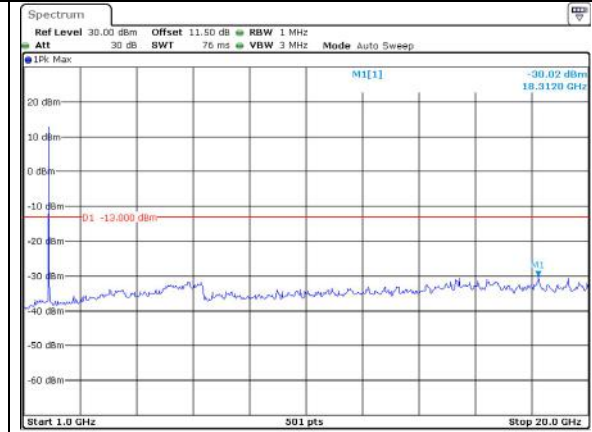
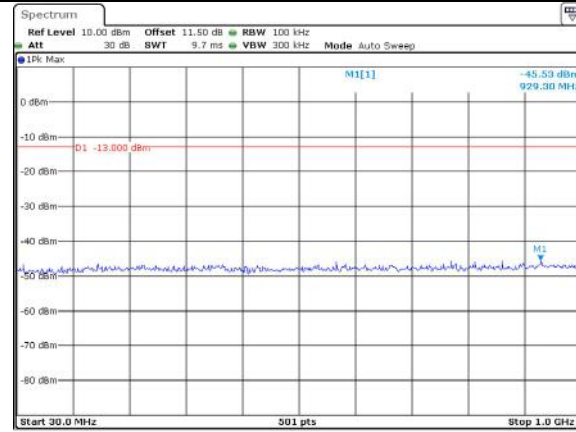


Spurious Emissions at Antenna Terminal

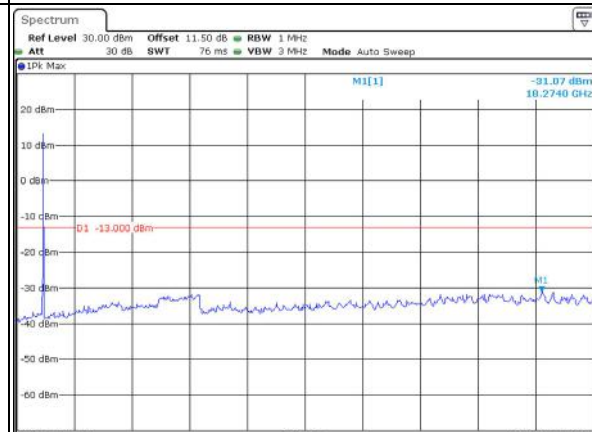
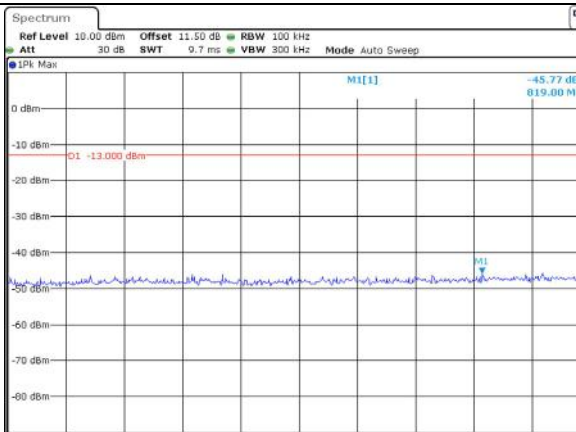
Channel

15MHz Bandwidth QPSK

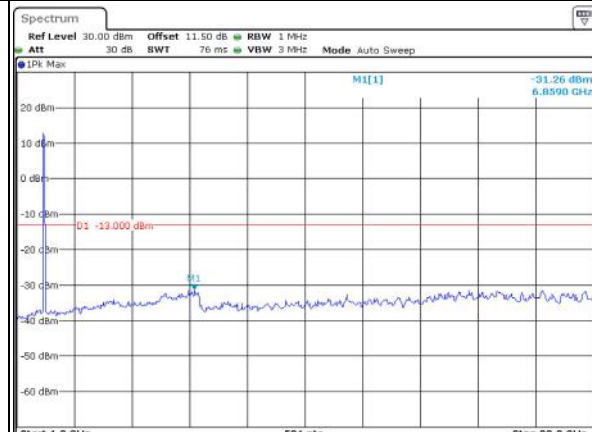
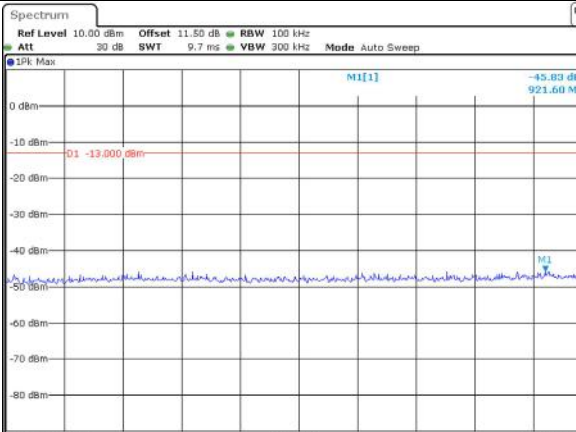
Lowest



Middle



Highest

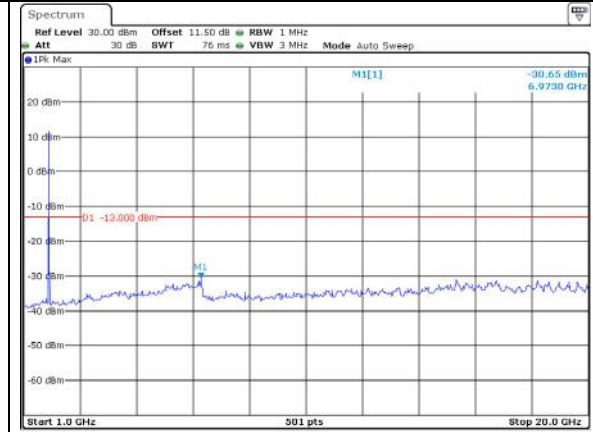
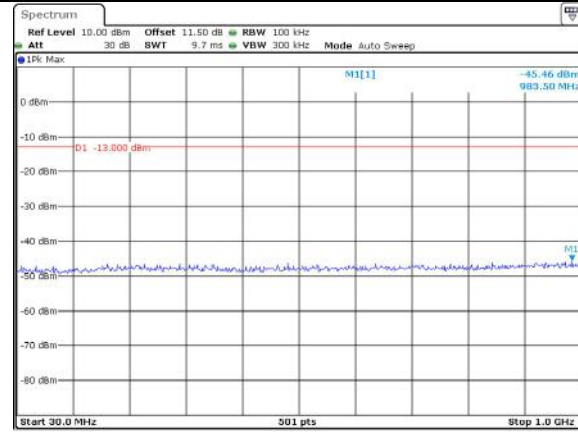


Spurious Emissions at Antenna Terminal

Channel

20MHz Bandwidth QPSK

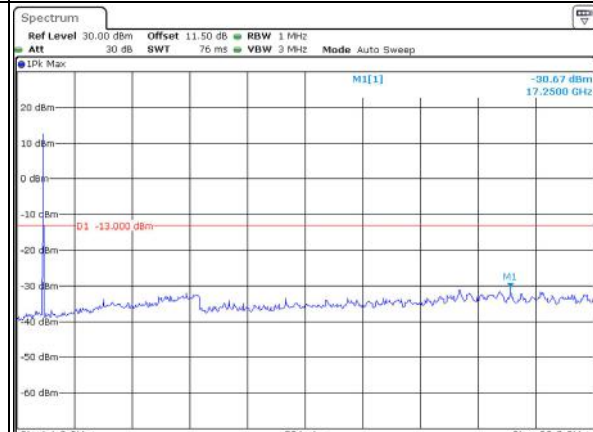
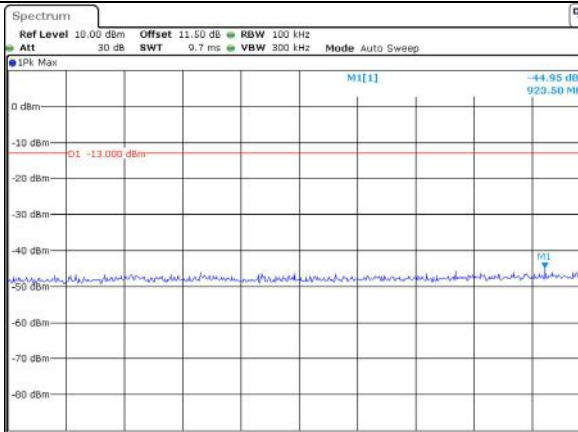
Lowest



ProjectNo.:CR230957288 Tester:Ken Tang
Date: 17.OCT.2023 23:27:03

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 17.OCT.2023 23:27:26

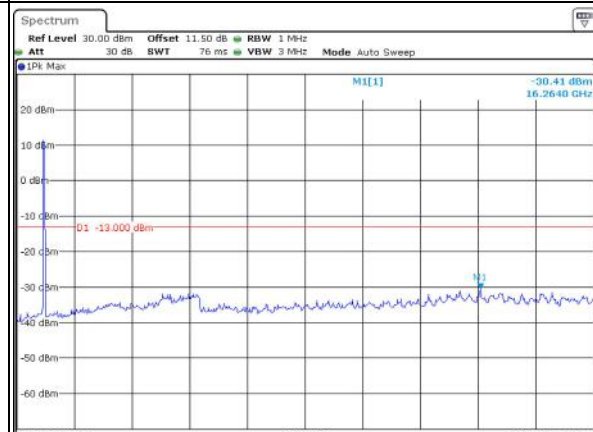
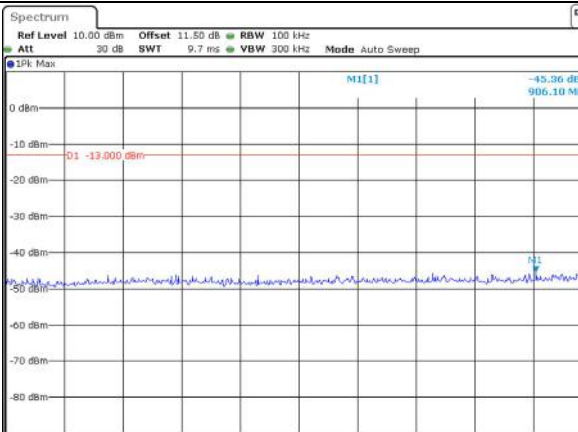
Middle



ProjectNo.:CR230957288 Tester:Ken Tang
Date: 17.OCT.2023 23:27:55

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 17.OCT.2023 23:28:11

Highest



ProjectNo.:CR230957288 Tester:Ken Tang
Date: 17.OCT.2023 23:28:37

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 17.OCT.2023 23:28:56

Out of band emission, Band Edge

| Mode | Lowest | Highest |
|------------------------|--------|---------|
| <p>QPSK 1.4MHz</p> | | |
| <p>QPSK 3MHz</p> | | |

Out of band emission, Band Edge

| Mode | Lowest | Highest |
|---------------|---|---|
| QPSK 5MHz | <p>ProjectNo.:CR230957288 Testers:Ken Tang Date: 17.OCT.2023 22:16:29</p> | <p>ProjectNo.:CR230957288 Testers:Ken Tang Date: 17.OCT.2023 22:16:43</p> |
| QPSK 10MHz | <p>ProjectNo.:CR230957288 Testers:Ken Tang Date: 17.OCT.2023 22:17:32</p> | <p>ProjectNo.:CR230957288 Testers:Ken Tang Date: 17.OCT.2023 22:17:47</p> |

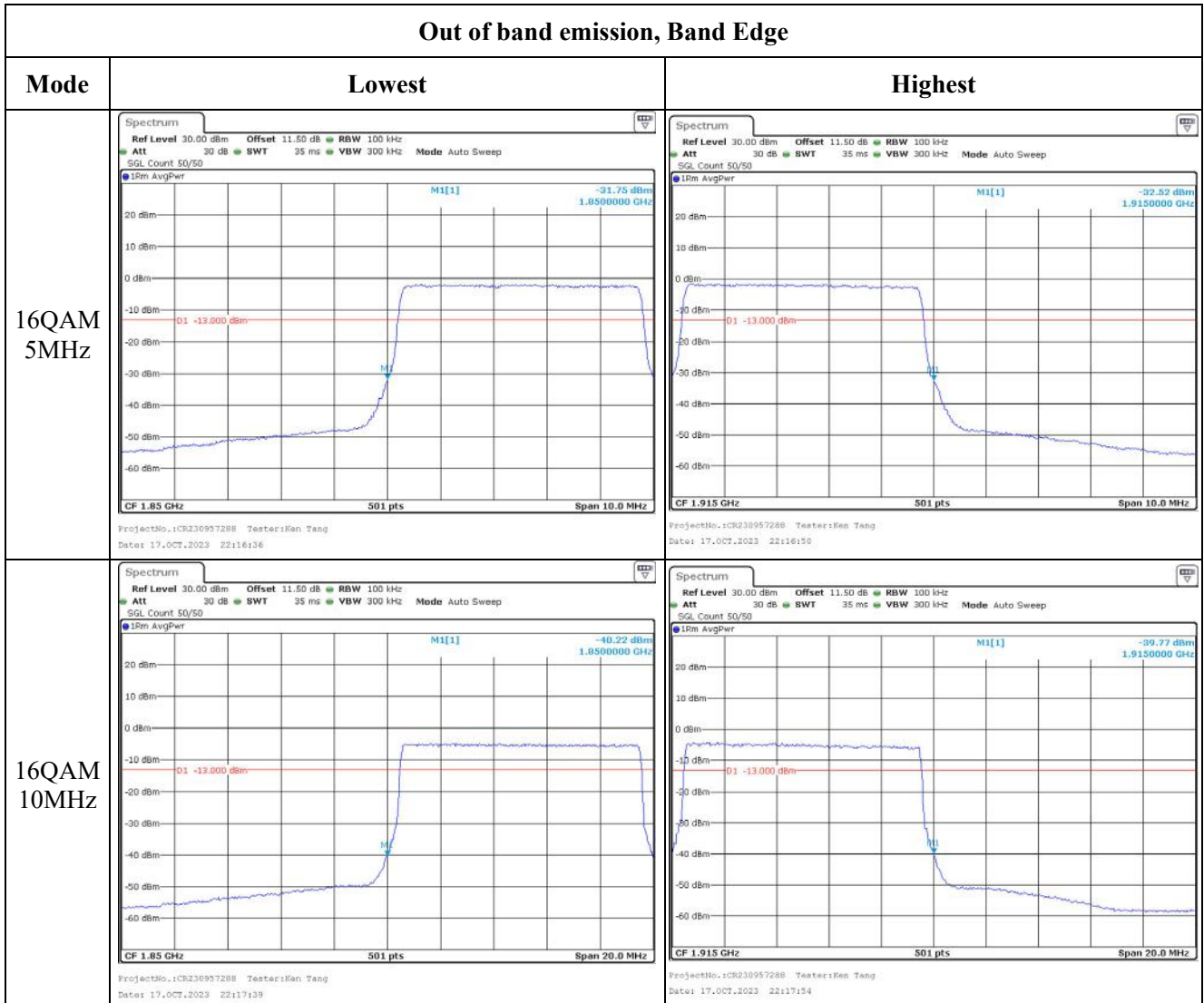
Out of band emission, Band Edge

| Mode | Lowest | Highest |
|---------------|--|--|
| QPSK 15MHz | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 17.OCT.2023 22:18:34</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 17.OCT.2023 22:18:48</p> |
| QPSK 20MHz | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 17.OCT.2023 22:19:36</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 17.OCT.2023 22:19:50</p> |

Out of band emission, Band Edge

| Mode | Lowest | Highest |
|-----------------|--|--|
| 16QAM 1.4MHz | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 17.OCT.2023 22:14:32</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 17.OCT.2023 22:14:46</p> |
| 16QAM 3MHz | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 17.OCT.2023 22:15:33</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 17.OCT.2023 22:15:48</p> |

Out of band emission, Band Edge



Out of band emission, Band Edge

| Mode | Lowest | Highest |
|----------------|--|--|
| 16QAM 15MHz | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 17.OCT.2023 22:18:41</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 17.OCT.2023 22:18:55</p> |
| 16QAM 20MHz | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 17.OCT.2023 22:19:42</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 17.OCT.2023 22:19:56</p> |

4.14 Antenna Port Test Data and Results for LTE Band 26

| | | | |
|----------------|----------|--------------|----------------------|
| Serial Number: | 2BUF-5 | Test Date: | 2023/10/15~2023/11/7 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | Ken Tang | Test Result: | Pass |

Environmental Conditions:

| | | | | | |
|----------------------|---------|---------------------------|----|------------------------|-------------|
| Temperature: (°C) | 25.6-26 | Relative Humidity: (%) | 49 | ATM Pressure: (kPa) | 101.3-101.5 |
|----------------------|---------|---------------------------|----|------------------------|-------------|

Test Equipment List and Details:

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---------------|-------------------------------------|--------------|-----------------|------------------|----------------------|
| R&S | Spectrum Analyzer | FSV40-N | 102259 | 2023/4/18 | 2024/4/17 |
| zhuoxiang | Coaxial Cable | SMA-178 | 211002 | Each time | N/A |
| Minl-Circuits | Power Splitter | ZFRSC-183-S+ | S F448201619 | Each time | N/A |
| R&S | Wideband Radio Communication Tester | CMW500 | 143458 | 2023/3/31 | 2024/3/30 |
| BACL | TEMP&HUMI Test Chamber | BTH-150-40 | 30174 | 2023/3/31 | 2024/3/30 |
| UNI-T | Multimeter | UT39A+ | C210582554 | 2023/9/28 | 2024/9/27 |
| 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 For 90S (MHz) | Highest Frequency For 90S (MHz) | Channel Cross 90S and 22H | Lowest Frequency For 22H (MHz) | Middle Frequency For 22H (MHz) | Highest Frequency For 22H (MHz) |
|---------------------|--------------------------------|---------------------------------|---------------------------|--------------------------------|--------------------------------|---------------------------------|
| 1.4MHz | 814.7 | 823.3 | 824 | 824.7 | 831.5 | 848.3 |
| 3MHz | 815.5 | 822.5 | 824 | 825.5 | 831.5 | 847.5 |
| 5MHz | 816.5 | 821.5 | 824 | 826.5 | 831.5 | 846.5 |
| 10MHz | 819 | / | 824 | 829 | 831.5 | 844 |
| 15MHz | 821.5 | / | 824 | 831.5 | 836.5 | 841.5 |

Note: 15MHz bandwidth 821.5MHz cross Rules 90S and 22H.

4.14.1 Test Data for Part 90S:**FCC§2.1046; § 90.635****RF Output Power:**

| Test Bandwidth & Modulation | Resource Block & RB offset | Conducted Average Output Power(dBm) | | | Maximum ERP (dBm) | ERP Limit (dBm) |
|-----------------------------|----------------------------|-------------------------------------|-------------------------|---------------|-------------------|-----------------|
| | | Lowest Channel For 90S | Highest Channel For 90S | Cross Channel | | |
| 1.4MHz QPSK | RB1#0 | 22.93 | 22.79 | 22.7 | 15.23 | 50 |
| | RB1#3 | 23.08 | 22.93 | 22.83 | | |
| | RB1#5 | 22.86 | 22.74 | 22.67 | | |
| | RB3#0 | 23.00 | 22.87 | 22.83 | | |
| | RB3#3 | 22.97 | 22.95 | 22.81 | | |
| | RB6#0 | 21.94 | 21.83 | 21.76 | | |
| 1.4MHz 16QAM | RB1#0 | 21.94 | 21.85 | 21.83 | 14.25 | 50 |
| | RB1#3 | 22.10 | 21.98 | 21.98 | | |
| | RB1#5 | 21.94 | 21.78 | 21.8 | | |
| | RB3#0 | 22.06 | 22.08 | 21.79 | | |
| | RB3#3 | 22.04 | 22.1 | 21.84 | | |
| | RB6#0 | 20.9 | 20.86 | 20.82 | | |
| 3MHz QPSK | RB1#0 | 22.89 | 22.71 | 22.64 | 15.13 | 50 |
| | RB1#8 | 22.98 | 22.87 | 22.79 | | |
| | RB1#14 | 22.8 | 22.67 | 22.61 | | |
| | RB6#0 | 21.9 | 21.84 | 21.83 | | |
| | RB6#9 | 21.97 | 21.82 | 21.74 | | |
| | RB15#0 | 21.93 | 21.84 | 21.76 | | |
| 3MHz 16QAM | RB1#0 | 22.14 | 21.82 | 21.54 | 14.41 | 50 |
| | RB1#8 | 22.26 | 21.9 | 21.68 | | |
| | RB1#14 | 22.11 | 21.78 | 21.44 | | |
| | RB6#0 | 20.9 | 20.87 | 20.87 | | |
| | RB6#9 | 20.95 | 20.89 | 20.79 | | |
| | RB15#0 | 20.92 | 20.88 | 20.86 | | |
| 5MHz QPSK | RB1#0 | 22.89 | 22.77 | 22.75 | 15.09 | 50 |
| | RB1#13 | 22.94 | 22.83 | 22.79 | | |
| | RB1#24 | 22.73 | 22.66 | 22.69 | | |
| | RB15#0 | 21.96 | 21.92 | 21.93 | | |
| | RB15#10 | 21.91 | 21.84 | 21.78 | | |
| | RB25#0 | 22 | 21.92 | 21.79 | | |
| 5MHz 16QAM | RB1#0 | 22.27 | 22.35 | 22.19 | 14.58 | 50 |
| | RB1#13 | 22.33 | 22.43 | 22.16 | | |
| | RB1#24 | 22.19 | 22.28 | 22.07 | | |
| | RB15#0 | 20.94 | 20.89 | 20.91 | | |
| | RB15#10 | 20.84 | 20.87 | 20.69 | | |
| | RB25#0 | 20.93 | 20.91 | 20.78 | | |
| 10MHz QPSK | RB1#0 | 22.98 | / | 23.05 | 15.21 | 50 |

| | | | | | | |
|----------------|---------|-------|---|-------|-------|----|
| | RB1#25 | 23.03 | / | 23.06 | | |
| | RB1#49 | 22.88 | / | 22.89 | | |
| | RB25#0 | 22.24 | / | 22.11 | | |
| | RB25#25 | 21.94 | / | 22.2 | | |
| | RB50#0 | 22.12 | / | 22.14 | | |
| 10MHz 16QAM | RB1#0 | 22.43 | / | 22.45 | 14.68 | 50 |
| | RB1#25 | 22.53 | / | 22.5 | | |
| | RB1#49 | 22.39 | / | 22.4 | | |
| | RB25#0 | 20.96 | / | 21.07 | | |
| | RB25#25 | 20.84 | / | 20.94 | | |
| | RB50#0 | 20.96 | / | 21.03 | | |
| 15MHz QPSK | RB1#0 | 22.96 | / | 23.04 | 15.19 | 50 |
| | RB1#38 | 22.98 | / | 22.97 | | |
| | RB1#74 | 22.85 | / | 22.83 | | |
| | RB36#0 | 22.2 | / | 22.08 | | |
| | RB36#39 | 22.09 | / | 21.93 | | |
| | RB75#0 | 22.15 | / | 22.23 | | |
| 15MHz 16QAM | RB1#0 | 22.41 | / | 22.5 | 14.70 | 50 |
| | RB1#38 | 22.48 | / | 22.55 | | |
| | RB1#74 | 22.39 | / | 22.24 | | |
| | RB36#0 | 20.96 | / | 21.09 | | |
| | RB36#39 | 20.9 | / | 21.02 | | |
| | RB75#0 | 21.23 | / | 21.02 | | |

Note:

ERP= Conducted Power(dBm) - Lc(dB) + Gr(dBd)

Gr(dBd)=Gr(dBi)-2.15

Result:**Pass****FCC §2.1049, §90.209: Occupied Bandwidth**

| Operation Mode | 99% Occupied Bandwidth (MHz) | | | 26 dB Occupied Bandwidth (MHz) | | |
|----------------|------------------------------|-----------------|--------|--------------------------------|-----------------|--------|
| | Lowest For 90S | Highest For 90S | Cross | Lowest For 90S | Highest For 90S | Cross |
| 1.4MHz QPSK | 1.102 | 1.096 | 1.098 | 1.290 | 1.308 | 1.316 |
| 1.4MHz 16QAM | 1.090 | 1.090 | 1.094 | 1.296 | 1.284 | 1.281 |
| 3MHz QPSK | 2.683 | 2.683 | 2.683 | 2.880 | 2.880 | 2.918 |
| 3MHz 16QAM | 2.683 | 2.683 | 2.674 | 2.868 | 2.880 | 2.883 |
| 5MHz QPSK | 4.511 | 4.511 | 4.515 | 5.460 | 4.960 | 4.964 |
| 5MHz 16QAM | 4.531 | 4.491 | 4.486 | 5.180 | 4.920 | 4.993 |
| 10MHz QPSK | 8.942 | / | 8.973 | 9.640 | / | 9.638 |
| 10MHz 16QAM | 8.942 | / | 8.944 | 9.560 | / | 9.551 |
| 15MHz QPSK | 13.415 | / | 13.459 | 14.240 | / | 14.891 |
| 15MHz 16QAM | 13.415 | / | 13.502 | 14.153 | / | 15.456 |

Note: The test plots please refer to the Plots of Occupied Bandwidth

FCC §2.1051, §90.691: Spurious Emissions at Antenna Terminal**Result:****Pass, please refer to the test plots of Spurious Emissions at Antenna Terminal.**

FCC §2.1051, §90.691: Out of band emission, Band Edge**Result: Pass, please refer to the test plots of Out of band emission, Band Edge.****FCC §2.1055, §90.213: Frequency Stability**

| Test Modulation: | 15 MHz QPSK | | Test Channel: | 821.5 | MHz |
|-------------------------------------|------------------|----------------------------|-----------------|-------------|-------|
| Test Item | Temperature (°C) | Voltage (V _{DC}) | Frequency Error | | Limit |
| | | | (Hz) | (ppm) | (ppm) |
| Frequency Stability vs. Temperature | -30 | 3.87 | 101.261 | 0.123 | 2.5 |
| | -20 | 3.87 | 116.163 | 0.141 | 2.5 |
| | -10 | 3.87 | 110.693 | 0.135 | 2.5 |
| | 0 | 3.87 | 119.820 | 0.146 | 2.5 |
| | 10 | 3.87 | 108.796 | 0.132 | 2.5 |
| | 20 | 3.87 | 117.620 | 0.143 | 2.5 |
| | 30 | 3.87 | 116.427 | 0.142 | 2.5 |
| | 40 | 3.87 | 115.275 | 0.140 | 2.5 |
| | 50 | 3.87 | 114.820 | 0.140 | 2.5 |
| Frequency Stability vs. Voltage | 20 | 3.29 | 101.482 | 0.124 | 2.5 |
| | 20 | 4.45 | 103.480 | 0.126 | 2.5 |
| Result: | | | | Pass | |

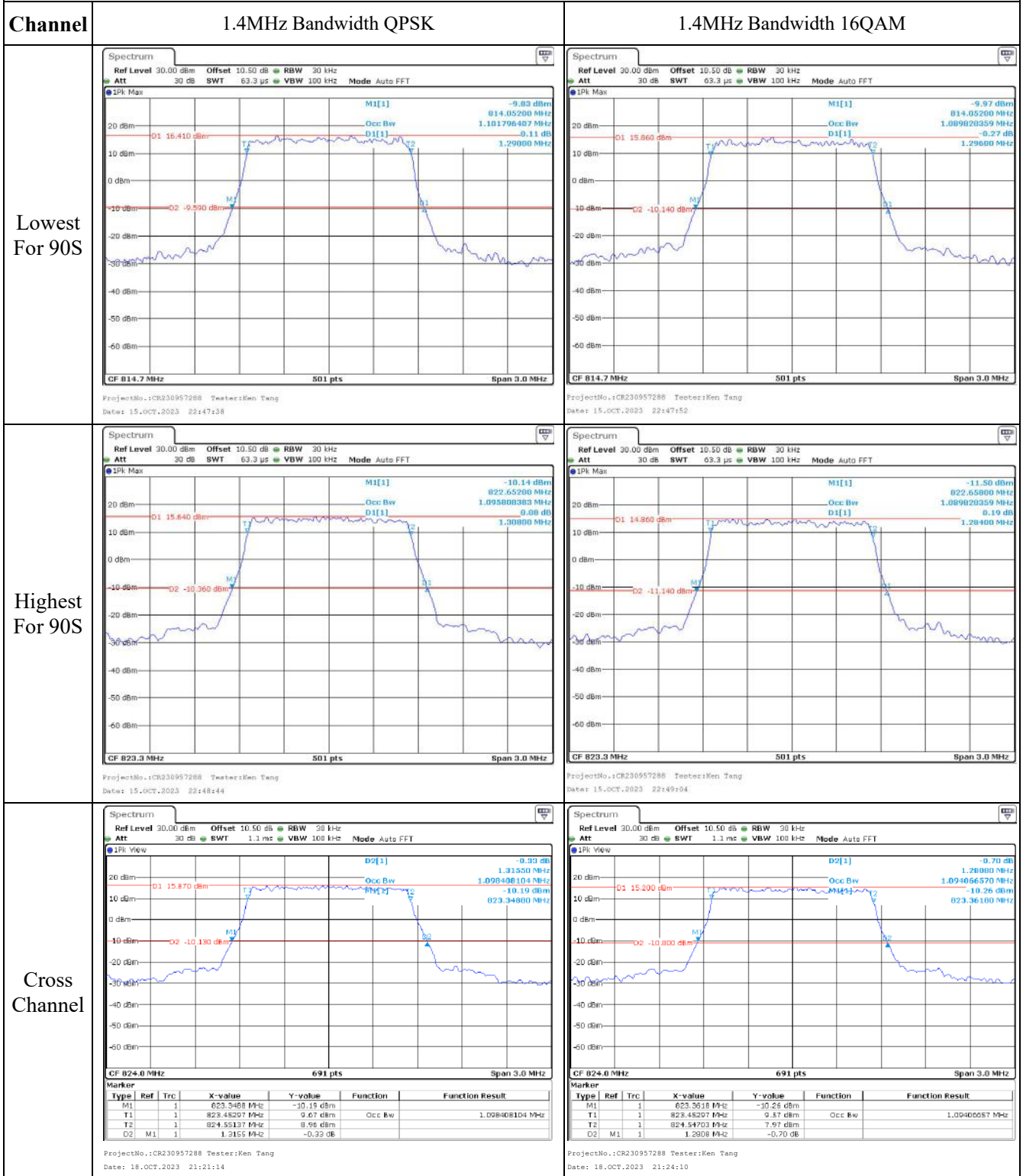
FCC §2.1055, §90.213: Frequency Stability

| Test Modulation: | 15 MHz 16QAM | | Test Channel: | 821.5 | MHz |
|-------------------------------------|------------------|----------------------------|-----------------|-------------|-------|
| Test Item | Temperature (°C) | Voltage (V _{DC}) | Frequency Error | | Limit |
| | | | (Hz) | (ppm) | (ppm) |
| Frequency Stability vs. Temperature | -30 | 3.87 | 116.834 | 0.142 | 2.5 |
| | -20 | 3.87 | 109.630 | 0.133 | 2.5 |
| | -10 | 3.87 | 109.116 | 0.133 | 2.5 |
| | 0 | 3.87 | 102.318 | 0.125 | 2.5 |
| | 10 | 3.87 | 117.091 | 0.143 | 2.5 |
| | 20 | 3.87 | 104.076 | 0.127 | 2.5 |
| | 30 | 3.87 | 101.930 | 0.124 | 2.5 |
| | 40 | 3.87 | 102.001 | 0.124 | 2.5 |
| | 50 | 3.87 | 113.446 | 0.138 | 2.5 |
| Frequency Stability vs. Voltage | 20 | 3.29 | 107.836 | 0.131 | 2.5 |
| | 20 | 4.45 | 115.175 | 0.140 | 2.5 |
| Result: | | | | Pass | |

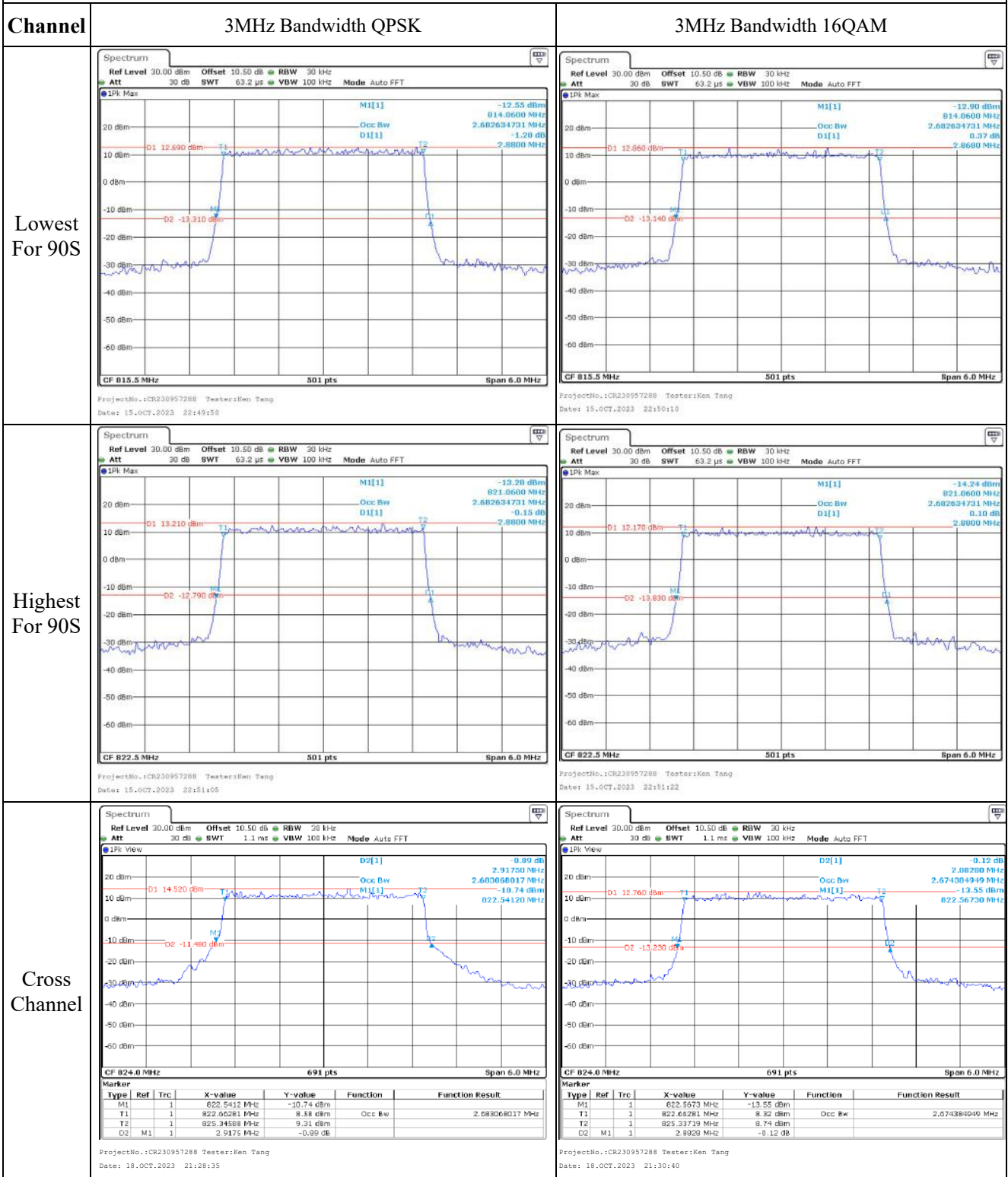
4.14.2 Test Plots for Part 90S:

(Note: The 10.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

Occupied Bandwidth



Occupied Bandwidth



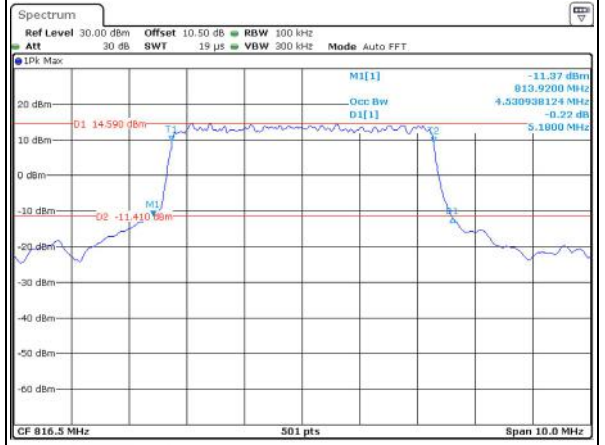
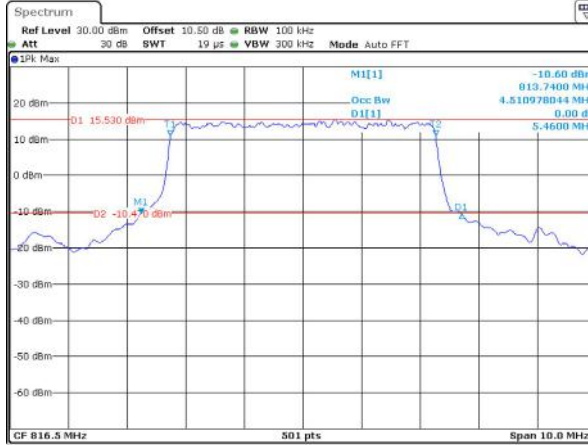
Occupied Bandwidth

Channel

5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

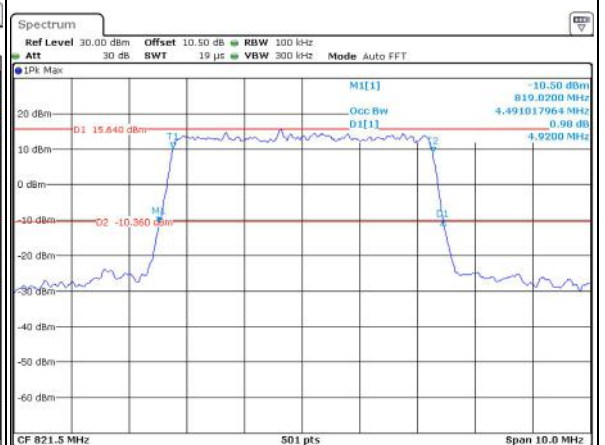
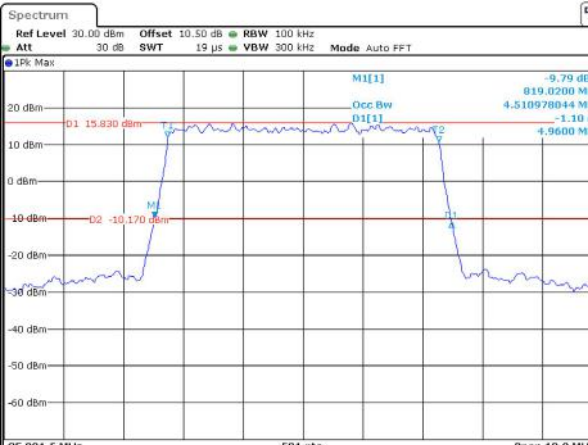
Lowest For 90S



ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 22:51:52

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 22:52:12

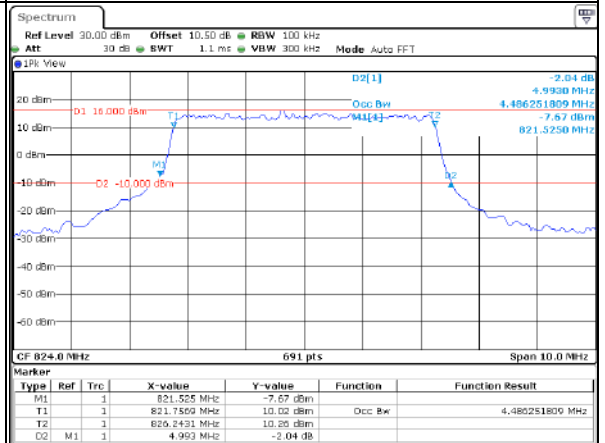
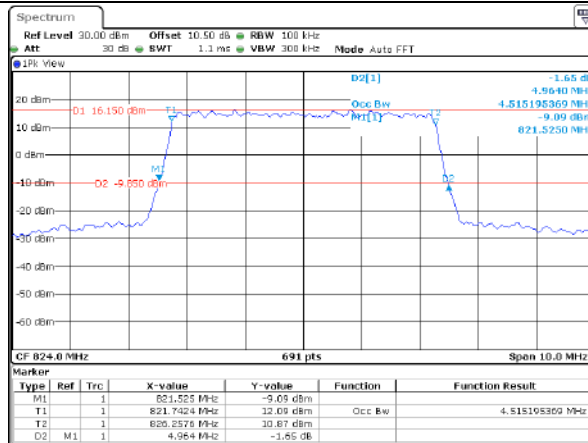
Highest For 90S



ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 22:53:13

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 22:53:17

Cross Channel



ProjectNo.:CR230957288 Tester:Ken Tang
Date: 18.OCT.2023 21:39:20

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 18.OCT.2023 21:36:45

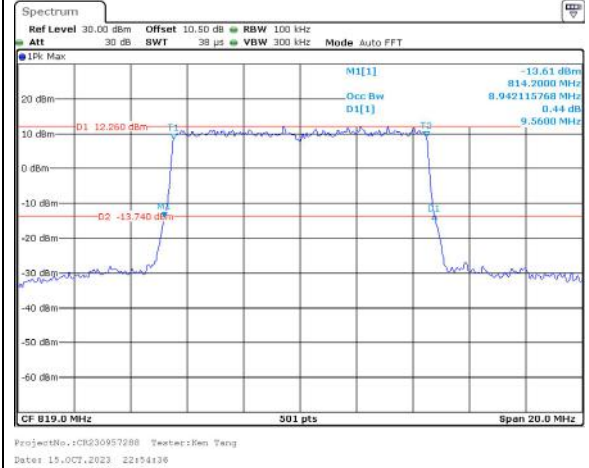
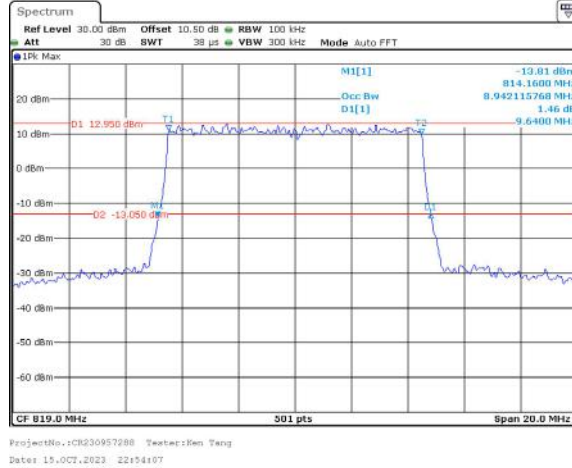
Occupied Bandwidth

Channel

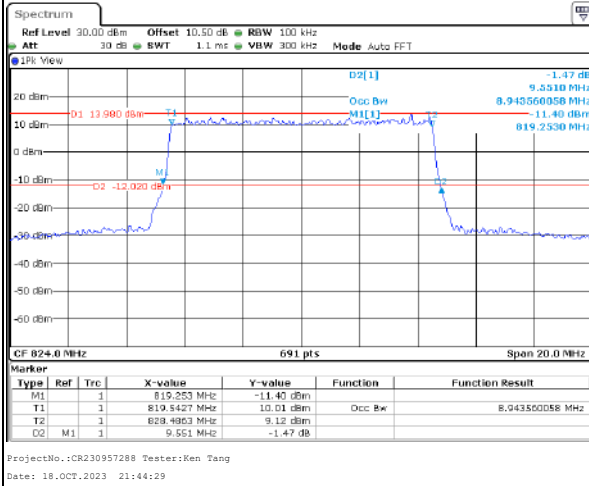
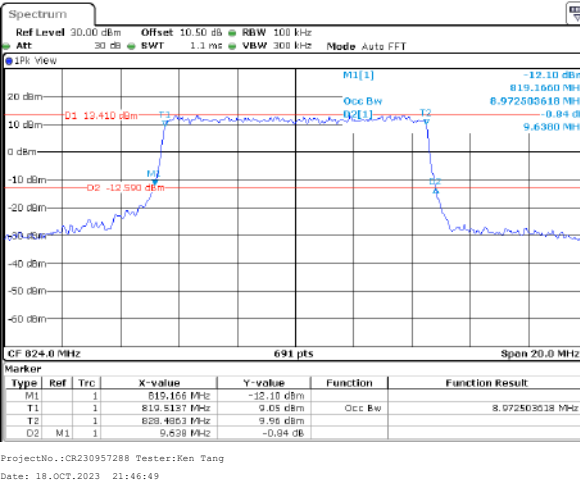
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

Lowest For 90S



Cross Channel



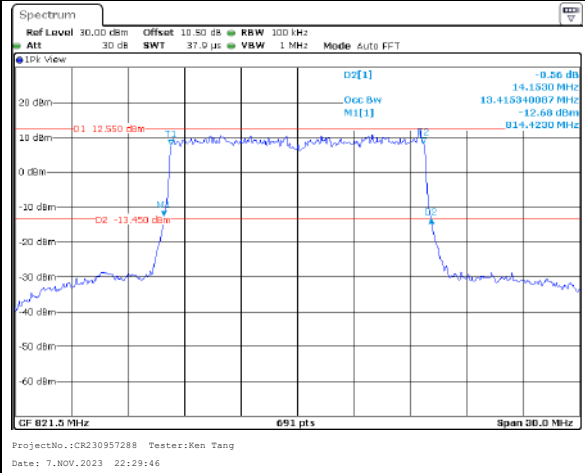
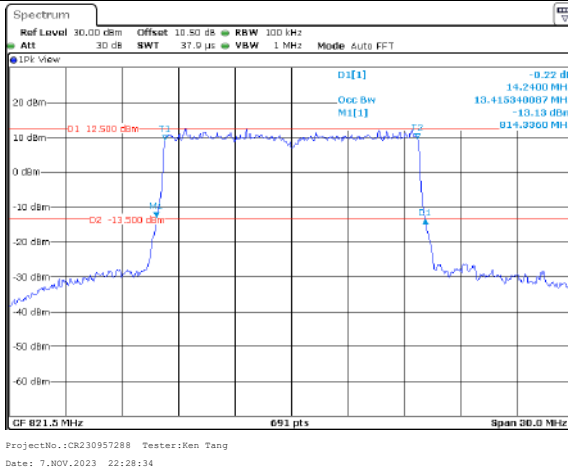
Occupied Bandwidth

Channel

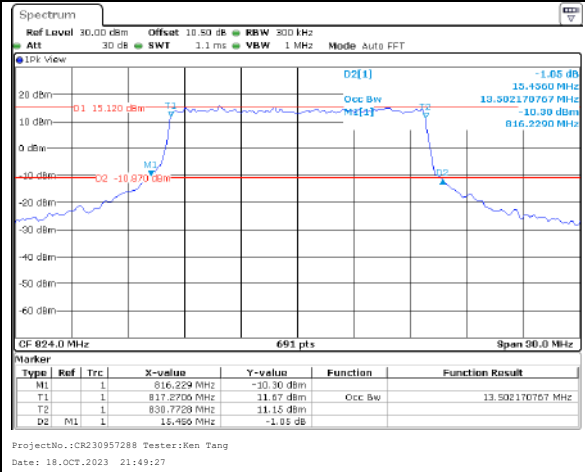
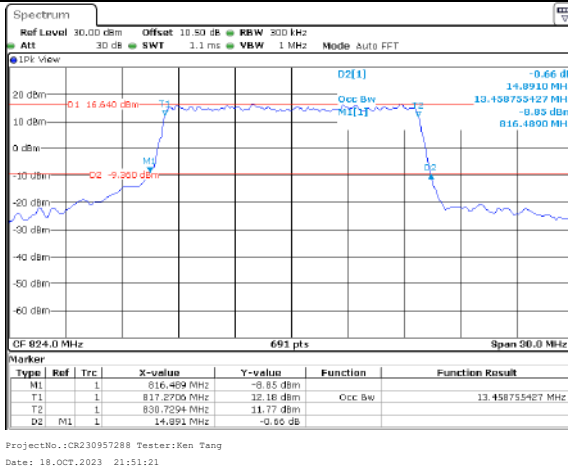
15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

Middle For 90S



Cross Channel

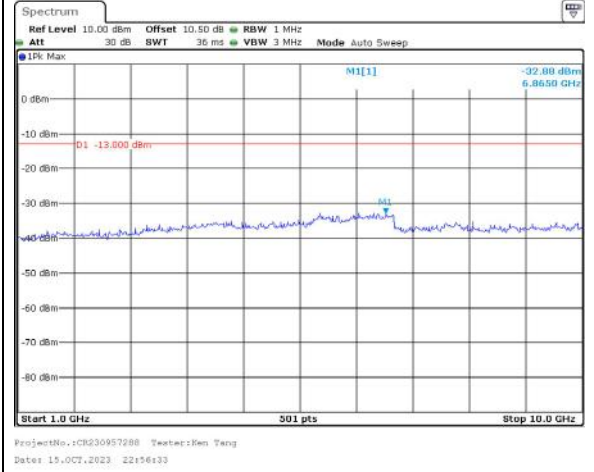
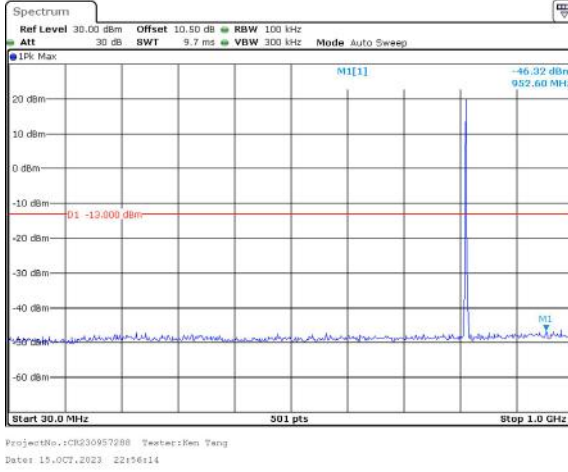


Spurious Emissions at Antenna Terminal

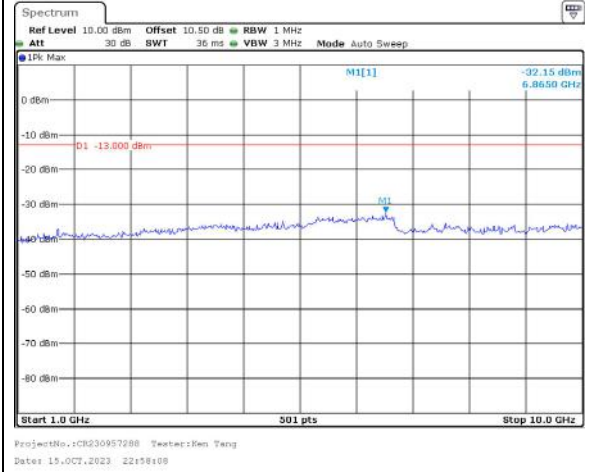
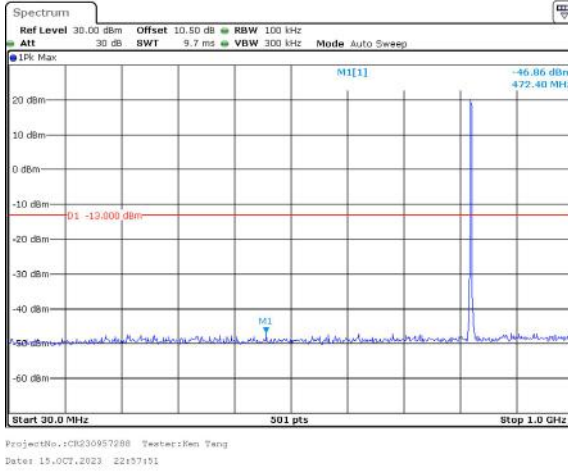
Channel

1.4MHz Bandwidth QPSK

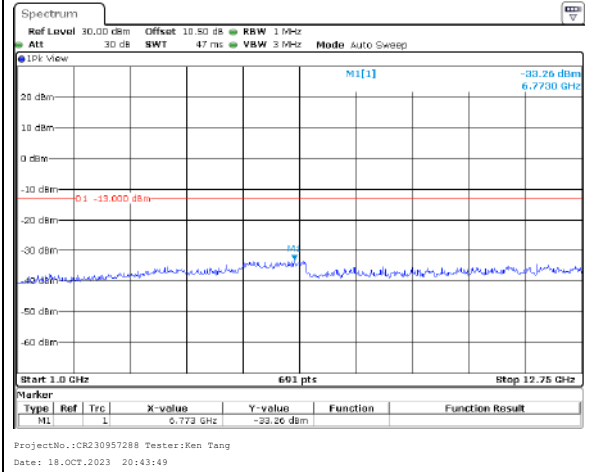
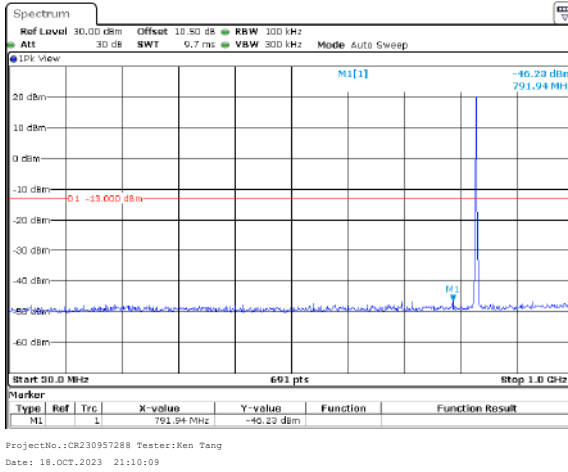
Lowest For 90S



Highest For 90S



Cross Channel

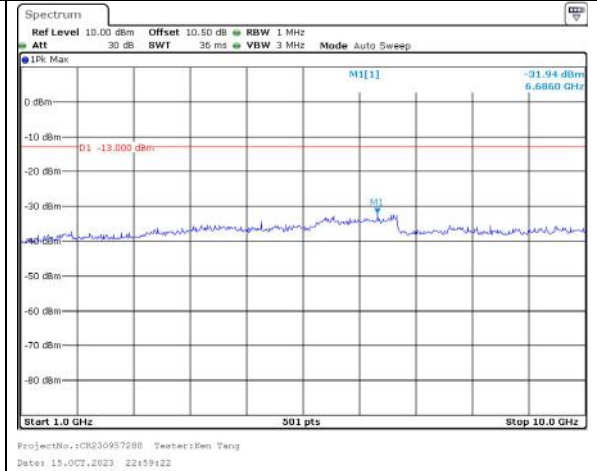
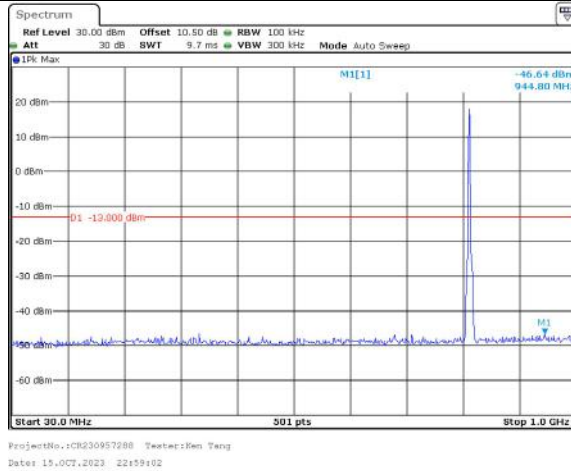


Spurious Emissions at Antenna Terminal

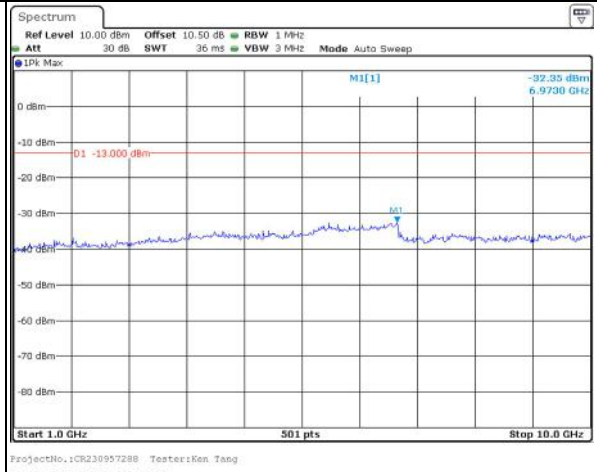
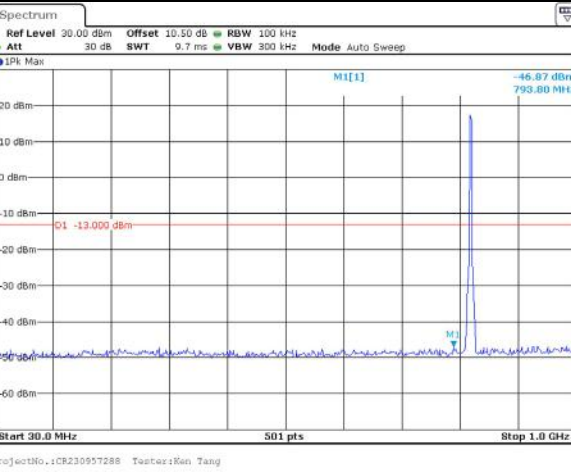
Channel

3MHz Bandwidth QPSK

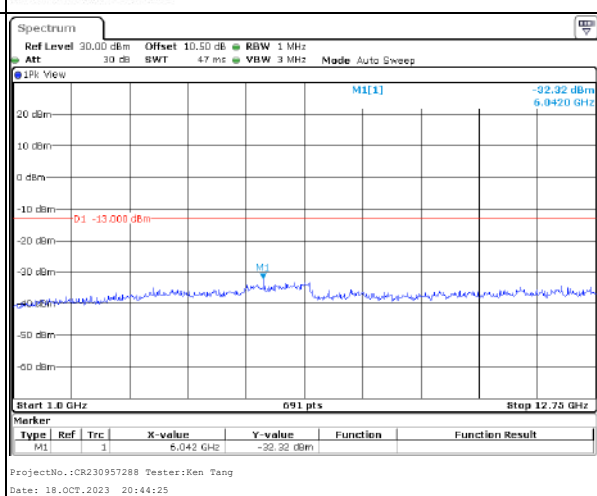
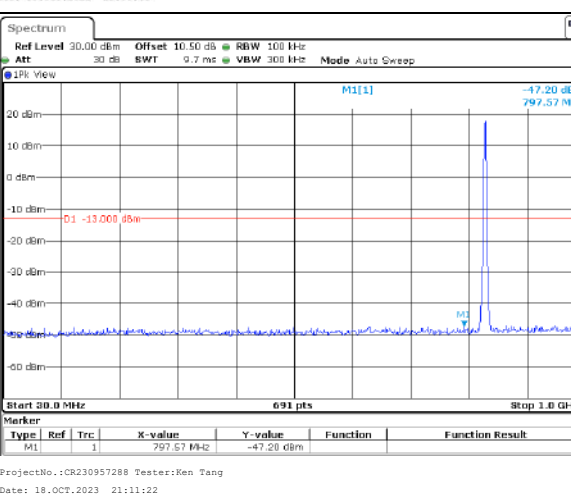
Lowest For 90S



Highest For 90S



Cross Channel

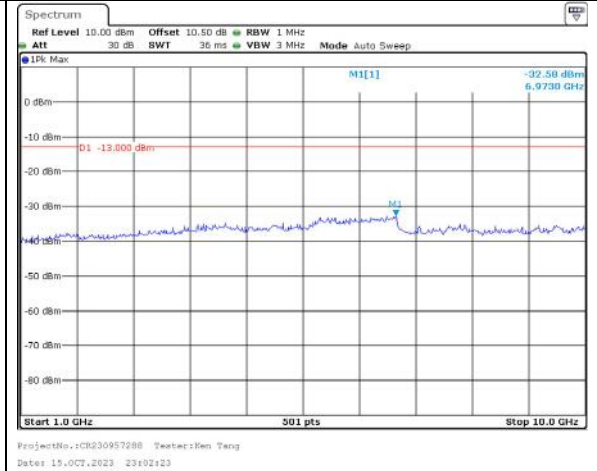
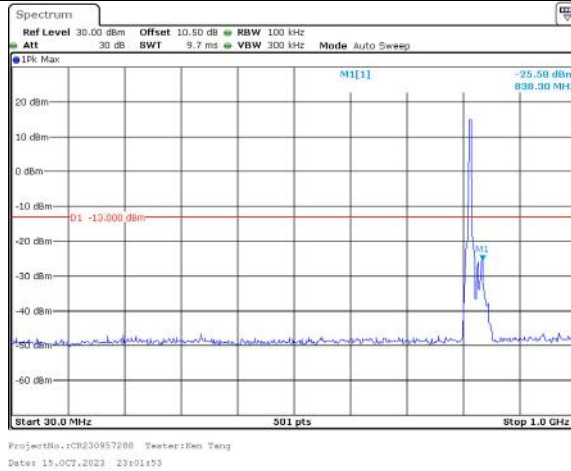


Spurious Emissions at Antenna Terminal

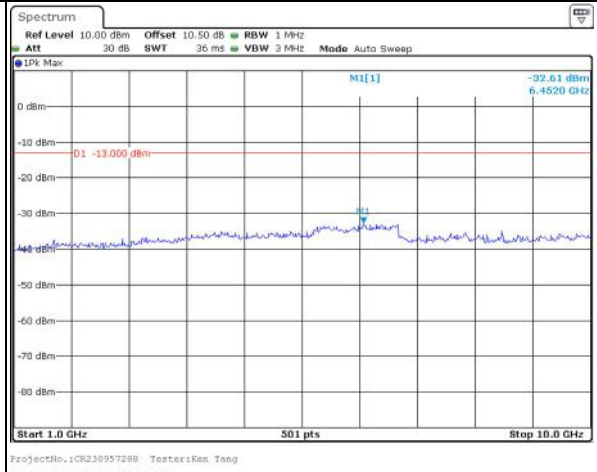
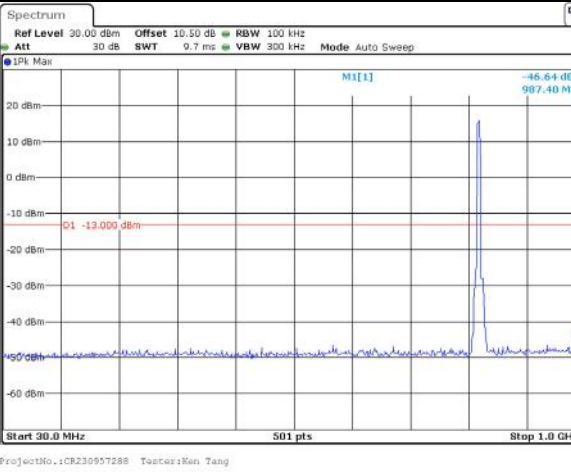
Channel

5MHz Bandwidth QPSK

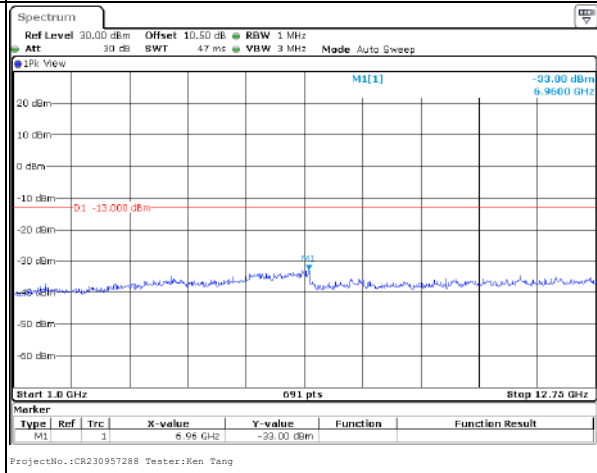
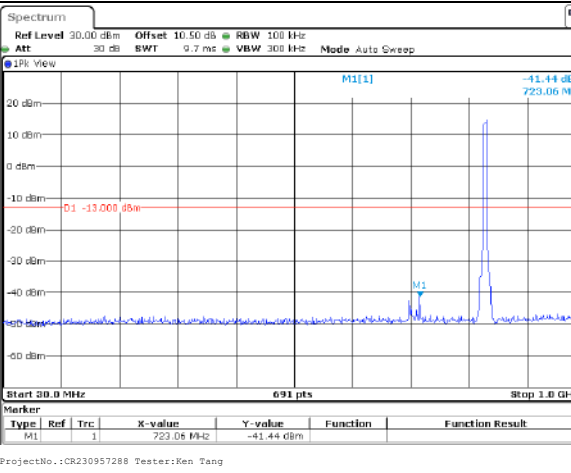
Lowest For 90S



Highest For 90S



Cross Channel

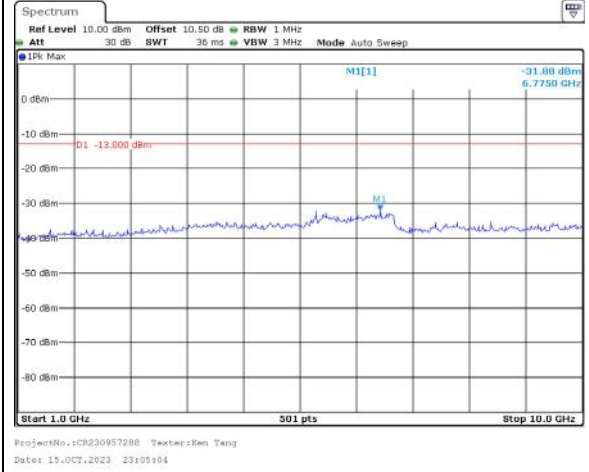
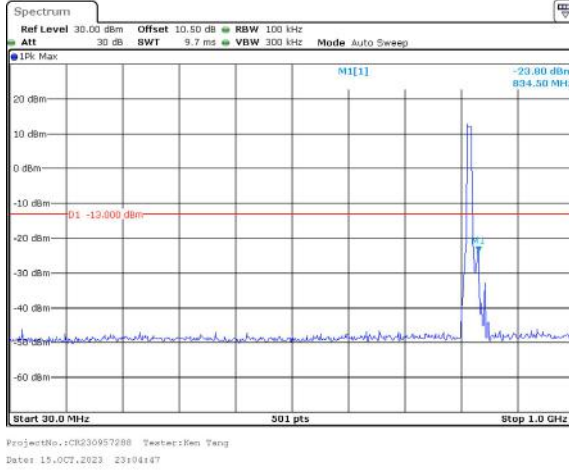


Spurious Emissions at Antenna Terminal

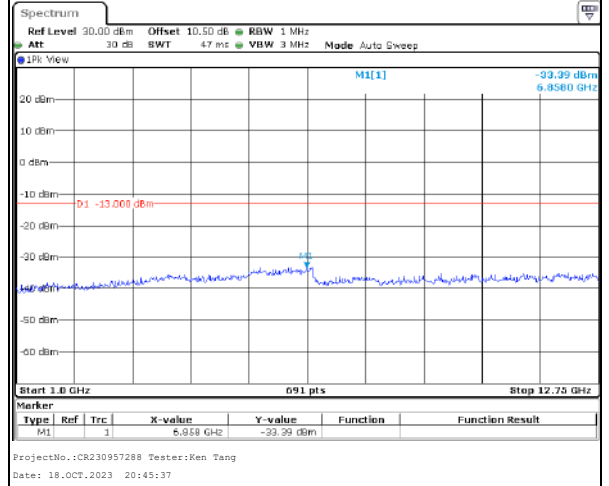
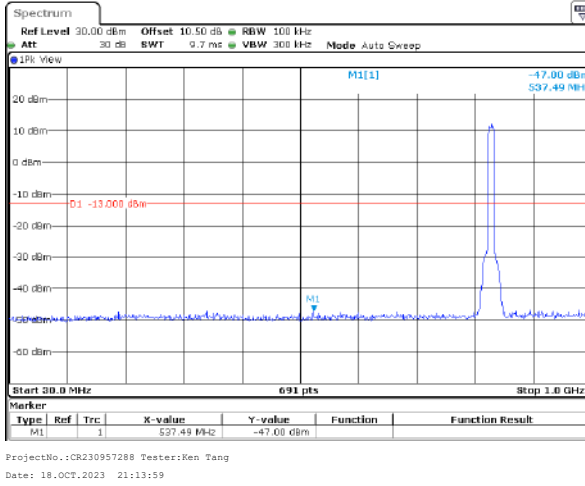
Channel

10MHz Bandwidth QPSK

Lowest For 90S



Cross Channel

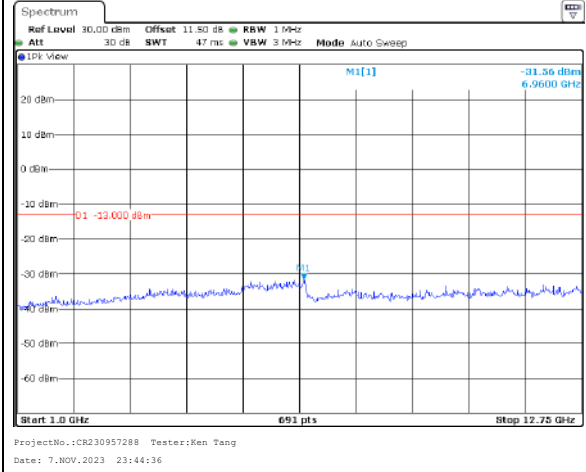
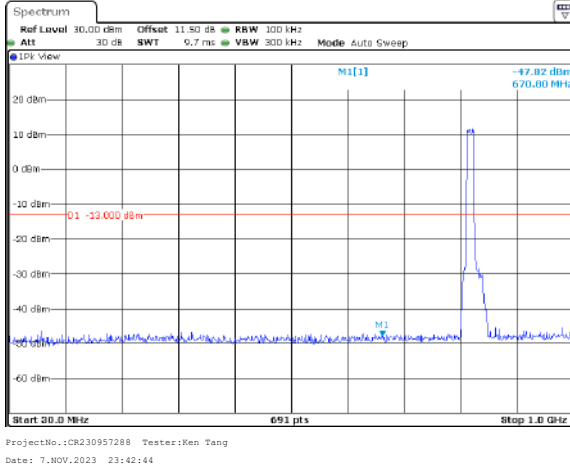


Spurious Emissions at Antenna Terminal

Channel

15MHz Bandwidth QPSK

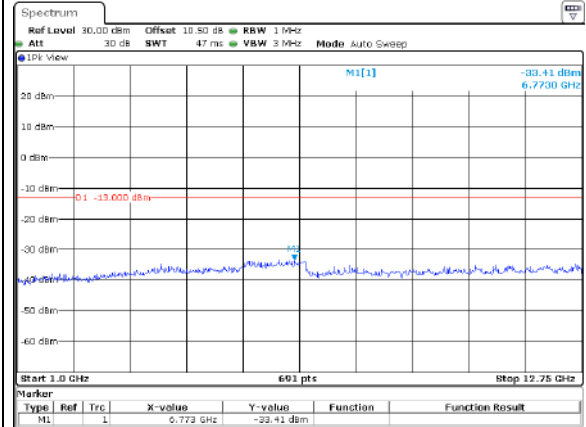
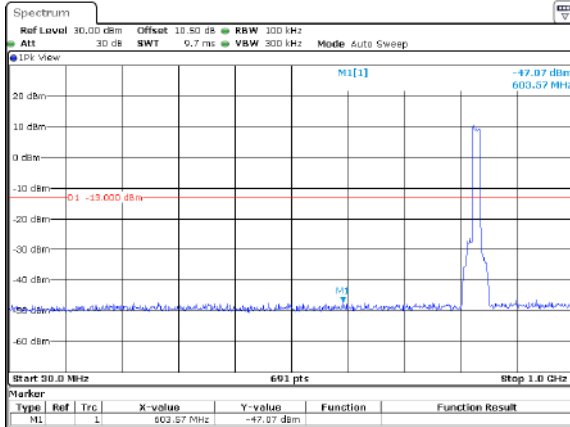
Lowest For 90S



ProjectNo.:CR230957288 Tester:Ken Tang
Date: 7.NOV.2023 23:42:44

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 7.NOV.2023 23:44:36

Cross Channel



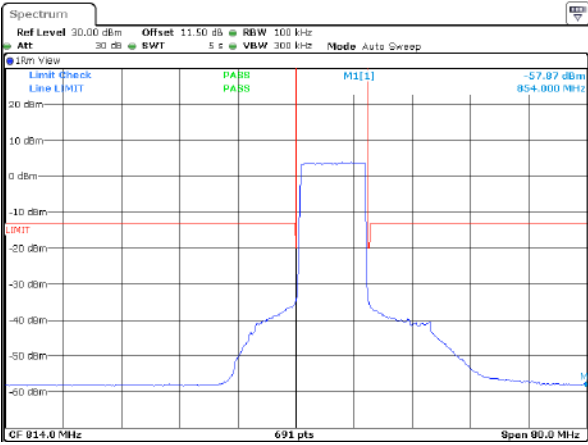
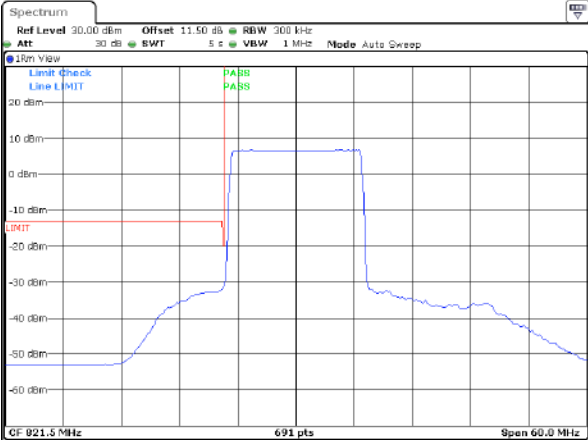
ProjectNo.:CR230957288 Tester:Ken Tang
Date: 18.OCT.2023 21:15:13

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 18.OCT.2023 20:46:14

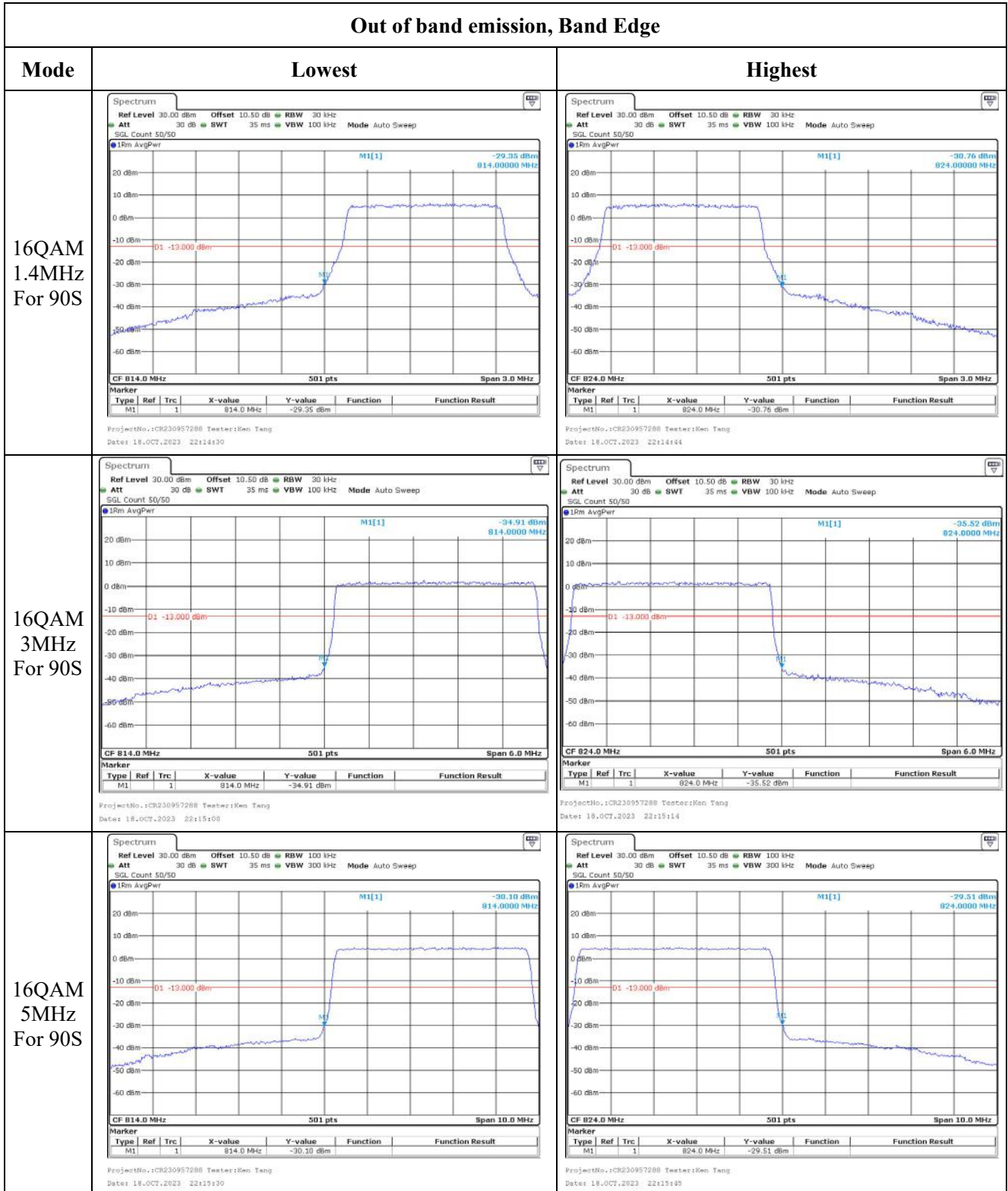
Out of band emission, Band Edge

| Mode | Lowest | Highest |
|------------------------------------|--------|---------|
| <p>QPSK 1.4MHz For 90S</p> | | |
| <p>QPSK 3MHz For 90S</p> | | |
| <p>QPSK 5MHz For 90S</p> | | |

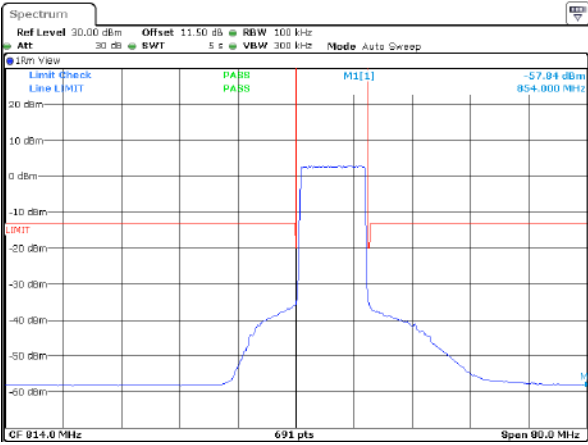
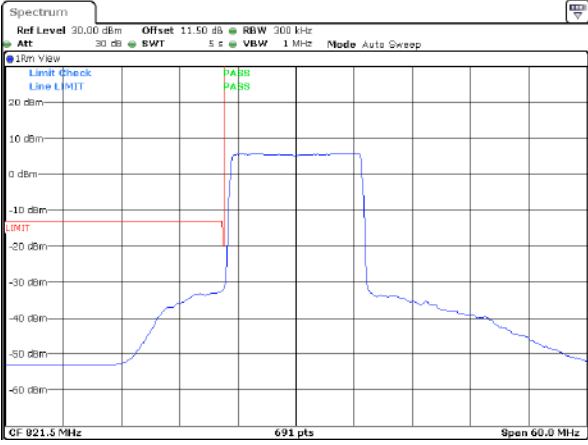
Out of band emission, Band Edge

| Mode | |
|--|---|
| <p>QPSK 10MHz For 90S</p> |  <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 7.NOV.2023 23:56:36</p> |
| <p>QPSK 15MHz Across 90S and 22H</p> |  <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 7.NOV.2023 22:47:06</p> |

Out of band emission, Band Edge



Out of band emission, Band Edge

| Mode | |
|--|---|
| 16QAM 10MHz For 90S |  <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 7.NOV.2023 23:58:02</p> |
| 16QAM 15MHz Across 90S and 22H |  <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 7.NOV.2023 22:45:50</p> |

4.14.3 Test Data for Part 22H:

| FCC§2.1046; § 22.913 (a) | | | | | | |
|-----------------------------|----------------------------|-------------------------------------|--------------------------|---------------------------|-------------------|-----------------|
| RF Output Power: | | | | | | |
| Test Bandwidth & Modulation | Resource Block & RB offset | Conducted Average Output Power(dBm) | | | Maximum ERP (dBm) | ERP Limit (dBm) |
| | | Lowest Frequency For 22H | Middle Frequency For 22H | Highest Frequency For 22H | | |
| 1.4MHz QPSK | RB1#0 | 22.96 | 22.81 | 22.75 | 15.13 | 38.45 |
| | RB1#3 | 22.98 | 22.8 | 22.77 | | |
| | RB1#5 | 22.95 | 22.72 | 22.74 | | |
| | RB3#0 | 21.85 | 21.81 | 21.6 | | |
| | RB3#3 | 21.89 | 21.78 | 21.66 | | |
| | RB6#0 | 21.92 | 21.86 | 21.75 | | |
| 1.4MHz 16QAM | RB1#0 | 22 | 22.43 | 21.91 | 14.58 | 38.45 |
| | RB1#3 | 22 | 22.43 | 21.9 | | |
| | RB1#5 | 21.94 | 22.35 | 21.88 | | |
| | RB3#0 | 20.83 | 20.89 | 20.75 | | |
| | RB3#3 | 20.81 | 20.87 | 20.75 | | |
| | RB6#0 | 20.99 | 20.93 | 20.73 | | |
| 3MHz QPSK | RB1#0 | 22.92 | 22.83 | 22.74 | 15.25 | 38.45 |
| | RB1#8 | 23.1 | 22.97 | 22.97 | | |
| | RB1#14 | 22.84 | 22.7 | 22.73 | | |
| | RB6#0 | 21.92 | 21.9 | 21.84 | | |
| | RB6#9 | 21.93 | 21.87 | 21.68 | | |
| | RB15#0 | 21.96 | 21.87 | 21.8 | | |
| 3MHz 16QAM | RB1#0 | 21.9 | 22.39 | 21.93 | 14.71 | 38.45 |
| | RB1#8 | 22.02 | 22.56 | 22.07 | | |
| | RB1#14 | 21.86 | 22.35 | 21.84 | | |
| | RB6#0 | 21.03 | 20.97 | 20.9 | | |
| | RB6#9 | 21.04 | 20.93 | 20.72 | | |
| | RB15#0 | 20.98 | 20.91 | 20.82 | | |
| 5MHz QPSK | RB1#0 | 23.04 | 23.14 | 23.16 | 15.31 | 38.45 |
| | RB1#13 | 23.15 | 23.14 | 23.16 | | |
| | RB1#24 | 23 | 22.75 | 23.01 | | |
| | RB15#0 | 22.21 | 22.21 | 22 | | |
| | RB15#10 | 22.01 | 22.2 | 22.03 | | |
| | RB25#0 | 22.09 | 22.01 | 22.07 | | |
| 5MHz 16QAM | RB1#0 | 22.5 | 22.56 | 22.48 | 14.73 | 38.45 |
| | RB1#13 | 22.56 | 22.58 | 22.42 | | |
| | RB1#24 | 22.4 | 22.34 | 22.32 | | |
| | RB15#0 | 21.11 | 21.19 | 21.24 | | |
| | RB15#10 | 20.94 | 20.9 | 21.11 | | |
| | RB25#0 | 21.15 | 21.13 | 21 | | |

| | | | | | | |
|----------------|---------|-------|-------|-------|-------|-------|
| 10MHz QPSK | RB1#0 | 23.03 | 23.03 | 22.96 | 15.37 | 38.45 |
| | RB1#25 | 23.22 | 22.95 | 23.09 | | |
| | RB1#49 | 22.9 | 22.84 | 22.95 | | |
| | RB25#0 | 22.06 | 22.02 | 22.2 | | |
| | RB25#25 | 22.03 | 21.99 | 22.09 | | |
| | RB50#0 | 22.14 | 22.28 | 22.15 | | |
| 10MHz 16QAM | RB1#0 | 22.43 | 22.45 | 22.45 | 14.73 | 38.45 |
| | RB1#25 | 22.55 | 22.51 | 22.58 | | |
| | RB1#49 | 22.27 | 22.47 | 22.21 | | |
| | RB25#0 | 21.11 | 21.04 | 21.09 | | |
| | RB25#25 | 21.11 | 21.08 | 21.12 | | |
| | RB50#0 | 21.22 | 21.13 | 21.01 | | |
| 15MHz QPSK | RB1#0 | 23.17 | 23.02 | 22.89 | 15.32 | 38.45 |
| | RB1#38 | 22.96 | 23.09 | 23 | | |
| | RB1#74 | 22.97 | 23.01 | 22.86 | | |
| | RB36#0 | 22.25 | 22.19 | 22.17 | | |
| | RB36#39 | 22.06 | 22.04 | 22.15 | | |
| | RB75#0 | 22.16 | 22.24 | 22.29 | | |
| 15MHz 16QAM | RB1#0 | 22.32 | 22.31 | 22.27 | 14.77 | 38.45 |
| | RB1#38 | 22.52 | 22.62 | 22.47 | | |
| | RB1#74 | 22.26 | 22.37 | 22.29 | | |
| | RB36#0 | 20.96 | 20.96 | 20.98 | | |
| | RB36#39 | 21.13 | 21.1 | 21.11 | | |
| | RB75#0 | 20.94 | 21 | 20.98 | | |

Note:

ERP= Conducted Power(dBm) - Lc(dB) + Gr(dBd)

Gr(dBd)=Gr(dBi)-2.15

Result:**Pass****Peak-to-average Ratio (PAR)**

| Test Bandwidth & Modulation | Resource Block & RB offset | Peak-to-average Ratio(dB) | | | Limit (dB) |
|-----------------------------------|-------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------|
| | | Lowest Frequency For 22H | Middle Frequency For 22H | Highest Frequency For 22H | |
| 15MHz QPSK | RB1#0 | 7.40 | 7.66 | 7.96 | 13 |
| | RB75#0 | 8.71 | 6.96 | 7.08 | 13 |
| 15MHz 16QAM | RB1#0 | 9.42 | 7.97 | 8.68 | 13 |
| | RB75#0 | 8.95 | 9.31 | 6.52 | 13 |
| | | | | Result: | Pass |

| FCC §2.1049, §22.905: Occupied Bandwidth | | | | | | |
|---|------------------------------|----------------|-----------------|--------------------------------|----------------|-----------------|
| Operation Mode | 99% Occupied Bandwidth (MHz) | | | 26 dB Occupied Bandwidth (MHz) | | |
| | Lowest For 22H | Middle For 22H | Highest For 22H | Lowest For 22H | Middle For 22H | Highest For 22H |
| 1.4MHz QPSK | 1.090 | 1.09 | 1.102 | 1.290 | 1.302 | 1.284 |
| 1.4MHz 16QAM | 1.096 | 1.09 | 1.102 | 1.320 | 1.284 | 1.320 |
| 3MHz QPSK | 2.683 | 2.683 | 2.683 | 2.880 | 2.880 | 2.880 |
| 3MHz 16QAM | 2.683 | 2.683 | 2.683 | 2.868 | 2.892 | 2.880 |
| 5MHz QPSK | 4.511 | 4.491 | 4.511 | 4.940 | 4.940 | 4.980 |
| 5MHz 16QAM | 4.511 | 4.511 | 4.491 | 4.940 | 4.980 | 4.920 |
| 10MHz QPSK | 8.942 | 8.942 | 8.942 | 9.560 | 9.600 | 9.640 |
| 10MHz 16QAM | 8.942 | 8.942 | 8.982 | 9.680 | 9.600 | 9.680 |
| 15MHz QPSK | 13.413 | 13.473 | 13.473 | 14.640 | 14.640 | 14.820 |
| 15MHz 16QAM | 13.533 | 13.473 | 13.533 | 14.640 | 14.640 | 14.640 |

Note: The test plots please refer to the Plots of Occupied Bandwidth

FCC §2.1051, §22.917(a): Spurious Emissions at Antenna Terminal

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

FCC §2.1051, §22.917(a): Out of band emission, Band Edge

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

FCC §2.1055, §22.355: Frequency Stability

| Test Modulation: | 15 MHz QPSK | | Test Channel: | 831.5 | MHz |
|-------------------------------------|------------------|----------------------------|-----------------|----------------|-------------|
| Test Item | Temperature (°C) | Voltage (V _{DC}) | Frequency Error | | Limit |
| | | | (Hz) | (ppm) | (ppm) |
| Frequency Stability vs. Temperature | -30 | 3.87 | 118.225 | 0.142 | 2.5 |
| | -20 | 3.87 | 106.867 | 0.129 | 2.5 |
| | -10 | 3.87 | 115.306 | 0.139 | 2.5 |
| | 0 | 3.87 | 111.676 | 0.134 | 2.5 |
| | 10 | 3.87 | 103.763 | 0.125 | 2.5 |
| | 20 | 3.87 | 111.531 | 0.134 | 2.5 |
| | 30 | 3.87 | 114.625 | 0.138 | 2.5 |
| | 40 | 3.87 | 114.306 | 0.137 | 2.5 |
| Frequency Stability vs. Voltage | 20 | 3.29 | 117.760 | 0.142 | 2.5 |
| | 20 | 4.45 | 103.256 | 0.124 | 2.5 |
| | | | | Result: | Pass |

| FCC §2.1055, §22.355: Frequency Stability | | | | | |
|--|------------------|----------------------------|-----------------|----------------|-------------|
| Test Modulation: | 15 MHz 16QAM | | Test Channel: | 831.5 | MHz |
| Test Item | Temperature (°C) | Voltage (V _{DC}) | Frequency Error | | Limit |
| | | | (Hz) | (ppm) | (ppm) |
| Frequency Stability vs. Temperature | -30 | 3.87 | 104.558 | 0.126 | 2.5 |
| | -20 | 3.87 | 117.717 | 0.142 | 2.5 |
| | -10 | 3.87 | 106.057 | 0.128 | 2.5 |
| | 0 | 3.87 | 105.789 | 0.127 | 2.5 |
| | 10 | 3.87 | 118.606 | 0.143 | 2.5 |
| | 20 | 3.87 | 104.090 | 0.125 | 2.5 |
| | 30 | 3.87 | 101.295 | 0.122 | 2.5 |
| | 40 | 3.87 | 112.189 | 0.135 | 2.5 |
| Frequency Stability vs. Voltage | 20 | 3.29 | 118.967 | 0.143 | 2.5 |
| | 20 | 4.45 | 116.697 | 0.140 | 2.5 |
| | | | | Result: | Pass |

4.14.4 Test Plots for Part 22H:

(Note: The 10.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

Occupied Bandwidth

| Channel | 1.4MHz Bandwidth QPSK | 1.4MHz Bandwidth 16QAM |
|-----------------|---|---|
| Lowest For 22H | <p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 63.3 μs VBW 100 kHz Mode Auto FFT</p> <p>1Pk Max MI[1] -9.69 dBm 824.05800 MHz Occ Bw D1[1] 1.089820359 MHz -0.27 dB 1.29800 MHz</p> <p>D1 15.910 dBm D2 -10.090 dBm</p> <p>CF 824.7 MHz 501 pts Span 3.0 MHz</p> <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:15:40</p> | <p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 63.3 μs VBW 100 kHz Mode Auto FFT</p> <p>1Pk Max MI[1] -11.06 dBm 824.03400 MHz Occ Bw D1[1] 1.095808303 MHz 0.67 dB 1.32000 MHz</p> <p>D1 15.260 dBm D2 -10.740 dBm</p> <p>CF 824.7 MHz 501 pts Span 3.0 MHz</p> <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:16:00</p> |
| Middle For 22H | <p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 63.3 μs VBW 100 kHz Mode Auto FFT</p> <p>1Pk Max MI[1] -10.22 dBm 835.05200 MHz Occ Bw D1[1] 1.089820359 MHz -0.28 dB 1.30200 MHz</p> <p>D1 15.490 dBm D2 -10.510 dBm</p> <p>CF 836.5 MHz 501 pts Span 3.0 MHz</p> <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:16:17</p> | <p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 63.3 μs VBW 100 kHz Mode Auto FFT</p> <p>1Pk Max MI[1] -11.07 dBm 835.05000 MHz Occ Bw D1[1] 1.089820359 MHz -0.27 dB 1.28400 MHz</p> <p>D1 14.850 dBm D2 -11.150 dBm</p> <p>CF 836.5 MHz 501 pts Span 3.0 MHz</p> <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:16:34</p> |
| Highest For 22H | <p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 63.3 μs VBW 100 kHz Mode Auto FFT</p> <p>1Pk Max MI[1] -9.39 dBm 847.65800 MHz Occ Bw D1[1] 1.101796407 MHz -0.55 dB 1.28400 MHz</p> <p>D1 16.360 dBm D2 -9.040 dBm</p> <p>CF 848.3 MHz 501 pts Span 3.0 MHz</p> <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:16:48</p> | <p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 63.3 μs VBW 100 kHz Mode Auto FFT</p> <p>1Pk Max MI[1] -10.31 dBm 847.64000 MHz Occ Bw D1[1] 1.101796407 MHz -0.24 dB 1.32000 MHz</p> <p>D1 15.820 dBm D2 -10.380 dBm</p> <p>CF 848.3 MHz 501 pts Span 3.0 MHz</p> <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:17:05</p> |

Occupied Bandwidth

| Channel | 3MHz Bandwidth QPSK | 3MHz Bandwidth 16QAM |
|-----------------|--|--|
| Lowest For 22H | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:17:49</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:18:06</p> |
| Middle For 22H | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:18:23</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:18:40</p> |
| Highest For 22H | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:19:10</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:19:26</p> |

Occupied Bandwidth

| Channel | 5MHz Bandwidth QPSK | 5MHz Bandwidth 16QAM |
|-----------------|--|--|
| Lowest For 22H | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:20:13</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:20:30</p> |
| Middle For 22H | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:20:51</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:21:14</p> |
| Highest For 22H | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:21:40</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:22:03</p> |

Occupied Bandwidth

| Channel | 10MHz Bandwidth QPSK | 10MHz Bandwidth 16QAM |
|-----------------|---|---|
| Lowest For 22H | <p>ProjectNo.:CR230957288 Testeri:Ken Tang Date: 15.OCT.2023 23:22:54</p> | <p>ProjectNo.:CR230957288 Testeri:Ken Tang Date: 15.OCT.2023 23:23:17</p> |
| Middle For 22H | <p>ProjectNo.:CR230957288 Testeri:Ken Tang Date: 15.OCT.2023 23:23:40</p> | <p>ProjectNo.:CR230957288 Testeri:Ken Tang Date: 15.OCT.2023 23:24:06</p> |
| Highest For 22H | <p>ProjectNo.:CR230957288 Testeri:Ken Tang Date: 15.OCT.2023 23:24:33</p> | <p>ProjectNo.:CR230957288 Testeri:Ken Tang Date: 15.OCT.2023 23:24:53</p> |

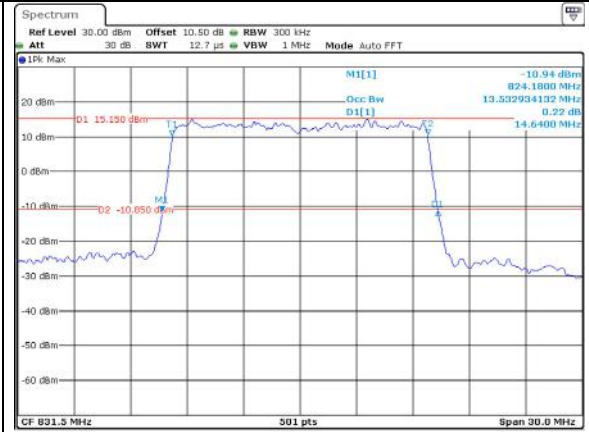
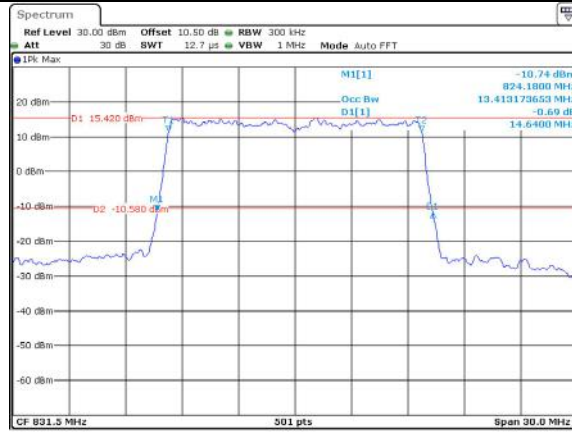
Occupied Bandwidth

Channel

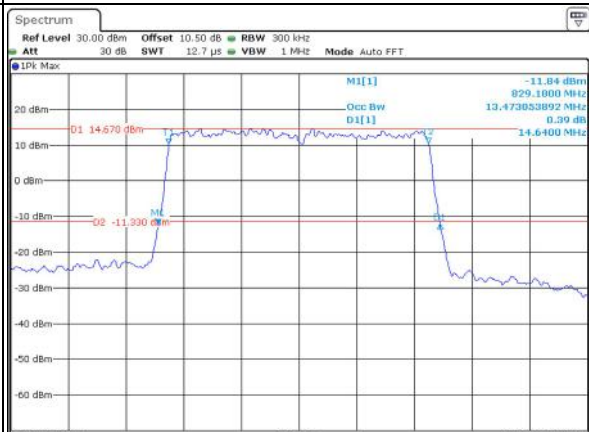
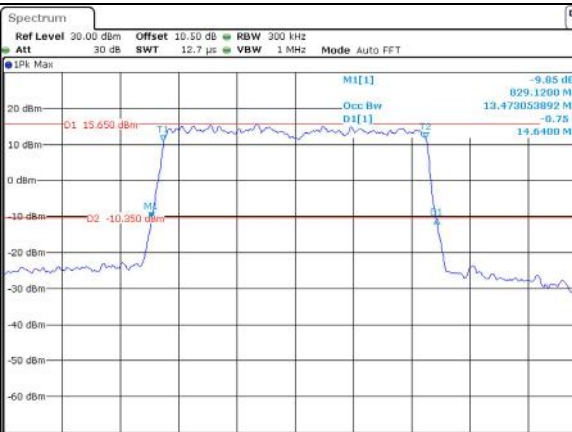
15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

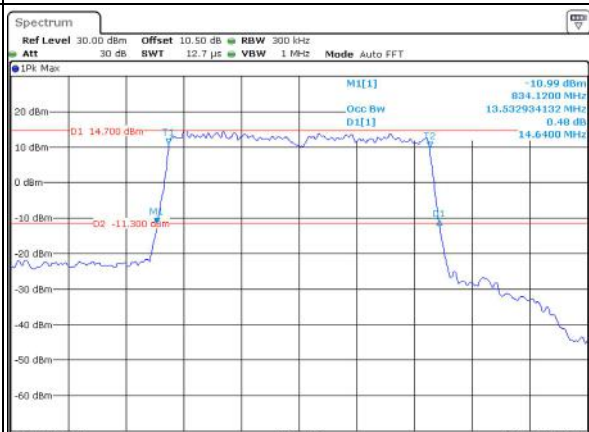
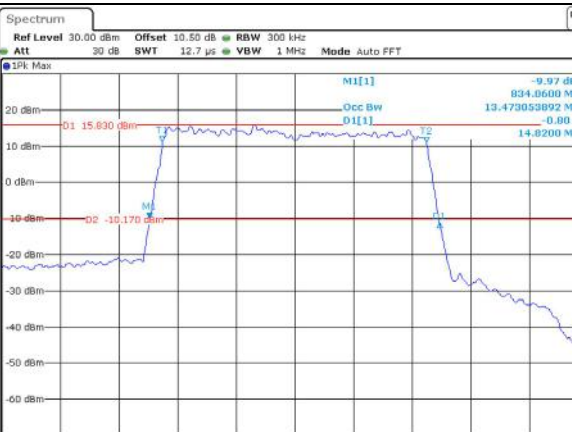
Lowest For 22H



Middle For 22H



Highest For 22H

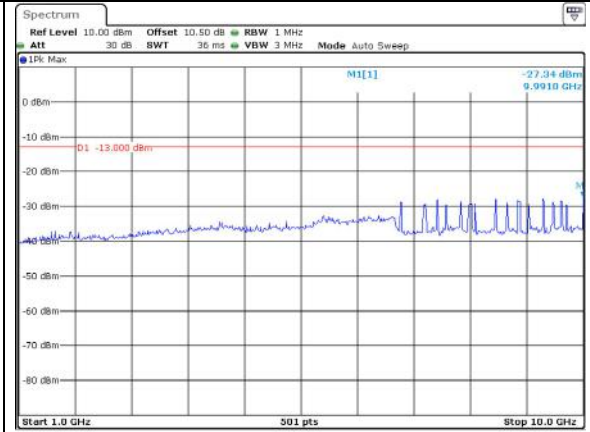
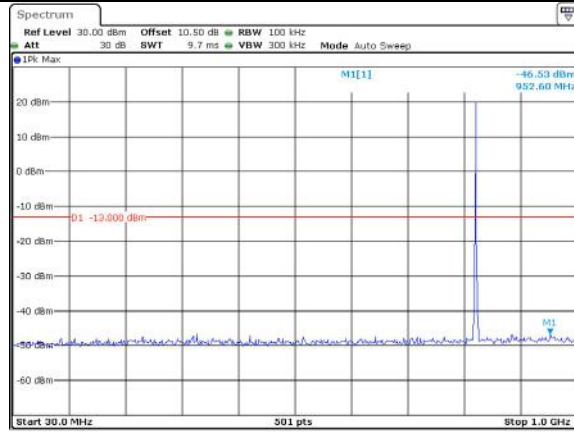


Spurious Emissions at Antenna Terminal

Channel

1.4MHz Bandwidth QPSK

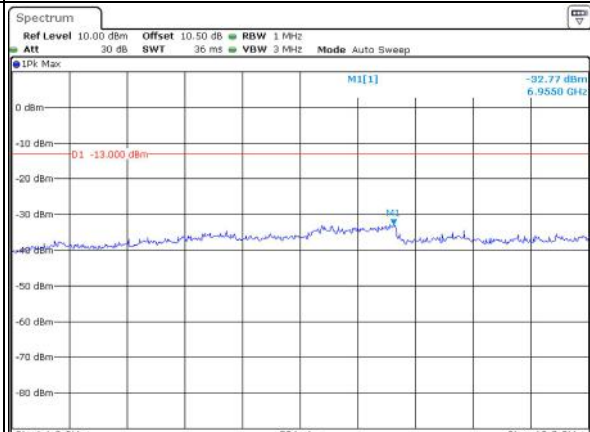
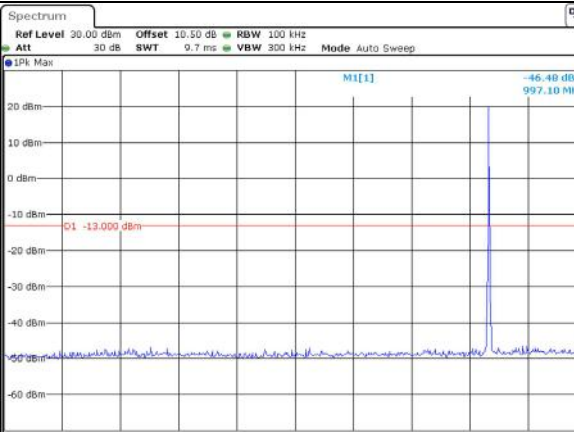
Lowest
For 22H



ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 23:28:48

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 23:29:14

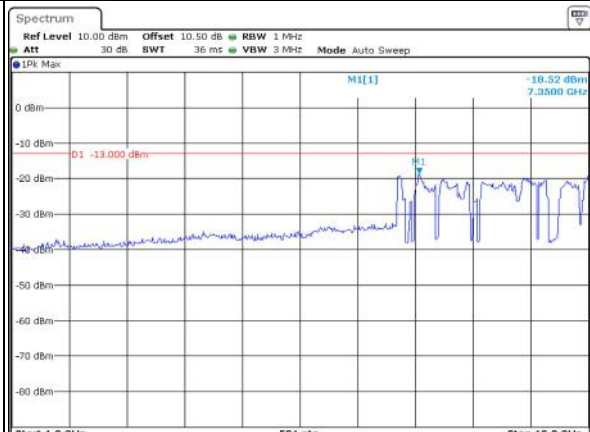
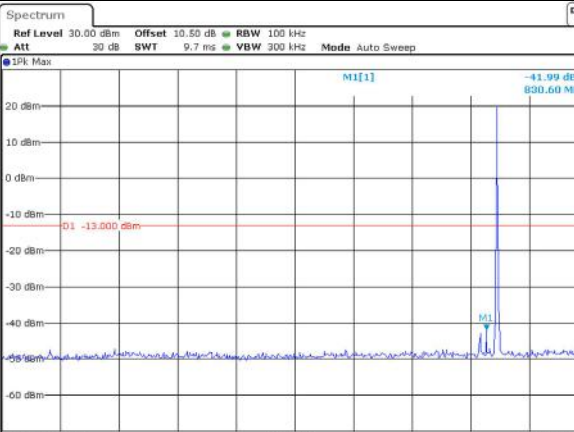
Middle
For 22H



ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 23:29:49

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 23:30:12

Highest
For 22H



ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 23:30:34

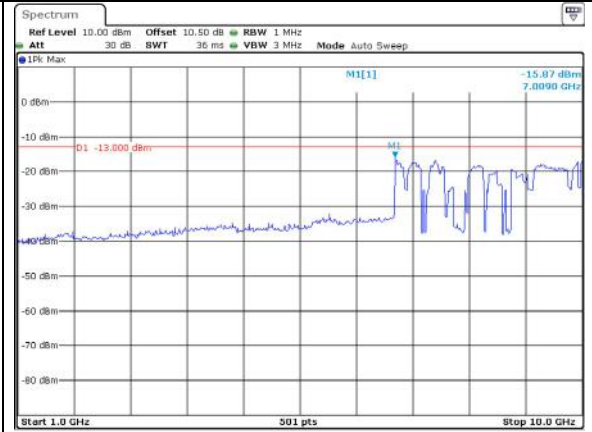
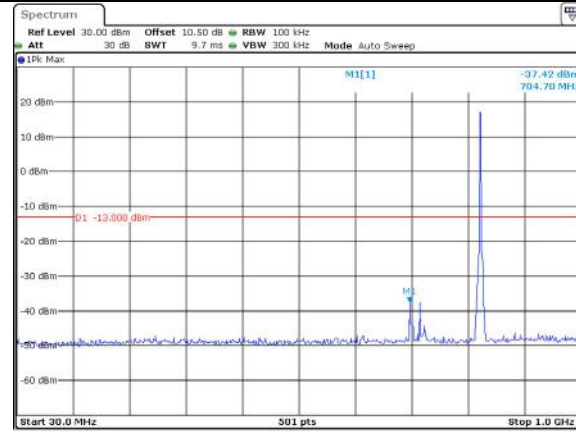
ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 23:30:57

Spurious Emissions at Antenna Terminal

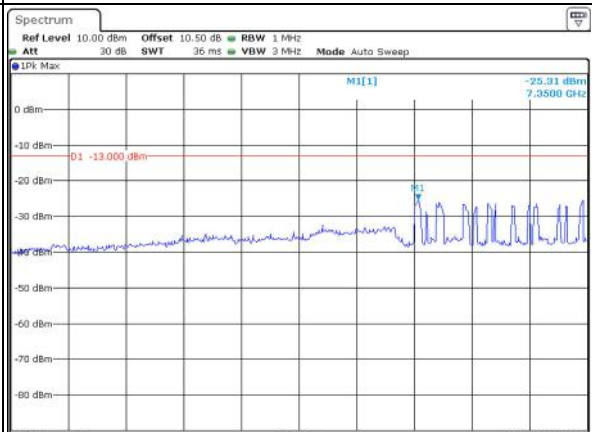
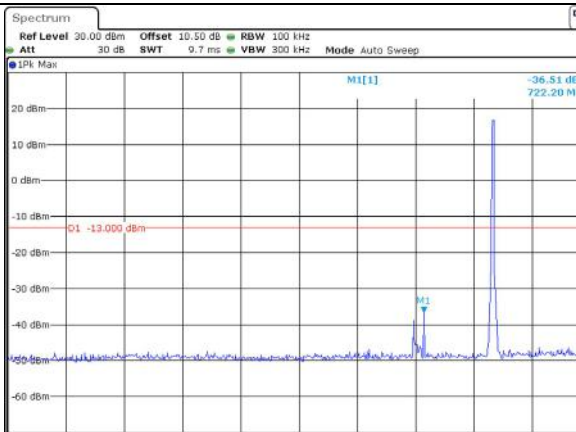
Channel

3MHz Bandwidth QPSK

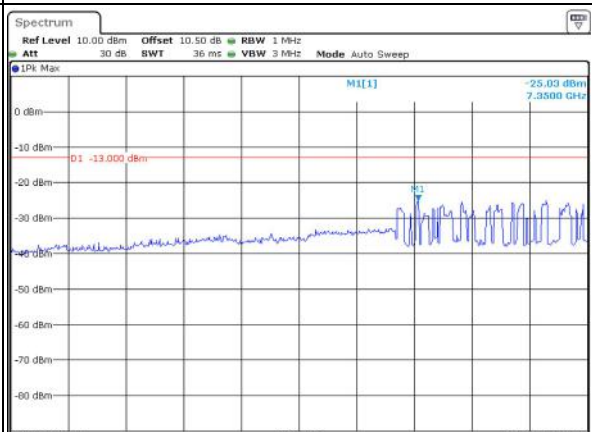
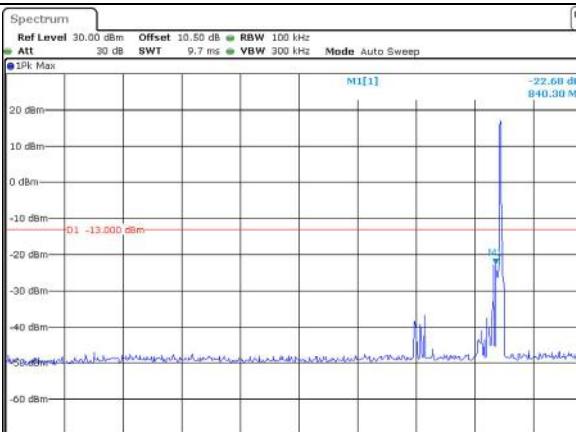
Lowest For 22H



Middle For 22H



Highest For 22H



Spurious Emissions at Antenna Terminal

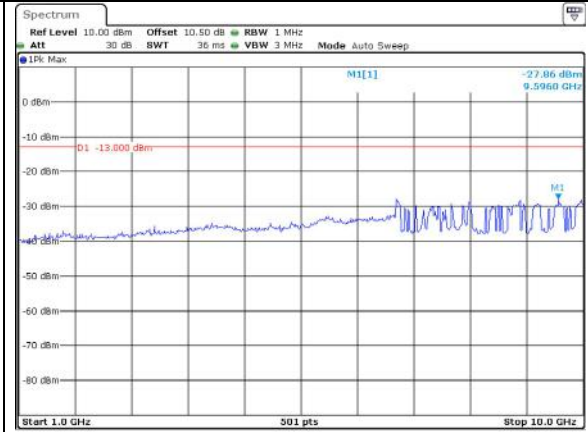
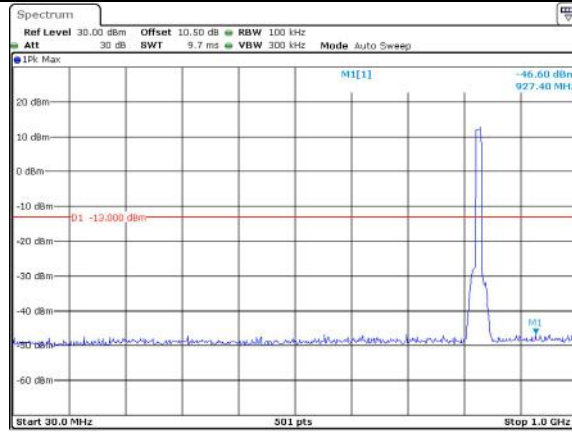
| Channel | 5MHz Bandwidth QPSK | |
|-----------------|--|--|
| Lowest For 22H | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:35:32</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:35:52</p> |
| Middle For 22H | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:36:33</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:36:53</p> |
| Highest For 22H | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:37:22</p> | <p>ProjectNo.:CR230957288 Tester:Ken Tang Date: 15.OCT.2023 23:37:51</p> |

Spurious Emissions at Antenna Terminal

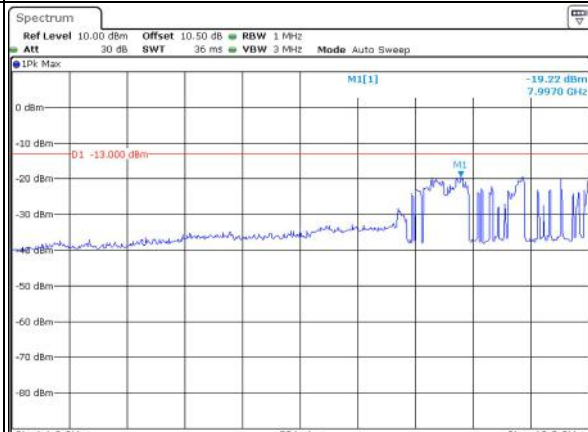
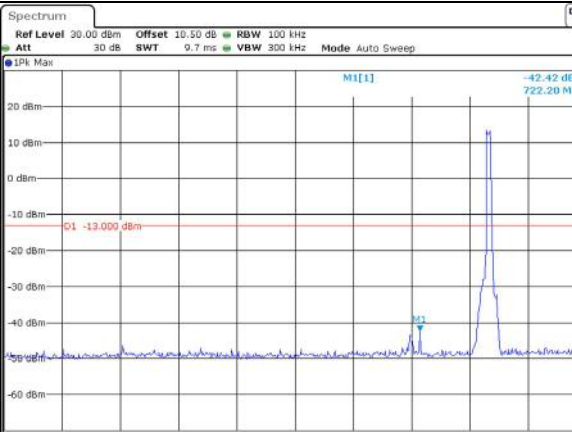
Channel

10MHz Bandwidth QPSK

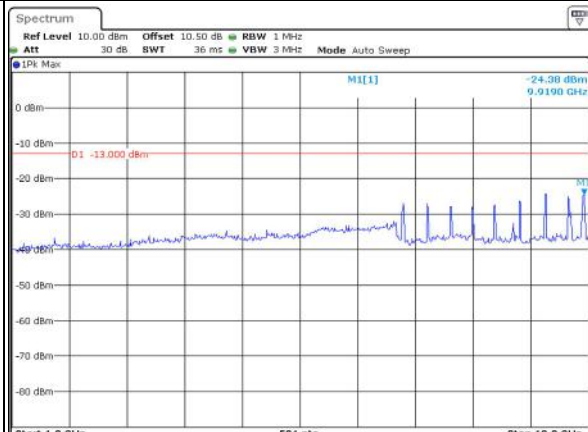
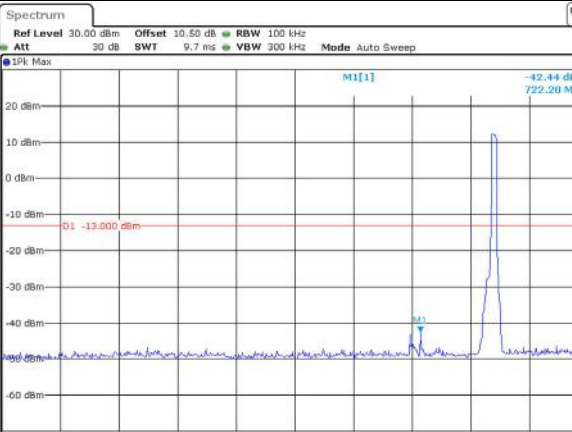
Lowest For 22H



Middle For 22H



Highest For 22H

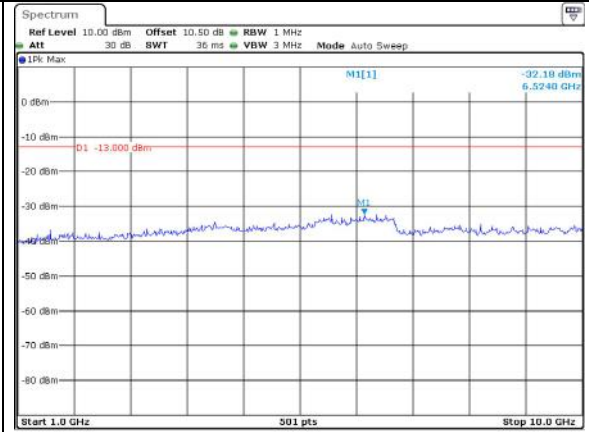
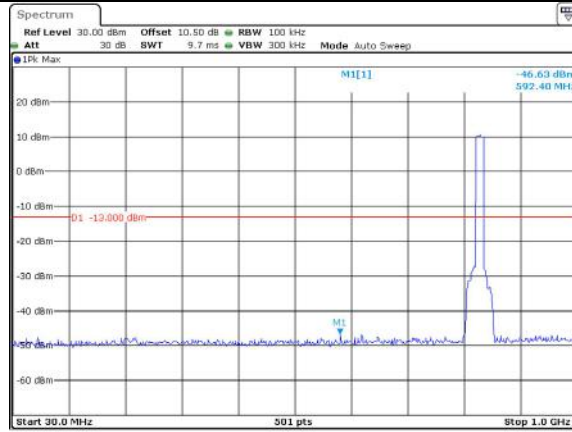


Spurious Emissions at Antenna Terminal

Channel

15MHz Bandwidth QPSK

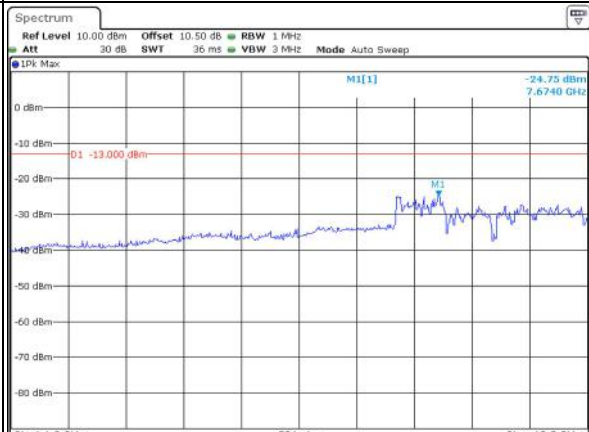
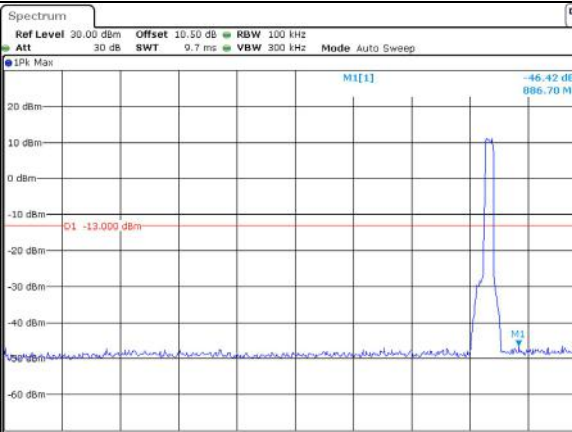
Lowest For 22H



ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 23:42:07

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 23:42:30

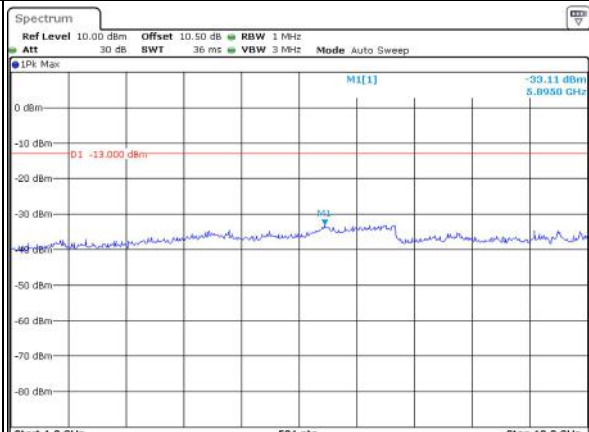
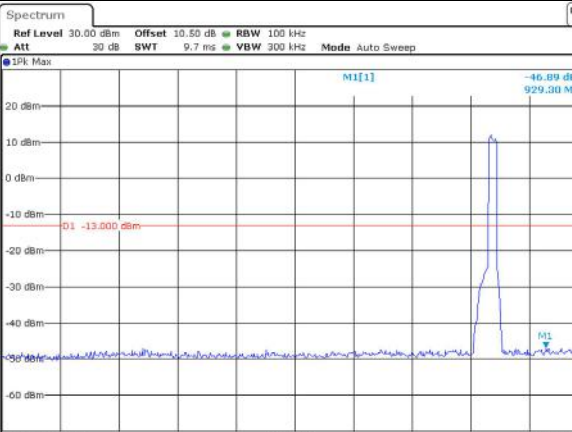
Middle For 22H



ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 23:43:02

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 23:43:11

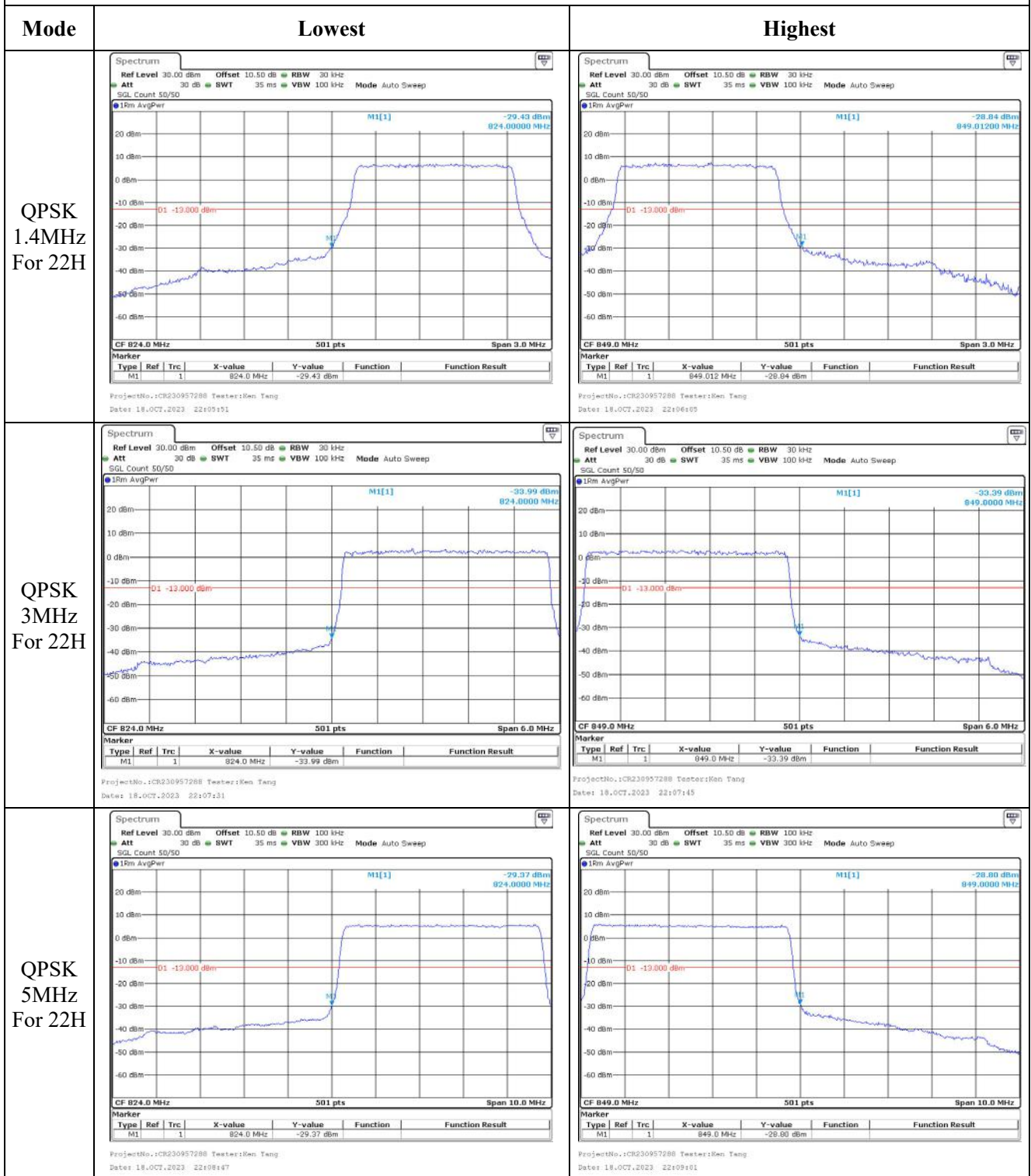
Highest For 22H



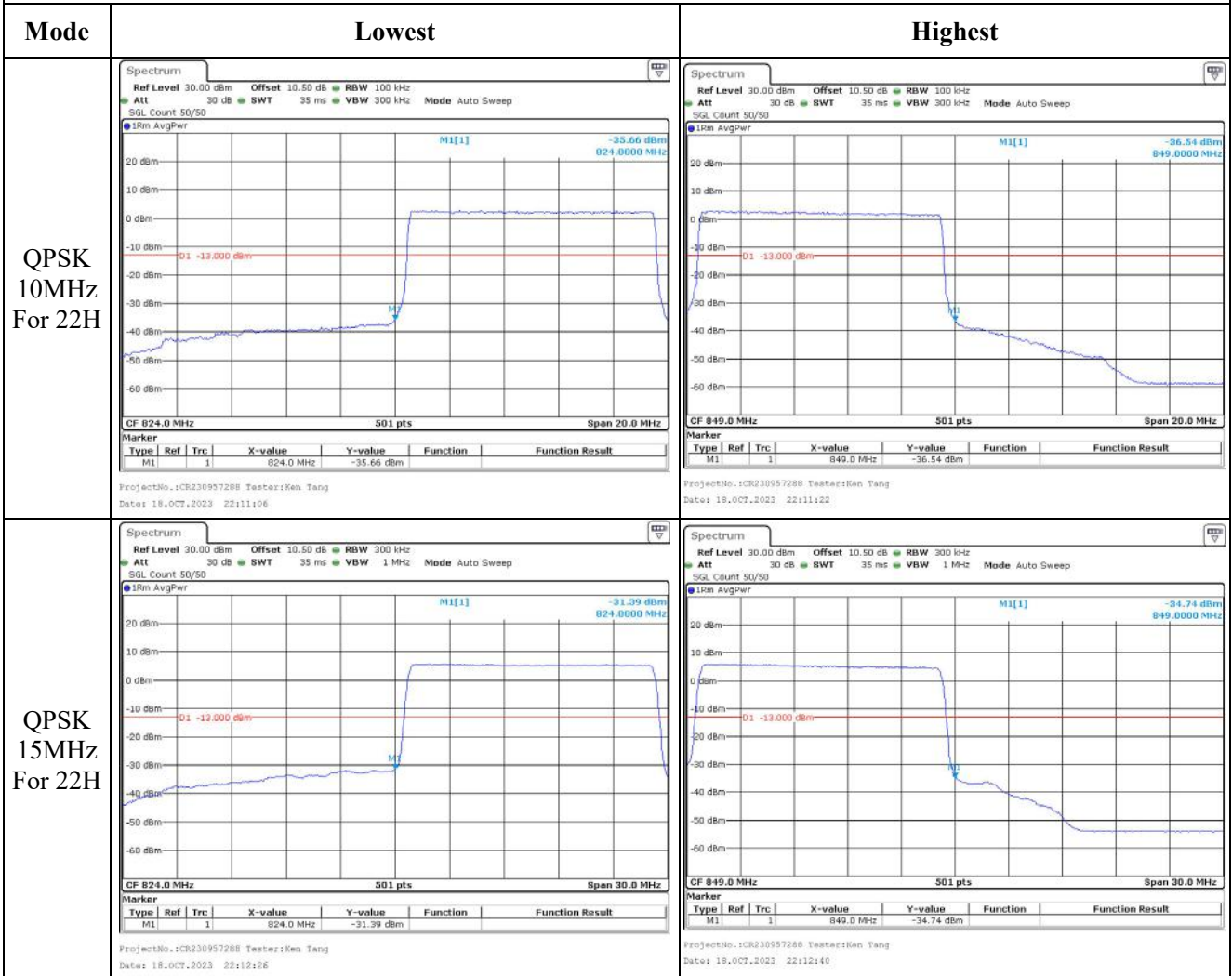
ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 23:44:02

ProjectNo.:CR230957288 Tester:Ken Tang
Date: 15.OCT.2023 23:44:25

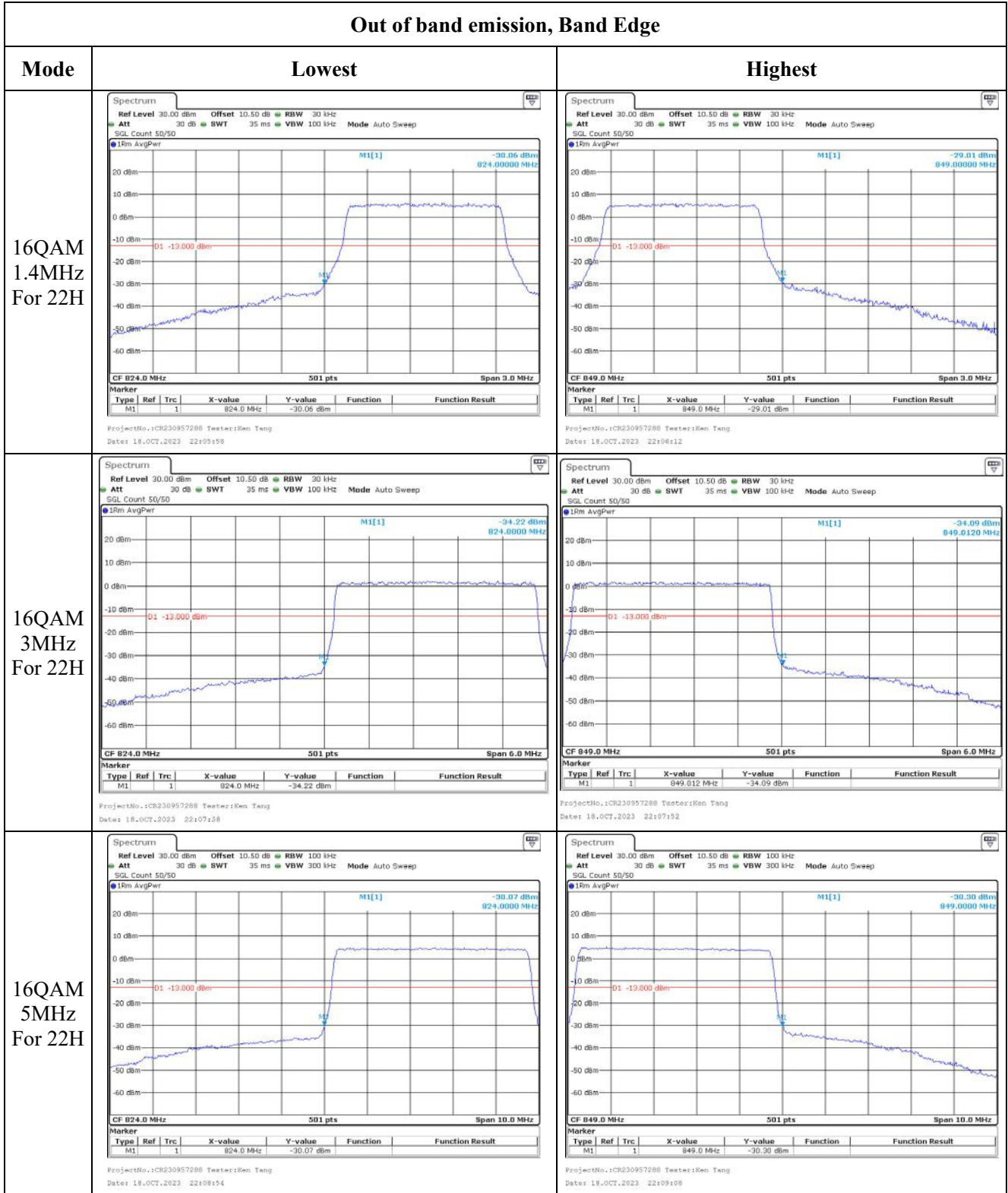
Out of band emission, Band Edge



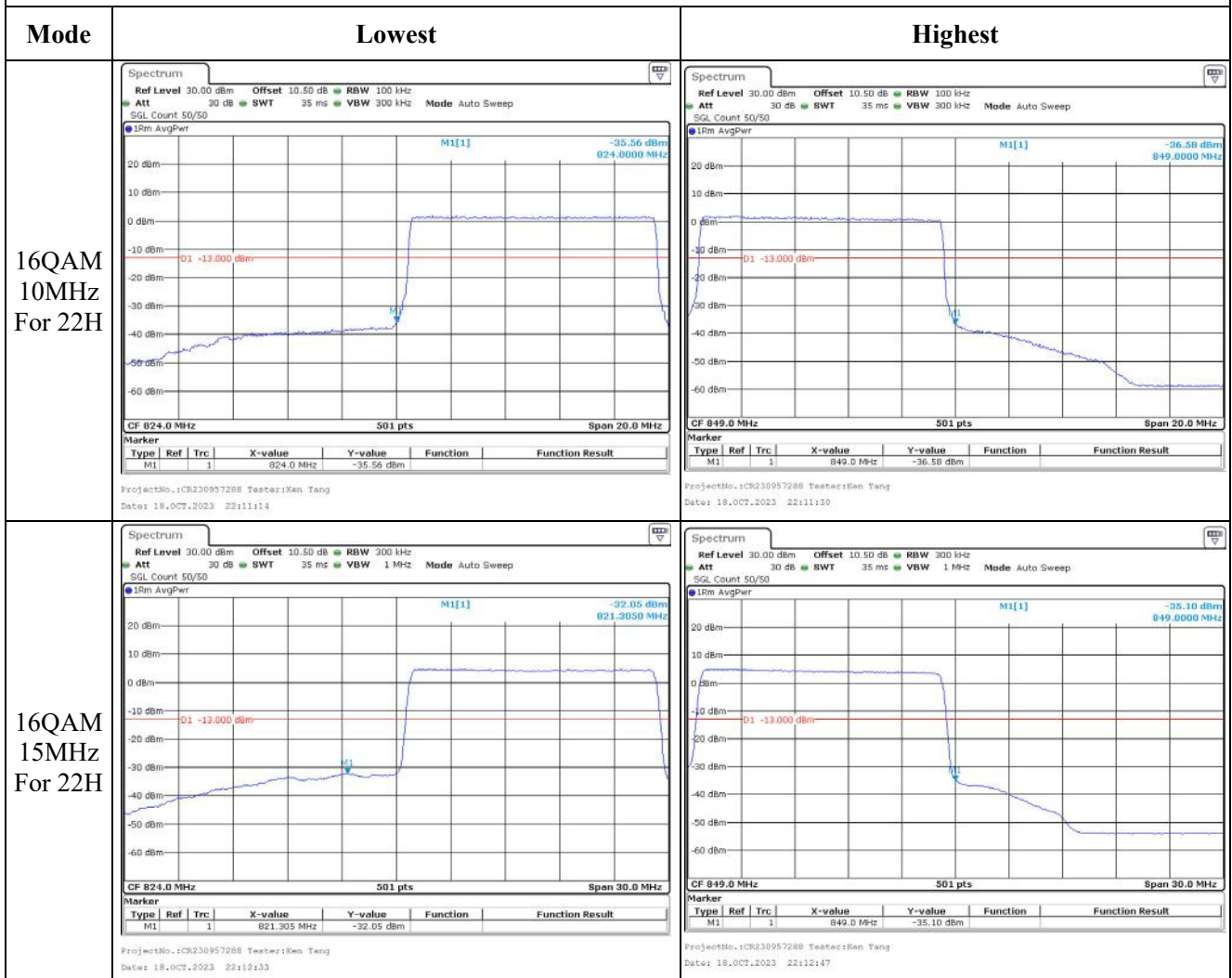
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.15 Antenna Port Test Data and Results for LTE Band 38

| | | | |
|----------------|----------|--------------|----------------------|
| Serial Number: | 2BUF-5 | Test Date: | 2023/10/17~2023/11/6 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | Ken Tang | Test Result: | Pass |

Environmental Conditions:

| | | | | | |
|----------------------|------|---------------------------|----|------------------------|-------|
| Temperature: (°C) | 25.6 | Relative Humidity: (%) | 48 | 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-N | 102259 | 2023/4/18 | 2024/4/17 |
| zhuoxiang | Coaxial Cable | SMA-178 | 211002 | Each time | N/A |
| Minl-Circuits | Power Splitter | ZFRSC-183-S+ | S F448201619 | Each time | N/A |
| R&S | Wideband Radio Communication Tester | CMW500 | 143458 | 2023/3/31 | 2024/3/30 |
| BACL | TEMP&HUMI Test Chamber | BTH-150-40 | 30174 | 2023/3/31 | 2024/3/30 |
| UNI-T | Multimeter | UT39A+ | C210582554 | 2023/9/28 | 2024/9/27 |
| 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 | 2572.5 | 2595 | 2617.5 |
| 10MHz | 2575 | 2595 | 2615 |
| 15MHz | 2577.5 | 2595 | 2612.5 |
| 20MHz | 2580 | 2595 | 2610 |

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 | 15.79 | 15.71 | 15.58 | 15.39 | 33 |
| | RB1#13 | 15.9 | 15.81 | 15.66 | | |
| | RB1#24 | 15.78 | 15.7 | 15.63 | | |
| | RB15#0 | 14.75 | 14.7 | 14.7 | | |
| | RB15#10 | 14.84 | 14.75 | 14.73 | | |
| | RB25#0 | 14.78 | 14.71 | 14.74 | | |
| 5MHz 16QAM | RB1#0 | 14.88 | 14.6 | 14.58 | 14.46 | 33 |
| | RB1#13 | 14.97 | 14.75 | 14.76 | | |
| | RB1#24 | 14.87 | 14.64 | 14.67 | | |
| | RB15#0 | 13.8 | 13.59 | 13.73 | | |
| | RB15#10 | 13.85 | 13.65 | 13.72 | | |
| | RB25#0 | 13.74 | 13.67 | 13.75 | | |
| 10MHz QPSK | RB1#0 | 15.97 | 15.71 | 15.66 | 15.72 | 33 |
| | RB1#25 | 16.23 | 15.97 | 15.94 | | |
| | RB1#49 | 15.95 | 15.68 | 15.66 | | |
| | RB25#0 | 14.73 | 14.63 | 14.73 | | |
| | RB25#25 | 14.91 | 14.68 | 14.66 | | |
| | RB50#0 | 14.55 | 14.61 | 14.67 | | |
| 10MHz 16QAM | RB1#0 | 14.67 | 14.79 | 14.58 | 14.53 | 33 |
| | RB1#25 | 14.93 | 15.04 | 14.81 | | |
| | RB1#49 | 14.72 | 14.82 | 14.58 | | |
| | RB25#0 | 13.65 | 13.6 | 13.78 | | |
| | RB25#25 | 13.77 | 13.66 | 13.69 | | |
| | RB50#0 | 13.74 | 13.61 | 13.7 | | |
| 15MHz QPSK | RB1#0 | 15.88 | 15.77 | 15.72 | 15.41 | 33 |
| | RB1#38 | 15.92 | 15.84 | 15.73 | | |
| | RB1#74 | 15.8 | 15.66 | 15.66 | | |
| | RB36#0 | 14.84 | 14.87 | 14.87 | | |
| | RB36#39 | 15 | 14.91 | 14.7 | | |
| | RB75#0 | 14.93 | 14.9 | 14.8 | | |
| 15MHz 16QAM | RB1#0 | 14.91 | 14.8 | 14.58 | 14.46 | 33 |
| | RB1#38 | 14.97 | 14.91 | 14.66 | | |
| | RB1#74 | 14.86 | 14.78 | 14.55 | | |
| | RB36#0 | 13.82 | 13.74 | 13.74 | | |
| | RB36#39 | 13.96 | 13.78 | 13.65 | | |
| | RB75#0 | 13.86 | 13.76 | 13.76 | | |
| 20MHz QPSK | RB1#0 | 15.66 | 15.73 | 15.63 | 15.66 | 33 |

| | | | | | | |
|-------------|---------|-------|-------|-------|-------|----|
| | RB1#50 | 16.1 | 16.17 | 16 | | |
| | RB1#99 | 15.64 | 15.66 | 15.53 | | |
| | RB50#0 | 14.67 | 14.66 | 14.78 | | |
| | RB50#50 | 14.88 | 14.73 | 14.54 | | |
| | RB100#0 | 14.78 | 14.69 | 14.7 | | |
| 20MHz 16QAM | RB1#0 | 14.55 | 14.84 | 14.57 | 14.73 | 33 |
| | RB1#50 | 14.98 | 15.24 | 15 | | |
| | RB1#99 | 14.52 | 14.81 | 14.59 | | |
| | RB50#0 | 13.71 | 13.66 | 13.77 | | |
| | RB50#50 | 13.89 | 13.7 | 13.57 | | |
| | RB100#0 | 13.66 | 13.50 | 13.73 | | |

Note: EIRP=Conducted Power(dBm) - Lc(dB) + G_T(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 | 9.53 | 8.51 | 6.94 | 13 |
| | RB100#0 | 7.33 | 6.77 | 7.21 | 13 |
| 20MHz 16QAM | RB1#0 | 9.84 | 7.51 | 8.57 | 13 |
| | RB100#0 | 8.25 | 7.19 | 8.12 | 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 | 4.511 | 4.511 | 4.511 | 4.980 | 4.940 | 5.280 |
| 5MHz 16QAM | 4.511 | 4.511 | 4.511 | 5.260 | 5.200 | 4.940 |
| 10MHz QPSK | 8.942 | 8.942 | 8.942 | 9.600 | 9.680 | 9.680 |
| 10MHz 16QAM | 8.942 | 8.942 | 8.942 | 9.720 | 9.480 | 9.480 |
| 15MHz QPSK | 13.533 | 13.473 | 13.473 | 15.600 | 15.240 | 14.580 |
| 15MHz 16QAM | 13.473 | 13.533 | 13.533 | 14.700 | 14.880 | 14.580 |
| 20MHz QPSK | 17.884 | 17.964 | 17.884 | 19.280 | 19.440 | 19.280 |
| 20MHz 16QAM | 17.964 | 17.884 | 17.884 | 19.200 | 19.200 | 19.360 |

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. |
|----------------|--|