## 4.6 Antenna Port Test Data and Results for WCDMA Band 5:

| | | | |
|---|---|---|---|
| Serial Number: | 291M-2 | Test Date: | 2023/08/04~2023/08/05 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | One Luo | Test Result: | **Pass** |

| **Environmental Conditions:** | | | | | |
|---|---|---|---|---|---|
| Temperature: (℃) | 24.2~26.5 | Relative Humidity: (%) | 42~58 | ATM Pressure: (kPa) | 99.7~102.2 |

**Test Equipment List and Details:**

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| R&S | Spectrum Analyzer | FSV40 | 101474 | 2023/07/15 | 2024/07/14 |
| zhuoxiang | Coaxial Cable | SMA-178 | 211001 | Each time | N/A |
| YINSAIGE | Coaxial Cable | SS402 | SJ0100001 | Each time | N/A |
| Mini-Circuits | DC Block | BLK-18-S+ | 1554403 | Each time | N/A |
| Unknow | Coaxial tee connector | Unknow | 2204004 | Each time | N/A |
| R&S | Wideband Radio Communication Tester | CMW500 | 149218 | 2023/07/15 | 2024/07/14 |
| BACL | TEMP&HUMI Test Chamber | BTH-150-40 | 30174 | 2022/09/29 | 2023/09/28 |
| UNI-T | Multimeter | UT39A+ | C210582554 | 2022/9/29 | 2023/9/28 |
| 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:**

| 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 | 22.58 | 22.89 | 23.15 | 14.93 | 38.45 |
| HSDPA Subtest 1 | 22.45 | 22.79 | 22.95 | 14.73 | 38.45 |
| HSDPA Subtest 2 | 22.28 | 22.74 | 22.3 | 14.52 | 38.45 |
| HSDPA Subtest 3 | 22.23 | 22.25 | 22.24 | 14.03 | 38.45 |
| HSDPA Subtest 4 | 22.2 | 22.54 | 22.4 | 14.32 | 38.45 |
| HSUPA Subtest 1 | 22.27 | 22.69 | 22.46 | 14.47 | 38.45 |
| HSUPA Subtest 2 | 22.2 | 22.25 | 22.22 | 14.03 | 38.45 |
| HSUPA Subtest 3 | 22.05 | 22.59 | 22.49 | 14.37 | 38.45 |
| HSUPA Subtest 4 | 21.92 | 22.18 | 22.11 | 13.96 | 38.45 |
| HSUPA Subtest 5 | 21.74 | 22.2 | 22.32 | 14.1 | 38.45 |
| DC-HSDPA Subtest 1 | 21.77 | 21.86 | 22.15 | 13.93 | 38.45 |
| DC-HSDPA Subtest 2 | 21.76 | 22.17 | 21.83 | 13.95 | 38.45 |
| DC-HSDPA Subtest 3 | 21.68 | 22.02 | 22.1 | 13.88 | 38.45 |
| DC-HSDPA Subtest 4 | 21.54 | 22.04 | 21.95 | 13.82 | 38.45 |
| HSPA+ Subtest 1 | 21.4 | 21.66 | 21.78 | 13.56 | 38.45 |

Note:
ERP= Conducted Power(dBm) - $L_C$(dB) + $G_T$(dBd)
$G_T$(dBd)=$G_T$(dBi)-2.15

**Result:** **Pass**

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

| Test Mode | Peak-to-average Ratio(dB) | | | Limit (dB) |
|---|---|---|---|---|
| | Lowest Channel | Middle Channel | Highest Channel | |
| WCDMA R99 | 3.54 | 3.01 | 3.13 | 13 |
| HSDPA | 4.61 | 5.1 | 4.72 | 13 |
| HSUPA | 5.83 | 5.16 | 5.65 | 13 |

**Result:** **Pass**

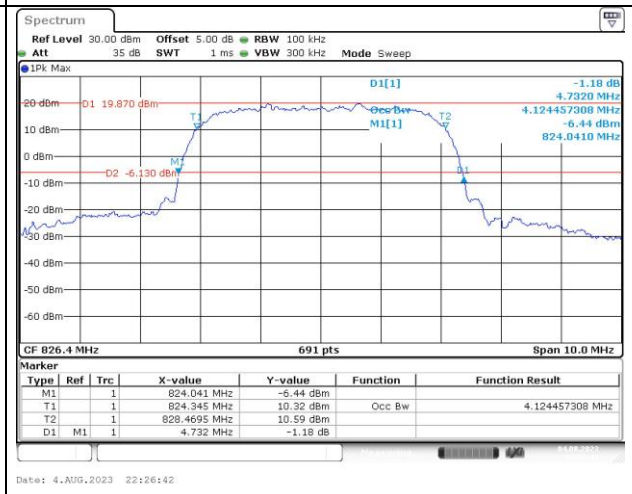
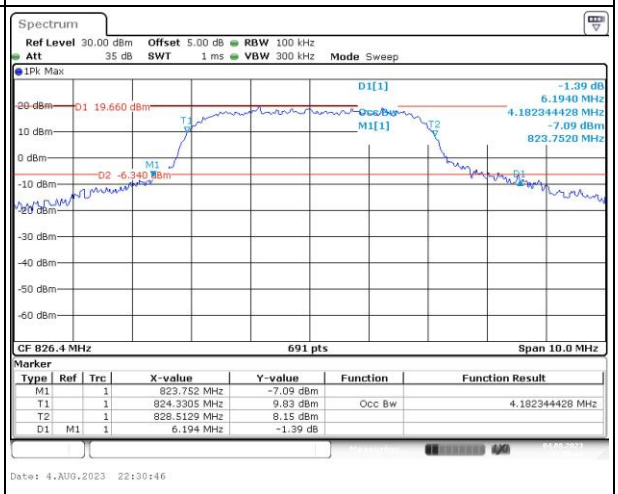
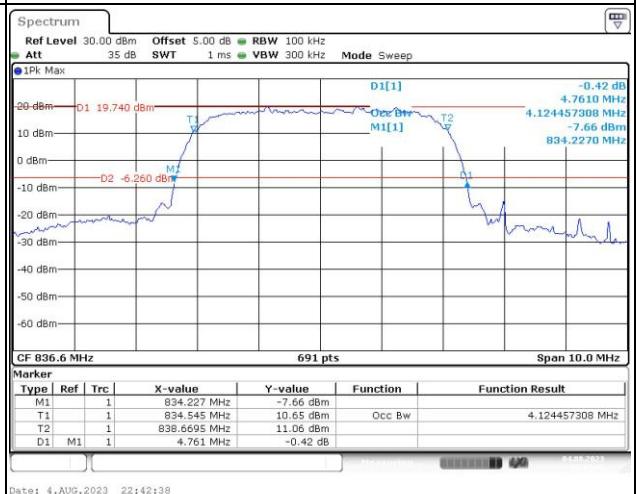
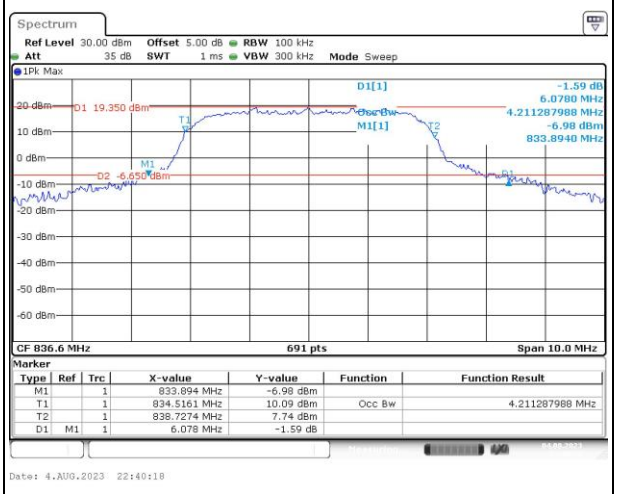
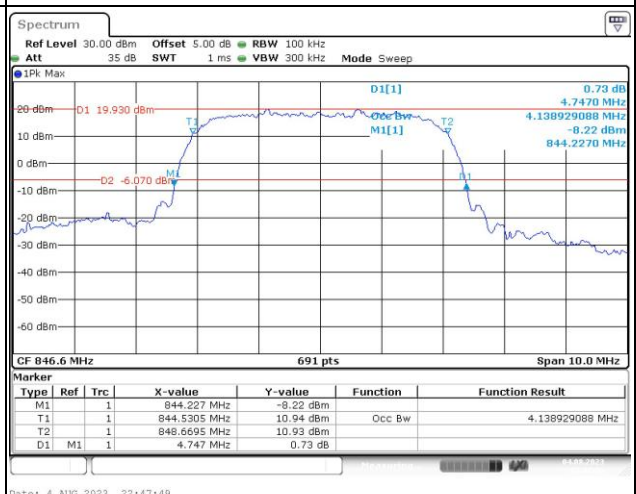
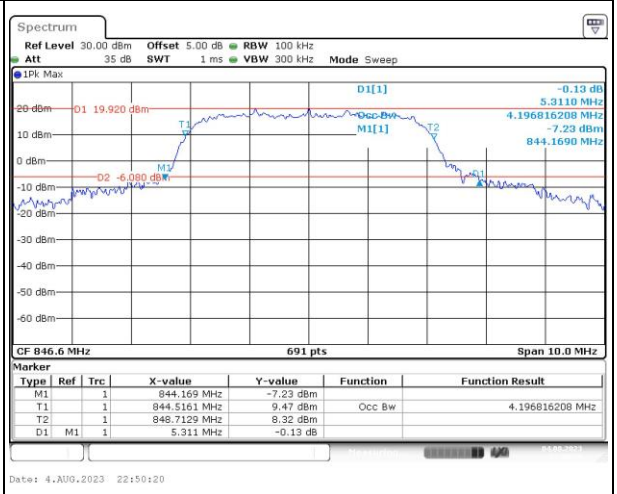
| FCC §2.1049, §22.917, §22.905:Occupied Bandwidth | | | | | | |
|---|---|---|---|---|---|---|
| Operation Mode | 99% Occupied Bandwidth (MHz) | | | 26 dB Occupied Bandwidth (MHz) | | |
| | Low Channel | Middle channel | High Channel | Low Channel | Middle Channel | High Channel |
| WCDMA R99 | 4.124 | 4.124 | 4.139 | 4.732 | 4.761 | 4.747 |
| HSDPA | 4.182 | 4.211 | 4.197 | 6.194 | 6.078 | 5.311 |
| HSUPA | 4.24 | 4.255 | 4.255 | 6.223 | 6.382 | 6.281 |
| Note: The test plots please refer to the Plots of Occupied Bandwidth | | | | | | |

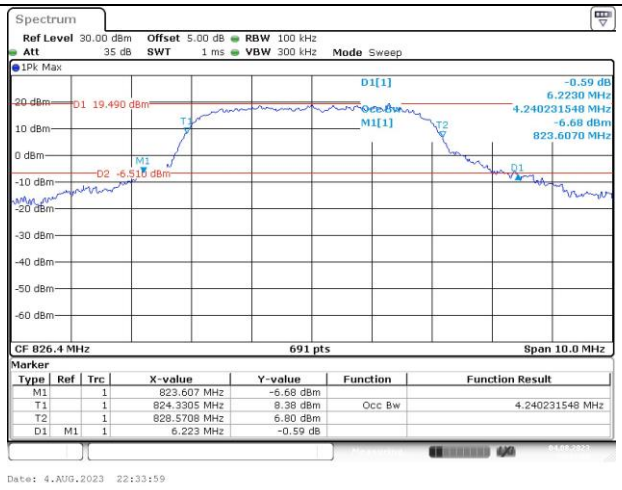
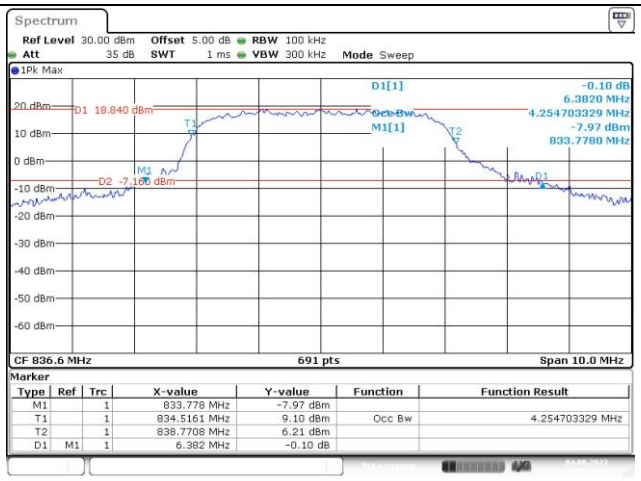
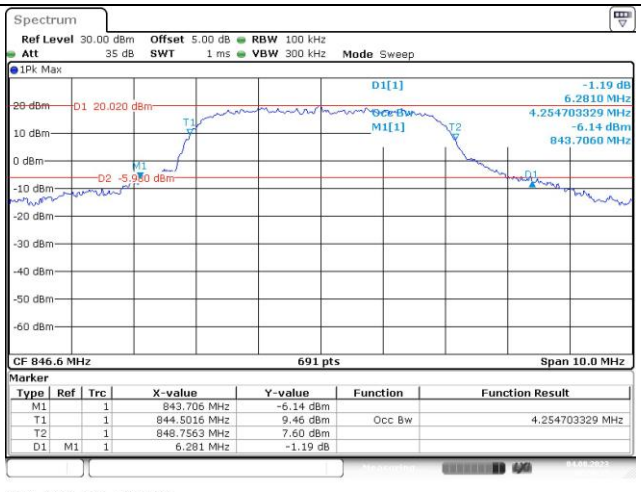
| FCC §2.1051, §22.917(a):Spurious Emissions at Antenna Terminal | |
|---|---|
| **Result:** | **Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.** |

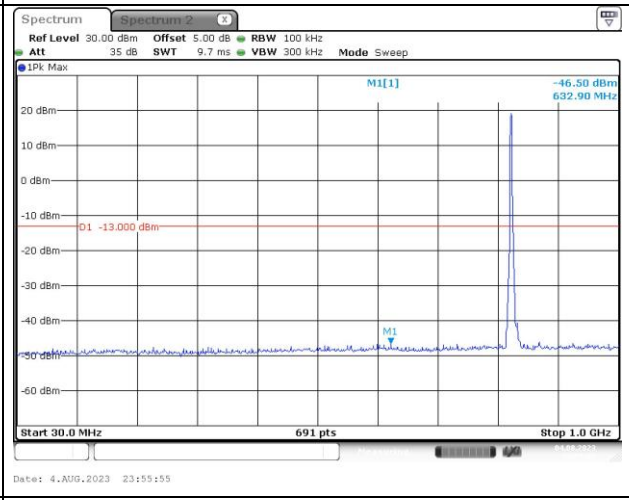
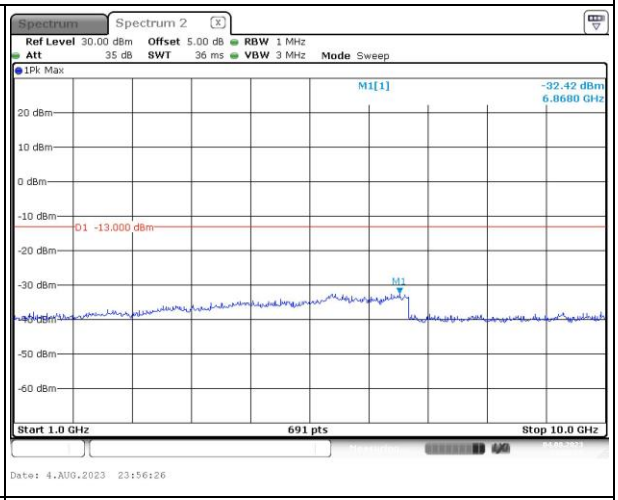
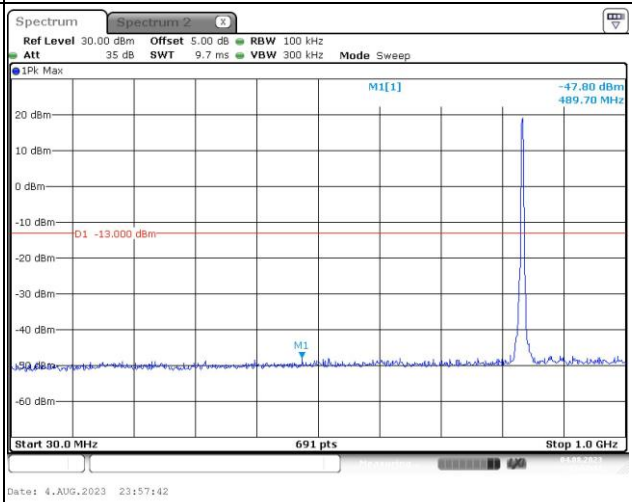
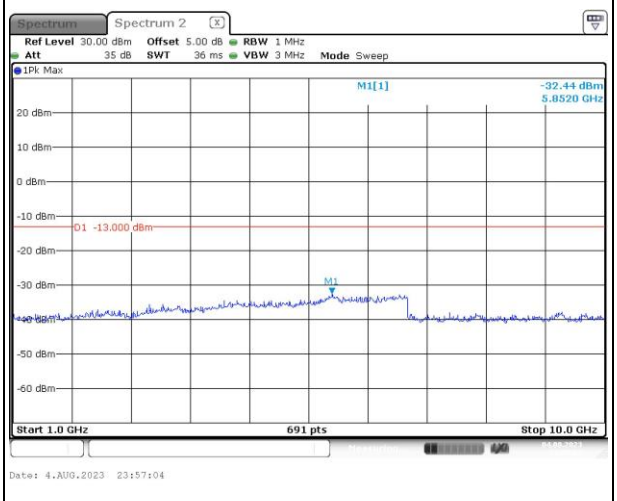
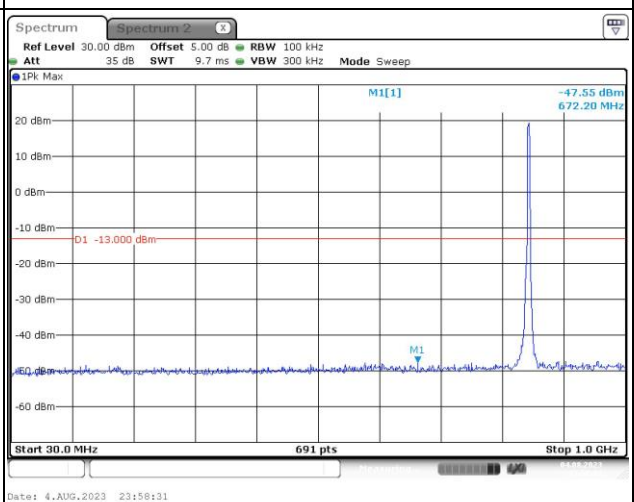
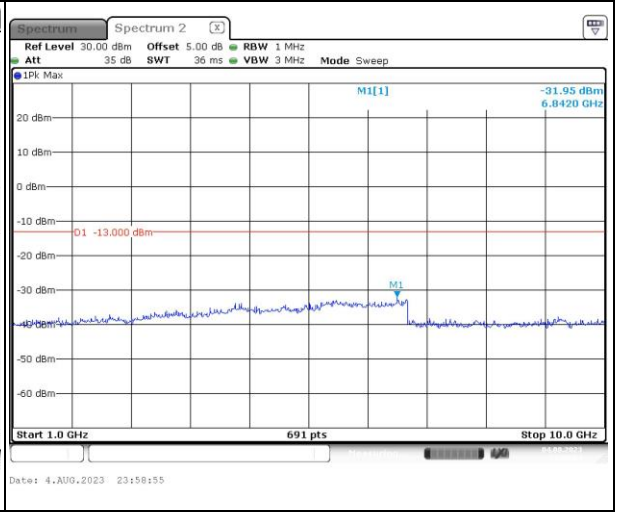
| FCC §2.1051, §22.917(a):Out of band emission, Band Edge | |
|---|---|
| **Result:** | **Pass, Please refer to the test plots of Out of band emission, Band Edge.** |

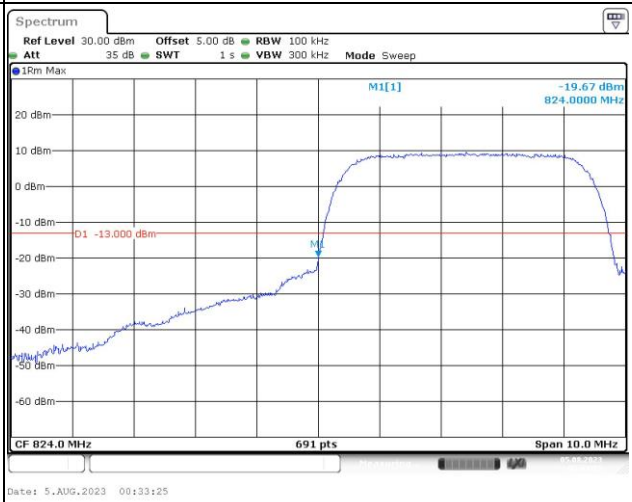
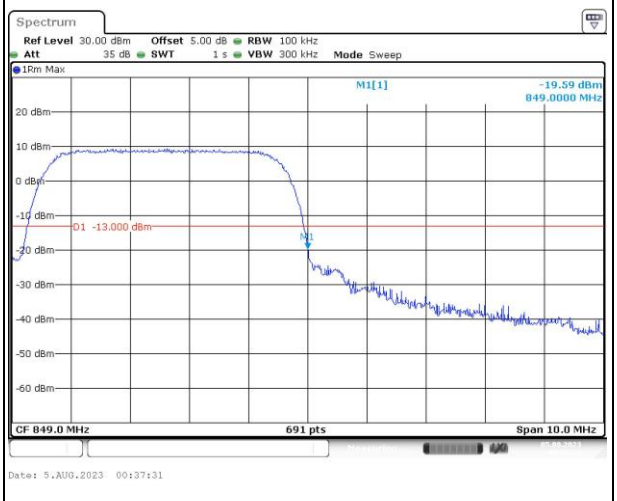
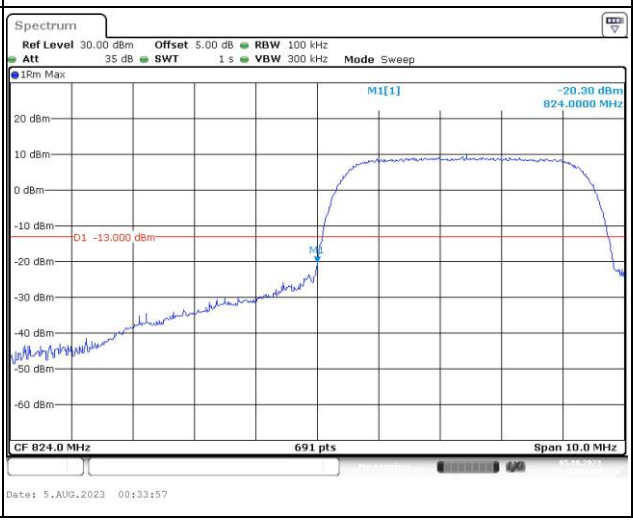
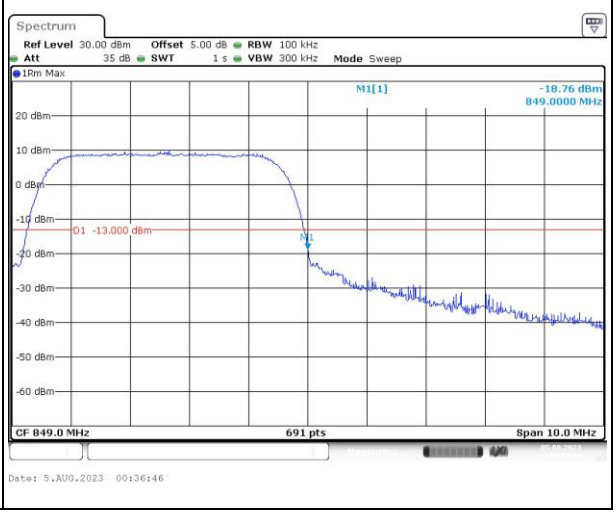
| FCC §2.1055, §22.355: Frequency Stability | | | | | |
|---|---|---|---|---|---|
| Test Modulation: | WCDMA R99 | | Test Channel: | 836.6 | MHz |
| Test Item | Temperature (℃) | Voltage ($V_{DC}$) | Frequency Error | | Limit |
| | | | (Hz) | (ppm) | (ppm) |
| Frequency Stability vs. Temperature | -30 | 3.8 | -3.25 | -0.004 | 2.5 |
| | -20 | 3.8 | -6.65 | -0.008 | 2.5 |
| | -10 | 3.8 | 9.78 | 0.012 | 2.5 |
| | 0 | 3.8 | -7.66 | -0.009 | 2.5 |
| | 10 | 3.8 | -9.94 | -0.012 | 2.5 |
| | 20 | 3.8 | -9.82 | -0.012 | 2.5 |
| | 30 | 3.8 | -6.64 | -0.008 | 2.5 |
| | 40 | 3.8 | -8.85 | -0.011 | 2.5 |
| | 50 | 3.8 | 5.64 | 0.007 | 2.5 |
| Frequency Stability vs. Voltage | 20 | 3.55 | 6.06 | 0.007 | 2.5 |
| | 20 | 4.35 | 7.59 | 0.009 | 2.5 |
| | | | | **Result:** | **Pass** |

**Test Plots**(Note: The 5.0dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer)**:**

| **Occupied Bandwidth** | | |
|---|---|---|
| **Channel** | WCDMA R99 | HSDPA |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

| Occupied Bandwidth | |
|---|---|
| **Channel** | HSUPA |
| Lowest |  |
| Middle |  |
| Highest |  |

| Spurious Emissions at Antenna Terminal | | |
|---|---|---|
| **Channel** | WCDMA R99 | |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

| Out of band emission, Band Edge | | |
|---|---|---|
| **Mode** | **Lowest** | **Highest** |
| R99 |  |  |
| HSUPA |  |  |
| HSDPA |  |  |

## 4.7 Antenna Port Test Data and Results for LTE Band 2

| | | | |
|---|---|---|---|
| Serial Number: | 291M-2 | Test Date: | 2023/08/05~2023/08/07 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | One Luo | Test Result: | Pass |

| **Environmental Conditions:** | | | | | |
|---|---|---|---|---|---|
| Temperature: (℃) | 24.2~26.5 | Relative Humidity: (%) | 42~58 | ATM Pressure: (kPa) | 99.7~102.2 |

**Test Equipment List and Details:**

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| R&S | Spectrum Analyzer | FSV40 | 101474 | 2023/07/15 | 2024/07/14 |
| zhuoxiang | Coaxial Cable | SMA-178 | 211001 | Each time | N/A |
| YINSAIGE | Coaxial Cable | SS402 | SJ0100001 | Each time | N/A |
| Mini-Circuits | DC Block | BLK-18-S+ | 1554403 | Each time | N/A |
| Weinschel | Power Splitter | 1515 | RA914 | Each time | N/A |
| R&S | Wideband Radio Communication Tester | CMW500 | 149218 | 2023/07/15 | 2024/07/14 |
| BACL | TEMP&HUMI Test Chamber | BTH-150-40 | 30174 | 2022/09/29 | 2023/09/28 |
| UNI-T | Multimeter | UT39A+ | C210582554 | 2022/9/29 | 2023/9/28 |
| 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 | 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 | 23.15 | 23.32 | 22.99 | 19.14 | 33 |
| | RB1#3 | 23.2 | 23.36 | 22.77 | | |
| | RB1#5 | 22.98 | 23.08 | 22.64 | | |
| | RB3#0 | 23.11 | 23.14 | 22.79 | | |
| | RB3#3 | 23.02 | 23.06 | 22.68 | | |
| | RB6#0 | 21.95 | 22 | 21.79 | | |
| 1.4MHz 16QAM | RB1#0 | 22.07 | 22.12 | 21.95 | 18.26 | 33 |
| | RB1#3 | 22.26 | 22.48 | 21.75 | | |
| | RB1#5 | 22.06 | 22.46 | 21.61 | | |
| | RB3#0 | 22.01 | 22.06 | 22.01 | | |
| | RB3#3 | 22.11 | 21.92 | 21.71 | | |
| | RB6#0 | 20.74 | 21.15 | 20.95 | | |
| 3MHz QPSK | RB1#0 | 23.23 | 23.11 | 22.81 | 19.1 | 33 |
| | RB1#8 | 23.2 | 22.99 | 22.57 | | |
| | RB1#14 | 23.05 | 23.32 | 22.73 | | |
| | RB6#0 | 22.01 | 22.12 | 21.83 | | |
| | RB6#9 | 22.04 | 21.96 | 21.8 | | |
| | RB15#0 | 21.94 | 22.13 | 21.95 | | |
| 3MHz 16QAM | RB1#0 | 22.88 | 22.39 | 22.14 | 18.66 | 33 |
| | RB1#8 | 22.28 | 22.43 | 21.3 | | |
| | RB1#14 | 22.2 | 22.44 | 21.28 | | |
| | RB6#0 | 20.86 | 21.46 | 21.06 | | |
| | RB6#9 | 20.96 | 21.55 | 20.97 | | |
| | RB15#0 | 20.95 | 21.32 | 21 | | |
| 5MHz QPSK | RB1#0 | 23.36 | 23.05 | 22.79 | 19.18 | 33 |
| | RB1#13 | 23.4 | 22.95 | 22.7 | | |
| | RB1#24 | 23.14 | 23.15 | 22.81 | | |
| | RB15#0 | 22 | 22.15 | 21.9 | | |
| | RB15#10 | 22.05 | 22.1 | 21.78 | | |
| | RB25#0 | 22.06 | 22.17 | 21.89 | | |
| 5MHz 16QAM | RB1#0 | 22.19 | 21.86 | 21.37 | 18.31 | 33 |
| | RB1#13 | 22.48 | 21.63 | 21.08 | | |
| | RB1#24 | 22.53 | 21.61 | 21.02 | | |
| | RB15#0 | 20.7 | 21.19 | 21.13 | | |
| | RB15#10 | 20.87 | 21.14 | 20.64 | | |
| | RB25#0 | 20.9 | 21.11 | 20.99 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 10MHz QPSK | RB1#0 | 23.12 | 23.17 | 23.16 | 19.16 | 33 |
| | RB1#25 | 23.29 | 23.38 | 23.07 | | |
| | RB1#49 | 23.09 | 23.17 | 22.31 | | |
| | RB25#0 | 22.13 | 21.93 | 22.05 | | |
| | RB25#25 | 22.19 | 22.07 | 21.87 | | |
| | RB50#0 | 22.13 | 21.95 | 21.99 | | |
| 10MHz 16QAM | RB1#0 | 22.29 | 21.55 | 22.31 | 18.41 | 33 |
| | RB1#25 | 22.63 | 21.58 | 22.62 | | |
| | RB1#49 | 22.55 | 21.54 | 21.69 | | |
| | RB25#0 | 21.09 | 21.13 | 21.04 | | |
| | RB25#25 | 21.24 | 21.1 | 20.91 | | |
| | RB50#0 | 21.07 | 21.08 | 21.06 | | |
| 15MHz QPSK | RB1#0 | 23.33 | 23.06 | 22.88 | 19.11 | 33 |
| | RB1#38 | 23.15 | 22.97 | 22.93 | | |
| | RB1#74 | 23.32 | 23.19 | 22.33 | | |
| | RB36#0 | 22.19 | 21.94 | 22.02 | | |
| | RB36#39 | 22.18 | 22 | 21.93 | | |
| | RB75#0 | 22.11 | 22.07 | 21.84 | | |
| 15MHz 16QAM | RB1#0 | 22.35 | 22.52 | 21.86 | 18.78 | 33 |
| | RB1#38 | 22.23 | 22.69 | 21.9 | | |
| | RB1#74 | 22.46 | 23 | 21.25 | | |
| | RB36#0 | 20.89 | 20.92 | 20.91 | | |
| | RB36#39 | 20.9 | 20.82 | 20.99 | | |
| | RB75#0 | 20.95 | 20.98 | 20.87 | | |
| 20MHz QPSK | RB1#0 | 22.92 | 23.19 | 22.89 | 19.54 | 33 |
| | RB1#50 | 23.4 | 23.76 | 23.27 | | |
| | RB1#99 | 23.24 | 23.32 | 22.22 | | |
| | RB50#0 | 22.18 | 22 | 22.06 | | |
| | RB50#50 | 22.28 | 22.07 | 21.93 | | |
| | RB100#0 | 22.16 | 21.98 | 21.89 | | |
| 20MHz 16QAM | RB1#0 | 22.26 | 22.01 | 22.65 | 18.78 | 33 |
| | RB1#50 | 22.8 | 22.07 | 23 | | |
| | RB1#99 | 22.32 | 21.79 | 21.91 | | |
| | RB50#0 | 21.05 | 20.99 | 20.86 | | |
| | RB50#50 | 21.07 | 20.96 | 20.98 | | |
| | RB100#0 | 21 | 20.99 | 20.98 | | |
| Note: EIRP=Conducted Power(dBm) - $L_C$(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 | 4.75 | 4.78 | 4.7 | 13 |
| | RB100#0 | 3.97 | 4.03 | 3.94 | 13 |
| 20MHz 16QAM | RB1#0 | 5.8 | 5.57 | 5.68 | 13 |
| | RB100#0 | 5.77 | 5.83 | 5.77 | 13 |
| | | | | **Result:** | **Pass** |

| **FCC §2.1049, §24.238:Occupied Bandwidth** | | | | | | |
|---|---|---|---|---|---|---|
| Operation Mode | 99% Occupied Bandwidth (MHz) | | | 26 dB Occupied Bandwidth (MHz) | | |
| | Low Channel | Middle channel | High Channel | Low Channel | Middle Channel | High Channel |
| 1.4MHz QPSK | 1.108 | 1.102 | 1.108 | 1.29 | 1.302 | 1.32 |
| 1.4MHz 16QAM | 1.102 | 1.108 | 1.096 | 1.314 | 1.32 | 1.296 |
| 3MHz QPSK | 2.695 | 2.683 | 2.695 | 2.94 | 2.964 | 2.94 |
| 3MHz 16QAM | 2.683 | 2.683 | 2.683 | 2.964 | 2.94 | 2.964 |
| 5MHz QPSK | 4.531 | 4.511 | 4.511 | 5.02 | 5.04 | 4.98 |
| 5MHz 16QAM | 4.511 | 4.531 | 4.511 | 5.02 | 5.06 | 5.06 |
| 10MHz QPSK | 8.942 | 8.942 | 8.942 | 9.72 | 9.76 | 9.72 |
| 10MHz 16QAM | 8.942 | 8.942 | 8.902 | 9.68 | 9.76 | 9.64 |
| 15MHz QPSK | 13.473 | 13.413 | 13.413 | 14.76 | 14.76 | 14.76 |
| 15MHz 16QAM | 13.473 | 13.473 | 13.413 | 14.82 | 14.82 | 14.76 |
| 20MHz QPSK | 17.884 | 17.884 | 17.884 | 19.36 | 19.6 | 19.2 |
| 20MHz 16QAM | 17.884 | 17.884 | 17.804 | 19.52 | 19.44 | 19.36 |
| Note: The test plots please refer to the Plots of Occupied Bandwidth | | | | | | |

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

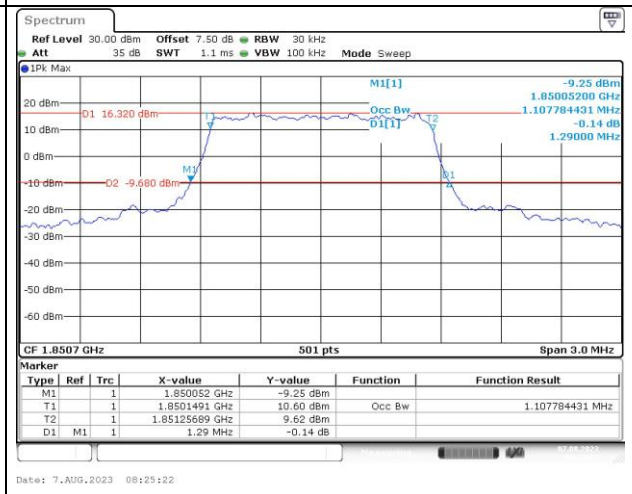
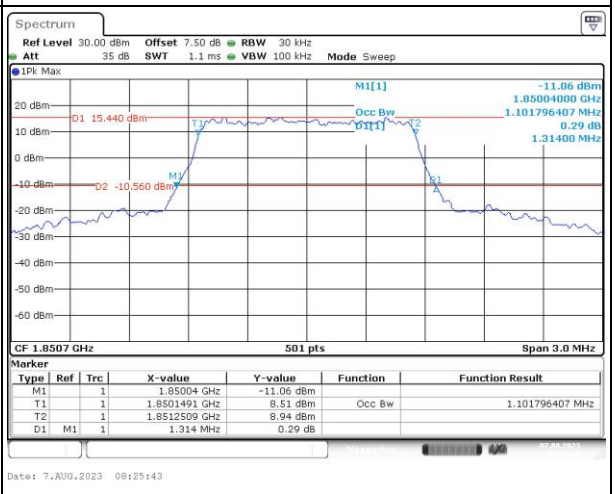
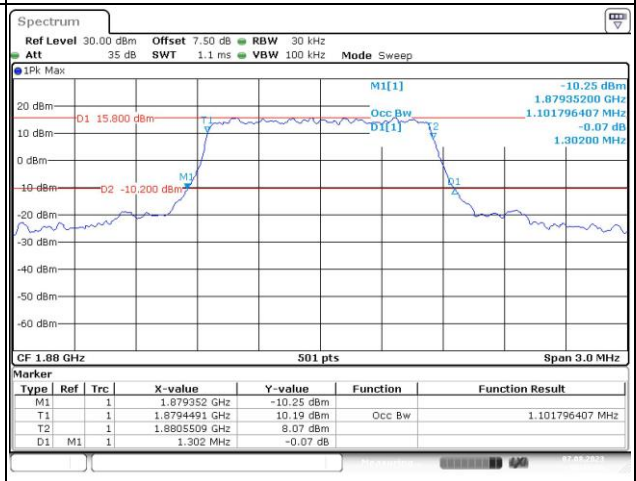
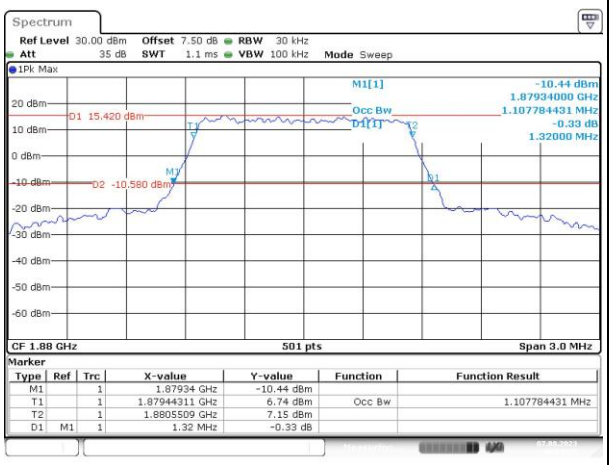
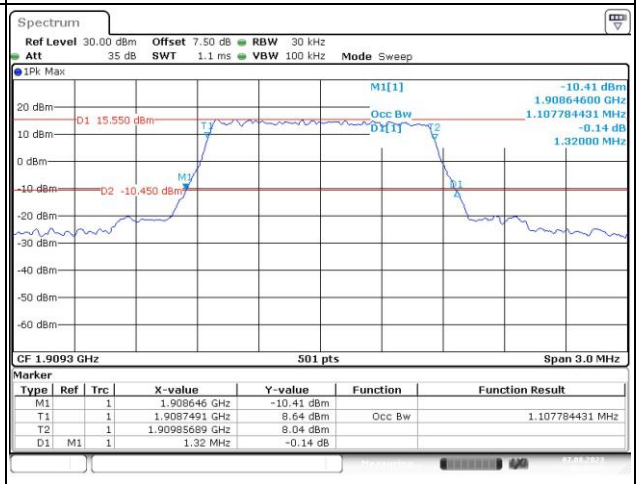
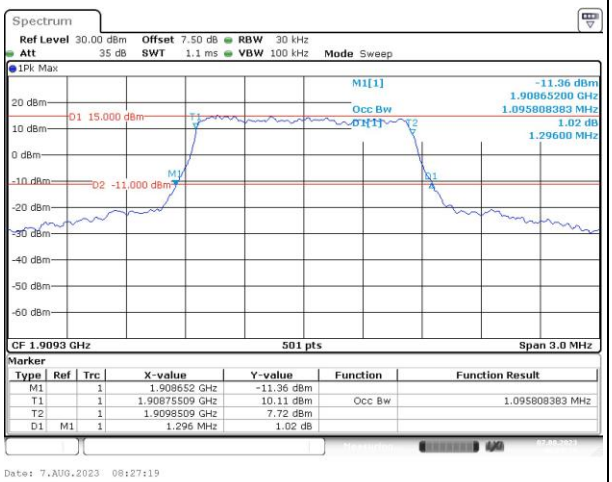
| **FCC §2.1051, § 24.238 (a):Out of band emission, Band Edge** | |
|---|---|
| **Result:** | **Pass, Please refer to the test plots of Out of band emission, Band Edge.** |

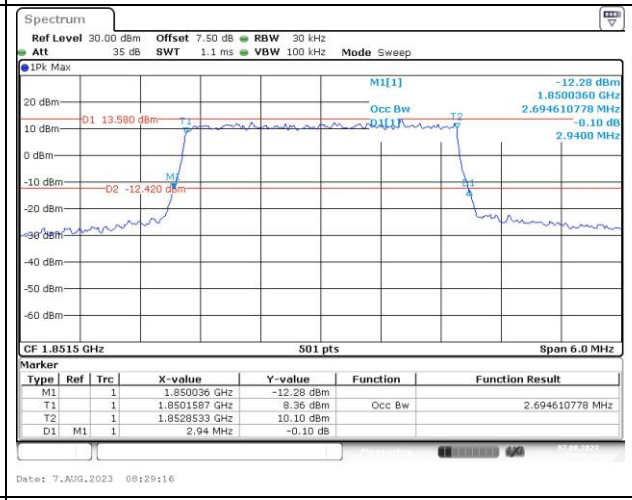
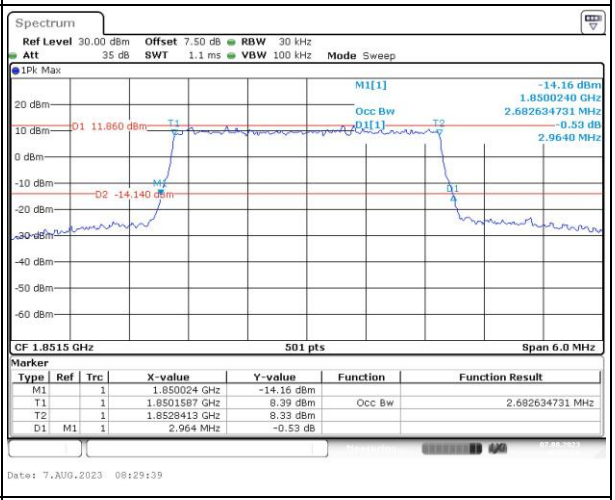
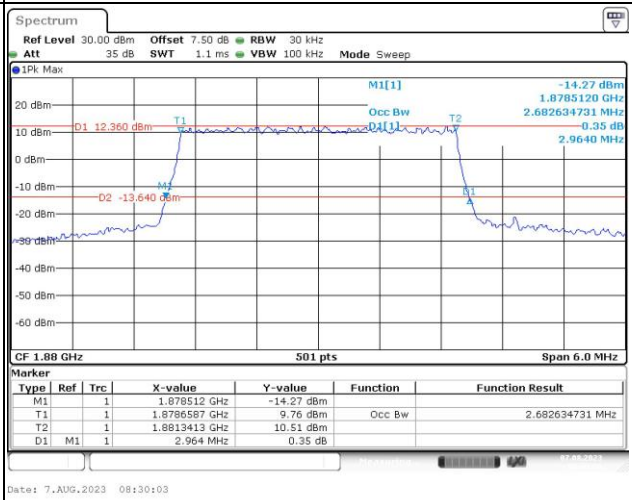
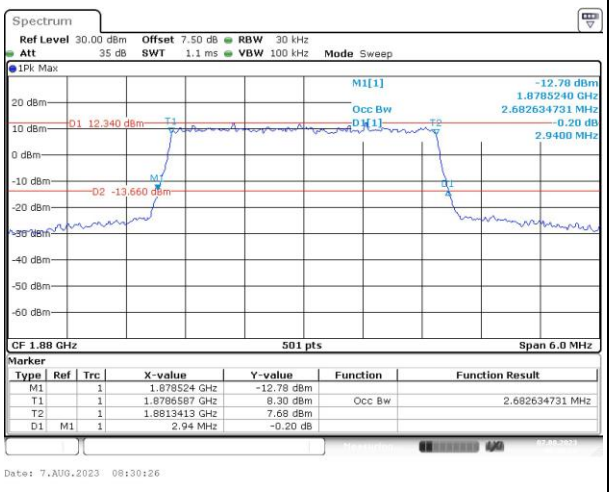
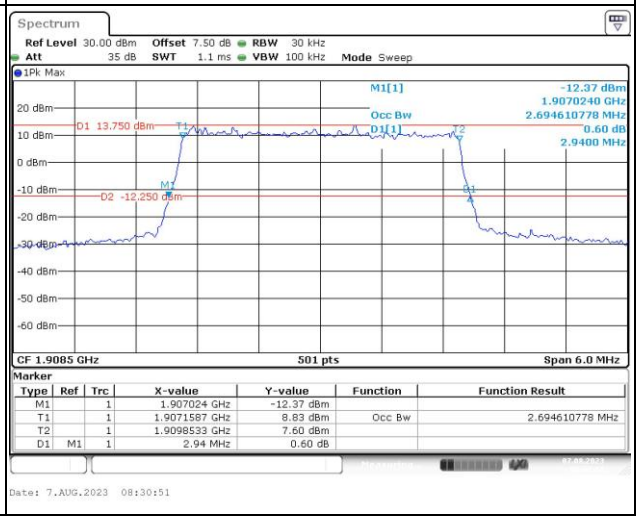
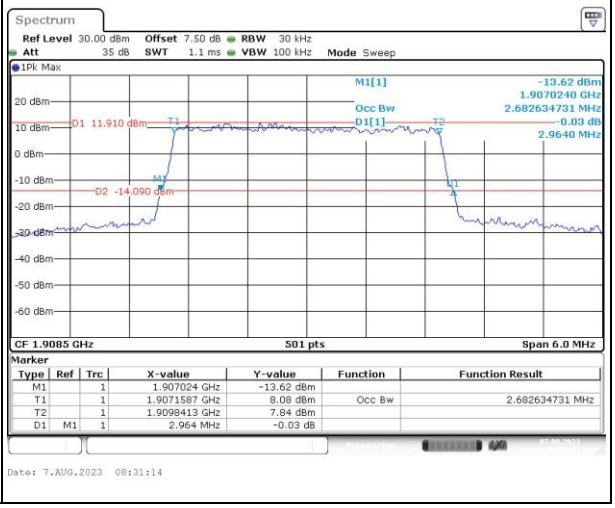
**FCC §2.1055, §24.235: Frequency Stability**

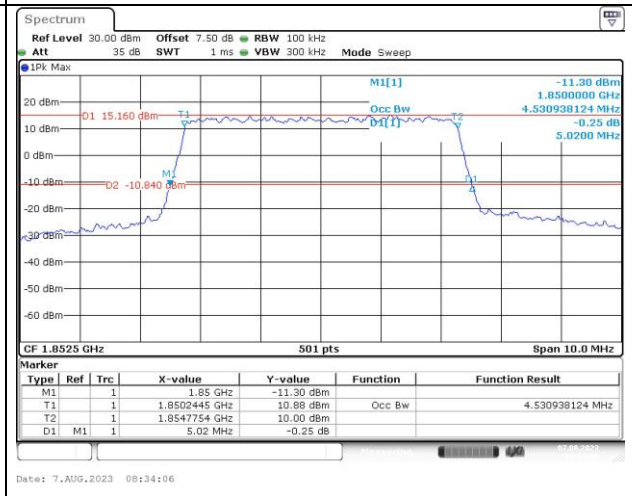
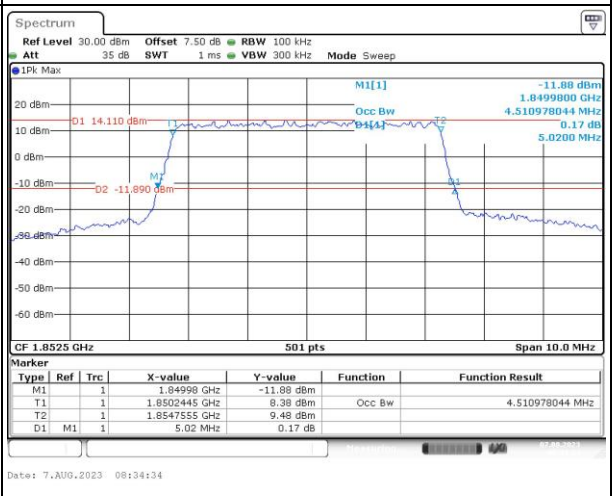
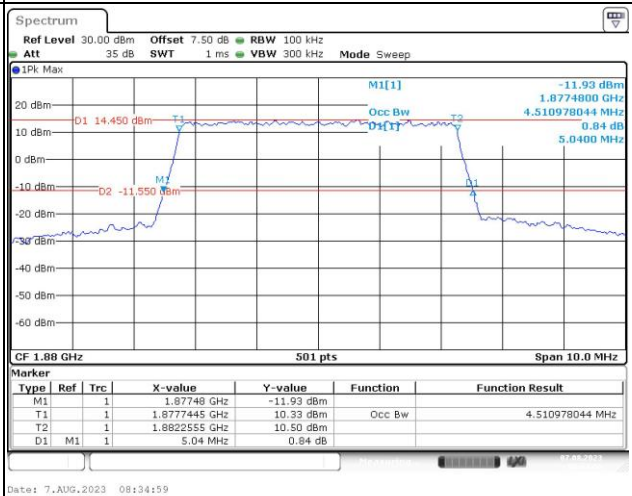
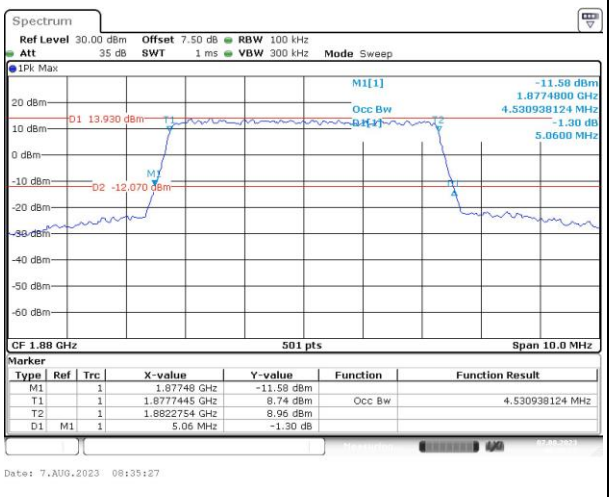
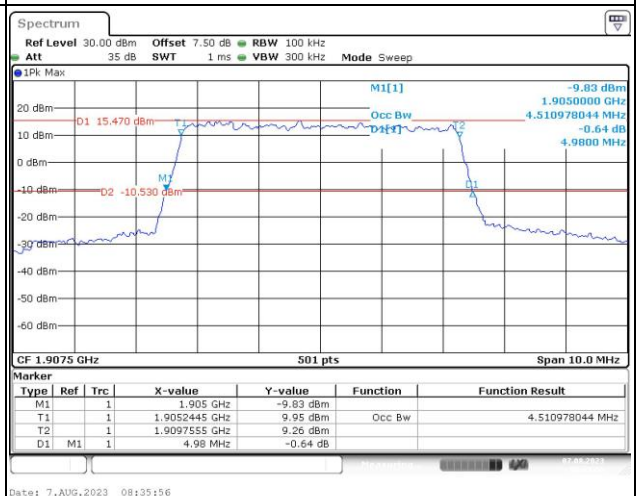
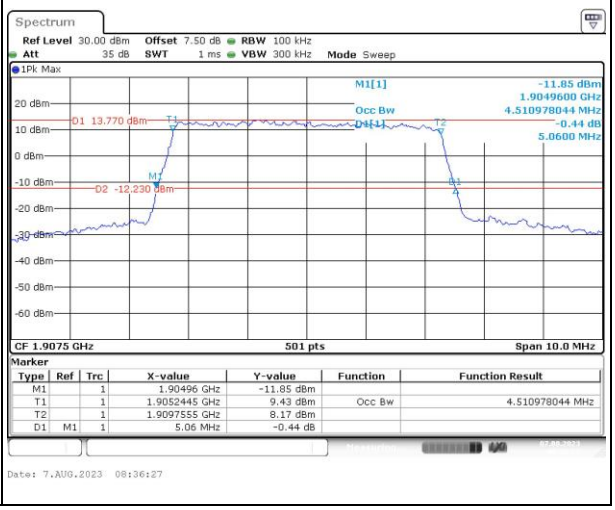
| Test Mode: | 20M QPSK | Test Channel: Lowest for Lower Edge,Highest for Upper Edge | | | | |
|---|---|---|---|---|---|---|
| Test Item | Temperature (℃) | Voltage ($V_{DC}$) | Lower Edge (MHz) | | Upper Edge (MHz) | |
| | | | Result | Limit | Result | Limit |
| Frequency Stability vs. Temperature | -30 | 3.8 | 1851.164 | 1850.000 | 1908.978 | 1910.000 |
| | -20 | 3.8 | 1851.163 | 1850.000 | 1908.927 | 1910.000 |
| | -10 | 3.8 | 1851.102 | 1850.000 | 1908.917 | 1910.000 |
| | 0 | 3.8 | 1851.181 | 1850.000 | 1908.978 | 1910.000 |
| | 10 | 3.8 | 1851.147 | 1850.000 | 1908.998 | 1910.000 |
| | 20 | 3.8 | 1851.138 | 1850.000 | 1908.942 | 1910.000 |
| | 30 | 3.8 | 1851.179 | 1850.000 | 1908.930 | 1910.000 |
| | 40 | 3.8 | 1851.154 | 1850.000 | 1908.975 | 1910.000 |
| | 50 | 3.8 | 1851.190 | 1850.000 | 1908.910 | 1910.000 |
| Frequency Stability vs. Voltage | 20 | 3.55 | 1851.101 | 1850.000 | 1908.967 | 1910.000 |
| | 20 | 4.35 | 1851.199 | 1850.000 | 1908.969 | 1910.000 |
| | | | | | **Result:** | **Pass** |

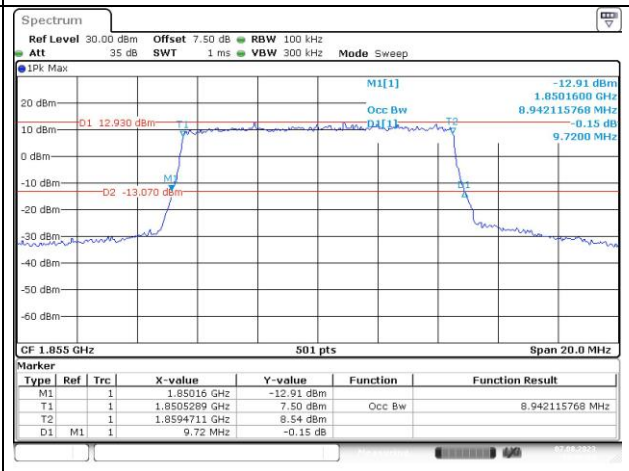
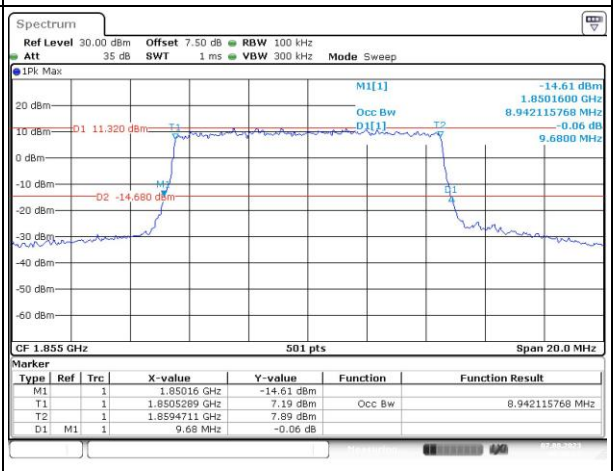
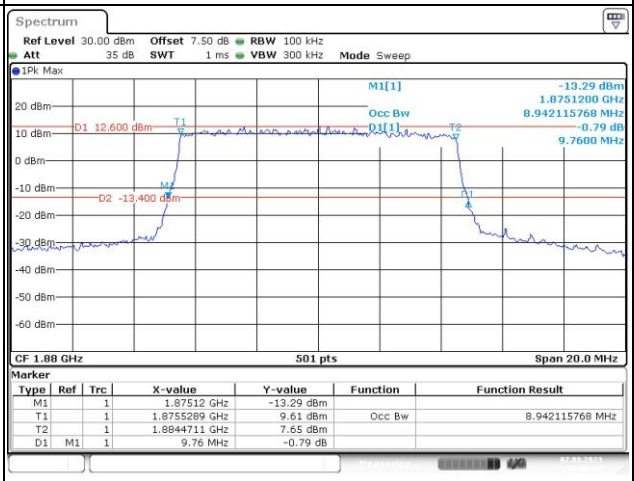
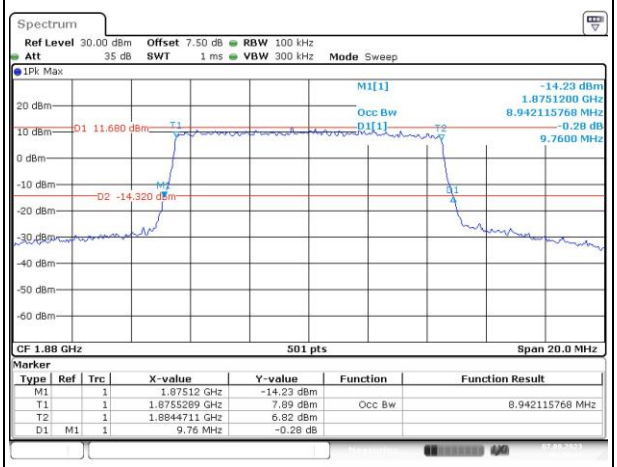
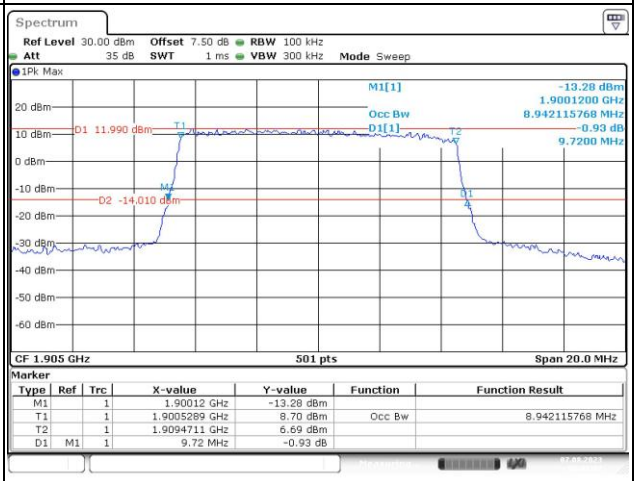
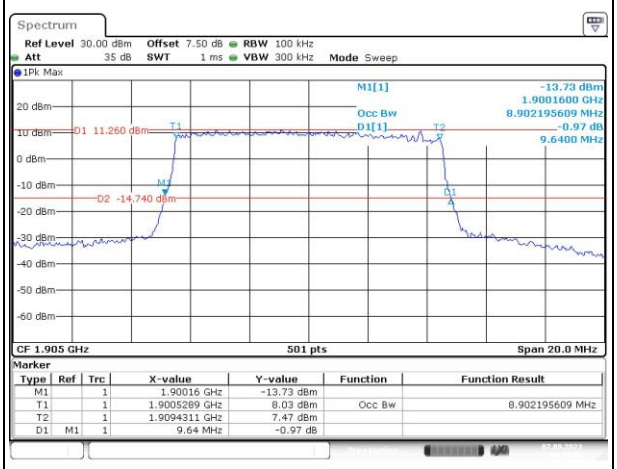
| Test Mode: | 20M 16QAM | Test Channel: Lowest for Lower Edge,Highest for Upper Edge | | | | |
|---|---|---|---|---|---|---|
| Test Item | Temperature (℃) | Voltage ($V_{DC}$) | Lower Edge (MHz) | | Upper Edge (MHz) | |
| | | | Result | Limit | Result | Limit |
| Frequency Stability vs. Temperature | -30 | 3.8 | 1851.070 | 1850.000 | 1908.973 | 1910.000 |
| | -20 | 3.8 | 1851.027 | 1850.000 | 1908.941 | 1910.000 |
| | -10 | 3.8 | 1851.082 | 1850.000 | 1908.918 | 1910.000 |
| | 0 | 3.8 | 1851.011 | 1850.000 | 1908.988 | 1910.000 |
| | 10 | 3.8 | 1851.079 | 1850.000 | 1908.920 | 1910.000 |
| | 20 | 3.8 | 1851.058 | 1850.000 | 1908.942 | 1910.000 |
| | 30 | 3.8 | 1851.043 | 1850.000 | 1908.927 | 1910.000 |
| | 40 | 3.8 | 1851.074 | 1850.000 | 1908.918 | 1910.000 |
| | 50 | 3.8 | 1851.076 | 1850.000 | 1908.972 | 1910.000 |
| Frequency Stability vs. Voltage | 20 | 3.55 | 1851.014 | 1850.000 | 1908.910 | 1910.000 |
| | 20 | 4.35 | 1851.034 | 1850.000 | 1908.998 | 1910.000 |
| | | | | | **Result:** | **Pass** |

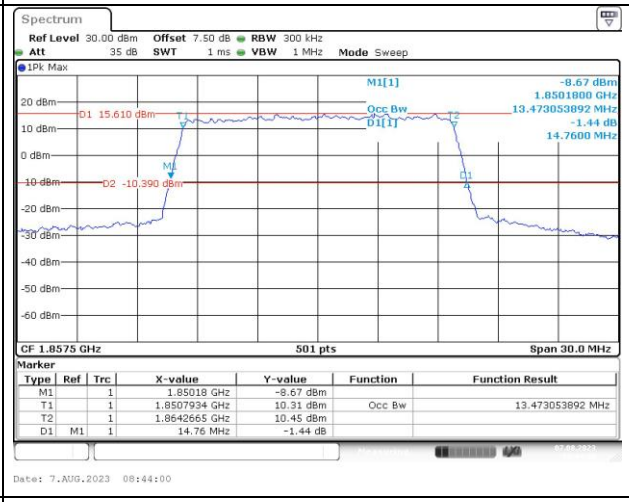
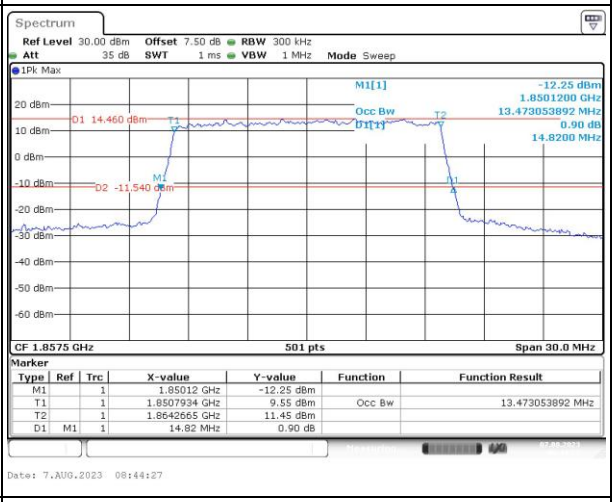
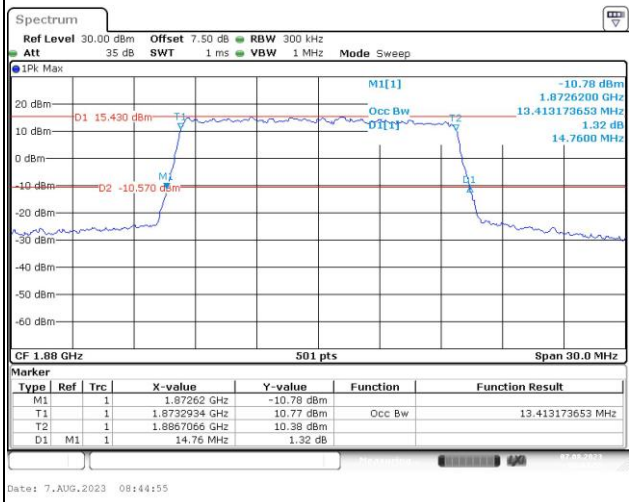
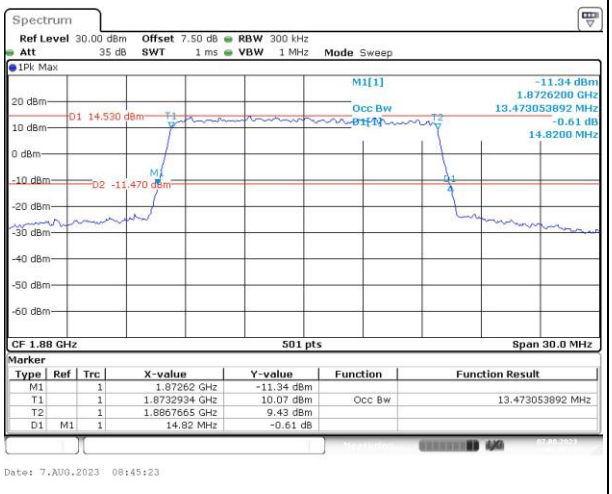
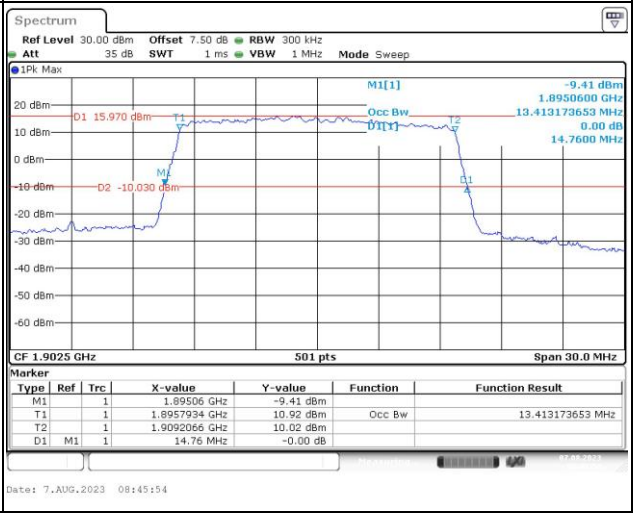
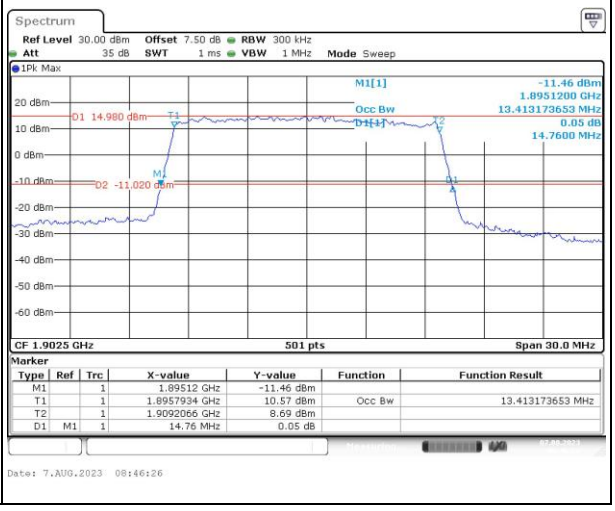
**Test Plots**(Note: The 7.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer)**:**

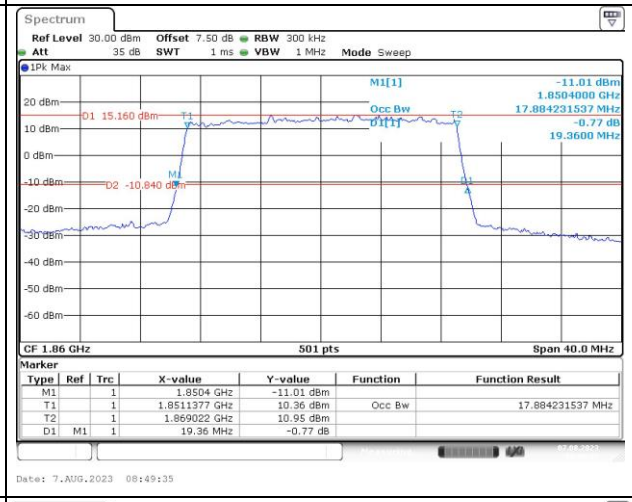
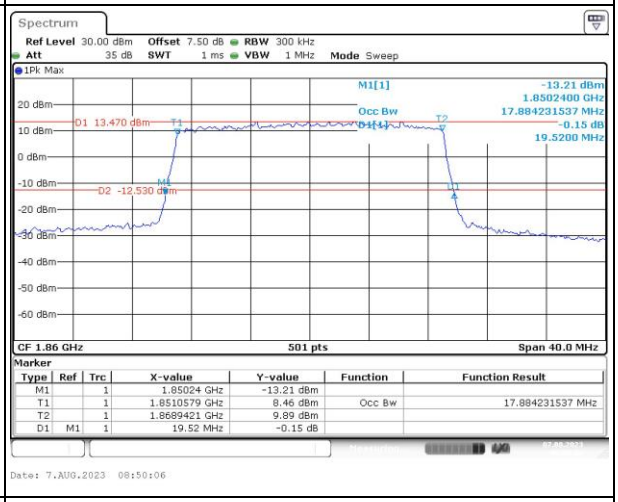
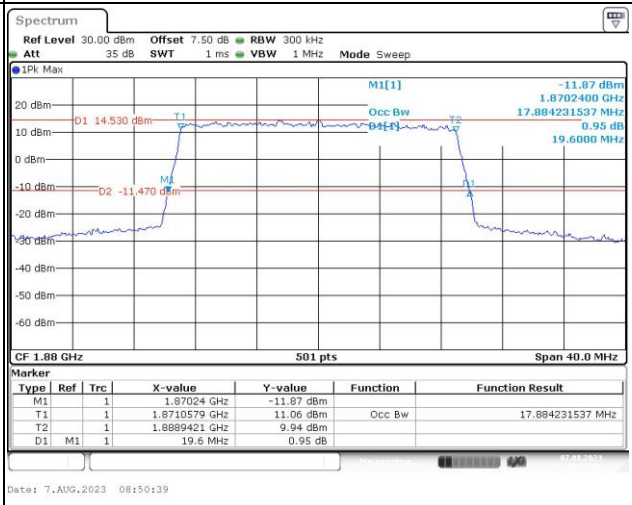
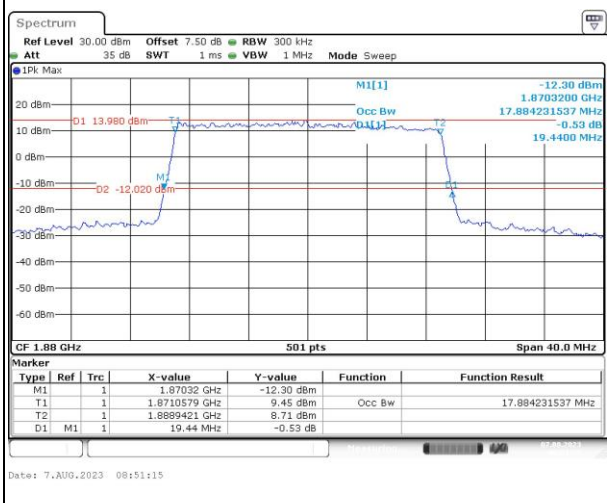
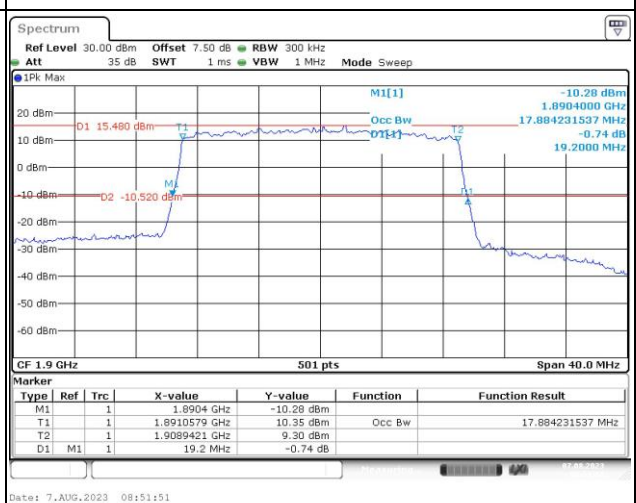
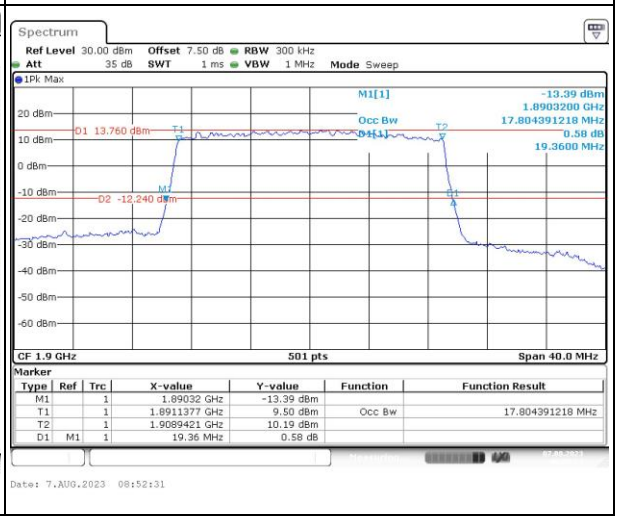
| **Occupied Bandwidth** | | |
|---|---|---|
| **Channel** | 1.4MHz Bandwidth QPSK | 1.4MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

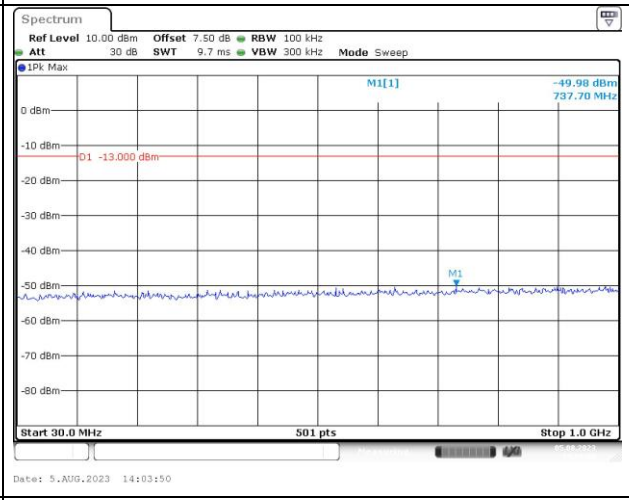
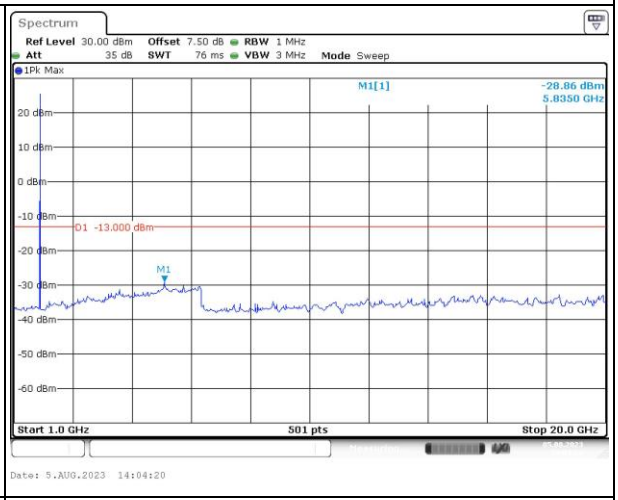
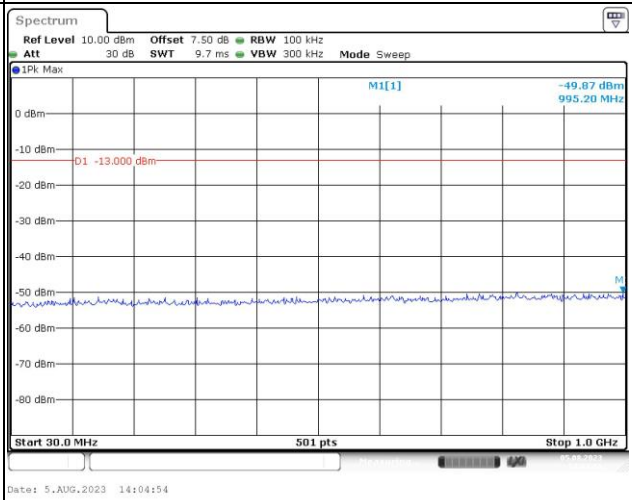
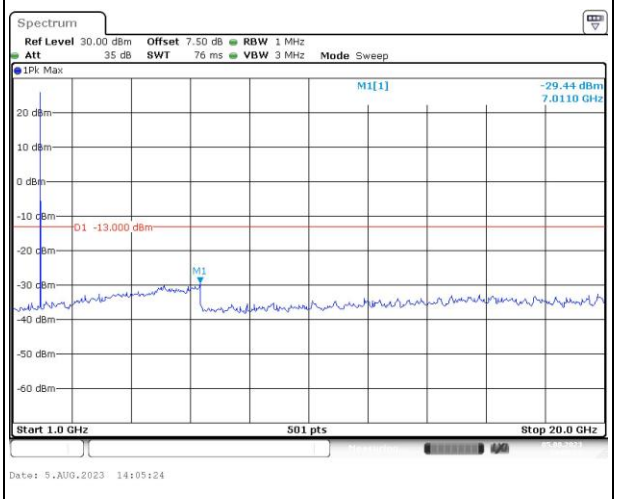
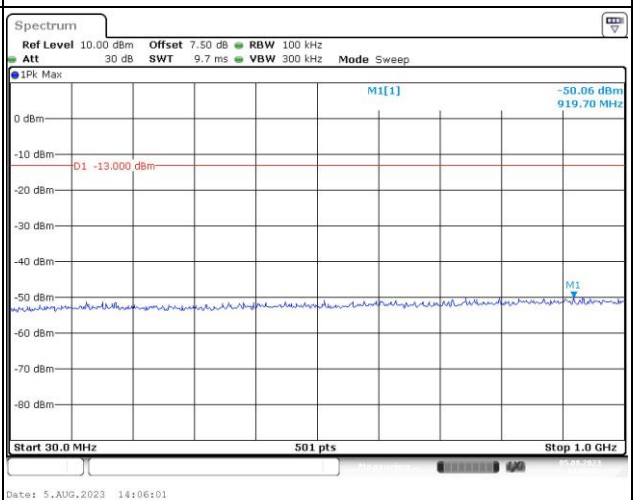
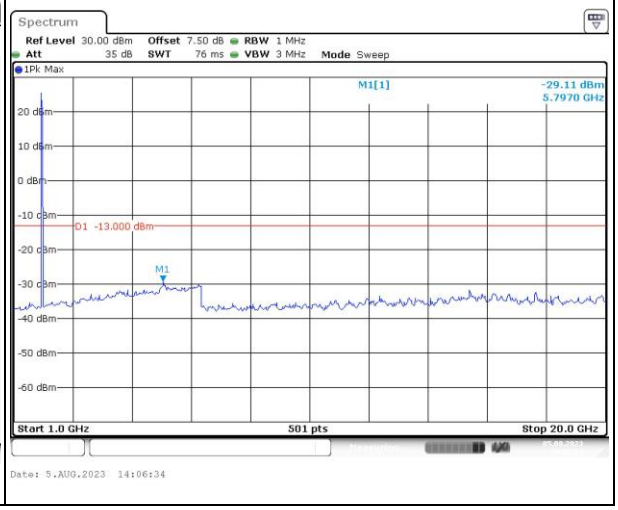
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 3MHz Bandwidth QPSK | 3MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

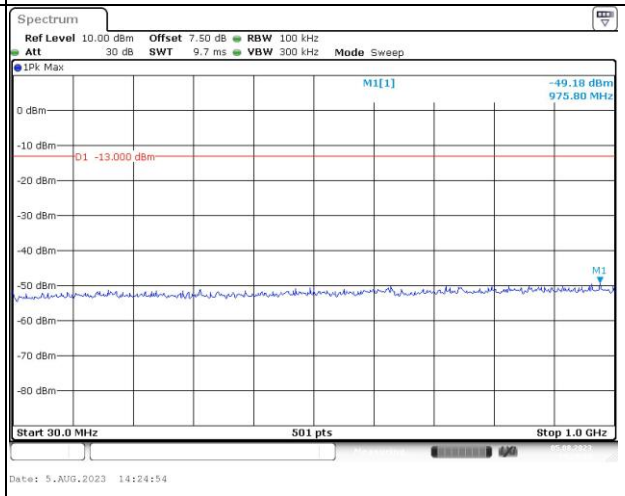
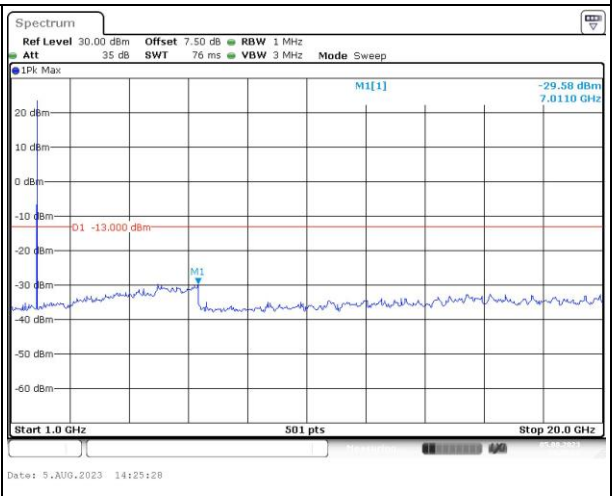
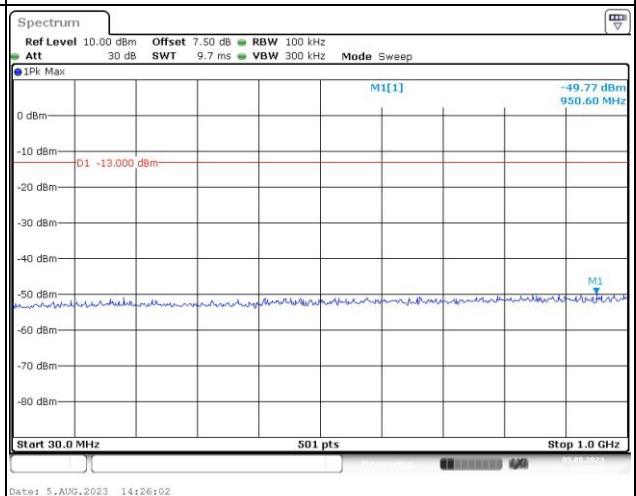
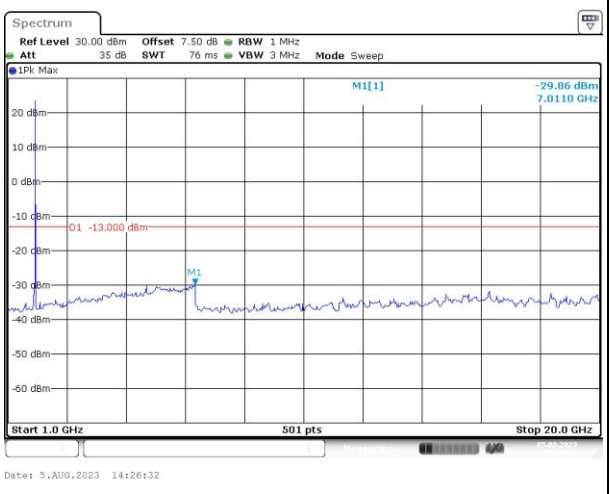
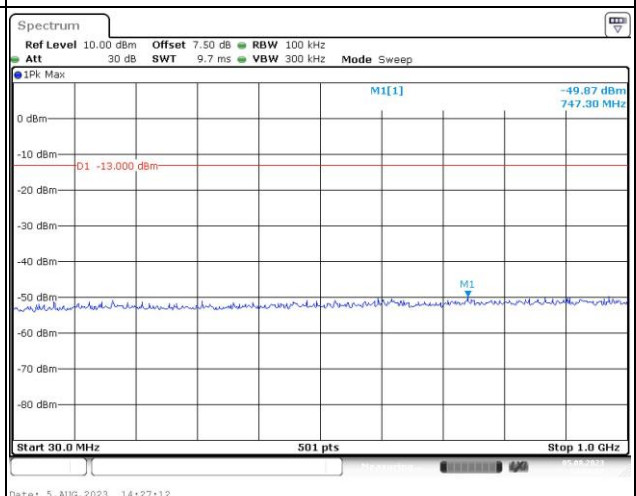
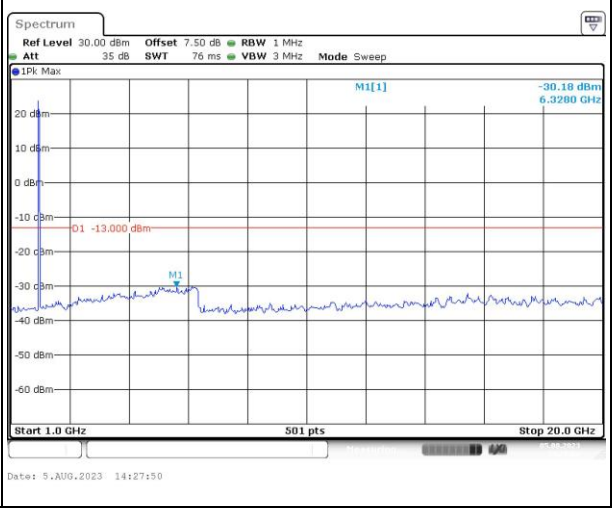
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 5MHz Bandwidth QPSK | 5MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

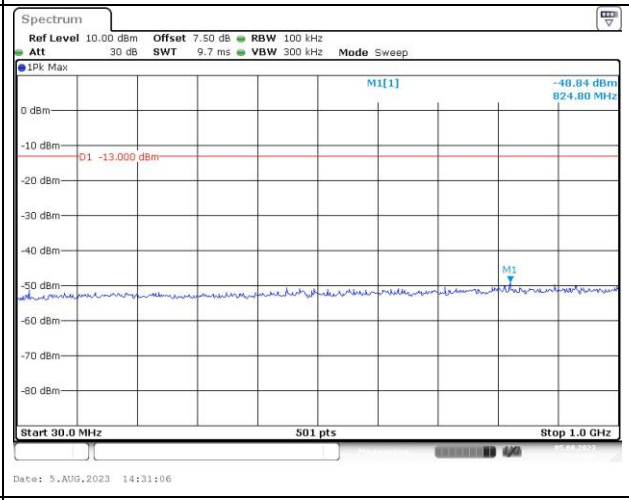
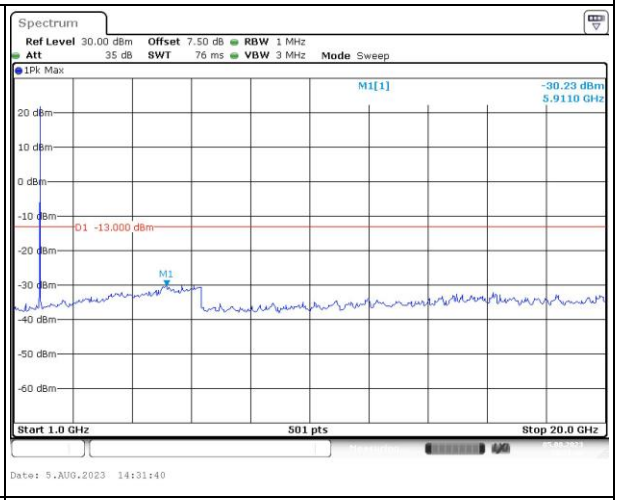
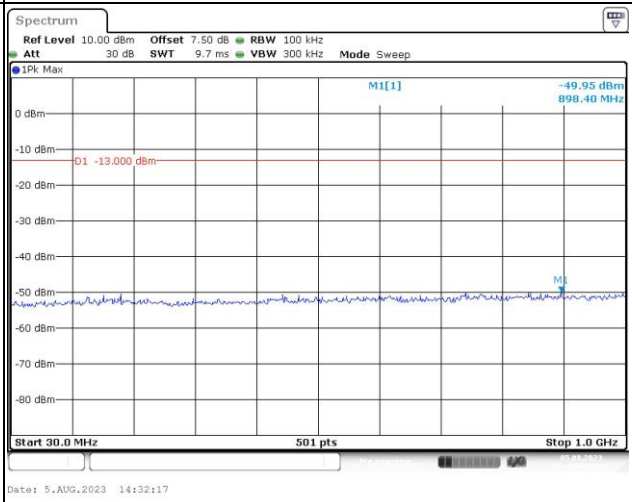
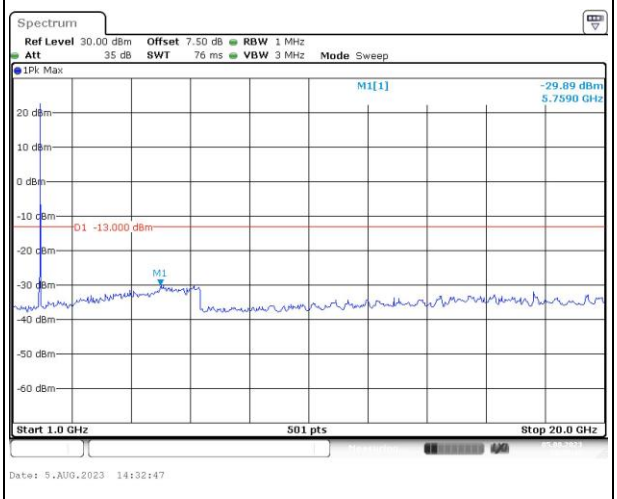
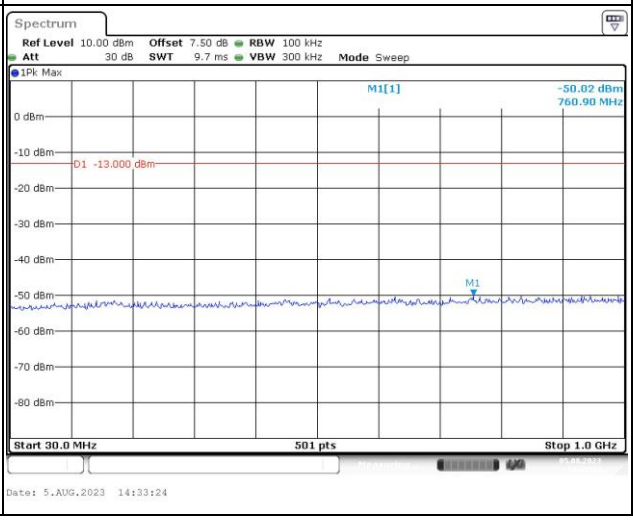
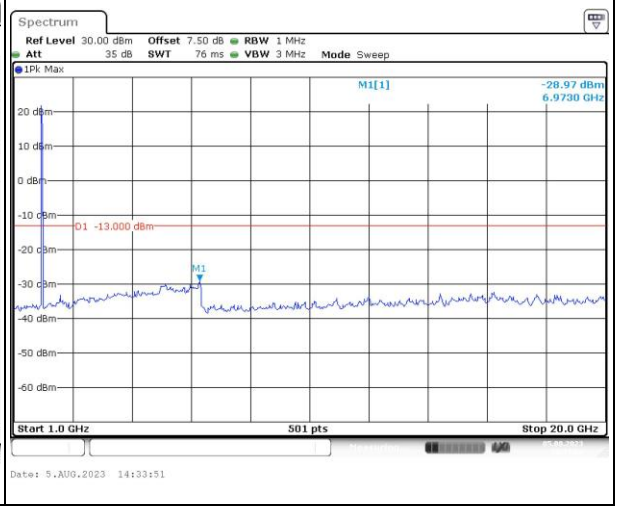
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 10MHz Bandwidth QPSK | 10MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

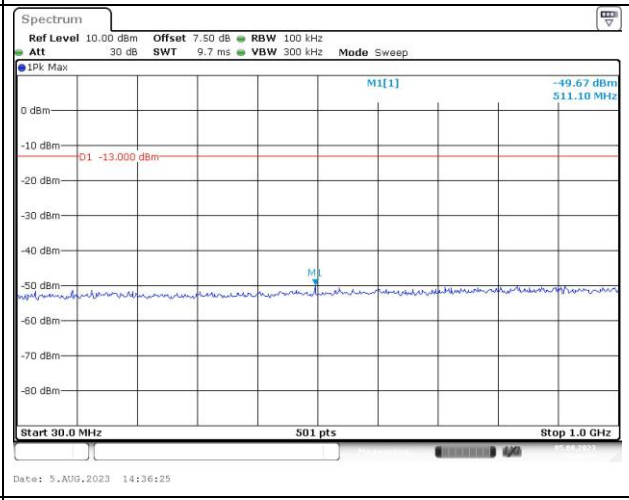
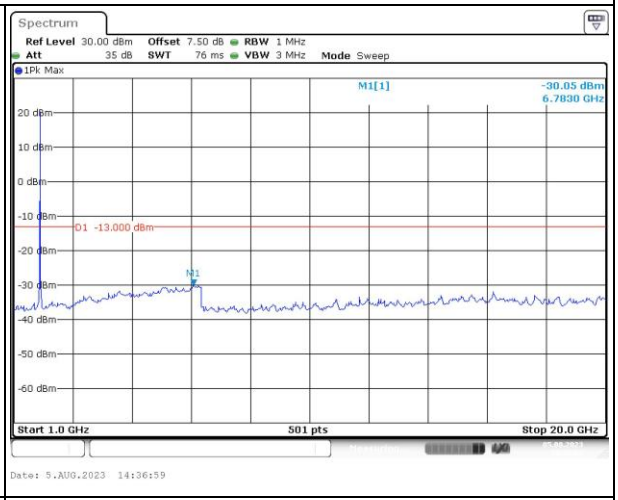
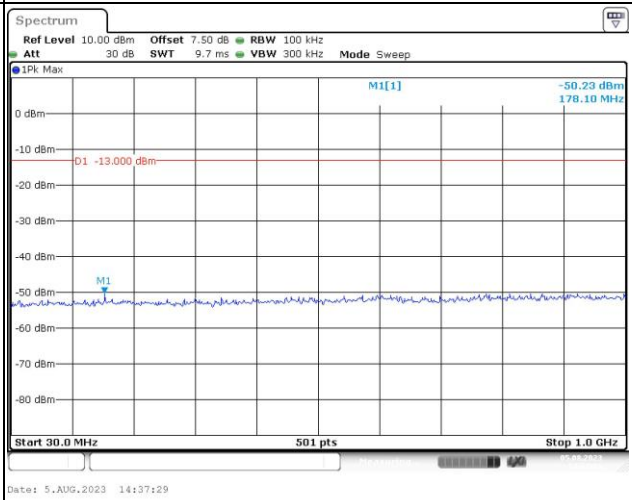
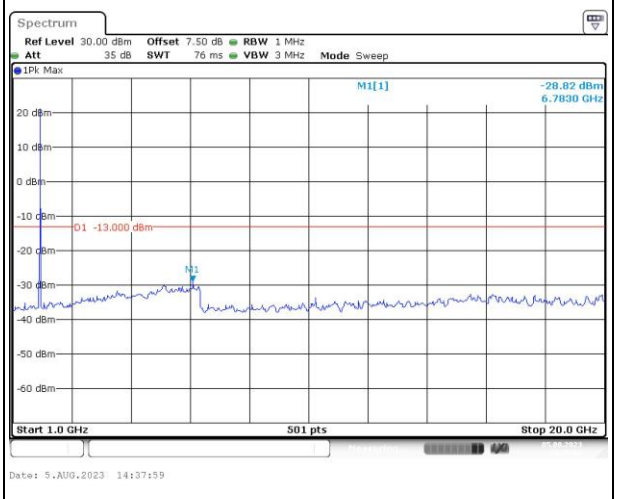
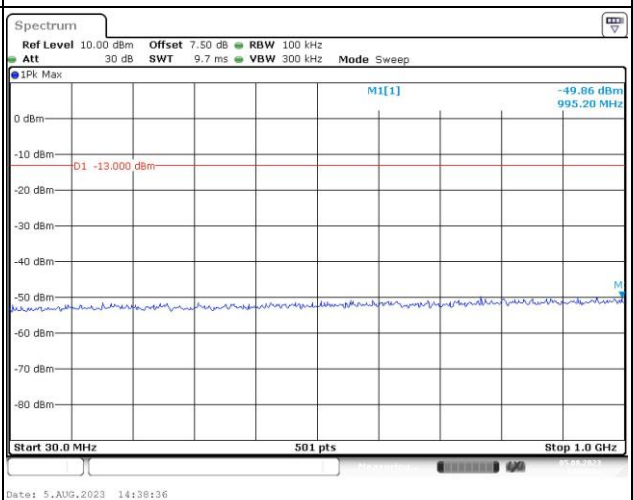
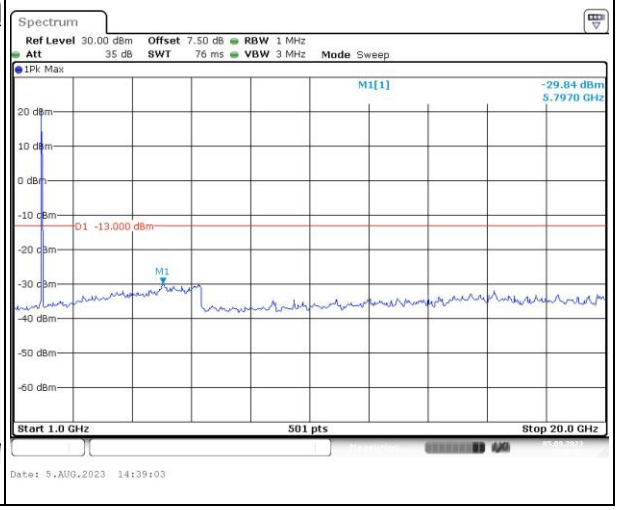
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 15MHz Bandwidth QPSK | 15MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

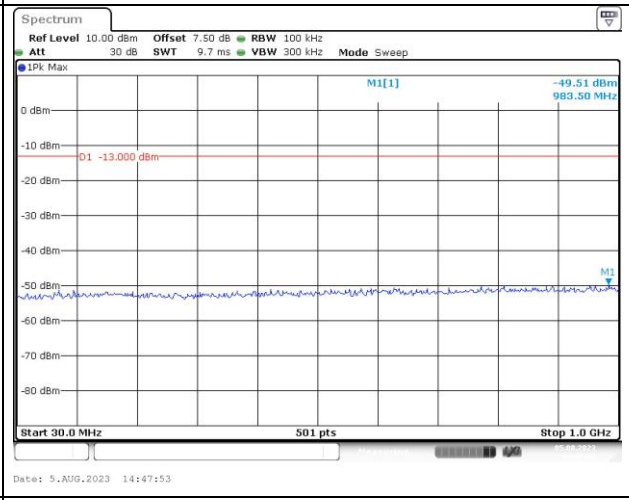
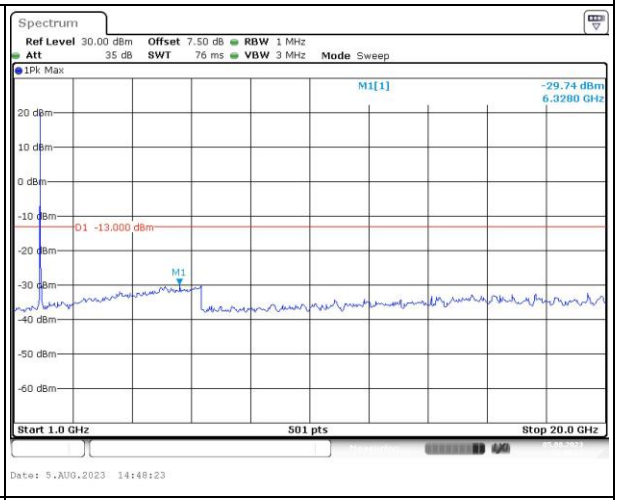
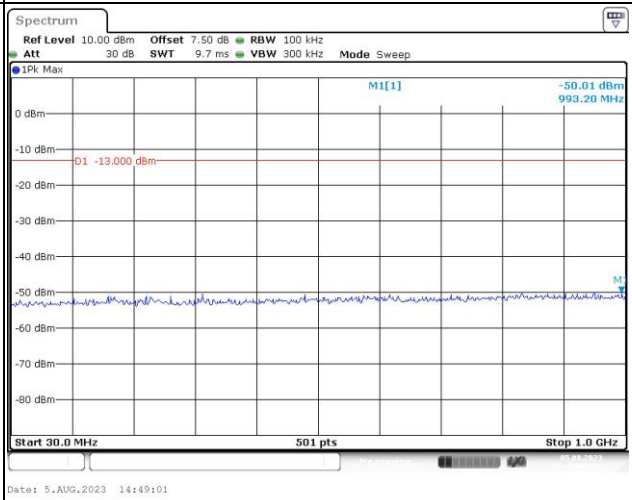
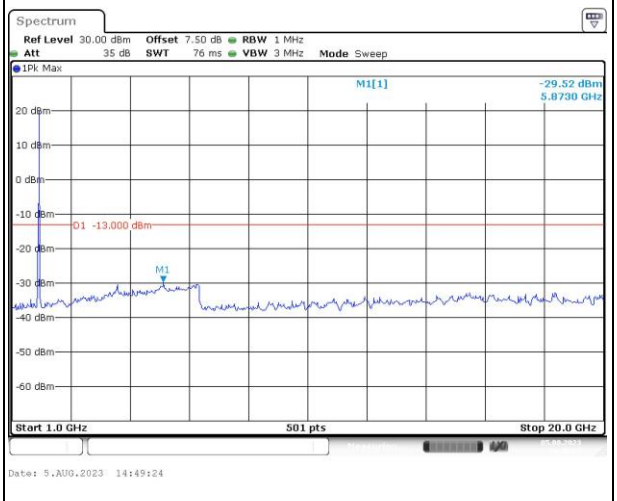
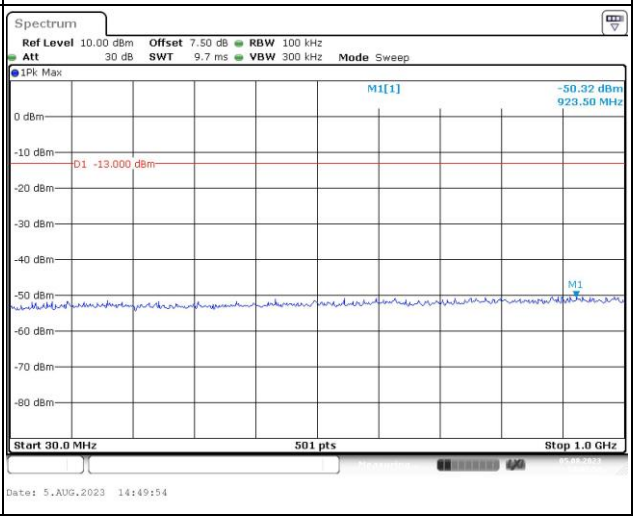
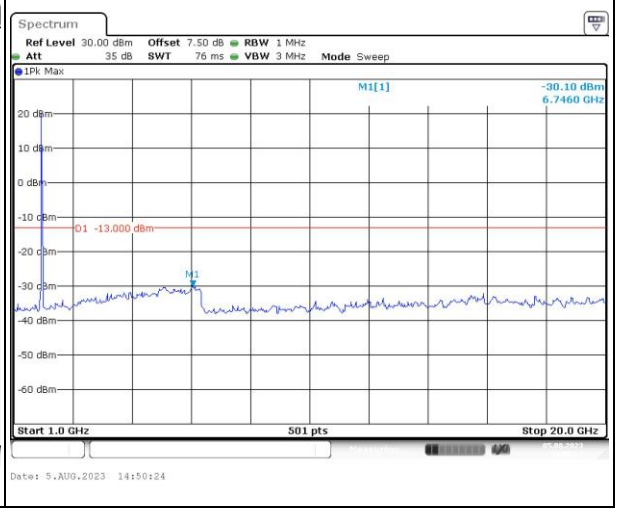
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 20MHz Bandwidth QPSK | 20MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

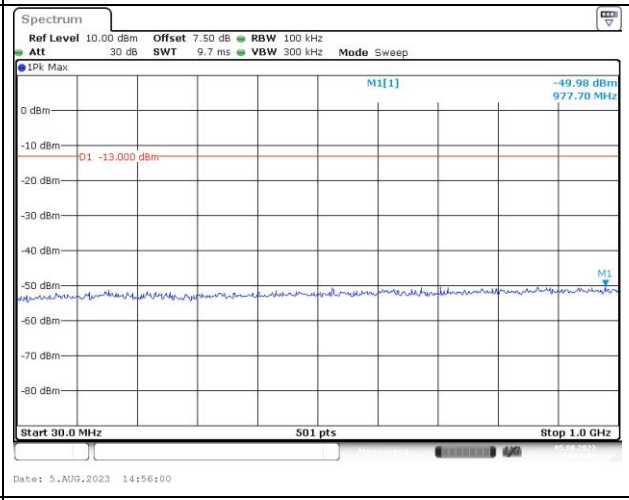
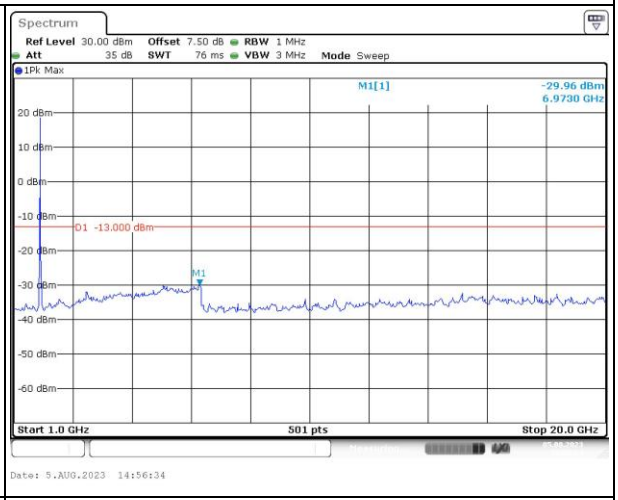
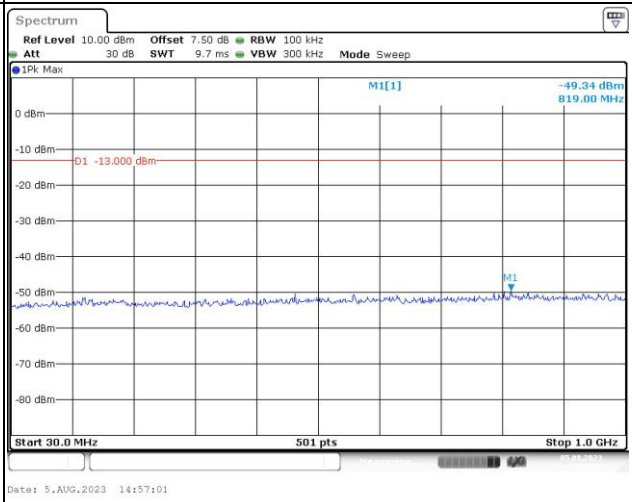
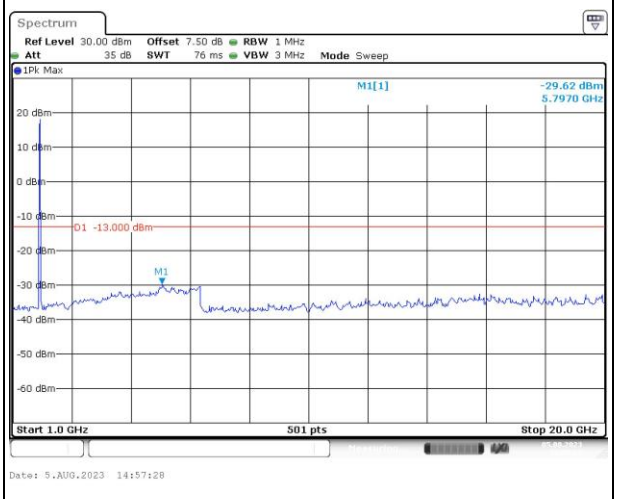
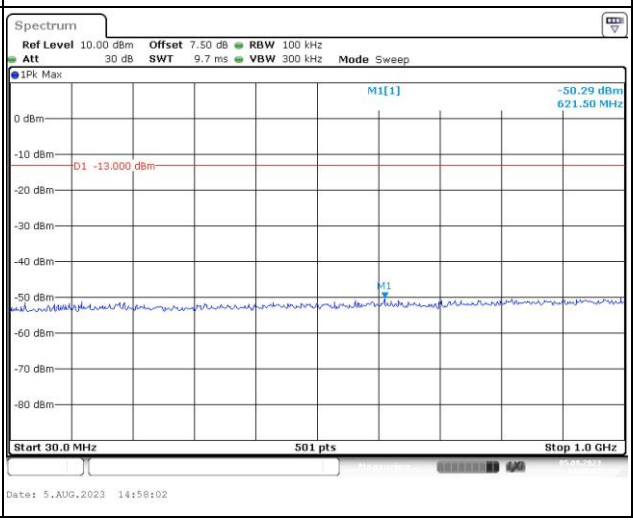
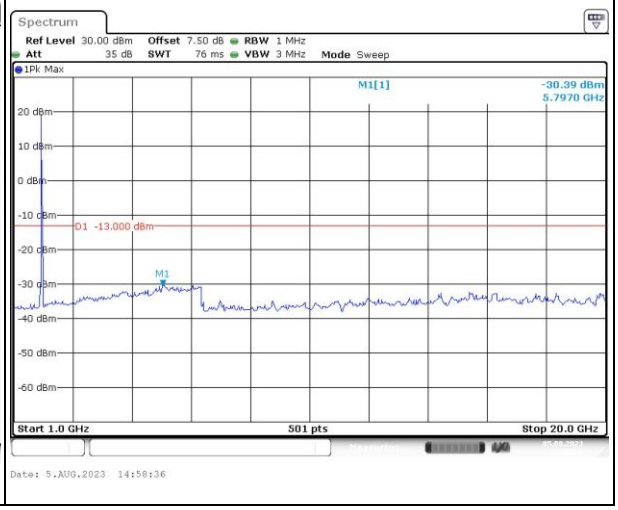
| Spurious Emissions at Antenna Terminal | | |
|---|---|---|
| **Channel** | **1.4MHz Bandwidth QPSK** | |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

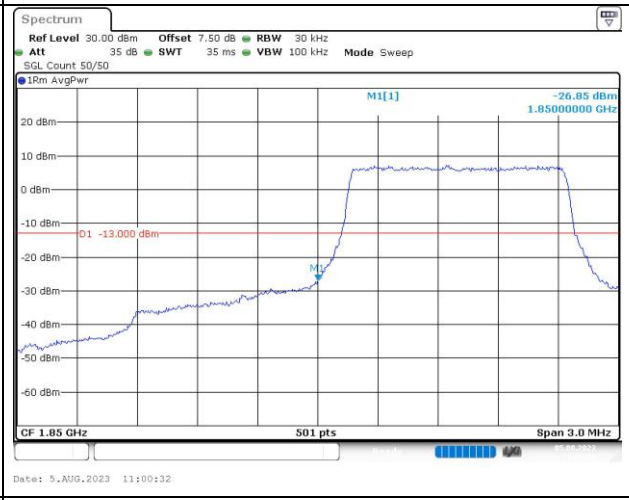
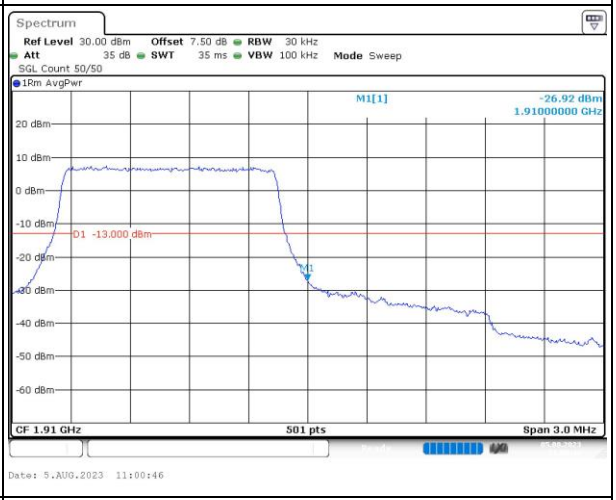
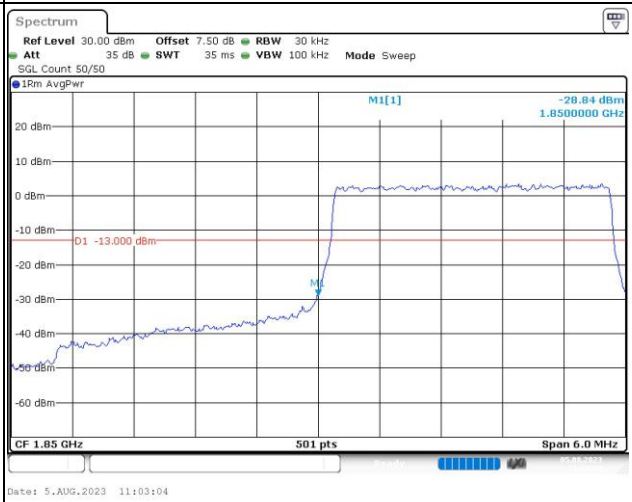
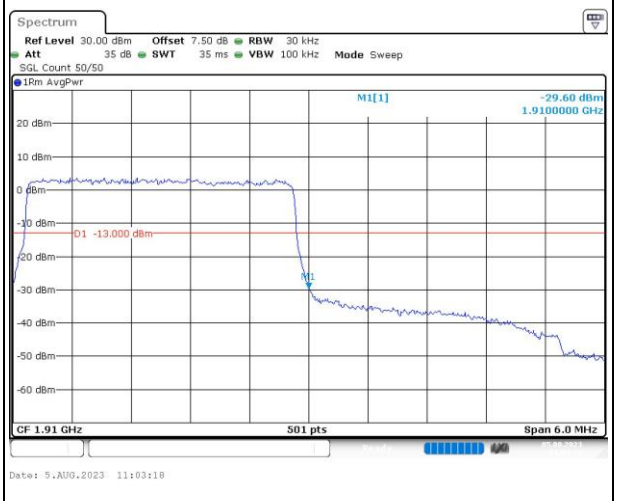
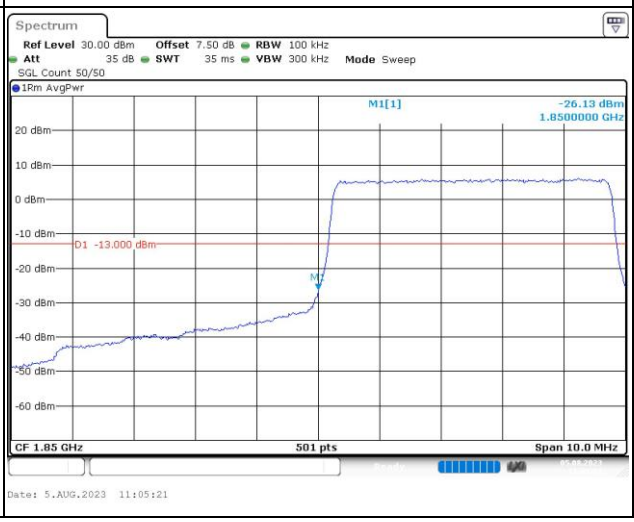
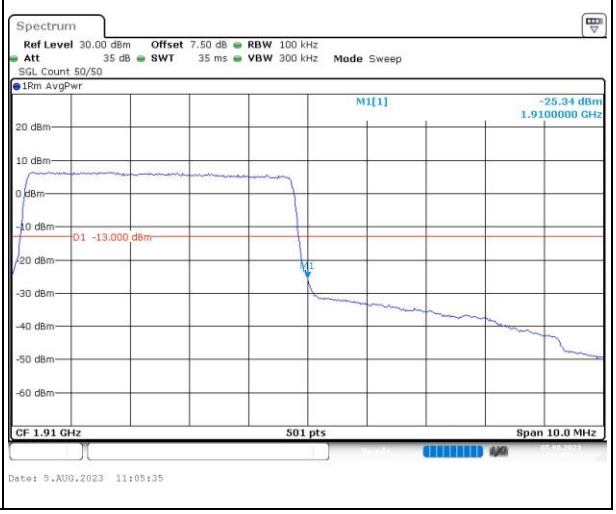
| Spurious Emissions at Antenna Terminal | | |
|---|---|---|
| **Channel** | **3MHz Bandwidth QPSK** | |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

| Spurious Emissions at Antenna Terminal | | |
|---|---|---|
| **Channel** | **5MHz Bandwidth QPSK** | |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

| Spurious Emissions at Antenna Terminal | | |
|---|---|---|
| **Channel** | **10MHz Bandwidth QPSK** | |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

| Spurious Emissions at Antenna Terminal | | |
|---|---|---|
| **Channel** | **15MHz Bandwidth QPSK** | |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

| Spurious Emissions at Antenna Terminal | | |
|---|---|---|
| **Channel** | **20MHz Bandwidth QPSK** | |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

| Out of band emission, Band Edge | | |
|---|---|---|
| **Mode** | **Lowest** | **Highest** |
| QPSK 1.4MHz |  |  |
| QPSK 3MHz |  |  |
| QPSK 5MHz |  |  |