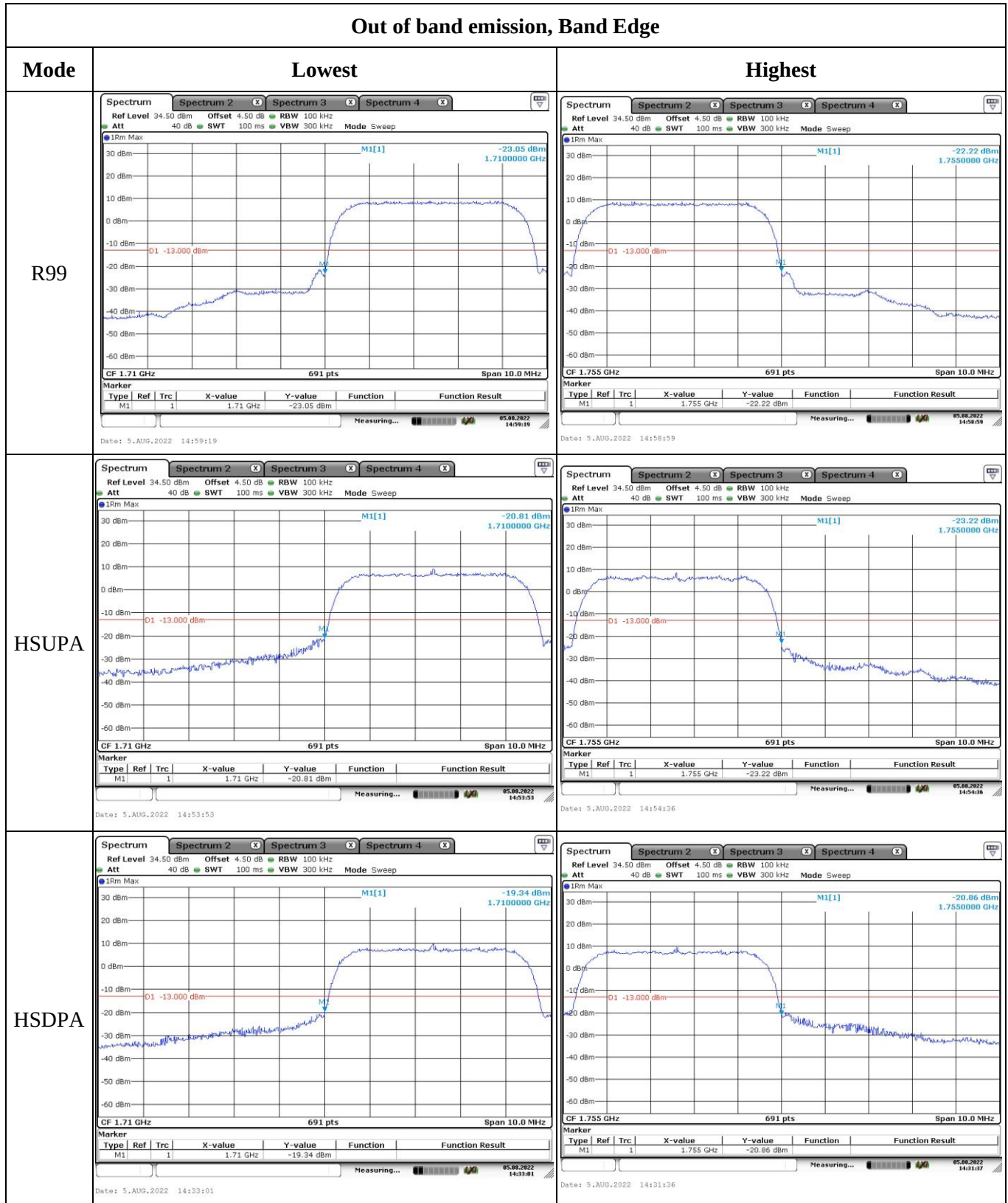


## Out of band emission, Band Edge



**4.5 Antenna Port Test Data and Results for WCDMA Band 5:**

|                |                  |              |              |
|----------------|------------------|--------------|--------------|
| Serial Number: | CR22070025-RF-S1 | Test Date:   | 2022-08-05   |
| Test Site:     | RF               | Test Mode:   | Transmitting |
| Tester:        | Rinka Li         | Test Result: | <b>Pass</b>  |

**Environmental Conditions:**

|                      |      |                           |      |                        |       |
|----------------------|------|---------------------------|------|------------------------|-------|
| Temperature:<br>(°C) | 28.4 | Relative Humidity:<br>(%) | 46.7 | ATM Pressure:<br>(kPa) | 100.5 |
|----------------------|------|---------------------------|------|------------------------|-------|

**Test Equipment List and Details:**

| Manufacturer  | Description                         | Model      | Serial Number   | Calibration Date | Calibration Due Date |
|---------------|-------------------------------------|------------|-----------------|------------------|----------------------|
| R&S           | Spectrum Analyzer                   | FSV40      | 101474          | 2022-07-15       | 2023-07-14           |
| zhuoxiang     | Coaxial Cable                       | SMA-178    | 211002          | Each time        | N/A                  |
| Mini-Circuits | DC Block                            | BLK-18-S+  | 1554404         | Each time        | N/A                  |
| Weinschel     | Coaxial Attenuators                 | 53-20-34   | LN751           | Each time        | N/A                  |
| Unknown       | Coaxial tee connector               | Unknown    | 2204006         | Each time        | N/A                  |
| R&S           | Wideband Radio Communication Tester | CMW500     | 149218          | 2022-07-15       | 2023-07-14           |
| UNI-T         | Multimeter                          | UT39A+     | C210582554      | 2021-09-30       | 2022-09-29           |
| BACL          | TEMP&HUMI Test Chamber              | BTH-150-40 | 30174           | 2022-04-06       | 2023-04-05           |
| 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).

**EUT Information@ WCDMA Band V▲:**

|                                 |     |                                 |       |                             |     |
|---------------------------------|-----|---------------------------------|-------|-----------------------------|-----|
| Antenna Gain<br>$G_T$<br>(dBi): | -2  | Antenna Gain<br>$G_T$<br>(dBd): | -4.15 | Path Loss<br>$L_C$<br>(dB): | 0.2 |
| Operation Voltage( $V_{DC}$ ):  |     |                                 |       |                             |     |
| Lowest:                         | 3.3 | Normal:                         | 3.8   | Highest:                    | 4.2 |

**Test Frequency For Each Mode:**

| Operation Modes | Lowest Frequency (MHz) | Middle Frequency (MHz) | Highest Frequency (MHz) |
|-----------------|------------------------|------------------------|-------------------------|
| WCDMA           | 826.4                  | 836.6                  | 846.6                   |

**Test Data:****FCC §2.1046; §22.913 (a)****RF Output Power:**

| Test Mode                                                                   | Conducted Average Output Power(dBm) |                |                 | Maximum ERP(dBm) | ERP Limit(dBm) |
|-----------------------------------------------------------------------------|-------------------------------------|----------------|-----------------|------------------|----------------|
|                                                                             | Lowest Channel                      | Middle Channel | Highest Channel |                  |                |
| WCDMA R99 Subtest 1                                                         | 22.32                               | 22.51          | 22.18           | 18.16            | 38.45          |
| HSDPA Subtest 1                                                             | 22.13                               | 22.14          | 22.13           | 17.79            | 38.45          |
| HSDPA Subtest 2                                                             | 21.98                               | 21.78          | 21.66           | 17.63            | 38.45          |
| HSDPA Subtest 3                                                             | 21.97                               | 21.47          | 21.28           | 17.62            | 38.45          |
| HSDPA Subtest 4                                                             | 21.63                               | 21.29          | 21.2            | 17.28            | 38.45          |
| HSUPA Subtest 1                                                             | 21.4                                | 21.29          | 20.74           | 17.05            | 38.45          |
| HSUPA Subtest 2                                                             | 21.32                               | 21.01          | 20.72           | 16.97            | 38.45          |
| HSUPA Subtest 3                                                             | 21.26                               | 20.58          | 20.66           | 16.91            | 38.45          |
| HSUPA Subtest 4                                                             | 21.18                               | 20.29          | 20.38           | 16.83            | 38.45          |
| HSUPA Subtest 5                                                             | 21.05                               | 20.19          | 20.09           | 16.7             | 38.45          |
| Note: ERP=Conducted Power(dBm) - L <sub>C</sub> (dB) + G <sub>T</sub> (dBd) |                                     |                |                 |                  |                |
|                                                                             |                                     |                |                 | <b>Result:</b>   | <b>Pass</b>    |

**Peak-to-average Ratio(PAR)**

| Test Mode | Peak-to-average Ratio(dB) |                |                 | Limit (dB)  |
|-----------|---------------------------|----------------|-----------------|-------------|
|           | Lowest Channel            | Middle Channel | Highest Channel |             |
| WCDMA R99 | 3.36                      | 2.7            | 3.19            | 13          |
| HSDPA     | 5.45                      | 5.88           | 5.54            | 13          |
| HSUPA     | 6.46                      | 6.29           | 6.52            | 13          |
|           |                           |                | <b>Result:</b>  | <b>Pass</b> |

**FCC §2.1049, §22.917, §22.905: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 |
| WCDMA R99                                                            | 4.182                        | 4.197          | 4.168        | 4.732                          | 4.805          | 4.703        |
| HSDPA                                                                | 4.226                        | 4.226          | 4.197        | 5.658                          | 5.253          | 5.137        |
| HSUPA                                                                | 4.197                        | 4.211          | 4.182        | 4.732                          | 4.776          | 4.732        |
| Note: The test plots please refer to the Plots of Occupied Bandwidth |                              |                |              |                                |                |              |

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

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

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

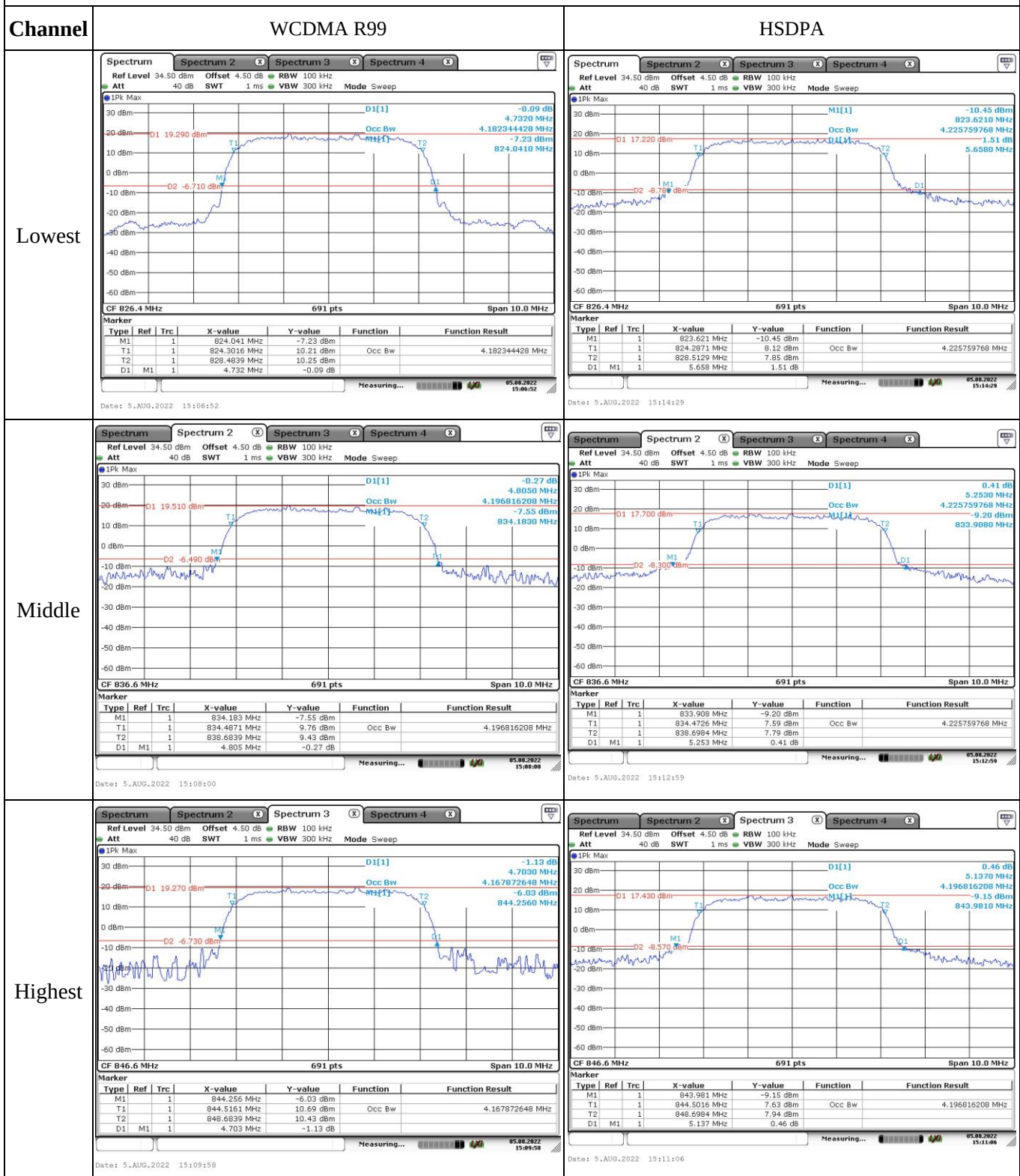
|                |                                                                                 |
|----------------|---------------------------------------------------------------------------------|
| <b>Result:</b> | <b>Pass, Please refer to the test plots of Out of band emission, Band Edge.</b>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

**FCC §2.1055, §22.355: Frequency Stability**

|                                     |                  |                            |                 |             |       |
|-------------------------------------|------------------|----------------------------|-----------------|-------------|-------|
| Test Modulation:                    | WCDMA R99        |                            | Test Channel:   | 836.6       | MHz   |
| Test Item                           | Temperature (°C) | Voltage (V <sub>DC</sub> ) | Frequency Error |             | Limit |
|                                     |                  |                            | (Hz)            | (ppm)       | (ppm) |
| Frequency Stability vs. Temperature | -30              | 3.8                        | 32              | 0.038       | 2.5   |
|                                     | -20              | 3.8                        | -45             | -0.054      | 2.5   |
|                                     | -10              | 3.8                        | 22              | 0.026       | 2.5   |
|                                     | 0                | 3.8                        | 11              | 0.013       | 2.5   |
|                                     | 10               | 3.8                        | -7              | -0.008      | 2.5   |
|                                     | 20               | 3.8                        | 64              | 0.077       | 2.5   |
|                                     | 30               | 3.8                        | -11             | -0.013      | 2.5   |
|                                     | 40               | 3.8                        | 35              | 0.042       | 2.5   |
|                                     | 50               | 3.8                        | -32             | -0.038      | 2.5   |
| Frequency Stability vs. Voltage     | 20               | 3.3                        | 1               | 0.001       | 2.5   |
|                                     | 20               | 4.2                        | 19              | 0.023       | 2.5   |
| <b>Result:</b>                      |                  |                            |                 | <b>Pass</b> |       |

## Test Plots:

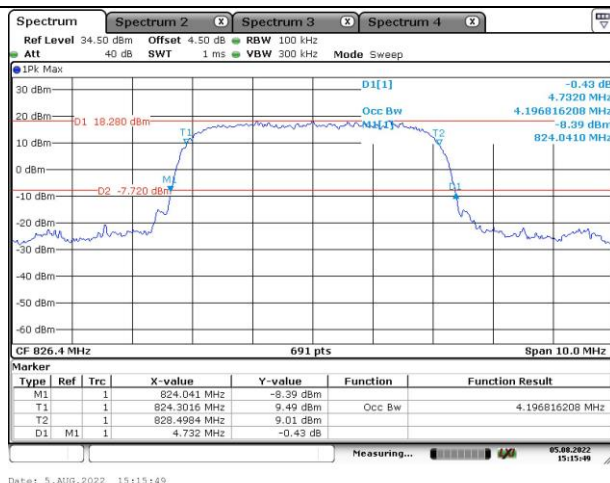
## Occupied Bandwidth



## Channel

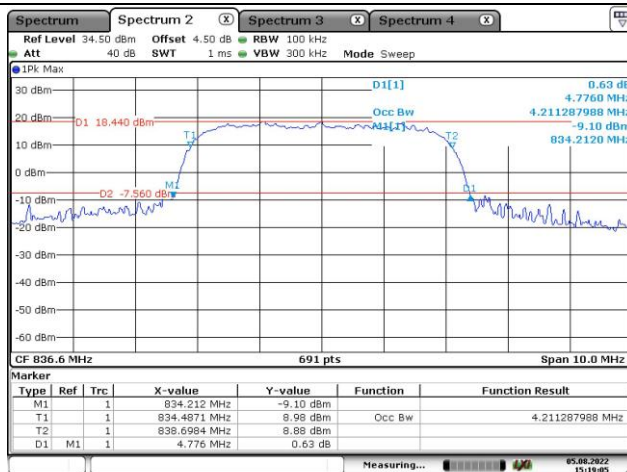
HSUPA

Lowest



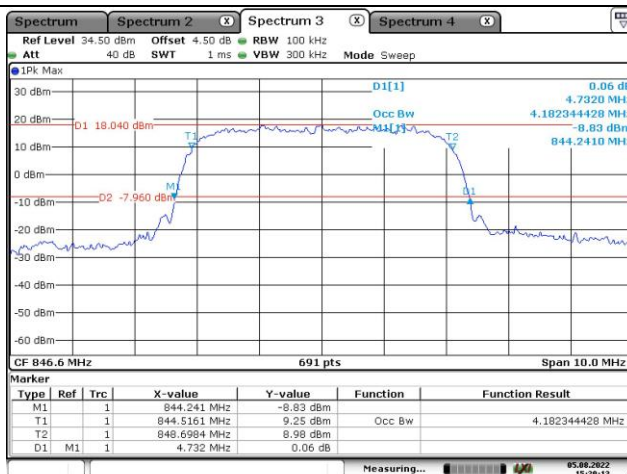
Date: 5.AUG.2022 15:15:49

Middle



Date: 5 AUG 2022 15:19:04

Highest



Date: 5 May 2022 15:20:12

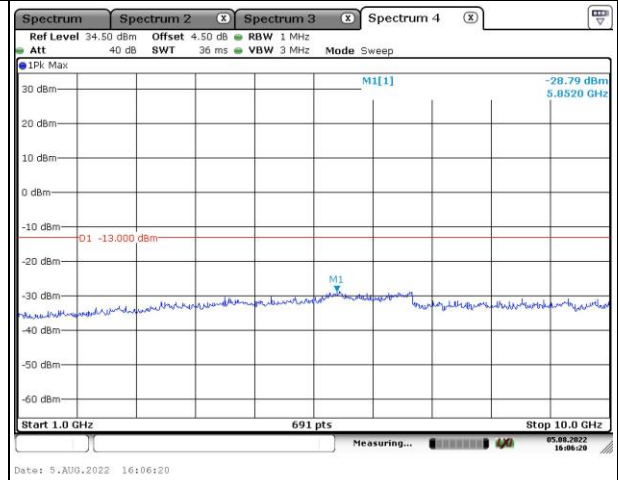
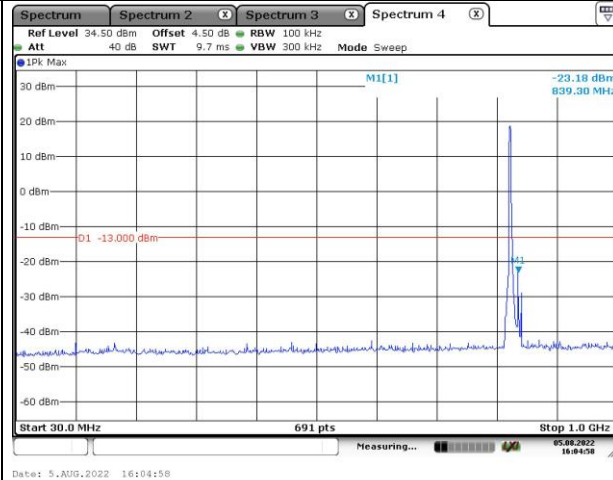


## Spurious Emissions at Antenna Terminal

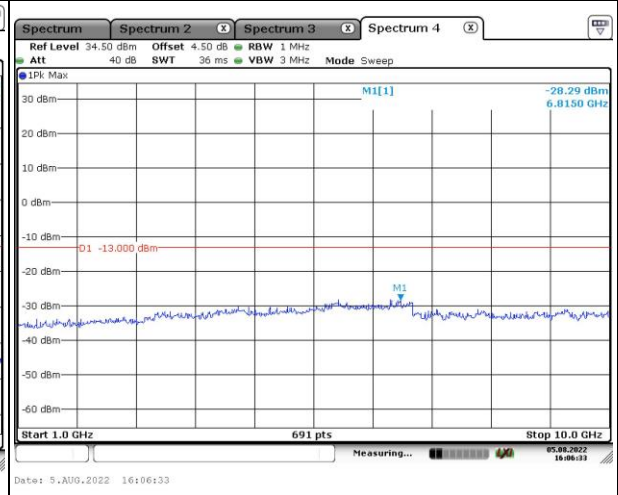
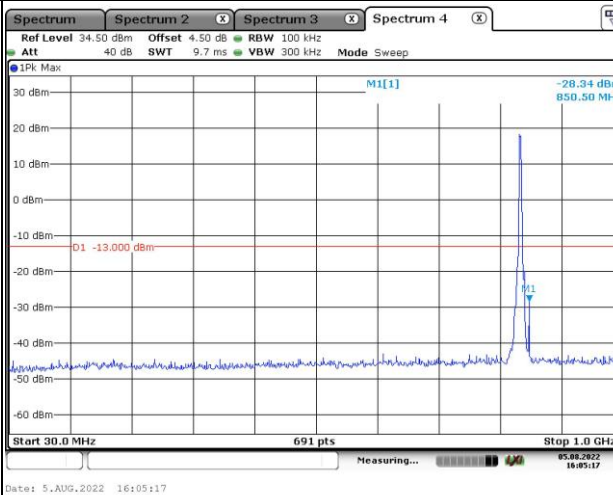
Channel

WCDMA R99

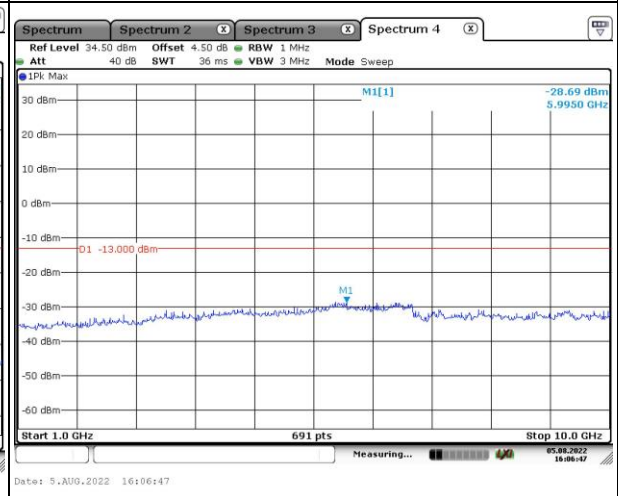
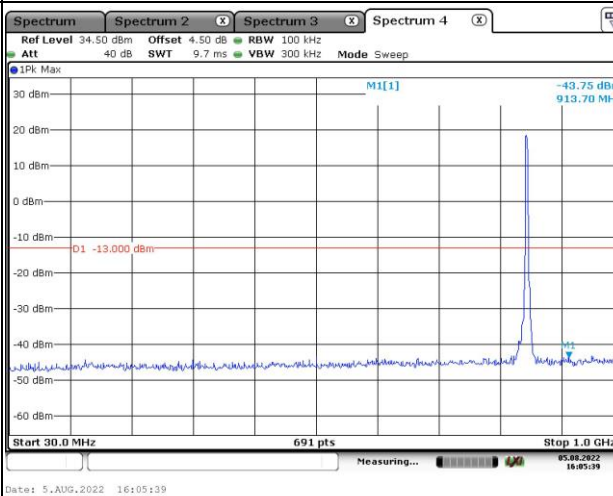
Lowest



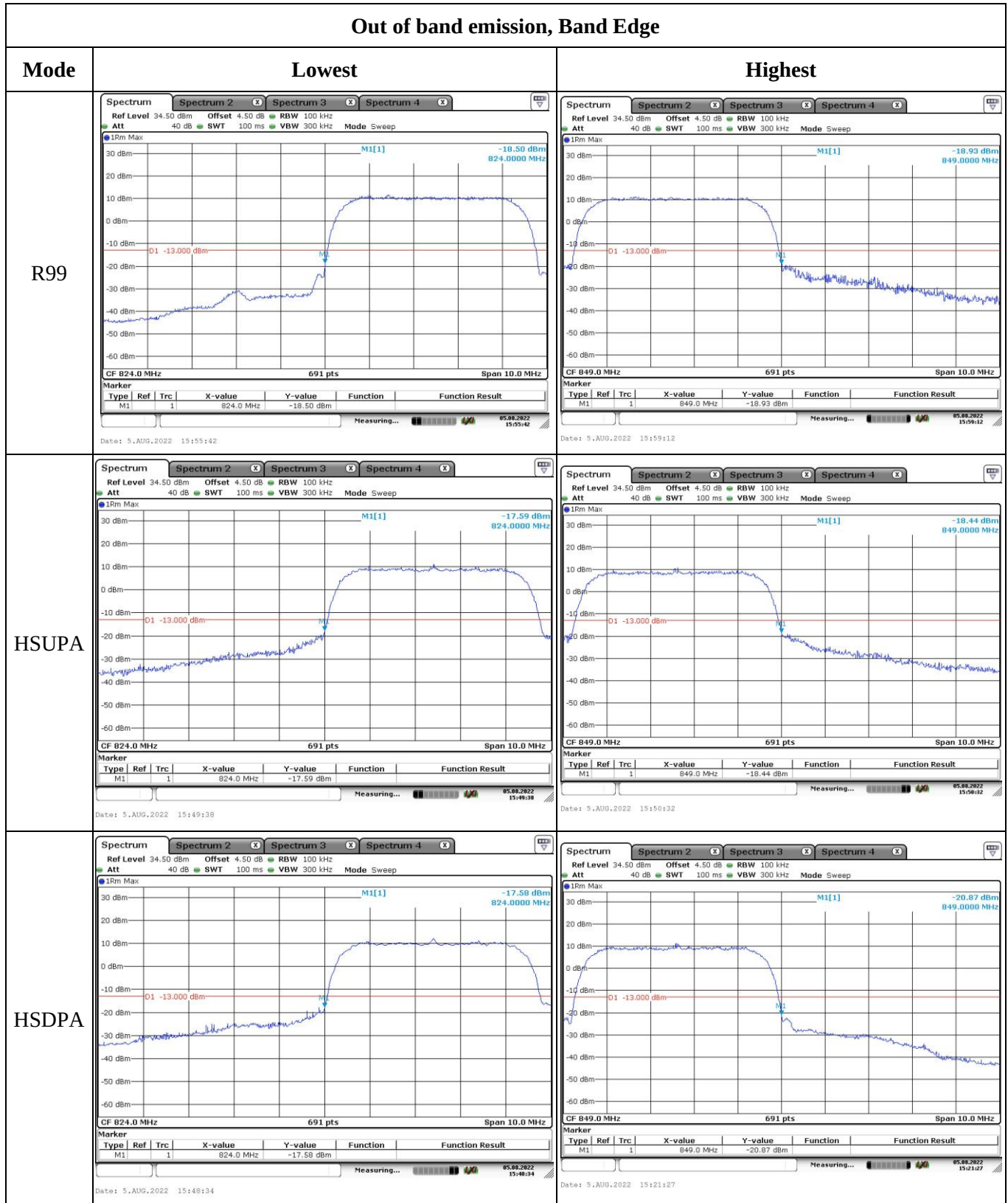
Middle



Highest



## Out of band emission, Band Edge





**4.6 Antenna Port Test Data and Results for LTE Band 2**

|                |                  |              |                       |
|----------------|------------------|--------------|-----------------------|
| Serial Number: | CR22070025-RF-S1 | Test Date:   | 2022-08-01~2022-08-02 |
| Test Site:     | RF               | Test Mode:   | Transmitting          |
| Tester:        | George Chen      | Test Result: | Pass                  |

**Environmental Conditions:**

|                      |           |                           |       |                        |             |
|----------------------|-----------|---------------------------|-------|------------------------|-------------|
| Temperature:<br>(°C) | 25.3~25.9 | Relative Humidity:<br>(%) | 52~62 | ATM Pressure:<br>(kPa) | 100.1~100.6 |
|----------------------|-----------|---------------------------|-------|------------------------|-------------|

**Test Equipment List and Details:**

| Manufacturer  | Description                         | Model      | Serial Number   | Calibration Date | Calibration Due Date |
|---------------|-------------------------------------|------------|-----------------|------------------|----------------------|
| R&S           | Spectrum Analyzer                   | FSV40      | 101474          | 2022-07-15       | 2023-07-14           |
| zhuoxiang     | Coaxial Cable                       | SMA-178    | 211002          | Each time        | N/A                  |
| Mini-Circuits | DC Block                            | BLK-18-S+  | 1554404         | Each time        | N/A                  |
| Weinschel     | Coaxial Attenuators                 | 53-20-34   | LN751           | Each time        | N/A                  |
| E-Microwave   | Two-way Splitter                    | ODP-1-6    | OE0120176       | Each time        | N/A                  |
| R&S           | Wideband Radio Communication Tester | CMW500     | 149218          | 2022-07-15       | 2023-07-14           |
| UNI-T         | Multimeter                          | UT39A+     | C210582554      | 2021-09-30       | 2022-09-29           |
| BACL          | TEMP&HUMI Test Chamber              | BTH-150-40 | 30174           | 2022-04-06       | 2023-04-05           |
| 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).

**EUT Information@ LTE Band 2▲:**

|                                 |     |                             |     |
|---------------------------------|-----|-----------------------------|-----|
| Antenna Gain<br>$G_T$<br>(dBi): | 2   | Path Loss<br>$L_C$<br>(dB): | 0.4 |
| Operation Voltage( $V_{DC}$ ):  |     |                             |     |
| Lowest:                         | 3.3 | Normal:                     | 3.8 |
|                                 |     | Highest:                    | 4.2 |

**Test Frequency For Each Mode:**

| Operation Bandwidth | Lowest Frequency (MHz) | Middle Frequency (MHz) | Highest Frequency (MHz) |
|---------------------|------------------------|------------------------|-------------------------|
| 1.4MHz              | 1850.7                 | 1880                   | 1909.3                  |
| 3MHz                | 1851.5                 | 1880                   | 1908.5                  |
| 5MHz                | 1852.5                 | 1880                   | 1907.5                  |
| 10MHz               | 1855                   | 1880                   | 1905                    |
| 15MHz               | 1857.5                 | 1880                   | 1902.5                  |
| 20MHz               | 1860                   | 1880                   | 1900                    |

**Test Data:****FCC §2.1046; § 24.232****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                      | 23.7                                | 23.61          | 23.56           | 25.46              | 33               |
|                             | RB1#3                      | 23.86                               | 23.79          | 23.76           |                    |                  |
|                             | RB1#5                      | 23.7                                | 23.59          | 23.59           |                    |                  |
|                             | RB3#0                      | 23.84                               | 23.75          | 23.73           |                    |                  |
|                             | RB3#3                      | 23.82                               | 23.73          | 23.72           |                    |                  |
|                             | RB6#0                      | 22.81                               | 22.76          | 22.61           |                    |                  |
| 1.4MHz 16QAM                | RB1#0                      | 22.79                               | 22.72          | 22.73           | 24.58              | 33               |
|                             | RB1#3                      | 22.98                               | 22.85          | 22.89           |                    |                  |
|                             | RB1#5                      | 22.85                               | 22.73          | 22.72           |                    |                  |
|                             | RB3#0                      | 22.93                               | 22.94          | 22.68           |                    |                  |
|                             | RB3#3                      | 22.89                               | 22.95          | 22.75           |                    |                  |
|                             | RB6#0                      | 21.79                               | 21.78          | 21.72           |                    |                  |
| 3MHz QPSK                   | RB1#0                      | 23.78                               | 23.66          | 23.58           | 25.38              | 33               |
|                             | RB1#8                      | 23.75                               | 23.65          | 23.62           |                    |                  |
|                             | RB1#14                     | 23.71                               | 23.63          | 23.65           |                    |                  |
|                             | RB6#0                      | 22.74                               | 22.67          | 22.57           |                    |                  |
|                             | RB6#9                      | 22.77                               | 22.68          | 22.59           |                    |                  |
|                             | RB15#0                     | 22.81                               | 22.76          | 22.68           |                    |                  |
| 3MHz 16QAM                  | RB1#0                      | 22.9                                | 23.29          | 22.75           | 24.89              | 33               |
|                             | RB1#8                      | 22.84                               | 23.25          | 22.81           |                    |                  |
|                             | RB1#14                     | 22.79                               | 23.2           | 22.81           |                    |                  |
|                             | RB6#0                      | 21.73                               | 21.79          | 21.66           |                    |                  |
|                             | RB6#9                      | 21.71                               | 21.77          | 21.71           |                    |                  |
|                             | RB15#0                     | 21.85                               | 21.81          | 21.67           |                    |                  |
| 5MHz QPSK                   | RB1#0                      | 23.72                               | 23.6           | 23.44           | 25.41              | 33               |
|                             | RB1#13                     | 23.81                               | 23.76          | 23.65           |                    |                  |
|                             | RB1#24                     | 23.61                               | 23.59          | 23.54           |                    |                  |
|                             | RB15#0                     | 22.78                               | 22.76          | 22.71           |                    |                  |
|                             | RB15#10                    | 22.76                               | 22.76          | 22.68           |                    |                  |
|                             | RB25#0                     | 22.82                               | 22.75          | 22.66           |                    |                  |
| 5MHz 16QAM                  | RB1#0                      | 23.01                               | 22.73          | 22.39           | 24.71              | 33               |
|                             | RB1#13                     | 23.11                               | 22.84          | 22.56           |                    |                  |
|                             | RB1#24                     | 22.95                               | 22.68          | 22.45           |                    |                  |
|                             | RB15#0                     | 21.81                               | 21.81          | 21.79           |                    |                  |
|                             | RB15#10                    | 21.79                               | 21.8           | 21.75           |                    |                  |
|                             | RB25#0                     | 21.8                                | 21.78          | 21.78           |                    |                  |

Page 59 of 196

| <b>Peak-to-average Ratio(PAR)</b> |                            |                           |                |                 |             |
|-----------------------------------|----------------------------|---------------------------|----------------|-----------------|-------------|
| Test Bandwidth & Modulation       | Resource Block & RB offset | Peak-to-average Ratio(dB) |                |                 | Limit (dB)  |
|                                   |                            | Lowest Channel            | Middle Channel | Highest Channel |             |
| 20MHz QPSK                        | RB1#0                      | 5.28                      | 4.35           | 4.64            | 13          |
|                                   | RB100#0                    | 5.71                      | 4.93           | 4.99            | 13          |
| 20MHz 16QAM                       | RB1#0                      | 6                         | 4.84           | 5.62            | 13          |
|                                   | RB100#0                    | 6.61                      | 5.86           | 6               | 13          |
| <b>Result:</b>                    |                            |                           |                |                 | <b>Pass</b> |

| <b>FCC §2.1049, §24.238:Occupied Bandwidth</b>                       |                              |                |              |                                |                |              |
|----------------------------------------------------------------------|------------------------------|----------------|--------------|--------------------------------|----------------|--------------|
| 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          | 1.108        | 1.296                          | 1.314          | 1.32         |
| 1.4MHz 16QAM                                                         | 1.096                        | 1.102          | 1.096        | 1.302                          | 1.332          | 1.29         |
| 3MHz QPSK                                                            | 2.683                        | 2.683          | 2.695        | 2.892                          | 2.88           | 2.868        |
| 3MHz 16QAM                                                           | 2.683                        | 2.683          | 2.683        | 2.868                          | 2.892          | 2.892        |
| 5MHz QPSK                                                            | 4.491                        | 4.531          | 4.511        | 4.92                           | 4.94           | 4.94         |
| 5MHz 16QAM                                                           | 4.511                        | 4.491          | 4.511        | 4.98                           | 4.94           | 5.52         |
| 10MHz QPSK                                                           | 8.942                        | 8.982          | 8.942        | 9.68                           | 9.72           | 9.72         |
| 10MHz 16QAM                                                          | 8.942                        | 8.942          | 8.942        | 9.64                           | 9.52           | 9.6          |
| 15MHz QPSK                                                           | 13.473                       | 13.593         | 13.473       | 14.82                          | 14.94          | 14.76        |
| 15MHz 16QAM                                                          | 13.533                       | 13.473         | 13.533       | 14.76                          | 14.76          | 14.76        |
| 20MHz QPSK                                                           | 17.964                       | 17.964         | 17.964       | 19.68                          | 19.28          | 19.28        |
| 20MHz 16QAM                                                          | 17.964                       | 17.964         | 17.964       | 19.36                          | 19.36          | 19.44        |
| Note: The test plots please refer to the Plots of Occupied Bandwidth |                              |                |              |                                |                |              |

| <b>FCC §2.1051, §24.238 (a):Spurious Emissions at Antenna Terminal</b> |                                                                                        |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>Result:</b>                                                         | <b>Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.</b> |

| <b>FCC §2.1051, §24.238 (a):Out of band emission, Band Edge</b> |                                                                                 |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>Result:</b>                                                  | <b>Pass, Please refer to the test plots of Out of band emission, Band Edge.</b> |

| <b>FCC §2.1055, §24.235: Frequency Stability</b> |                     |                               |                 |                |             |
|--------------------------------------------------|---------------------|-------------------------------|-----------------|----------------|-------------|
| Test Mode:                                       | 20 MHz QPSK         |                               | Test Channel:   | 1880           | MHz         |
| Test Item                                        | Temperature<br>(°C) | Voltage<br>(V <sub>DC</sub> ) | Frequency Error |                | Result      |
|                                                  |                     |                               | (Hz)            | (ppm)          |             |
| Frequency<br>Stability vs.<br>Temperature        | -30                 | 3.8                           | -8.23           | -0.004         | Pass        |
|                                                  | -20                 | 3.8                           | -9.97           | -0.005         | Pass        |
|                                                  | -10                 | 3.8                           | -6.13           | -0.003         | Pass        |
|                                                  | 0                   | 3.8                           | 6.17            | 0.003          | Pass        |
|                                                  | 10                  | 3.8                           | 7.92            | 0.004          | Pass        |
|                                                  | 20                  | 3.8                           | 6.46            | 0.003          | Pass        |
|                                                  | 30                  | 3.8                           | -6.52           | -0.003         | Pass        |
|                                                  | 40                  | 3.8                           | 7.18            | 0.004          | Pass        |
|                                                  | 50                  | 3.8                           | -9.69           | -0.005         | Pass        |
| Frequency<br>Stability vs.<br>Voltage            | 20                  | 3.3                           | -8.17           | -0.004         | Pass        |
|                                                  | 20                  | 4.2                           | -7.05           | -0.004         | Pass        |
|                                                  |                     |                               |                 | <b>Result:</b> | <b>Pass</b> |

| Test Mode:                                | 20 MHz 16QAM        |                               | Test Channel:   | 1880           | MHz         |
|-------------------------------------------|---------------------|-------------------------------|-----------------|----------------|-------------|
| Test Item                                 | Temperature<br>(°C) | Voltage<br>(V <sub>DC</sub> ) | Frequency Error |                | Result      |
|                                           |                     |                               | (Hz)            | (ppm)          |             |
| Frequency<br>Stability vs.<br>Temperature | -30                 | 3.8                           | -4.92           | -0.003         | Pass        |
|                                           | -20                 | 3.8                           | -6.68           | -0.004         | Pass        |
|                                           | -10                 | 3.8                           | 9.77            | 0.005          | Pass        |
|                                           | 0                   | 3.8                           | -7.62           | -0.004         | Pass        |
|                                           | 10                  | 3.8                           | -9.91           | -0.005         | Pass        |
|                                           | 20                  | 3.8                           | -9.82           | -0.005         | Pass        |
|                                           | 30                  | 3.8                           | -6.68           | -0.004         | Pass        |
|                                           | 40                  | 3.8                           | -8.85           | -0.005         | Pass        |
|                                           | 50                  | 3.8                           | 5.67            | 0.003          | Pass        |
| Frequency<br>Stability vs.<br>Voltage     | 20                  | 3.3                           | 6.05            | 0.003          | Pass        |
|                                           | 20                  | 4.2                           | 7.52            | 0.004          | Pass        |
|                                           |                     |                               |                 | <b>Result:</b> | <b>Pass</b> |

## Test Plots:

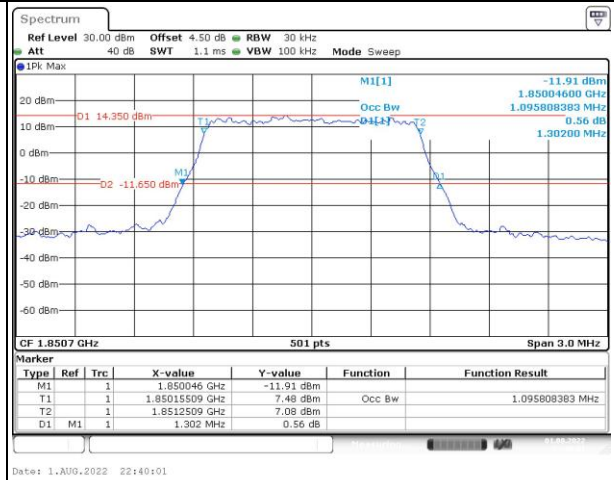
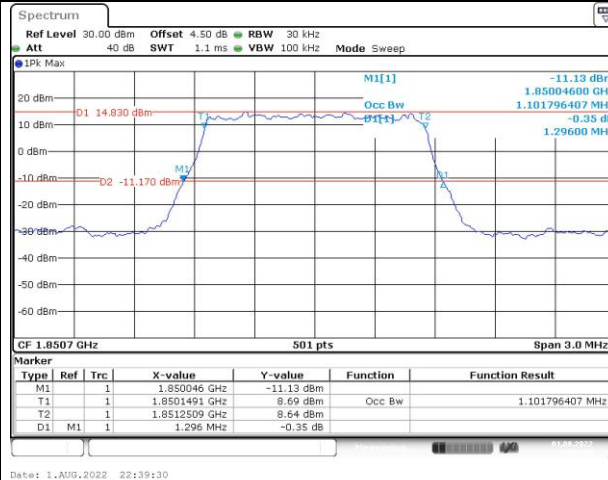
## Occupied Bandwidth

## Channel

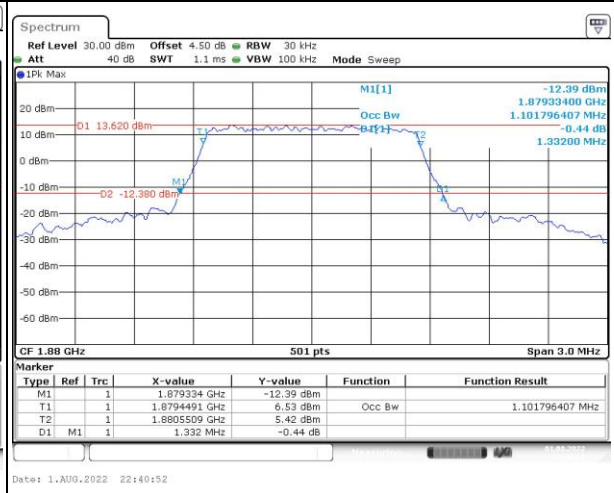
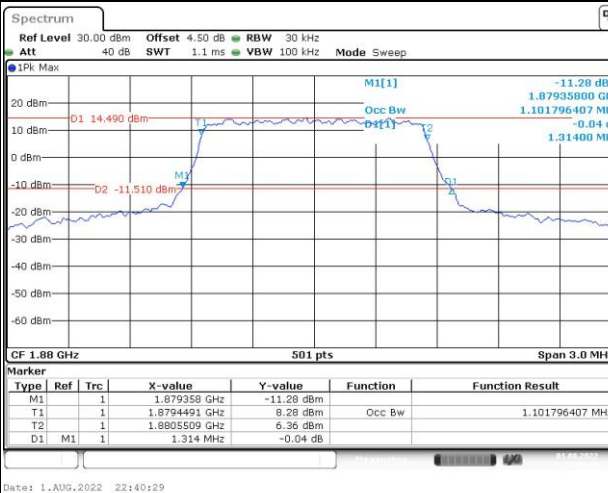
1.4MHz Bandwidth QPSK

1.4MHz Bandwidth 16QAM

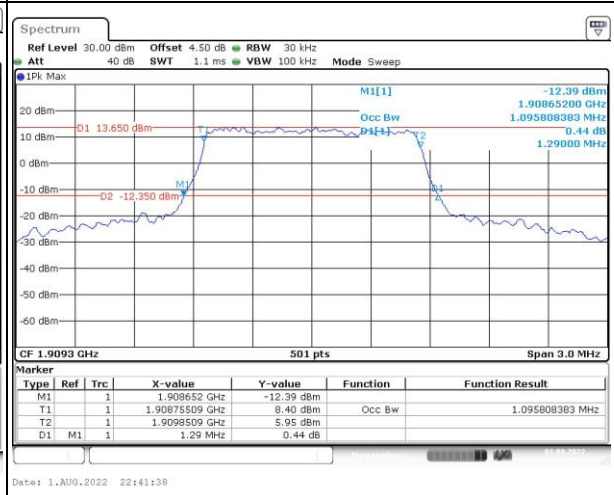
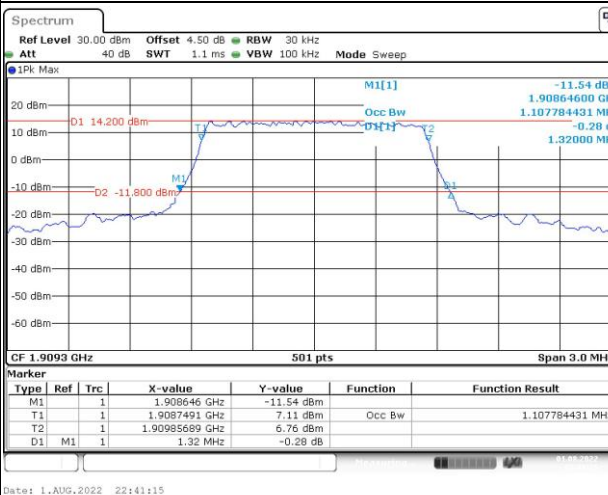
Lowest



Middle



Highest





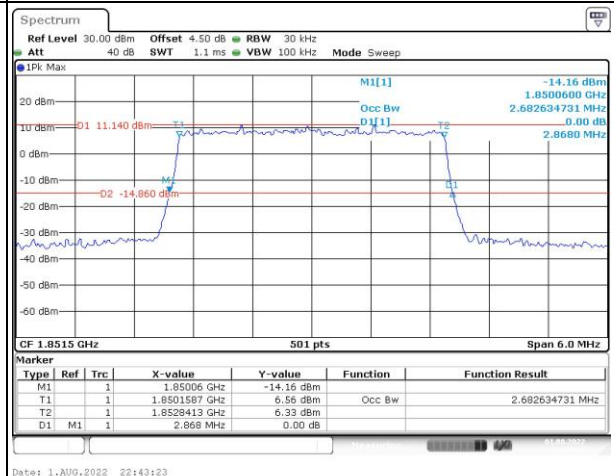
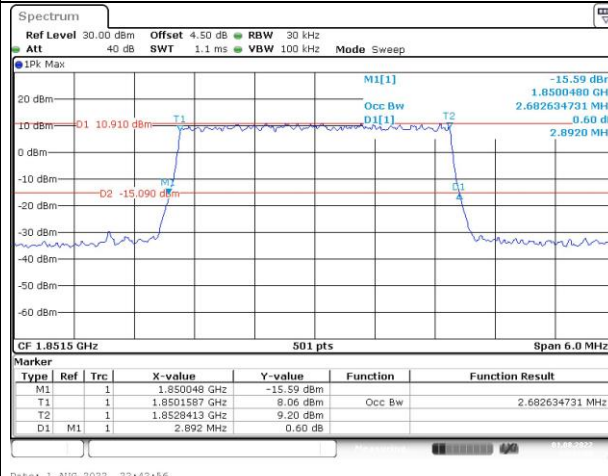
## Occupied Bandwidth

## Channel

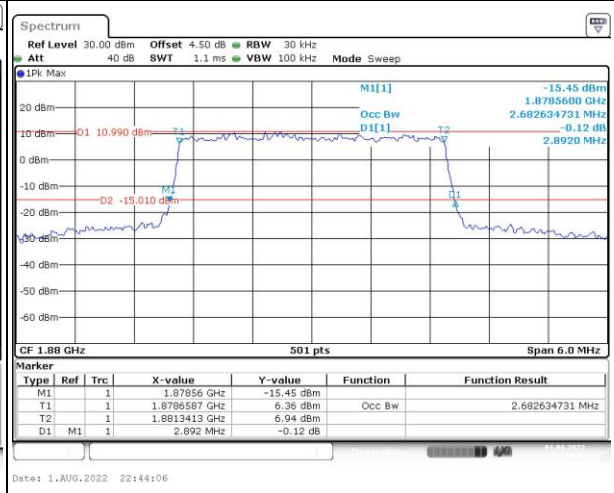
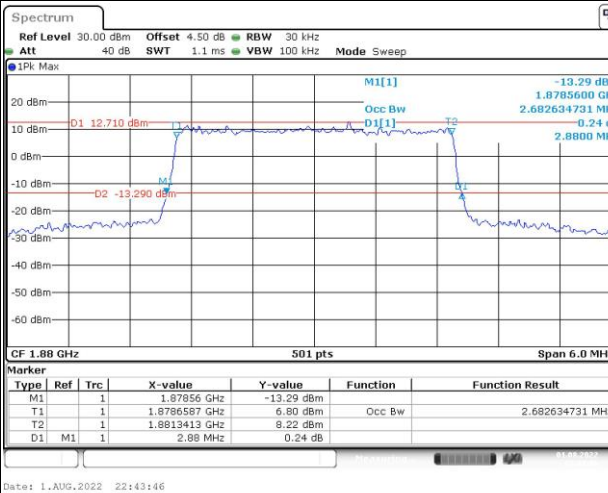
## 3MHz Bandwidth QPSK

## 3MHz Bandwidth 16QAM

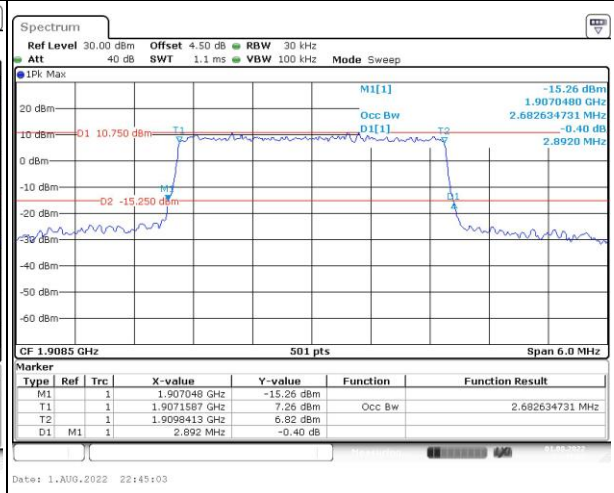
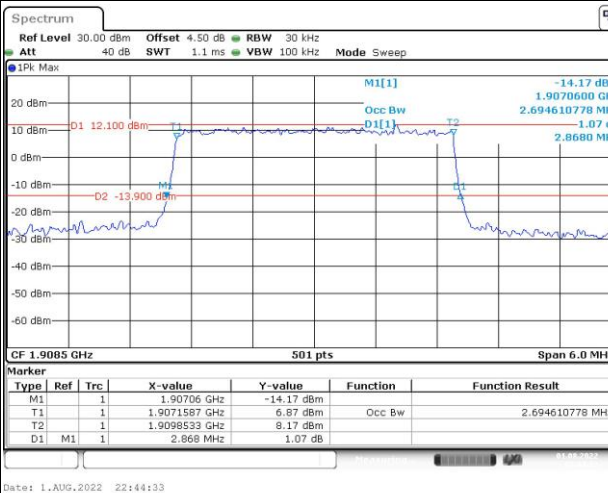
## Lowest



## Middle



## Highest



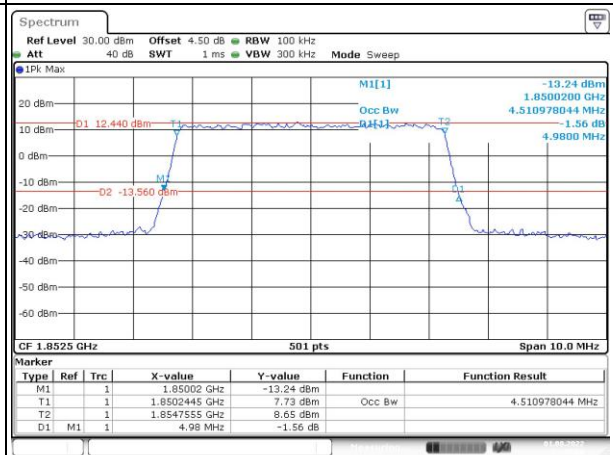
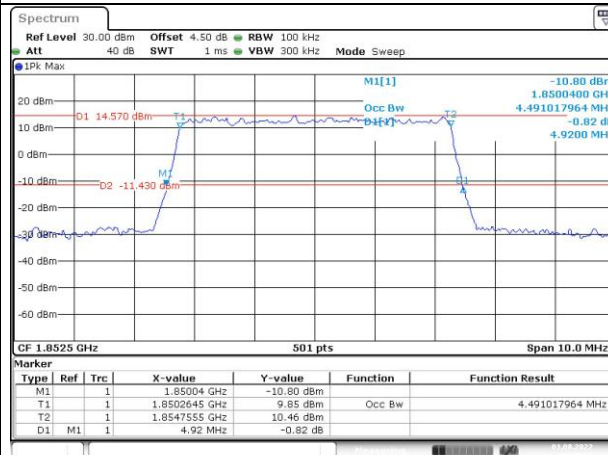
## Occupied Bandwidth

Channel

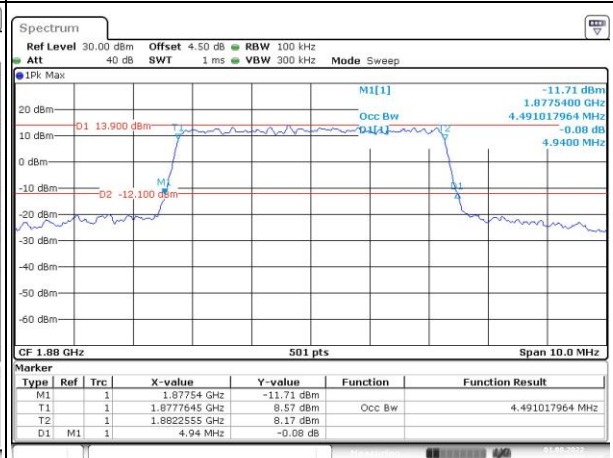
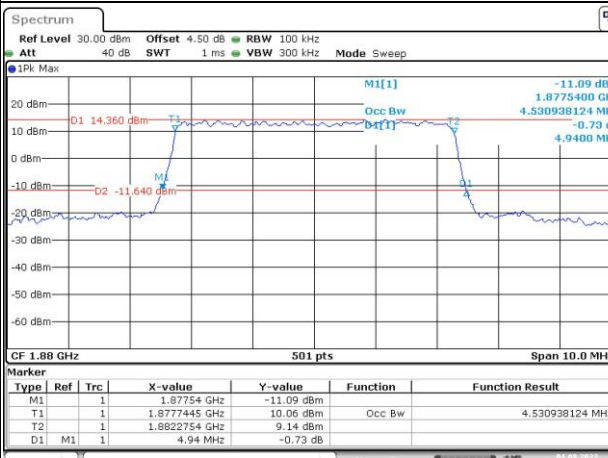
5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

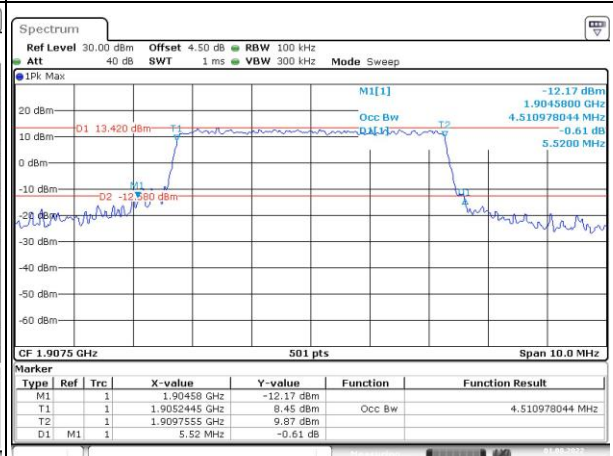
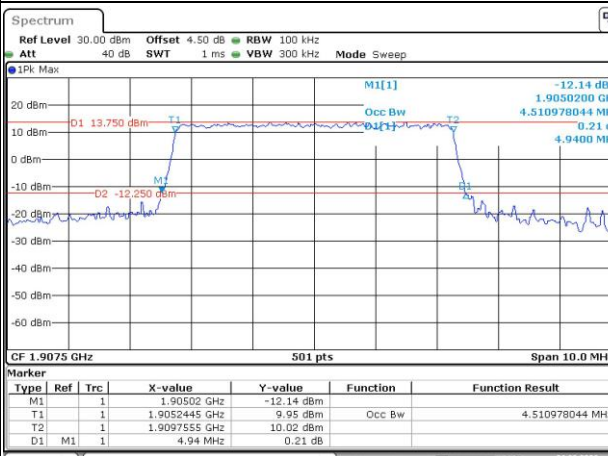
Lowest



Middle



Highest



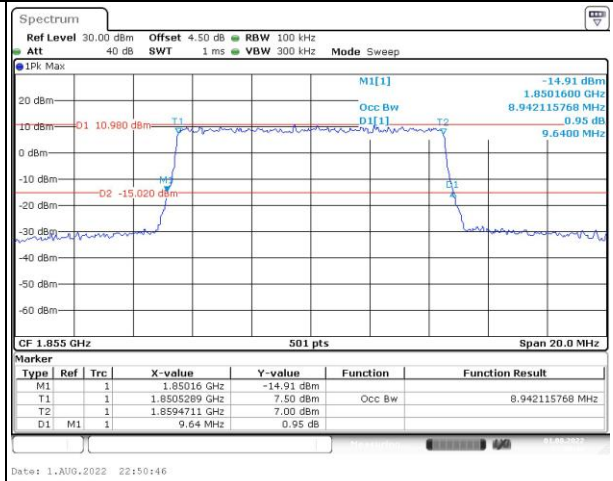
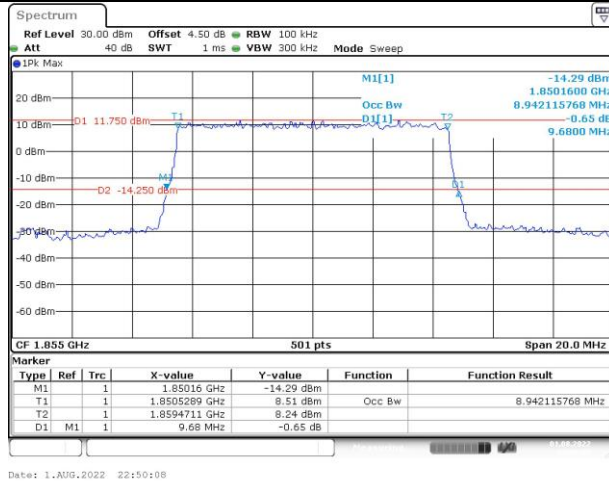
## Occupied Bandwidth

## Channel

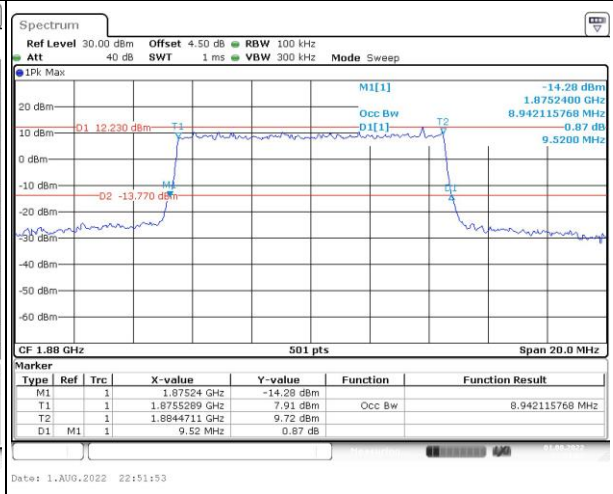
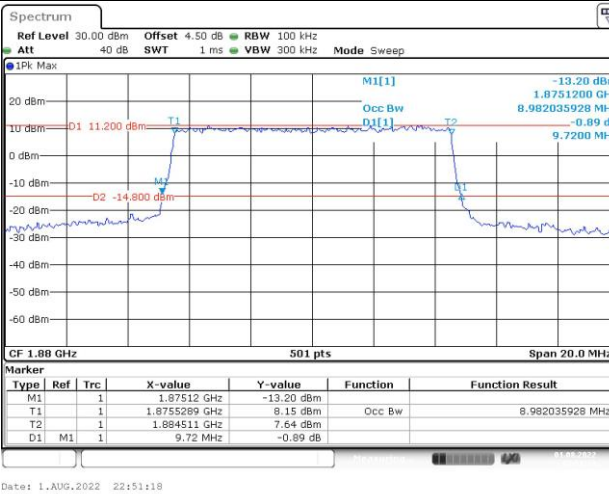
## 10MHz Bandwidth QPSK

## 10MHz Bandwidth 16QAM

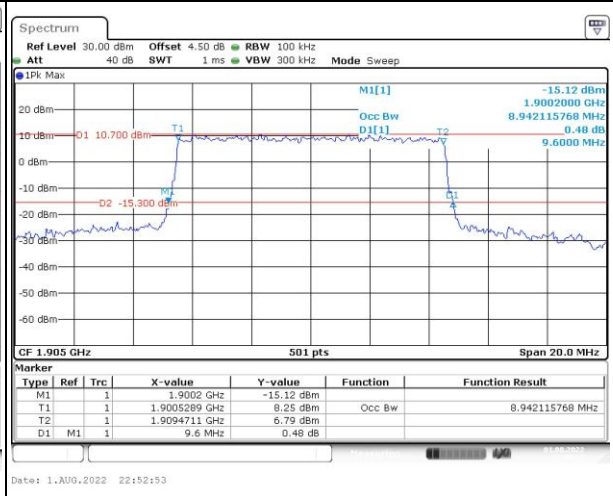
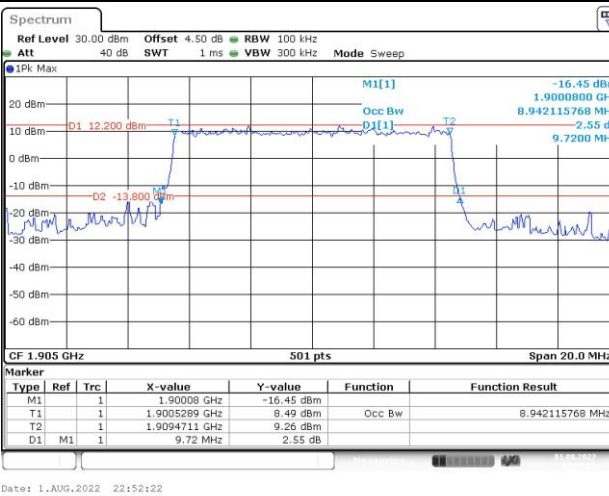
## Lowest



## Middle



## Highest





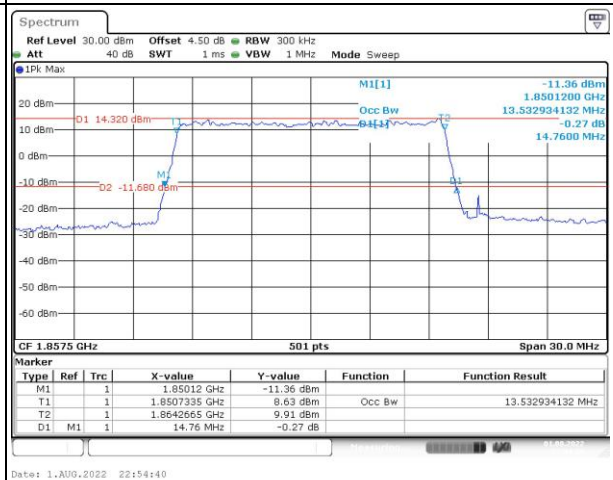
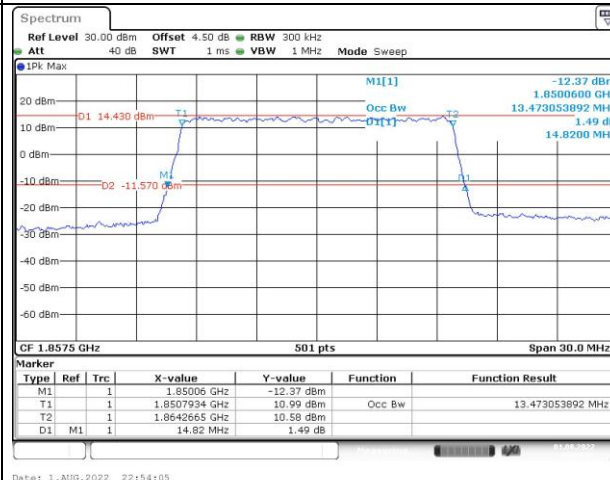
## Occupied Bandwidth

## Channel

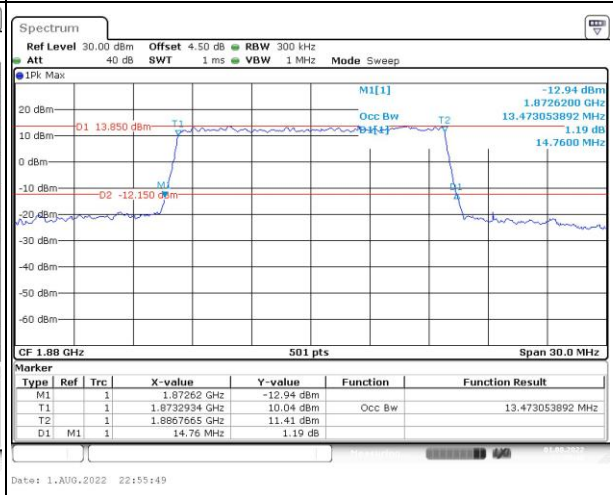
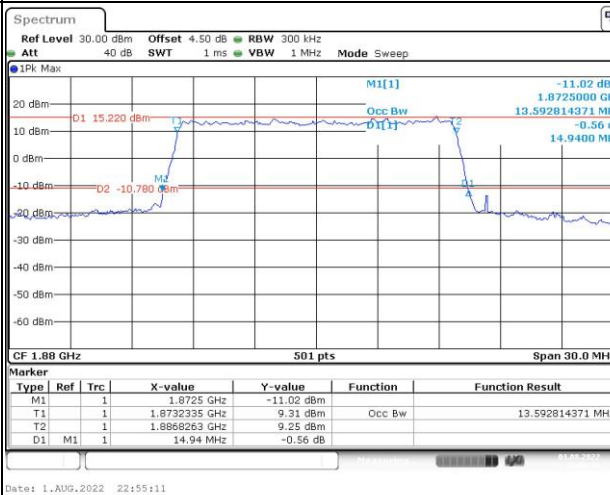
## 15MHz Bandwidth QPSK

## 15MHz Bandwidth 16QAM

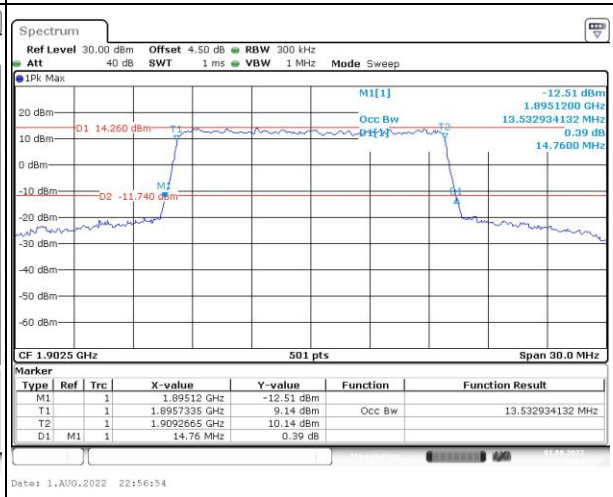
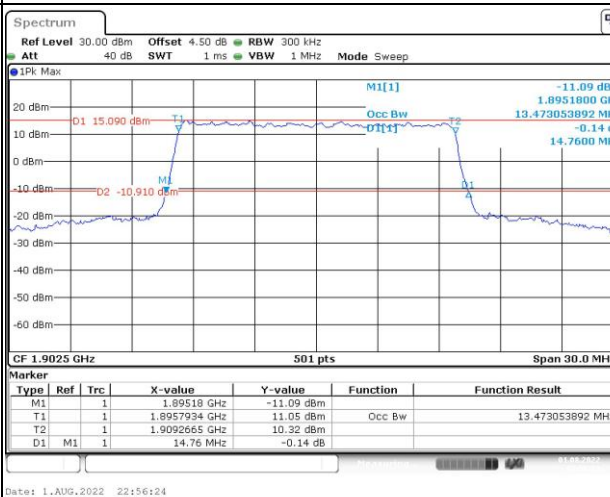
Lowest



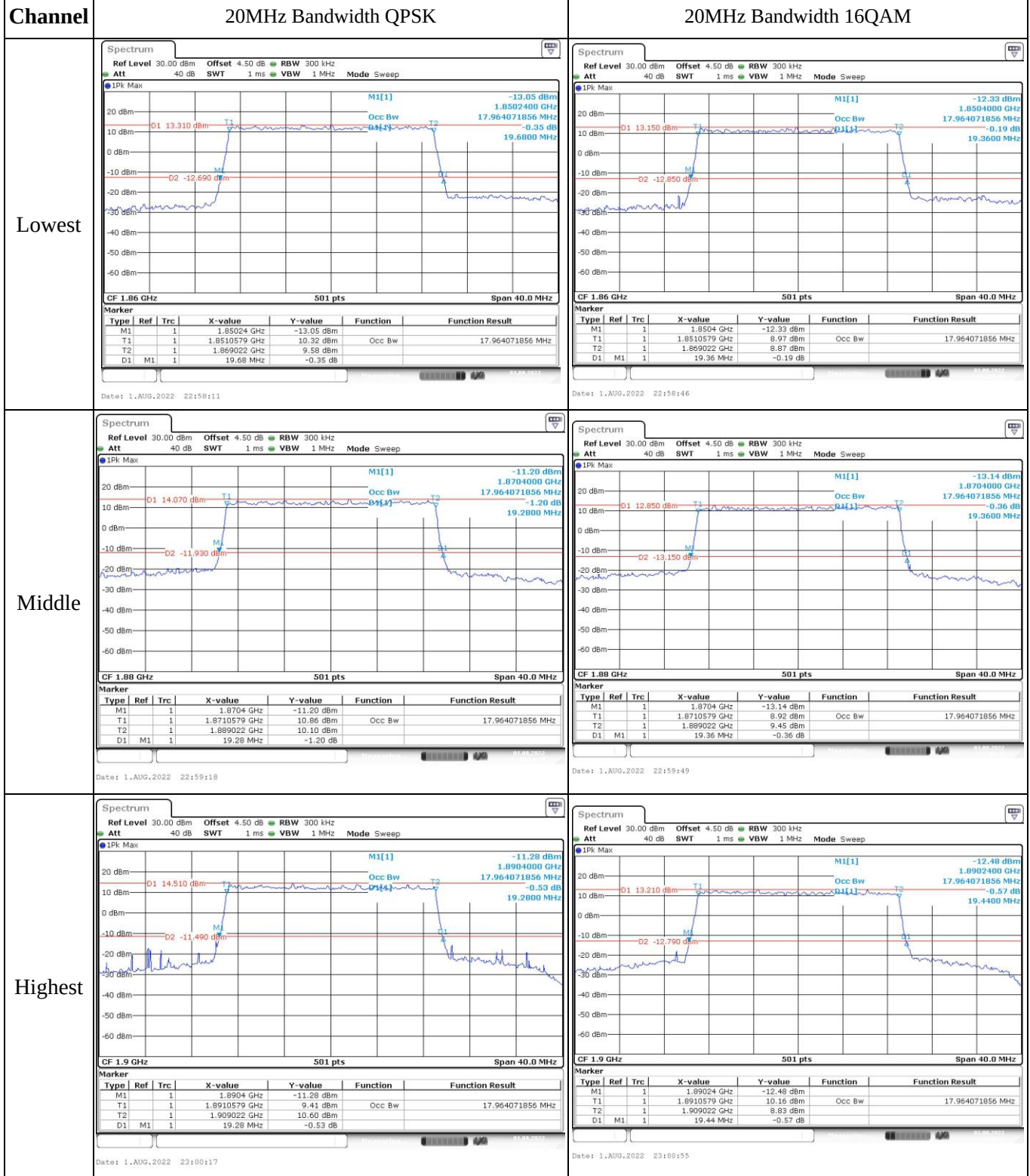
Middle



Highest



## Occupied Bandwidth

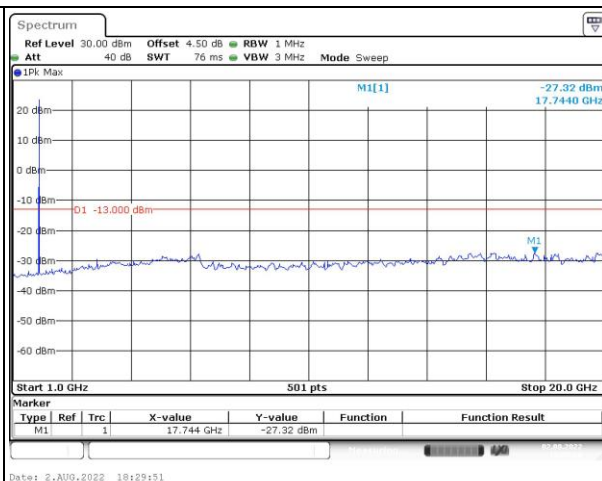
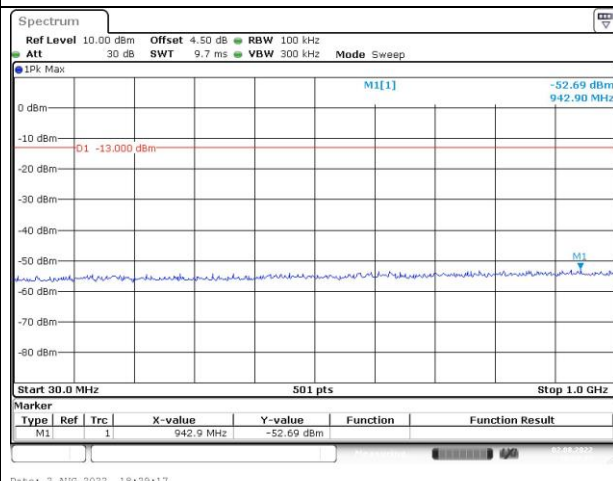


## Spurious Emissions at Antenna Terminal

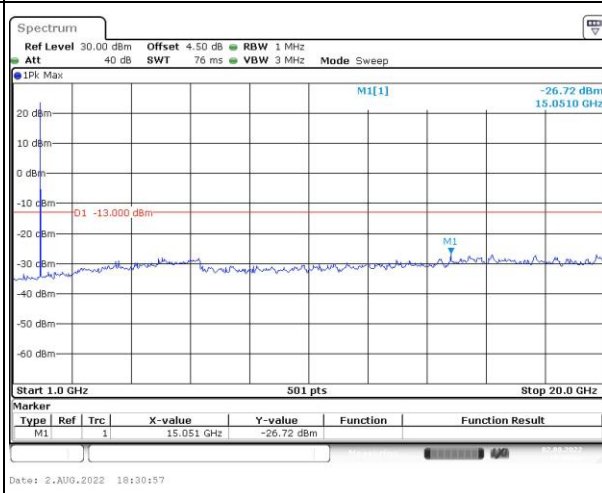
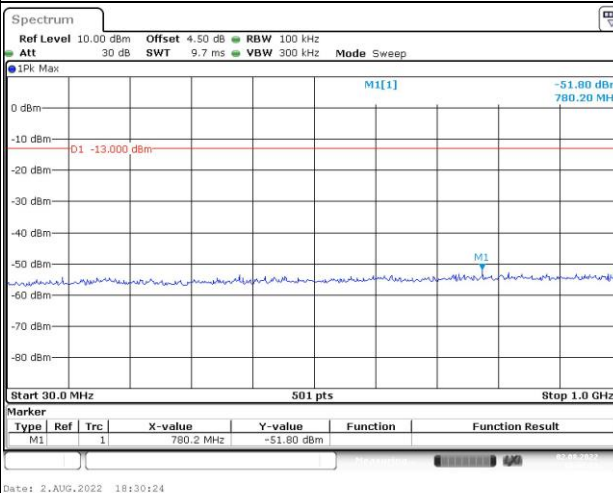
Channel

1.4MHz Bandwidth QPSK

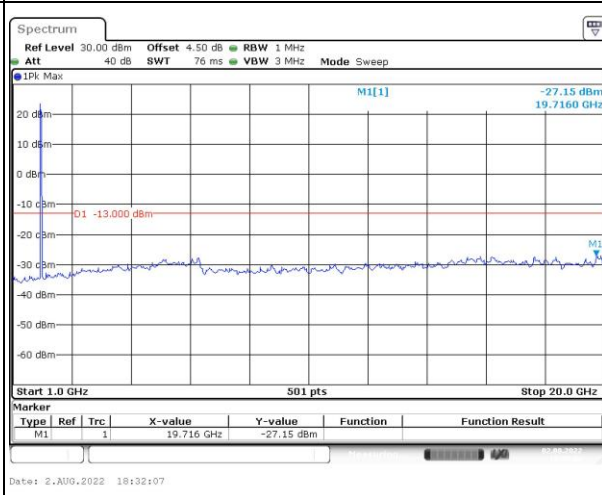
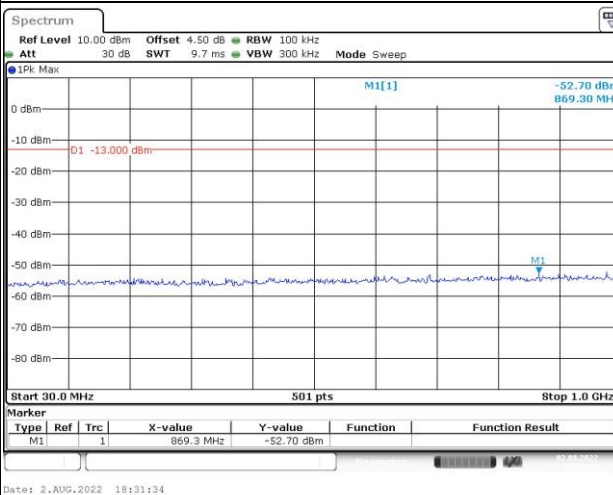
Lowest



Middle



Highest

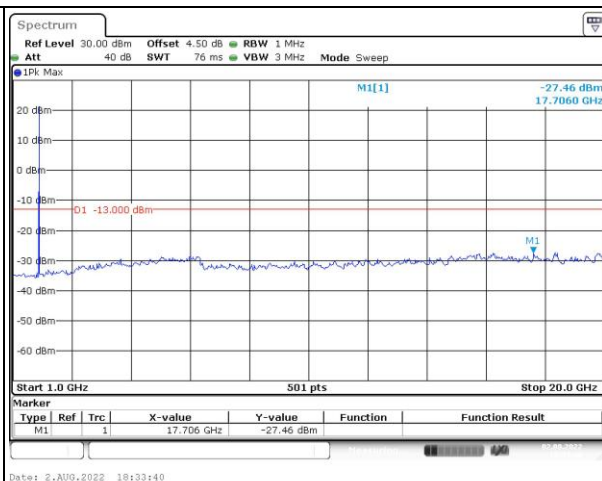
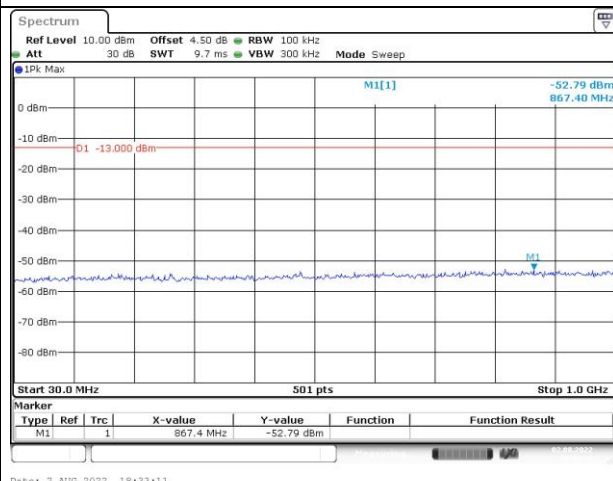


## Spurious Emissions at Antenna Terminal

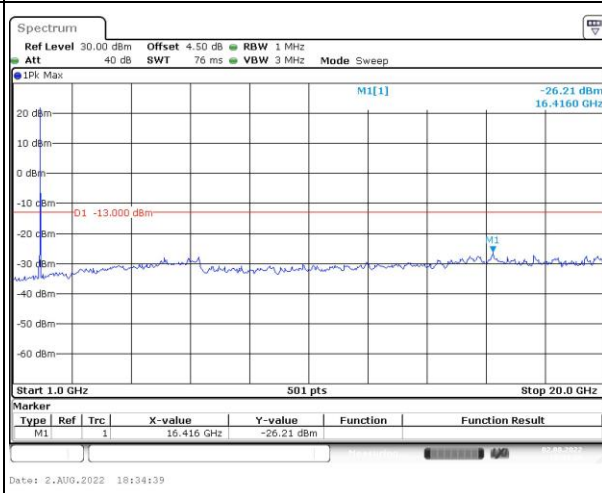
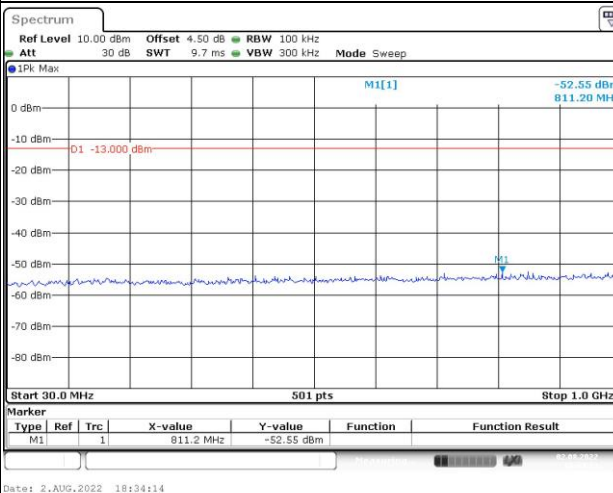
Channel

3MHz Bandwidth QPSK

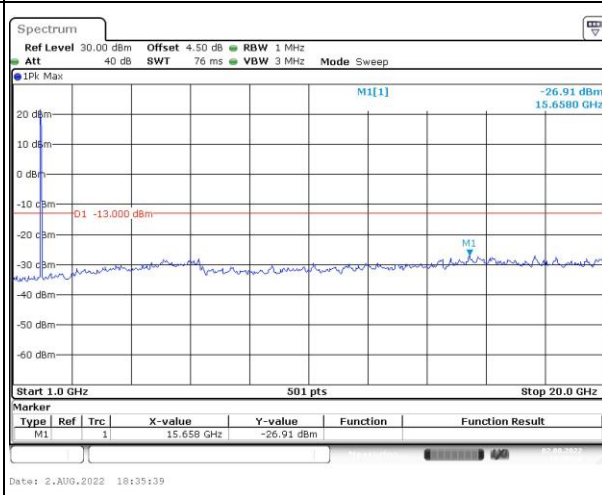
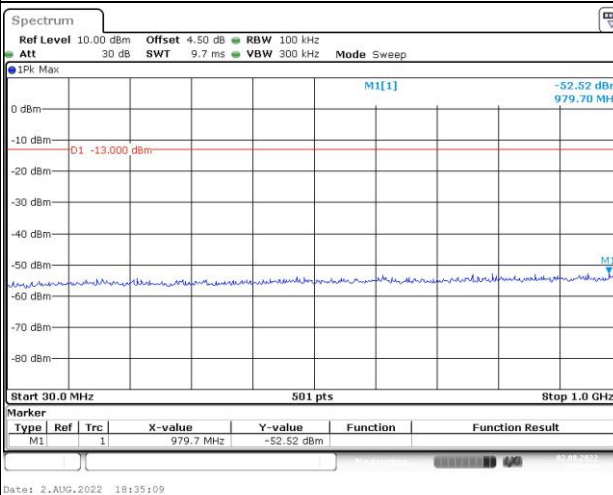
Lowest



Middle



Highest



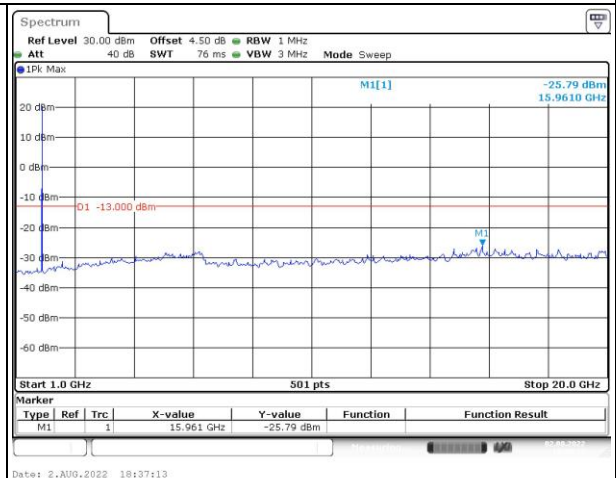
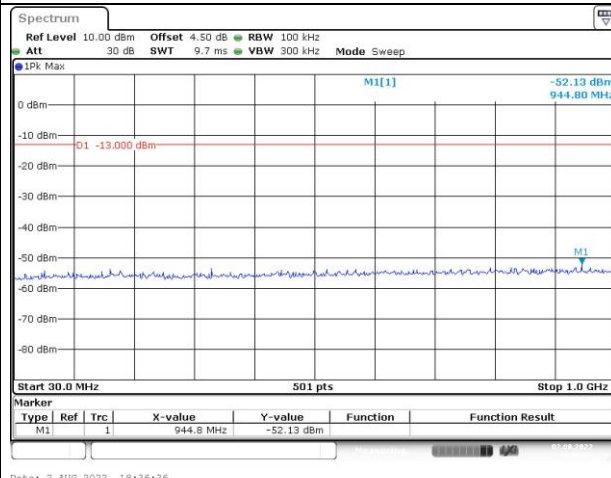


## Spurious Emissions at Antenna Terminal

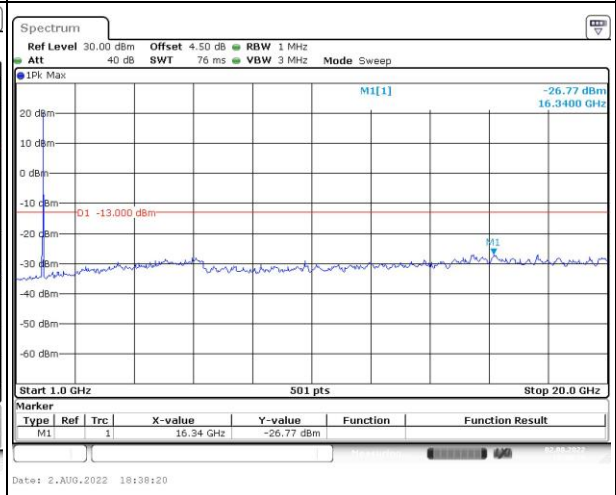
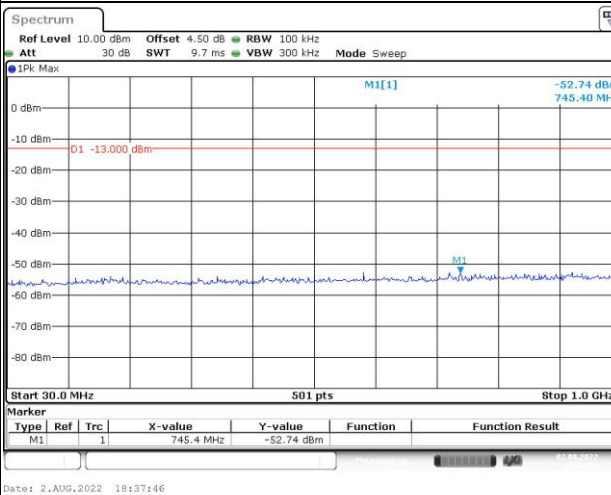
Channel

5MHz Bandwidth QPSK

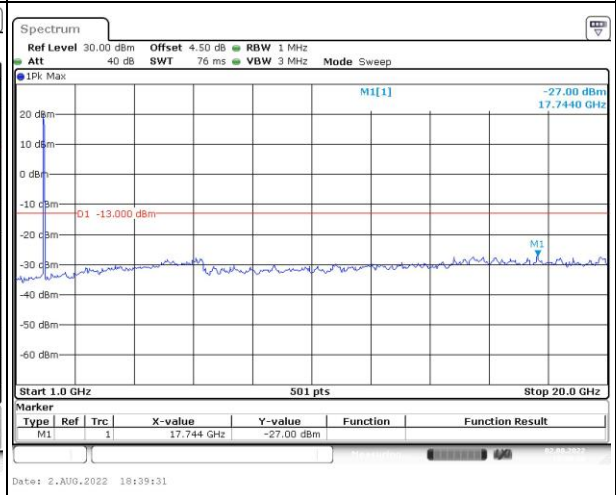
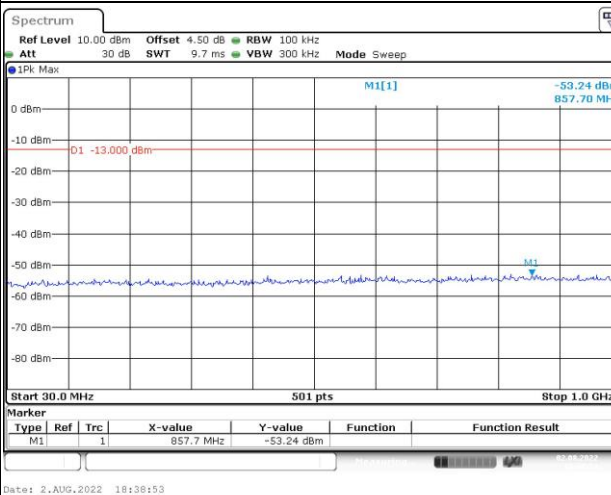
Lowest



Middle



Highest

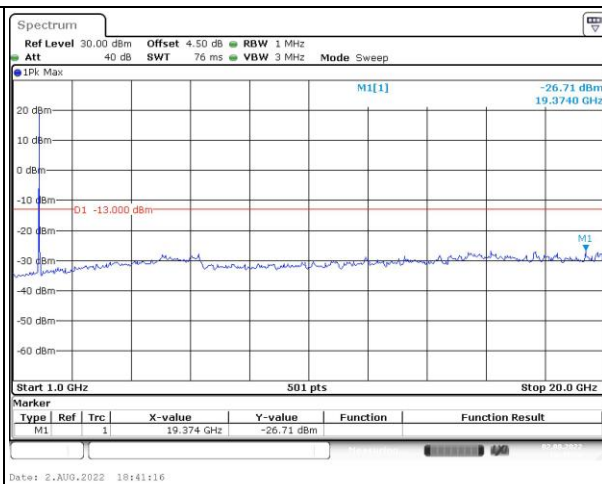
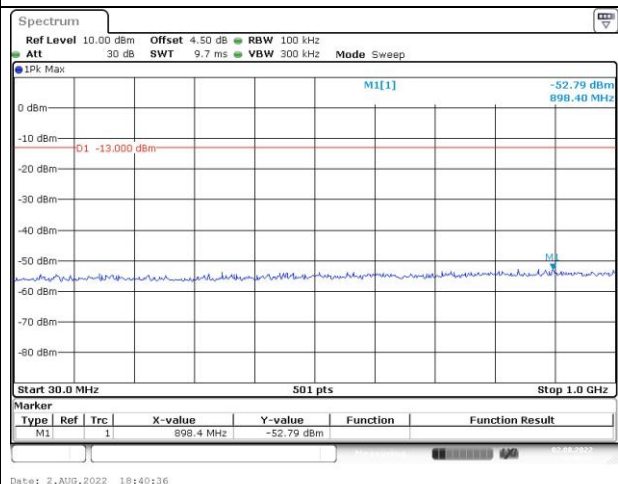


## Spurious Emissions at Antenna Terminal

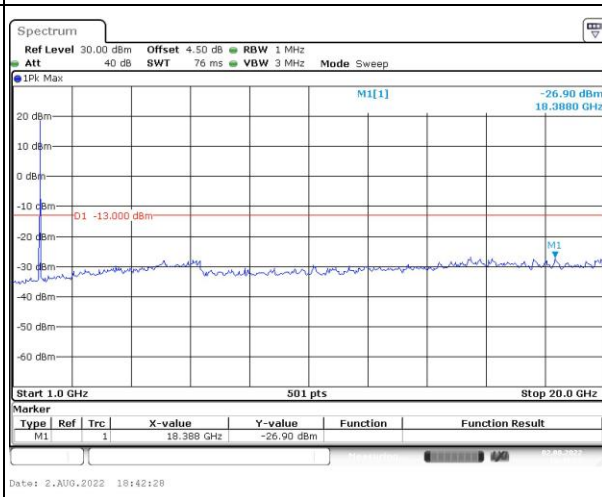
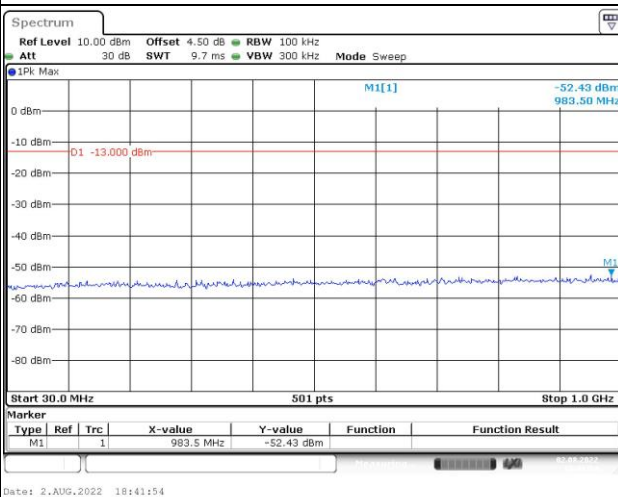
Channel

10MHz Bandwidth QPSK

Lowest



Middle



Highest

