

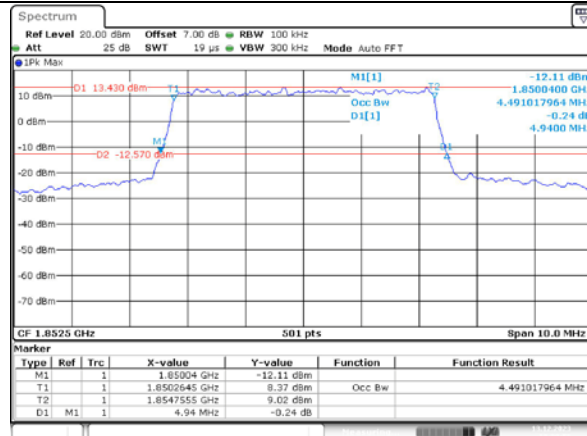
## Occupied Bandwidth

## Channel

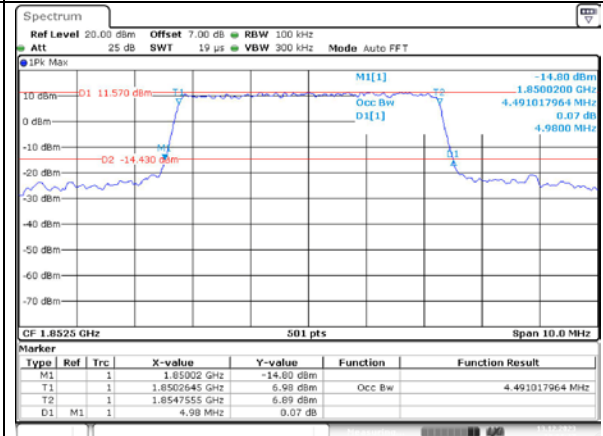
## 5MHz Bandwidth QPSK

## 5MHz Bandwidth 16QAM

## Lowest

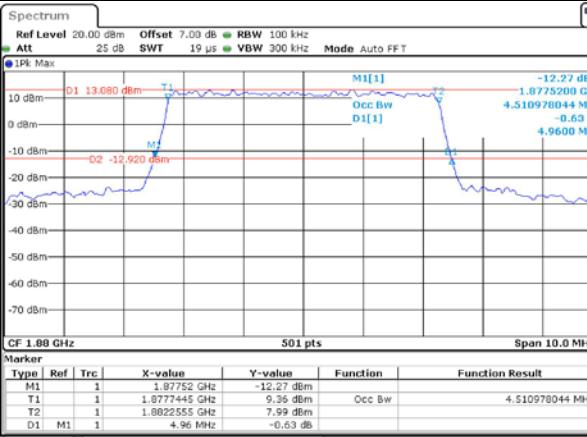


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:00:19

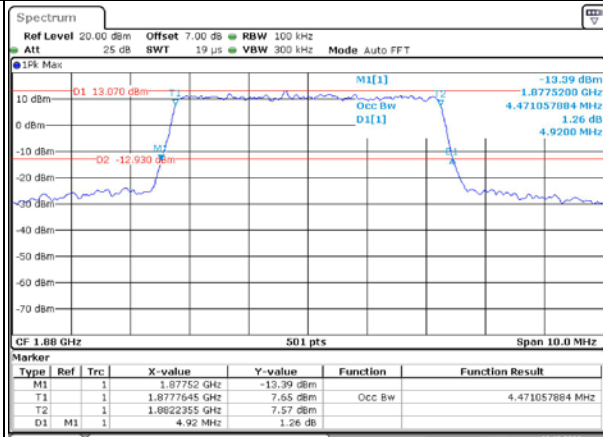


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:01:17

## Middle

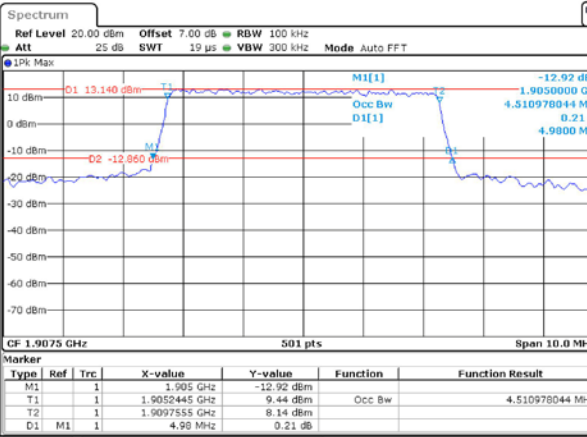


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:01:38

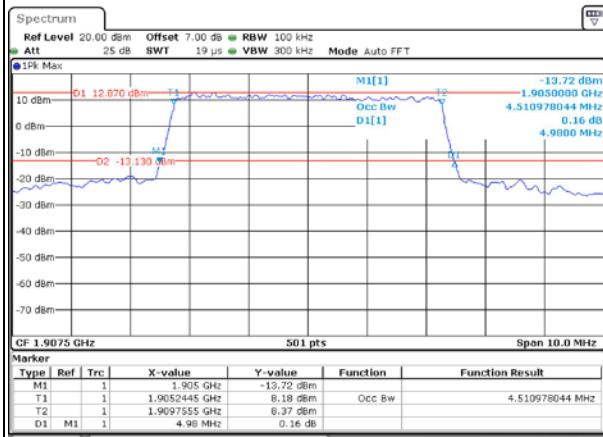


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:01:59

## Highest



ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:02:15



ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:02:32

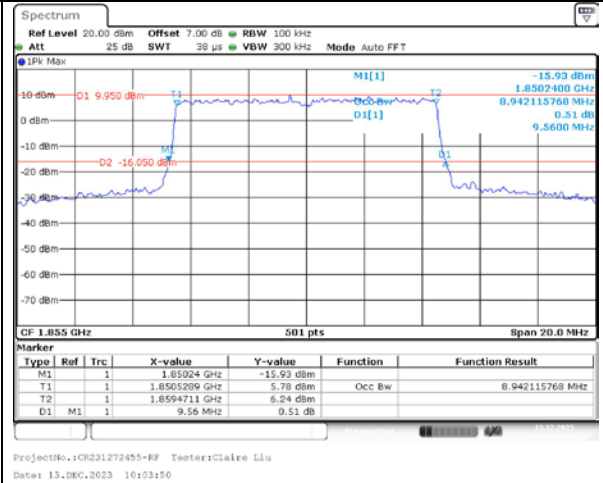
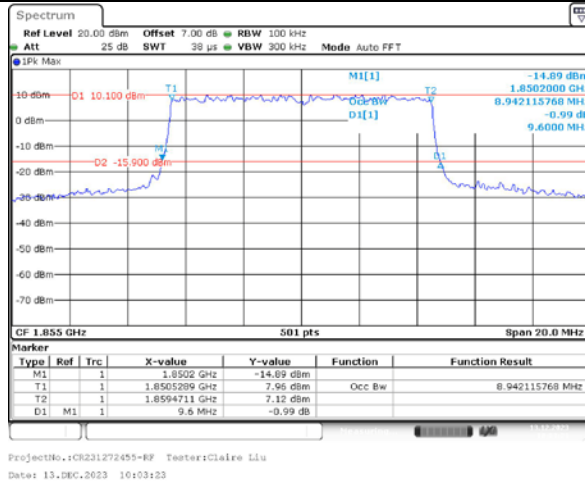
## Occupied Bandwidth

## Channel

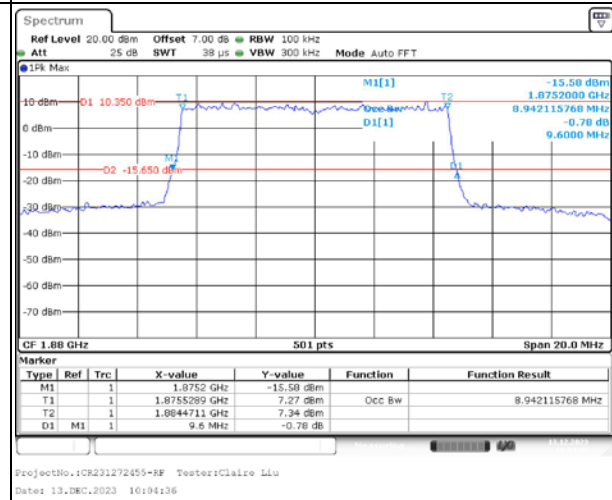
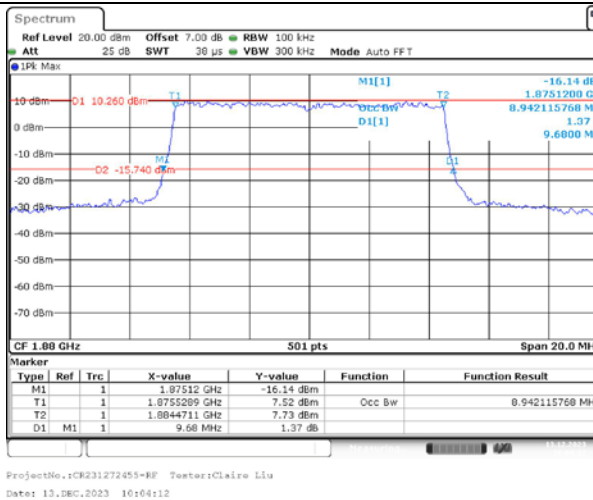
## 10MHz Bandwidth QPSK

## 10MHz Bandwidth 16QAM

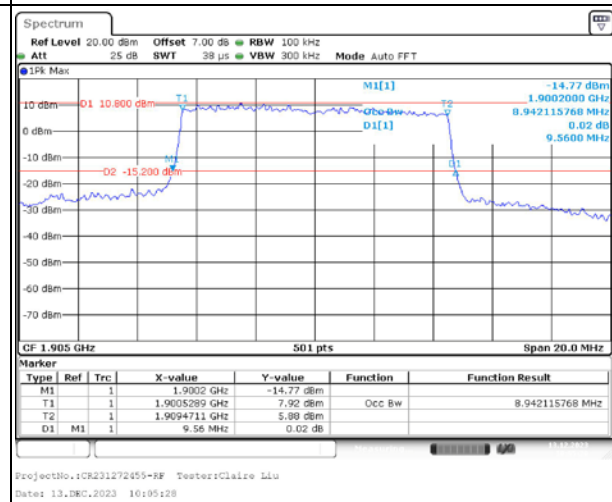
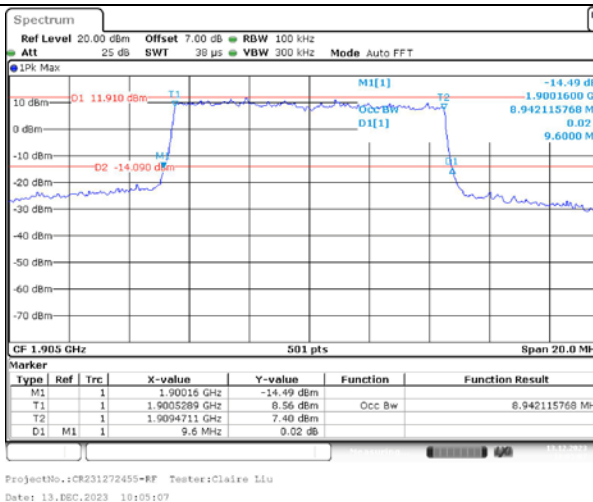
## Lowest



## Middle



## Highest



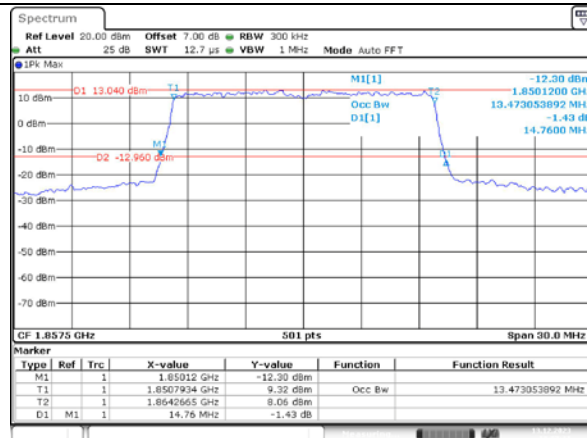
## Occupied Bandwidth

## Channel

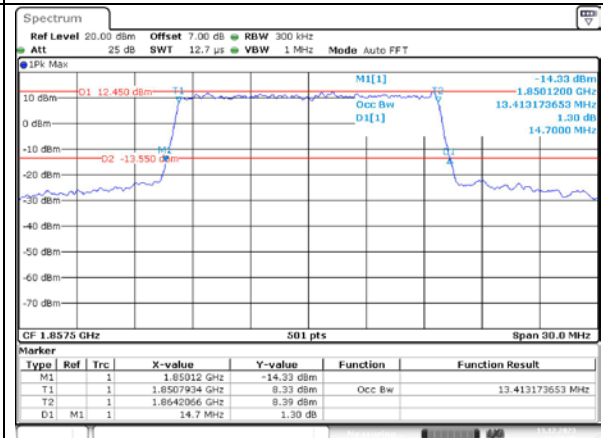
## 15MHz Bandwidth QPSK

## 15MHz Bandwidth 16QAM

## Lowest

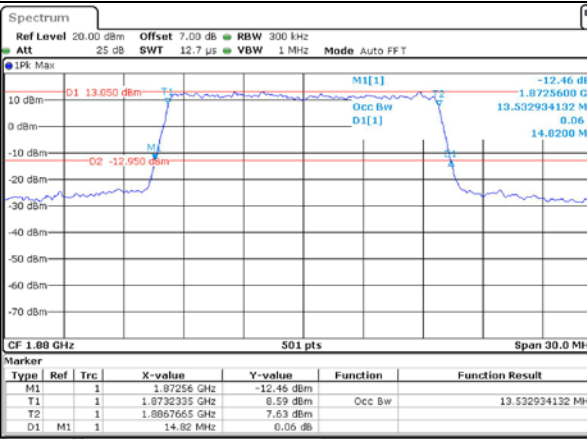


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:07:11

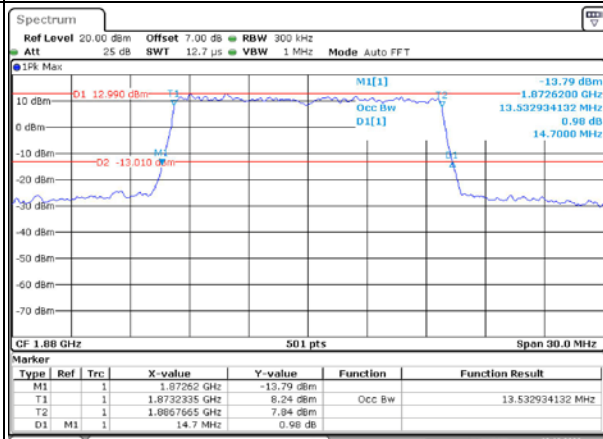


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:07:45

## Middle

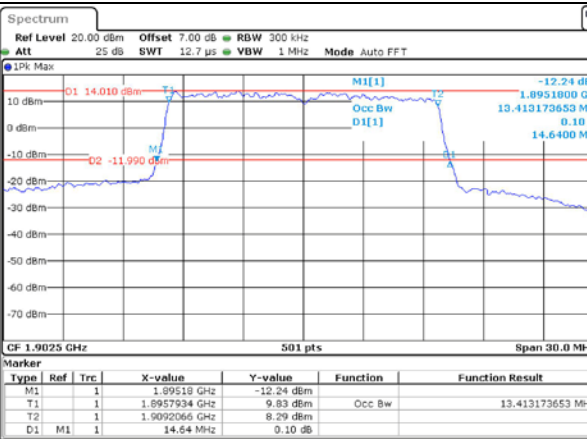


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:08:17

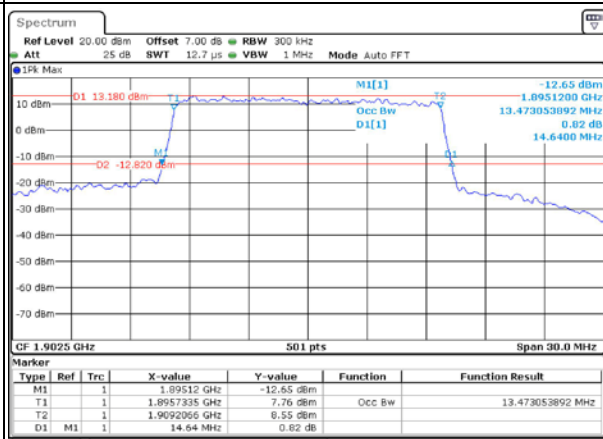


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:08:48

## Highest



ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:09:14



ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:09:53

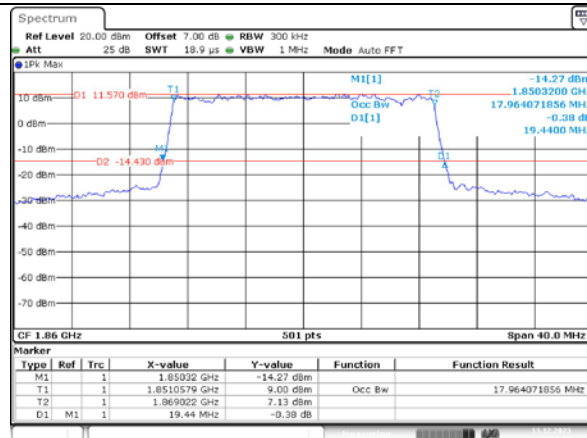
## Occupied Bandwidth

## Channel

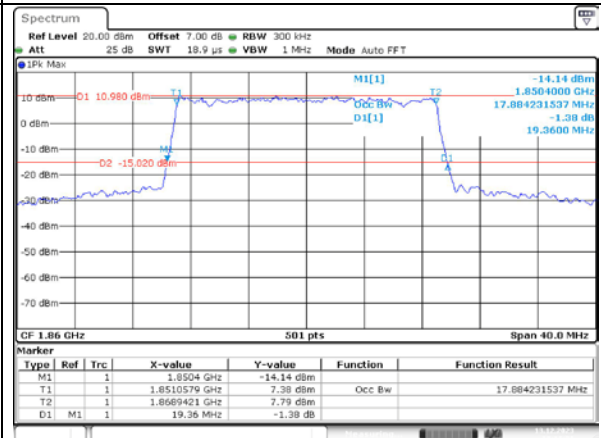
## 20MHz Bandwidth QPSK

## 20MHz Bandwidth 16QAM

## Lowest

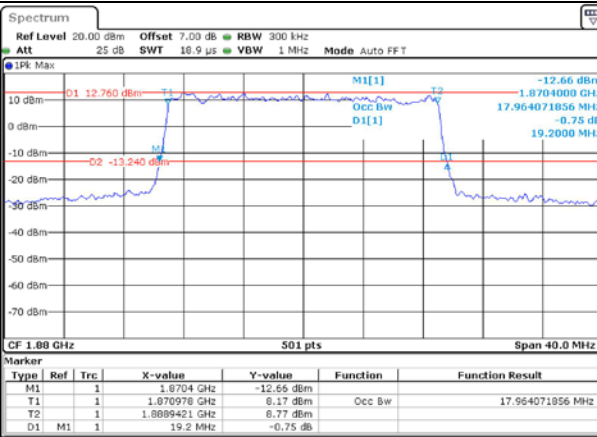


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:10:53

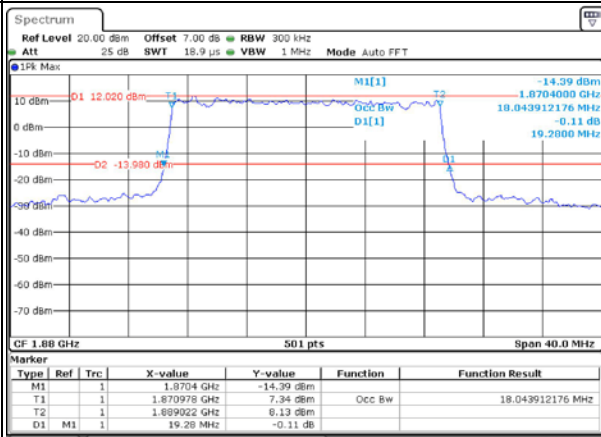


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:11:21

## Middle

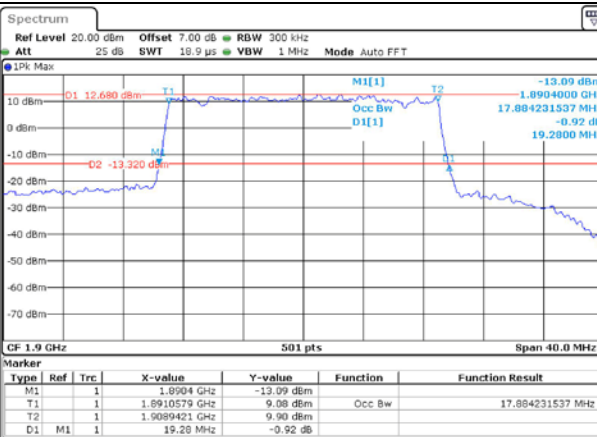


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:12:03

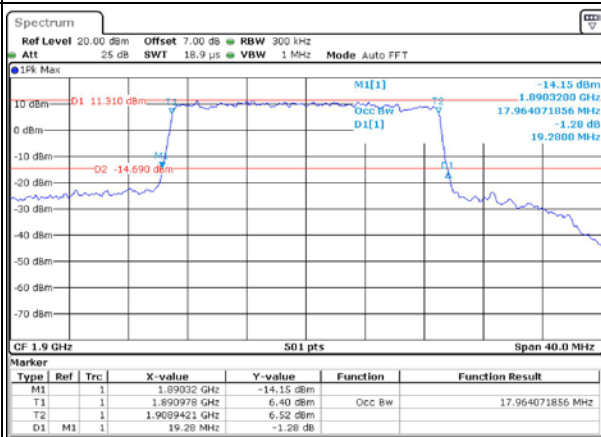


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:12:34

## Highest



ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:13:07



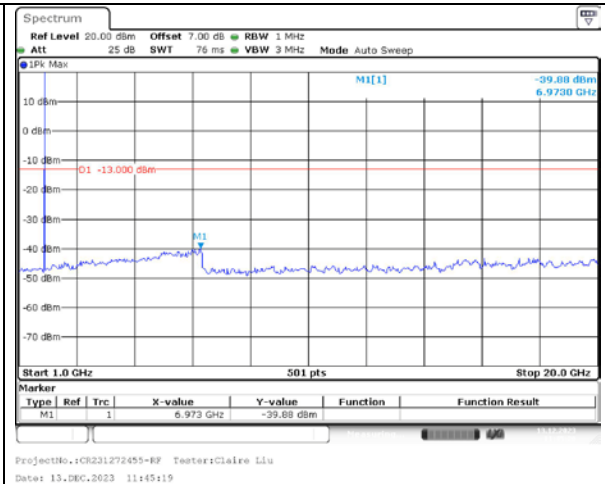
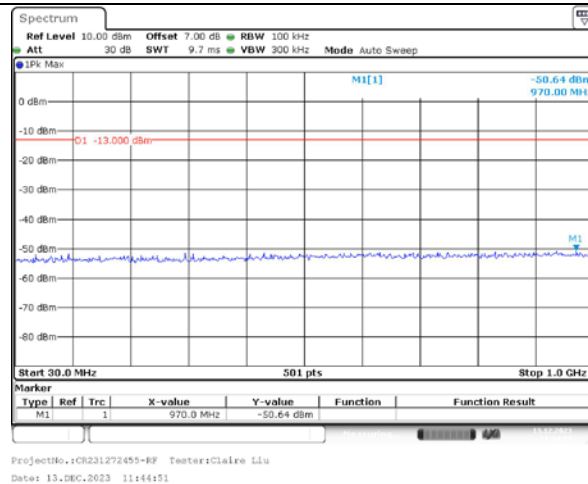
ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 10:13:35

## Spurious Emissions at Antenna Terminal

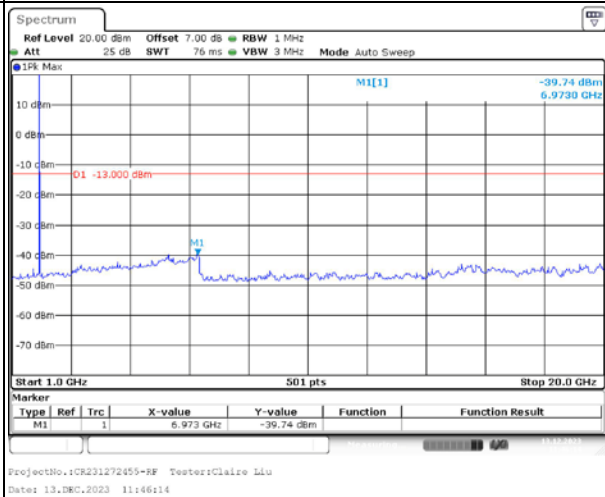
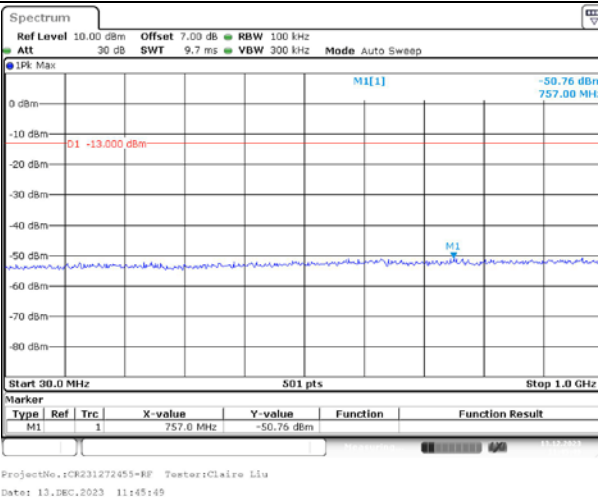
Channel

1.4MHz Bandwidth QPSK

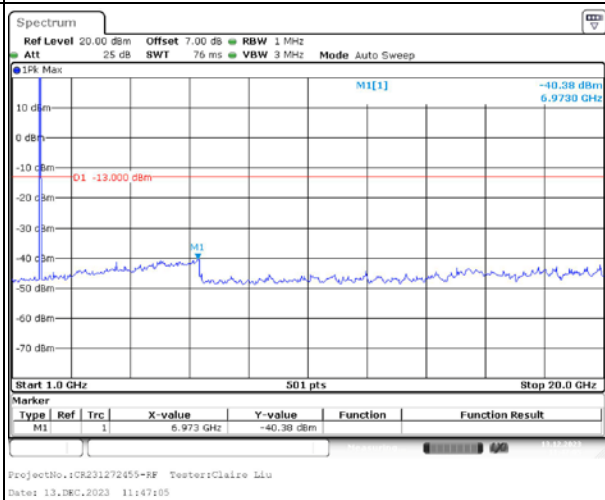
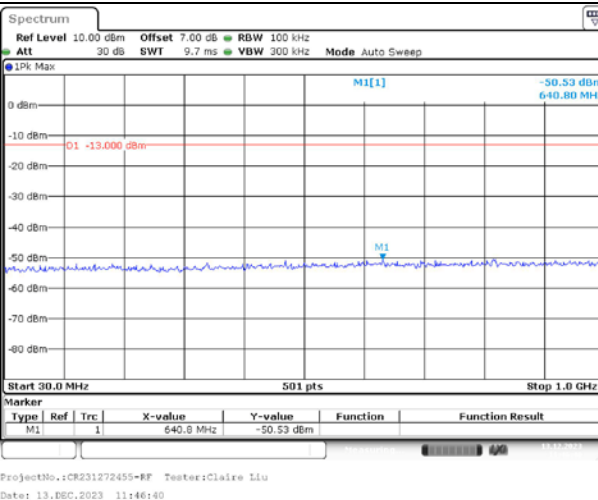
Lowest



Middle



Highest

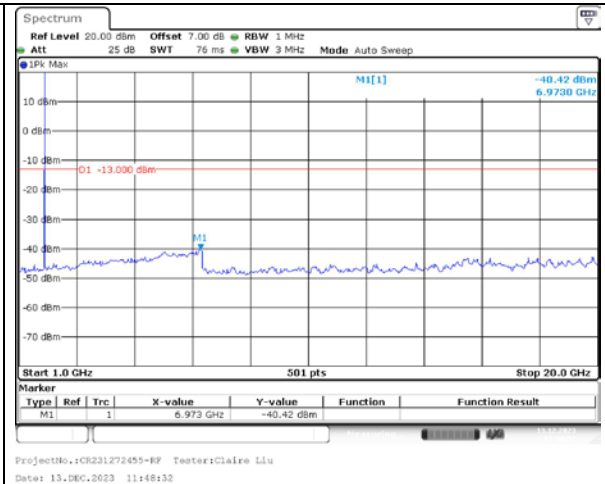
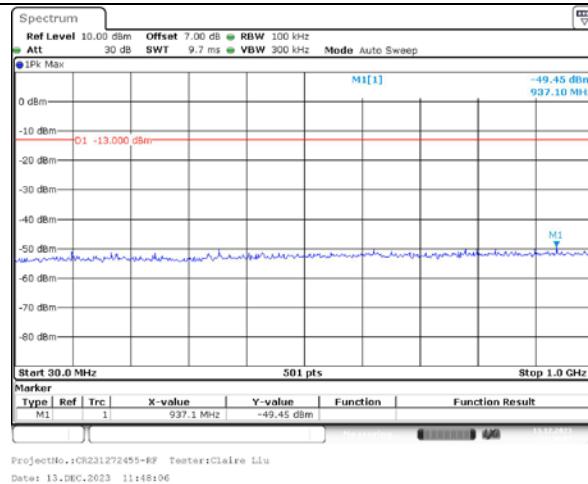


## Spurious Emissions at Antenna Terminal

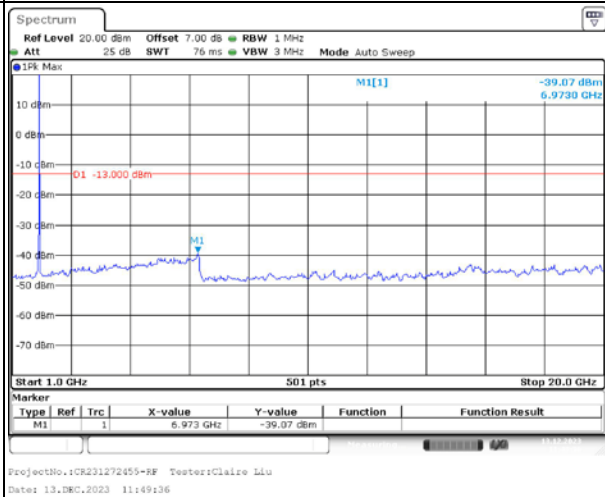
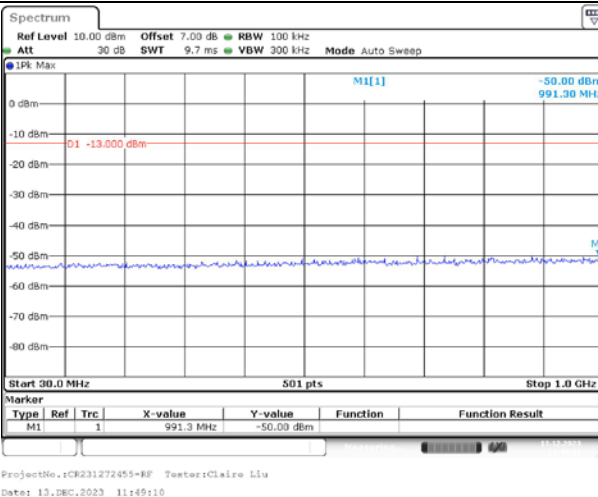
Channel

3MHz Bandwidth QPSK

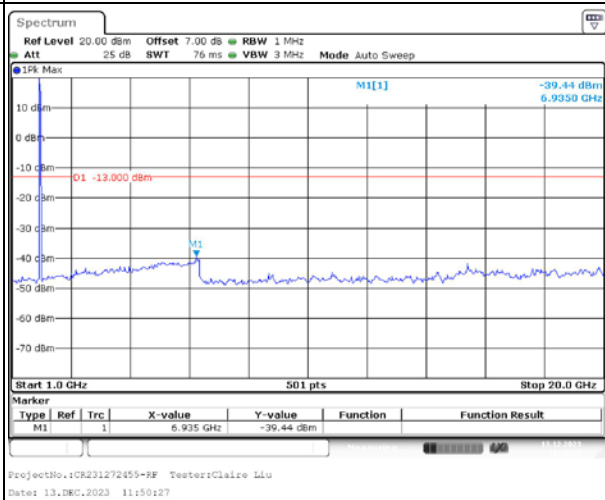
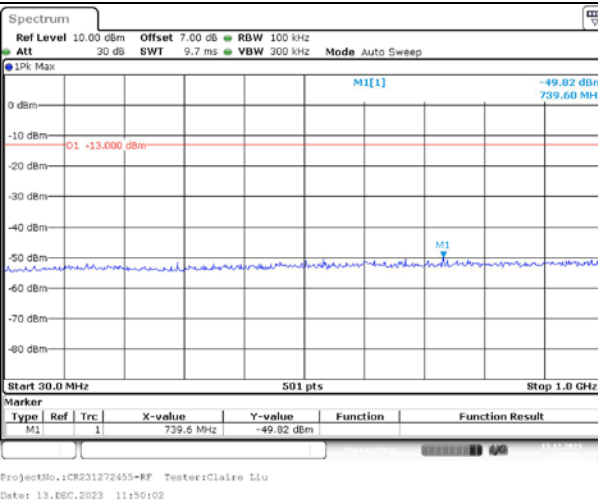
Lowest



Middle



Highest

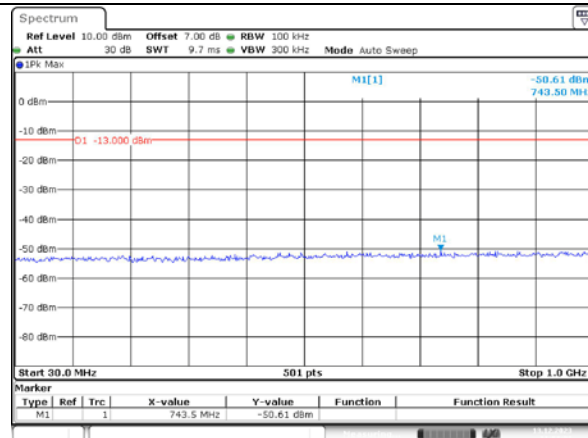


## Spurious Emissions at Antenna Terminal

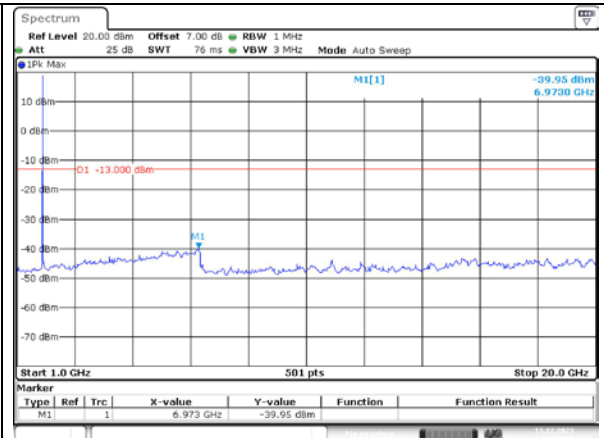
Channel

5MHz Bandwidth QPSK

Lowest

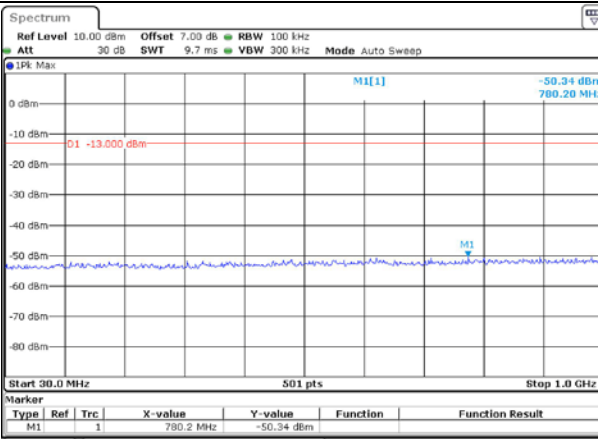


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 11:51:22

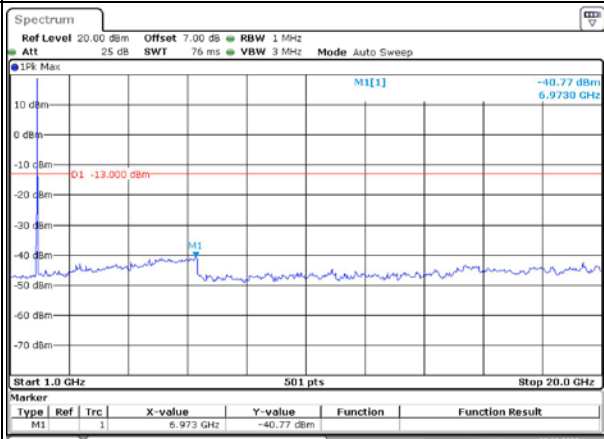


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 11:51:51

Middle

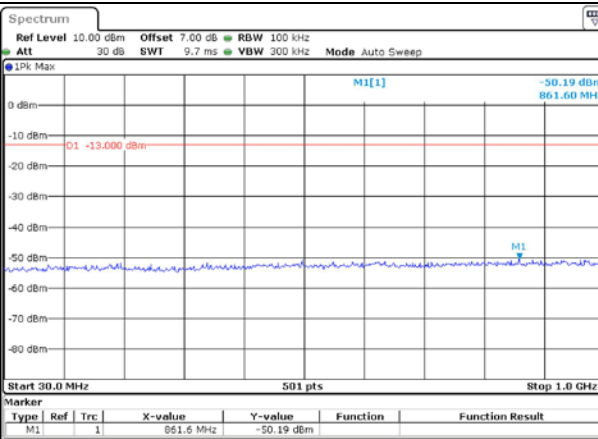


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 11:52:23

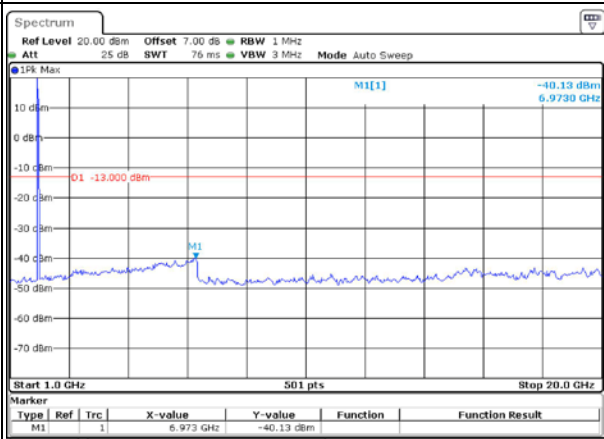


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 11:52:55

Highest



ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 11:53:24



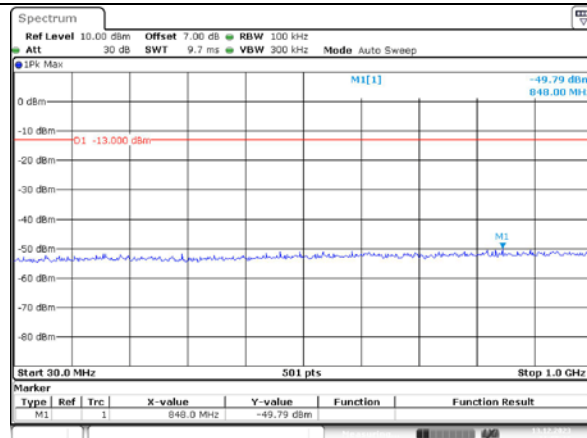
ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 11:53:43

## Spurious Emissions at Antenna Terminal

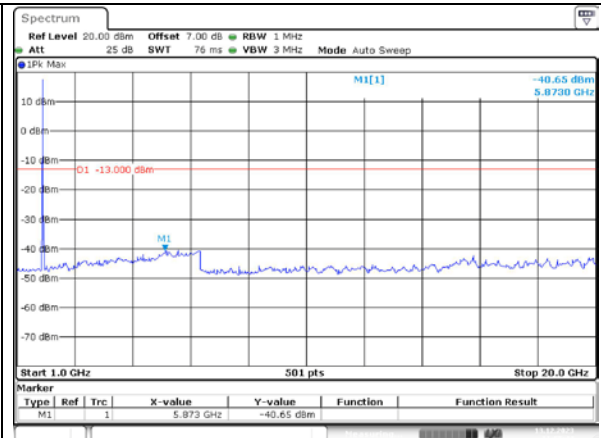
Channel

10MHz Bandwidth QPSK

Lowest

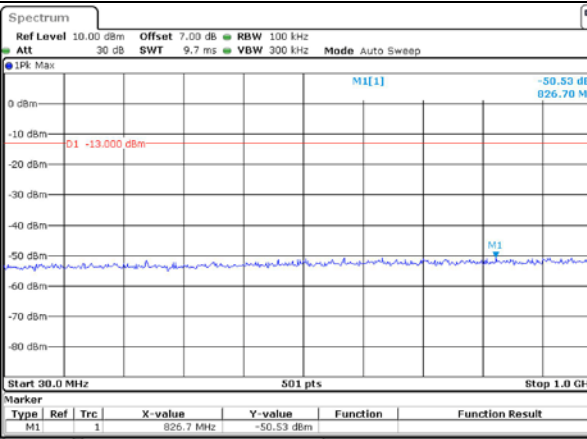


ProjectNo.:CR231272455-RF Tester: Claire Liu  
Date: 13.DEC.2023 11:55:19

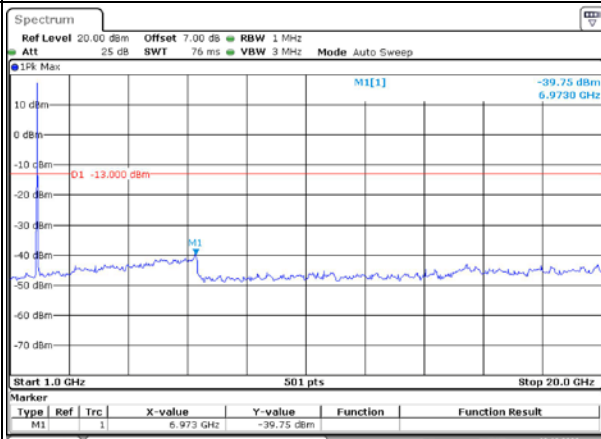


ProjectNo.:CR231272455-RF Tester: Claire Liu  
Date: 13.DEC.2023 11:55:44

Middle

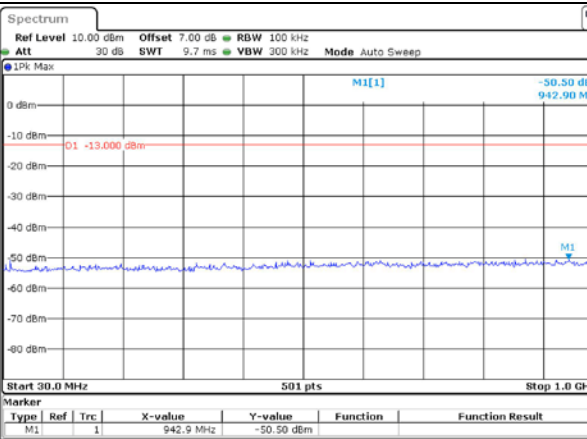


ProjectNo.:CR231272455-RF Tester: Claire Liu  
Date: 13.DEC.2023 11:56:14

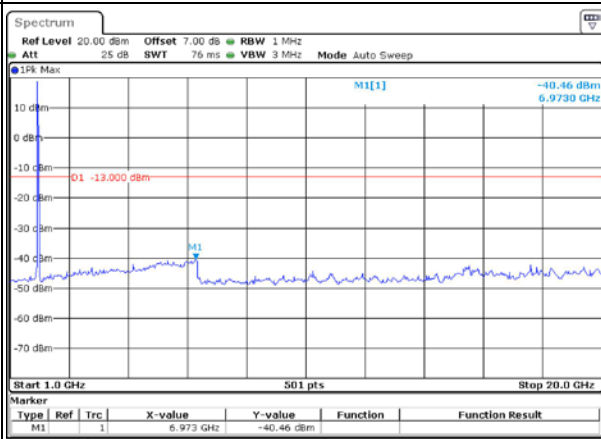


ProjectNo.:CR231272455-RF Tester: Claire Liu  
Date: 13.DEC.2023 11:56:37

Highest



ProjectNo.:CR231272455-RF Tester: Claire Liu  
Date: 13.DEC.2023 11:57:10



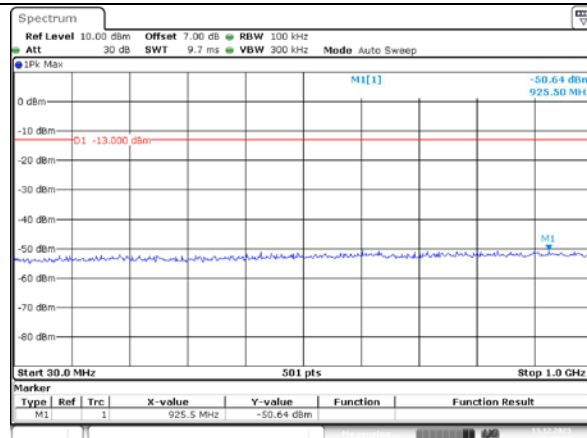
ProjectNo.:CR231272455-RF Tester: Claire Liu  
Date: 13.DEC.2023 11:57:30

## Spurious Emissions at Antenna Terminal

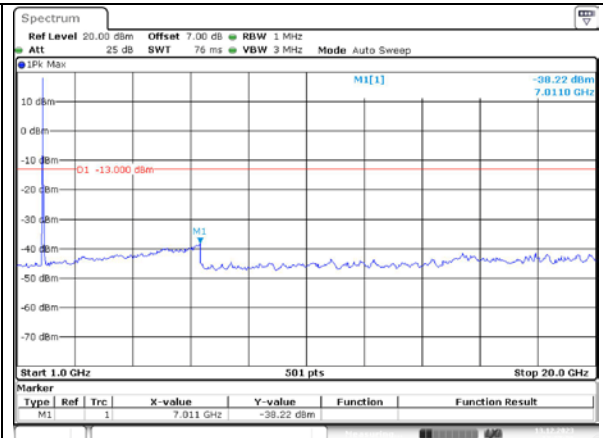
Channel

15MHz Bandwidth QPSK

Lowest

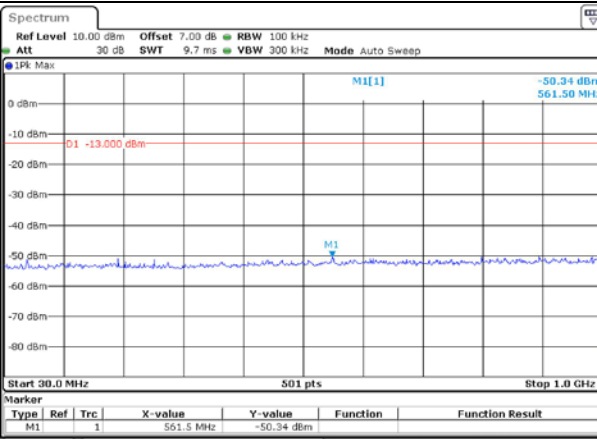


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 11:58:14

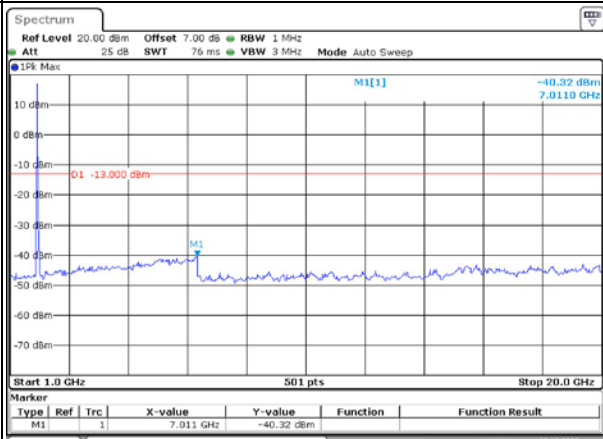


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 12:27:20

Middle

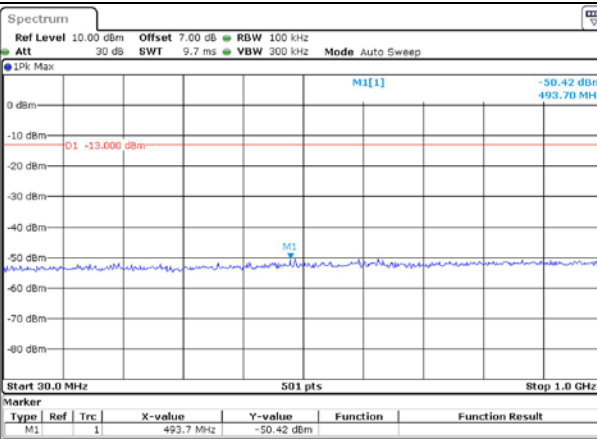


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 12:27:55

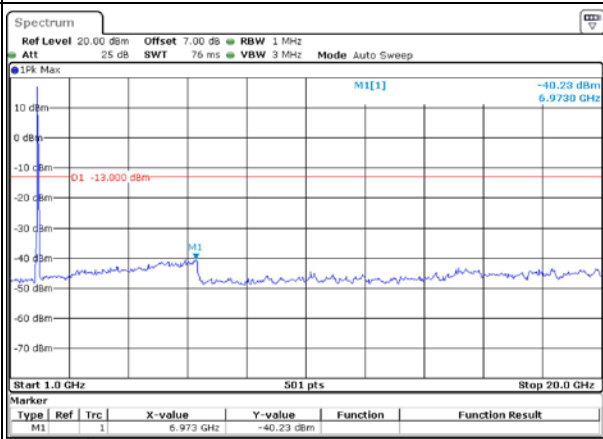


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 12:28:17

Highest



ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 12:28:56



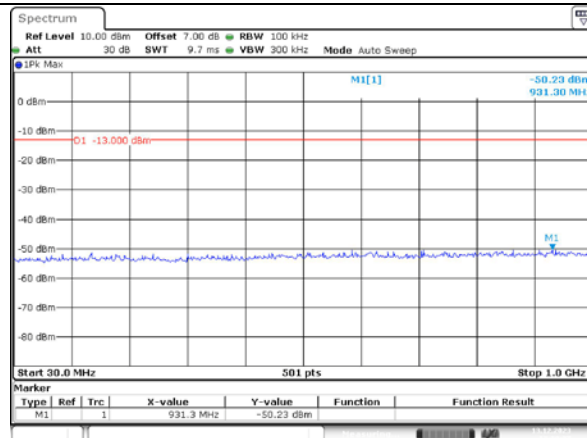
ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 12:29:10

## Spurious Emissions at Antenna Terminal

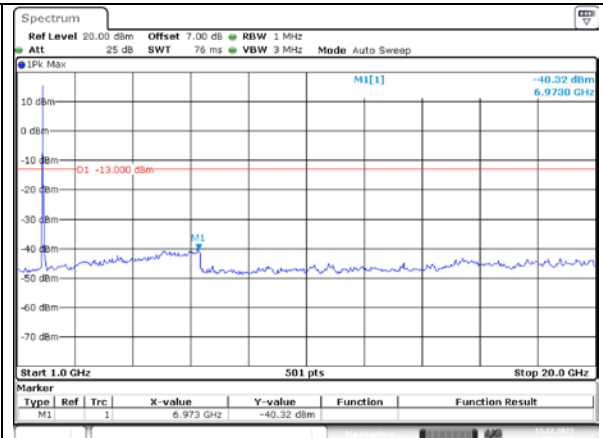
Channel

20MHz Bandwidth QPSK

Lowest

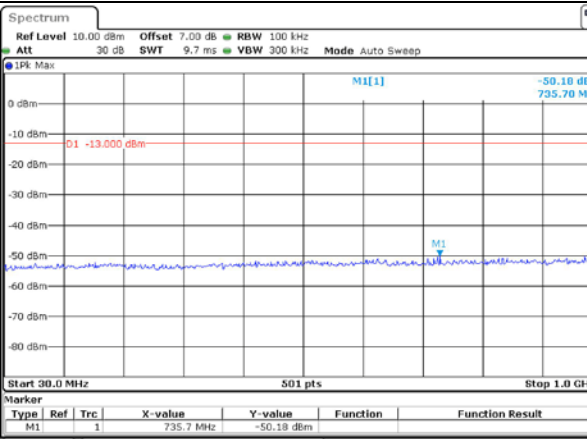


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 12:30:17

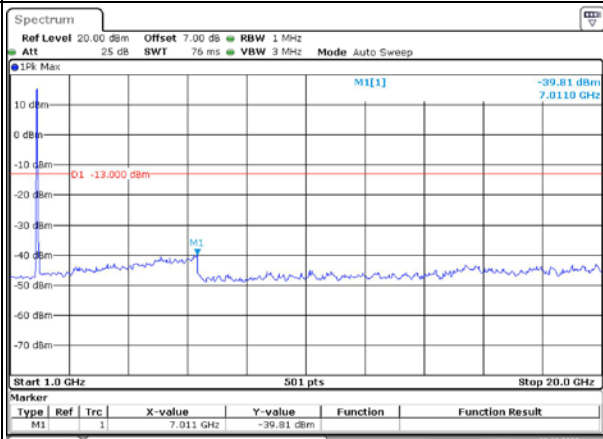


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 12:31:03

Middle

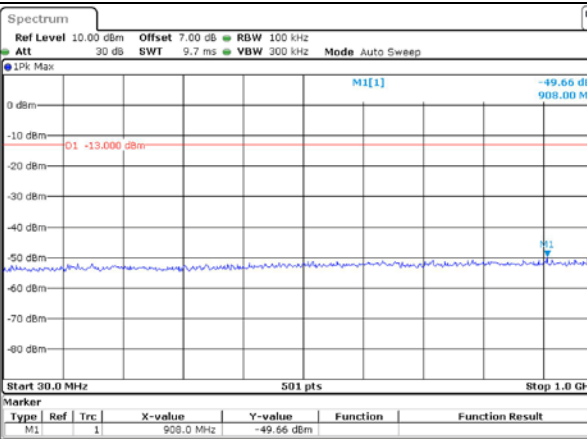


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 12:31:32

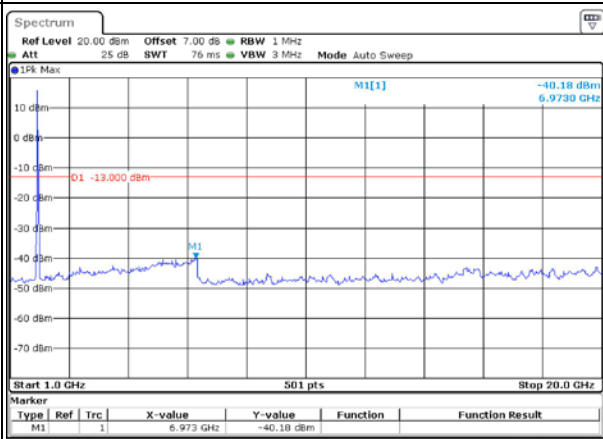


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 12:31:54

Highest

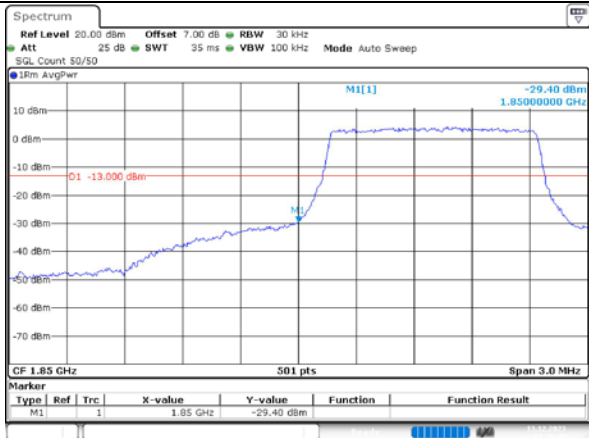
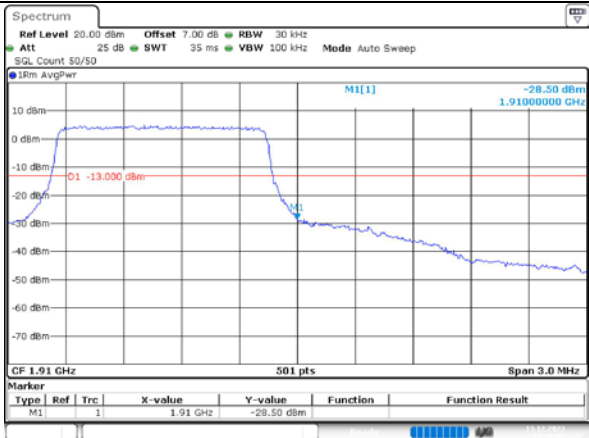
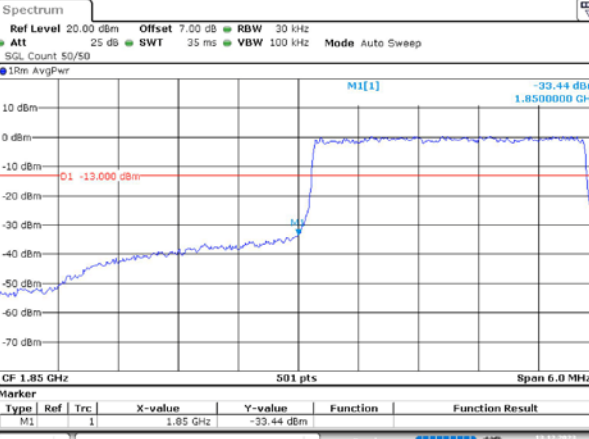
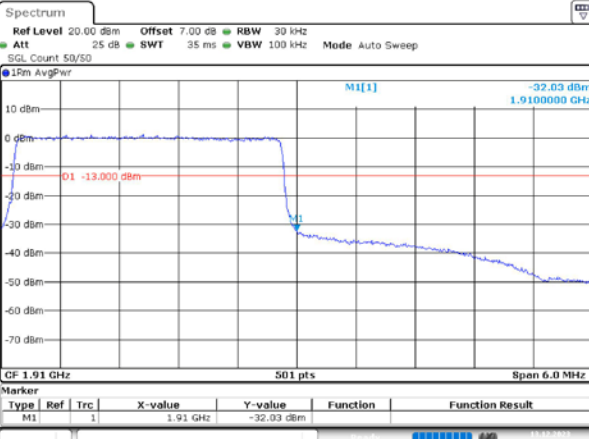
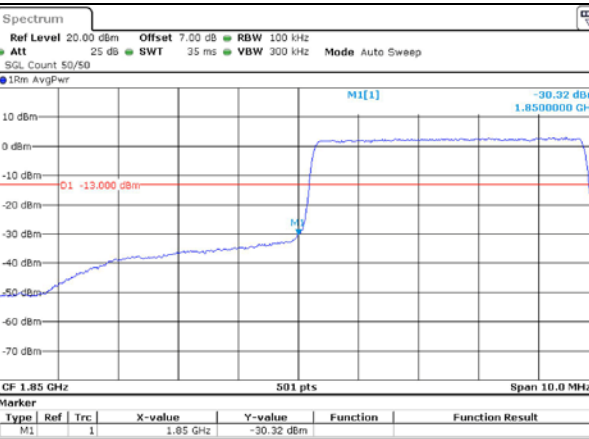
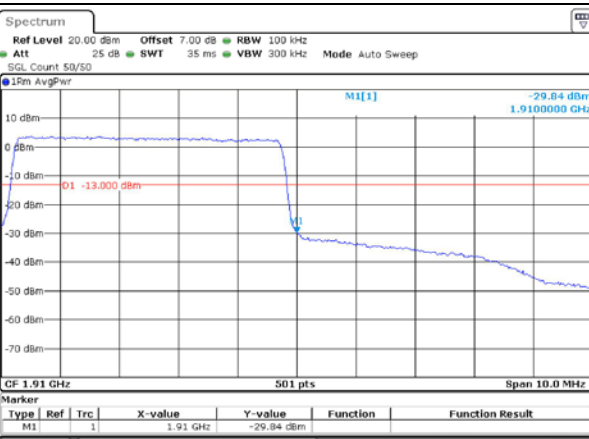


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 12:32:30

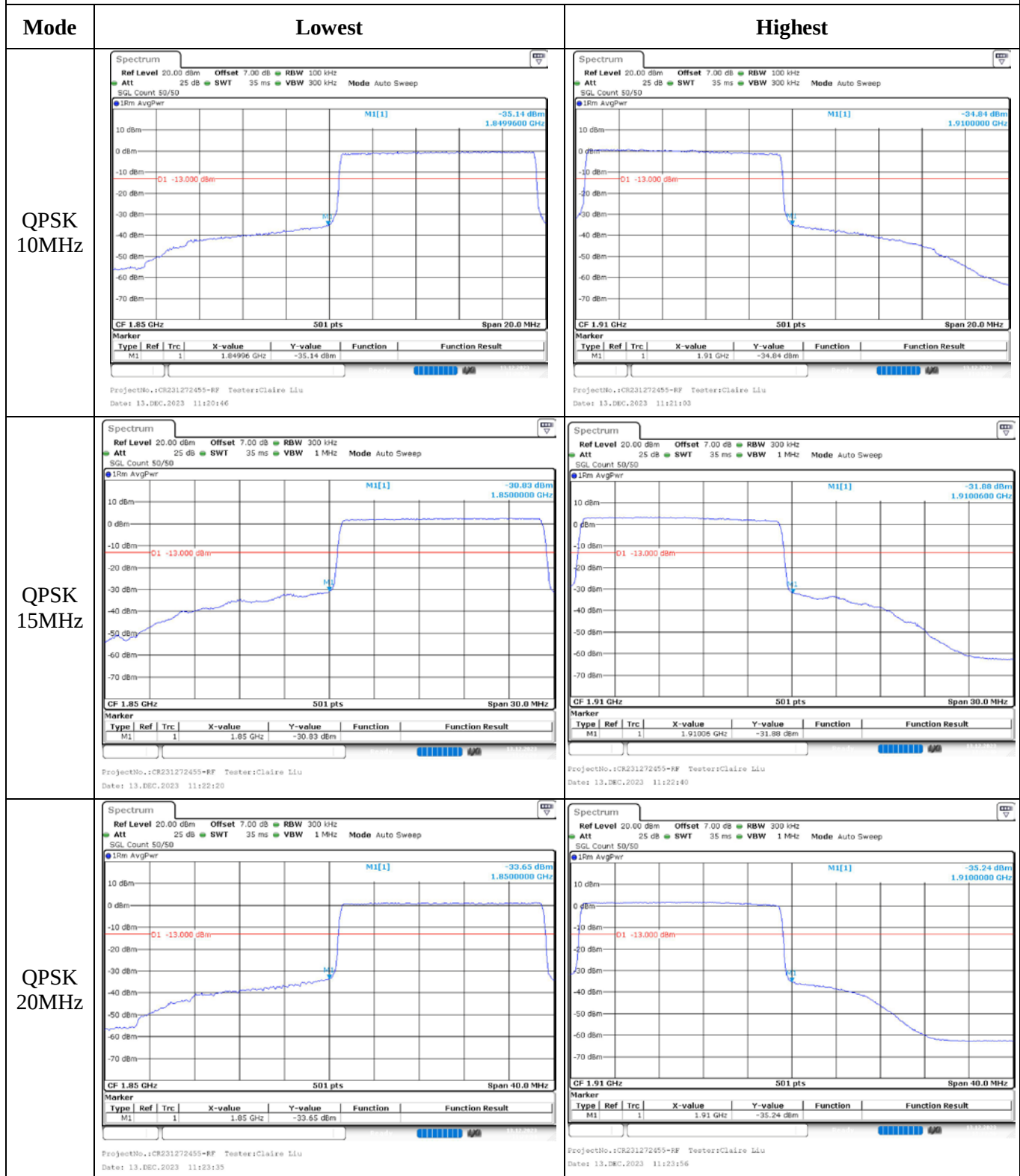


ProjectNo.:CR231272455-RF Testers:Claire Liu  
Date: 13.DEC.2023 12:32:52

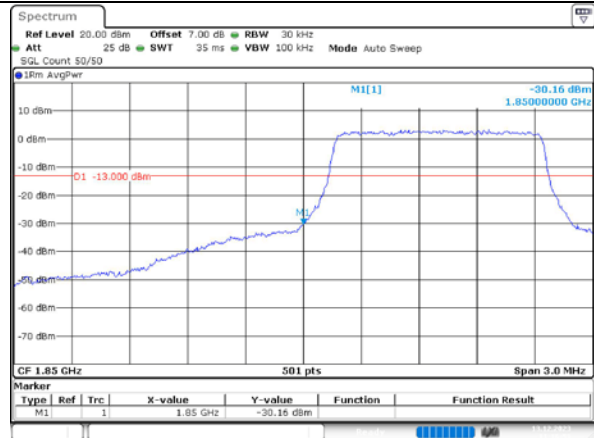
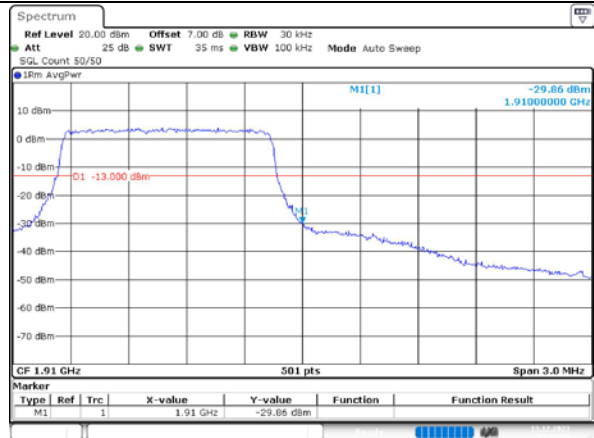
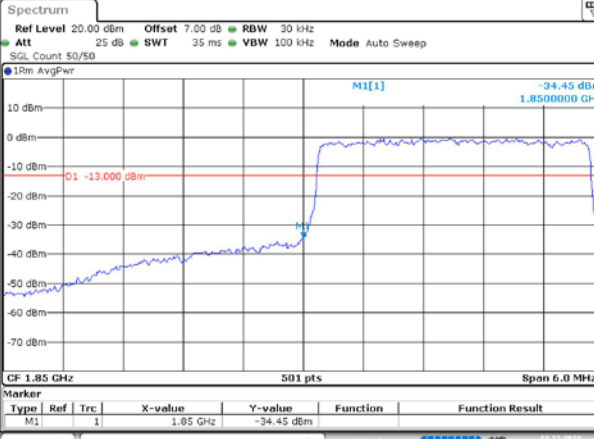
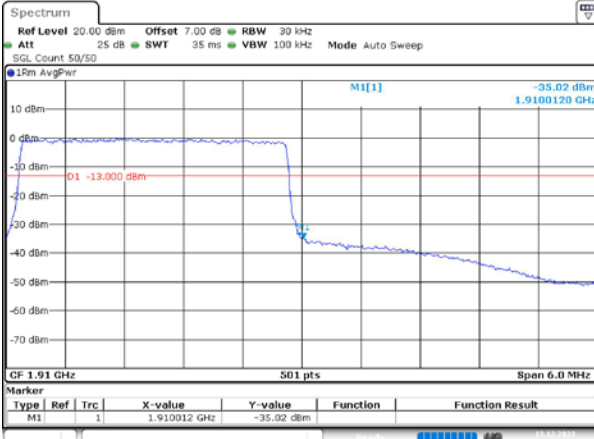
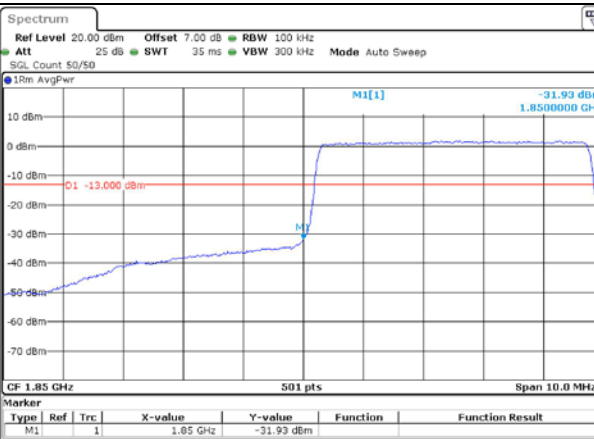
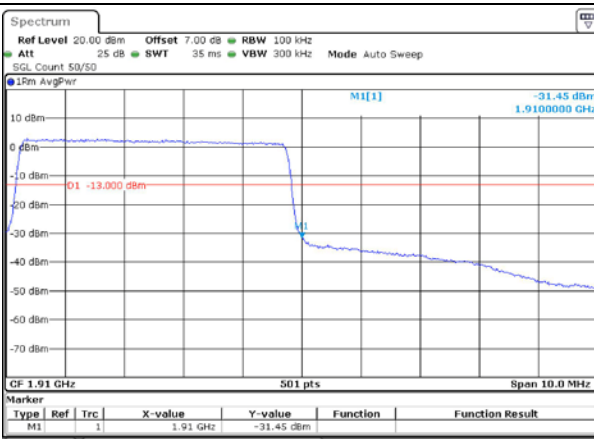
## Out of band emission, Band Edge

| Mode           | Lowest                                                                                                                                                                 | Highest                                                                                                                                                                 |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| QPSK<br>1.4MHz |  <p>ProjectNo.:CR231272455-RF Testers:Claire Liu<br/>Date: 13.DEC.2023 11:16:47</p>   |  <p>ProjectNo.:CR231272455-RF Testers:Claire Liu<br/>Date: 13.DEC.2023 11:17:02</p>   |
| QPSK<br>3MHz   |  <p>ProjectNo.:CR231272455-RF Testers:Claire Liu<br/>Date: 13.DEC.2023 11:17:54</p>  |  <p>ProjectNo.:CR231272455-RF Testers:Claire Liu<br/>Date: 13.DEC.2023 11:18:08</p>  |
| QPSK<br>5MHz   |  <p>ProjectNo.:CR231272455-RF Testers:Claire Liu<br/>Date: 13.DEC.2023 11:19:15</p> |  <p>ProjectNo.:CR231272455-RF Testers:Claire Liu<br/>Date: 13.DEC.2023 11:19:30</p> |

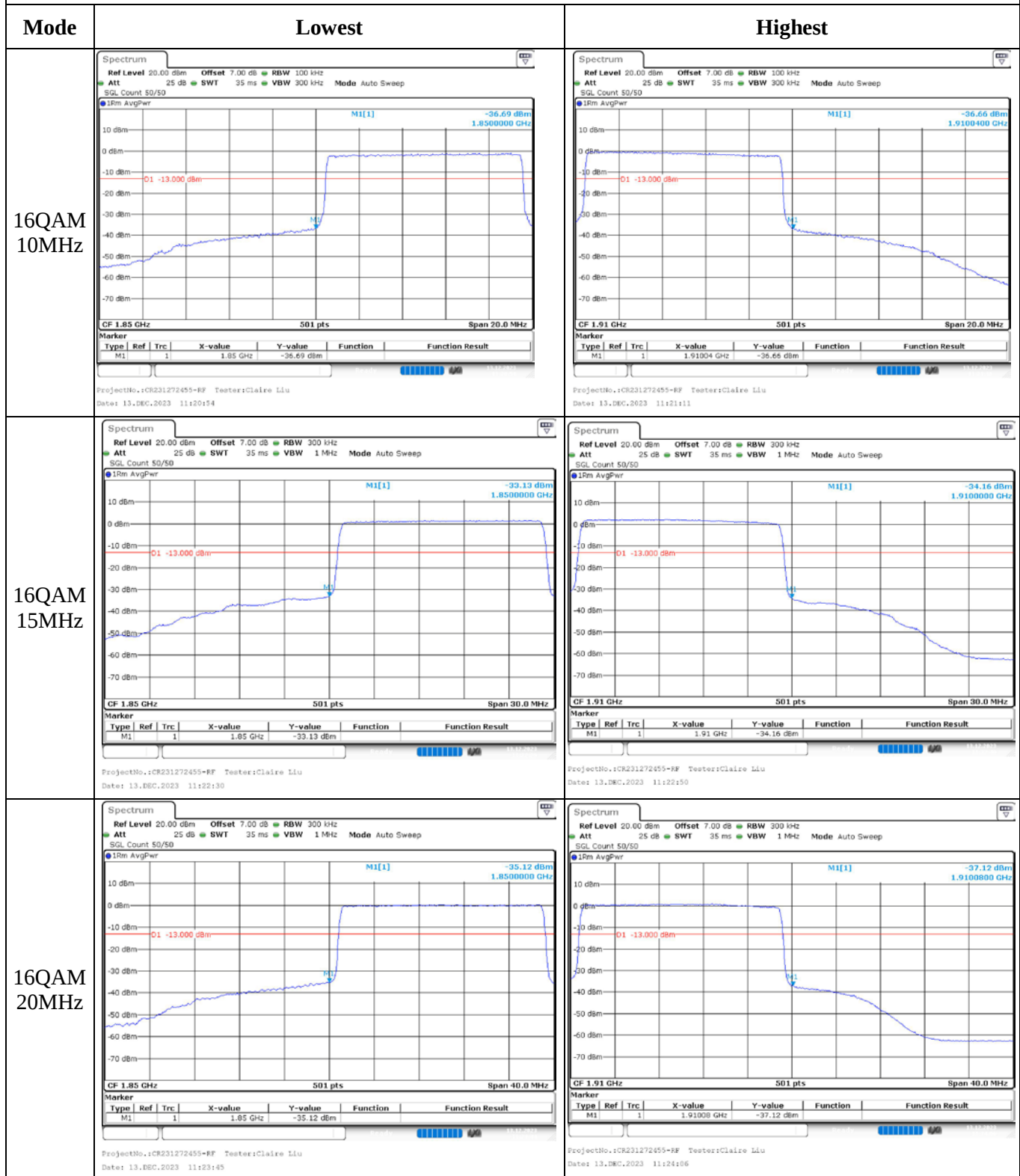
## Out of band emission, Band Edge



## Out of band emission, Band Edge

| Mode            | Lowest                                                                                                                                                                 | Highest                                                                                                                                                                 |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16QAM<br>1.4MHz |  <p>ProjectNo.:CR231272455-RF Testers:Claire Liu<br/>Date: 13.DEC.2023 11:16:14</p>   |  <p>ProjectNo.:CR231272455-RF Testers:Claire Liu<br/>Date: 13.DEC.2023 11:17:09</p>   |
| 16QAM<br>3MHz   |  <p>ProjectNo.:CR231272455-RF Testers:Claire Liu<br/>Date: 13.DEC.2023 11:18:01</p>  |  <p>ProjectNo.:CR231272455-RF Testers:Claire Liu<br/>Date: 13.DEC.2023 11:18:15</p>  |
| 16QAM<br>5MHz   |  <p>ProjectNo.:CR231272455-RF Testers:Claire Liu<br/>Date: 13.DEC.2023 11:19:22</p> |  <p>ProjectNo.:CR231272455-RF Testers:Claire Liu<br/>Date: 13.DEC.2023 11:19:37</p> |

## Out of band emission, Band Edge



**4.7 Antenna Port Test Data and Results for LTE Band 4**

|                |            |              |                       |
|----------------|------------|--------------|-----------------------|
| Serial Number: | 2EOC-1     | Test Date:   | 2023/12/13~2023/12/19 |
| Test Site:     | RF         | Test Mode:   | Transmitting          |
| Tester:        | Claire Liu | Test Result: | Pass                  |

**Environmental Conditions:**

|                      |       |                              |       |                        |       |
|----------------------|-------|------------------------------|-------|------------------------|-------|
| Temperature:<br>(°C) | 18~22 | Relative<br>Humidity:<br>(%) | 36~54 | ATM Pressure:<br>(kPa) | 101.5 |
|----------------------|-------|------------------------------|-------|------------------------|-------|

**Test Equipment List and Details:**

| Manufacturer  | Description                         | Model      | Serial Number   | Calibration Date | Calibration Due Date |
|---------------|-------------------------------------|------------|-----------------|------------------|----------------------|
| R&S           | Spectrum Analyzer                   | FSV40      | 101590          | 2023/11/16       | 2024/11/15           |
| zhuoxiang     | Coaxial Cable                       | SMA-178    | 211001          | Each time        | N/A                  |
| YINSAIGE      | Coaxial Cable                       | SS402      | SJ0100001       | Each time        | N/A                  |
| Mini-Circuits | DC Block                            | BLK-18-S+  | 1554403         | Each time        | N/A                  |
| Weinschel     | Power Splitter                      | 1515       | RA914           | Each time        | N/A                  |
| R&S           | Wideband Radio Communication Tester | CMW500     | 149218          | 2023/3/31        | 2024/3/30            |
| BACL          | EMP&HUMI Test Chamber               | BTH-150-40 | 30174           | 2023/3/31        | 2024/3/30            |
| UNI-T         | Multimeter                          | UT39A+     | C210582554      | N/A              | N/A                  |
| ZHAOXIN       | DC Power Supply                     | RXN-6010D  | 21R6010D0912386 | N/A              | N/A                  |

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

**Test Frequency For Each Mode:**

| Operation Bandwidth | Lowest Frequency (MHz) | Middle Frequency (MHz) | Highest Frequency (MHz) |
|---------------------|------------------------|------------------------|-------------------------|
| 1.4MHz              | 1710.7                 | 1732.5                 | 1754.3                  |
| 3MHz                | 1711.5                 | 1732.5                 | 1753.5                  |
| 5MHz                | 1712.5                 | 1732.5                 | 1752.5                  |
| 10MHz               | 1715                   | 1732.5                 | 1750                    |
| 15MHz               | 1717.5                 | 1732.5                 | 1747.5                  |
| 20MHz               | 1720                   | 1732.5                 | 1745                    |

**Test Data:****RF Output Power**

| Test Bandwidth & Modulation | Resource Block & RB offset | Conducted Average Output Power(dBm) |                |                 | Maximum EIRP (dBm) | EIRP Limit (dBm) |
|-----------------------------|----------------------------|-------------------------------------|----------------|-----------------|--------------------|------------------|
|                             |                            | Lowest Channel                      | Middle Channel | Highest Channel |                    |                  |
| 1.4MHz QPSK                 | RB1#0                      | 22.38                               | 22.22          | 22.2            | 21.87              | 30               |
|                             | RB1#3                      | <b>22.5</b>                         | 22.44          | 22.32           |                    |                  |
|                             | RB1#5                      | 22.35                               | 22.22          | 22.18           |                    |                  |
|                             | RB3#0                      | 22.43                               | 22.3           | 22.28           |                    |                  |
|                             | RB3#3                      | 22.45                               | 22.31          | 22.2            |                    |                  |
|                             | RB6#0                      | 21.43                               | 21.28          | 21.3            |                    |                  |
| 1.4MHz 16QAM                | RB1#0                      | 21.44                               | 21.2           | 21.23           | 20.99              | 30               |
|                             | RB1#3                      | <b>21.62</b>                        | 21.35          | 21.32           |                    |                  |
|                             | RB1#5                      | 21.43                               | 21.21          | 21.25           |                    |                  |
|                             | RB3#0                      | 21.35                               | 21.34          | 21.45           |                    |                  |
|                             | RB3#3                      | 21.34                               | 21.32          | 21.44           |                    |                  |
|                             | RB6#0                      | 20.5                                | 20.3           | 20.34           |                    |                  |
| 3MHz QPSK                   | RB1#0                      | <b>22.59</b>                        | 22.47          | 22.4            | 21.96              | 30               |
|                             | RB1#8                      | 22.58                               | 22.42          | 22.41           |                    |                  |
|                             | RB1#14                     | 22.58                               | 22.42          | 22.45           |                    |                  |
|                             | RB6#0                      | 21.52                               | 21.43          | 21.42           |                    |                  |
|                             | RB6#9                      | 21.55                               | 21.41          | 21.42           |                    |                  |
|                             | RB15#0                     | 21.54                               | 21.45          | 21.37           |                    |                  |
| 3MHz 16QAM                  | RB1#0                      | 21.56                               | <b>21.98</b>   | 21.49           | 21.35              | 30               |
|                             | RB1#8                      | 21.54                               | 21.94          | 21.53           |                    |                  |
|                             | RB1#14                     | 21.52                               | 21.93          | 21.52           |                    |                  |
|                             | RB6#0                      | 20.49                               | 20.55          | 20.4            |                    |                  |
|                             | RB6#9                      | 20.51                               | 20.53          | 20.41           |                    |                  |
|                             | RB15#0                     | 20.64                               | 20.54          | 20.35           |                    |                  |
| 5MHz QPSK                   | RB1#0                      | 22.43                               | 22.28          | 22.25           | 21.91              | 30               |
|                             | RB1#13                     | <b>22.54</b>                        | 22.46          | 22.39           |                    |                  |
|                             | RB1#24                     | 22.36                               | 22.26          | 22.29           |                    |                  |
|                             | RB15#0                     | 21.53                               | 21.39          | 21.32           |                    |                  |
|                             | RB15#10                    | 21.48                               | 21.41          | 21.36           |                    |                  |
|                             | RB25#0                     | 21.46                               | 21.36          | 21.32           |                    |                  |
| 5MHz 16QAM                  | RB1#0                      | 21.47                               | 21.2           | 21.44           | 20.98              | 30               |
|                             | RB1#13                     | 21.58                               | 21.3           | <b>21.61</b>    |                    |                  |
|                             | RB1#24                     | 21.43                               | 21.16          | 21.51           |                    |                  |
|                             | RB15#0                     | 20.59                               | 20.46          | 20.26           |                    |                  |
|                             | RB15#10                    | 20.53                               | 20.48          | 20.29           |                    |                  |
|                             | RB25#0                     | 20.54                               | 20.46          | 20.31           |                    |                  |
| 10MHz QPSK                  | RB1#0                      | 22.45                               | 22.34          | 22.23           | 21.98              | 30               |
|                             | RB1#25                     | <b>22.61</b>                        | 22.55          | 22.49           |                    |                  |
|                             | RB1#49                     | 22.48                               | 22.34          | 22.35           |                    |                  |

|             |         |              |              |       |       |    |
|-------------|---------|--------------|--------------|-------|-------|----|
|             | RB25#0  | 21.52        | 21.41        | 21.3  |       |    |
|             | RB25#25 | 21.44        | 21.43        | 21.43 |       |    |
|             | RB50#0  | 21.45        | 21.43        | 21.36 |       |    |
| 10MHz 16QAM | RB1#0   | 21.39        | 21.87        | 21.33 | 21.47 | 30 |
|             | RB1#25  | 21.54        | <b>22.1</b>  | 21.59 |       |    |
|             | RB1#49  | 21.4         | 21.85        | 21.43 |       |    |
|             | RB25#0  | 20.67        | 20.51        | 20.4  |       |    |
|             | RB25#25 | 20.59        | 20.55        | 20.42 |       |    |
|             | RB50#0  | 20.54        | 20.5         | 20.41 |       |    |
| 15MHz QPSK  | RB1#0   | 22.31        | 22.23        | 22.12 | 21.8  | 30 |
|             | RB1#38  | <b>22.43</b> | 22.4         | 22.33 |       |    |
|             | RB1#74  | 22.3         | 22.21        | 22.23 |       |    |
|             | RB36#0  | 21.5         | 21.42        | 21.33 |       |    |
|             | RB36#39 | 21.49        | 21.45        | 21.44 |       |    |
|             | RB75#0  | 21.51        | 21.44        | 21.39 |       |    |
| 15MHz 16QAM | RB1#0   | 21.67        | 21.76        | 21.23 | 21.28 | 30 |
|             | RB1#38  | 21.8         | <b>21.91</b> | 21.43 |       |    |
|             | RB1#74  | 21.67        | 21.68        | 21.31 |       |    |
|             | RB36#0  | 20.52        | 20.4         | 20.34 |       |    |
|             | RB36#39 | 20.49        | 20.45        | 20.35 |       |    |
|             | RB75#0  | 20.53        | 20.45        | 20.4  |       |    |
| 20MHz QPSK  | RB1#0   | 22.12        | 21.89        | 21.7  | 21.95 | 30 |
|             | RB1#50  | <b>22.58</b> | 22.34        | 22.01 |       |    |
|             | RB1#99  | 22.16        | 21.88        | 21.59 |       |    |
|             | RB50#0  | 21.47        | 21.2         | 20.76 |       |    |
|             | RB50#50 | 21.41        | 21.21        | 20.88 |       |    |
|             | RB100#0 | 21.48        | 21.22        | 20.81 |       |    |
| 20MHz 16QAM | RB1#0   | 21.65        | 21.29        | 20.92 | 21.52 | 30 |
|             | RB1#50  | <b>22.15</b> | 21.67        | 21.29 |       |    |
|             | RB1#99  | 21.66        | 21.22        | 20.92 |       |    |
|             | RB50#0  | 20.59        | 20.11        | 19.91 |       |    |
|             | RB50#50 | 20.32        | 20.09        | 20.05 |       |    |
|             | RB100#0 | 20.38        | 20.13        | 20.03 |       |    |

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

Result:

Pass

| <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                      | 4.93                      | 5.3            | 4.84            | 13          |
|                                   | RB100#0                    | 4.23                      | 4.23           | 3.94            | 13          |
| 20MHz 16QAM                       | RB1#0                      | 5.74                      | 6.46           | 5.45            | 13          |
|                                   | RB100#0                    | 5.83                      | 5.8            | 5.57            | 13          |
| <b>Result:</b>                    |                            |                           |                |                 | <b>Pass</b> |

| <b>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                        | 1.096          | 1.102        | 1.29                           | 1.302          | 1.308        |
| 1.4MHz 16QAM                                                         | 1.096                        | 1.102          | 1.09         | 1.284                          | 1.332          | 1.284        |
| 3MHz QPSK                                                            | 2.683                        | 2.683          | 2.695        | 2.88                           | 2.868          | 2.88         |
| 3MHz 16QAM                                                           | 2.683                        | 2.683          | 2.683        | 2.88                           | 2.88           | 2.868        |
| 5MHz QPSK                                                            | 4.511                        | 4.511          | 4.511        | 4.94                           | 4.96           | 4.98         |
| 5MHz 16QAM                                                           | 4.511                        | 4.491          | 4.511        | 4.98                           | 4.94           | 4.98         |
| 10MHz QPSK                                                           | 8.942                        | 8.942          | 8.942        | 9.6                            | 9.68           | 9.6          |
| 10MHz 16QAM                                                          | 8.942                        | 8.942          | 8.942        | 9.64                           | 9.56           | 9.64         |
| 15MHz QPSK                                                           | 13.473                       | 13.533         | 13.533       | 14.58                          | 14.82          | 14.82        |
| 15MHz 16QAM                                                          | 13.533                       | 13.533         | 13.533       | 14.7                           | 14.7           | 14.7         |
| 20MHz QPSK                                                           | 17.964                       | 18.044         | 17.964       | 19.52                          | 19.28          | 19.28        |
| 20MHz 16QAM                                                          | 17.964                       | 17.964         | 17.964       | 19.2                           | 19.44          | 19.36        |
| Note: The test plots please refer to the Plots of Occupied Bandwidth |                              |                |              |                                |                |              |

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

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

| Frequency Stability                 |                  |                                                            |                  |         |                  |             |
|-------------------------------------|------------------|------------------------------------------------------------|------------------|---------|------------------|-------------|
| Test Mode:                          | 20M QPSK         | Test Channel: Lowest for Lower Edge,Highest for Upper Edge |                  |         |                  |             |
| Test Item                           | Temperature (°C) | Voltage (V <sub>DC</sub> )                                 | Lower Edge (MHz) |         | Upper Edge (MHz) |             |
|                                     |                  |                                                            | Result           | Limit   | Result           | Limit       |
| Frequency Stability vs. Temperature | -30              | 3.87                                                       | 1710.264         | 1710.00 | 1754.671         | 1755        |
|                                     | -20              | 3.87                                                       | 1710.167         | 1710.00 | 1754.772         | 1755        |
|                                     | -10              | 3.87                                                       | 1710.214         | 1710.00 | 1754.629         | 1755        |
|                                     | 0                | 3.87                                                       | 1710.167         | 1710.00 | 1754.756         | 1755        |
|                                     | 10               | 3.87                                                       | 1710.206         | 1710.00 | 1754.690         | 1755        |
|                                     | 20               | 3.87                                                       | 1710.240         | 1710.00 | 1754.680         | 1755        |
|                                     | 30               | 3.87                                                       | 1710.223         | 1710.00 | 1754.627         | 1755        |
|                                     | 40               | 3.87                                                       | 1710.163         | 1710.00 | 1754.779         | 1755        |
|                                     | 50               | 3.87                                                       | 1710.257         | 1710.00 | 1754.581         | 1755        |
| Frequency Stability vs. Voltage     | 20               | 3.4                                                        | 1710.204         | 1710.00 | 1754.707         | 1755        |
|                                     | 20               | 4.4                                                        | 1710.321         | 1710.00 | 1754.773         | 1755        |
|                                     |                  |                                                            |                  |         | <b>Result:</b>   | <b>Pass</b> |

| Test Mode:                          | 20M 16QAM        | Test Channel: Lowest for Lower Edge,Highest for Upper Edge |                  |         |                  |             |
|-------------------------------------|------------------|------------------------------------------------------------|------------------|---------|------------------|-------------|
| Test Item                           | Temperature (°C) | Voltage (V <sub>DC</sub> )                                 | Lower Edge (MHz) |         | Upper Edge (MHz) |             |
|                                     |                  |                                                            | Result           | Limit   | Result           | Limit       |
| Frequency Stability vs. Temperature | -30              | 3.87                                                       | 1710.422         | 1710.00 | 1754.605         | 1755        |
|                                     | -20              | 3.87                                                       | 1710.359         | 1710.00 | 1754.709         | 1755        |
|                                     | -10              | 3.87                                                       | 1710.300         | 1710.00 | 1754.655         | 1755        |
|                                     | 0                | 3.87                                                       | 1710.477         | 1710.00 | 1754.586         | 1755        |
|                                     | 10               | 3.87                                                       | 1710.382         | 1710.00 | 1754.604         | 1755        |
|                                     | 20               | 3.87                                                       | 1710.400         | 1710.00 | 1754.680         | 1755        |
|                                     | 30               | 3.87                                                       | 1710.400         | 1710.00 | 1754.651         | 1755        |
|                                     | 40               | 3.87                                                       | 1710.349         | 1710.00 | 1754.734         | 1755        |
|                                     | 50               | 3.87                                                       | 1710.391         | 1710.00 | 1754.626         | 1755        |
| Frequency Stability vs. Voltage     | 20               | 3.4                                                        | 1710.398         | 1710.00 | 1754.717         | 1755        |
|                                     | 20               | 4.4                                                        | 1710.497         | 1710.00 | 1754.697         | 1755        |
|                                     |                  |                                                            |                  |         | <b>Result:</b>   | <b>Pass</b> |

**Test Plots**(Note: The 7.0dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

### Occupied Bandwidth

