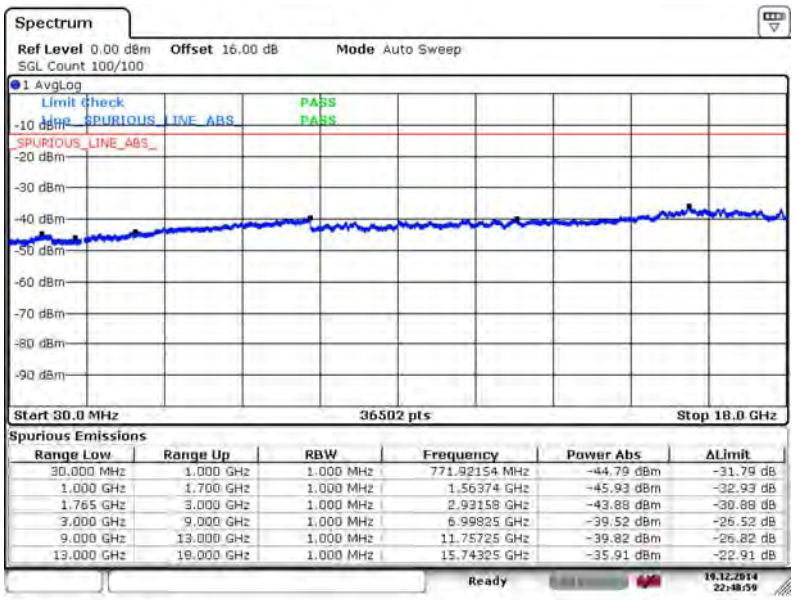
| Band : | LTE Band 4 | Channel : | CH20025 (Low) |
|---|---|---|---|
| Band Width : | 15MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19 DEC 2014 22:47:40

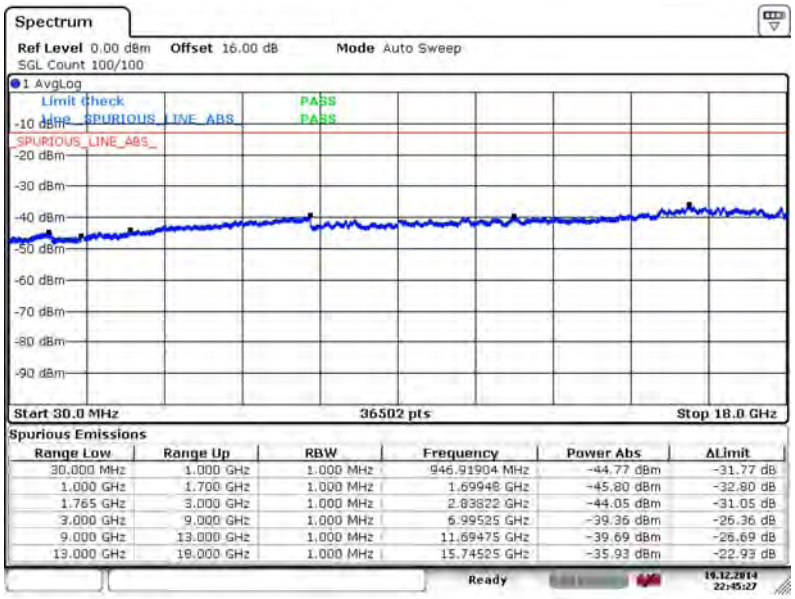
**16QAM (RB Size 1, RB Offset 0)**



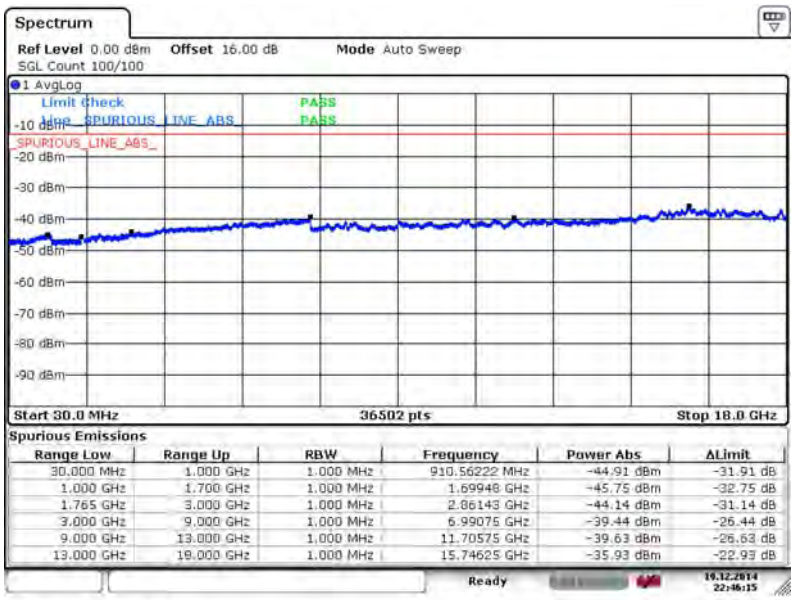

Date: 19 DEC 2014 22:48:59

| Band : | LTE Band 4 | Channel : | CH20175 (Middle) |
|---|---|---|---|
| Band Width : | 15MHz | | |

**QPSK (RB Size 1, RB Offset 0)**

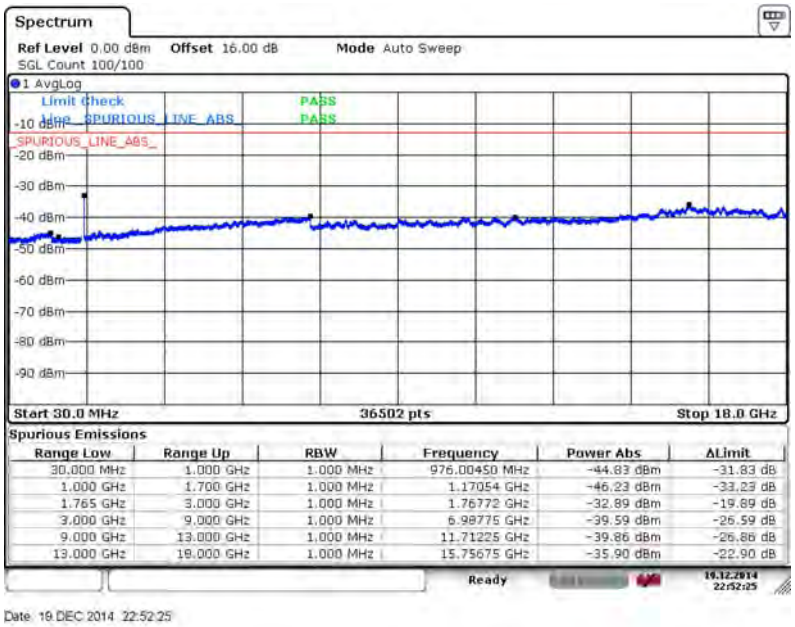



**16QAM (RB Size 1, RB Offset 0)**

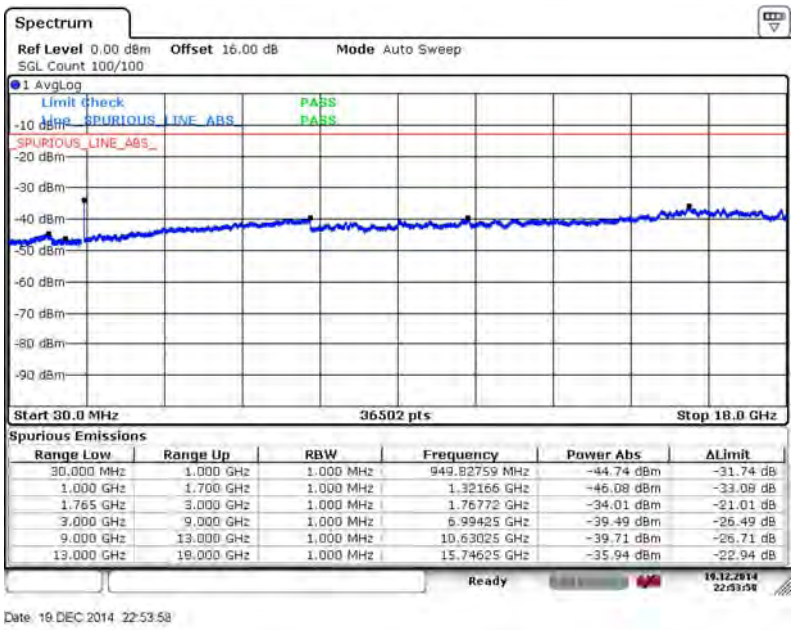


| Band : | LTE Band 4 | Channel : | CH20325 (High) |
|---|---|---|---|
| Band Width : | 15MHz | | |

**QPSK (RB Size 1, RB Offset 0)**

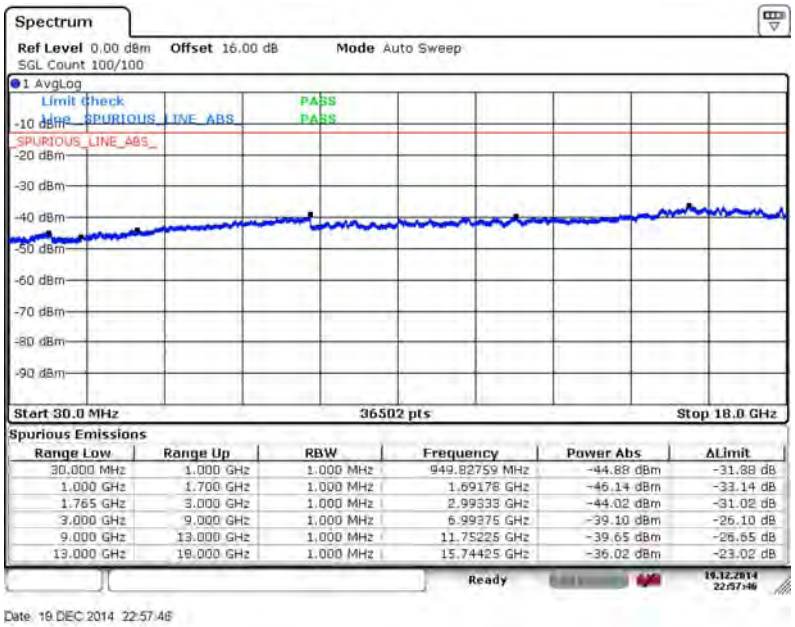



**16QAM (RB Size 1, RB Offset 0)**

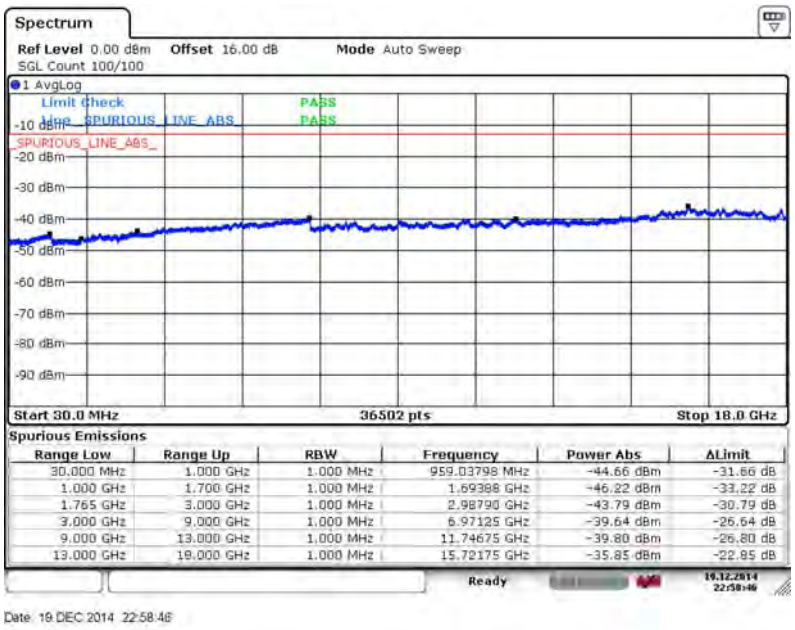


| Band : | LTE Band 4 | Channel : | CH20050 (Low) |
|---|---|---|---|
| Band Width : | 20MHz | | |

**QPSK (RB Size 1, RB Offset 0)**

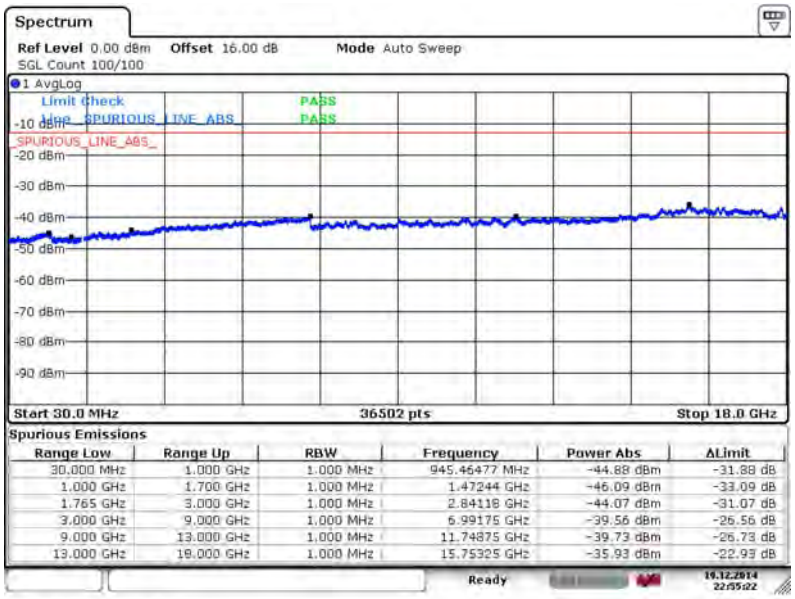



**16QAM (RB Size 1, RB Offset 0)**



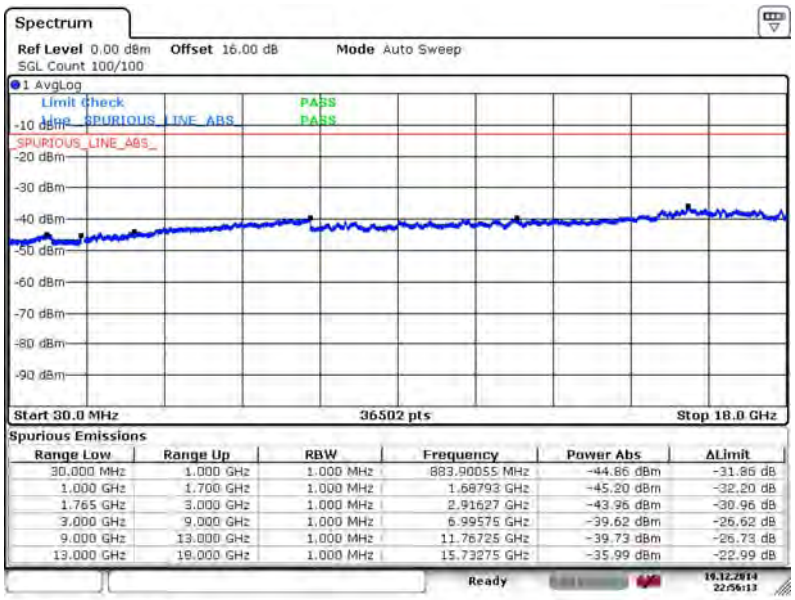
| Band : | LTE Band 4 | Channel : | CH20175 (Middle) |
|---|---|---|---|
| Band Width : | 20MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 22:55:22

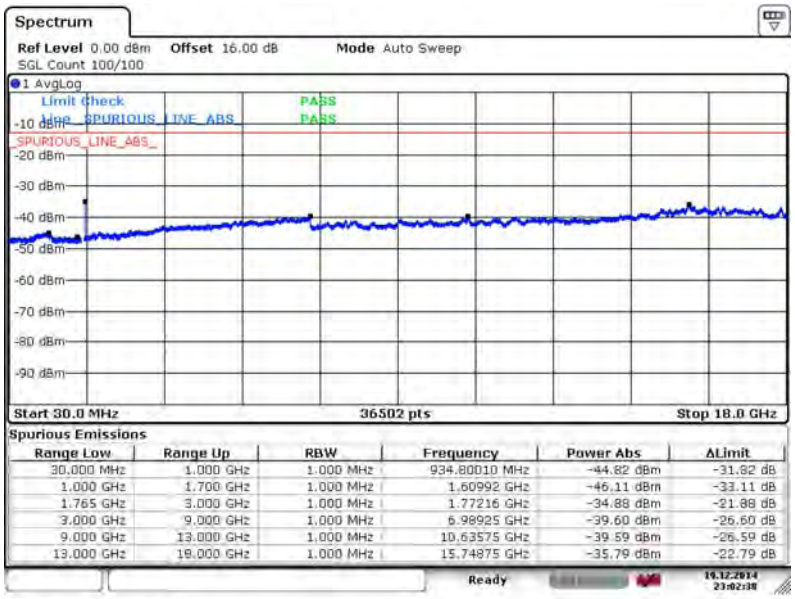
**16QAM (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 22:56:13

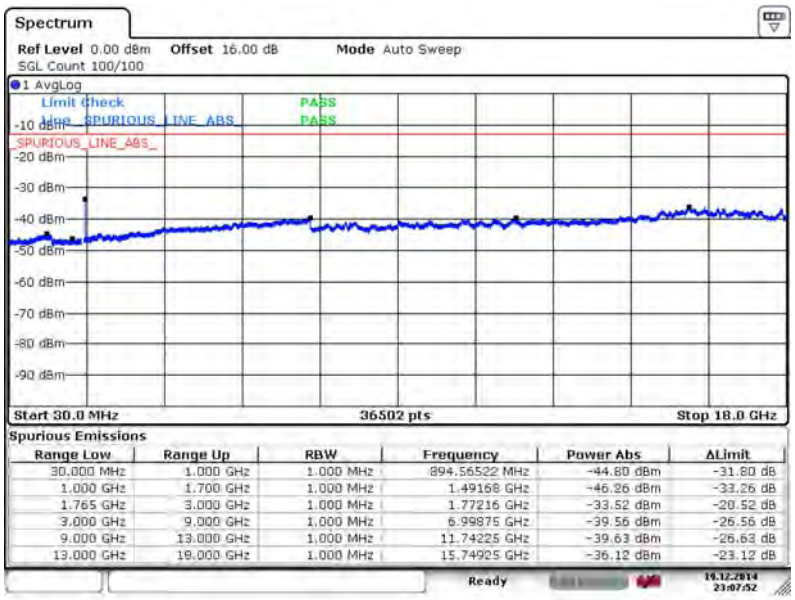
| Band : | LTE Band 4 | Channel : | CH20300 (High) |
|---|---|---|---|
| Band Width : | 20MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 23:02:38

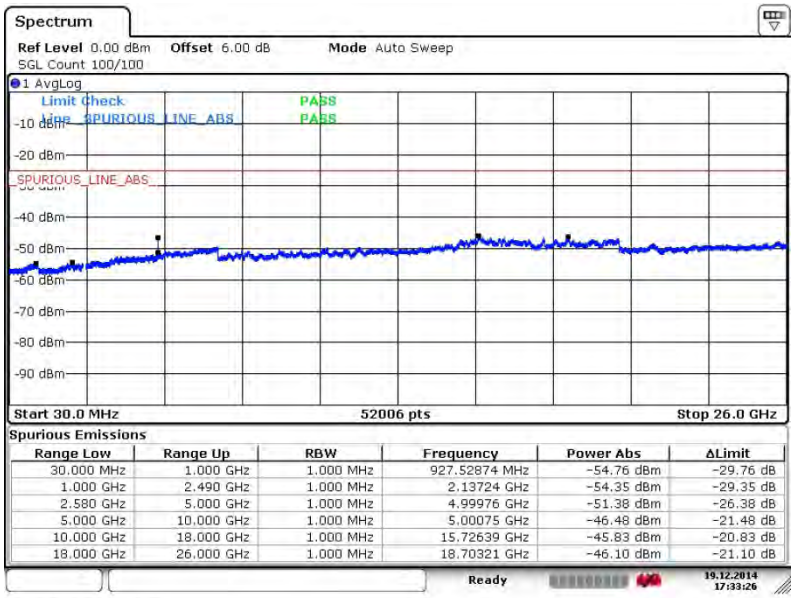
**16QAM (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 23:07:52

| Band : | LTE Band 7 | Channel : | CH20775 (Low) |
|---|---|---|---|
| Band Width : | 5MHz | | |

**QPSK (RB Size 1, RB Offset 0)**

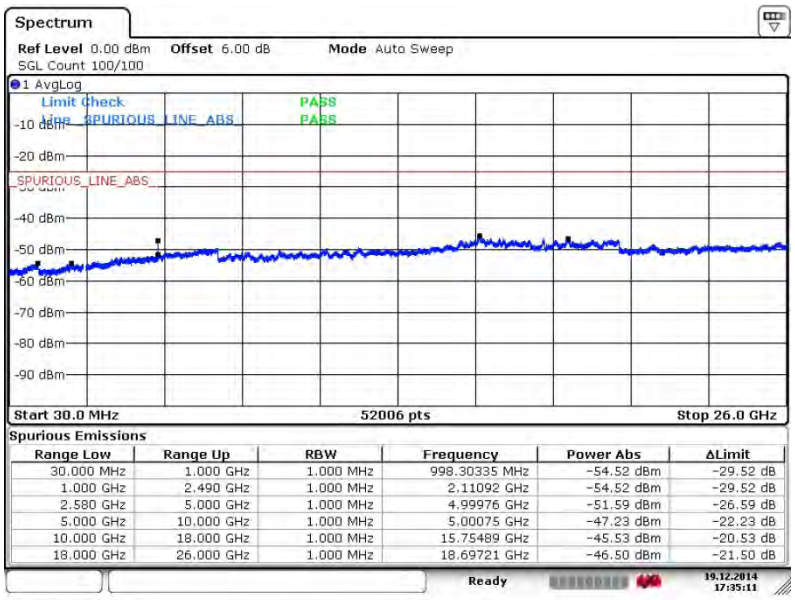



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 927.52874 MHz | -54.76 dBm | -29.76 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.13724 GHz | -54.35 dBm | -29.35 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99976 GHz | -51.38 dBm | -26.38 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00075 GHz | -46.48 dBm | -21.48 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.72639 GHz | -45.83 dBm | -20.83 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.70321 GHz | -46.10 dBm | -21.10 dB |

Date: 19.DEC.2014 17:33:26

**16QAM(RB Size 1, RB Offset 0)**



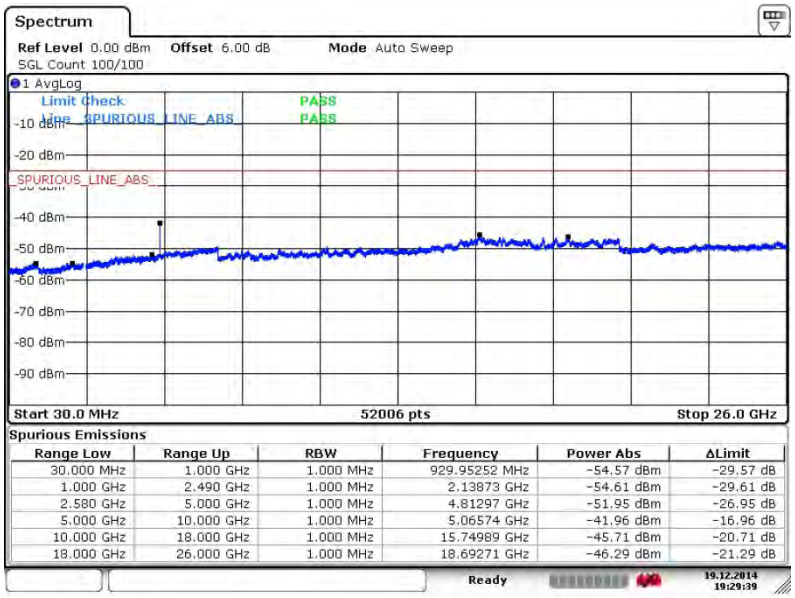

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 998.30335 MHz | -54.52 dBm | -29.52 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.11092 GHz | -54.52 dBm | -29.52 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99976 GHz | -51.59 dBm | -26.59 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.00075 GHz | -47.23 dBm | -22.23 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.75489 GHz | -45.53 dBm | -20.53 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.69721 GHz | -46.50 dBm | -21.50 dB |

Date: 19.DEC.2014 17:35:11

| Band : | LTE Band 7 | Channel : | CH21100 (Middle) |
|---|---|---|---|
| Band Width : | 5MHz | | |

**QPSK (RB Size 1, RB Offset 0)**

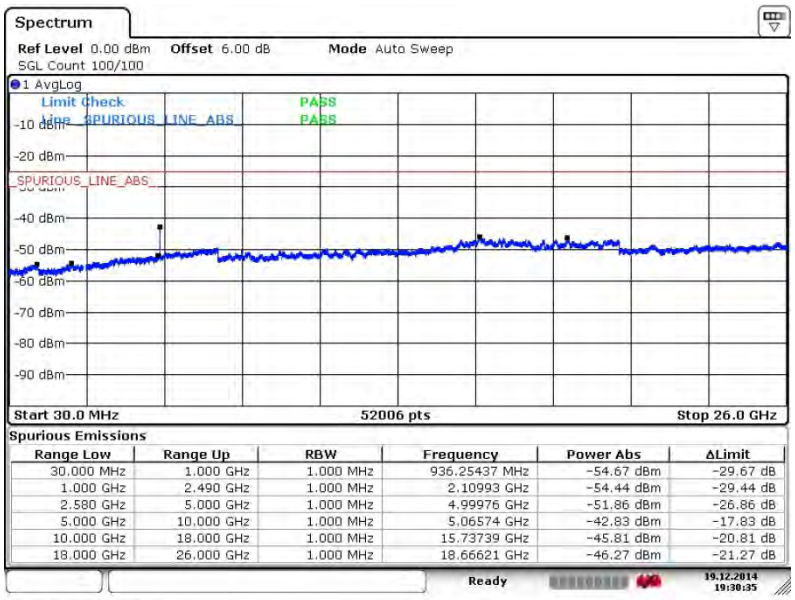



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 929.95252 MHz | -54.57 dBm | -29.57 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.13873 GHz | -54.61 dBm | -29.61 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.81297 GHz | -51.95 dBm | -26.95 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.06574 GHz | -41.96 dBm | -16.96 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.74989 GHz | -45.71 dBm | -20.71 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.69271 GHz | -46.29 dBm | -21.29 dB |

Date: 19.DEC.2014 19:29:39

**16QAM (RB Size 1, RB Offset 0)**



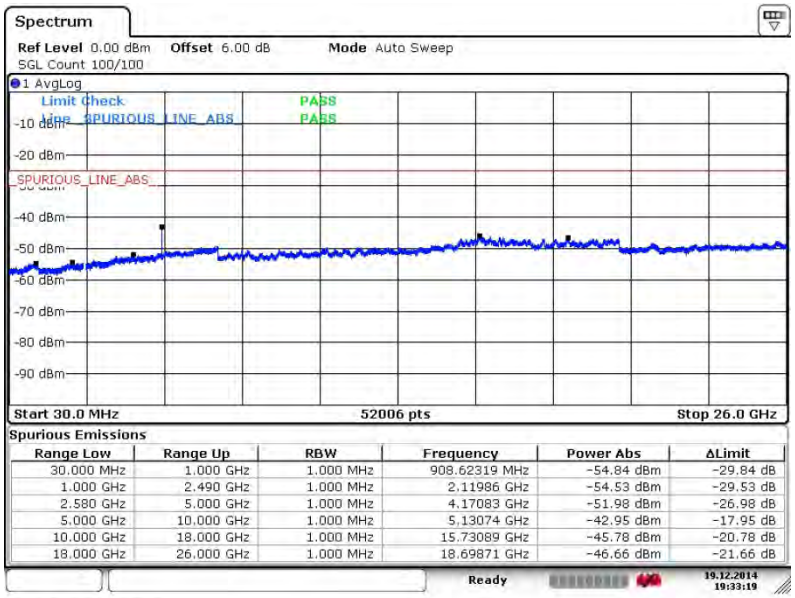

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 936.25437 MHz | -54.67 dBm | -29.67 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.10993 GHz | -54.44 dBm | -29.44 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.99976 GHz | -51.86 dBm | -26.86 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.06574 GHz | -42.83 dBm | -17.83 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.73739 GHz | -45.81 dBm | -20.81 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.66621 GHz | -46.27 dBm | -21.27 dB |

Date: 19.DEC.2014 19:30:35

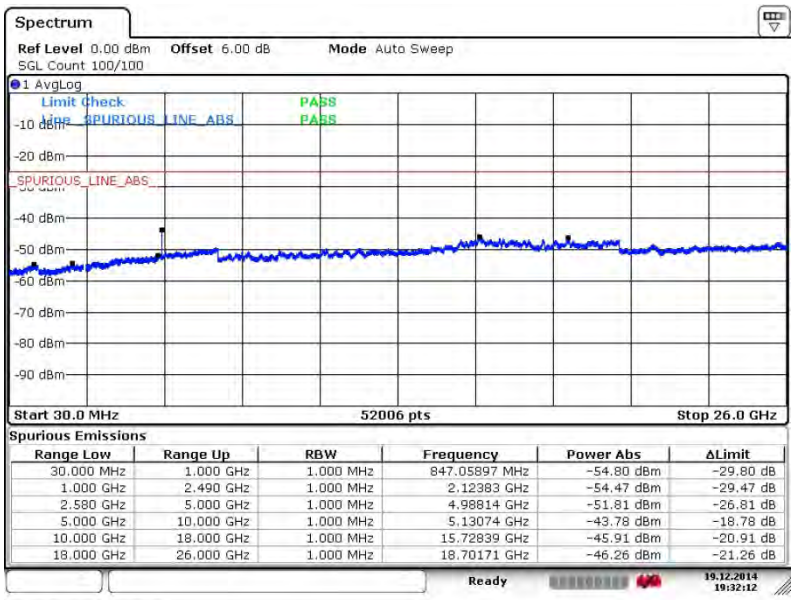
| Band : | LTE Band 7 | Channel : | CH21425 (High) |
|---|---|---|---|
| Band Width : | 5MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 19:33:19

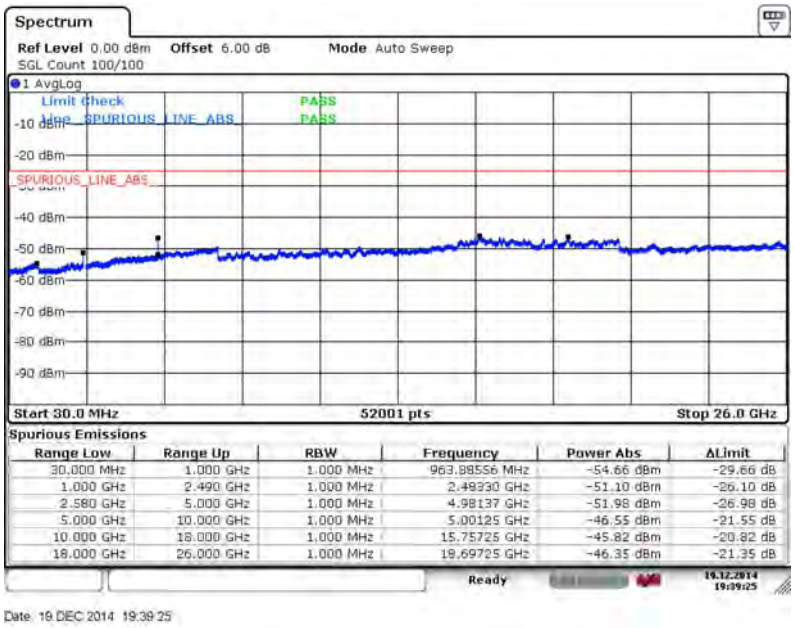
**16QAM (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 19:32:12

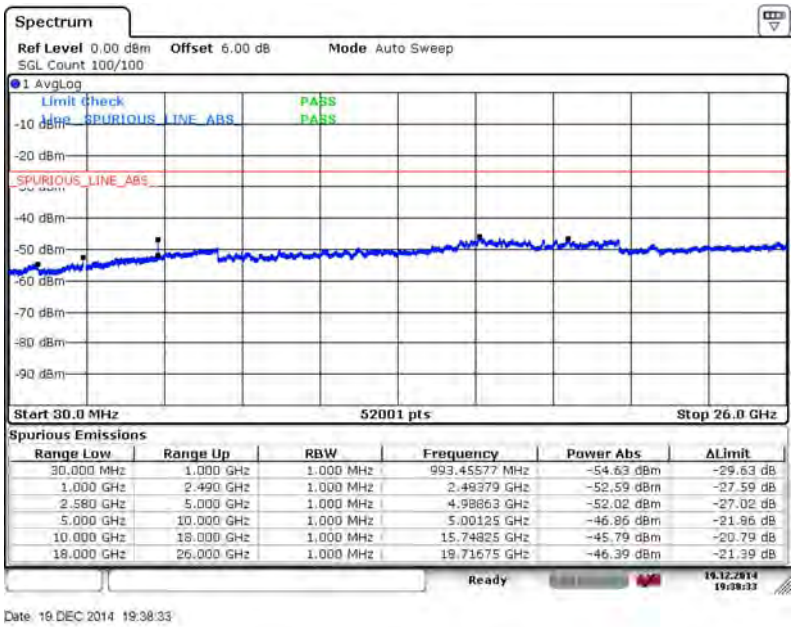
| Band : | LTE Band 7 | Channel : | CH20800 (Low) |
|---|---|---|---|
| Band Width : | 10MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19 DEC 2014 19:39:25

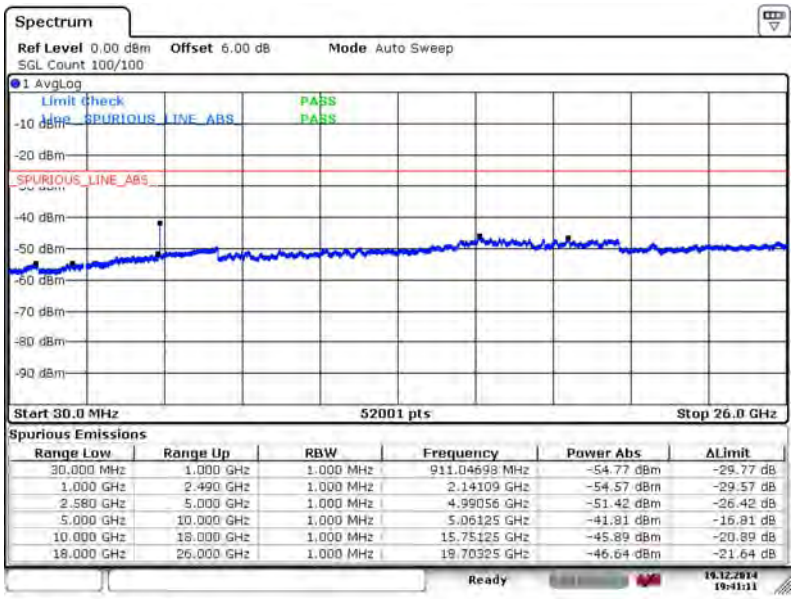
**16QAM (RB Size 1, RB Offset 0)**




Date: 19 DEC 2014 19:38:33

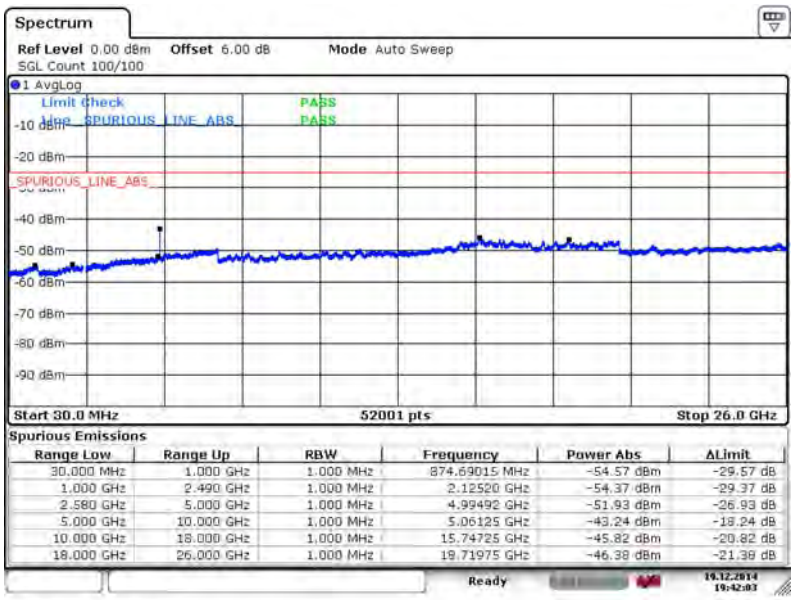
| Band : | LTE Band 7 | Channel : | CH21100 (Middle) |
|---|---|---|---|
| Band Width : | 10MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 19:41:11

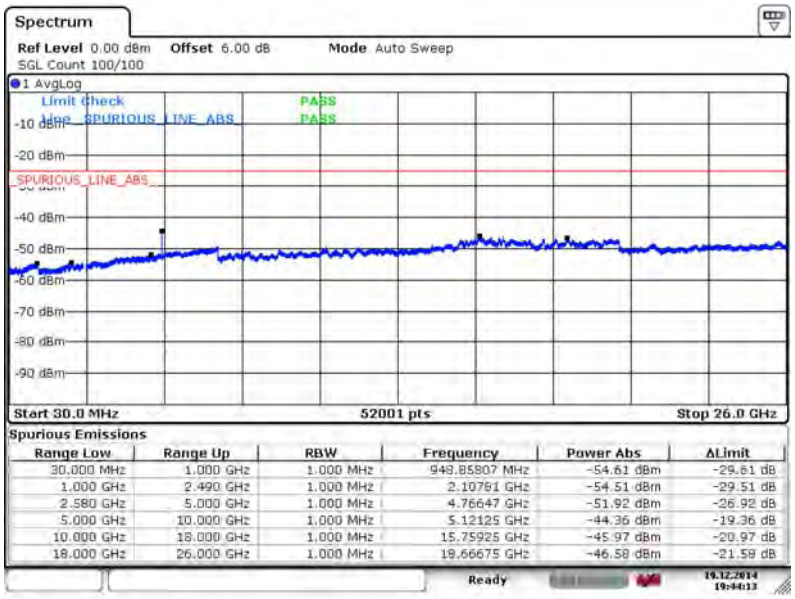
**16QAM (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 19:42:03

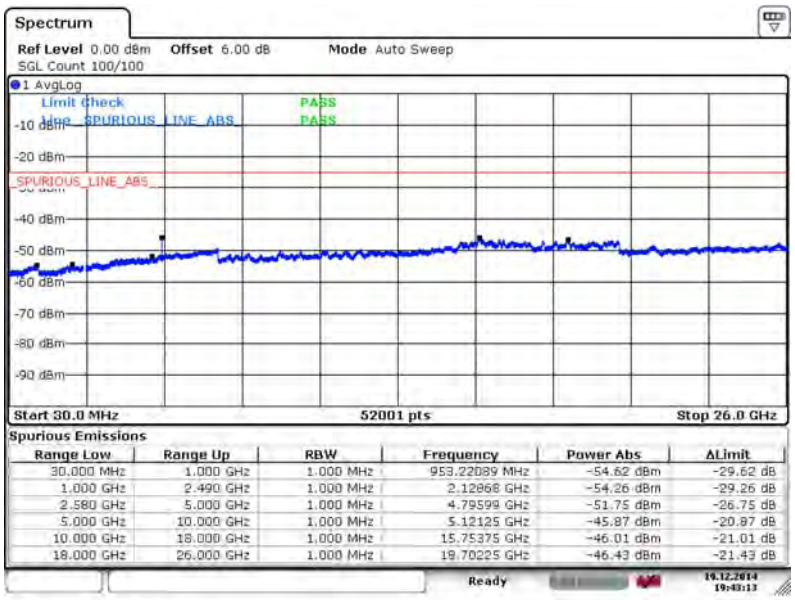
| Band : | LTE Band 7 | Channel : | CH21400 (High) |
|---|---|---|---|
| Band Width : | 10MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 19:44:13

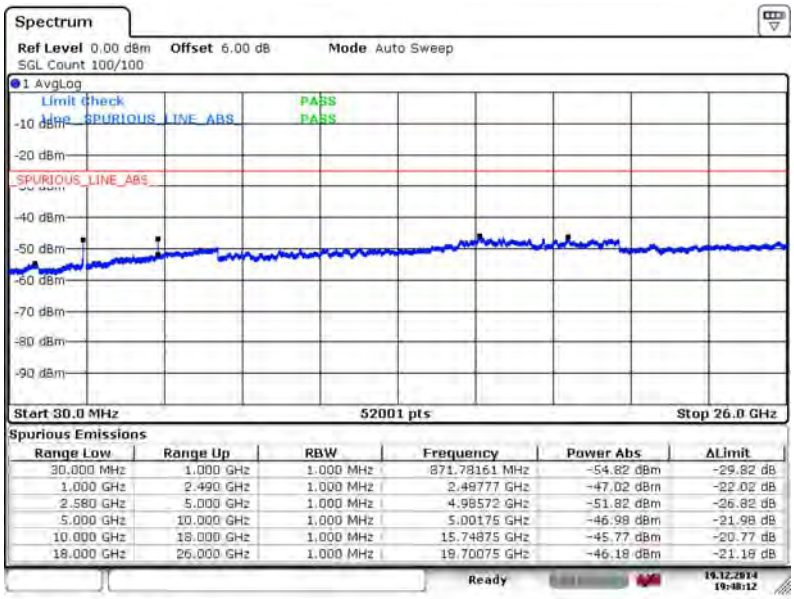
**16QAM (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 19:43:13

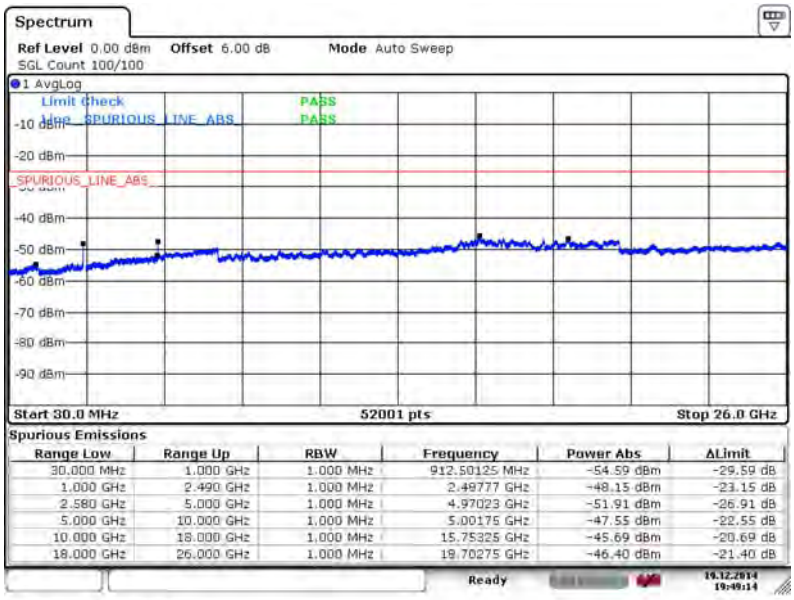
| Band : | LTE Band 7 | Channel : | CH20825 (Low) |
|---|---|---|---|
| Band Width : | 15MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 19:48:12

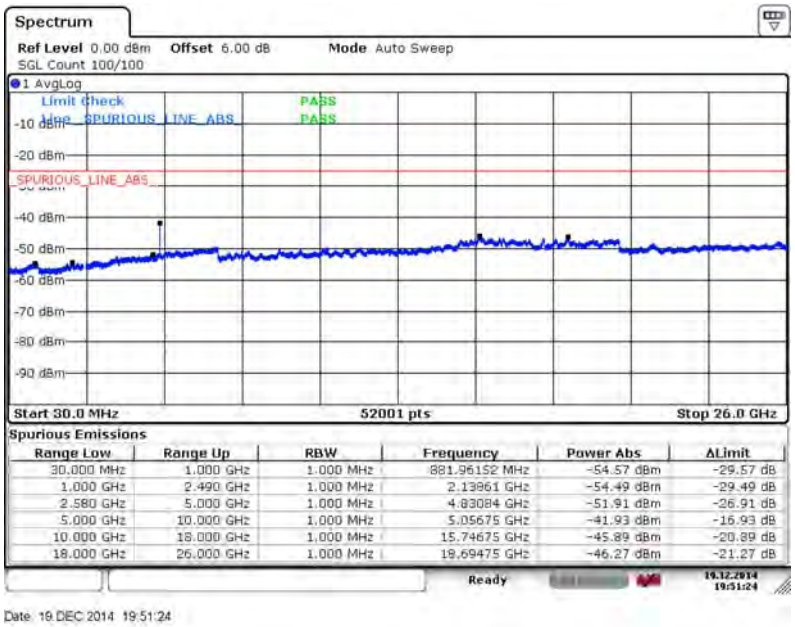
**16QAM (RB Size 1, RB Offset 0)**



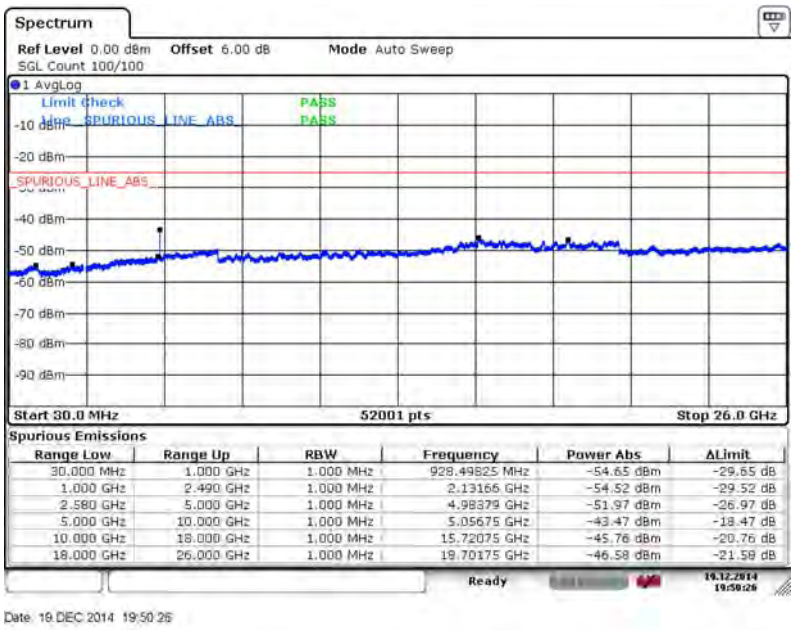

Date: 19.DEC.2014 19:49:14

| Band : | LTE Band 7 | Channel : | CH21100 (Middle) |
|---|---|---|---|
| Band Width : | 15MHz | | |

**QPSK (RB Size 1, RB Offset 0)**

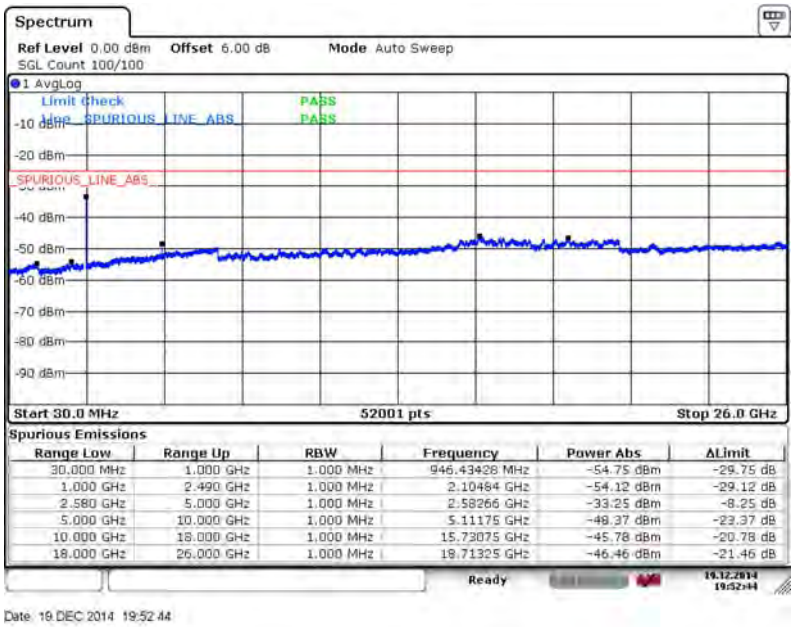



**16QAM (RB Size 1, RB Offset 0)**

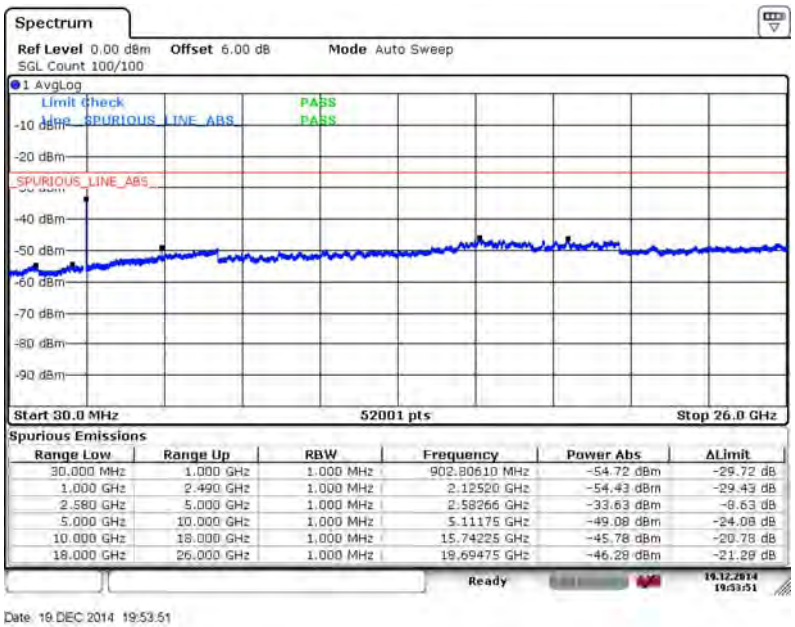


| Band : | LTE Band 7 | Channel : | CH21375 (High) |
|---|---|---|---|
| Band Width : | 15MHz | | |

**QPSK (RB Size 1, RB Offset 0)**

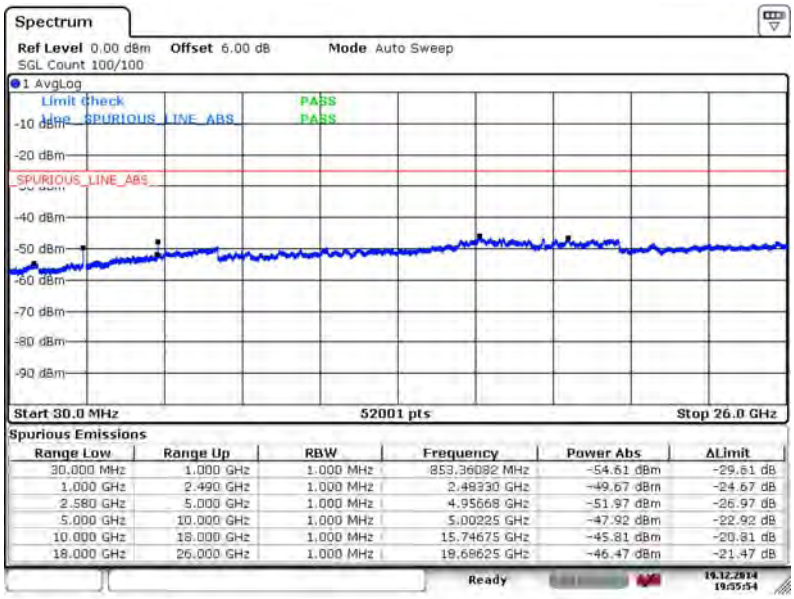



**16QAM (RB Size 1, RB Offset 0)**



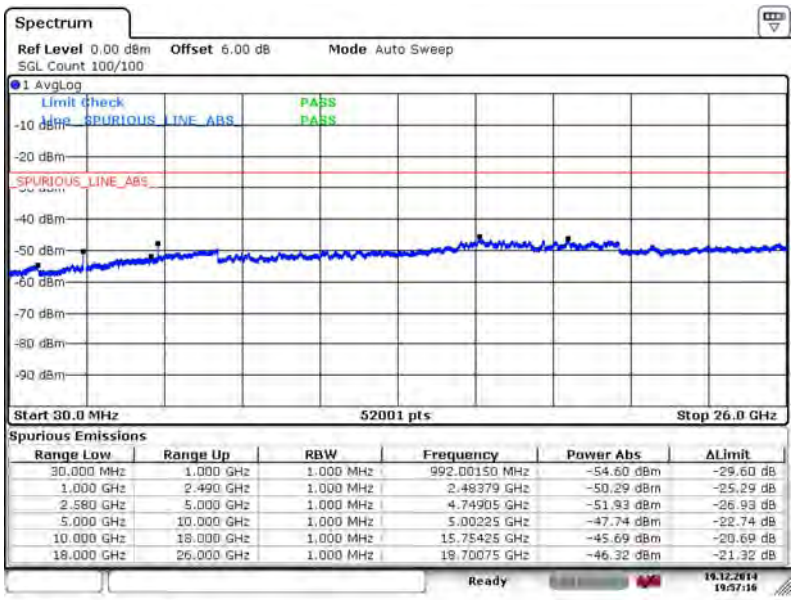
| Band : | LTE Band 7 | Channel : | CH20850 (Low) |
|---|---|---|---|
| Band Width : | 20MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 19:55:54

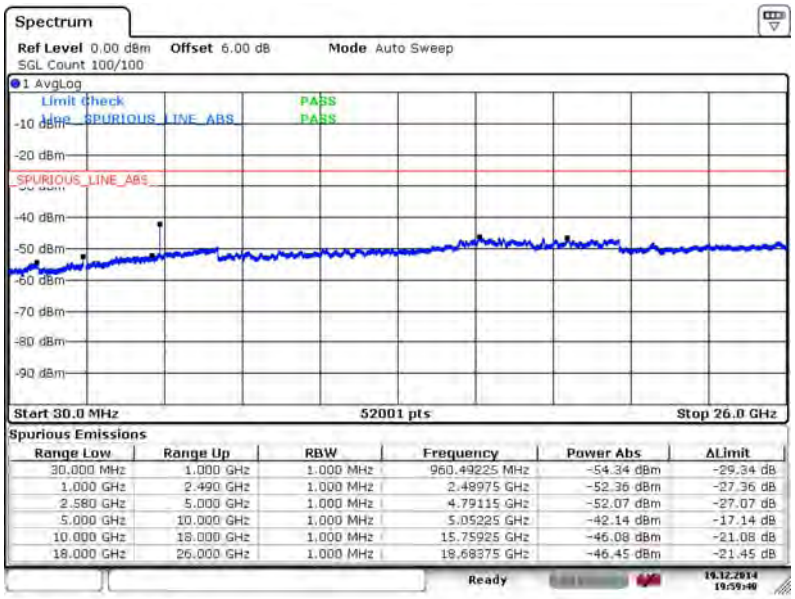
**16QAM (RB Size 1, RB Offset 0)**




Date: 19.DEC.2014 19:57:15

| Band : | LTE Band 7 | Channel : | CH21100 (Middle) |
|---|---|---|---|
| Band Width : | 20MHz | | |

**QPSK (RB Size 1, RB Offset 0)**

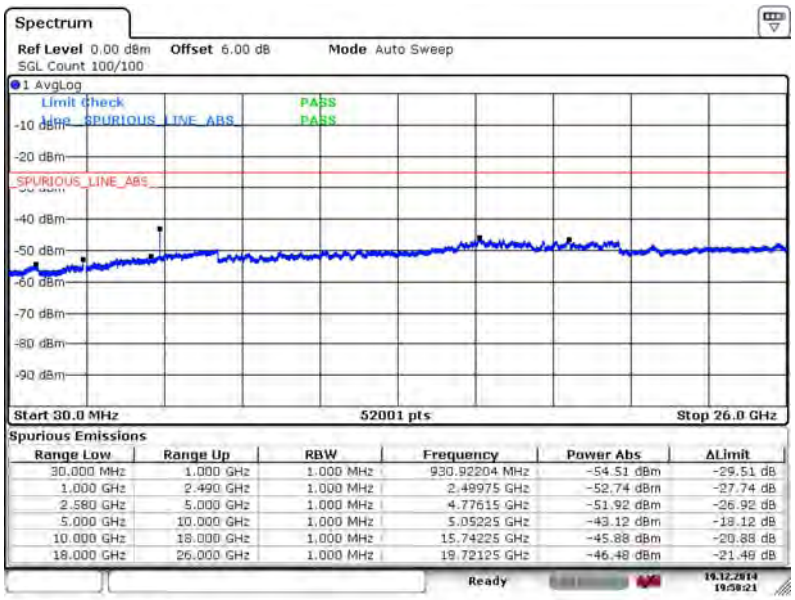



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 960.49225 MHz | -54.34 dBm | -29.34 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.49975 GHz | -52.36 dBm | -27.36 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.79115 GHz | -52.07 dBm | -27.07 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.05225 GHz | -42.14 dBm | -17.14 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.75925 GHz | -46.08 dBm | -21.08 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.68375 GHz | -46.45 dBm | -21.45 dB |

Date: 19.DEC.2014 19:59:39

**16QAM (RB Size 1, RB Offset 0)**



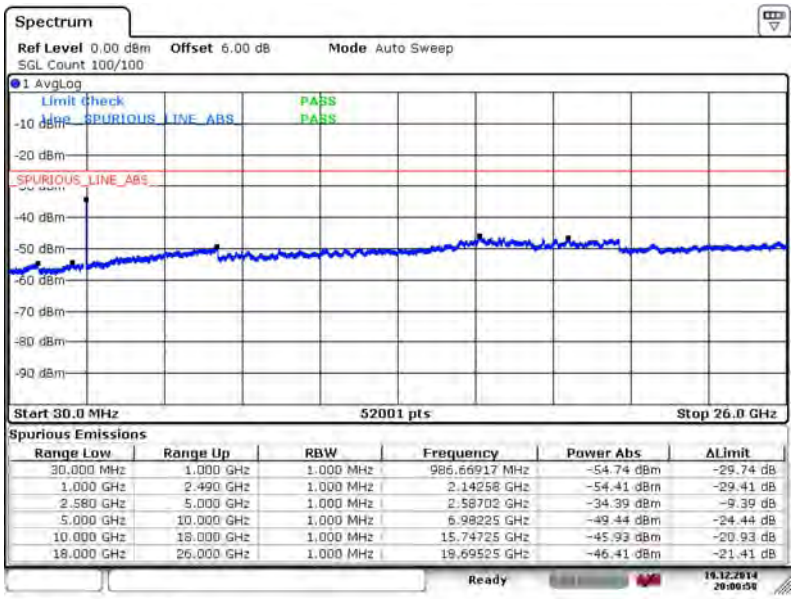

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 930.92204 MHz | -54.51 dBm | -29.51 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.49975 GHz | -52.74 dBm | -27.74 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.77615 GHz | -51.92 dBm | -26.92 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 5.05225 GHz | -43.12 dBm | -18.12 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.74225 GHz | -45.88 dBm | -20.88 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 19.72125 GHz | -46.48 dBm | -21.48 dB |

Date: 19.DEC.2014 19:58:21

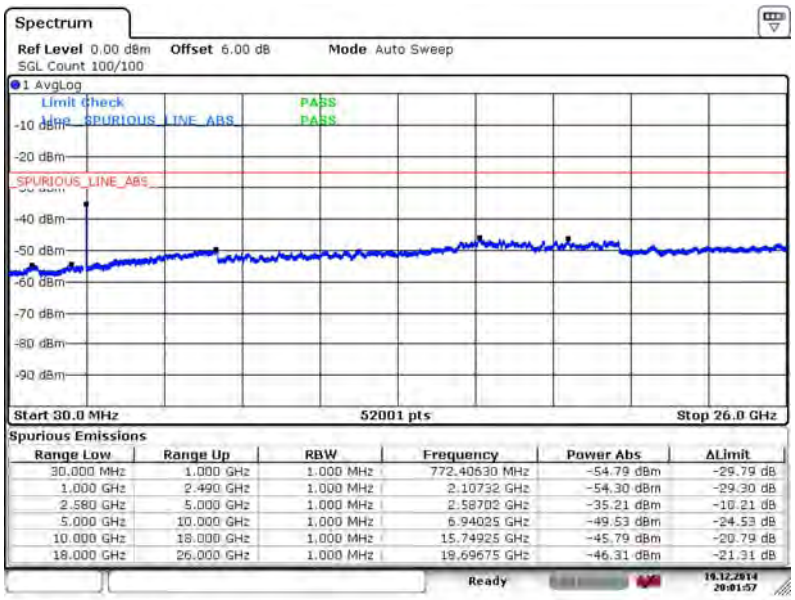
| Band : | LTE Band 7 | Channel : | CH21350 (High) |
|---|---|---|---|
| Band Width : | 20MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19 DEC 2014 20:00:58

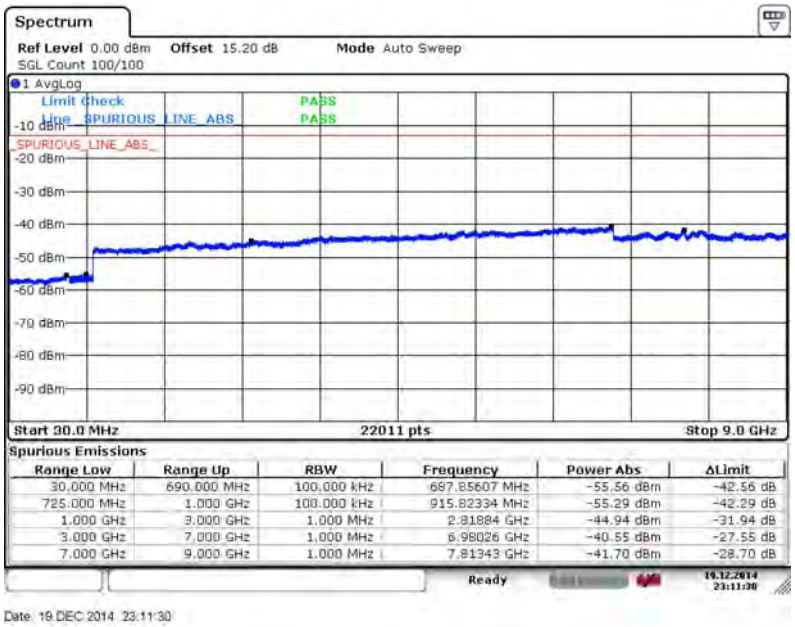
**16QAM (RB Size 1, RB Offset 0)**



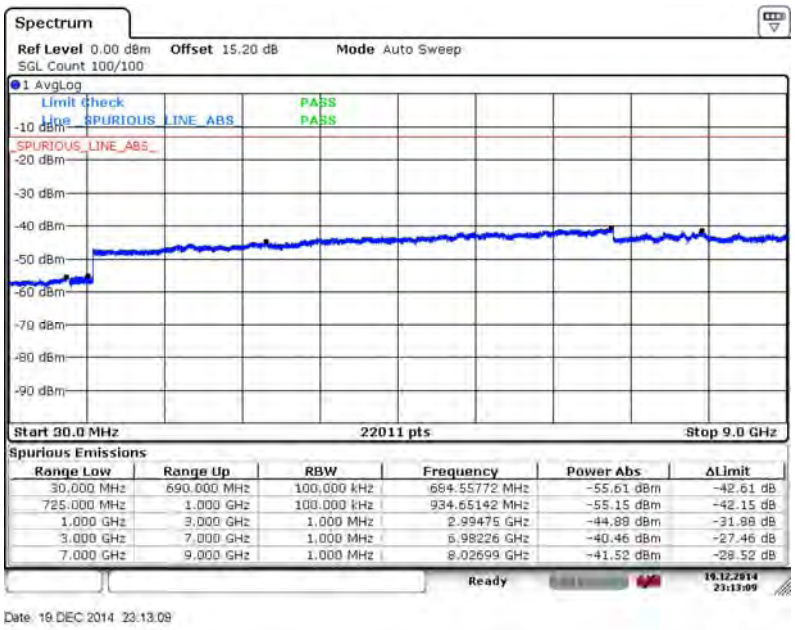

Date: 19 DEC 2014 20:01:56

| Band : | LTE Band 17 | Channel : | CH23755 (Low) |
|---|---|---|---|
| Band Width : | 5MHz | | |

**QPSK (RB Size 1, RB Offset 0)**

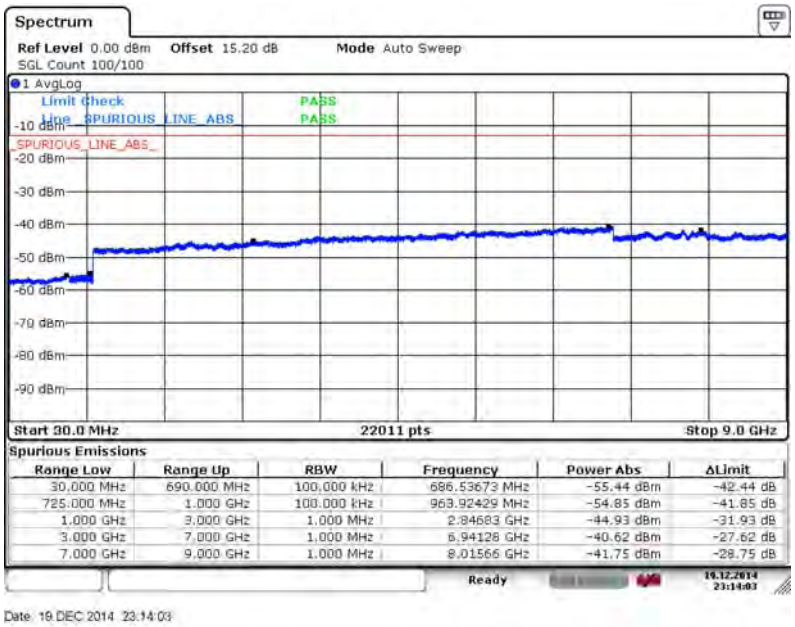



**16QAM (RB Size 1, RB Offset 0)**

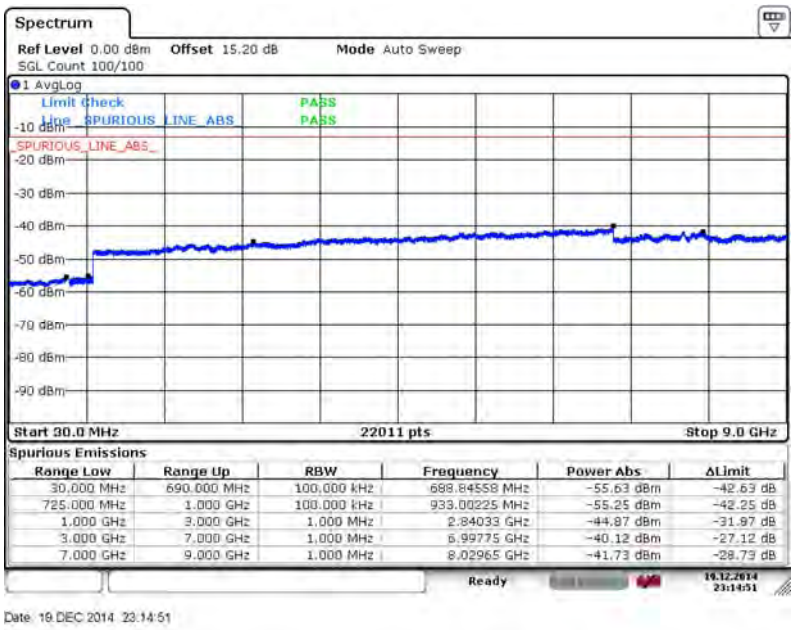


| Band : | LTE Band 17 | Channel : | CH23790 (Middle) |
|---|---|---|---|
| Band Width : | 5MHz | | |

**QPSK (RB Size 1, RB Offset 0)**

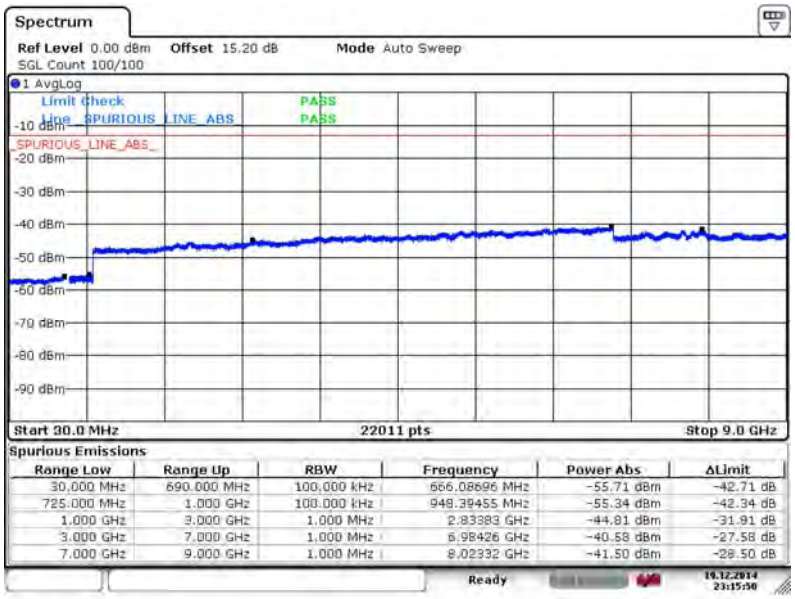



**16QAM (RB Size 1, RB Offset 0)**



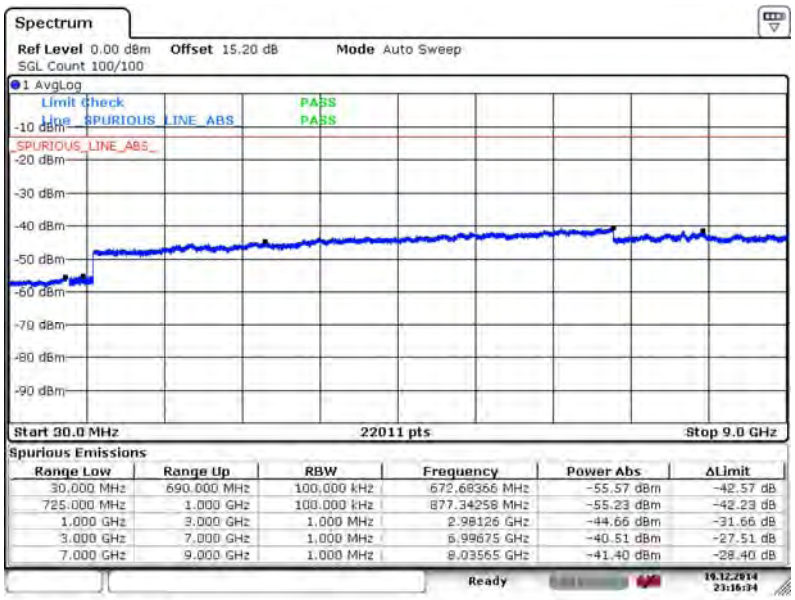
| Band : | LTE Band 17 | Channel : | CH23825 (High) |
|---|---|---|---|
| Band Width : | 5MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19 DEC 2014 23:15:50

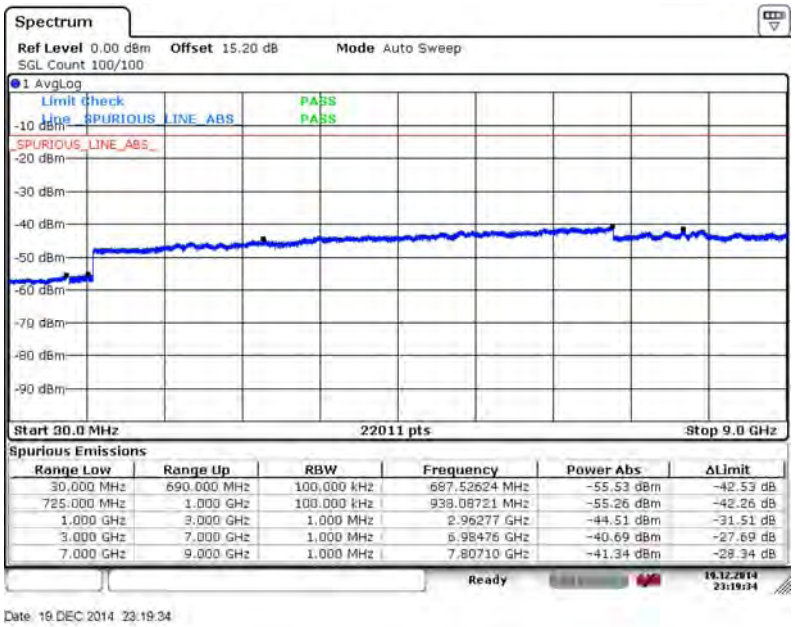
**16QAM (RB Size 1, RB Offset 0)**




Date: 19 DEC 2014 23:16:34

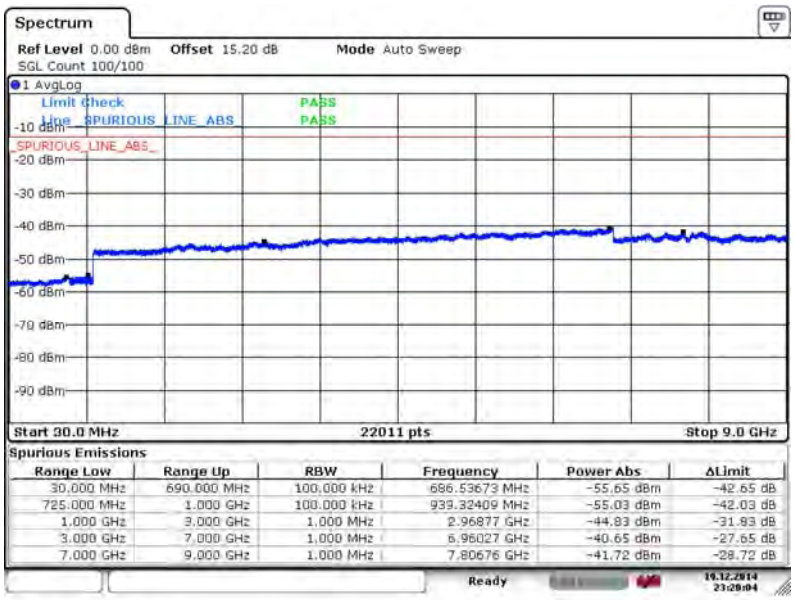
| Band : | LTE Band 17 | Channel : | CH23780 (Low) |
|---|---|---|---|
| Band Width : | 10MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




Date: 19 DEC 2014 23:19:34

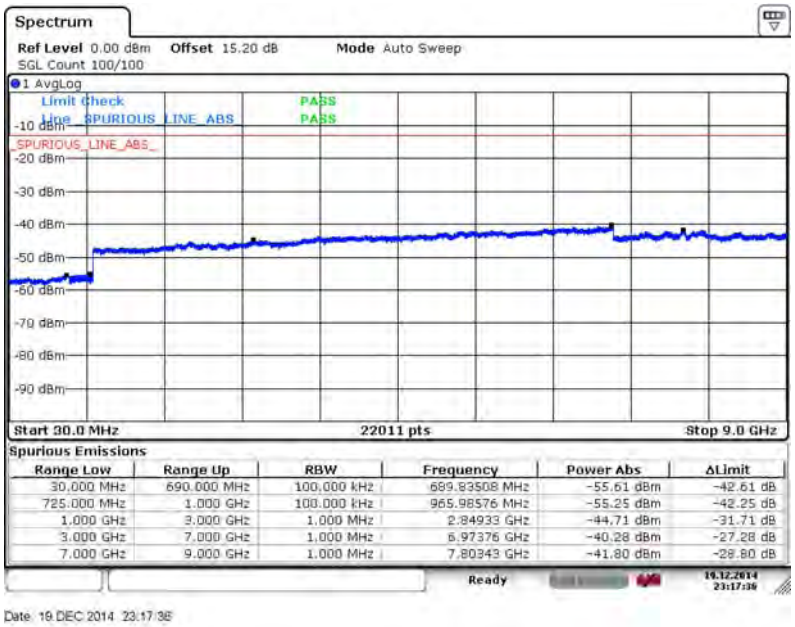
**16QAM (RB Size 1, RB Offset 0)**



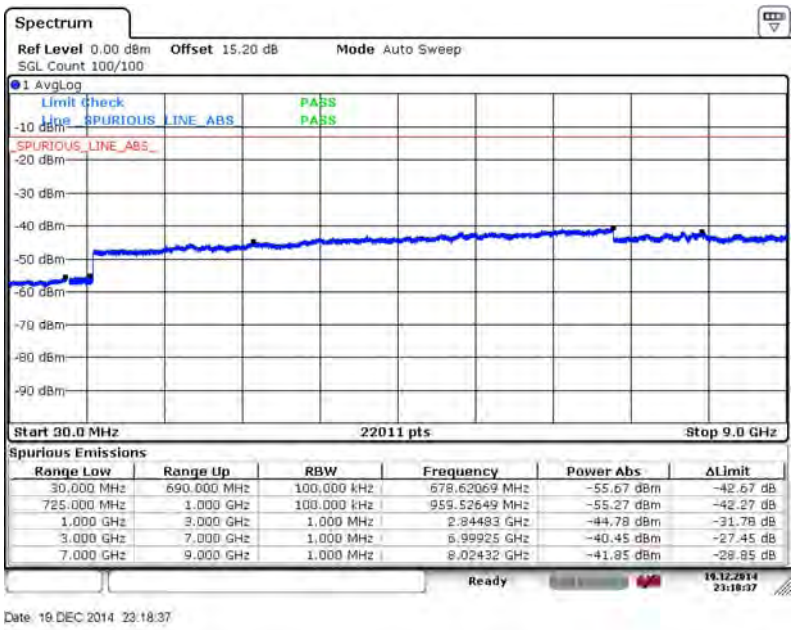

Date: 19 DEC 2014 23:20:03

| Band : | LTE Band 17 | Channel : | CH23790 (Middle) |
|---|---|---|---|
| Band Width : | 10MHz | | |

**QPSK (RB Size 1, RB Offset 0)**

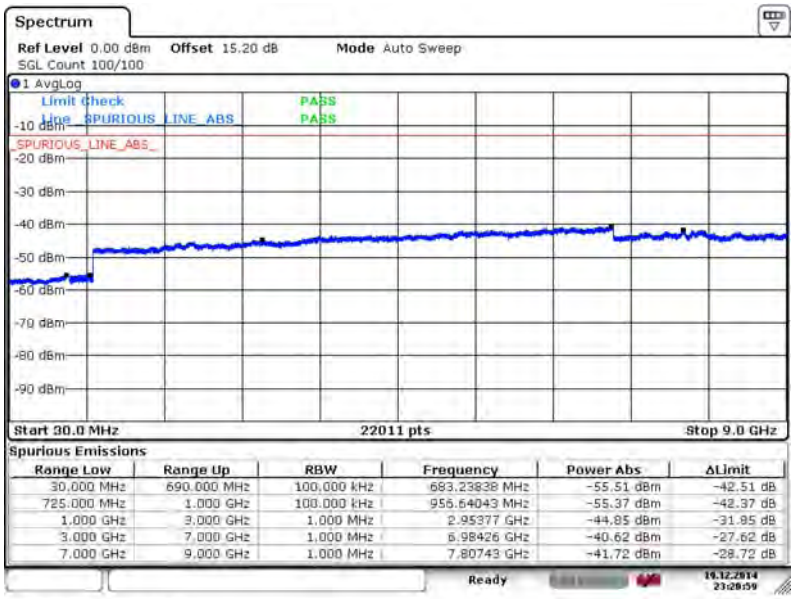



**16QAM (RB Size 1, RB Offset 0)**

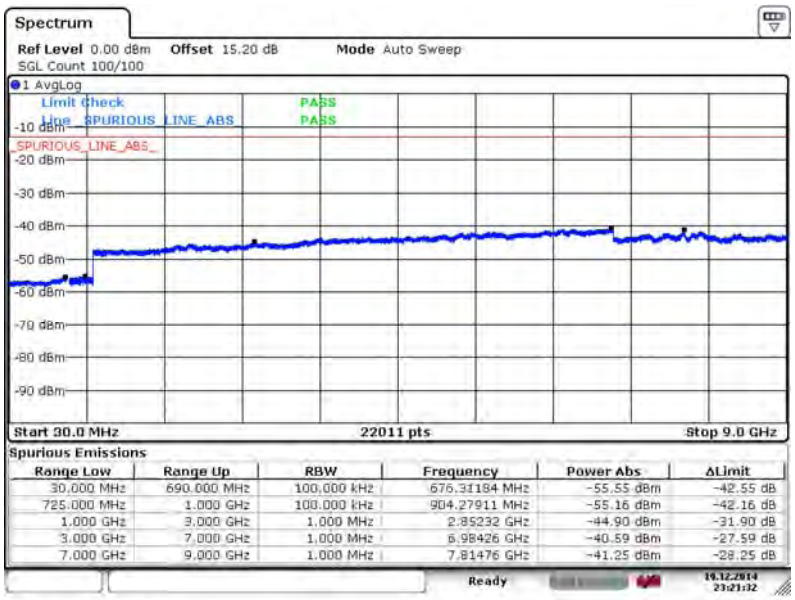


| Band : | LTE Band 17 | Channel : | CH23800 (High) |
|---|---|---|---|
| Band Width : | 10MHz | | |

**QPSK (RB Size 1, RB Offset 0)**




**16QAM (RB Size 1, RB Offset 0)**



## 3.7 Radiated Spurious Emission Measurement

### 3.7.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI / TIA / EIA-603-C-2004. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For Band 7

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

For LTE Band 17

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

### 3.7.2 Measuring Instruments

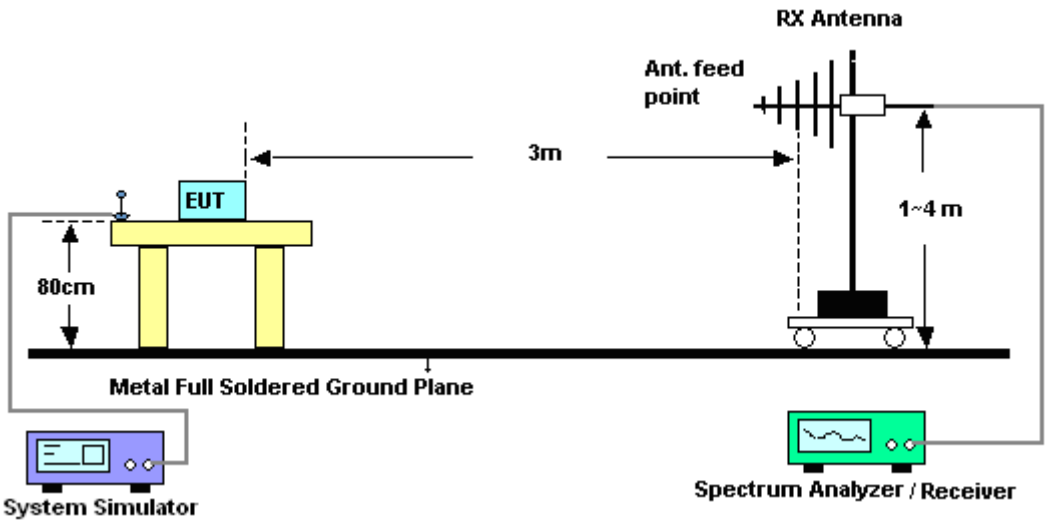
The measuring equipment is listed in the section 4 of this test report.

### 3.7.3 Test Procedures

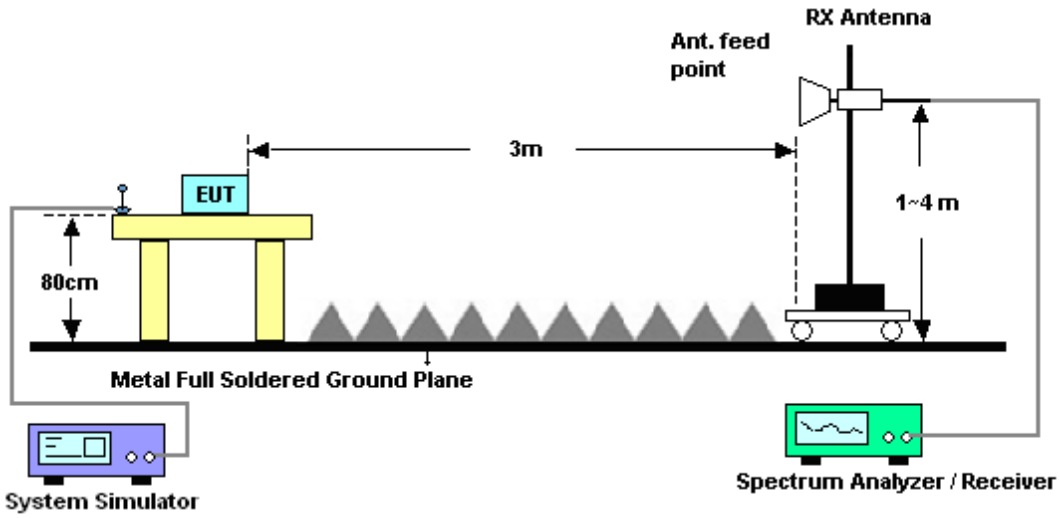
1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
    For Band 7:
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [55 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [55 + 10log(P)] (dB)
    = -25dBm.
11. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
12. ERP (dBm) = EIRP - 2.15

### 3.7.4 Test Setup

**For radiated emissions from 30MHz to 1GHz**




**For radiated emissions above 1GHz**



### 3.7.5 Test Result of Field Strength of Spurious Radiated

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 1.4MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18607 (Low) | **Frequency :** | 1850.7 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3699 | -57.73 | -13 | -44.73 | -64.72 | -61.31 | 3 | 6.58 | H | Pass |
| 5550 | -56.67 | -13 | -43.67 | -60.94 | -62.04 | 3.84 | 9.21 | H | Pass |
| 7401 | -53.82 | -13 | -40.82 | -61.78 | -60.49 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 1.4MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18607 (Low) | **Frequency :** | 1850.7 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3699 | -60.16 | -13 | -47.16 | -64.24 | -63.73 | 3 | 6.58 | V | Pass |
| 5550 | -55.39 | -13 | -42.39 | -61.62 | -60.76 | 3.84 | 9.21 | V | Pass |
| 7401 | -54.43 | -13 | -41.43 | -61.49 | -61.10 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 1.4MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18900 (Middle) | **Frequency :** | 1880 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3759 | -53.51 | -13 | -40.51 | -62.62 | -57.09 | 3 | 6.58 | H | Pass |
| 5637 | -56.57 | -13 | -43.57 | -60.84 | -61.94 | 3.84 | 9.21 | H | Pass |
| 7518 | -50.72 | -13 | -37.72 | -60.16 | -57.39 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 1.4MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18900 (Middle) | **Frequency :** | 1880 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3759 | -60.00 | -13 | -47.00 | -64.08 | -63.57 | 3 | 6.58 | V | Pass |
| 5637 | -54.73 | -13 | -41.73 | -60.96 | -60.10 | 3.84 | 9.21 | V | Pass |
| 7518 | -51.58 | -13 | -38.58 | -60.4 | -58.26 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 1.4MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19193 (High) | **Frequency :** | 1909.3 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3816 | -54.96 | -13 | -41.96 | -63.28 | -58.54 | 3 | 6.58 | H | Pass |
| 5727 | -52.67 | -13 | -39.67 | -59.14 | -58.04 | 3.84 | 9.21 | H | Pass |
| 7635 | -51.90 | -13 | -38.90 | -60.85 | -58.57 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 1.4MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19193 (High) | **Frequency :** | 1909.3 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3819 | -57.35 | -13 | -44.35 | -63.47 | -60.93 | 3 | 6.58 | V | Pass |
| 5725 | -54.32 | -13 | -41.32 | -60.55 | -59.69 | 3.84 | 9.21 | V | Pass |
| 7635 | -54.07 | -13 | -41.07 | -61.23 | -60.74 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18615 (Low) | **Frequency :** | 1851.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3699 | -57.19 | -13 | -44.19 | -64.18 | -60.77 | 3 | 6.58 | H | Pass |
| 5550 | -57.20 | -13 | -44.20 | -61.47 | -62.57 | 3.84 | 9.21 | H | Pass |
| 7401 | -52.63 | -13 | -39.63 | -61.22 | -59.30 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18615 (Low) | **Frequency :** | 1851.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3699 | -57.81 | -13 | -44.81 | -63.69 | -61.39 | 3 | 6.58 | V | Pass |
| 5550 | -55.80 | -13 | -42.80 | -62.03 | -61.17 | 3.84 | 9.21 | V | Pass |
| 7401 | -54.77 | -13 | -41.77 | -61.93 | -61.44 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18900 (Middle) | **Frequency :** | 1880 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3756 | -55.93 | -13 | -42.93 | -63.55 | -59.50 | 3 | 6.58 | H | Pass |
| 5637 | -53.64 | -13 | -40.64 | -59.49 | -59.00 | 3.84 | 9.21 | H | Pass |
| 7515 | -54.02 | -13 | -41.02 | -61.88 | -60.69 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18900 (Middle) | **Frequency :** | 1880 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3756 | -56.40 | -13 | -43.40 | -62.83 | -59.98 | 3 | 6.58 | V | Pass |
| 5634 | -55.60 | -13 | -42.60 | -61.83 | -60.97 | 3.84 | 9.21 | V | Pass |
| 7515 | -55.19 | -13 | -42.19 | -62.35 | -61.86 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19185 (High) | **Frequency :** | 1908.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3813 | -56.05 | -13 | -43.05 | -63.59 | -59.63 | 3 | 6.58 | H | Pass |
| 5721 | -57.48 | -13 | -44.48 | -61.75 | -62.85 | 3.84 | 9.21 | H | Pass |
| 7629 | -52.16 | -13 | -39.16 | -60.99 | -58.83 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19185 (High) | **Frequency :** | 1908.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3814 | -60.51 | -13 | -47.51 | -64.59 | -64.08 | 3 | 6.58 | V | Pass |
| 5721 | -56.21 | -13 | -43.21 | -62.44 | -61.58 | 3.84 | 9.21 | V | Pass |
| 7629 | -54.35 | -13 | -41.35 | -61.51 | -61.02 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18625 (Low) | **Frequency :** | 1852.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3699 | -59.62 | -13 | -46.62 | -66.61 | -63.20 | 3 | 6.58 | H | Pass |
| 5550 | -58.24 | -13 | -45.24 | -62.51 | -63.61 | 3.84 | 9.21 | H | Pass |
| 7401 | -53.17 | -13 | -40.17 | -61.48 | -59.84 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18625 (Low) | **Frequency :** | 1852.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3699 | -62.51 | -13 | -49.51 | -66.59 | -66.08 | 3 | 6.58 | V | Pass |
| 5550 | -55.92 | -13 | -42.92 | -62.15 | -61.29 | 3.84 | 9.21 | V | Pass |
| 7401 | -53.65 | -13 | -40.65 | -61.06 | -60.32 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18900 (Middle) | **Frequency :** | 1880 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3756 | -50.97 | -13 | -37.97 | -61.88 | -54.55 | 3 | 6.58 | H | Pass |
| 5640 | -52.55 | -13 | -39.55 | -59.07 | -57.92 | 3.84 | 9.21 | H | Pass |
| 7509 | -51.55 | -13 | -38.55 | -60.64 | -58.22 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18900 (Middle) | **Frequency :** | 1880 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3750 | -61.42 | -13 | -48.42 | -65.5 | -64.99 | 3 | 6.58 | V | Pass |
| 5625 | -54.48 | -13 | -41.48 | -60.71 | -59.85 | 3.84 | 9.21 | V | Pass |
| 7500 | -54.55 | -13 | -41.55 | -61.71 | -61.22 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19175 (High) | **Frequency :** | 1907.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3810 | -56.14 | -13 | -43.14 | -63.63 | -59.72 | 3 | 6.58 | H | Pass |
| 5715 | -56.23 | -13 | -43.23 | -60.50 | -61.60 | 3.84 | 9.21 | H | Pass |
| 7620 | -55.46 | -13 | -42.46 | -63.32 | -62.13 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19175 (High) | **Frequency :** | 1907.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3810 | -60.76 | -13 | -47.76 | -64.84 | -64.33 | 3 | 6.58 | V | Pass |
| 5715 | -55.26 | -13 | -42.26 | -61.49 | -60.63 | 3.84 | 9.21 | V | Pass |
| 7620 | -55.75 | -13 | -42.75 | -62.91 | -62.42 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18650 (Low) | **Frequency :** | 1855 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3699 | -57.58 | -13 | -44.58 | -64.57 | -61.16 | 3 | 6.58 | H | Pass |
| 5550 | -57.44 | -13 | -44.44 | -61.71 | -62.81 | 3.84 | 9.21 | H | Pass |
| 7401 | -51.60 | -13 | -38.60 | -60.67 | -58.27 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18650 (Low) | **Frequency :** | 1855 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3702 | -57.25 | -13 | -44.25 | -63.42 | -60.82 | 3 | 6.58 | V | Pass |
| 5550 | -55.73 | -13 | -42.73 | -61.96 | -61.10 | 3.84 | 9.21 | V | Pass |
| 7401 | -53.65 | -13 | -40.65 | -61.06 | -60.32 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18900 (Middle) | **Frequency :** | 1880 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3750 | -53.06 | -13 | -40.06 | -62.48 | -56.64 | 3 | 6.58 | H | Pass |
| 5625 | -57.08 | -13 | -44.08 | -61.35 | -62.45 | 3.84 | 9.21 | H | Pass |
| 7500 | -52.44 | -13 | -39.44 | -61.13 | -59.12 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18900 (Middle) | **Frequency :** | 1880 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3750 | -60.45 | -13 | -47.45 | -64.53 | -64.02 | 3 | 6.58 | V | Pass |
| 5625 | -55.57 | -13 | -42.57 | -61.8 | -60.94 | 3.84 | 9.21 | V | Pass |
| 7500 | -53.48 | -13 | -40.48 | -61.01 | -60.15 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19150 (High) | **Frequency :** | 1905 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3801 | -56.29 | -13 | -43.29 | -63.69 | -59.86 | 3 | 6.58 | H | Pass |
| 5700 | -56.72 | -13 | -43.72 | -60.99 | -62.09 | 3.84 | 9.21 | H | Pass |
| 7599 | -53.87 | -13 | -40.87 | -61.80 | -60.54 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19150 (High) | **Frequency :** | 1905 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3801 | -60.43 | -13 | -47.43 | -64.51 | -64.00 | 3 | 6.58 | V | Pass |
| 5700 | -54.44 | -13 | -41.44 | -60.67 | -59.81 | 3.84 | 9.21 | V | Pass |
| 7599 | -54.16 | -13 | -41.16 | -61.32 | -60.83 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18675 (Low) | **Frequency :** | 1857.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3702 | -56.55 | -13 | -43.55 | -63.80 | -60.13 | 3 | 6.58 | H | Pass |
| 5541 | -56.63 | -13 | -43.63 | -60.90 | -62.00 | 3.84 | 9.21 | H | Pass |
| 7401 | -50.31 | -13 | -37.31 | -59.95 | -56.98 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18675 (Low) | **Frequency :** | 1857.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3699 | -60.79 | -13 | -47.79 | -64.87 | -64.36 | 3 | 6.58 | V | Pass |
| 5556 | -54.41 | -13 | -41.41 | -60.64 | -59.78 | 3.84 | 9.21 | V | Pass |
| 7401 | -54.17 | -13 | -41.17 | -61.33 | -60.84 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18900 (Middle) | **Frequency :** | 1880 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3747 | -54.32 | -13 | -41.32 | -62.94 | -57.90 | 3 | 6.58 | H | Pass |
| 5617.5 | -57.36 | -13 | -44.36 | -61.63 | -62.73 | 3.84 | 9.21 | H | Pass |
| 7491 | -53.47 | -13 | -40.47 | -61.62 | -60.15 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18900 (Middle) | **Frequency :** | 1880 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3747 | -57.16 | -13 | -44.16 | -63.38 | -60.74 | 3 | 6.58 | V | Pass |
| 5616 | -55.07 | -13 | -42.07 | -61.3 | -60.44 | 3.84 | 9.21 | V | Pass |
| 7494 | -51.94 | -13 | -38.94 | -60.6 | -58.61 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19125 (High) | **Frequency :** | 1902.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3789 | -58.25 | -13 | -45.25 | -65.24 | -61.83 | 3 | 6.58 | H | Pass |
| 5685 | -57.12 | -13 | -44.12 | -61.39 | -62.49 | 3.84 | 9.21 | H | Pass |
| 7581 | -55.04 | -13 | -42.04 | -62.90 | -61.71 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19125 (High) | **Frequency :** | 1902.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3789 | -61.62 | -13 | -48.62 | -65.7 | -65.19 | 3 | 6.58 | V | Pass |
| 5700 | -55.04 | -13 | -42.04 | -61.27 | -60.41 | 3.84 | 9.21 | V | Pass |
| 7599 | -54.91 | -13 | -41.91 | -62.07 | -61.58 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18700 (Low) | **Frequency :** | 1860 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3702 | -53.29 | -13 | -40.29 | -62.55 | -56.86 | 3 | 6.58 | H | Pass |
| 5556 | -56.49 | -13 | -43.49 | -60.76 | -61.86 | 3.84 | 9.21 | H | Pass |
| 7401 | -51.90 | -13 | -38.90 | -60.85 | -58.57 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18700 (Low) | **Frequency :** | 1860 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3702 | -59.16 | -13 | -46.16 | -63.98 | -62.74 | 3 | 6.58 | V | Pass |
| 5550 | -55.38 | -13 | -42.38 | -61.61 | -60.75 | 3.84 | 9.21 | V | Pass |
| 7401 | -51.96 | -13 | -38.96 | -60.61 | -58.63 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18900 (Middle) | **Frequency :** | 1880 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3741 | -55.15 | -13 | -42.15 | -63.34 | -58.73 | 3 | 6.58 | H | Pass |
| 5610 | -57.44 | -13 | -44.44 | -61.71 | -62.81 | 3.84 | 9.21 | H | Pass |
| 7479 | -52.75 | -13 | -39.75 | -61.28 | -59.42 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 18900 (Middle) | **Frequency :** | 1880 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3741 | -57.04 | -13 | -44.04 | -63.32 | -60.62 | 3 | 6.58 | V | Pass |
| 5610 | -55.08 | -13 | -42.08 | -61.31 | -60.45 | 3.84 | 9.21 | V | Pass |
| 7479 | -54.86 | -13 | -41.86 | -62.02 | -61.53 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19100 (High) | **Frequency :** | 1900 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3780 | -57.94 | -13 | -44.94 | -64.93 | -61.52 | 3 | 6.58 | H | Pass |
| 5676 | -55.27 | -13 | -42.27 | -59.90 | -60.64 | 3.84 | 9.21 | H | Pass |
| 7557 | -52.44 | -13 | -39.44 | -61.13 | -59.12 | 4.43 | 11.10 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19100 (High) | **Frequency :** | 1900 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3783 | -60.69 | -13 | -47.69 | -64.77 | -64.26 | 3 | 6.58 | V | Pass |
| 5670 | -55.21 | -13 | -42.21 | -61.44 | -60.58 | 3.84 | 9.21 | V | Pass |
| 7560 | -55.38 | -13 | -42.38 | -62.54 | -62.05 | 4.43 | 11.10 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 1.4MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19957 (Low) | **Frequency :** | 1710.7 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3420 | -56.48 | -13 | -43.48 | -63.74 | -59.84 | 3.12 | 6.49 | H | Pass |
| 5130 | -56.89 | -13 | -43.89 | -62.81 | -61.87 | 3.65 | 8.64 | H | Pass |
| 6840 | -49.78 | -13 | -36.78 | -61.42 | -56.35 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 1.4MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19957 (Low) | **Frequency :** | 1710.7 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3420 | -54.60 | -13 | -41.60 | -61.43 | -57.97 | 3.12 | 6.49 | V | Pass |
| 5133 | -50.21 | -13 | -37.21 | -58.35 | -55.19 | 3.65 | 8.64 | V | Pass |
| 6840 | -50.94 | -13 | -37.94 | -60.7 | -57.51 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 1.4MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20175 (Middle) | **Frequency :** | 1732.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3465 | -55.63 | -13 | -42.63 | -62.89 | -58.99 | 3.12 | 6.49 | H | Pass |
| 5195.4 | -55.99 | -13 | -42.99 | -61.91 | -60.97 | 3.65 | 8.64 | H | Pass |
| 6927 | -50.74 | -13 | -37.74 | -62.38 | -57.31 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 1.4MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20175 (Middle) | **Frequency :** | 1732.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3462 | -56.40 | -13 | -43.40 | -62.53 | -59.77 | 3.12 | 6.49 | V | Pass |
| 5196 | -57.67 | -13 | -44.67 | -61.07 | -62.65 | 3.65 | 8.64 | V | Pass |
| 6927 | -52.75 | -13 | -39.75 | -62.51 | -59.32 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 1.4MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20393 (High) | **Frequency :** | 1754.3 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3507 | -57.61 | -13 | -44.61 | -64.87 | -60.97 | 3.12 | 6.49 | H | Pass |
| 5670 | -55.00 | -13 | -42.00 | -60.92 | -59.98 | 3.65 | 8.64 | H | Pass |
| 7014 | -50.39 | -13 | -37.39 | -62.03 | -56.96 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 1.4MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20393 (High) | **Frequency :** | 1754.3 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3507 | -56.90 | -13 | -43.90 | -62.79 | -60.27 | 3.12 | 6.49 | V | Pass |
| 5760 | -57.49 | -13 | -44.49 | -60.89 | -62.47 | 3.65 | 8.64 | V | Pass |
| 7014 | -51.23 | -13 | -38.23 | -60.99 | -57.80 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19965 (Low) | **Frequency :** | 1711.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3420 | -56.34 | -13 | -43.34 | -63.60 | -59.70 | 3.12 | 6.49 | H | Pass |
| 5130 | -56.35 | -13 | -43.35 | -62.27 | -61.33 | 3.65 | 8.64 | H | Pass |
| 6840 | -49.79 | -13 | -36.79 | -61.43 | -56.36 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19965 (Low) | **Frequency :** | 1711.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3420 | -53.57 | -13 | -40.57 | -60.94 | -56.94 | 3.12 | 6.49 | V | Pass |
| 5130 | -54.11 | -13 | -41.11 | -59.69 | -59.09 | 3.65 | 8.64 | V | Pass |
| 6840 | -51.58 | -13 | -38.58 | -61.34 | -58.15 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20175 (Middle) | **Frequency :** | 1732.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3762 | -58.78 | -13 | -45.78 | -66.04 | -62.14 | 3.12 | 6.49 | H | Pass |
| 5193 | -55.32 | -13 | -42.32 | -61.24 | -60.30 | 3.65 | 8.64 | H | Pass |
| 6924 | -50.93 | -13 | -37.93 | -62.57 | -57.50 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20175 (Middle) | **Frequency :** | 1732.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3462 | -56.67 | -13 | -43.67 | -62.67 | -60.04 | 3.12 | 6.49 | V | Pass |
| 5193 | -58.37 | -13 | -45.37 | -61.77 | -63.35 | 3.65 | 8.64 | V | Pass |
| 6924 | -51.82 | -13 | -38.82 | -61.58 | -58.39 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20385 (High) | **Frequency :** | 1753.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3504 | -58.23 | -13 | -45.23 | -65.49 | -61.59 | 3.12 | 6.49 | H | Pass |
| 5256 | -57.54 | -13 | -44.54 | -63.46 | -62.52 | 3.65 | 8.64 | H | Pass |
| 7008 | -50.31 | -13 | -37.31 | -61.95 | -56.88 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20385 (High) | **Frequency :** | 1753.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3504 | -57.02 | -13 | -44.02 | -62.85 | -60.39 | 3.12 | 6.49 | V | Pass |
| 5259 | -52.22 | -13 | -39.22 | -59.33 | -57.21 | 3.65 | 8.64 | V | Pass |
| 7008 | -50.86 | -13 | -37.86 | -60.62 | -57.43 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19975 (Low) | **Frequency :** | 1712.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3420 | -57.34 | -13 | -44.34 | -64.60 | -60.70 | 3.12 | 6.49 | H | Pass |
| 5130 | -56.38 | -13 | -43.38 | -62.30 | -61.36 | 3.65 | 8.64 | H | Pass |
| 6840 | -49.09 | -13 | -36.09 | -60.73 | -55.66 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 19975 (Low) | **Frequency :** | 1712.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3420 | -54.50 | -13 | -41.50 | -61.36 | -57.87 | 3.12 | 6.49 | V | Pass |
| 5133 | -52.54 | -13 | -39.54 | -59.43 | -57.53 | 3.65 | 8.64 | V | Pass |
| 6840 | -51.57 | -13 | -38.57 | -61.33 | -58.14 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20175 (Middle) | **Frequency :** | 1732.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3459 | -56.55 | -13 | -43.55 | -63.81 | -59.91 | 3.12 | 6.49 | H | Pass |
| 5190 | -56.17 | -13 | -43.17 | -62.09 | -61.15 | 3.65 | 8.64 | H | Pass |
| 6921 | -50.66 | -13 | -37.66 | -62.30 | -57.23 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20175 (Middle) | **Frequency :** | 1732.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3459 | -57.91 | -13 | -44.91 | -63.17 | -61.28 | 3.12 | 6.49 | V | Pass |
| 5193 | -57.63 | -13 | -44.63 | -61.03 | -62.61 | 3.65 | 8.64 | V | Pass |
| 6921 | -52.01 | -13 | -39.01 | -61.77 | -58.58 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20375 (High) | **Frequency :** | 1752.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3501 | -57.87 | -13 | -44.87 | -65.13 | -61.23 | 3.12 | 6.49 | H | Pass |
| 5250 | -55.42 | -13 | -42.42 | -61.34 | -60.40 | 3.65 | 8.64 | H | Pass |
| 6999 | -50.76 | -13 | -37.76 | -62.40 | -57.33 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20375 (High) | **Frequency :** | 1752.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3501 | -62.83 | -13 | -49.83 | -64.91 | -66.19 | 3.12 | 6.49 | V | Pass |
| 5250 | -58.73 | -13 | -45.73 | -62.13 | -63.71 | 3.65 | 8.64 | V | Pass |
| 6999 | -52.83 | -13 | -39.83 | -62.59 | -59.40 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20000 (Low) | **Frequency :** | 1715 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3420 | -56.35 | -13 | -43.35 | -63.61 | -59.71 | 3.12 | 6.49 | H | Pass |
| 5130 | -56.06 | -13 | -43.06 | -61.98 | -61.04 | 3.65 | 8.64 | H | Pass |
| 6840 | -48.92 | -13 | -35.92 | -60.56 | -55.49 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20000 (Low) | **Frequency :** | 1715 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3420 | -55.47 | -13 | -42.47 | -62 | -58.84 | 3.12 | 6.49 | V | Pass |
| 5133 | -55.26 | -13 | -42.26 | -59.96 | -60.25 | 3.65 | 8.64 | V | Pass |
| 6840 | -51.77 | -13 | -38.77 | -61.53 | -58.34 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20175 (Middle) | **Frequency :** | 1732.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3456 | -57.14 | -13 | -44.14 | -64.40 | -60.50 | 3.12 | 6.49 | H | Pass |
| 5182.5 | -55.78 | -13 | -42.78 | -61.70 | -60.76 | 3.65 | 8.64 | H | Pass |
| 6909 | -49.26 | -13 | -36.26 | -60.90 | -55.83 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20175 (Middle) | **Frequency :** | 1732.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3456 | -53.07 | -13 | -40.07 | -60.87 | -56.44 | 3.12 | 6.49 | V | Pass |
| 5184 | -51.13 | -13 | -38.13 | -58.73 | -56.11 | 3.65 | 8.64 | V | Pass |
| 6909 | -51.62 | -13 | -38.62 | -61.38 | -58.19 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20350 (High) | **Frequency :** | 1750 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3489 | -57.86 | -13 | -44.86 | -65.12 | -61.22 | 3.12 | 6.49 | H | Pass |
| 5235 | -56.43 | -13 | -43.43 | -62.35 | -61.41 | 3.65 | 8.64 | H | Pass |
| 6981 | -51.21 | -13 | -38.21 | -62.85 | -57.78 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20350 (High) | **Frequency :** | 1750 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3489 | -56.90 | -13 | -43.90 | -62.79 | -60.27 | 3.12 | 6.49 | V | Pass |
| 5238 | -55.97 | -13 | -42.97 | -60.25 | -60.96 | 3.65 | 8.64 | V | Pass |
| 6981 | -52.25 | -13 | -39.25 | -62.01 | -58.82 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20025 (Low) | **Frequency :** | 1717.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3420 | -56.67 | -13 | -43.67 | -63.93 | -60.03 | 3.12 | 6.49 | H | Pass |
| 5130 | -56.84 | -13 | -43.84 | -62.76 | -61.82 | 3.65 | 8.64 | H | Pass |
| 6840 | -50.22 | -13 | -37.22 | -61.86 | -56.79 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20025 (Low) | **Frequency :** | 1717.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3420 | -54.46 | -13 | -41.46 | -61.33 | -57.83 | 3.12 | 6.49 | V | Pass |
| 5133 | -52.19 | -13 | -39.19 | -59.32 | -57.18 | 3.65 | 8.64 | V | Pass |
| 6840 | -51.54 | -13 | -38.54 | -61.3 | -58.11 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20175 (Middle) | **Frequency :** | 1732.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3450 | -55.66 | -13 | -42.66 | -62.92 | -59.02 | 3.12 | 6.49 | H | Pass |
| 5175 | -54.80 | -13 | -41.80 | -60.72 | -59.78 | 3.65 | 8.64 | H | Pass |
| 6900 | -50.85 | -13 | -37.85 | -62.49 | -57.42 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20175 (Middle) | **Frequency :** | 1732.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3450 | -57.69 | -13 | -44.69 | -63.09 | -61.06 | 3.12 | 6.49 | V | Pass |
| 5175 | -58.86 | -13 | -45.86 | -62.26 | -63.84 | 3.65 | 8.64 | V | Pass |
| 6900 | -52.76 | -13 | -39.76 | -62.52 | -59.33 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20325 (High) | **Frequency :** | 1747.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3480 | -57.10 | -13 | -44.10 | -64.36 | -60.46 | 3.12 | 6.49 | H | Pass |
| 5220 | -55.67 | -13 | -42.67 | -61.59 | -60.65 | 3.65 | 8.64 | H | Pass |
| 6960 | -51.49 | -13 | -38.49 | -63.13 | -58.06 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20325 (High) | **Frequency :** | 1747.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3480 | -54.31 | -13 | -41.31 | -61.22 | -57.67 | 3.12 | 6.49 | V | Pass |
| 5220 | -59.40 | -13 | -46.40 | -62.8 | -64.38 | 3.65 | 8.64 | V | Pass |
| 6960 | -53.44 | -13 | -40.44 | -63.2 | -60.01 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20050 (Low) | **Frequency :** | 1720 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3420 | -57.02 | -13 | -44.02 | -64.28 | -60.38 | 3.12 | 6.49 | H | Pass |
| 5130 | -56.80 | -13 | -43.80 | -62.72 | -61.78 | 3.65 | 8.64 | H | Pass |
| 6840 | -49.86 | -13 | -36.86 | -61.50 | -56.43 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20050 (Low) | **Frequency :** | 1720 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3420 | -55.01 | -13 | -42.01 | -61.72 | -58.38 | 3.12 | 6.49 | V | Pass |
| 5133 | -51.24 | -13 | -38.24 | -58.8 | -56.23 | 3.65 | 8.64 | V | Pass |
| 6840 | -51.99 | -13 | -38.99 | -61.75 | -58.56 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20175 (Middle) | **Frequency :** | 1732.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3444 | -58.13 | -13 | -45.13 | -65.39 | -61.49 | 3.12 | 6.49 | H | Pass |
| 5167.5 | -56.30 | -13 | -43.30 | -62.22 | -61.28 | 3.65 | 8.64 | H | Pass |
| 6891 | -51.10 | -13 | -38.10 | -62.74 | -57.67 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20175 (Middle) | **Frequency :** | 1732.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3447 | -56.98 | -13 | -43.98 | -62.83 | -60.35 | 3.12 | 6.49 | V | Pass |
| 5172 | -52.19 | -13 | -39.19 | -59.32 | -57.18 | 3.65 | 8.64 | V | Pass |
| 6891 | -61.29 | -13 | -48.29 | -61.29 | -67.86 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20300 (High) | **Frequency :** | 1745 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3471 | -57.30 | -13 | -44.30 | -64.56 | -60.66 | 3.12 | 6.49 | H | Pass |
| 5205 | -56.78 | -13 | -43.78 | -62.70 | -61.76 | 3.65 | 8.64 | H | Pass |
| 6939 | -50.88 | -13 | -37.88 | -62.52 | -57.45 | 4.15 | 10.72 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20300 (High) | **Frequency :** | 1745 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 3471 | -54.95 | -13 | -41.95 | -61.68 | -58.32 | 3.12 | 6.49 | V | Pass |
| 5205 | -58.73 | -13 | -45.73 | -62.13 | -63.71 | 3.65 | 8.64 | V | Pass |
| 6939 | -52.77 | -13 | -39.77 | -62.53 | -59.34 | 4.15 | 10.72 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20775 (Low) | **Frequency :** | 2502.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5000 | -39.58 | -25 | -14.58 | -53.42 | -44.57 | 3.49 | 8.48 | H | Pass |
| 7511 | -45.69 | -25 | -20.69 | -58.46 | -52.56 | 4.28 | 11.15 | H | Pass |
| 10000 | -34.73 | -25 | -9.73 | -57.09 | -42.57 | 5.1 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20775 (Low) | **Frequency :** | 2502.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5000 | -41.41 | -25 | -16.41 | -54.99 | -46.40 | 3.49 | 8.48 | V | Pass |
| 7500 | -51.70 | -25 | -26.70 | -62.27 | -58.56 | 4.28 | 11.15 | V | Pass |
| 10000 | -45.78 | -25 | -20.78 | -62.43 | -53.62 | 5.1 | 12.94 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21100 (Middle) | **Frequency :** | 2535 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5066 | -36.20 | -25 | -11.20 | -50.92 | -41.19 | 3.49 | 8.48 | H | Pass |
| 7610 | -45.10 | -25 | -20.10 | -58.13 | -51.97 | 4.28 | 11.15 | H | Pass |
| 10132 | -37.44 | -25 | -12.44 | -58.68 | -45.29 | 5.1 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21100 (Middle) | **Frequency :** | 2535 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5066 | -37.62 | -25 | -12.62 | -52.53 | -42.61 | 3.49 | 8.48 | V | Pass |
| 7597.5 | -51.81 | -25 | -26.81 | -62.38 | -58.67 | 4.28 | 11.15 | V | Pass |
| 10128 | -46.87 | -25 | -21.87 | -63.5 | -54.71 | 5.1 | 12.94 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21425 (High) | **Frequency :** | 2567.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5129 | -44.26 | -25 | -19.26 | -56.43 | -49.25 | 3.49 | 8.48 | H | Pass |
| 7697 | -42.40 | -25 | -17.40 | -57.43 | -49.27 | 4.28 | 11.15 | H | Pass |
| 10264 | -35.00 | -25 | -10.00 | -57.29 | -42.84 | 5.1 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21425 (High) | **Frequency :** | 2567.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5129 | -55.07 | -25 | -30.07 | -60.03 | -60.06 | 3.49 | 8.48 | V | Pass |
| 7694 | -50.68 | -25 | -25.68 | -61.4 | -57.55 | 4.28 | 11.15 | V | Pass |
| 10260 | -47.10 | -25 | -22.10 | -63.73 | -54.94 | 5.1 | 12.94 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20800 (Low) | **Frequency :** | 2505 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5000 | -36.66 | -25 | -11.66 | -51.28 | -41.65 | 3.49 | 8.48 | H | Pass |
| 7520 | -50.57 | -25 | -25.57 | -61.03 | -57.44 | 4.28 | 11.15 | H | Pass |
| 10004 | -34.77 | -25 | -9.77 | -57.12 | -42.61 | 5.1 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20800 (Low) | **Frequency :** | 2505 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5000 | -37.48 | -25 | -12.48 | -52.42 | -42.47 | 3.49 | 8.48 | V | Pass |
| 7520 | -51.39 | -25 | -26.39 | -61.96 | -58.25 | 4.28 | 11.15 | V | Pass |
| 10000 | -46.80 | -25 | -21.80 | -63.43 | -54.64 | 5.1 | 12.94 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21100 (Middle) | **Frequency :** | 2535 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5060 | -35.06 | -25 | -10.06 | -50.15 | -40.05 | 3.49 | 8.48 | H | Pass |
| 7592 | -45.85 | -25 | -20.85 | -58.55 | -52.72 | 4.28 | 11.15 | H | Pass |
| 10124 | -35.70 | -25 | -10.70 | -57.36 | -43.54 | 5.1 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21100 (Middle) | **Frequency :** | 2535 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5060 | -40.09 | -25 | -15.09 | -53.96 | -45.08 | 3.49 | 8.48 | V | Pass |
| 7592 | -48.59 | -25 | -23.59 | -60.33 | -55.46 | 4.28 | 11.15 | V | Pass |
| 10124 | -43.85 | -25 | -18.85 | -61.31 | -51.69 | 5.1 | 12.94 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21400 (High) | **Frequency :** | 2565 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5120 | -38.51 | -25 | -13.51 | -52.68 | -43.50 | 3.49 | 8.48 | H | Pass |
| 7682 | -41.84 | -25 | -16.84 | -57.16 | -48.71 | 4.28 | 11.15 | H | Pass |
| 10244 | -37.64 | -25 | -12.64 | -58.83 | -45.48 | 5.1 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21400 (High) | **Frequency :** | 2565 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5120 | -41.16 | -25 | -16.16 | -54.91 | -46.15 | 3.49 | 8.48 | V | Pass |
| 7680 | -51.36 | -25 | -26.36 | -61.93 | -58.22 | 4.28 | 11.15 | V | Pass |
| 10240 | -47.29 | -25 | -22.29 | -63.92 | -55.13 | 5.1 | 12.94 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20825 (Low) | **Frequency :** | 2507.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5000 | -38.58 | -25 | -13.58 | -52.75 | -43.57 | 3.49 | 8.48 | H | Pass |
| 7500 | -52.22 | -25 | -27.22 | -61.63 | -59.09 | 4.28 | 11.15 | H | Pass |
| 10000 | -46.28 | -25 | -21.28 | -63.13 | -54.12 | 5.1 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20825 (Low) | **Frequency :** | 2507.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5000 | -40.52 | -25 | -15.52 | -54.39 | -45.51 | 3.49 | 8.48 | V | Pass |
| 7500 | -49.57 | -25 | -24.57 | -60.85 | -56.44 | 4.28 | 11.15 | V | Pass |
| 10000 | -46.26 | -25 | -21.26 | -62.89 | -54.10 | 5.1 | 12.94 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21100 (Middle) | **Frequency :** | 2535 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5057 | -38.18 | -25 | -13.18 | -52.38 | -43.17 | 3.49 | 8.48 | H | Pass |
| 7586 | -47.75 | -25 | -22.75 | -59.27 | -54.61 | 4.28 | 11.15 | H | Pass |
| 10116 | -36.38 | -25 | -11.38 | -57.75 | -44.22 | 5.1 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21100 (Middle) | **Frequency :** | 2535 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5054 | -40.45 | -25 | -15.45 | -54.32 | -45.44 | 3.49 | 8.48 | V | Pass |
| 7582.5 | -52.31 | -25 | -27.31 | -62.88 | -59.17 | 4.28 | 11.15 | V | Pass |
| 10112 | -46.72 | -25 | -21.72 | -63.35 | -54.56 | 5.1 | 12.94 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21375 (High) | **Frequency :** | 2562.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5111 | -56.37 | -25 | -31.37 | -61.96 | -61.36 | 3.49 | 8.48 | H | Pass |
| 7664 | -53.13 | -25 | -28.13 | -62.00 | -59.99 | 4.28 | 11.15 | H | Pass |
| 10220 | -46.59 | -25 | -21.59 | -63.44 | -54.43 | 5.1 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21375 (High) | **Frequency :** | 2562.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5111 | -56.71 | -25 | -31.71 | -61.32 | -61.70 | 3.49 | 8.48 | V | Pass |
| 7665 | -51.76 | -25 | -26.76 | -62.33 | -58.62 | 4.28 | 11.15 | V | Pass |
| 10220 | -46.85 | -25 | -21.85 | -63.48 | -54.69 | 5.1 | 12.94 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20850 (Low) | **Frequency :** | 2510 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5000 | -35.72 | -25 | -10.72 | -50.58 | -40.71 | 3.49 | 8.48 | H | Pass |
| 7505 | -48.68 | -25 | -23.68 | -59.97 | -55.55 | 4.28 | 11.15 | H | Pass |
| 10004 | -37.10 | -25 | -12.10 | -58.41 | -44.94 | 5.1 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 20850 (Low) | **Frequency :** | 2510 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5000 | -39.35 | -25 | -14.35 | -53.58 | -44.34 | 3.49 | 8.48 | V | Pass |
| 7500 | -49.21 | -25 | -24.21 | -60.7 | -56.08 | 4.28 | 11.15 | V | Pass |
| 10000 | -46.87 | -25 | -21.87 | -63.5 | -54.71 | 5.1 | 12.94 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21100 (Middle) | **Frequency :** | 2535 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5051 | -41.25 | -25 | -16.25 | -54.41 | -46.24 | 3.49 | 8.48 | H | Pass |
| 7580 | -42.97 | -25 | -17.97 | -57.70 | -49.84 | 4.28 | 11.15 | H | Pass |
| 10104 | -34.26 | -25 | -9.26 | -56.74 | -42.10 | 5.1 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21100 (Middle) | **Frequency :** | 2535 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5051 | -37.98 | -25 | -12.98 | -52.82 | -42.97 | 3.49 | 8.48 | V | Pass |
| 7575 | -51.67 | -25 | -26.67 | -62.24 | -58.53 | 4.28 | 11.15 | V | Pass |
| 10100 | -47.10 | -25 | -22.10 | -63.73 | -54.94 | 5.1 | 12.94 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21350 (High) | **Frequency :** | 2560 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5102 | -43.36 | -25 | -18.36 | -55.65 | -48.35 | 3.49 | 8.48 | H | Pass |
| 7691 | -43.83 | -25 | -18.83 | -57.91 | -50.70 | 4.28 | 11.15 | H | Pass |
| 10204 | -42.21 | -25 | -17.21 | -60.18 | -50.05 | 5.1 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 22~23°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 21350 (High) | **Frequency :** | 2560 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 5102 | -50.54 | -25 | -25.54 | -58.87 | -55.53 | 3.49 | 8.48 | V | Pass |
| 7650 | -51.88 | -25 | -26.88 | -62.45 | -58.74 | 4.28 | 11.15 | V | Pass |
| 10200 | -47.26 | -25 | -22.26 | -63.89 | -55.10 | 5.1 | 12.94 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 23755 (Low) | **Frequency :** | 706.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 1408 | -62.81 | -13 | -49.81 | -53.70 | -61.48 | 1.75 | 2.57 | H | Pass |
| 2114 | -50.49 | -13 | -37.49 | -53.54 | -50.16 | 2.16 | 3.98 | H | Pass |
| 2820 | -55.95 | -13 | -42.95 | -60.92 | -57.23 | 2.48 | 5.91 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 23755 (Low) | **Frequency :** | 706.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 1408 | -65.04 | -13 | -52.04 | -54.24 | -63.72 | 1.75 | 2.57 | V | Pass |
| 2114 | -46.66 | -13 | -33.66 | -51.31 | -46.33 | 2.16 | 3.98 | V | Pass |
| 2820 | -54.24 | -13 | -41.24 | -60.18 | -55.53 | 2.48 | 5.91 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 23790 (Middle) | **Frequency :** | 710 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 1416 | -57.00 | -13 | -44.00 | -50.43 | -55.67 | 1.75 | 2.57 | H | Pass |
| 2122 | -64.41 | -13 | -51.41 | -60.81 | -64.08 | 2.16 | 3.98 | H | Pass |
| 2834 | -56.00 | -13 | -43.00 | -60.94 | -57.28 | 2.48 | 5.91 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 23790 (Middle) | **Frequency :** | 710 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 1416 | -59.06 | -13 | -46.06 | -51.32 | -57.73 | 1.75 | 2.57 | V | Pass |
| 2124 | -49.99 | -13 | -36.99 | -53.71 | -49.66 | 2.16 | 3.98 | V | Pass |
| 2834 | -55.69 | -13 | -42.69 | -61.05 | -56.98 | 2.48 | 5.91 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 23825 (High) | **Frequency :** | 713.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 1422 | -60.21 | -13 | -47.21 | -52.05 | -58.88 | 1.75 | 2.57 | H | Pass |
| 2136 | -50.54 | -13 | -37.54 | -53.58 | -50.21 | 2.16 | 3.98 | H | Pass |
| 2848 | -51.43 | -13 | -38.43 | -59.34 | -52.72 | 2.48 | 5.91 | H | Pass |
| 3556 | -55.83 | -13 | -42.83 | -62.48 | -57.29 | 2.9 | 6.52 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 22~23°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 23825 (High) | **Frequency :** | 713.5 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 1422 | -57.37 | -13 | -44.37 | -50.54 | -56.05 | 1.75 | 2.57 | V | Pass |
| 2134 | -46.39 | -13 | -33.39 | -51.07 | -46.06 | 2.16 | 3.98 | V | Pass |
| 2848 | -53.38 | -13 | -40.38 | -59.81 | -54.67 | 2.48 | 5.91 | V | Pass |
| 3556 | -59.55 | -13 | -46.55 | -64.89 | -61.01 | 2.9 | 6.52 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 23780 (Low) | **Frequency :** | 709 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 1410 | -62.15 | -13 | -49.15 | -53.27 | -60.82 | 1.75 | 2.57 | H | Pass |
| 2114 | -50.78 | -13 | -37.78 | -53.77 | -50.45 | 2.16 | 3.98 | H | Pass |
| 2820 | -54.94 | -13 | -41.94 | -60.50 | -56.22 | 2.48 | 5.91 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 23780 (Low) | **Frequency :** | 709 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 1410 | -64.25 | -13 | -51.25 | -53.45 | -62.92 | 1.75 | 2.57 | V | Pass |
| 2114 | -44.72 | -13 | -31.72 | -50.03 | -44.39 | 2.16 | 3.98 | V | Pass |
| 2820 | -54.71 | -13 | -41.71 | -60.57 | -56.00 | 2.48 | 5.91 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 23790 (Middle) | **Frequency :** | 710 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 1410 | -60.53 | -13 | -47.53 | -52.21 | -59.20 | 1.75 | 2.57 | H | Pass |
| 2118 | -50.31 | -13 | -37.31 | -53.39 | -49.98 | 2.16 | 3.98 | H | Pass |
| 2824 | -58.14 | -13 | -45.14 | -62.27 | -59.43 | 2.48 | 5.91 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 23790 (Middle) | **Frequency :** | 710 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 1412 | -59.89 | -13 | -46.89 | -52.03 | -58.56 | 1.75 | 2.57 | V | Pass |
| 2118 | -39.38 | -13 | -26.38 | -45.56 | -39.06 | 2.16 | 3.98 | V | Pass |
| 2824 | -58.55 | -13 | -45.55 | -62.39 | -59.84 | 2.48 | 5.91 | V | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 23800 (High) | **Frequency :** | 711 |
| **Test Engineer :** | Nick Su | **Polarization :** | Horizontal |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 1414 | -58.01 | -13 | -45.01 | -51.22 | -56.69 | 1.75 | 2.57 | H | Pass |
| 2120 | -48.28 | -13 | -35.28 | -52.15 | -47.96 | 2.16 | 3.98 | H | Pass |
| 2828 | -57.44 | -13 | -44.44 | -61.53 | -58.72 | 2.48 | 5.91 | H | Pass |
| 3532 | -57.15 | -13 | -44.15 | -62.80 | -58.61 | 2.9 | 6.52 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 22~23°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 40~41% |
| **Channel :** | 23800 (High) | **Frequency :** | 711 |
| **Test Engineer :** | Nick Su | **Polarization :** | Vertical |
| **Remark :** | Spurious emissions within 30-10th harmonic were found more than 20dB below limit line. | | |

| Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) | Result |
|---|---|---|---|---|---|---|---|---|---|
| 1414 | -59.24 | -13 | -46.24 | -51.45 | -57.91 | 1.75 | 2.57 | V | Pass |
| 2122 | -39.24 | -13 | -26.24 | -45.4 | -38.92 | 2.16 | 3.98 | V | Pass |
| 2828 | -56.19 | -13 | -43.19 | -61.18 | -57.47 | 2.48 | 5.91 | V | Pass |
| 3532 | -57.79 | -13 | -44.79 | -62.8 | -59.26 | 2.9 | 6.52 | V | Pass |

## 3.8 Frequency Stability Measurement

### 3.8.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

### 3.8.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

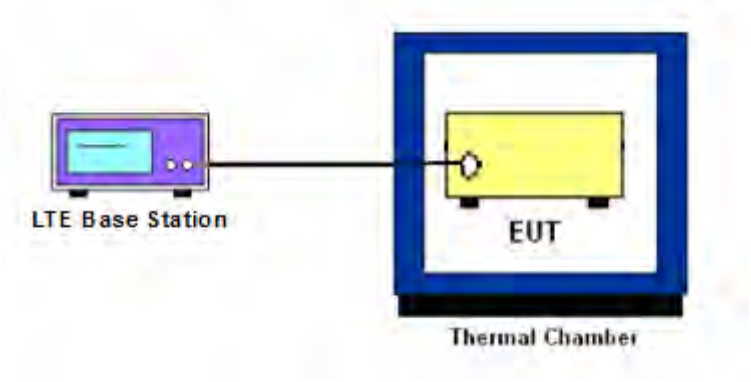
### 3.8.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the LTE base station.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

### 3.8.4 Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at 25±5° C and connected with the LTE base station.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

### 3.8.5 Test Setup



### 3.8.6 Test Result of Temperature Variation (FCC)

| Band : | LTE Band 2 (QPSK) | Limit (ppm) : | within authorized band |
|---|---|---|---|

| Temperature (°C) | BW 10MHz Deviation (ppm) | Result |
|---|---|---|
| 50 | 0.0047 | PASS |
| 40 | 0.0043 | |
| 30 | 0.0020 | |
| 20(Ref.) | 0.0000 | |
| 10 | 0.0047 | |
| 0 | 0.0057 | |
| -10 | 0.0044 | |
| -20 | 0.0053 | |
| -30 | 0.0051 | |

**Note:** The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

| Band : | LTE Band 4 (QPSK) | Limit (ppm) : | within authorized band |
|---|---|---|---|

| Temperature (°C) | BW 10MHz Deviation (ppm) | Result |
|---|---|---|
| 50 | 0.0005 | PASS |
| 40 | 0.0008 | |
| 30 | 0.0107 | |
| 20(Ref.) | 0.0000 | |
| 10 | 0.0021 | |
| 0 | 0.0036 | |
| -10 | 0.0026 | |
| -20 | 0.0021 | |
| -30 | 0.0012 | |

**Note:** The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

| Band : | LTE Band 7 (QPSK) | Limit (ppm) : | within authorized band |
|---|---|---|---|

| Temperature (°C) | BW 10MHz | Result |
|---|---|---|
| | Deviation (ppm) | |
| 50 | 0.0001 | PASS |
| 40 | 0.0006 | |
| 30 | 0.0008 | |
| 20(Ref.) | 0.0000 | |
| 10 | 0.0007 | |
| 0 | 0.0009 | |
| -10 | 0.0006 | |
| -20 | 0.0015 | |
| -30 | 0.0012 | |

**Note:** The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

| Band : | LTE Band 17 (QPSK) | Limit (ppm) : | within authorized band |
|---|---|---|---|

| Temperature (°C) | BW 10MHz | Result |
|---|---|---|
| | Deviation (ppm) | |
| 50 | 0.0020 | PASS |
| 40 | 0.0041 | |
| 30 | 0.0025 | |
| 20(Ref.) | 0.0000 | |
| 10 | 0.0021 | |
| 0 | 0.0034 | |
| -10 | 0.0044 | |
| -20 | 0.0037 | |
| -30 | 0.0027 | |

Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

### 3.8.7 Test Result of Voltage Variation (FCC)

| Band | Bandwidth | Voltage (Volt) | Deviation (ppm) | Limit (ppm) | Result |
|---|---|---|---|---|---|
| LTE Band 7 | 10M | 4.35 | 0.0016 | (Note 3.) | PASS |
| | | Normal | 0.0008 | | |
| | | 3.6 | 0.0012 | | |
| LTE Band 2 | 10M | 4.35 | 0.0058 | (Note 3.) | PASS |
| | | Normal | 0.0054 | | |
| | | 3.6 | 0.0032 | | |
| LTE Band 4 | 10M | 4.35 | 0.0006 | (Note 3.) | PASS |
| | | Normal | 0.0000 | | |
| | | 3.6 | 0.0017 | | |
| LTE Band 17 | 10M | 4.35 | 0.0056 | (Note 3.) | PASS |
| | | Normal | 0.0085 | | |
| | | 3.6 | 0.0014 | | |

**Note:**

1. Normal Voltage = 3.8V.
2. The manufacturer declared that the EUT could work properly between voltage 3.6V ~ 4.35V.
3. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

# 4 List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|---|
| Spectrum Analyzer | R&S | FSV30 | 101338 | 9kHz~30GHz | May 04, 2014 | Dec. 09, 2014~ Jan. 05, 2015 | May 03, 2015 | Conducted (TH01-KS) |
| Thermal Chamber | Ten Billion | TTC-B3S | TBN-960502 | -40~+150°C | Oct. 25, 2014 | Dec. 09, 2014~ Jan. 05, 2015 | Oct. 24, 2015 | Conducted (TH01-KS) |
| EMI Test Receiver | R&S | ESCI | 100534 | 9kHz~3GHz | Oct. 25, 2014 | Dec. 16, 2014~ Dec. 21, 2014 | Oct. 24, 2015 | Radiation (03CH01-KS) |
| Spectrum Analyzer | R&S | FSP30 | 101399 | 9kHz~30GHz | May 04, 2014 | Dec. 16, 2014~ Dec. 21, 2014 | May 03, 2015 | Radiation (03CH01-KS) |
| Double Ridge Horn Antenna | ETS-Lindgren | 3117 | 75959 | 1GHz~18GHz | Jan. 08, 2014 | Dec. 16, 2014~ Dec. 21, 2014 | Jan. 07, 2015 | Radiation (03CH01-KS) |
| Active Horn Antenna | com-power | AHA-118 | 701030 | 1GHz~18GHz | Nov. 08, 2014 | Dec. 16, 2014~ Dec. 21, 2014 | Nov. 07, 2015 | Radiation (03CH01-KS) |
| SHF-EHF Horn | Schwarzbeck | BBHA 9170 | BBHA170249 | 15GHz~40GHz | Mar. 10, 2014 | Dec. 16, 2014~ Dec. 21, 2014 | Mar. 09, 2015 | Radiation (03CH01-KS) |
| Amplifier | Agilent | 8449B | 3008A02371 | 1GHz~26.5GHz | Oct. 28, 2014 | Dec. 16, 2014~ Dec. 21, 2014 | Oct. 27, 2015 | Radiation (03CH01-KS) |
| AC Power Source | Chroma | 61601 | F104090004 | N/A | NCR | Dec. 16, 2014~ Dec. 21, 2014 | NCR | Radiation (03CH01-KS) |
| Turn Table | MF | MF7802 | N/A | 0~360 degree | NCR | Dec. 16, 2014~ Dec. 21, 2014 | NCR | Radiation (03CH01-KS) |
| Antenna Mast | MF | MF7802 | N/A | 1 m~4 m | NCR | Dec. 16, 2014~ Dec. 21, 2014 | NCR | Radiation (03CH01-KS) |

# 5 Uncertainty of Evaluation

**Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)**

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **2.5** |