# 3.6 Conducted Spurious Emission Measurement

## 3.6.1 Description of Conducted Spurious Emission Measurement

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

It is measured by means of a calibrated spectrum analyzer and scanned from 30MHz up to a frequency including its $10^{th}$ harmonic.

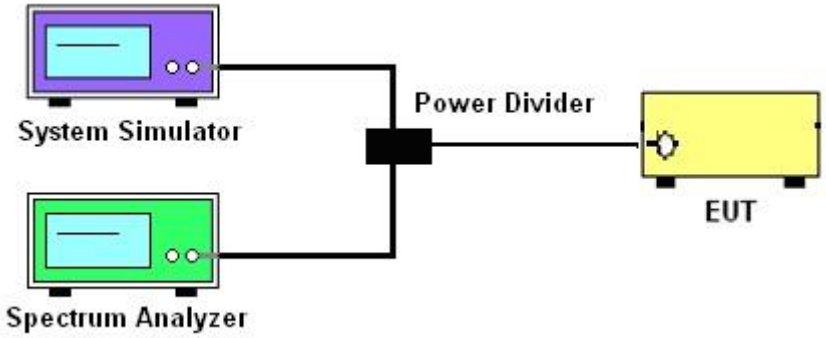
## 3.6.2 Measuring Instruments

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

## 3.6.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. 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.
8. For Band 7
   The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

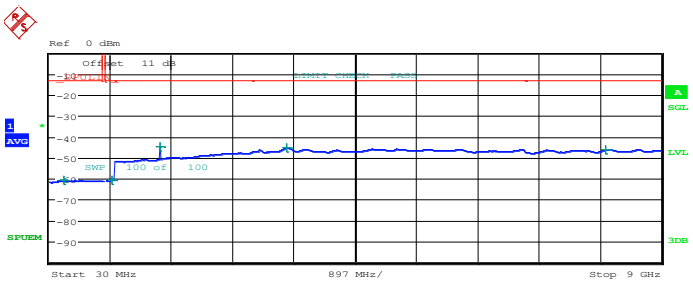
### 3.6.4 Test Setup



## 3.6.5 Test Result (Plots) of Conducted Spurious Emission

| Band : | LTE Band 5 | Channel : | CH20407 (Low) |
|---|---|---|---|
| Band Width : | 1.4MHz | | |

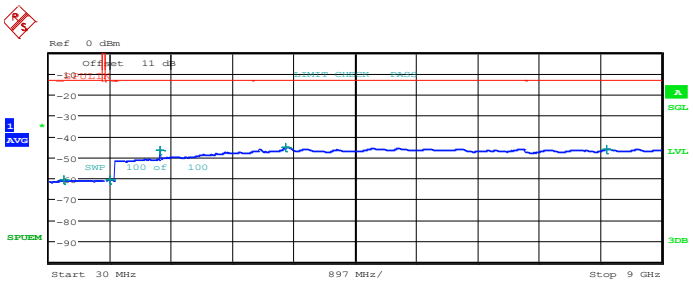
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 244.305000 M | -60.96 | -47.96 |
| 860.000 M | 1.000 G | 100.00 k | 947.640000 M | -60.86 | -47.86 |
| 1.000 G | 3.000 G | 1.00 M | 1.648000 G | -44.84 | -31.84 |
| 3.000 G | 7.000 G | 1.00 M | 3.512000 G | -45.29 | -32.29 |
| 7.000 G | 9.000 G | 1.00 M | 8.178000 G | -46.18 | -33.18 |

Date: 27.JUL.2014 11:07:52

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




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 240.380000 M | -60.97 | -47.97 |
| 860.000 M | 1.000 G | 100.00 k | 921.180000 M | -60.78 | -47.78 |
| 1.000 G | 3.000 G | 1.00 M | 1.648000 G | -46.78 | -33.78 |
| 3.000 G | 7.000 G | 1.00 M | 3.500000 G | -45.35 | -32.35 |
| 7.000 G | 9.000 G | 1.00 M | 8.192000 G | -46.15 | -33.15 |

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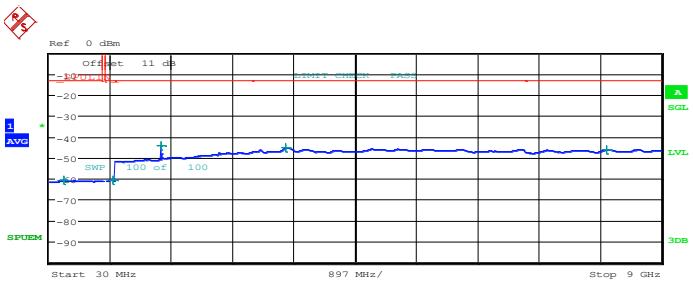
| Band : | LTE Band 5 | Channel : | CH20525 (Middle) |
|---|---|---|---|
| Band Width : | 1.4MHz | | |

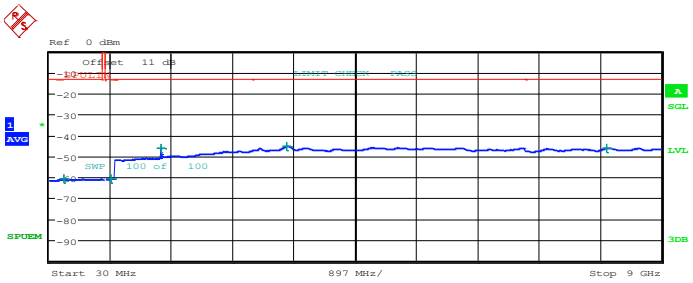
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 241.165000 M | -60.89 | -47.89 |
| 860.000 M | 1.000 G | 100.00 k | 960.240000 M | -60.85 | -47.85 |
| 1.000 G | 3.000 G | 1.00 M | 1.672000 G | -44.37 | -31.37 |
| 3.000 G | 7.000 G | 1.00 M | 3.496000 G | -45.24 | -32.24 |
| 7.000 G | 9.000 G | 1.00 M | 8.200000 G | -46.08 | -33.08 |

Date: 27.JUL.2014 11:10:50

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

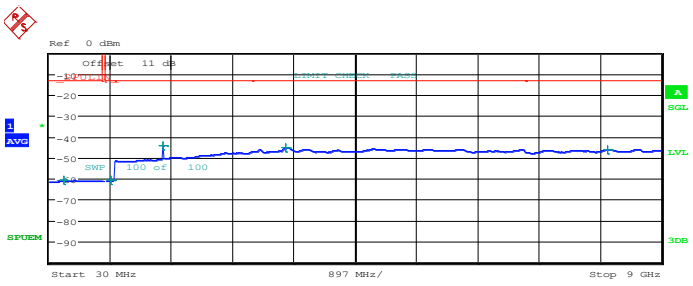



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 245.090000 M | -60.90 | -47.90 |
| 860.000 M | 1.000 G | 100.00 k | 940.920000 M | -60.70 | -47.70 |
| 1.000 G | 3.000 G | 1.00 M | 1.672000 G | -46.13 | -33.13 |
| 3.000 G | 7.000 G | 1.00 M | 3.508000 G | -45.31 | -32.31 |
| 7.000 G | 9.000 G | 1.00 M | 8.202000 G | -46.17 | -33.17 |

Date: 27.JUL.2014 11:11:48

| Band : | LTE Band 5 | Channel : | CH20643 (High) |
|---|---|---|---|
| Band Width : | 1.4MHz | | |

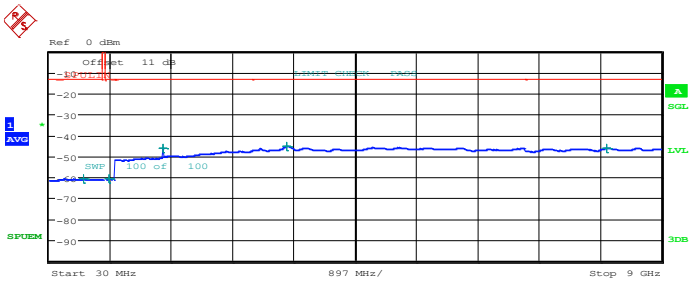
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 248.230000 M | -60.83 | -47.83 |
| 860.000 M | 1.000 G | 100.00 k | 936.160000 M | -60.78 | -47.78 |
| 1.000 G | 3.000 G | 1.00 M | 1.696000 G | -44.20 | -31.20 |
| 3.000 G | 7.000 G | 1.00 M | 3.496000 G | -45.29 | -32.29 |
| 7.000 G | 9.000 G | 1.00 M | 8.212000 G | -46.11 | -33.11 |

Date: 27.JUL.2014 11:16:50

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

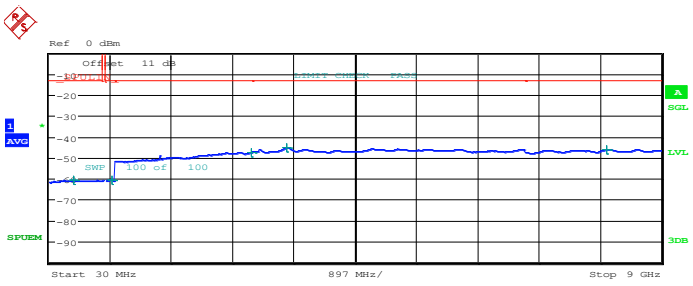



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 528.475000 M | -60.95 | -47.95 |
| 860.000 M | 1.000 G | 100.00 k | 908.580000 M | -60.62 | -47.62 |
| 1.000 G | 3.000 G | 1.00 M | 1.696000 G | -46.47 | -33.47 |
| 3.000 G | 7.000 G | 1.00 M | 3.512000 G | -45.21 | -32.21 |
| 7.000 G | 9.000 G | 1.00 M | 8.200000 G | -46.05 | -33.05 |

Date: 27.JUL.2014 11:17:48

| Band : | LTE Band 5 | Channel : | CH20415 (Low) |
|---|---|---|---|
| Band Width : | 3MHz | | |

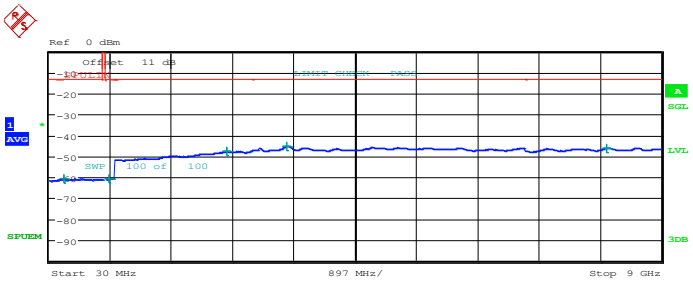
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 390.315000 M | -60.97 | -47.97 |
| 860.000 M | 1.000 G | 100.00 k | 946.520000 M | -60.91 | -47.91 |
| 1.000 G | 3.000 G | 1.00 M | 2.994000 G | -47.48 | -34.48 |
| 3.000 G | 7.000 G | 1.00 M | 3.512000 G | -45.32 | -32.32 |
| 7.000 G | 9.000 G | 1.00 M | 8.200000 G | -46.14 | -33.14 |

Date: 27.JUL.2014 11:24:19

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

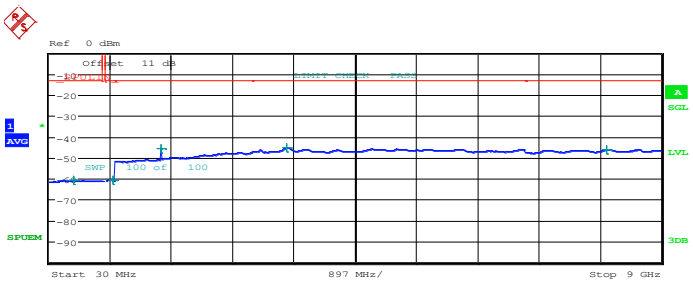



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 241.165000 M | -60.86 | -47.86 |
| 860.000 M | 1.000 G | 100.00 k | 910.400000 M | -60.81 | -47.81 |
| 1.000 G | 3.000 G | 1.00 M | 2.634000 G | -47.68 | -34.68 |
| 3.000 G | 7.000 G | 1.00 M | 3.512000 G | -45.33 | -32.33 |
| 7.000 G | 9.000 G | 1.00 M | 8.190000 G | -46.14 | -33.14 |

Date: 27.JUL.2014 11:26:55

| Band : | LTE Band 5 | Channel : | CH20525 (Middle) |
|---|---|---|---|
| Band Width : | 3MHz | | |

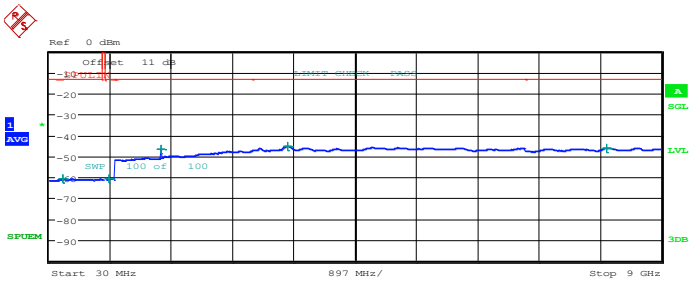
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 383.250000 M | -60.87 | -47.87 |
| 860.000 M | 1.000 G | 100.00 k | 965.280000 M | -60.81 | -47.81 |
| 1.000 G | 3.000 G | 1.00 M | 1.670000 G | -45.74 | -32.74 |
| 3.000 G | 7.000 G | 1.00 M | 3.504000 G | -45.29 | -32.29 |
| 7.000 G | 9.000 G | 1.00 M | 8.202000 G | -46.12 | -33.12 |

Date: 27.JUL.2014 11:29:09

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

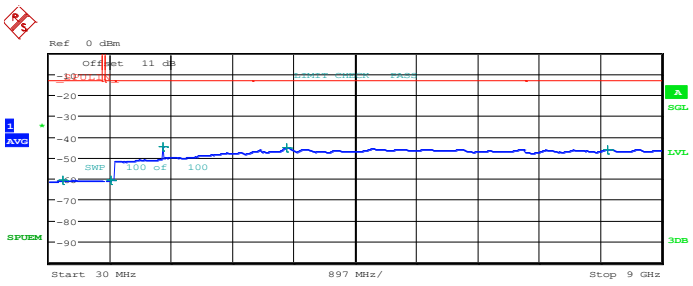



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 236.455000 M | -60.98 | -47.98 |
| 860.000 M | 1.000 G | 100.00 k | 900.180000 M | -60.84 | -47.84 |
| 1.000 G | 3.000 G | 1.00 M | 1.670000 G | -46.94 | -33.94 |
| 3.000 G | 7.000 G | 1.00 M | 3.520000 G | -45.24 | -32.24 |
| 7.000 G | 9.000 G | 1.00 M | 8.200000 G | -46.12 | -33.12 |

Date: 27.JUL.2014 11:30:07

| Band : | LTE Band 5 | Channel : | CH20635 (High) |
|---|---|---|---|
| Band Width : | 3MHz | | |

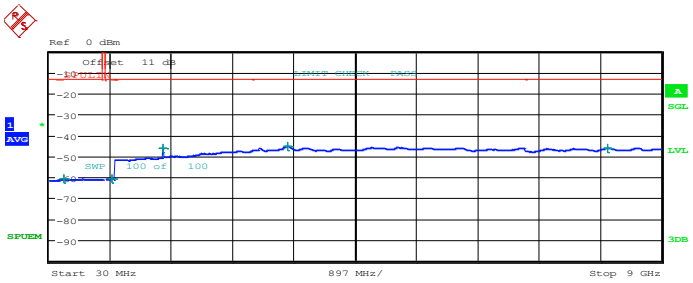
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 236.455000 M | -60.82 | -47.82 |
| 860.000 M | 1.000 G | 100.00 k | 933.640000 M | -60.86 | -47.86 |
| 1.000 G | 3.000 G | 1.00 M | 1.692000 G | -44.77 | -31.77 |
| 3.000 G | 7.000 G | 1.00 M | 3.512000 G | -45.32 | -32.32 |
| 7.000 G | 9.000 G | 1.00 M | 8.214000 G | -46.15 | -33.15 |

Date: 27.JUL.2014 11:35:08

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

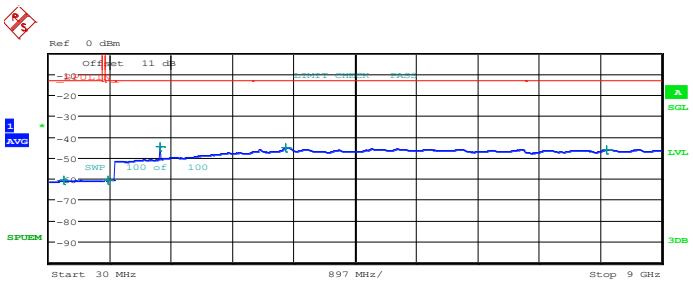



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 242.735000 M | -60.91 | -47.91 |
| 860.000 M | 1.000 G | 100.00 k | 956.600000 M | -60.89 | -47.89 |
| 1.000 G | 3.000 G | 1.00 M | 1.692000 G | -46.23 | -33.23 |
| 3.000 G | 7.000 G | 1.00 M | 3.516000 G | -45.31 | -32.31 |
| 7.000 G | 9.000 G | 1.00 M | 8.210000 G | -46.11 | -33.11 |

Date: 27.JUL.2014 11:36:07

| Band : | LTE Band 5 | Channel : | CH20425 (Low) |
|---|---|---|---|
| Band Width : | 5MHz | | |

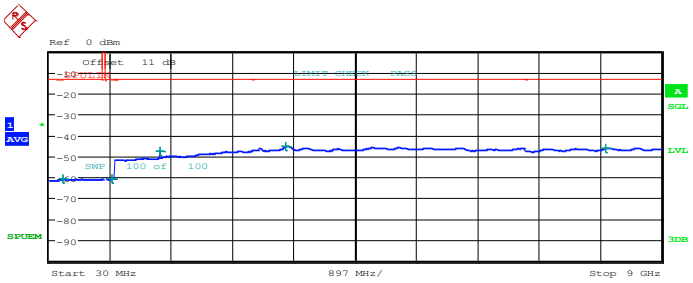
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 244.305000 M | -60.92 | -47.92 |
| 860.000 M | 1.000 G | 100.00 k | 887.020000 M | -60.76 | -47.76 |
| 1.000 G | 3.000 G | 1.00 M | 1.650000 G | -44.94 | -31.94 |
| 3.000 G | 7.000 G | 1.00 M | 3.500000 G | -45.32 | -32.32 |
| 7.000 G | 9.000 G | 1.00 M | 8.190000 G | -46.07 | -33.07 |

Date: 27.JUL.2014 11:42:27

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

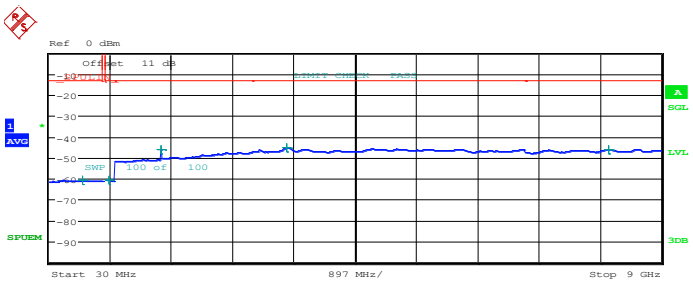



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 234.100000 M | -60.87 | -47.87 |
| 860.000 M | 1.000 G | 100.00 k | 947.640000 M | -60.61 | -47.61 |
| 1.000 G | 3.000 G | 1.00 M | 1.650000 G | -47.48 | -34.48 |
| 3.000 G | 7.000 G | 1.00 M | 3.500000 G | -45.32 | -32.32 |
| 7.000 G | 9.000 G | 1.00 M | 8.178000 G | -46.12 | -33.12 |

Date: 27.JUL.2014 11:43:25

| Band : | LTE Band 5 | Channel : | CH20525 (Middle) |
|---|---|---|---|
| Band Width : | 5MHz | | |

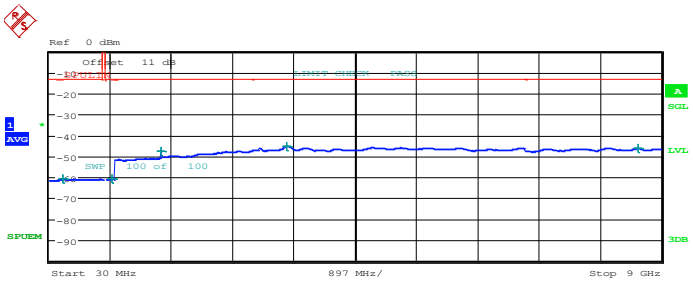
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 520.625000 M | -60.93 | -47.93 |
| 860.000 M | 1.000 G | 100.00 k | 910.960000 M | -60.76 | -47.76 |
| 1.000 G | 3.000 G | 1.00 M | 1.670000 G | -46.05 | -33.05 |
| 3.000 G | 7.000 G | 1.00 M | 3.512000 G | -45.25 | -32.25 |
| 7.000 G | 9.000 G | 1.00 M | 8.230000 G | -46.17 | -33.17 |

Date: 27.JUL.2014 11:45:25

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

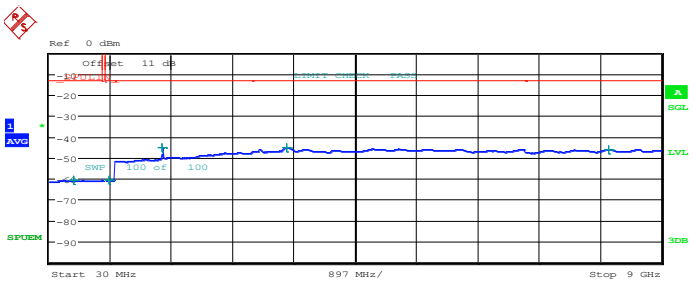



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 229.390000 M | -60.87 | -47.87 |
| 860.000 M | 1.000 G | 100.00 k | 950.160000 M | -60.60 | -47.60 |
| 1.000 G | 3.000 G | 1.00 M | 1.668000 G | -47.43 | -34.43 |
| 3.000 G | 7.000 G | 1.00 M | 3.508000 G | -45.29 | -32.29 |
| 7.000 G | 9.000 G | 1.00 M | 8.648000 G | -46.19 | -33.19 |

Date: 27.JUL.2014 11:46:23

| Band : | LTE Band 5 | Channel : | CH20625 (High) |
|---|---|---|---|
| Band Width : | 5MHz | | |

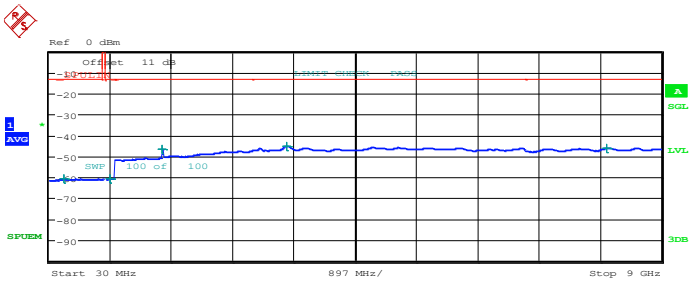
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 392.670000 M | -60.92 | -47.92 |
| 860.000 M | 1.000 G | 100.00 k | 903.960000 M | -60.58 | -47.58 |
| 1.000 G | 3.000 G | 1.00 M | 1.690000 G | -45.22 | -32.22 |
| 3.000 G | 7.000 G | 1.00 M | 3.512000 G | -45.36 | -32.36 |
| 7.000 G | 9.000 G | 1.00 M | 8.230000 G | -46.14 | -33.14 |

Date: 27.JUL.2014 11:51:25

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

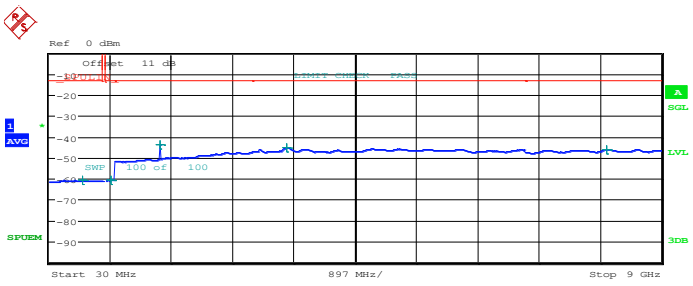



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 240.380000 M | -60.81 | -47.81 |
| 860.000 M | 1.000 G | 100.00 k | 927.620000 M | -60.77 | -47.77 |
| 1.000 G | 3.000 G | 1.00 M | 1.690000 G | -46.78 | -33.78 |
| 3.000 G | 7.000 G | 1.00 M | 3.512000 G | -45.29 | -32.29 |
| 7.000 G | 9.000 G | 1.00 M | 8.196000 G | -46.17 | -33.17 |

Date: 27.JUL.2014 11:52:23

| Band : | LTE Band 5 | Channel : | CH20450 (Low) |
|---|---|---|---|
| Band Width : | 10MHz | | |

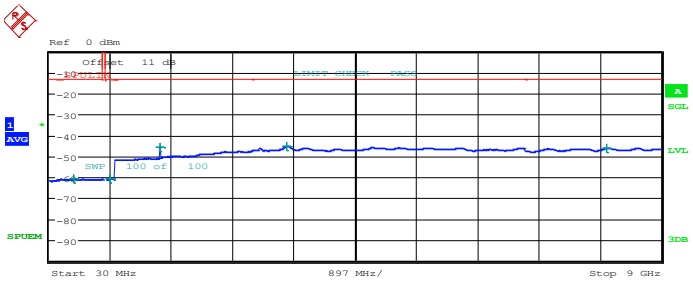
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 522.195000 M | -60.81 | -47.81 |
| 860.000 M | 1.000 G | 100.00 k | 931.120000 M | -60.85 | -47.85 |
| 1.000 G | 3.000 G | 1.00 M | 1.650000 G | -43.90 | -30.90 |
| 3.000 G | 7.000 G | 1.00 M | 3.504000 G | -45.20 | -32.20 |
| 7.000 G | 9.000 G | 1.00 M | 8.190000 G | -46.17 | -33.17 |

Date: 27.JUL.2014 11:57:25

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

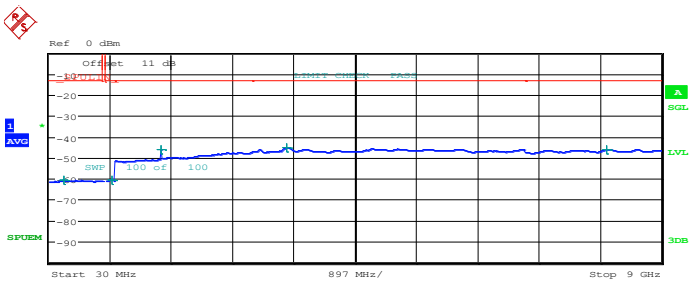



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 392.670000 M | -60.89 | -47.89 |
| 860.000 M | 1.000 G | 100.00 k | 916.140000 M | -60.87 | -47.87 |
| 1.000 G | 3.000 G | 1.00 M | 1.650000 G | -45.58 | -32.58 |
| 3.000 G | 7.000 G | 1.00 M | 3.504000 G | -45.34 | -32.34 |
| 7.000 G | 9.000 G | 1.00 M | 8.190000 G | -46.13 | -33.13 |

Date: 27.JUL.2014 11:58:23

| Band : | LTE Band 5 | Channel : | CH20525 (Middle) |
|---|---|---|---|
| Band Width : | 10MHz | | |

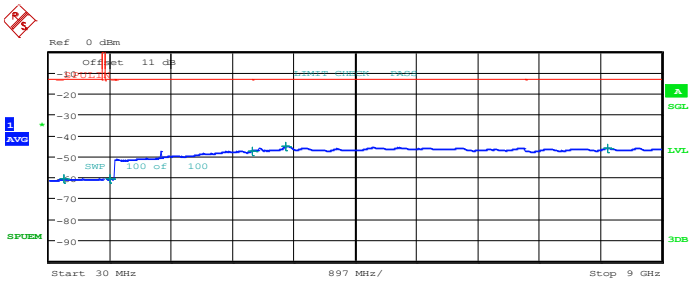
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 239.595000 M | -60.80 | -47.80 |
| 860.000 M | 1.000 G | 100.00 k | 944.700000 M | -60.80 | -47.80 |
| 1.000 G | 3.000 G | 1.00 M | 1.664000 G | -46.16 | -33.16 |
| 3.000 G | 7.000 G | 1.00 M | 3.508000 G | -45.33 | -32.33 |
| 7.000 G | 9.000 G | 1.00 M | 8.192000 G | -46.15 | -33.15 |

Date: 27.JUL.2014 12:00:23

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

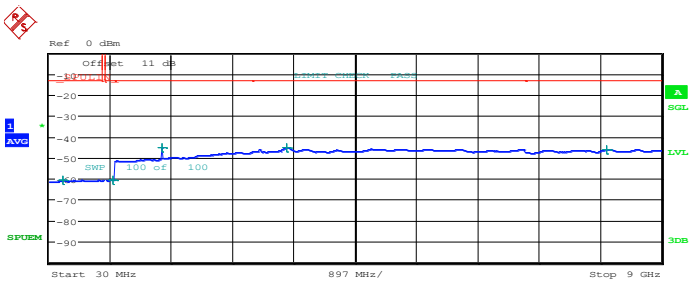



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 238.810000 M | -60.93 | -47.93 |
| 860.000 M | 1.000 G | 100.00 k | 916.980000 M | -60.61 | -47.61 |
| 1.000 G | 3.000 G | 1.00 M | 3.000000 G | -47.66 | -34.66 |
| 3.000 G | 7.000 G | 1.00 M | 3.500000 G | -45.28 | -32.28 |
| 7.000 G | 9.000 G | 1.00 M | 8.210000 G | -46.19 | -33.19 |

Date: 27.JUL.2014 12:01:21

| Band : | LTE Band 5 | Channel : | CH20600 (High) |
|---|---|---|---|
| Band Width : | 10MHz | | |

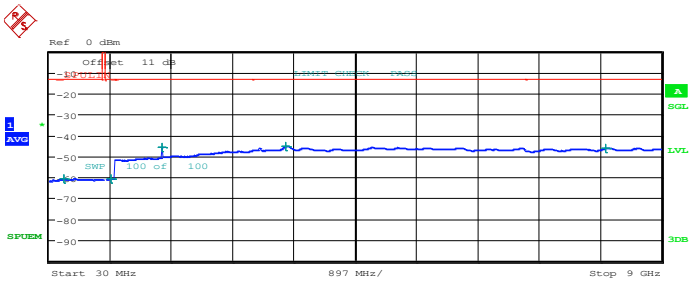
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 236.455000 M | -60.94 | -47.94 |
| 860.000 M | 1.000 G | 100.00 k | 965.140000 M | -60.78 | -47.78 |
| 1.000 G | 3.000 G | 1.00 M | 1.680000 G | -45.09 | -32.09 |
| 3.000 G | 7.000 G | 1.00 M | 3.512000 G | -45.28 | -32.28 |
| 7.000 G | 9.000 G | 1.00 M | 8.196000 G | -46.14 | -33.14 |

Date: 27.JUL.2014 12:06:23

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

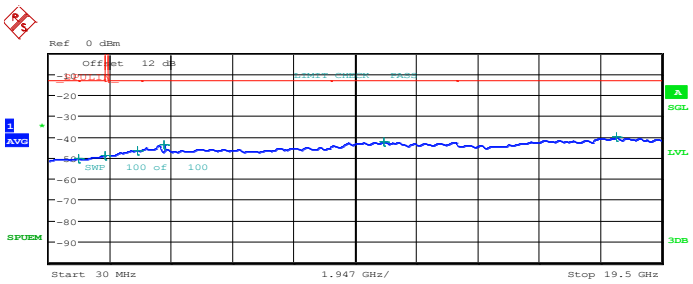



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 815.000 M | 100.00 k | 241.950000 M | -60.93 | -47.93 |
| 860.000 M | 1.000 G | 100.00 k | 941.620000 M | -60.73 | -47.73 |
| 1.000 G | 3.000 G | 1.00 M | 1.680000 G | -45.63 | -32.63 |
| 3.000 G | 7.000 G | 1.00 M | 3.500000 G | -45.23 | -32.23 |
| 7.000 G | 9.000 G | 1.00 M | 8.176000 G | -46.12 | -33.12 |

Date: 27.JUL.2014 12:07:21

| Band : | LTE Band 2 | Channel : | CH18607 (Low) |
|---|---|---|---|
| Band Width : | 1.4MHz | | |

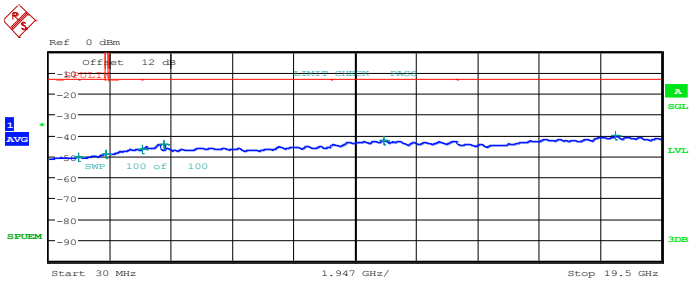
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 955.380000 M | -50.28 | -37.28 |
| 1.000 G | 1.840 G | 1.00 M | 1.816480 G | -48.93 | -35.93 |
| 1.920 G | 3.000 G | 1.00 M | 2.822880 G | -46.64 | -33.64 |
| 3.000 G | 9.000 G | 1.00 M | 3.696000 G | -43.88 | -30.88 |
| 9.000 G | 13.000 G | 1.00 M | 10.676000 G | -42.60 | -29.60 |
| 13.000 G | 19.500 G | 1.00 M | 18.050500 G | -40.37 | -27.37 |

Date: 27.JUL.2014 07:37:01

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

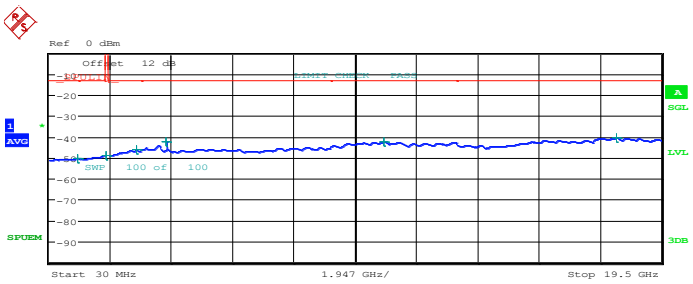



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 959.260000 M | -50.51 | -37.51 |
| 1.000 G | 1.840 G | 1.00 M | 1.830760 G | -48.83 | -35.83 |
| 1.920 G | 3.000 G | 1.00 M | 2.998920 G | -46.56 | -33.56 |
| 3.000 G | 9.000 G | 1.00 M | 3.696000 G | -44.22 | -31.22 |
| 9.000 G | 13.000 G | 1.00 M | 10.684000 G | -42.61 | -29.61 |
| 13.000 G | 19.500 G | 1.00 M | 18.044000 G | -40.37 | -27.37 |

Date: 27.JUL.2014 07:37:59

| Band : | LTE Band 2 | Channel : | CH18900 (Middle) |
|---|---|---|---|
| Band Width : | 1.4MHz | | |

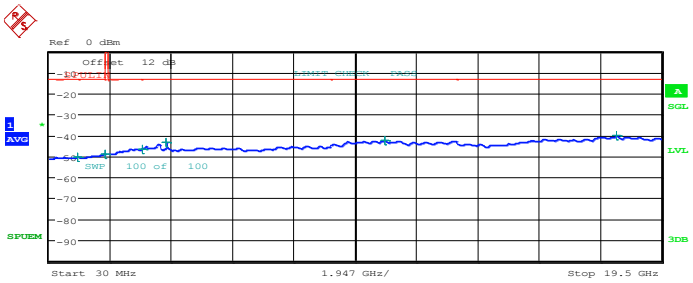
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 942.770000 M | -50.37 | -37.37 |
| 1.000 G | 1.840 G | 1.00 M | 1.826560 G | -48.97 | -35.97 |
| 1.920 G | 3.000 G | 1.00 M | 2.809920 G | -46.40 | -33.40 |
| 3.000 G | 9.000 G | 1.00 M | 3.756000 G | -42.44 | -29.44 |
| 9.000 G | 13.000 G | 1.00 M | 10.676000 G | -42.60 | -29.60 |
| 13.000 G | 19.500 G | 1.00 M | 18.050500 G | -40.38 | -27.38 |

Date: 27.JUL.2014 07:39:58

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

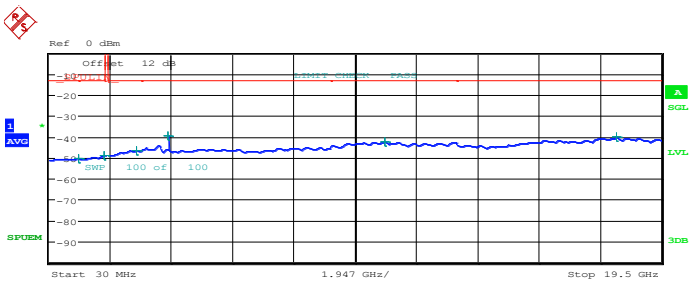



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 940.830000 M | -50.36 | -37.36 |
| 1.000 G | 1.840 G | 1.00 M | 1.815640 G | -48.86 | -35.86 |
| 1.920 G | 3.000 G | 1.00 M | 2.994600 G | -46.57 | -33.57 |
| 3.000 G | 9.000 G | 1.00 M | 3.756000 G | -43.49 | -30.49 |
| 9.000 G | 13.000 G | 1.00 M | 10.692000 G | -42.66 | -29.66 |
| 13.000 G | 19.500 G | 1.00 M | 18.070000 G | -40.37 | -27.37 |

Date: 27.JUL.2014 07:40:57

| Band : | LTE Band 2 | Channel : | CH19193 (High) |
|---|---|---|---|
| Band Width : | 1.4MHz | | |

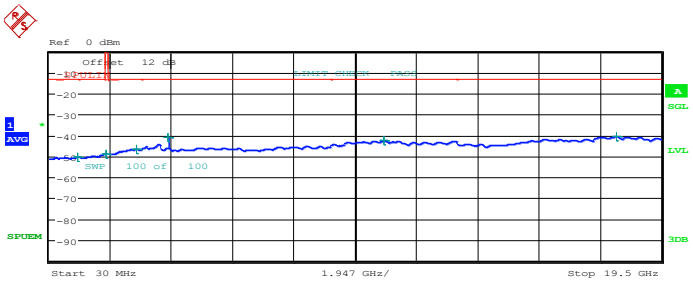
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 967.990000 M | -50.41 | -37.41 |
| 1.000 G | 1.840 G | 1.00 M | 1.790440 G | -49.03 | -36.03 |
| 1.920 G | 3.000 G | 1.00 M | 2.806680 G | -46.56 | -33.56 |
| 3.000 G | 9.000 G | 1.00 M | 3.816000 G | -39.80 | -26.80 |
| 9.000 G | 13.000 G | 1.00 M | 10.688000 G | -42.67 | -29.67 |
| 13.000 G | 19.500 G | 1.00 M | 18.050500 G | -40.35 | -27.35 |

Date: 27.JUL.2014 07:45:57

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

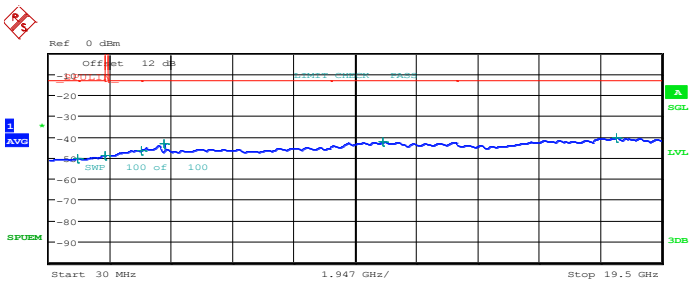



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 946.650000 M | -50.25 | -37.25 |
| 1.000 G | 1.840 G | 1.00 M | 1.829920 G | -48.89 | -35.89 |
| 1.920 G | 3.000 G | 1.00 M | 2.817480 G | -46.53 | -33.53 |
| 3.000 G | 9.000 G | 1.00 M | 3.816000 G | -40.99 | -27.99 |
| 9.000 G | 13.000 G | 1.00 M | 10.676000 G | -42.60 | -29.60 |
| 13.000 G | 19.500 G | 1.00 M | 18.063500 G | -40.42 | -27.42 |

Date: 27.JUL.2014 07:46:56

| Band : | LTE Band 2 | Channel : | CH18615 (Low) |
|---|---|---|---|
| Band Width : | 3MHz | | |

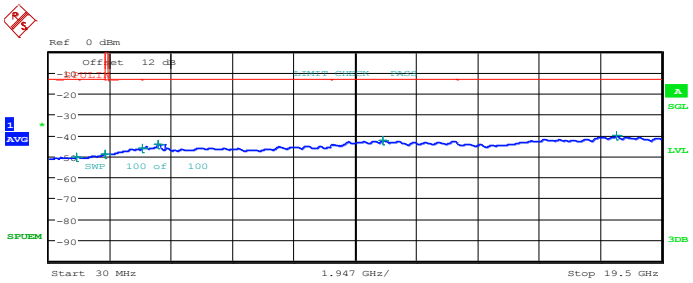
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 942.770000 M | -50.47 | -37.47 |
| 1.000 G | 1.840 G | 1.00 M | 1.823200 G | -48.89 | -35.89 |
| 1.920 G | 3.000 G | 1.00 M | 2.964360 G | -46.52 | -33.52 |
| 3.000 G | 9.000 G | 1.00 M | 3.696000 G | -43.34 | -30.34 |
| 9.000 G | 13.000 G | 1.00 M | 10.652000 G | -42.63 | -29.63 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.38 | -27.38 |

Date: 27.JUL.2014 07:57:51

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

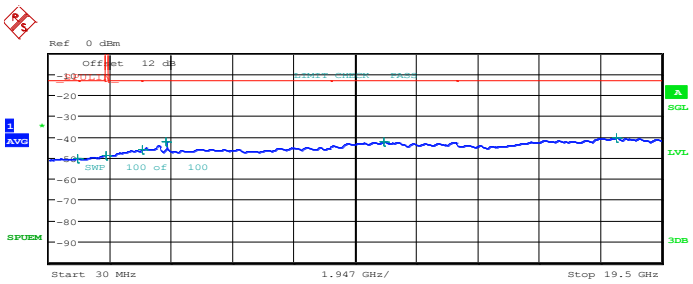



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 918.520000 M | -50.42 | -37.42 |
| 1.000 G | 1.840 G | 1.00 M | 1.822360 G | -48.92 | -35.92 |
| 1.920 G | 3.000 G | 1.00 M | 2.996760 G | -46.47 | -33.47 |
| 3.000 G | 9.000 G | 1.00 M | 3.504000 G | -44.30 | -31.30 |
| 9.000 G | 13.000 G | 1.00 M | 10.624000 G | -42.69 | -29.69 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.36 | -27.36 |

Date: 27.JUL.2014 07:58:50

| Band : | LTE Band 2 | Channel : | CH18900 (Middle) |
|---|---|---|---|
| Band Width : | 3MHz | | |

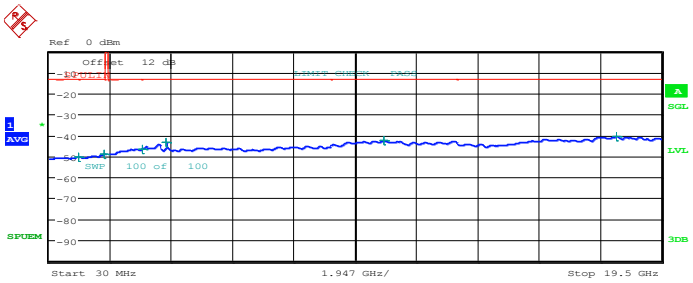
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 930.160000 M | -50.50 | -37.50 |
| 1.000 G | 1.840 G | 1.00 M | 1.834960 G | -48.98 | -35.98 |
| 1.920 G | 3.000 G | 1.00 M | 2.998920 G | -46.25 | -33.25 |
| 3.000 G | 9.000 G | 1.00 M | 3.756000 G | -42.49 | -29.49 |
| 9.000 G | 13.000 G | 1.00 M | 10.660000 G | -42.57 | -29.57 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.44 | -27.44 |

Date: 27.JUL.2014 08:00:49

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

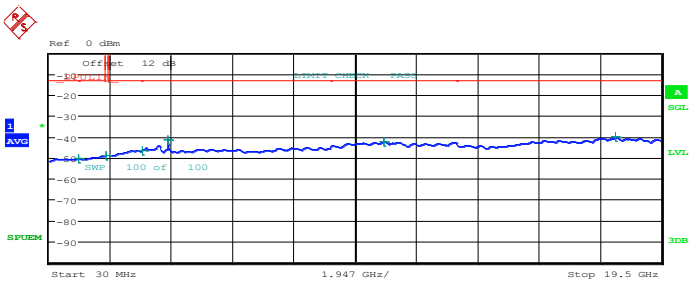



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 952.470000 M | -50.41 | -37.41 |
| 1.000 G | 1.840 G | 1.00 M | 1.775320 G | -48.95 | -35.95 |
| 1.920 G | 3.000 G | 1.00 M | 2.998920 G | -46.50 | -33.50 |
| 3.000 G | 9.000 G | 1.00 M | 3.756000 G | -43.57 | -30.57 |
| 9.000 G | 13.000 G | 1.00 M | 10.668000 G | -42.61 | -29.61 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.44 | -27.44 |

Date: 27.JUL.2014 08:01:48

| Band : | LTE Band 2 | Channel : | CH19185 (High) |
|---|---|---|---|
| Band Width : | 3MHz | | |

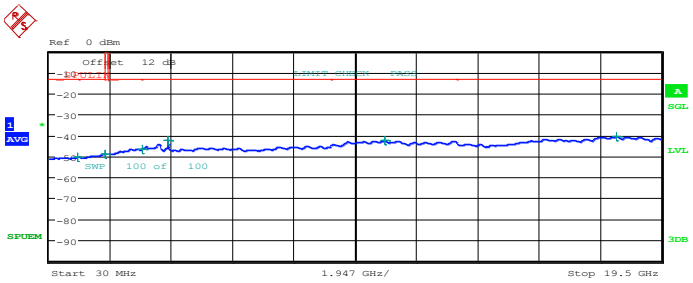
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 964.110000 M | -50.40 | -37.40 |
| 1.000 G | 1.840 G | 1.00 M | 1.829920 G | -49.05 | -36.05 |
| 1.920 G | 3.000 G | 1.00 M | 2.994600 G | -46.63 | -33.63 |
| 3.000 G | 9.000 G | 1.00 M | 3.810000 G | -41.70 | -28.70 |
| 9.000 G | 13.000 G | 1.00 M | 10.656000 G | -42.70 | -29.70 |
| 13.000 G | 19.500 G | 1.00 M | 18.044000 G | -40.37 | -27.37 |

Date: 27.JUL.2014 08:06:48

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

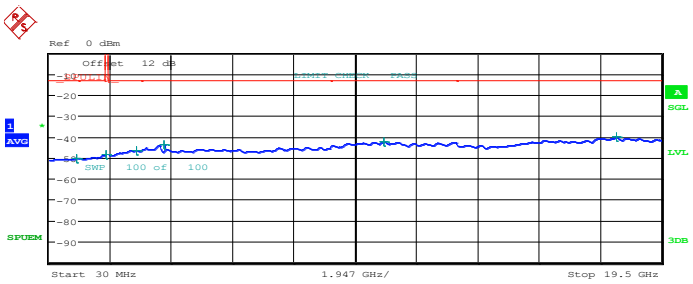



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 935.010000 M | -50.36 | -37.36 |
| 1.000 G | 1.840 G | 1.00 M | 1.794640 G | -48.97 | -35.97 |
| 1.920 G | 3.000 G | 1.00 M | 3.000000 G | -46.55 | -33.55 |
| 3.000 G | 9.000 G | 1.00 M | 3.810000 G | -42.69 | -29.69 |
| 9.000 G | 13.000 G | 1.00 M | 10.688000 G | -42.66 | -29.66 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.44 | -27.44 |

Date: 27.JUL.2014 08:07:46

| Band : | LTE Band 2 | Channel : | CH18625 (Low) |
|---|---|---|---|
| Band Width : | 5MHz | | |

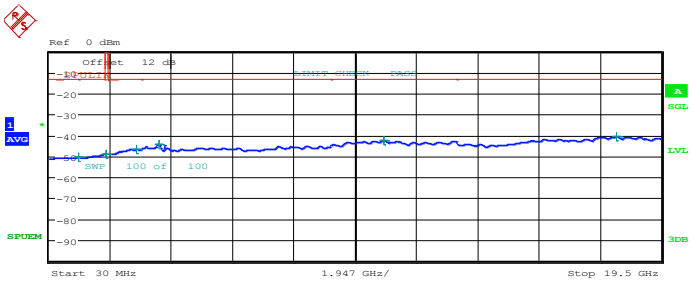
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 893.300000 M | -50.41 | -37.41 |
| 1.000 G | 1.840 G | 1.00 M | 1.836640 G | -48.74 | -35.74 |
| 1.920 G | 3.000 G | 1.00 M | 2.813160 G | -46.58 | -33.58 |
| 3.000 G | 9.000 G | 1.00 M | 3.696000 G | -44.08 | -31.08 |
| 9.000 G | 13.000 G | 1.00 M | 10.680000 G | -42.64 | -29.64 |
| 13.000 G | 19.500 G | 1.00 M | 18.050500 G | -40.34 | -27.34 |

Date: 27.JUL.2014 08:12:47

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

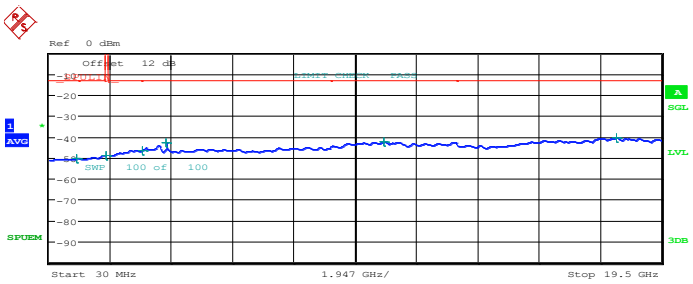



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 964.110000 M | -50.49 | -37.49 |
| 1.000 G | 1.840 G | 1.00 M | 1.830760 G | -49.01 | -36.01 |
| 1.920 G | 3.000 G | 1.00 M | 2.817480 G | -46.51 | -33.51 |
| 3.000 G | 9.000 G | 1.00 M | 3.510000 G | -44.28 | -31.28 |
| 9.000 G | 13.000 G | 1.00 M | 10.668000 G | -42.63 | -29.63 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.40 | -27.40 |

Date: 27.JUL.2014 08:13:45

| Band : | LTE Band 2 | Channel : | CH18900 (Middle) |
|---|---|---|---|
| Band Width : | 5MHz | | |

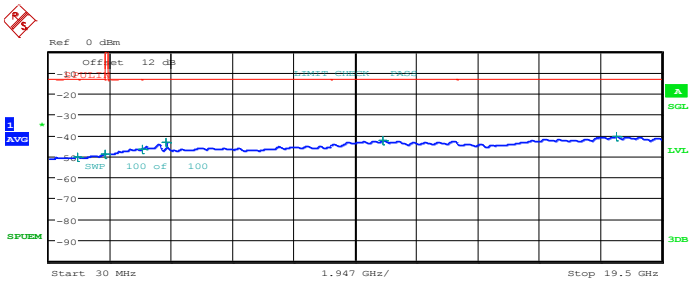
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 893.300000 M | -50.41 | -37.41 |
| 1.000 G | 1.840 G | 1.00 M | 1.830760 G | -48.96 | -35.96 |
| 1.920 G | 3.000 G | 1.00 M | 2.988120 G | -46.52 | -33.52 |
| 3.000 G | 9.000 G | 1.00 M | 3.756000 G | -42.81 | -29.81 |
| 9.000 G | 13.000 G | 1.00 M | 10.676000 G | -42.60 | -29.60 |
| 13.000 G | 19.500 G | 1.00 M | 18.063500 G | -40.38 | -27.38 |

Date: 27.JUL.2014 08:15:44

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

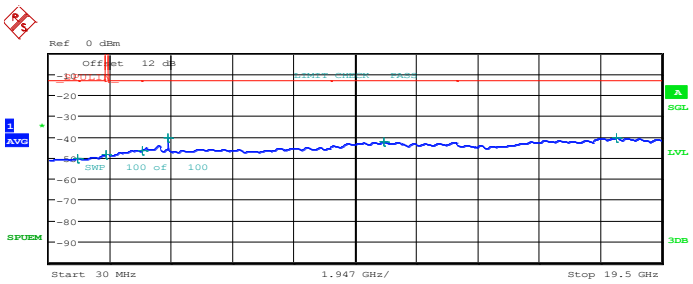



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 945.680000 M | -50.38 | -37.38 |
| 1.000 G | 1.840 G | 1.00 M | 1.821520 G | -48.93 | -35.93 |
| 1.920 G | 3.000 G | 1.00 M | 2.994600 G | -46.64 | -33.64 |
| 3.000 G | 9.000 G | 1.00 M | 3.756000 G | -43.37 | -30.37 |
| 9.000 G | 13.000 G | 1.00 M | 10.644000 G | -42.63 | -29.63 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.40 | -27.40 |

Date: 27.JUL.2014 08:16:43

| Band : | LTE Band 2 | Channel : | CH19175 (High) |
|---|---|---|---|
| Band Width : | 5MHz | | |

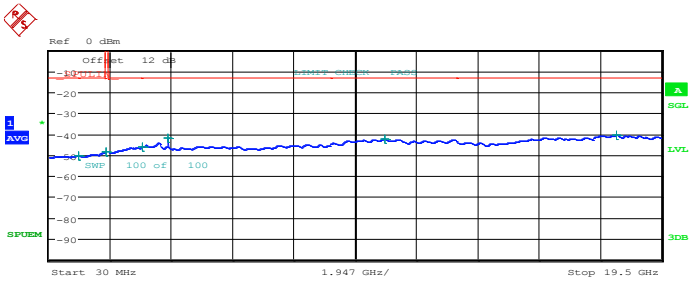
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 946.650000 M | -50.45 | -37.45 |
| 1.000 G | 1.840 G | 1.00 M | 1.829080 G | -48.76 | -35.76 |
| 1.920 G | 3.000 G | 1.00 M | 2.996760 G | -46.50 | -33.50 |
| 3.000 G | 9.000 G | 1.00 M | 3.810000 G | -40.82 | -27.82 |
| 9.000 G | 13.000 G | 1.00 M | 10.664000 G | -42.70 | -29.70 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.43 | -27.43 |

Date: 27.JUL.2014 08:21:43

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

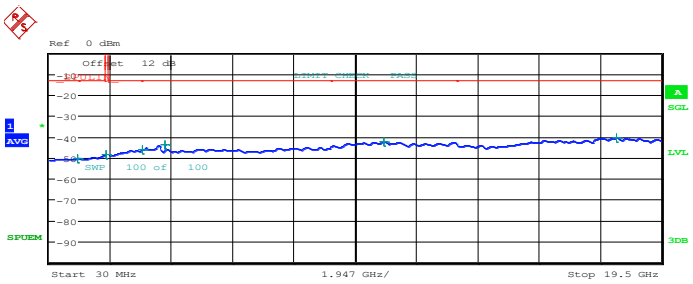



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 956.350000 M | -50.35 | -37.35 |
| 1.000 G | 1.840 G | 1.00 M | 1.839160 G | -48.80 | -35.80 |
| 1.920 G | 3.000 G | 1.00 M | 3.000000 G | -46.45 | -33.45 |
| 3.000 G | 9.000 G | 1.00 M | 3.810000 G | -41.91 | -28.91 |
| 9.000 G | 13.000 G | 1.00 M | 10.692000 G | -42.59 | -29.59 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.43 | -27.43 |

Date: 27.JUL.2014 08:22:42

| Band : | LTE Band 2 | Channel : | CH18650 (Low) |
|---|---|---|---|
| Band Width : | 10MHz | | |

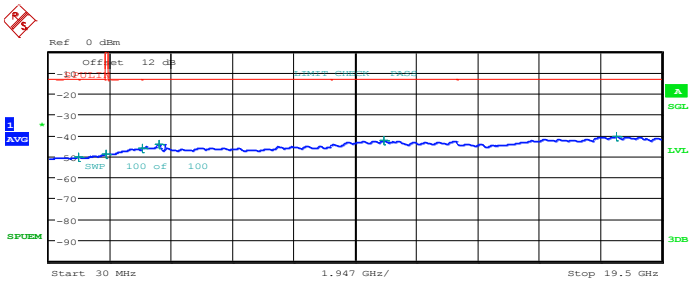
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 946.650000 M | -50.37 | -37.37 |
| 1.000 G | 1.840 G | 1.00 M | 1.832440 G | -48.79 | -35.79 |
| 1.920 G | 3.000 G | 1.00 M | 2.998920 G | -46.48 | -33.48 |
| 3.000 G | 9.000 G | 1.00 M | 3.702000 G | -44.08 | -31.08 |
| 9.000 G | 13.000 G | 1.00 M | 10.680000 G | -42.58 | -29.58 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.40 | -27.40 |

Date: 27.JUL.2014 08:27:42

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

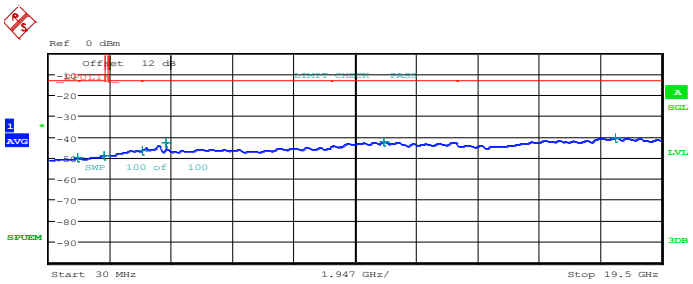



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 963.140000 M | -50.32 | -37.32 |
| 1.000 G | 1.840 G | 1.00 M | 1.831600 G | -49.04 | -36.04 |
| 1.920 G | 3.000 G | 1.00 M | 3.000000 G | -46.37 | -33.37 |
| 3.000 G | 9.000 G | 1.00 M | 3.510000 G | -44.25 | -31.25 |
| 9.000 G | 13.000 G | 1.00 M | 10.676000 G | -42.48 | -29.48 |
| 13.000 G | 19.500 G | 1.00 M | 18.050500 G | -40.44 | -27.44 |

Date: 27.JUL.2014 08:28:41

| Band : | LTE Band 2 | Channel : | CH18900 (Middle) |
|---|---|---|---|
| Band Width : | 10MHz | | |

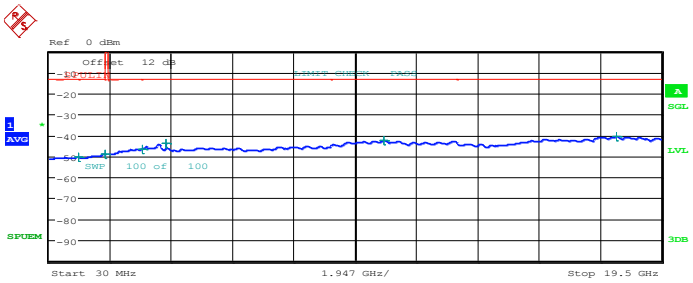
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 926.280000 M | -50.18 | -37.18 |
| 1.000 G | 1.840 G | 1.00 M | 1.791280 G | -48.93 | -35.93 |
| 1.920 G | 3.000 G | 1.00 M | 2.994600 G | -46.54 | -33.54 |
| 3.000 G | 9.000 G | 1.00 M | 3.750000 G | -42.75 | -29.75 |
| 9.000 G | 13.000 G | 1.00 M | 10.676000 G | -42.64 | -29.64 |
| 13.000 G | 19.500 G | 1.00 M | 18.044000 G | -40.44 | -27.44 |

Date: 27.JUL.2014 08:30:40

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

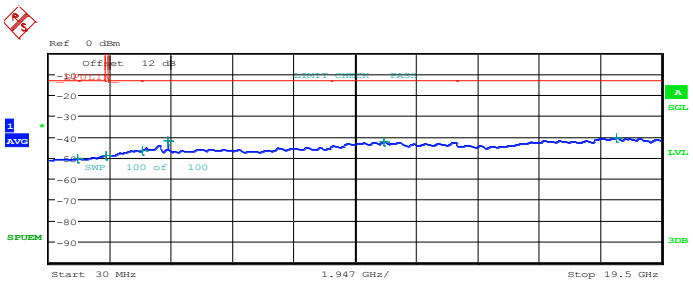



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 970.900000 M | -50.47 | -37.47 |
| 1.000 G | 1.840 G | 1.00 M | 1.818160 G | -49.01 | -36.01 |
| 1.920 G | 3.000 G | 1.00 M | 2.992440 G | -46.54 | -33.54 |
| 3.000 G | 9.000 G | 1.00 M | 3.750000 G | -43.77 | -30.77 |
| 9.000 G | 13.000 G | 1.00 M | 10.660000 G | -42.68 | -29.68 |
| 13.000 G | 19.500 G | 1.00 M | 18.070000 G | -40.40 | -27.40 |

Date: 27.JUL.2014 08:31:39

| Band : | LTE Band 2 | Channel : | CH19150 (High) |
|---|---|---|---|
| Band Width : | 10MHz | | |

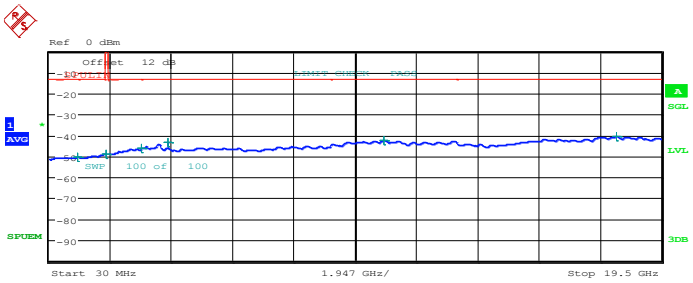
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 926.280000 M | -50.42 | -37.42 |
| 1.000 G | 1.840 G | 1.00 M | 1.834960 G | -48.83 | -35.83 |
| 1.920 G | 3.000 G | 1.00 M | 2.994600 G | -46.56 | -33.56 |
| 3.000 G | 9.000 G | 1.00 M | 3.798000 G | -41.88 | -28.88 |
| 9.000 G | 13.000 G | 1.00 M | 10.672000 G | -42.64 | -29.64 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.50 | -27.50 |

Date: 27.JUL.2014 08:36:40

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

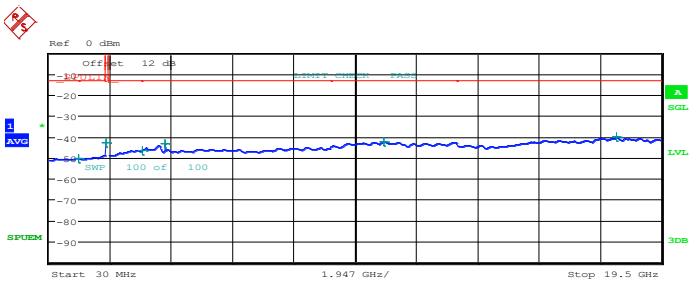



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 939.860000 M | -50.36 | -37.36 |
| 1.000 G | 1.840 G | 1.00 M | 1.838320 G | -48.96 | -35.96 |
| 1.920 G | 3.000 G | 1.00 M | 2.975160 G | -46.32 | -33.32 |
| 3.000 G | 9.000 G | 1.00 M | 3.798000 G | -43.26 | -30.26 |
| 9.000 G | 13.000 G | 1.00 M | 10.656000 G | -42.62 | -29.62 |
| 13.000 G | 19.500 G | 1.00 M | 18.050500 G | -40.40 | -27.40 |

Date: 27.JUL.2014 08:37:38

| Band : | LTE Band 2 | Channel : | CH18675 (Low) |
|---|---|---|---|
| Band Width : | 15MHz | | |

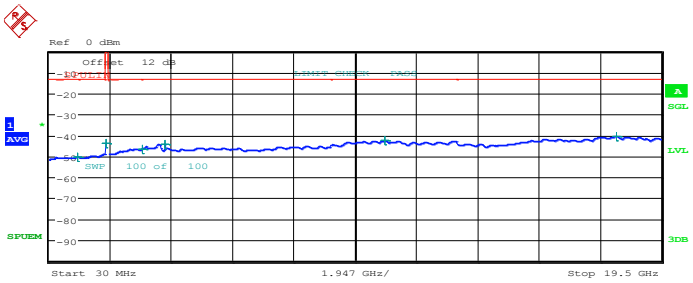
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 965.080000 M | -50.42 | -37.42 |
| 1.000 G | 1.840 G | 1.00 M | 1.838320 G | -42.73 | -29.73 |
| 1.920 G | 3.000 G | 1.00 M | 2.997840 G | -46.50 | -33.50 |
| 3.000 G | 9.000 G | 1.00 M | 3.702000 G | -43.36 | -30.36 |
| 9.000 G | 13.000 G | 1.00 M | 10.672000 G | -42.60 | -29.60 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.37 | -27.37 |

Date: 27.JUL.2014 08:42:39

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

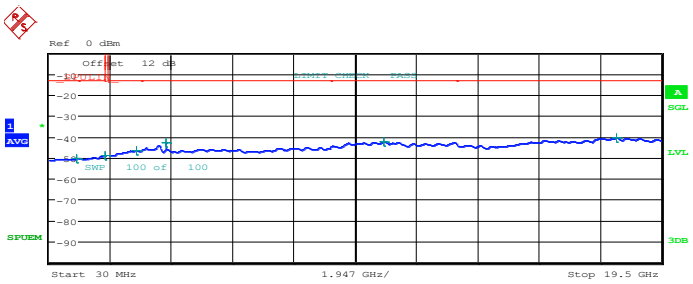



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 938.890000 M | -50.28 | -37.28 |
| 1.000 G | 1.840 G | 1.00 M | 1.838320 G | -43.94 | -30.94 |
| 1.920 G | 3.000 G | 1.00 M | 2.996760 G | -46.56 | -33.56 |
| 3.000 G | 9.000 G | 1.00 M | 3.702000 G | -44.17 | -31.17 |
| 9.000 G | 13.000 G | 1.00 M | 10.704000 G | -42.71 | -29.71 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.42 | -27.42 |

Date: 27.JUL.2014 08:43:38

| Band : | LTE Band 2 | Channel : | CH18900 (Middle) |
|---|---|---|---|
| Band Width : | 15MHz | | |

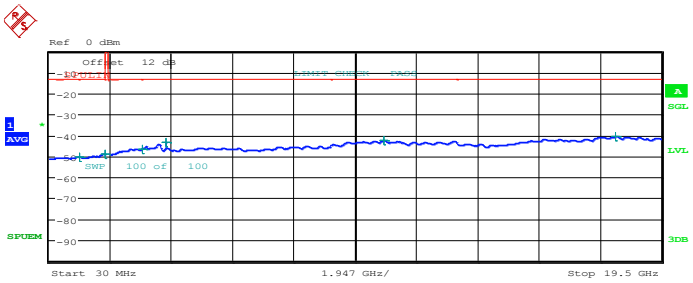
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 896.210000 M | -50.41 | -37.41 |
| 1.000 G | 1.840 G | 1.00 M | 1.794640 G | -48.92 | -35.92 |
| 1.920 G | 3.000 G | 1.00 M | 2.795880 G | -46.57 | -33.57 |
| 3.000 G | 9.000 G | 1.00 M | 3.744000 G | -43.08 | -30.08 |
| 9.000 G | 13.000 G | 1.00 M | 10.672000 G | -42.59 | -29.59 |
| 13.000 G | 19.500 G | 1.00 M | 18.076500 G | -40.45 | -27.45 |

Date: 27.JUL.2014 08:45:37

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

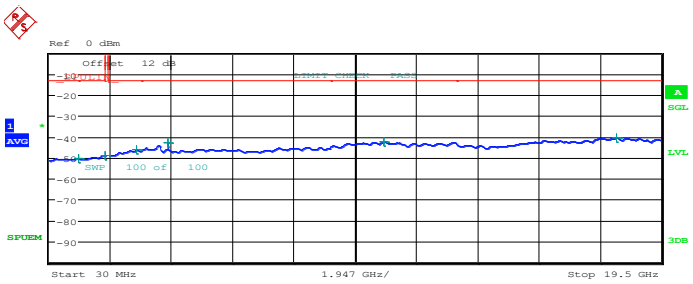



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 982.540000 M | -50.40 | -37.40 |
| 1.000 G | 1.840 G | 1.00 M | 1.809760 G | -48.93 | -35.93 |
| 1.920 G | 3.000 G | 1.00 M | 2.992440 G | -46.53 | -33.53 |
| 3.000 G | 9.000 G | 1.00 M | 3.744000 G | -43.57 | -30.57 |
| 9.000 G | 13.000 G | 1.00 M | 10.680000 G | -42.63 | -29.63 |
| 13.000 G | 19.500 G | 1.00 M | 18.044000 G | -40.43 | -27.43 |

Date: 27.JUL.2014 08:46:35

| Band : | LTE Band 2 | Channel : | CH19125 (High) |
|---|---|---|---|
| Band Width : | 15MHz | | |

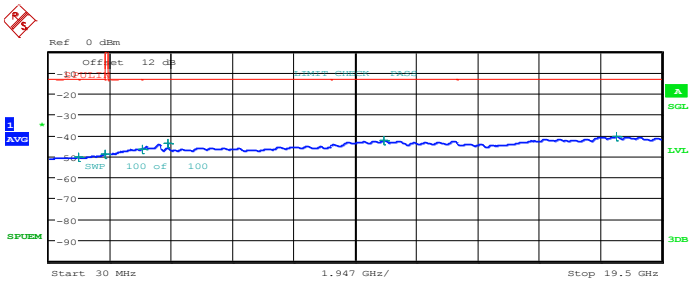
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 956.350000 M | -50.53 | -37.53 |
| 1.000 G | 1.840 G | 1.00 M | 1.803880 G | -48.89 | -35.89 |
| 1.920 G | 3.000 G | 1.00 M | 2.811000 G | -46.47 | -33.47 |
| 3.000 G | 9.000 G | 1.00 M | 3.792000 G | -42.95 | -29.95 |
| 9.000 G | 13.000 G | 1.00 M | 10.668000 G | -42.64 | -29.64 |
| 13.000 G | 19.500 G | 1.00 M | 18.063500 G | -40.49 | -27.49 |

Date: 27.JUL.2014 08:51:36

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

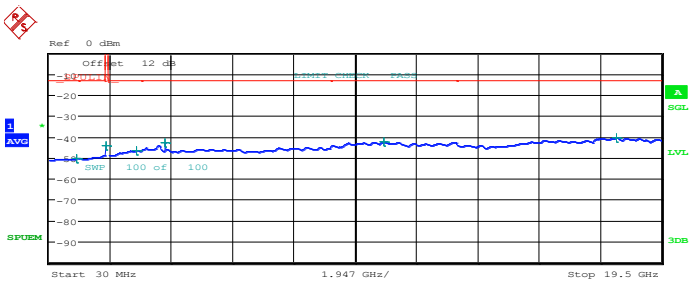



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 968.960000 M | -50.39 | -37.39 |
| 1.000 G | 1.840 G | 1.00 M | 1.824040 G | -48.97 | -35.97 |
| 1.920 G | 3.000 G | 1.00 M | 2.984880 G | -46.56 | -33.56 |
| 3.000 G | 9.000 G | 1.00 M | 3.792000 G | -43.88 | -30.88 |
| 9.000 G | 13.000 G | 1.00 M | 10.664000 G | -42.59 | -29.59 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.39 | -27.39 |

Date: 27.JUL.2014 08:52:35

| Band : | LTE Band 2 | Channel : | CH18700 (Low) |
|---|---|---|---|
| Band Width : | 20MHz | | |

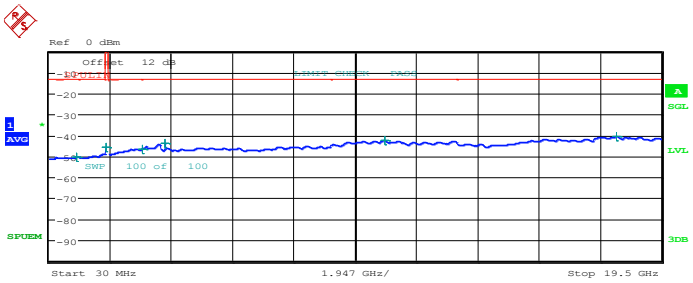
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 898.150000 M | -50.32 | -37.32 |
| 1.000 G | 1.840 G | 1.00 M | 1.834120 G | -44.50 | -31.50 |
| 1.920 G | 3.000 G | 1.00 M | 2.805600 G | -46.48 | -33.48 |
| 3.000 G | 9.000 G | 1.00 M | 3.702000 G | -43.07 | -30.07 |
| 9.000 G | 13.000 G | 1.00 M | 10.672000 G | -42.71 | -29.71 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.43 | -27.43 |

Date: 27.JUL.2014 08:57:37

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

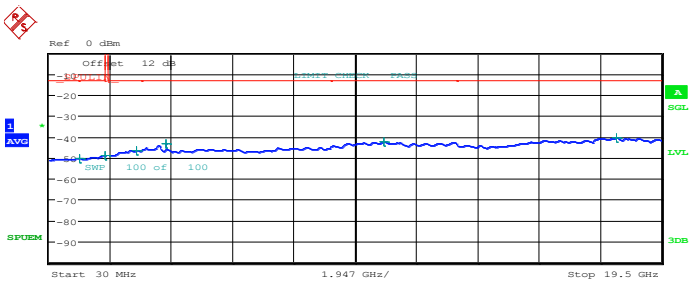



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 914.640000 M | -50.39 | -37.39 |
| 1.000 G | 1.840 G | 1.00 M | 1.834120 G | -45.71 | -32.71 |
| 1.920 G | 3.000 G | 1.00 M | 2.998920 G | -46.58 | -33.58 |
| 3.000 G | 9.000 G | 1.00 M | 3.702000 G | -43.83 | -30.83 |
| 9.000 G | 13.000 G | 1.00 M | 10.696000 G | -42.65 | -29.65 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.42 | -27.42 |

Date: 27.JUL.2014 08:58:36

| Band : | LTE Band 2 | Channel : | CH18900 (Middle) |
|---|---|---|---|
| Band Width : | 20MHz | | |

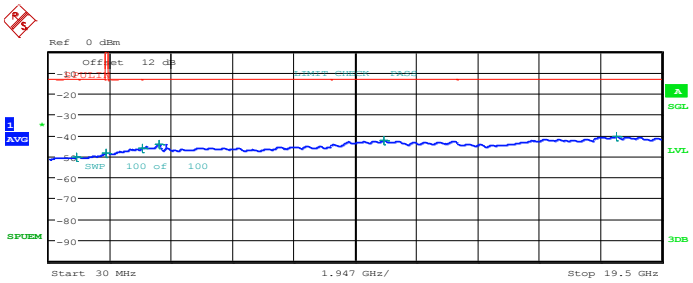
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 985.450000 M | -50.36 | -37.36 |
| 1.000 G | 1.840 G | 1.00 M | 1.795480 G | -48.90 | -35.90 |
| 1.920 G | 3.000 G | 1.00 M | 2.815320 G | -46.54 | -33.54 |
| 3.000 G | 9.000 G | 1.00 M | 3.738000 G | -43.62 | -30.62 |
| 9.000 G | 13.000 G | 1.00 M | 10.668000 G | -42.57 | -29.57 |
| 13.000 G | 19.500 G | 1.00 M | 18.050500 G | -40.39 | -27.39 |

Date: 27.JUL.2014 09:00:35

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

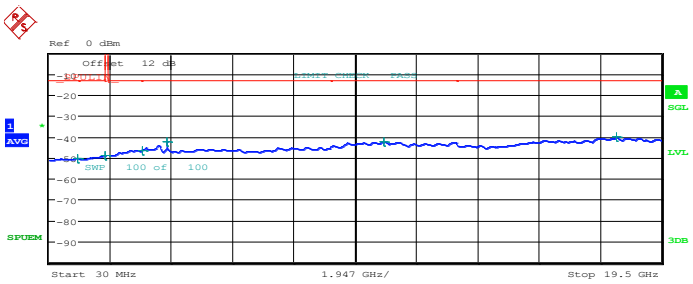



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 905.910000 M | -50.39 | -37.39 |
| 1.000 G | 1.840 G | 1.00 M | 1.836640 G | -48.58 | -35.58 |
| 1.920 G | 3.000 G | 1.00 M | 2.994600 G | -46.47 | -33.47 |
| 3.000 G | 9.000 G | 1.00 M | 3.510000 G | -44.25 | -31.25 |
| 9.000 G | 13.000 G | 1.00 M | 10.676000 G | -42.56 | -29.56 |
| 13.000 G | 19.500 G | 1.00 M | 18.057000 G | -40.46 | -27.46 |

Date: 27.JUL.2014 09:01:33

| Band : | LTE Band 2 | Channel : | CH19100 (High) |
|---|---|---|---|
| Band Width : | 20MHz | | |

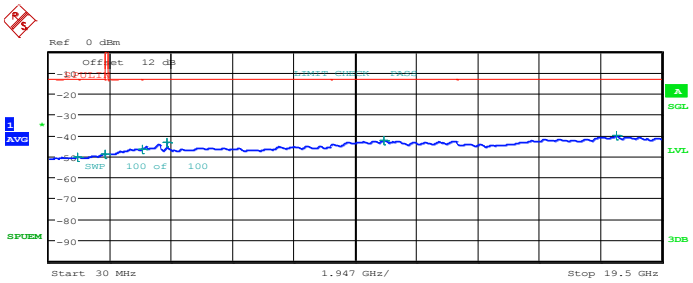
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 931.130000 M | -50.38 | -37.38 |
| 1.000 G | 1.840 G | 1.00 M | 1.814800 G | -48.85 | -35.85 |
| 1.920 G | 3.000 G | 1.00 M | 2.980560 G | -46.58 | -33.58 |
| 3.000 G | 9.000 G | 1.00 M | 3.780000 G | -42.59 | -29.59 |
| 9.000 G | 13.000 G | 1.00 M | 10.664000 G | -42.55 | -29.55 |
| 13.000 G | 19.500 G | 1.00 M | 18.063500 G | -40.36 | -27.36 |

Date: 27.JUL.2014 09:06:37

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

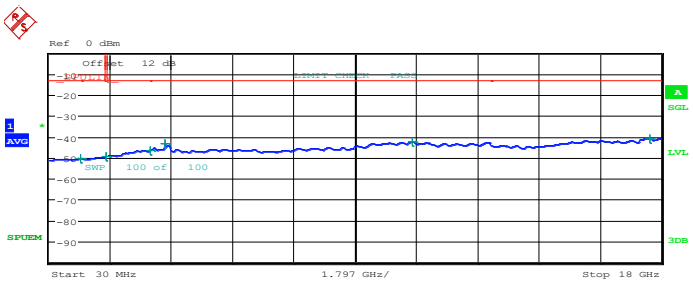



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 921.430000 M | -50.42 | -37.42 |
| 1.000 G | 1.840 G | 1.00 M | 1.818160 G | -48.97 | -35.97 |
| 1.920 G | 3.000 G | 1.00 M | 2.991360 G | -46.52 | -33.52 |
| 3.000 G | 9.000 G | 1.00 M | 3.780000 G | -43.55 | -30.55 |
| 9.000 G | 13.000 G | 1.00 M | 10.672000 G | -42.62 | -29.62 |
| 13.000 G | 19.500 G | 1.00 M | 18.050500 G | -40.36 | -27.36 |

Date: 27.JUL.2014 09:07:35

| Band : | LTE Band 4 | Channel : | CH19957 (Low) |
|---|---|---|---|
| Band Width : | 1.4MHz | | |

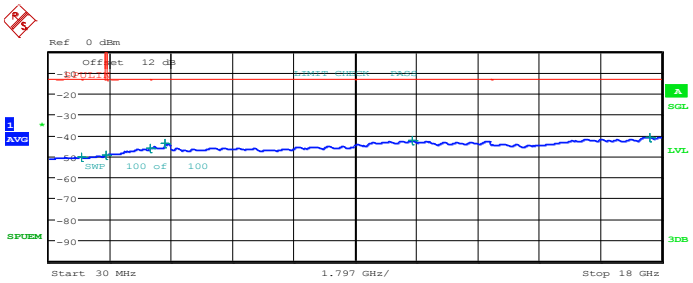
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 946.650000 M | -50.47 | -37.47 |
| 1.000 G | 1.700 G | 1.00 M | 1.691600 G | -49.50 | -36.50 |
| 1.765 G | 3.000 G | 1.00 M | 2.993825 G | -46.49 | -33.49 |
| 3.000 G | 9.000 G | 1.00 M | 3.420000 G | -43.59 | -30.59 |
| 9.000 G | 13.000 G | 1.00 M | 10.672000 G | -42.60 | -29.60 |
| 13.000 G | 18.000 G | 1.00 M | 17.650000 G | -40.89 | -27.89 |

Date: 27.JUL.2014 09:14:44

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

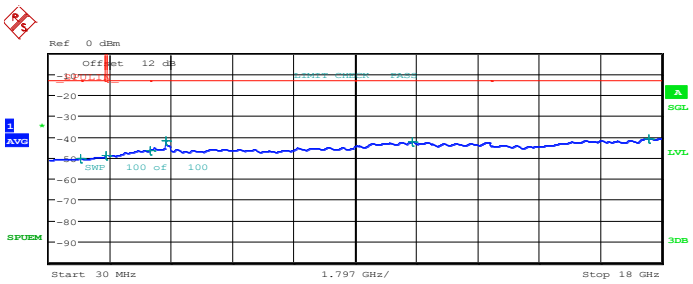



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 966.050000 M | -50.48 | -37.48 |
| 1.000 G | 1.700 G | 1.00 M | 1.693000 G | -49.47 | -36.47 |
| 1.765 G | 3.000 G | 1.00 M | 2.988885 G | -46.43 | -33.43 |
| 3.000 G | 9.000 G | 1.00 M | 3.420000 G | -44.07 | -31.07 |
| 9.000 G | 13.000 G | 1.00 M | 10.684000 G | -42.67 | -29.67 |
| 13.000 G | 18.000 G | 1.00 M | 17.650000 G | -40.92 | -27.92 |

Date: 27.JUL.2014 09:15:43

| Band : | LTE Band 4 | Channel : | CH20175 (Middle) |
|---|---|---|---|
| Band Width : | 1.4MHz | | |

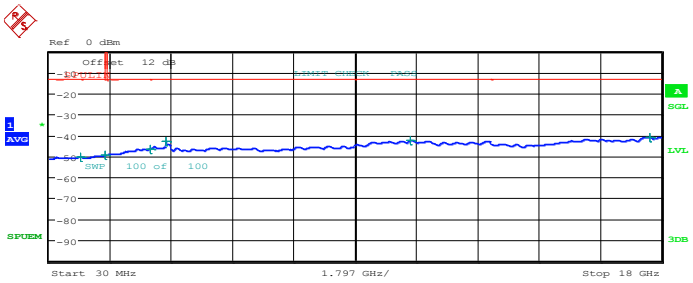
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 949.560000 M | -50.45 | -37.45 |
| 1.000 G | 1.700 G | 1.00 M | 1.699300 G | -49.22 | -36.22 |
| 1.765 G | 3.000 G | 1.00 M | 2.997530 G | -46.53 | -33.53 |
| 3.000 G | 9.000 G | 1.00 M | 3.462000 G | -42.11 | -29.11 |
| 9.000 G | 13.000 G | 1.00 M | 10.680000 G | -42.63 | -29.63 |
| 13.000 G | 18.000 G | 1.00 M | 17.635000 G | -40.92 | -27.92 |

Date: 27.JUL.2014 09:17:42

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

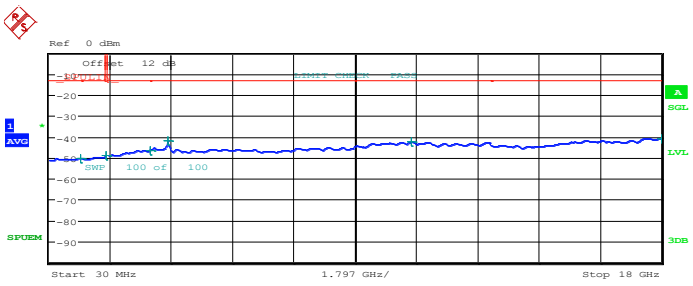



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 944.710000 M | -50.40 | -37.40 |
| 1.000 G | 1.700 G | 1.00 M | 1.677600 G | -49.43 | -36.43 |
| 1.765 G | 3.000 G | 1.00 M | 2.997530 G | -46.68 | -33.68 |
| 3.000 G | 9.000 G | 1.00 M | 3.462000 G | -42.88 | -29.88 |
| 9.000 G | 13.000 G | 1.00 M | 10.632000 G | -42.61 | -29.61 |
| 13.000 G | 18.000 G | 1.00 M | 17.655000 G | -40.95 | -27.95 |

Date: 27.JUL.2014 09:18:40

| Band : | LTE Band 4 | Channel : | CH20393 (High) |
|---|---|---|---|
| Band Width : | 1.4MHz | | |

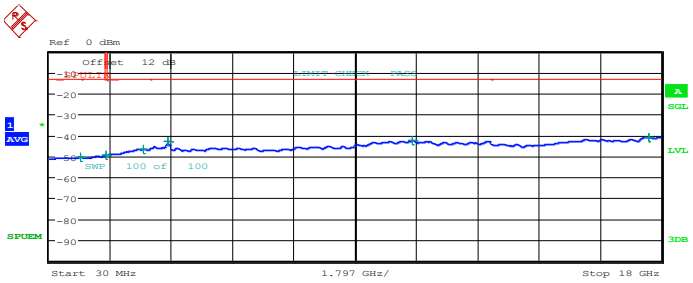
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 940.830000 M | -50.47 | -37.47 |
| 1.000 G | 1.700 G | 1.00 M | 1.697200 G | -49.29 | -36.29 |
| 1.765 G | 3.000 G | 1.00 M | 2.995060 G | -46.51 | -33.51 |
| 3.000 G | 9.000 G | 1.00 M | 3.504000 G | -42.23 | -29.23 |
| 9.000 G | 13.000 G | 1.00 M | 10.668000 G | -42.60 | -29.60 |
| 13.000 G | 18.000 G | 1.00 M | 17.995000 G | -40.89 | -27.89 |

Date: 27.JUL.2014 09:23:41

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

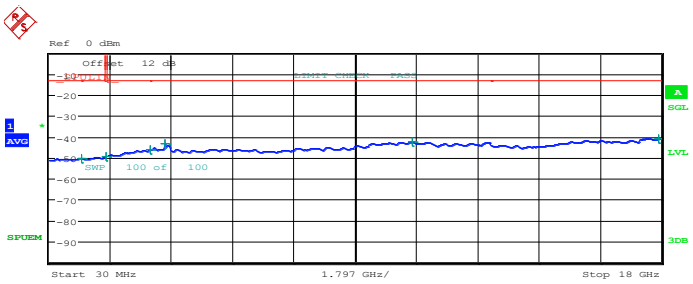



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 941.800000 M | -50.32 | -37.32 |
| 1.000 G | 1.700 G | 1.00 M | 1.691600 G | -49.36 | -36.36 |
| 1.765 G | 3.000 G | 1.00 M | 2.806105 G | -46.58 | -33.58 |
| 3.000 G | 9.000 G | 1.00 M | 3.504000 G | -42.94 | -29.94 |
| 9.000 G | 13.000 G | 1.00 M | 10.680000 G | -42.54 | -29.54 |
| 13.000 G | 18.000 G | 1.00 M | 17.635000 G | -40.89 | -27.89 |

Date: 27.JUL.2014 09:24:40

| Band : | LTE Band 4 | Channel : | CH19965 (Low) |
|---|---|---|---|
| Band Width : | 3MHz | | |

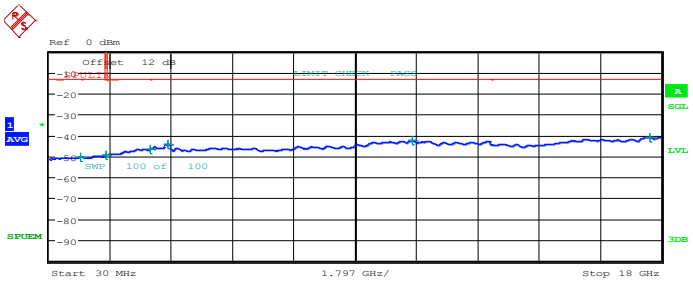
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 976.720000 M | -50.36 | -37.36 |
| 1.000 G | 1.700 G | 1.00 M | 1.698600 G | -49.35 | -36.35 |
| 1.765 G | 3.000 G | 1.00 M | 3.000000 G | -46.45 | -33.45 |
| 3.000 G | 9.000 G | 1.00 M | 3.420000 G | -43.63 | -30.63 |
| 9.000 G | 13.000 G | 1.00 M | 10.692000 G | -42.61 | -29.61 |
| 13.000 G | 18.000 G | 1.00 M | 17.925000 G | -40.97 | -27.97 |

Date: 27.JUL.2014 09:33:30

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

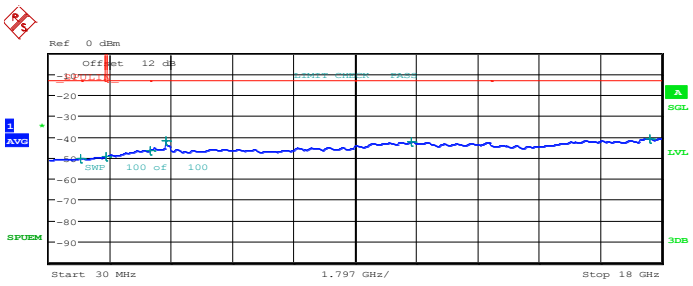



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 959.260000 M | -50.38 | -37.38 |
| 1.000 G | 1.700 G | 1.00 M | 1.698600 G | -49.30 | -36.30 |
| 1.765 G | 3.000 G | 1.00 M | 2.987650 G | -46.53 | -33.53 |
| 3.000 G | 9.000 G | 1.00 M | 3.510000 G | -44.28 | -31.28 |
| 9.000 G | 13.000 G | 1.00 M | 10.672000 G | -42.58 | -29.58 |
| 13.000 G | 18.000 G | 1.00 M | 17.665000 G | -40.89 | -27.89 |

Date: 27.JUL.2014 09:34:28

| Band : | LTE Band 4 | Channel : | CH20175 (Middle) |
|---|---|---|---|
| Band Width : | 3MHz | | |

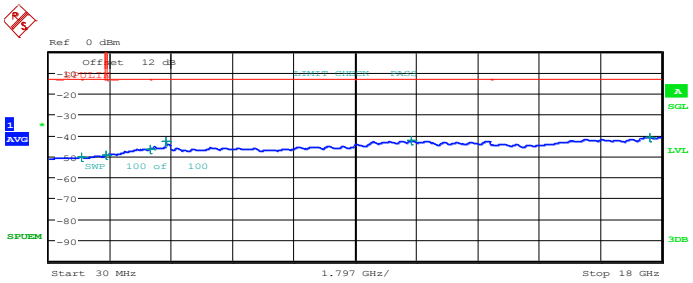
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 964.110000 M | -50.35 | -37.35 |
| 1.000 G | 1.700 G | 1.00 M | 1.695800 G | -49.49 | -36.49 |
| 1.765 G | 3.000 G | 1.00 M | 2.993825 G | -46.58 | -33.58 |
| 3.000 G | 9.000 G | 1.00 M | 3.462000 G | -42.02 | -29.02 |
| 9.000 G | 13.000 G | 1.00 M | 10.656000 G | -42.57 | -29.57 |
| 13.000 G | 18.000 G | 1.00 M | 17.660000 G | -40.95 | -27.95 |

Date: 27.JUL.2014 09:36:27

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

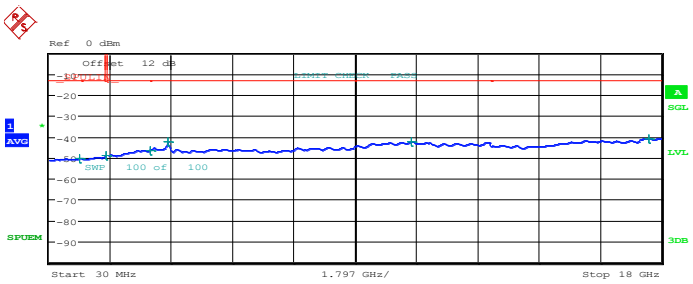



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 976.720000 M | -50.50 | -37.50 |
| 1.000 G | 1.700 G | 1.00 M | 1.697900 G | -49.48 | -36.48 |
| 1.765 G | 3.000 G | 1.00 M | 2.996295 G | -46.51 | -33.51 |
| 3.000 G | 9.000 G | 1.00 M | 3.462000 G | -42.93 | -29.93 |
| 9.000 G | 13.000 G | 1.00 M | 10.668000 G | -42.64 | -29.64 |
| 13.000 G | 18.000 G | 1.00 M | 17.645000 G | -40.95 | -27.95 |

Date: 27.JUL.2014 09:37:26

| Band : | LTE Band 4 | Channel : | CH20385 (High) |
|---|---|---|---|
| Band Width : | 3MHz | | |

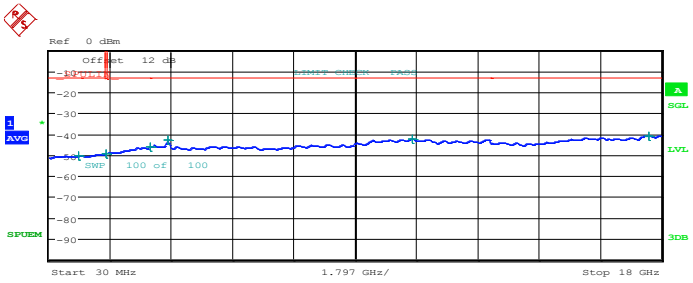
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 934.040000 M | -50.25 | -37.25 |
| 1.000 G | 1.700 G | 1.00 M | 1.693700 G | -49.23 | -36.23 |
| 1.765 G | 3.000 G | 1.00 M | 2.993825 G | -46.52 | -33.52 |
| 3.000 G | 9.000 G | 1.00 M | 3.504000 G | -42.31 | -29.31 |
| 9.000 G | 13.000 G | 1.00 M | 10.660000 G | -42.62 | -29.62 |
| 13.000 G | 18.000 G | 1.00 M | 17.640000 G | -40.98 | -27.98 |

Date: 27.JUL.2014 09:42:27

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

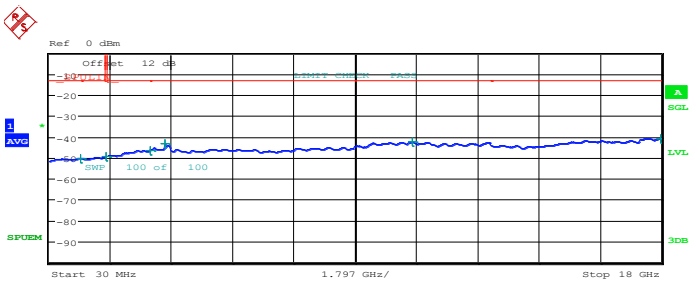



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 907.850000 M | -50.52 | -37.52 |
| 1.000 G | 1.700 G | 1.00 M | 1.688800 G | -49.51 | -36.51 |
| 1.765 G | 3.000 G | 1.00 M | 2.993825 G | -46.32 | -33.32 |
| 3.000 G | 9.000 G | 1.00 M | 3.504000 G | -42.89 | -29.89 |
| 9.000 G | 13.000 G | 1.00 M | 10.684000 G | -42.62 | -29.62 |
| 13.000 G | 18.000 G | 1.00 M | 17.620000 G | -40.99 | -27.99 |

Date: 27.JUL.2014 09:43:26

| Band : | LTE Band 4 | Channel : | CH19975 (Low) |
|---|---|---|---|
| Band Width : | 5MHz | | |

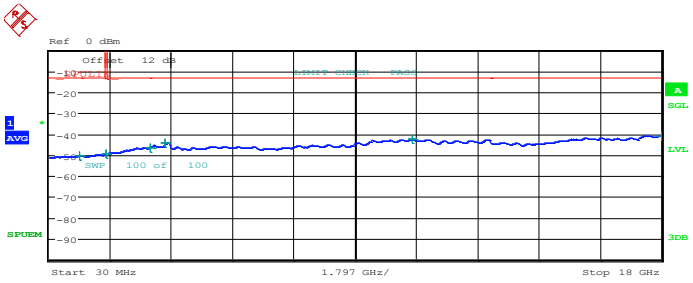
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 962.170000 M | -50.38 | -37.38 |
| 1.000 G | 1.700 G | 1.00 M | 1.698600 G | -49.33 | -36.33 |
| 1.765 G | 3.000 G | 1.00 M | 2.993825 G | -46.56 | -33.56 |
| 3.000 G | 9.000 G | 1.00 M | 3.420000 G | -43.48 | -30.48 |
| 9.000 G | 13.000 G | 1.00 M | 10.684000 G | -42.58 | -29.58 |
| 13.000 G | 18.000 G | 1.00 M | 17.985000 G | -40.94 | -27.94 |

Date: 27.JUL.2014 09:48:27

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

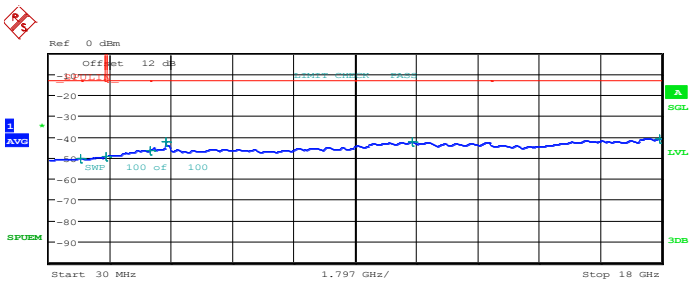



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 911.730000 M | -50.44 | -37.44 |
| 1.000 G | 1.700 G | 1.00 M | 1.695100 G | -49.49 | -36.49 |
| 1.765 G | 3.000 G | 1.00 M | 2.996295 G | -46.51 | -33.51 |
| 3.000 G | 9.000 G | 1.00 M | 3.420000 G | -44.16 | -31.16 |
| 9.000 G | 13.000 G | 1.00 M | 10.688000 G | -42.60 | -29.60 |
| 13.000 G | 18.000 G | 1.00 M | 17.995000 G | -40.91 | -27.91 |

Date: 27.JUL.2014 09:49:26

| Band : | LTE Band 4 | Channel : | CH20175 (Middle) |
|---|---|---|---|
| Band Width : | 5MHz | | |

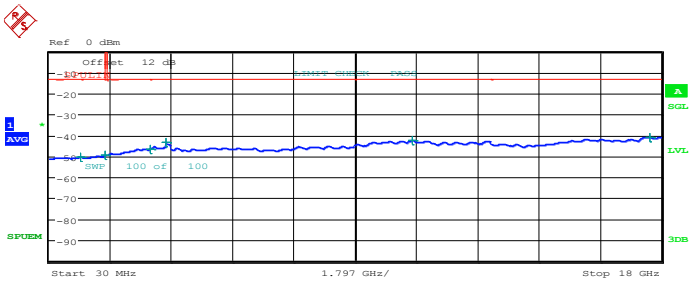
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 948.590000 M | -50.38 | -37.38 |
| 1.000 G | 1.700 G | 1.00 M | 1.692300 G | -49.36 | -36.36 |
| 1.765 G | 3.000 G | 1.00 M | 2.998765 G | -46.62 | -33.62 |
| 3.000 G | 9.000 G | 1.00 M | 3.456000 G | -42.71 | -29.71 |
| 9.000 G | 13.000 G | 1.00 M | 10.676000 G | -42.59 | -29.59 |
| 13.000 G | 18.000 G | 1.00 M | 17.935000 G | -40.91 | -27.91 |

Date: 27.JUL.2014 09:51:25

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

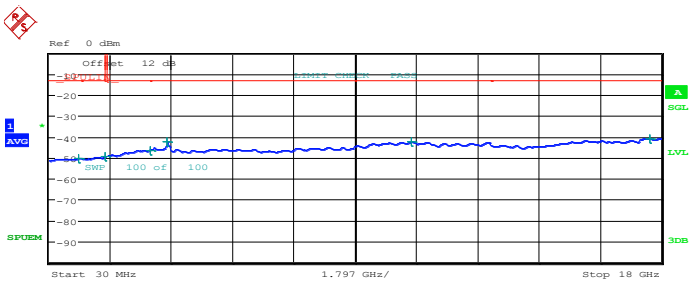



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 946.650000 M | -50.54 | -37.54 |
| 1.000 G | 1.700 G | 1.00 M | 1.680400 G | -49.43 | -36.43 |
| 1.765 G | 3.000 G | 1.00 M | 2.995060 G | -46.54 | -33.54 |
| 3.000 G | 9.000 G | 1.00 M | 3.456000 G | -43.25 | -30.25 |
| 9.000 G | 13.000 G | 1.00 M | 10.688000 G | -42.63 | -29.63 |
| 13.000 G | 18.000 G | 1.00 M | 17.650000 G | -40.94 | -27.94 |

Date: 27.JUL.2014 09:52:23

| Band : | LTE Band 4 | Channel : | CH20375 (High) |
|---|---|---|---|
| Band Width : | 5MHz | | |

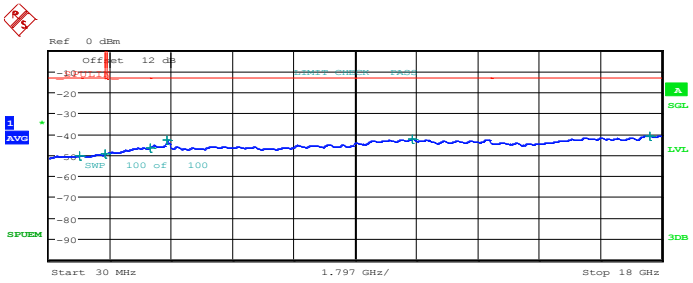
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 894.270000 M | -50.42 | -37.42 |
| 1.000 G | 1.700 G | 1.00 M | 1.676200 G | -49.52 | -36.52 |
| 1.765 G | 3.000 G | 1.00 M | 2.997530 G | -46.49 | -33.49 |
| 3.000 G | 9.000 G | 1.00 M | 3.498000 G | -42.45 | -29.45 |
| 9.000 G | 13.000 G | 1.00 M | 10.660000 G | -42.59 | -29.59 |
| 13.000 G | 18.000 G | 1.00 M | 17.655000 G | -41.00 | -28.00 |

Date: 27.JUL.2014 09:57:24

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

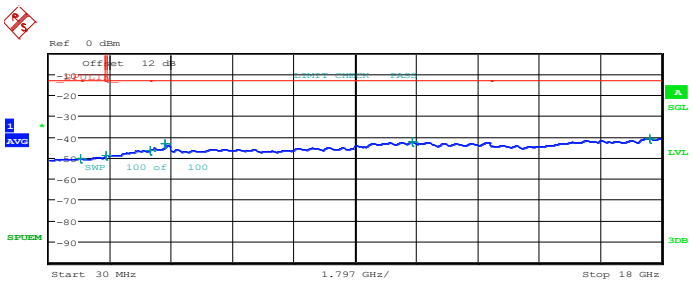



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 927.250000 M | -50.37 | -37.37 |
| 1.000 G | 1.700 G | 1.00 M | 1.681800 G | -49.54 | -36.54 |
| 1.765 G | 3.000 G | 1.00 M | 2.995060 G | -46.52 | -33.52 |
| 3.000 G | 9.000 G | 1.00 M | 3.498000 G | -42.81 | -29.81 |
| 9.000 G | 13.000 G | 1.00 M | 10.672000 G | -42.59 | -29.59 |
| 13.000 G | 18.000 G | 1.00 M | 17.660000 G | -40.94 | -27.94 |

Date: 27.JUL.2014 09:58:23

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

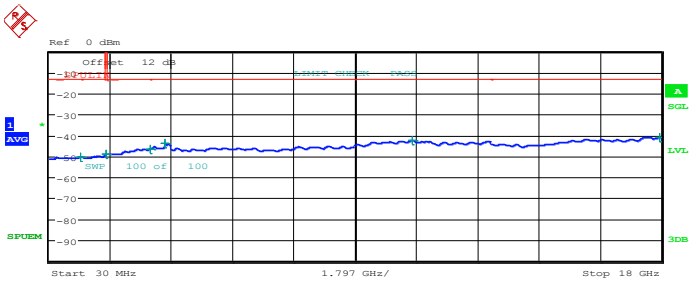
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 956.350000 M | -50.45 | -37.45 |
| 1.000 G | 1.700 G | 1.00 M | 1.697900 G | -49.03 | -36.03 |
| 1.765 G | 3.000 G | 1.00 M | 2.993825 G | -46.60 | -33.60 |
| 3.000 G | 9.000 G | 1.00 M | 3.420000 G | -43.55 | -30.55 |
| 9.000 G | 13.000 G | 1.00 M | 10.672000 G | -42.63 | -29.63 |
| 13.000 G | 18.000 G | 1.00 M | 17.660000 G | -40.90 | -27.90 |

Date: 27.JUL.2014 10:11:56

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

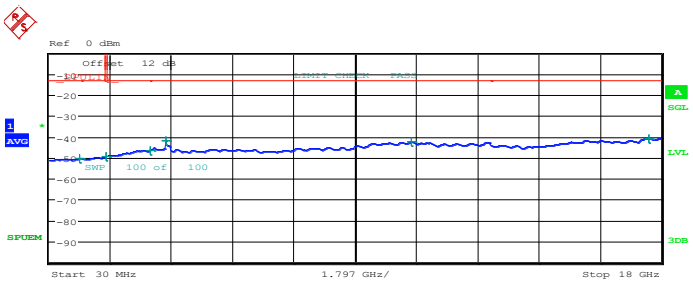



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 937.920000 M | -50.47 | -37.47 |
| 1.000 G | 1.700 G | 1.00 M | 1.693000 G | -49.26 | -36.26 |
| 1.765 G | 3.000 G | 1.00 M | 2.988885 G | -46.59 | -33.59 |
| 3.000 G | 9.000 G | 1.00 M | 3.420000 G | -43.97 | -30.97 |
| 9.000 G | 13.000 G | 1.00 M | 10.676000 G | -42.57 | -29.57 |
| 13.000 G | 18.000 G | 1.00 M | 17.930000 G | -40.90 | -27.90 |

Date: 27.JUL.2014 10:12:55

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

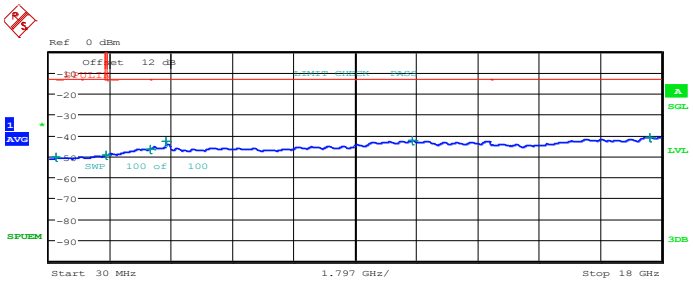
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 932.100000 M | -50.45 | -37.45 |
| 1.000 G | 1.700 G | 1.00 M | 1.692300 G | -49.45 | -36.45 |
| 1.765 G | 3.000 G | 1.00 M | 2.986415 G | -46.63 | -33.63 |
| 3.000 G | 9.000 G | 1.00 M | 3.456000 G | -42.14 | -29.14 |
| 9.000 G | 13.000 G | 1.00 M | 10.668000 G | -42.58 | -29.58 |
| 13.000 G | 18.000 G | 1.00 M | 17.630000 G | -40.94 | -27.94 |

Date: 27.JUL.2014 10:14:55

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

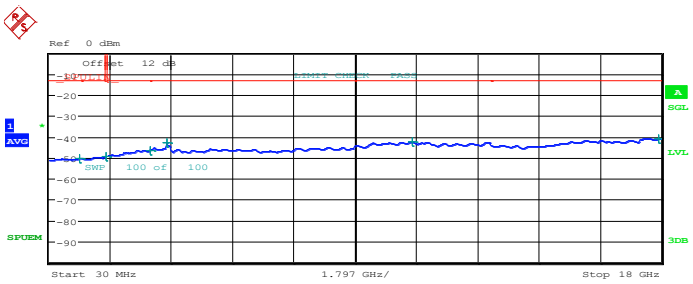



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 244.370000 M | -50.43 | -37.43 |
| 1.000 G | 1.700 G | 1.00 M | 1.692300 G | -49.48 | -36.48 |
| 1.765 G | 3.000 G | 1.00 M | 2.992590 G | -46.53 | -33.53 |
| 3.000 G | 9.000 G | 1.00 M | 3.456000 G | -43.02 | -30.02 |
| 9.000 G | 13.000 G | 1.00 M | 10.688000 G | -42.69 | -29.69 |
| 13.000 G | 18.000 G | 1.00 M | 17.660000 G | -40.93 | -27.93 |

Date: 27.JUL.2014 10:15:53

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

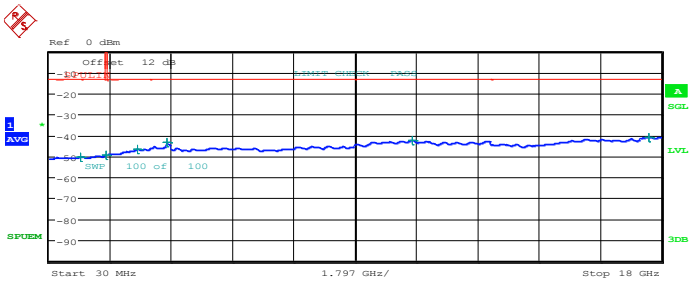
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 922.400000 M | -50.50 | -37.50 |
| 1.000 G | 1.700 G | 1.00 M | 1.697900 G | -49.41 | -36.41 |
| 1.765 G | 3.000 G | 1.00 M | 2.997530 G | -46.59 | -33.59 |
| 3.000 G | 9.000 G | 1.00 M | 3.492000 G | -43.11 | -30.11 |
| 9.000 G | 13.000 G | 1.00 M | 10.676000 G | -42.56 | -29.56 |
| 13.000 G | 18.000 G | 1.00 M | 17.910000 G | -40.93 | -27.93 |

Date: 27.JUL.2014 10:20:55

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

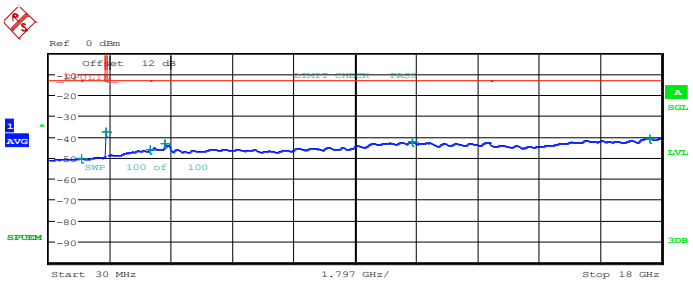



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 945.680000 M | -50.37 | -37.37 |
| 1.000 G | 1.700 G | 1.00 M | 1.688100 G | -49.38 | -36.38 |
| 1.765 G | 3.000 G | 1.00 M | 2.628265 G | -46.60 | -33.60 |
| 3.000 G | 9.000 G | 1.00 M | 3.492000 G | -43.46 | -30.46 |
| 9.000 G | 13.000 G | 1.00 M | 10.676000 G | -42.61 | -29.61 |
| 13.000 G | 18.000 G | 1.00 M | 17.625000 G | -40.92 | -27.92 |

Date: 27.JUL.2014 10:21:54

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

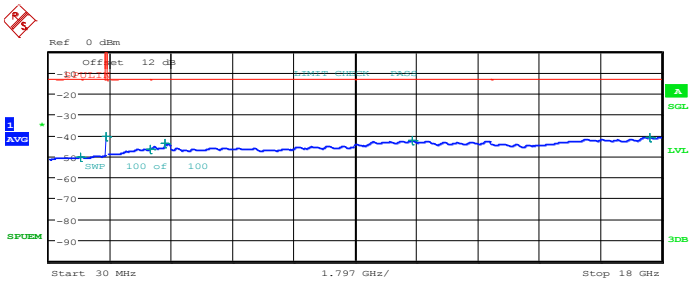
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 967.020000 M | -50.47 | -37.47 |
| 1.000 G | 1.700 G | 1.00 M | 1.697900 G | -37.84 | -24.84 |
| 1.765 G | 3.000 G | 1.00 M | 2.996295 G | -46.44 | -33.44 |
| 3.000 G | 9.000 G | 1.00 M | 3.420000 G | -43.53 | -30.53 |
| 9.000 G | 13.000 G | 1.00 M | 10.672000 G | -42.64 | -29.64 |
| 13.000 G | 18.000 G | 1.00 M | 17.655000 G | -40.90 | -27.90 |

Date: 27.JUL.2014 10:26:56

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

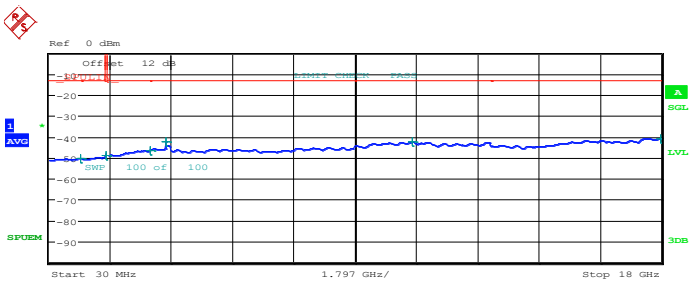



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 942.770000 M | -50.40 | -37.40 |
| 1.000 G | 1.700 G | 1.00 M | 1.697900 G | -40.63 | -27.63 |
| 1.765 G | 3.000 G | 1.00 M | 2.993825 G | -46.58 | -33.58 |
| 3.000 G | 9.000 G | 1.00 M | 3.420000 G | -44.12 | -31.12 |
| 9.000 G | 13.000 G | 1.00 M | 10.680000 G | -42.61 | -29.61 |
| 13.000 G | 18.000 G | 1.00 M | 17.650000 G | -40.90 | -27.90 |

Date: 27.JUL.2014 10:27:54

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

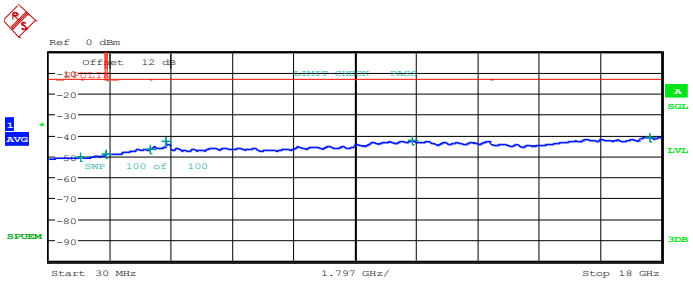
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 965.080000 M | -50.53 | -37.53 |
| 1.000 G | 1.700 G | 1.00 M | 1.699300 G | -48.89 | -35.89 |
| 1.765 G | 3.000 G | 1.00 M | 2.996295 G | -46.54 | -33.54 |
| 3.000 G | 9.000 G | 1.00 M | 3.450000 G | -42.31 | -29.31 |
| 9.000 G | 13.000 G | 1.00 M | 10.672000 G | -42.64 | -29.64 |
| 13.000 G | 18.000 G | 1.00 M | 17.985000 G | -40.94 | -27.94 |

Date: 27.JUL.2014 10:29:53

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

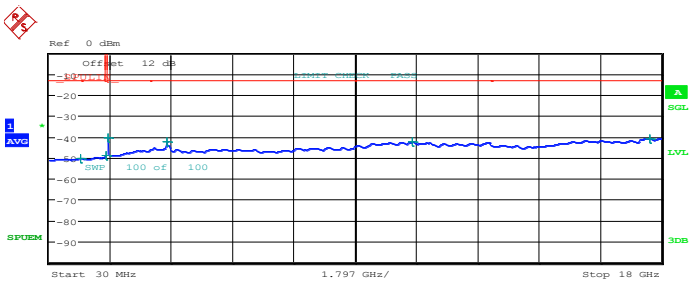



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 959.260000 M | -50.43 | -37.43 |
| 1.000 G | 1.700 G | 1.00 M | 1.699300 G | -49.07 | -36.07 |
| 1.765 G | 3.000 G | 1.00 M | 2.996295 G | -46.51 | -33.51 |
| 3.000 G | 9.000 G | 1.00 M | 3.450000 G | -43.01 | -30.01 |
| 9.000 G | 13.000 G | 1.00 M | 10.684000 G | -42.60 | -29.60 |
| 13.000 G | 18.000 G | 1.00 M | 17.660000 G | -40.98 | -27.98 |

Date: 27.JUL.2014 10:30:52

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

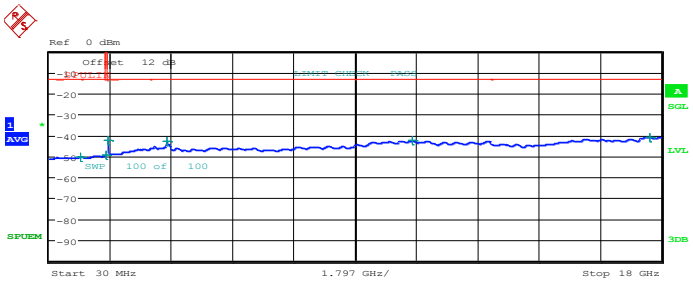
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 957.320000 M | -50.48 | -37.48 |
| 1.000 G | 1.700 G | 1.00 M | 1.699300 G | -49.28 | -36.28 |
| 1.765 G | 3.000 G | 1.00 M | 1.767470 G | -40.83 | -27.83 |
| 3.000 G | 9.000 G | 1.00 M | 3.480000 G | -42.27 | -29.27 |
| 9.000 G | 13.000 G | 1.00 M | 10.684000 G | -42.63 | -29.63 |
| 13.000 G | 18.000 G | 1.00 M | 17.650000 G | -40.93 | -27.93 |

Date: 27.JUL.2014 10:35:54

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

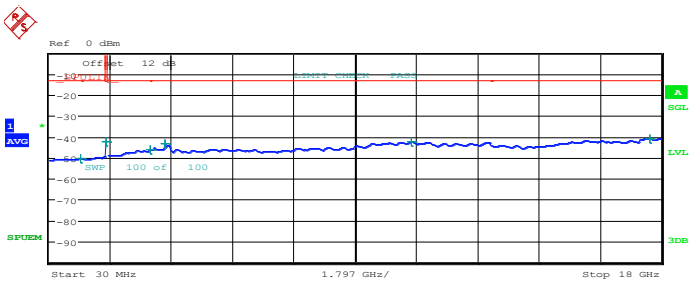



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 952.470000 M | -50.32 | -37.32 |
| 1.000 G | 1.700 G | 1.00 M | 1.686700 G | -49.54 | -36.54 |
| 1.765 G | 3.000 G | 1.00 M | 1.767470 G | -42.39 | -29.39 |
| 3.000 G | 9.000 G | 1.00 M | 3.480000 G | -43.07 | -30.07 |
| 9.000 G | 13.000 G | 1.00 M | 10.672000 G | -42.62 | -29.62 |
| 13.000 G | 18.000 G | 1.00 M | 17.655000 G | -40.96 | -27.96 |

Date: 27.JUL.2014 10:36:52

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

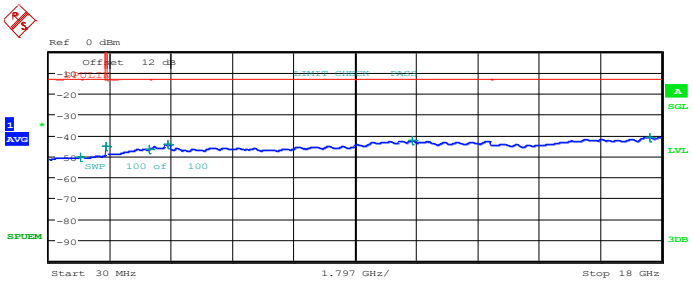
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 954.410000 M | -50.38 | -37.38 |
| 1.000 G | 1.700 G | 1.00 M | 1.693700 G | -42.55 | -29.55 |
| 1.765 G | 3.000 G | 1.00 M | 2.995060 G | -46.44 | -33.44 |
| 3.000 G | 9.000 G | 1.00 M | 3.420000 G | -43.61 | -30.61 |
| 9.000 G | 13.000 G | 1.00 M | 10.644000 G | -42.63 | -29.63 |
| 13.000 G | 18.000 G | 1.00 M | 17.655000 G | -40.96 | -27.96 |

Date: 27.JUL.2014 10:42:01

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

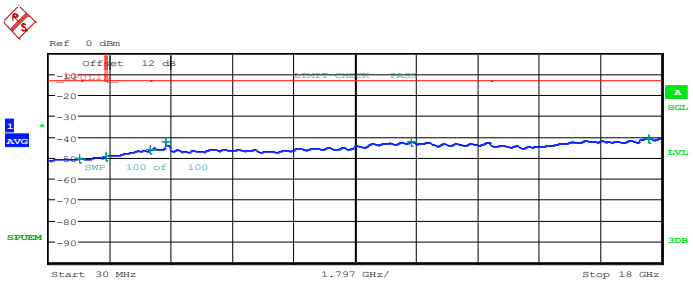



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 965.080000 M | -50.42 | -37.42 |
| 1.000 G | 1.700 G | 1.00 M | 1.693700 G | -45.20 | -32.20 |
| 1.765 G | 3.000 G | 1.00 M | 2.976535 G | -46.57 | -33.57 |
| 3.000 G | 9.000 G | 1.00 M | 3.510000 G | -44.35 | -31.35 |
| 9.000 G | 13.000 G | 1.00 M | 10.688000 G | -42.68 | -29.68 |
| 13.000 G | 18.000 G | 1.00 M | 17.645000 G | -40.85 | -27.85 |

Date: 27.JUL.2014 10:43:00

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

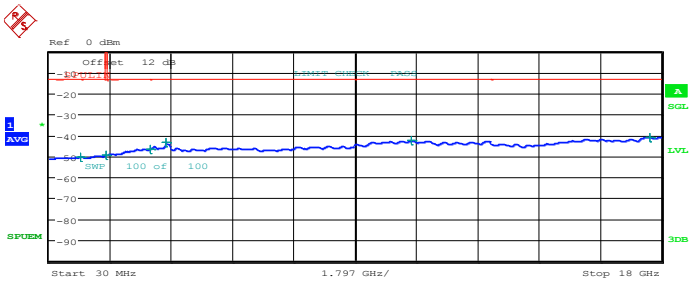
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 913.670000 M | -50.34 | -37.34 |
| 1.000 G | 1.700 G | 1.00 M | 1.697900 G | -49.42 | -36.42 |
| 1.765 G | 3.000 G | 1.00 M | 2.998765 G | -46.31 | -33.31 |
| 3.000 G | 9.000 G | 1.00 M | 3.444000 G | -42.50 | -29.50 |
| 9.000 G | 13.000 G | 1.00 M | 10.664000 G | -42.66 | -29.66 |
| 13.000 G | 18.000 G | 1.00 M | 17.640000 G | -40.89 | -27.89 |

Date: 27.JUL.2014 10:44:59

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

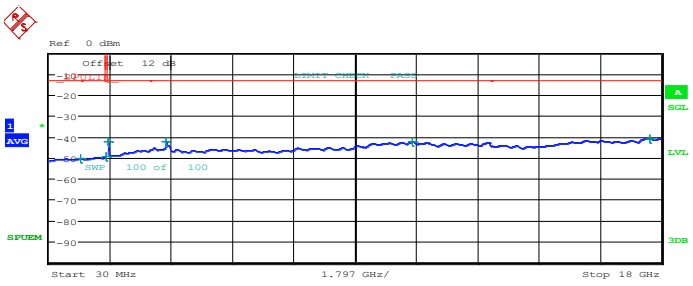



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 939.860000 M | -50.42 | -37.42 |
| 1.000 G | 1.700 G | 1.00 M | 1.688100 G | -49.38 | -36.38 |
| 1.765 G | 3.000 G | 1.00 M | 2.990120 G | -46.55 | -33.55 |
| 3.000 G | 9.000 G | 1.00 M | 3.444000 G | -43.39 | -30.39 |
| 9.000 G | 13.000 G | 1.00 M | 10.648000 G | -42.68 | -29.68 |
| 13.000 G | 18.000 G | 1.00 M | 17.655000 G | -40.98 | -27.98 |

Date: 27.JUL.2014 10:45:58

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

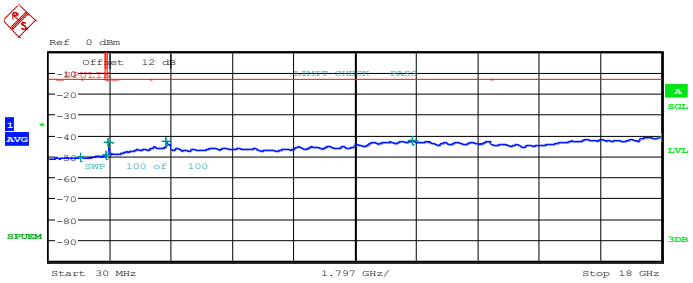
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 942.770000 M | -50.35 | -37.35 |
| 1.000 G | 1.700 G | 1.00 M | 1.695800 G | -49.40 | -36.40 |
| 1.765 G | 3.000 G | 1.00 M | 1.771175 G | -42.37 | -29.37 |
| 3.000 G | 9.000 G | 1.00 M | 3.468000 G | -42.40 | -29.40 |
| 9.000 G | 13.000 G | 1.00 M | 10.680000 G | -42.62 | -29.62 |
| 13.000 G | 18.000 G | 1.00 M | 17.660000 G | -40.91 | -27.91 |

Date: 27.JUL.2014 10:50:59

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

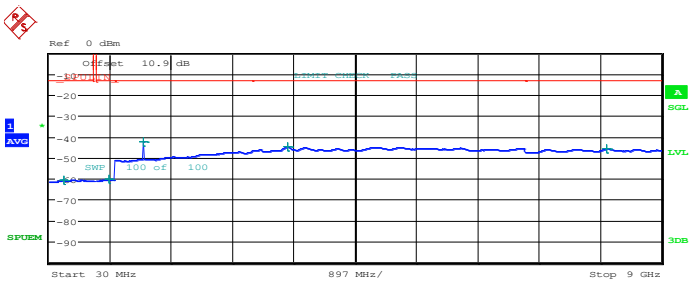



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 942.770000 M | -50.42 | -37.42 |
| 1.000 G | 1.700 G | 1.00 M | 1.689500 G | -49.44 | -36.44 |
| 1.765 G | 3.000 G | 1.00 M | 1.771175 G | -43.55 | -30.55 |
| 3.000 G | 9.000 G | 1.00 M | 3.468000 G | -42.97 | -29.97 |
| 9.000 G | 13.000 G | 1.00 M | 10.684000 G | -42.62 | -29.62 |
| 13.000 G | 18.000 G | 1.00 M | 17.995000 G | -40.96 | -27.96 |

Date: 27.JUL.2014 10:51:57

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

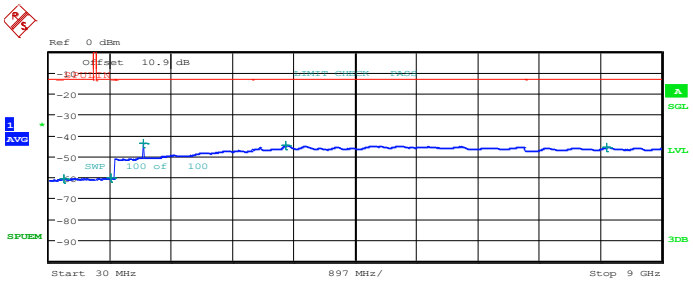
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 690.000 M | 100.00 k | 241.860000 M | -60.68 | -47.68 |
| 725.000 M | 1.000 G | 100.00 k | 913.375000 M | -60.53 | -47.53 |
| 1.000 G | 3.000 G | 1.00 M | 1.408000 G | -42.72 | -29.72 |
| 3.000 G | 7.000 G | 1.00 M | 3.520000 G | -44.97 | -31.97 |
| 7.000 G | 9.000 G | 1.00 M | 8.202000 G | -45.89 | -32.89 |

Date: 28.JUL.2014 19:46:45

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

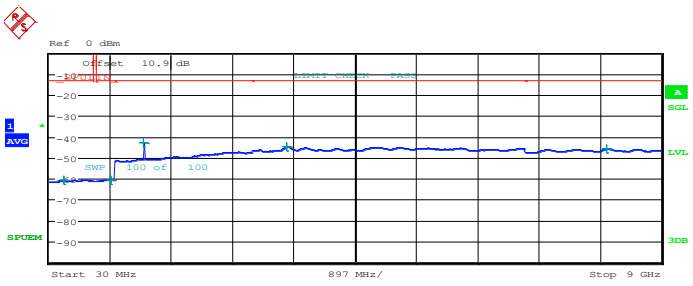



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 690.000 M | 100.00 k | 245.820000 M | -60.78 | -47.78 |
| 725.000 M | 1.000 G | 100.00 k | 930.700000 M | -60.55 | -47.55 |
| 1.000 G | 3.000 G | 1.00 M | 1.408000 G | -44.07 | -31.07 |
| 3.000 G | 7.000 G | 1.00 M | 3.500000 G | -44.95 | -31.95 |
| 7.000 G | 9.000 G | 1.00 M | 8.196000 G | -45.92 | -32.92 |

Date: 28.JUL.2014 19:47:44

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

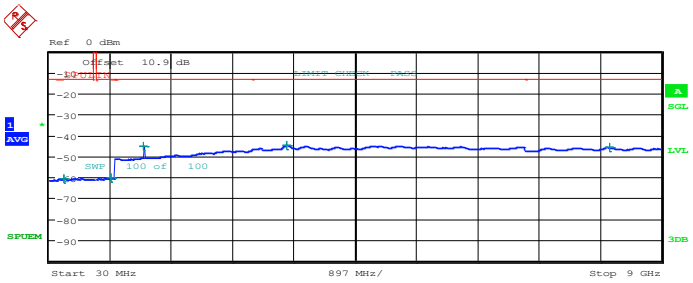
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 690.000 M | 100.00 k | 238.560000 M | -60.80 | -47.80 |
| 725.000 M | 1.000 G | 100.00 k | 942.250000 M | -60.57 | -47.57 |
| 1.000 G | 3.000 G | 1.00 M | 1.416000 G | -42.90 | -29.90 |
| 3.000 G | 7.000 G | 1.00 M | 3.508000 G | -44.89 | -31.89 |
| 7.000 G | 9.000 G | 1.00 M | 8.192000 G | -45.92 | -32.92 |

Date: 28.JUL.2014 19:49:42

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

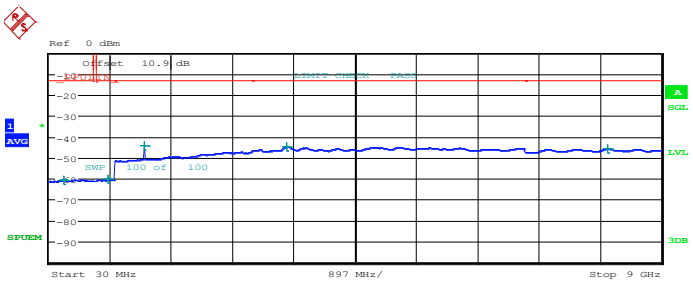



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 690.000 M | 100.00 k | 250.440000 M | -60.75 | -47.75 |
| 725.000 M | 1.000 G | 100.00 k | 931.525000 M | -60.50 | -47.50 |
| 1.000 G | 3.000 G | 1.00 M | 1.416000 G | -45.12 | -32.12 |
| 3.000 G | 7.000 G | 1.00 M | 3.504000 G | -44.93 | -31.93 |
| 7.000 G | 9.000 G | 1.00 M | 8.240000 G | -45.90 | -32.90 |

Date: 28.JUL.2014 19:50:41

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

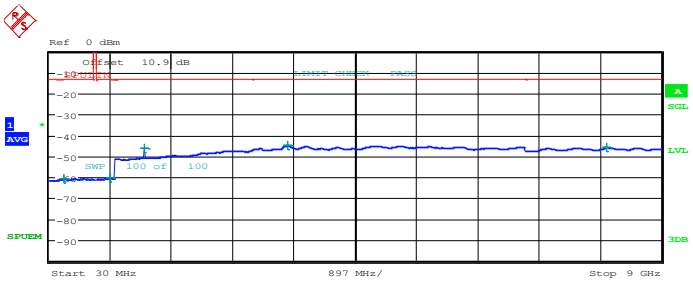
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 690.000 M | 100.00 k | 238.560000 M | -60.68 | -47.68 |
| 725.000 M | 1.000 G | 100.00 k | 894.125000 M | -60.52 | -47.52 |
| 1.000 G | 3.000 G | 1.00 M | 1.422000 G | -44.46 | -31.46 |
| 3.000 G | 7.000 G | 1.00 M | 3.512000 G | -45.01 | -32.01 |
| 7.000 G | 9.000 G | 1.00 M | 8.208000 G | -45.88 | -32.88 |

Date: 28.JUL.2014 19:55:40

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

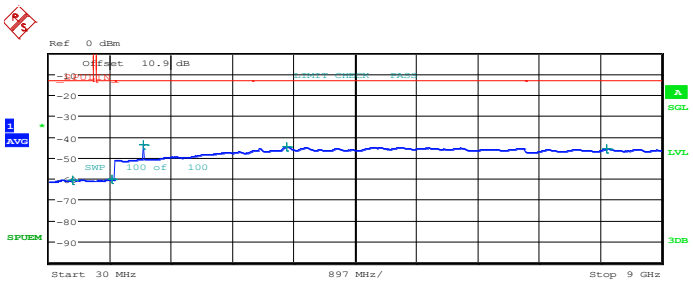



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 690.000 M | 100.00 k | 244.500000 M | -60.64 | -47.64 |
| 725.000 M | 1.000 G | 100.00 k | 922.175000 M | -60.44 | -47.44 |
| 1.000 G | 3.000 G | 1.00 M | 1.422000 G | -46.42 | -33.42 |
| 3.000 G | 7.000 G | 1.00 M | 3.516000 G | -44.92 | -31.92 |
| 7.000 G | 9.000 G | 1.00 M | 8.200000 G | -45.86 | -32.86 |

Date: 28.JUL.2014 19:56:38

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

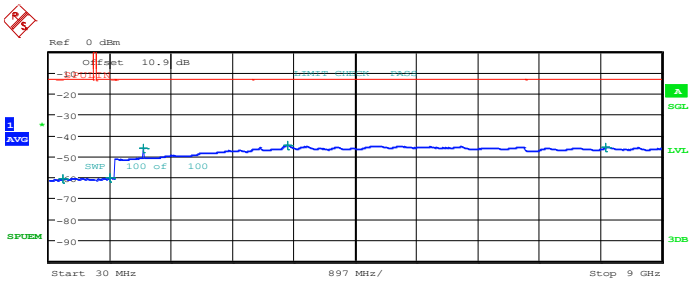
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 690.000 M | 100.00 k | 378.480000 M | -60.76 | -47.76 |
| 725.000 M | 1.000 G | 100.00 k | 950.775000 M | -60.55 | -47.55 |
| 1.000 G | 3.000 G | 1.00 M | 1.410000 G | -44.11 | -31.11 |
| 3.000 G | 7.000 G | 1.00 M | 3.512000 G | -44.95 | -31.95 |
| 7.000 G | 9.000 G | 1.00 M | 8.196000 G | -45.88 | -32.88 |

Date: 28.JUL.2014 20:01:40

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

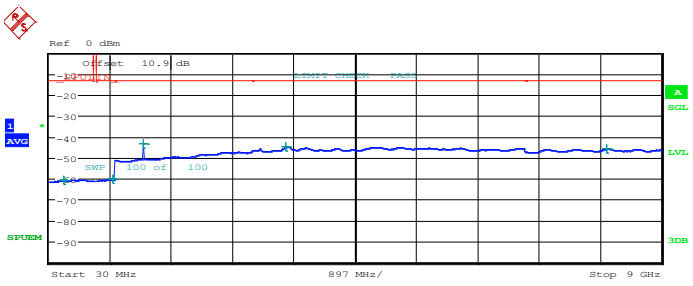



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 690.000 M | 100.00 k | 236.580000 M | -60.78 | -47.78 |
| 725.000 M | 1.000 G | 100.00 k | 915.575000 M | -60.38 | -47.38 |
| 1.000 G | 3.000 G | 1.00 M | 1.410000 G | -46.18 | -33.18 |
| 3.000 G | 7.000 G | 1.00 M | 3.520000 G | -44.96 | -31.96 |
| 7.000 G | 9.000 G | 1.00 M | 8.180000 G | -45.89 | -32.89 |

Date: 28.JUL.2014 20:02:38

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

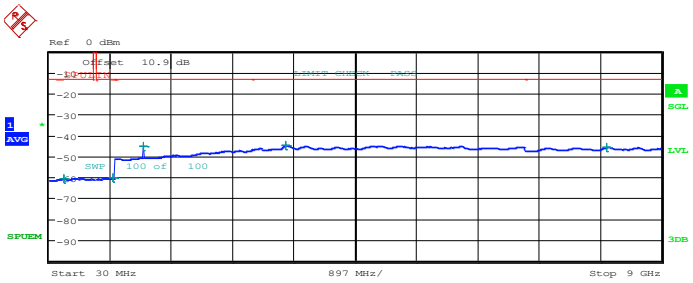
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 690.000 M | 100.00 k | 243.180000 M | -60.77 | -47.77 |
| 725.000 M | 1.000 G | 100.00 k | 970.025000 M | -60.49 | -47.49 |
| 1.000 G | 3.000 G | 1.00 M | 1.412000 G | -43.41 | -30.41 |
| 3.000 G | 7.000 G | 1.00 M | 3.500000 G | -44.99 | -31.99 |
| 7.000 G | 9.000 G | 1.00 M | 8.192000 G | -45.91 | -32.91 |

Date: 28.JUL.2014 20:04:37

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

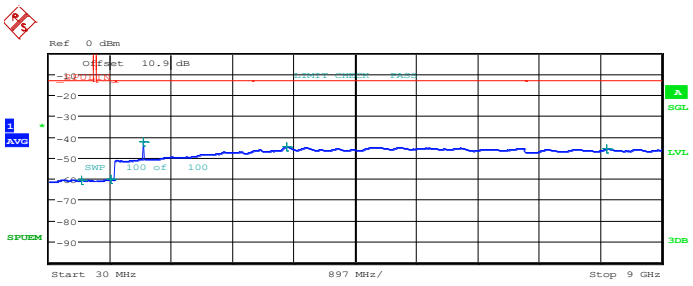



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 690.000 M | 100.00 k | 239.880000 M | -60.63 | -47.63 |
| 725.000 M | 1.000 G | 100.00 k | 967.000000 M | -60.48 | -47.48 |
| 1.000 G | 3.000 G | 1.00 M | 1.412000 G | -45.15 | -32.15 |
| 3.000 G | 7.000 G | 1.00 M | 3.496000 G | -44.98 | -31.98 |
| 7.000 G | 9.000 G | 1.00 M | 8.202000 G | -45.88 | -32.88 |

Date: 28.JUL.2014 20:05:35

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

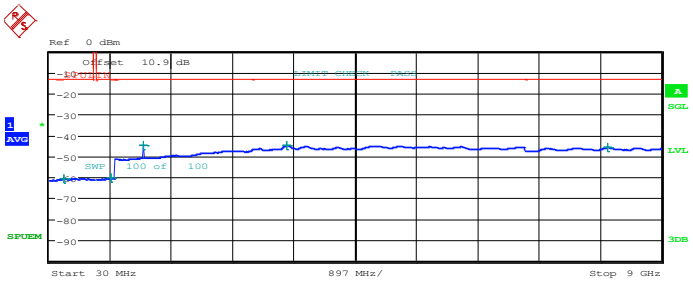
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 690.000 M | 100.00 k | 508.500000 M | -60.81 | -47.81 |
| 725.000 M | 1.000 G | 100.00 k | 928.500000 M | -60.49 | -47.49 |
| 1.000 G | 3.000 G | 1.00 M | 1.414000 G | -42.42 | -29.42 |
| 3.000 G | 7.000 G | 1.00 M | 3.504000 G | -44.88 | -31.88 |
| 7.000 G | 9.000 G | 1.00 M | 8.202000 G | -45.92 | -32.92 |

Date: 28.JUL.2014 20:10:33

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

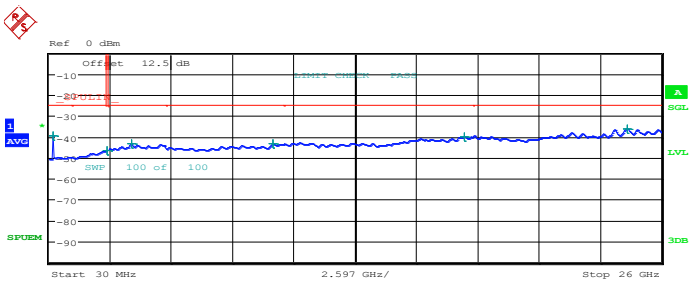



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 690.000 M | 100.00 k | 241.860000 M | -60.76 | -47.76 |
| 725.000 M | 1.000 G | 100.00 k | 932.350000 M | -60.51 | -47.51 |
| 1.000 G | 3.000 G | 1.00 M | 1.414000 G | -44.67 | -31.67 |
| 3.000 G | 7.000 G | 1.00 M | 3.508000 G | -44.94 | -31.94 |
| 7.000 G | 9.000 G | 1.00 M | 8.206000 G | -45.91 | -32.91 |

Date: 28.JUL.2014 20:11:31

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

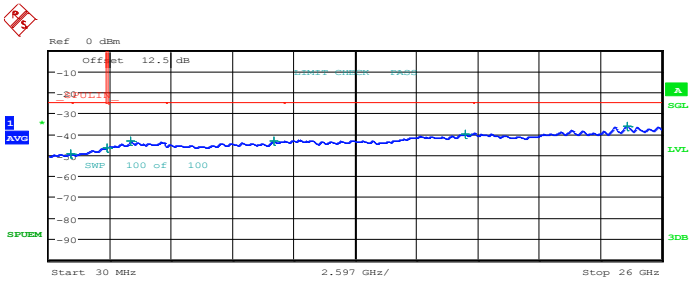
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 186.170000 M | -39.79 | -14.79 |
| 1.000 G | 2.490 G | 1.00 M | 2.485530 G | -46.81 | -21.81 |
| 2.580 G | 5.000 G | 1.00 M | 3.518960 G | -43.66 | -18.66 |
| 5.000 G | 10.000 G | 1.00 M | 9.520000 G | -43.62 | -18.62 |
| 10.000 G | 18.000 G | 1.00 M | 17.648000 G | -40.22 | -15.22 |
| 18.000 G | 26.000 G | 1.00 M | 24.552000 G | -36.25 | -11.25 |

Date: 31.JUL.2014 09:23:35

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

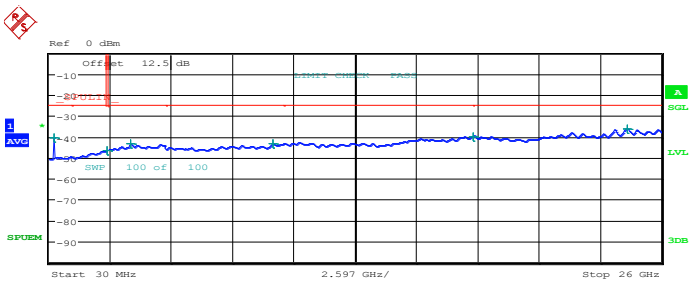



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 935.010000 M | -49.69 | -24.69 |
| 1.000 G | 2.490 G | 1.00 M | 2.469140 G | -46.73 | -21.73 |
| 2.580 G | 5.000 G | 1.00 M | 3.504440 G | -43.61 | -18.61 |
| 5.000 G | 10.000 G | 1.00 M | 9.540000 G | -43.64 | -18.64 |
| 10.000 G | 18.000 G | 1.00 M | 17.656000 G | -40.20 | -15.20 |
| 18.000 G | 26.000 G | 1.00 M | 24.552000 G | -36.28 | -11.28 |

Date: 31.JUL.2014 09:24:36

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

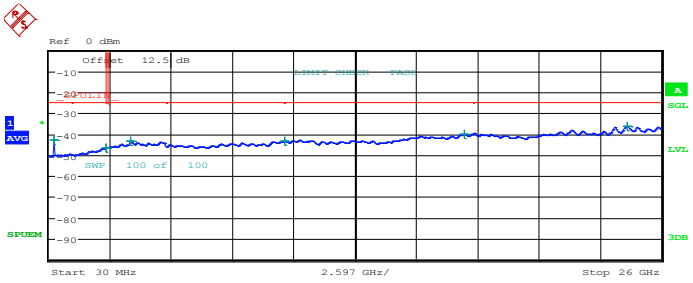
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 219.150000 M | -40.49 | -15.49 |
| 1.000 G | 2.490 G | 1.00 M | 2.478080 G | -46.93 | -21.93 |
| 2.580 G | 5.000 G | 1.00 M | 3.502020 G | -43.65 | -18.65 |
| 5.000 G | 10.000 G | 1.00 M | 9.525000 G | -43.64 | -18.64 |
| 10.000 G | 18.000 G | 1.00 M | 18.000000 G | -40.28 | -15.28 |
| 18.000 G | 26.000 G | 1.00 M | 24.544000 G | -36.27 | -11.27 |

Date: 31.JUL.2014 09:32:24

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

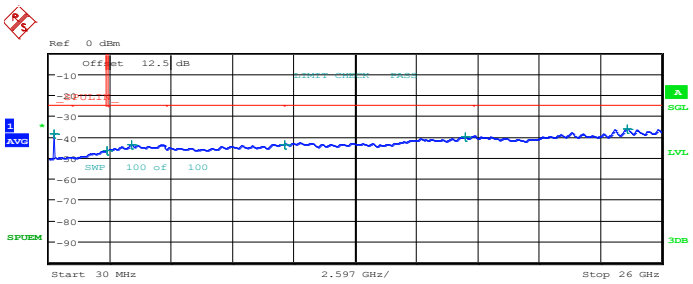



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 219.150000 M | -42.93 | -17.93 |
| 1.000 G | 2.490 G | 1.00 M | 2.461690 G | -46.68 | -21.68 |
| 2.580 G | 5.000 G | 1.00 M | 3.494760 G | -43.64 | -18.64 |
| 5.000 G | 10.000 G | 1.00 M | 10.000000 G | -43.49 | -18.49 |
| 10.000 G | 18.000 G | 1.00 M | 17.648000 G | -40.18 | -15.18 |
| 18.000 G | 26.000 G | 1.00 M | 24.552000 G | -36.24 | -11.24 |

Date: 31.JUL.2014 09:33:26

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

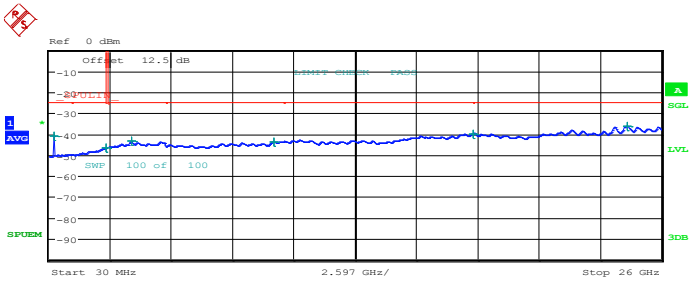
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 251.160000 M | -38.95 | -13.95 |
| 1.000 G | 2.490 G | 1.00 M | 2.467650 G | -46.75 | -21.75 |
| 2.580 G | 5.000 G | 1.00 M | 3.518960 G | -43.67 | -18.67 |
| 5.000 G | 10.000 G | 1.00 M | 10.000000 G | -43.69 | -18.69 |
| 10.000 G | 18.000 G | 1.00 M | 17.656000 G | -40.28 | -15.28 |
| 18.000 G | 26.000 G | 1.00 M | 24.552000 G | -36.31 | -11.31 |

Date: 31.JUL.2014 09:38:28

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

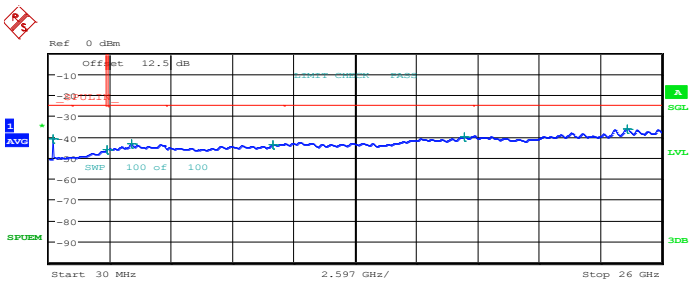



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 251.160000 M | -40.92 | -15.92 |
| 1.000 G | 2.490 G | 1.00 M | 2.455730 G | -46.84 | -21.84 |
| 2.580 G | 5.000 G | 1.00 M | 3.511700 G | -43.53 | -18.53 |
| 5.000 G | 10.000 G | 1.00 M | 9.540000 G | -43.71 | -18.71 |
| 10.000 G | 18.000 G | 1.00 M | 18.000000 G | -40.25 | -15.25 |
| 18.000 G | 26.000 G | 1.00 M | 24.536000 G | -36.25 | -11.25 |

Date: 31.JUL.2014 09:39:29

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

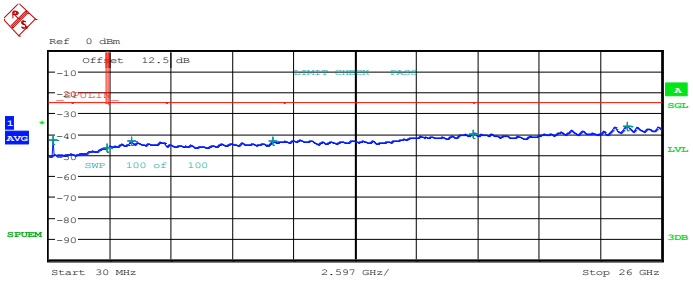
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 186.170000 M | -41.00 | -16.00 |
| 1.000 G | 2.490 G | 1.00 M | 2.484040 G | -46.10 | -21.10 |
| 2.580 G | 5.000 G | 1.00 M | 3.509280 G | -43.60 | -18.60 |
| 5.000 G | 10.000 G | 1.00 M | 9.535000 G | -43.68 | -18.68 |
| 10.000 G | 18.000 G | 1.00 M | 17.648000 G | -40.27 | -15.27 |
| 18.000 G | 26.000 G | 1.00 M | 24.544000 G | -36.24 | -11.24 |

Date: 31.JUL.2014 09:44:35

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

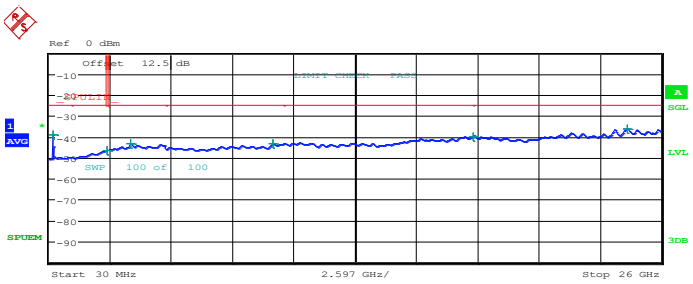



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 186.170000 M | -42.87 | -17.87 |
| 1.000 G | 2.490 G | 1.00 M | 2.484040 G | -46.75 | -21.75 |
| 2.580 G | 5.000 G | 1.00 M | 3.516540 G | -43.59 | -18.59 |
| 5.000 G | 10.000 G | 1.00 M | 9.525000 G | -43.63 | -18.63 |
| 10.000 G | 18.000 G | 1.00 M | 18.000000 G | -40.28 | -15.28 |
| 18.000 G | 26.000 G | 1.00 M | 24.560000 G | -36.22 | -11.22 |

Date: 31.JUL.2014 09:45:36

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

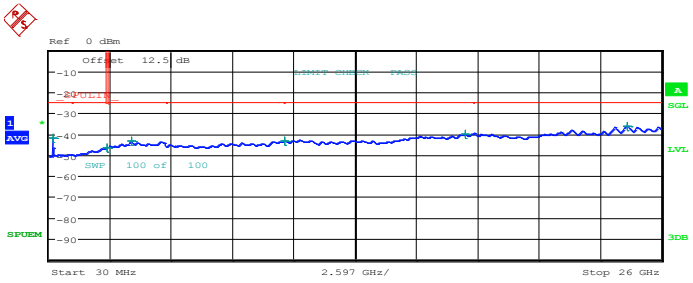
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 216.240000 M | -39.39 | -14.39 |
| 1.000 G | 2.490 G | 1.00 M | 2.469140 G | -46.63 | -21.63 |
| 2.580 G | 5.000 G | 1.00 M | 3.502020 G | -43.65 | -18.65 |
| 5.000 G | 10.000 G | 1.00 M | 9.535000 G | -43.63 | -18.63 |
| 10.000 G | 18.000 G | 1.00 M | 18.000000 G | -40.23 | -15.23 |
| 18.000 G | 26.000 G | 1.00 M | 24.544000 G | -36.30 | -11.30 |

Date: 31.JUL.2014 09:47:38

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

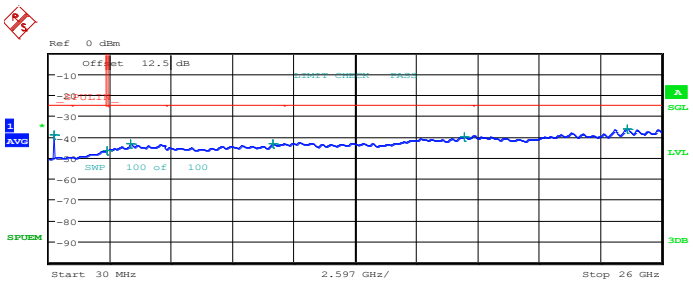



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 216.240000 M | -41.81 | -16.81 |
| 1.000 G | 2.490 G | 1.00 M | 2.485530 G | -46.68 | -21.68 |
| 2.580 G | 5.000 G | 1.00 M | 3.514120 G | -43.64 | -18.64 |
| 5.000 G | 10.000 G | 1.00 M | 10.000000 G | -43.60 | -18.60 |
| 10.000 G | 18.000 G | 1.00 M | 17.656000 G | -40.28 | -15.28 |
| 18.000 G | 26.000 G | 1.00 M | 24.544000 G | -36.29 | -11.29 |

Date: 31.JUL.2014 09:48:40

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

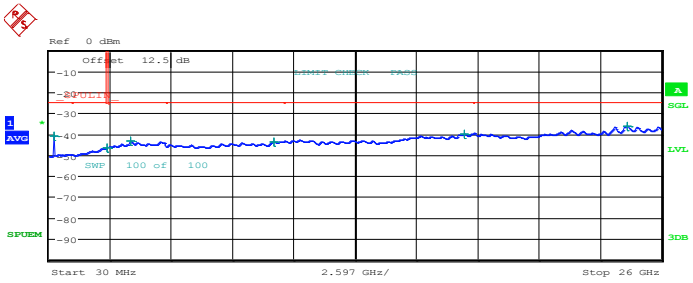
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 246.310000 M | -39.27 | -14.27 |
| 1.000 G | 2.490 G | 1.00 M | 2.475100 G | -46.85 | -21.85 |
| 2.580 G | 5.000 G | 1.00 M | 3.504440 G | -43.63 | -18.63 |
| 5.000 G | 10.000 G | 1.00 M | 9.530000 G | -43.63 | -18.63 |
| 10.000 G | 18.000 G | 1.00 M | 17.648000 G | -40.25 | -15.25 |
| 18.000 G | 26.000 G | 1.00 M | 24.552000 G | -36.26 | -11.26 |

Date: 31.JUL.2014 09:53:41

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

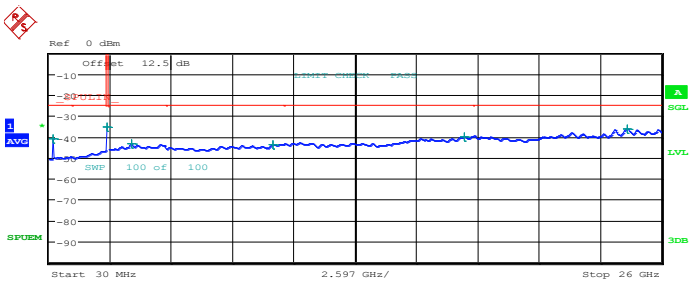



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 246.310000 M | -40.87 | -15.87 |
| 1.000 G | 2.490 G | 1.00 M | 2.466160 G | -46.75 | -21.75 |
| 2.580 G | 5.000 G | 1.00 M | 3.502020 G | -43.60 | -18.60 |
| 5.000 G | 10.000 G | 1.00 M | 9.540000 G | -43.69 | -18.69 |
| 10.000 G | 18.000 G | 1.00 M | 17.648000 G | -40.26 | -15.26 |
| 18.000 G | 26.000 G | 1.00 M | 24.536000 G | -36.27 | -11.27 |

Date: 31.JUL.2014 09:54:42

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

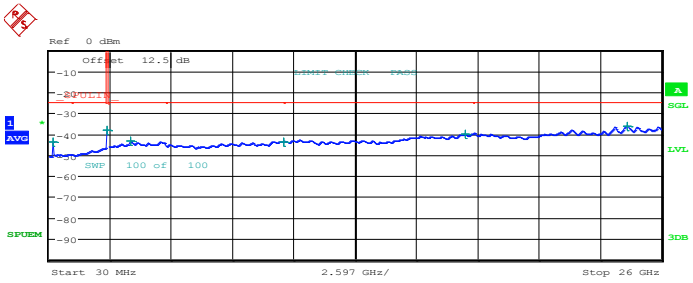
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 187.140000 M | -41.24 | -16.24 |
| 1.000 G | 2.490 G | 1.00 M | 2.488510 G | -35.32 | -10.32 |
| 2.580 G | 5.000 G | 1.00 M | 3.516540 G | -43.65 | -18.65 |
| 5.000 G | 10.000 G | 1.00 M | 9.525000 G | -43.67 | -18.67 |
| 10.000 G | 18.000 G | 1.00 M | 17.640000 G | -40.26 | -15.26 |
| 18.000 G | 26.000 G | 1.00 M | 24.552000 G | -36.25 | -11.25 |

Date: 31.JUL.2014 09:59:47

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

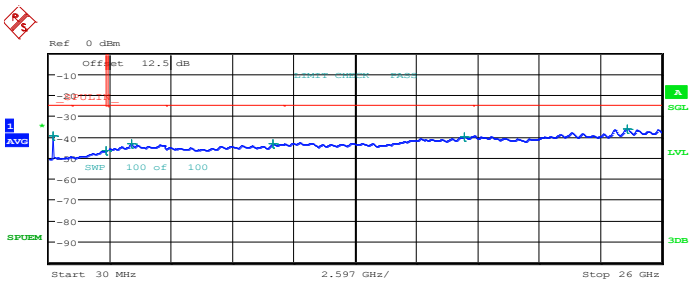



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 187.140000 M | -43.82 | -18.82 |
| 1.000 G | 2.490 G | 1.00 M | 2.488510 G | -38.34 | -13.34 |
| 2.580 G | 5.000 G | 1.00 M | 3.504440 G | -43.49 | -18.49 |
| 5.000 G | 10.000 G | 1.00 M | 9.990000 G | -43.72 | -18.72 |
| 10.000 G | 18.000 G | 1.00 M | 17.656000 G | -40.30 | -15.30 |
| 18.000 G | 26.000 G | 1.00 M | 24.528000 G | -36.28 | -11.28 |

Date: 31.JUL.2014 10:00:49

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

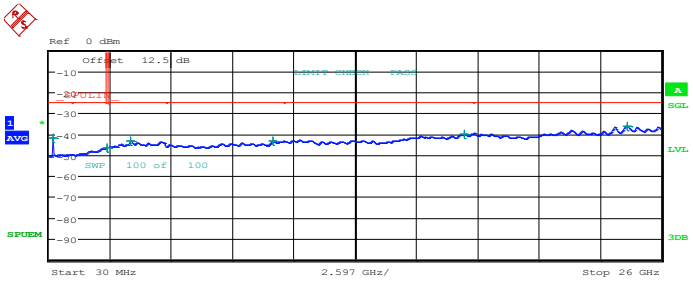
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 214.300000 M | -39.53 | -14.53 |
| 1.000 G | 2.490 G | 1.00 M | 2.445300 G | -46.84 | -21.84 |
| 2.580 G | 5.000 G | 1.00 M | 3.506860 G | -43.66 | -18.66 |
| 5.000 G | 10.000 G | 1.00 M | 9.525000 G | -43.63 | -18.63 |
| 10.000 G | 18.000 G | 1.00 M | 17.640000 G | -40.22 | -15.22 |
| 18.000 G | 26.000 G | 1.00 M | 24.544000 G | -36.28 | -11.28 |

Date: 31.JUL.2014 10:02:52

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

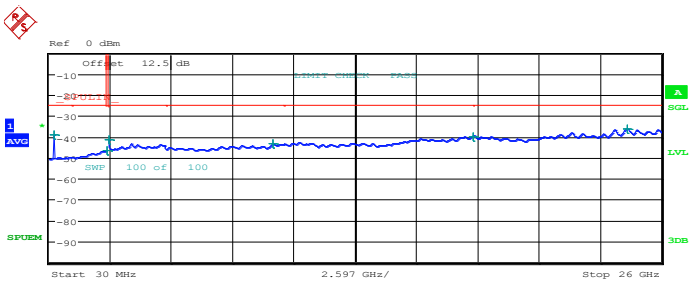



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 214.300000 M | -41.99 | -16.99 |
| 1.000 G | 2.490 G | 1.00 M | 2.487020 G | -46.84 | -21.84 |
| 2.580 G | 5.000 G | 1.00 M | 3.497180 G | -43.61 | -18.61 |
| 5.000 G | 10.000 G | 1.00 M | 9.535000 G | -43.61 | -18.61 |
| 10.000 G | 18.000 G | 1.00 M | 17.640000 G | -40.21 | -15.21 |
| 18.000 G | 26.000 G | 1.00 M | 24.536000 G | -36.27 | -11.27 |

Date: 31.JUL.2014 10:03:53

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

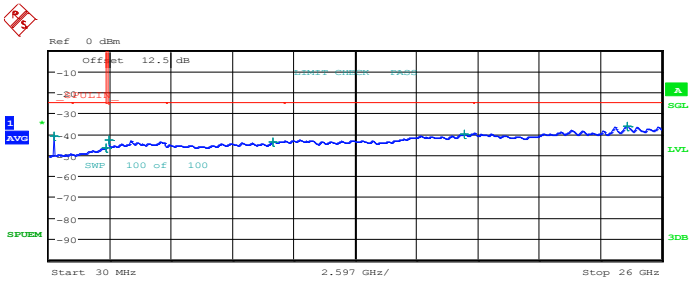
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 241.460000 M | -39.03 | -14.03 |
| 1.000 G | 2.490 G | 1.00 M | 2.481060 G | -46.78 | -21.78 |
| 2.580 G | 5.000 G | 1.00 M | 2.582420 G | -41.44 | -16.44 |
| 5.000 G | 10.000 G | 1.00 M | 9.530000 G | -43.66 | -18.66 |
| 10.000 G | 18.000 G | 1.00 M | 18.000000 G | -40.20 | -15.20 |
| 18.000 G | 26.000 G | 1.00 M | 24.552000 G | -36.28 | -11.28 |

Date: 31.JUL.2014 10:08:55

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

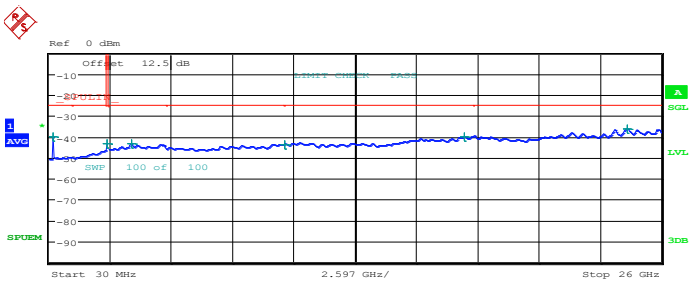



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 241.460000 M | -41.04 | -16.04 |
| 1.000 G | 2.490 G | 1.00 M | 2.449770 G | -46.73 | -21.73 |
| 2.580 G | 5.000 G | 1.00 M | 2.582420 G | -42.91 | -17.91 |
| 5.000 G | 10.000 G | 1.00 M | 9.525000 G | -43.67 | -18.67 |
| 10.000 G | 18.000 G | 1.00 M | 17.648000 G | -40.27 | -15.27 |
| 18.000 G | 26.000 G | 1.00 M | 24.552000 G | -36.29 | -11.29 |

Date: 31.JUL.2014 10:09:57

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

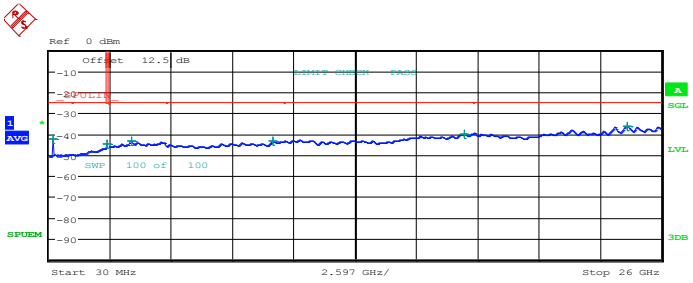
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 187.140000 M | -40.34 | -15.34 |
| 1.000 G | 2.490 G | 1.00 M | 2.484040 G | -43.33 | -18.33 |
| 2.580 G | 5.000 G | 1.00 M | 3.509280 G | -43.61 | -18.61 |
| 5.000 G | 10.000 G | 1.00 M | 10.000000 G | -43.69 | -18.69 |
| 10.000 G | 18.000 G | 1.00 M | 17.640000 G | -40.27 | -15.27 |
| 18.000 G | 26.000 G | 1.00 M | 24.552000 G | -36.26 | -11.26 |

Date: 31.JUL.2014 10:15:02

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

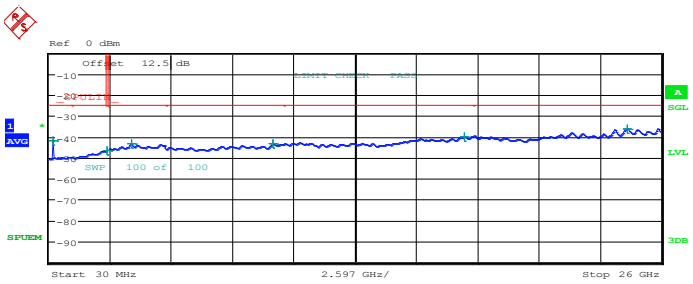



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 187.140000 M | -42.65 | -17.65 |
| 1.000 G | 2.490 G | 1.00 M | 2.484040 G | -44.68 | -19.68 |
| 2.580 G | 5.000 G | 1.00 M | 3.506860 G | -43.61 | -18.61 |
| 5.000 G | 10.000 G | 1.00 M | 9.525000 G | -43.59 | -18.59 |
| 10.000 G | 18.000 G | 1.00 M | 17.640000 G | -40.24 | -15.24 |
| 18.000 G | 26.000 G | 1.00 M | 24.544000 G | -36.26 | -11.26 |

Date: 31.JUL.2014 10:16:03

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

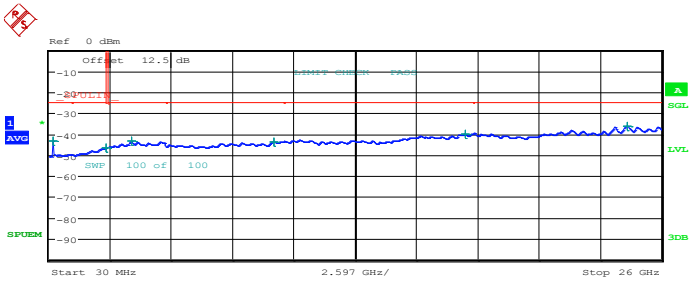
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 212.360000 M | -41.90 | -16.90 |
| 1.000 G | 2.490 G | 1.00 M | 2.473610 G | -46.85 | -21.85 |
| 2.580 G | 5.000 G | 1.00 M | 3.514120 G | -43.57 | -18.57 |
| 5.000 G | 10.000 G | 1.00 M | 9.520000 G | -43.61 | -18.61 |
| 10.000 G | 18.000 G | 1.00 M | 17.648000 G | -40.21 | -15.21 |
| 18.000 G | 26.000 G | 1.00 M | 24.544000 G | -36.27 | -11.27 |

Date: 31.JUL.2014 10:18:05

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

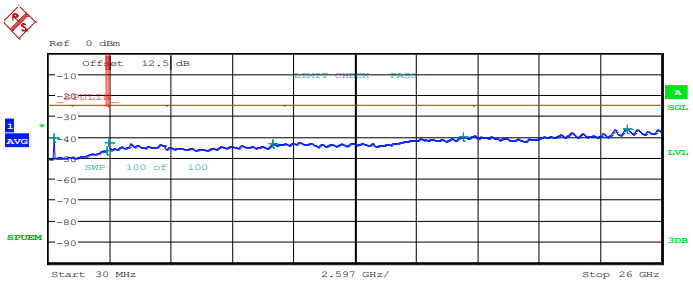



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 212.360000 M | -43.21 | -18.21 |
| 1.000 G | 2.490 G | 1.00 M | 2.437850 G | -46.65 | -21.65 |
| 2.580 G | 5.000 G | 1.00 M | 3.511700 G | -43.58 | -18.58 |
| 5.000 G | 10.000 G | 1.00 M | 9.545000 G | -43.72 | -18.72 |
| 10.000 G | 18.000 G | 1.00 M | 17.656000 G | -40.26 | -15.26 |
| 18.000 G | 26.000 G | 1.00 M | 24.552000 G | -36.25 | -11.25 |

Date: 31.JUL.2014 10:19:06

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

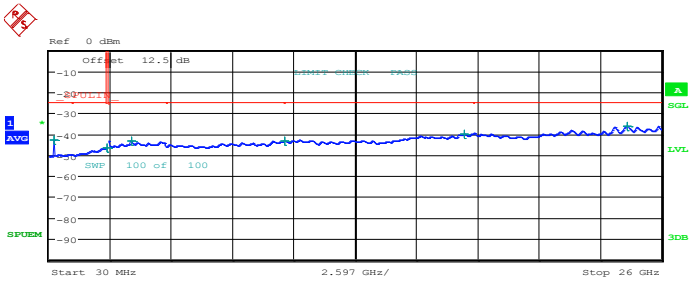
**QPSK (RB Size 1, RB Offset 0)**




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 236.610000 M | -40.53 | -15.53 |
| 1.000 G | 2.490 G | 1.00 M | 2.482550 G | -46.74 | -21.74 |
| 2.580 G | 5.000 G | 1.00 M | 2.584840 G | -42.77 | -17.77 |
| 5.000 G | 10.000 G | 1.00 M | 9.530000 G | -43.63 | -18.63 |
| 10.000 G | 18.000 G | 1.00 M | 17.608000 G | -40.27 | -15.27 |
| 18.000 G | 26.000 G | 1.00 M | 24.544000 G | -36.24 | -11.24 |

Date: 31.JUL.2014 10:24:06

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




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 1.00 M | 236.610000 M | -42.94 | -17.94 |
| 1.000 G | 2.490 G | 1.00 M | 2.478080 G | -46.86 | -21.86 |
| 2.580 G | 5.000 G | 1.00 M | 3.516540 G | -43.64 | -18.64 |
| 5.000 G | 10.000 G | 1.00 M | 10.000000 G | -43.62 | -18.62 |
| 10.000 G | 18.000 G | 1.00 M | 17.648000 G | -40.21 | -15.21 |
| 18.000 G | 26.000 G | 1.00 M | 24.536000 G | -36.26 | -11.26 |

Date: 31.JUL.2014 10:25:08

# 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.

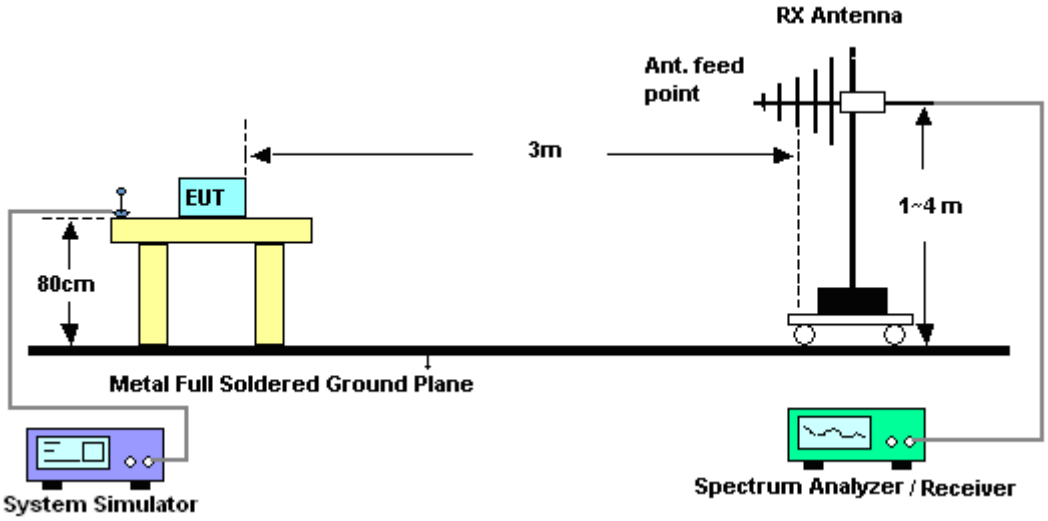
## 3.7.3 Test Procedures

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.

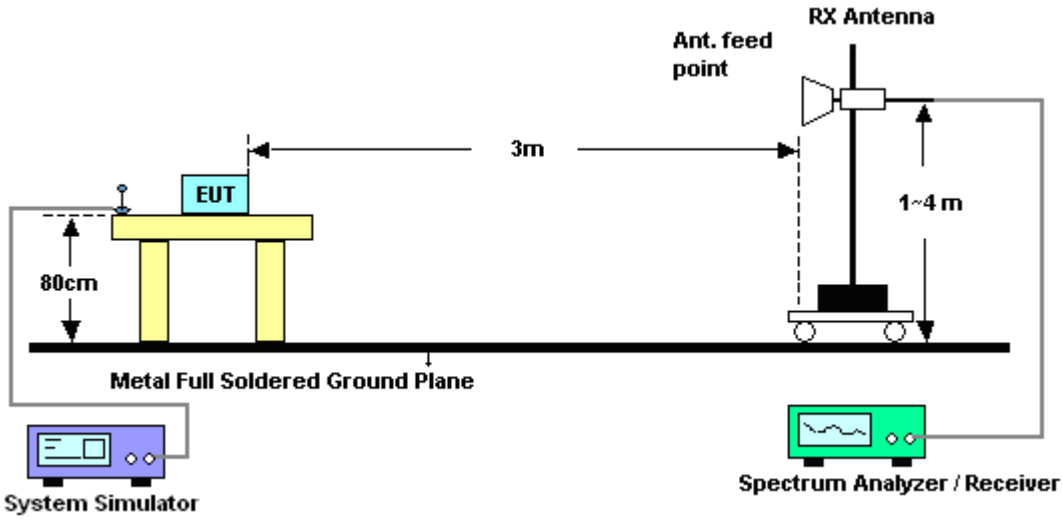
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
    For Band 7
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
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

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1648 | -39.41 | -13 | -26.41 | -46.01 | -41.15 | 1.61 | 5.50 | H | Pass |
| 2472 | -34.56 | -13 | -21.56 | -45.51 | -36.56 | 2.09 | 6.24 | H | Pass |
| 3296 | -38.03 | -13 | -25.03 | -49.9 | -40.89 | 3.08 | 8.09 | H | Pass |
| 4120 | -41.84 | -13 | -28.84 | -55.95 | -46.36 | 2.59 | 9.26 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1648 | -44.09 | -13 | -31.09 | -52.94 | -45.83 | 1.61 | 5.50 | V | Pass |
| 2472 | -40.46 | -13 | -27.46 | -51.87 | -42.46 | 2.09 | 6.24 | V | Pass |
| 3296 | -40.56 | -13 | -27.56 | -54 | -43.42 | 3.08 | 8.09 | V | Pass |
| 4120 | -46.51 | -13 | -33.51 | -61.43 | -51.03 | 2.59 | 9.26 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1672 | -46.00 | -13 | -33.00 | -52.77 | -47.72 | 1.62 | 5.49 | H | Pass |
| 2504 | -36.87 | -13 | -23.87 | -48 | -38.84 | 2.1 | 6.22 | H | Pass |
| 3344 | -42.87 | -13 | -29.87 | -54.83 | -45.76 | 3.03 | 8.07 | H | Pass |
| 4176 | -46.72 | -13 | -33.72 | -60.82 | -51.26 | 2.52 | 9.21 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1672 | -51.61 | -13 | -38.61 | -60.56 | -53.33 | 1.62 | 5.49 | V | Pass |
| 2504 | -41.57 | -13 | -28.57 | -53.11 | -43.54 | 2.1 | 6.22 | V | Pass |
| 3344 | -45.54 | -13 | -32.54 | -58.91 | -48.43 | 3.03 | 8.07 | V | Pass |
| 4176 | -48.72 | -13 | -35.72 | -63.66 | -53.26 | 2.52 | 9.21 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1696 | -44.51 | -13 | -31.51 | -51.37 | -46.25 | 1.58 | 5.47 | H | Pass |
| 2544 | -40.06 | -13 | -27.06 | -51.21 | -42.19 | 2.03 | 6.31 | H | Pass |
| 3392 | -35.82 | -13 | -22.82 | -47.82 | -39.59 | 2.31 | 8.23 | H | Pass |
| 4240 | -44.86 | -13 | -31.86 | -58.94 | -49.21 | 2.75 | 9.25 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1696 | -48.54 | -13 | -35.54 | -57.64 | -50.28 | 1.58 | 5.47 | V | Pass |
| 2544 | -41.13 | -13 | -28.13 | -52.87 | -43.26 | 2.03 | 6.31 | V | Pass |
| 3392 | -39.68 | -13 | -26.68 | -53.1 | -43.45 | 2.31 | 8.23 | V | Pass |
| 4240 | -49.49 | -13 | -36.49 | -64.35 | -53.84 | 2.75 | 9.25 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1648 | -39.64 | -13 | -26.64 | -46.25 | -41.38 | 1.6 | 5.49 | H | Pass |
| 2472 | -35.09 | -13 | -22.09 | -46.14 | -37.12 | 2.08 | 6.26 | H | Pass |
| 3296 | -39.03 | -13 | -26.03 | -50.91 | -41.9 | 3.09 | 8.11 | H | Pass |
| 4120 | -41.48 | -13 | -28.48 | -55.6 | -46.03 | 2.61 | 9.31 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1648 | -44.29 | -13 | -31.29 | -53.12 | -46.03 | 1.6 | 5.49 | V | Pass |
| 2472 | -40.36 | -13 | -27.36 | -51.8 | -42.39 | 2.08 | 6.26 | V | Pass |
| 3296 | -41.02 | -13 | -28.02 | -54.43 | -43.89 | 3.09 | 8.11 | V | Pass |
| 4120 | -46.30 | -13 | -33.30 | -61.25 | -50.85 | 2.61 | 9.31 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1672 | -47.29 | -13 | -34.29 | -54.08 | -49.01 | 1.62 | 5.49 | H | Pass |
| 2504 | -38.92 | -13 | -25.92 | -50.04 | -40.89 | 2.1 | 6.22 | H | Pass |
| 3344 | -42.96 | -13 | -29.96 | -54.85 | -45.85 | 3.03 | 8.07 | H | Pass |
| 4176 | -45.25 | -13 | -32.25 | -59.32 | -49.79 | 2.52 | 9.21 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1672 | -51.61 | -13 | -38.61 | -60.59 | -53.33 | 1.62 | 5.49 | V | Pass |
| 2504 | -43.28 | -13 | -30.28 | -54.78 | -45.25 | 2.1 | 6.22 | V | Pass |
| 3344 | -45.53 | -13 | -32.53 | -58.99 | -48.42 | 3.03 | 8.07 | V | Pass |
| 4176 | -47.34 | -13 | -34.34 | -62.32 | -51.88 | 2.52 | 9.21 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1688 | -43.71 | -13 | -30.71 | -50.46 | -45.45 | 1.56 | 5.45 | H | Pass |
| 2536 | -38.74 | -13 | -25.74 | -49.83 | -40.85 | 2.02 | 6.28 | H | Pass |
| 3384 | -33.71 | -13 | -20.71 | -45.69 | -37.46 | 2.29 | 8.19 | H | Pass |
| 4232 | -44.75 | -13 | -31.75 | -58.84 | -49.08 | 2.73 | 9.21 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1688 | -45.89 | -13 | -32.89 | -54.89 | -47.63 | 1.56 | 5.45 | V | Pass |
| 2536 | -40.58 | -13 | -27.58 | -52.21 | -42.69 | 2.02 | 6.28 | V | Pass |
| 3384 | -40.27 | -13 | -27.27 | -53.71 | -44.02 | 2.29 | 8.19 | V | Pass |
| 4232 | -47.76 | -13 | -34.76 | -62.8 | -52.09 | 2.73 | 9.21 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1648 | -38.23 | -13 | -25.23 | -44.78 | -39.98 | 1.61 | 5.51 | H | Pass |
| 2472 | -35.25 | -13 | -22.25 | -46.19 | -37.26 | 2.1 | 6.26 | H | Pass |
| 3296 | -39.14 | -13 | -26.14 | -51 | -41.99 | 3.12 | 8.12 | H | Pass |
| 4120 | -40.90 | -13 | -27.90 | -55.05 | -45.45 | 2.63 | 9.33 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1648 | -43.13 | -13 | -30.13 | -51.95 | -44.88 | 1.61 | 5.51 | V | Pass |
| 2472 | -40.55 | -13 | -27.55 | -52.1 | -42.56 | 2.1 | 6.26 | V | Pass |
| 3296 | -40.46 | -13 | -27.46 | -53.91 | -43.31 | 3.12 | 8.12 | V | Pass |
| 4120 | -45.30 | -13 | -32.30 | -60.21 | -49.85 | 2.63 | 9.33 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1672 | -47.99 | -13 | -34.99 | -54.76 | -49.71 | 1.62 | 5.49 | H | Pass |
| 2504 | -37.48 | -13 | -24.48 | -48.59 | -39.45 | 2.1 | 6.22 | H | Pass |
| 3336 | -38.44 | -13 | -25.44 | -50.33 | -41.33 | 3.03 | 8.07 | H | Pass |
| 4168 | -46.35 | -13 | -33.35 | -60.35 | -50.89 | 2.52 | 9.21 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1664 | -51.97 | -13 | -38.97 | -60.89 | -53.69 | 1.62 | 5.49 | V | Pass |
| 2504 | -41.59 | -13 | -28.59 | -53.14 | -43.56 | 2.1 | 6.22 | V | Pass |
| 3336 | -43.88 | -13 | -30.88 | -57.28 | -46.77 | 3.03 | 8.07 | V | Pass |
| 4168 | -50.44 | -13 | -37.44 | -65.28 | -54.98 | 2.52 | 9.21 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1688 | -41.81 | -13 | -28.81 | -48.5 | -43.56 | 1.54 | 5.44 | H | Pass |
| 2536 | -37.46 | -13 | -24.46 | -48.59 | -39.57 | 2.01 | 6.27 | H | Pass |
| 3376 | -34.09 | -13 | -21.09 | -46.09 | -37.94 | 2.18 | 8.18 | H | Pass |
| 4224 | -42.52 | -13 | -29.52 | -56.49 | -46.88 | 2.68 | 9.19 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1688 | -44.95 | -13 | -31.95 | -53.98 | -46.7 | 1.54 | 5.44 | V | Pass |
| 2536 | -40.32 | -13 | -27.32 | -51.95 | -42.43 | 2.01 | 6.27 | V | Pass |
| 3376 | -37.47 | -13 | -24.47 | -50.9 | -41.32 | 2.18 | 8.18 | V | Pass |
| 4224 | -45.73 | -13 | -32.73 | -60.67 | -50.09 | 2.68 | 9.19 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1648 | -38.60 | -13 | -25.60 | -45.2 | -40.4 | 1.63 | 5.58 | H | Pass |
| 2472 | -35.94 | -13 | -22.94 | -47.02 | -37.89 | 2.21 | 6.31 | H | Pass |
| 3296 | -39.11 | -13 | -26.11 | -50.89 | -41.99 | 3.1 | 8.13 | H | Pass |
| 4120 | -41.57 | -13 | -28.57 | -55.68 | -46.12 | 2.65 | 9.35 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1648 | -44.61 | -13 | -31.61 | -53.45 | -46.41 | 1.63 | 5.58 | V | Pass |
| 2472 | -40.60 | -13 | -27.60 | -52.06 | -42.55 | 2.21 | 6.31 | V | Pass |
| 3296 | -39.10 | -13 | -26.10 | -53.57 | -41.98 | 3.1 | 8.13 | V | Pass |
| 4120 | -46.61 | -13 | -33.61 | -61.5 | -51.16 | 2.65 | 9.35 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1664 | -45.61 | -13 | -32.61 | -52.28 | -47.33 | 1.62 | 5.49 | H | Pass |
| 2496 | -36.18 | -13 | -23.18 | -47.32 | -38.15 | 2.1 | 6.22 | H | Pass |
| 3328 | -36.60 | -13 | -23.60 | -48.47 | -39.49 | 3.03 | 8.07 | H | Pass |
| 4160 | -45.54 | -13 | -32.54 | -59.65 | -50.08 | 2.52 | 9.21 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1664 | -48.84 | -13 | -35.84 | -57.76 | -50.56 | 1.62 | 5.49 | V | Pass |
| 2496 | -39.92 | -13 | -26.92 | -51.46 | -41.89 | 2.1 | 6.22 | V | Pass |
| 3328 | -39.80 | -13 | -26.80 | -53.29 | -42.69 | 3.03 | 8.07 | V | Pass |
| 4160 | -48.70 | -13 | -35.70 | -63.67 | -53.24 | 2.52 | 9.21 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1680 | -41.37 | -13 | -28.37 | -48.13 | -43.12 | 1.52 | 5.42 | H | Pass |
| 2520 | -39.45 | -13 | -26.45 | -50.52 | -41.56 | 1.99 | 6.25 | H | Pass |
| 3360 | -37.68 | -13 | -24.68 | -49.66 | -41.53 | 2.14 | 8.14 | H | Pass |
| 4200 | -44.44 | -13 | -31.44 | -58.47 | -48.82 | 2.63 | 9.16 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 5 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1680 | -46.36 | -13 | -33.36 | -55.37 | -48.11 | 1.52 | 5.42 | V | Pass |
| 2520 | -41.30 | -13 | -28.30 | -52.87 | -43.41 | 1.99 | 6.25 | V | Pass |
| 3360 | -40.78 | -13 | -27.78 | -54.21 | -44.63 | 2.14 | 8.14 | V | Pass |
| 4200 | -47.60 | -13 | -34.60 | -62.53 | -51.98 | 2.63 | 9.16 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3700 | -26.54 | -13 | -13.54 | -41.77 | -32.8 | 2.48 | 8.74 | H | Pass |
| 5548 | -35.41 | -13 | -22.41 | -56.11 | -43.1 | 2.96 | 10.65 | H | Pass |
| 7403 | -27.47 | -13 | -14.47 | -54.81 | -36.1 | 3.48 | 12.11 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3700 | -34.94 | -13 | -21.94 | -51.16 | -41.2 | 2.48 | 8.74 | V | Pass |
| 5548 | -39.51 | -13 | -26.51 | -60.94 | -47.2 | 2.96 | 10.65 | V | Pass |
| 7403 | -30.47 | -13 | -17.47 | -57.56 | -39.1 | 3.48 | 12.11 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -25.80 | -13 | -12.80 | -41.58 | -32.1 | 2.51 | 8.81 | H | Pass |
| 5639 | -32.39 | -13 | -19.39 | -53.4 | -40.1 | 2.99 | 10.70 | H | Pass |
| 7515 | -30.37 | -13 | -17.37 | -58.31 | -38.9 | 3.59 | 12.12 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -35.60 | -13 | -22.60 | -52.09 | -41.9 | 2.51 | 8.81 | V | Pass |
| 5639 | -37.39 | -13 | -24.39 | -58.03 | -45.1 | 2.99 | 10.70 | V | Pass |
| 7515 | -31.97 | -13 | -18.97 | -59.31 | -40.5 | 3.59 | 12.12 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3819 | -20.84 | -13 | -7.84 | -36.5 | -27.1 | 2.61 | 8.87 | H | Pass |
| 5723 | -32.70 | -13 | -19.70 | -54.08 | -40.5 | 3.09 | 10.89 | H | Pass |
| 7634 | -31.60 | -13 | -18.60 | -58.21 | -40.1 | 3.68 | 12.18 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -32.84 | -13 | -19.84 | -49.49 | -39.1 | 2.61 | 8.87 | V | Pass |
| 5723 | -36.90 | -13 | -23.90 | -57.99 | -44.7 | 3.09 | 10.89 | V | Pass |
| 7634 | -32.40 | -13 | -19.40 | -59.26 | -40.9 | 3.68 | 12.18 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3700 | -26.84 | -13 | -13.84 | -42.12 | -33.1 | 2.47 | 8.73 | H | Pass |
| 5548 | -35.35 | -13 | -22.35 | -55.76 | -43.1 | 2.93 | 10.68 | H | Pass |
| 7403 | -26.58 | -13 | -13.58 | -54.45 | -35.3 | 3.42 | 12.14 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3700 | -34.24 | -13 | -21.24 | -50.89 | -40.5 | 2.47 | 8.73 | V | Pass |
| 5548 | -40.75 | -13 | -27.75 | -61.34 | -48.5 | 2.93 | 10.68 | V | Pass |
| 7403 | -30.48 | -13 | -17.48 | -57.75 | -39.2 | 3.42 | 12.14 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -26.40 | -13 | -13.40 | -41.9 | -32.7 | 2.51 | 8.81 | H | Pass |
| 5639 | -33.09 | -13 | -20.09 | -54.12 | -40.8 | 2.99 | 10.70 | H | Pass |
| 7515 | -31.17 | -13 | -18.17 | -58.62 | -39.7 | 3.59 | 12.12 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -35.40 | -13 | -22.40 | -51.87 | -41.7 | 2.51 | 8.81 | V | Pass |
| 5632 | -38.09 | -13 | -25.09 | -59.17 | -45.8 | 2.99 | 10.70 | V | Pass |
| 7515 | -32.27 | -13 | -19.27 | -59.81 | -40.8 | 3.59 | 12.12 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3812 | -21.67 | -13 | -8.67 | -37.19 | -27.9 | 2.64 | 8.87 | H | Pass |
| 5723 | -33.06 | -13 | -20.06 | -54.46 | -40.8 | 3.08 | 10.82 | H | Pass |
| 7627 | -30.61 | -13 | -17.61 | -57.31 | -39.1 | 3.64 | 12.13 | H | Pass |
| 9538 | -37.14 | -13 | -24.14 | -63.94 | -46.3 | 4.22 | 13.38 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3812 | -31.27 | -13 | -18.27 | -47.94 | -37.5 | 2.64 | 8.87 | V | Pass |
| 5723 | -37.36 | -13 | -24.36 | -58.27 | -45.1 | 3.08 | 10.82 | V | Pass |
| 7627 | -31.61 | -13 | -18.61 | -58.15 | -40.1 | 3.64 | 12.13 | V | Pass |
| 9538 | -39.54 | -13 | -26.54 | -66.11 | -48.7 | 4.22 | 13.38 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3700 | -26.87 | -13 | -13.87 | -42.24 | -33.2 | 2.46 | 8.79 | H | Pass |
| 5548 | -34.63 | -13 | -21.63 | -55.35 | -42.5 | 2.9 | 10.77 | H | Pass |
| 7403 | -26.28 | -13 | -13.28 | -53.81 | -35.1 | 3.42 | 12.24 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3700 | -34.17 | -13 | -21.17 | -50.51 | -40.5 | 2.46 | 8.79 | V | Pass |
| 5548 | -41.03 | -13 | -28.03 | -61.55 | -48.9 | 2.9 | 10.77 | V | Pass |
| 7403 | -30.28 | -13 | -17.28 | -57.3 | -39.1 | 3.42 | 12.24 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -26.40 | -13 | -13.40 | -42.05 | -32.7 | 2.51 | 8.81 | H | Pass |
| 5632 | -29.39 | -13 | -16.39 | -50.43 | -37.1 | 2.99 | 10.70 | H | Pass |
| 7508 | -30.37 | -13 | -17.37 | -57.99 | -38.9 | 3.59 | 12.12 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -35.20 | -13 | -22.20 | -51.78 | -41.5 | 2.51 | 8.81 | V | Pass |
| 5632 | -35.79 | -13 | -22.79 | -56.86 | -43.5 | 2.99 | 10.70 | V | Pass |
| 7508 | -32.37 | -13 | -19.37 | -59.92 | -40.9 | 3.59 | 12.12 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3812 | -23.16 | -13 | -10.16 | -38.83 | -29.5 | 2.59 | 8.93 | H | Pass |
| 5716 | -34.20 | -13 | -21.20 | -55.48 | -42.1 | 3.08 | 10.98 | H | Pass |
| 7620 | -30.17 | -13 | -17.17 | -56.88 | -38.7 | 3.64 | 12.17 | H | Pass |
| 9524 | -37.90 | -13 | -24.90 | -64.66 | -47.3 | 4.23 | 13.63 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3812 | -32.46 | -13 | -19.46 | -48.94 | -38.8 | 2.59 | 8.93 | V | Pass |
| 5716 | -38.60 | -13 | -25.60 | -59.38 | -46.5 | 3.08 | 10.98 | V | Pass |
| 7620 | -32.57 | -13 | -19.57 | -58.97 | -41.1 | 3.64 | 12.17 | V | Pass |
| 9524 | -41.10 | -13 | -28.10 | -67.96 | -50.5 | 4.23 | 13.63 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3700 | -27.26 | -13 | -14.26 | -42.44 | -33.68 | 2.47 | 8.89 | H | Pass |
| 5548 | -34.95 | -13 | -21.95 | -54.96 | -42.81 | 2.93 | 10.79 | H | Pass |
| 7403 | -26.76 | -13 | -13.76 | -53.98 | -35.57 | 3.45 | 12.26 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3700 | -34.10 | -13 | -21.10 | -50.29 | -40.52 | 2.47 | 8.89 | V | Pass |
| 5548 | -41.27 | -13 | -28.27 | -61.58 | -49.13 | 2.93 | 10.79 | V | Pass |
| 7403 | -30.42 | -13 | -17.42 | -57.09 | -39.23 | 3.45 | 12.26 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3749 | -26.26 | -13 | -13.26 | -41.58 | -32.56 | 2.51 | 8.81 | H | Pass |
| 5625 | -28.54 | -13 | -15.54 | -49.68 | -36.25 | 2.99 | 10.70 | H | Pass |
| 7501 | -29.22 | -13 | -16.22 | -57.27 | -37.75 | 3.59 | 12.12 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3749 | -34.68 | -13 | -21.68 | -50.71 | -40.98 | 2.51 | 8.81 | V | Pass |
| 5625 | -35.52 | -13 | -22.52 | -56.47 | -43.23 | 2.99 | 10.70 | V | Pass |
| 7501 | -32.12 | -13 | -19.12 | -59.45 | -40.65 | 3.59 | 12.12 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3798 | -24.60 | -13 | -11.60 | -40.4 | -30.96 | 2.52 | 8.88 | H | Pass |
| 5702 | -30.97 | -13 | -17.97 | -51.59 | -38.63 | 3.09 | 10.75 | H | Pass |
| 7599 | -32.94 | -13 | -19.94 | -59.1 | -41.58 | 3.65 | 12.29 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3798 | -34.88 | -13 | -21.88 | -50.57 | -41.24 | 2.52 | 8.88 | V | Pass |
| 5702 | -35.79 | -13 | -22.79 | -56.3 | -43.45 | 3.09 | 10.75 | V | Pass |
| 7599 | -33.44 | -13 | -20.44 | -59.88 | -42.08 | 3.65 | 12.29 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3700 | -27.89 | -13 | -14.89 | -42.82 | -34.24 | 2.49 | 8.84 | H | Pass |
| 5555 | -34.83 | -13 | -21.83 | -54.44 | -42.68 | 3.01 | 10.86 | H | Pass |
| 7403 | -26.11 | -13 | -13.11 | -54.19 | -35.08 | 3.38 | 12.35 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3700 | -30.30 | -13 | -17.30 | -46.8 | -36.65 | 2.49 | 8.84 | V | Pass |
| 5555 | -38.40 | -13 | -25.40 | -58.76 | -46.25 | 3.01 | 10.86 | V | Pass |
| 7403 | -29.02 | -13 | -16.02 | -56.44 | -37.99 | 3.38 | 12.35 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3749 | -26.22 | -13 | -13.22 | -41.91 | -32.52 | 2.51 | 8.81 | H | Pass |
| 5618 | -30.72 | -13 | -17.72 | -51.16 | -38.43 | 2.99 | 10.70 | H | Pass |
| 7494 | -29.16 | -13 | -16.16 | -57.17 | -37.69 | 3.59 | 12.12 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3749 | -28.41 | -13 | -15.41 | -45.14 | -34.71 | 2.51 | 8.81 | V | Pass |
| 5618 | -35.54 | -13 | -22.54 | -55.94 | -43.25 | 2.99 | 10.70 | V | Pass |
| 7494 | -31.10 | -13 | -18.10 | -59.18 | -39.63 | 3.59 | 12.12 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3791 | -24.77 | -13 | -11.77 | -40.1 | -31.08 | 2.52 | 8.83 | H | Pass |
| 5688 | -28.26 | -13 | -15.26 | -49.52 | -35.99 | 3.03 | 10.76 | H | Pass |
| 7585 | -31.70 | -13 | -18.70 | -58.29 | -40.25 | 3.61 | 12.16 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3791 | -28.83 | -13 | -15.83 | -45.23 | -35.14 | 2.52 | 8.83 | V | Pass |
| 5688 | -32.95 | -13 | -19.95 | -53.01 | -40.68 | 3.03 | 10.76 | V | Pass |
| 7585 | -32.34 | -13 | -19.34 | -58.87 | -40.89 | 3.61 | 12.16 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3700 | -27.57 | -13 | -14.57 | -42.86 | -33.95 | 2.51 | 8.89 | H | Pass |
| 5555 | -33.43 | -13 | -20.43 | -54.23 | -41.29 | 3.03 | 10.89 | H | Pass |
| 7403 | -30.86 | -13 | -17.86 | -54.03 | -40 | 3.24 | 12.38 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3700 | -31.15 | -13 | -18.15 | -47.35 | -37.53 | 2.51 | 8.89 | V | Pass |
| 5555 | -38.87 | -13 | -25.87 | -59.17 | -46.73 | 3.03 | 10.89 | V | Pass |
| 7440 | -29.74 | -13 | -16.74 | -56.78 | -38.88 | 3.24 | 12.38 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3742 | -27.98 | -13 | -14.98 | -42.49 | -34.28 | 2.51 | 8.81 | H | Pass |
| 5611 | -28.28 | -13 | -15.28 | -49.55 | -35.99 | 2.99 | 10.70 | H | Pass |
| 7487 | -30.04 | -13 | -17.04 | -58.02 | -38.57 | 3.59 | 12.12 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3742 | -28.39 | -13 | -15.39 | -44.98 | -34.69 | 2.51 | 8.81 | V | Pass |
| 5611 | -34.10 | -13 | -21.10 | -55.4 | -41.81 | 2.99 | 10.70 | V | Pass |
| 7487 | -31.10 | -13 | -18.10 | -58.93 | -39.63 | 3.59 | 12.12 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3784 | -25.18 | -13 | -12.18 | -40.7 | -31.56 | 2.52 | 8.90 | H | Pass |
| 5674 | -32.09 | -13 | -19.09 | -53.01 | -39.84 | 3.01 | 10.76 | H | Pass |
| 7564 | -29.56 | -13 | -16.56 | -56.62 | -38.09 | 3.62 | 12.15 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 2 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3784 | -27.65 | -13 | -14.65 | -44.09 | -34.03 | 2.52 | 8.90 | V | Pass |
| 5674 | -36.72 | -13 | -23.72 | -57.42 | -44.47 | 3.01 | 10.76 | V | Pass |
| 7564 | -30.64 | -13 | -17.64 | -57.48 | -39.17 | 3.62 | 12.15 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -37.23 | -13 | -24.23 | -51.43 | -41.1 | 4.41 | 8.28 | H | Pass |
| 5128 | -32.93 | -13 | -19.93 | -51.52 | -37.5 | 5.28 | 9.85 | H | Pass |
| 6843 | -28.57 | -13 | -15.57 | -54.29 | -33.8 | 6.01 | 11.24 | H | Pass |
| 8551 | -32.27 | -13 | -19.27 | -58.1 | -37.2 | 8.15 | 13.08 | H | Pass |
| 10264 | -33.52 | -13 | -20.52 | -62.73 | -37.8 | 8.54 | 12.82 | H | Pass |
| 11968 | -32.17 | -13 | -19.17 | -63.47 | -36.5 | 8.48 | 12.81 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -38.93 | -13 | -25.93 | -54.59 | -42.8 | 4.41 | 8.28 | V | Pass |
| 5128 | -34.93 | -13 | -21.93 | -53.68 | -39.5 | 5.28 | 9.85 | V | Pass |
| 6843 | -32.27 | -13 | -19.27 | -57.22 | -37.5 | 6.01 | 11.24 | V | Pass |
| 8551 | -36.27 | -13 | -23.27 | -61.6 | -41.2 | 8.15 | 13.08 | V | Pass |
| 10264 | -35.92 | -13 | -22.92 | -63.89 | -40.2 | 8.54 | 12.82 | V | Pass |
| 11968 | -34.17 | -13 | -21.17 | -64.34 | -38.5 | 8.48 | 12.81 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3462 | -34.97 | -13 | -21.97 | -49.68 | -38.8 | 4.48 | 8.31 | H | Pass |
| 5198 | -35.56 | -13 | -22.56 | -54.48 | -40.2 | 5.332 | 9.98 | H | Pass |
| 6927 | -26.16 | -13 | -13.16 | -52.55 | -31.4 | 6.1 | 11.34 | H | Pass |
| 8663 | -34.18 | -13 | -21.18 | -60.03 | -39.1 | 8.25 | 13.17 | H | Pass |
| 10392 | -31.21 | -13 | -18.21 | -60.55 | -35.5 | 8.65 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -37.27 | -13 | -24.27 | -53.06 | -41.1 | 4.48 | 8.31 | V | Pass |
| 5198 | -35.36 | -13 | -22.36 | -54.57 | -40 | 5.332 | 9.98 | V | Pass |
| 6927 | -30.26 | -13 | -17.26 | -56.08 | -35.5 | 6.1 | 11.34 | V | Pass |
| 8663 | -38.78 | -13 | -25.78 | -64.36 | -43.7 | 8.25 | 13.17 | V | Pass |
| 10392 | -33.41 | -13 | -20.41 | -61.76 | -37.7 | 8.65 | 12.94 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -32.53 | -13 | -19.53 | -47.07 | -36.8 | 4.14 | 8.41 | H | Pass |
| 5261 | -29.05 | -13 | -16.05 | -48.57 | -34 | 5.12 | 10.07 | H | Pass |
| 7018 | -26.41 | -13 | -13.41 | -53.06 | -31.7 | 6.13 | 11.42 | H | Pass |
| 8768 | -30.20 | -13 | -17.20 | -56.39 | -35.3 | 8.05 | 13.15 | H | Pass |
| 10520 | -32.26 | -13 | -19.26 | -62.24 | -37.8 | 7.38 | 12.92 | H | Pass |
| 12280 | -34.00 | -13 | -21.00 | -66.23 | -37.1 | 9.8 | 12.90 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 1MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -39.33 | -13 | -26.33 | -55.18 | -43.6 | 4.14 | 8.41 | V | Pass |
| 5261 | -30.35 | -13 | -17.35 | -50.01 | -35.3 | 5.12 | 10.07 | V | Pass |
| 7018 | -30.51 | -13 | -17.51 | -56.36 | -35.8 | 6.13 | 11.42 | V | Pass |
| 8768 | -36.60 | -13 | -23.60 | -61.66 | -41.7 | 8.05 | 13.15 | V | Pass |
| 10520 | -35.96 | -13 | -22.96 | -64.37 | -41.5 | 7.38 | 12.92 | V | Pass |
| 12272 | -35.50 | -13 | -22.50 | -66.29 | -38.6 | 9.8 | 12.90 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -37.22 | -13 | -24.22 | -51.92 | -41.1 | 4.43 | 8.31 | H | Pass |
| 5128 | -34.13 | -13 | -21.13 | -52.5 | -38.7 | 5.31 | 9.88 | H | Pass |
| 6843 | -28.27 | -13 | -15.27 | -53.89 | -33.6 | 6.02 | 11.35 | H | Pass |
| 8551 | -32.12 | -13 | -19.12 | -58.08 | -37.1 | 8.13 | 13.11 | H | Pass |
| 10264 | -32.50 | -13 | -19.50 | -61.97 | -36.8 | 8.56 | 12.86 | H | Pass |
| 11968 | -33.18 | -13 | -20.18 | -64.49 | -37.5 | 8.5 | 12.82 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -38.82 | -13 | -25.82 | -54.52 | -42.7 | 4.43 | 8.31 | V | Pass |
| 5128 | -34.23 | -13 | -21.23 | -53.1 | -38.8 | 5.31 | 9.88 | V | Pass |
| 6843 | -31.87 | -13 | -18.87 | -57.16 | -37.2 | 6.02 | 11.35 | V | Pass |
| 8551 | -37.52 | -13 | -24.52 | -63.08 | -42.5 | 8.13 | 13.11 | V | Pass |
| 10256 | -35.20 | -13 | -22.20 | -63.91 | -39.5 | 8.56 | 12.86 | V | Pass |
| 11968 | -34.08 | -13 | -21.08 | -63.84 | -38.4 | 8.5 | 12.82 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3462 | -35.07 | -13 | -22.07 | -49.69 | -38.9 | 4.48 | 8.31 | H | Pass |
| 5191 | -35.46 | -13 | -22.46 | -54.46 | -40.1 | 5.332 | 9.98 | H | Pass |
| 6927 | -25.56 | -13 | -12.56 | -51.97 | -30.8 | 6.1 | 11.34 | H | Pass |
| 8656 | -34.18 | -13 | -21.18 | -60.07 | -39.1 | 8.25 | 13.17 | H | Pass |
| 10384 | -31.51 | -13 | -18.51 | -60.61 | -35.8 | 8.65 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -36.97 | -13 | -23.97 | -53.19 | -40.8 | 4.48 | 8.31 | V | Pass |
| 5191 | -36.36 | -13 | -23.36 | -55.17 | -41 | 5.332 | 9.98 | V | Pass |
| 6927 | -30.26 | -13 | -17.26 | -55.85 | -35.5 | 6.1 | 11.34 | V | Pass |
| 8656 | -40.18 | -13 | -27.18 | -65.64 | -45.1 | 8.25 | 13.17 | V | Pass |
| 10384 | -34.21 | -13 | -21.21 | -62.71 | -38.5 | 8.65 | 12.94 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -32.43 | -13 | -19.43 | -49.96 | -36.7 | 4.14 | 8.41 | H | Pass |
| 5254 | -30.15 | -13 | -17.15 | -49.27 | -35.1 | 5.12 | 10.07 | H | Pass |
| 7011 | -26.91 | -13 | -13.91 | -53.54 | -32.2 | 6.13 | 11.42 | H | Pass |
| 8761 | -31.40 | -13 | -18.40 | -57 | -36.5 | 8.05 | 13.15 | H | Pass |
| 10512 | -30.96 | -13 | -17.96 | -61.06 | -36.5 | 7.38 | 12.92 | H | Pass |
| 12264 | -34.10 | -13 | -21.10 | -66.59 | -37.2 | 9.8 | 12.90 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 3MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -39.23 | -13 | -26.23 | -55.26 | -43.5 | 4.14 | 8.41 | V | Pass |
| 5254 | -31.95 | -13 | -18.95 | -51.57 | -36.9 | 5.12 | 10.07 | V | Pass |
| 7011 | -31.81 | -13 | -18.81 | -57.65 | -37.1 | 6.13 | 11.42 | V | Pass |
| 8761 | -34.90 | -13 | -21.90 | -60.37 | -40 | 8.05 | 13.15 | V | Pass |
| 10512 | -35.26 | -13 | -22.26 | -63.64 | -40.8 | 7.38 | 12.92 | V | Pass |
| 12264 | -34.40 | -13 | -21.40 | -64.9 | -37.5 | 9.8 | 12.90 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -36.37 | -13 | -23.37 | -50.9 | -40.2 | 4.48 | 8.31 | H | Pass |
| 5128 | -32.46 | -13 | -19.46 | -51.3 | -37.1 | 5.332 | 9.98 | H | Pass |
| 6843 | -28.86 | -13 | -15.86 | -54.62 | -34.1 | 6.1 | 11.34 | H | Pass |
| 8551 | -30.98 | -13 | -17.98 | -57.06 | -35.9 | 8.25 | 13.17 | H | Pass |
| 10264 | -33.51 | -13 | -20.51 | -63.03 | -37.8 | 8.65 | 12.94 | H | Pass |
| 11968 | -33.19 | -13 | -20.19 | -64.58 | -37.5 | 8.59 | 12.90 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -38.27 | -13 | -25.27 | -54.08 | -42.1 | 4.48 | 8.31 | V | Pass |
| 5128 | -36.06 | -13 | -23.06 | -54.69 | -40.7 | 5.332 | 9.98 | V | Pass |
| 6843 | -32.26 | -13 | -19.26 | -57.27 | -37.5 | 6.1 | 11.34 | V | Pass |
| 8551 | -37.58 | -13 | -24.58 | -63.05 | -42.5 | 8.25 | 13.17 | V | Pass |
| 10264 | -35.91 | -13 | -22.91 | -64.19 | -40.2 | 8.65 | 12.94 | V | Pass |
| 11968 | -35.89 | -13 | -22.89 | -65.78 | -40.2 | 8.59 | 12.90 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3462 | -34.47 | -13 | -21.47 | -40.09 | -38.3 | 4.48 | 8.31 | H | Pass |
| 5191 | -35.56 | -13 | -22.56 | -54.56 | -40.2 | 5.332 | 9.98 | H | Pass |
| 6920 | -25.56 | -13 | -12.56 | -51.66 | -30.8 | 6.1 | 11.34 | H | Pass |
| 8649 | -35.58 | -13 | -22.58 | -61.41 | -40.5 | 8.25 | 13.17 | H | Pass |
| 10384 | -32.61 | -13 | -19.61 | -62.03 | -36.9 | 8.65 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -37.47 | -13 | -24.47 | -53.22 | -41.3 | 4.48 | 8.31 | V | Pass |
| 5191 | -36.56 | -13 | -23.56 | -55.81 | -41.2 | 5.332 | 9.98 | V | Pass |
| 6920 | -29.86 | -13 | -16.86 | -55.08 | -35.1 | 6.1 | 11.34 | V | Pass |
| 8649 | -39.28 | -13 | -26.28 | -65.01 | -44.2 | 8.25 | 13.17 | V | Pass |
| 10384 | -34.51 | -13 | -21.51 | -62.64 | -38.8 | 8.65 | 12.94 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3497 | -32.83 | -13 | -19.83 | -47.2 | -37.1 | 4.16 | 8.43 | H | Pass |
| 5247 | -29.54 | -13 | -16.54 | -48.89 | -34.5 | 5.13 | 10.09 | H | Pass |
| 7004 | -26.22 | -13 | -13.22 | -53.29 | -31.5 | 6.15 | 11.43 | H | Pass |
| 8754 | -29.94 | -13 | -16.94 | -56.54 | -35 | 8.09 | 13.15 | H | Pass |
| 10504 | -31.58 | -13 | -18.58 | -61.16 | -37.1 | 7.41 | 12.93 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3497 | -39.43 | -13 | -26.43 | -54.77 | -43.7 | 4.16 | 8.43 | V | Pass |
| 5254 | -30.84 | -13 | -17.84 | -50.38 | -35.8 | 5.13 | 10.09 | V | Pass |
| 7004 | -31.22 | -13 | -18.22 | -56.83 | -36.5 | 6.15 | 11.43 | V | Pass |
| 8754 | -35.74 | -13 | -22.74 | -61.13 | -40.8 | 8.09 | 13.15 | V | Pass |
| 10504 | -35.28 | -13 | -22.28 | -63.65 | -40.8 | 7.41 | 12.93 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -38.28 | -13 | -25.28 | -52.62 | -42.1 | 4.51 | 8.33 | H | Pass |
| 5128 | -34.43 | -13 | -21.43 | -52.91 | -39.1 | 5.36 | 10.03 | H | Pass |
| 6843 | -27.97 | -13 | -14.97 | -53.78 | -33.2 | 6.13 | 11.36 | H | Pass |
| 8551 | -29.00 | -13 | -16.00 | -55.12 | -33.9 | 8.29 | 13.19 | H | Pass |
| 10264 | -33.55 | -13 | -20.55 | -62.85 | -37.8 | 8.74 | 12.99 | H | Pass |
| 11976 | -32.01 | -13 | -19.01 | -63.39 | -36.3 | 8.65 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -40.18 | -13 | -27.18 | -55.93 | -44 | 4.51 | 8.33 | V | Pass |
| 5128 | -34.03 | -13 | -21.03 | -52.31 | -38.7 | 5.36 | 10.03 | V | Pass |
| 6843 | -31.37 | -13 | -18.37 | -56.46 | -36.6 | 6.13 | 11.36 | V | Pass |
| 8551 | -36.30 | -13 | -23.30 | -61.76 | -41.2 | 8.29 | 13.19 | V | Pass |
| 10264 | -37.35 | -13 | -24.35 | -65.33 | -41.6 | 8.74 | 12.99 | V | Pass |
| 11976 | -35.31 | -13 | -22.31 | -65.05 | -39.6 | 8.65 | 12.94 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3455 | -34.27 | -13 | -21.27 | -48.9 | -38.1 | 4.48 | 8.31 | H | Pass |
| 5184 | -36.16 | -13 | -23.16 | -55.43 | -40.8 | 5.332 | 9.98 | H | Pass |
| 6913 | -26.06 | -13 | -13.06 | -52.41 | -31.3 | 6.1 | 11.34 | H | Pass |
| 8642 | -34.18 | -13 | -21.18 | -59.79 | -39.1 | 8.25 | 13.17 | H | Pass |
| 10368 | -32.91 | -13 | -19.91 | -62.05 | -37.2 | 8.65 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3455 | -37.27 | -13 | -24.27 | -52.89 | -41.1 | 4.48 | 8.31 | V | Pass |
| 5184 | -38.06 | -13 | -25.06 | -57.02 | -42.7 | 5.332 | 9.98 | V | Pass |
| 6913 | -29.46 | -13 | -16.46 | -54.94 | -34.7 | 6.1 | 11.34 | V | Pass |
| 8642 | -39.58 | -13 | -26.58 | -65.2 | -44.5 | 8.25 | 13.17 | V | Pass |
| 10368 | -35.01 | -13 | -22.01 | -63.05 | -39.3 | 8.65 | 12.94 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3490 | -34.51 | -13 | -21.51 | -48.82 | -38.7 | 4.2 | 8.39 | H | Pass |
| 5233 | -30.72 | -13 | -17.72 | -50.31 | -35.6 | 5.17 | 10.05 | H | Pass |
| 6983 | -26.20 | -13 | -13.20 | -52.58 | -31.4 | 6.2 | 11.40 | H | Pass |
| 8726 | -32.49 | -13 | -19.49 | -57.36 | -37.5 | 8.11 | 13.12 | H | Pass |
| 10472 | -32.06 | -13 | -19.06 | -61.6 | -37.5 | 7.45 | 12.89 | H | Pass |
| 12216 | -33.22 | -13 | -20.22 | -65.57 | -36.2 | 9.88 | 12.86 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3490 | -38.91 | -13 | -25.91 | -54.54 | -43.1 | 4.2 | 8.39 | V | Pass |
| 5233 | -32.92 | -13 | -19.92 | -51.97 | -37.8 | 5.17 | 10.05 | V | Pass |
| 6983 | -30.40 | -13 | -17.40 | -56.23 | -35.6 | 6.2 | 11.40 | V | Pass |
| 8726 | -35.19 | -13 | -22.19 | -60.91 | -40.2 | 8.11 | 13.12 | V | Pass |
| 10472 | -35.66 | -13 | -22.66 | -64.01 | -41.1 | 7.45 | 12.89 | V | Pass |
| 12216 | -35.12 | -13 | -22.12 | -65.4 | -38.1 | 9.88 | 12.86 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -38.23 | -13 | -25.23 | -52.48 | -42 | 4.59 | 8.36 | H | Pass |
| 5135 | -33.46 | -13 | -20.46 | -51.68 | -38.1 | 5.41 | 10.05 | H | Pass |
| 6843 | -28.46 | -13 | -15.46 | -54.28 | -33.7 | 6.15 | 11.39 | H | Pass |
| 8551 | -30.22 | -13 | -17.22 | -56.1 | -35.1 | 8.36 | 13.24 | H | Pass |
| 10264 | -33.22 | -13 | -20.22 | -62.46 | -37.5 | 8.75 | 13.03 | H | Pass |
| 11976 | -32.51 | -13 | -19.51 | -63.9 | -36.7 | 8.77 | 12.96 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -39.03 | -13 | -26.03 | -55.12 | -42.8 | 4.59 | 8.36 | V | Pass |
| 5135 | -35.06 | -13 | -22.06 | -53.77 | -39.7 | 5.41 | 10.05 | V | Pass |
| 6843 | -31.26 | -13 | -18.26 | -56.82 | -36.5 | 6.15 | 11.39 | V | Pass |
| 8551 | -37.12 | -13 | -24.12 | -62.47 | -42 | 8.36 | 13.24 | V | Pass |
| 10264 | -36.52 | -13 | -23.52 | -64.88 | -40.8 | 8.75 | 13.03 | V | Pass |
| 11976 | -35.51 | -13 | -22.51 | -65.33 | -39.7 | 8.77 | 12.96 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3448 | -36.57 | -13 | -23.57 | -51.17 | -40.4 | 4.48 | 8.31 | H | Pass |
| 5177 | -36.26 | -13 | -23.26 | -55.32 | -40.9 | 5.332 | 9.98 | H | Pass |
| 6906 | -26.76 | -13 | -13.76 | -52.91 | -32 | 6.1 | 11.34 | H | Pass |
| 8628 | -32.98 | -13 | -19.98 | -59.01 | -37.9 | 8.25 | 13.17 | H | Pass |
| 10352 | -33.21 | -13 | -20.21 | -62.42 | -37.5 | 8.65 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3448 | -38.27 | -13 | -25.27 | -54.16 | -42.1 | 4.48 | 8.31 | V | Pass |
| 5177 | -38.26 | -13 | -25.26 | -57.11 | -42.9 | 5.332 | 9.98 | V | Pass |
| 6906 | -28.46 | -13 | -15.46 | -54.04 | -33.7 | 6.1 | 11.34 | V | Pass |
| 8628 | -39.68 | -13 | -26.68 | -65.3 | -44.6 | 8.25 | 13.17 | V | Pass |
| 10352 | -36.21 | -13 | -23.21 | -64.62 | -40.5 | 8.65 | 12.94 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3483 | -34.36 | -13 | -21.36 | -49.12 | -38.5 | 4.24 | 8.38 | H | Pass |
| 5219 | -30.63 | -13 | -17.63 | -49.89 | -35.5 | 5.18 | 10.05 | H | Pass |
| 6962 | -27.31 | -13 | -14.31 | -53.65 | -32.5 | 6.19 | 11.38 | H | Pass |
| 8705 | -30.81 | -13 | -17.81 | -56.8 | -35.8 | 8.1 | 13.09 | H | Pass |
| 10448 | -31.25 | -13 | -18.25 | -60.63 | -36.7 | 7.43 | 12.88 | H | Pass |
| 12184 | -33.55 | -13 | -20.55 | -65.6 | -36.5 | 9.89 | 12.84 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3483 | -39.36 | -13 | -26.36 | -54.68 | -43.5 | 4.24 | 8.38 | V | Pass |
| 5219 | -32.23 | -13 | -19.23 | -51.59 | -37.1 | 5.18 | 10.05 | V | Pass |
| 6962 | -30.51 | -13 | -17.51 | -56.17 | -35.7 | 6.19 | 11.38 | V | Pass |
| 8705 | -36.31 | -13 | -23.31 | -62.17 | -41.3 | 8.1 | 13.09 | V | Pass |
| 10448 | -35.35 | -13 | -22.35 | -64.04 | -40.8 | 7.43 | 12.88 | V | Pass |
| 12184 | -34.95 | -13 | -21.95 | -65.34 | -37.9 | 9.89 | 12.84 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -37.92 | -13 | -24.92 | -52.41 | -41.7 | 4.62 | 8.40 | H | Pass |
| 5135 | -33.87 | -13 | -20.87 | -52.7 | -38.5 | 5.45 | 10.08 | H | Pass |
| 6843 | -28.26 | -13 | -15.26 | -54.72 | -33.5 | 6.18 | 11.42 | H | Pass |
| 8558 | -30.33 | -13 | -17.33 | -56.45 | -35.2 | 8.39 | 13.26 | H | Pass |
| 10264 | -32.86 | -13 | -19.86 | -62.38 | -37.2 | 8.77 | 13.11 | H | Pass |
| 11976 | -31.91 | -13 | -18.91 | -63.32 | -36.1 | 8.8 | 12.99 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -40.22 | -13 | -27.22 | -56.05 | -44 | 4.62 | 8.40 | V | Pass |
| 5135 | -33.17 | -13 | -20.17 | -51.84 | -37.8 | 5.45 | 10.08 | V | Pass |
| 6843 | -32.36 | -13 | -19.36 | -57.87 | -37.6 | 6.18 | 11.42 | V | Pass |
| 8558 | -37.53 | -13 | -24.53 | -62.93 | -42.4 | 8.39 | 13.26 | V | Pass |
| 10264 | -37.36 | -13 | -24.36 | -65.86 | -41.7 | 8.77 | 13.11 | V | Pass |
| 11976 | -35.81 | -13 | -22.81 | -65.71 | -40 | 8.8 | 12.99 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3448 | -36.07 | -13 | -23.07 | -50.42 | -39.9 | 4.48 | 8.31 | H | Pass |
| 5170 | -37.56 | -13 | -24.56 | -56.41 | -42.2 | 5.332 | 9.98 | H | Pass |
| 6892 | -26.56 | -13 | -13.56 | -52.85 | -31.8 | 6.1 | 11.34 | H | Pass |
| 8621 | -33.98 | -13 | -20.98 | -59.68 | -38.9 | 8.25 | 13.17 | H | Pass |
| 10344 | -32.91 | -13 | -19.91 | -62.24 | -37.2 | 8.65 | 12.94 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3448 | -37.57 | -13 | -24.57 | -53.54 | -41.4 | 4.48 | 8.31 | V | Pass |
| 5170 | -36.96 | -13 | -23.96 | -55.71 | -41.6 | 5.332 | 9.98 | V | Pass |
| 6892 | -29.86 | -13 | -16.86 | -55.3 | -35.1 | 6.1 | 11.34 | V | Pass |
| 8621 | -38.78 | -13 | -25.78 | -64.69 | -43.7 | 8.25 | 13.17 | V | Pass |
| 10344 | -37.01 | -13 | -24.01 | -65.37 | -41.3 | 8.65 | 12.94 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3469 | -34.41 | -13 | -21.41 | -48.8 | -38.5 | 4.28 | 8.37 | H | Pass |
| 5205 | -35.39 | -13 | -22.39 | -54.23 | -40.2 | 5.22 | 10.03 | H | Pass |
| 6941 | -26.97 | -13 | -13.97 | -53.31 | -32.1 | 6.23 | 11.36 | H | Pass |
| 8677 | -36.17 | -13 | -23.17 | -61.83 | -41.1 | 8.15 | 13.08 | H | Pass |
| 10416 | -31.38 | -13 | -18.38 | -60.66 | -36.8 | 7.47 | 12.89 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 4 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 3469 | -38.01 | -13 | -25.01 | -53.76 | -42.1 | 4.28 | 8.37 | V | Pass |
| 5205 | -35.89 | -13 | -22.89 | -54.88 | -40.7 | 5.22 | 10.03 | V | Pass |
| 6941 | -31.07 | -13 | -18.07 | -56.47 | -36.2 | 6.23 | 11.36 | V | Pass |
| 8677 | -39.87 | -13 | -26.87 | -65.41 | -44.8 | 8.15 | 13.08 | V | Pass |
| 10416 | -34.08 | -13 | -21.08 | -63.01 | -39.5 | 7.47 | 12.89 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 4998 | -31.79 | -25 | -6.79 | -49.64 | -35.35 | 6.78 | 10.34 | H | Pass |
| 7500 | -34.51 | -25 | -9.51 | -56.1 | -37.55 | 9.22 | 12.26 | H | Pass |
| 10002 | -33.86 | -25 | -8.86 | -62.61 | -38.2 | 8.51 | 12.85 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 4998 | -37.74 | -25 | -12.74 | -55.75 | -41.3 | 6.78 | 10.34 | V | Pass |
| 7500 | -30.71 | -25 | -5.71 | -58.08 | -33.75 | 9.22 | 12.26 | V | Pass |
| 10002 | -36.91 | -25 | -11.91 | -64.71 | -41.25 | 8.51 | 12.85 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5064 | -34.64 | -25 | -9.64 | -52.83 | -38.13 | 6.86 | 10.35 | H | Pass |
| 7596 | -25.14 | -25 | -0.14 | -51.89 | -28.03 | 9.34 | 12.23 | H | Pass |
| 10134 | -28.84 | -25 | -3.84 | -57.76 | -32.94 | 8.64 | 12.74 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5064 | -39.98 | -25 | -14.98 | -58.26 | -43.47 | 6.86 | 10.35 | V | Pass |
| 7596 | -29.16 | -25 | -4.16 | -55.71 | -32.05 | 9.34 | 12.23 | V | Pass |
| 10134 | -36.92 | -25 | -11.92 | -64.85 | -41.02 | 8.64 | 12.74 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5130 | -33.87 | -25 | -8.87 | -52.37 | -37.4 | 6.9 | 10.43 | H | Pass |
| 7698 | -25.77 | -25 | -0.77 | -51.72 | -28.7 | 9.39 | 12.32 | H | Pass |
| 10260 | -25.09 | -25 | -0.09 | -54.16 | -29.23 | 8.71 | 12.85 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5130 | -39.54 | -25 | -14.54 | -58.11 | -43.07 | 6.9 | 10.43 | V | Pass |
| 7698 | -28.91 | -25 | -3.91 | -54.74 | -31.84 | 9.39 | 12.32 | V | Pass |
| 10260 | -29.41 | -25 | -4.41 | -57.52 | -33.55 | 8.71 | 12.85 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 4998 | -32.01 | -25 | -7.01 | -49.85 | -35.55 | 6.81 | 10.35 | H | Pass |
| 7500 | -29.75 | -25 | -4.75 | -57.33 | -32.73 | 9.26 | 12.24 | H | Pass |
| 10002 | -33.18 | -25 | -8.18 | -61.92 | -37.47 | 8.54 | 12.83 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 4998 | -38.33 | -25 | -13.33 | -56.37 | -41.87 | 6.81 | 10.35 | V | Pass |
| 7500 | -31.52 | -25 | -6.52 | -58.86 | -34.5 | 9.26 | 12.24 | V | Pass |
| 10002 | -37.72 | -25 | -12.72 | -65.55 | -42.01 | 8.54 | 12.83 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5058 | -35.44 | -25 | -10.44 | -53.64 | -38.93 | 6.86 | 10.35 | H | Pass |
| 7590 | -25.46 | -25 | -0.46 | -52.22 | -28.35 | 9.34 | 12.23 | H | Pass |
| 10122 | -27.53 | -25 | -2.53 | -56.44 | -31.63 | 8.64 | 12.74 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5058 | -40.24 | -25 | -15.24 | -58.56 | -43.73 | 6.86 | 10.35 | V | Pass |
| 7590 | -27.53 | -25 | -2.53 | -54.12 | -30.42 | 9.34 | 12.23 | V | Pass |
| 10122 | -35.04 | -25 | -10.04 | -62.98 | -39.14 | 8.64 | 12.74 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5118 | -31.99 | -25 | -6.99 | -50.42 | -35.53 | 6.88 | 10.42 | H | Pass |
| 7680 | -25.42 | -25 | -0.42 | -50.85 | -28.36 | 9.37 | 12.31 | H | Pass |
| 10242 | -26.40 | -25 | -1.40 | -55.45 | -30.59 | 8.64 | 12.83 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5118 | -38.75 | -25 | -13.75 | -56.86 | -42.29 | 6.88 | 10.42 | V | Pass |
| 7680 | -26.14 | -25 | -1.14 | -52.29 | -29.08 | 9.37 | 12.31 | V | Pass |
| 10242 | -34.49 | -25 | -9.49 | -62.81 | -38.68 | 8.64 | 12.83 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5004 | -32.16 | -25 | -7.16 | -50.1 | -35.71 | 6.82 | 10.37 | H | Pass |
| 7500 | -29.76 | -25 | -4.76 | -57.29 | -32.75 | 9.27 | 12.26 | H | Pass |
| 10002 | -32.78 | -25 | -7.78 | -61.52 | -37.11 | 8.55 | 12.88 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5004 | -38.33 | -25 | -13.33 | -56.37 | -41.88 | 6.82 | 10.37 | V | Pass |
| 7500 | -31.01 | -25 | -6.01 | -58.24 | -34 | 9.27 | 12.26 | V | Pass |
| 10002 | -36.71 | -25 | -11.71 | -64.45 | -41.04 | 8.55 | 12.88 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5058 | -38.27 | -25 | -13.27 | -56.44 | -41.76 | 6.86 | 10.35 | H | Pass |
| 7584 | -28.44 | -25 | -3.44 | -55.33 | -31.33 | 9.34 | 12.23 | H | Pass |
| 10110 | -26.92 | -25 | -1.92 | -55.76 | -31.02 | 8.64 | 12.74 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5058 | -40.19 | -25 | -15.19 | -58.42 | -43.68 | 6.86 | 10.35 | V | Pass |
| 7584 | -28.37 | -25 | -3.37 | -55.08 | -31.26 | 9.34 | 12.23 | V | Pass |
| 10110 | -34.89 | -25 | -9.89 | -62.88 | -38.99 | 8.64 | 12.74 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5112 | -34.08 | -25 | -9.08 | -52.41 | -37.62 | 6.87 | 10.41 | H | Pass |
| 7668 | -26.54 | -25 | -1.54 | -52.79 | -29.49 | 9.35 | 12.30 | H | Pass |
| 10224 | -28.19 | -25 | -3.19 | -57.3 | -32.38 | 8.63 | 12.82 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 15MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5112 | -41.57 | -25 | -16.57 | -60.06 | -45.11 | 6.87 | 10.41 | V | Pass |
| 7668 | -27.10 | -25 | -2.10 | -53.19 | -30.05 | 9.35 | 12.30 | V | Pass |
| 10224 | -33.57 | -25 | -8.57 | -61.59 | -37.76 | 8.63 | 12.82 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5004 | -31.90 | -25 | -6.90 | -49.78 | -35.45 | 6.83 | 10.38 | H | Pass |
| 7506 | -29.09 | -25 | -4.09 | -56.47 | -32.06 | 9.28 | 12.25 | H | Pass |
| 10002 | -34.09 | -25 | -9.09 | -62.85 | -38.44 | 8.54 | 12.89 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5004 | -37.45 | -25 | -12.45 | -55.48 | -41 | 6.83 | 10.38 | V | Pass |
| 7506 | -31.48 | -25 | -6.48 | -58.72 | -34.45 | 9.28 | 12.25 | V | Pass |
| 10002 | -37.68 | -25 | -12.68 | -65.41 | -42.03 | 8.54 | 12.89 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5052 | -34.10 | -25 | -9.10 | -52.18 | -37.59 | 6.86 | 10.35 | H | Pass |
| 7578 | -27.16 | -25 | -2.16 | -53.97 | -30.05 | 9.34 | 12.23 | H | Pass |
| 10104 | -28.12 | -25 | -3.12 | -56.97 | -32.22 | 8.64 | 12.74 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5052 | -40.03 | -25 | -15.03 | -58.26 | -43.52 | 6.86 | 10.35 | V | Pass |
| 7578 | -29.11 | -25 | -4.11 | -55.7 | -32 | 9.34 | 12.23 | V | Pass |
| 10104 | -33.66 | -25 | -8.66 | -61.45 | -37.76 | 8.64 | 12.74 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5100 | -31.23 | -25 | -6.23 | -49.58 | -35.77 | 5.84 | 10.38 | H | Pass |
| 7656 | -25.60 | -25 | -0.60 | -52.03 | -28.54 | 9.33 | 12.27 | H | Pass |
| 10206 | -30.33 | -25 | -5.33 | -59.31 | -34.53 | 8.6 | 12.80 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 20MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5100 | -35.82 | -25 | -10.82 | -55.14 | -40.36 | 5.84 | 10.38 | V | Pass |
| 7656 | -25.84 | -25 | -0.84 | -51.82 | -28.78 | 9.33 | 12.27 | V | Pass |
| 10206 | -35.48 | -25 | -10.48 | -63.35 | -39.68 | 8.6 | 12.80 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -43.50 | -13 | -30.50 | -49.54 | -45.44 | 1.51 | 5.60 | H | Pass |
| 2112 | -46.46 | -13 | -33.46 | -55.46 | -48.49 | 1.82 | 6.00 | H | Pass |
| 2816 | -45.23 | -13 | -32.23 | -56.38 | -47.86 | 2.2 | 6.98 | H | Pass |
| 3520 | -45.36 | -13 | -32.36 | -57.67 | -49.03 | 2.42 | 8.24 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -35.62 | -13 | -22.62 | -43.78 | -37.56 | 1.51 | 5.60 | V | Pass |
| 2112 | -40.93 | -13 | -27.93 | -51.77 | -42.96 | 1.82 | 6.00 | V | Pass |
| 2816 | -43.99 | -13 | -30.99 | -56.78 | -46.62 | 2.2 | 6.98 | V | Pass |
| 3520 | -42.34 | -13 | -29.34 | -55.74 | -46.01 | 2.42 | 8.24 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -46.95 | -13 | -33.95 | -52.99 | -48.88 | 1.53 | 5.61 | H | Pass |
| 2120 | -42.23 | -13 | -29.23 | -51.35 | -44.25 | 1.85 | 6.02 | H | Pass |
| 2832 | -40.75 | -13 | -27.75 | -51.97 | -43.36 | 2.24 | 7.00 | H | Pass |
| 3536 | -45.35 | -13 | -32.35 | -57.64 | -49 | 2.46 | 8.26 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -34.82 | -13 | -21.82 | -43.04 | -36.75 | 1.53 | 5.61 | V | Pass |
| 2120 | -39.00 | -13 | -26.00 | -50.12 | -41.02 | 1.85 | 6.02 | V | Pass |
| 2832 | -41.78 | -13 | -28.78 | -53.84 | -44.39 | 2.24 | 7.00 | V | Pass |
| 3536 | -42.01 | -13 | -29.01 | -55.47 | -45.66 | 2.46 | 8.26 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1424 | -51.60 | -13 | -38.60 | -57.65 | -53.55 | 1.54 | 5.64 | H | Pass |
| 2136 | -46.70 | -13 | -33.70 | -55.77 | -48.76 | 1.87 | 6.08 | H | Pass |
| 2848 | -43.68 | -13 | -30.68 | -54.97 | -46.38 | 2.26 | 7.11 | H | Pass |
| 3560 | -50.10 | -13 | -37.10 | -62.63 | -53.78 | 2.48 | 8.31 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 1424 | -40.17 | -13 | -27.17 | -48.33 | -42.12 | 1.54 | 5.64 | V | Pass |
| 2136 | -41.43 | -13 | -28.43 | -52.47 | -43.49 | 1.87 | 6.08 | V | Pass |
| 2848 | -43.35 | -13 | -30.35 | -56.25 | -46.05 | 2.26 | 7.11 | V | Pass |
| 3552 | -46.54 | -13 | -33.54 | -60.07 | -50.22 | 2.48 | 8.31 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -44.58 | -13 | -31.58 | -50.54 | -46.52 | 1.52 | 5.61 | H | Pass |
| 2112 | -44.59 | -13 | -31.59 | -53.61 | -46.63 | 1.83 | 6.02 | H | Pass |
| 2816 | -43.59 | -13 | -30.59 | -54.86 | -46.21 | 2.24 | 7.01 | H | Pass |
| 3520 | -45.01 | -13 | -32.01 | -57.27 | -48.57 | 2.5 | 8.21 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -33.54 | -13 | -20.54 | -41.71 | -35.49 | 1.51 | 5.61 | V | Pass |
| 2112 | -38.90 | -13 | -25.90 | -49.63 | -40.95 | 1.82 | 6.02 | V | Pass |
| 2816 | -42.57 | -13 | -29.57 | -55.34 | -45.23 | 2.2 | 7.01 | V | Pass |
| 3520 | -41.23 | -13 | -28.23 | -54.54 | -44.87 | 2.42 | 8.21 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -45.59 | -13 | -32.59 | -51.65 | -47.52 | 1.53 | 5.61 | H | Pass |
| 2112 | -42.41 | -13 | -29.41 | -51.42 | -44.43 | 1.85 | 6.02 | H | Pass |
| 2824 | -40.78 | -13 | -27.78 | -52.08 | -43.39 | 2.24 | 7.00 | H | Pass |
| 3528 | -42.47 | -13 | -29.47 | -54.77 | -46.12 | 2.46 | 8.26 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -34.82 | -13 | -21.82 | -42.93 | -36.75 | 1.53 | 5.61 | V | Pass |
| 2112 | -38.67 | -13 | -25.67 | -49.44 | -40.69 | 1.85 | 6.02 | V | Pass |
| 2824 | -41.13 | -13 | -28.13 | -53.89 | -43.74 | 2.24 | 7.00 | V | Pass |
| 3528 | -40.46 | -13 | -27.46 | -53.97 | -44.11 | 2.46 | 8.26 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -47.55 | -13 | -34.55 | -51.4 | -49.5 | 1.53 | 5.63 | H | Pass |
| 2120 | -43.90 | -13 | -30.90 | -51.02 | -45.95 | 1.88 | 6.08 | H | Pass |
| 2824 | -42.33 | -13 | -29.33 | -51.43 | -45.02 | 2.27 | 7.11 | H | Pass |
| 3536 | -46.29 | -13 | -33.29 | -56.44 | -50 | 2.45 | 8.31 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 17 | **Temperature :** | 23~25°C |
| **Test Mode :** | 10MHz QPSK RB Size 1 Offset 0 | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 | -37.21 | -13 | -24.21 | -43.26 | -39.16 | 1.53 | 5.63 | V | Pass |
| 2120 | -40.20 | -13 | -27.20 | -49.01 | -42.25 | 1.88 | 6.08 | V | Pass |
| 2824 | -42.67 | -13 | -29.67 | -53.38 | -45.36 | 2.27 | 7.11 | V | Pass |
| 3536 | -42.43 | -13 | -29.43 | -53.73 | -46.14 | 2.45 | 8.31 | V | Pass |

**<Low Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 + WPC Charging | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 4998 | -38.28 | -25 | -13.28 | -53.8 | -41.84 | 6.78 | 10.34 | H | Pass |
| 7500 | -36.73 | -25 | -11.73 | -62.14 | -39.77 | 9.22 | 12.26 | H | Pass |
| 10002 | -40.99 | -25 | -15.99 | -67.51 | -45.33 | 8.51 | 12.85 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 + WPC Charging | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 4998 | -35.50 | -25 | -10.50 | -51.34 | -39.06 | 6.78 | 10.34 | V | Pass |
| 7500 | -33.96 | -25 | -8.96 | -58.99 | -37 | 9.22 | 12.26 | V | Pass |
| 10002 | -41.15 | -25 | -16.15 | -66.75 | -45.49 | 8.51 | 12.85 | V | Pass |

**<Middle Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 + WPC Charging | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5064 | -40.73 | -25 | -15.73 | -56.74 | -44.22 | 6.86 | 10.35 | H | Pass |
| 7596 | -32.47 | -25 | -7.47 | -57.03 | -35.36 | 9.34 | 12.23 | H | Pass |
| 10128 | -39.29 | -25 | -14.29 | -66.01 | -43.39 | 8.64 | 12.74 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 + WPC Charging | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5064 | -37.62 | -25 | -12.62 | -53.81 | -41.11 | 6.86 | 10.35 | V | Pass |
| 7596 | -33.43 | -25 | -8.43 | -57.82 | -36.32 | 9.34 | 12.23 | V | Pass |
| 10128 | -39.78 | -25 | -14.78 | -65.44 | -43.88 | 8.64 | 12.74 | V | Pass |

**<High Channel>**

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 + WPC Charging | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5130 | -39.34 | -25 | -14.34 | -55.67 | -42.87 | 6.9 | 10.43 | H | Pass |
| 7698 | -29.70 | -25 | -4.70 | -53.51 | -32.63 | 9.39 | 12.32 | H | Pass |
| 10260 | -34.72 | -25 | -9.72 | -61.45 | -38.86 | 8.71 | 12.85 | H | Pass |

| | | | |
|---|---|---|---|
| **Band :** | LTE Band 7 | **Temperature :** | 23~25°C |
| **Test Mode :** | 5MHz QPSK RB Size 1 Offset 0 + WPC Charging | **Relative Humidity :** | 44~48% |
| **Test Engineer :** | Eric Shih & Stan Hsieh & Ken Wu | **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 |
|---|---|---|---|---|---|---|---|---|---|
| 5130 | -38.80 | -25 | -13.80 | -55.14 | -42.33 | 6.9 | 10.43 | V | Pass |
| 7698 | -28.92 | -25 | -3.92 | -52.5 | -31.85 | 9.39 | 12.32 | V | Pass |
| 10260 | -33.85 | -25 | -8.85 | -59.88 | -37.99 | 8.71 | 12.85 | 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 system simulator.
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.

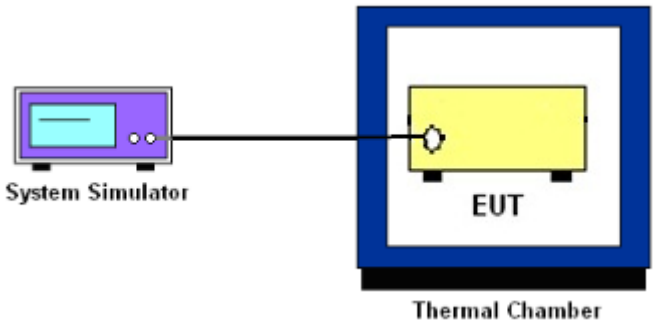
## 3.8.4 Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at 25±5° C and connected with the system simulator.
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 Procedures for Frequency Stability (IC)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The EUT was operated at the lowest and highest channel
3. Using RBW= 1% OBW and displaying line = -13dBm.
4. The frequency at these points shall be recorded as $f_L$ and $f_H$ respectively.
5. Calculate frequency stability within the 704 – 716 band.

### 3.8.6 Test Setup




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

| Band : | LTE Band 5 (QPSK) | Limit (ppm) : | 2.5 |
|---|---|---|---|

| Temperature (°C) | BW 10MHz | Result |
|---|---|---|
| | Deviation (ppm) | |
| 50 | 0.0049 | PASS |
| 40 | 0.0060 | |
| 30 | 0.0085 | |
| 20(Ref.) | 0.0000 | |
| 10 | 0.0024 | |
| 0 | 0.0037 | |
| -10 | 0.0018 | |
| -20 | 0.0038 | |
| -30 | 0.0013 | |

| Band : | LTE Band 2 (QPSK) | Limit (ppm) : | 2.5 |
|---|---|---|---|

| Temperature (°C) | BW 10MHz | Result |
|---|---|---|
| | Deviation (ppm) | |
| 50 | 0.0013 | PASS |
| 40 | 0.0034 | |
| 30 | 0.0032 | |
| 20(Ref.) | 0.0000 | |
| 10 | 0.0022 | |
| 0 | 0.0018 | |
| -10 | 0.0016 | |
| -20 | 0.0009 | |
| -30 | 0.0008 | |

| Band : | LTE Band 4 (QPSK) | Limit (ppm) : | 2.5 |
|---|---|---|---|

| Temperature (°C) | BW 10MHz | Result |
|---|---|---|
| | Deviation (ppm) | |
| 50 | 0.0002 | PASS |
| 40 | 0.0009 | |
| 30 | 0.0058 | |
| 20(Ref.) | 0.0000 | |
| 10 | 0.0005 | |
| 0 | 0.0016 | |
| -10 | 0.0023 | |
| -20 | 0.0041 | |
| -30 | 0.0003 | |

| Band : | LTE Band 7 (QPSK) | Limit (ppm) : | 2.5 |
|---|---|---|---|

| Temperature (°C) | BW 10MHz | Result |
|---|---|---|
| | Deviation (ppm) | |
| 50 | 0.0031 | PASS |
| 40 | 0.0051 | |
| 30 | 0.0002 | |
| 20(Ref.) | 0.0000 | |
| 10 | 0.0006 | |
| 0 | 0.0004 | |
| -10 | 0.0014 | |
| -20 | 0.0019 | |
| -30 | 0.0030 | |

| Band : | LTE Band 17 (QPSK) | Limit (ppm) : | 2.5 |
|---|---|---|---|

| Temperature (°C) | BW 10MHz | Result |
|---|---|---|
| | Deviation (ppm) | |
| 50 | 0.0045 | PASS |
| 40 | 0.0061 | |
| 30 | 0.0058 | |
| 20(Ref.) | 0.0000 | |
| 10 | 0.0025 | |
| 0 | 0.0045 | |
| -10 | 0.0063 | |
| -20 | 0.0038 | |
| -30 | 0.0046 | |

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

| Band | Bandwidth | Voltage (Volt) | Deviation (ppm) | Limit (ppm) | Result |
|---|---|---|---|---|---|
| LTE Band 5 | 10M | 4.2 | 0.0050 | 2.5 | PASS |
| | | 3.8 | 0.0047 | | |
| | | BEP | 0.0033 | | |
| LTE Band 2 | 10M | 4.2 | 0.0024 | | |
| | | 3.8 | 0.0013 | | |
| | | BEP | 0.0020 | | |
| LTE Band 4 | 10M | 4.2 | 0.0012 | | |
| | | 3.8 | 0.0012 | | |
| | | BEP | 0.0008 | | |
| LTE Band 7 | 10M | 4.2 | 0.0007 | | |
| | | 3.8 | 0.0000 | | |
| | | BEP | 0.0022 | | |
| LTE Band 17 | 10M | 4.2 | 0.0024 | | |
| | | 3.8 | 0.0031 | | |
| | | BEP | 0.0007 | | |

**Remark:**
1. Normal Voltage = 3.8V.
2. Battery End Point (BEP) = 3.6 V.

### 3.8.9 Test Result of Temperature and Voltage Variation (IC)

| Band : | LTE Band 17 |
|---|---|

| Condition | | Frequency Offset (△f) (Hz) | Note |
|---|---|---|---|
| Temperature | 50 ℃ | 2 | |
| | 40 ℃ | 3.1 | |
| | 30 ℃ | 2.9 | |
| | 20 ℃(Ref.) | -1.2 | |
| | 10 ℃ | 0.6 | |
| | 0 ℃ | 2 | |
| | -10 ℃ | 3.3 | |
| | -20 ℃ | 1.5 | |
| | -30 ℃ | 2.1 | |
| Voltage | 4.2 | 0.5 | |
| | 3.8 | 1 | |
| | BEP | -0.7 | |

|MAX(△f)| 3.3= Hz

**Remark:**

1. Normal Voltage = 3.8V.
2. Battery End Point (BEP) = 3.6 V.

### 3.8.10 Test Result of Frequency Stability (IC)

| Band : | LTE Band 17 |
|---|---|

| Frequency Stability | Frequency (MHz) | Limit Line | Result |
|---|---|---|---|
| $f_L$ – |MAX(△f)| | 704.144 | ≧ 704 MHz | PASS |
| $f_H$ + |MAX(△f)| | 715.856 | ≦ 716 MHz | |

# 4 List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|---|
| LTE Base Station | Anritsu | MT8820C | 6201026480 | 30MHz~2.7GHz SISO | Jan. 07, 2014 | Jul. 27, 2014 ~ Jul. 31, 2014 | Jan. 06, 2015 | Conducted (TH02-HY) |
| Spectrum Analyzer | Rohde & Schwarz | FSP40 | 100055 | 9kHz~40GHz | Jun. 09, 2014 | Jul. 27, 2014 ~ Jul. 31, 2014 | Jun. 08, 2015 | Conducted (TH02-HY) |
| Thermal Chamber | Ten Billion | TTH-D3SP | TBN-930701 | N/A | Jul. 17, 2014 | Jul. 27, 2014 ~ Jul. 31, 2014 | Jul. 16, 2015 | Conducted (TH02-HY) |
| Spectrum Analyzer | Rohde & Schwarz | FSV30 | 101749 | 10Hz ~ 30GHz | Feb. 10, 2014 | Jul. 19, 2014 ~ Jul. 30, 2014 | Feb. 09, 2015 | Radiation (03CH07-HY |
| Bilog Antenna | Schaffner | CBL6111C | 2726 | 30MHz ~ 1GHz | Oct. 10, 2013 | Jul. 19, 2014 ~ Jul. 30, 2014 | Oct. 09, 2014 | Radiation (03CH07-HY |
| Double Ridge Horn Antenna | ESCO | 3117 | 75962 | 1GHz~18GHz | Aug. 22, 2013 | Jul. 19, 2014 ~ Jul. 30, 2014 | Aug. 21, 2014 | Radiation (03CH07-HY |
| Preamplifier | COM-POWER | PA-103A | 161241 | 10 MHz ~ 1000MHz | Mar. 17, 2014 | Jul. 19, 2014 ~ Jul. 30, 2014 | Mar. 16, 2015 | Radiation (03CH07-HY |
| Preamplifier | Agilent | 8449B | 3008A02362 | 1 GHz~26.5 GHz | Nov. 29, 2013 | Jul. 19, 2014 ~ Jul. 30, 2014 | Nov. 28, 2014 | Radiation (03CH07-HY |
| Turn Table | ChainTek | ChainTek 3000 | N/A | 0 ~ 360 degree | N/A | Jul. 19, 2014 ~ Jul. 30, 2014 | N/A | Radiation (03CH07-HY |
| Antenna Mast | ChainTek | M-400-0 | 114/8000604/ . | N/A | N/A | Jul. 19, 2014 ~ Jul. 30, 2014 | N/A | Radiation (03CH07-HY |
| SHF-EHF Horn Antenna | SCHWARZBECK | BBHA 9170 | BBHA9170251 | 15GHz- 40GHz | Oct. 03, 2013 | Jul. 19, 2014 ~ Jul. 30, 2014 | Oct. 02, 2014 | Radiation (03CH07-HY |

# 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))** | **4.50** |