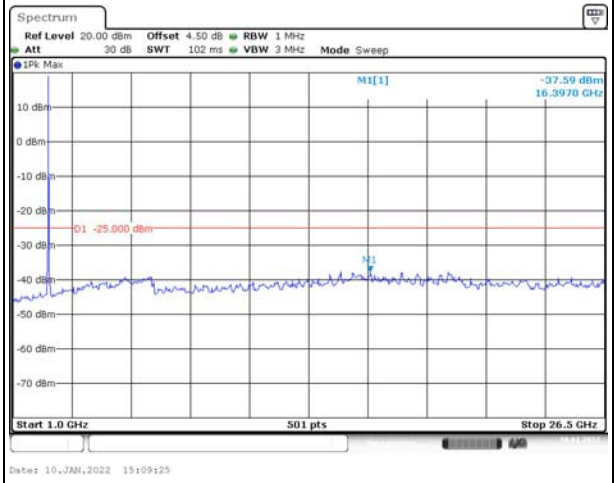
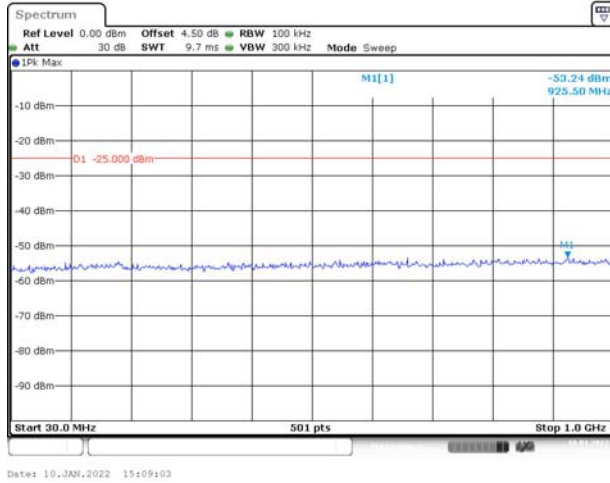


Spurious Emissions at Antenna Terminal

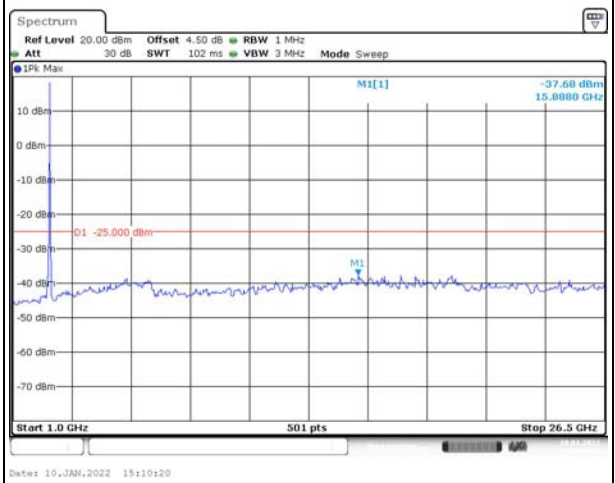
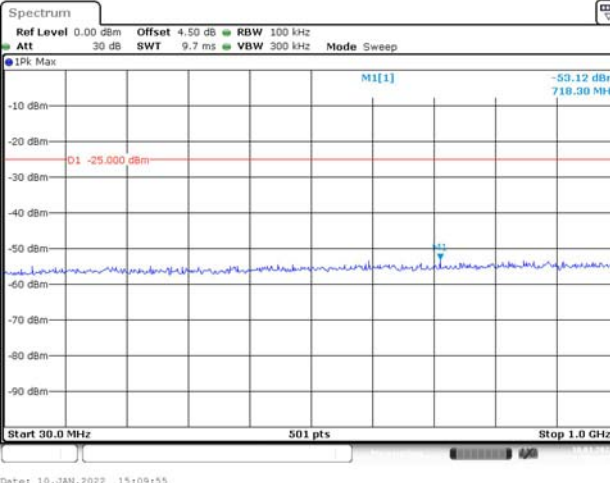
Channel

5MHz Bandwidth QPSK

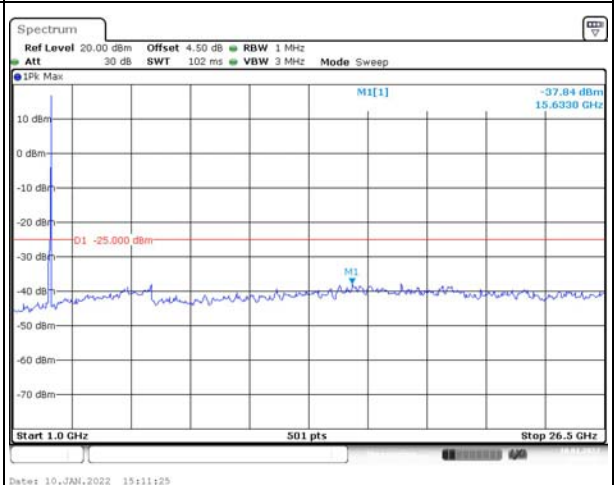
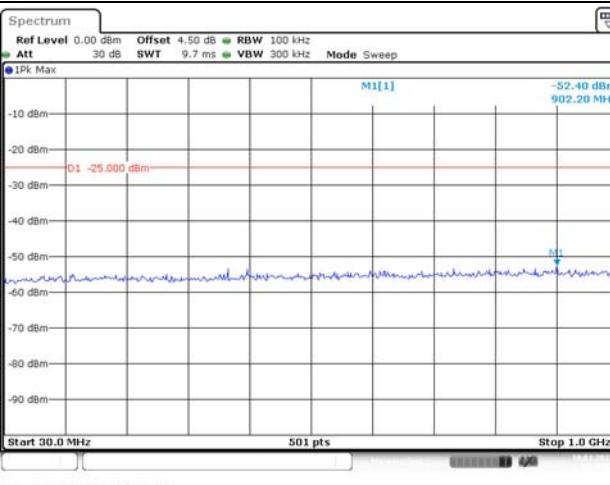
Lowest



Middle



Highest

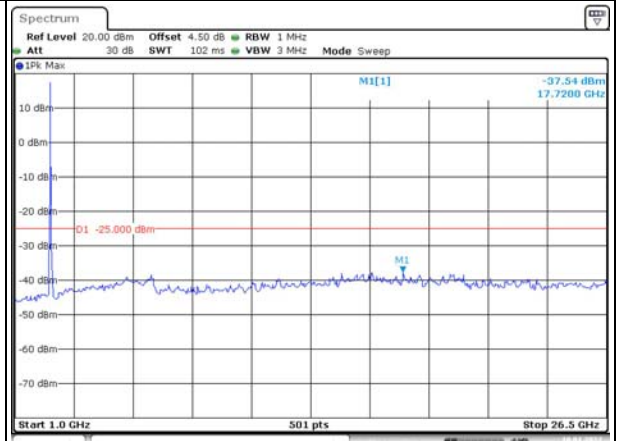
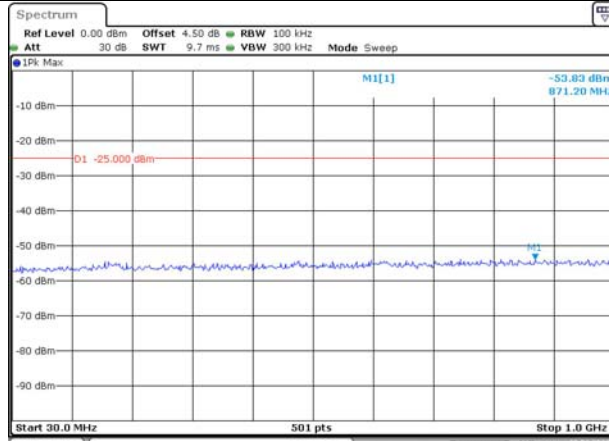


Spurious Emissions at Antenna Terminal

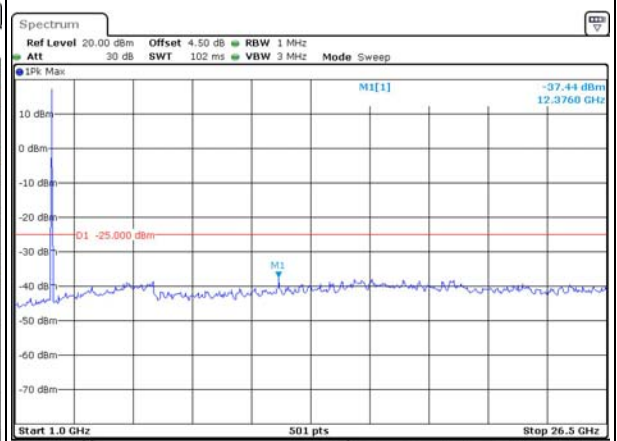
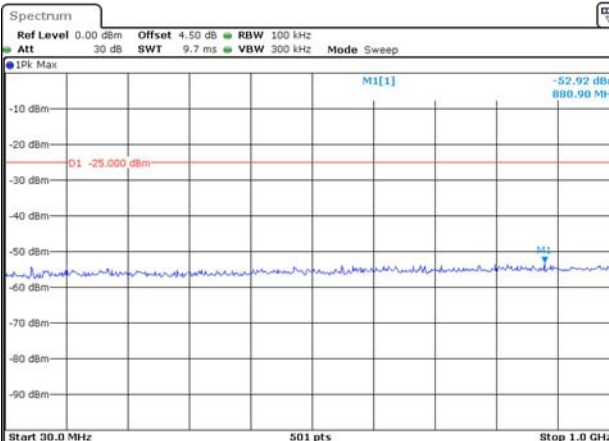
Channel

10MHz Bandwidth QPSK

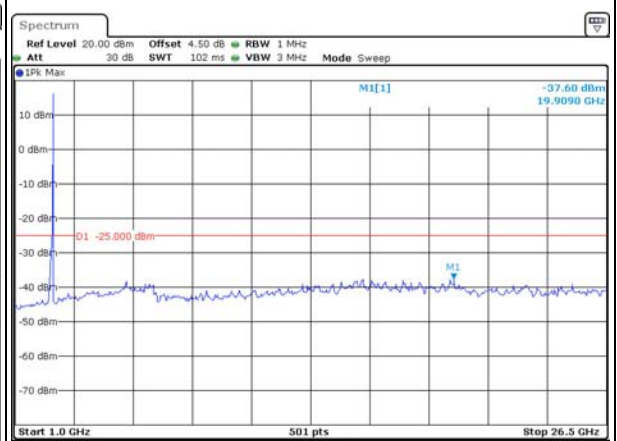
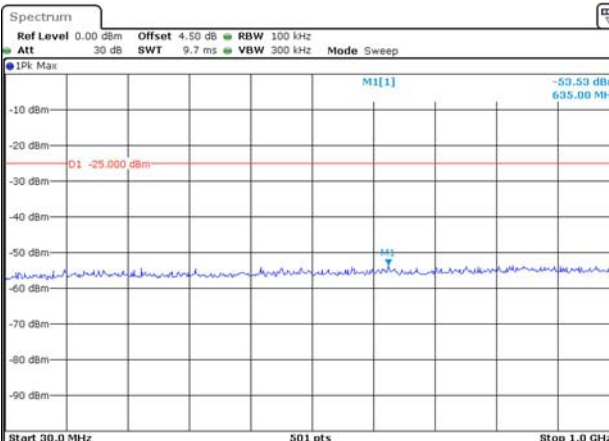
Lowest



Middle



Highest

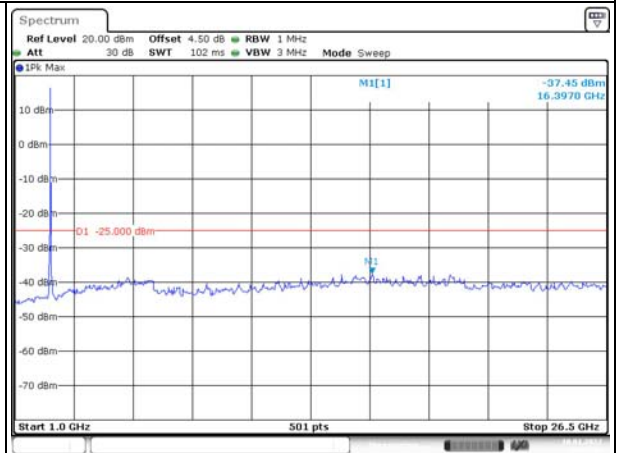
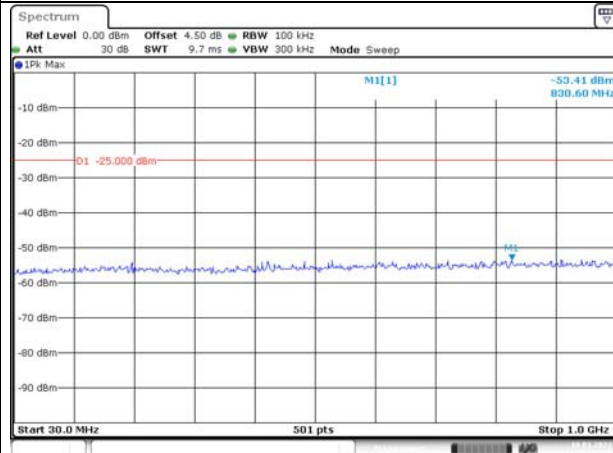


Spurious Emissions at Antenna Terminal

Channel

15MHz Bandwidth QPSK

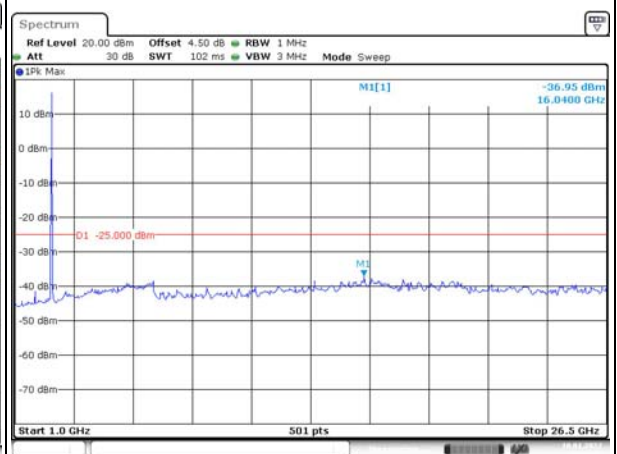
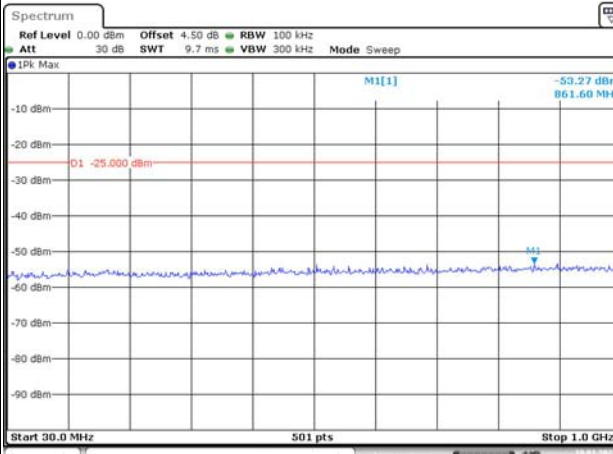
Lowest



Date: 10, JAN, 2022 15:15:01

Date: 10, JAN, 2022 15:15:33

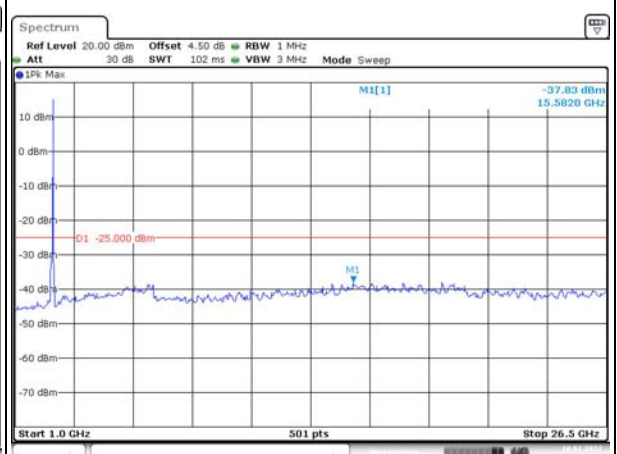
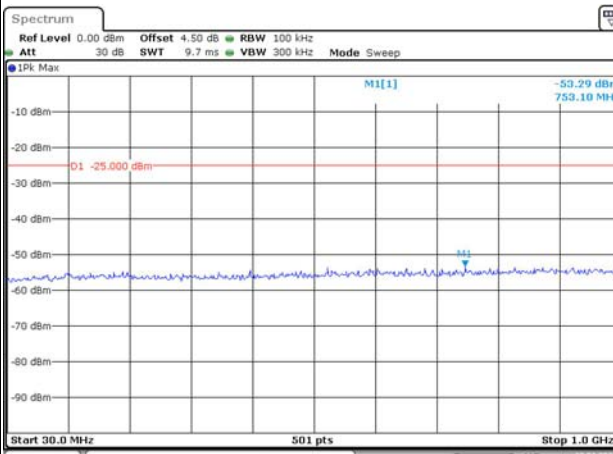
Middle



Date: 10, JAN, 2022 15:16:06

Date: 10, JAN, 2022 15:16:38

Highest



Date: 10, JAN, 2022 15:17:14

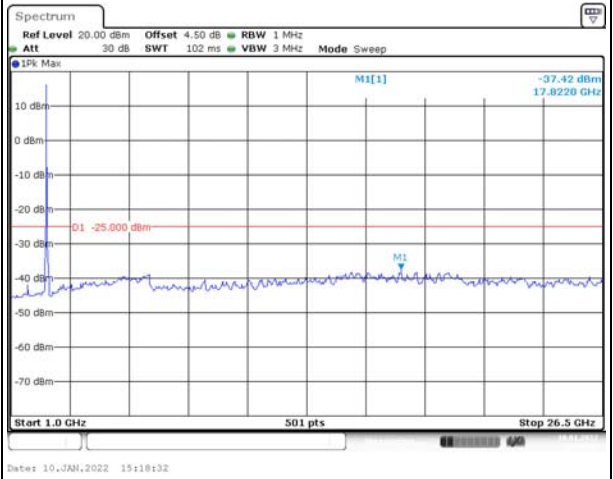
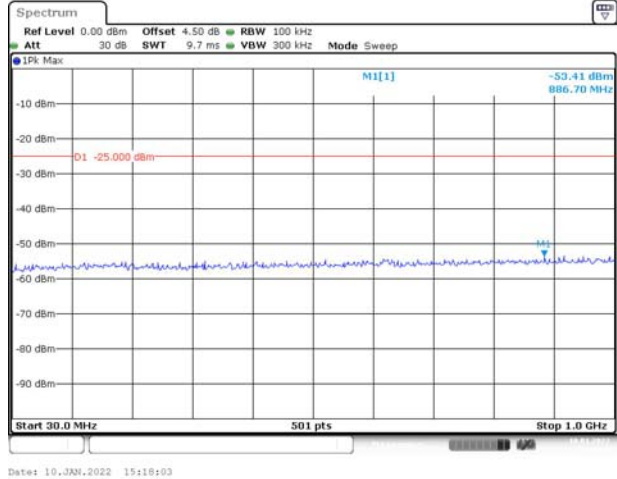
Date: 10, JAN, 2022 15:17:36

Spurious Emissions at Antenna Terminal

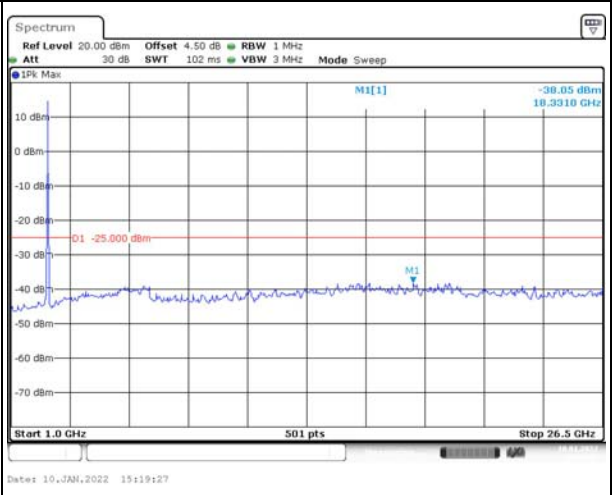
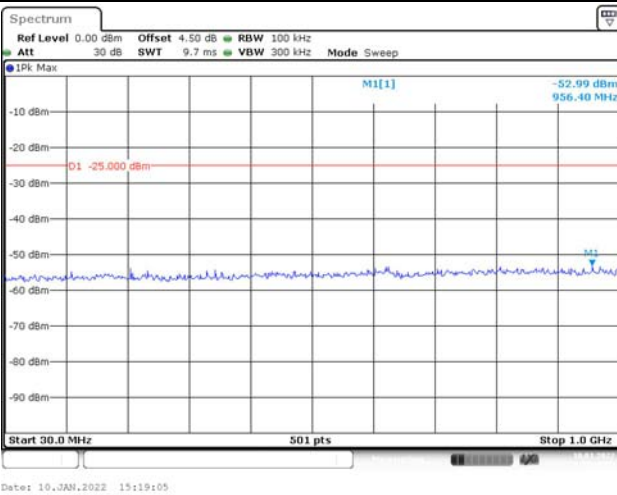
Channel

20MHz Bandwidth QPSK

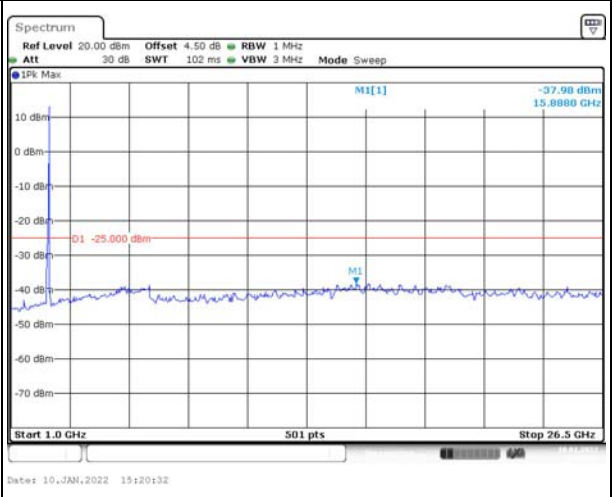
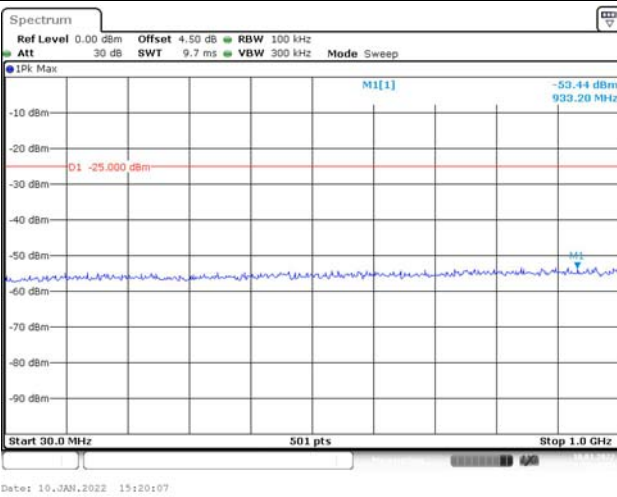
Lowest



Middle



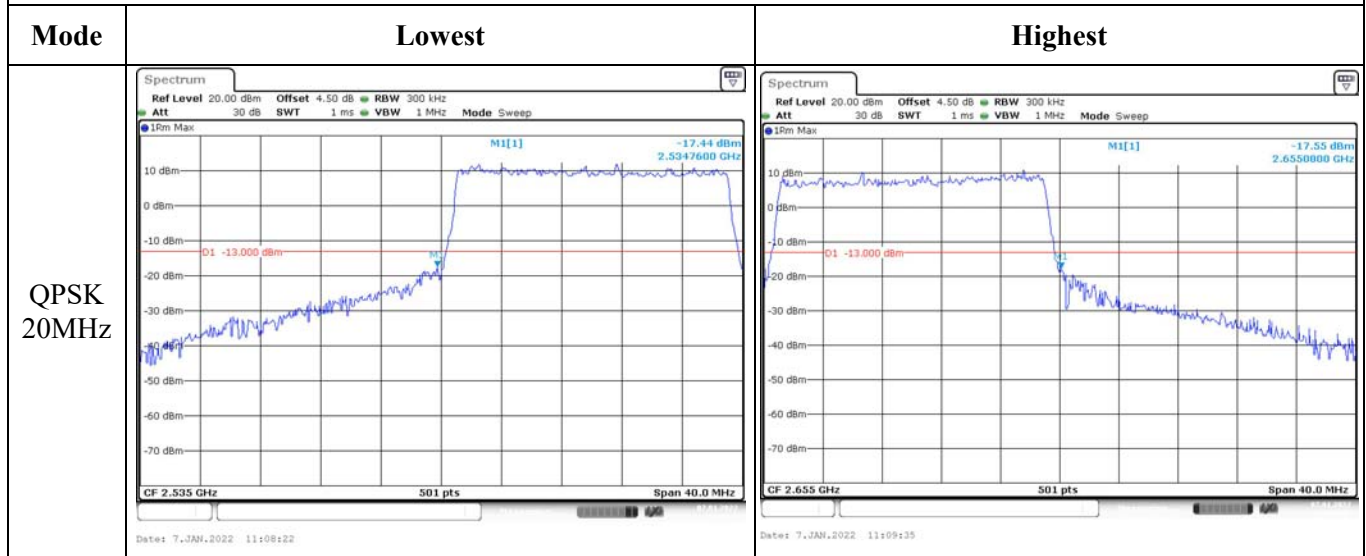
Highest



Out of band emission, Band Edge

| Mode | Lowest | Highest |
|---------------|--------|---------|
| QPSK 5MHz | | |
| QPSK 10MHz | | |
| QPSK 15MHz | | |

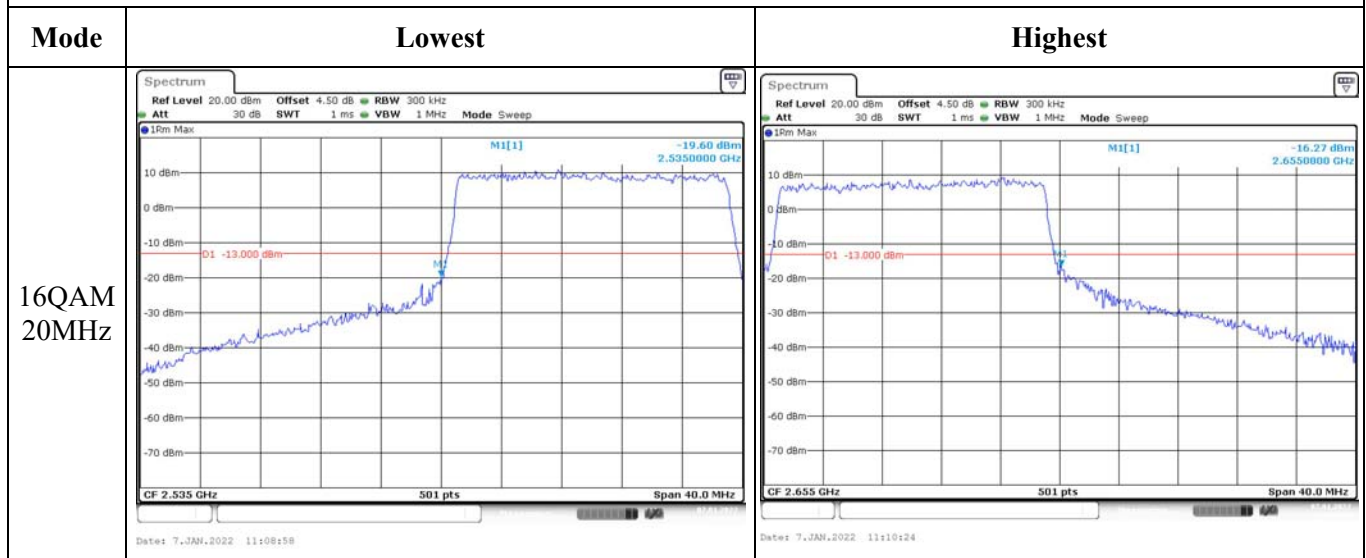
Out of band emission, Band Edge



Out of band emission, Band Edge

| Mode | Lowest | Highest |
|----------------|--------|---------|
| 16QAM 5MHz | | |
| 16QAM 10MHz | | |
| 16QAM 15MHz | | |

Out of band emission, Band Edge



4.12 Antenna Port Test Data and Results for LTE Band 66:

| | | | |
|----------------|---------------|--------------|--------------|
| Serial Number: | CR21120041-RF | Test Date: | 2021/11/24 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | LE Qiao | Test Result: | Pass |

Environmental Conditions:

| | | | | | |
|----------------------|------|---------------------------|----|------------------------|-------|
| Temperature: (°C) | 22.1 | Relative Humidity: (%) | 41 | ATM Pressure: (kPa) | 101.7 |
|----------------------|------|---------------------------|----|------------------------|-------|

Test Equipment List and Details:

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---------------|-------------------------------------|-------------------|---------------|------------------|----------------------|
| R&S | Spectrum Analyzer | Spectrum Analyzer | 101474 | 2021/7/22 | 2022/7/21 |
| zhuoxiang | Coaxial Cable | SMA-178 | 211001 | Each time | N/A |
| Mini-Circuits | DC Block | BLK-18-S+ | 1554403 | Each time | N/A |
| Weinschel | Coaxial Attenuators | 53-20-34 | LN751 | Each time | N/A |
| R&S | Wideband Radio Communication Tester | CMW500 | 149218 | 2021/7/22 | 2022/7/21 |
| BACL | TEMP&HUMI Test Chamber | BTH-150 | 30026 | 2021/7/22 | 2022/7/22 |
| UNI-T | Multimeter | UT39A+ | C210582554 | 2021/9/30 | 2022/9/30 |
| E-Microwave | Two-way Splitter | ODP-1-6 | OE0120176 | Each Time | 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).

EUT Information@ LTE Band 66▲:

| | | | |
|--------------------------------------|-----|---------------------|-----|
| Antenna Gain (dBi): | 1 | Cable Loss (dB): | 0 |
| Operation Voltage(V _{DC}): | | | |
| Lowest: | 3.5 | Normal: | 3.7 |
| | | Highest: | 4.2 |

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 | 22.81 | 22.83 | 22.65 | 23.88 | 30 |
| | RB1#3 | 22.80 | 22.83 | 22.63 | | |
| | RB1#5 | 22.84 | 22.81 | 22.66 | | |
| | RB3#0 | 22.88 | 22.68 | 22.72 | | |
| | RB3#3 | 22.87 | 22.72 | 22.76 | | |
| | RB6#0 | 21.81 | 21.57 | 21.61 | | |
| 1.4MHz 16QAM | RB1#0 | 22.43 | 22.56 | 22.31 | 23.72 | 30 |
| | RB1#3 | 22.49 | 22.63 | 22.37 | | |
| | RB1#5 | 22.45 | 22.56 | 22.35 | | |
| | RB3#0 | 21.86 | 21.81 | 21.78 | | |
| | RB3#3 | 22.72 | 21.91 | 21.79 | | |
| | RB6#0 | 20.03 | 20.77 | 20.92 | | |
| 3MHz QPSK | RB1#0 | 22.75 | 22.54 | 22.62 | 23.75 | 30 |
| | RB1#8 | 22.67 | 22.50 | 22.62 | | |
| | RB1#14 | 22.73 | 22.51 | 22.60 | | |
| | RB6#0 | 21.79 | 21.67 | 21.66 | | |
| | RB6#9 | 21.77 | 21.71 | 21.61 | | |
| | RB15#0 | 21.70 | 21.67 | 21.63 | | |
| 3MHz 16QAM | RB1#0 | 22.00 | 22.39 | 21.42 | 23.46 | 30 |
| | RB1#8 | 21.97 | 22.46 | 21.38 | | |
| | RB1#14 | 22.03 | 22.35 | 21.40 | | |
| | RB6#0 | 20.99 | 20.69 | 20.99 | | |
| | RB6#9 | 21.02 | 20.77 | 21.00 | | |
| | RB15#0 | 20.98 | 20.89 | 20.82 | | |
| 5MHz QPSK | RB1#0 | 22.71 | 22.77 | 22.62 | 23.84 | 30 |
| | RB1#13 | 22.70 | 22.78 | 22.63 | | |
| | RB1#24 | 22.66 | 22.84 | 22.63 | | |
| | RB15#0 | 21.77 | 21.62 | 21.54 | | |
| | RB15#10 | 21.73 | 21.55 | 21.59 | | |
| | RB25#0 | 21.71 | 21.55 | 21.59 | | |
| 5MHz 16QAM | RB1#0 | 20.99 | 21.78 | 21.33 | 22.83 | 30 |
| | RB1#13 | 20.95 | 21.82 | 21.34 | | |
| | RB1#24 | 20.95 | 21.83 | 21.37 | | |
| | RB15#0 | 20.95 | 20.68 | 20.81 | | |
| | RB15#10 | 20.91 | 20.66 | 20.80 | | |
| | RB25#0 | 20.98 | 20.82 | 20.71 | | |

| | | | | | | |
|-------------|---------|-------|-------|-------|-------|----|
| 10MHz QPSK | RB1#0 | 22.78 | 22.56 | 22.59 | 23.89 | 30 |
| | RB1#25 | 22.89 | 22.57 | 22.63 | | |
| | RB1#49 | 22.77 | 22.60 | 22.62 | | |
| | RB25#0 | 21.78 | 21.57 | 21.67 | | |
| | RB25#25 | 21.83 | 21.55 | 21.68 | | |
| | RB50#0 | 21.81 | 21.66 | 21.62 | | |
| 10MHz 16QAM | RB1#0 | 21.61 | 21.84 | 21.76 | 22.95 | 30 |
| | RB1#25 | 21.58 | 21.87 | 21.74 | | |
| | RB1#49 | 21.53 | 21.95 | 21.74 | | |
| | RB25#0 | 21.09 | 20.82 | 20.87 | | |
| | RB25#25 | 21.05 | 20.75 | 20.84 | | |
| | RB50#0 | 20.96 | 20.81 | 20.80 | | |
| 15MHz QPSK | RB1#0 | 22.72 | 22.58 | 22.62 | 23.72 | 30 |
| | RB1#38 | 22.70 | 22.56 | 22.63 | | |
| | RB1#74 | 22.70 | 22.63 | 22.65 | | |
| | RB36#0 | 21.79 | 21.68 | 21.60 | | |
| | RB36#39 | 21.72 | 21.53 | 21.70 | | |
| | RB75#0 | 21.73 | 21.68 | 21.65 | | |
| 15MHz 16QAM | RB1#0 | 22.31 | 22.28 | 22.10 | 23.35 | 30 |
| | RB1#38 | 22.25 | 22.27 | 22.08 | | |
| | RB1#74 | 22.15 | 22.35 | 22.14 | | |
| | RB36#0 | 20.92 | 20.81 | 20.83 | | |
| | RB36#39 | 20.93 | 20.83 | 20.85 | | |
| | RB75#0 | 20.75 | 20.79 | 20.81 | | |
| 20MHz QPSK | RB1#0 | 22.99 | 22.59 | 22.59 | 23.99 | 30 |
| | RB1#50 | 22.91 | 22.61 | 22.62 | | |
| | RB1#99 | 22.92 | 22.57 | 22.66 | | |
| | RB50#0 | 21.75 | 21.64 | 21.59 | | |
| | RB50#50 | 21.68 | 21.72 | 21.64 | | |
| | RB100#0 | 21.69 | 21.54 | 21.63 | | |
| 20MHz 16QAM | RB1#0 | 21.75 | 22.31 | 22.37 | 23.43 | 30 |
| | RB1#50 | 21.70 | 22.28 | 22.37 | | |
| | RB1#99 | 21.67 | 22.43 | 22.40 | | |
| | RB50#0 | 20.94 | 20.88 | 20.74 | | |
| | RB50#50 | 20.93 | 20.88 | 20.77 | | |
| | RB100#0 | 20.93 | 20.78 | 20.86 | | |

Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(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 | 4.06 | 5.48 | 3.80 | 13 |
| | RB100#0 | 5.07 | 4.96 | 5.39 | 13 |
| 20MHz 16QAM | RB1#0 | 5.33 | 6.09 | 5.13 | 13 |
| | RB100#0 | 5.97 | 5.91 | 6.38 | 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 | 1.102 | 1.102 | 1.254 | 1.254 | 1.260 |
| 1.4MHz 16QAM | 1.108 | 1.102 | 1.096 | 1.266 | 1.260 | 1.254 |
| 3MHz QPSK | 2.707 | 2.695 | 2.695 | 3.000 | 3.000 | 3.024 |
| 3MHz 16QAM | 2.695 | 2.695 | 2.683 | 3.024 | 3.000 | 3.024 |
| 5MHz QPSK | 4.531 | 4.531 | 4.511 | 4.980 | 5.020 | 5.000 |
| 5MHz 16QAM | 4.511 | 4.531 | 4.551 | 4.980 | 5.020 | 5.040 |
| 10MHz QPSK | 8.981 | 8.942 | 8.942 | 9.760 | 9.680 | 9.760 |
| 10MHz 16QAM | 8.942 | 8.942 | 8.981 | 9.760 | 9.800 | 9.880 |
| 15MHz QPSK | 13.533 | 13.473 | 13.533 | 15.120 | 15.000 | 15.120 |
| 15MHz 16QAM | 13.533 | 13.533 | 13.533 | 15.000 | 15.060 | 15.060 |
| 20MHz QPSK | 17.964 | 17.964 | 18.044 | 19.600 | 19.520 | 19.760 |
| 20MHz 16QAM | 18.044 | 17.964 | 18.044 | 19.760 | 19.680 | 19.680 |

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. |

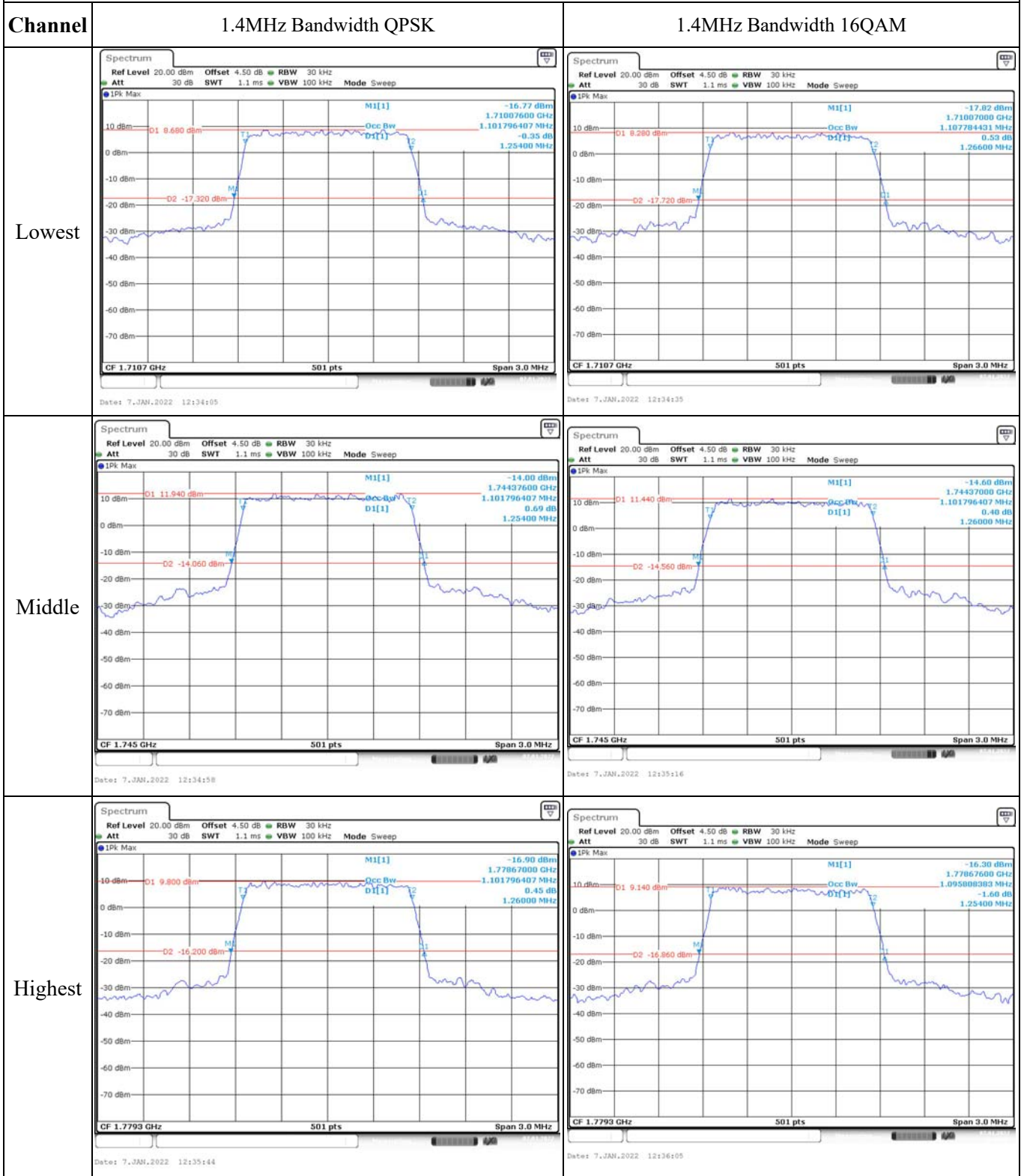
FCC §2.1055, §27.54: Frequency Stability

| 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 | 3.7 | 1710.514 | 1710.00 | 1779.486 | 1780 |
| | -20 | 3.7 | 1710.518 | 1710.00 | 1779.489 | 1780 |
| | -10 | 3.7 | 1710.514 | 1710.00 | 1779.486 | 1780 |
| | 0 | 3.7 | 1710.519 | 1710.00 | 1779.482 | 1780 |
| | 10 | 3.7 | 1710.517 | 1710.00 | 1779.484 | 1780 |
| | 20 | 3.7 | 1710.514 | 1710.00 | 1779.486 | 1780 |
| | 30 | 3.7 | 1710.519 | 1710.00 | 1779.482 | 1780 |
| | 40 | 3.7 | 1710.514 | 1710.00 | 1779.486 | 1780 |
| Frequency Stability vs. Voltage | 20 | 3.5 | 1710.514 | 1710.00 | 1779.486 | 1780 |
| | 20 | 4.2 | 1710.517 | 1710.00 | 1779.489 | 1780 |
| | | | | | Result: | Pass |

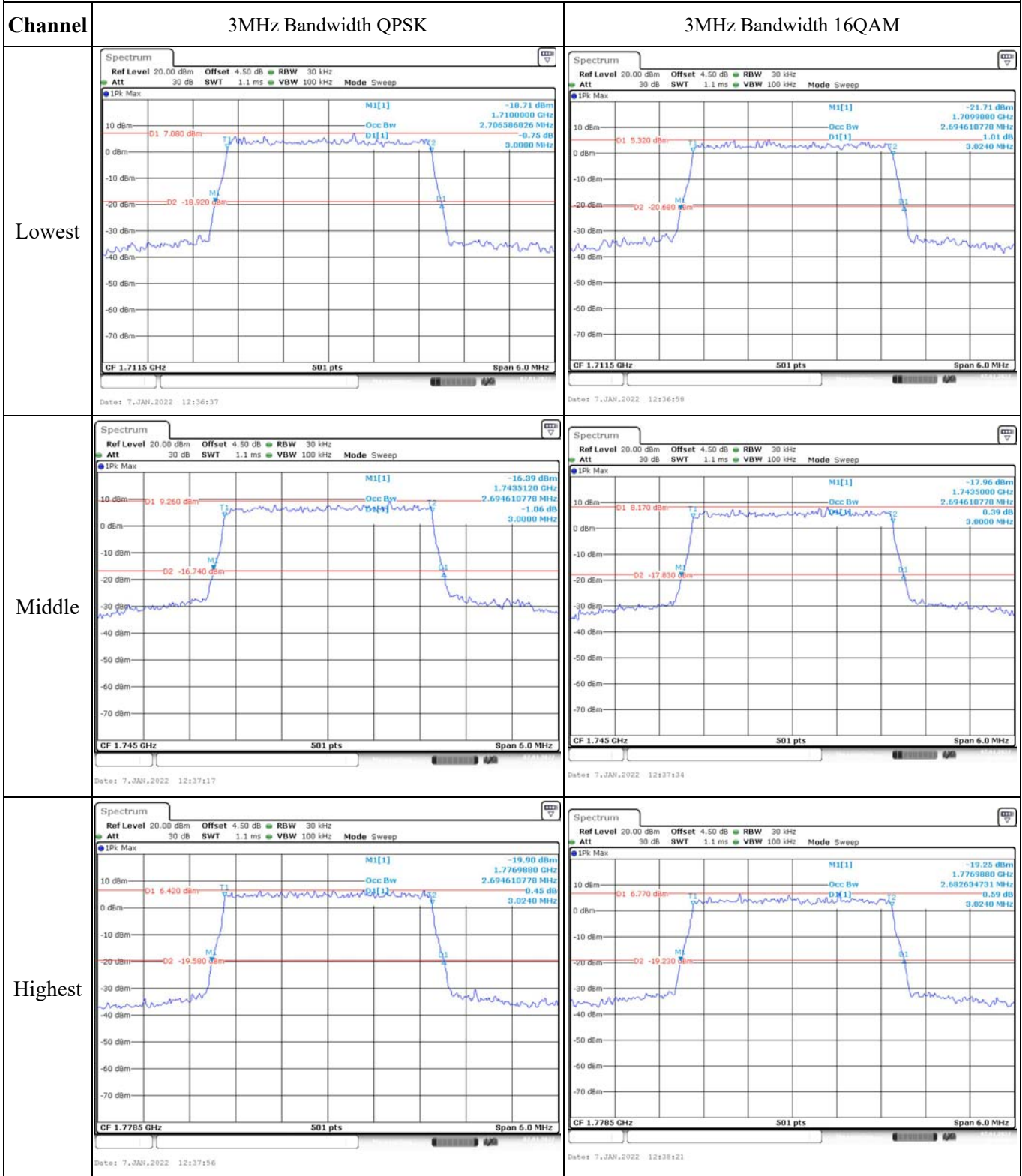
| Test Mode: | 20M 16QAM | Test Channel: Lowest for Lower Edge,Highest for Upper Edge | | | | |
|-------------------------------------|------------------|--|------------------|---------|------------------|-------------|
| Test Item | Temperature (°C) | Voltage (V _{DC}) | Lower Edge (MHz) | | Upper Edge (MHz) | |
| | | | Result | Limit | Result | Limit |
| Frequency Stability vs. Temperature | -30 | 3.7 | 1710.514 | 1710.00 | 1779.486 | 1780 |
| | -20 | 3.7 | 1710.511 | 1710.00 | 1779.485 | 1780 |
| | -10 | 3.7 | 1710.514 | 1710.00 | 1779.486 | 1780 |
| | 0 | 3.7 | 1710.512 | 1710.00 | 1779.487 | 1780 |
| | 10 | 3.7 | 1710.513 | 1710.00 | 1779.487 | 1780 |
| | 20 | 3.7 | 1710.514 | 1710.00 | 1779.486 | 1780 |
| | 30 | 3.7 | 1710.511 | 1710.00 | 1779.486 | 1780 |
| | 40 | 3.7 | 1710.514 | 1710.00 | 1779.484 | 1780 |
| Frequency Stability vs. Voltage | 20 | 3.5 | 1710.514 | 1710.00 | 1779.487 | 1780 |
| | 20 | 4.2 | 1710.517 | 1710.00 | 1779.486 | 1780 |
| | | | | | Result: | Pass |

Test Plots:

Occupied Bandwidth



Occupied Bandwidth



Occupied Bandwidth

| Channel | 5MHz Bandwidth QPSK | 5MHz Bandwidth 16QAM |
|---------|---|---|
| Lowest | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 100 kHz Att 30 dB SWT 1 ms VBW 300 kHz Mode Sweep CF 1.7125 GHz 501 pts Span 10.0 MHz Date: 7, JAN, 2022 12:38:55</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 100 kHz Att 30 dB SWT 1 ms VBW 300 kHz Mode Sweep CF 1.7125 GHz 501 pts Span 10.0 MHz Date: 7, JAN, 2022 12:39:29</p> |
| Middle | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 100 kHz Att 30 dB SWT 1 ms VBW 300 kHz Mode Sweep CF 1.745 GHz 501 pts Span 10.0 MHz Date: 7, JAN, 2022 12:40:00</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 100 kHz Att 30 dB SWT 1 ms VBW 300 kHz Mode Sweep CF 1.745 GHz 501 pts Span 10.0 MHz Date: 7, JAN, 2022 12:40:27</p> |
| Highest | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 100 kHz Att 30 dB SWT 1 ms VBW 300 kHz Mode Sweep CF 1.7775 GHz 501 pts Span 10.0 MHz Date: 7, JAN, 2022 12:40:59</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 100 kHz Att 30 dB SWT 1 ms VBW 300 kHz Mode Sweep CF 1.7775 GHz 501 pts Span 10.0 MHz Date: 7, JAN, 2022 12:41:26</p> |

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 20.00 dBm Offset 4.50 dB RBW 300 kHz Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>IPk Max</p> <p>M1[1] -17.09 dBm 1.7099400 GHz Occ Bw 13.532934132 MHz 0.19 dB D1[1] 15.1200 MHz</p> <p>D1 9.390 dBm D2 -16.610 dBm</p> <p>CF 1.7175 GHz 501 pts Span 30.0 MHz</p> <p>Date: 7, JAN, 2022 12:44:51</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 300 kHz Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>IPk Max</p> <p>M1[1] -17.33 dBm 1.7100000 GHz Occ Bw 13.532934132 MHz 0.90 dB D1[1] 15.0000 MHz</p> <p>D1 6.970 dBm D2 -17.030 dBm</p> <p>CF 1.7175 GHz 501 pts Span 30.0 MHz</p> <p>Date: 7, JAN, 2022 12:45:15</p> |
| Middle | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 300 kHz Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>IPk Max</p> <p>M1[1] -14.65 dBm 1.7374200 GHz Occ Bw 13.473053892 MHz 1.02 dB D1[1] 15.0000 MHz</p> <p>D1 12.260 dBm D2 -13.740 dBm</p> <p>CF 1.745 GHz 501 pts Span 30.0 MHz</p> <p>Date: 7, JAN, 2022 12:45:40</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 300 kHz Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>IPk Max</p> <p>M1[1] -14.18 dBm 1.7375000 GHz Occ Bw 13.532934132 MHz 0.57 dB D1[1] 15.0600 MHz</p> <p>D1 11.930 dBm D2 -14.070 dBm</p> <p>CF 1.745 GHz 501 pts Span 30.0 MHz</p> <p>Date: 7, JAN, 2022 12:46:08</p> |
| Highest | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 300 kHz Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>IPk Max</p> <p>M1[1] -15.44 dBm 1.7649400 GHz Occ Bw 13.532934132 MHz -0.26 dB D1[1] 15.1200 MHz</p> <p>D1 10.920 dBm D2 -15.080 dBm</p> <p>CF 1.7725 GHz 501 pts Span 30.0 MHz</p> <p>Date: 7, JAN, 2022 12:46:33</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 300 kHz Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>IPk Max</p> <p>M1[1] -15.72 dBm 1.7649400 GHz Occ Bw 13.532934132 MHz 0.55 dB D1[1] 15.0600 MHz</p> <p>D1 10.520 dBm D2 -15.480 dBm</p> <p>CF 1.7725 GHz 501 pts Span 30.0 MHz</p> <p>Date: 7, JAN, 2022 12:47:01</p> |

Occupied Bandwidth

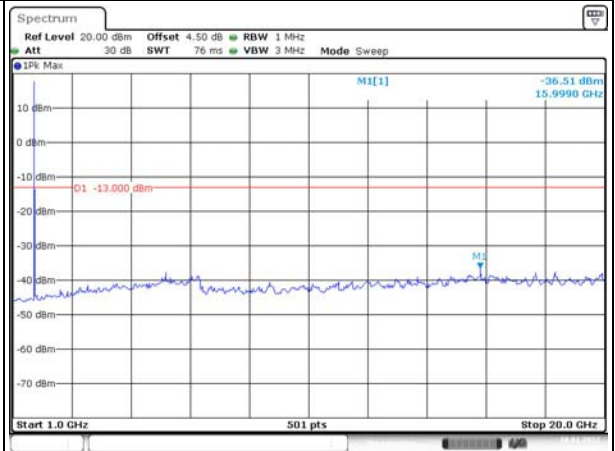
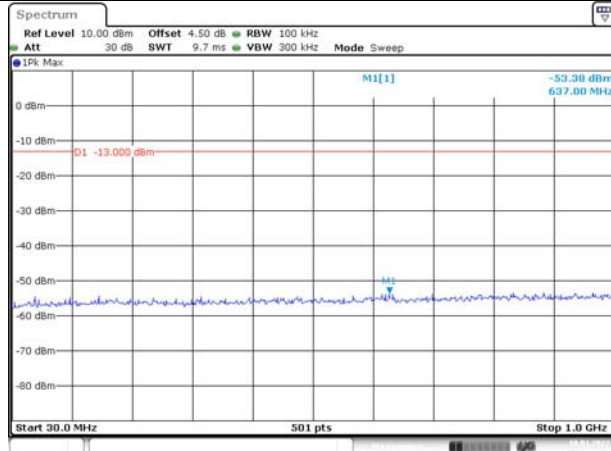
| Channel | 20MHz Bandwidth QPSK | 20MHz Bandwidth 16QAM |
|---------|--|--|
| Lowest | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 300 kHz Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>IPk Max</p> <p>M1[1] -16.79 dBm 1.7102400 GHz Occ Bw 17.964071856 MHz -0.60 dB 19.6080 MHz</p> <p>D1 8.310 dBm D2 -17.690 dBm</p> <p>CF 1.72 GHz 501 pts Span 40.0 MHz</p> <p>Date: 7, JAN, 2022 12:47:32</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 300 kHz Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>IPk Max</p> <p>M1[1] -10.46 dBm 1.7100000 GHz Occ Bw 18.043912176 MHz -0.77 dB 19.7600 MHz</p> <p>D1 7.850 dBm D2 -18.150 dBm</p> <p>CF 1.72 GHz 501 pts Span 40.0 MHz</p> <p>Date: 7, JAN, 2022 12:48:03</p> |
| Middle | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 300 kHz Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>IPk Max</p> <p>M1[1] -13.85 dBm 1.7354000 GHz Occ Bw 17.964071856 MHz -0.44 dB 19.5200 MHz</p> <p>D1 12.900 dBm D2 -13.100 dBm</p> <p>CF 1.745 GHz 501 pts Span 40.0 MHz</p> <p>Date: 7, JAN, 2022 12:48:31</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 300 kHz Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>IPk Max</p> <p>M1[1] -14.34 dBm 1.7352400 GHz Occ Bw 17.964071856 MHz -0.38 dB 19.6800 MHz</p> <p>D1 11.550 dBm D2 -14.450 dBm</p> <p>CF 1.745 GHz 501 pts Span 40.0 MHz</p> <p>Date: 7, JAN, 2022 12:48:59</p> |
| Highest | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 300 kHz Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>IPk Max</p> <p>M1[1] -14.87 dBm 1.7600800 GHz Occ Bw 18.043912176 MHz -0.93 dB 19.7600 MHz</p> <p>D1 10.340 dBm D2 -15.460 dBm</p> <p>CF 1.77 GHz 501 pts Span 40.0 MHz</p> <p>Date: 7, JAN, 2022 12:49:30</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 300 kHz Att 30 dB SWT 1 ms VBW 1 MHz Mode Sweep</p> <p>IPk Max</p> <p>M1[1] -14.45 dBm 1.7601600 GHz Occ Bw 18.043912176 MHz -1.38 dB 19.6800 MHz</p> <p>D1 10.720 dBm D2 -15.280 dBm</p> <p>CF 1.77 GHz 501 pts Span 40.0 MHz</p> <p>Date: 7, JAN, 2022 12:49:55</p> |

Spurious Emissions at Antenna Terminal

Channel

1.4MHz Bandwidth QPSK

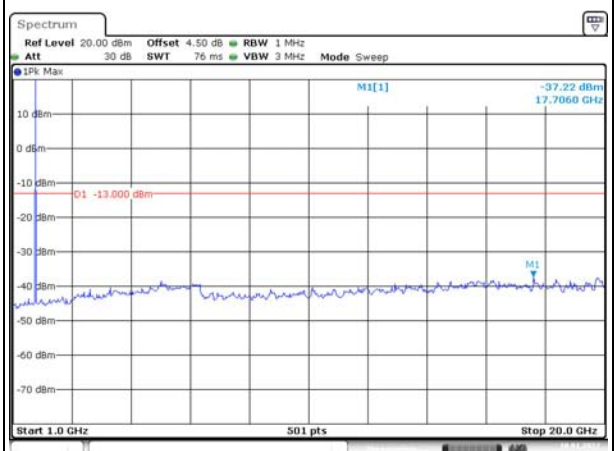
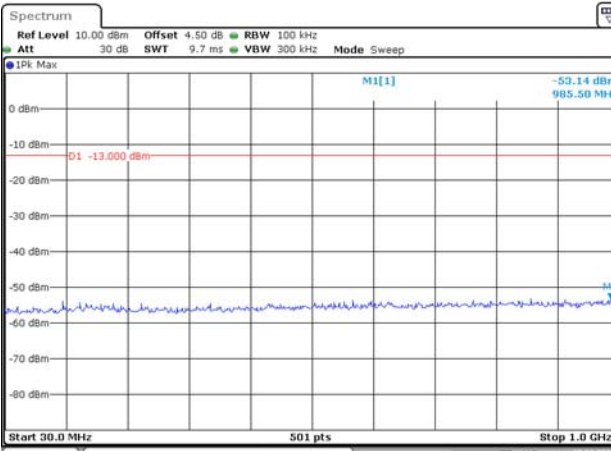
Lowest



Date: 10, JAN, 2022 14:39:18

Date: 10, JAN, 2022 14:39:37

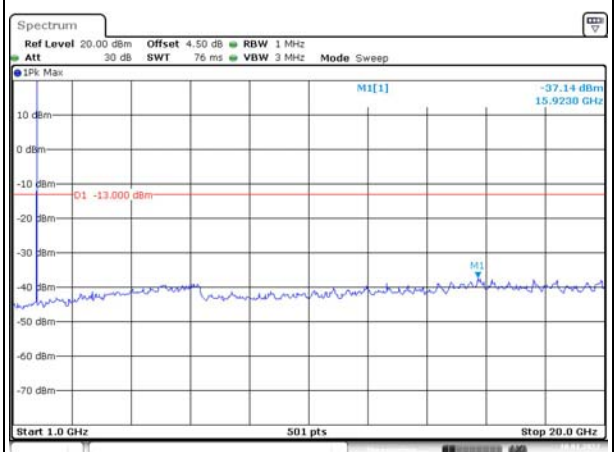
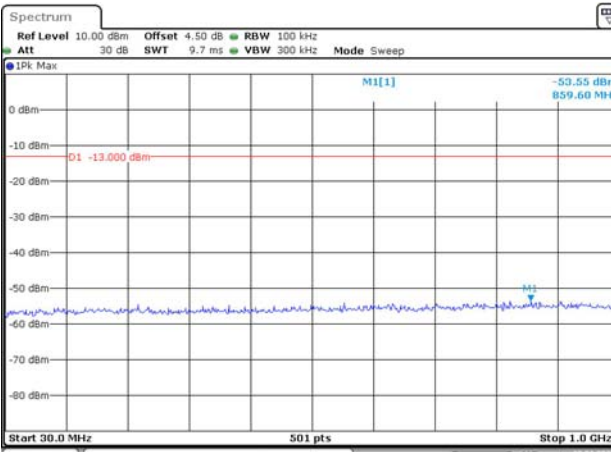
Middle



Date: 10, JAN, 2022 14:40:16

Date: 10, JAN, 2022 14:40:42

Highest



Date: 10, JAN, 2022 14:41:08

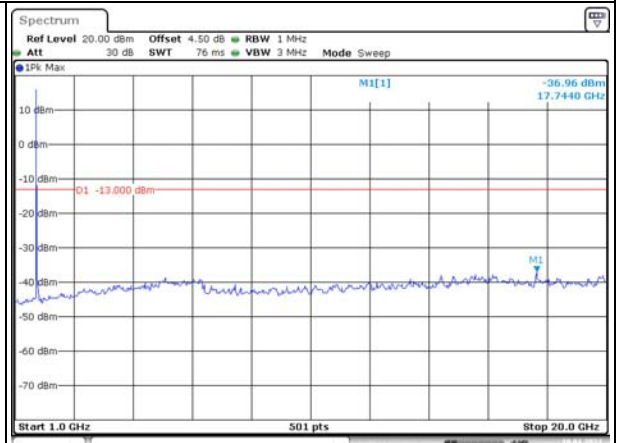
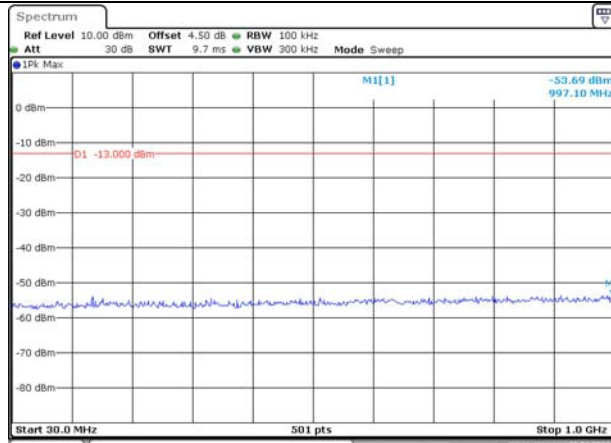
Date: 10, JAN, 2022 14:41:34

Spurious Emissions at Antenna Terminal

Channel

3MHz Bandwidth QPSK

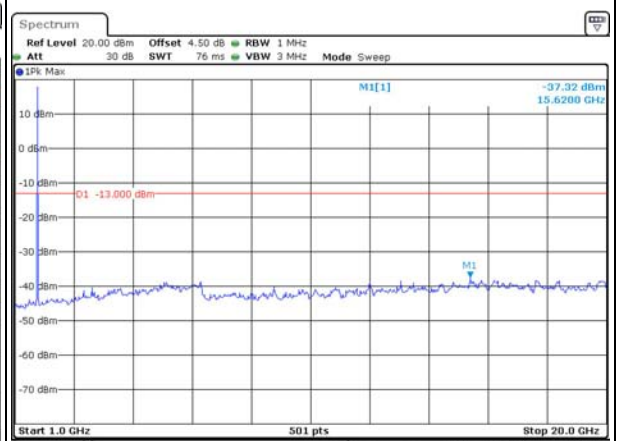
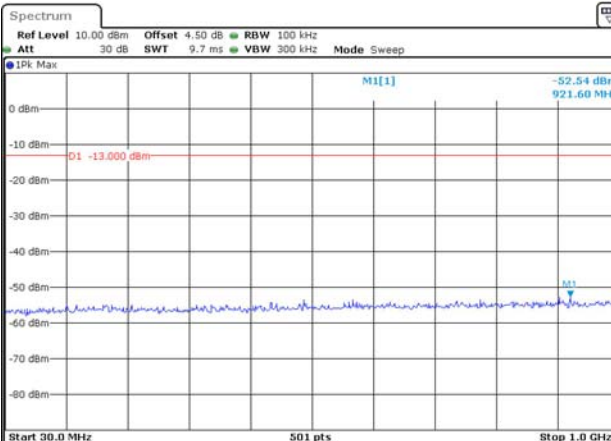
Lowest



Date: 10, JAN, 2022 14:42:42

Date: 10, JAN, 2022 14:43:10

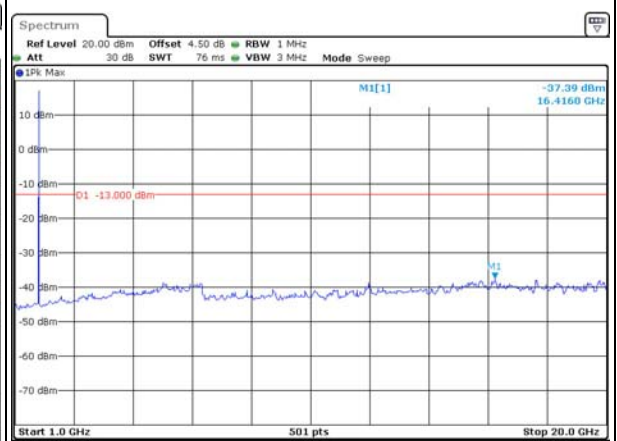
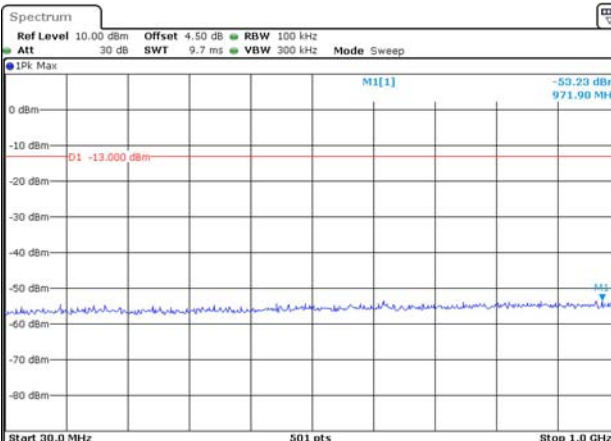
Middle



Date: 10, JAN, 2022 14:43:43

Date: 10, JAN, 2022 14:44:06

Highest



Date: 10, JAN, 2022 14:44:35

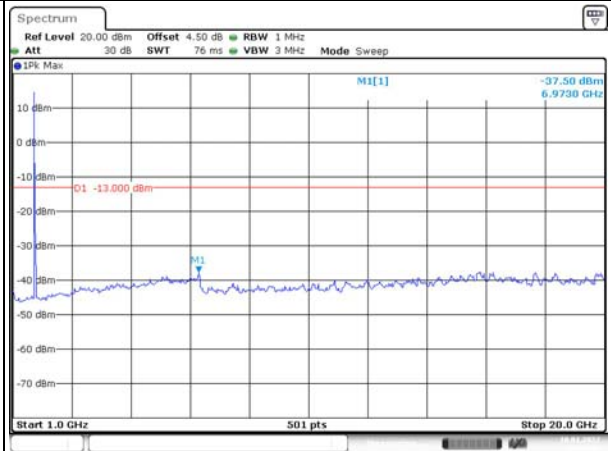
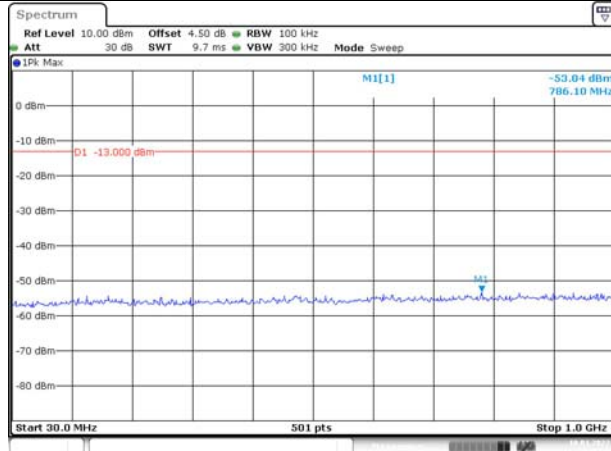
Date: 10, JAN, 2022 14:45:01

Spurious Emissions at Antenna Terminal

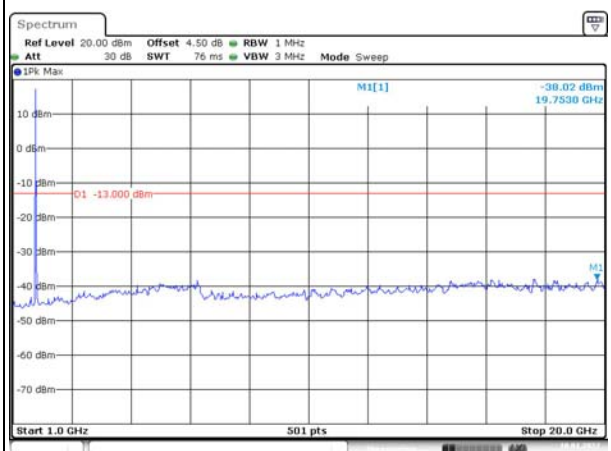
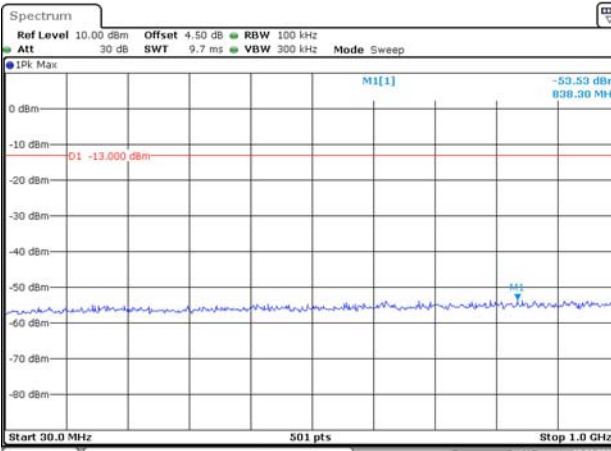
Channel

5MHz Bandwidth QPSK

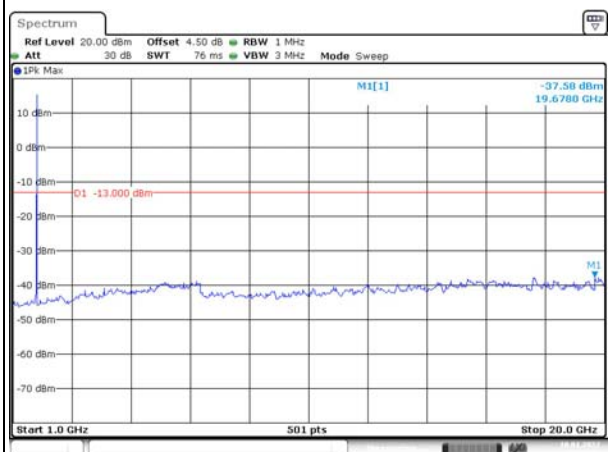
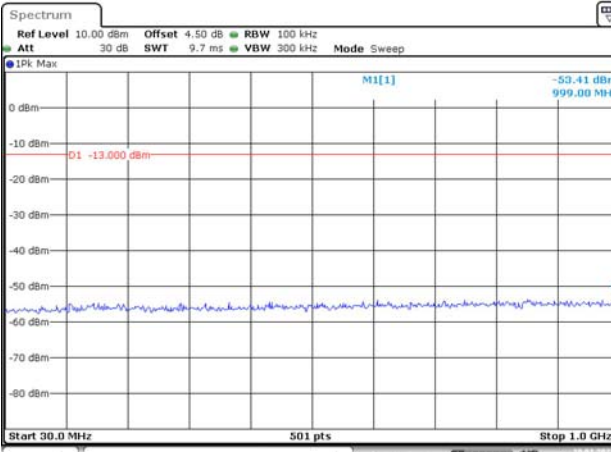
Lowest



Middle



Highest

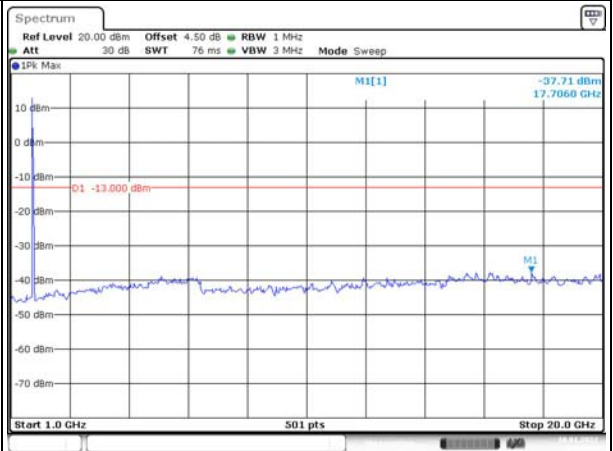
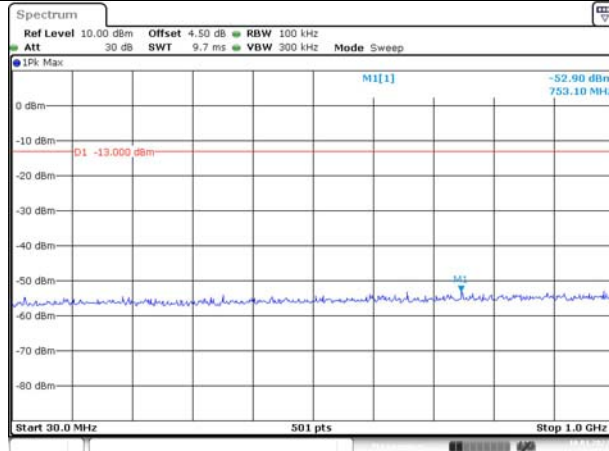


Spurious Emissions at Antenna Terminal

Channel

10MHz Bandwidth QPSK

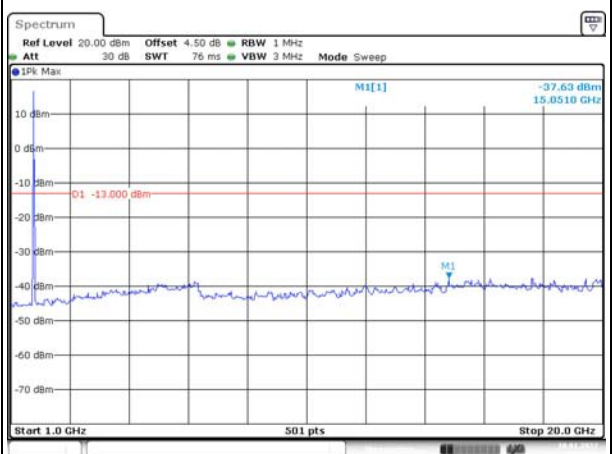
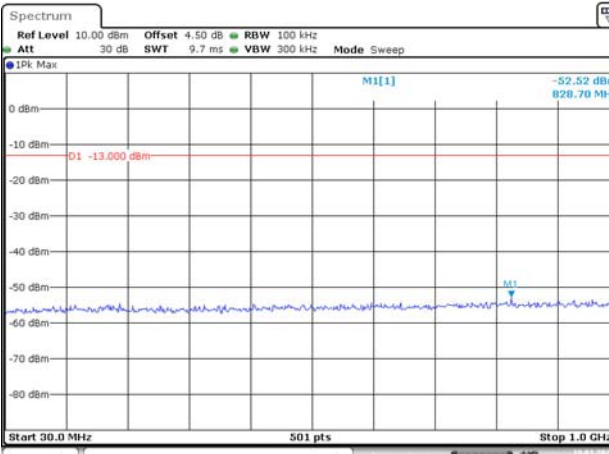
Lowest



Date: 10, JAN, 2022 14:48:28

Date: 10, JAN, 2022 14:48:54

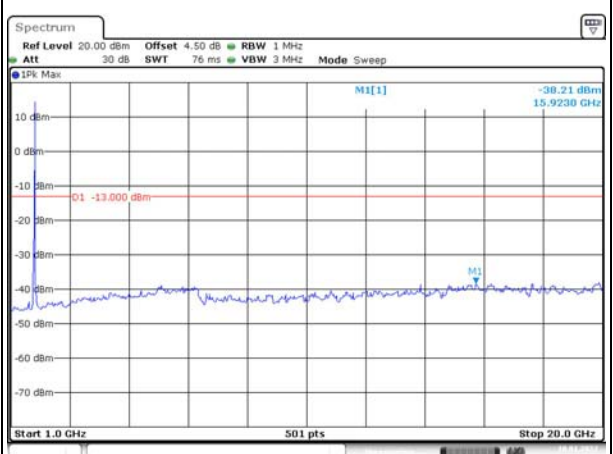
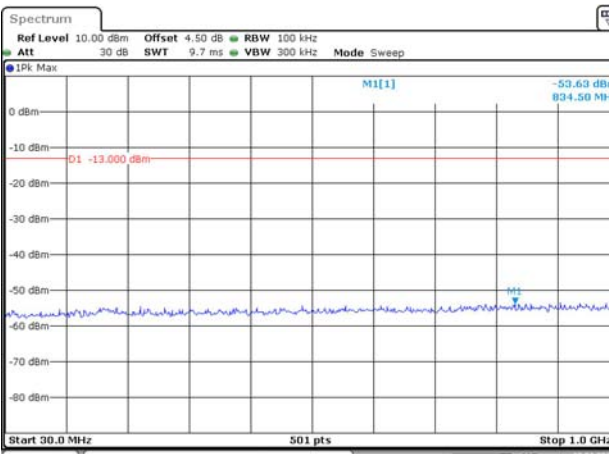
Middle



Date: 10, JAN, 2022 14:49:25

Date: 10, JAN, 2022 14:49:48

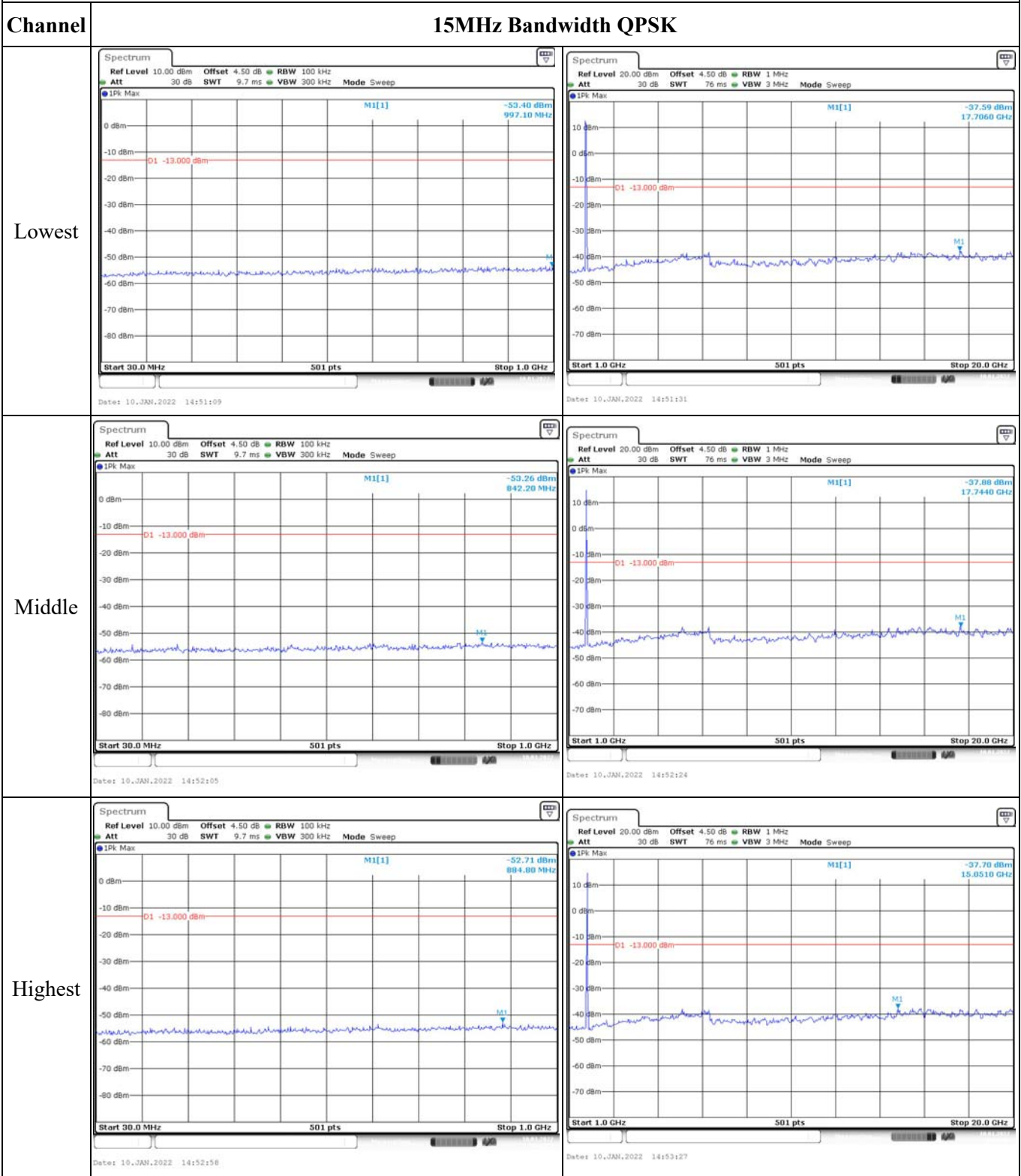
Highest



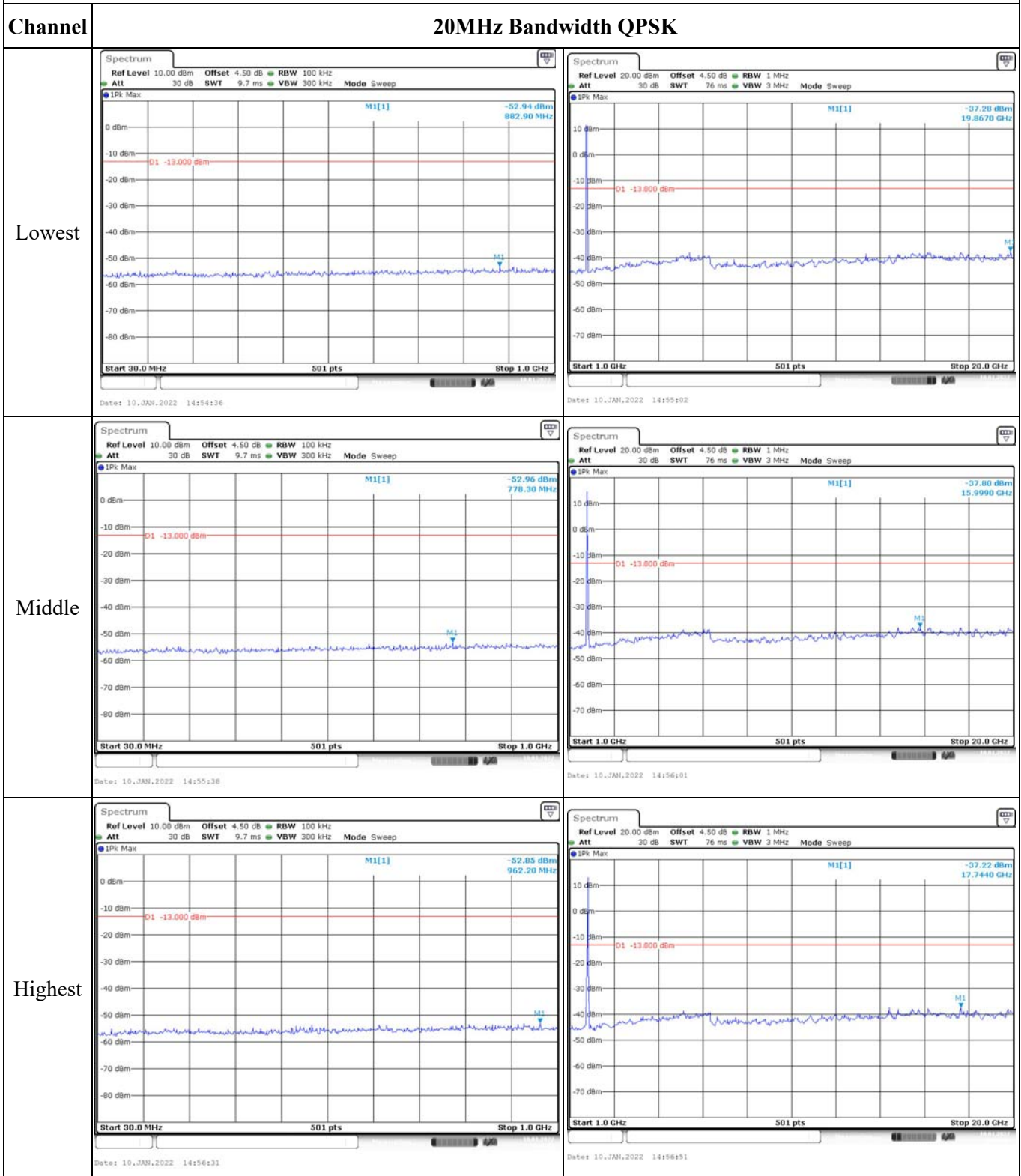
Date: 10, JAN, 2022 14:50:16

Date: 10, JAN, 2022 14:50:35

Spurious Emissions at Antenna Terminal



Spurious Emissions at Antenna Terminal



Out of band emission, Band Edge

| Mode | Lowest | Highest |
|----------------|--|--|
| QPSK 1.4MHz | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 30 kHz Att 30 dB SWT 1.1 ms VBW 100 kHz Mode Sweep</p> <p>1Rm Max M1[1] -25.46 dBm 1.70997010 GHz</p> <p>D1 -13.000 dBm</p> <p>CF 1.71 GHz 501 pts Span 3.0 MHz</p> <p>Date: 7, JAN, 2022 10:13:14</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 30 kHz Att 30 dB SWT 1.1 ms VBW 100 kHz Mode Sweep</p> <p>1Rm Max M1[1] -24.24 dBm 1.78012570 GHz</p> <p>D1 -13.000 dBm</p> <p>CF 1.78 GHz 501 pts Span 3.0 MHz</p> <p>Date: 7, JAN, 2022 10:40:58</p> |
| QPSK 3MHz | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 30 kHz Att 30 dB SWT 1.1 ms VBW 100 kHz Mode Sweep</p> <p>1Rm Max M1[1] -16.48 dBm 1.7100000 GHz</p> <p>D1 -13.000 dBm</p> <p>CF 1.71 GHz 501 pts Span 6.0 MHz</p> <p>Date: 7, JAN, 2022 10:41:43</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 30 kHz Att 30 dB SWT 1.1 ms VBW 100 kHz Mode Sweep</p> <p>1Rm Max M1[1] -20.35 dBm 1.7800000 GHz</p> <p>D1 -13.000 dBm</p> <p>CF 1.78 GHz 501 pts Span 6.0 MHz</p> <p>Date: 7, JAN, 2022 10:42:34</p> |
| QPSK 5MHz | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 100 kHz Att 30 dB SWT 1 ms VBW 300 kHz Mode Sweep</p> <p>1Rm Max M1[1] -17.88 dBm 1.7100000 GHz</p> <p>D1 -13.000 dBm</p> <p>CF 1.71 GHz 501 pts Span 10.0 MHz</p> <p>Date: 7, JAN, 2022 10:43:25</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 100 kHz Att 30 dB SWT 1 ms VBW 300 kHz Mode Sweep</p> <p>1Rm Max M1[1] -20.97 dBm 1.7800000 GHz</p> <p>D1 -13.000 dBm</p> <p>CF 1.78 GHz 501 pts Span 10.0 MHz</p> <p>Date: 7, JAN, 2022 10:44:26</p> |

Out of band emission, Band Edge

| Mode | Lowest | Highest |
|---------------|--------|---------|
| QPSK 10MHz | | |
| QPSK 15MHz | | |
| QPSK 20MHz | | |

Out of band emission, Band Edge

| Mode | Lowest | Highest |
|-----------------|--|--|
| 16QAM 1.4MHz | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 30 kHz Att 30 dB SWT 1.1 ms VBW 100 kHz Mode Sweep MI[1] -25.99 dBm 1.70974250 GHz D1 -13.000 dBm CF 1.71 GHz 501 pts Span 3.0 MHz Date: 7, JAN, 2022 10:37:35</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 30 kHz Att 30 dB SWT 1.1 ms VBW 100 kHz Mode Sweep MI[1] -21.94 dBm 1.78000000 GHz D1 -13.000 dBm CF 1.78 GHz 501 pts Span 3.0 MHz Date: 7, JAN, 2022 10:41:15</p> |
| 16QAM 3MHz | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 30 kHz Att 30 dB SWT 1.1 ms VBW 100 kHz Mode Sweep MI[1] -18.16 dBm 1.71000000 GHz D1 -13.000 dBm CF 1.71 GHz 501 pts Span 6.0 MHz Date: 7, JAN, 2022 10:42:13</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 30 kHz Att 30 dB SWT 1.1 ms VBW 100 kHz Mode Sweep MI[1] -20.10 dBm 1.78000000 GHz D1 -13.000 dBm CF 1.78 GHz 501 pts Span 6.0 MHz Date: 7, JAN, 2022 10:42:14</p> |
| 16QAM 5MHz | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 100 kHz Att 30 dB SWT 1 ms VBW 300 kHz Mode Sweep MI[1] -19.48 dBm 1.71000000 GHz D1 -13.000 dBm CF 1.71 GHz 501 pts Span 10.0 MHz Date: 7, JAN, 2022 10:43:48</p> | <p>Ref Level 20.00 dBm Offset 4.50 dB RBW 100 kHz Att 30 dB SWT 1 ms VBW 300 kHz Mode Sweep MI[1] -20.82 dBm 1.78000000 GHz D1 -13.000 dBm CF 1.78 GHz 501 pts Span 10.0 MHz Date: 7, JAN, 2022 10:44:50</p> |

Out of band emission, Band Edge

| Mode | Lowest | Highest |
|----------------|--------|---------|
| 16QAM 10MHz | | |
| 16QAM 15MHz | | |
| 16QAM 20MHz | | |

4.13 Spurious Emissions

| | | | |
|----------------|-----------------------|--------------|-----------------------|
| Serial Number: | CR21120041-RF | Test Date: | 2021-12-27~2021-12-28 |
| Test Site: | 966-2, 966-1 | Test Mode: | Transmitting |
| Tester: | Carl Liang, Tommy Luo | Test Result: | Pass |

Environmental Conditions:

| | | | | | |
|----------------------|-----------|---------------------------|-------|------------------------|-------------|
| Temperature: (°C) | 16.2~18.9 | Relative Humidity: (%) | 57~64 | ATM Pressure: (kPa) | 102.1~102.3 |
|----------------------|-----------|---------------------------|-------|------------------------|-------------|

Test Equipment List and Details:

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|---------------------------------|-----------------------|---------------|------------------|----------------------|
| Sunol Sciences | Antenna | JB6 | A082520-5 | 2020-10-19 | 2023-10-18 |
| R&S | EMI Test Receiver | ESR3 | 102724 | 2021-07-22 | 2022-07-21 |
| TIMES MICROWAVE | Coaxial Cable | LMR-600-UltraFlex | C-0470-02 | 2021-07-18 | 2022-07-17 |
| TIMES MICROWAVE | Coaxial Cable | LMR-600-UltraFlex | C-0780-01 | 2021-07-18 | 2022-07-17 |
| Sonoma | Amplifier | 310N | 186165 | 2021-07-18 | 2022-07-17 |
| EMCO | Adjustable Dipole Antenna | 3121C | 9109-756 | N/A | N/A |
| MICRO-COAX | Coaxial Cable | UFA210B-0-0720-300300 | 99G1448 | 2021-07-25 | 2022-07-24 |
| ETS-Lindgren | Horn Antenna | 3115 | 9912-5985 | 2020-10-13 | 2023-10-12 |
| R&S | Spectrum Analyzer | FSV40 | 101591 | 2021-07-22 | 2022-07-21 |
| MICRO-COAX | Coaxial Cable | UFA210A-1-1200-70U300 | 217423-008 | 2021-08-08 | 2022-08-07 |
| MICRO-COAX | Coaxial Cable | UFA210A-1-2362-300300 | 235780-001 | 2021-08-08 | 2022-08-07 |
| Mini | Pre-amplifier | ZVA-183-S+ | 5969001149 | 2021-11-10 | 2022-11-09 |
| AH | Double Ridge Guide Horn Antenna | SAS-571 | 1396 | 2021-10-18 | 2024-10-17 |
| MICRO-COAX | Coaxial Cable | UFA210B-0-0720-300300 | 99G1448 | 2021-07-25 | 2022-07-24 |
| Agilent | Signal Generator | E8247C | MY43321352 | 2021-04-25 | 2022-04-24 |
| PASTERNAK | Horn Antenna | PE9852/2F-20 | 112002 | 2021-02-05 | 2024-02-04 |
| PASTERNAK | Horn Antenna | PE9852/2F-20 | 112001 | 2021-02-05 | 2024-02-04 |
| AH | Preamplifier | PAM-1840VH | 190 | 2021-11-19 | 2022-11-18 |
| PASTERNAK | Horn Antenna | PE9850/2F-20 | 072001 | 2021-02-05 | 2024-02-04 |
| PASTERNAK | Horn Antenna | PE9850/2F-20 | 072002 | 2021-02-05 | 2024-02-04 |
| MICRO-COAX | Coaxial Cable | UFB142A-1-2362-200200 | 235772-001 | 2021-08-08 | 2022-08-07 |

* 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 Data:**Cellular Band (PART 22H)****30 MHz-10 GHz:**

| Frequency (MHz) | Polar (H/V) | Receiver Reading (dBμV) | Substituted Method | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|----------------------------|-------------|-------------------------|-------------------------|------------------------|-----------------|----------------------|-------------|-------------|
| | | | Substituted Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | | | |
| GSM 850 Frequency:824.2MHz | | | | | | | | |
| 771.00 | H | 21.82 | -50.07 | 0.00 | 0.55 | -50.62 | -13.00 | 37.62 |
| 725.00 | V | 21.74 | -47.64 | 0.00 | 0.51 | -48.15 | -13.00 | 35.15 |
| 1648.40 | H | 54.47 | -49.86 | 8.68 | 0.80 | -41.98 | -13.00 | 28.98 |
| 1648.40 | V | 63.20 | -41.21 | 8.68 | 0.80 | -33.33 | -13.00 | 20.33 |
| 2472.60 | H | 53.76 | -47.02 | 9.38 | 1.00 | -38.64 | -13.00 | 25.64 |
| 2472.60 | V | 54.40 | -46.33 | 9.38 | 1.00 | -37.95 | -13.00 | 24.95 |
| 3296.80 | H | 40.26 | -56.42 | 10.32 | 1.15 | -47.25 | -13.00 | 34.25 |
| 3296.80 | V | 39.98 | -56.46 | 10.32 | 1.15 | -47.29 | -13.00 | 34.29 |
| 4945.20 | H | 40.23 | -52.64 | 11.13 | 1.50 | -43.01 | -13.00 | 30.01 |
| 4945.20 | V | 40.17 | -52.71 | 11.13 | 1.50 | -43.08 | -13.00 | 30.08 |
| GSM 850 Frequency:836.6MHz | | | | | | | | |
| 784.00 | H | 22.93 | -48.69 | 0.00 | 0.56 | -49.25 | -13.00 | 36.25 |
| 800.00 | V | 21.45 | -46.29 | 0.00 | 0.58 | -46.87 | -13.00 | 33.87 |
| 1673.20 | H | 49.42 | -54.89 | 8.71 | 0.85 | -47.03 | -13.00 | 34.03 |
| 1673.20 | V | 48.48 | -55.93 | 8.71 | 0.85 | -48.07 | -13.00 | 35.07 |
| 2509.80 | H | 51.35 | -49.26 | 9.42 | 1.01 | -40.85 | -13.00 | 27.85 |
| 2509.80 | V | 49.53 | -51.09 | 9.42 | 1.01 | -42.68 | -13.00 | 29.68 |
| 3346.40 | H | 38.86 | -58.31 | 10.34 | 1.16 | -49.13 | -13.00 | 36.13 |
| 3346.40 | V | 39.32 | -57.71 | 10.34 | 1.16 | -48.53 | -13.00 | 35.53 |
| 5019.60 | H | 39.10 | -53.91 | 11.21 | 1.45 | -44.15 | -13.00 | 31.15 |
| 5019.60 | V | 40.83 | -52.05 | 11.21 | 1.45 | -42.29 | -13.00 | 29.29 |
| GSM 850 Frequency:848.8MHz | | | | | | | | |
| 624.00 | H | 20.85 | -52.88 | 0.00 | 0.48 | -53.36 | -13.00 | 40.36 |
| 796.00 | V | 22.35 | -45.48 | 0.00 | 0.60 | -46.08 | -13.00 | 33.08 |
| 1697.60 | H | 49.48 | -54.81 | 8.74 | 0.90 | -46.97 | -13.00 | 33.97 |
| 1697.60 | V | 52.12 | -52.30 | 8.74 | 0.90 | -44.46 | -13.00 | 31.46 |
| 2546.40 | H | 52.99 | -47.34 | 9.47 | 1.01 | -38.88 | -13.00 | 25.88 |
| 2546.40 | V | 53.19 | -47.09 | 9.47 | 1.01 | -38.63 | -13.00 | 25.63 |
| 3395.20 | H | 38.64 | -59.05 | 10.36 | 1.19 | -49.88 | -13.00 | 36.88 |
| 3395.20 | V | 38.33 | -59.33 | 10.36 | 1.19 | -50.16 | -13.00 | 37.16 |

| Frequency (MHz) | Polar (H/V) | Receiver Reading (dBμV) | Substituted Method | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|----------------------------------|-------------|-------------------------|-------------------------|------------------------|-----------------|----------------------|-------------|-------------|
| | | | Substituted Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | | | |
| WCDMA Band 5 Frequency:826.4 MHz | | | | | | | | |
| 729.00 | H | 21.54 | -51.19 | 0.00 | 0.53 | -51.72 | -13.00 | 38.72 |
| 729.00 | V | 20.45 | -48.84 | 0.00 | 0.53 | -49.37 | -13.00 | 36.37 |
| 1652.80 | H | 37.50 | -66.83 | 8.68 | 0.81 | -58.96 | -13.00 | 45.96 |
| 1652.80 | V | 36.76 | -67.65 | 8.68 | 0.81 | -59.78 | -13.00 | 46.78 |
| 2479.20 | H | 35.54 | -65.22 | 9.39 | 1.01 | -56.84 | -13.00 | 43.84 |
| 2479.20 | V | 35.88 | -64.85 | 9.39 | 1.01 | -56.47 | -13.00 | 43.47 |
| 3305.60 | H | 35.93 | -60.80 | 10.32 | 1.15 | -51.63 | -13.00 | 38.63 |
| 3305.60 | V | 35.75 | -60.75 | 10.32 | 1.15 | -51.58 | -13.00 | 38.58 |
| WCDMA Band 5 Frequency:836.6MHz | | | | | | | | |
| 711.00 | H | 22.31 | -50.79 | 0.00 | 0.52 | -51.31 | -13.00 | 38.31 |
| 709.00 | V | 20.17 | -49.55 | 0.00 | 0.53 | -50.08 | -13.00 | 37.08 |
| 1673.20 | H | 36.58 | -67.73 | 8.71 | 0.85 | -59.87 | -13.00 | 46.87 |
| 1673.20 | V | 37.51 | -66.90 | 8.71 | 0.85 | -59.04 | -13.00 | 46.04 |
| 2509.80 | H | 36.09 | -64.52 | 9.42 | 1.01 | -56.11 | -13.00 | 43.11 |
| 2509.80 | V | 35.89 | -64.73 | 9.42 | 1.01 | -56.32 | -13.00 | 43.32 |
| 3346.40 | H | 35.74 | -61.43 | 10.34 | 1.16 | -52.25 | -13.00 | 39.25 |
| 3346.40 | V | 34.58 | -62.45 | 10.34 | 1.16 | -53.27 | -13.00 | 40.27 |
| WCDMA Band 5 Frequency:846.6MHz | | | | | | | | |
| 782.00 | H | 21.35 | -50.31 | 0.00 | 0.55 | -50.86 | -13.00 | 37.86 |
| 706.00 | V | 20.34 | -49.45 | 0.00 | 0.54 | -49.99 | -13.00 | 36.99 |
| 1693.20 | H | 37.28 | -67.02 | 8.73 | 0.89 | -59.18 | -13.00 | 46.18 |
| 1693.20 | V | 36.37 | -68.05 | 8.73 | 0.89 | -60.21 | -13.00 | 47.21 |
| 2539.80 | H | 36.27 | -64.11 | 9.46 | 1.01 | -55.66 | -13.00 | 42.66 |
| 2539.80 | V | 35.84 | -64.50 | 9.46 | 1.01 | -56.05 | -13.00 | 43.05 |
| 3386.40 | H | 35.78 | -61.81 | 10.35 | 1.18 | -52.64 | -13.00 | 39.64 |
| 3386.40 | V | 35.15 | -62.39 | 10.35 | 1.18 | -53.22 | -13.00 | 40.22 |

PCS Band (PART 24E)

30 MHz-20 GHz:

| Frequency (MHz) | Polar (H/V) | Receiver Reading (dB μ V) | Substituted Method | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|------------------------------|-------------|-------------------------------|-------------------------|------------------------|-----------------|----------------------|-------------|-------------|
| | | | Substituted Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | | | |
| GSM 1900 Frequency:1850.2MHz | | | | | | | | |
| 723.00 | H | 22.82 | -50.04 | 0.00 | 0.50 | -50.54 | -13.00 | 37.54 |
| 942.00 | V | 21.42 | -43.89 | 0.00 | 0.62 | -44.51 | -13.00 | 31.51 |
| 3700.40 | H | 40.86 | -56.46 | 10.60 | 1.25 | -47.11 | -13.00 | 34.11 |
| 3700.40 | V | 40.82 | -56.48 | 10.60 | 1.25 | -47.13 | -13.00 | 34.13 |
| 5550.60 | H | 35.36 | -57.90 | 11.44 | 1.49 | -47.95 | -13.00 | 34.95 |
| 5550.60 | V | 34.86 | -58.24 | 11.44 | 1.49 | -48.29 | -13.00 | 35.29 |
| GSM 1900 Frequency:1880MHz | | | | | | | | |
| 870.00 | H | 21.32 | -48.21 | 0.00 | 0.58 | -48.79 | -13.00 | 35.79 |
| 715.00 | V | 22.62 | -46.97 | 0.00 | 0.50 | -47.47 | -13.00 | 34.47 |
| 3760.00 | H | 40.46 | -55.95 | 10.66 | 1.24 | -46.53 | -13.00 | 33.53 |
| 3760.00 | V | 40.35 | -55.94 | 10.66 | 1.24 | -46.52 | -13.00 | 33.52 |
| 5640.00 | H | 36.94 | -56.51 | 11.33 | 1.54 | -46.72 | -13.00 | 33.72 |
| 5640.00 | V | 36.17 | -57.16 | 11.33 | 1.54 | -47.37 | -13.00 | 34.37 |
| GSM 1900 Frequency:1909.8MHz | | | | | | | | |
| 713.00 | H | 21.56 | -51.50 | 0.00 | 0.51 | -52.01 | -13.00 | 39.01 |
| 727.00 | V | 21.77 | -47.56 | 0.00 | 0.52 | -48.08 | -13.00 | 35.08 |
| 3819.60 | H | 39.84 | -56.02 | 10.72 | 1.29 | -46.59 | -13.00 | 33.59 |
| 3819.60 | V | 39.70 | -56.02 | 10.72 | 1.29 | -46.59 | -13.00 | 33.59 |
| 5729.40 | H | 36.36 | -57.12 | 11.22 | 1.59 | -47.49 | -13.00 | 34.49 |
| 5729.40 | V | 35.97 | -57.39 | 11.22 | 1.59 | -47.76 | -13.00 | 34.76 |

| Frequency (MHz) | Polar (H/V) | Receiver Reading (dB μ V) | Substituted Method | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|-------------------------------------|-------------|-------------------------------|-------------------------|------------------------|-----------------|----------------------|-------------|-------------|
| | | | Substituted Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | | | |
| WCDMA Band II, Frequency:1852.4 MHz | | | | | | | | |
| 218.00 | H | 21.33 | -59.82 | 0.00 | 0.27 | -60.09 | -13.00 | 47.09 |
| 903.10 | V | 21.35 | -44.72 | 0.00 | 0.58 | -45.30 | -13.00 | 32.30 |
| 3704.80 | H | 35.20 | -62.06 | 10.60 | 1.25 | -52.71 | -13.00 | 39.71 |
| 3704.80 | V | 36.39 | -60.84 | 10.60 | 1.25 | -51.49 | -13.00 | 38.49 |
| 5557.20 | H | 34.83 | -58.45 | 11.43 | 1.49 | -48.51 | -13.00 | 35.51 |
| 5557.20 | V | 34.70 | -58.43 | 11.43 | 1.49 | -48.49 | -13.00 | 35.49 |
| WCDMA Band II, Frequency:1880 MHz | | | | | | | | |
| 958.00 | H | 21.69 | -45.66 | 0.00 | 0.61 | -46.27 | -13.00 | 33.27 |
| 938.00 | V | 20.14 | -45.25 | 0.00 | 0.65 | -45.90 | -13.00 | 32.90 |
| 3760.00 | H | 36.46 | -59.95 | 10.66 | 1.24 | -50.53 | -13.00 | 37.53 |
| 3760.00 | V | 36.22 | -60.07 | 10.66 | 1.24 | -50.65 | -13.00 | 37.65 |
| 5640.00 | H | 34.54 | -58.91 | 11.33 | 1.54 | -49.12 | -13.00 | 36.12 |
| 5640.00 | V | 35.31 | -58.02 | 11.33 | 1.54 | -48.23 | -13.00 | 35.23 |
| WCDMA Band II, Frequency:1907.6MHz | | | | | | | | |
| 709.00 | H | 21.54 | -51.60 | 0.00 | 0.53 | -52.13 | -13.00 | 39.13 |
| 1000.00 | V | 20.76 | -43.41 | 0.00 | 0.64 | -44.05 | -13.00 | 31.05 |
| 3815.20 | H | 36.22 | -59.63 | 10.72 | 1.29 | -50.20 | -13.00 | 37.20 |
| 3815.20 | V | 35.43 | -60.26 | 10.72 | 1.29 | -50.83 | -13.00 | 37.83 |
| 5722.80 | H | 35.58 | -57.91 | 11.23 | 1.58 | -48.26 | -13.00 | 35.26 |
| 5722.80 | V | 35.99 | -57.36 | 11.23 | 1.58 | -47.71 | -13.00 | 34.71 |

LTE Bands(Worst bandwidth and modulation):**LTE Band 2 (30MHz-20GHz):**

| Frequency (MHz) | Polar (H/V) | Receiver Reading (dBμV) | Substituted Method | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|-----------------------------|-------------|-------------------------|-------------------------|------------------------|-----------------|----------------------|-------------|-------------|
| | | | Substituted Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | | | |
| QPSK, Frequency: 1850.7 MHz | | | | | | | | |
| 716.00 | H | 21.68 | -51.32 | 0.00 | 0.50 | -51.82 | -13.00 | 38.82 |
| 851.00 | V | 20.37 | -46.55 | 0.00 | 0.57 | -47.12 | -13.00 | 34.12 |
| 3701.40 | H | 37.66 | -59.65 | 10.60 | 1.25 | -50.30 | -13.00 | 37.30 |
| 3701.40 | V | 39.75 | -57.54 | 10.60 | 1.25 | -48.19 | -13.00 | 35.19 |
| 5552.10 | H | 35.61 | -57.66 | 11.44 | 1.49 | -47.71 | -13.00 | 34.71 |
| 5552.10 | V | 35.25 | -57.85 | 11.44 | 1.49 | -47.90 | -13.00 | 34.90 |
| QPSK, Frequency: 1880 MHz | | | | | | | | |
| 684.00 | H | 20.94 | -52.47 | 0.00 | 0.53 | -53.00 | -13.00 | 40.00 |
| 906.00 | V | 20.42 | -45.59 | 0.00 | 0.55 | -46.14 | -13.00 | 33.14 |
| 3760.00 | H | 35.81 | -60.60 | 10.66 | 1.24 | -51.18 | -13.00 | 38.18 |
| 3760.00 | V | 36.58 | -59.71 | 10.66 | 1.24 | -50.29 | -13.00 | 37.29 |
| 5640.00 | H | 35.40 | -58.05 | 11.33 | 1.54 | -48.26 | -13.00 | 35.26 |
| 5640.00 | V | 35.03 | -58.30 | 11.33 | 1.54 | -48.51 | -13.00 | 35.51 |
| QPSK, Frequency: 1909.3 MHz | | | | | | | | |
| 744.00 | H | 20.19 | -52.24 | 0.00 | 0.55 | -52.79 | -13.00 | 39.79 |
| 716.00 | V | 20.95 | -48.62 | 0.00 | 0.50 | -49.12 | -13.00 | 36.12 |
| 3818.60 | H | 39.11 | -56.75 | 10.72 | 1.29 | -47.32 | -13.00 | 34.32 |
| 3818.60 | V | 39.60 | -56.11 | 10.72 | 1.29 | -46.68 | -13.00 | 33.68 |
| 5727.90 | H | 36.98 | -56.50 | 11.23 | 1.59 | -46.86 | -13.00 | 33.86 |
| 5727.90 | V | 35.83 | -57.53 | 11.23 | 1.59 | -47.89 | -13.00 | 34.89 |

LTE Band 4 (30MHz-20GHz):

| Frequency (MHz) | Polar (H/V) | Receiver Reading (dB μ V) | Substituted Method | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|-----------------------------|-------------|-------------------------------|-------------------------|------------------------|-----------------|----------------------|-------------|-------------|
| | | | Substituted Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | | | |
| QPSK, Frequency: 1710.7 MHz | | | | | | | | |
| 566.00 | H | 20.17 | -54.36 | 0.00 | 0.46 | -54.82 | -13.00 | 41.82 |
| 711.00 | V | 20.64 | -49.04 | 0.00 | 0.52 | -49.56 | -13.00 | 36.56 |
| 3421.40 | H | 42.06 | -55.70 | 10.37 | 1.17 | -46.50 | -13.00 | 33.50 |
| 3421.40 | V | 40.23 | -57.50 | 10.37 | 1.17 | -48.30 | -13.00 | 35.30 |
| 5132.10 | H | 35.00 | -58.57 | 11.28 | 1.47 | -48.76 | -13.00 | 35.76 |
| 5132.10 | V | 35.14 | -58.32 | 11.28 | 1.47 | -48.51 | -13.00 | 35.51 |
| QPSK, Frequency: 1732.5 MHz | | | | | | | | |
| 679.00 | H | 20.51 | -52.92 | 0.00 | 0.52 | -53.44 | -13.00 | 40.44 |
| 631.00 | V | 21.58 | -49.59 | 0.00 | 0.49 | -50.08 | -13.00 | 37.08 |
| 3465.00 | H | 42.74 | -55.07 | 10.39 | 1.15 | -45.83 | -13.00 | 32.83 |
| 3465.00 | V | 41.41 | -56.36 | 10.39 | 1.15 | -47.12 | -13.00 | 34.12 |
| 5197.50 | H | 34.58 | -59.55 | 11.32 | 1.44 | -49.67 | -13.00 | 36.67 |
| 5197.50 | V | 34.56 | -59.42 | 11.32 | 1.44 | -49.54 | -13.00 | 36.54 |
| QPSK, Frequency: 1754.3 MHz | | | | | | | | |
| 182.00 | H | 20.74 | -60.36 | 0.00 | 0.25 | -60.61 | -13.00 | 47.61 |
| 804.00 | V | 20.34 | -47.34 | 0.00 | 0.56 | -47.90 | -13.00 | 34.90 |
| 3505.20 | H | 43.87 | -53.96 | 10.41 | 1.18 | -44.73 | -13.00 | 31.73 |
| 3505.20 | V | 42.59 | -55.18 | 10.41 | 1.18 | -45.95 | -13.00 | 32.95 |
| 5257.80 | H | 34.59 | -59.14 | 11.35 | 1.47 | -49.26 | -13.00 | 36.26 |
| 5257.80 | V | 34.81 | -58.70 | 11.35 | 1.47 | -48.82 | -13.00 | 35.82 |

LTE Band 5(30MHz-10GHz):

| Frequency (MHz) | Polar (H/V) | Receiver Reading (dBμV) | Substituted Method | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|----------------------------|-------------|-------------------------|-------------------------|------------------------|-----------------|----------------------|-------------|-------------|
| | | | Substituted Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | | | |
| QPSK, Frequency: 824.7 MHz | | | | | | | | |
| 724.00 | H | 21.38 | -51.46 | 0.00 | 0.51 | -51.97 | -13.00 | 38.97 |
| 711.00 | V | 21.58 | -48.10 | 0.00 | 0.52 | -48.62 | -13.00 | 35.62 |
| 1649.40 | H | 38.37 | -65.96 | 8.68 | 0.80 | -58.08 | -13.00 | 45.08 |
| 1649.40 | V | 39.39 | -65.02 | 8.68 | 0.80 | -57.14 | -13.00 | 44.14 |
| 2474.10 | H | 37.49 | -63.29 | 9.38 | 1.00 | -54.91 | -13.00 | 41.91 |
| 2474.10 | V | 36.84 | -63.89 | 9.38 | 1.00 | -55.51 | -13.00 | 42.51 |
| 3298.80 | H | 36.73 | -59.95 | 10.32 | 1.15 | -50.78 | -13.00 | 37.78 |
| 3298.80 | V | 36.87 | -59.57 | 10.32 | 1.15 | -50.40 | -13.00 | 37.40 |
| QPSK, Frequency: 836.5 MHz | | | | | | | | |
| 729.00 | H | 21.36 | -51.37 | 0.00 | 0.53 | -51.90 | -13.00 | 38.90 |
| 729.00 | V | 20.64 | -48.65 | 0.00 | 0.53 | -49.18 | -13.00 | 36.18 |
| 1673.00 | H | 37.66 | -66.65 | 8.71 | 0.85 | -58.79 | -13.00 | 45.79 |
| 1673.00 | V | 38.85 | -65.56 | 8.71 | 0.85 | -57.70 | -13.00 | 44.70 |
| 2509.50 | H | 35.93 | -64.68 | 9.42 | 1.01 | -56.27 | -13.00 | 43.27 |
| 2509.50 | V | 37.32 | -63.30 | 9.42 | 1.01 | -54.89 | -13.00 | 41.89 |
| 3346.00 | H | 35.43 | -61.73 | 10.34 | 1.16 | -52.55 | -13.00 | 39.55 |
| 3346.00 | V | 35.51 | -61.51 | 10.34 | 1.16 | -52.33 | -13.00 | 39.33 |
| QPSK, Frequency: 848.3 MHz | | | | | | | | |
| 699.00 | H | 21.71 | -51.62 | 0.00 | 0.55 | -52.17 | -13.00 | 39.17 |
| 695.00 | V | 20.85 | -49.16 | 0.00 | 0.55 | -49.71 | -13.00 | 36.71 |
| 1696.60 | H | 37.45 | -66.84 | 8.74 | 0.89 | -58.99 | -13.00 | 45.99 |
| 1696.60 | V | 38.34 | -66.08 | 8.74 | 0.89 | -58.23 | -13.00 | 45.23 |
| 2544.90 | H | 42.75 | -57.59 | 9.47 | 1.01 | -49.13 | -13.00 | 36.13 |
| 2544.90 | V | 39.93 | -60.37 | 9.47 | 1.01 | -51.91 | -13.00 | 38.91 |
| 3393.20 | H | 36.23 | -61.44 | 10.36 | 1.19 | -52.27 | -13.00 | 39.27 |
| 3393.20 | V | 34.78 | -62.85 | 10.36 | 1.19 | -53.68 | -13.00 | 40.68 |

LTE Band 12(30MHz-10GHz):

| Frequency (MHz) | Polar (H/V) | Receiver Reading (dBμV) | Substituted Method | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|----------------------------|-------------|-------------------------|-------------------------|------------------------|-----------------|----------------------|-------------|-------------|
| | | | Substituted Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | | | |
| QPSK, Frequency: 699.7 MHz | | | | | | | | |
| 729.00 | H | 21.48 | -51.25 | 0.00 | 0.53 | -51.78 | -13.00 | 38.78 |
| 675.00 | V | 20.24 | -50.13 | 0.00 | 0.50 | -50.63 | -13.00 | 37.63 |
| 1399.40 | H | 50.58 | -53.12 | 8.22 | 0.71 | -45.61 | -13.00 | 32.61 |
| 1399.40 | V | 52.35 | -51.40 | 8.22 | 0.71 | -43.89 | -13.00 | 30.89 |
| 2099.10 | H | 54.34 | -47.54 | 9.16 | 0.91 | -39.29 | -13.00 | 26.29 |
| 2099.10 | V | 52.47 | -49.36 | 9.16 | 0.91 | -41.11 | -13.00 | 28.11 |
| 2798.80 | H | 42.34 | -57.59 | 9.88 | 1.04 | -48.75 | -13.00 | 35.75 |
| 2798.80 | V | 40.19 | -59.61 | 9.88 | 1.04 | -50.77 | -13.00 | 37.77 |
| QPSK, Frequency:707.5 MHz | | | | | | | | |
| 654.00 | H | 19.38 | -54.19 | 0.00 | 0.52 | -54.71 | -13.00 | 41.71 |
| 754.00 | V | 20.59 | -48.15 | 0.00 | 0.52 | -48.67 | -13.00 | 35.67 |
| 1415.00 | H | 46.20 | -57.47 | 8.26 | 0.72 | -49.93 | -13.00 | 36.93 |
| 1415.00 | V | 49.06 | -54.66 | 8.26 | 0.72 | -47.12 | -13.00 | 34.12 |
| 2122.50 | H | 49.79 | -52.20 | 9.17 | 0.92 | -43.95 | -13.00 | 30.95 |
| 2122.50 | V | 54.06 | -47.91 | 9.17 | 0.92 | -39.66 | -13.00 | 26.66 |
| 2830.00 | H | 37.82 | -61.98 | 9.93 | 1.06 | -53.11 | -13.00 | 40.11 |
| 2830.00 | V | 37.69 | -62.04 | 9.93 | 1.06 | -53.17 | -13.00 | 40.17 |
| QPSK, Frequency: 715.3 MHz | | | | | | | | |
| 530.00 | H | 30.69 | -44.55 | 0.00 | 0.45 | -45.00 | -13.00 | 32.00 |
| 528.00 | V | 21.35 | -50.27 | 0.00 | 0.44 | -50.71 | -13.00 | 37.71 |
| 1430.60 | H | 45.30 | -58.33 | 8.31 | 0.73 | -50.75 | -13.00 | 37.75 |
| 1430.60 | V | 45.65 | -58.04 | 8.31 | 0.73 | -50.46 | -13.00 | 37.46 |
| 2145.90 | H | 51.18 | -50.92 | 9.19 | 0.93 | -42.66 | -13.00 | 29.66 |
| 2145.90 | V | 50.53 | -51.58 | 9.19 | 0.93 | -43.32 | -13.00 | 30.32 |
| 2861.20 | H | 39.46 | -60.19 | 9.98 | 1.07 | -51.28 | -13.00 | 38.28 |
| 2861.20 | V | 39.37 | -60.30 | 9.98 | 1.07 | -51.39 | -13.00 | 38.39 |

LTE Band 17(30MHz-10GHz):

| Frequency (MHz) | Polar (H/V) | Receiver Reading (dBμV) | Substituted Method | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|----------------------------|-------------|-------------------------|-------------------------|------------------------|-----------------|----------------------|-------------|-------------|
| | | | Substituted Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | | | |
| QPSK, Frequency: 706.5 MHz | | | | | | | | |
| 625.00 | H | 21.53 | -52.20 | 0.00 | 0.48 | -52.68 | -13.00 | 39.68 |
| 651.00 | V | 20.84 | -49.97 | 0.00 | 0.52 | -50.49 | -13.00 | 37.49 |
| 1413.00 | H | 44.39 | -59.28 | 8.26 | 0.72 | -51.74 | -13.00 | 38.74 |
| 1413.00 | V | 47.38 | -56.34 | 8.26 | 0.72 | -48.80 | -13.00 | 35.80 |
| 2119.50 | H | 48.65 | -53.32 | 9.17 | 0.92 | -45.07 | -13.00 | 32.07 |
| 2119.50 | V | 50.08 | -51.87 | 9.17 | 0.92 | -43.62 | -13.00 | 30.62 |
| 2826.00 | H | 38.07 | -61.74 | 9.92 | 1.06 | -52.88 | -13.00 | 39.88 |
| 2826.00 | V | 37.77 | -61.97 | 9.92 | 1.06 | -53.11 | -13.00 | 40.11 |
| QPSK, Frequency: 710 MHz | | | | | | | | |
| 584.00 | H | 20.22 | -53.96 | 0.00 | 0.46 | -54.42 | -13.00 | 41.42 |
| 741.00 | V | 20.48 | -48.55 | 0.00 | 0.55 | -49.10 | -13.00 | 36.10 |
| 1420.00 | H | 45.37 | -58.29 | 8.28 | 0.73 | -50.74 | -13.00 | 37.74 |
| 1420.00 | V | 50.09 | -53.62 | 8.28 | 0.73 | -46.07 | -13.00 | 33.07 |
| 2130.00 | H | 49.61 | -52.41 | 9.18 | 0.92 | -44.15 | -13.00 | 31.15 |
| 2130.00 | V | 52.11 | -49.90 | 9.18 | 0.92 | -41.64 | -13.00 | 28.64 |
| 2840.00 | H | 41.59 | -58.16 | 9.94 | 1.06 | -49.28 | -13.00 | 36.28 |
| 2840.00 | V | 40.99 | -58.72 | 9.94 | 1.06 | -49.84 | -13.00 | 36.84 |
| QPSK, Frequency: 713.5 MHz | | | | | | | | |
| 938.00 | H | 21.58 | -46.26 | 0.00 | 0.65 | -46.91 | -13.00 | 33.91 |
| 593.00 | V | 20.48 | -51.24 | 0.00 | 0.50 | -51.74 | -13.00 | 38.74 |
| 1427.00 | H | 47.27 | -56.37 | 8.30 | 0.73 | -48.80 | -13.00 | 35.80 |
| 1427.00 | V | 49.55 | -54.14 | 8.30 | 0.73 | -46.57 | -13.00 | 33.57 |
| 2140.50 | H | 50.69 | -51.38 | 9.18 | 0.93 | -43.13 | -13.00 | 30.13 |
| 2140.50 | V | 51.58 | -50.50 | 9.18 | 0.93 | -42.25 | -13.00 | 29.25 |
| 2854.00 | H | 42.55 | -57.14 | 9.97 | 1.07 | -48.24 | -13.00 | 35.24 |
| 2854.00 | V | 42.90 | -56.78 | 9.97 | 1.07 | -47.88 | -13.00 | 34.88 |

LTE Band 26(30MHz-10GHz):

| Frequency (MHz) | Polar (H/V) | Receiver Reading (dBμV) | Substituted Method | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|----------------------------|-------------|-------------------------|-------------------------|------------------------|-----------------|----------------------|-------------|-------------|
| | | | Substituted Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | | | |
| QPSK, Frequency: 814.7 MHz | | | | | | | | |
| 654.00 | H | 21.33 | -52.24 | 0.00 | 0.52 | -52.76 | -13.00 | 39.76 |
| 719.00 | V | 21.52 | -47.99 | 0.00 | 0.49 | -48.48 | -13.00 | 35.48 |
| 1629.40 | H | 39.97 | -64.38 | 8.66 | 0.81 | -56.53 | -13.00 | 43.53 |
| 1629.40 | V | 46.05 | -58.36 | 8.66 | 0.81 | -50.51 | -13.00 | 37.51 |
| 2444.10 | H | 44.13 | -56.76 | 9.37 | 1.00 | -48.39 | -13.00 | 35.39 |
| 2444.10 | V | 45.17 | -55.58 | 9.37 | 1.00 | -47.21 | -13.00 | 34.21 |
| 3258.80 | H | 38.31 | -58.55 | 10.30 | 1.17 | -49.42 | -13.00 | 36.42 |
| 3258.80 | V | 37.51 | -59.10 | 10.30 | 1.17 | -49.97 | -13.00 | 36.97 |
| QPSK, Frequency:531.5 MHz | | | | | | | | |
| 487.00 | H | 21.53 | -54.57 | 0.00 | 0.43 | -55.00 | -13.00 | 42.00 |
| 487.00 | H | 21.53 | -54.57 | 0.00 | 0.43 | -55.00 | -13.00 | 42.00 |
| 1663.00 | H | 38.57 | -65.75 | 8.70 | 0.83 | -57.88 | -13.00 | 44.88 |
| 1663.00 | V | 37.87 | -66.54 | 8.70 | 0.83 | -58.67 | -13.00 | 45.67 |
| 2494.50 | H | 39.49 | -61.21 | 9.40 | 1.01 | -52.82 | -13.00 | 39.82 |
| 2494.50 | V | 38.41 | -62.30 | 9.40 | 1.01 | -53.91 | -13.00 | 40.91 |
| 3326.00 | H | 36.01 | -60.94 | 10.33 | 1.16 | -51.77 | -13.00 | 38.77 |
| 3326.00 | V | 35.78 | -60.99 | 10.33 | 1.16 | -51.82 | -13.00 | 38.82 |
| QPSK, Frequency: 848.3 MHz | | | | | | | | |
| 726.00 | H | 20.91 | -51.88 | 0.00 | 0.51 | -52.39 | -13.00 | 39.39 |
| 893.00 | V | 21.88 | -44.36 | 0.00 | 0.65 | -45.01 | -13.00 | 32.01 |
| 1696.60 | H | 37.18 | -67.11 | 8.74 | 0.89 | -59.26 | -13.00 | 46.26 |
| 1696.60 | V | 37.09 | -67.33 | 8.74 | 0.89 | -59.48 | -13.00 | 46.48 |
| 2544.90 | H | 43.15 | -57.19 | 9.47 | 1.01 | -48.73 | -13.00 | 35.73 |
| 2544.90 | V | 40.69 | -59.61 | 9.47 | 1.01 | -51.15 | -13.00 | 38.15 |
| 3393.20 | H | 35.10 | -62.57 | 10.36 | 1.19 | -53.40 | -13.00 | 40.40 |
| 3393.20 | V | 36.03 | -61.60 | 10.36 | 1.19 | -52.43 | -13.00 | 39.43 |

LTE Band 41(30MHz-26.5GHz):

| Frequency (MHz) | Polar (H/V) | Receiver Reading (dB μ V) | Substituted Method | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|-----------------------------|-------------|-------------------------------|-------------------------|------------------------|-----------------|----------------------|-------------|-------------|
| | | | Substituted Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | | | |
| QPSK, Frequency: 2537.5 MHz | | | | | | | | |
| 547.00 | H | 20.49 | -54.41 | 0.00 | 0.47 | -54.88 | -25.00 | 29.88 |
| 958.00 | V | 20.67 | -44.32 | 0.00 | 0.61 | -44.93 | -25.00 | 19.93 |
| 5075.00 | H | 35.41 | -57.80 | 11.25 | 1.48 | -48.03 | -25.00 | 23.03 |
| 5075.00 | V | 35.91 | -57.20 | 11.25 | 1.48 | -47.43 | -25.00 | 22.43 |
| 7612.50 | H | 34.55 | -54.93 | 10.88 | 2.02 | -46.07 | -25.00 | 21.07 |
| 7612.50 | V | 34.40 | -55.79 | 10.88 | 2.02 | -46.93 | -25.00 | 21.93 |
| QPSK, Frequency:2595 MHz | | | | | | | | |
| 881.00 | H | 20.88 | -48.37 | 0.00 | 0.59 | -48.96 | -25.00 | 23.96 |
| 957.00 | V | 22.45 | -42.56 | 0.00 | 0.61 | -43.17 | -25.00 | 18.17 |
| 5190.00 | H | 37.09 | -56.98 | 11.31 | 1.44 | -47.11 | -25.00 | 22.11 |
| 5190.00 | V | 35.44 | -58.48 | 11.31 | 1.44 | -48.61 | -25.00 | 23.61 |
| 7785.00 | H | 34.33 | -55.16 | 10.84 | 1.99 | -46.31 | -25.00 | 21.31 |
| 7785.00 | V | 35.14 | -54.78 | 10.84 | 1.99 | -45.93 | -25.00 | 20.93 |
| QPSK, Frequency: 2652.5 MHz | | | | | | | | |
| 467.00 | H | 20.43 | -56.07 | 0.00 | 0.42 | -56.49 | -25.00 | 31.49 |
| 512.00 | V | 19.81 | -51.79 | 0.00 | 0.45 | -52.24 | -25.00 | 27.24 |
| 5375.00 | H | 36.85 | -56.66 | 11.43 | 1.49 | -46.72 | -25.00 | 21.72 |
| 5375.00 | V | 36.51 | -56.99 | 11.43 | 1.49 | -47.05 | -25.00 | 22.05 |
| 8062.50 | H | 38.42 | -49.80 | 10.81 | 2.12 | -41.11 | -25.00 | 16.11 |
| 8062.50 | V | 38.15 | -50.57 | 10.81 | 2.12 | -41.88 | -25.00 | 16.88 |

LTE Band 66(30MHz-20GHz):

| Frequency (MHz) | Polar (H/V) | Receiver Reading (dB μ V) | Substituted Method | | | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
|-----------------------------|-------------|-------------------------------|-------------------------|------------------------|-----------------|----------------------|-------------|-------------|
| | | | Substituted Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | | | |
| QPSK, Frequency: 1710.7 MHz | | | | | | | | |
| 629.00 | H | 22.13 | -51.57 | 0.00 | 0.48 | -52.05 | -13.00 | 39.05 |
| 763.00 | V | 21.44 | -47.11 | 0.00 | 0.53 | -47.64 | -13.00 | 34.64 |
| 3421.40 | H | 42.02 | -55.74 | 10.37 | 1.17 | -46.54 | -13.00 | 33.54 |
| 3421.40 | V | 40.65 | -57.08 | 10.37 | 1.17 | -47.88 | -13.00 | 34.88 |
| 5132.10 | H | 34.52 | -59.05 | 11.28 | 1.47 | -49.24 | -13.00 | 36.24 |
| 5132.10 | V | 34.41 | -59.05 | 11.28 | 1.47 | -49.24 | -13.00 | 36.24 |
| QPSK, Frequency: 1745 MHz | | | | | | | | |
| 661.00 | H | 21.52 | -52.01 | 0.00 | 0.51 | -52.52 | -13.00 | 39.52 |
| 609.00 | V | 19.48 | -52.09 | 0.00 | 0.48 | -52.57 | -13.00 | 39.57 |
| 3490.00 | H | 44.95 | -52.89 | 10.40 | 1.17 | -43.66 | -13.00 | 30.66 |
| 3490.00 | V | 43.68 | -54.10 | 10.40 | 1.17 | -44.87 | -13.00 | 31.87 |
| 5235.00 | H | 34.72 | -59.18 | 11.34 | 1.46 | -49.30 | -13.00 | 36.30 |
| 5235.00 | V | 35.55 | -58.16 | 11.34 | 1.46 | -48.28 | -13.00 | 35.28 |
| QPSK, Frequency: 1779.3 MHz | | | | | | | | |
| 986.00 | H | 21.63 | -45.03 | 0.00 | 0.64 | -45.67 | -13.00 | 32.67 |
| 729.00 | V | 21.59 | -47.70 | 0.00 | 0.53 | -48.23 | -13.00 | 35.23 |
| 3558.60 | H | 40.87 | -56.80 | 10.46 | 1.22 | -47.56 | -13.00 | 34.56 |
| 3558.60 | V | 43.45 | -54.12 | 10.46 | 1.22 | -44.88 | -13.00 | 31.88 |
| 5337.90 | H | 35.61 | -57.86 | 11.40 | 1.47 | -47.93 | -13.00 | 34.93 |
| 5337.90 | V | 34.70 | -58.63 | 11.40 | 1.47 | -48.70 | -13.00 | 35.70 |

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = Substituted Level - Cable loss + Antenna Gain
- 3) Margin = Limit-Absolute Level

******* END OF REPORT *******