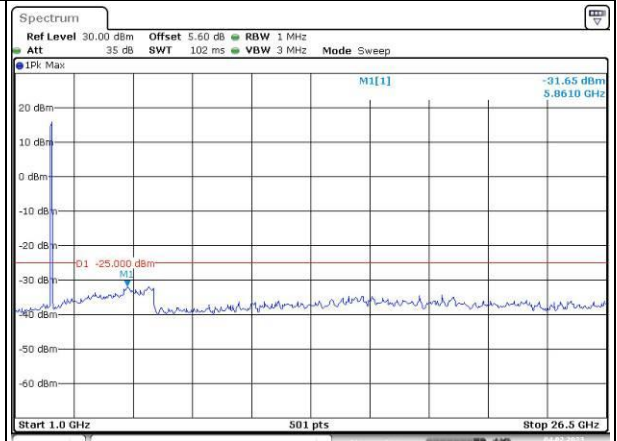
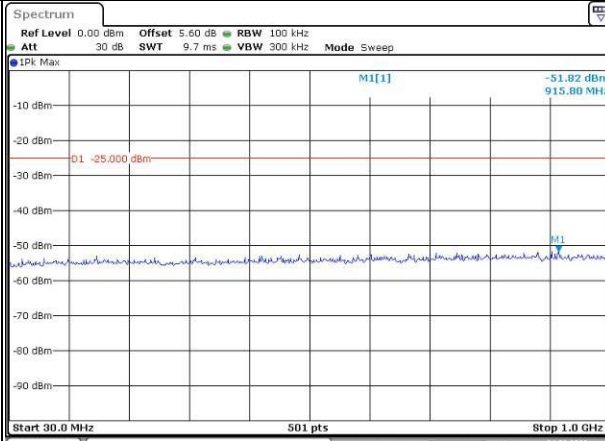


Spurious Emissions at Antenna Terminal

Channel

20MHz Bandwidth QPSK

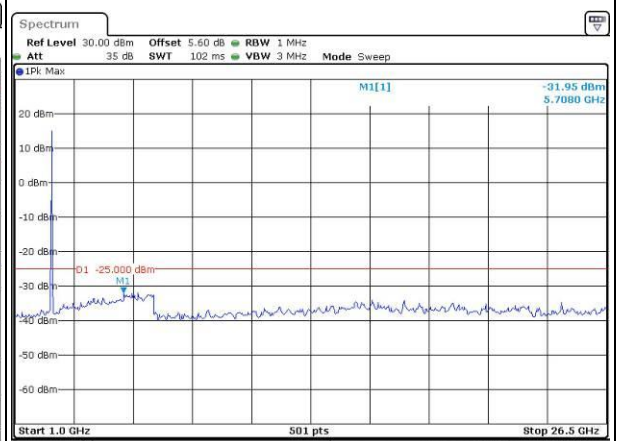
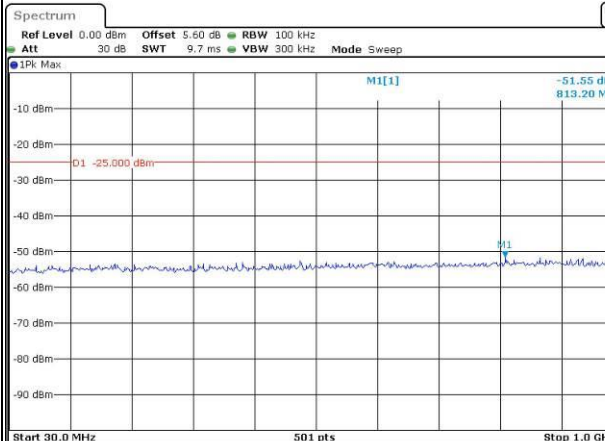
Lowest



Date: 4.FEB.2023 15:33:23

Date: 4.FEB.2023 15:33:52

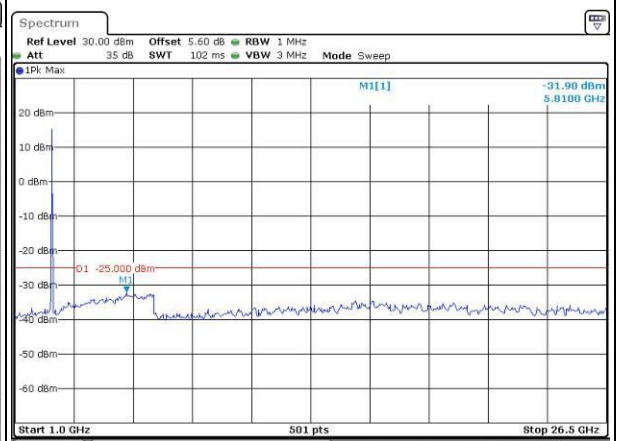
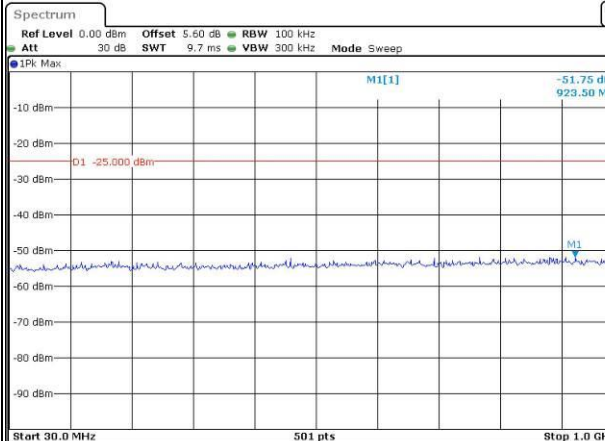
Middle



Date: 4.FEB.2023 15:34:26

Date: 4.FEB.2023 15:34:59

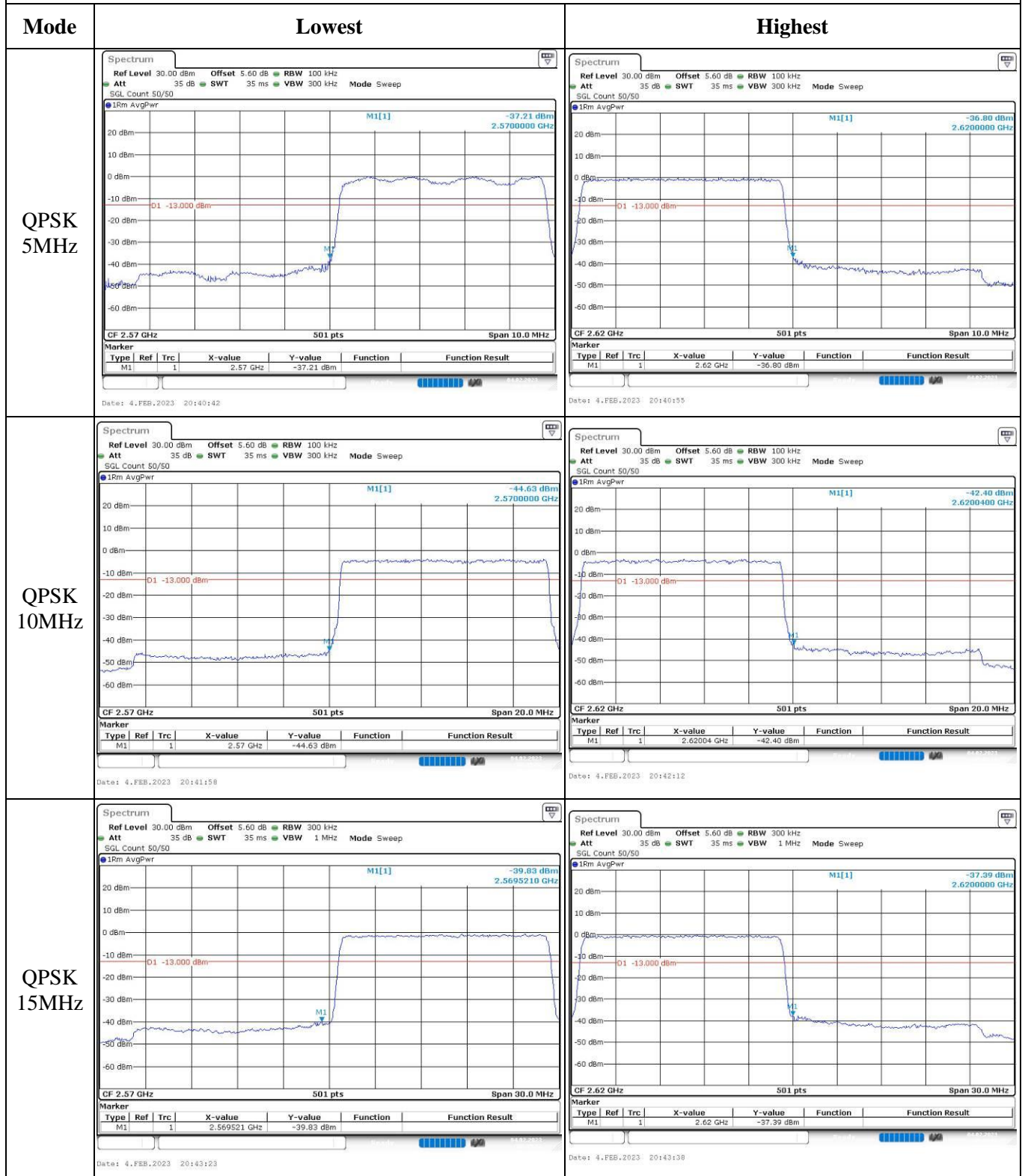
Highest



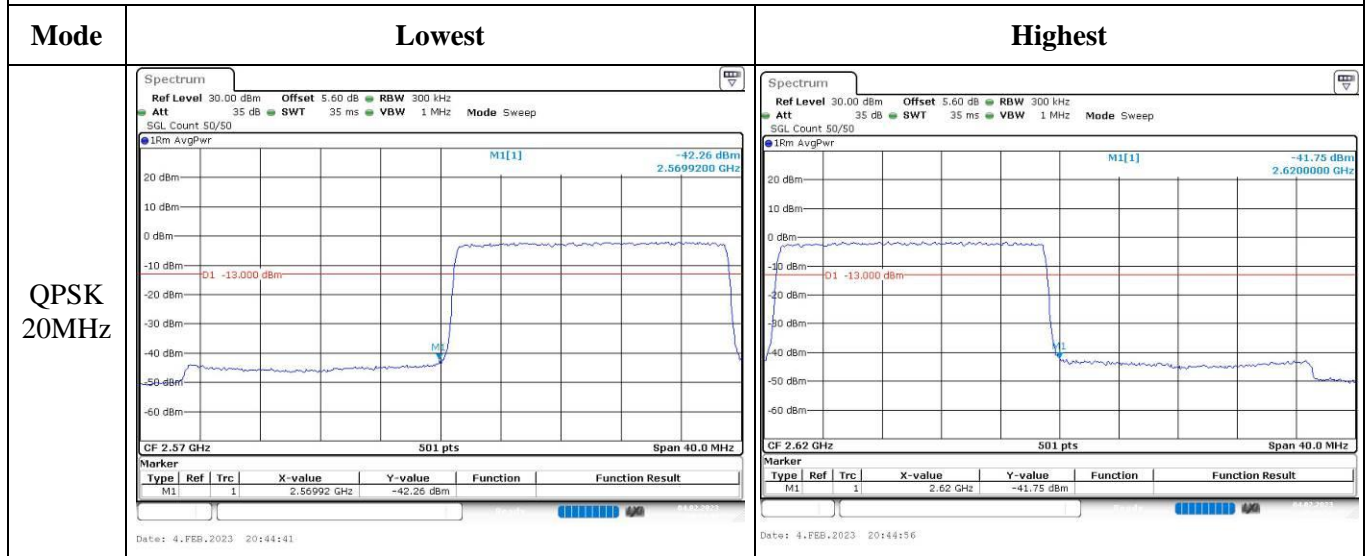
Date: 4.FEB.2023 15:35:44

Date: 4.FEB.2023 15:36:13

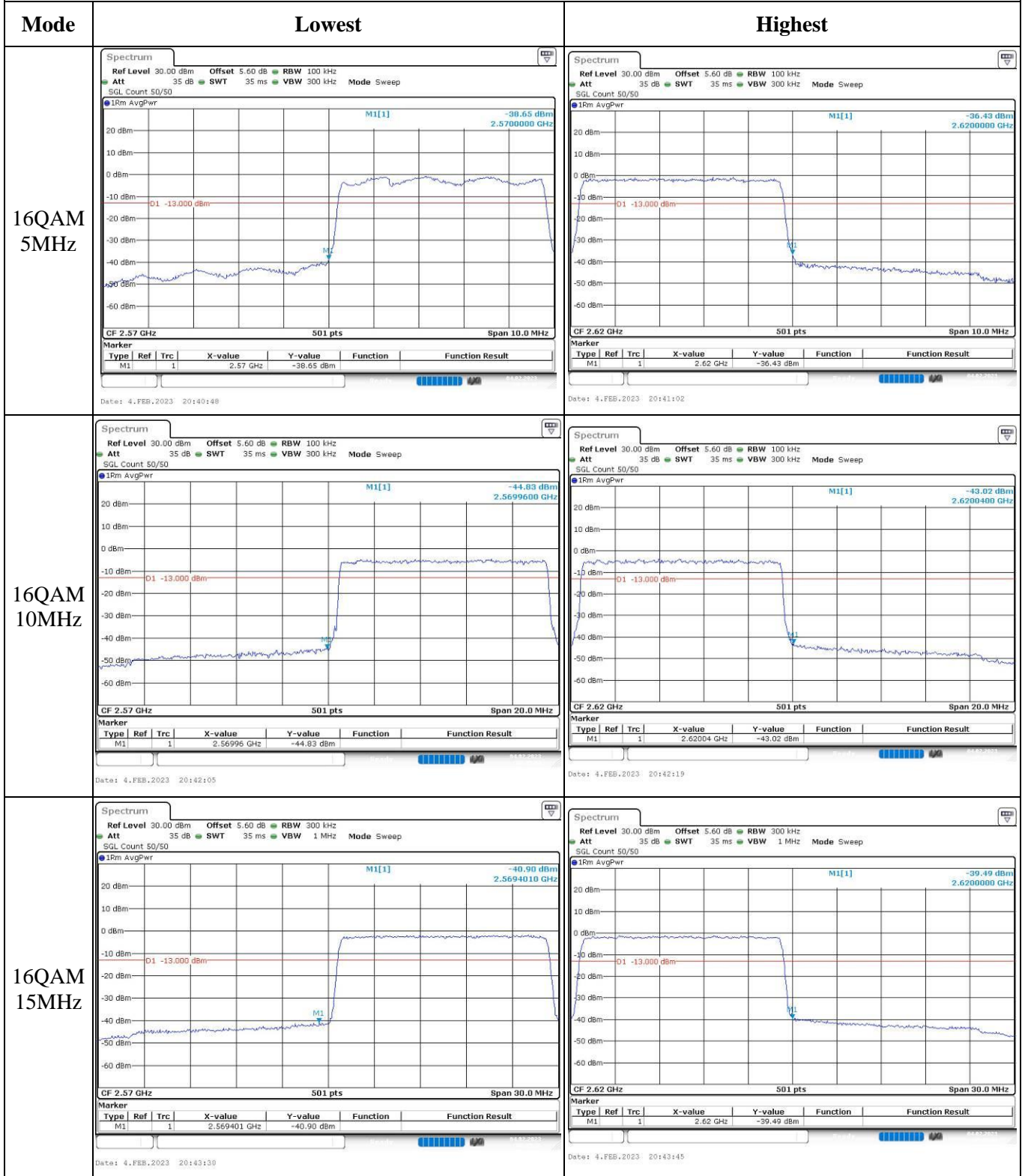
Out of band emission, Band Edge



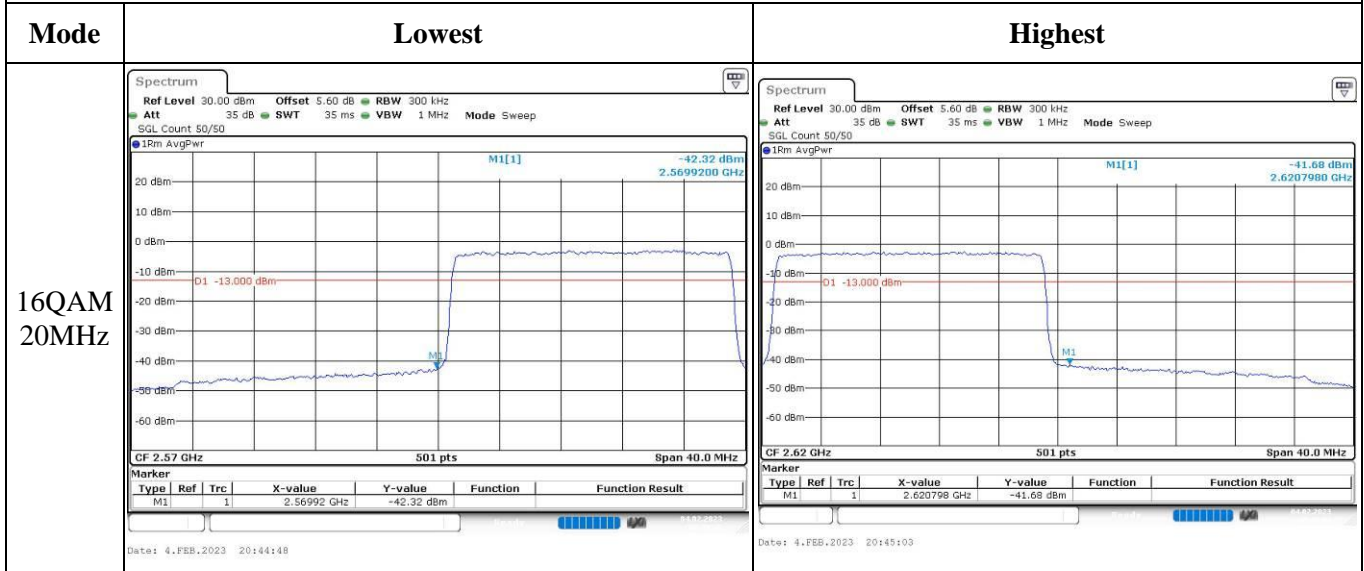
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.13 Antenna Port Test Data and Results for LTE Band 41

| | | | |
|----------------|-------------|--------------|-----------------------|
| Serial Number: | 1ZLT | Test Date: | 2023/02/04~2023/03/01 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | George Chen | Test Result: | Pass |

Environmental Conditions:

| | | | | | |
|----------------------|-----------|---------------------------|-------|------------------------|-------------|
| Temperature: (°C) | 21.3~24.6 | Relative Humidity: (%) | 42~53 | ATM Pressure: (kPa) | 100.6~101.9 |
|----------------------|-----------|---------------------------|-------|------------------------|-------------|

Test Equipment List and Details:

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---------------|-------------------------------------|------------|-----------------|------------------|----------------------|
| R&S | Spectrum Analyzer | FSV40 | 101474 | 2022/07/15 | 2023/07/14 |
| zhuoxiang | Coaxial Cable | SMA-178 | 211001 | Each time | N/A |
| YINSAIGE | Coaxial Cable | SS402 | SJ0100001 | Each time | N/A |
| Mini-Circuits | DC Block | BLK-18-S+ | 1554403 | Each time | N/A |
| Weinschel | Power Splitter | 1515 | RA914 | Each time | N/A |
| R&S | Wideband Radio Communication Tester | CMW500 | 149218 | 2022/04/06 | 2023/04/05 |
| BACL | TEMP&HUMI Test Chamber | BTH-150-40 | 30174 | 2022/09/29 | 2023/09/28 |
| UNI-T | Multimeter | UT39A+ | C210582554 | 2022/07/15 | 2023/07/14 |
| ZHAOXIN | DC Power Supply | RXN-6010D | 21R6010D0912386 | N/A | N/A |

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Frequency For Each Mode:

| Operation Bandwidth | Lowest Frequency (MHz) | Middle Frequency (MHz) | Highest Frequency (MHz) |
|---------------------|------------------------|------------------------|-------------------------|
| 5MHz | 2537.5 | 2595 | 2652.5 |
| 10MHz | 2540 | 2595 | 2650 |
| 15MHz | 2542.5 | 2595 | 2647.5 |
| 20MHz | 2545 | 2595 | 2645 |

Test Data:

| FCC §2.1046; § 27.50(h)(2) | | | | | | |
|-----------------------------------|----------------------------|-------------------------------------|----------------|-----------------|--------------------|------------------|
| RF Output Power: | | | | | | |
| Test Bandwidth & Modulation | Resource Block & RB offset | Conducted Average Output Power(dBm) | | | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| | | Lowest Channel | Middle Channel | Highest Channel | | |
| 5MHz QPSK | RB1#0 | 20.56 | 21.48 | 21.96 | 23.35 | 33 |
| | RB1#13 | 20.74 | 21.57 | 22.18 | | |
| | RB1#24 | 20.66 | 21.41 | 22.13 | | |
| | RB15#0 | 19.53 | 20.45 | 21.02 | | |
| | RB15#10 | 19.65 | 20.45 | 21.1 | | |
| | RB25#0 | 19.6 | 20.44 | 21.05 | | |
| 5MHz 16QAM | RB1#0 | 19.76 | 20.41 | 21.02 | 22.4 | 33 |
| | RB1#13 | 19.93 | 20.29 | 21.23 | | |
| | RB1#24 | 19.86 | 20.15 | 21.15 | | |
| | RB15#0 | 18.55 | 19.18 | 20.08 | | |
| | RB15#10 | 18.71 | 19.15 | 20.1 | | |
| | RB25#0 | 18.58 | 19.26 | 20.1 | | |
| 10MHz QPSK | RB1#0 | 20.71 | 21.44 | 21.78 | 23.37 | 33 |
| | RB1#25 | 20.87 | 21.41 | 22.07 | | |
| | RB1#49 | 20.97 | 21.22 | 22.2 | | |
| | RB25#0 | 19.57 | 20.28 | 20.92 | | |
| | RB25#25 | 19.9 | 20.22 | 21.07 | | |
| | RB50#0 | 19.79 | 20.21 | 21.02 | | |
| 10MHz 16QAM | RB1#0 | 19.6 | 20.46 | 21 | 22.56 | 33 |
| | RB1#25 | 19.77 | 20.4 | 21.26 | | |
| | RB1#49 | 19.87 | 20.26 | 21.39 | | |
| | RB25#0 | 18.63 | 19.29 | 19.91 | | |
| | RB25#25 | 18.95 | 19.23 | 20.05 | | |
| | RB50#0 | 18.75 | 19.25 | 19.99 | | |
| 15MHz QPSK | RB1#0 | 20.64 | 21.4 | 21.56 | 23.33 | 33 |
| | RB1#38 | 20.9 | 21.34 | 22.02 | | |
| | RB1#74 | 21.02 | 21.07 | 22.16 | | |
| | RB36#0 | 19.61 | 20.29 | 20.69 | | |
| | RB36#39 | 19.91 | 20.16 | 20.95 | | |
| | RB75#0 | 19.82 | 20.29 | 20.86 | | |
| 15MHz 16QAM | RB1#0 | 19.82 | 20.51 | 20.47 | 22.19 | 33 |
| | RB1#38 | 20.14 | 20.49 | 20.9 | | |
| | RB1#74 | 20.18 | 20.25 | 21.02 | | |
| | RB36#0 | 18.7 | 19.28 | 19.64 | | |
| | RB36#39 | 18.97 | 19.16 | 19.94 | | |
| | RB75#0 | 18.8 | 19.21 | 19.84 | | |

| | | | | | | |
|--|---------|-------|-------|-------|----------------|-------------|
| 20MHz QPSK | RB1#0 | 20.62 | 21.36 | 21.25 | 23.23 | 33 |
| | RB1#50 | 21.09 | 21.4 | 21.84 | | |
| | RB1#99 | 21.17 | 21.03 | 22.06 | | |
| | RB50#0 | 19.62 | 20.29 | 20.53 | | |
| | RB50#50 | 19.97 | 20.18 | 20.94 | | |
| | RB100#0 | 19.81 | 20.25 | 20.73 | | |
| 20MHz 16QAM | RB1#0 | 19.8 | 20.37 | 20.23 | 22.18 | 33 |
| | RB1#50 | 20.3 | 20.42 | 20.8 | | |
| | RB1#99 | 20.38 | 20.07 | 21.01 | | |
| | RB50#0 | 18.63 | 19.28 | 19.59 | | |
| | RB50#50 | 19.04 | 19.18 | 19.96 | | |
| | RB100#0 | 18.82 | 19.22 | 19.74 | | |
| Note: EIRP=Conducted Power(dBm) - Lc(dB) + Gr(dBi) | | | | | | |
| | | | | | Result: | Pass |

Peak-to-average Ratio(PAR)

| Test Bandwidth & Modulation | Resource Block & RB offset | Peak-to-average Ratio(dB) | | | Limit (dB) | |
|-----------------------------|----------------------------|---------------------------|----------------|-----------------|----------------|-------------|
| | | Lowest Channel | Middle Channel | Highest Channel | | |
| 20MHz QPSK | RB1#0 | 9.74 | 8.43 | 12.03 | 13 | |
| | RB100#0 | 10.14 | 9.91 | 8.58 | 13 | |
| 20MHz 16QAM | RB1#0 | 10.93 | 8.38 | 9.1 | 13 | |
| | RB100#0 | 10.2 | 9.3 | 9.45 | 13 | |
| | | | | | Result: | Pass |

FCC §2.1049, §27.53:Occupied Bandwidth

| Operation Mode | 99% Occupied Bandwidth (MHz) | | | 26 dB Occupied Bandwidth (MHz) | | |
|--|------------------------------|----------------|--------------|--------------------------------|----------------|--------------|
| | Low Channel | Middle channel | High Channel | Low Channel | Middle Channel | High Channel |
| 5MHz QPSK | 4.491 | 4.511 | 4.491 | 4.94 | 4.9 | 4.98 |
| 5MHz 16QAM | 4.511 | 4.491 | 4.511 | 4.96 | 4.98 | 4.92 |
| 10MHz QPSK | 8.982 | 8.942 | 8.982 | 9.64 | 9.56 | 9.64 |
| 10MHz 16QAM | 8.902 | 8.942 | 8.942 | 9.56 | 10.08 | 9.52 |
| 15MHz QPSK | 13.473 | 13.473 | 13.413 | 14.7 | 15.18 | 14.94 |
| 15MHz 16QAM | 13.473 | 13.593 | 13.533 | 15.24 | 15.18 | 15.54 |
| 20MHz QPSK | 17.964 | 17.964 | 17.884 | 19.12 | 19.28 | 19.36 |
| 20MHz 16QAM | 17.964 | 17.964 | 17.884 | 19.36 | 19.44 | 19.28 |
| Note: The test plots please refer to the Plots of Occupied Bandwidth | | | | | | |

FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal

| | |
|----------------|--|
| Result: | Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal. |
|----------------|--|

FCC §2.1051, §27.53:Out of band emission, Band Edge

| | |
|----------------|---|
| Result: | Pass, Please refer to the test plots of Out of band emission, Band Edge. |
|----------------|---|

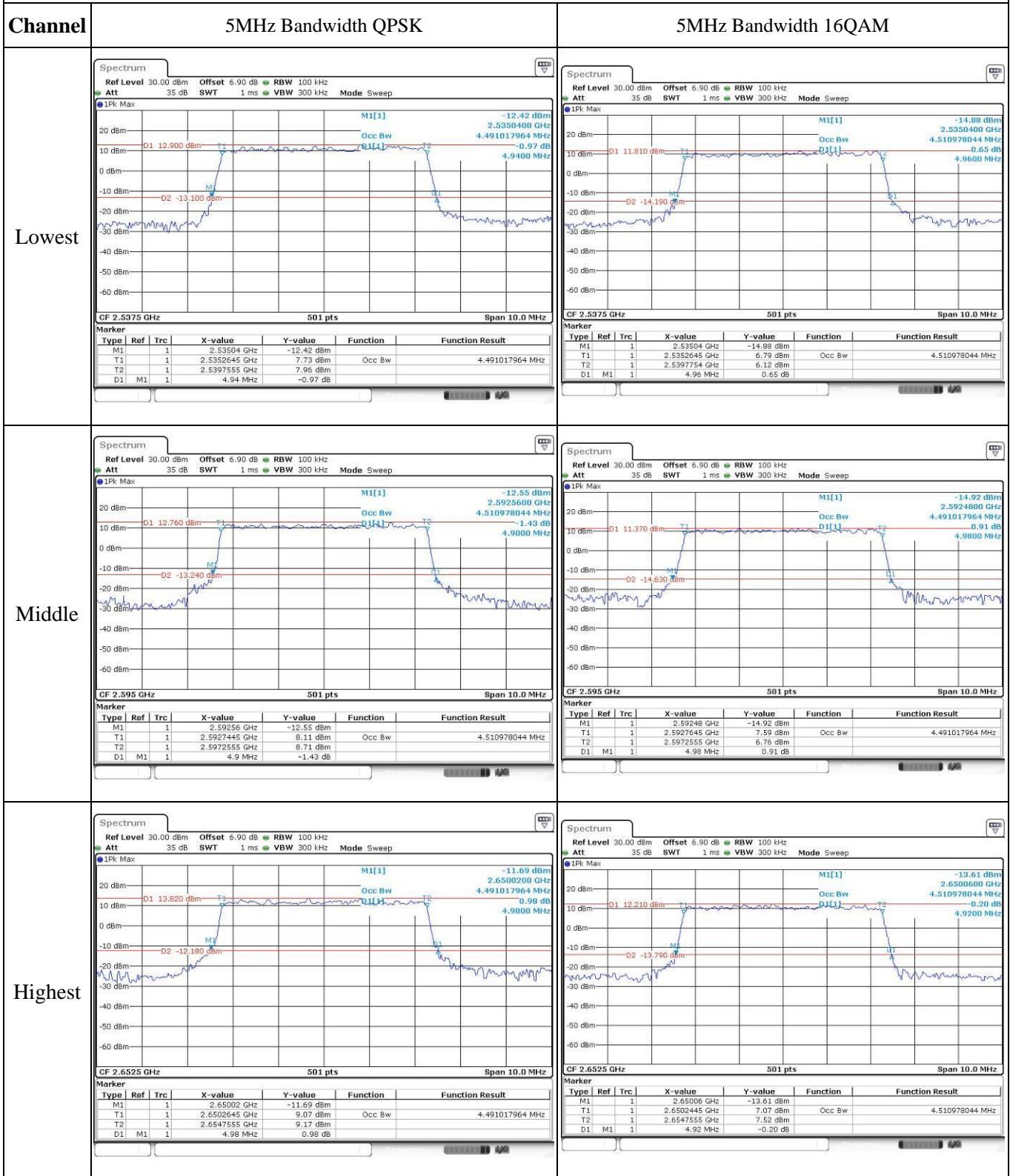
FCC §2.1055, §27.54: Frequency Stability

| Test Mode: | 20M QPSK | Test Channel: Lowest for Lower Edge,Highest for Upper Edge | | | | |
|-------------------------------------|------------------|--|------------------|---------|------------------|-------------|
| Test Item | Temperature (°C) | Voltage (V _{DC}) | Lower Edge (MHz) | | Upper Edge (MHz) | |
| | | | Result | Limit | Result | Limit |
| Frequency Stability vs. Temperature | -30 | 3.89 | 2535.4138 | 2535.00 | 2654.6072 | 2655.00 |
| | -20 | 3.89 | 2535.4127 | 2535.00 | 2654.6040 | 2655.00 |
| | -10 | 3.89 | 2535.4102 | 2535.00 | 2654.6025 | 2655.00 |
| | 0 | 3.89 | 2535.4087 | 2535.00 | 2654.6993 | 2655.00 |
| | 10 | 3.89 | 2535.4065 | 2535.00 | 2654.6971 | 2655.00 |
| | 20 | 3.89 | 2535.4058 | 2535.00 | 2654.6942 | 2655.00 |
| | 30 | 3.89 | 2535.4035 | 2535.00 | 2654.6922 | 2655.00 |
| | 40 | 3.89 | 2535.4010 | 2535.00 | 2654.6898 | 2655.00 |
| Frequency Stability vs. Voltage | 20 | 3.45 | 2535.4090 | 2535.00 | 2654.6948 | 2655.00 |
| | 20 | 4.48 | 2535.4055 | 2535.00 | 2654.6914 | 2655.00 |
| | | | | | Result: | Pass |

| Test Mode: | 20M 16QAM | Test Channel: Lowest for Lower Edge,Highest for Upper Edge | | | | |
|-------------------------------------|------------------|--|------------------|---------|------------------|-------------|
| Test Item | Temperature (°C) | Voltage (V _{DC}) | Lower Edge (MHz) | | Upper Edge (MHz) | |
| | | | Result | Limit | Result | Limit |
| Frequency Stability vs. Temperature | -30 | 3.89 | 2535.4143 | 2535.00 | 2654.6053 | 2655.00 |
| | -20 | 3.89 | 2535.4126 | 2535.00 | 2654.6023 | 2655.00 |
| | -10 | 3.89 | 2535.4118 | 2535.00 | 2654.6012 | 2655.00 |
| | 0 | 3.89 | 2535.4094 | 2535.00 | 2654.6993 | 2655.00 |
| | 10 | 3.89 | 2535.4087 | 2535.00 | 2654.6975 | 2655.00 |
| | 20 | 3.89 | 2535.4058 | 2535.00 | 2654.6942 | 2655.00 |
| | 30 | 3.89 | 2535.4024 | 2535.00 | 2654.6899 | 2655.00 |
| | 40 | 3.89 | 2535.991 | 2535.00 | 2654.6861 | 2655.00 |
| Frequency Stability vs. Voltage | 20 | 3.45 | 2535.4090 | 2535.00 | 2654.6978 | 2655.00 |
| | 20 | 4.48 | 2535.4005 | 2535.00 | 2654.6918 | 2655.00 |
| | | | | | Result: | Pass |

Test Plots(Note: The 5.6dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

Occupied Bandwidth



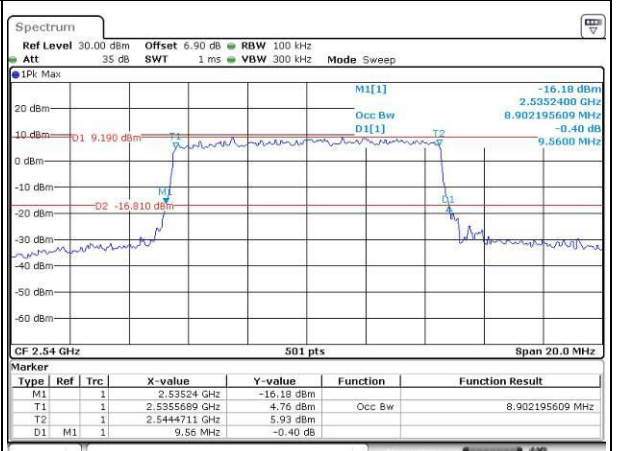
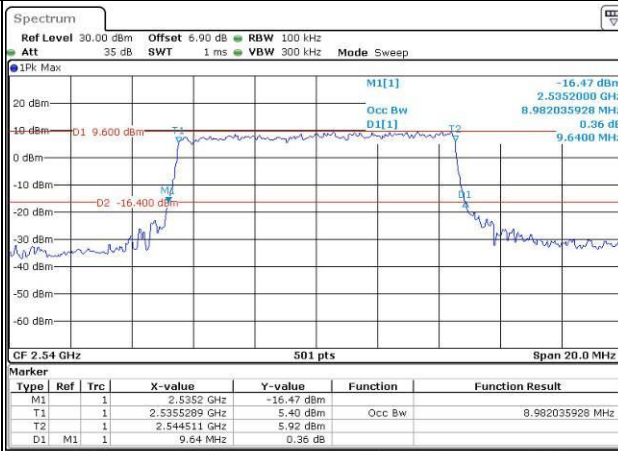
Occupied Bandwidth

Channel

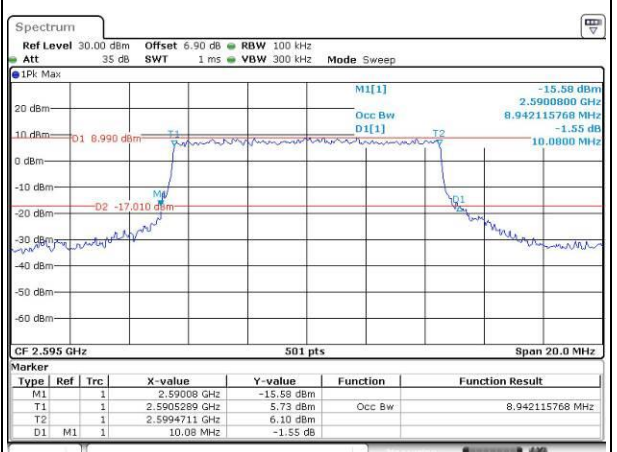
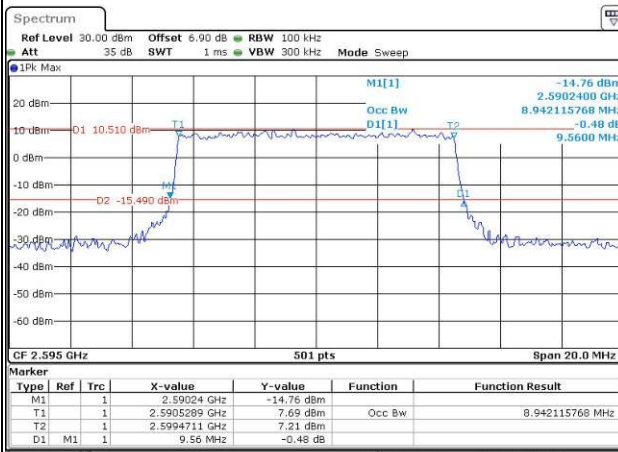
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

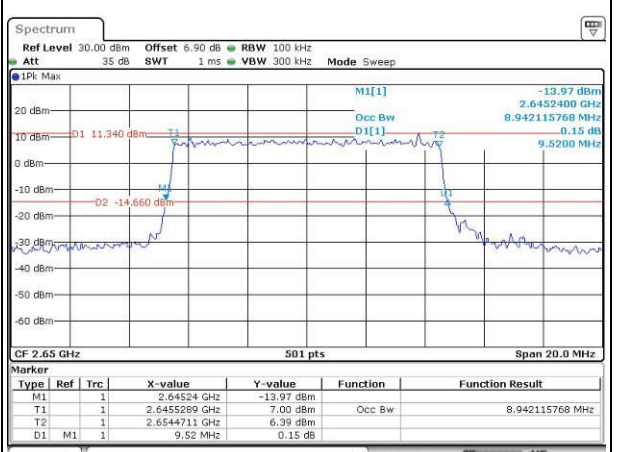
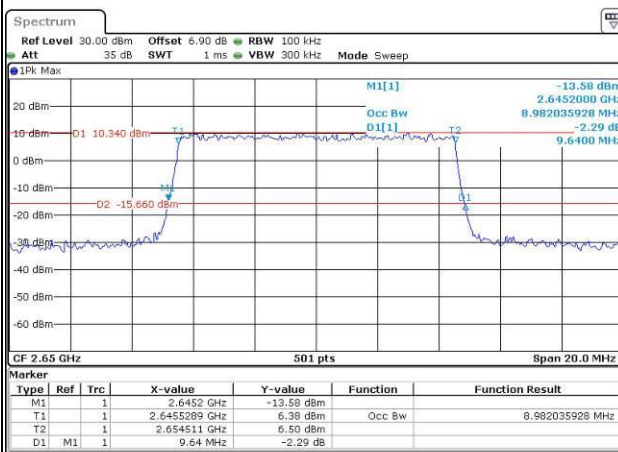
Lowest



Middle



Highest



Occupied Bandwidth

| Channel | 15MHz Bandwidth QPSK | 15MHz Bandwidth 16QAM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|-----------------------|---------------|------------|----------|------------------|----------|-----------------|----|---|--|-------------|------------|--|--|----|---|--|---------------|----------|--------|------------------|----|---|--|---------------|----------|--|--|----|----|---|-----------|----------|--|--|--|------|-----|-----|---------|---------|----------|-----------------|----|---|--|-------------|------------|--|--|----|---|--|---------------|----------|--------|------------------|----|---|--|---------------|----------|--|--|----|----|---|-----------|----------|--|--|
| Lowest | <p>Ref Level 30.00 dBm Offset 6.90 dB RBW 300 kHz Att 35 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>1Pk Max</p> <p>M1[1] -11.36 dBm 2.5352400 GHz Occ Bw 13.473053892 MHz 14.7000 MHz</p> <p>D1 13.750 dBm D2 -12.250 dBm</p> <p>CF 2.5425 GHz 501 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.53524 GHz</td> <td>-11.36 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.5357934 GHz</td> <td>7.95 dBm</td> <td>Occ Bw</td> <td>13.473053892 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.5492665 GHz</td> <td>8.66 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>14.7 MHz</td> <td>-0.25 dB</td> <td></td> <td></td> </tr> </tbody> </table> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.53524 GHz | -11.36 dBm | | | T1 | 1 | | 2.5357934 GHz | 7.95 dBm | Occ Bw | 13.473053892 MHz | T2 | 1 | | 2.5492665 GHz | 8.66 dBm | | | D1 | M1 | 1 | 14.7 MHz | -0.25 dB | | | <p>Ref Level 30.00 dBm Offset 6.90 dB RBW 300 kHz Att 35 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>1Pk Max</p> <p>M1[1] -13.09 dBm 2.5352400 GHz Occ Bw 13.473053892 MHz 15.2400 MHz</p> <p>D1 12.320 dBm D2 -13.680 dBm</p> <p>CF 2.5425 GHz 501 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.53524 GHz</td> <td>-13.09 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.5357934 GHz</td> <td>7.73 dBm</td> <td>Occ Bw</td> <td>13.473053892 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.5492665 GHz</td> <td>8.32 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>15.24 MHz</td> <td>0.01 dB</td> <td></td> <td></td> </tr> </tbody> </table> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.53524 GHz | -13.09 dBm | | | T1 | 1 | | 2.5357934 GHz | 7.73 dBm | Occ Bw | 13.473053892 MHz | T2 | 1 | | 2.5492665 GHz | 8.32 dBm | | | D1 | M1 | 1 | 15.24 MHz | 0.01 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.53524 GHz | -11.36 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.5357934 GHz | 7.95 dBm | Occ Bw | 13.473053892 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.5492665 GHz | 8.66 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | M1 | 1 | 14.7 MHz | -0.25 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.53524 GHz | -13.09 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.5357934 GHz | 7.73 dBm | Occ Bw | 13.473053892 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.5492665 GHz | 8.32 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | M1 | 1 | 15.24 MHz | 0.01 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Middle | <p>Ref Level 30.00 dBm Offset 6.90 dB RBW 300 kHz Att 35 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>1Pk Max</p> <p>M1[1] -13.67 dBm 2.5876800 GHz Occ Bw 13.473053892 MHz 15.1800 MHz</p> <p>D1 13.200 dBm D2 -12.800 dBm</p> <p>CF 2.595 GHz 501 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.58768 GHz</td> <td>-13.67 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.5882934 GHz</td> <td>8.42 dBm</td> <td>Occ Bw</td> <td>13.473053892 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.6017665 GHz</td> <td>9.16 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>15.18 MHz</td> <td>0.38 dB</td> <td></td> <td></td> </tr> </tbody> </table> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.58768 GHz | -13.67 dBm | | | T1 | 1 | | 2.5882934 GHz | 8.42 dBm | Occ Bw | 13.473053892 MHz | T2 | 1 | | 2.6017665 GHz | 9.16 dBm | | | D1 | M1 | 1 | 15.18 MHz | 0.38 dB | | | <p>Ref Level 30.00 dBm Offset 6.90 dB RBW 300 kHz Att 35 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>1Pk Max</p> <p>M1[1] -13.23 dBm 2.5872600 GHz Occ Bw 13.592814371 MHz 15.1800 MHz</p> <p>D1 12.150 dBm D2 -13.840 dBm</p> <p>CF 2.595 GHz 501 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.58726 GHz</td> <td>-13.23 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.5882935 GHz</td> <td>7.06 dBm</td> <td>Occ Bw</td> <td>13.592814371 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.6018263 GHz</td> <td>7.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>15.18 MHz</td> <td>-1.00 dB</td> <td></td> <td></td> </tr> </tbody> </table> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.58726 GHz | -13.23 dBm | | | T1 | 1 | | 2.5882935 GHz | 7.06 dBm | Occ Bw | 13.592814371 MHz | T2 | 1 | | 2.6018263 GHz | 7.20 dBm | | | D1 | M1 | 1 | 15.18 MHz | -1.00 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.58768 GHz | -13.67 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.5882934 GHz | 8.42 dBm | Occ Bw | 13.473053892 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.6017665 GHz | 9.16 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | M1 | 1 | 15.18 MHz | 0.38 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.58726 GHz | -13.23 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.5882935 GHz | 7.06 dBm | Occ Bw | 13.592814371 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.6018263 GHz | 7.20 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | M1 | 1 | 15.18 MHz | -1.00 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Highest | <p>Ref Level 30.00 dBm Offset 6.90 dB RBW 300 kHz Att 35 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>1Pk Max</p> <p>M1[1] -12.14 dBm 2.6401800 GHz Occ Bw 13.419173653 MHz 14.9400 MHz</p> <p>D1 13.790 dBm D2 -12.210 dBm</p> <p>CF 2.6475 GHz 501 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.64018 GHz</td> <td>-12.14 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.6407934 GHz</td> <td>9.12 dBm</td> <td>Occ Bw</td> <td>13.419173653 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.6542066 GHz</td> <td>9.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>14.94 MHz</td> <td>-0.60 dB</td> <td></td> <td></td> </tr> </tbody> </table> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.64018 GHz | -12.14 dBm | | | T1 | 1 | | 2.6407934 GHz | 9.12 dBm | Occ Bw | 13.419173653 MHz | T2 | 1 | | 2.6542066 GHz | 9.05 dBm | | | D1 | M1 | 1 | 14.94 MHz | -0.60 dB | | | <p>Ref Level 30.00 dBm Offset 6.90 dB RBW 300 kHz Att 35 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>1Pk Max</p> <p>M1[1] -12.96 dBm 2.6398800 GHz Occ Bw 13.532934132 MHz 15.5400 MHz</p> <p>D1 13.110 dBm D2 -12.890 dBm</p> <p>CF 2.6475 GHz 501 pts Span 30.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.63988 GHz</td> <td>-12.96 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.6407335 GHz</td> <td>8.00 dBm</td> <td>Occ Bw</td> <td>13.532934132 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.6542665 GHz</td> <td>8.32 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>15.54 MHz</td> <td>0.13 dB</td> <td></td> <td></td> </tr> </tbody> </table> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.63988 GHz | -12.96 dBm | | | T1 | 1 | | 2.6407335 GHz | 8.00 dBm | Occ Bw | 13.532934132 MHz | T2 | 1 | | 2.6542665 GHz | 8.32 dBm | | | D1 | M1 | 1 | 15.54 MHz | 0.13 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.64018 GHz | -12.14 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.6407934 GHz | 9.12 dBm | Occ Bw | 13.419173653 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.6542066 GHz | 9.05 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | M1 | 1 | 14.94 MHz | -0.60 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.63988 GHz | -12.96 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.6407335 GHz | 8.00 dBm | Occ Bw | 13.532934132 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.6542665 GHz | 8.32 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | M1 | 1 | 15.54 MHz | 0.13 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Occupied Bandwidth

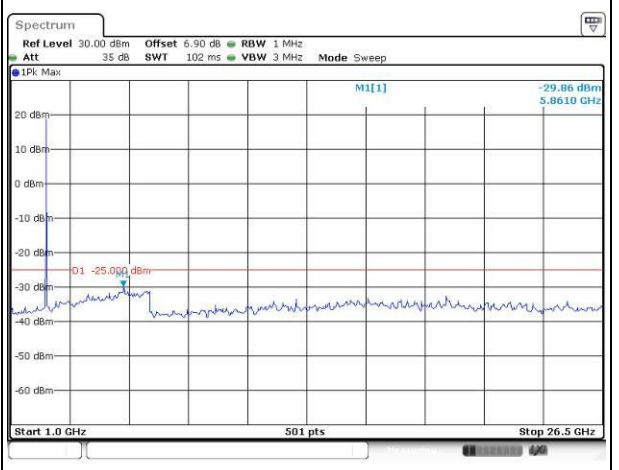
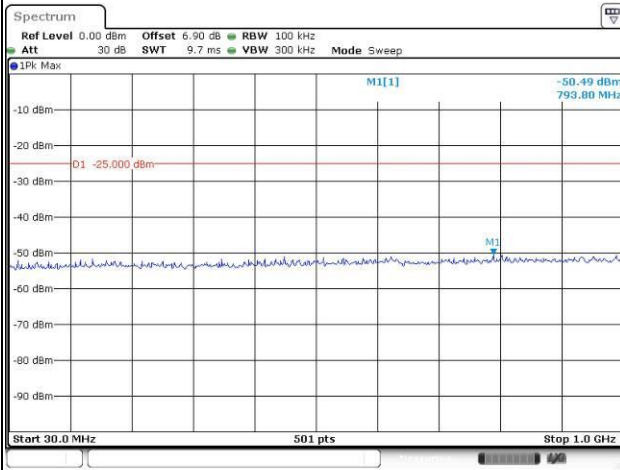
| Channel | 20MHz Bandwidth QPSK | 20MHz Bandwidth 16QAM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--|-----------------------|---------------|------------|----------|------------------|----------|-----------------|----|---|--|-------------|------------|--|--|----|---|--|---------------|----------|--------|------------------|----|---|--|--------------|----------|--|--|----|----|---|-----------|----------|--|--|---|------|-----|-----|---------|---------|----------|-----------------|----|---|--|------------|------------|--|--|----|---|--|---------------|----------|--------|------------------|----|---|--|--------------|----------|--|--|----|----|---|-----------|----------|--|--|
| Lowest | <p>CF 2.545 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.53548 GHz</td> <td>-12.83 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.5360579 GHz</td> <td>8.11 dBm</td> <td>Occ Bw</td> <td>17.964071856 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.554022 GHz</td> <td>8.39 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>19.12 MHz</td> <td>1.09 dB</td> <td></td> <td></td> </tr> </tbody> </table> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.53548 GHz | -12.83 dBm | | | T1 | 1 | | 2.5360579 GHz | 8.11 dBm | Occ Bw | 17.964071856 MHz | T2 | 1 | | 2.554022 GHz | 8.39 dBm | | | D1 | M1 | 1 | 19.12 MHz | 1.09 dB | | | <p>CF 2.545 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.5354 GHz</td> <td>-15.77 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.5360579 GHz</td> <td>6.16 dBm</td> <td>Occ Bw</td> <td>17.964071856 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.554022 GHz</td> <td>6.05 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>19.36 MHz</td> <td>-0.07 dB</td> <td></td> <td></td> </tr> </tbody> </table> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.5354 GHz | -15.77 dBm | | | T1 | 1 | | 2.5360579 GHz | 6.16 dBm | Occ Bw | 17.964071856 MHz | T2 | 1 | | 2.554022 GHz | 6.05 dBm | | | D1 | M1 | 1 | 19.36 MHz | -0.07 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.53548 GHz | -12.83 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.5360579 GHz | 8.11 dBm | Occ Bw | 17.964071856 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.554022 GHz | 8.39 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | M1 | 1 | 19.12 MHz | 1.09 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.5354 GHz | -15.77 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.5360579 GHz | 6.16 dBm | Occ Bw | 17.964071856 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.554022 GHz | 6.05 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | M1 | 1 | 19.36 MHz | -0.07 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Middle | <p>CF 2.595 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.5854 GHz</td> <td>-12.86 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.5860579 GHz</td> <td>7.56 dBm</td> <td>Occ Bw</td> <td>17.964071856 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.604022 GHz</td> <td>7.02 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>19.28 MHz</td> <td>0.58 dB</td> <td></td> <td></td> </tr> </tbody> </table> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.5854 GHz | -12.86 dBm | | | T1 | 1 | | 2.5860579 GHz | 7.56 dBm | Occ Bw | 17.964071856 MHz | T2 | 1 | | 2.604022 GHz | 7.02 dBm | | | D1 | M1 | 1 | 19.28 MHz | 0.58 dB | | | <p>CF 2.595 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.5854 GHz</td> <td>-13.54 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.5860579 GHz</td> <td>7.05 dBm</td> <td>Occ Bw</td> <td>17.964071856 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.604022 GHz</td> <td>6.82 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>19.44 MHz</td> <td>-0.50 dB</td> <td></td> <td></td> </tr> </tbody> </table> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.5854 GHz | -13.54 dBm | | | T1 | 1 | | 2.5860579 GHz | 7.05 dBm | Occ Bw | 17.964071856 MHz | T2 | 1 | | 2.604022 GHz | 6.82 dBm | | | D1 | M1 | 1 | 19.44 MHz | -0.50 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.5854 GHz | -12.86 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.5860579 GHz | 7.56 dBm | Occ Bw | 17.964071856 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.604022 GHz | 7.02 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | M1 | 1 | 19.28 MHz | 0.58 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.5854 GHz | -13.54 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.5860579 GHz | 7.05 dBm | Occ Bw | 17.964071856 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.604022 GHz | 6.82 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | M1 | 1 | 19.44 MHz | -0.50 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Highest | <p>CF 2.645 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.63532 GHz</td> <td>-13.20 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.6360579 GHz</td> <td>8.99 dBm</td> <td>Occ Bw</td> <td>17.884231537 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.659421 GHz</td> <td>9.50 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>19.36 MHz</td> <td>-0.02 dB</td> <td></td> <td></td> </tr> </tbody> </table> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.63532 GHz | -13.20 dBm | | | T1 | 1 | | 2.6360579 GHz | 8.99 dBm | Occ Bw | 17.884231537 MHz | T2 | 1 | | 2.659421 GHz | 9.50 dBm | | | D1 | M1 | 1 | 19.36 MHz | -0.02 dB | | | <p>CF 2.645 GHz 501 pts Span 40.0 MHz</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>2.6354 GHz</td> <td>-14.25 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>2.6360579 GHz</td> <td>7.88 dBm</td> <td>Occ Bw</td> <td>17.884231537 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>2.659421 GHz</td> <td>7.67 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>19.28 MHz</td> <td>-0.03 dB</td> <td></td> <td></td> </tr> </tbody> </table> | Type | Ref | Trc | X-value | Y-value | Function | Function Result | M1 | 1 | | 2.6354 GHz | -14.25 dBm | | | T1 | 1 | | 2.6360579 GHz | 7.88 dBm | Occ Bw | 17.884231537 MHz | T2 | 1 | | 2.659421 GHz | 7.67 dBm | | | D1 | M1 | 1 | 19.28 MHz | -0.03 dB | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.63532 GHz | -13.20 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.6360579 GHz | 8.99 dBm | Occ Bw | 17.884231537 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.659421 GHz | 9.50 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | M1 | 1 | 19.36 MHz | -0.02 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | Ref | Trc | X-value | Y-value | Function | Function Result | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M1 | 1 | | 2.6354 GHz | -14.25 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T1 | 1 | | 2.6360579 GHz | 7.88 dBm | Occ Bw | 17.884231537 MHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| T2 | 1 | | 2.659421 GHz | 7.67 dBm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D1 | M1 | 1 | 19.28 MHz | -0.03 dB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Spurious Emissions at Antenna Terminal

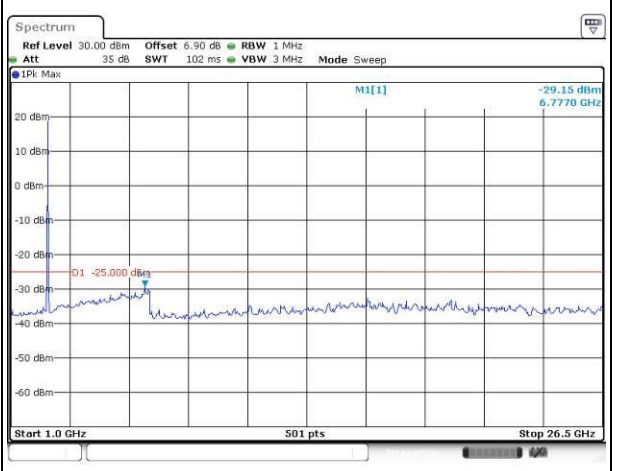
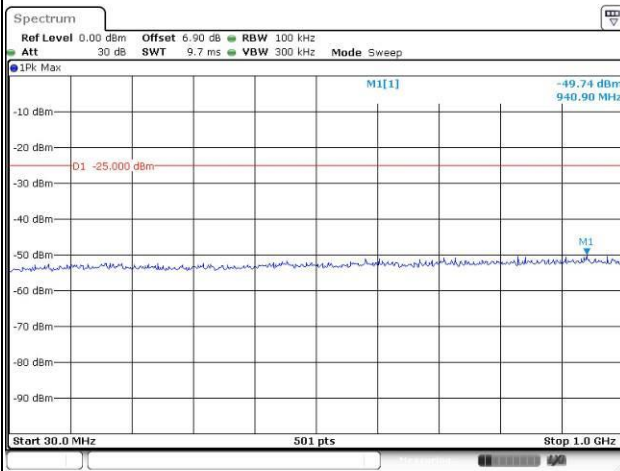
Channel

5MHz Bandwidth QPSK

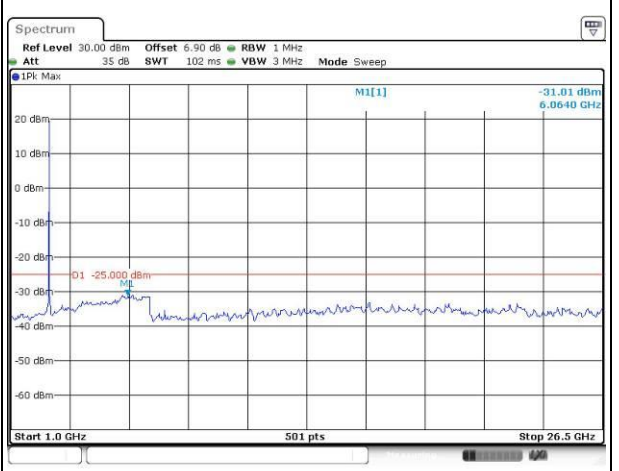
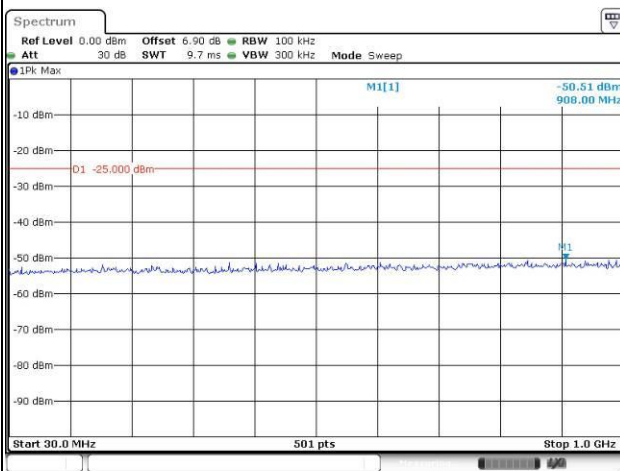
Lowest



Middle



Highest

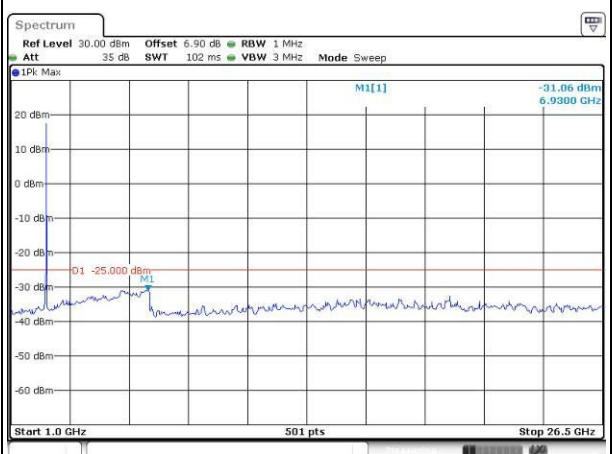
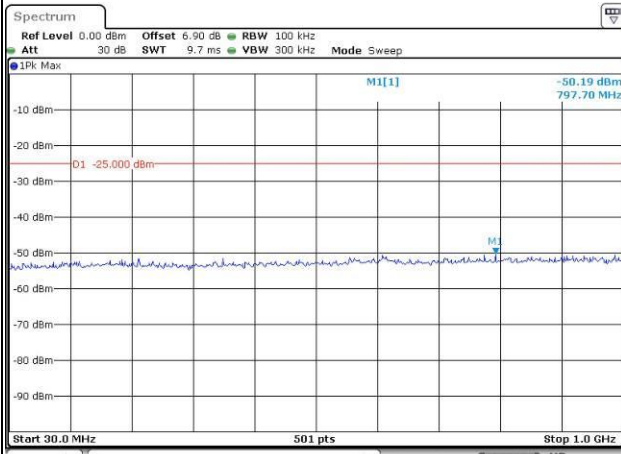


Spurious Emissions at Antenna Terminal

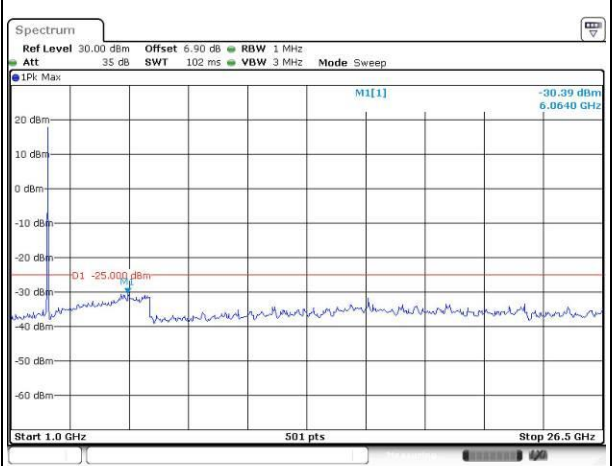
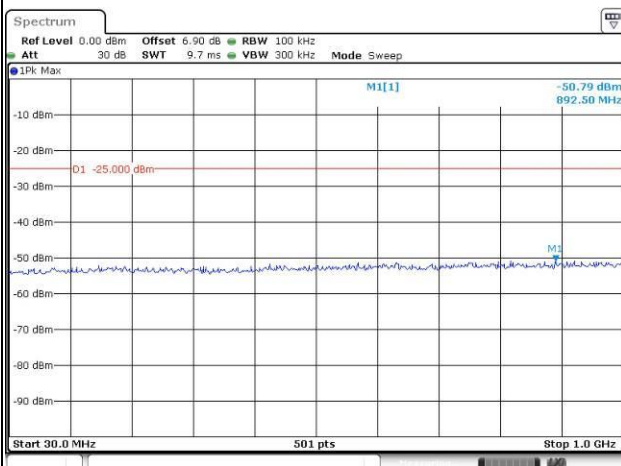
Channel

10MHz Bandwidth QPSK

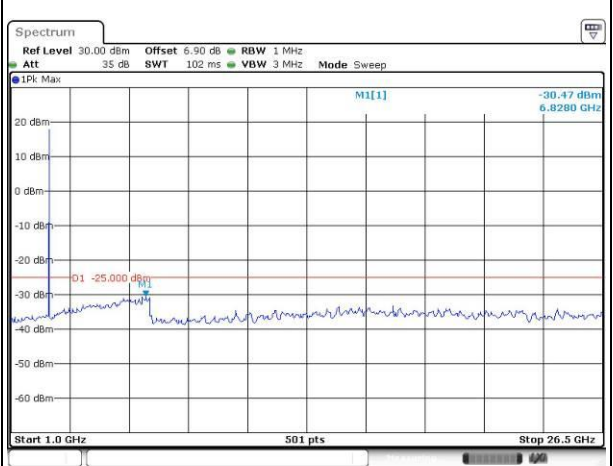
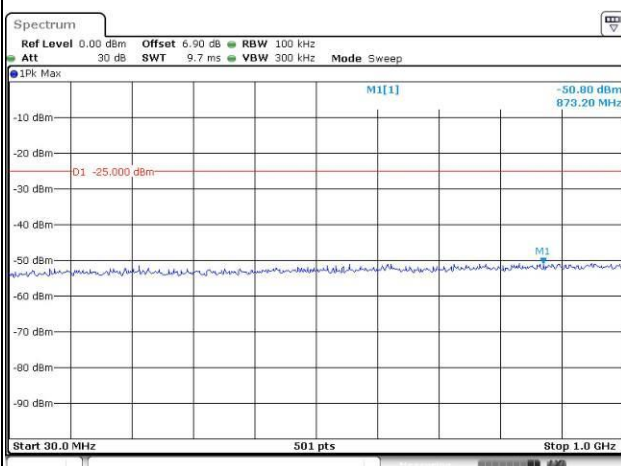
Lowest



Middle



Highest

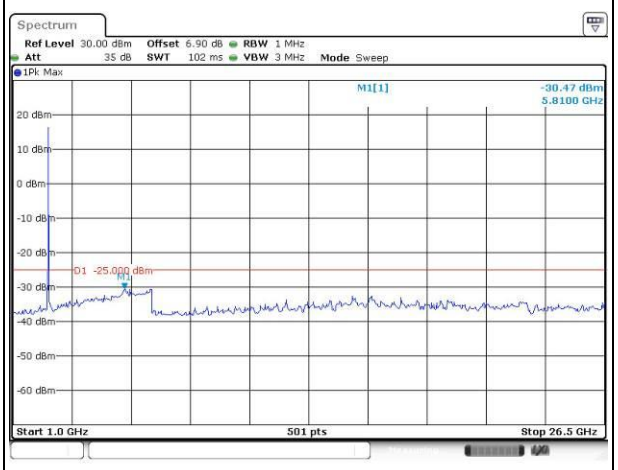
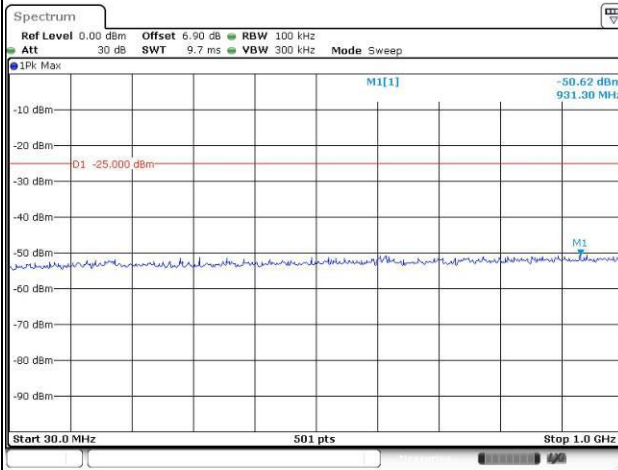


Spurious Emissions at Antenna Terminal

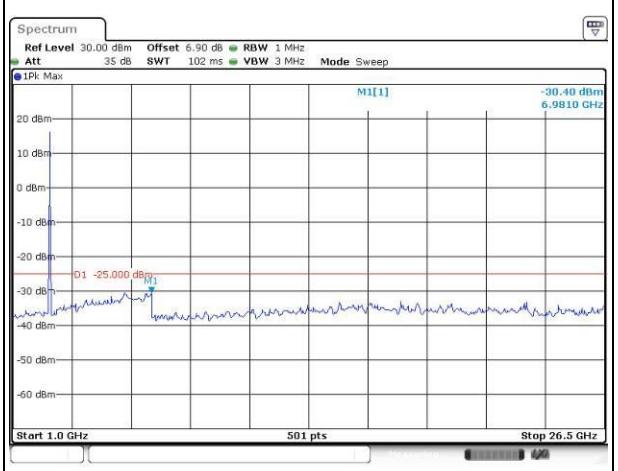
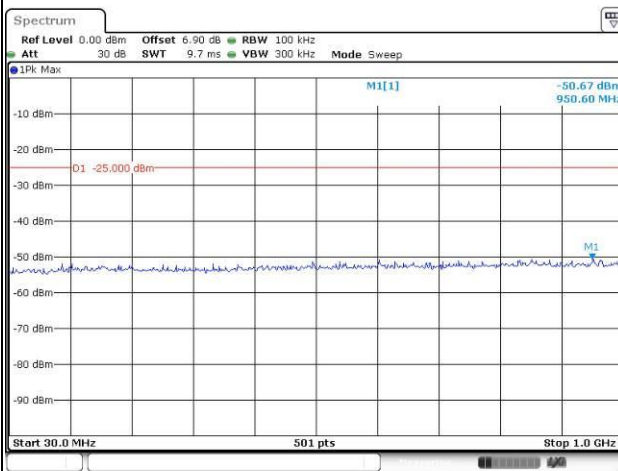
Channel

15MHz Bandwidth QPSK

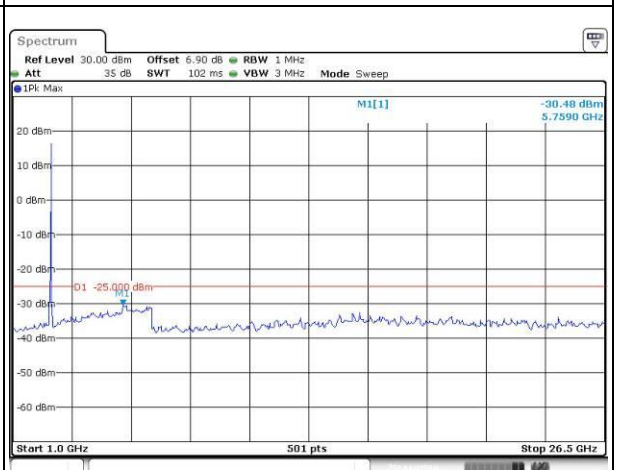
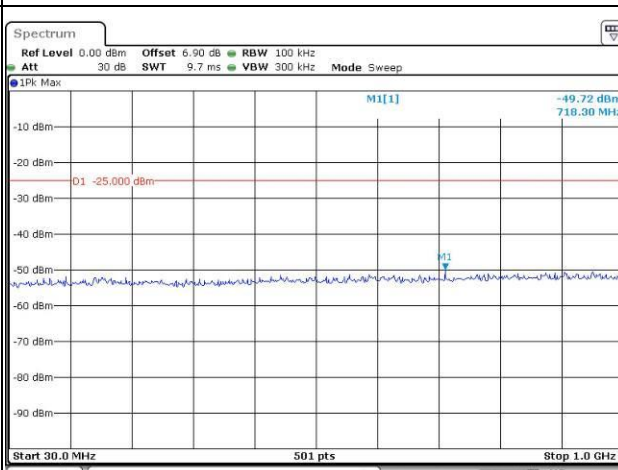
Lowest



Middle



Highest

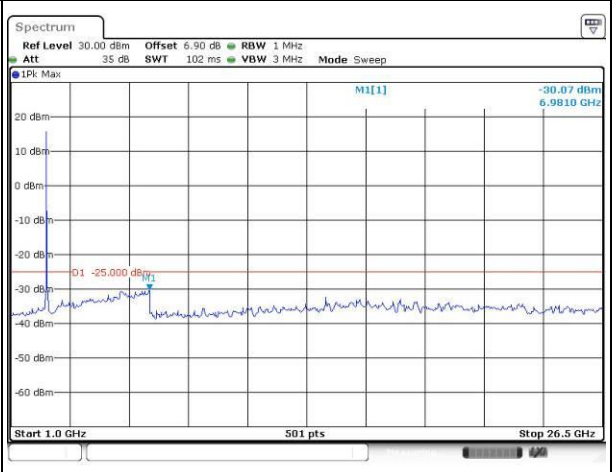
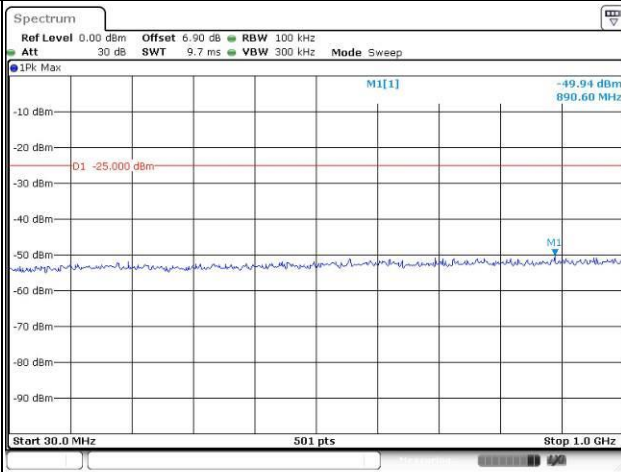


Spurious Emissions at Antenna Terminal

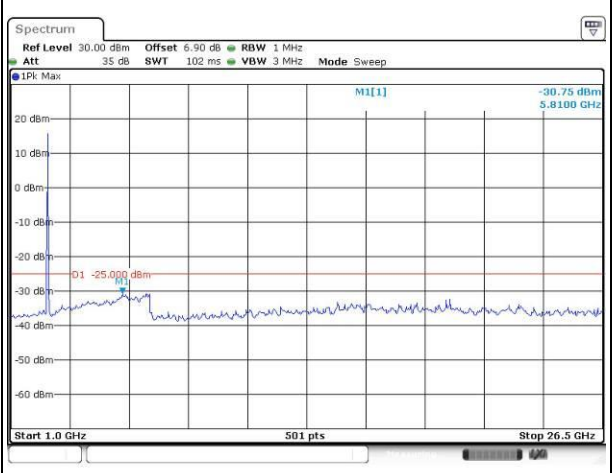
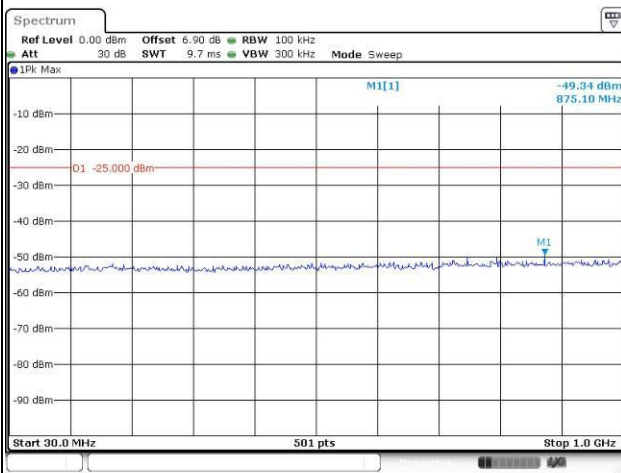
Channel

20MHz Bandwidth QPSK

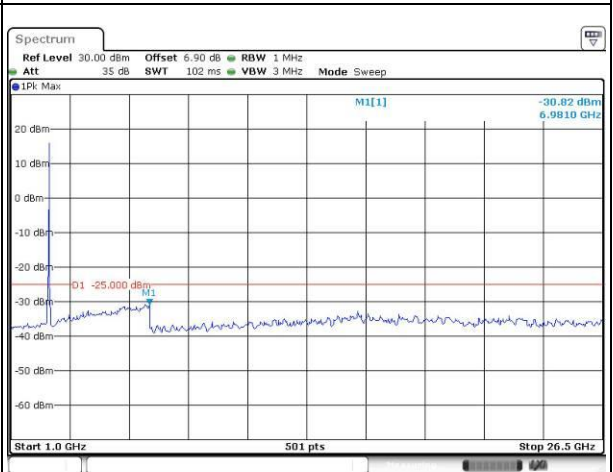
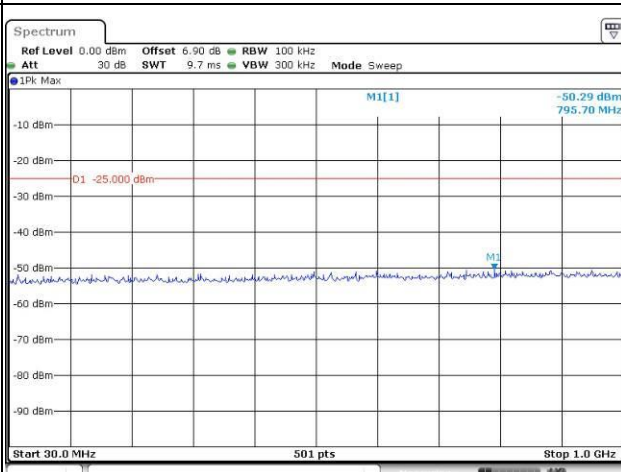
Lowest



Middle



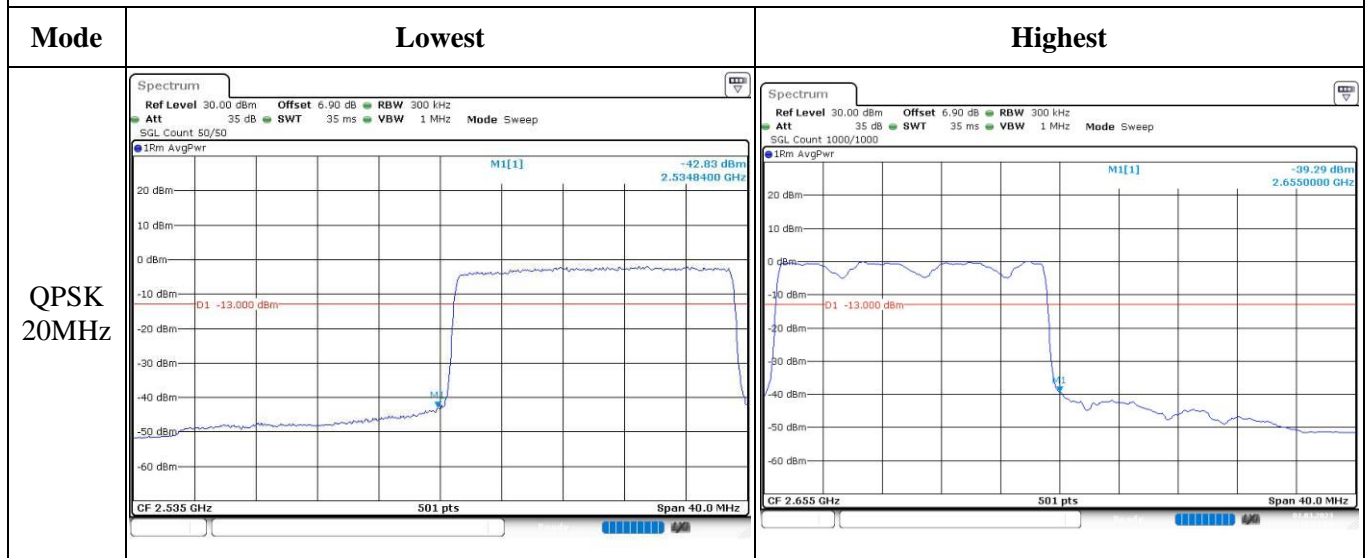
Highest



Out of band emission, Band Edge

| Mode | Lowest | Highest |
|---------------|--|--|
| QPSK 5MHz | <p>Spectrum Ref Level 30.00 dBm Offset 6.90 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 1Rm AvgPwr M1[1] -41.15 dBm 2.5350000 GHz -13.000 dBm CF 2.535 GHz 501 pts Span 10.0 MHz</p> | <p>Spectrum Ref Level 30.00 dBm Offset 6.90 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 1Rm AvgPwr M1[1] -37.88 dBm 2.6550000 GHz -13.000 dBm CF 2.655 GHz 501 pts Span 10.0 MHz</p> |
| QPSK 10MHz | <p>Spectrum Ref Level 30.00 dBm Offset 6.90 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 1Rm AvgPwr M1[1] -44.73 dBm 2.5342810 GHz -13.000 dBm CF 2.535 GHz 501 pts Span 20.0 MHz</p> | <p>Spectrum Ref Level 30.00 dBm Offset 6.90 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 1Rm AvgPwr M1[1] -49.91 dBm 2.6550000 GHz -13.000 dBm CF 2.655 GHz 501 pts Span 20.0 MHz</p> |
| QPSK 15MHz | <p>Spectrum Ref Level 30.00 dBm Offset 6.90 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SGL Count 50/50 1Rm AvgPwr M1[1] -41.47 dBm 2.5350000 GHz -13.000 dBm CF 2.535 GHz 501 pts Span 30.0 MHz</p> | <p>Spectrum Ref Level 30.00 dBm Offset 6.90 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SGL Count 50/50 1Rm AvgPwr M1[1] -39.71 dBm 2.6556590 GHz -13.000 dBm CF 2.655 GHz 501 pts Span 30.0 MHz</p> |

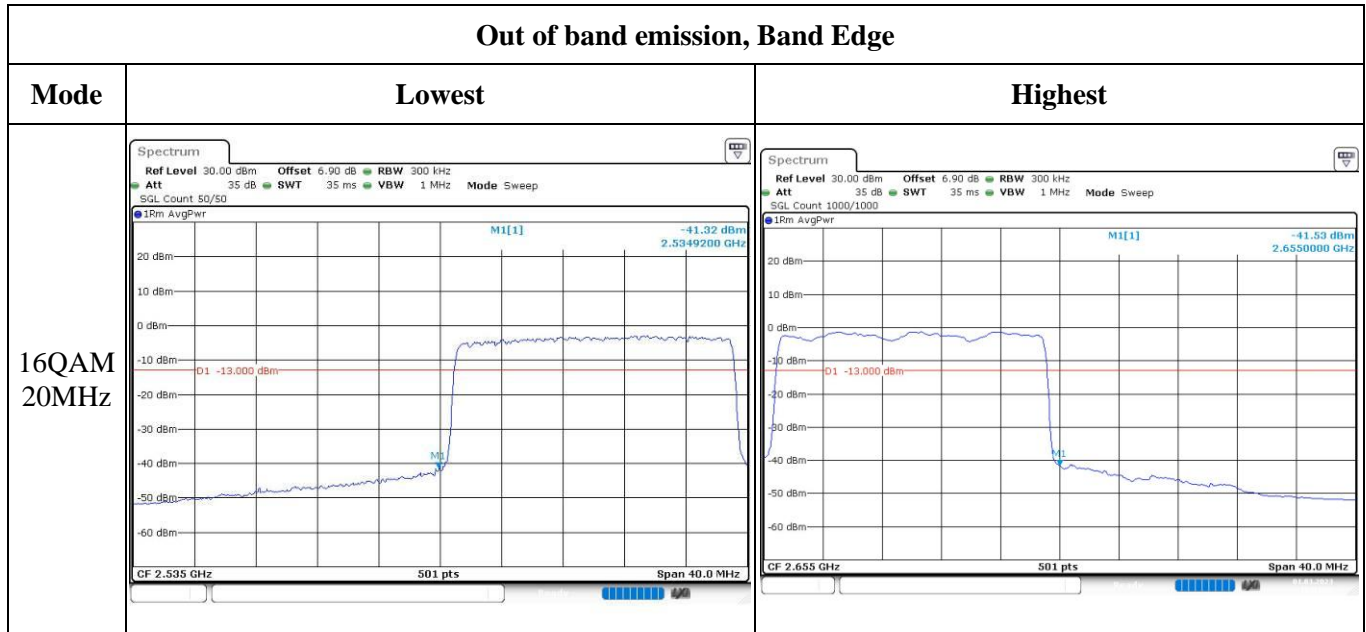
Out of band emission, Band Edge



Out of band emission, Band Edge

| Mode | Lowest | Highest |
|----------------|---|---|
| 16QAM 5MHz | <p>Spectrum Ref Level 30.00 dBm Offset 6.90 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 1Rm AvgPwr MI[1] -35.60 dBm 2.5350000 GHz -13.000 dBm CF 2.535 GHz 501 pts Span 10.0 MHz</p> | <p>Spectrum Ref Level 30.00 dBm Offset 6.90 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 1Rm AvgPwr MI[1] -36.86 dBm 2.6550000 GHz -13.000 dBm CF 2.655 GHz 501 pts Span 10.0 MHz</p> |
| 16QAM 10MHz | <p>Spectrum Ref Level 30.00 dBm Offset 6.90 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 1Rm AvgPwr MI[1] -43.33 dBm 2.5350000 GHz -13.000 dBm CF 2.535 GHz 501 pts Span 20.0 MHz</p> | <p>Spectrum Ref Level 30.00 dBm Offset 6.90 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 1Rm AvgPwr MI[1] -42.87 dBm 2.6550400 GHz -13.000 dBm CF 2.655 GHz 501 pts Span 20.0 MHz</p> |
| 16QAM 15MHz | <p>Spectrum Ref Level 30.00 dBm Offset 6.90 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SGL Count 50/50 1Rm AvgPwr MI[1] -40.94 dBm 2.5348800 GHz -13.000 dBm CF 2.535 GHz 501 pts Span 30.0 MHz</p> | <p>Spectrum Ref Level 30.00 dBm Offset 6.90 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SGL Count 50/50 1Rm AvgPwr MI[1] -39.77 dBm 2.6551200 GHz -13.000 dBm CF 2.655 GHz 501 pts Span 30.0 MHz</p> |

Out of band emission, Band Edge



4.14 Antenna Port Test Data and Results for LTE Band 66

| | | | |
|----------------|-------------|--------------|--------------|
| Serial Number: | 1ZLT | Test Date: | 2023/02/04 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | George Chen | Test Result: | Pass |

Environmental Conditions:

| | | | | | |
|----------------------|------|------------------------------|----|------------------------|-------|
| Temperature: (°C) | 21.3 | Relative Humidity: (%) | 42 | ATM Pressure: (kPa) | 101.2 |
|----------------------|------|------------------------------|----|------------------------|-------|

Test Equipment List and Details:

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---------------|--|------------|-----------------|------------------|----------------------|
| R&S | Spectrum Analyzer | FSV40 | 101474 | 2022/07/15 | 2023/07/14 |
| zhuoxiang | Coaxial Cable | SMA-178 | 211001 | Each time | N/A |
| YINSAIGE | Coaxial Cable | SS402 | SJ0100001 | Each time | N/A |
| Mini-Circuits | DC Block | BLK-18-S+ | 1554403 | Each time | N/A |
| Weinschel | Power Splitter | 1515 | RA914 | Each time | N/A |
| R&S | Wideband Radio Communication Tester | CMW500 | 149218 | 2022/04/06 | 2023/04/05 |
| BACL | TEMP&HUMI Test Chamber | BTH-150-40 | 30174 | 2022/09/29 | 2023/09/28 |
| UNI-T | Multimeter | UT39A+ | C210582554 | 2022/07/15 | 2023/07/14 |
| ZHAOXIN | DC Power Supply | RXN-6010D | 21R6010D0912386 | N/A | N/A |

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Frequency For Each Mode:

| Operation Bandwidth | Lowest Frequency (MHz) | Middle Frequency (MHz) | Highest Frequency (MHz) |
|---------------------|------------------------|------------------------|-------------------------|
| 1.4MHz | 1710.7 | 1745 | 1779.3 |
| 3MHz | 1711.5 | 1745 | 1778.5 |
| 5MHz | 1712.5 | 1745 | 1777.5 |
| 10MHz | 1715 | 1745 | 1775 |
| 15MHz | 1717.5 | 1745 | 1772.5 |
| 20MHz | 1720 | 1745 | 1770 |

Test Data:**FCC §2.1046; § 27.50(d)(4)****RF Output Power:**

| Test Bandwidth & Modulation | Resource Block & RB offset | Conducted Average Output Power(dBm) | | | Maximum EIRP (dBm) | EIRP Limit (dBm) |
|-----------------------------|----------------------------|-------------------------------------|----------------|-----------------|--------------------|------------------|
| | | Lowest Channel | Middle Channel | Highest Channel | | |
| 1.4MHz QPSK | RB1#0 | 22.86 | 22.74 | 22.73 | 21.34 | 30 |
| | RB1#3 | 22.94 | 22.77 | 22.78 | | |
| | RB1#5 | 22.87 | 22.72 | 22.72 | | |
| | RB3#0 | 23 | 22.87 | 22.88 | | |
| | RB3#3 | 23.03 | 22.87 | 22.88 | | |
| | RB6#0 | 22.02 | 21.92 | 21.92 | | |
| 1.4MHz 16QAM | RB1#0 | 21.91 | 21.76 | 21.9 | 20.37 | 30 |
| | RB1#3 | 21.96 | 21.79 | 21.93 | | |
| | RB1#5 | 21.89 | 21.77 | 21.84 | | |
| | RB3#0 | 22.04 | 22.05 | 21.83 | | |
| | RB3#3 | 22.06 | 22.05 | 21.81 | | |
| | RB6#0 | 21.07 | 20.98 | 20.97 | | |
| 3MHz QPSK | RB1#0 | 22.76 | 22.62 | 22.62 | 21.15 | 30 |
| | RB1#8 | 22.84 | 22.71 | 22.68 | | |
| | RB1#14 | 22.79 | 22.63 | 22.61 | | |
| | RB6#0 | 21.89 | 21.79 | 21.8 | | |
| | RB6#9 | 21.96 | 21.84 | 21.83 | | |
| | RB15#0 | 21.97 | 21.82 | 21.82 | | |
| 3MHz 16QAM | RB1#0 | 21.94 | 21.69 | 22.21 | 20.56 | 30 |
| | RB1#8 | 22 | 21.71 | 22.25 | | |
| | RB1#14 | 21.93 | 21.67 | 22.1 | | |
| | RB6#0 | 21 | 20.84 | 20.94 | | |
| | RB6#9 | 21.01 | 20.8 | 20.89 | | |
| | RB15#0 | 20.98 | 20.92 | 20.92 | | |
| 5MHz QPSK | RB1#0 | 23.08 | 22.86 | 22.85 | 21.45 | 30 |
| | RB1#13 | 23.14 | 23.02 | 23.02 | | |
| | RB1#24 | 23.08 | 22.91 | 22.9 | | |
| | RB15#0 | 22 | 21.99 | 21.98 | | |
| | RB15#10 | 22.12 | 21.93 | 21.94 | | |
| | RB25#0 | 22.07 | 21.93 | 21.97 | | |
| 5MHz 16QAM | RB1#0 | 22.34 | 22 | 21.76 | 20.81 | 30 |
| | RB1#13 | 22.5 | 22.09 | 21.92 | | |
| | RB1#24 | 22.37 | 21.99 | 21.8 | | |
| | RB15#0 | 21.04 | 21.03 | 21.01 | | |
| | RB15#10 | 21.14 | 21.02 | 21.01 | | |
| | RB25#0 | 21.11 | 21.05 | 21.04 | | |

| | | | | | | |
|-------------|---------|-------|-------|-------|-------|----|
| 10MHz QPSK | RB1#0 | 23.06 | 22.96 | 22.93 | 21.44 | 30 |
| | RB1#25 | 23.13 | 23 | 23.01 | | |
| | RB1#49 | 23.12 | 22.98 | 23 | | |
| | RB25#0 | 21.93 | 21.9 | 21.95 | | |
| | RB25#25 | 22.21 | 21.98 | 21.99 | | |
| | RB50#0 | 22.09 | 21.96 | 22 | | |
| 10MHz 16QAM | RB1#0 | 22.61 | 22.11 | 21.9 | 21.01 | 30 |
| | RB1#25 | 22.7 | 22.18 | 21.99 | | |
| | RB1#49 | 22.63 | 22.14 | 21.97 | | |
| | RB25#0 | 21.12 | 21 | 21.13 | | |
| | RB25#25 | 21.26 | 21.08 | 21.11 | | |
| | RB50#0 | 21.13 | 21 | 21.02 | | |
| 15MHz QPSK | RB1#0 | 22.96 | 22.92 | 22.91 | 21.45 | 30 |
| | RB1#38 | 23.14 | 22.98 | 23.01 | | |
| | RB1#74 | 23.03 | 22.91 | 22.95 | | |
| | RB36#0 | 21.98 | 21.96 | 22.02 | | |
| | RB36#39 | 22.17 | 21.95 | 22.04 | | |
| | RB75#0 | 22.11 | 22.06 | 22.03 | | |
| 15MHz 16QAM | RB1#0 | 22.53 | 22.06 | 22.2 | 21.02 | 30 |
| | RB1#38 | 22.71 | 22.18 | 22.34 | | |
| | RB1#74 | 22.6 | 22.07 | 22.34 | | |
| | RB36#0 | 21.02 | 21.04 | 21.02 | | |
| | RB36#39 | 21.18 | 21.05 | 21.03 | | |
| | RB75#0 | 21.12 | 21.04 | 21.04 | | |
| 20MHz QPSK | RB1#0 | 22.9 | 22.85 | 22.79 | 21.45 | 30 |
| | RB1#50 | 23.14 | 23.03 | 22.98 | | |
| | RB1#99 | 22.97 | 22.9 | 22.91 | | |
| | RB50#0 | 21.91 | 21.98 | 22.07 | | |
| | RB50#50 | 22.19 | 21.99 | 21.93 | | |
| | RB100#0 | 22.05 | 21.96 | 21.95 | | |
| 20MHz 16QAM | RB1#0 | 22.5 | 22.11 | 21.95 | 20.98 | 30 |
| | RB1#50 | 22.67 | 22.35 | 22.16 | | |
| | RB1#99 | 22.5 | 22.16 | 22.11 | | |
| | RB50#0 | 20.93 | 21.04 | 21.1 | | |
| | RB50#50 | 21.19 | 21.06 | 20.92 | | |
| | RB100#0 | 21.07 | 21.06 | 21 | | |

Note: EIRP=Conducted Power(dBm) - Lc(dB) + Gr(dBi)

Result:

Pass

| Peak-to-average Ratio(PAR) | | | | | |
|-----------------------------------|----------------------------|---------------------------|----------------|-----------------|-------------|
| Test Bandwidth & Modulation | Resource Block & RB offset | Peak-to-average Ratio(dB) | | | Limit (dB) |
| | | Lowest Channel | Middle Channel | Highest Channel | |
| 20MHz QPSK | RB1#0 | 4.75 | 4.43 | 4.38 | 13 |
| | RB100#0 | 4.06 | 4.17 | 4 | 13 |
| 20MHz 16QAM | RB1#0 | 5.36 | 5.25 | 5.39 | 13 |
| | RB100#0 | 5.77 | 5.86 | 5.71 | 13 |
| Result: | | | | | Pass |

| FCC §2.1049, §27.53:Occupied Bandwidth | | | | | | |
|--|------------------------------|----------------|--------------|--------------------------------|----------------|--------------|
| Operation Mode | 99% Occupied Bandwidth (MHz) | | | 26 dB Occupied Bandwidth (MHz) | | |
| | Low Channel | Middle channel | High Channel | Low Channel | Middle Channel | High Channel |
| 1.4MHz QPSK | 1.102 | 1.108 | 1.102 | 1.302 | 1.278 | 1.284 |
| 1.4MHz 16QAM | 1.096 | 1.102 | 1.102 | 1.278 | 1.29 | 1.308 |
| 3MHz QPSK | 2.683 | 2.683 | 2.683 | 2.928 | 2.94 | 2.916 |
| 3MHz 16QAM | 2.683 | 2.683 | 2.683 | 2.952 | 2.94 | 2.94 |
| 5MHz QPSK | 4.511 | 4.491 | 4.531 | 4.94 | 4.92 | 4.94 |
| 5MHz 16QAM | 4.531 | 4.531 | 4.491 | 4.94 | 4.96 | 4.92 |
| 10MHz QPSK | 8.982 | 8.942 | 8.942 | 9.64 | 9.64 | 9.68 |
| 10MHz 16QAM | 8.982 | 8.942 | 8.942 | 9.56 | 9.64 | 9.6 |
| 15MHz QPSK | 13.473 | 13.533 | 13.533 | 14.76 | 15.36 | 14.7 |
| 15MHz 16QAM | 13.533 | 13.473 | 13.533 | 14.64 | 14.7 | 14.64 |
| 20MHz QPSK | 17.884 | 17.964 | 17.964 | 19.28 | 19.6 | 19.28 |
| 20MHz 16QAM | 17.884 | 17.964 | 18.044 | 19.28 | 19.36 | 19.28 |
| Note: The test plots please refer to the Plots of Occupied Bandwidth | | | | | | |

| FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal | |
|---|--|
| Result: | Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal. |

| FCC §2.1051, §27.53:Out of band emission, Band Edge | |
|--|---|
| Result: | Pass, Please refer to the test plots of Out of band emission, Band Edge. |

| FCC §2.1055, §27.54: Frequency Stability | | | | | | |
|---|------------------|--|------------------|---------|------------------|-------------|
| Test Mode: | 20M QPSK | Test Channel: Lowest for Lower Edge,Highest for Upper Edge | | | | |
| Test Item | Temperature (°C) | Voltage (V _{DC}) | Lower Edge (MHz) | | Upper Edge (MHz) | |
| | | | Result | Limit | Result | Limit |
| Frequency Stability vs. Temperature | -30 | 3.89 | 1710.6141 | 1710.00 | 1779.4090 | 1780 |
| | -20 | 3.89 | 1710.6175 | 1710.00 | 1779.4097 | 1780 |
| | -10 | 3.89 | 1710.6126 | 1710.00 | 1779.4052 | 1780 |
| | 0 | 3.89 | 1710.6181 | 1710.00 | 1779.4063 | 1780 |
| | 10 | 3.89 | 1710.6165 | 1710.00 | 1779.4064 | 1780 |
| | 20 | 3.89 | 1710.6138 | 1710.00 | 1779.4022 | 1780 |
| | 30 | 3.89 | 1710.6122 | 1710.00 | 1779.4035 | 1780 |
| | 40 | 3.89 | 1710.6190 | 1710.00 | 1779.4014 | 1780 |
| Frequency Stability vs. Voltage | 20 | 3.45 | 1710.6193 | 1710.00 | 1779.4031 | 1780 |
| | 20 | 4.48 | 1710.6195 | 1710.00 | 1779.4061 | 1780 |
| | | | | | Result: | Pass |

| Test Mode: | 20M 16QAM | Test Channel: Lowest for Lower Edge,Highest for Upper Edge | | | | |
|-------------------------------------|------------------|--|------------------|---------|------------------|-------------|
| Test Item | Temperature (°C) | Voltage (V _{DC}) | Lower Edge (MHz) | | Upper Edge (MHz) | |
| | | | Result | Limit | Result | Limit |
| Frequency Stability vs. Temperature | -30 | 3.89 | 1710.6148 | 1710.00 | 1779.4988 | 1780 |
| | -20 | 3.89 | 1710.6173 | 1710.00 | 1779.4972 | 1780 |
| | -10 | 3.89 | 1710.6114 | 1710.00 | 1779.4974 | 1780 |
| | 0 | 3.89 | 1710.6129 | 1710.00 | 1779.4979 | 1780 |
| | 10 | 3.89 | 1710.6195 | 1710.00 | 1779.4975 | 1780 |
| | 20 | 3.89 | 1710.6138 | 1710.00 | 1779.4942 | 1780 |
| | 30 | 3.89 | 1710.6111 | 1710.00 | 1779.4960 | 1780 |
| | 40 | 3.89 | 1710.6148 | 1710.00 | 1779.4944 | 1780 |
| | 50 | 3.89 | 1710.6151 | 1710.00 | 1779.4919 | 1780 |
| Frequency Stability vs. Voltage | 20 | 3.45 | 1710.6143 | 1710.00 | 1779.4950 | 1780 |
| | 20 | 4.48 | 1710.6116 | 1710.00 | 1779.4968 | 1780 |
| | | | | | Result: | Pass |

Test Plots(Note: The 5.6dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

Occupied Bandwidth

