

FCC Test Report

FCC ID : 2ASKHAQG01
Equipment : Arrow-VI
Model No. : 4-6340-17
(Please refer to section 1.1.1 for more details)
Brand Name : PHILLIPS CONNECT TECHNOLOGIES
Applicant : PHILLIPS CONNECT TECHNOLOGIES LLC
Address : 12012 Burke Street, SANTA FE SPRINGS,
California, 90670-2676, United States
Standard : 47 CFR FCC Part 27
Received Date : Jan. 06, 2021
Tested Date : Jan. 08 ~ Jan. 18, 2021

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:



Along Chen / Assistant Manager

Approved by:



Gary Chang / Manager



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LTE BAND 12

APPENDIX A TEST RESULTS FOR EFFECTIVE RADIATED POWER

APPENDIX B TEST RESULTS FOR E RADIATED EMISSIONS

APPENDIX C.1 TEST RESULTS FOR OUT OF BAND EMISSIONS

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LTE BAND 13

APPENDIX G TEST RESULTS FOR EFFECTIVE RADIATED POWER

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APPENDIX J TEST RESULTS FOR OCCUPIED AND 26 dB BANDWIDTH

APPENDIX K TEST RESULTS FOR PEAK TO AVERAGE POWER RATIO

APPENDIX L TEST RESULTS FOR FREQUENCY STABILITY

Release Record

| Report No. | Version | Description | Issued Date |
|---------------|---------|---------------|---------------|
| FG110604-1P27 | Rev. 01 | Initial issue | Feb. 03, 2021 |

Summary of Test Results

| FCC Rules | Test Items | Measured | Result |
|---|---|---|--------|
| 2.1046 27.50(b)(10) 27.50(c)(10) 27.50(d)(4) | Effective Radiated Power | Power[dBm]: LTE Band 12: 18.93 LTE Band 13: 18.11 | Pass |
| 2.1053 27.53(c) 27.53(g) 27.53(h) | Radiated Emissions | Meet the requirement of limit | Pass |
| 2.1053 / 27.53(f) | Radiated Spurious Emission in the 1559-1610MHz band | Meet the requirement of limit | Pass |
| 2.1051 27.53(c) 27.53(g) 27.53(h) | Conducted Emissions | Meet the requirement of limit | Pass |
| 2.1051 27.53(c) 27.53(g) 27.53(h) | Band Edge | Meet the requirement of limit | Pass |
| 2.1049 / 27.53(h) | Occupied Bandwidth | Meet the requirement of limit | Pass |
| 2.1055 / 27.54 | Frequency Stability | Meet the requirement of limit | Pass |
| 27.50(d)(5) | Peak to Average Ratio | Meet the requirement of limit | Pass |

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

1.1.1 Product Details

The following models are provided to this EUT.

| Brand Name | Model Name | Product Name | Description |
|---|------------|--------------|--------------------------|
| PHILLIPS CONNECT TECHNOLOGIES | 4-6340-17 | Arrow-VI | LTE Cellular GPS Tracker |
| | 4-6340-10 | | |
| | 4-6341-17 | | |
| | 4-6341-10 | | |
| † All models are electrically identical, different model names are for marking purpose. | | | |

1.1.2 Specification of the Equipment under Test (EUT)

| | |
|----------------------------|--|
| Operating Frequency | LTE Band 12 Channel Bandwidth: 1.4MHz: 699.7 MHz ~ 715.3 MHz Channel Bandwidth: 3MHz: 700.5 MHz ~ 714.5 MHz Channel Bandwidth: 5MHz: 701.5 MHz ~ 713.5 MHz Channel Bandwidth: 10MHz: 704 MHz ~ 711 MHz LTE Band 13 Channel Bandwidth: 5MHz: 779.5 ~ 784.5 MHz Channel Bandwidth: 10MHz: 782 MHz |
| Modulation | QPSK, 16QAM |
| UE Category | M1 |
| Release Version | 13 |

1.1.3 Antenna Details

| Ant. No. | Type | Connector | Gain (dBi) | Remark |
|----------|----------|-----------|------------|-------------|
| 1 | Monopole | No | 0.3 | LTE Band 12 |
| | | | -0.6 | LTE Band 13 |

1.1.4 Power Supply Type of Equipment under Test (EUT)

| | | | |
|-----------------------------|---|---|---|
| Supply Voltage | 12Vdc from battery | | |
| Operational Voltage | <input checked="" type="checkbox"/> Vnom (12 V) | <input checked="" type="checkbox"/> Vmax (14 V) | <input checked="" type="checkbox"/> Vmin (10 V) |
| Operational Climatic | <input checked="" type="checkbox"/> Tnom (20°C) | <input checked="" type="checkbox"/> Tmax (60°C) | <input checked="" type="checkbox"/> Tmin (0°C) |

1.1.5 Accessories

N/A

1.1.6 Maximum ERP and Emission Designator

LTE Band 12

| Channel Bandwidth | Modulation | Maximum ERP (W) | Emission Designator |
|-------------------|------------|-----------------|---------------------|
| 1.4 MHz | QPSK | 0.073 | 1M08G7D |
| 1.4 MHz | 16QAM | 0.057 | 1M08W7D |
| 3 MHz | QPSK | 0.076 | 1M08G7D |
| 3 MHz | 16QAM | 0.059 | 1M08W7D |
| 5 MHz | QPSK | 0.078 | 1M09G7D |
| 5 MHz | 16QAM | 0.078 | 1M09W7D |
| 10 MHz | QPSK | 0.078 | 1M09G7D |
| 10 MHz | 16QAM | 0.077 | 1M10W7D |

LTE Band 13

| Channel Bandwidth | Modulation | Maximum ERP (W) | Emission Designator |
|-------------------|------------|-----------------|---------------------|
| 5 MHz | QPSK | 0.065 | 1M09G7D |
| 5 MHz | 16QAM | 0.065 | 1M09W7D |
| 10 MHz | QPSK | 0.060 | 1M09G7D |
| 10 MHz | 16QAM | 0.058 | 1M09W7D |

1.1.7 Operating Channel List

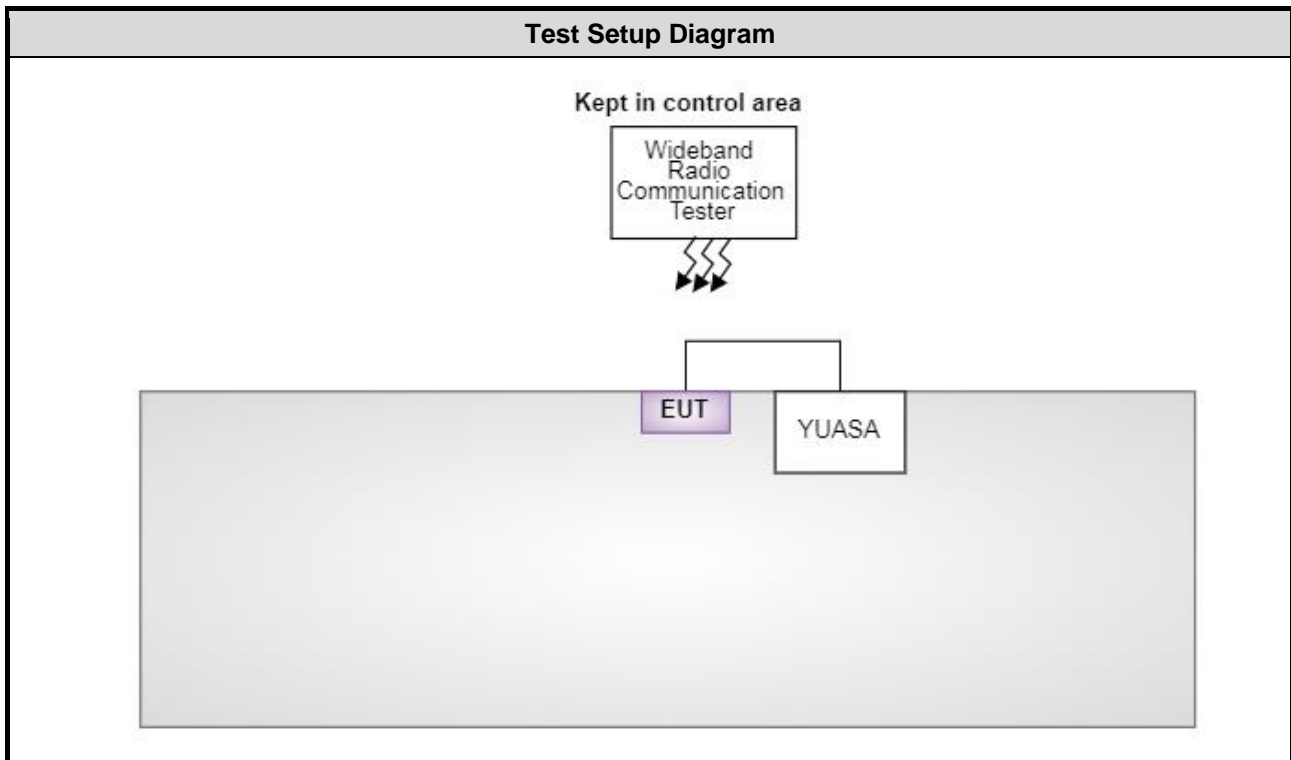
| LTE Band 12 | | |
|-------------------------|---------|-----------------|
| Channel Bandwidth (MHz) | Channel | Frequency (MHz) |
| 1.4 | 23017 | 699.7 |
| 1.4 | 23095 | 707.5 |
| 1.4 | 23173 | 715.3 |
| 3 | 23025 | 700.5 |
| 3 | 23095 | 707.5 |
| 3 | 23165 | 714.5 |
| 5 | 23035 | 701.5 |
| 5 | 23095 | 707.5 |
| 5 | 23155 | 713.5 |
| 10 | 23060 | 704.0 |
| 10 | 23095 | 707.5 |
| 10 | 23130 | 711.0 |

| LTE Band 13 | | |
|-------------------------|---------|-----------------|
| Channel Bandwidth (MHz) | Channel | Frequency (MHz) |
| 5 | 23205 | 779.5 |
| 5 | 23230 | 782.0 |
| 5 | 23255 | 784.5 |
| 10 | 23230 | 782.0 |

1.2 Local Support Equipment List

| Support Equipment List | | | | | |
|------------------------|------------|-------|--------------|--------|---------|
| No. | Equipment | Brand | Model | FCC ID | Remarks |
| 1 | DC Battery | YUASA | 38B19R(S)-MF | --- | --- |

1.3 Test Setup Chart



1.4 The Equipment List

| Test Item | Radiated Emission | | | | |
|-------------------------------------|----------------------------|------------------------|------------------|------------------|-------------------|
| Test Site | 966 chamber1 / (03CH01-WS) | | | | |
| Tested Date | Jan. 09 ~ Jan. 12, 2021 | | | | |
| Instrument | Brand | Model No. | Serial No. | Calibration Date | Calibration Until |
| Wideband Radio Communication Tester | R&S | CMW500 | 106070 | Feb. 06, 2020 | Feb. 05, 2021 |
| Spectrum Analyzer | R&S | FSV40 | 101498 | Dec. 04, 2020 | Dec. 03, 2021 |
| Receiver | R&S | ESR3 | 101657 | Feb. 14, 2020 | Feb. 13, 2021 |
| Bilog Antenna | SCHWARZBECK | VULB9168 | VULB9168-522 | Jul. 10, 2020 | Jul. 09, 2021 |
| Horn Antenna 1G-18G | SCHWARZBECK | BBHA 9120 D | BBHA 9120 D 1096 | Dec. 11, 2020 | Dec. 10, 2021 |
| Horn Antenna 18G-40G | SCHWARZBECK | BBHA 9170 | BBHA 9170517 | Nov. 06, 2020 | Nov. 05, 2021 |
| Loop Antenna | R&S | HFH2-Z2 | 100330 | Nov. 17, 2020 | Nov. 16, 2021 |
| Loop Antenna Cable | KOAX KABEL | 101354-BW | 101354-BW | Oct. 06, 2020 | Oct. 05, 2021 |
| Preamplifier | EMC | EMC02325 | 980225 | Jul. 03, 2020 | Jul. 02, 2021 |
| Preamplifier | Agilent | 83017A | MY39501308 | Sep. 26, 2020 | Sep. 25, 2021 |
| Preamplifier | EMC | EMC184045B | 980192 | Jul. 21, 2020 | Jul. 20, 2021 |
| RF Cable | EMC | EMCCFD400-SM-SM-8000 | 181106 | Oct. 06, 2020 | Oct. 05, 2021 |
| RF Cable | HUBER+SUHNER | SUCOFLEX104 | MY16019/4 | Oct. 06, 2020 | Oct. 05, 2021 |
| RF Cable | HUBER+SUHNER | SUCOFLEX104 | MY16014/4 | Oct. 06, 2020 | Oct. 05, 2021 |
| LF cable 1M | EMC | EMCCFD400-NM-N M-1000 | 160502 | Oct. 06, 2020 | Oct. 05, 2021 |
| LF cable 3M | Woken | CFD400NL-LW | CFD400NL-001 | Oct. 06, 2020 | Oct. 05, 2021 |
| LF cable 11M | EMC | EMCCFD400-NW-N W-11000 | 200801 | Oct. 06, 2020 | Oct. 05, 2021 |
| Measurement Software | AUDIX | e3 | 6.120210g | NA | NA |

Note: Calibration Interval of instruments listed above is one year.

| | | | | | |
|---|-------------------------|------------------|-------------------|-------------------------|--------------------------|
| Test Item | RF Conducted | | | | |
| Test Site | (TH01-WS) | | | | |
| Tested Date | Jan. 08 ~ Jan. 18, 2021 | | | | |
| Instrument | Brand | Model No. | Serial No. | Calibration Date | Calibration Until |
| Spectrum Analyzer | R&S | FSV40 | 101063 | Apr. 30, 2020 | Apr. 29, 2021 |
| TEMP&HUMIDITY CHAMBER | GIANT FORCE | GCT-225-40-SP-SD | MAF1212-002 | May 06, 2020 | May 05, 2021 |
| Power Meter | Anritsu | ML2495A | 1241002 | Nov. 04, 2020 | Nov. 03, 2021 |
| Power Sensor | Anritsu | MA2411B | 1207366 | Nov. 04, 2020 | Nov. 03, 2021 |
| Radio Communication Analyzer | Anritsu | MT8820C | 6201240341 | May 06, 2020 | May 05, 2021 |
| DC POWER SOURCE | GW INSTRON | GPC-6030D | GES855395 | Nov. 09, 2020 | Nov. 08, 2021 |
| Measurement Software | Sporton | Sporton_1 | 1.3.30 | NA | NA |
| Note: Calibration Interval of instruments listed above is one year. | | | | | |

1.5 Test Standards

47 CFR FCC Part 27

ANSI C63.26-2015

1.6 Reference Guidance

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

FCC KDB 971168 D02 Misc Rev Approv License Devices v02r01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

| Measurement Uncertainty | |
|--------------------------|---------------------|
| Parameters | Uncertainty |
| Bandwidth | ±34.130 Hz |
| Conducted power | ±0.808 dB |
| Frequency error | ±1×10 ⁻⁹ |
| Conducted emission | ±2.715 dB |
| Radiated emission ≤ 1GHz | ±3.41 dB |
| Radiated emission > 1GHz | ±4.59 dB |
| Temperature | ±0.4 °C |

2 Test Configuration

2.1 Testing Condition and Location Information

| Test Item | Test Site | Ambient Condition | Tested By |
|--------------------|-----------|-------------------|-----------------------|
| Radiated Emissions | 03CH01-WS | 20-22°C / 68-69% | Brad Wu Akun Chung |
| RF Conducted | TH01-WS | 22-24°C / 61-66% | Aska Huang |

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 Testing Facility

| | |
|----------------------|--|
| Test Laboratory | International Certification Corp. |
| Test Site | 03CH01-WS, TH01-WS |
| Address of Test Site | No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 333, Taiwan, R.O.C. |

2.3 The Worst Test Modes and Channel Details

| LTE Band 12 | | | |
|---|-------------------------------------|--|--|
| Test item | Channel Bandwidths | Modulation | Test channel |
| E.R.P Conducted Emissions Occupied Bandwidth Peak to Average Ratio | 1.4 MHz 3 MHz 5 MHz 10 MHz | QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM | 23017 / 23095 / 23173 23025 / 23095 / 23165 23035 / 23095 / 23155 23060 / 23095 / 23130 |
| Radiated Emission ≤ 1GHz | 1.4 MHz 3 MHz 5 MHz 10 MHz | QPSK QPSK QPSK QPSK | 23095 23095 23095 23095 |
| Radiated Emission > 1GHz | 1.4 MHz 3 MHz 5 MHz 10 MHz | QPSK QPSK QPSK QPSK | 23017 / 23095 / 23173 23025 / 23095 / 23165 23035 / 23095 / 23155 23060 / 23095 / 23130 |
| Band Edge | 1.4 MHz 3 MHz 5 MHz 10 MHz | QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM QPSK / 16QAM | 23017 / 23173 23025 / 23165 23035 / 23155 23060 / 23130 |
| Frequency Stability | 1.4 MHz 3 MHz 5 MHz 10 MHz | QPSK QPSK QPSK QPSK | 23017 / 23173 23025 / 23165 23035 / 23155 23060 / 23130 |

Note: The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Y-plane** results were found as the worst case and were shown in this report.

| LTE Band 13 | | | |
|---|-------------------|------------------------------|--------------------------------|
| Test item | Channel Bandwidth | Modulation | Test channel |
| E.R.P Conducted Emissions Occupied Bandwidth Peak to Average Ratio | 5 MHz 10 MHz | QPSK / 16QAM QPSK / 16QAM | 23205 / 23230 / 23255 23230 |
| Radiated Emission ≤ 1GHz | 5 MHz 10 MHz | QPSK QPSK | 23230 23230 |
| Radiated Emission > 1GHz | 5 MHz 10 MHz | QPSK QPSK | 23205 / 23230 / 23255 23230 |
| Band Edge | 5 MHz 10 MHz | QPSK / 16QAM QPSK / 16QAM | 23205 / 23255 23230 |
| Frequency Stability | 5 MHz 10 MHz | QPSK QPSK | 23205 / 23255 23230 |

Note: The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Y-plane** results were found as the worst case and were shown in this report.

3 Test Results

3.1 Effective Radiated Power

3.1.1 Limit of Effective Radiated Power

Portable stations (hand-held devices) are limited to 3 watts ERP.

3.1.2 Test Procedures

For E.R.P measurement

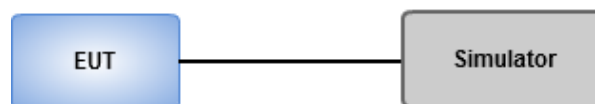
ERP can be calculated by below formula from KDB 412172 D01.

1. $EIRP = P_T + G_T - L_C$
 P_T = transmitter output power, in dBm.
 G_T = gain of the transmitting antenna, in dBi (EIRP).
 L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.
2. $ERP = EIRP - 2.15 \text{ dB}$.

For Conducted power measurement

1. The EUT links up with simulator and is set to maximum output power level at low / middle / high channel.
2. Measure the output power of low / middle / high channel of the EUT

3.1.3 Test Setup



3.1.4 Test Result of Effective Radiated Power and Conducted Power (dBm)

Refer to Appendix A, G.

3.2 Radiated Emissions

3.2.1 Limit of Radiated Emissions

LTE Band 12/13

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB equal to -13dBm.

LTE Band 13

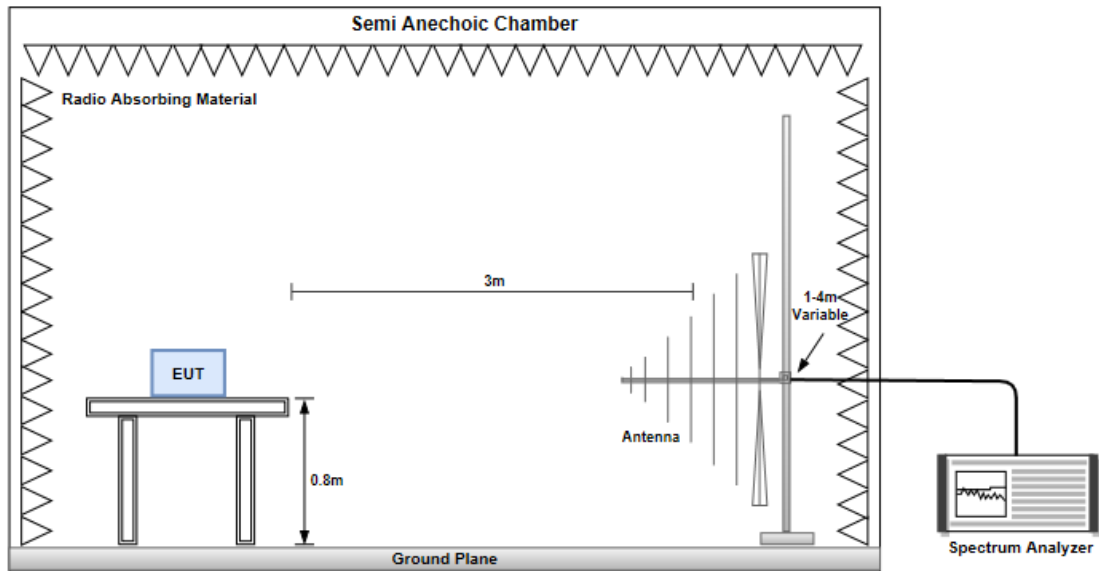
For operations in the 775-788 MHz emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

3.2.2 Test Procedures

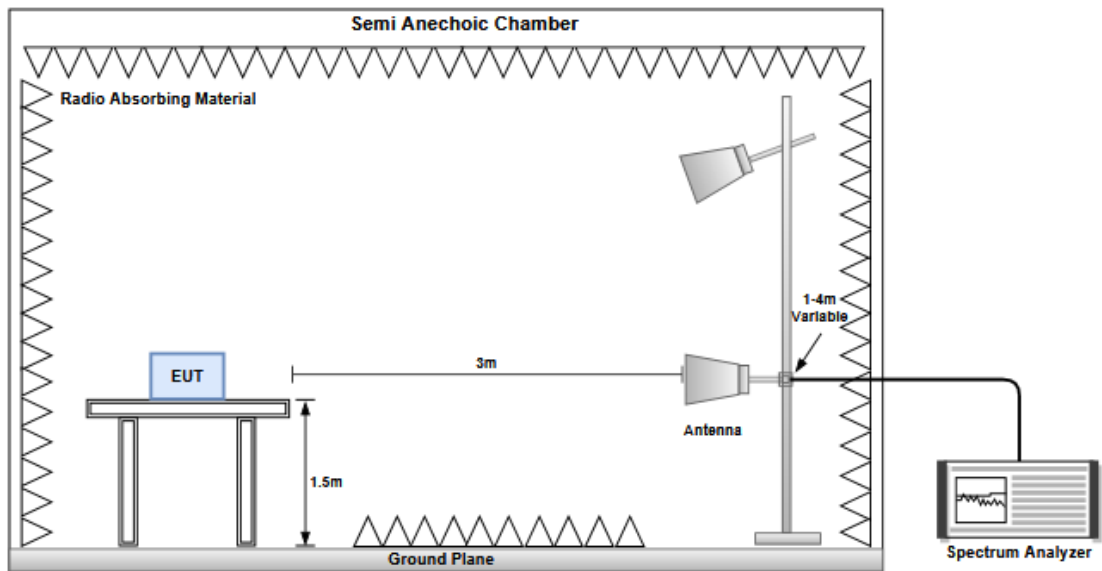
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m.
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.
4. After finding the max radiated emission, substitution method will be used for getting effective radiated power. EUT will be removed and substitution antenna will be placed at same position. Signal generator will output CW signal to substitution antenna through a RF cable. Rotate turntable and move antenna to find maximum radiated emission. Adjust output power of signal generator to let the maximum radiated emission is same as step 3. Record the output power level.
5. E.I.R.P = output power of step 4 + gain of substitution antenna – cable loss of RF cable. ERP can be calculated by below formula:
$$E.R.P = E.I.R.P - 2.15dB.$$

3.2.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



3.2.4 Test Result of Radiated Emissions below 1GHz

Refer to Appendix B, H.

3.3 Out of Band Emissions & Band Edge

3.3.1 Limit of Out of Band Emissions & Band Edge

LTE Band 12 / 13

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB equal to -13dBm.

LTE Band 13

On all frequencies between 763 ~ 775 MHz and 793 ~ 805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.

3.3.2 Test Procedures

Out of band emission

1. Lowest, middle and highest operating channels are tested for this item.
2. Scan frequency range is from 30 MHz ~ 10 GHz.
3. Set RBW = 100 kHz, VBW = 300kHz, detector = RMS, sweep time = auto.
4. Record the max trace value and capture the test plot of each sub frequency band.

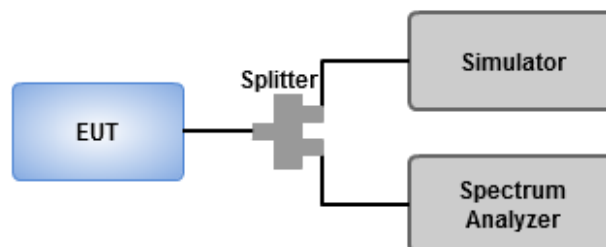
Band edge

1. Lowest and highest operating channels are tested for this item.
2. Set RBW = 1% of EBW, VBW = 3 x RBW, detector = RMS, sweep time = auto.
3. Record the max trace value and capture the test plot of each sub frequency band.

763 ~ 775 MHz / 793 ~ 805 MHz

1. Lowest, middle and highest operating channels are tested for this item.
2. Scan frequency range is from 763 MHz ~ 806 MHz.
3. Set RBW = 10 kHz, VBW = 30 kHz, detector = rms, sweep time = auto.

3.3.3 Test Setup



3.3.4 Test Result of Out of Band Emissions & Band Edge

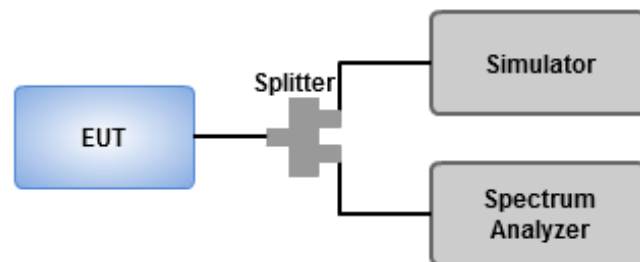
Refer to Appendix C.1, C.2, I3, I4.

3.4 Occupied Bandwidth and 26dB Bandwidth

3.4.1 Test Procedures

1. Set resolution bandwidth (RBW) = 1% ~ 5 % of OBW, Video bandwidth = 3 x RBW
2. Detector = Peak, Trace mode = max hold.
3. Sweep = auto couple, Allow the trace to stabilize.
4. Using occupied bandwidth measurement function of spectrum analyzer to measure occupied bandwidth
5. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 26dB relative to the maximum level measured in the fundamental emission.

3.4.2 Test Setup



3.4.3 Test Result of Occupied and 26 dB Bandwidth

Refer to Appendix D, J.

3.5 Peak to Average Power Ratio

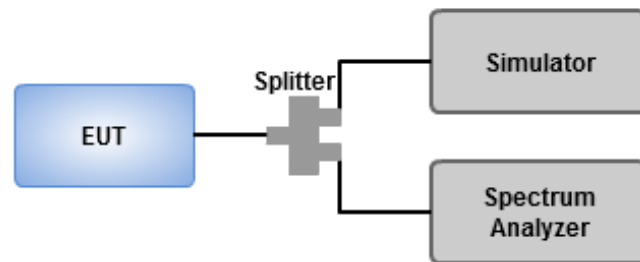
3.5.1 Limit of Peak to Average Power Ratio

The Peak-to-average power ratio of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. Set resolution/measurement bandwidth \geq signal's occupied bandwidth.
2. Set the number of counts to a value that stabilizes the measured CCDF curve.
3. Set the measurement interval to 1 ms.
4. Record the maximum PAPR level associated with a probability of 0.1%.

3.5.3 Test Setup



3.5.4 Test Result of Peak to Average Power Ratio

Refer to Appendix E, K.

3.6 Frequency Stability

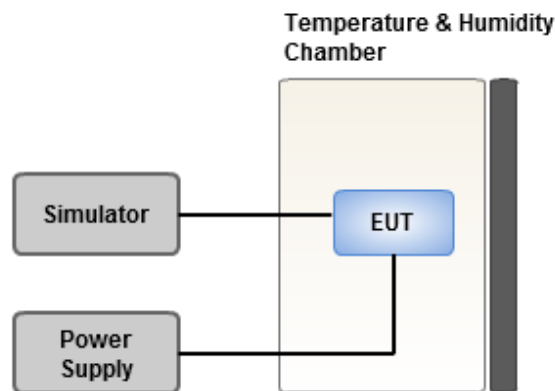
3.6.1 Limit of Frequency Stability

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation

3.6.2 Test Procedures

1. EUT was placed at temperature chamber and connected to an external power supply.
2. Temperature and voltage condition shall be tested to confirm frequency stability.
3. The test shall be performed under normal and extreme condition for temperature and voltage.
4. Link up EUT and simulator. Confirm frequency drift value of simulator and record it.

3.6.3 Test Setup



3.6.4 Test Result of Frequency Stability

Refer to Appendix F, L.

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No. 30-2, Ding Fwu Tsuen, Lin
Kou District, New Taipei City,
Taiwan, R.O.C.

Kwei Shan

Tel: 886-3-271-8666

No. 3-1, Lane 6, Wen San 3rd St.,
Kwei Shan District, Tao Yuan City
333, Taiwan, R.O.C.

Kwei Shan Site II

Tel: 886-3-271-8640

No. 14-1, Lane 19, Wen San 3rd
St., Kwei Shan District, Tao Yuan
City 333, Taiwan, R.O.C..

If you have any suggestion, please feel free to contact us as below information

Tel: 886-3-271-8666

Fax: 886-3-318-0155

Email: ICC_Service@icertifi.com.tw

==END==



Summary

| Mode | Power (dBm) | Power (W) | ERP (dBm) | ERP (W) |
|------------------------------|-------------|-----------|-----------|---------|
| Band 12 | - | - | - | - |
| LTE-M1_1.4MHz_Nss1,QPSK_1TX | 20.50 | 0.112 | 18.65 | 0.07328 |
| LTE-M1_1.4MHz_Nss1,16QAM_1TX | 19.39 | 0.087 | 17.54 | 0.05675 |
| LTE-M1_3MHz_Nss1,QPSK_1TX | 20.67 | 0.117 | 18.82 | 0.07621 |
| LTE-M1_3MHz_Nss1,16QAM_1TX | 19.53 | 0.090 | 17.68 | 0.05861 |
| LTE-M1_5MHz_Nss1,QPSK_1TX | 20.78 | 0.120 | 18.93 | 0.07816 |
| LTE-M1_5MHz_Nss1,16QAM_1TX | 20.76 | 0.119 | 18.91 | 0.07780 |
| LTE-M1_10MHz_Nss1,QPSK_1TX | 20.78 | 0.120 | 18.93 | 0.07816 |
| LTE-M1_10MHz_Nss1,16QAM_1TX | 20.73 | 0.118 | 18.88 | 0.07727 |



Result

| Mode | Result | DG (dBi) | EIRP (dBm) | ERP (dBm) | ERP (W) | ERP Lim. (W) | Power (dBm) | Power (W) | Power Lim. (W) | Port 1 (dBm) |
|--------------------------------|--------|-------------|---------------|--------------|------------|--------------------|----------------|--------------|----------------------|-----------------|
| Band 12_LTE-M1_1.4MHz_Nss1_1TX | - | - | - | - | - | - | - | - | - | - |
| 699.7MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | 0.30 | 20.76 | 18.61 | 0.07261 | 3 | 20.46 | 0.111 | Inf | 20.46 |
| 699.7MHz_QPSK_RB 1,#RB 5,NB 0 | Pass | 0.30 | 20.57 | 18.42 | 0.06950 | 3 | 20.27 | 0.106 | Inf | 20.27 |
| 699.7MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 0.30 | 18.61 | 16.46 | 0.04426 | 3 | 18.31 | 0.068 | Inf | 18.31 |
| 707.5MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | 0.30 | 20.80 | 18.65 | 0.07328 | 3 | 20.50 | 0.112 | Inf | 20.5 |
| 707.5MHz_QPSK_RB 1,#RB 5,NB 0 | Pass | 0.30 | 20.59 | 18.44 | 0.06982 | 3 | 20.29 | 0.107 | Inf | 20.29 |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 0.30 | 18.66 | 16.51 | 0.04477 | 3 | 18.36 | 0.069 | Inf | 18.36 |
| 715.3MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | 0.30 | 20.31 | 18.16 | 0.06546 | 3 | 20.01 | 0.100 | Inf | 20.01 |
| 715.3MHz_QPSK_RB 1,#RB 5,NB 0 | Pass | 0.30 | 20.16 | 18.01 | 0.06324 | 3 | 19.86 | 0.097 | Inf | 19.86 |
| 715.3MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 0.30 | 18.41 | 16.26 | 0.04227 | 3 | 18.11 | 0.065 | Inf | 18.11 |
| 699.7MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | 0.30 | 19.39 | 17.24 | 0.05297 | 3 | 19.09 | 0.081 | Inf | 19.09 |
| 699.7MHz_16QAM_RB 1,#RB 5,NB 0 | Pass | 0.30 | 19.17 | 17.02 | 0.05035 | 3 | 18.87 | 0.077 | Inf | 18.87 |
| 699.7MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 0.30 | 18.42 | 16.27 | 0.04236 | 3 | 18.12 | 0.065 | Inf | 18.12 |
| 707.5MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | 0.30 | 19.69 | 17.54 | 0.05675 | 3 | 19.39 | 0.087 | Inf | 19.39 |
| 707.5MHz_16QAM_RB 1,#RB 5,NB 0 | Pass | 0.30 | 19.54 | 17.39 | 0.05483 | 3 | 19.24 | 0.084 | Inf | 19.24 |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 0.30 | 18.55 | 16.40 | 0.04365 | 3 | 18.25 | 0.067 | Inf | 18.25 |
| 715.3MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | 0.30 | 19.67 | 17.52 | 0.05649 | 3 | 19.37 | 0.086 | Inf | 19.37 |
| 715.3MHz_16QAM_RB 1,#RB 5,NB 0 | Pass | 0.30 | 19.60 | 17.45 | 0.05559 | 3 | 19.30 | 0.085 | Inf | 19.3 |
| 715.3MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 0.30 | 18.31 | 16.16 | 0.04130 | 3 | 18.01 | 0.063 | Inf | 18.01 |
| Band 12_LTE-M1_3MHz_Nss1_1TX | - | - | - | - | - | - | - | - | - | - |
| 700.5MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | 0.30 | 20.78 | 18.63 | 0.07295 | 3 | 20.48 | 0.112 | Inf | 20.48 |
| 700.5MHz_QPSK_RB 1,#RB 0,NB 1 | Pass | 0.30 | 20.74 | 18.59 | 0.07228 | 3 | 20.44 | 0.111 | Inf | 20.44 |
| 700.5MHz_QPSK_RB 1,#RB 5,NB 0 | Pass | 0.30 | 20.58 | 18.43 | 0.06966 | 3 | 20.28 | 0.107 | Inf | 20.28 |
| 700.5MHz_QPSK_RB 1,#RB 5,NB 1 | Pass | 0.30 | 20.70 | 18.55 | 0.07161 | 3 | 20.40 | 0.110 | Inf | 20.4 |
| 700.5MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | 0.30 | 19.50 | 17.35 | 0.05433 | 3 | 19.20 | 0.083 | Inf | 19.2 |
| 700.5MHz_QPSK_RB 3,#RB 3,NB 1 | Pass | 0.30 | 19.52 | 17.37 | 0.05458 | 3 | 19.22 | 0.084 | Inf | 19.22 |
| 700.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 0.30 | 18.52 | 16.37 | 0.04335 | 3 | 18.22 | 0.066 | Inf | 18.22 |
| 700.5MHz_QPSK_RB 6,#RB 0,NB 1 | Pass | 0.30 | 18.59 | 16.44 | 0.04406 | 3 | 18.29 | 0.067 | Inf | 18.29 |
| 707.5MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | 0.30 | 20.97 | 18.82 | 0.07621 | 3 | 20.67 | 0.117 | Inf | 20.67 |
| 707.5MHz_QPSK_RB 1,#RB 0,NB 1 | Pass | 0.30 | 20.81 | 18.66 | 0.07345 | 3 | 20.51 | 0.112 | Inf | 20.51 |
| 707.5MHz_QPSK_RB 1,#RB 5,NB 0 | Pass | 0.30 | 20.66 | 18.51 | 0.07096 | 3 | 20.36 | 0.109 | Inf | 20.36 |
| 707.5MHz_QPSK_RB 1,#RB 5,NB 1 | Pass | 0.30 | 20.61 | 18.46 | 0.07015 | 3 | 20.31 | 0.107 | Inf | 20.31 |
| 707.5MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | 0.30 | 19.62 | 17.47 | 0.05585 | 3 | 19.32 | 0.086 | Inf | 19.32 |
| 707.5MHz_QPSK_RB 3,#RB 3,NB 1 | Pass | 0.30 | 19.53 | 17.38 | 0.05470 | 3 | 19.23 | 0.084 | Inf | 19.23 |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 0.30 | 18.65 | 16.50 | 0.04467 | 3 | 18.35 | 0.068 | Inf | 18.35 |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 1 | Pass | 0.30 | 18.70 | 16.55 | 0.04519 | 3 | 18.40 | 0.069 | Inf | 18.4 |
| 714.5MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | 0.30 | 20.45 | 18.30 | 0.06761 | 3 | 20.15 | 0.104 | Inf | 20.15 |



Effective Radiated Power

Appendix A

| Mode | Result | DG (dBi) | EIRP (dBm) | ERP (dBm) | ERP (W) | ERP Lim. (W) | Power (dBm) | Power (W) | Power Lim. (W) | Port 1 (dBm) |
|--------------------------------|--------|-------------|---------------|--------------|------------|--------------------|----------------|--------------|----------------------|-----------------|
| 714.5MHz_QPSK_RB 1,#RB 0,NB 1 | Pass | 0.30 | 20.22 | 18.07 | 0.06412 | 3 | 19.92 | 0.098 | Inf | 19.92 |
| 714.5MHz_QPSK_RB 1,#RB 5,NB 0 | Pass | 0.30 | 20.32 | 18.17 | 0.06561 | 3 | 20.02 | 0.100 | Inf | 20.02 |
| 714.5MHz_QPSK_RB 1,#RB 5,NB 1 | Pass | 0.30 | 20.23 | 18.08 | 0.06427 | 3 | 19.93 | 0.098 | Inf | 19.93 |
| 714.5MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | 0.30 | 19.42 | 17.27 | 0.05333 | 3 | 19.12 | 0.082 | Inf | 19.12 |
| 714.5MHz_QPSK_RB 3,#RB 3,NB 1 | Pass | 0.30 | 19.19 | 17.04 | 0.05058 | 3 | 18.89 | 0.077 | Inf | 18.89 |
| 714.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 0.30 | 18.40 | 16.25 | 0.04217 | 3 | 18.10 | 0.065 | Inf | 18.1 |
| 714.5MHz_QPSK_RB 6,#RB 0,NB 1 | Pass | 0.30 | 18.33 | 16.18 | 0.04150 | 3 | 18.03 | 0.064 | Inf | 18.03 |
| 700.5MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | 0.30 | 19.46 | 17.31 | 0.05383 | 3 | 19.16 | 0.082 | Inf | 19.16 |
| 700.5MHz_16QAM_RB 1,#RB 0,NB 1 | Pass | 0.30 | 19.35 | 17.20 | 0.05248 | 3 | 19.05 | 0.080 | Inf | 19.05 |
| 700.5MHz_16QAM_RB 1,#RB 5,NB 0 | Pass | 0.30 | 19.25 | 17.10 | 0.05129 | 3 | 18.95 | 0.079 | Inf | 18.95 |
| 700.5MHz_16QAM_RB 1,#RB 5,NB 1 | Pass | 0.30 | 19.32 | 17.17 | 0.05212 | 3 | 19.02 | 0.080 | Inf | 19.02 |
| 700.5MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | 0.30 | 18.31 | 16.16 | 0.04130 | 3 | 18.01 | 0.063 | Inf | 18.01 |
| 700.5MHz_16QAM_RB 3,#RB 3,NB 1 | Pass | 0.30 | 18.35 | 16.20 | 0.04169 | 3 | 18.05 | 0.064 | Inf | 18.05 |
| 700.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 0.30 | 18.51 | 16.36 | 0.04325 | 3 | 18.21 | 0.066 | Inf | 18.21 |
| 700.5MHz_16QAM_RB 6,#RB 0,NB 1 | Pass | 0.30 | 18.48 | 16.33 | 0.04295 | 3 | 18.18 | 0.066 | Inf | 18.18 |
| 707.5MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | 0.30 | 19.57 | 17.42 | 0.05521 | 3 | 19.27 | 0.085 | Inf | 19.27 |
| 707.5MHz_16QAM_RB 1,#RB 0,NB 1 | Pass | 0.30 | 19.61 | 17.46 | 0.05572 | 3 | 19.31 | 0.085 | Inf | 19.31 |
| 707.5MHz_16QAM_RB 1,#RB 5,NB 0 | Pass | 0.30 | 19.34 | 17.19 | 0.05236 | 3 | 19.04 | 0.080 | Inf | 19.04 |
| 707.5MHz_16QAM_RB 1,#RB 5,NB 1 | Pass | 0.30 | 19.48 | 17.33 | 0.05408 | 3 | 19.18 | 0.083 | Inf | 19.18 |
| 707.5MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | 0.30 | 18.33 | 16.18 | 0.04150 | 3 | 18.03 | 0.064 | Inf | 18.03 |
| 707.5MHz_16QAM_RB 3,#RB 3,NB 1 | Pass | 0.30 | 18.32 | 16.17 | 0.04140 | 3 | 18.02 | 0.063 | Inf | 18.02 |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 0.30 | 18.62 | 16.47 | 0.04436 | 3 | 18.32 | 0.068 | Inf | 18.32 |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 1 | Pass | 0.30 | 18.47 | 16.32 | 0.04285 | 3 | 18.17 | 0.066 | Inf | 18.17 |
| 714.5MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | 0.30 | 19.83 | 17.68 | 0.05861 | 3 | 19.53 | 0.090 | Inf | 19.53 |
| 714.5MHz_16QAM_RB 1,#RB 0,NB 1 | Pass | 0.30 | 19.68 | 17.53 | 0.05662 | 3 | 19.38 | 0.087 | Inf | 19.38 |
| 714.5MHz_16QAM_RB 1,#RB 5,NB 0 | Pass | 0.30 | 19.58 | 17.43 | 0.05534 | 3 | 19.28 | 0.085 | Inf | 19.28 |
| 714.5MHz_16QAM_RB 1,#RB 5,NB 1 | Pass | 0.30 | 19.60 | 17.45 | 0.05559 | 3 | 19.30 | 0.085 | Inf | 19.3 |
| 714.5MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | 0.30 | 18.42 | 16.27 | 0.04236 | 3 | 18.12 | 0.065 | Inf | 18.12 |
| 714.5MHz_16QAM_RB 3,#RB 3,NB 1 | Pass | 0.30 | 18.37 | 16.22 | 0.04188 | 3 | 18.07 | 0.064 | Inf | 18.07 |
| 714.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 0.30 | 18.34 | 16.19 | 0.04159 | 3 | 18.04 | 0.064 | Inf | 18.04 |
| 714.5MHz_16QAM_RB 6,#RB 0,NB 1 | Pass | 0.30 | 18.32 | 16.17 | 0.04140 | 3 | 18.02 | 0.063 | Inf | 18.02 |
| Band 12_LTE-M1_5MHz_Nss1_1TX | - | - | - | - | - | - | - | - | - | - |
| 701.5MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | 0.30 | 20.80 | 18.65 | 0.07328 | 3 | 20.50 | 0.112 | Inf | 20.5 |
| 701.5MHz_QPSK_RB 1,#RB 0,NB 1 | Pass | 0.30 | 20.98 | 18.83 | 0.07638 | 3 | 20.68 | 0.117 | Inf | 20.68 |
| 701.5MHz_QPSK_RB 1,#RB 5,NB 1 | Pass | 0.30 | 20.65 | 18.50 | 0.07079 | 3 | 20.35 | 0.108 | Inf | 20.35 |
| 701.5MHz_QPSK_RB 1,#RB 5,NB 3 | Pass | 0.30 | 20.75 | 18.60 | 0.07244 | 3 | 20.45 | 0.111 | Inf | 20.45 |
| 701.5MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | 0.30 | 20.74 | 18.59 | 0.07228 | 3 | 20.44 | 0.111 | Inf | 20.44 |
| 701.5MHz_QPSK_RB 3,#RB 3,NB 3 | Pass | 0.30 | 20.77 | 18.62 | 0.07278 | 3 | 20.47 | 0.111 | Inf | 20.47 |



Effective Radiated Power

Appendix A

| Mode | Result | DG (dBi) | EIRP (dBm) | ERP (dBm) | ERP (W) | ERP Lim. (W) | Power (dBm) | Power (W) | Power Lim. (W) | Port 1 (dBm) |
|--------------------------------|--------|-------------|---------------|--------------|------------|--------------------|----------------|--------------|----------------------|-----------------|
| 701.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 0.30 | 19.50 | 17.35 | 0.05433 | 3 | 19.20 | 0.083 | Inf | 19.2 |
| 701.5MHz_QPSK_RB 6,#RB 0,NB 3 | Pass | 0.30 | 19.49 | 17.34 | 0.05420 | 3 | 19.19 | 0.083 | Inf | 19.19 |
| 707.5MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | 0.30 | 20.87 | 18.72 | 0.07447 | 3 | 20.57 | 0.114 | Inf | 20.57 |
| 707.5MHz_QPSK_RB 1,#RB 0,NB 1 | Pass | 0.30 | 21.08 | 18.93 | 0.07816 | 3 | 20.78 | 0.120 | Inf | 20.78 |
| 707.5MHz_QPSK_RB 1,#RB 5,NB 1 | Pass | 0.30 | 20.78 | 18.63 | 0.07295 | 3 | 20.48 | 0.112 | Inf | 20.48 |
| 707.5MHz_QPSK_RB 1,#RB 5,NB 3 | Pass | 0.30 | 20.75 | 18.60 | 0.07244 | 3 | 20.45 | 0.111 | Inf | 20.45 |
| 707.5MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | 0.30 | 20.78 | 18.63 | 0.07295 | 3 | 20.48 | 0.112 | Inf | 20.48 |
| 707.5MHz_QPSK_RB 3,#RB 3,NB 3 | Pass | 0.30 | 20.68 | 18.53 | 0.07129 | 3 | 20.38 | 0.109 | Inf | 20.38 |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 0.30 | 19.65 | 17.50 | 0.05623 | 3 | 19.35 | 0.086 | Inf | 19.35 |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 3 | Pass | 0.30 | 19.58 | 17.43 | 0.05534 | 3 | 19.28 | 0.085 | Inf | 19.28 |
| 713.5MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | 0.30 | 20.86 | 18.71 | 0.07430 | 3 | 20.56 | 0.114 | Inf | 20.56 |
| 713.5MHz_QPSK_RB 1,#RB 0,NB 1 | Pass | 0.30 | 21.02 | 18.87 | 0.07709 | 3 | 20.72 | 0.118 | Inf | 20.72 |
| 713.5MHz_QPSK_RB 1,#RB 5,NB 1 | Pass | 0.30 | 20.64 | 18.49 | 0.07063 | 3 | 20.34 | 0.108 | Inf | 20.34 |
| 713.5MHz_QPSK_RB 1,#RB 5,NB 3 | Pass | 0.30 | 20.50 | 18.35 | 0.06839 | 3 | 20.20 | 0.105 | Inf | 20.2 |
| 713.5MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | 0.30 | 20.67 | 18.52 | 0.07112 | 3 | 20.37 | 0.109 | Inf | 20.37 |
| 713.5MHz_QPSK_RB 3,#RB 3,NB 3 | Pass | 0.30 | 20.58 | 18.43 | 0.06966 | 3 | 20.28 | 0.107 | Inf | 20.28 |
| 713.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 0.30 | 19.50 | 17.35 | 0.05433 | 3 | 19.20 | 0.083 | Inf | 19.2 |
| 713.5MHz_QPSK_RB 6,#RB 0,NB 3 | Pass | 0.30 | 19.31 | 17.16 | 0.05200 | 3 | 19.01 | 0.080 | Inf | 19.01 |
| 701.5MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | 0.30 | 20.96 | 18.81 | 0.07603 | 3 | 20.66 | 0.116 | Inf | 20.66 |
| 701.5MHz_16QAM_RB 1,#RB 0,NB 1 | Pass | 0.30 | 20.93 | 18.78 | 0.07551 | 3 | 20.63 | 0.116 | Inf | 20.63 |
| 701.5MHz_16QAM_RB 1,#RB 5,NB 1 | Pass | 0.30 | 20.90 | 18.75 | 0.07499 | 3 | 20.60 | 0.115 | Inf | 20.6 |
| 701.5MHz_16QAM_RB 1,#RB 5,NB 3 | Pass | 0.30 | 20.92 | 18.77 | 0.07534 | 3 | 20.62 | 0.115 | Inf | 20.62 |
| 701.5MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | 0.30 | 20.65 | 18.50 | 0.07079 | 3 | 20.35 | 0.108 | Inf | 20.35 |
| 701.5MHz_16QAM_RB 3,#RB 3,NB 3 | Pass | 0.30 | 20.56 | 18.41 | 0.06934 | 3 | 20.26 | 0.106 | Inf | 20.26 |
| 701.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 0.30 | 19.50 | 17.35 | 0.05433 | 3 | 19.20 | 0.083 | Inf | 19.2 |
| 701.5MHz_16QAM_RB 6,#RB 0,NB 3 | Pass | 0.30 | 19.48 | 17.33 | 0.05408 | 3 | 19.18 | 0.083 | Inf | 19.18 |
| 707.5MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | 0.30 | 21.05 | 18.90 | 0.07762 | 3 | 20.75 | 0.119 | Inf | 20.75 |
| 707.5MHz_16QAM_RB 1,#RB 0,NB 1 | Pass | 0.30 | 21.06 | 18.91 | 0.07780 | 3 | 20.76 | 0.119 | Inf | 20.76 |
| 707.5MHz_16QAM_RB 1,#RB 5,NB 1 | Pass | 0.30 | 20.99 | 18.84 | 0.07656 | 3 | 20.69 | 0.117 | Inf | 20.69 |
| 707.5MHz_16QAM_RB 1,#RB 5,NB 3 | Pass | 0.30 | 20.93 | 18.78 | 0.07551 | 3 | 20.63 | 0.116 | Inf | 20.63 |
| 707.5MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | 0.30 | 20.69 | 18.54 | 0.07145 | 3 | 20.39 | 0.109 | Inf | 20.39 |
| 707.5MHz_16QAM_RB 3,#RB 3,NB 3 | Pass | 0.30 | 20.73 | 18.58 | 0.07211 | 3 | 20.43 | 0.110 | Inf | 20.43 |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 0.30 | 19.63 | 17.48 | 0.05598 | 3 | 19.33 | 0.086 | Inf | 19.33 |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 3 | Pass | 0.30 | 19.65 | 17.50 | 0.05623 | 3 | 19.35 | 0.086 | Inf | 19.35 |
| 713.5MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | 0.30 | 20.99 | 18.84 | 0.07656 | 3 | 20.69 | 0.117 | Inf | 20.69 |
| 713.5MHz_16QAM_RB 1,#RB 0,NB 1 | Pass | 0.30 | 20.92 | 18.77 | 0.07534 | 3 | 20.62 | 0.115 | Inf | 20.62 |
| 713.5MHz_16QAM_RB 1,#RB 5,NB 1 | Pass | 0.30 | 20.71 | 18.56 | 0.07178 | 3 | 20.41 | 0.110 | Inf | 20.41 |
| 713.5MHz_16QAM_RB 1,#RB 5,NB 3 | Pass | 0.30 | 20.65 | 18.50 | 0.07079 | 3 | 20.35 | 0.108 | Inf | 20.35 |



Effective Radiated Power

Appendix A

| Mode | Result | DG (dBi) | EIRP (dBm) | ERP (dBm) | ERP (W) | ERP Lim. (W) | Power (dBm) | Power (W) | Power Lim. (W) | Port 1 (dBm) |
|--------------------------------|--------|-------------|---------------|--------------|------------|--------------------|----------------|--------------|----------------------|-----------------|
| 713.5MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | 0.30 | 20.67 | 18.52 | 0.07112 | 3 | 20.37 | 0.109 | Inf | 20.37 |
| 713.5MHz_16QAM_RB 3,#RB 3,NB 3 | Pass | 0.30 | 20.39 | 18.24 | 0.06668 | 3 | 20.09 | 0.102 | Inf | 20.09 |
| 713.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 0.30 | 19.60 | 17.45 | 0.05559 | 3 | 19.30 | 0.085 | Inf | 19.3 |
| 713.5MHz_16QAM_RB 6,#RB 0,NB 3 | Pass | 0.30 | 19.46 | 17.31 | 0.05383 | 3 | 19.16 | 0.082 | Inf | 19.16 |
| Band 12_LTE-M1_10MHz_Nss1_1TX | - | - | - | - | - | - | - | - | - | - |
| 704MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | 0.30 | 21.03 | 18.88 | 0.07727 | 3 | 20.73 | 0.118 | Inf | 20.73 |
| 704MHz_QPSK_RB 1,#RB 0,NB 3 | Pass | 0.30 | 20.89 | 18.74 | 0.07482 | 3 | 20.59 | 0.115 | Inf | 20.59 |
| 704MHz_QPSK_RB 1,#RB 5,NB 3 | Pass | 0.30 | 20.75 | 18.60 | 0.07244 | 3 | 20.45 | 0.111 | Inf | 20.45 |
| 704MHz_QPSK_RB 1,#RB 5,NB 7 | Pass | 0.30 | 20.73 | 18.58 | 0.07211 | 3 | 20.43 | 0.110 | Inf | 20.43 |
| 704MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | 0.30 | 20.75 | 18.60 | 0.07244 | 3 | 20.45 | 0.111 | Inf | 20.45 |
| 704MHz_QPSK_RB 3,#RB 3,NB 7 | Pass | 0.30 | 20.63 | 18.48 | 0.07047 | 3 | 20.33 | 0.108 | Inf | 20.33 |
| 704MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 0.30 | 19.43 | 17.28 | 0.05346 | 3 | 19.13 | 0.082 | Inf | 19.13 |
| 704MHz_QPSK_RB 6,#RB 0,NB 7 | Pass | 0.30 | 19.64 | 17.49 | 0.05610 | 3 | 19.34 | 0.086 | Inf | 19.34 |
| 707.5MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | 0.30 | 21.08 | 18.93 | 0.07816 | 3 | 20.78 | 0.120 | Inf | 20.78 |
| 707.5MHz_QPSK_RB 1,#RB 0,NB 3 | Pass | 0.30 | 20.88 | 18.73 | 0.07464 | 3 | 20.58 | 0.114 | Inf | 20.58 |
| 707.5MHz_QPSK_RB 1,#RB 5,NB 3 | Pass | 0.30 | 20.75 | 18.60 | 0.07244 | 3 | 20.45 | 0.111 | Inf | 20.45 |
| 707.5MHz_QPSK_RB 1,#RB 5,NB 7 | Pass | 0.30 | 20.60 | 18.45 | 0.06998 | 3 | 20.30 | 0.107 | Inf | 20.3 |
| 707.5MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | 0.30 | 20.67 | 18.52 | 0.07112 | 3 | 20.37 | 0.109 | Inf | 20.37 |
| 707.5MHz_QPSK_RB 3,#RB 3,NB 7 | Pass | 0.30 | 20.68 | 18.53 | 0.07129 | 3 | 20.38 | 0.109 | Inf | 20.38 |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 0.30 | 19.54 | 17.39 | 0.05483 | 3 | 19.24 | 0.084 | Inf | 19.24 |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 7 | Pass | 0.30 | 19.39 | 17.24 | 0.05297 | 3 | 19.09 | 0.081 | Inf | 19.09 |
| 711MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | 0.30 | 21.06 | 18.91 | 0.07780 | 3 | 20.76 | 0.119 | Inf | 20.76 |
| 711MHz_QPSK_RB 1,#RB 0,NB 3 | Pass | 0.30 | 20.87 | 18.72 | 0.07447 | 3 | 20.57 | 0.114 | Inf | 20.57 |
| 711MHz_QPSK_RB 1,#RB 5,NB 3 | Pass | 0.30 | 20.63 | 18.48 | 0.07047 | 3 | 20.33 | 0.108 | Inf | 20.33 |
| 711MHz_QPSK_RB 1,#RB 5,NB 7 | Pass | 0.30 | 20.62 | 18.47 | 0.07031 | 3 | 20.32 | 0.108 | Inf | 20.32 |
| 711MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | 0.30 | 20.84 | 18.69 | 0.07396 | 3 | 20.54 | 0.113 | Inf | 20.54 |
| 711MHz_QPSK_RB 3,#RB 3,NB 7 | Pass | 0.30 | 20.53 | 18.38 | 0.06887 | 3 | 20.23 | 0.105 | Inf | 20.23 |
| 711MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 0.30 | 19.55 | 17.40 | 0.05495 | 3 | 19.25 | 0.084 | Inf | 19.25 |
| 711MHz_QPSK_RB 6,#RB 0,NB 7 | Pass | 0.30 | 19.31 | 17.16 | 0.05200 | 3 | 19.01 | 0.080 | Inf | 19.01 |
| 704MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | 0.30 | 21.01 | 18.86 | 0.07691 | 3 | 20.71 | 0.118 | Inf | 20.71 |
| 704MHz_16QAM_RB 1,#RB 0,NB 3 | Pass | 0.30 | 21.00 | 18.85 | 0.07674 | 3 | 20.70 | 0.117 | Inf | 20.7 |
| 704MHz_16QAM_RB 1,#RB 5,NB 3 | Pass | 0.30 | 20.94 | 18.79 | 0.07568 | 3 | 20.64 | 0.116 | Inf | 20.64 |
| 704MHz_16QAM_RB 1,#RB 5,NB 7 | Pass | 0.30 | 20.89 | 18.74 | 0.07482 | 3 | 20.59 | 0.115 | Inf | 20.59 |
| 704MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | 0.30 | 20.67 | 18.52 | 0.07112 | 3 | 20.37 | 0.109 | Inf | 20.37 |
| 704MHz_16QAM_RB 3,#RB 3,NB 7 | Pass | 0.30 | 20.73 | 18.58 | 0.07211 | 3 | 20.43 | 0.110 | Inf | 20.43 |
| 704MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 0.30 | 20.65 | 18.50 | 0.07079 | 3 | 20.35 | 0.108 | Inf | 20.35 |
| 704MHz_16QAM_RB 6,#RB 0,NB 7 | Pass | 0.30 | 20.77 | 18.62 | 0.07278 | 3 | 20.47 | 0.111 | Inf | 20.47 |
| 707.5MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | 0.30 | 21.02 | 18.87 | 0.07709 | 3 | 20.72 | 0.118 | Inf | 20.72 |



| Mode | Result | DG (dBi) | EIRP (dBm) | ERP (dBm) | ERP (W) | ERP Lim. (W) | Power (dBm) | Power (W) | Power Lim. (W) | Port 1 (dBm) |
|--------------------------------|--------|-------------|---------------|--------------|------------|--------------------|----------------|--------------|----------------------|-----------------|
| 707.5MHz_16QAM_RB 1,#RB 0,NB 3 | Pass | 0.30 | 21.03 | 18.88 | 0.07727 | 3 | 20.73 | 0.118 | Inf | 20.73 |
| 707.5MHz_16QAM_RB 1,#RB 5,NB 3 | Pass | 0.30 | 20.80 | 18.65 | 0.07328 | 3 | 20.50 | 0.112 | Inf | 20.5 |
| 707.5MHz_16QAM_RB 1,#RB 5,NB 7 | Pass | 0.30 | 20.99 | 18.84 | 0.07656 | 3 | 20.69 | 0.117 | Inf | 20.69 |
| 707.5MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | 0.30 | 20.65 | 18.50 | 0.07079 | 3 | 20.35 | 0.108 | Inf | 20.35 |
| 707.5MHz_16QAM_RB 3,#RB 3,NB 7 | Pass | 0.30 | 20.64 | 18.49 | 0.07063 | 3 | 20.34 | 0.108 | Inf | 20.34 |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 0.30 | 20.62 | 18.47 | 0.07031 | 3 | 20.32 | 0.108 | Inf | 20.32 |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 7 | Pass | 0.30 | 20.59 | 18.44 | 0.06982 | 3 | 20.29 | 0.107 | Inf | 20.29 |
| 711MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | 0.30 | 21.03 | 18.88 | 0.07727 | 3 | 20.73 | 0.118 | Inf | 20.73 |
| 711MHz_16QAM_RB 1,#RB 0,NB 3 | Pass | 0.30 | 20.95 | 18.80 | 0.07586 | 3 | 20.65 | 0.116 | Inf | 20.65 |
| 711MHz_16QAM_RB 1,#RB 5,NB 3 | Pass | 0.30 | 20.79 | 18.64 | 0.07311 | 3 | 20.49 | 0.112 | Inf | 20.49 |
| 711MHz_16QAM_RB 1,#RB 5,NB 7 | Pass | 0.30 | 20.75 | 18.60 | 0.07244 | 3 | 20.45 | 0.111 | Inf | 20.45 |
| 711MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | 0.30 | 20.66 | 18.51 | 0.07096 | 3 | 20.36 | 0.109 | Inf | 20.36 |
| 711MHz_16QAM_RB 3,#RB 3,NB 7 | Pass | 0.30 | 20.51 | 18.36 | 0.06855 | 3 | 20.21 | 0.105 | Inf | 20.21 |
| 711MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 0.30 | 20.92 | 18.77 | 0.07534 | 3 | 20.62 | 0.115 | Inf | 20.62 |
| 711MHz_16QAM_RB 6,#RB 0,NB 7 | Pass | 0.30 | 20.73 | 18.58 | 0.07211 | 3 | 20.43 | 0.110 | Inf | 20.43 |

DG = Directional Gain; Port n = Port n output power

Test Result of Radiated Emissions below 1GHz

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 12, QPSK, CB:1.4 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23095 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 30 | H | -64.94 | -13 | -51.94 | -71.02 | -43.34 | -19.45 |
| 46.49 | H | -67.67 | -13 | -54.67 | -71.38 | -48.85 | -16.67 |
| 115.36 | H | -74.4 | -13 | -61.4 | -69.59 | -66.43 | -5.82 |
| 689.6 | H | -55.72 | -13 | -42.72 | -60.17 | -51.88 | -1.69 |
| 725.49 | H | -46.8 | -13 | -33.8 | -52.44 | -42.75 | -1.9 |
| 745.86 | H | -49.19 | -13 | -36.19 | -55.59 | -44.96 | -2.08 |
| 32.91 | V | -65.14 | -13 | -52.14 | -58.27 | -44.25 | -18.74 |
| 41.64 | V | -68.97 | -13 | -55.97 | -63.36 | -49.45 | -17.37 |
| 73.65 | V | -69.53 | -13 | -56.53 | -65.55 | -58.04 | -9.34 |
| 687.66 | V | -57.4 | -13 | -44.4 | -63.89 | -53.56 | -1.69 |
| 724.52 | V | -47.87 | -13 | -34.87 | -55.06 | -43.82 | -1.9 |
| 758.47 | V | -55.69 | -13 | -42.69 | -63.41 | -51.47 | -2.07 |

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 12, QPSK, CB:3 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23095 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 30.97 | H | -64.59 | -13 | -51.59 | -70.48 | -43.23 | -19.21 |
| 46.49 | H | -70.21 | -13 | -57.21 | -73.92 | -51.39 | -16.67 |
| 73.65 | H | -73.98 | -13 | -60.98 | -69.42 | -62.49 | -9.34 |
| 440.31 | H | -69.77 | -13 | -56.77 | -70.51 | -66.32 | -1.3 |
| 692.51 | H | -59.79 | -13 | -46.79 | -64.32 | -55.95 | -1.69 |
| 724.52 | H | -49.4 | -13 | -36.4 | -55 | -45.35 | -1.9 |
| 32.91 | V | -70.97 | -13 | -57.97 | -64.1 | -50.08 | -18.74 |
| 73.65 | V | -66.3 | -13 | -53.3 | -62.32 | -54.81 | -9.34 |
| 80.44 | V | -71.58 | -13 | -58.58 | -68.79 | -62.28 | -7.15 |
| 120.21 | V | -71.75 | -13 | -58.75 | -69.78 | -63.53 | -6.07 |
| 692.51 | V | -63.92 | -13 | -50.92 | -70.47 | -60.08 | -1.69 |
| 731.31 | V | -51.17 | -13 | -38.17 | -58.53 | -47.07 | -1.95 |

Note: ERP = S.G Power value + Correction factor-2.15 dB



| Mode LTE Band 12, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 1 ,Channel : 23095 | | | | | | | |
|--|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 30.97 | H | -66.6 | -13 | -53.6 | -72.49 | -45.24 | -19.21 |
| 46.49 | H | -69.79 | -13 | -56.79 | -73.5 | -50.97 | -16.67 |
| 420.91 | H | -67.09 | -13 | -54.09 | -67.55 | -63.67 | -1.27 |
| 440.31 | H | -67.52 | -13 | -54.52 | -68.26 | -64.07 | -1.3 |
| 689.6 | H | -55.62 | -13 | -42.62 | -60.07 | -51.78 | -1.69 |
| 724.52 | H | -50.51 | -13 | -37.51 | -56.11 | -46.46 | -1.9 |
| 42.61 | V | -68.39 | -13 | -55.39 | -62.92 | -49 | -17.24 |
| 73.65 | V | -63.02 | -13 | -50.02 | -59.04 | -51.53 | -9.34 |
| 79.47 | V | -71.09 | -13 | -58.09 | -68.34 | -61.52 | -7.42 |
| 120.21 | V | -71.82 | -13 | -58.82 | -69.85 | -63.6 | -6.07 |
| 690.57 | V | -59.25 | -13 | -46.25 | -65.77 | -55.41 | -1.69 |
| 724.52 | V | -54.18 | -13 | -41.18 | -61.37 | -50.13 | -1.9 |

| Mode LTE Band 12, QPSK, CB:10 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23095 | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 30 | H | -66.3 | -13 | -53.3 | -72.38 | -44.7 | -19.45 |
| 45.52 | H | -70.4 | -13 | -57.4 | -74.45 | -51.42 | -16.83 |
| 418 | H | -67.51 | -13 | -54.51 | -67.93 | -64.1 | -1.26 |
| 437.4 | H | -70.45 | -13 | -57.45 | -71.15 | -67 | -1.3 |
| 683.78 | H | -57.08 | -13 | -44.08 | -61.4 | -53.23 | -1.7 |
| 724.52 | H | -53.37 | -13 | -40.37 | -58.97 | -49.32 | -1.9 |
| 42.61 | V | -70.41 | -13 | -57.41 | -64.97 | -51.02 | -17.24 |
| 133.79 | V | -68.46 | -13 | -55.46 | -67.38 | -59.77 | -6.54 |
| 164.83 | V | -71.16 | -13 | -58.16 | -71.23 | -63.1 | -5.91 |
| 437.4 | V | -69.54 | -13 | -56.54 | -70.72 | -66.09 | -1.3 |
| 692.51 | V | -57.93 | -13 | -44.93 | -64.48 | -54.09 | -1.69 |
| 724.52 | V | -53.59 | -13 | -40.59 | -60.78 | -49.54 | -1.9 |

Note: ERP = S.G Power value + Correction factor-2.15 dB

Test Result of Radiated Emissions above 1GHz

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 12, QPSK, CB:1.4 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23017 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1398.5 | H | -34.47 | -13 | -21.47 | -38.86 | -36.24 | 3.92 |
| 2097.75 | H | -41.55 | -13 | -28.55 | -48.59 | -44.95 | 5.55 |
| 2797 | H | -52.75 | -13 | -39.75 | -61.57 | -56.93 | 6.33 |
| 1398.5 | V | -39.23 | -13 | -26.23 | -43.33 | -41 | 3.92 |
| 2097.75 | V | -38.74 | -13 | -25.74 | -45.77 | -42.14 | 5.55 |
| 2797 | V | -51.24 | -13 | -38.24 | -60.15 | -55.42 | 6.33 |

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 12, QPSK, CB:1.4 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23095 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1414.1 | H | -34.45 | -13 | -21.45 | -38.83 | -36.34 | 4.04 |
| 2121.15 | H | -42.54 | -13 | -29.54 | -49.77 | -45.77 | 5.38 |
| 2828.2 | H | -52.67 | -13 | -39.67 | -61.64 | -56.87 | 6.35 |
| 1414.1 | V | -39.39 | -13 | -26.39 | -43.52 | -41.28 | 4.04 |
| 2121.15 | V | -40.84 | -13 | -27.84 | -48.08 | -44.07 | 5.38 |
| 2828.2 | V | -51.45 | -13 | -38.45 | -60.45 | -55.65 | 6.35 |

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 12, QPSK, CB:1.4 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23173 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1429.7 | H | -36.7 | -13 | -23.7 | -41.07 | -38.72 | 4.17 |
| 2144.55 | H | -41.83 | -13 | -28.83 | -49.23 | -44.9 | 5.22 |
| 2859.4 | H | -53.09 | -13 | -40.09 | -67.22 | -57.33 | 6.39 |
| 1429.7 | V | -40.18 | -13 | -27.18 | -44.33 | -42.2 | 4.17 |
| 2144.55 | V | -40.57 | -13 | -27.57 | -48.02 | -43.64 | 5.22 |
| 2859.4 | V | -52.29 | -13 | -39.29 | -61.38 | -56.53 | 6.39 |

Note: ERP = S.G Power value + Correction factor-2.15 dB

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 12, QPSK, CB:3 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23025 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1399.02 | H | -34.24 | -13 | -21.24 | -38.65 | -36.01 | 3.92 |
| 2098.53 | H | -41.37 | -13 | -28.37 | -48.42 | -44.77 | 5.55 |
| 2798.04 | H | -52.58 | -13 | -39.58 | -61.4 | -56.75 | 6.32 |
| 1399.02 | V | -39.46 | -13 | -26.46 | -43.57 | -41.23 | 3.92 |
| 2098.53 | V | -38.88 | -13 | -25.88 | -45.92 | -42.28 | 5.55 |
| 2798.04 | V | -51.52 | -13 | -38.52 | -60.43 | -55.69 | 6.32 |

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 12, QPSK, CB:3 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23095 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1413.02 | H | -34.82 | -13 | -21.82 | -39.21 | -36.7 | 4.03 |
| 2119.53 | H | -42.7 | -13 | -29.7 | -49.92 | -45.95 | 5.4 |
| 2826.04 | H | -52.47 | -13 | -39.47 | -61.43 | -56.67 | 6.35 |
| 1413.02 | V | -39.75 | -13 | -26.75 | -43.88 | -41.63 | 4.03 |
| 2119.53 | V | -41.03 | -13 | -28.03 | -48.26 | -44.28 | 5.4 |
| 2826.04 | V | -51.85 | -13 | -38.85 | -60.85 | -56.05 | 6.35 |

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 12, QPSK, CB:3 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23165 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1427.02 | H | -36.9 | -13 | -23.9 | -41.27 | -38.89 | 4.14 |
| 2140.53 | H | -41.46 | -13 | -28.46 | -48.83 | -44.56 | 5.25 |
| 2854.04 | H | -53.35 | -13 | -40.35 | -62.46 | -57.58 | 6.38 |
| 1427.02 | V | -40 | -13 | -27 | -44.15 | -41.99 | 4.14 |
| 2140.53 | V | -40.84 | -13 | -27.84 | -48.25 | -43.94 | 5.25 |
| 2854.04 | V | -52.39 | -13 | -39.39 | -61.47 | -56.62 | 6.38 |

Note: ERP = S.G Power value + Correction factor-2.15 dB

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 12, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 1 ,Channel : 23035 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1401.04 | H | -34.54 | -13 | -21.54 | -38.94 | -36.32 | 3.93 |
| 2101.56 | H | -41.15 | -13 | -28.15 | -48.22 | -44.52 | 5.52 |
| 2802.08 | H | -52.56 | -13 | -39.56 | -61.4 | -56.73 | 6.32 |
| 1401.04 | V | -39.46 | -13 | -26.46 | -43.58 | -41.24 | 3.93 |
| 2101.56 | V | -38.86 | -13 | -25.86 | -45.92 | -42.23 | 5.52 |
| 2802.08 | V | -51.54 | -13 | -38.54 | -60.47 | -55.71 | 6.32 |

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 12, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 1 ,Channel : 23095 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1413.04 | H | -34.23 | -13 | -21.23 | -38.62 | -36.11 | 4.03 |
| 2119.56 | H | -42.75 | -13 | -29.75 | -49.97 | -46 | 5.4 |
| 2826.08 | H | -52.5 | -13 | -39.5 | -61.46 | -56.7 | 6.35 |
| 1413.04 | V | -39.15 | -13 | -26.15 | -43.28 | -41.03 | 4.03 |
| 2119.56 | V | -41.13 | -13 | -28.13 | -48.36 | -44.38 | 5.4 |
| 2826.08 | V | -51.57 | -13 | -38.57 | -60.57 | -55.77 | 6.35 |

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 12, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 1 ,Channel : 23155 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1425.04 | H | -36.92 | -13 | -23.92 | -41.29 | -38.9 | 4.13 |
| 2137.56 | H | -42.21 | -13 | -29.21 | -49.56 | -45.33 | 5.27 |
| 2850.08 | H | -53.04 | -13 | -40.04 | -62.13 | -57.27 | 6.38 |
| 1425.04 | V | -40.41 | -13 | -27.41 | -44.55 | -42.39 | 4.13 |
| 2137.56 | V | -40.88 | -13 | -27.88 | -48.27 | -44 | 5.27 |
| 2850.08 | V | -52.6 | -13 | -39.6 | -61.67 | -56.83 | 6.38 |

Note: ERP = S.G Power value + Correction factor-2.15 dB

| Mode LTE Band 12, QPSK, CB:10 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23060 | | | | | | | |
|--|-------------------------|--------------------|--------------------|--------------------|--------------------------|------------------------------|-------------------------------|
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1399.54 | H | -34.84 | -13 | -21.84 | -39.25 | -36.61 | 3.92 |
| 2099.31 | H | -41.99 | -13 | -28.99 | -49.05 | -45.38 | 5.54 |
| 2799.08 | H | -52.63 | -13 | -39.63 | -61.46 | -56.8 | 6.32 |
| 1399.54 | V | -39.39 | -13 | -26.39 | -43.51 | -41.16 | 3.92 |
| 2099.31 | V | -39.6 | -13 | -26.6 | -46.64 | -42.99 | 5.54 |
| 2799.08 | V | -51.41 | -13 | -38.41 | -60.33 | -55.58 | 6.32 |

| Mode LTE Band 12, QPSK, CB:10 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23095 | | | | | | | |
|--|-------------------------|--------------------|--------------------|--------------------|--------------------------|------------------------------|-------------------------------|
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1406.54 | H | -34.79 | -13 | -21.79 | -39.19 | -36.61 | 3.97 |
| 2109.81 | H | -42.41 | -13 | -29.41 | -49.55 | -45.72 | 5.46 |
| 2813.08 | H | -52.56 | -13 | -39.56 | -61.46 | -56.75 | 6.34 |
| 1406.54 | V | -39.6 | -13 | -26.6 | -43.73 | -41.42 | 3.97 |
| 2109.81 | V | -40.41 | -13 | -27.41 | -47.55 | -43.72 | 5.46 |
| 2813.08 | V | -51.6 | -13 | -38.6 | -60.56 | -55.79 | 6.34 |

| Mode LTE Band 12, QPSK, CB:10 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23130 | | | | | | | |
|--|-------------------------|--------------------|--------------------|--------------------|--------------------------|------------------------------|-------------------------------|
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1413.54 | H | -36.84 | -13 | -23.84 | -41.23 | -38.72 | 4.03 |
| 2120.31 | H | -41.73 | -13 | -28.73 | -48.95 | -44.97 | 5.39 |
| 2827.08 | H | -52.68 | -13 | -39.68 | -61.65 | -56.88 | 6.35 |
| 1413.54 | V | -40.39 | -13 | -27.39 | -44.52 | -42.27 | 4.03 |
| 2120.31 | V | -40.71 | -13 | -27.71 | -47.95 | -43.95 | 5.39 |
| 2827.08 | V | -52.51 | -13 | -39.51 | -61.51 | -56.71 | 6.35 |

Note: ERP = S.G Power value + Correction factor-2.15 dB



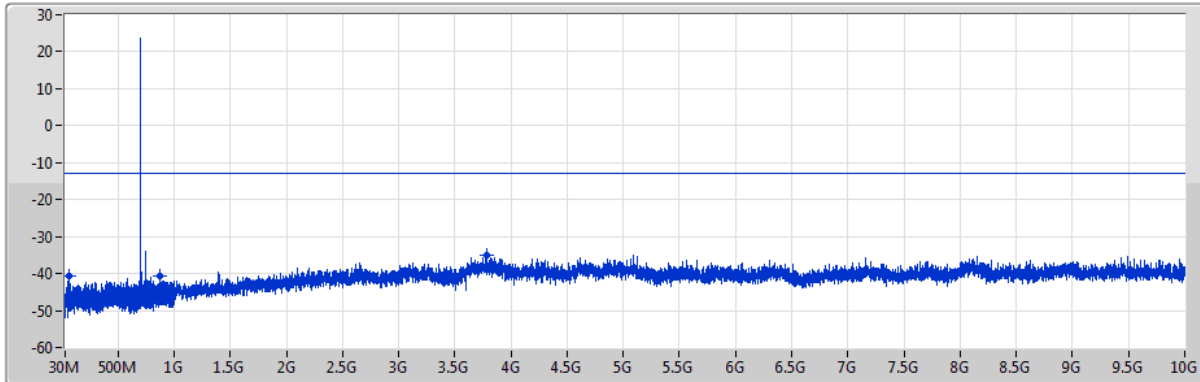
Summary

| Mode | Result | F-Start (Hz) | F-Stop (Hz) | RBW (Hz) | VBW (Hz) | Detector | Freq (Hz) | Level (dBm) | Limit (dBm) | Margin (dB) | Port | Remark | Ref.Limit (dB) |
|------------------------------|--------|--------------|-------------|----------|----------|----------|-----------|-------------|-------------|-------------|------|--------|----------------|
| Band 12 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LTE-M1_1.4MHz_Nss1,QPSK_1TX | Pass | 1G | 10G | 1M | 3M | Peak | 3.7873G | -34.92 | -13.00 | -21.92 | 1 | - | - |
| LTE-M1_1.4MHz_Nss1,16QAM_1TX | Pass | 1G | 10G | 1M | 3M | Peak | 3.7558G | -32.67 | -13.00 | -19.67 | 1 | - | - |
| LTE-M1_3MHz_Nss1,QPSK_1TX | Pass | 1G | 10G | 1M | 3M | Peak | 3.8323G | -34.65 | -13.00 | -21.65 | 1 | - | - |
| LTE-M1_3MHz_Nss1,16QAM_1TX | Pass | 1G | 10G | 1M | 3M | Peak | 8.1019G | -34.64 | -13.00 | -21.64 | 1 | - | - |
| LTE-M1_5MHz_Nss1,QPSK_1TX | Pass | 1G | 10G | 1M | 3M | Peak | 5.617G | -34.74 | -13.00 | -21.74 | 1 | - | - |
| LTE-M1_5MHz_Nss1,16QAM_1TX | Pass | 1G | 10G | 1M | 3M | Peak | 3.7954G | -33.81 | -13.00 | -20.81 | 1 | - | - |
| LTE-M1_10MHz_Nss1,QPSK_1TX | Pass | 1G | 10G | 1M | 3M | Peak | 3.8521G | -34.06 | -13.00 | -21.06 | 1 | - | - |
| LTE-M1_10MHz_Nss1,16QAM_1TX | Pass | 1G | 10G | 1M | 3M | Peak | 3.8026G | -34.60 | -13.00 | -21.60 | 1 | - | - |



Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX
699.7MHz

CSE-TX-Port

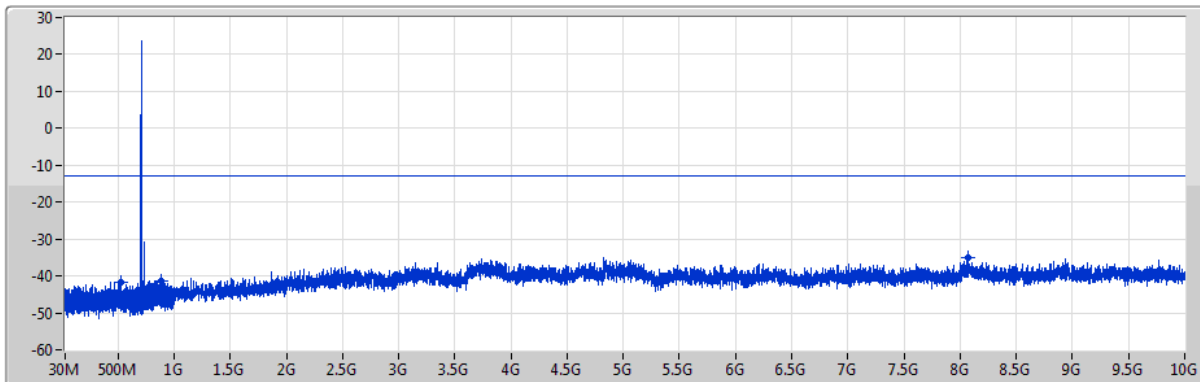


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 59.11M | -40.70 | -13.00 | -27.70 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 871.38M | -40.64 | -13.00 | -27.64 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.7873G | -34.92 | -13.00 | -21.92 | 1 | - |

Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX
707.5MHz

CSE-TX-Port



Port1

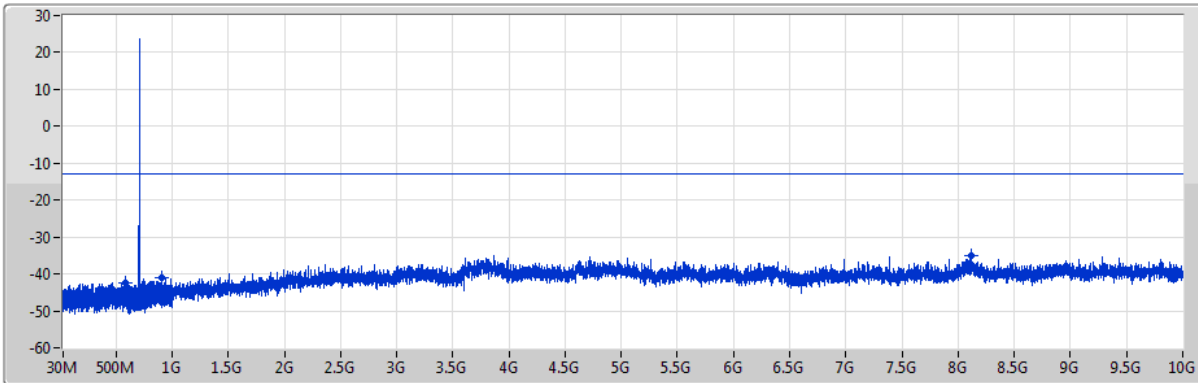
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 531.83M | -41.56 | -13.00 | -28.56 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 888.5M | -41.47 | -13.00 | -28.47 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 8.0686G | -35.09 | -13.00 | -22.09 | 1 | - |



Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

CSE-TX-Port

715.3MHz



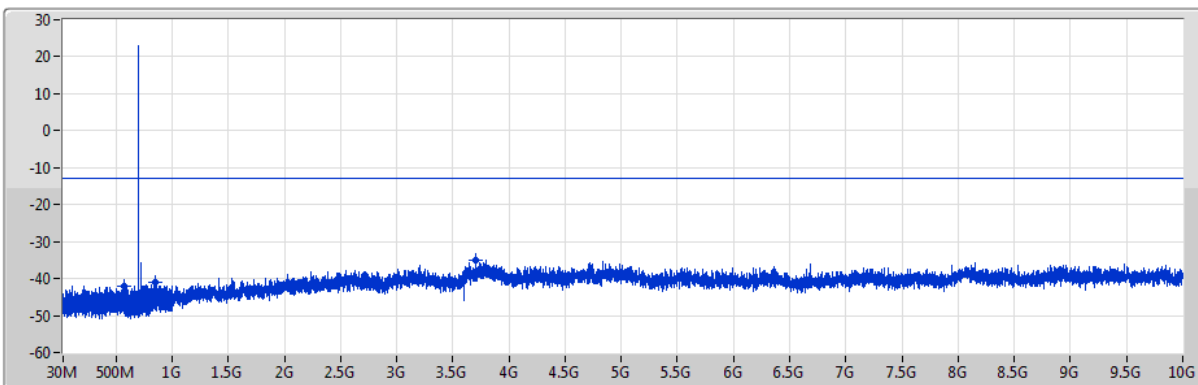
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 580.96M | -42.32 | -13.00 | -29.32 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 906.8M | -41.00 | -13.00 | -28.00 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 8.1163G | -35.06 | -13.00 | -22.06 | 1 | - |

Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

699.7MHz



Port1

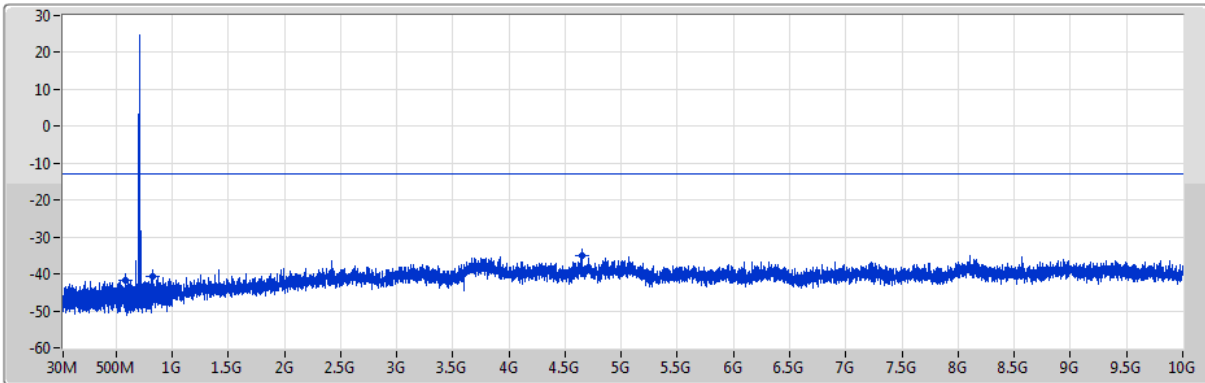
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 573.72M | -41.96 | -13.00 | -28.96 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 846.91M | -41.16 | -13.00 | -28.16 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.709G | -35.01 | -13.00 | -22.01 | 1 | - |



Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

707.5MHz



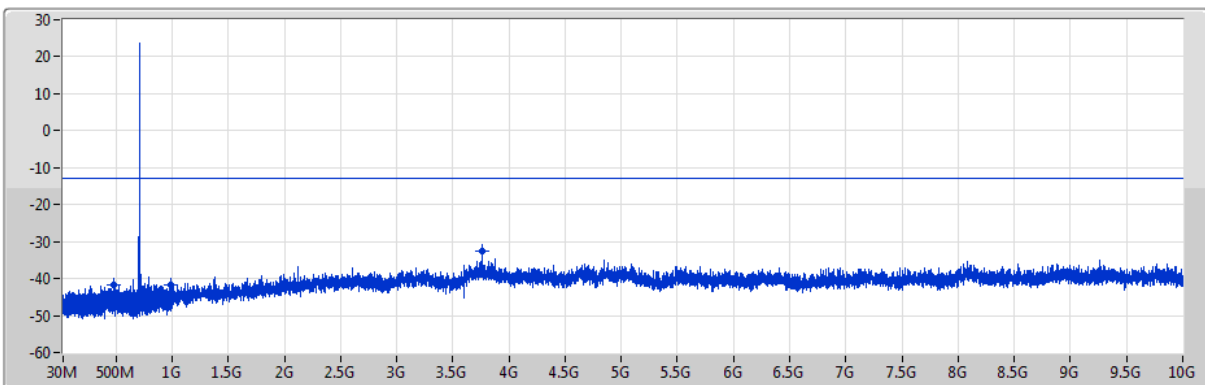
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 588.34M | -41.80 | -13.00 | -28.80 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 831.64M | -40.76 | -13.00 | -27.76 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 4.654G | -35.11 | -13.00 | -22.11 | 1 | - |

Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

CSE-TX-Port

715.3MHz



Port1

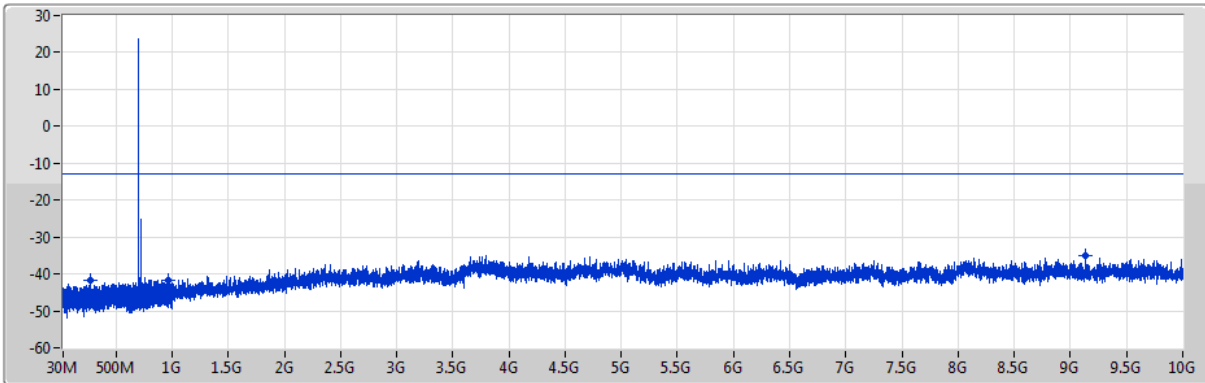
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 476.31M | -41.60 | -13.00 | -28.60 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 990.06M | -41.56 | -13.00 | -28.56 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.7558G | -32.67 | -13.00 | -19.67 | 1 | - |



Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

700.5MHz

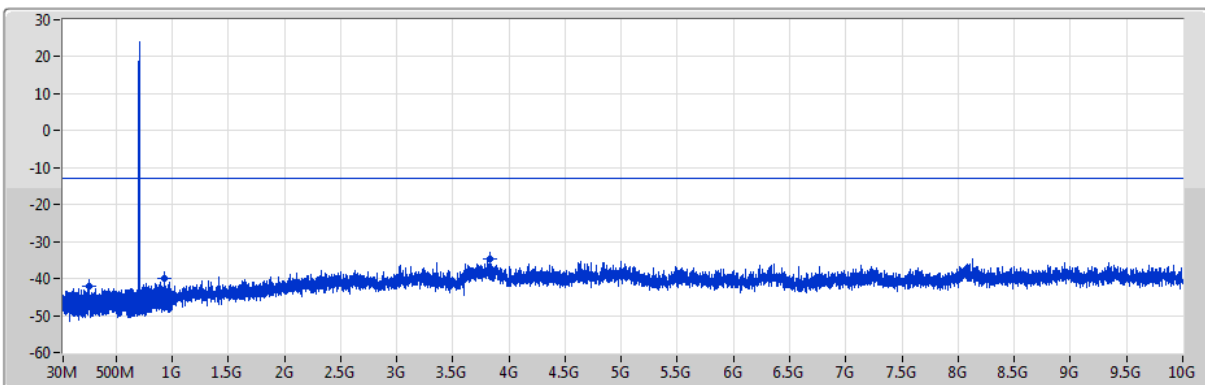


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 267.42M | -41.79 | -13.00 | -28.79 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 969.82M | -41.60 | -13.00 | -28.60 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 9.1324G | -34.93 | -13.00 | -21.93 | 1 | - |

Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

707.5MHz



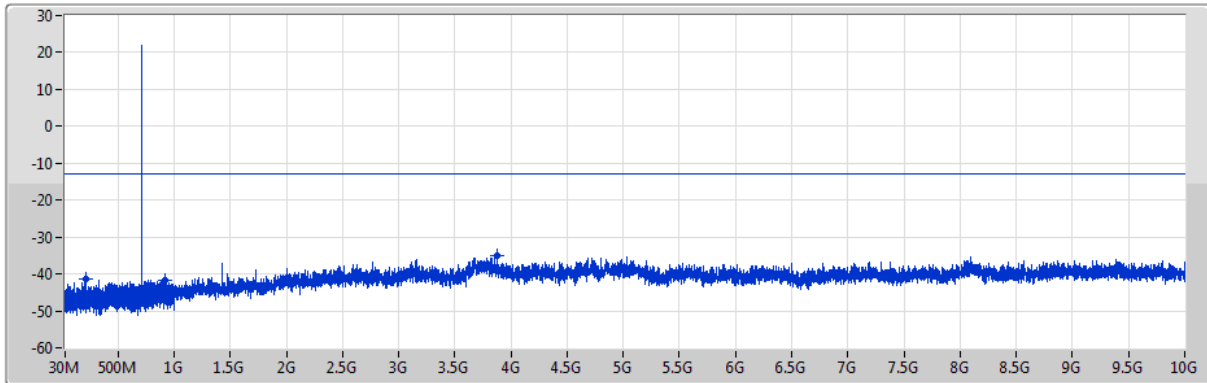
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 262.45M | -42.20 | -13.00 | -29.20 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 931.18M | -39.91 | -13.00 | -26.91 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.8323G | -34.65 | -13.00 | -21.65 | 1 | - |



Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

714.5MHz



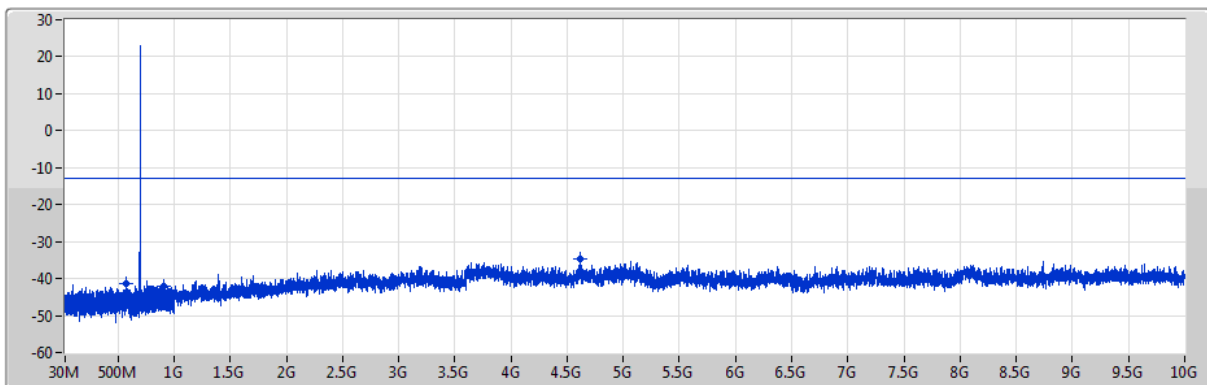
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 211.76M | -41.43 | -13.00 | -28.43 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 922.17M | -41.63 | -13.00 | -28.63 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.8782G | -34.98 | -13.00 | -21.98 | 1 | - |

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

700.5MHz



Port1

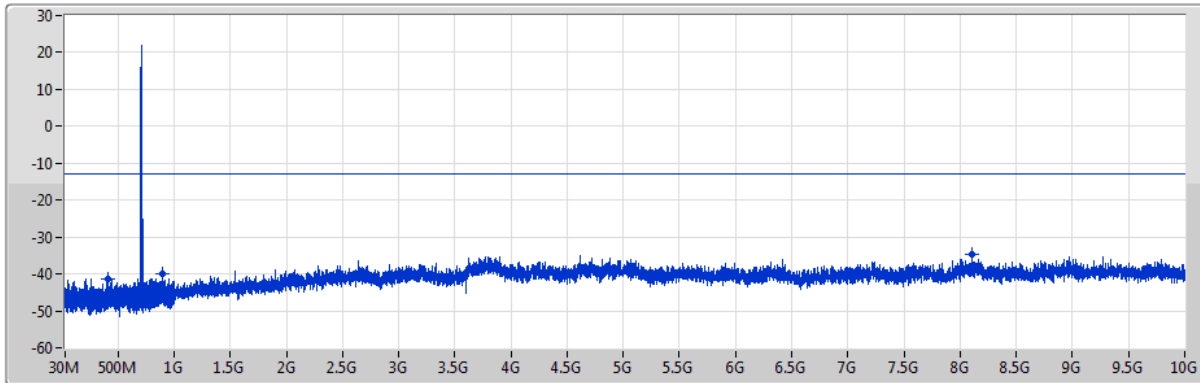
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 576.13M | -41.39 | -13.00 | -28.39 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 906.8M | -41.96 | -13.00 | -28.96 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 4.618G | -34.86 | -13.00 | -21.86 | 1 | - |



Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

707.5MHz



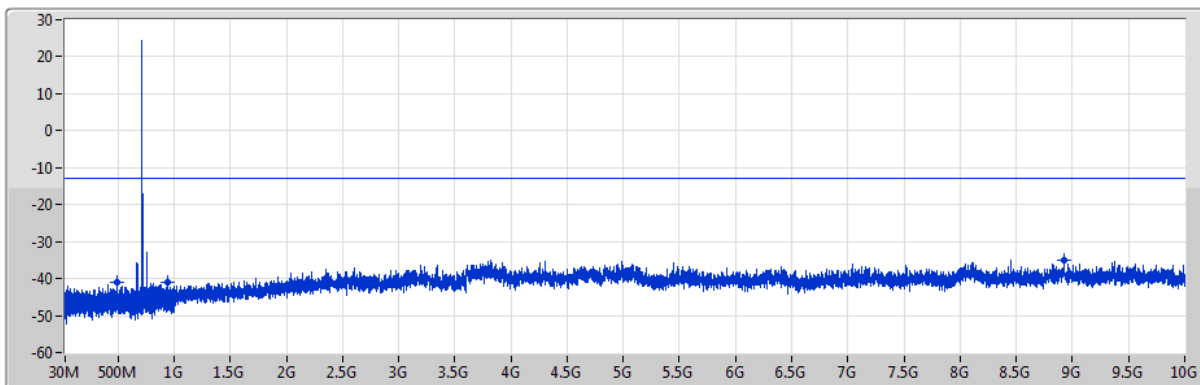
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 409.71M | -41.22 | -13.00 | -28.22 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 899.35M | -39.92 | -13.00 | -26.92 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 8.1019G | -34.64 | -13.00 | -21.64 | 1 | - |

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

714.5MHz



Port1

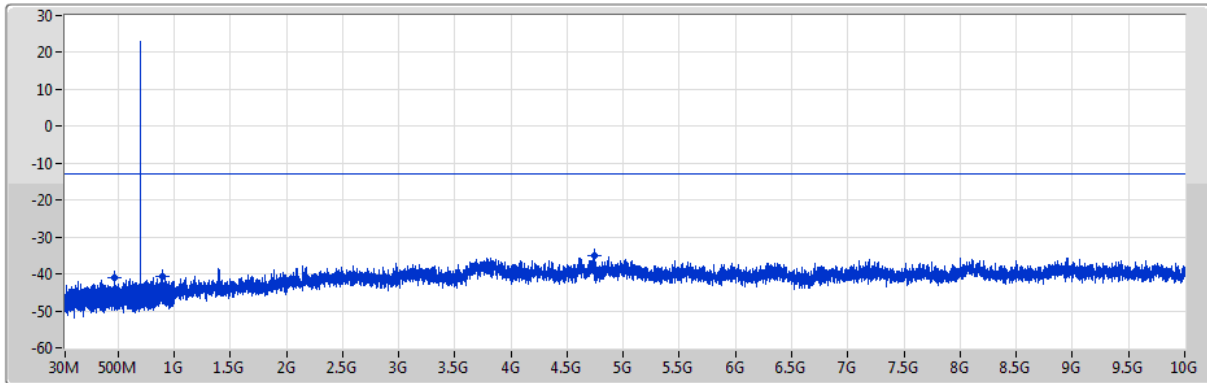
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 496.04M | -40.90 | -13.00 | -27.90 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 943.24M | -41.12 | -13.00 | -28.12 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 8.9299G | -35.14 | -13.00 | -22.14 | 1 | - |



Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

701.5MHz



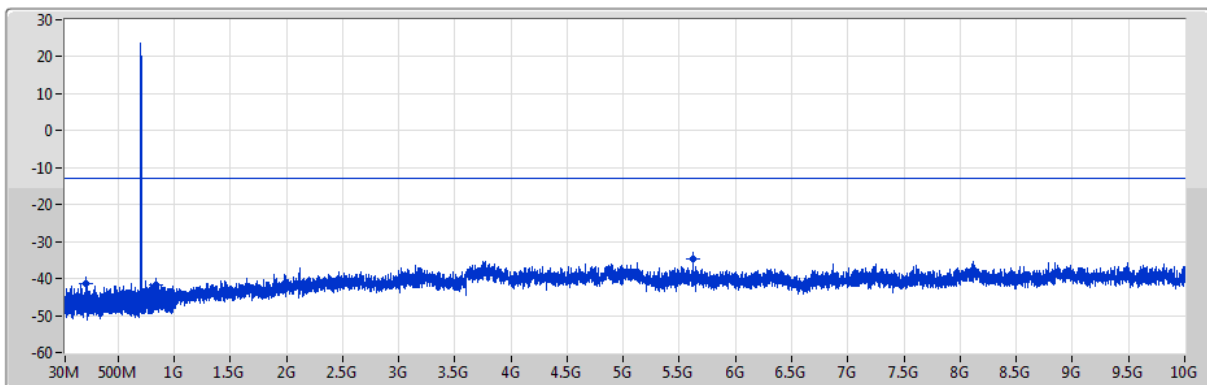
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 467.5M | -41.10 | -13.00 | -28.10 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 899.17M | -40.82 | -13.00 | -27.82 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 4.7404G | -35.10 | -13.00 | -22.10 | 1 | - |

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

707.5MHz



Port1

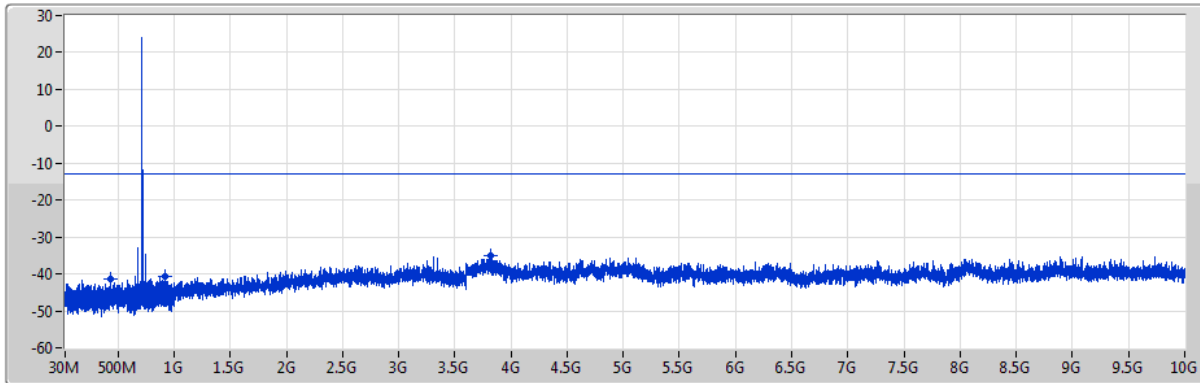
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 214.32M | -41.48 | -13.00 | -28.48 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 842.4M | -41.76 | -13.00 | -28.76 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 5.617G | -34.74 | -13.00 | -21.74 | 1 | - |



Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

713.5MHz

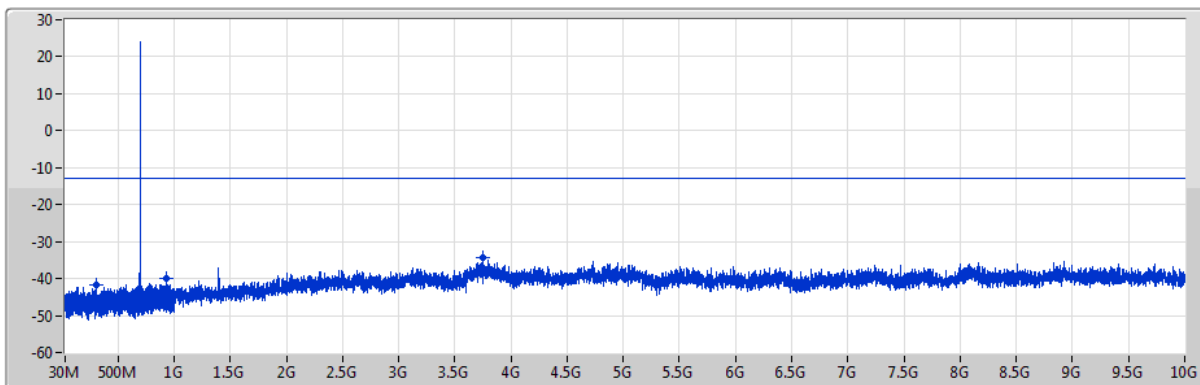


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 433.14M | -41.52 | -13.00 | -28.52 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 919.78M | -40.78 | -13.00 | -27.78 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.8161G | -35.14 | -13.00 | -22.14 | 1 | - |

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

701.5MHz



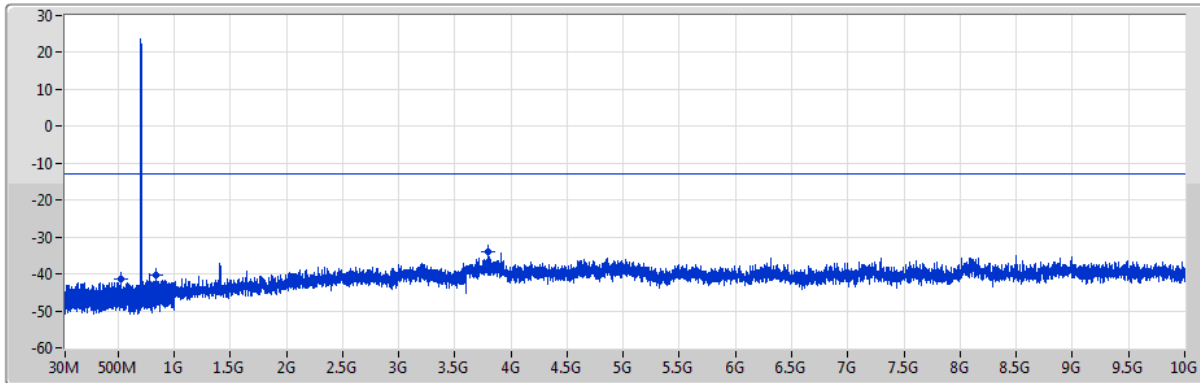
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 301.5M | -41.58 | -13.00 | -28.58 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 929.62M | -40.09 | -13.00 | -27.09 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.7486G | -34.23 | -13.00 | -21.23 | 1 | - |



Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

707.5MHz



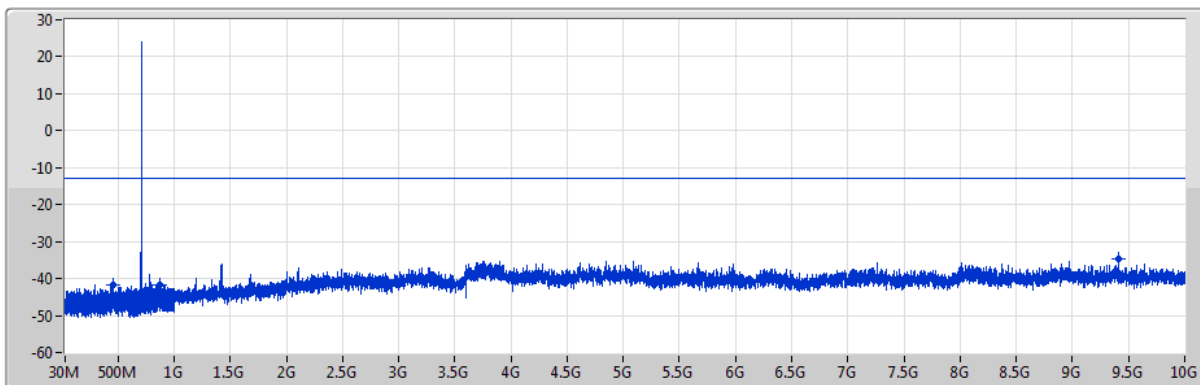
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 525.58M | -41.52 | -13.00 | -28.52 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 841.85M | -40.41 | -13.00 | -27.41 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.7954G | -33.81 | -13.00 | -20.81 | 1 | - |

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

713.5MHz



Port1

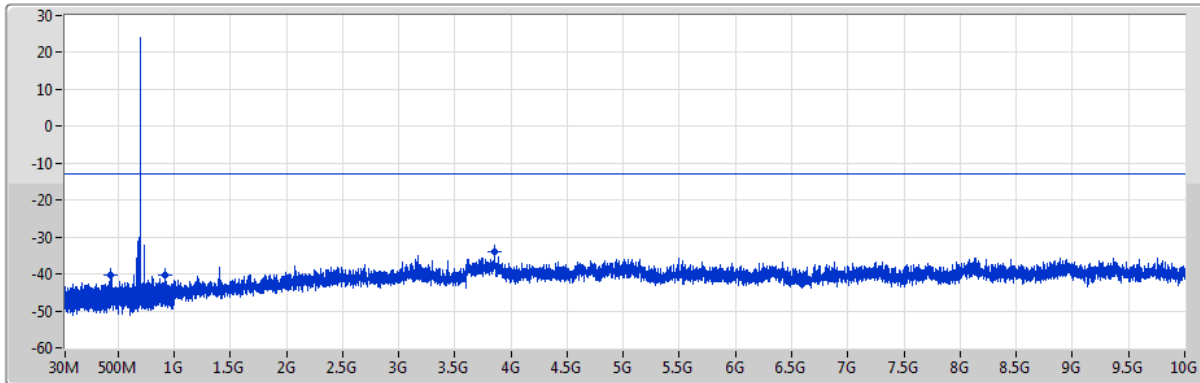
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 457.56M | -41.73 | -13.00 | -28.73 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 876.35M | -41.67 | -13.00 | -28.67 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 9.4051G | -34.78 | -13.00 | -21.78 | 1 | - |



Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

704MHz



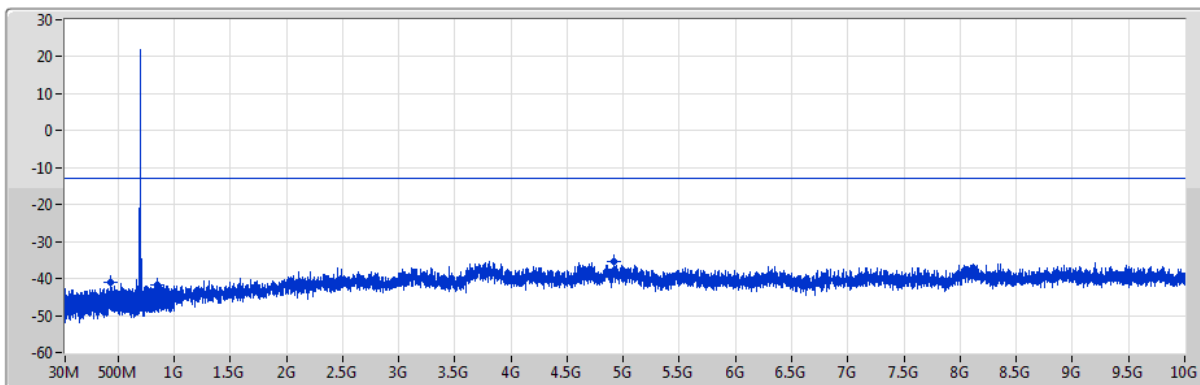
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 430.44M | -40.45 | -13.00 | -27.45 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 921.8M | -40.31 | -13.00 | -27.31 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.8521G | -34.06 | -13.00 | -21.06 | 1 | - |

Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

707.5MHz



Port1

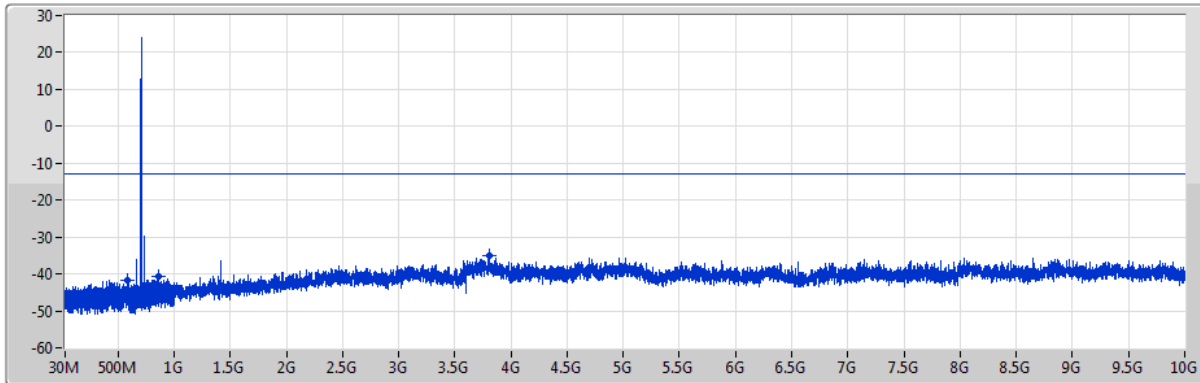
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 433.28M | -40.88 | -13.00 | -27.88 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 845.44M | -41.64 | -13.00 | -28.64 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 4.9222G | -35.51 | -13.00 | -22.51 | 1 | - |



Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

711MHz

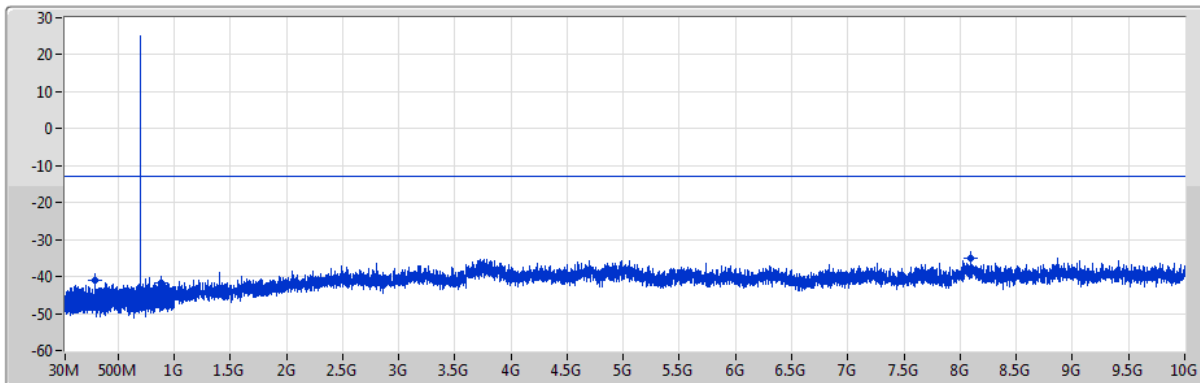


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 585.93M | -41.73 | -13.00 | -28.73 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 867.24M | -40.67 | -13.00 | -27.67 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.8116G | -35.09 | -13.00 | -22.09 | 1 | - |

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

704MHz

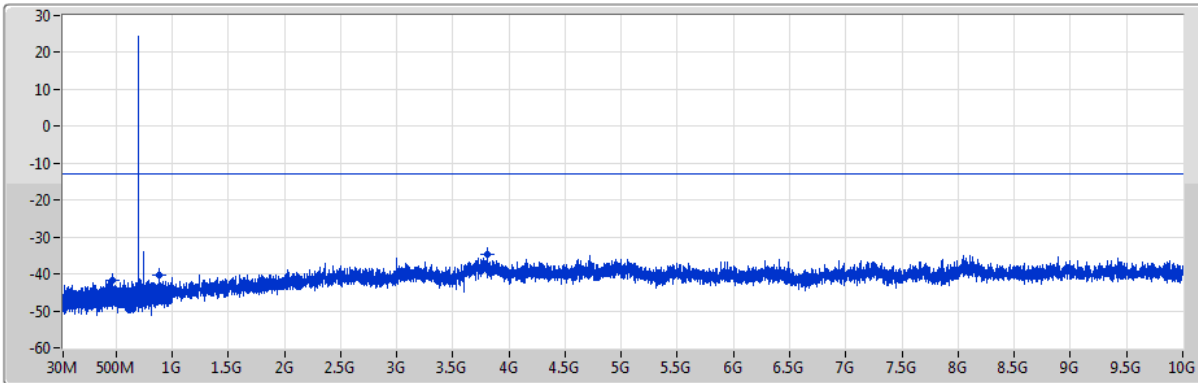


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 301.08M | -41.13 | -13.00 | -28.13 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 886.84M | -41.63 | -13.00 | -28.63 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 8.0965G | -35.04 | -13.00 | -22.04 | 1 | - |



Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
707.5MHz

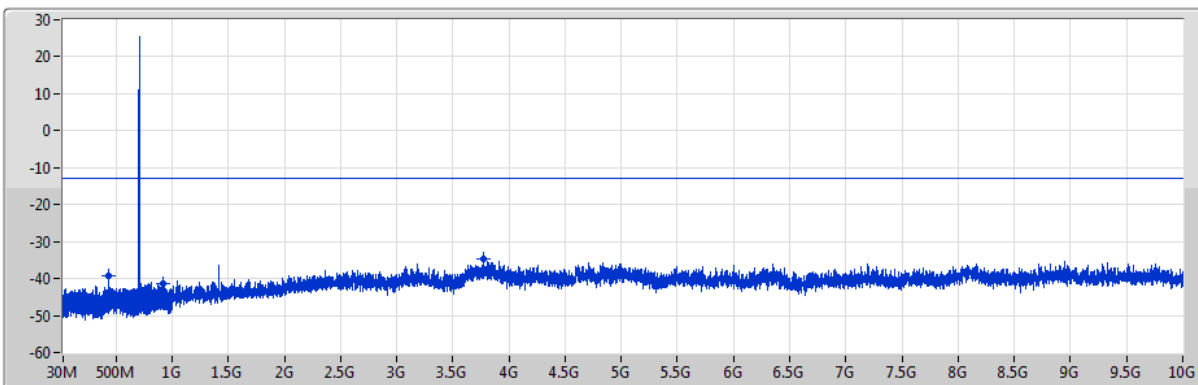
CSE-TX-Port



| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 473.47M | -41.55 | -13.00 | -28.55 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 881.78M | -40.17 | -13.00 | -27.17 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.8026G | -34.60 | -13.00 | -21.60 | 1 | - |

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
711MHz

CSE-TX-Port



| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 598M | 1M | 3M | Peak | 438.39M | -39.26 | -13.00 | -26.26 | 1 | - |
| 816M | 1G | 1M | 3M | Peak | 924.74M | -41.20 | -13.00 | -28.20 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.7756G | -34.85 | -13.00 | -21.85 | 1 | - |



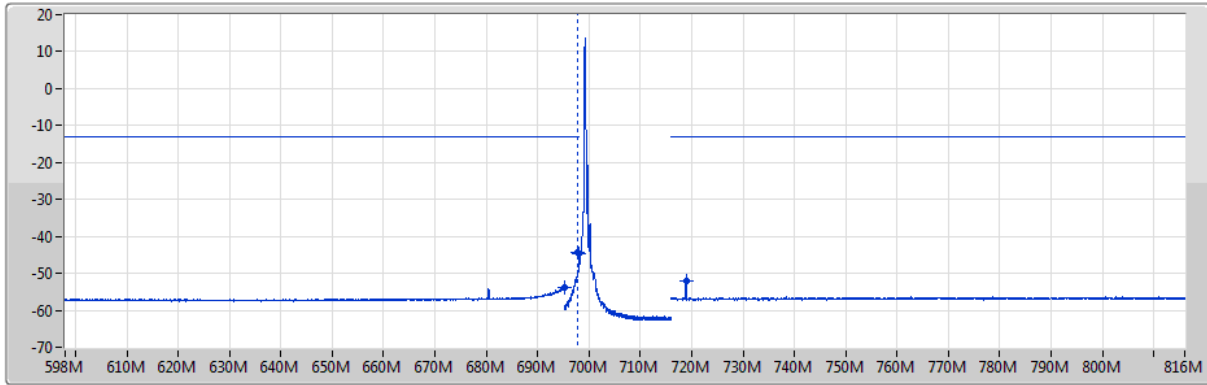
Summary

| Mode | Result | F-Start (Hz) | F-Stop (Hz) | RBW (Hz) | VBW (Hz) | Detector | Freq (Hz) | Level (dBm) | Limit (dBm) | Margin (dB) | Port | Remark | Ref.Limit (dB) |
|------------------------------|--------|--------------|-------------|----------|----------|----------|-----------|-------------|-------------|-------------|------|----------|----------------|
| Band 12 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LTE-M1_1.4MHz_Nss1,QPSK_1TX | Pass | 716M | 716.1M | 30k | 100k | RMS | 716M | -24.45 | -13.00 | -11.45 | 1 | - | - |
| LTE-M1_1.4MHz_Nss1,16QAM_1TX | Pass | 716M | 716.1M | 30k | 100k | RMS | 716M | -25.21 | -13.00 | -12.21 | 1 | - | - |
| LTE-M1_3MHz_Nss1,QPSK_1TX | Pass | 716.1M | 722M | 30k | 100k | RMS | 716.15M | -31.34 | -13.00 | -18.34 | 1 | MBW 100k | - |
| LTE-M1_3MHz_Nss1,16QAM_1TX | Pass | 716.1M | 722M | 30k | 100k | RMS | 716.15M | -29.91 | -13.00 | -16.91 | 1 | MBW 100k | - |
| LTE-M1_5MHz_Nss1,QPSK_1TX | Pass | 716.1M | 726M | 30k | 100k | RMS | 716.15M | -28.64 | -13.00 | -15.64 | 1 | MBW 100k | - |
| LTE-M1_5MHz_Nss1,16QAM_1TX | Pass | 716.1M | 726M | 30k | 100k | RMS | 716.15M | -29.88 | -13.00 | -16.88 | 1 | MBW 100k | - |
| LTE-M1_10MHz_Nss1,QPSK_1TX | Pass | 716.1M | 736M | 30k | 100k | RMS | 716.15M | -32.68 | -13.00 | -19.68 | 1 | MBW 100k | - |
| LTE-M1_10MHz_Nss1,16QAM_1TX | Pass | 716.1M | 736M | 30k | 100k | RMS | 716.15M | -33.59 | -13.00 | -20.59 | 1 | MBW 100k | - |



Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX
699.7MHz_QPSK_RB 1,#RB 0,NB 0

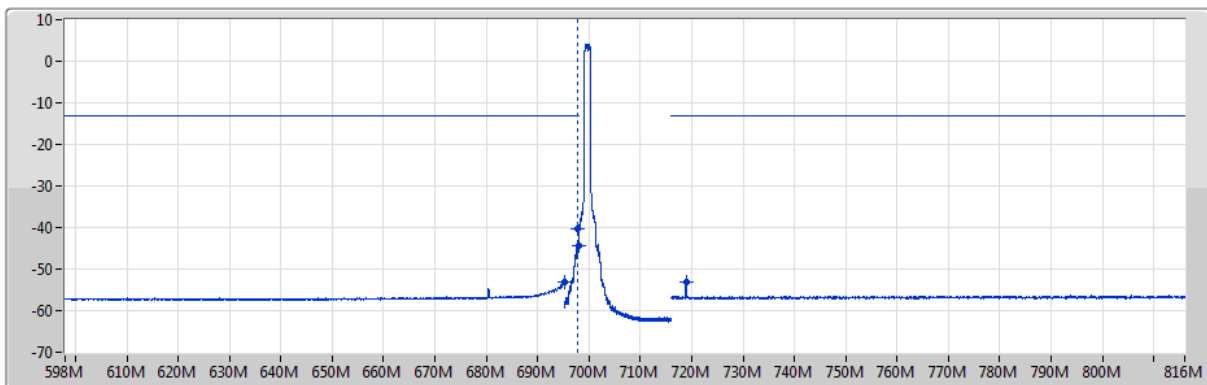
CSE-TX-Port



| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 695.2M | 100k | 300k | RMS | 695.2M | -53.69 | -13.00 | -40.69 | 1 | - |
| 695.2M | 697.9M | 30k | 100k | RMS | 697.85M | -44.50 | -13.00 | -31.50 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 697.99M | -44.79 | -13.00 | -31.79 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 718.9M | -52.03 | -13.00 | -39.03 | 1 | - |

Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX
699.7MHz_QPSK_RB 6,#RB 0,NB 0

CSE-TX-Port

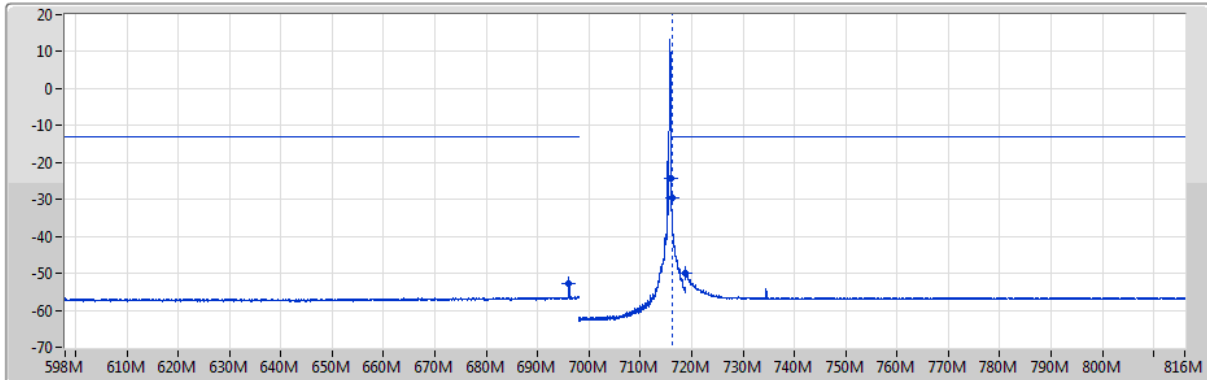


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 695.2M | 100k | 300k | RMS | 695.2M | -52.97 | -13.00 | -39.97 | 1 | - |
| 695.2M | 697.9M | 30k | 100k | RMS | 697.75M | -40.43 | -13.00 | -27.43 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 698M | -44.38 | -13.00 | -31.38 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 718.9M | -53.24 | -13.00 | -40.24 | 1 | - |



Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX
715.3MHz_QPSK_RB 1,#RB 5,NB 0

CSE-TX-Port

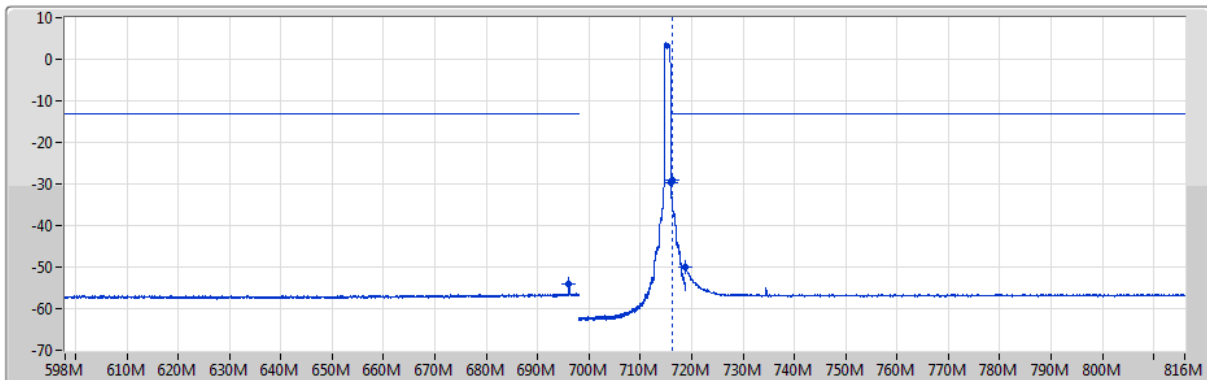


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 696.1M | -52.61 | -13.00 | -39.61 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -24.45 | -13.00 | -11.45 | 1 | - |
| 716.1M | 718.8M | 30k | 100k | RMS | 716.15M | -29.43 | -13.00 | -16.43 | 1 | MBW 100k |
| 718.8M | 816M | 100k | 300k | RMS | 718.8M | -49.90 | -13.00 | -36.90 | 1 | - |

Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX
715.3MHz_QPSK_RB 6,#RB 0,NB 0

CSE-TX-Port



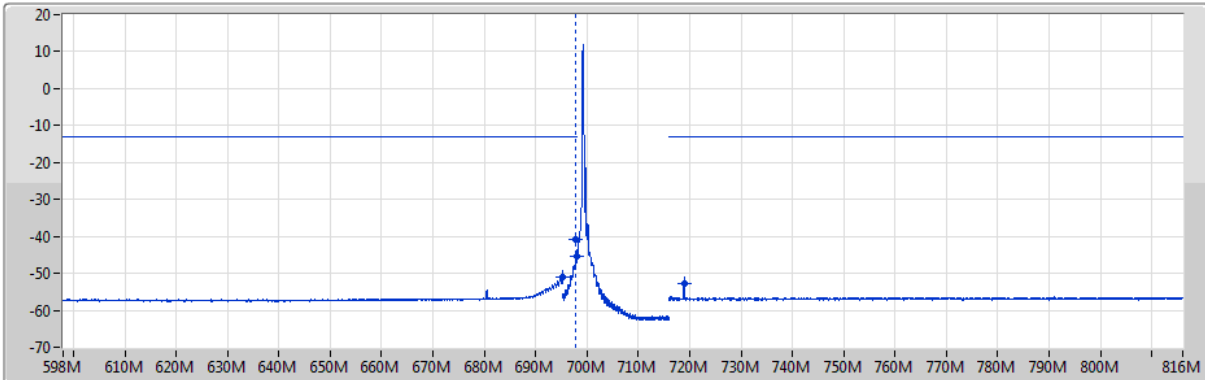
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 696.1M | -54.02 | -13.00 | -41.02 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -29.82 | -13.00 | -16.82 | 1 | - |
| 716.1M | 718.8M | 30k | 100k | RMS | 716.15M | -29.14 | -13.00 | -16.14 | 1 | MBW 100k |
| 718.8M | 816M | 100k | 300k | RMS | 718.85M | -49.99 | -13.00 | -36.99 | 1 | - |



Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX
699.7MHz_16QAM_RB 1,#RB 0,NB 0

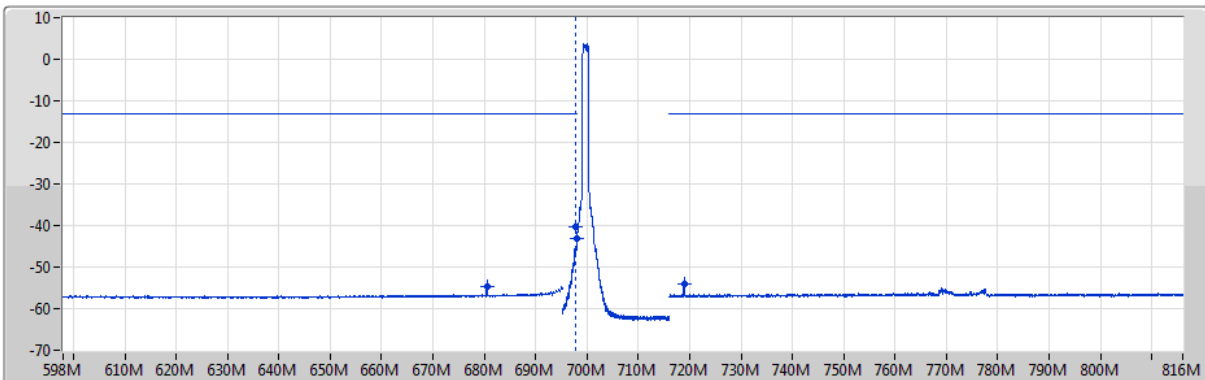
CSE-TX-Port



| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 695.2M | 100k | 300k | RMS | 695.2M | -51.19 | -13.00 | -38.19 | 1 | - |
| 695.2M | 697.9M | 30k | 100k | RMS | 697.85M | -40.85 | -13.00 | -27.85 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 697.96M | -45.23 | -13.00 | -32.23 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 718.9M | -52.86 | -13.00 | -39.86 | 1 | - |

Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX
699.7MHz_16QAM_RB 6,#RB 0,NB 0

CSE-TX-Port

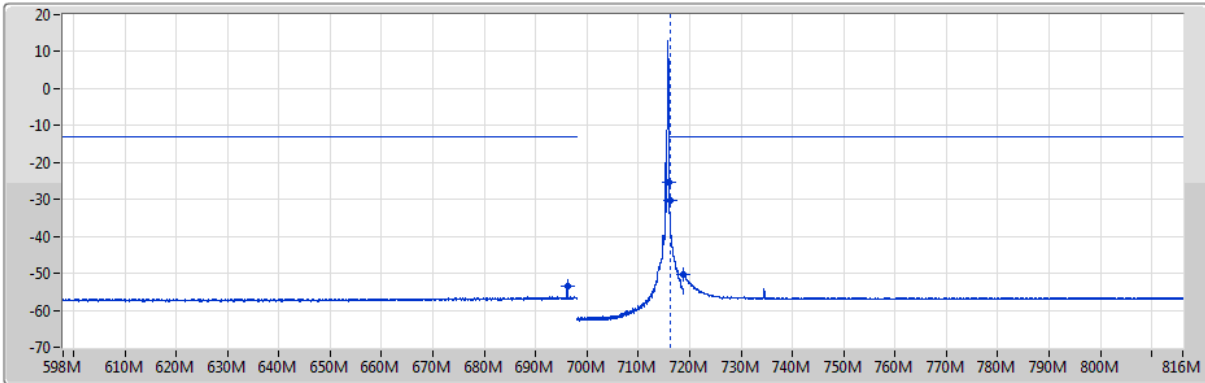


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 695.2M | 100k | 300k | RMS | 680.52M | -54.58 | -13.00 | -41.58 | 1 | - |
| 695.2M | 697.9M | 30k | 100k | RMS | 697.85M | -40.41 | -13.00 | -27.41 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 697.96M | -43.08 | -13.00 | -30.08 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 718.9M | -53.93 | -13.00 | -40.93 | 1 | - |



Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX
715.3MHz_16QAM_RB 1,#RB 5,NB 0

CSE-TX-Port

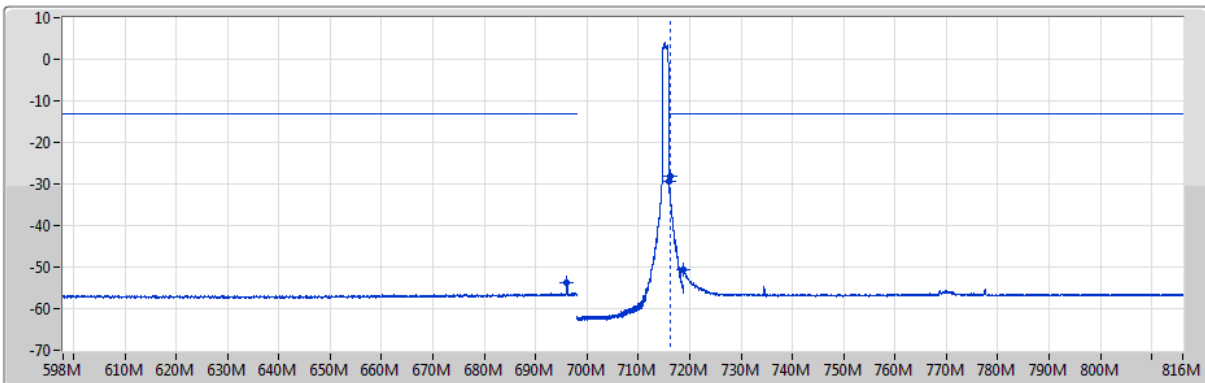


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 696.15M | -53.36 | -13.00 | -40.36 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -25.21 | -13.00 | -12.21 | 1 | - |
| 716.1M | 718.8M | 30k | 100k | RMS | 716.15M | -30.32 | -13.00 | -17.32 | 1 | MBW 100k |
| 718.8M | 816M | 100k | 300k | RMS | 718.8M | -50.23 | -13.00 | -37.23 | 1 | - |

Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX
715.3MHz_16QAM_RB 6,#RB 0,NB 0

CSE-TX-Port



Port1

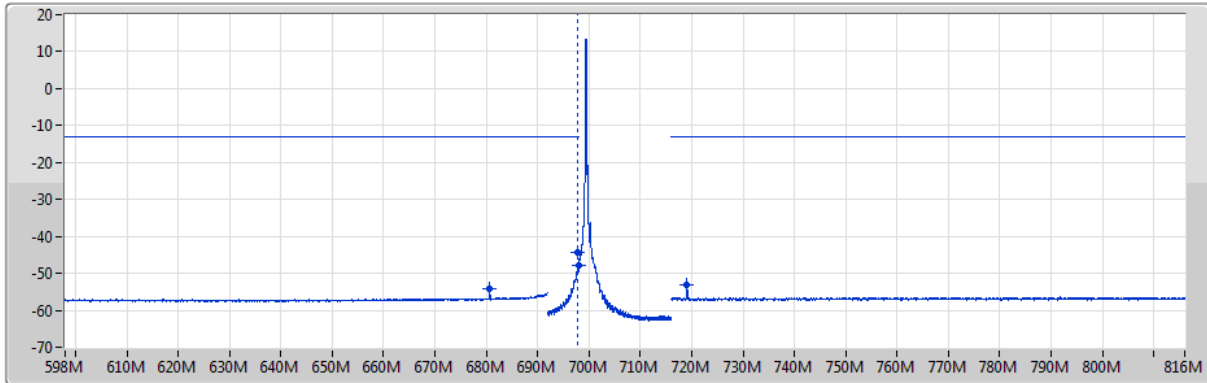
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 696.1M | -53.74 | -13.00 | -40.74 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -29.30 | -13.00 | -16.30 | 1 | - |
| 716.1M | 718.8M | 30k | 100k | RMS | 716.15M | -28.28 | -13.00 | -15.28 | 1 | MBW 100k |
| 718.8M | 816M | 100k | 300k | RMS | 718.8M | -50.73 | -13.00 | -37.73 | 1 | - |



Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

700.5MHz_QPSK_RB 1,#RB 0,NB 0



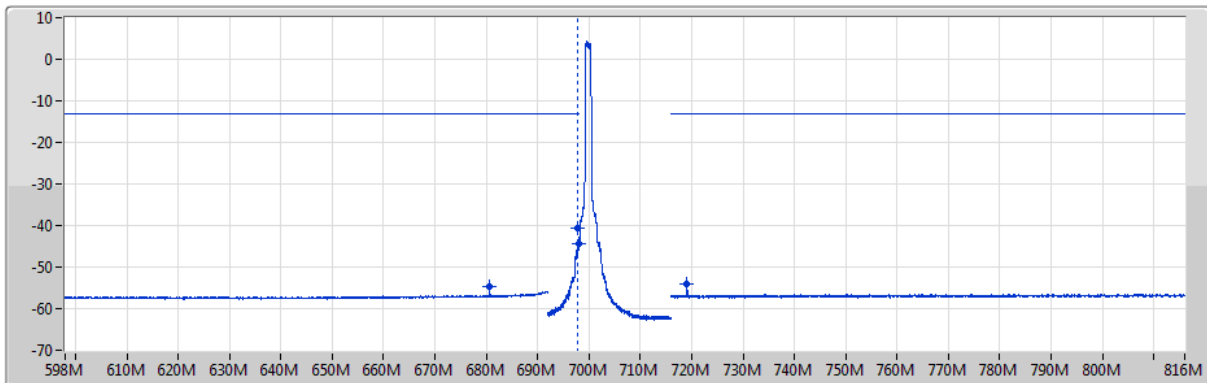
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 692M | 100k | 300k | RMS | 680.67M | -54.10 | -13.00 | -41.10 | 1 | - |
| 692M | 697.9M | 30k | 100k | RMS | 697.85M | -44.32 | -13.00 | -31.32 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 698M | -47.71 | -13.00 | -34.71 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 719.1M | -53.02 | -13.00 | -40.02 | 1 | - |

Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

700.5MHz_QPSK_RB 6,#RB 0,NB 0



Port1

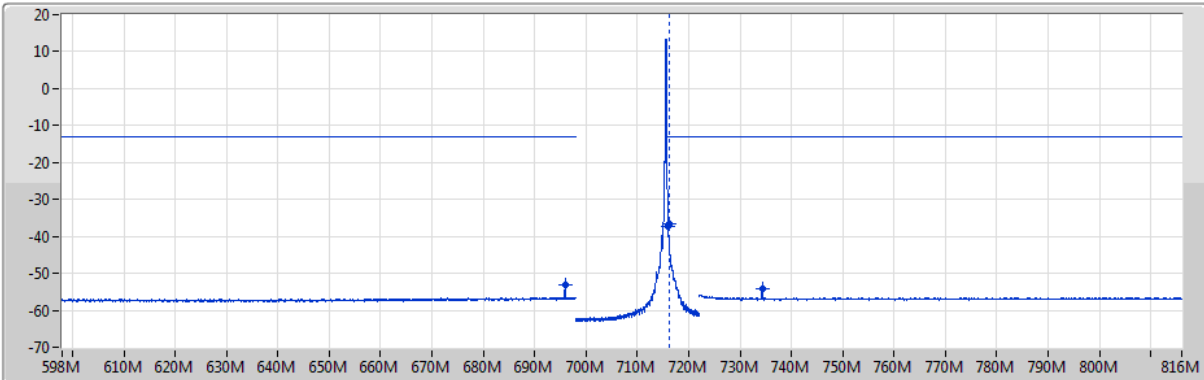
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 692M | 100k | 300k | RMS | 680.67M | -54.74 | -13.00 | -41.74 | 1 | - |
| 692M | 697.9M | 30k | 100k | RMS | 697.85M | -40.68 | -13.00 | -27.68 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 697.93M | -44.31 | -13.00 | -31.31 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 719.05M | -54.06 | -13.00 | -41.06 | 1 | - |



Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

714.5MHz_QPSK_RB 1,#RB 5,NB 1

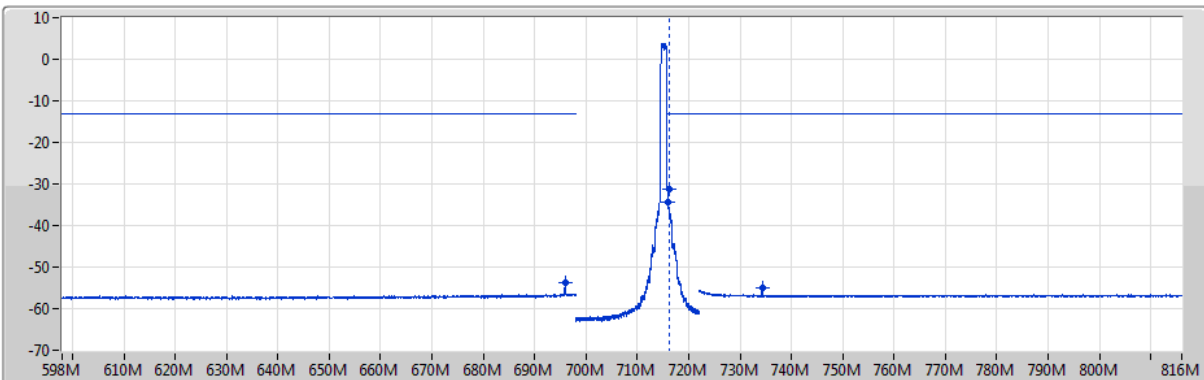


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 695.95M | -53.19 | -13.00 | -40.19 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -37.44 | -13.00 | -24.44 | 1 | - |
| 716.1M | 722M | 30k | 100k | RMS | 716.15M | -36.57 | -13.00 | -23.57 | 1 | MBW 100k |
| 722M | 816M | 100k | 300k | RMS | 734.31M | -54.17 | -13.00 | -41.17 | 1 | - |

Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

CSE-TX-Port

714.5MHz_QPSK_RB 6,#RB 0,NB 1



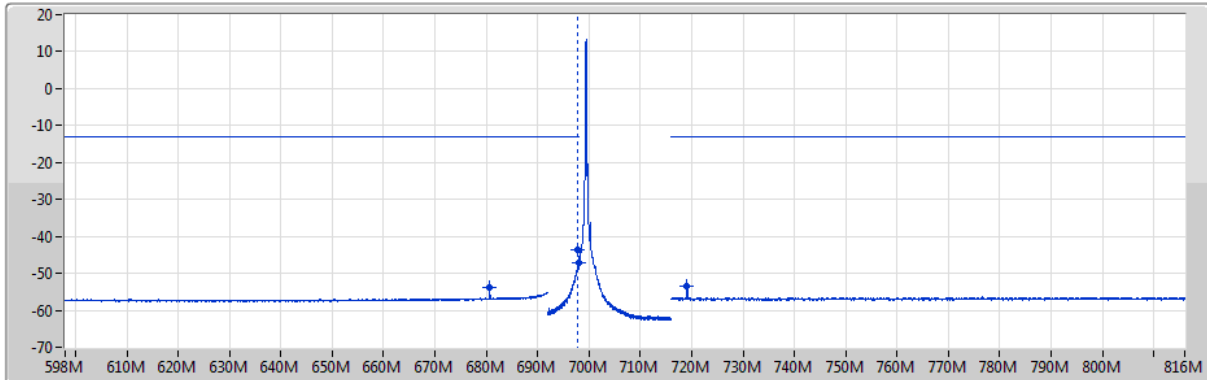
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 695.95M | -53.81 | -13.00 | -40.81 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -34.51 | -13.00 | -21.51 | 1 | - |
| 716.1M | 722M | 30k | 100k | RMS | 716.15M | -31.34 | -13.00 | -18.34 | 1 | MBW 100k |
| 722M | 816M | 100k | 300k | RMS | 734.31M | -55.06 | -13.00 | -42.06 | 1 | - |



Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

700.5MHz_16QAM_RB 1,#RB 0,NB 0



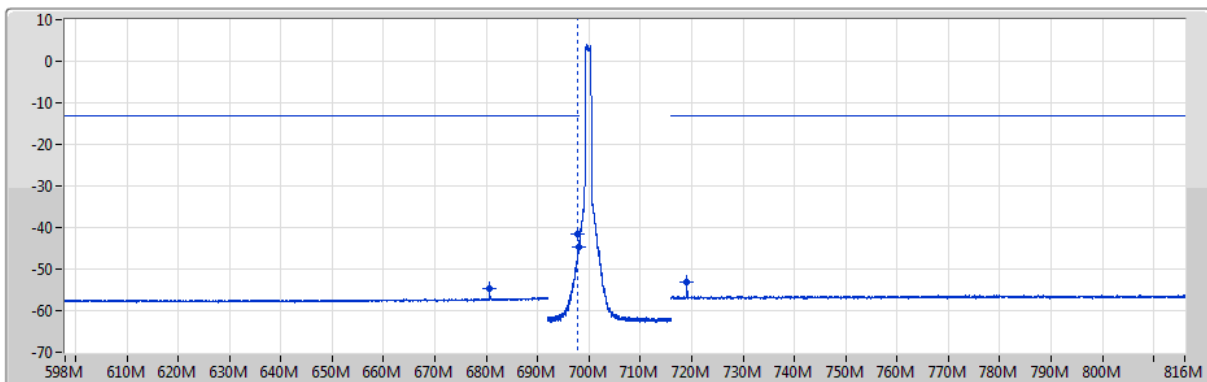
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 692M | 100k | 300k | RMS | 680.67M | -53.90 | -13.00 | -40.90 | 1 | - |
| 692M | 697.9M | 30k | 100k | RMS | 697.85M | -43.46 | -13.00 | -30.46 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 698M | -46.98 | -13.00 | -33.98 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 719.1M | -53.32 | -13.00 | -40.32 | 1 | - |

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

CSE-TX-Port

700.5MHz_16QAM_RB 6,#RB 0,NB 0



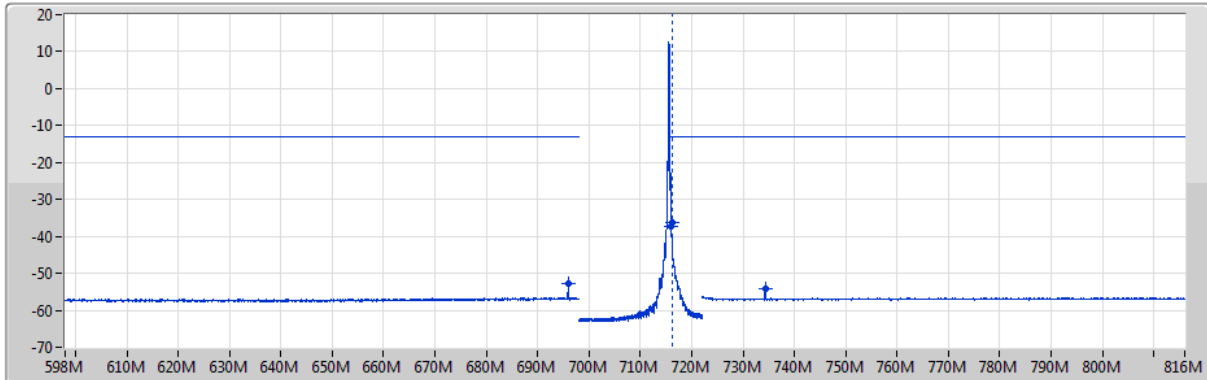
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 692M | 100k | 300k | RMS | 680.67M | -54.68 | -13.00 | -41.68 | 1 | - |
| 692M | 697.9M | 30k | 100k | RMS | 697.85M | -41.45 | -13.00 | -28.45 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 698M | -44.79 | -13.00 | -31.79 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 719.05M | -53.02 | -13.00 | -40.02 | 1 | - |



Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX
714.5MHz_16QAM_RB 1,#RB 5,NB 1

CSE-TX-Port

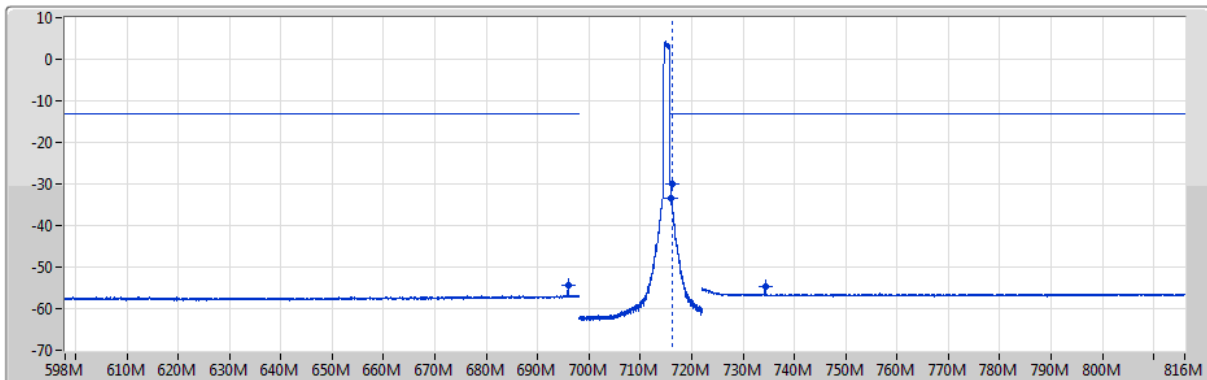


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 695.95M | -52.88 | -13.00 | -39.88 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -37.30 | -13.00 | -24.30 | 1 | - |
| 716.1M | 722M | 30k | 100k | RMS | 716.15M | -36.19 | -13.00 | -23.19 | 1 | MBW 100k |
| 722M | 816M | 100k | 300k | RMS | 734.31M | -54.30 | -13.00 | -41.30 | 1 | - |

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX
714.5MHz_16QAM_RB 6,#RB 0,NB 1

CSE-TX-Port



Port1

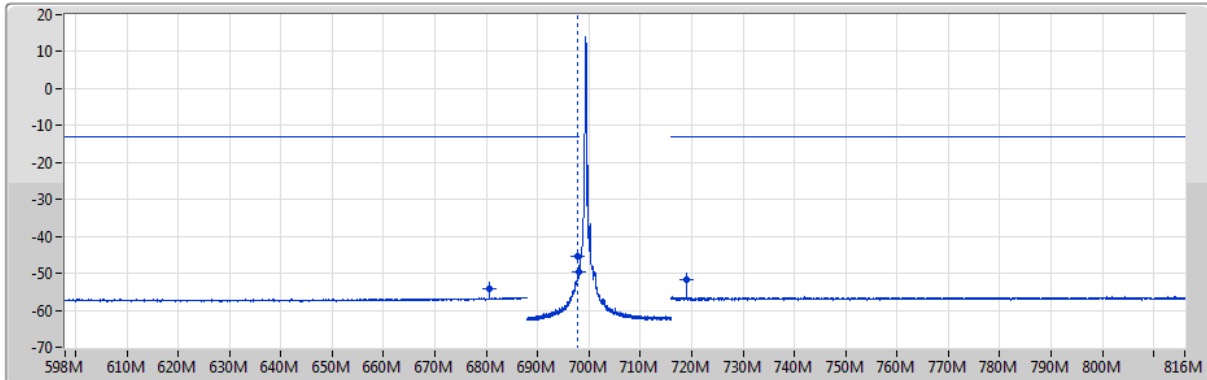
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 695.95M | -54.30 | -13.00 | -41.30 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716.08M | -33.41 | -13.00 | -20.41 | 1 | - |
| 716.1M | 722M | 30k | 100k | RMS | 716.15M | -29.91 | -13.00 | -16.91 | 1 | MBW 100k |
| 722M | 816M | 100k | 300k | RMS | 734.31M | -54.74 | -13.00 | -41.74 | 1 | - |



Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

701.5MHz_QPSK_RB 1,#RB 0,NB 0

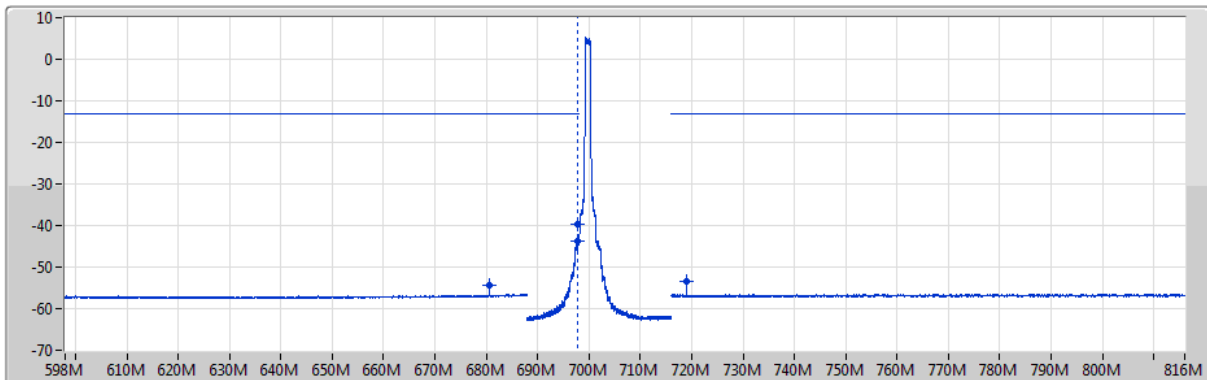


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 688M | 100k | 300k | RMS | 680.62M | -54.19 | -13.00 | -41.19 | 1 | - |
| 688M | 697.9M | 30k | 100k | RMS | 697.85M | -45.43 | -13.00 | -32.43 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 698M | -49.71 | -13.00 | -36.71 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 719M | -51.79 | -13.00 | -38.79 | 1 | - |

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

701.5MHz_QPSK_RB 6,#RB 0,NB 0



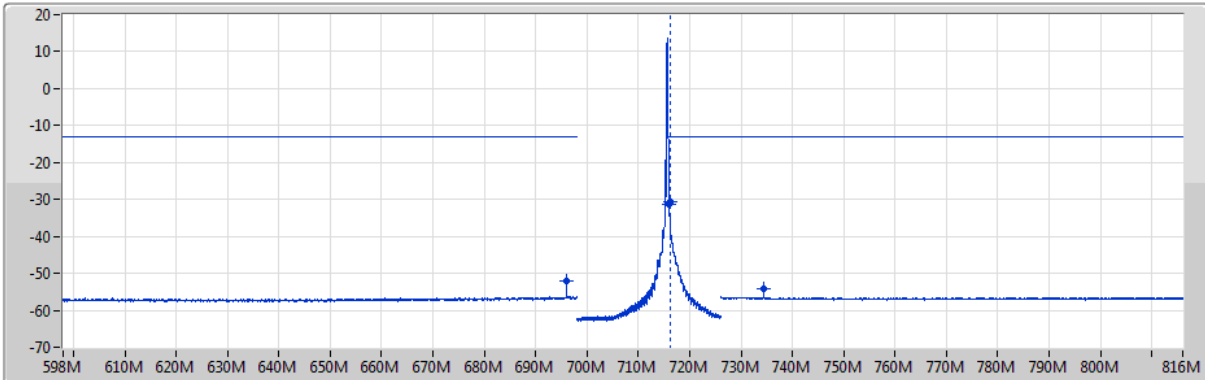
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 688M | 100k | 300k | RMS | 680.58M | -54.22 | -13.00 | -41.22 | 1 | - |
| 688M | 697.9M | 30k | 100k | RMS | 697.85M | -39.56 | -13.00 | -26.56 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 697.9M | -43.68 | -13.00 | -30.68 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 718.95M | -53.46 | -13.00 | -40.46 | 1 | - |



Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

713.5MHz_QPSK_RB 1,#RB 5,NB 3

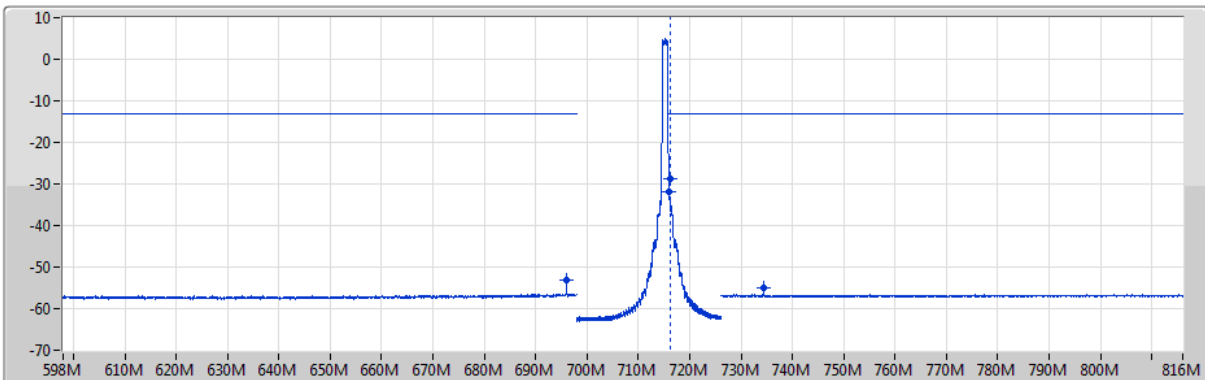


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 696M | -52.03 | -13.00 | -39.03 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -31.49 | -13.00 | -18.49 | 1 | - |
| 716.1M | 726M | 30k | 100k | RMS | 716.15M | -30.68 | -13.00 | -17.68 | 1 | MBW 100k |
| 726M | 816M | 100k | 300k | RMS | 734.42M | -54.17 | -13.00 | -41.17 | 1 | - |

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

713.5MHz_QPSK_RB 6,#RB 0,NB 3



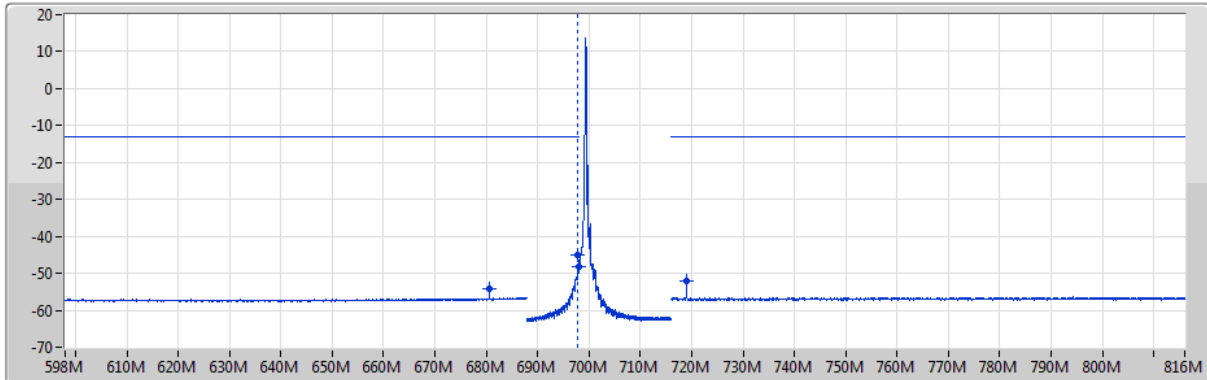
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 696M | -52.99 | -13.00 | -39.99 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -31.89 | -13.00 | -18.89 | 1 | - |
| 716.1M | 726M | 30k | 100k | RMS | 716.15M | -28.64 | -13.00 | -15.64 | 1 | MBW 100k |
| 726M | 816M | 100k | 300k | RMS | 734.42M | -54.98 | -13.00 | -41.98 | 1 | - |



Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

701.5MHz_16QAM_RB 1,#RB 0,NB 0

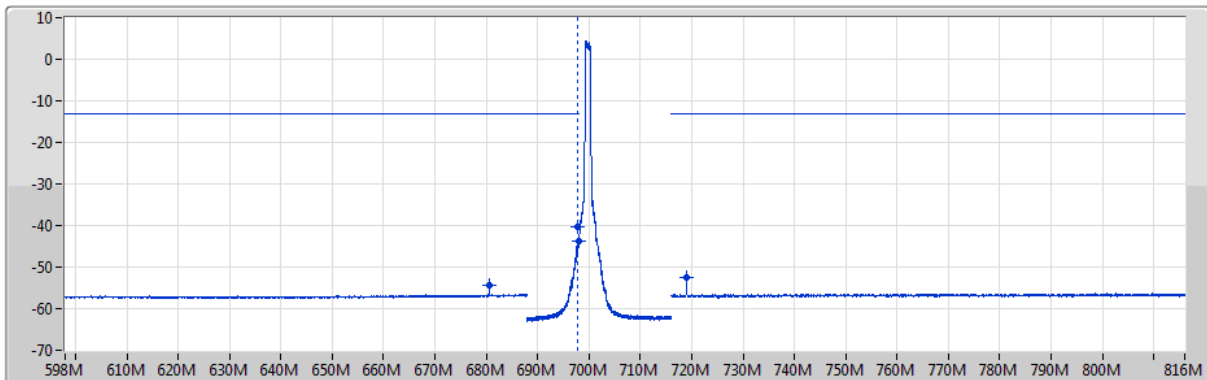


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 688M | 100k | 300k | RMS | 680.62M | -54.06 | -13.00 | -41.06 | 1 | - |
| 688M | 697.9M | 30k | 100k | RMS | 697.85M | -44.93 | -13.00 | -31.93 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 697.98M | -48.27 | -13.00 | -35.27 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 719M | -51.96 | -13.00 | -38.96 | 1 | - |

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

701.5MHz_16QAM_RB 6,#RB 0,NB 0

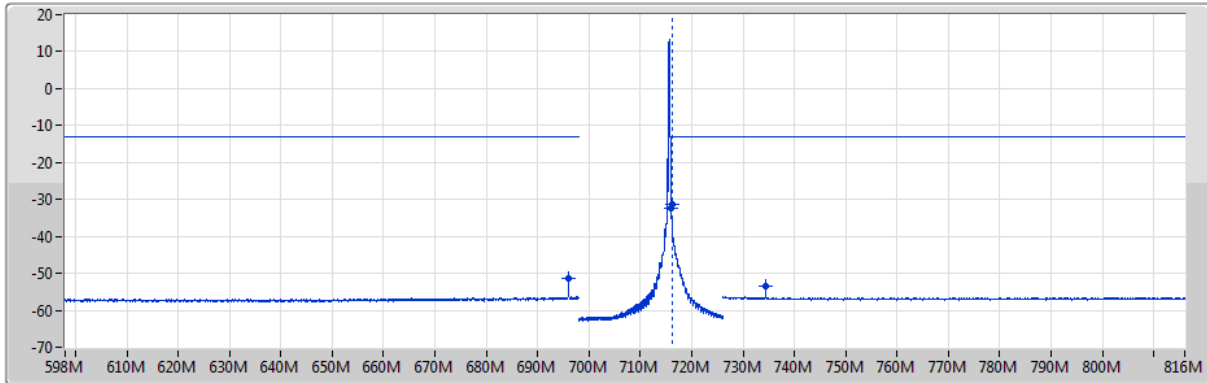


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 688M | 100k | 300k | RMS | 680.58M | -54.25 | -13.00 | -41.25 | 1 | - |
| 688M | 697.9M | 30k | 100k | RMS | 697.85M | -40.22 | -13.00 | -27.22 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 697.98M | -43.79 | -13.00 | -30.79 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 719M | -52.57 | -13.00 | -39.57 | 1 | - |



Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX
713.5MHz_16QAM_RB 1,#RB 5,NB 3

CSE-TX-Port

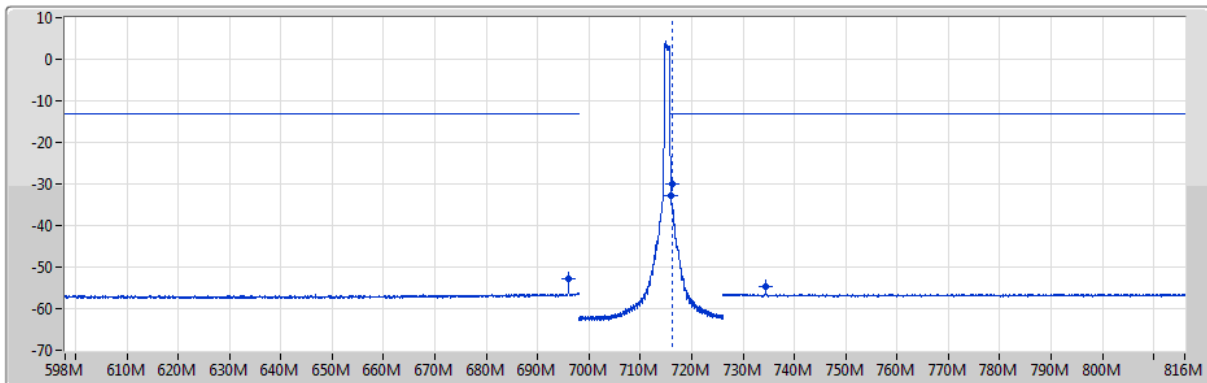


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 696M | -51.42 | -13.00 | -38.42 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -32.28 | -13.00 | -19.28 | 1 | - |
| 716.1M | 726M | 30k | 100k | RMS | 716.15M | -31.50 | -13.00 | -18.50 | 1 | MBW 100k |
| 726M | 816M | 100k | 300k | RMS | 734.42M | -53.63 | -13.00 | -40.63 | 1 | - |

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX
713.5MHz_16QAM_RB 6,#RB 0,NB 3

CSE-TX-Port



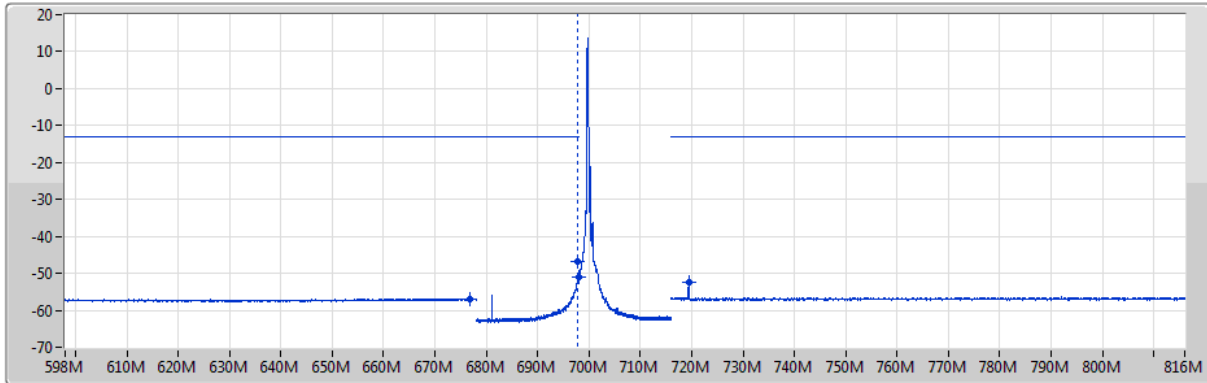
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 696M | -52.72 | -13.00 | -39.72 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -32.95 | -13.00 | -19.95 | 1 | - |
| 716.1M | 726M | 30k | 100k | RMS | 716.15M | -29.88 | -13.00 | -16.88 | 1 | MBW 100k |
| 726M | 816M | 100k | 300k | RMS | 734.42M | -54.59 | -13.00 | -41.59 | 1 | - |



Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
704MHz_QPSK_RB 1,#RB 0,NB 0

CSE-TX-Port

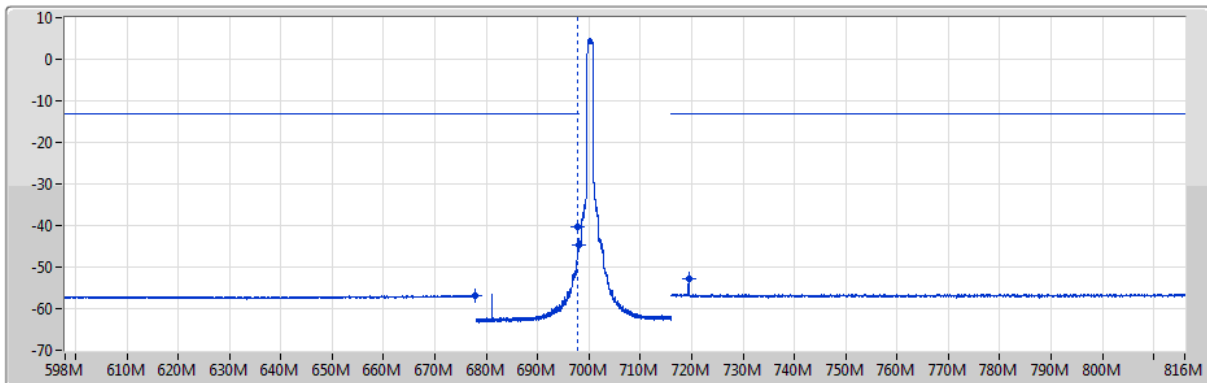


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 678M | 100k | 300k | RMS | 676.88M | -56.88 | -13.00 | -43.88 | 1 | - |
| 678M | 697.9M | 30k | 100k | RMS | 697.85M | -46.90 | -13.00 | -33.90 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 697.99M | -51.15 | -13.00 | -38.15 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 719.45M | -52.46 | -13.00 | -39.46 | 1 | - |

Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
704MHz_QPSK_RB 6,#RB 0,NB 0

CSE-TX-Port



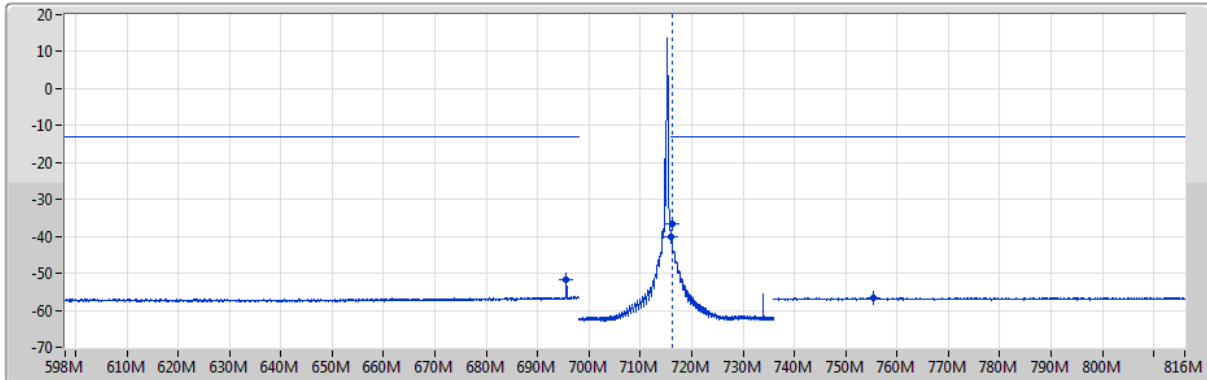
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 678M | 100k | 300k | RMS | 677.76M | -56.81 | -13.00 | -43.81 | 1 | - |
| 678M | 697.9M | 30k | 100k | RMS | 697.85M | -40.31 | -13.00 | -27.31 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 697.98M | -44.70 | -13.00 | -31.70 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 719.4M | -52.72 | -13.00 | -39.72 | 1 | - |



Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
711MHz_QPSK_RB 1,#RB 5,NB 7

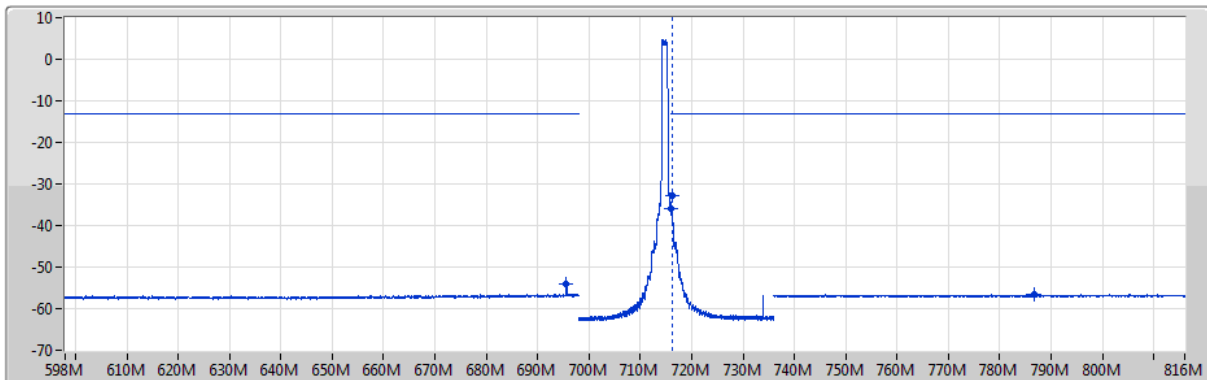
CSE-TX-Port



| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 695.6M | -51.72 | -13.00 | -38.72 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -39.98 | -13.00 | -26.98 | 1 | - |
| 716.1M | 736M | 30k | 100k | RMS | 716.15M | -36.53 | -13.00 | -23.53 | 1 | MBW 100k |
| 736M | 816M | 100k | 300k | RMS | 755.44M | -56.63 | -13.00 | -43.63 | 1 | - |

Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
711MHz_QPSK_RB 6,#RB 0,NB 7

CSE-TX-Port

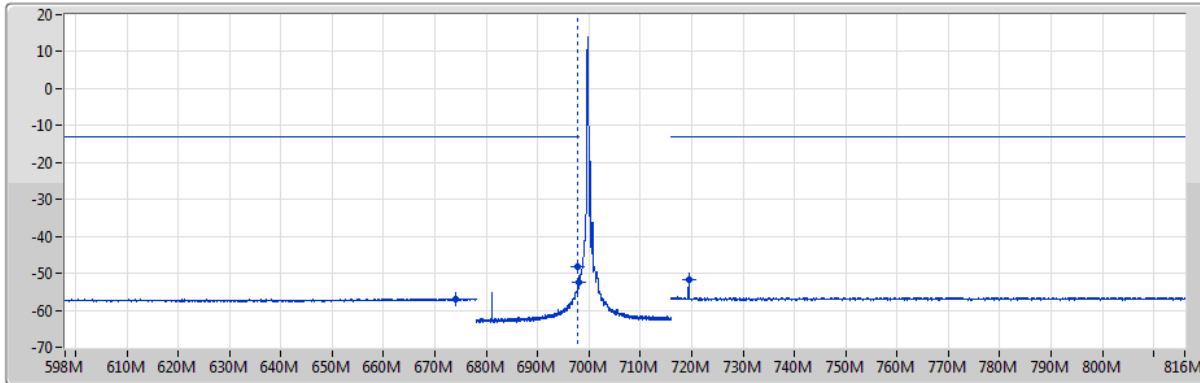


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 695.6M | -53.91 | -13.00 | -40.91 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -36.05 | -13.00 | -23.05 | 1 | - |
| 716.1M | 736M | 30k | 100k | RMS | 716.15M | -32.68 | -13.00 | -19.68 | 1 | MBW 100k |
| 736M | 816M | 100k | 300k | RMS | 786.6M | -56.63 | -13.00 | -43.63 | 1 | - |



Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
704MHz_16QAM_RB 1,#RB 0,NB 0

CSE-TX-Port

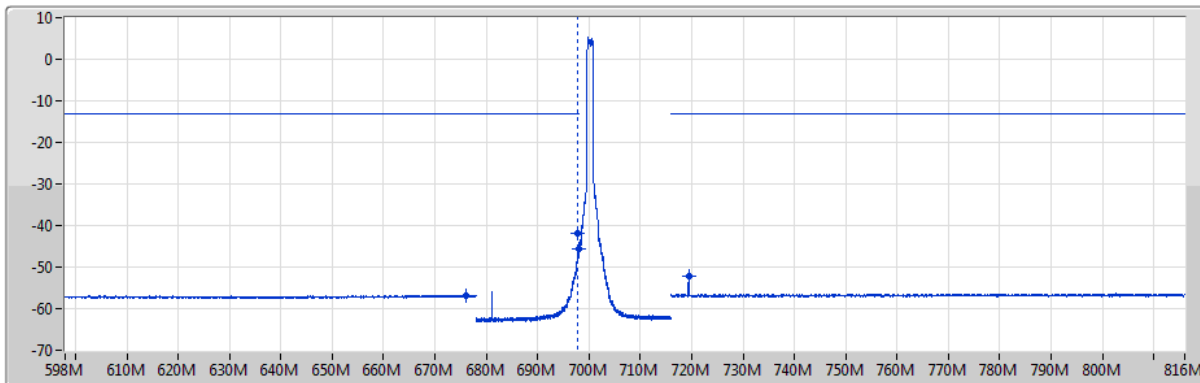


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 678M | 100k | 300k | RMS | 674M | -56.90 | -13.00 | -43.90 | 1 | - |
| 678M | 697.9M | 30k | 100k | RMS | 697.85M | -48.12 | -13.00 | -35.12 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 697.92M | -52.33 | -13.00 | -39.33 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 719.4M | -51.67 | -13.00 | -38.67 | 1 | - |

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
704MHz_16QAM_RB 6,#RB 0,NB 0

CSE-TX-Port



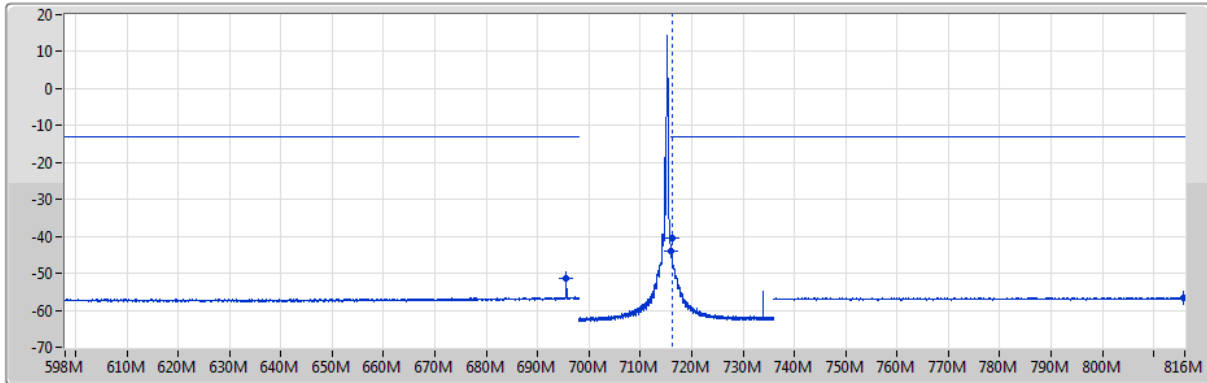
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 678M | 100k | 300k | RMS | 676M | -56.77 | -13.00 | -43.77 | 1 | - |
| 678M | 697.9M | 30k | 100k | RMS | 697.85M | -41.87 | -13.00 | -28.87 | 1 | MBW 100k |
| 697.9M | 698M | 30k | 100k | RMS | 697.98M | -45.67 | -13.00 | -32.67 | 1 | - |
| 716M | 816M | 100k | 300k | RMS | 719.4M | -52.20 | -13.00 | -39.20 | 1 | - |



Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
711MHz_16QAM_RB 1,#RB 5,NB 7

CSE-TX-Port

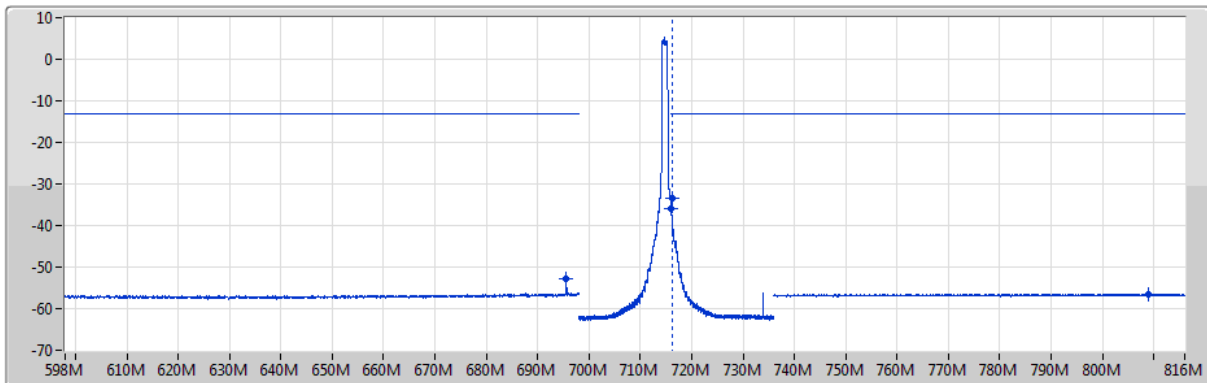


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 695.55M | -51.38 | -13.00 | -38.38 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -43.84 | -13.00 | -30.84 | 1 | - |
| 716.1M | 736M | 30k | 100k | RMS | 716.15M | -40.64 | -13.00 | -27.64 | 1 | MBW 100k |
| 736M | 816M | 100k | 300k | RMS | 815.84M | -56.56 | -13.00 | -43.56 | 1 | - |

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
711MHz_16QAM_RB 6,#RB 0,NB 7

CSE-TX-Port



Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 598M | 698M | 100k | 300k | RMS | 695.6M | -52.79 | -13.00 | -39.79 | 1 | - |
| 716M | 716.1M | 30k | 100k | RMS | 716M | -35.91 | -13.00 | -22.91 | 1 | - |
| 716.1M | 736M | 30k | 100k | RMS | 716.15M | -33.59 | -13.00 | -20.59 | 1 | MBW 100k |
| 736M | 816M | 100k | 300k | RMS | 808.92M | -56.43 | -13.00 | -43.43 | 1 | - |



Summary

| Mode | Max-NdB (Hz) | Max-OBW (Hz) | ITU-Code | Min-NdB (Hz) | Min-OBW (Hz) |
|------------------------------|-----------------|-----------------|----------|-----------------|-----------------|
| Band 12 | - | - | - | - | - |
| LTE-M1_1.4MHz_Nss1,QPSK_1TX | 1.253M | 1.082M | 1M08G7D | 1.251M | 1.079M |
| LTE-M1_1.4MHz_Nss1,16QAM_1TX | 1.229M | 1.081M | 1M08W7D | 1.208M | 1.076M |
| LTE-M1_3MHz_Nss1,QPSK_1TX | 1.241M | 1.08M | 1M08G7D | 1.223M | 1.078M |
| LTE-M1_3MHz_Nss1,16QAM_1TX | 1.241M | 1.081M | 1M08W7D | 1.226M | 1.08M |
| LTE-M1_5MHz_Nss1,QPSK_1TX | 1.269M | 1.086M | 1M09G7D | 1.238M | 1.083M |
| LTE-M1_5MHz_Nss1,16QAM_1TX | 1.263M | 1.092M | 1M09W7D | 1.256M | 1.082M |
| LTE-M1_10MHz_Nss1,QPSK_1TX | 1.25M | 1.09M | 1M09G7D | 1.225M | 1.085M |
| LTE-M1_10MHz_Nss1,16QAM_1TX | 1.263M | 1.098M | 1M10W7D | 1.263M | 1.087M |

Max-N dB = Maximum 26dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;

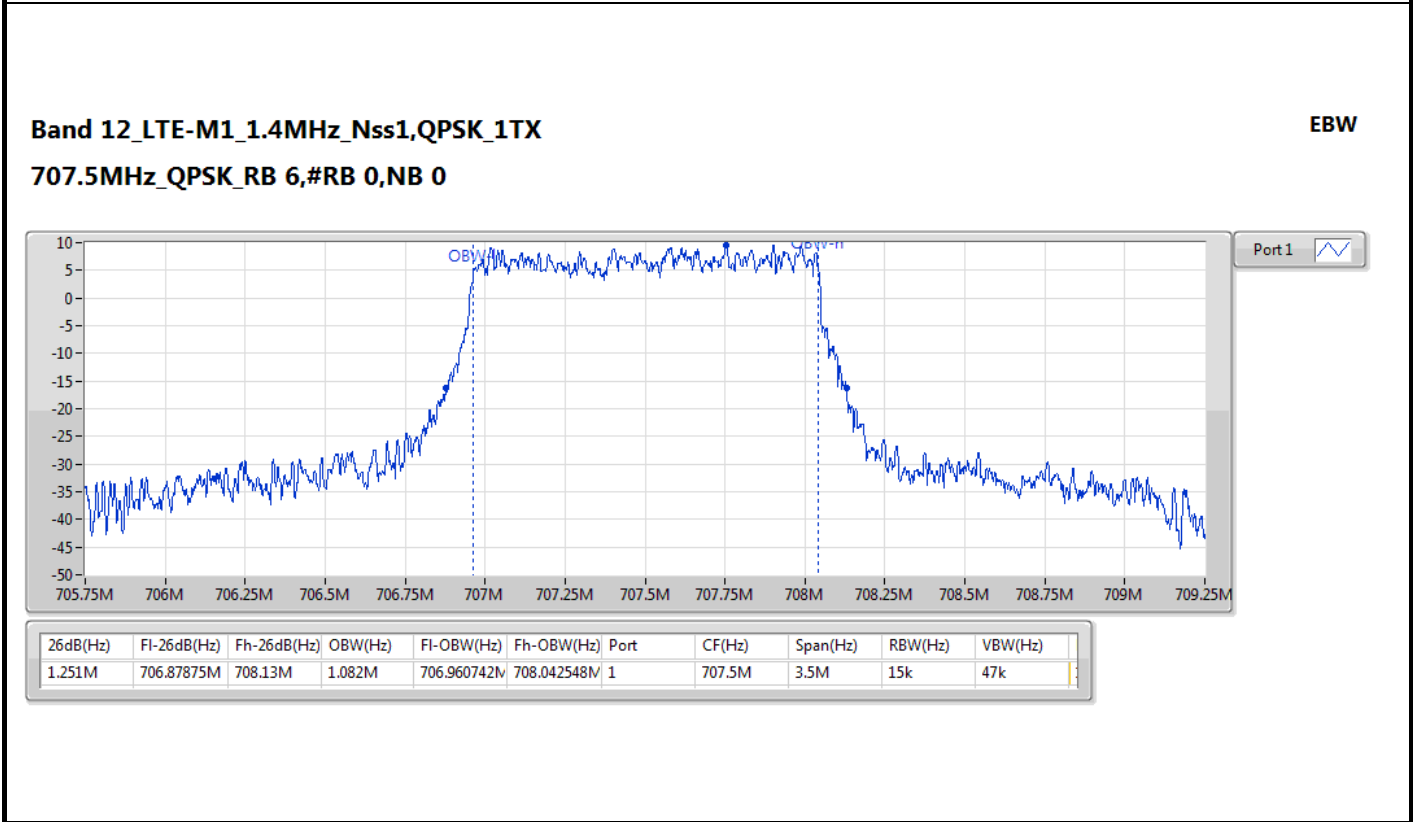
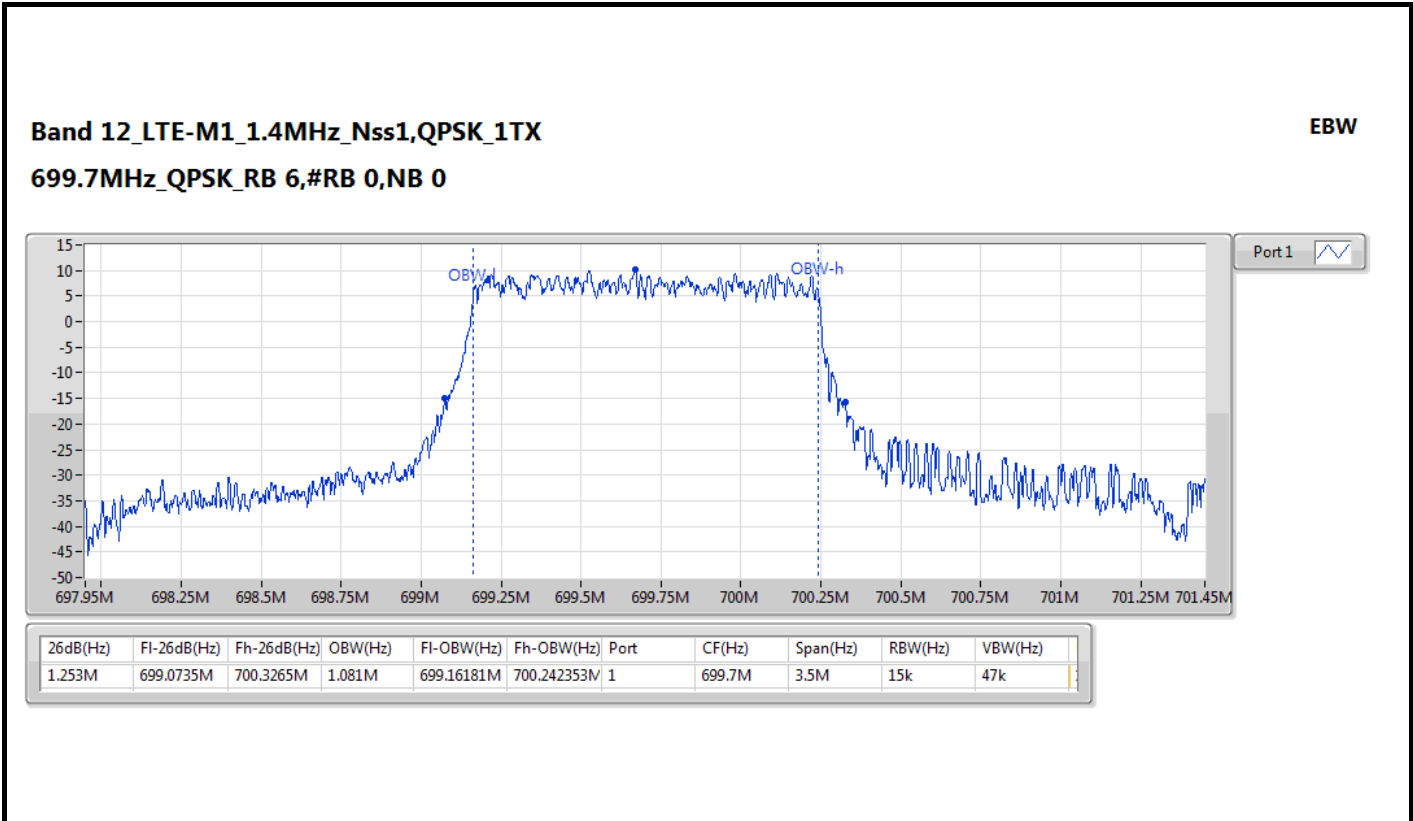
Min-N dB = Minimum 26dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth;



Result

| Mode | Result | Limit (Hz) | Port 1-NdB (Hz) | Port 1-OBW (Hz) |
|--------------------------------|--------|------------|-----------------|-----------------|
| Band 12_LTE-M1_1.4MHz_Nss1_1TX | - | - | - | - |
| 699.7MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | Inf | 1.253M | 1.081M |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | Inf | 1.251M | 1.082M |
| 715.3MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | Inf | 1.251M | 1.079M |
| 699.7MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | Inf | 1.208M | 1.081M |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | Inf | 1.229M | 1.076M |
| 715.3MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | Inf | 1.213M | 1.078M |
| Band 12_LTE-M1_3MHz_Nss1_1TX | - | - | - | - |
| 700.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | Inf | 1.241M | 1.078M |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | Inf | 1.234M | 1.08M |
| 714.5MHz_QPSK_RB 6,#RB 0,NB 1 | Pass | Inf | 1.223M | 1.078M |
| 700.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | Inf | 1.241M | 1.08M |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | Inf | 1.226M | 1.08M |
| 714.5MHz_16QAM_RB 6,#RB 0,NB 1 | Pass | Inf | 1.23M | 1.081M |
| Band 12_LTE-M1_5MHz_Nss1_1TX | - | - | - | - |
| 701.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | Inf | 1.269M | 1.085M |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | Inf | 1.238M | 1.083M |
| 713.5MHz_QPSK_RB 6,#RB 0,NB 3 | Pass | Inf | 1.256M | 1.086M |
| 701.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | Inf | 1.256M | 1.092M |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | Inf | 1.263M | 1.091M |
| 713.5MHz_16QAM_RB 6,#RB 0,NB 3 | Pass | Inf | 1.256M | 1.082M |
| Band 12_LTE-M1_10MHz_Nss1_1TX | - | - | - | - |
| 704MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | Inf | 1.225M | 1.085M |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | Inf | 1.238M | 1.09M |
| 711MHz_QPSK_RB 6,#RB 0,NB 7 | Pass | Inf | 1.25M | 1.086M |
| 704MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | Inf | 1.263M | 1.098M |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | Inf | 1.263M | 1.096M |
| 711MHz_16QAM_RB 6,#RB 0,NB 7 | Pass | Inf | 1.263M | 1.087M |

Port X-N dB = Port X 26dB down bandwidth; Port X-OBW = Port X 99% occupied bandwidth;

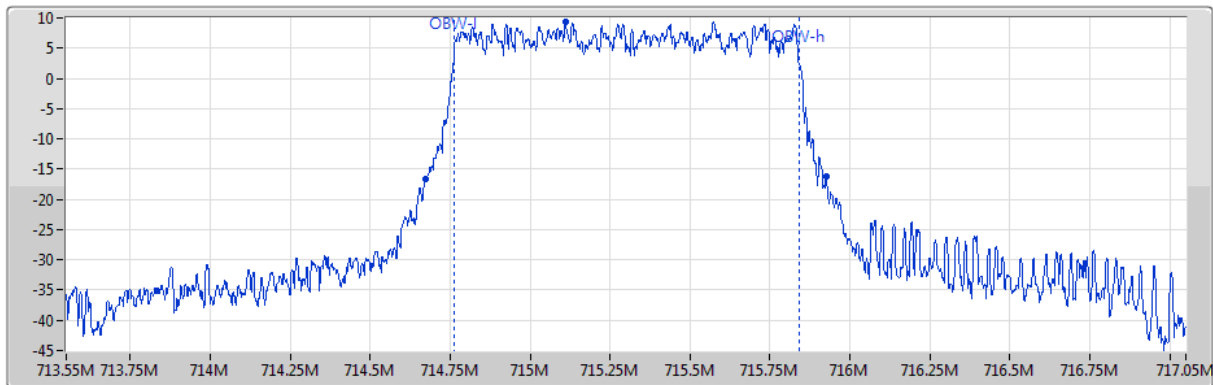




Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX

EBW

715.3MHz_QPSK_RB 6,#RB 0,NB 0

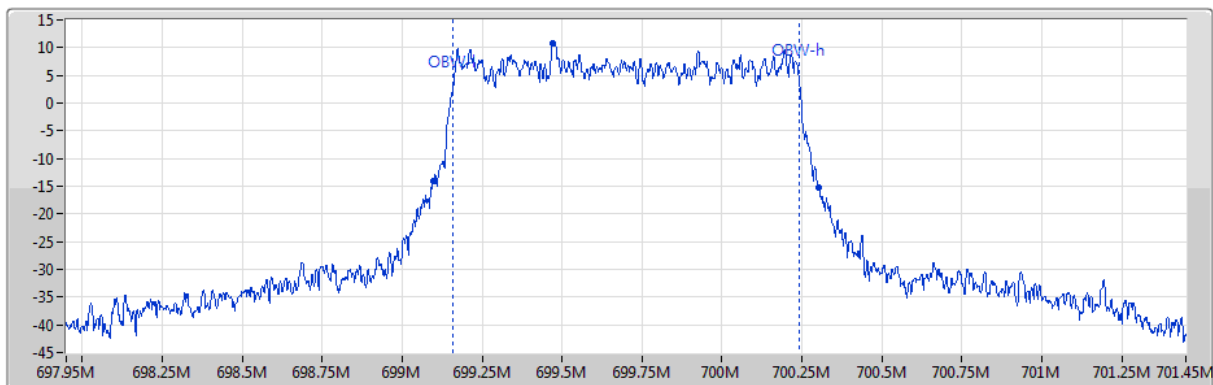


| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.251M | 714.67525M | 715.9265M | 1.079M | 714.762262M | 715.840775M | 1 | 715.3M | 3.5M | 15k | 47k |

Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX

EBW

699.7MHz_16QAM_RB 6,#RB 0,NB 0

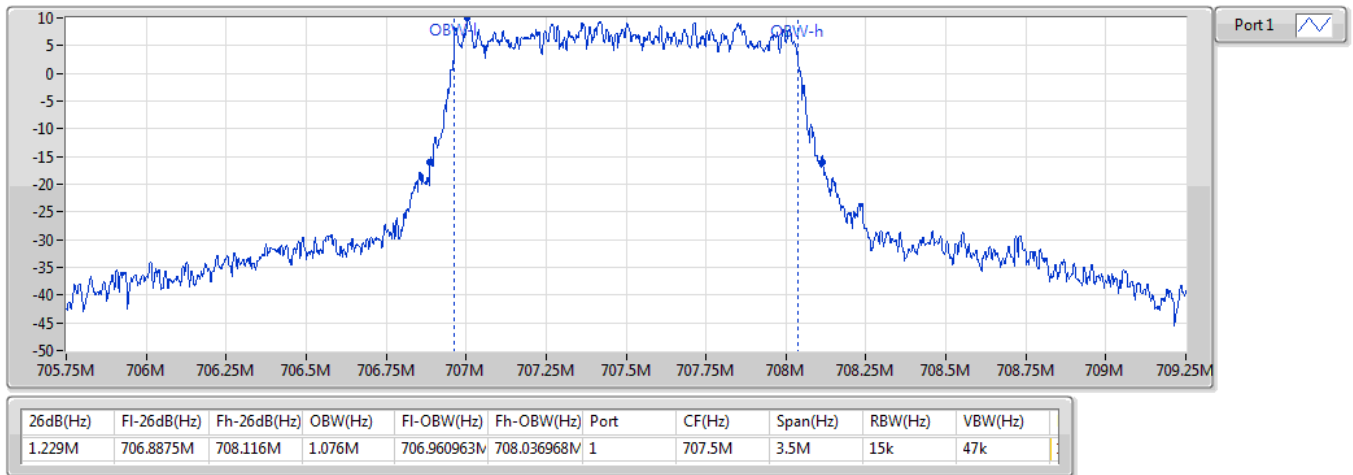


| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.208M | 699.09625M | 700.30375M | 1.081M | 699.159688M | 700.240676M | 1 | 699.7M | 3.5M | 15k | 47k |



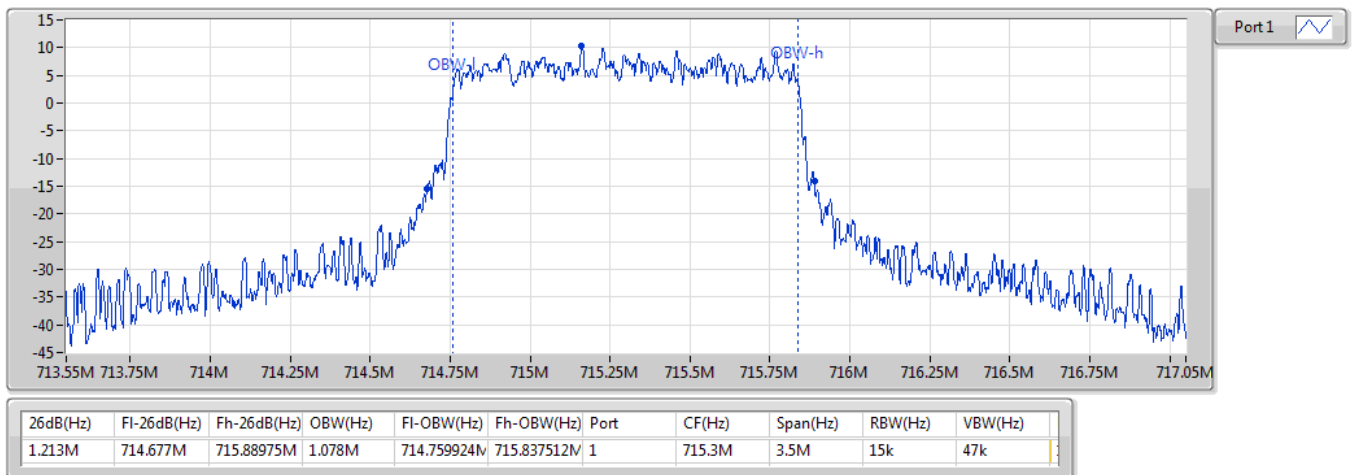
Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX
707.5MHz_16QAM_RB 6,#RB 0,NB 0

EBW



Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX
715.3MHz_16QAM_RB 6,#RB 0,NB 0

EBW

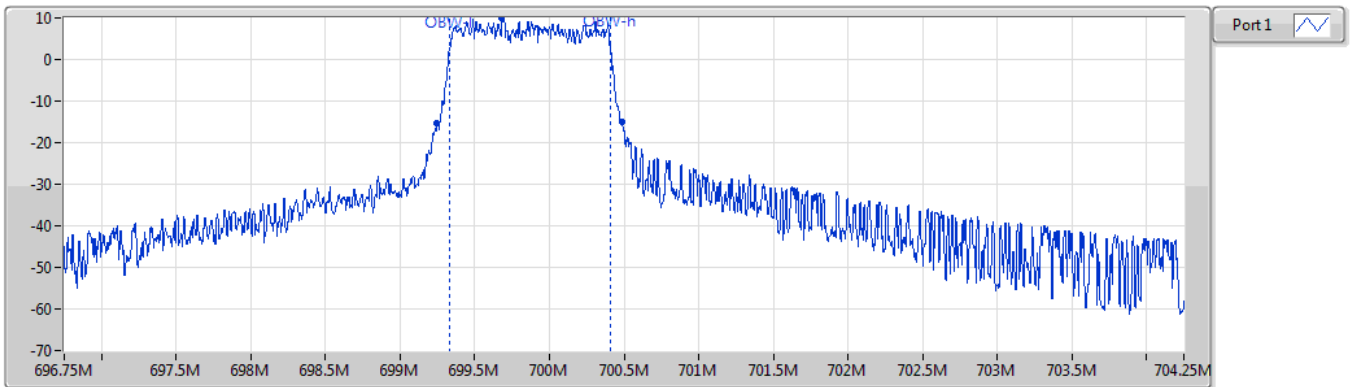




Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

EBW

700.5MHz_QPSK_RB 6,#RB 0,NB 0

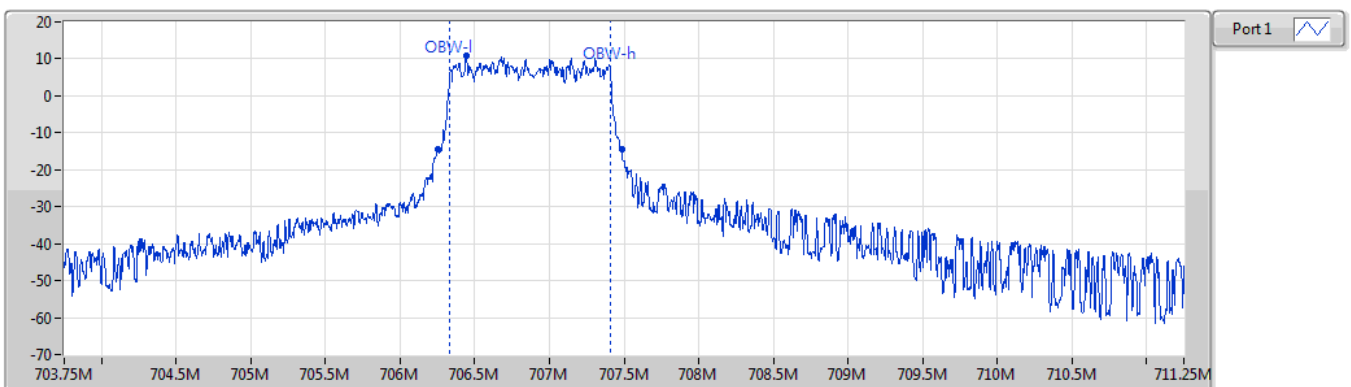


| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.241M | 699.2475M | 700.48875M | 1.078M | 699.330725M | 700.409219M | 1 | 700.5M | 7.5M | 15k | 47k |

Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

EBW

707.5MHz_QPSK_RB 6,#RB 0,NB 0



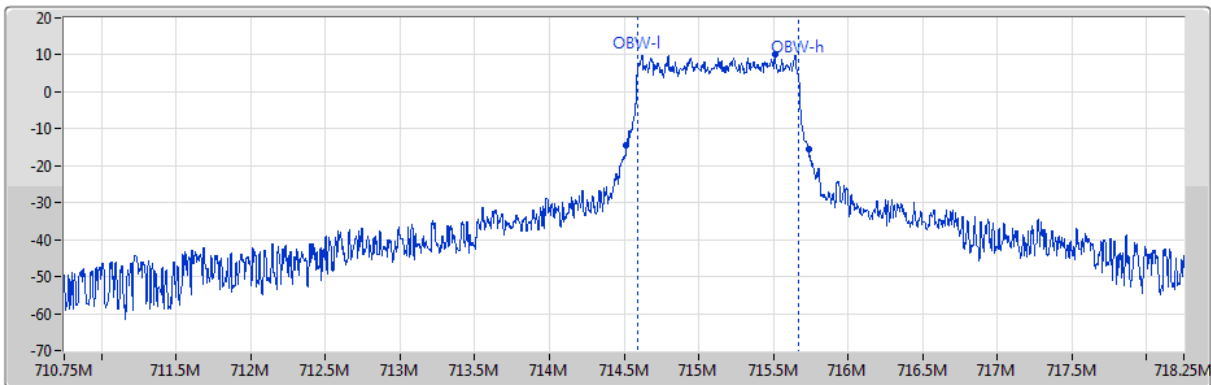
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.234M | 706.25125M | 707.485M | 1.08M | 706.332169M | 707.411775M | 1 | 707.5M | 7.5M | 15k | 47k |



Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX

EBW

714.5MHz_QPSK_RB 6,#RB 0,NB 1

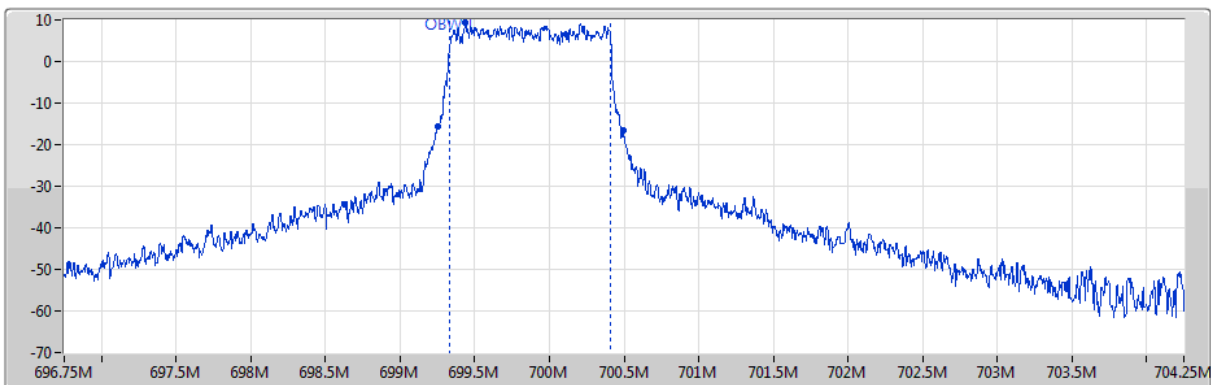


| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.223M | 714.515M | 715.7375M | 1.078M | 714.589493M | 715.667944M | 1 | 714.5M | 7.5M | 15k | 47k |

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX

EBW

700.5MHz_16QAM_RB 6,#RB 0,NB 0

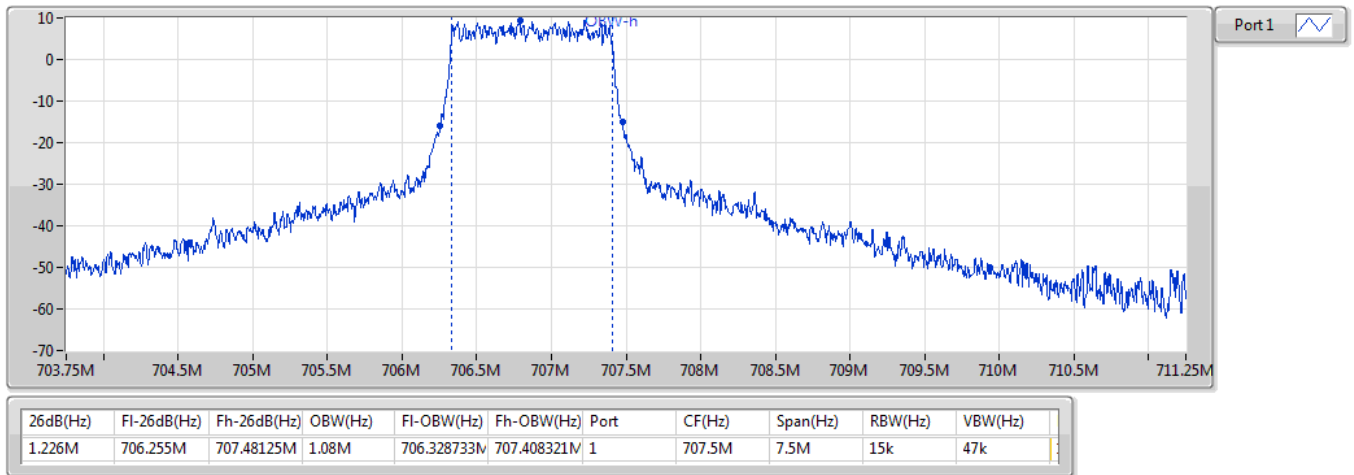


| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.241M | 699.25125M | 700.4925M | 1.08M | 699.330069M | 700.409599M | 1 | 700.5M | 7.5M | 15k | 47k |



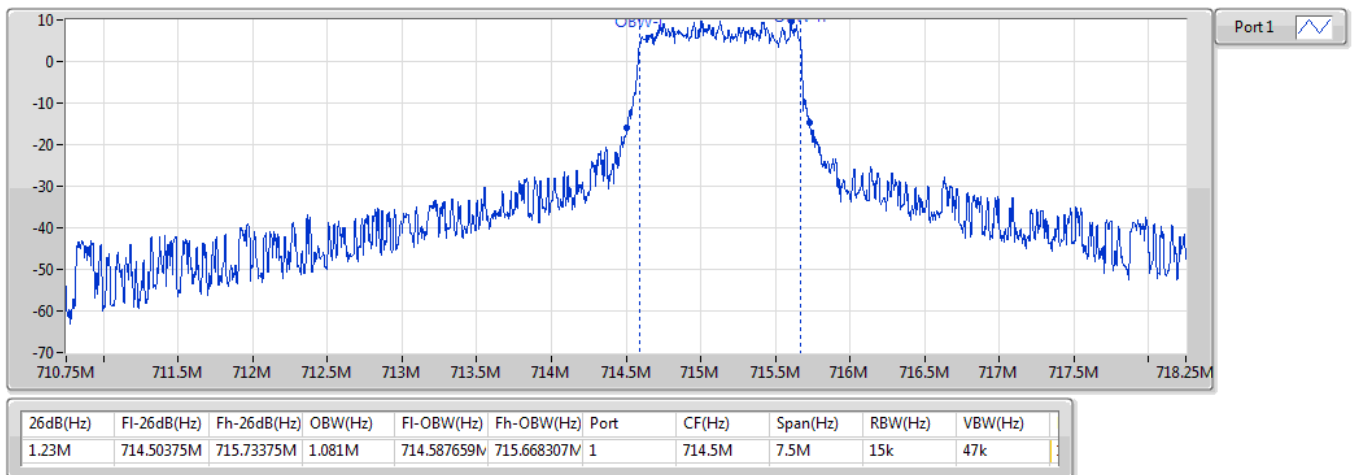
Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX
707.5MHz_16QAM_RB 6,#RB 0,NB 0

EBW



Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX
714.5MHz_16QAM_RB 6,#RB 0,NB 1

EBW

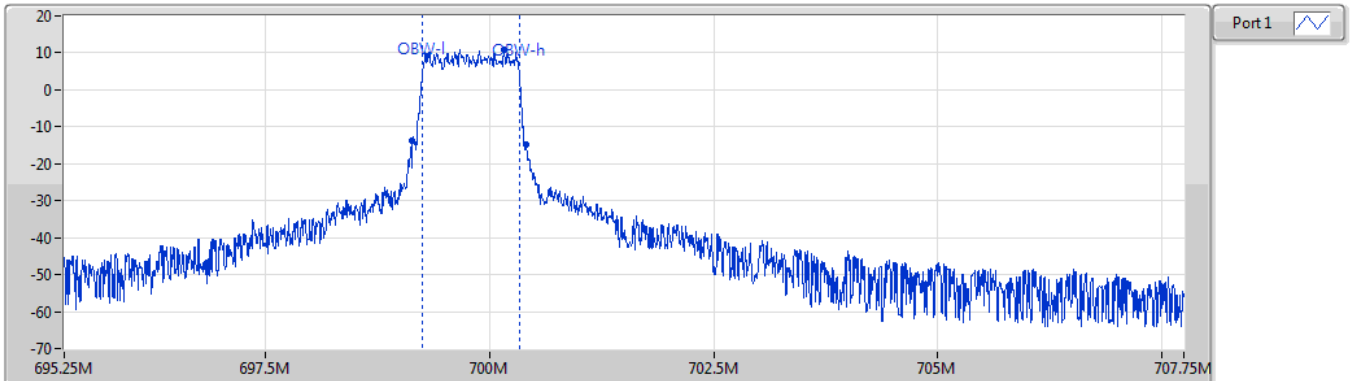




Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

EBW

701.5MHz_QPSK_RB 6,#RB 0,NB 0

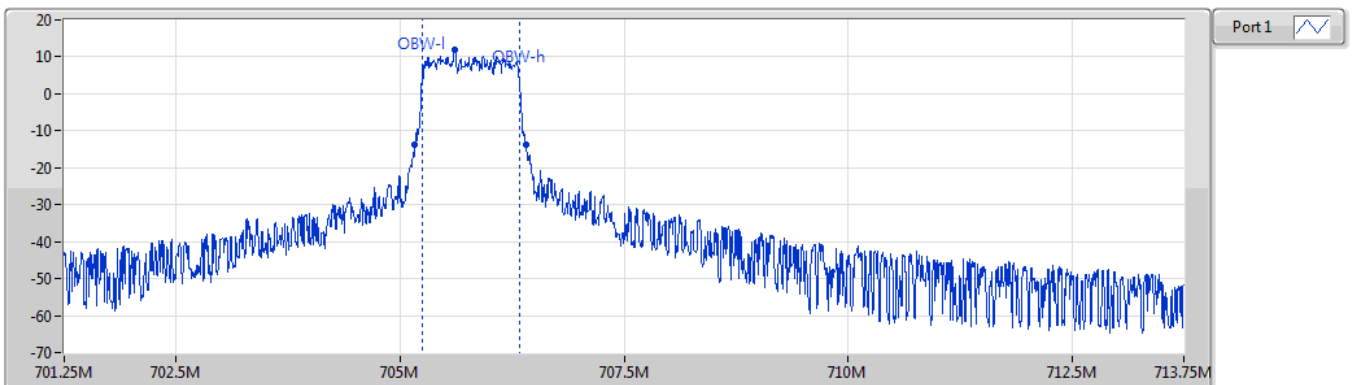


| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|------------|------|--------|----------|---------|---------|
| 1.269M | 699.1375M | 700.40625M | 1.085M | 699.244836M | 700.32936M | 1 | 701.5M | 12.5M | 15k | 47k |

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

EBW

707.5MHz_QPSK_RB 6,#RB 0,NB 0



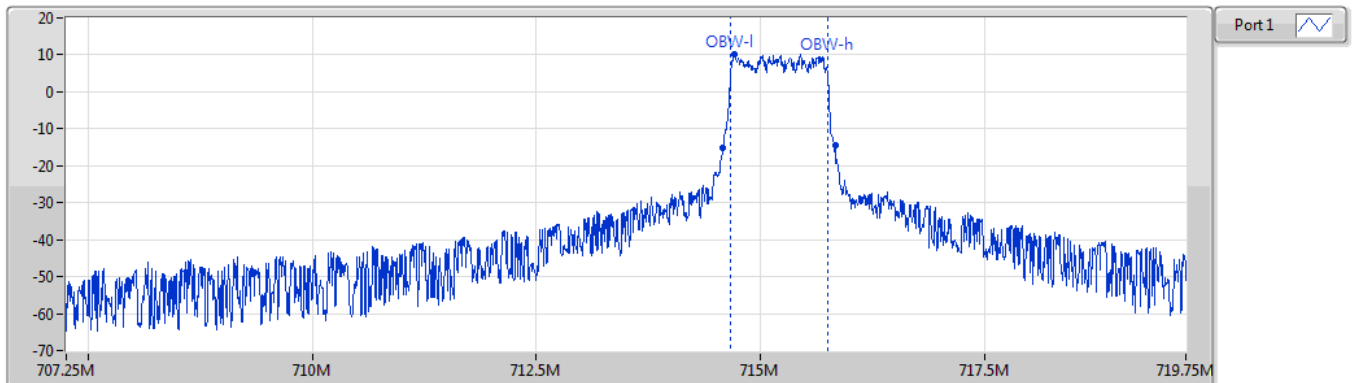
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.238M | 705.1625M | 706.4M | 1.083M | 705.245125M | 706.328437M | 1 | 707.5M | 12.5M | 15k | 47k |



Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX

EBW

713.5MHz_QPSK_RB 6,#RB 0,NB 3

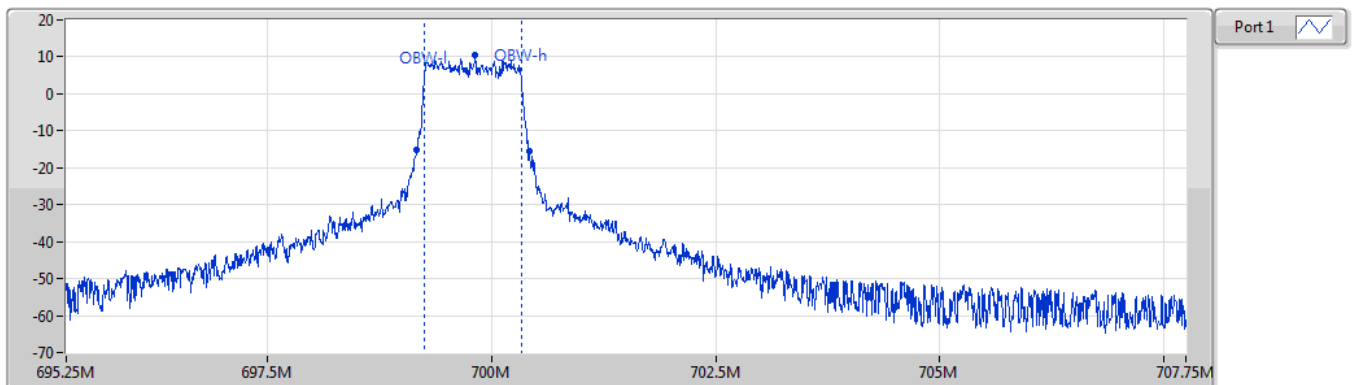


| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.256M | 714.58125M | 715.8375M | 1.086M | 714.666674M | 715.752472M | 1 | 713.5M | 12.5M | 15k | 47k |

Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX

EBW

701.5MHz_16QAM_RB 6,#RB 0,NB 0

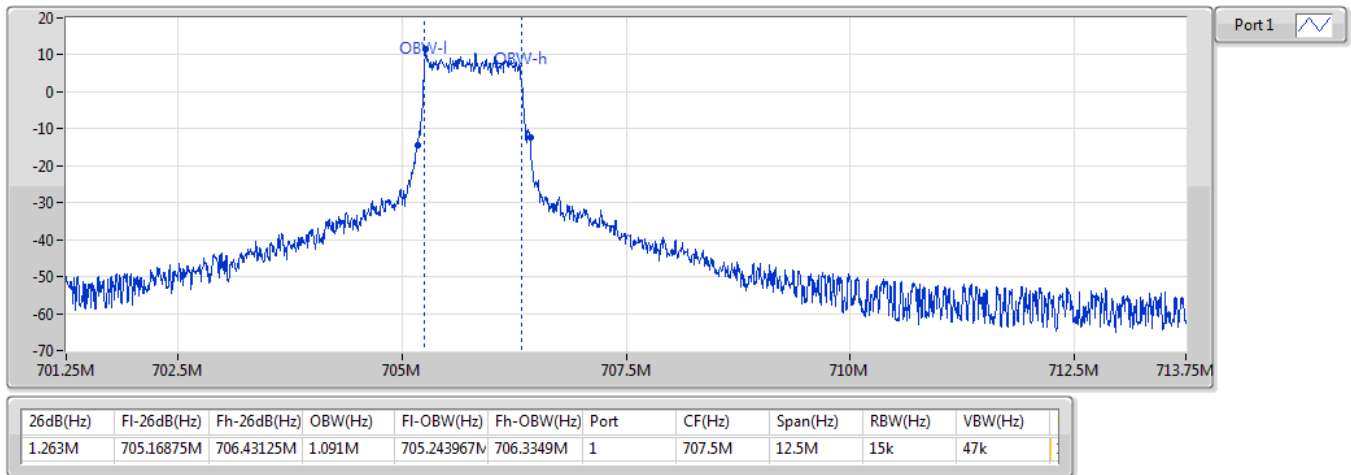


| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.256M | 699.1625M | 700.41875M | 1.092M | 699.243609M | 700.335579M | 1 | 701.5M | 12.5M | 15k | 47k |



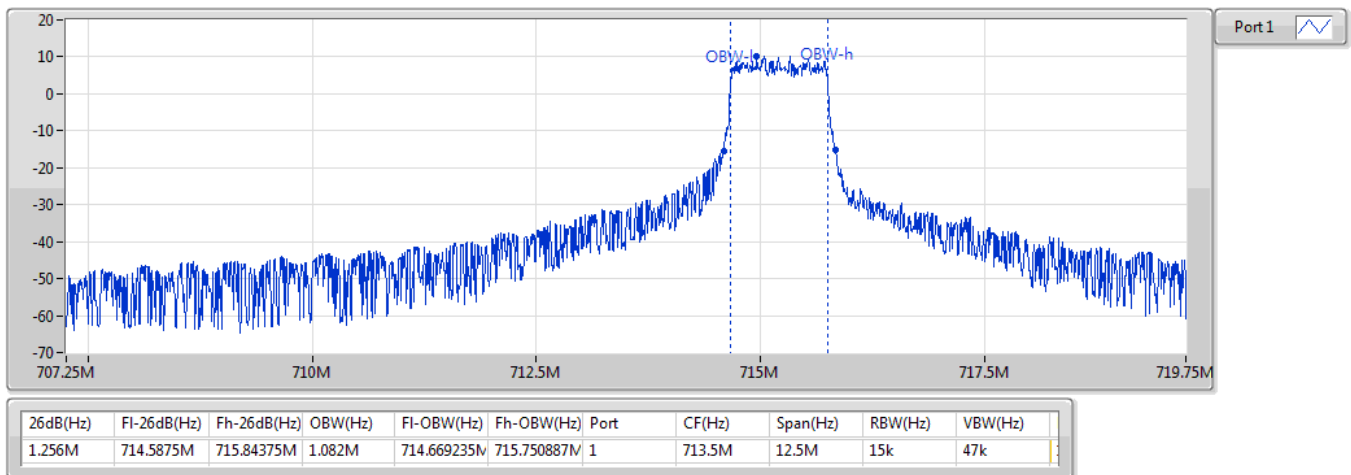
Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX
707.5MHz_16QAM_RB 6,#RB 0,NB 0

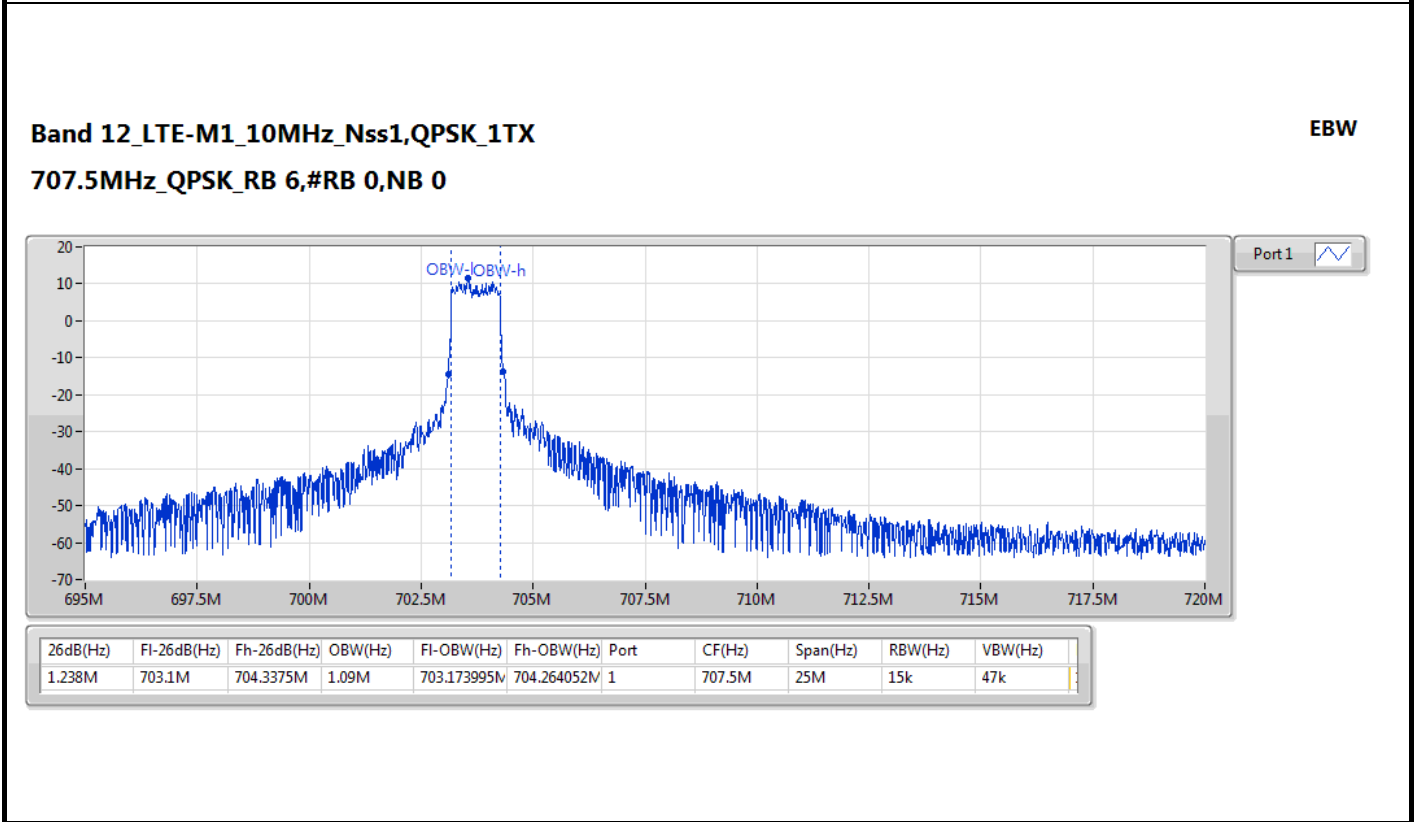
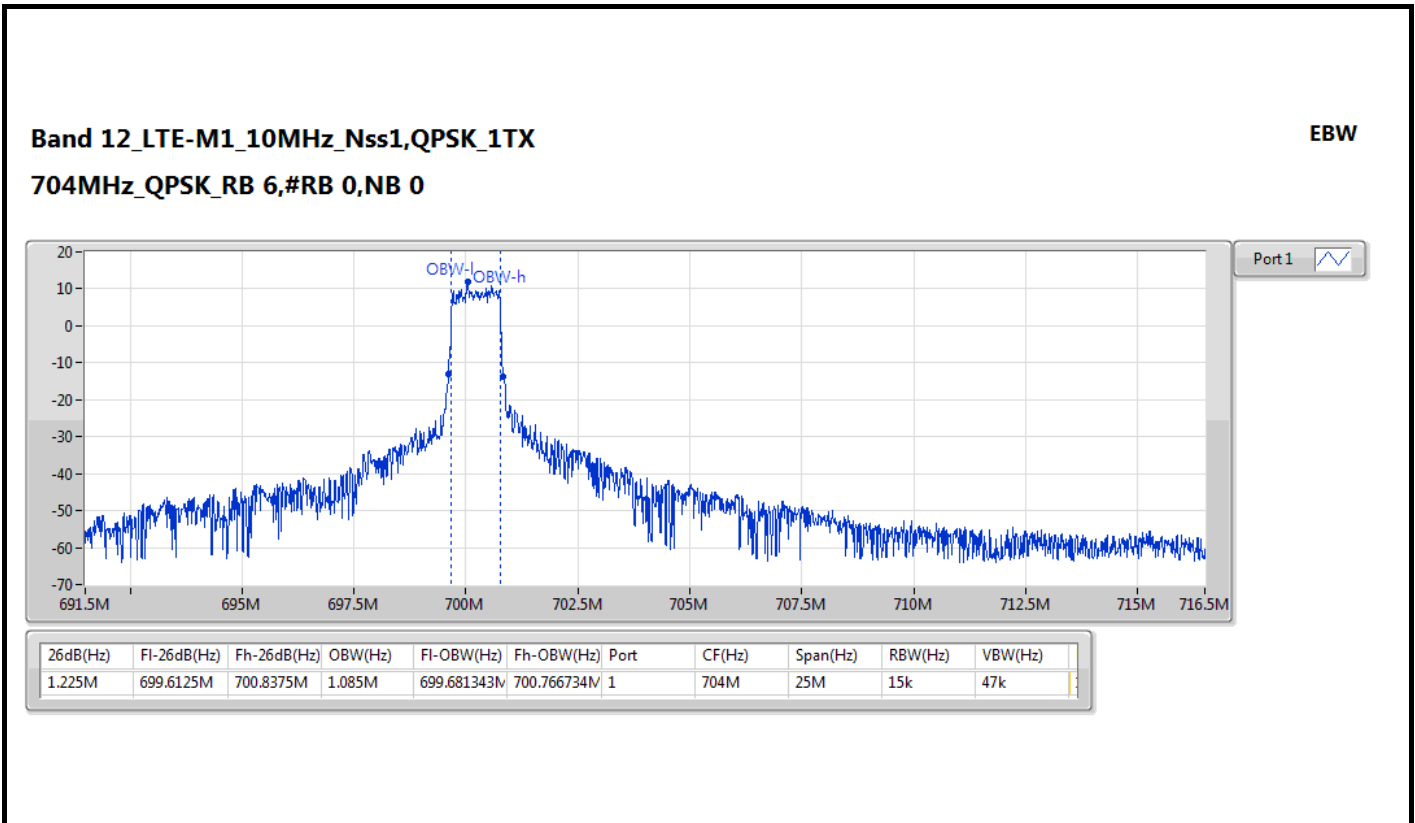
EBW



Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX
713.5MHz_16QAM_RB 6,#RB 0,NB 3

EBW

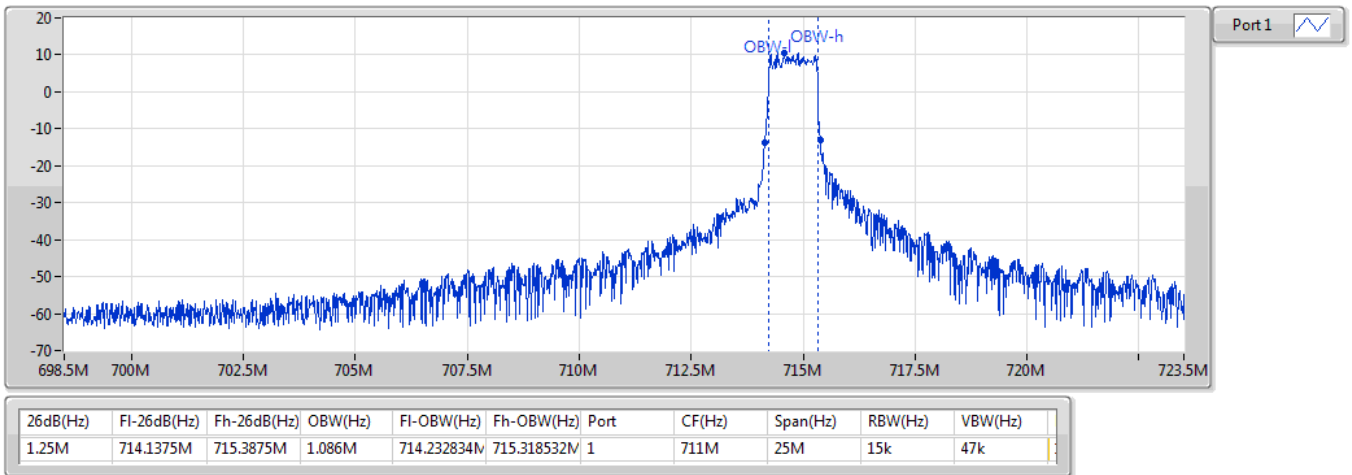






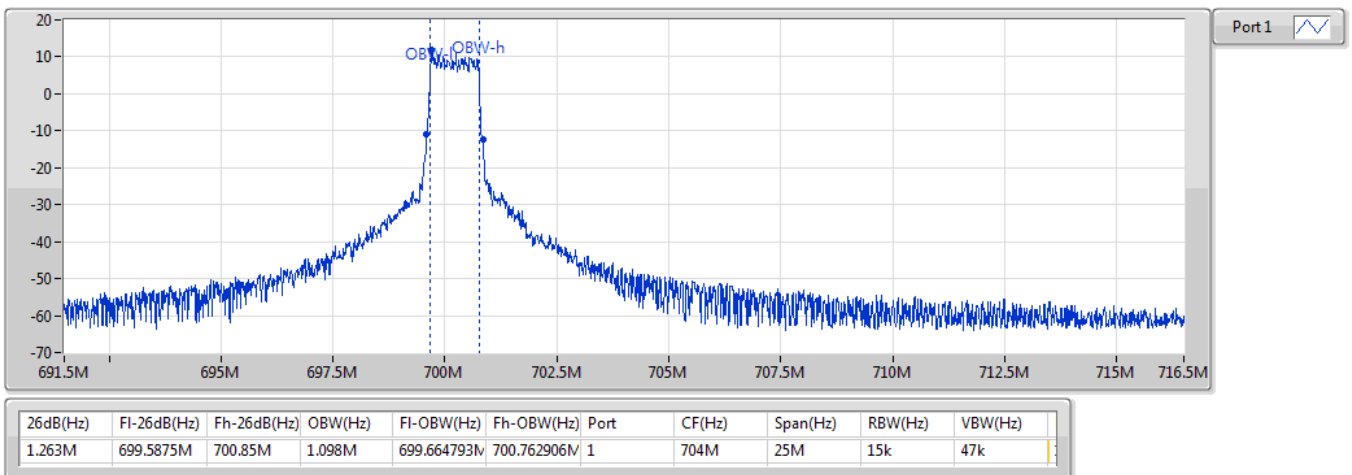
Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
711MHz_QPSK_RB 6,#RB 0,NB 7

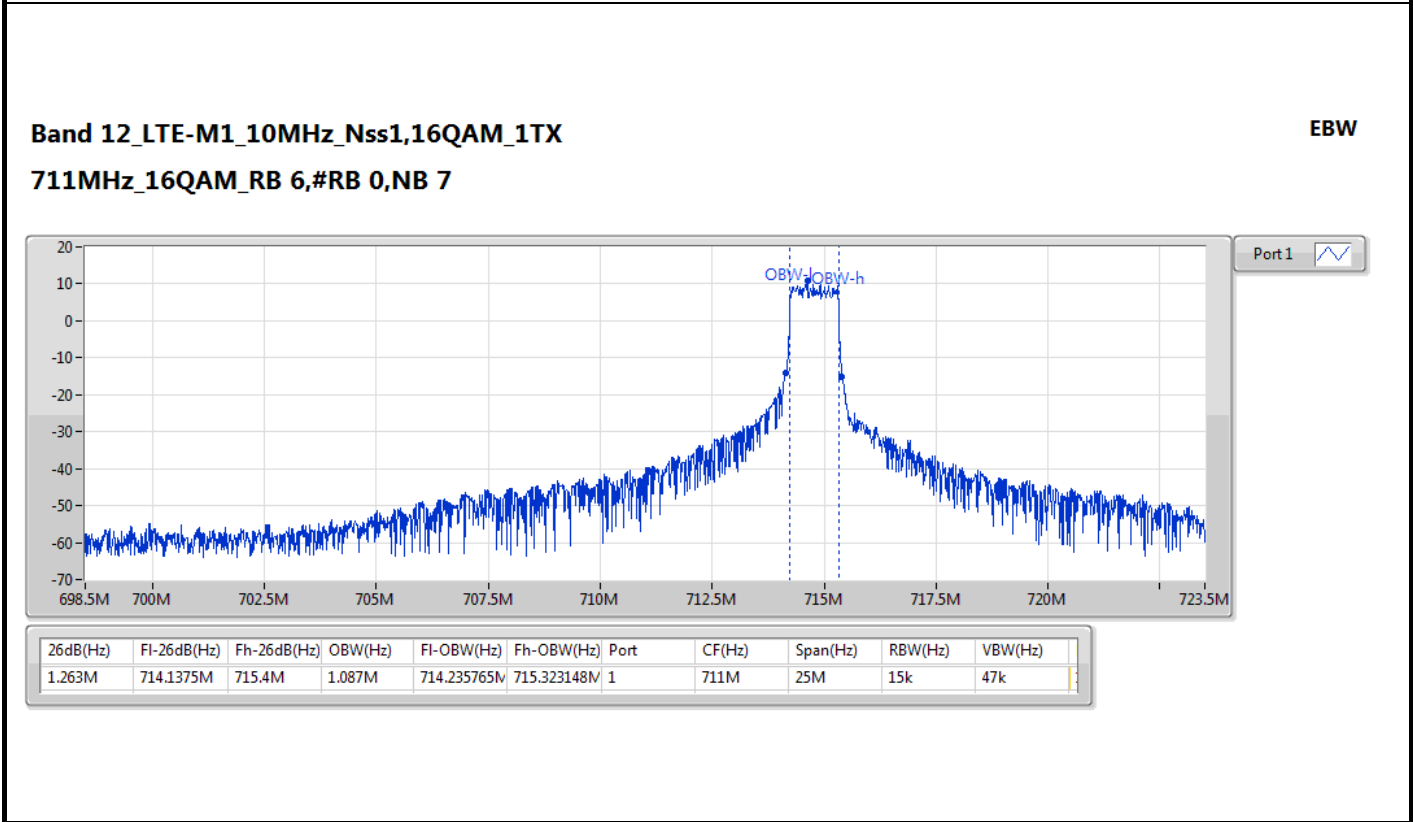
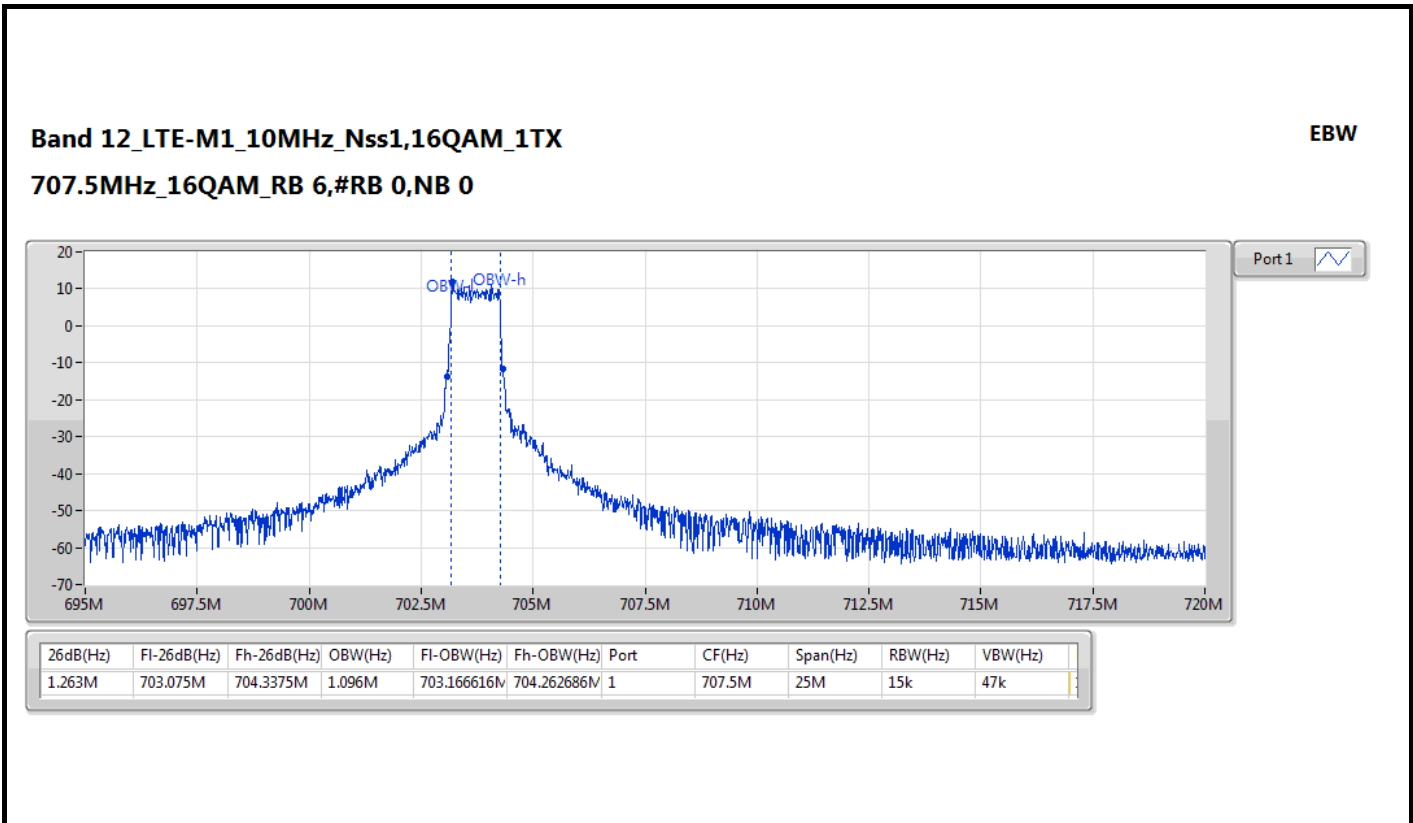
EBW



Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
704MHz_16QAM_RB 6,#RB 0,NB 0

EBW







Summary

| Mode | Result | Freq (MHz) | Limit (dB) | 0.1% | Port |
|------------------------------|--------|------------|------------|------|------|
| Band 12 | - | - | - | - | - |
| LTE-M1_1.4MHz_Nss1,QPSK_1TX | Pass | 699.7 | 13.00 | 5.29 | 1 |
| LTE-M1_1.4MHz_Nss1,16QAM_1TX | Pass | 715.3 | 13.00 | 5.71 | 1 |
| LTE-M1_3MHz_Nss1,QPSK_1TX | Pass | 700.5 | 13.00 | 5.27 | 1 |
| LTE-M1_3MHz_Nss1,16QAM_1TX | Pass | 714.5 | 13.00 | 5.68 | 1 |
| LTE-M1_5MHz_Nss1,QPSK_1TX | Pass | 701.5 | 13.00 | 5.26 | 1 |
| LTE-M1_5MHz_Nss1,16QAM_1TX | Pass | 707.5 | 13.00 | 5.82 | 1 |
| LTE-M1_10MHz_Nss1,QPSK_1TX | Pass | 711 | 13.00 | 4.89 | 1 |
| LTE-M1_10MHz_Nss1,16QAM_1TX | Pass | 707.5 | 13.00 | 5.71 | 1 |



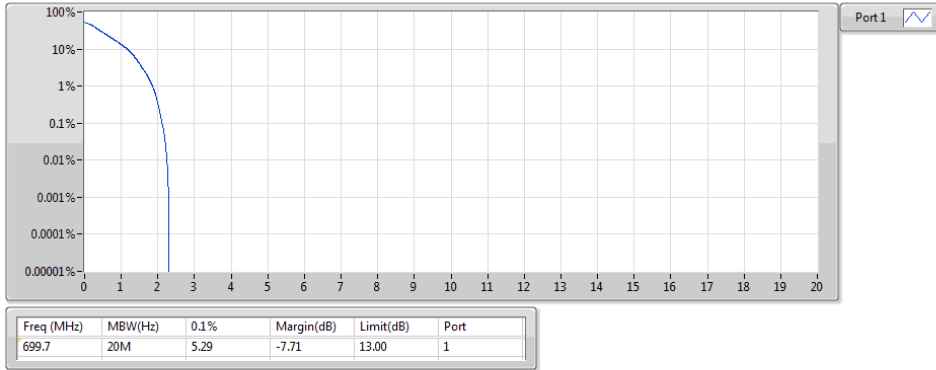
Result

| Mode | Result | Freq (MHz) | Limit (dB) | 0.1% | Port |
|--------------------------------|--------|------------|------------|------|------|
| Band 12_LTE-M1_1.4MHz_Nss1_1TX | - | - | - | - | - |
| 699.7MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 699.7 | 13.00 | 5.29 | 1 |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 707.5 | 13.00 | 4.93 | 1 |
| 715.3MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 715.3 | 13.00 | 4.90 | 1 |
| 699.7MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 699.7 | 13.00 | 5.48 | 1 |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 707.5 | 13.00 | 5.33 | 1 |
| 715.3MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 715.3 | 13.00 | 5.71 | 1 |
| Band 12_LTE-M1_3MHz_Nss1_1TX | - | - | - | - | - |
| 700.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 700.5 | 13.00 | 5.27 | 1 |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 707.5 | 13.00 | 4.99 | 1 |
| 714.5MHz_QPSK_RB 6,#RB 0,NB 1 | Pass | 714.5 | 13.00 | 4.85 | 1 |
| 700.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 700.5 | 13.00 | 5.52 | 1 |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 707.5 | 13.00 | 5.43 | 1 |
| 714.5MHz_16QAM_RB 6,#RB 0,NB 1 | Pass | 714.5 | 13.00 | 5.68 | 1 |
| Band 12_LTE-M1_5MHz_Nss1_1TX | - | - | - | - | - |
| 701.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 701.5 | 13.00 | 5.26 | 1 |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 707.5 | 13.00 | 4.99 | 1 |
| 713.5MHz_QPSK_RB 6,#RB 0,NB 3 | Pass | 713.5 | 13.00 | 4.70 | 1 |
| 701.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 701.5 | 13.00 | 5.79 | 1 |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 707.5 | 13.00 | 5.82 | 1 |
| 713.5MHz_16QAM_RB 6,#RB 0,NB 3 | Pass | 713.5 | 13.00 | 5.69 | 1 |
| Band 12_LTE-M1_10MHz_Nss1_1TX | - | - | - | - | - |
| 704MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 704 | 13.00 | 4.80 | 1 |
| 707.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 707.5 | 13.00 | 4.84 | 1 |
| 711MHz_QPSK_RB 6,#RB 0,NB 7 | Pass | 711 | 13.00 | 4.89 | 1 |
| 704MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 704 | 13.00 | 5.65 | 1 |
| 707.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 707.5 | 13.00 | 5.71 | 1 |
| 711MHz_16QAM_RB 6,#RB 0,NB 7 | Pass | 711 | 13.00 | 5.53 | 1 |



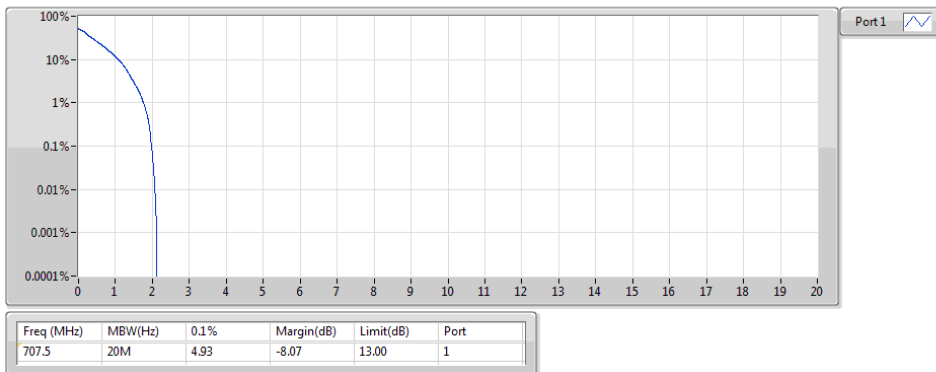
Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX
699.7MHz_QPSK_RB 6,#RB 0,NB 0

PAR



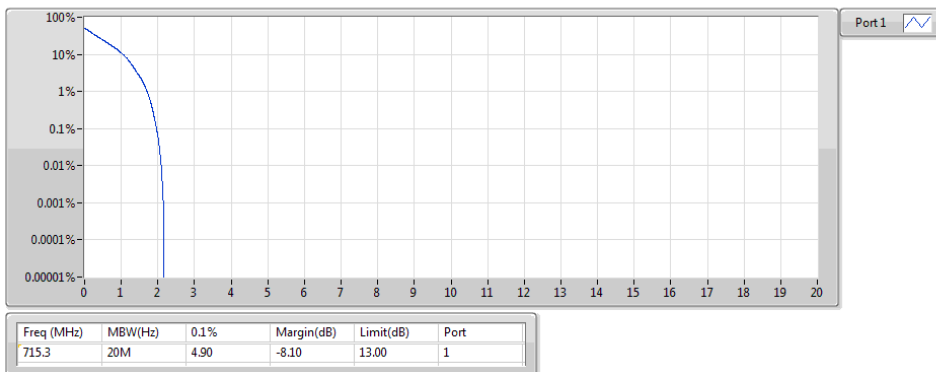
Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX
707.5MHz_QPSK_RB 6,#RB 0,NB 0

PAR



Band 12_LTE-M1_1.4MHz_Nss1,QPSK_1TX
715.3MHz_QPSK_RB 6,#RB 0,NB 0

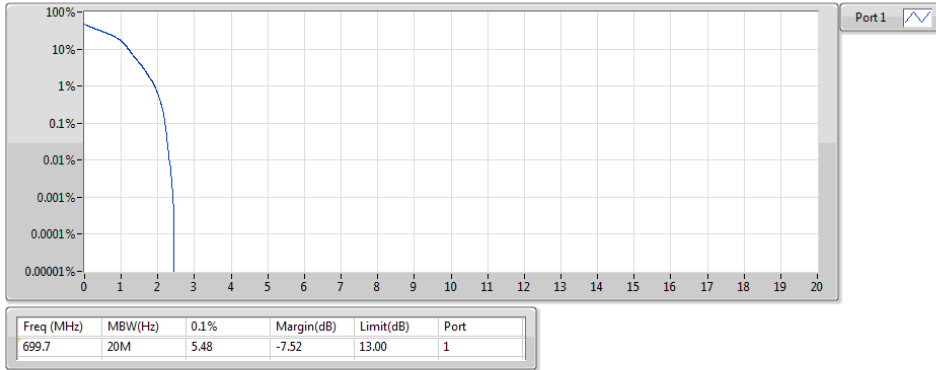
PAR





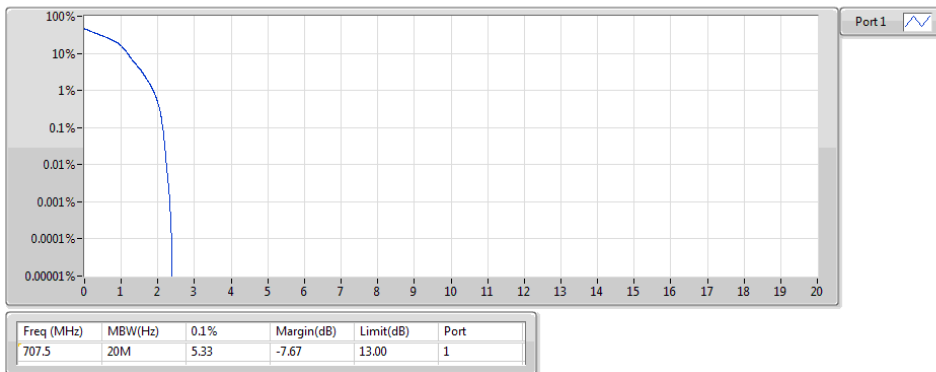
Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX
699.7MHz_16QAM_RB 6,#RB 0,NB 0

PAR



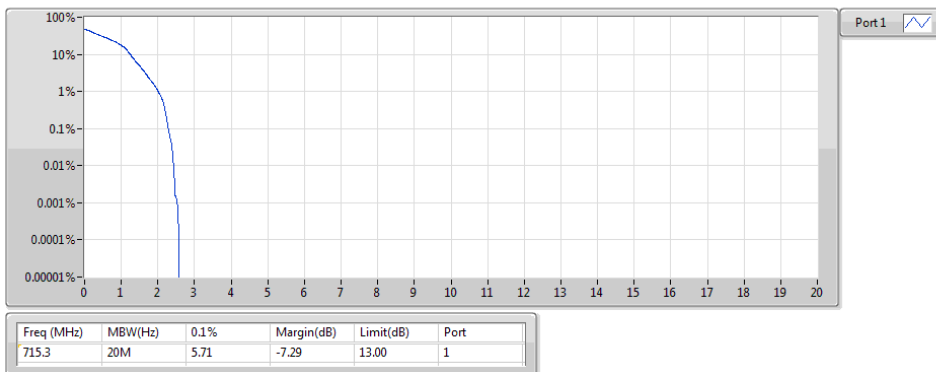
Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX
707.5MHz_16QAM_RB 6,#RB 0,NB 0

PAR



Band 12_LTE-M1_1.4MHz_Nss1,16QAM_1TX
715.3MHz_16QAM_RB 6,#RB 0,NB 0

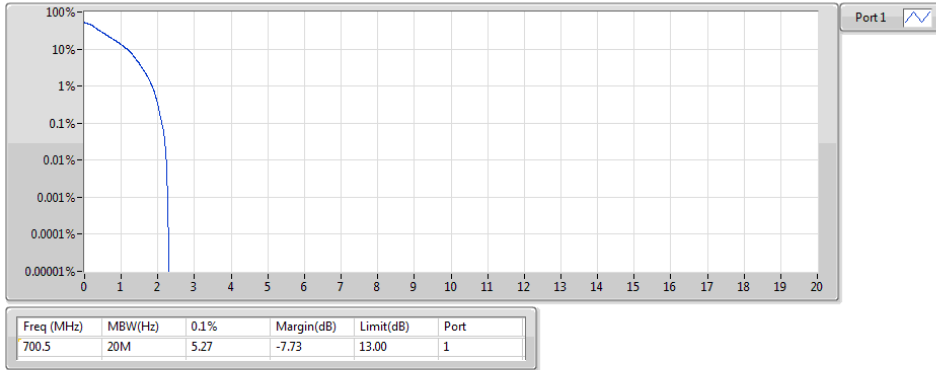
PAR





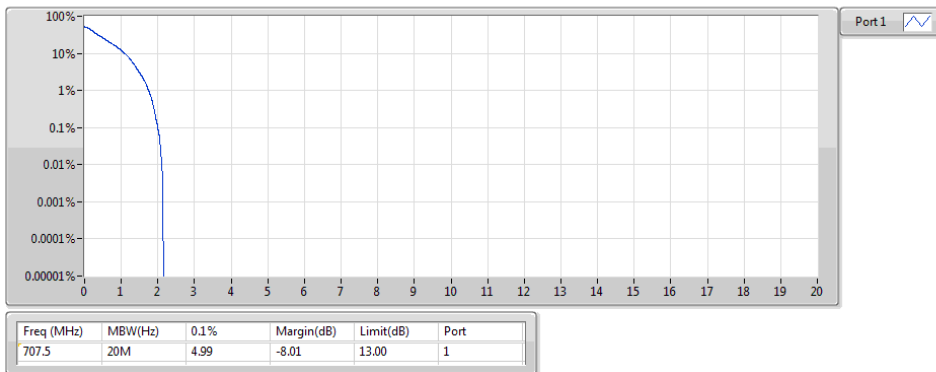
Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX
700.5MHz_QPSK_RB 6,#RB 0,NB 0

PAR



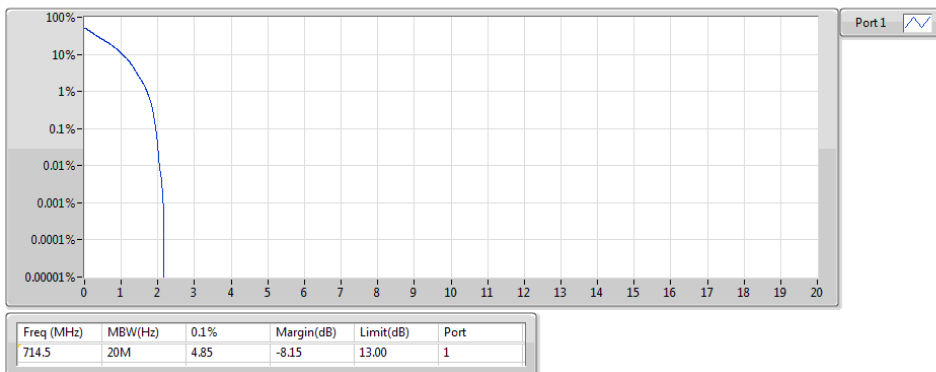
Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX
707.5MHz_QPSK_RB 6,#RB 0,NB 0

PAR



Band 12_LTE-M1_3MHz_Nss1,QPSK_1TX
714.5MHz_QPSK_RB 6,#RB 0,NB 1

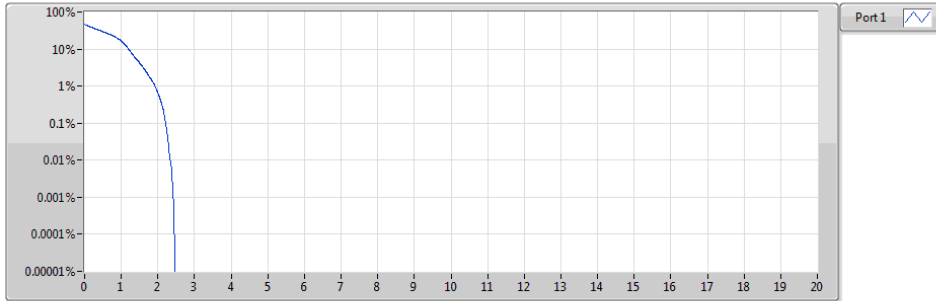
PAR





Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX
700.5MHz_16QAM_RB 6,#RB 0,NB 0

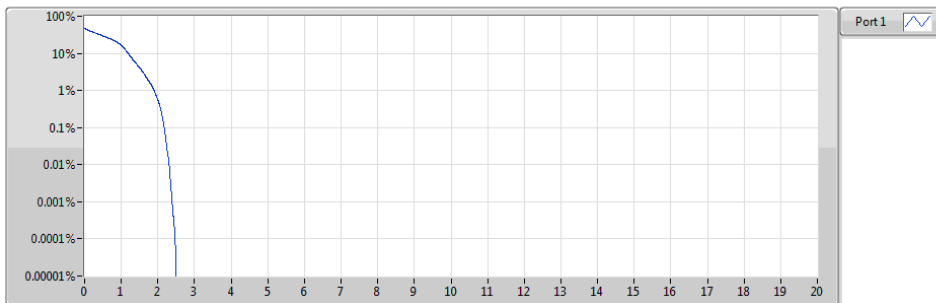
PAR



| Freq (MHz) | MBW(Hz) | 0.1% | Margin(dB) | Limit(dB) | Port |
|------------|---------|------|------------|-----------|------|
| 700.5 | 20M | 5.52 | -7.48 | 13.00 | 1 |

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX
707.5MHz_16QAM_RB 6,#RB 0,NB 0

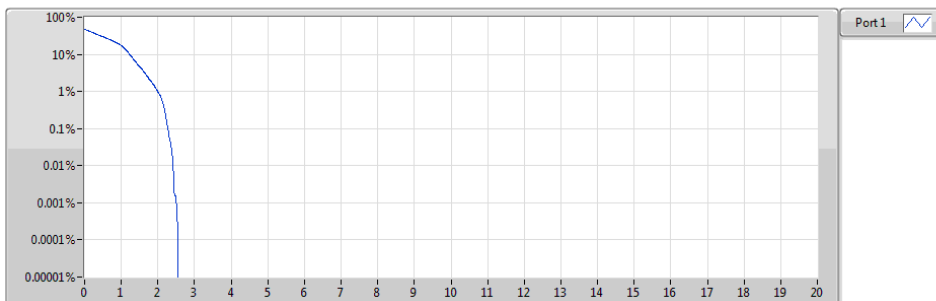
PAR



| Freq (MHz) | MBW(Hz) | 0.1% | Margin(dB) | Limit(dB) | Port |
|------------|---------|------|------------|-----------|------|
| 707.5 | 20M | 5.43 | -7.57 | 13.00 | 1 |

Band 12_LTE-M1_3MHz_Nss1,16QAM_1TX
714.5MHz_16QAM_RB 6,#RB 0,NB 1

PAR

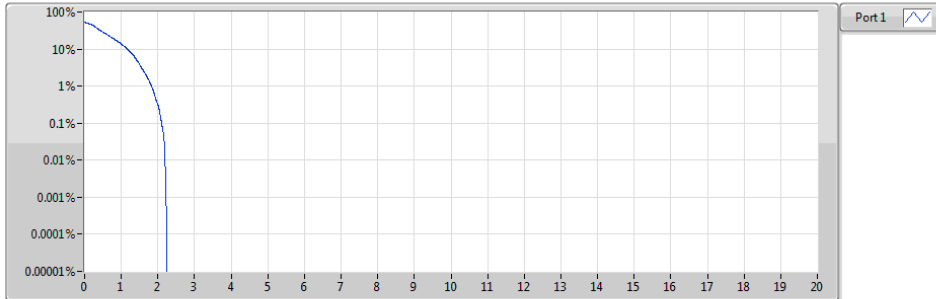


| Freq (MHz) | MBW(Hz) | 0.1% | Margin(dB) | Limit(dB) | Port |
|------------|---------|------|------------|-----------|------|
| 714.5 | 20M | 5.68 | -7.32 | 13.00 | 1 |



Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX
701.5MHz_QPSK_RB 6,#RB 0,NB 0

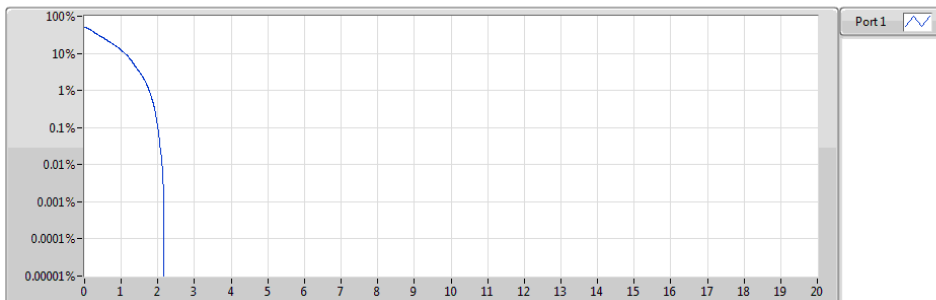
PAR



| Freq (MHz) | MBW(Hz) | 0.1% | Margin(dB) | Limit(dB) | Port |
|------------|---------|------|------------|-----------|------|
| 701.5 | 20M | 5.26 | -7.74 | 13.00 | 1 |

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX
707.5MHz_QPSK_RB 6,#RB 0,NB 0

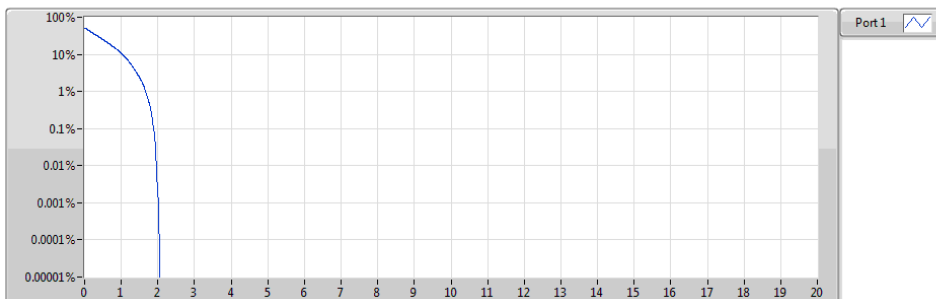
PAR



| Freq (MHz) | MBW(Hz) | 0.1% | Margin(dB) | Limit(dB) | Port |
|------------|---------|------|------------|-----------|------|
| 707.5 | 20M | 4.99 | -8.01 | 13.00 | 1 |

Band 12_LTE-M1_5MHz_Nss1,QPSK_1TX
713.5MHz_QPSK_RB 6,#RB 0,NB 3

PAR

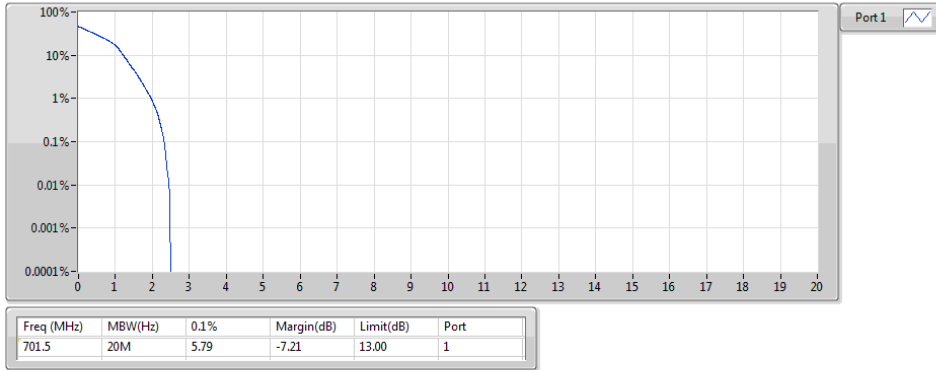


| Freq (MHz) | MBW(Hz) | 0.1% | Margin(dB) | Limit(dB) | Port |
|------------|---------|------|------------|-----------|------|
| 713.5 | 20M | 4.70 | -8.30 | 13.00 | 1 |



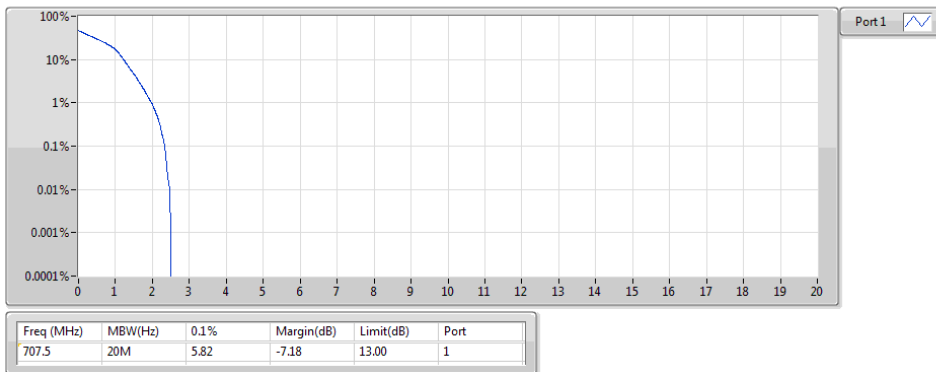
Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX
701.5MHz_16QAM_RB 6,#RB 0,NB 0

PAR



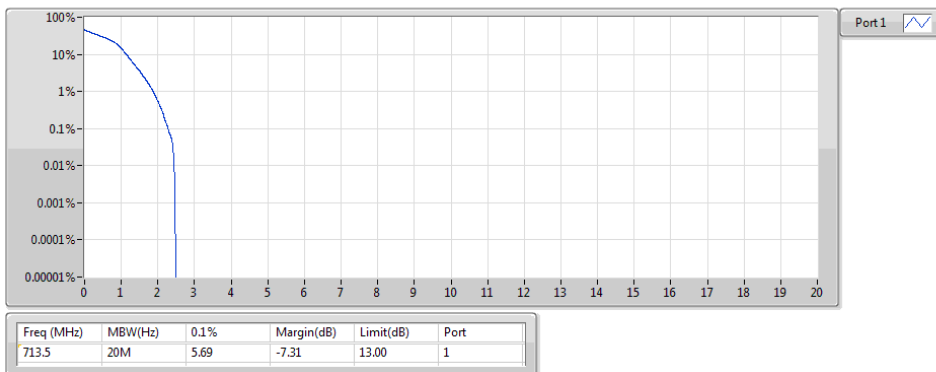
Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX
707.5MHz_16QAM_RB 6,#RB 0,NB 0

PAR



Band 12_LTE-M1_5MHz_Nss1,16QAM_1TX
713.5MHz_16QAM_RB 6,#RB 0,NB 3

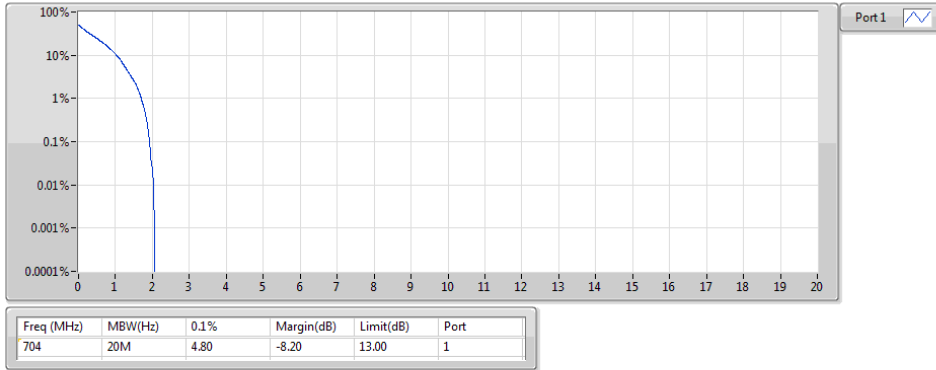
PAR





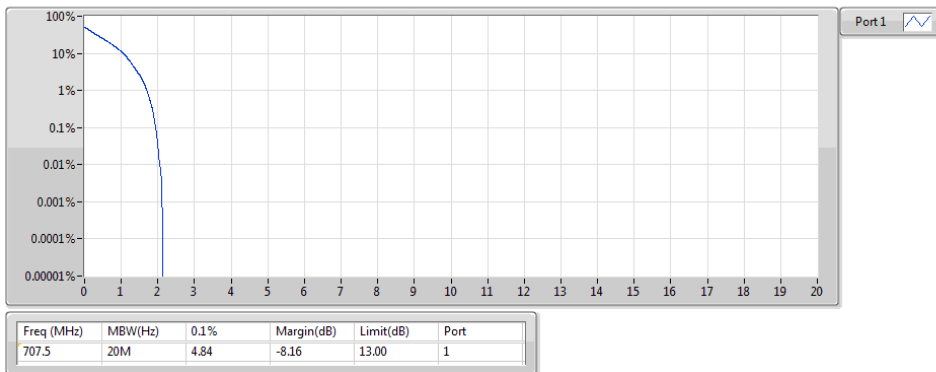
Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
704MHz_QPSK_RB 6,#RB 0,NB 0

PAR



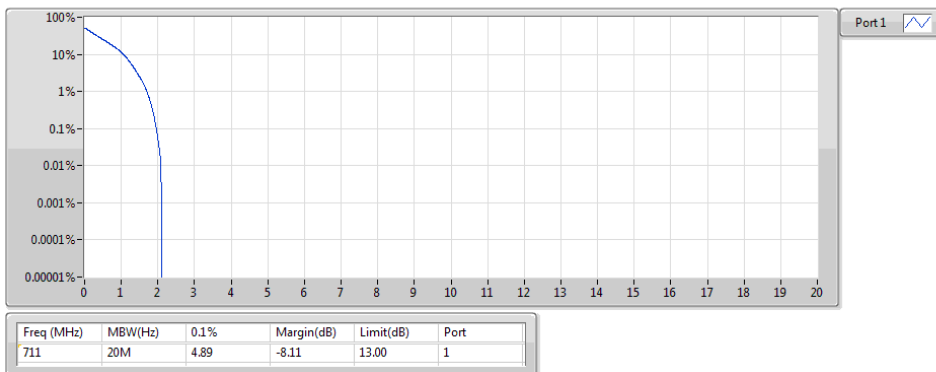
Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
707.5MHz_QPSK_RB 6,#RB 0,NB 0

PAR



Band 12_LTE-M1_10MHz_Nss1,QPSK_1TX
711MHz_QPSK_RB 6,#RB 0,NB 7

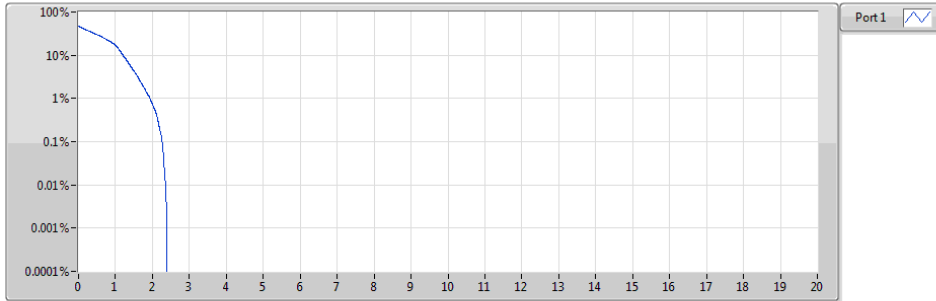
PAR





Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
704MHz_16QAM_RB 6,#RB 0,NB 0

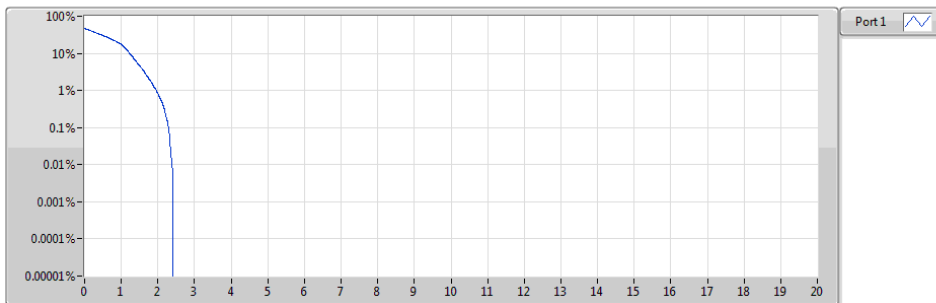
PAR



| Freq (MHz) | MBW(Hz) | 0.1% | Margin(dB) | Limit(dB) | Port |
|------------|---------|------|------------|-----------|------|
| 704 | 20M | 5.65 | -7.35 | 13.00 | 1 |

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
707.5MHz_16QAM_RB 6,#RB 0,NB 0

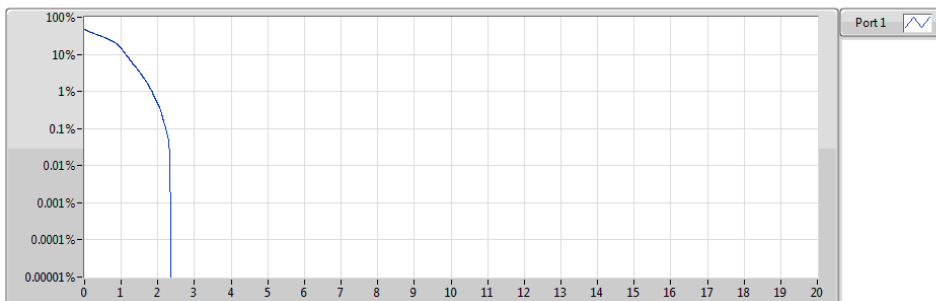
PAR



| Freq (MHz) | MBW(Hz) | 0.1% | Margin(dB) | Limit(dB) | Port |
|------------|---------|------|------------|-----------|------|
| 707.5 | 20M | 5.71 | -7.29 | 13.00 | 1 |

Band 12_LTE-M1_10MHz_Nss1,16QAM_1TX
711MHz_16QAM_RB 6,#RB 0,NB 7

PAR



| Freq (MHz) | MBW(Hz) | 0.1% | Margin(dB) | Limit(dB) | Port |
|------------|---------|------|------------|-----------|------|
| 711 | 20M | 5.53 | -7.47 | 13.00 | 1 |

| CB: 1.4MHz | | | | |
|-------------------|-----------------------|----------------------|-----------------------|----------------------|
| Temperature (°C) | 699.7MHz | | 715.3MHz | |
| | Frequency Drift (ppm) | F _L (MHz) | Frequency Drift (ppm) | F _H (MHz) |
| T20°CVmax | 0.010 | 699.159703 | 0.011 | 715.840783 |
| T20°CVmin | 0.011 | 699.159704 | 0.010 | 715.840782 |
| T60°CVnom | 0.019 | 699.159705 | 0.017 | 715.840787 |
| T50°CVnom | 0.020 | 699.159706 | 0.020 | 715.840789 |
| T40°CVnom | 0.017 | 699.159707 | 0.015 | 715.840786 |
| T30°CVnom | 0.014 | 699.159708 | 0.015 | 715.840786 |
| T20°CVnom | 0.011 | 699.159709 | 0.013 | 715.840784 |
| T10°CVnom | -0.013 | 699.159710 | -0.011 | 715.840767 |
| T0°CVnom | -0.014 | 699.159711 | -0.015 | 715.840764 |
| T-10°CVnom | -0.019 | 699.159712 | -0.017 | 715.840763 |
| T-20°CVnom | -0.016 | 699.159713 | -0.018 | 715.840762 |
| T-30°CVnom | -0.020 | 699.159714 | -0.017 | 715.840763 |
| Limit | >698MHz | | <716MHz | |

| CB: 3MHz | | | | |
|------------------|-----------------------|----------------------|-----------------------|----------------------|
| Temperature (°C) | 700.5MHz | | 714.5MHz | |
| | Frequency Drift (ppm) | F _L (MHz) | Frequency Drift (ppm) | F _H (MHz) |
| T20°CVmax | 0.011 | 699.330110 | 0.013 | 715.668316 |
| T20°CVmin | 0.013 | 699.330111 | 0.010 | 715.668314 |
| T60°CVnom | 0.017 | 699.330112 | 0.015 | 715.668318 |
| T50°CVnom | 0.019 | 699.330113 | 0.017 | 715.668319 |
| T40°CVnom | 0.019 | 699.330114 | 0.018 | 715.668320 |
| T30°CVnom | 0.017 | 699.330115 | 0.017 | 715.668319 |
| T20°CVnom | 0.013 | 699.330116 | 0.014 | 715.668317 |
| T10°CVnom | -0.011 | 699.330117 | -0.013 | 715.668298 |
| T0°CVnom | -0.017 | 699.330118 | -0.014 | 715.668297 |
| T-10°CVnom | -0.017 | 699.330119 | -0.015 | 715.668296 |
| T-20°CVnom | -0.019 | 699.330120 | -0.020 | 715.668293 |
| T-30°CVnom | -0.023 | 699.330121 | -0.021 | 715.668292 |
| Limit | >698MHz | | <716MHz | |



| CB: 5MHz | | | | |
|------------------|-----------------------|----------------------|-----------------------|----------------------|
| Temperature (°C) | 701.5MHz | | 713.5MHz | |
| | Frequency Drift (ppm) | F _L (MHz) | Frequency Drift (ppm) | F _H (MHz) |
| T20°CVmax | 0.013 | 699.243650 | 0.011 | 715.752480 |
| T20°CVmin | 0.010 | 699.243651 | 0.013 | 715.752481 |
| T60°CVnom | 0.016 | 699.243652 | 0.018 | 715.752485 |
| T50°CVnom | 0.017 | 699.243653 | 0.015 | 715.752483 |
| T40°CVnom | 0.017 | 699.243654 | 0.017 | 715.752484 |
| T30°CVnom | 0.016 | 699.243655 | 0.015 | 715.752483 |
| T20°CVnom | 0.011 | 699.243656 | 0.013 | 715.752481 |
| T10°CVnom | -0.010 | 699.243657 | -0.011 | 715.752464 |
| T0°CVnom | -0.016 | 699.243658 | -0.015 | 715.752461 |
| T-10°CVnom | -0.017 | 699.243659 | -0.018 | 715.752459 |
| T-20°CVnom | -0.020 | 699.243660 | -0.017 | 715.752460 |
| T-30°CVnom | -0.021 | 699.243661 | -0.022 | 715.752456 |
| Limit | >698MHz | | <716MHz | |

| CB: 10MHz | | | | |
|------------------|-----------------------|----------------------|-----------------------|----------------------|
| Temperature (°C) | 704MHz | | 711MHz | |
| | Frequency Drift (ppm) | F _L (MHz) | Frequency Drift (ppm) | F _H (MHz) |
| T20°CVmax | 0.011 | 699.664834 | 0.010 | 715.323155 |
| T20°CVmin | 0.010 | 699.664835 | 0.013 | 715.323157 |
| T60°CVnom | 0.017 | 699.664836 | 0.020 | 715.323162 |
| T50°CVnom | 0.016 | 699.664837 | 0.017 | 715.323160 |
| T40°CVnom | 0.014 | 699.664838 | 0.015 | 715.323159 |
| T30°CVnom | 0.013 | 699.664839 | 0.015 | 715.323159 |
| T20°CVnom | 0.010 | 699.664840 | 0.014 | 715.323158 |
| T10°CVnom | -0.011 | 699.664841 | -0.015 | 715.323137 |
| T0°CVnom | -0.014 | 699.664842 | -0.018 | 715.323135 |
| T-10°CVnom | -0.016 | 699.664843 | -0.017 | 715.323136 |
| T-20°CVnom | -0.018 | 699.664844 | -0.020 | 715.323134 |
| T-30°CVnom | -0.020 | 699.664845 | -0.024 | 715.323131 |
| Limit | >698MHz | | <716MHz | |



Summary

| Mode | Power (dBm) | Power (W) | ERP (dBm) | ERP (W) |
|-----------------------------|-------------|-----------|-----------|---------|
| Band 13 | - | - | - | - |
| LTE-M1_5MHz_Nss1,QPSK_1TX | 20.86 | 0.122 | 18.11 | 0.06471 |
| LTE-M1_5MHz_Nss1,16QAM_1TX | 20.85 | 0.122 | 18.10 | 0.06457 |
| LTE-M1_10MHz_Nss1,QPSK_1TX | 20.51 | 0.112 | 17.76 | 0.05970 |
| LTE-M1_10MHz_Nss1,16QAM_1TX | 20.40 | 0.110 | 17.65 | 0.05821 |



Result

| Mode | Result | DG (dBi) | EIRP (dBm) | ERP (dBm) | ERP (W) | ERP Lim. (W) | Power (dBm) | Power (W) | Power Lim. (W) | Port 1 (dBm) |
|--------------------------------|--------|-------------|---------------|--------------|------------|--------------------|----------------|--------------|----------------------|-----------------|
| Band 13_LTE-M1_5MHz_Nss1_1TX | - | - | - | - | - | - | - | - | - | - |
| 779.5MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | -0.60 | 20.15 | 18.00 | 0.06310 | 3 | 20.75 | 0.119 | Inf | 20.75 |
| 779.5MHz_QPSK_RB 1,#RB 0,NB 1 | Pass | -0.60 | 20.01 | 17.86 | 0.06109 | 3 | 20.61 | 0.115 | Inf | 20.61 |
| 779.5MHz_QPSK_RB 1,#RB 5,NB 1 | Pass | -0.60 | 20.06 | 17.91 | 0.06180 | 3 | 20.66 | 0.116 | Inf | 20.66 |
| 779.5MHz_QPSK_RB 1,#RB 5,NB 3 | Pass | -0.60 | 19.91 | 17.76 | 0.05970 | 3 | 20.51 | 0.112 | Inf | 20.51 |
| 779.5MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | -0.60 | 19.80 | 17.65 | 0.05821 | 3 | 20.40 | 0.110 | Inf | 20.4 |
| 779.5MHz_QPSK_RB 3,#RB 3,NB 3 | Pass | -0.60 | 19.72 | 17.57 | 0.05715 | 3 | 20.32 | 0.108 | Inf | 20.32 |
| 779.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | -0.60 | 18.75 | 16.60 | 0.04571 | 3 | 19.35 | 0.086 | Inf | 19.35 |
| 779.5MHz_QPSK_RB 6,#RB 0,NB 3 | Pass | -0.60 | 18.72 | 16.57 | 0.04539 | 3 | 19.32 | 0.086 | Inf | 19.32 |
| 782MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | -0.60 | 20.26 | 18.11 | 0.06471 | 3 | 20.86 | 0.122 | Inf | 20.86 |
| 782MHz_QPSK_RB 1,#RB 0,NB 1 | Pass | -0.60 | 20.06 | 17.91 | 0.06180 | 3 | 20.66 | 0.116 | Inf | 20.66 |
| 782MHz_QPSK_RB 1,#RB 5,NB 1 | Pass | -0.60 | 19.79 | 17.64 | 0.05808 | 3 | 20.39 | 0.109 | Inf | 20.39 |
| 782MHz_QPSK_RB 1,#RB 5,NB 3 | Pass | -0.60 | 19.82 | 17.67 | 0.05848 | 3 | 20.42 | 0.110 | Inf | 20.42 |
| 782MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | -0.60 | 19.72 | 17.57 | 0.05715 | 3 | 20.32 | 0.108 | Inf | 20.32 |
| 782MHz_QPSK_RB 3,#RB 3,NB 3 | Pass | -0.60 | 19.53 | 17.38 | 0.05470 | 3 | 20.13 | 0.103 | Inf | 20.13 |
| 782MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | -0.60 | 18.58 | 16.43 | 0.04395 | 3 | 19.18 | 0.083 | Inf | 19.18 |
| 782MHz_QPSK_RB 6,#RB 0,NB 3 | Pass | -0.60 | 18.45 | 16.30 | 0.04266 | 3 | 19.05 | 0.080 | Inf | 19.05 |
| 784.5MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | -0.60 | 20.19 | 18.04 | 0.06368 | 3 | 20.79 | 0.120 | Inf | 20.79 |
| 784.5MHz_QPSK_RB 1,#RB 0,NB 1 | Pass | -0.60 | 20.09 | 17.94 | 0.06223 | 3 | 20.69 | 0.117 | Inf | 20.69 |
| 784.5MHz_QPSK_RB 1,#RB 5,NB 1 | Pass | -0.60 | 19.63 | 17.48 | 0.05598 | 3 | 20.23 | 0.105 | Inf | 20.23 |
| 784.5MHz_QPSK_RB 1,#RB 5,NB 3 | Pass | -0.60 | 19.55 | 17.40 | 0.05495 | 3 | 20.15 | 0.104 | Inf | 20.15 |
| 784.5MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | -0.60 | 19.77 | 17.62 | 0.05781 | 3 | 20.37 | 0.109 | Inf | 20.37 |
| 784.5MHz_QPSK_RB 3,#RB 3,NB 3 | Pass | -0.60 | 19.41 | 17.26 | 0.05321 | 3 | 20.01 | 0.100 | Inf | 20.01 |
| 784.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | -0.60 | 18.61 | 16.46 | 0.04426 | 3 | 19.21 | 0.083 | Inf | 19.21 |
| 784.5MHz_QPSK_RB 6,#RB 0,NB 3 | Pass | -0.60 | 18.09 | 15.94 | 0.03926 | 3 | 18.69 | 0.074 | Inf | 18.69 |
| 779.5MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | -0.60 | 20.12 | 17.97 | 0.06266 | 3 | 20.72 | 0.118 | Inf | 20.72 |
| 779.5MHz_16QAM_RB 1,#RB 0,NB 1 | Pass | -0.60 | 20.14 | 17.99 | 0.06295 | 3 | 20.74 | 0.119 | Inf | 20.74 |
| 779.5MHz_16QAM_RB 1,#RB 5,NB 1 | Pass | -0.60 | 20.02 | 17.87 | 0.06124 | 3 | 20.62 | 0.115 | Inf | 20.62 |
| 779.5MHz_16QAM_RB 1,#RB 5,NB 3 | Pass | -0.60 | 20.04 | 17.89 | 0.06152 | 3 | 20.64 | 0.116 | Inf | 20.64 |
| 779.5MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | -0.60 | 19.91 | 17.76 | 0.05970 | 3 | 20.51 | 0.112 | Inf | 20.51 |
| 779.5MHz_16QAM_RB 3,#RB 3,NB 3 | Pass | -0.60 | 19.80 | 17.65 | 0.05821 | 3 | 20.40 | 0.110 | Inf | 20.4 |
| 779.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | -0.60 | 18.87 | 16.72 | 0.04699 | 3 | 19.47 | 0.089 | Inf | 19.47 |
| 779.5MHz_16QAM_RB 6,#RB 0,NB 3 | Pass | -0.60 | 18.75 | 16.60 | 0.04571 | 3 | 19.35 | 0.086 | Inf | 19.35 |
| 782MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | -0.60 | 20.05 | 17.90 | 0.06166 | 3 | 20.65 | 0.116 | Inf | 20.65 |
| 782MHz_16QAM_RB 1,#RB 0,NB 1 | Pass | -0.60 | 20.25 | 18.10 | 0.06457 | 3 | 20.85 | 0.122 | Inf | 20.85 |
| 782MHz_16QAM_RB 1,#RB 5,NB 1 | Pass | -0.60 | 19.92 | 17.77 | 0.05984 | 3 | 20.52 | 0.113 | Inf | 20.52 |
| 782MHz_16QAM_RB 1,#RB 5,NB 3 | Pass | -0.60 | 19.72 | 17.57 | 0.05715 | 3 | 20.32 | 0.108 | Inf | 20.32 |



Effective Radiated Power

Appendix G

| Mode | Result | DG (dBi) | EIRP (dBm) | ERP (dBm) | ERP (W) | ERP Lim. (W) | Power (dBm) | Power (W) | Power Lim. (W) | Port 1 (dBm) |
|--------------------------------|--------|-------------|---------------|--------------|------------|--------------------|----------------|--------------|----------------------|-----------------|
| 782MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | -0.60 | 19.84 | 17.69 | 0.05875 | 3 | 20.44 | 0.111 | Inf | 20.44 |
| 782MHz_16QAM_RB 3,#RB 3,NB 3 | Pass | -0.60 | 19.53 | 17.38 | 0.05470 | 3 | 20.13 | 0.103 | Inf | 20.13 |
| 782MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | -0.60 | 18.79 | 16.64 | 0.04613 | 3 | 19.39 | 0.087 | Inf | 19.39 |
| 782MHz_16QAM_RB 6,#RB 0,NB 3 | Pass | -0.60 | 18.65 | 16.50 | 0.04467 | 3 | 19.25 | 0.084 | Inf | 19.25 |
| 784.5MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | -0.60 | 20.15 | 18.00 | 0.06310 | 3 | 20.75 | 0.119 | Inf | 20.75 |
| 784.5MHz_16QAM_RB 1,#RB 0,NB 1 | Pass | -0.60 | 20.09 | 17.94 | 0.06223 | 3 | 20.69 | 0.117 | Inf | 20.69 |
| 784.5MHz_16QAM_RB 1,#RB 5,NB 1 | Pass | -0.60 | 19.57 | 17.42 | 0.05521 | 3 | 20.17 | 0.104 | Inf | 20.17 |
| 784.5MHz_16QAM_RB 1,#RB 5,NB 3 | Pass | -0.60 | 19.49 | 17.34 | 0.05420 | 3 | 20.09 | 0.102 | Inf | 20.09 |
| 784.5MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | -0.60 | 19.92 | 17.77 | 0.05984 | 3 | 20.52 | 0.113 | Inf | 20.52 |
| 784.5MHz_16QAM_RB 3,#RB 3,NB 3 | Pass | -0.60 | 19.55 | 17.40 | 0.05495 | 3 | 20.15 | 0.104 | Inf | 20.15 |
| 784.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | -0.60 | 18.69 | 16.54 | 0.04508 | 3 | 19.29 | 0.085 | Inf | 19.29 |
| 784.5MHz_16QAM_RB 6,#RB 0,NB 3 | Pass | -0.60 | 18.52 | 16.37 | 0.04335 | 3 | 19.12 | 0.082 | Inf | 19.12 |
| Band 13_LTE-M1_10MHz_Nss1_1TX | - | - | - | - | - | - | - | - | - | - |
| 782MHz_QPSK_RB 1,#RB 0,NB 0 | Pass | -0.60 | 19.75 | 17.60 | 0.05754 | 3 | 20.35 | 0.108 | Inf | 20.35 |
| 782MHz_QPSK_RB 1,#RB 0,NB 3 | Pass | -0.60 | 19.91 | 17.76 | 0.05970 | 3 | 20.51 | 0.112 | Inf | 20.51 |
| 782MHz_QPSK_RB 1,#RB 5,NB 3 | Pass | -0.60 | 19.73 | 17.58 | 0.05728 | 3 | 20.33 | 0.108 | Inf | 20.33 |
| 782MHz_QPSK_RB 1,#RB 5,NB 7 | Pass | -0.60 | 19.21 | 17.06 | 0.05082 | 3 | 19.81 | 0.096 | Inf | 19.81 |
| 782MHz_QPSK_RB 3,#RB 0,NB 0 | Pass | -0.60 | 19.70 | 17.55 | 0.05689 | 3 | 20.30 | 0.107 | Inf | 20.3 |
| 782MHz_QPSK_RB 3,#RB 3,NB 7 | Pass | -0.60 | 19.26 | 17.11 | 0.05140 | 3 | 19.86 | 0.097 | Inf | 19.86 |
| 782MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | -0.60 | 18.48 | 16.33 | 0.04295 | 3 | 19.08 | 0.081 | Inf | 19.08 |
| 782MHz_QPSK_RB 6,#RB 0,NB 7 | Pass | -0.60 | 18.15 | 16.00 | 0.03981 | 3 | 18.75 | 0.075 | Inf | 18.75 |
| 782MHz_16QAM_RB 1,#RB 0,NB 0 | Pass | -0.60 | 19.47 | 17.32 | 0.05395 | 3 | 20.07 | 0.102 | Inf | 20.07 |
| 782MHz_16QAM_RB 1,#RB 0,NB 3 | Pass | -0.60 | 19.55 | 17.40 | 0.05495 | 3 | 20.15 | 0.104 | Inf | 20.15 |
| 782MHz_16QAM_RB 1,#RB 5,NB 3 | Pass | -0.60 | 19.46 | 17.31 | 0.05383 | 3 | 20.06 | 0.101 | Inf | 20.06 |
| 782MHz_16QAM_RB 1,#RB 5,NB 7 | Pass | -0.60 | 19.07 | 16.92 | 0.04920 | 3 | 19.67 | 0.093 | Inf | 19.67 |
| 782MHz_16QAM_RB 3,#RB 0,NB 0 | Pass | -0.60 | 19.76 | 17.61 | 0.05768 | 3 | 20.36 | 0.109 | Inf | 20.36 |
| 782MHz_16QAM_RB 3,#RB 3,NB 7 | Pass | -0.60 | 19.41 | 17.26 | 0.05321 | 3 | 20.01 | 0.100 | Inf | 20.01 |
| 782MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | -0.60 | 19.80 | 17.65 | 0.05821 | 3 | 20.40 | 0.110 | Inf | 20.4 |
| 782MHz_16QAM_RB 6,#RB 0,NB 7 | Pass | -0.60 | 19.55 | 17.40 | 0.05495 | 3 | 20.15 | 0.104 | Inf | 20.15 |

DG = Directional Gain; Port n = Port n output power

Test Result of Radiated Emissions below 1GHz

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 13, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23230 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 30 | H | -65.54 | -13 | -52.54 | -71.62 | -43.94 | -19.45 |
| 73.65 | H | -64.75 | -13 | -51.75 | -60.19 | -53.26 | -9.34 |
| 511.12 | H | -64.08 | -13 | -51.08 | -65.64 | -60.66 | -1.27 |
| 587.75 | H | -64.8 | -13 | -51.8 | -67.39 | -60.98 | -1.67 |
| 769.14 | H | -49.25 | -13 | -36.25 | -56.1 | -45.08 | -2.02 |
| 793.39 | H | -54.83 | -13 | -41.83 | -62.05 | -50.77 | -1.91 |
| 42.61 | V | -68.91 | -13 | -55.91 | -63.47 | -49.52 | -17.24 |
| 79.47 | V | -71.55 | -13 | -58.55 | -68.8 | -61.98 | -7.42 |
| 473.29 | V | -66.4 | -13 | -53.4 | -68.31 | -62.96 | -1.29 |
| 511.12 | V | -64.18 | -13 | -51.18 | -67.16 | -60.76 | -1.27 |
| 765.26 | V | -49.12 | -13 | -36.12 | -56.77 | -44.93 | -2.04 |
| 797.27 | V | -58.01 | -13 | -45.01 | -65.33 | -53.97 | -1.89 |

| Mode | | | | | | | |
|--|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 13, QPSK CB:5 MHz, RB Size: 1 RB start : 0 index : 3 ,Channel : 23230 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 30 | H | -67.88 | -13 | -54.88 | -73.96 | -46.28 | -19.45 |
| 658.56 | H | -66.37 | -13 | -53.37 | -70.13 | -62.51 | -1.71 |
| 718.7 | H | -61.3 | -13 | -48.3 | -66.68 | -57.3 | -1.85 |
| 730.34 | H | -53.98 | -13 | -40.98 | -59.8 | -49.89 | -1.94 |
| 768.17 | H | -45.16 | -13 | -32.16 | -52 | -40.98 | -2.03 |
| 793.39 | H | -54.76 | -13 | -41.76 | -61.98 | -50.7 | -1.91 |
| 41.64 | V | -71.12 | -13 | -58.12 | -65.51 | -51.6 | -17.37 |
| 73.65 | V | -70.31 | -13 | -57.31 | -66.33 | -58.82 | -9.34 |
| 164.83 | V | -71.12 | -13 | -58.12 | -71.19 | -63.06 | -5.91 |
| 489.78 | V | -68.02 | -13 | -55.02 | -70.258 | -64.6 | -1.27 |
| 771.08 | V | -47.51 | -13 | -34.51 | -55.1 | -43.35 | -2.01 |
| 797.27 | V | -57.78 | -13 | -44.78 | -65.1 | -53.74 | -1.89 |

Note: ERP = S.G Power value + Correction factor-2.15dB.

Test Result of Radiated Emissions above 1GHz

| Mode | | | | | | | |
|--|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 13, QPSK CB:5 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23205 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 2332.29 | H | -54.48 | -13 | -41.48 | -61.97 | -57.94 | 5.61 |
| 3109.72 | H | -51.19 | -13 | -38.19 | -61.43 | -55.56 | 6.52 |
| 3887.15 | H | -50.71 | -13 | -37.71 | -63.64 | -55.51 | 6.95 |
| 2332.29 | V | -53.56 | -13 | -40.56 | -61.38 | -57.02 | 5.61 |
| 3109.72 | V | -49.8 | -13 | -36.8 | -59.86 | -54.17 | 6.52 |
| 3887.15 | V | -50.57 | -13 | -37.57 | -63.48 | -55.37 | 6.95 |

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 13, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23230 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 2339.79 | H | -53.81 | -13 | -40.81 | -61.29 | -57.32 | 5.66 |
| 3119.72 | H | -51.92 | -13 | -38.92 | -62.19 | -56.29 | 6.52 |
| 3899.65 | H | -51.6 | -13 | -38.6 | -64.44 | -56.4 | 6.95 |
| 2339.79 | V | -54.14 | -13 | -41.14 | -61.96 | -57.65 | 5.66 |
| 3119.72 | V | -52.07 | -13 | -39.07 | -62.17 | -56.44 | 6.52 |
| 3899.65 | V | -50.62 | -13 | -37.62 | -63.47 | -55.42 | 6.95 |

| Mode | | | | | | | |
|---|------------------|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| LTE Band 13, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23255 | | | | | | | |
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 2347.29 | H | -54.7 | -13 | -41.7 | -62.16 | -58.25 | 5.7 |
| 3129.72 | H | -52.08 | -13 | -39.08 | -62.39 | -56.45 | 6.52 |
| 3912.15 | H | -50.53 | -13 | -37.53 | -63.28 | -55.32 | 6.94 |
| 2347.29 | V | -54.23 | -13 | -41.23 | -62.04 | -57.78 | 5.7 |
| 3129.72 | V | -51.39 | -13 | -38.39 | -61.55 | -55.76 | 6.52 |
| 3912.15 | V | -50.52 | -13 | -37.52 | -63.29 | -55.31 | 6.94 |

Note: ERP = S.G Power value + Correction factor-2.15dB.



| Mode | LTE Band 13, CB: 10MHz, 1RB, Offset 25, Channel : 23230 | | | | | | |
|-----------------|---|-------------|-------------|-------------|-------------------|-----------------------|------------------------|
| Frequency (MHz) | Antenna Polarity | E.R.P (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 2349.63 | H | -54 | -13 | -41 | -61.45 | -57.57 | 5.72 |
| 3132.84 | H | -52.29 | -13 | -39.29 | -62.61 | -56.66 | 6.52 |
| 3916.05 | H | -51.71 | -13 | -38.71 | -64.43 | -56.5 | 6.94 |
| 2349.63 | V | -53.97 | -13 | -40.97 | -61.78 | -57.54 | 5.72 |
| 3132.84 | V | -52.13 | -13 | -39.13 | -62.3 | -56.5 | 6.52 |
| 3916.05 | V | -50.77 | -13 | -37.77 | -63.52 | -55.56 | 6.94 |

Note: ERP = S.G Power value + Correction factor-2.15dB.

Test Result of Radiated Emissions in the 1559-1610MHz band

| Mode LTE Band 13, QPSK, CB:5 MHz, RB Size: 1 RB start : 5 index : 3 ,Channel : 23205 | | | | | | | |
|---|-------------------------|-----------------------|--------------------|--------------------|--------------------------|------------------------------|-------------------------------|
| Frequency (MHz) | Antenna Polarity | E.I.R.P. (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1563.24 | H | -49.98 | -40 | -9.98 | -56.17 | -55.26 | 5.28 |
| 1563.24 | V | -50.74 | -40 | -10.74 | -57.02 | -56.02 | 5.28 |

| Mode LTE Band 13, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23230 | | | | | | | |
|---|-------------------------|-----------------------|--------------------|--------------------|--------------------------|------------------------------|-------------------------------|
| Frequency (MHz) | Antenna Polarity | E.I.R.P. (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1559.86 | H | -46.24 | -40 | -6.24 | -52.41 | -51.48 | 5.24 |
| 1559.86 | V | -47.46 | -40 | -7.46 | -53.72 | -52.7 | 5.24 |

| Mode LTE Band 13, QPSK, CB:5 MHz, RB Size: 1 RB start : 0 index : 0 ,Channel : 23255 | | | | | | | |
|---|-------------------------|-----------------------|--------------------|--------------------|--------------------------|------------------------------|-------------------------------|
| Frequency (MHz) | Antenna Polarity | E.I.R.P. (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1564.86 | H | -51.08 | -40 | -11.08 | -57.23 | -56.36 | 5.28 |
| 1564.86 | V | -51.72 | -40 | -11.72 | -57.98 | -57 | 5.28 |

| Mode LTE Band 13, QPSK, CB:10 MHz, RB Size: 1 RB start : 0 index : 3 ,Channel : 23230 | | | | | | | |
|--|-------------------------|-----------------------|--------------------|--------------------|--------------------------|------------------------------|-------------------------------|
| Frequency (MHz) | Antenna Polarity | E.I.R.P. (dBm) | Limit (dBm) | Margin (dB) | S.A Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) |
| 1562.1 | H | -47.46 | -40 | -7.46 | -53.62 | -52.72 | 5.26 |
| 1562.1 | V | -48.24 | -40 | -8.24 | -54.5 | -53.5 | 5.26 |

Note: EIRP = S.G Power value + Correction factor.



Summary

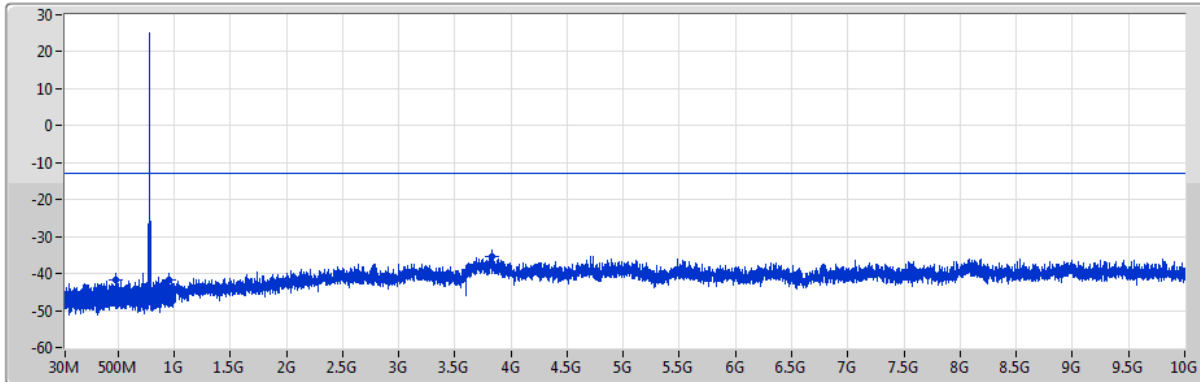
| Mode | Result | F-Start (Hz) | F-Stop (Hz) | RBW (Hz) | VBW (Hz) | Detector | Freq (Hz) | Level (dBm) | Limit (dBm) | Margin (dB) | Port | Remark | Ref.Limit (dB) |
|-----------------------------|--------|--------------|-------------|----------|----------|----------|-----------|-------------|-------------|-------------|------|--------|----------------|
| Band 13 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LTE-M1_5MHz_Nss1,QPSK_1TX | Pass | 1G | 10G | 1M | 3M | Peak | 9.8578G | -34.23 | -13.00 | -21.23 | 1 | - | - |
| LTE-M1_5MHz_Nss1,16QAM_1TX | Pass | 1G | 10G | 1M | 3M | Peak | 3.7846G | -33.81 | -13.00 | -20.81 | 1 | - | - |
| LTE-M1_10MHz_Nss1,QPSK_1TX | Pass | 1G | 10G | 1M | 3M | Peak | 3.9583G | -34.23 | -13.00 | -21.23 | 1 | - | - |
| LTE-M1_10MHz_Nss1,16QAM_1TX | Pass | 1G | 10G | 1M | 3M | Peak | 3.7495G | -34.39 | -13.00 | -21.39 | 1 | - | - |



Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

779.5MHz



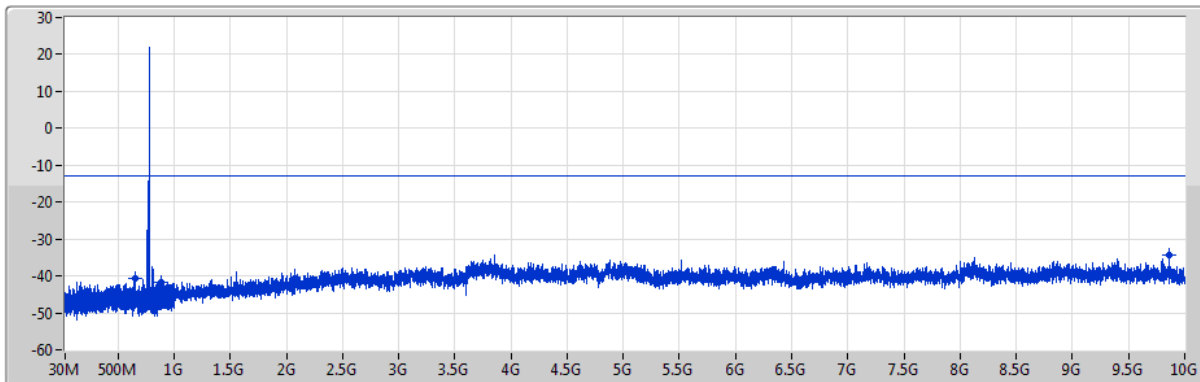
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 677M | 1M | 3M | Peak | 479.5M | -41.74 | -13.00 | -28.74 | 1 | - |
| 887M | 1G | 1M | 3M | Peak | 957.46M | -41.79 | -13.00 | -28.79 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.8305G | -35.27 | -13.00 | -22.27 | 1 | - |

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

782MHz



Port1

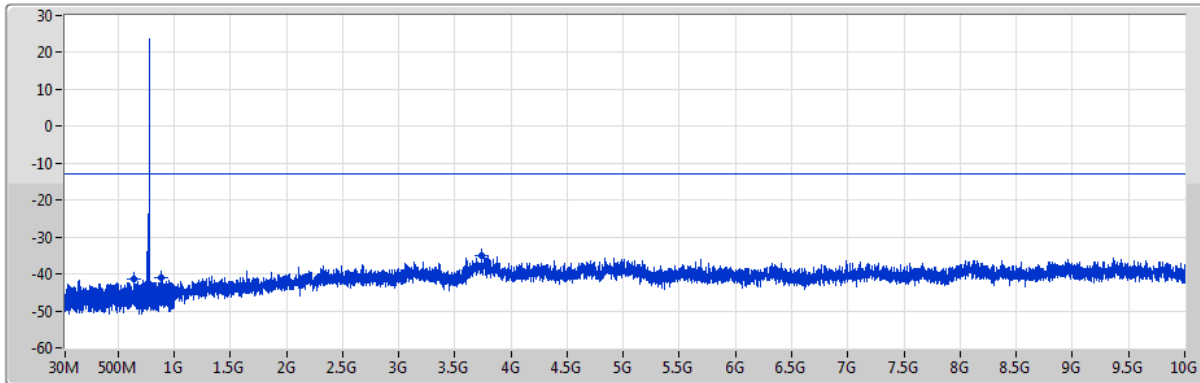
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 677M | 1M | 3M | Peak | 648.21M | -40.73 | -13.00 | -27.73 | 1 | - |
| 887M | 1G | 1M | 3M | Peak | 888.13M | -41.77 | -13.00 | -28.77 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 9.8578G | -34.23 | -13.00 | -21.23 | 1 | - |



Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

784.5MHz



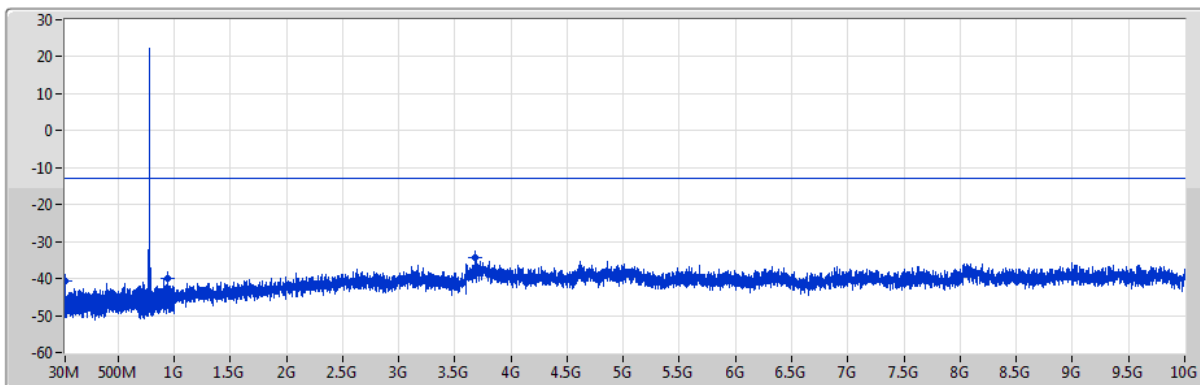
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 677M | 1M | 3M | Peak | 639.96M | -41.41 | -13.00 | -28.41 | 1 | - |
| 887M | 1G | 1M | 3M | Peak | 889.6M | -40.90 | -13.00 | -27.90 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.7432G | -34.96 | -13.00 | -21.96 | 1 | - |

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

779.5MHz



Port1

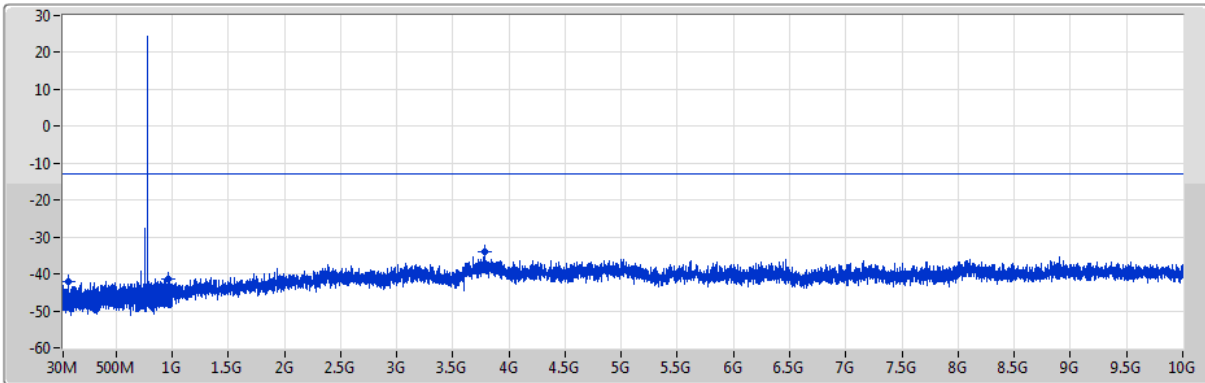
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 677M | 1M | 3M | Peak | 32.91M | -40.74 | -13.00 | -27.74 | 1 | - |
| 887M | 1G | 1M | 3M | Peak | 939.09M | -40.12 | -13.00 | -27.12 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.6802G | -34.22 | -13.00 | -21.22 | 1 | - |



Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

782MHz



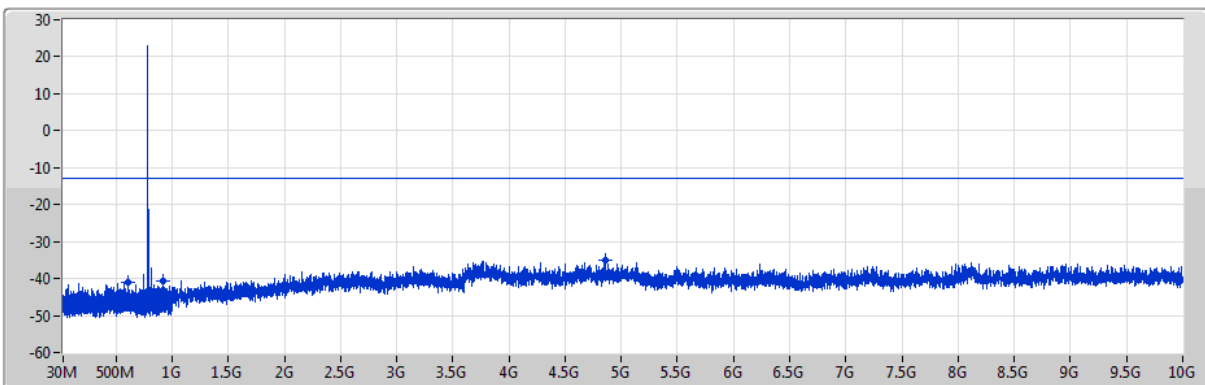
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 677M | 1M | 3M | Peak | 71.08M | -42.06 | -13.00 | -29.06 | 1 | - |
| 887M | 1G | 1M | 3M | Peak | 964.29M | -41.40 | -13.00 | -28.40 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.7846G | -33.81 | -13.00 | -20.81 | 1 | - |

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

CSE-TX-Port

784.5MHz



Port1

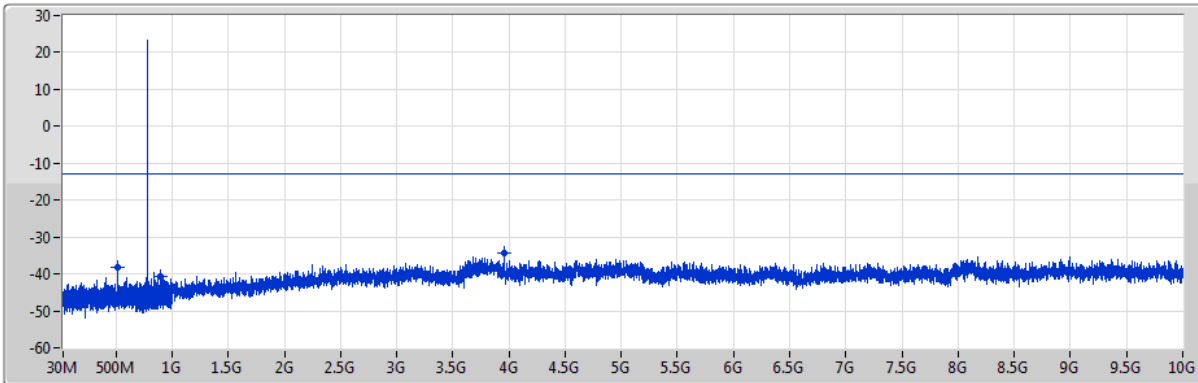
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 677M | 1M | 3M | Peak | 604.05M | -40.93 | -13.00 | -27.93 | 1 | - |
| 887M | 1G | 1M | 3M | Peak | 921.75M | -40.73 | -13.00 | -27.73 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 4.8547G | -34.93 | -13.00 | -21.93 | 1 | - |



Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX

CSE-TX-Port

782MHz



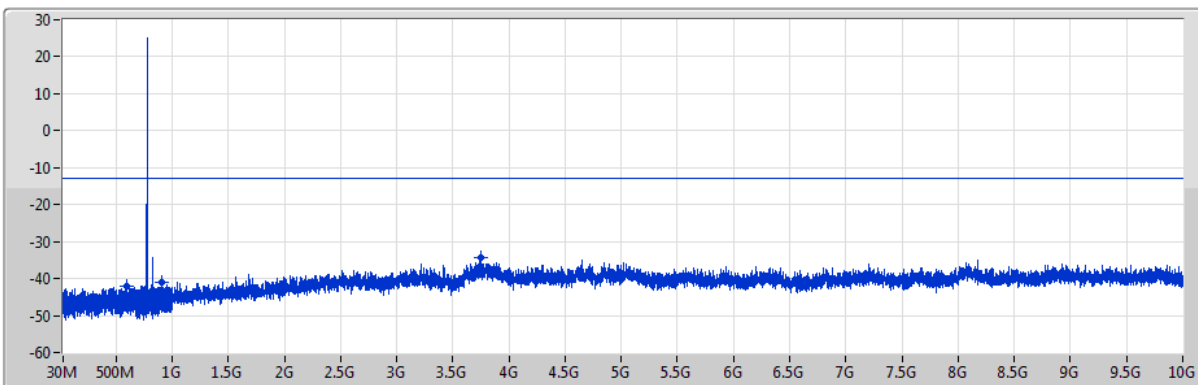
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 677M | 1M | 3M | Peak | 513.63M | -38.09 | -13.00 | -25.09 | 1 | - |
| 887M | 1G | 1M | 3M | Peak | 895.98M | -40.77 | -13.00 | -27.77 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.9583G | -34.23 | -13.00 | -21.23 | 1 | - |

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX

CSE-TX-Port

782MHz



Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 30M | 677M | 1M | 3M | Peak | 597.58M | -42.17 | -13.00 | -29.17 | 1 | - |
| 887M | 1G | 1M | 3M | Peak | 913.33M | -40.90 | -13.00 | -27.90 | 1 | - |
| 1G | 10G | 1M | 3M | Peak | 3.7495G | -34.39 | -13.00 | -21.39 | 1 | - |



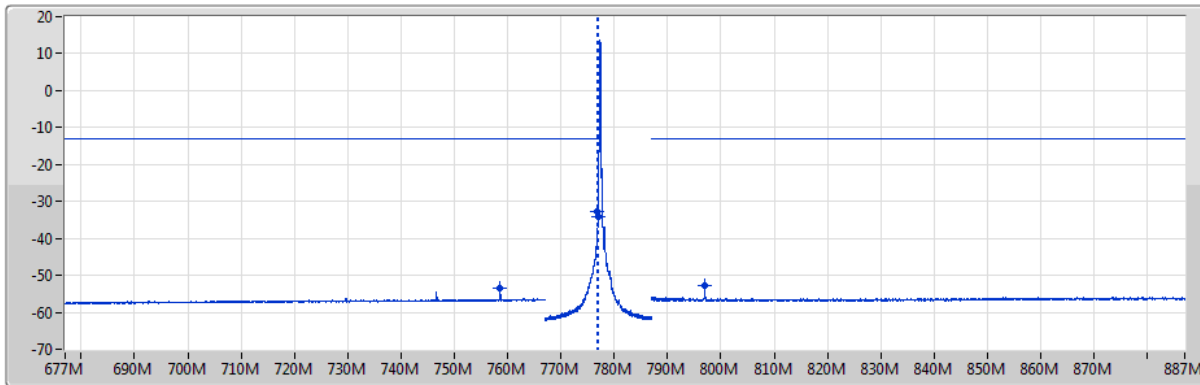
Summary

| Mode | Result | F-Start (Hz) | F-Stop (Hz) | RBW (Hz) | VBW (Hz) | Detector | Freq (Hz) | Level (dBm) | Limit (dBm) | Margin (dB) | Port | Remark | Ref.Limit (dB) |
|-----------------------------|--------|--------------|-------------|----------|----------|----------|-----------|-------------|-------------|-------------|------|----------|----------------|
| Band 13 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| LTE-M1_5MHz_Nss1,QPSK_1TX | Pass | 787.1M | 797M | 30k | 100k | RMS | 787.15M | -30.78 | -13.00 | -17.78 | 1 | MBW 100k | - |
| LTE-M1_5MHz_Nss1,16QAM_1TX | Pass | 763M | 775M | 10k | 30k | RMS | 767.01M | -55.62 | -35.00 | -20.62 | 1 | - | - |
| LTE-M1_10MHz_Nss1,QPSK_1TX | Pass | 763M | 775M | 10k | 30k | RMS | 766.58M | -55.60 | -35.00 | -20.60 | 1 | - | - |
| LTE-M1_10MHz_Nss1,16QAM_1TX | Pass | 763M | 775M | 10k | 30k | RMS | 766.58M | -55.36 | -35.00 | -20.36 | 1 | - | - |



Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX
779.5MHz_QPSK_RB 1,#RB 0,NB 0

CSE-TX-Port

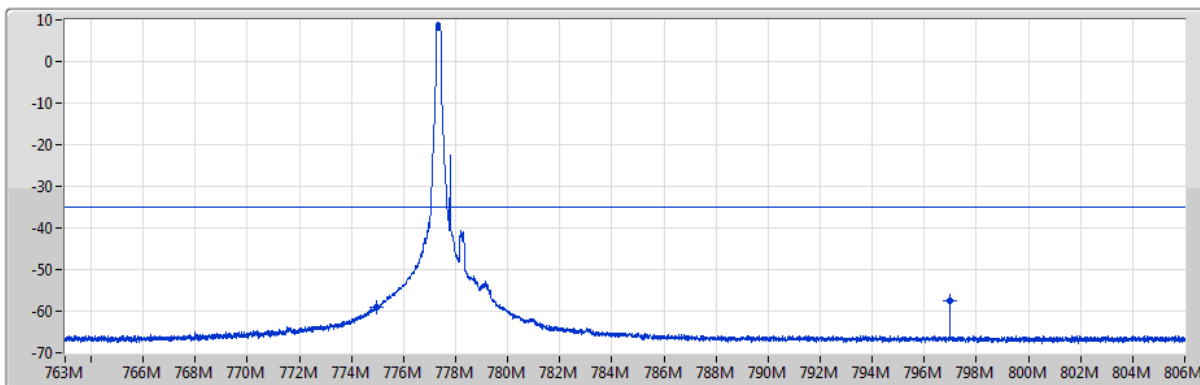


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 767M | 100k | 300k | RMS | 758.59M | -53.65 | -13.00 | -40.65 | 1 | - |
| 767M | 776.9M | 30k | 100k | RMS | 776.85M | -32.87 | -13.00 | -19.87 | 1 | MBW 100k |
| 776.9M | 777M | 30k | 100k | RMS | 777M | -34.19 | -13.00 | -21.19 | 1 | - |
| 787M | 887M | 100k | 300k | RMS | 796.95M | -52.77 | -13.00 | -39.77 | 1 | - |

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX
779.5MHz_QPSK_RB 1,#RB 0,NB 0

CSE-TX-Port



Port1

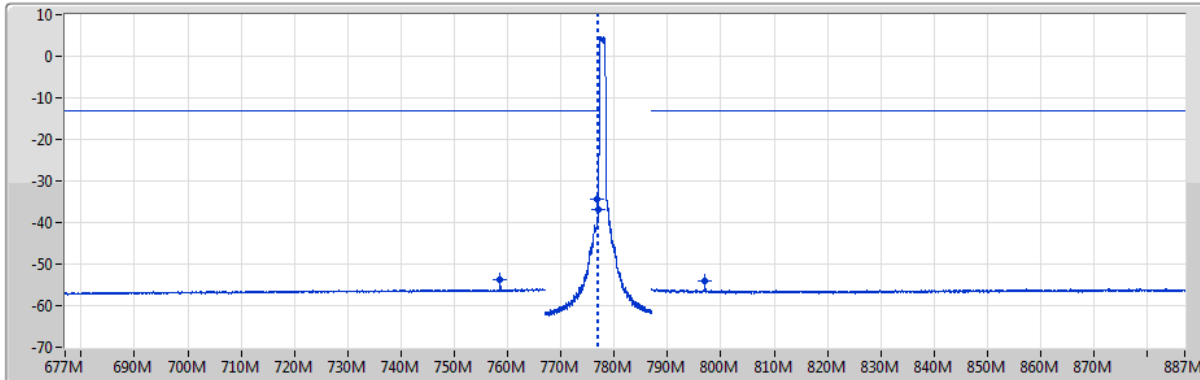
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 774.98M | -58.95 | -35.00 | -23.95 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 796.99M | -57.46 | -35.00 | -22.46 | 1 | - |



Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

779.5MHz_QPSK_RB 6,#RB 0,NB 0



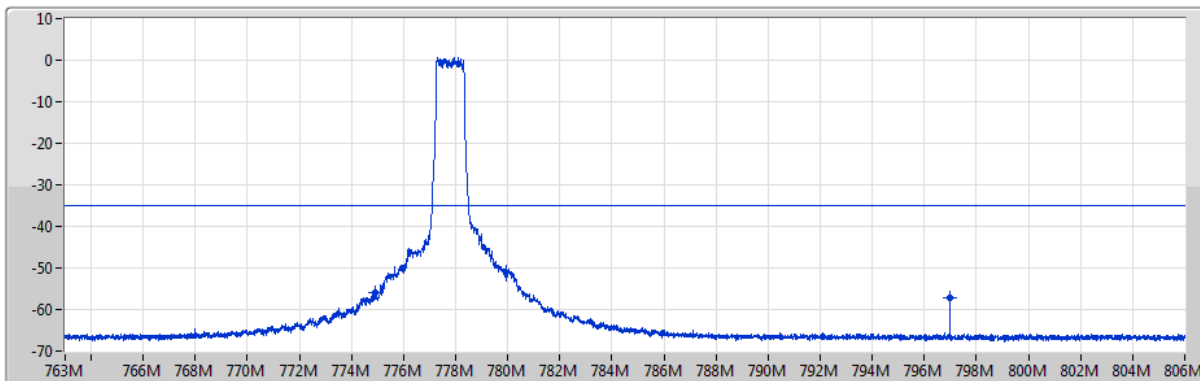
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 767M | 100k | 300k | RMS | 758.59M | -53.78 | -13.00 | -40.78 | 1 | - |
| 767M | 776.9M | 30k | 100k | RMS | 776.85M | -34.38 | -13.00 | -21.38 | 1 | MBW 100k |
| 776.9M | 777M | 30k | 100k | RMS | 777M | -36.98 | -13.00 | -23.98 | 1 | - |
| 787M | 887M | 100k | 300k | RMS | 797M | -53.91 | -13.00 | -40.91 | 1 | - |

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

779.5MHz_QPSK_RB 6,#RB 0,NB 0



Port1

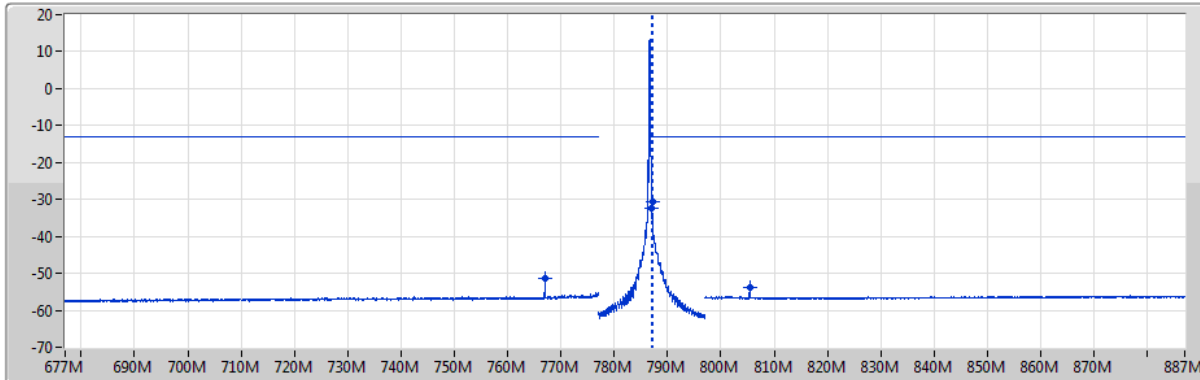
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 774.92M | -56.06 | -35.00 | -21.06 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 796.99M | -57.32 | -35.00 | -22.32 | 1 | - |



Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

784.5MHz_QPSK_RB 1,#RB 5,NB 3



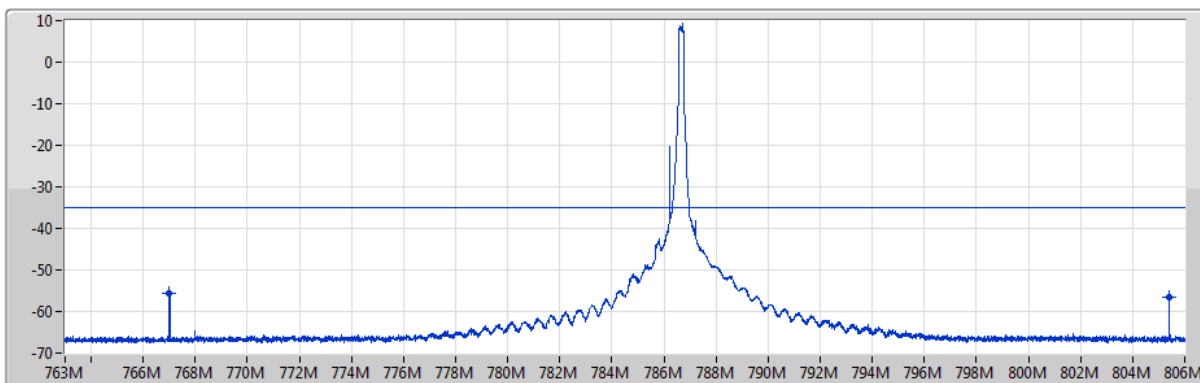
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 777M | 100k | 300k | RMS | 767M | -51.48 | -13.00 | -38.48 | 1 | - |
| 787M | 787.1M | 30k | 100k | RMS | 787M | -32.54 | -13.00 | -19.54 | 1 | - |
| 787.1M | 797M | 30k | 100k | RMS | 787.15M | -30.78 | -13.00 | -17.78 | 1 | MBW 100k |
| 797M | 887M | 100k | 300k | RMS | 805.42M | -53.95 | -13.00 | -40.95 | 1 | - |

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

784.5MHz_QPSK_RB 1,#RB 5,NB 3



Port1

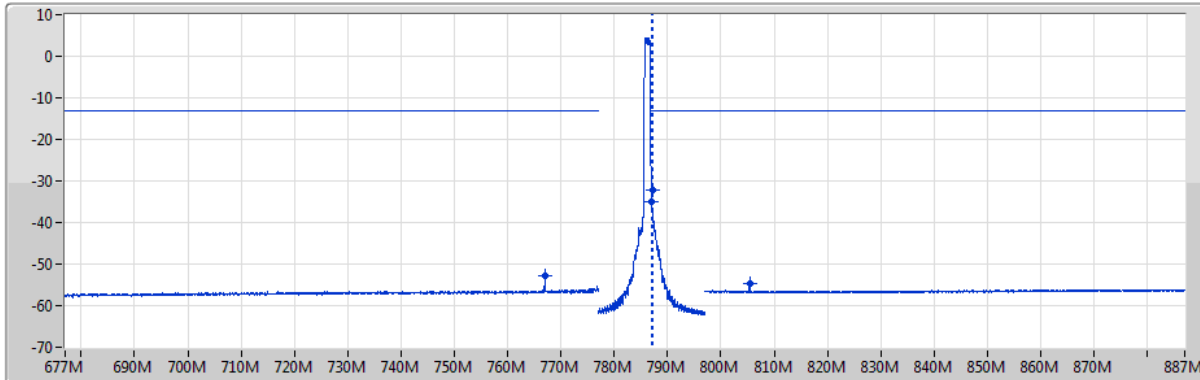
| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 767.01M | -55.68 | -35.00 | -20.68 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 805.41M | -56.65 | -35.00 | -21.65 | 1 | - |



Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

784.5MHz_QPSK_RB 6,#RB 0,NB 3

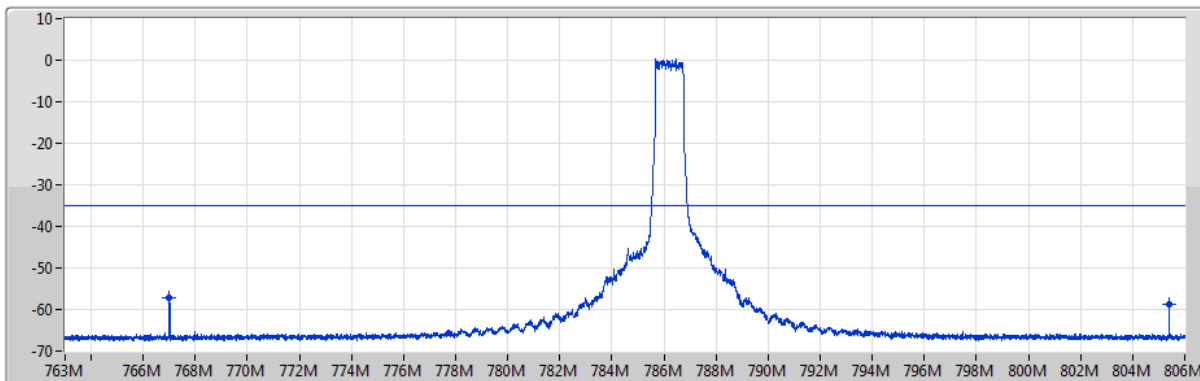


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 777M | 100k | 300k | RMS | 767M | -52.93 | -13.00 | -39.93 | 1 | - |
| 787M | 787.1M | 30k | 100k | RMS | 787M | -34.88 | -13.00 | -21.88 | 1 | - |
| 787.1M | 797M | 30k | 100k | RMS | 787.15M | -32.11 | -13.00 | -19.11 | 1 | MBW 100k |
| 797M | 887M | 100k | 300k | RMS | 805.42M | -54.68 | -13.00 | -41.68 | 1 | - |

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

CSE-TX-Port

784.5MHz_QPSK_RB 6,#RB 0,NB 3

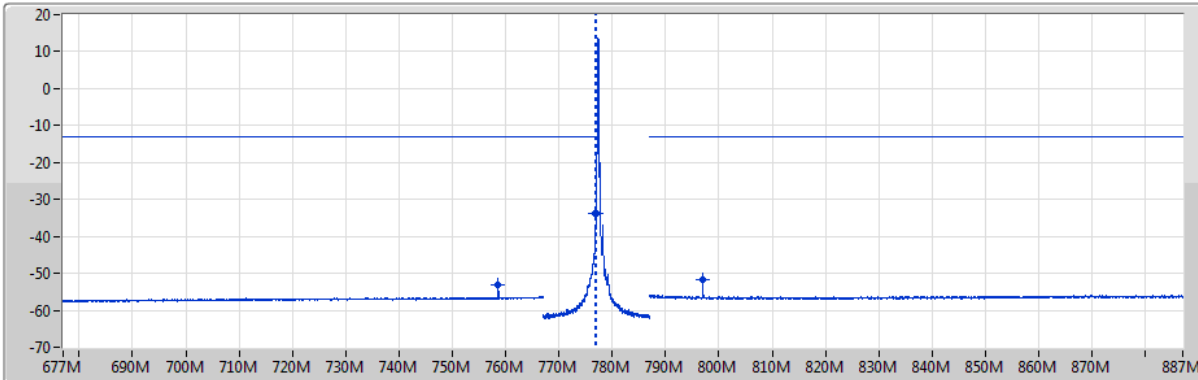


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 767.01M | -57.32 | -35.00 | -22.32 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 805.41M | -58.61 | -35.00 | -23.61 | 1 | - |



Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
779.5MHz_16QAM_RB 1,#RB 0,NB 0

CSE-TX-Port

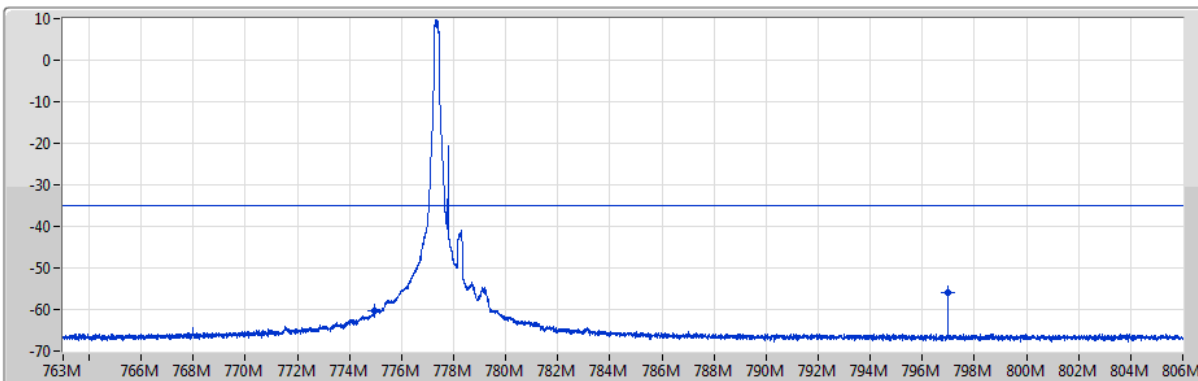


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 767M | 100k | 300k | RMS | 758.59M | -53.18 | -13.00 | -40.18 | 1 | - |
| 767M | 776.9M | 30k | 100k | RMS | 776.85M | -33.63 | -13.00 | -20.63 | 1 | MBW 100k |
| 776.9M | 777M | 30k | 100k | RMS | 777M | -33.74 | -13.00 | -20.74 | 1 | - |
| 787M | 887M | 100k | 300k | RMS | 797M | -51.58 | -13.00 | -38.58 | 1 | - |

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
779.5MHz_16QAM_RB 1,#RB 0,NB 0

CSE-TX-Port



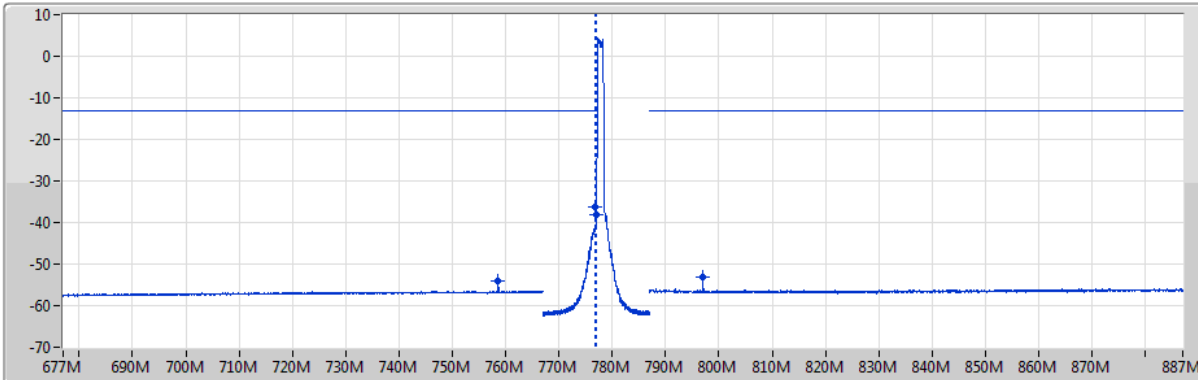
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 774.96M | -60.25 | -35.00 | -25.25 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 796.99M | -55.79 | -35.00 | -20.79 | 1 | - |



Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
779.5MHz_16QAM_RB 6,#RB 0,NB 0

CSE-TX-Port

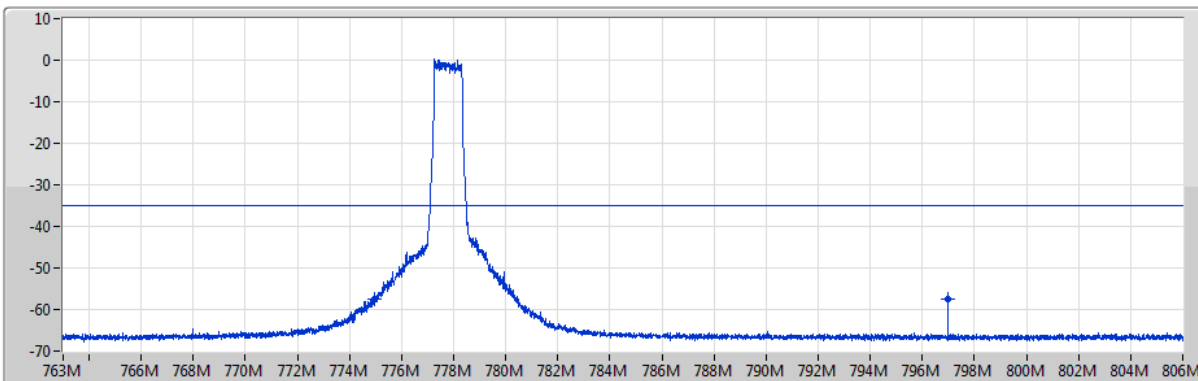


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 767M | 100k | 300k | RMS | 758.59M | -54.20 | -13.00 | -41.20 | 1 | - |
| 767M | 776.9M | 30k | 100k | RMS | 776.85M | -36.14 | -13.00 | -23.14 | 1 | MBW 100k |
| 776.9M | 777M | 30k | 100k | RMS | 777M | -38.22 | -13.00 | -25.22 | 1 | - |
| 787M | 887M | 100k | 300k | RMS | 797M | -53.13 | -13.00 | -40.13 | 1 | - |

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
779.5MHz_16QAM_RB 6,#RB 0,NB 0

CSE-TX-Port



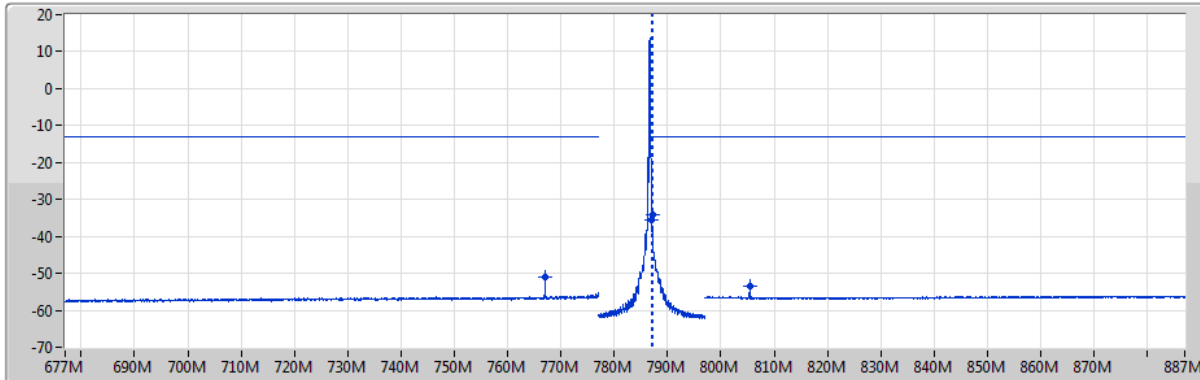
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 774.96M | -57.46 | -35.00 | -22.46 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 796.99M | -57.46 | -35.00 | -22.46 | 1 | - |



Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
784.5MHz_16QAM_RB 1,#RB 5,NB 3

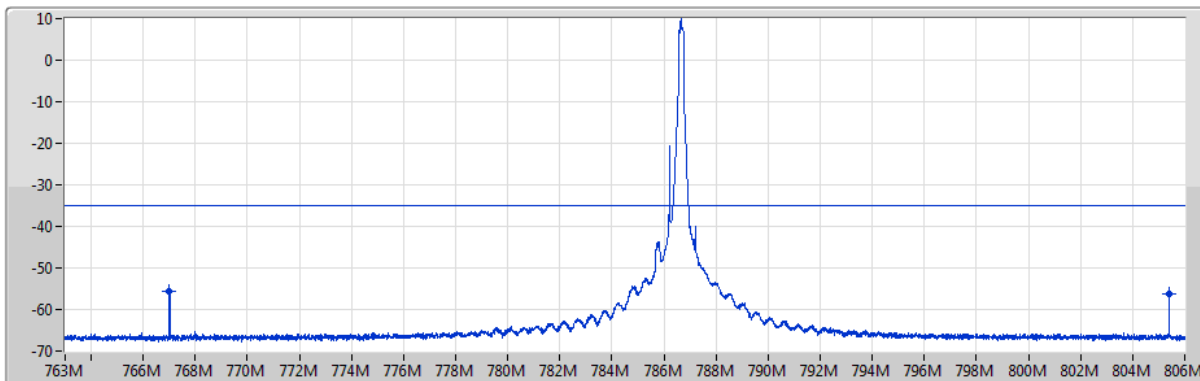
CSE-TX-Port



| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 777M | 100k | 300k | RMS | 767M | -50.92 | -13.00 | -37.92 | 1 | - |
| 787M | 787.1M | 30k | 100k | RMS | 787M | -35.48 | -13.00 | -22.48 | 1 | - |
| 787.1M | 797M | 30k | 100k | RMS | 787.15M | -34.08 | -13.00 | -21.08 | 1 | MBW 100k |
| 797M | 887M | 100k | 300k | RMS | 805.42M | -53.50 | -13.00 | -40.50 | 1 | - |

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
784.5MHz_16QAM_RB 1,#RB 5,NB 3

CSE-TX-Port

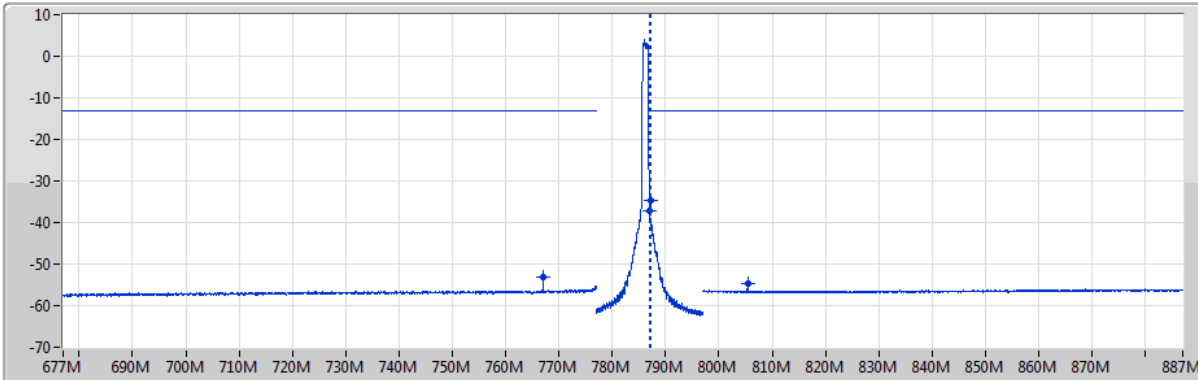


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 767.01M | -55.62 | -35.00 | -20.62 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 805.41M | -56.16 | -35.00 | -21.16 | 1 | - |



Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
784.5MHz_16QAM_RB 6,#RB 0,NB 3

CSE-TX-Port

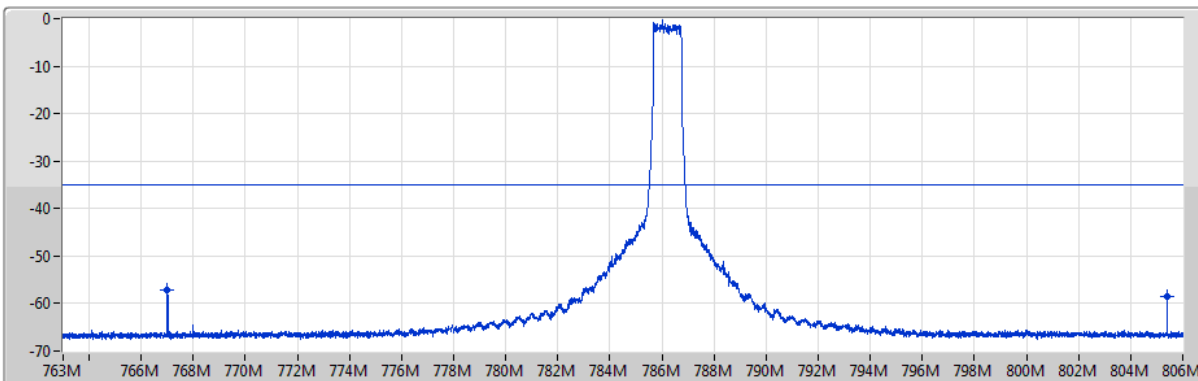


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 777M | 100k | 300k | RMS | 767M | -53.08 | -13.00 | -40.08 | 1 | - |
| 787M | 787.1M | 30k | 100k | RMS | 787M | -37.26 | -13.00 | -24.26 | 1 | - |
| 787.1M | 797M | 30k | 100k | RMS | 787.15M | -34.73 | -13.00 | -21.73 | 1 | MBW 100k |
| 797M | 887M | 100k | 300k | RMS | 805.42M | -54.56 | -13.00 | -41.56 | 1 | - |

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
784.5MHz_16QAM_RB 6,#RB 0,NB 3

CSE-TX-Port



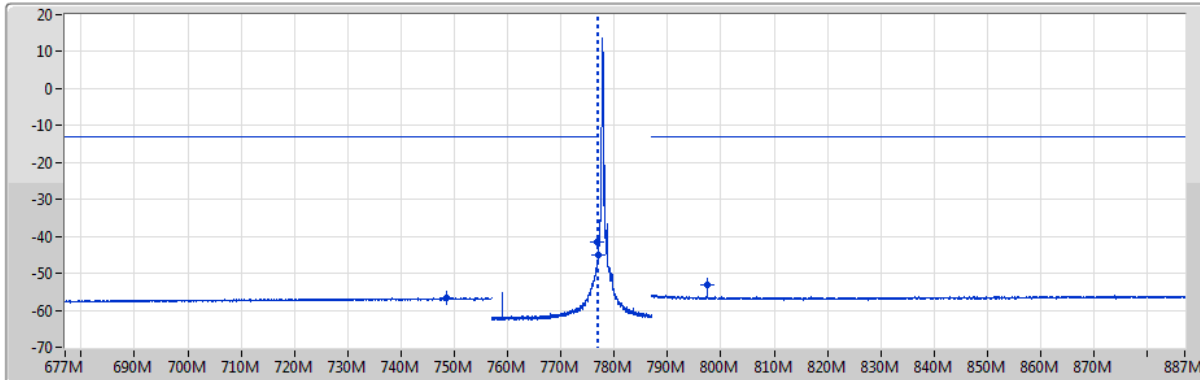
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 767.01M | -57.15 | -35.00 | -22.15 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 805.41M | -58.54 | -35.00 | -23.54 | 1 | - |



Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 1,#RB 0,NB 0

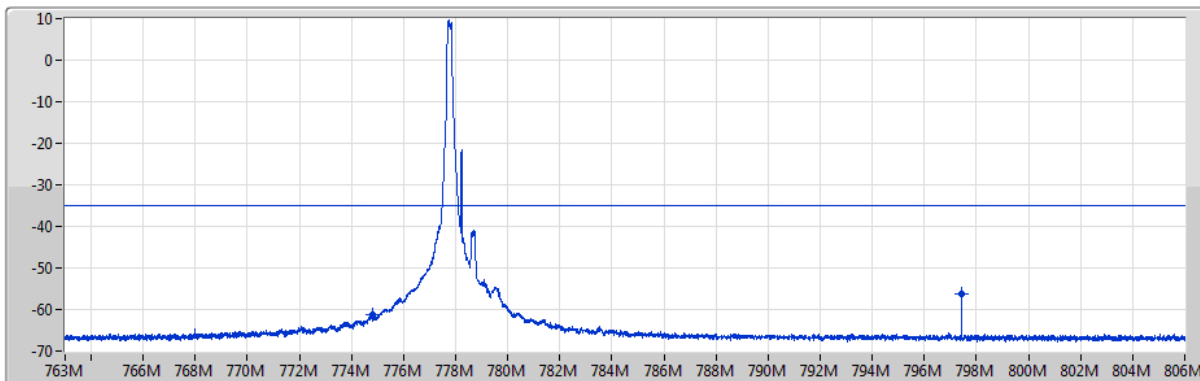
CSE-TX-Port



| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 757M | 100k | 300k | RMS | 748.56M | -56.70 | -13.00 | -43.70 | 1 | - |
| 757M | 776.9M | 30k | 100k | RMS | 776.85M | -41.58 | -13.00 | -28.58 | 1 | MBW 100k |
| 776.9M | 777M | 30k | 100k | RMS | 777M | -45.15 | -13.00 | -32.15 | 1 | - |
| 777M | 887M | 100k | 300k | RMS | 797.45M | -53.04 | -13.00 | -40.04 | 1 | - |

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 1,#RB 0,NB 0

CSE-TX-Port

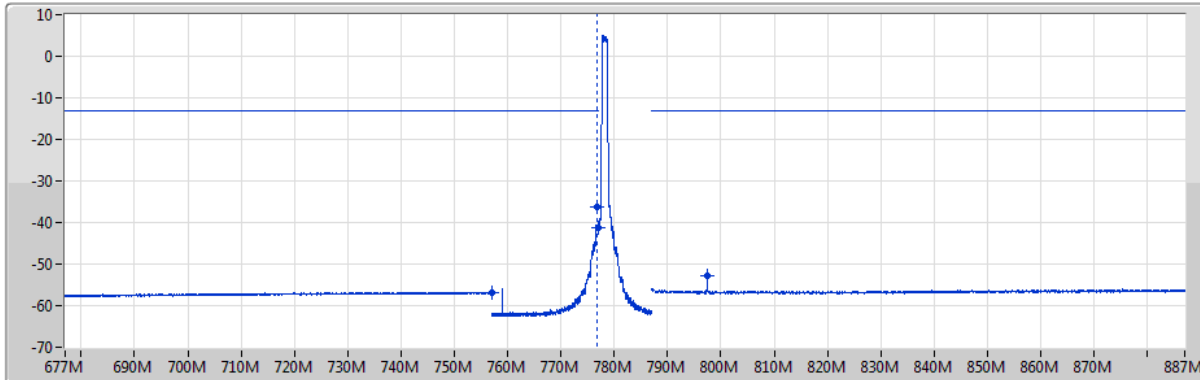


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 774.82M | -61.34 | -35.00 | -26.34 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 797.42M | -56.35 | -35.00 | -21.35 | 1 | - |



Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 6,#RB 0,NB 0

CSE-TX-Port

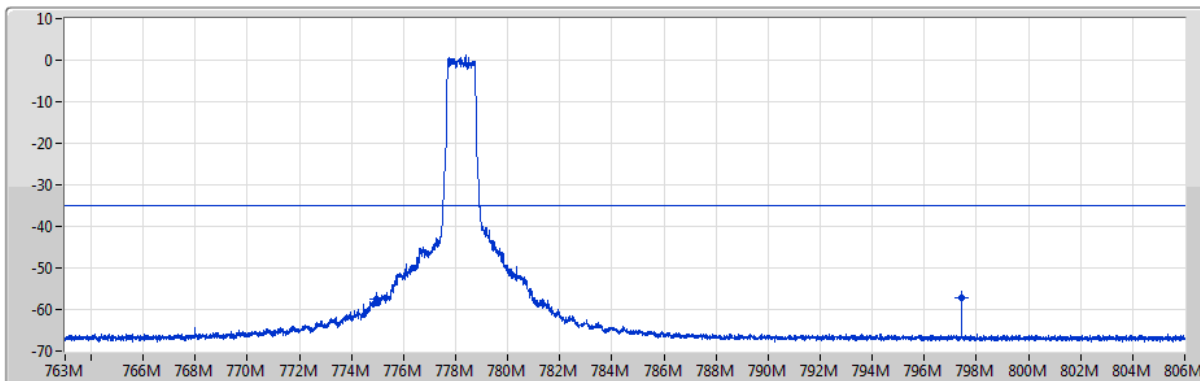


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 757M | 100k | 300k | RMS | 756.96M | -56.77 | -13.00 | -43.77 | 1 | - |
| 757M | 776.9M | 30k | 100k | RMS | 776.75M | -36.10 | -13.00 | -23.10 | 1 | MBW 100k |
| 776.9M | 777M | 30k | 100k | RMS | 776.97M | -41.30 | -13.00 | -28.30 | 1 | - |
| 787M | 887M | 100k | 300k | RMS | 797.4M | -52.82 | -13.00 | -39.82 | 1 | - |

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 6,#RB 0,NB 0

CSE-TX-Port



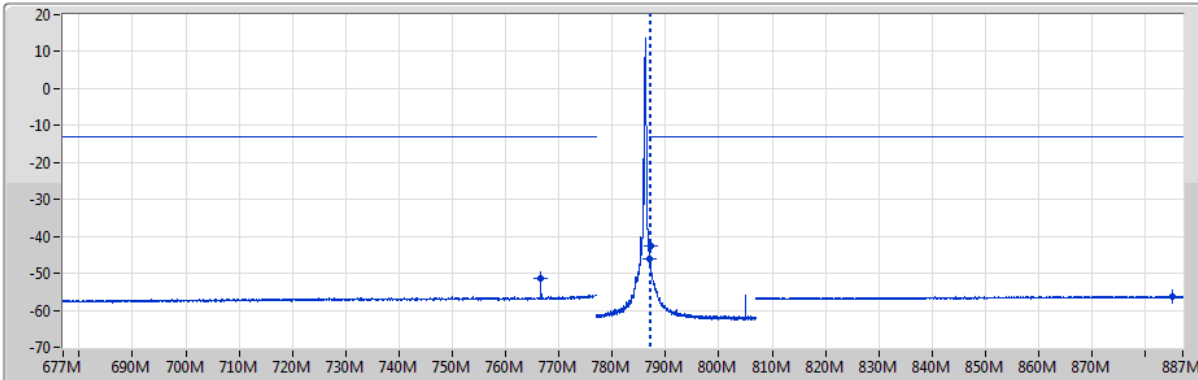
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 774.98M | -57.35 | -35.00 | -22.35 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 797.42M | -57.33 | -35.00 | -22.33 | 1 | - |



Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 1,#RB 5,NB 7

CSE-TX-Port

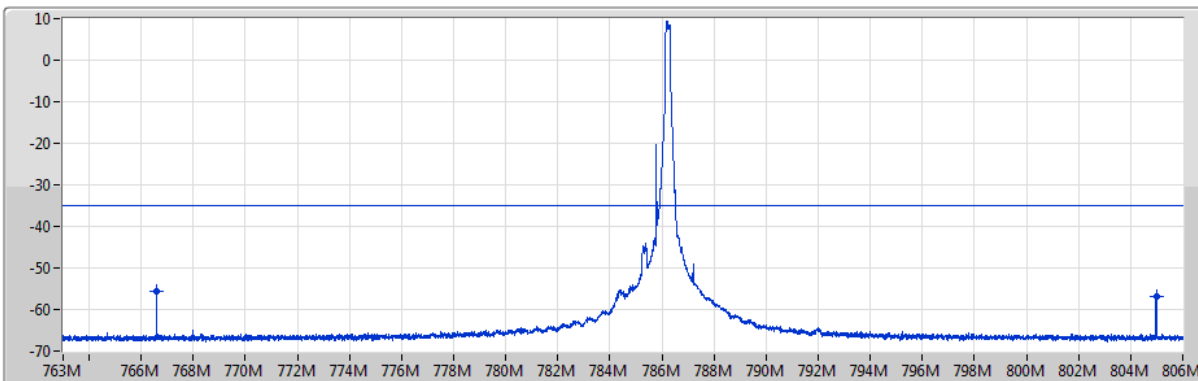


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 777M | 100k | 300k | RMS | 766.6M | -51.25 | -13.00 | -38.25 | 1 | - |
| 787M | 787.1M | 30k | 100k | RMS | 787.01M | -46.24 | -13.00 | -33.24 | 1 | - |
| 787.1M | 807M | 30k | 100k | RMS | 787.15M | -42.68 | -13.00 | -29.68 | 1 | MBW 100k |
| 807M | 887M | 100k | 300k | RMS | 885.16M | -56.22 | -13.00 | -43.22 | 1 | - |

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 1,#RB 5,NB 7

CSE-TX-Port



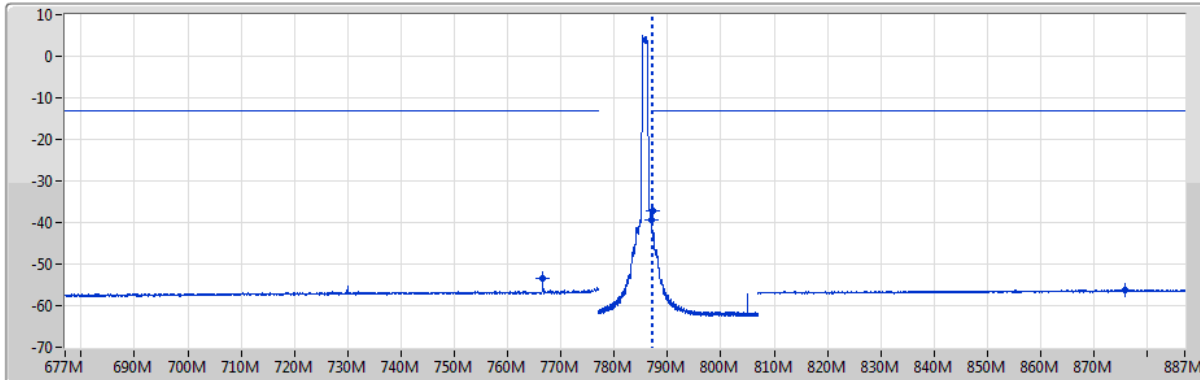
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 766.58M | -55.60 | -35.00 | -20.60 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 804.98M | -56.85 | -35.00 | -21.85 | 1 | - |



Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 6,#RB 0,NB 7

CSE-TX-Port

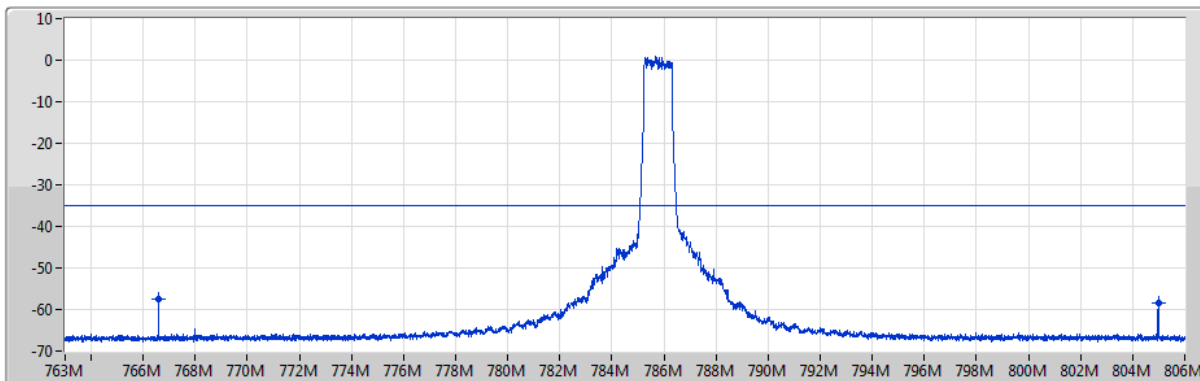


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 777M | 100k | 300k | RMS | 766.55M | -53.52 | -13.00 | -40.52 | 1 | - |
| 787M | 787.1M | 30k | 100k | RMS | 787.02M | -39.33 | -13.00 | -26.33 | 1 | - |
| 787.1M | 807M | 30k | 100k | RMS | 787.15M | -37.21 | -13.00 | -24.21 | 1 | MBW 100k |
| 807M | 887M | 100k | 300k | RMS | 875.72M | -56.17 | -13.00 | -43.17 | 1 | - |

Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 6,#RB 0,NB 7

CSE-TX-Port



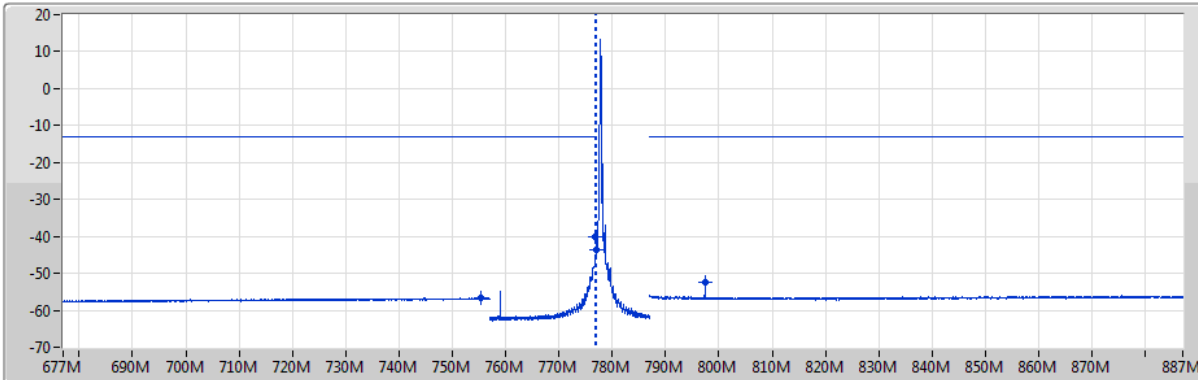
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 766.58M | -57.43 | -35.00 | -22.43 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 804.98M | -58.35 | -35.00 | -23.35 | 1 | - |



Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 1,#RB 0,NB 0

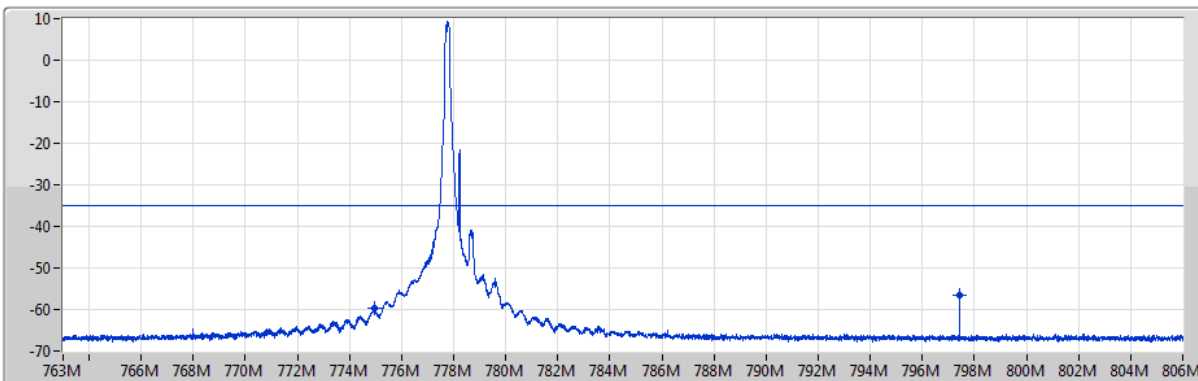
CSE-TX-Port



| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 757M | 100k | 300k | RMS | 755.28M | -56.70 | -13.00 | -43.70 | 1 | - |
| 757M | 776.9M | 30k | 100k | RMS | 776.85M | -40.28 | -13.00 | -27.28 | 1 | MBW 100k |
| 776.9M | 777M | 30k | 100k | RMS | 777M | -43.53 | -13.00 | -30.53 | 1 | - |
| 777M | 887M | 100k | 300k | RMS | 797.4M | -52.59 | -13.00 | -39.59 | 1 | - |

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 1,#RB 0,NB 0

CSE-TX-Port

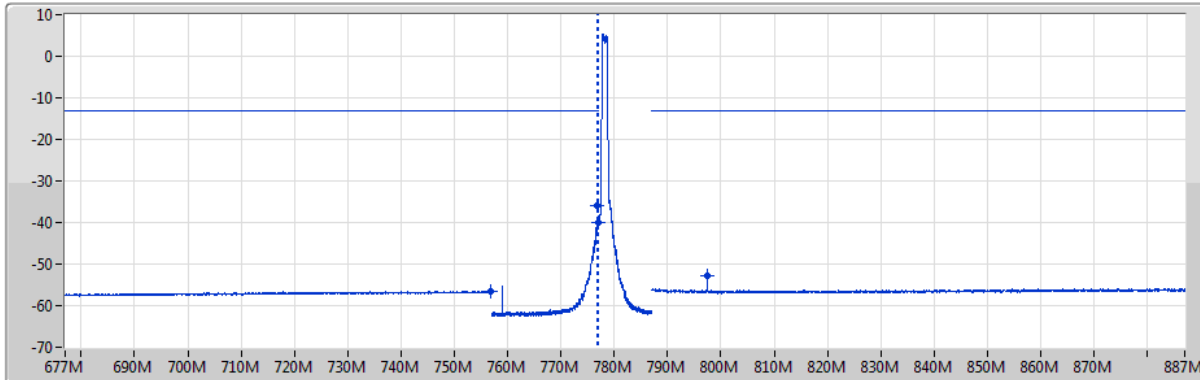


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 774.95M | -59.80 | -35.00 | -24.80 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 797.42M | -56.43 | -35.00 | -21.43 | 1 | - |



Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 6,#RB 0,NB 0

CSE-TX-Port

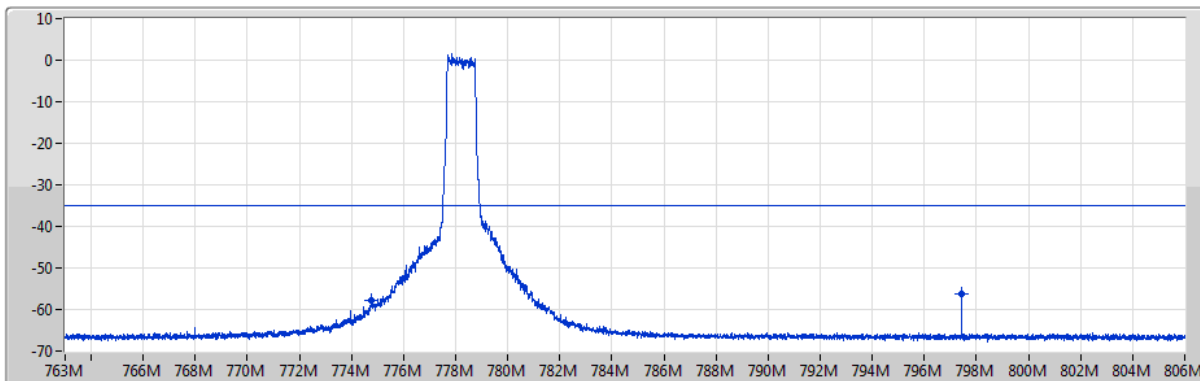


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 757M | 100k | 300k | RMS | 756.88M | -56.61 | -13.00 | -43.61 | 1 | - |
| 757M | 776.9M | 30k | 100k | RMS | 776.85M | -35.94 | -13.00 | -22.94 | 1 | MBW 100k |
| 776.9M | 777M | 30k | 100k | RMS | 776.99M | -40.15 | -13.00 | -27.15 | 1 | - |
| 787M | 887M | 100k | 300k | RMS | 797.4M | -52.68 | -13.00 | -39.68 | 1 | - |

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 6,#RB 0,NB 0

CSE-TX-Port



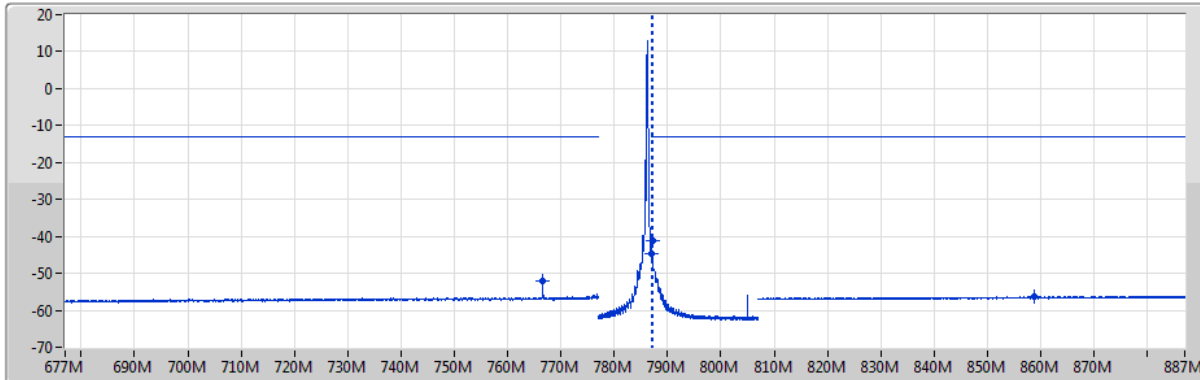
Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 774.77M | -57.87 | -35.00 | -22.87 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 797.42M | -56.20 | -35.00 | -21.20 | 1 | - |



Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 1,#RB 5,NB 7

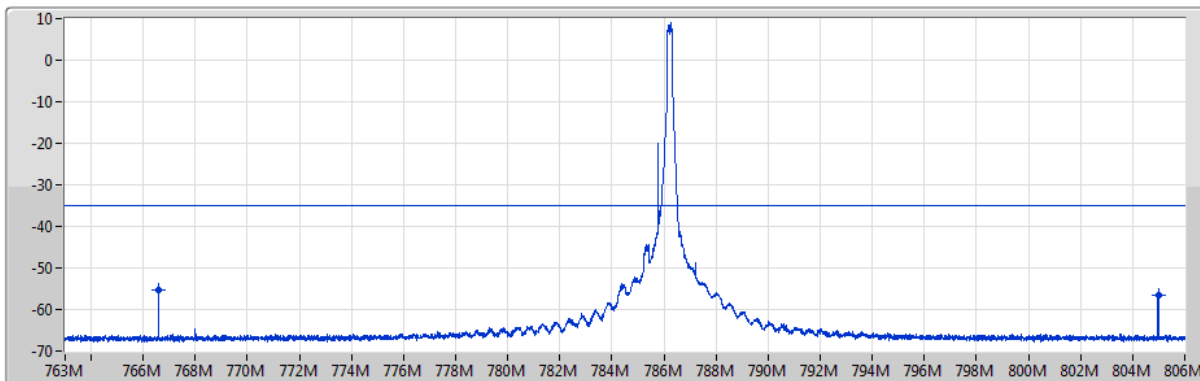
CSE-TX-Port



| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 777M | 100k | 300k | RMS | 766.55M | -52.00 | -13.00 | -39.00 | 1 | - |
| 787M | 787.1M | 30k | 100k | RMS | 787M | -44.76 | -13.00 | -31.76 | 1 | - |
| 787.1M | 807M | 30k | 100k | RMS | 787.15M | -41.19 | -13.00 | -28.19 | 1 | MBW 100k |
| 807M | 887M | 100k | 300k | RMS | 858.88M | -56.21 | -13.00 | -43.21 | 1 | - |

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 1,#RB 5,NB 7

CSE-TX-Port

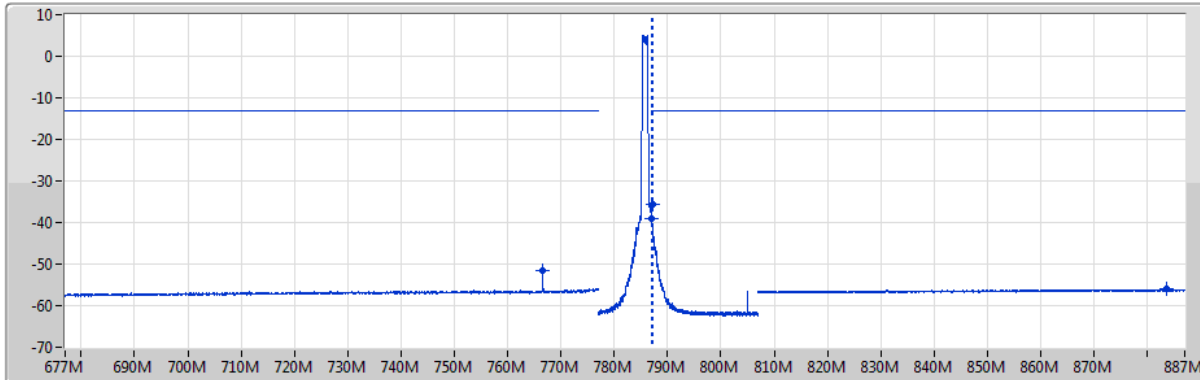


| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 766.58M | -55.36 | -35.00 | -20.36 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 804.98M | -56.54 | -35.00 | -21.54 | 1 | - |



Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 6,#RB 0,NB 7

CSE-TX-Port

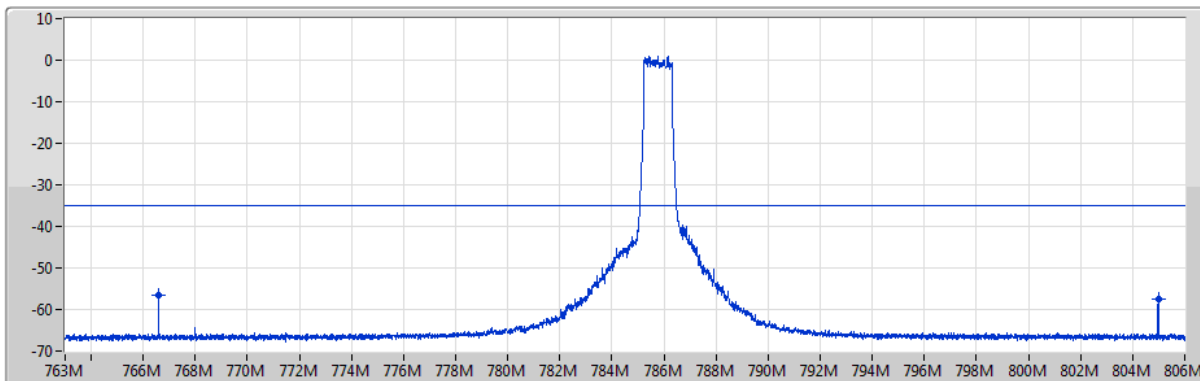


Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|----------|
| 677M | 777M | 100k | 300k | RMS | 766.6M | -51.64 | -13.00 | -38.64 | 1 | - |
| 787M | 787.1M | 30k | 100k | RMS | 787M | -39.12 | -13.00 | -26.12 | 1 | - |
| 787.1M | 807M | 30k | 100k | RMS | 787.15M | -35.59 | -13.00 | -22.59 | 1 | MBW 100k |
| 807M | 887M | 100k | 300k | RMS | 883.56M | -56.05 | -13.00 | -43.05 | 1 | - |

Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 6,#RB 0,NB 7

CSE-TX-Port



Port1

| F-Start(Hz) | F-Stop(Hz) | RBW(Hz) | VBW(Hz) | Detector | Freq(Hz) | Level(dBm) | Limit(dBm) | Margin(dB) | Port | Remark |
|-------------|------------|---------|---------|----------|----------|------------|------------|------------|------|--------|
| 763M | 775M | 10k | 30k | RMS | 766.58M | -56.57 | -35.00 | -21.57 | 1 | - |
| 793M | 806M | 10k | 30k | RMS | 804.98M | -57.39 | -35.00 | -22.39 | 1 | - |



Summary

| Mode | Max-NdB (Hz) | Max-OBW (Hz) | ITU-Code | Min-NdB (Hz) | Min-OBW (Hz) |
|-----------------------------|-----------------|-----------------|----------|-----------------|-----------------|
| Band 13 | - | - | - | - | - |
| LTE-M1_5MHz_Nss1,QPSK_1TX | 1.238M | 1.086M | 1M09G7D | 1.219M | 1.072M |
| LTE-M1_5MHz_Nss1,16QAM_1TX | 1.281M | 1.089M | 1M09W7D | 1.263M | 1.08M |
| LTE-M1_10MHz_Nss1,QPSK_1TX | 1.25M | 1.094M | 1M09G7D | 1.25M | 1.093M |
| LTE-M1_10MHz_Nss1,16QAM_1TX | 1.263M | 1.092M | 1M09W7D | 1.263M | 1.091M |

Max-N dB = Maximum 26dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 26dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth;



Result

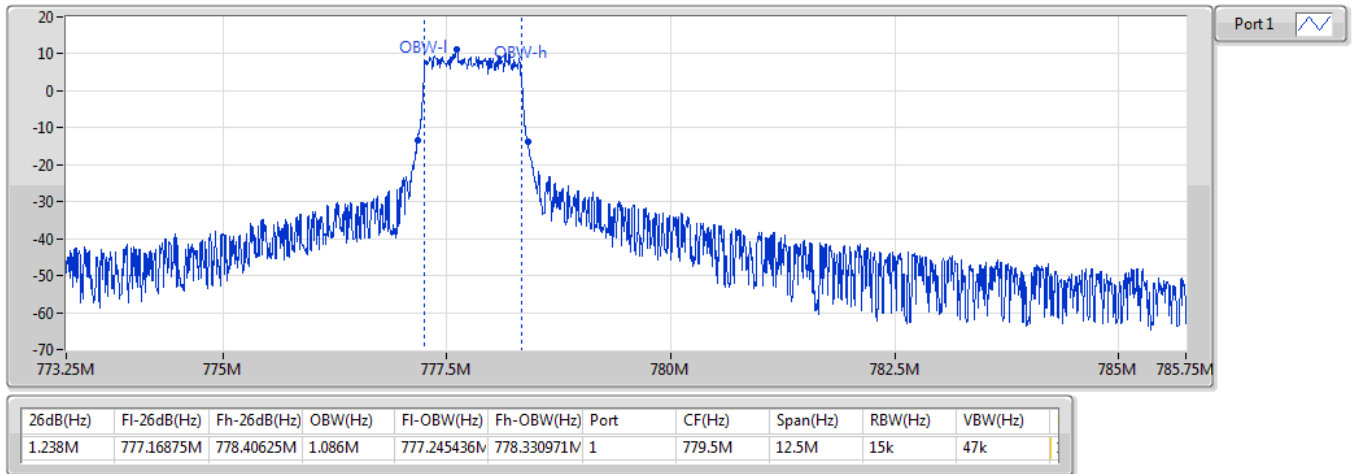
| Mode | Result | Limit (Hz) | Port 1-NdB (Hz) | Port 1-OBW (Hz) |
|--------------------------------|--------|------------|-----------------|-----------------|
| Band 13_LTE-M1_5MHz_Nss1_1TX | - | - | - | - |
| 779.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | Inf | 1.238M | 1.086M |
| 782MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | Inf | 1.238M | 1.083M |
| 784.5MHz_QPSK_RB 6,#RB 0,NB 3 | Pass | Inf | 1.219M | 1.072M |
| 779.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | Inf | 1.263M | 1.087M |
| 782MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | Inf | 1.281M | 1.089M |
| 784.5MHz_16QAM_RB 6,#RB 0,NB 3 | Pass | Inf | 1.275M | 1.08M |
| Band 13_LTE-M1_10MHz_Nss1_1TX | - | - | - | - |
| 782MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | Inf | 1.25M | 1.094M |
| 782MHz_QPSK_RB 6,#RB 0,NB 7 | Pass | Inf | 1.25M | 1.093M |
| 782MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | Inf | 1.263M | 1.092M |
| 782MHz_16QAM_RB 6,#RB 0,NB 7 | Pass | Inf | 1.263M | 1.091M |

Port X-N dB = Port X 26dB down bandwidth; Port X-OBW = Port X 99% occupied bandwidth;



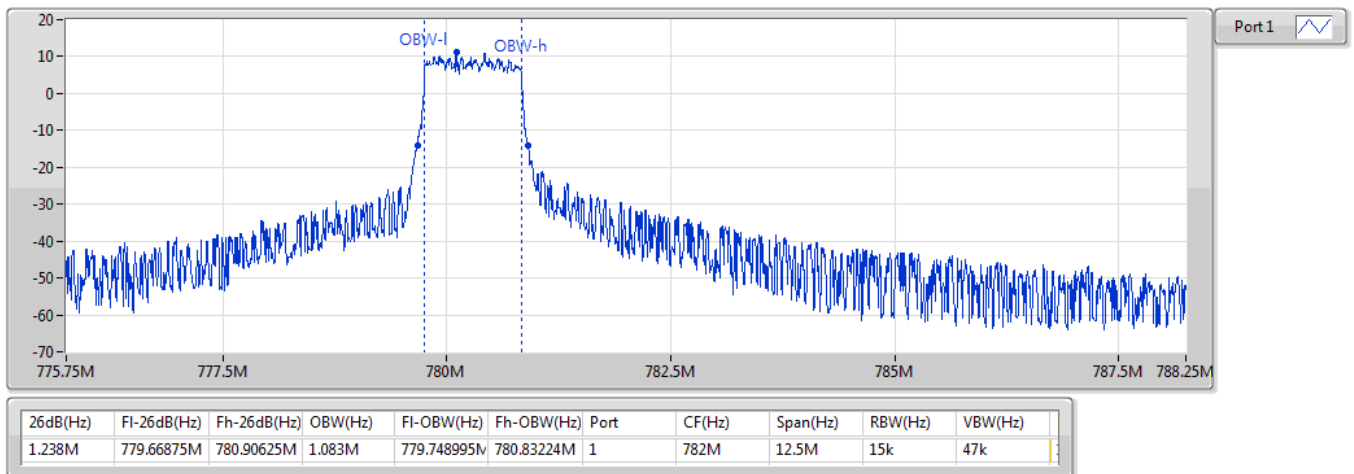
Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX
779.5MHz_QPSK_RB 6,#RB 0,NB 0

EBW



Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 6,#RB 0,NB 0

EBW

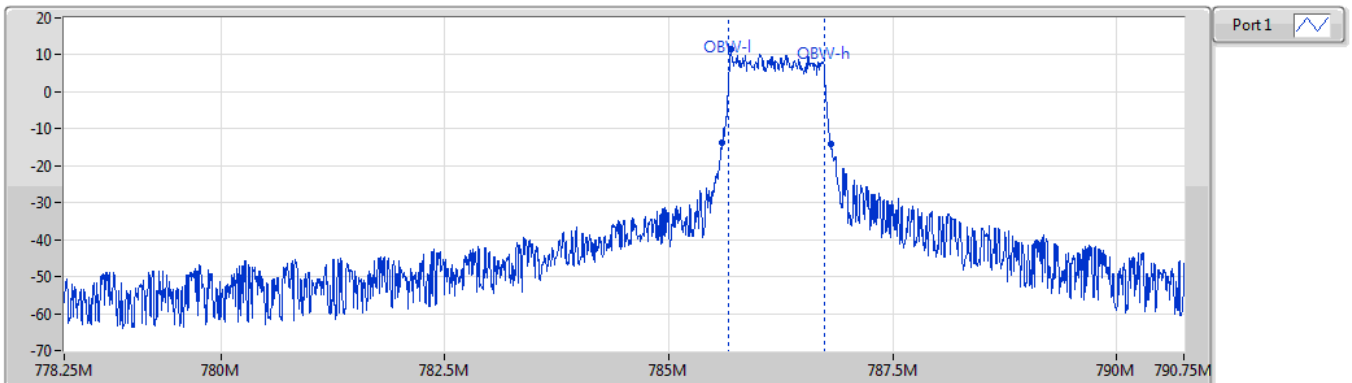




Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX

EBW

784.5MHz_QPSK_RB 6,#RB 0,NB 3

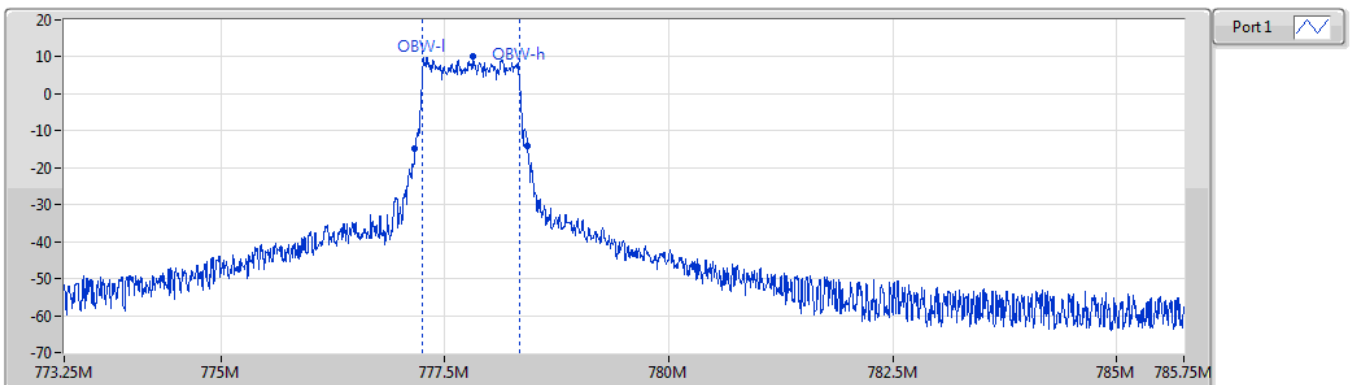


| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.219M | 785.5875M | 786.80625M | 1.072M | 785.669605M | 786.741762M | 1 | 784.5M | 12.5M | 15k | 47k |

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX

EBW

779.5MHz_16QAM_RB 6,#RB 0,NB 0

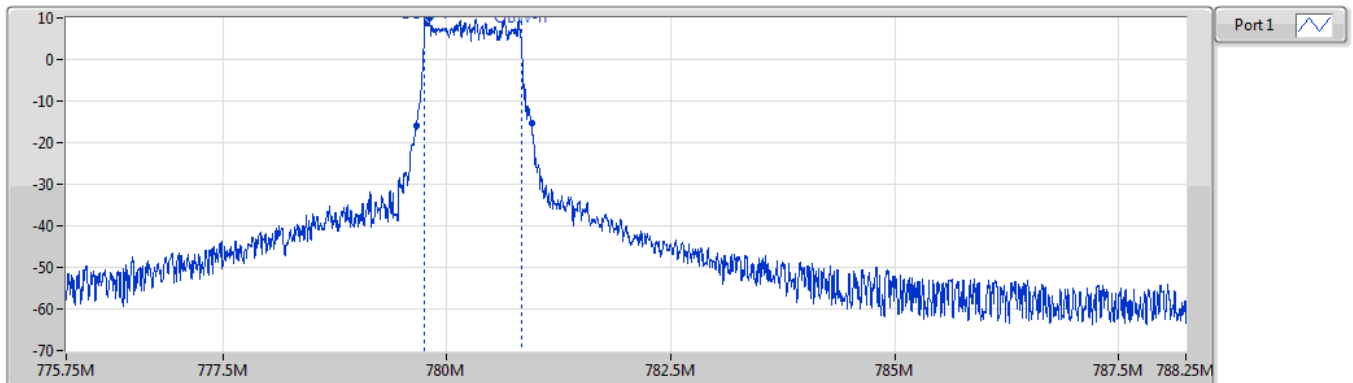


| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.263M | 777.1625M | 778.425M | 1.087M | 777.247338M | 778.333942M | 1 | 779.5M | 12.5M | 15k | 47k |



Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 6,#RB 0,NB 0

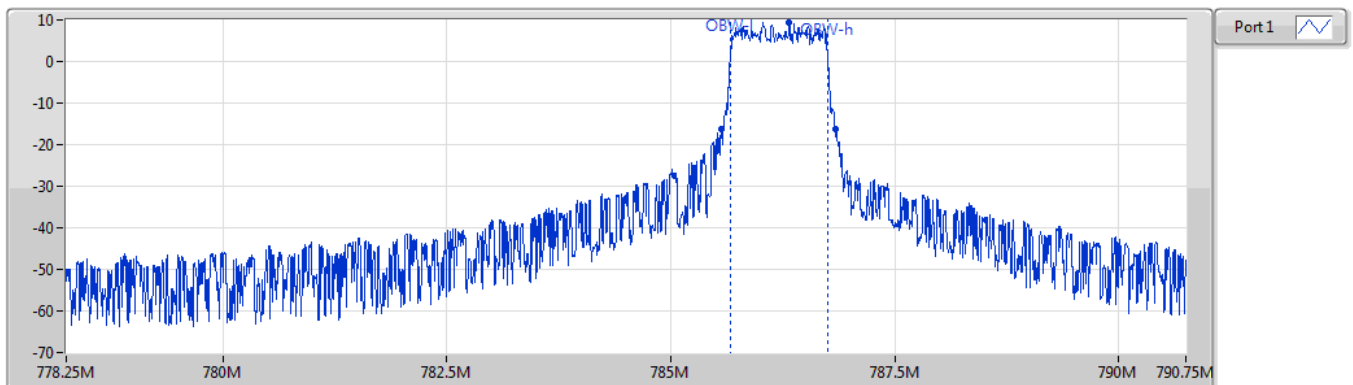
EBW



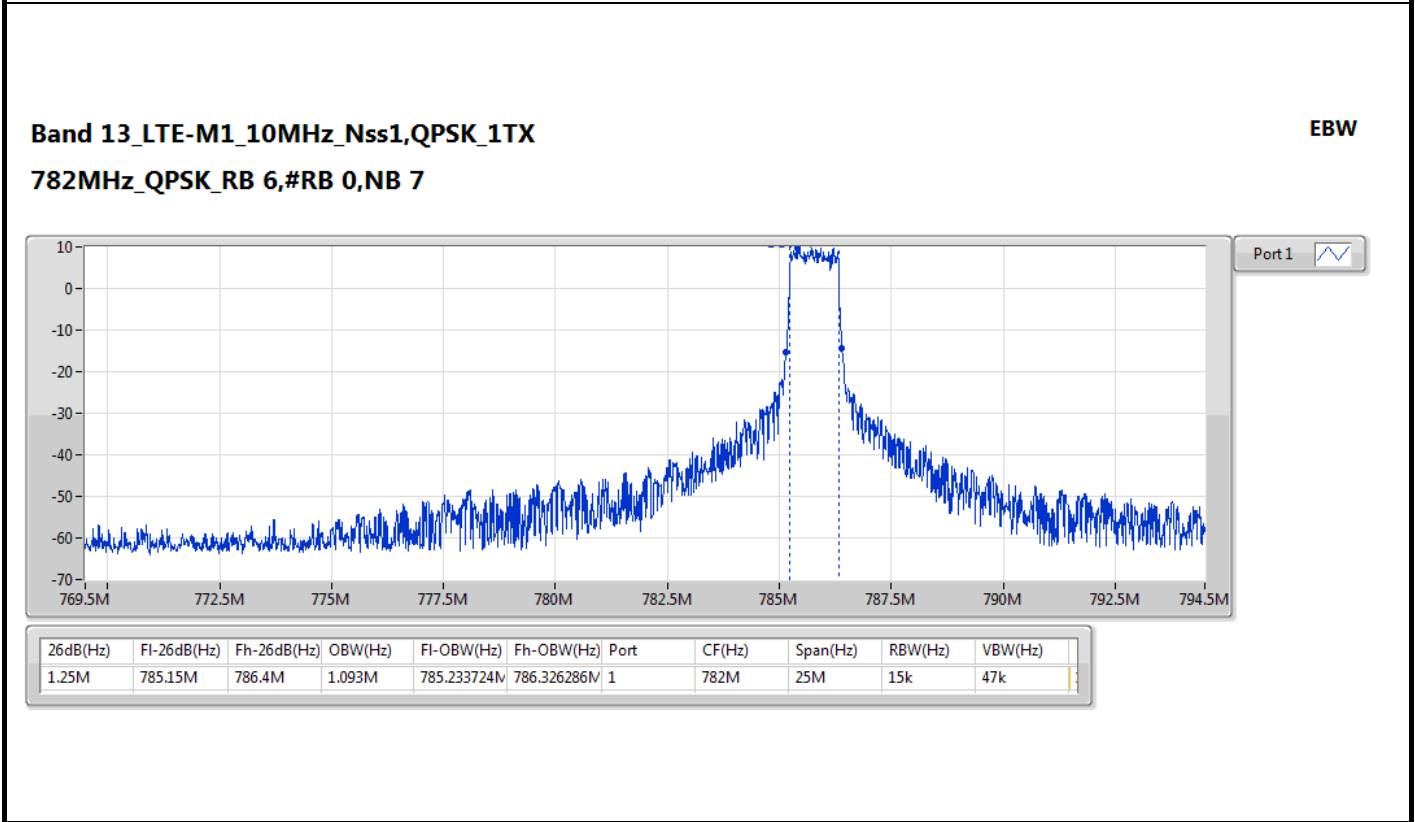
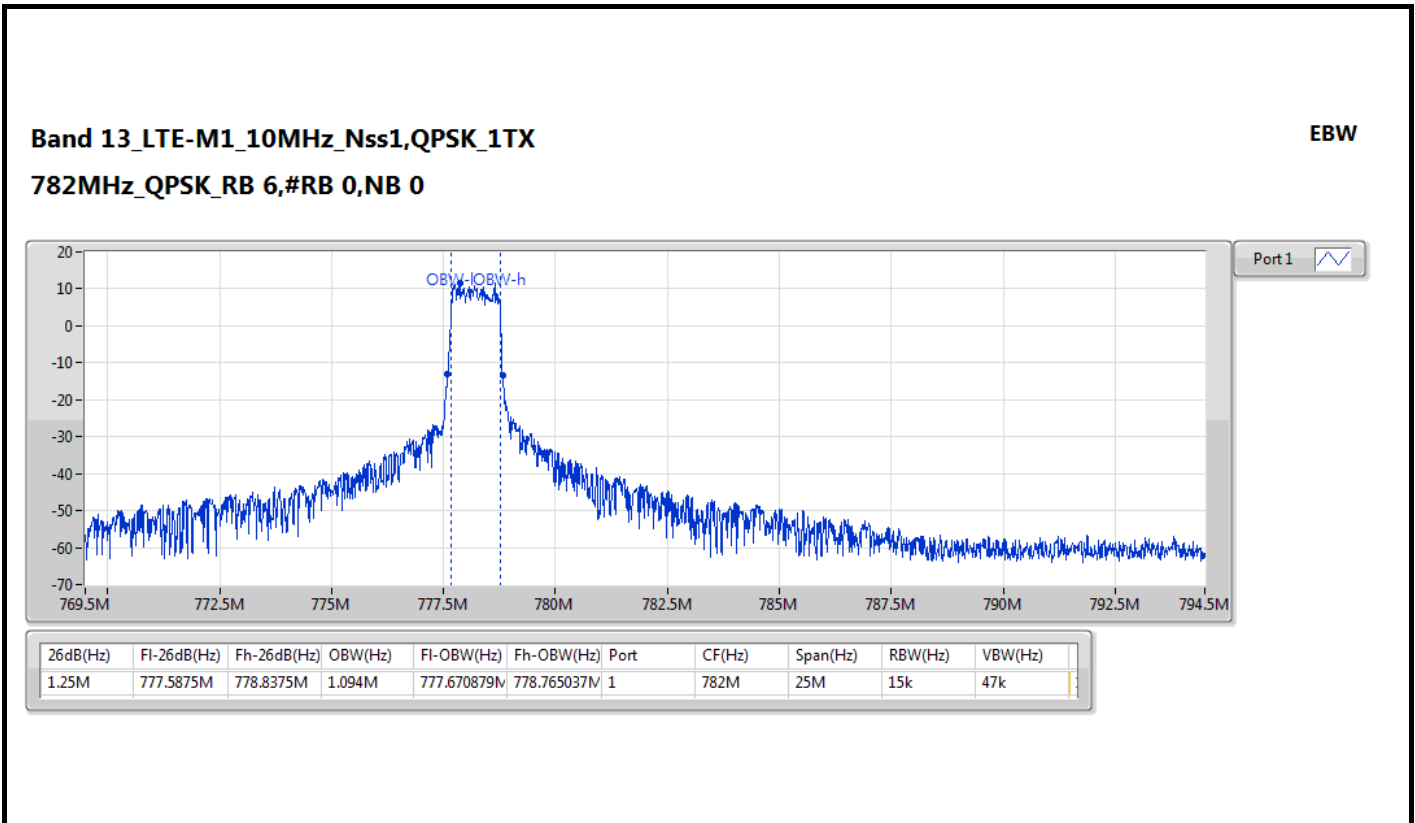
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.281M | 779.6625M | 780.94375M | 1.089M | 779.743039M | 780.831969M | 1 | 782M | 12.5M | 15k | 47k |

Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
784.5MHz_16QAM_RB 6,#RB 0,NB 3

EBW



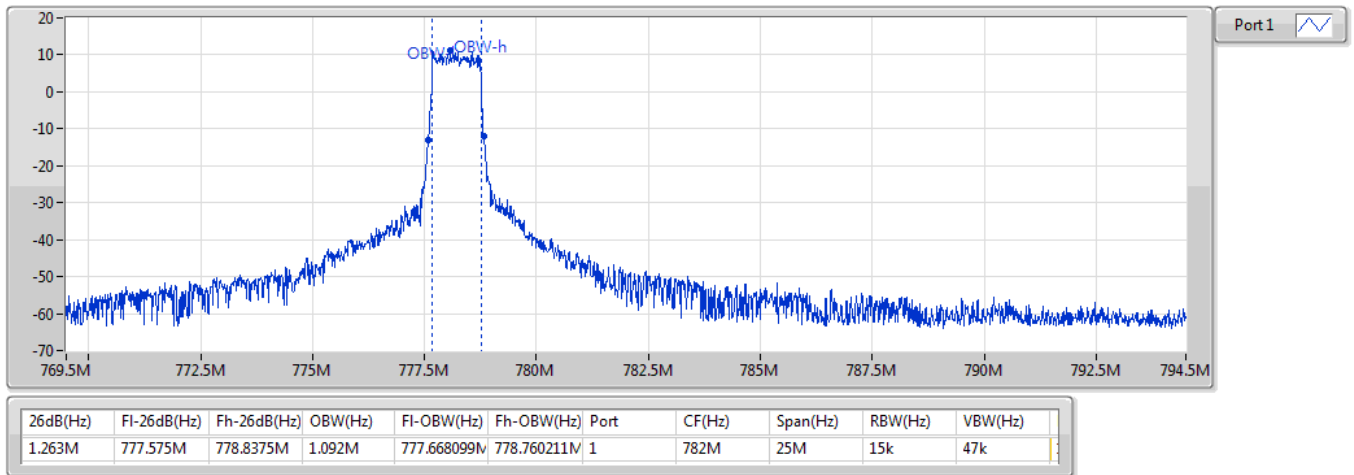
| 26dB(Hz) | Fl-26dB(Hz) | Fh-26dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Port | CF(Hz) | Span(Hz) | RBW(Hz) | VBW(Hz) |
|----------|-------------|-------------|---------|-------------|-------------|------|--------|----------|---------|---------|
| 1.275M | 785.5625M | 786.8375M | 1.08M | 785.667924M | 786.747911M | 1 | 784.5M | 12.5M | 15k | 47k |





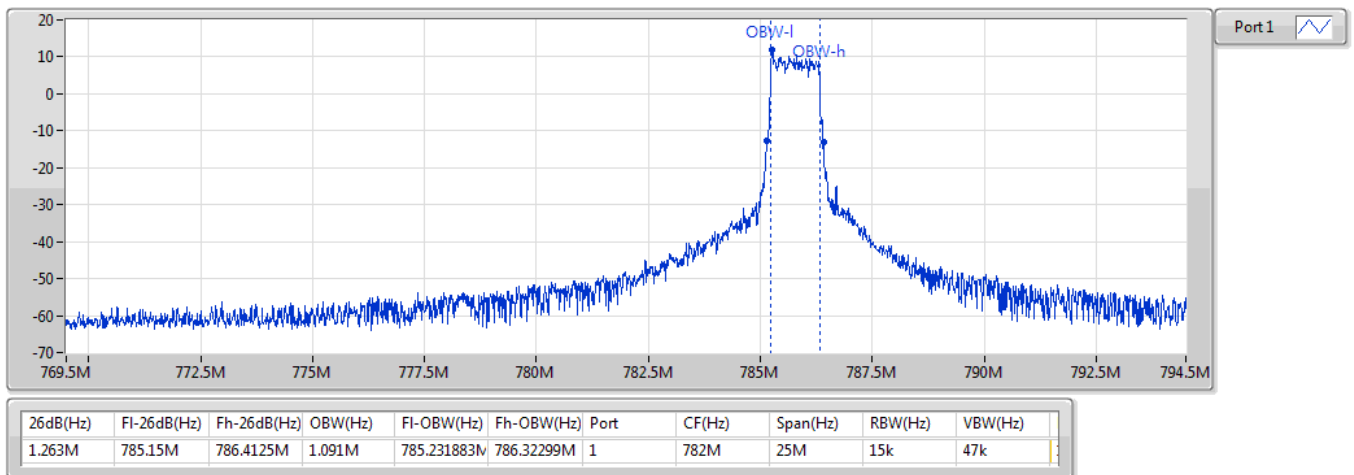
Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 6,#RB 0,NB 0

EBW



Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 6,#RB 0,NB 7

EBW





Summary

| Mode | Result | Freq (MHz) | Limit (dB) | 0.1% | Port |
|-----------------------------|--------|------------|------------|------|------|
| Band 13 | - | - | - | - | - |
| LTE-M1_5MHz_Nss1,QPSK_1TX | Pass | 782 | 13.00 | 5.36 | 1 |
| LTE-M1_5MHz_Nss1,16QAM_1TX | Pass | 784.5 | 13.00 | 6.18 | 1 |
| LTE-M1_10MHz_Nss1,QPSK_1TX | Pass | 782 | 13.00 | 5.36 | 1 |
| LTE-M1_10MHz_Nss1,16QAM_1TX | Pass | 782 | 13.00 | 5.90 | 1 |



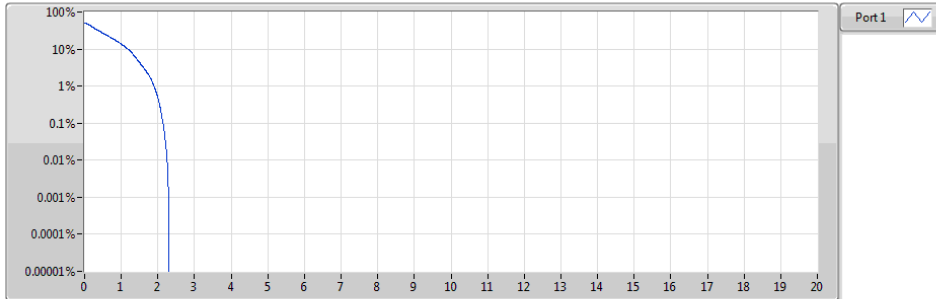
Result

| Mode | Result | Freq (MHz) | Limit (dB) | 0.1% | Port |
|--------------------------------|--------|------------|------------|------|------|
| Band 13_LTE-M1_5MHz_Nss1_1TX | - | - | - | - | - |
| 779.5MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 779.5 | 13.00 | 5.35 | 1 |
| 782MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 782 | 13.00 | 5.36 | 1 |
| 784.5MHz_QPSK_RB 6,#RB 0,NB 3 | Pass | 784.5 | 13.00 | 5.07 | 1 |
| 779.5MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 779.5 | 13.00 | 6.03 | 1 |
| 782MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 782 | 13.00 | 6.16 | 1 |
| 784.5MHz_16QAM_RB 6,#RB 0,NB 3 | Pass | 784.5 | 13.00 | 6.18 | 1 |
| Band 13_LTE-M1_10MHz_Nss1_1TX | - | - | - | - | - |
| 782MHz_QPSK_RB 6,#RB 0,NB 0 | Pass | 782 | 13.00 | 5.36 | 1 |
| 782MHz_16QAM_RB 6,#RB 0,NB 0 | Pass | 782 | 13.00 | 5.90 | 1 |



Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX
779.5MHz_QPSK_RB 6,#RB 0,NB 0

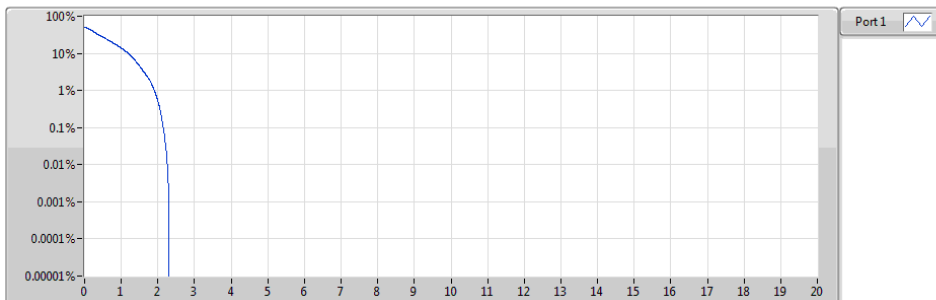
PAR



| Freq (MHz) | MBW(Hz) | 0.1% | Margin(dB) | Limit(dB) | Port |
|------------|---------|------|------------|-----------|------|
| 779.5 | 20M | 5.35 | -7.65 | 13.00 | 1 |

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 6,#RB 0,NB 0

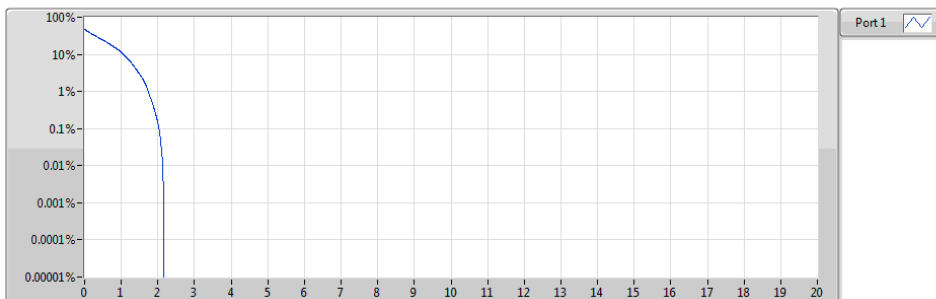
PAR



| Freq (MHz) | MBW(Hz) | 0.1% | Margin(dB) | Limit(dB) | Port |
|------------|---------|------|------------|-----------|------|
| 782 | 20M | 5.36 | -7.64 | 13.00 | 1 |

Band 13_LTE-M1_5MHz_Nss1,QPSK_1TX
784.5MHz_QPSK_RB 6,#RB 0,NB 3

PAR

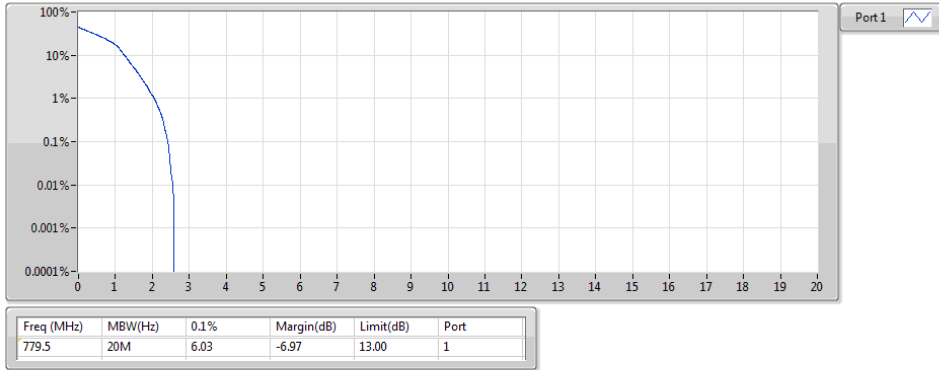


| Freq (MHz) | MBW(Hz) | 0.1% | Margin(dB) | Limit(dB) | Port |
|------------|---------|------|------------|-----------|------|
| 784.5 | 20M | 5.07 | -7.93 | 13.00 | 1 |



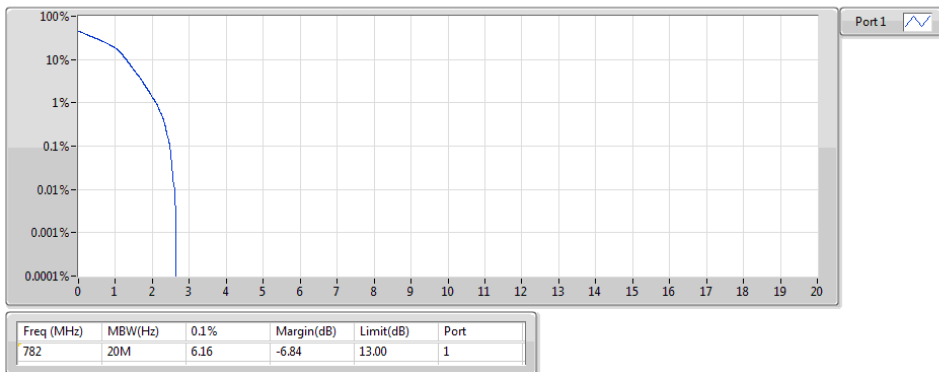
Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
779.5MHz_16QAM_RB 6,#RB 0,NB 0

PAR



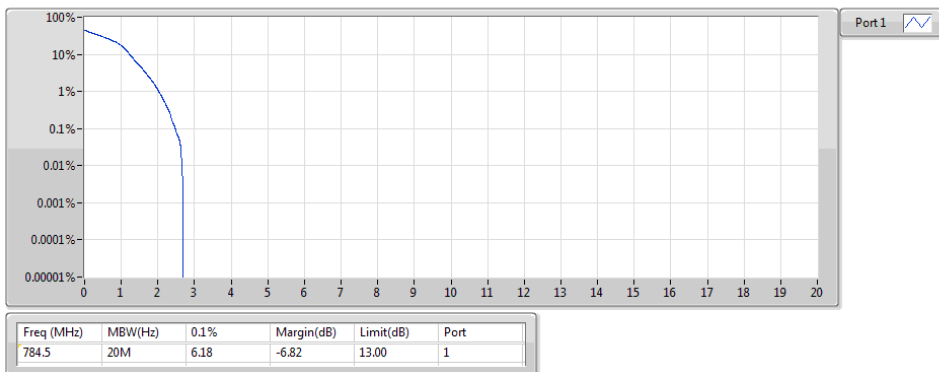
Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 6,#RB 0,NB 0

PAR



Band 13_LTE-M1_5MHz_Nss1,16QAM_1TX
784.5MHz_16QAM_RB 6,#RB 0,NB 3

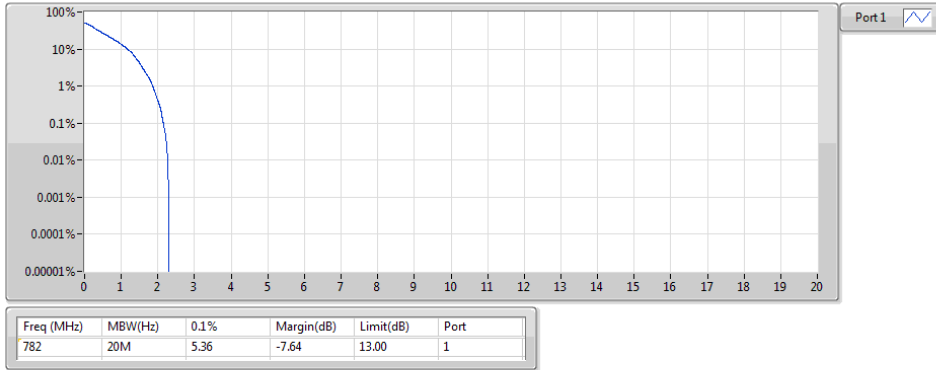
PAR





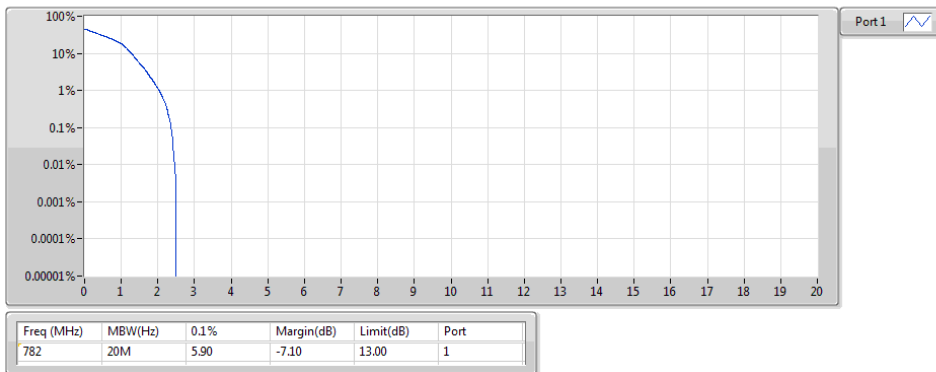
Band 13_LTE-M1_10MHz_Nss1,QPSK_1TX
782MHz_QPSK_RB 6,#RB 0,NB 0

PAR



Band 13_LTE-M1_10MHz_Nss1,16QAM_1TX
782MHz_16QAM_RB 6,#RB 0,NB 0

PAR





| CB: 5MHz | | | | |
|------------------|-----------------------|----------------------|-----------------------|----------------------|
| Temperature (°C) | 779.5MHz | | 784.5MHz | |
| | Frequency Drift (ppm) | F _L (MHz) | Frequency Drift (ppm) | F _H (MHz) |
| T20°CVmax | 0.010 | 777.245451 | 0.009 | 786.747918 |
| T20°CVmin | 0.009 | 777.245452 | 0.010 | 786.747919 |
| T60°CVnom | 0.023 | 777.245453 | 0.019 | 786.747926 |
| T50°CVnom | 0.013 | 777.245454 | 0.017 | 786.747924 |
| T40°CVnom | 0.010 | 777.245455 | 0.011 | 786.747920 |
| T30°CVnom | 0.009 | 777.245456 | 0.010 | 786.747919 |
| T20°CVnom | 0.009 | 777.245457 | 0.009 | 786.747918 |
| T10°CVnom | -0.013 | 777.245458 | -0.014 | 786.747900 |
| T0°CVnom | -0.014 | 777.245459 | -0.015 | 786.747899 |
| T-10°CVnom | -0.017 | 777.245460 | -0.014 | 786.747900 |
| T-20°CVnom | -0.021 | 777.245461 | -0.019 | 786.747896 |
| T-30°CVnom | -0.019 | 777.245462 | -0.022 | 786.747894 |
| Limit | | >776MHz | | <788MHz |

| CB: 10MHz | | | | |
|------------------|-----------------------|----------------------|-----------------------|----------------------|
| Temperature (°C) | 782MHz | | 782MHz | |
| | Frequency Drift (ppm) | F _L (MHz) | Frequency Drift (ppm) | F _H (MHz) |
| T20°CVmax | 0.009 | 777.668140 | 0.010 | 786.326294 |
| T20°CVmin | 0.012 | 777.668141 | 0.012 | 786.326295 |
| T60°CVnom | 0.022 | 777.668142 | 0.018 | 786.326300 |
| T50°CVnom | 0.017 | 777.668143 | 0.015 | 786.326298 |
| T40°CVnom | 0.013 | 777.668144 | 0.010 | 786.326294 |
| T30°CVnom | 0.010 | 777.668145 | 0.012 | 786.326295 |
| T20°CVnom | 0.009 | 777.668146 | 0.010 | 786.326294 |
| T10°CVnom | -0.012 | 777.668147 | -0.015 | 786.326274 |
| T0°CVnom | -0.015 | 777.668148 | -0.017 | 786.326273 |
| T-10°CVnom | -0.018 | 777.668149 | -0.019 | 786.326271 |
| T-20°CVnom | -0.017 | 777.668150 | -0.018 | 786.326272 |
| T-30°CVnom | -0.023 | 777.668151 | -0.020 | 786.326270 |
| Limit | | >776MHz | | <788MHz |