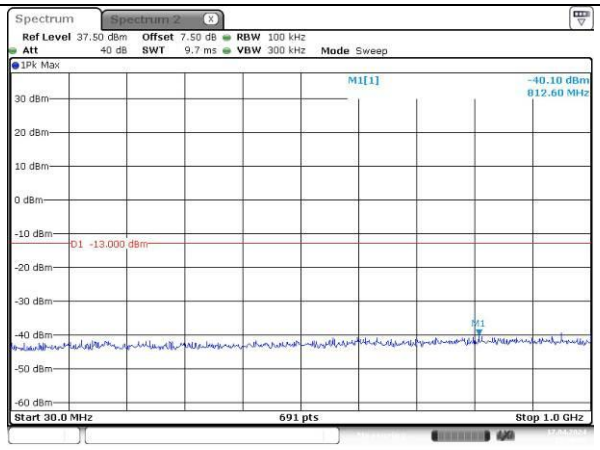
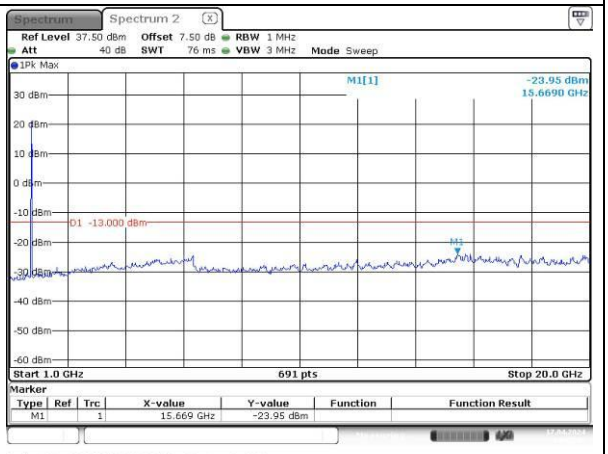
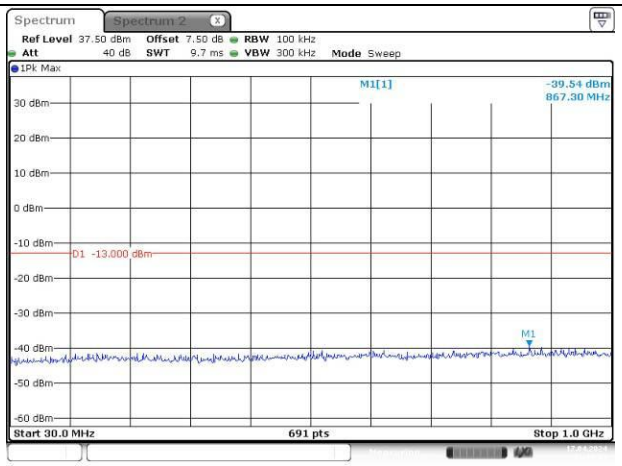
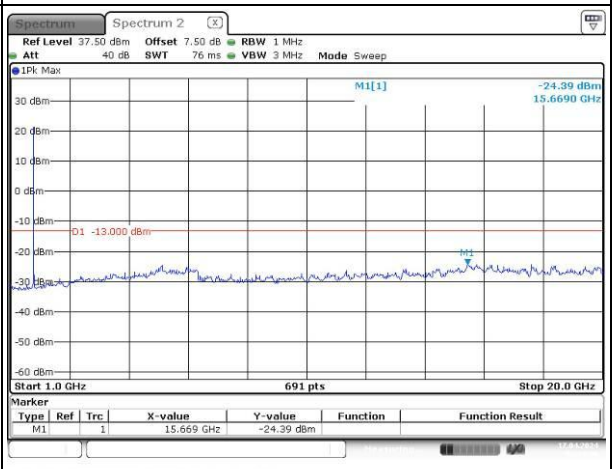
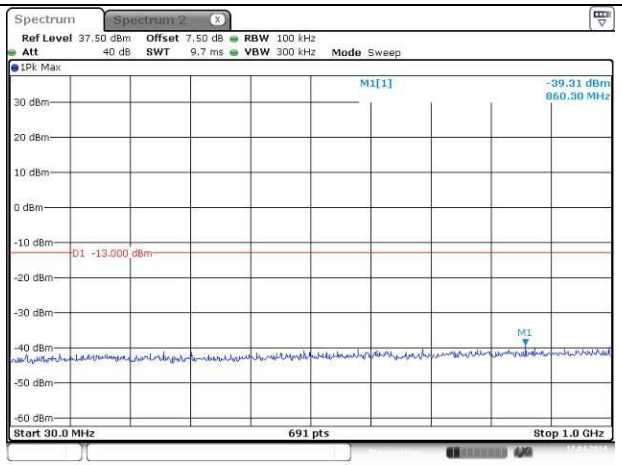
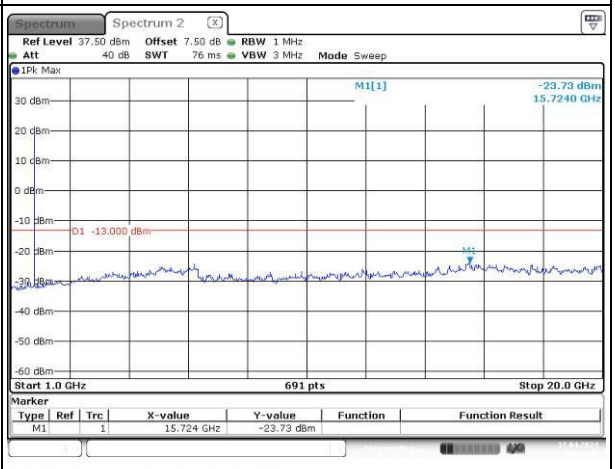
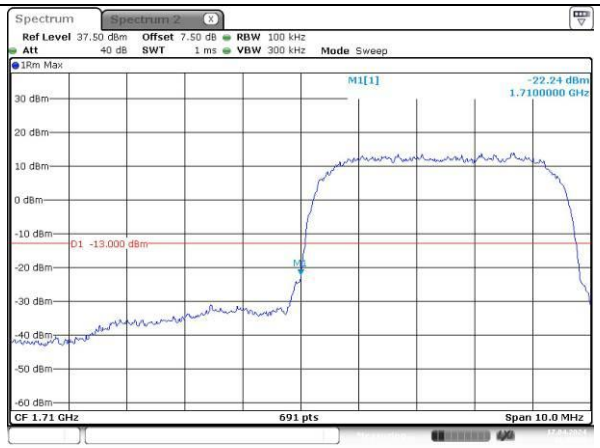
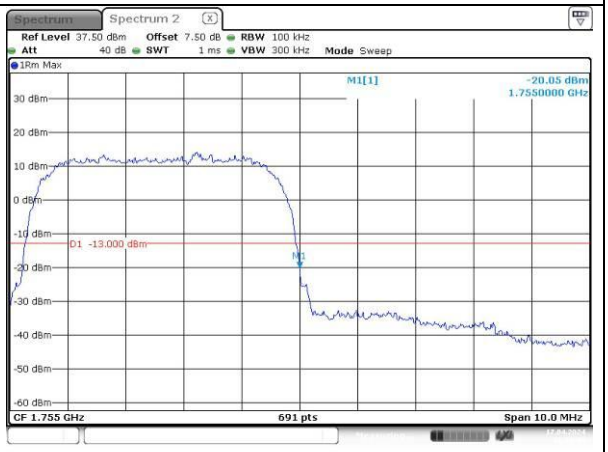
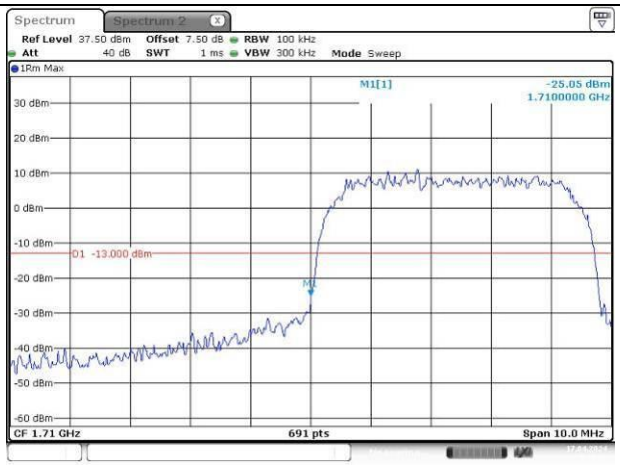
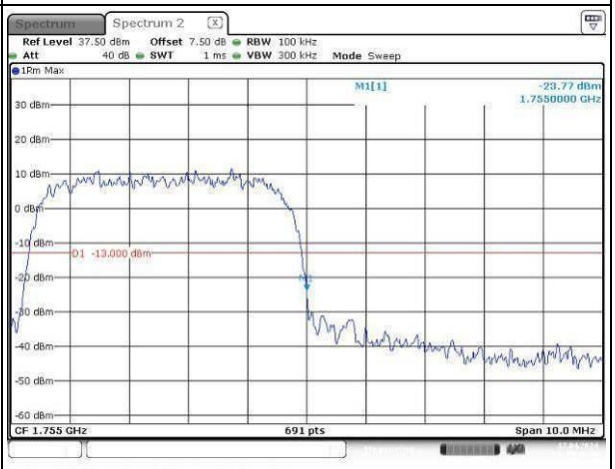
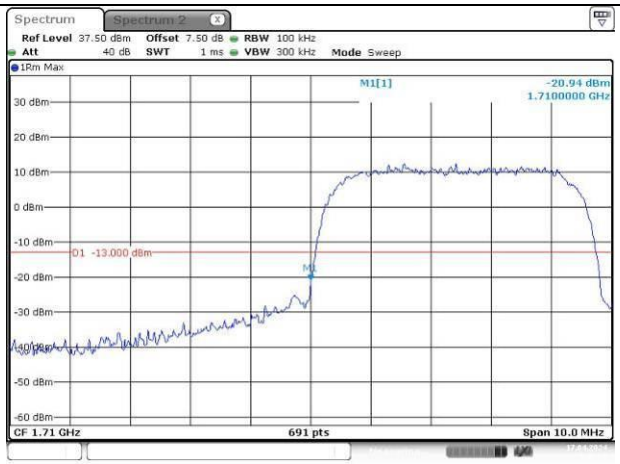
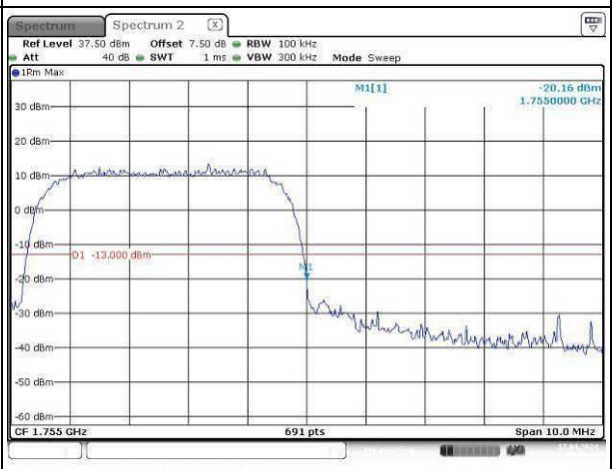
| Spurious Emissions at Antenna Terminal | | |
|---|---|---|
| **Channel** | WCDMA R99 | |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

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

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

| | | | |
|---|---|---|---|
| Serial Number: | 2J4T-2 | Test Date: | 2024/4/15~2024/4/17 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | Jeff Wei,Karl Liang | Test Result: | **Pass** |

| **Environmental Conditions:** | | | | | |
|---|---|---|---|---|---|
| Temperature: (℃) | 26.9~27.2 | Relative Humidity: (%) | 57~60 | ATM Pressure: (kPa) | 100.4~100.5 |

**Test Equipment List and Details:**

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| R&S | Spectrum Analyzer | FSV40 | 101461 | 2023/11/27 | 2024/11/26 |
| Micro-Coax | Coaxial Cable | UFA210A | 94089550 | 2023/9/1 | 2024/8/31 |
| Minl-Clrcuits | Coaxial Power Splitters & Combiner | ZFRSC-183-S+ | SF448201614 | 2024/2/25 | 2025/2/24 |
| R&S | Wideband Radio Communication Tester | CMW500 | 144976 | 2023/10/18 | 2024/10/17 |
| BACL | TEMP&HUMI Test Chamber | BTH-150-40 | 30173 | 2023/10/18 | 2024/10/17 |
| All-sun | Clamp Meter | EM305A | 8348897 | 2023/8/3 | 2024/8/2 |
| TDK-Lambda | DC Power Supply | Z+60-14 | F-08-EM038-1 | N/A | N/A |

**Test Frequency:**

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

**Test Data:**

**RF Output Power:**

| Test Mode | Conducted Average Output Power(dBm) | | | Maximum ERP (dBm) | ERP Limit (dBm) |
|---|---|---|---|---|---|
| | Lowest Channel | Middle Channel | Highest Channel | | |
| WCDMA R99 | 22.83 | 22.81 | 22.84 | 21.73 | 38.45 |
| HSDPA Subtest 1 | 22.14 | 22.6 | 22.17 | 21.49 | 38.45 |
| HSDPA Subtest 2 | 22.05 | 22.28 | 22.47 | 21.36 | 38.45 |
| HSDPA Subtest 3 | 22.02 | 22.08 | 22.41 | 21.3 | 38.45 |
| HSDPA Subtest 4 | 21.98 | 22.52 | 22.2 | 21.41 | 38.45 |
| HSUPA Subtest 1 | 21.85 | 21.91 | 22.3 | 21.19 | 38.45 |
| HSUPA Subtest 2 | 21.53 | 21.79 | 21.77 | 20.68 | 38.45 |
| HSUPA Subtest 3 | 21.38 | 21.64 | 21.83 | 20.72 | 38.45 |
| HSUPA Subtest 4 | 21.36 | 21.46 | 21.74 | 20.63 | 38.45 |
| HSUPA Subtest 5 | 21.25 | 21.48 | 21.67 | 20.56 | 38.45 |
| DC-HSDPA Subtest 1 | 21.12 | 21.38 | 21.2 | 20.27 | 38.45 |
| DC-HSDPA Subtest 2 | 20.97 | 20.93 | 21.53 | 20.42 | 38.45 |
| DC-HSDPA Subtest 3 | 20.84 | 21.12 | 21.08 | 20.01 | 38.45 |
| DC-HSDPA Subtest 4 | 20.83 | 21.34 | 21.06 | 20.23 | 38.45 |
| HSPA+ Subtest 1 | 20.58 | 20.65 | 20.88 | 19.77 | 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 | 3.25 | 3.22 | 3.19 | 13 |
| HSDPA | 4.58 | 4.64 | 4.78 | 13 |
| HSUPA | 5.13 | 5.68 | 5.88 | 13 |

| **Result:** | **Pass** |
|---|---|

| **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 | 4.153 | 4.153 | 4.139 | 4.699 | 4.703 | 4.703 |
| HSDPA | 4.168 | 4.168 | 4.139 | 4.703 | 4.718 | 4.703 |
| HSUPA | 4.139 | 4.153 | 4.153 | 4.689 | 4.718 | 4.703 |
| Note: The test plots please refer to the Plots of Occupied Bandwidth | | | | | | |

| **Spurious Emissions at Antenna Terminal** | |
|---|---|
| **Result:** | **Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.** |

| **Out of band emission, Band Edge** | |
|---|---|
| **Result:** | **Pass, Please refer to the test plots of Out of band emission, Band Edge.** |

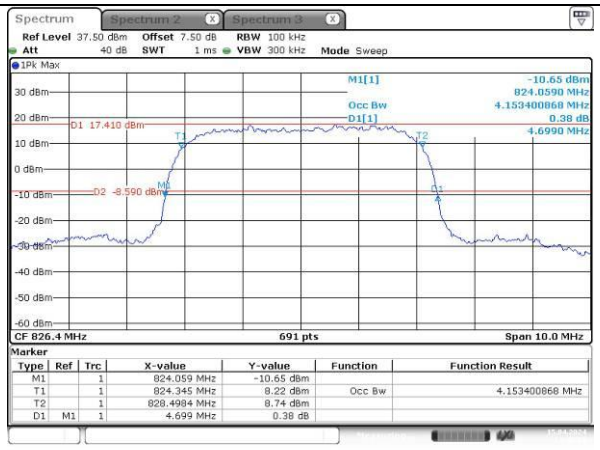
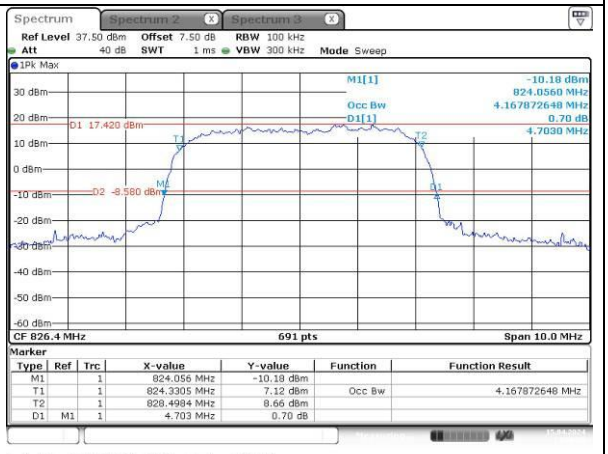
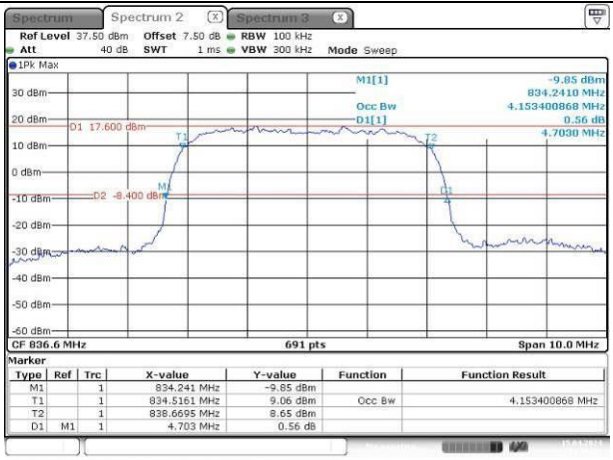
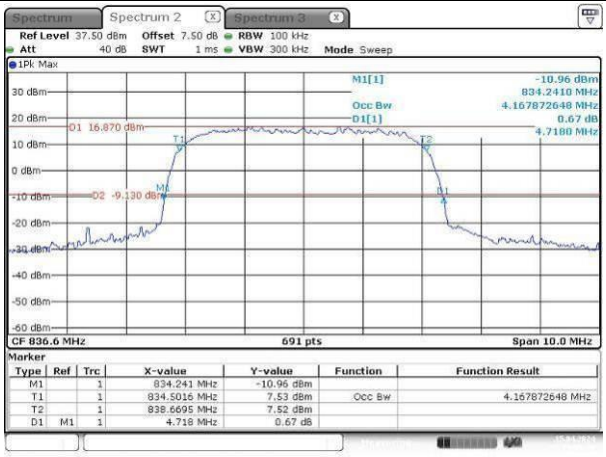
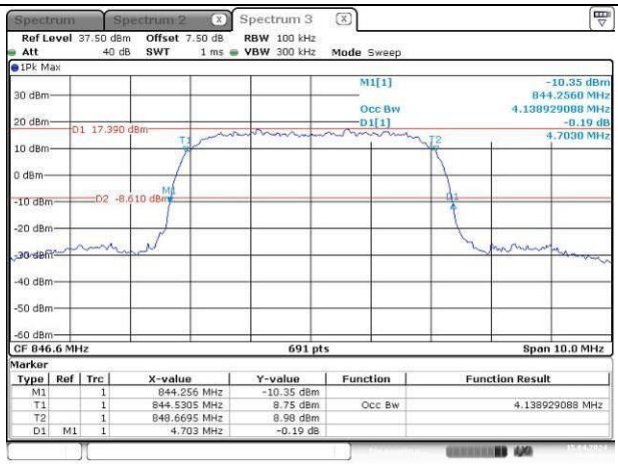
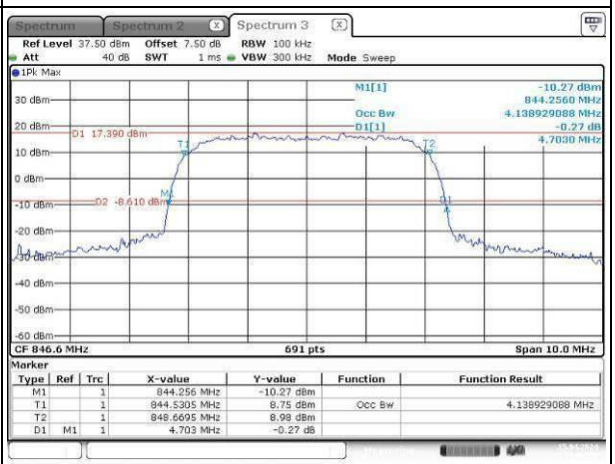
**For FCC:**

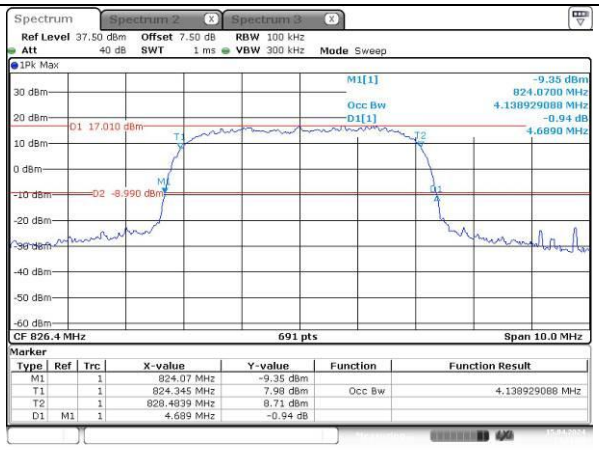
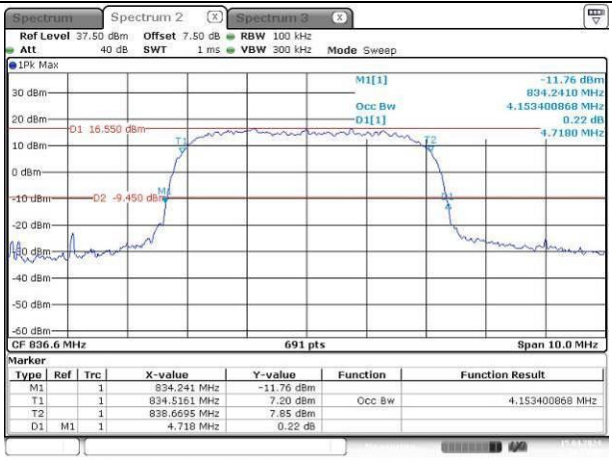
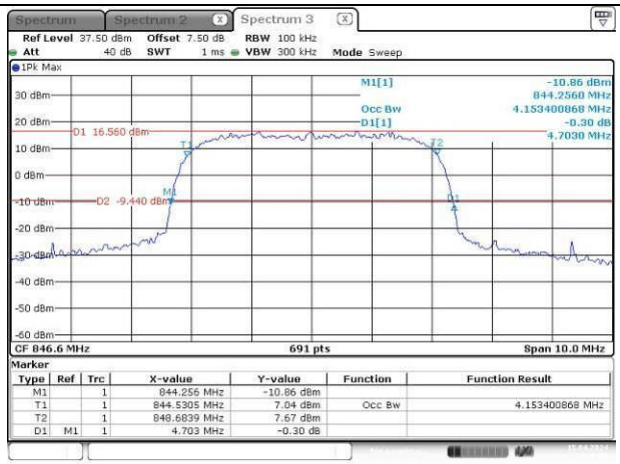
| FCC §2.1055, §22.355: Frequency Stability | | | | | |
|---|---|---|---|---|---|
| Test Modulation: | WCDMA R99 | | Test Channel: | 836.6 | MHz |
| Test Item | Temperature (℃) | Voltage ($V_{DC}$) | Frequency Error | | Limit |
| | | | (Hz) | (ppm) | (ppm) |
| Frequency Stability vs. Temperature | -30 | 3.7 | -7.82 | -0.009 | 2.5 |
| | -20 | 3.7 | 5.07 | 0.006 | 2.5 |
| | -10 | 3.7 | -4.4 | -0.005 | 2.5 |
| | 0 | 3.7 | -2.77 | -0.003 | 2.5 |
| | 10 | 3.7 | 0.71 | 0.001 | 2.5 |
| | 20 | 3.7 | -6.87 | -0.008 | 2.5 |
| | 30 | 3.7 | 8.73 | 0.010 | 2.5 |
| | 40 | 3.7 | 8.5 | 0.010 | 2.5 |
| | 50 | 3.7 | -5.1 | -0.006 | 2.5 |
| Frequency Stability vs. Voltage | 20 | 3.4 | 5.77 | 0.007 | 2.5 |
| | 20 | 4.35 | -9.35 | -0.011 | 2.5 |
| | | | | **Result:** | **Pass** |

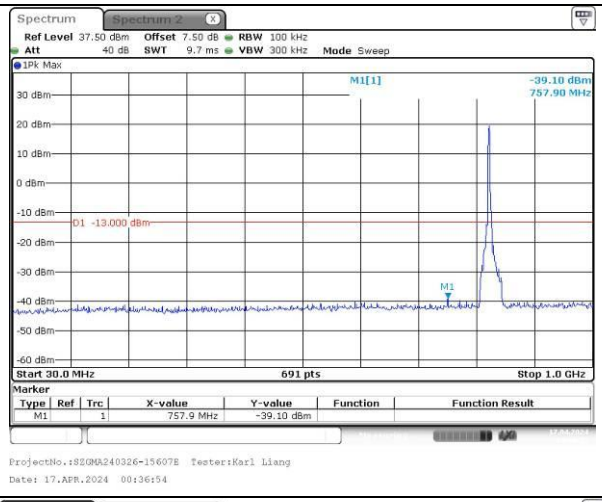
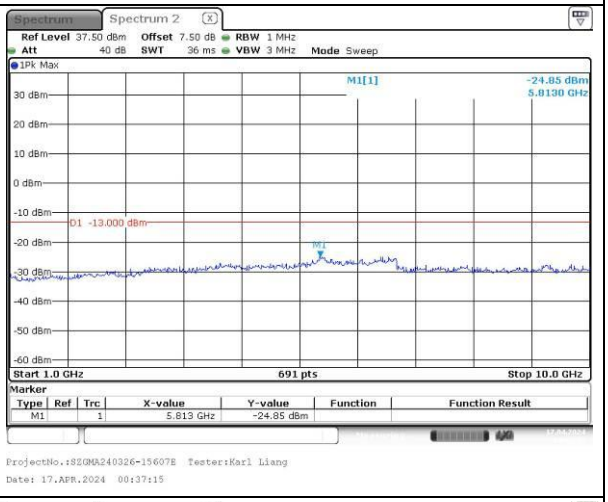
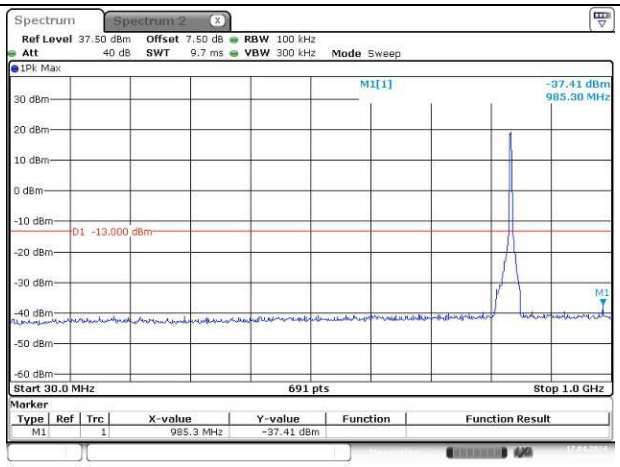
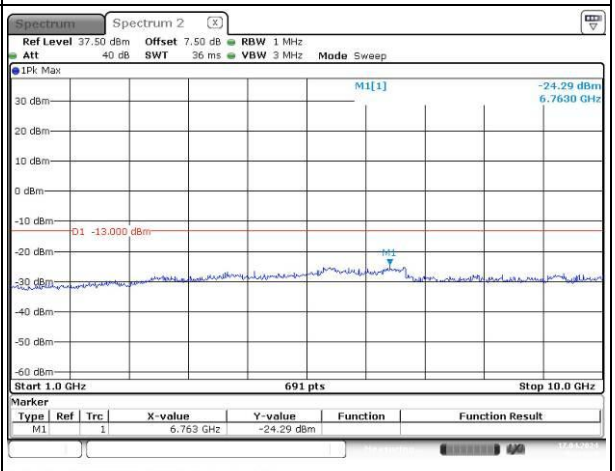
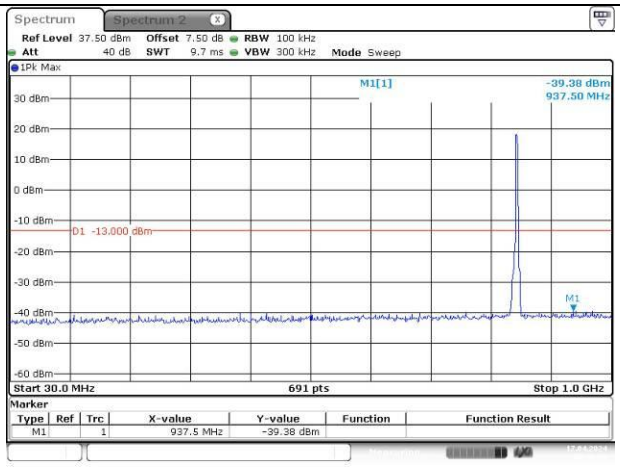
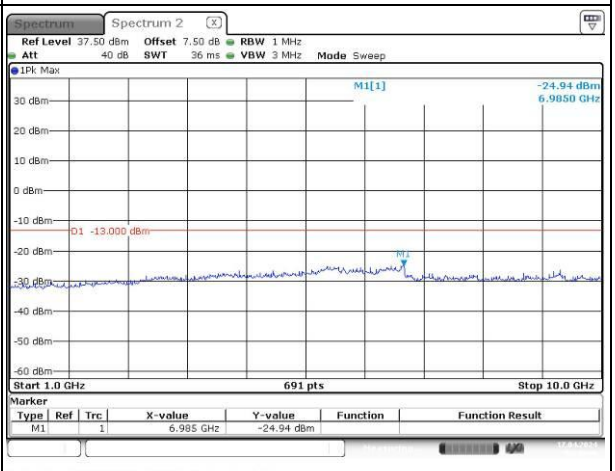
**For IC:**

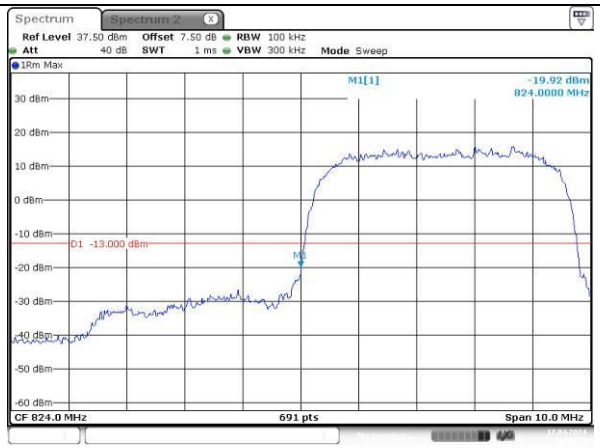
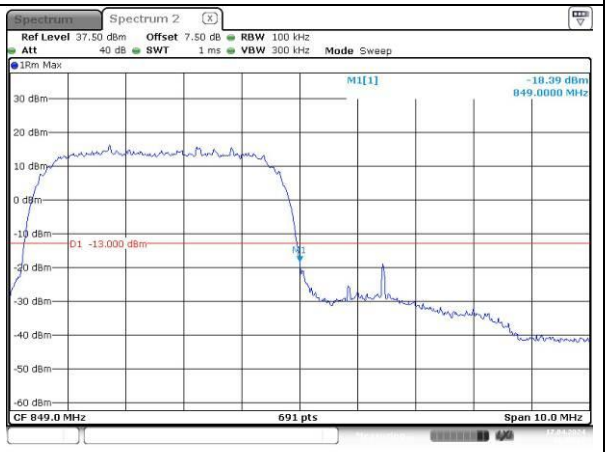
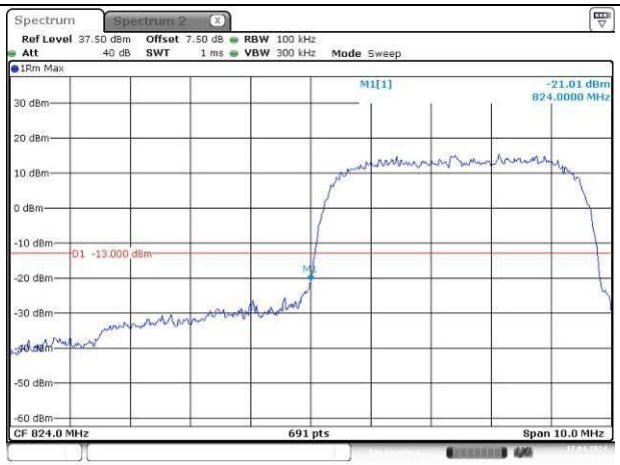
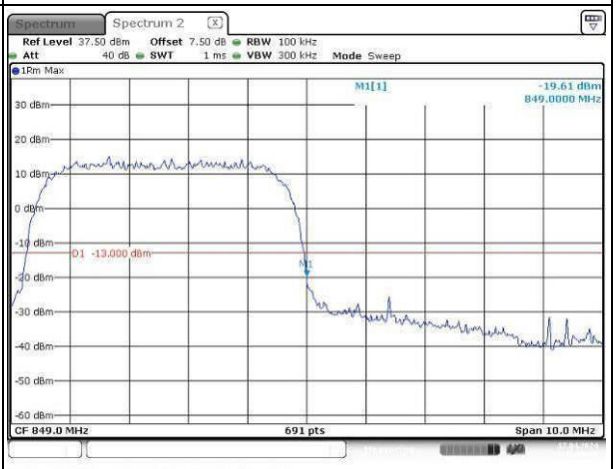
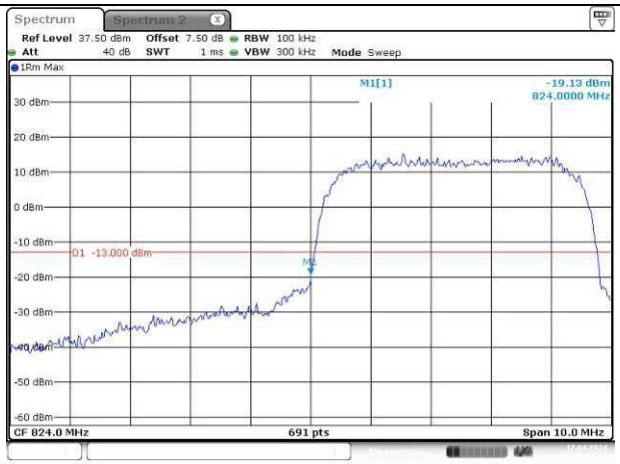
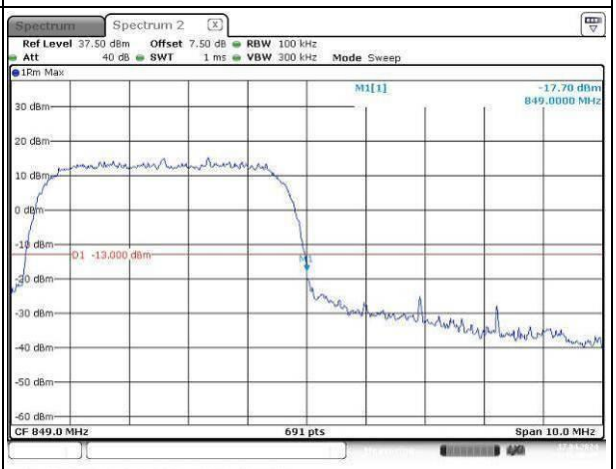
| Frequency Stability | | | | | | |
|---|---|---|---|---|---|---|
| Test Mode: | WCDMA R99 | Test Channel: Lowest for Lower Edge,Highest for Upper Edge | | | | |
| Test Item | Temperature (℃) | Voltage ($V_{DC}$) | Lower Edge (MHz) | | Upper Edge (MHz) | |
| | | | Result | Limit | Result | Limit |
| Frequency Stability vs. Temperature | -30 | 3.7 | 824.306 | 824.000 | 848.664 | 849.000 |
| | -20 | 3.7 | 824.324 | 824.000 | 848.658 | 849.000 |
| | -10 | 3.7 | 824.342 | 824.000 | 848.658 | 849.000 |
| | 0 | 3.7 | 824.336 | 824.000 | 848.655 | 849.000 |
| | 10 | 3.7 | 824.324 | 824.000 | 848.664 | 849.000 |
| | 20 | 3.7 | 824.345 | 824.000 | 848.670 | 849.000 |
| | 30 | 3.7 | 824.348 | 824.000 | 848.694 | 849.000 |
| | 40 | 3.7 | 824.366 | 824.000 | 848.688 | 849.000 |
| | 50 | 3.7 | 824.357 | 824.000 | 848.673 | 849.000 |
| Frequency Stability vs. Voltage | 20 | 3.4 | 824.351 | 824.000 | 848.694 | 849.000 |
| | 20 | 4.35 | 824.369 | 824.000 | 848.676 | 849.000 |
| | | | | | **Result:** | **Pass** |

## Test Plots

| 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 |  |  |

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

| | | | |
|---|---|---|---|
| Serial Number: | 2J4T-2 | Test Date: | 2024/4/9~2024/4/23 |
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | Jeff Wei, Karl Liang | Test Result: | **Pass** |

| **Environmental Conditions:** | | | | | |
|---|---|---|---|---|---|
| Temperature: (℃) | 25.1~27.0 | Relative Humidity: (%) | 49~61 | ATM Pressure: (kPa) | 100.5~101.2 |

**Test Equipment List and Details:**

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| R&S | Spectrum Analyzer | FSV40 | 101461 | 2023/11/27 | 2024/11/26 |
| Micro-Coax | Coaxial Cable | UFA210A | 94089550 | 2023/9/1 | 2024/8/31 |
| Minl-Clrcuits | Coaxial Power Splitters & Combiner | ZFRSC-183-S+ | SF448201614 | 2024/2/25 | 2025/2/24 |
| R&S | Wideband Radio Communication Tester | CMW500 | 144976 | 2023/10/18 | 2024/10/17 |
| BACL | TEMP&HUMI Test Chamber | BTH-150-40 | 30173 | 2023/10/18 | 2024/10/17 |
| All-sun | Clamp Meter | EM305A | 8348897 | 2023/8/3 | 2024/8/2 |
| TDK-Lambda | DC Power Supply | Z+60-14 | F-08-EM038-1 | N/A | N/A |

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (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:**

**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 | 20.3 | 20.29 | 20.07 | 21.72 | 33 |
| | RB1#3 | 20.31 | 20.23 | 20.04 | | |
| | RB1#5 | 20.38 | 20.33 | 20.13 | | |
| | RB3#0 | 20.36 | 20.21 | 20.14 | | |
| | RB3#3 | 20.34 | 20.24 | 20.11 | | |
| | RB6#0 | 19.37 | 19.2 | 19.16 | | |
| 1.4MHz 16QAM | RB1#0 | 20.05 | 19.5 | 19.9 | 21.48 | 33 |
| | RB1#3 | 20.1 | 19.48 | 19.88 | | |
| | RB1#5 | 20.14 | 19.53 | 19.8 | | |
| | RB3#0 | 19.28 | 19.2 | 19.03 | | |
| | RB3#3 | 19.28 | 19.23 | 19 | | |
| | RB6#0 | 18.47 | 18.42 | 18.23 | | |
| 3MHz QPSK | RB1#0 | 20.31 | 20.1 | 20 | 21.73 | 33 |
| | RB1#8 | 20.35 | 20.1 | 20.05 | | |
| | RB1#14 | 20.39 | 20.13 | 20.02 | | |
| | RB6#0 | 19.36 | 19.12 | 19.1 | | |
| | RB6#9 | 19.34 | 19.19 | 19.02 | | |
| | RB15#0 | 19.38 | 19.2 | 19.1 | | |
| 3MHz 16QAM | RB1#0 | 20.17 | 19.01 | 19.48 | 21.51 | 33 |
| | RB1#8 | 20.1 | 18.93 | 19.48 | | |
| | RB1#14 | 20.14 | 18.94 | 19.39 | | |
| | RB6#0 | 18.43 | 18.36 | 18.12 | | |
| | RB6#9 | 18.52 | 18.33 | 18.15 | | |
| | RB15#0 | 18.4 | 18.36 | 18.22 | | |
| 5MHz QPSK | RB1#0 | 20.43 | 20.32 | 20.08 | 21.81 | 33 |
| | RB1#13 | 20.35 | 20.18 | 20.04 | | |
| | RB1#24 | 20.47 | 20.22 | 20.05 | | |
| | RB15#0 | 19.33 | 19.29 | 19.19 | | |
| | RB15#10 | 19.38 | 19.27 | 19.03 | | |
| | RB25#0 | 19.32 | 19.26 | 19.08 | | |
| 5MHz 16QAM | RB1#0 | 19.51 | 18.91 | 18.33 | 20.88 | 33 |
| | RB1#13 | 19.52 | 18.95 | 18.31 | | |
| | RB1#24 | 19.54 | 18.94 | 18.29 | | |
| | RB15#0 | 18.34 | 18.41 | 18.31 | | |
| | RB15#10 | 18.39 | 18.37 | 18.28 | | |
| | RB25#0 | 18.49 | 18.26 | 18.27 | | |
| 10MHz QPSK | RB1#0 | 20.49 | 20.28 | 20.04 | 21.83 | 33 |
| | RB1#25 | 20.39 | 20.13 | 20.04 | | |
| | RB1#49 | 20.42 | 20.15 | 20.04 | | |
| | RB25#0 | 19.29 | 19.27 | 19.14 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | RB25#25 | 19.3 | 19.21 | 19.07 | | |
| | RB50#0 | 19.31 | 19.23 | 19.15 | | |
| 10MHz 16QAM | RB1#0 | 19.55 | 18.82 | 19.32 | 20.91 | 33 |
| | RB1#25 | 19.57 | 18.79 | 19.36 | | |
| | RB1#49 | 19.57 | 18.7 | 19.28 | | |
| | RB25#0 | 18.57 | 18.45 | 18.24 | | |
| | RB25#25 | 18.58 | 18.39 | 18.28 | | |
| | RB50#0 | 18.49 | 18.36 | 18.21 | | |
| 15MHz QPSK | RB1#0 | 20.52 | 20.35 | 20.07 | 21.86 | 33 |
| | RB1#38 | 20.38 | 20.24 | 20.05 | | |
| | RB1#74 | 20.41 | 20.27 | 20.01 | | |
| | RB36#0 | 19.39 | 19.35 | 19.18 | | |
| | RB36#39 | 19.33 | 19.23 | 19.11 | | |
| | RB75#0 | 19.36 | 19.31 | 19.14 | | |
| 15MHz 16QAM | RB1#0 | 19.56 | 19.78 | 19.43 | 21.12 | 33 |
| | RB1#38 | 19.55 | 19.75 | 19.35 | | |
| | RB1#74 | 19.57 | 19.75 | 19.28 | | |
| | RB36#0 | 18.65 | 18.27 | 18.31 | | |
| | RB36#39 | 18.59 | 18.42 | 18.32 | | |
| | RB75#0 | 18.48 | 18.34 | 18.35 | | |
| 20MHz QPSK | RB1#0 | 20.51 | 20.3 | 20.25 | 21.85 | 33 |
| | RB1#50 | 20.39 | 20.23 | 20.18 | | |
| | RB1#99 | 20.45 | 20.23 | 20.25 | | |
| | RB50#0 | 19.36 | 19.2 | 19.17 | | |
| | RB50#50 | 19.37 | 19.16 | 19.14 | | |
| | RB100#0 | 19.39 | 19.2 | 19.16 | | |
| 20MHz 16QAM | RB1#0 | 19.51 | 20.3 | 19.27 | 21.64 | 33 |
| | RB1#50 | 19.44 | 20.08 | 19.13 | | |
| | RB1#99 | 19.41 | 20.05 | 19.04 | | |
| | RB50#0 | 18.55 | 18.23 | 18.27 | | |
| | RB50#50 | 18.41 | 18.18 | 18.28 | | |
| | RB100#0 | 18.38 | 18.25 | 18.22 | | |
| 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 | 5.68 | 5.97 | 6.23 | 13 |
| | RB100#0 | 4.46 | 4.64 | 4.38 | 13 |
| 20MHz 16QAM | RB1#0 | 6.2 | 6.75 | 7.28 | 13 |
| | RB100#0 | 6 | 6.06 | 6 | 13 |
| | | | | **Result:** | **Pass** |

| **Occupied Bandwidth** | | | | | | |
|---|---|---|---|---|---|---|
| Operation Mode | 99% Occupied Bandwidth (MHz) | | | 26 dB Occupied Bandwidth (MHz) | | |
| | Low Channel | Middle channel | High Channel | Low Channel | Middle Channel | High Channel |
| 1.4MHz QPSK | 1.102 | 1.102 | 1.102 | 1.254 | 1.254 | 1.26 |
| 1.4MHz 16QAM | 1.102 | 1.108 | 1.096 | 1.254 | 1.266 | 1.254 |
| 3MHz QPSK | 2.695 | 2.695 | 2.695 | 3.012 | 3.024 | 3 |
| 3MHz 16QAM | 2.683 | 2.683 | 2.695 | 3.012 | 3.024 | 3.012 |
| 5MHz QPSK | 4.511 | 4.511 | 4.531 | 5.02 | 5 | 5 |
| 5MHz 16QAM | 4.531 | 4.531 | 4.511 | 5.02 | 5.02 | 4.98 |
| 10MHz QPSK | 8.942 | 8.942 | 8.942 | 9.76 | 9.84 | 9.76 |
| 10MHz 16QAM | 8.982 | 8.982 | 8.942 | 9.84 | 9.84 | 9.72 |
| 15MHz QPSK | 13.533 | 13.533 | 13.413 | 15.06 | 15.12 | 14.28 |
| 15MHz 16QAM | 13.593 | 13.533 | 13.533 | 15.12 | 15.06 | 15 |
| 20MHz QPSK | 17.964 | 18.044 | 17.964 | 19.52 | 19.84 | 19.6 |
| 20MHz 16QAM | 18.044 | 18.044 | 17.964 | 19.76 | 19.76 | 19.68 |
| Note: The test plots please refer to the Plots of Occupied Bandwidth | | | | | | |

| **Spurious Emissions at Antenna Terminal** | |
|---|---|
| **Result:** | **Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.** |

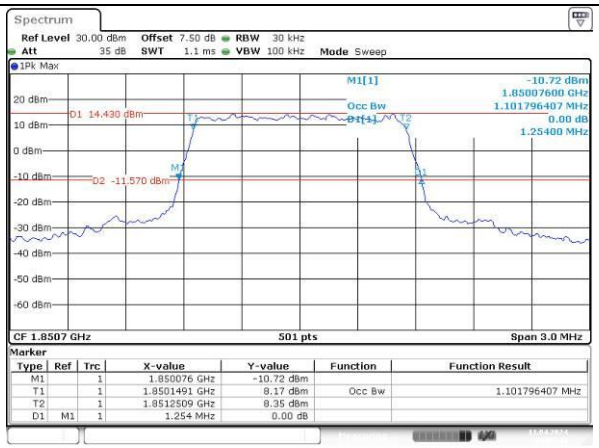
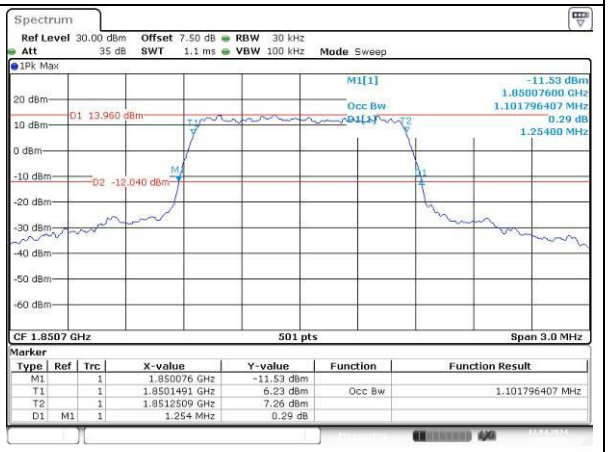
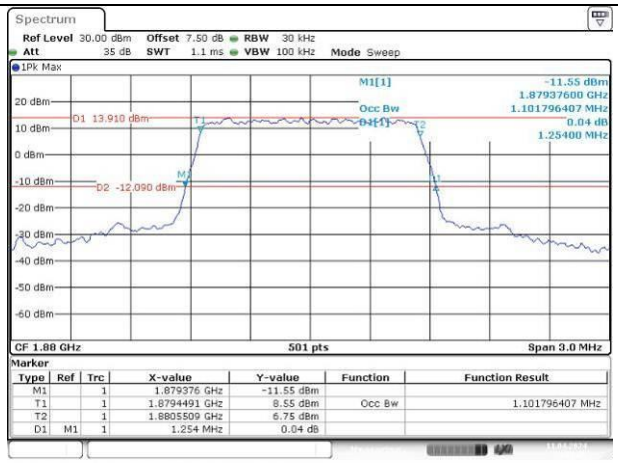
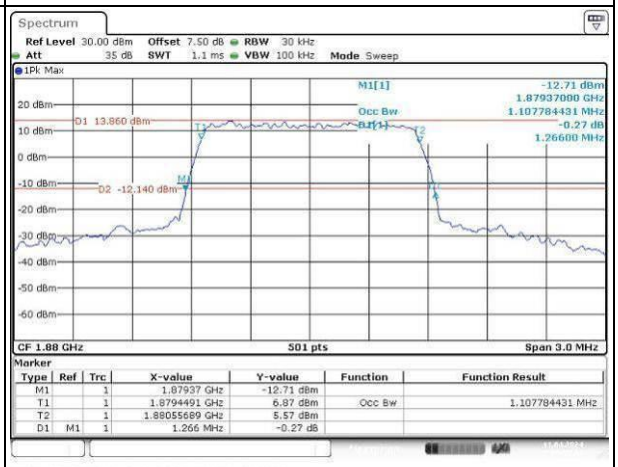
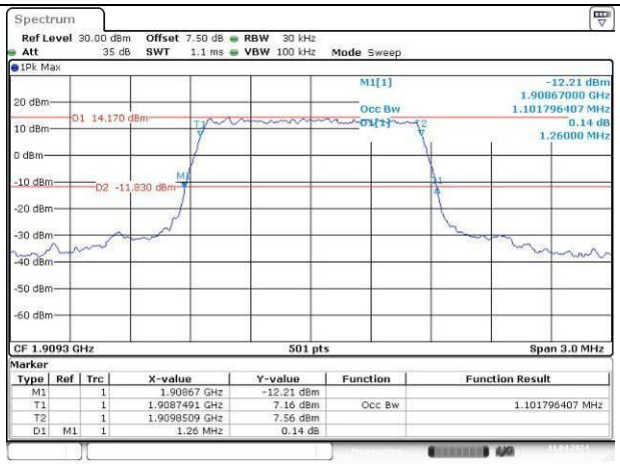
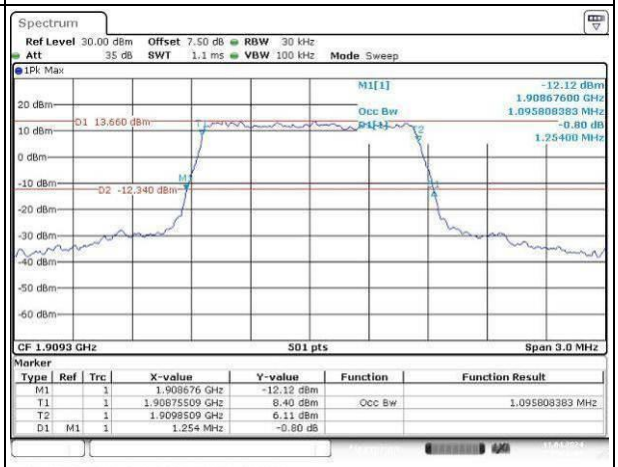
| **Out of band emission, Band Edge** | |
|---|---|
| **Result:** | **Pass, Please refer to the test plots of Out of band emission, Band Edge.** |

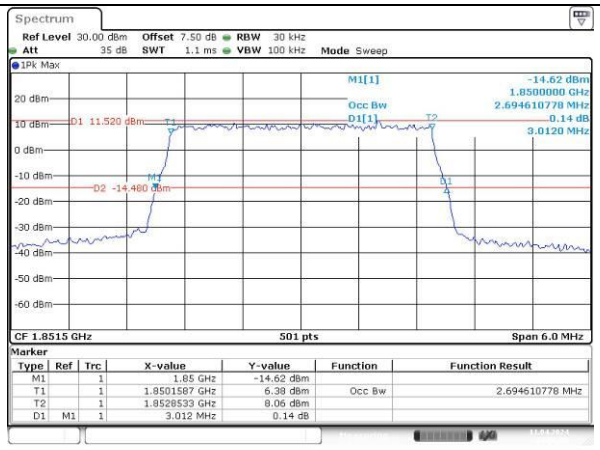
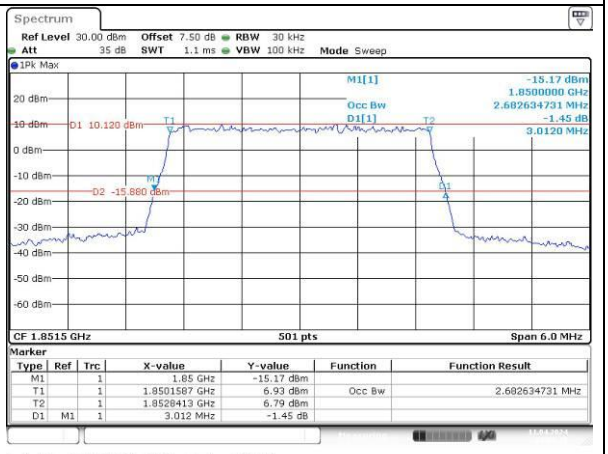
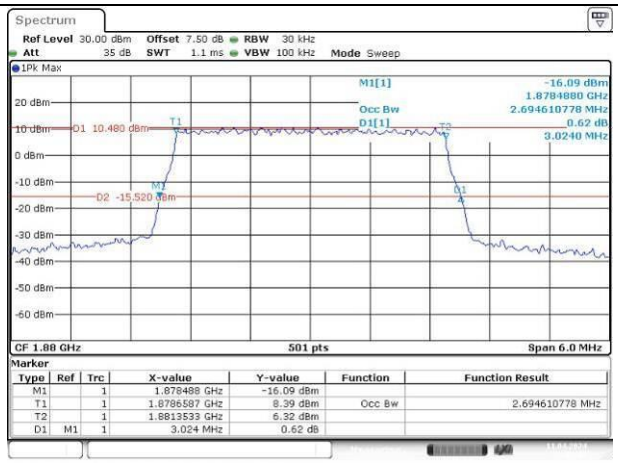
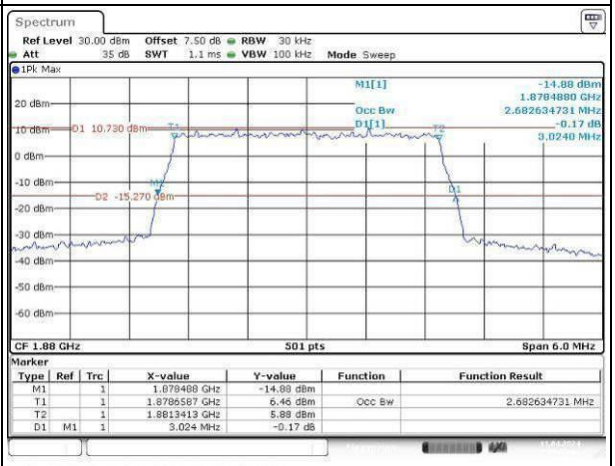
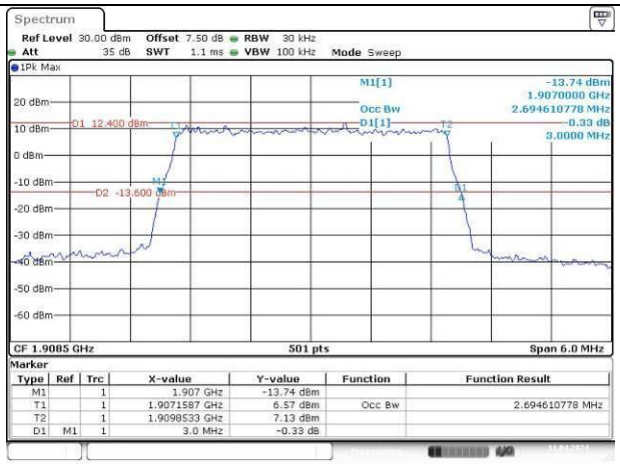
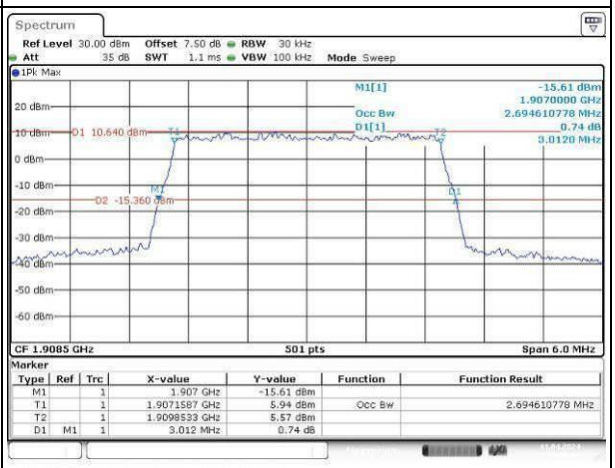
**Frequency Stability**

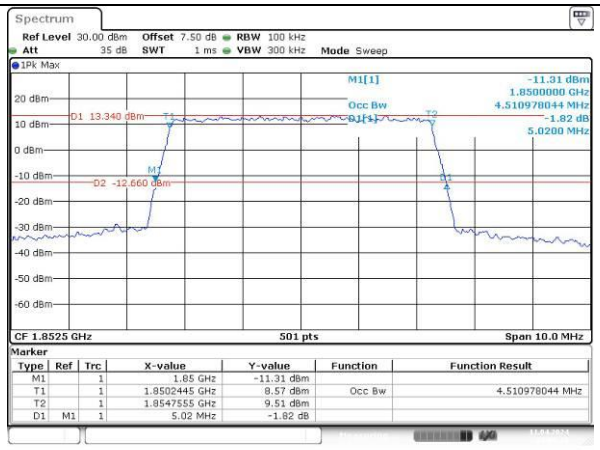
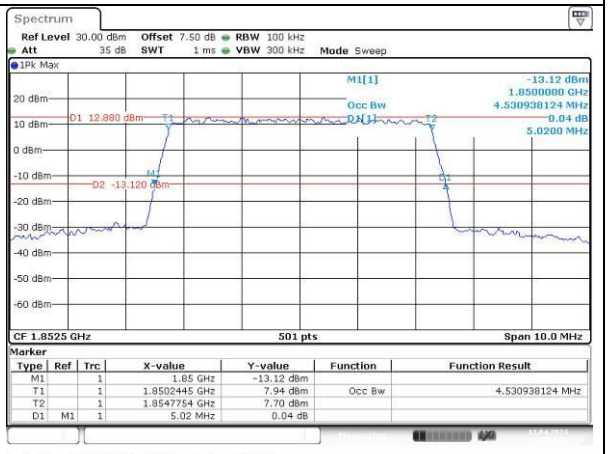
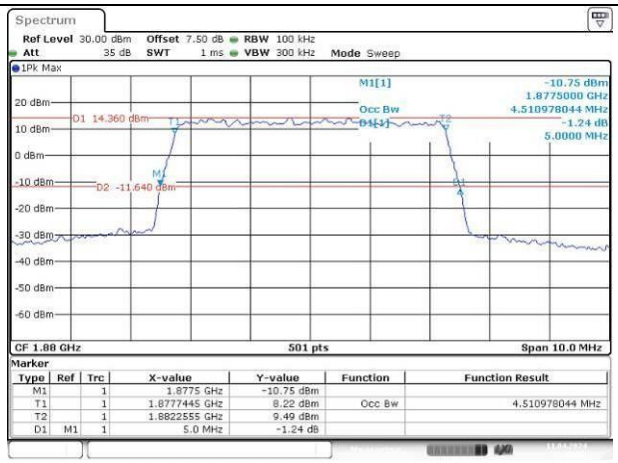
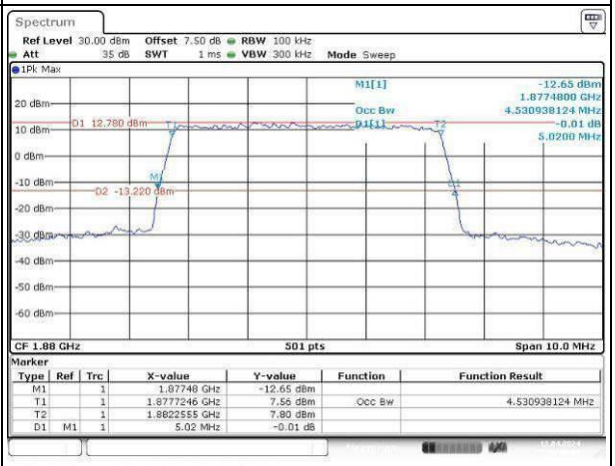
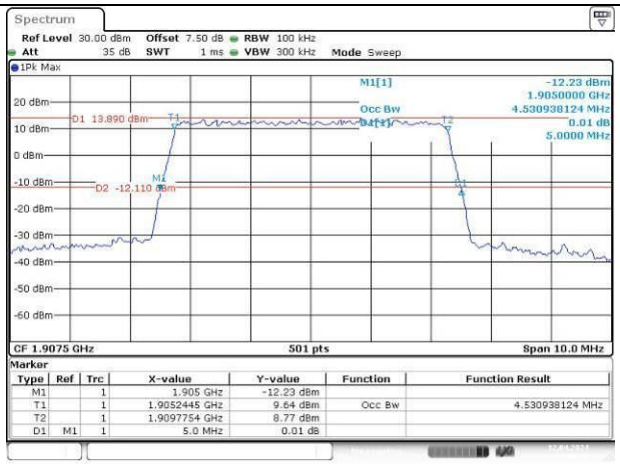
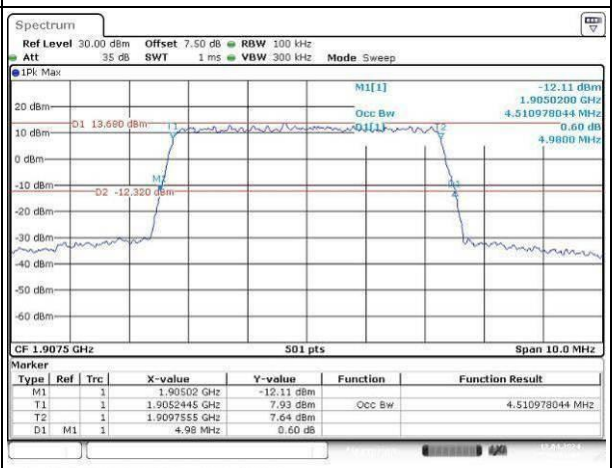
| Test Mode: | 20M QPSK | Test Channel: Lowest for Lower Edge,Highest for Upper Edge | | | | |
|---|---|---|---|---|---|---|
| Test Item | Temperature (℃) | Voltage ($V_{DC}$) | Lower Edge (MHz) | | Upper Edge (MHz) | |
| | | | Result | Limit | Result | Limit |
| Frequency Stability vs. Temperature | -30 | 3.7 | 1851.111 | 1850.000 | 1909.004 | 1910.000 |
| | -20 | 3.7 | 1851.120 | 1850.000 | 1909.013 | 1910.000 |
| | -10 | 3.7 | 1851.126 | 1850.000 | 1909.019 | 1910.000 |
| | 0 | 3.7 | 1851.123 | 1850.000 | 1908.995 | 1910.000 |
| | 10 | 3.7 | 1851.132 | 1850.000 | 1909.001 | 1910.000 |
| | 20 | 3.7 | 1851.138 | 1850.000 | 1909.022 | 1910.000 |
| | 30 | 3.7 | 1851.165 | 1850.000 | 1909.028 | 1910.000 |
| | 40 | 3.7 | 1851.144 | 1850.000 | 1909.025 | 1910.000 |
| | 50 | 3.7 | 1851.156 | 1850.000 | 1909.037 | 1910.000 |
| Frequency Stability vs. Voltage | 20 | 3.4 | 1851.165 | 1850.000 | 1909.034 | 1910.000 |
| | 20 | 4.35 | 1851.162 | 1850.000 | 1909.034 | 1910.000 |
| | | | | | **Result:** | **Pass** |

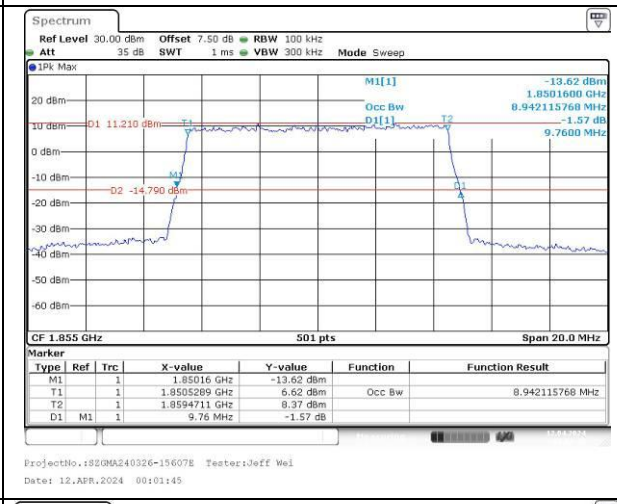
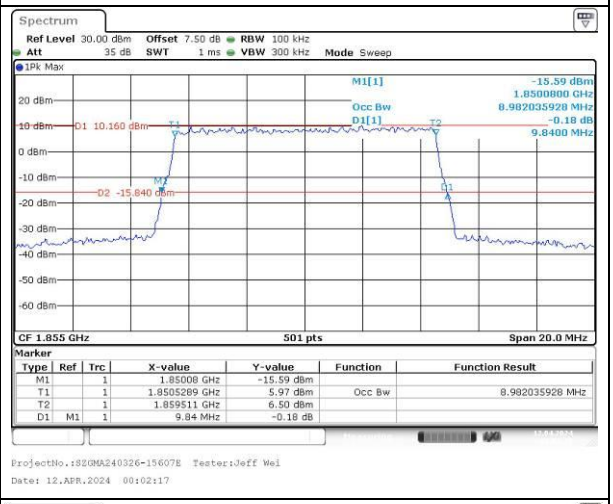
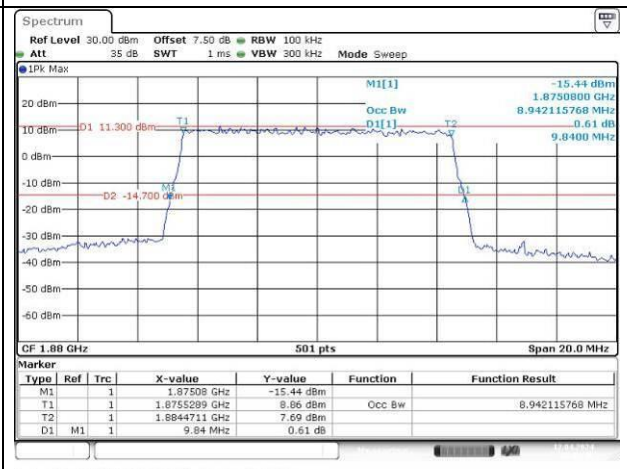
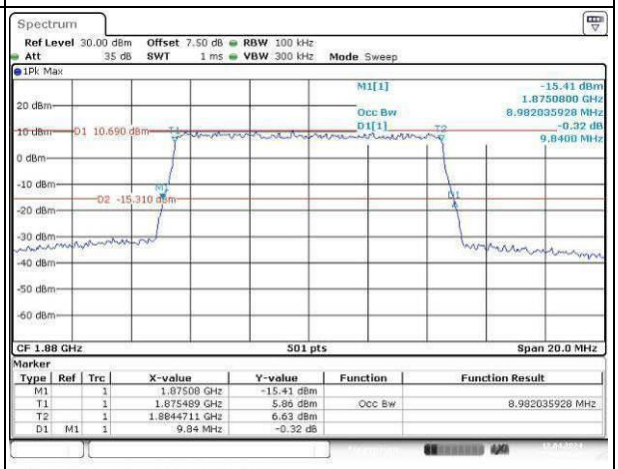
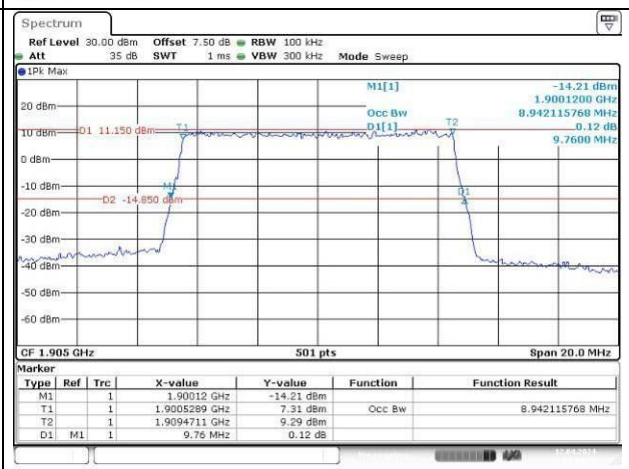
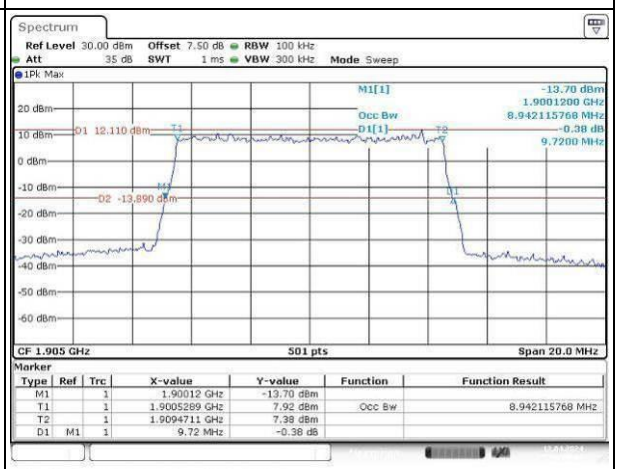
| Test Mode: | 20M 16QAM | Test Channel: Lowest for Lower Edge,Highest for Upper Edge | | | | |
|---|---|---|---|---|---|---|
| Test Item | Temperature (℃) | Voltage ($V_{DC}$) | Lower Edge (MHz) | | Upper Edge (MHz) | |
| | | | Result | Limit | Result | Limit |
| Frequency Stability vs. Temperature | -30 | 3.7 | 1851.031 | 1850.000 | 1909.016 | 1910.000 |
| | -20 | 3.7 | 1851.043 | 1850.000 | 1908.998 | 1910.000 |
| | -10 | 3.7 | 1851.031 | 1850.000 | 1909.001 | 1910.000 |
| | 0 | 3.7 | 1851.049 | 1850.000 | 1909.016 | 1910.000 |
| | 10 | 3.7 | 1851.055 | 1850.000 | 1909.007 | 1910.000 |
| | 20 | 3.7 | 1851.058 | 1850.000 | 1909.022 | 1910.000 |
| | 30 | 3.7 | 1851.064 | 1850.000 | 1909.043 | 1910.000 |
| | 40 | 3.7 | 1851.073 | 1850.000 | 1909.031 | 1910.000 |
| | 50 | 3.7 | 1851.076 | 1850.000 | 1909.025 | 1910.000 |
| Frequency Stability vs. Voltage | 20 | 3.4 | 1851.082 | 1850.000 | 1909.028 | 1910.000 |
| | 20 | 4.35 | 1851.070 | 1850.000 | 1909.031 | 1910.000 |
| | | | | | **Result:** | **Pass** |

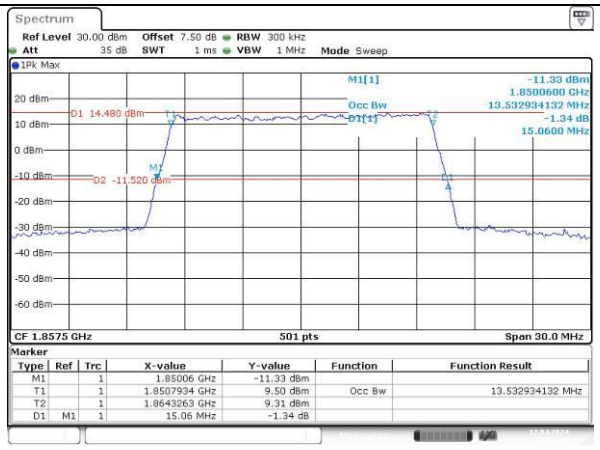
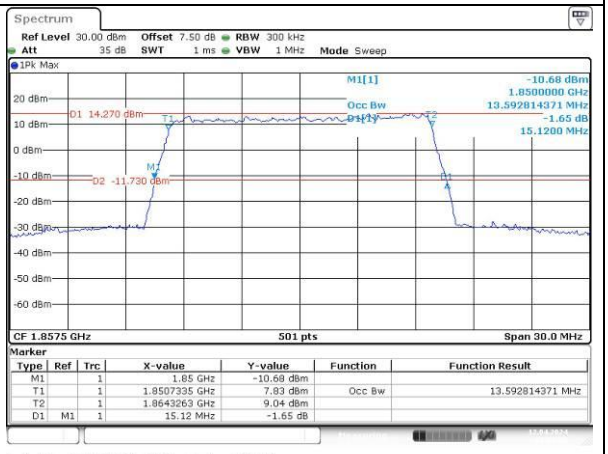
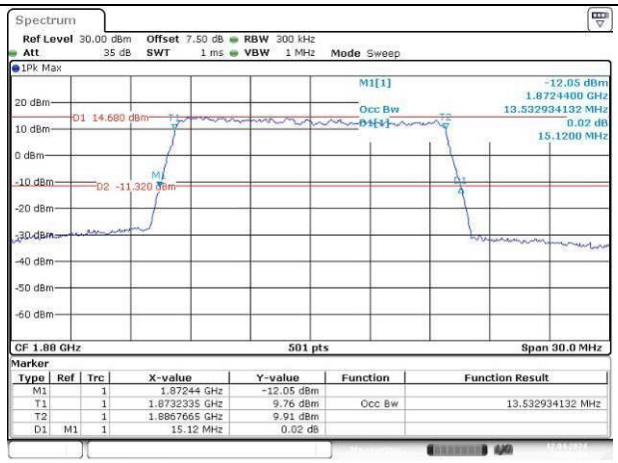
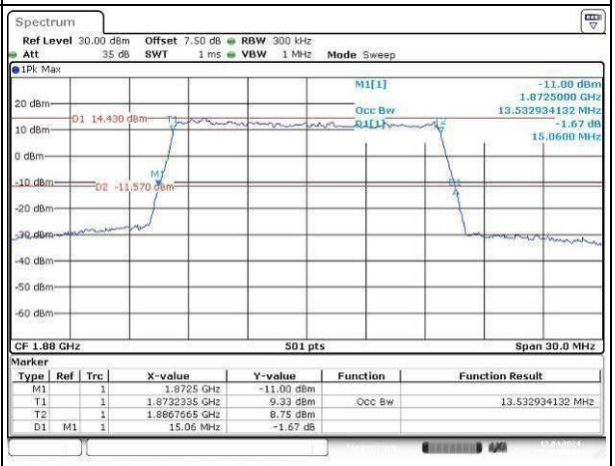
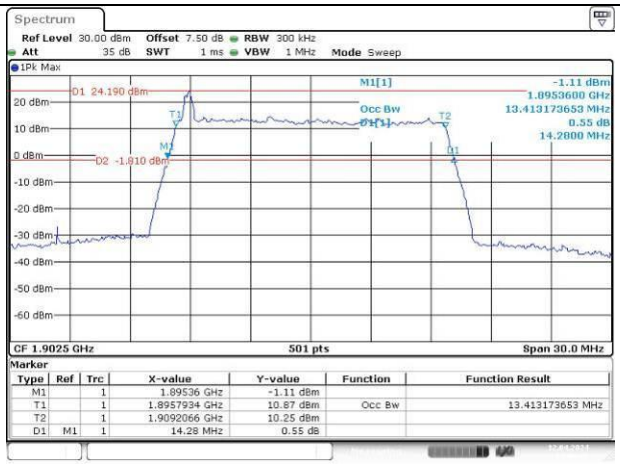
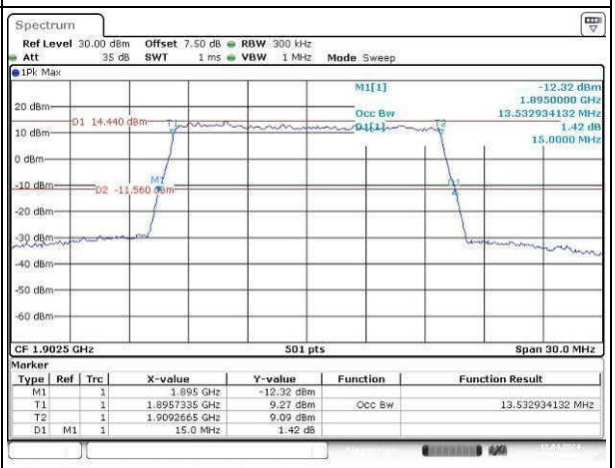
**Test Plots**:

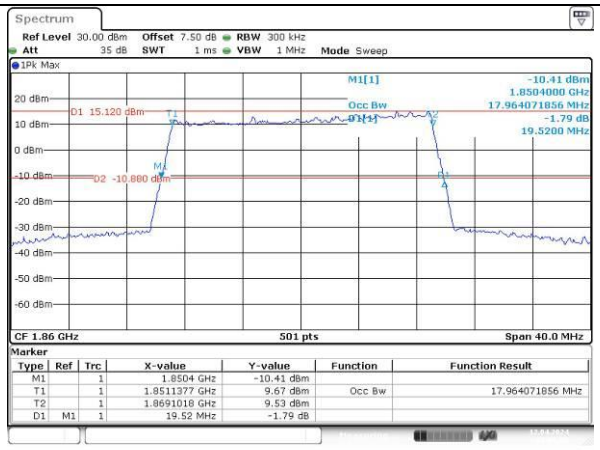
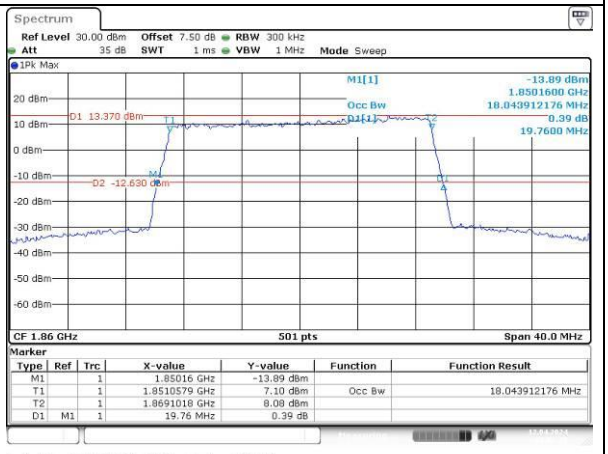
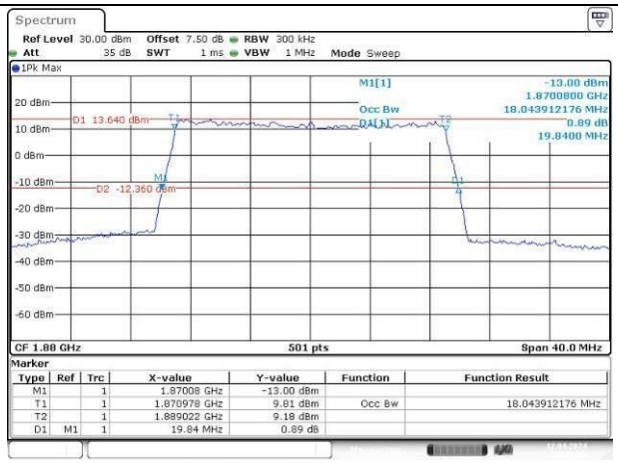
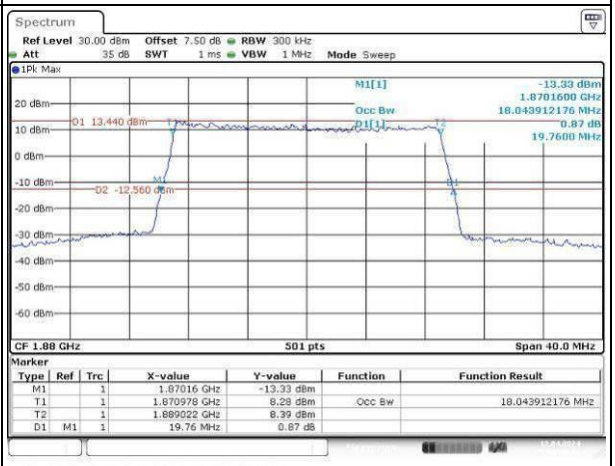
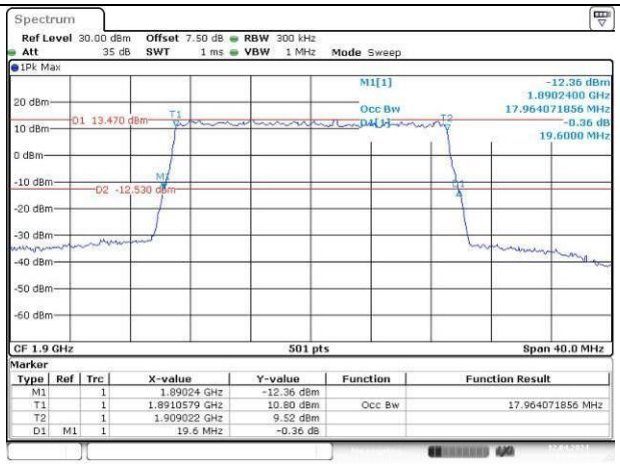
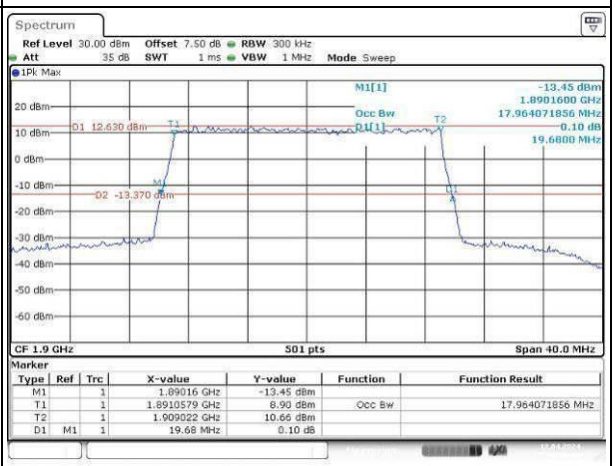
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 1.4MHz Bandwidth QPSK | 1.4MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

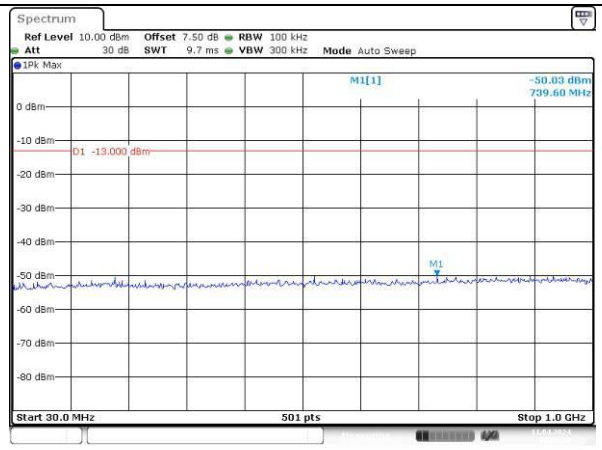
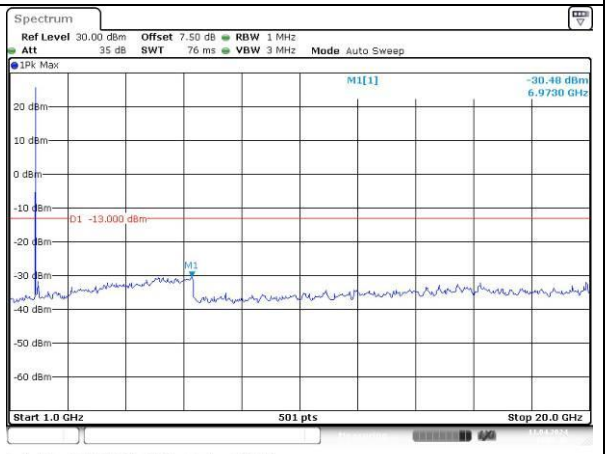
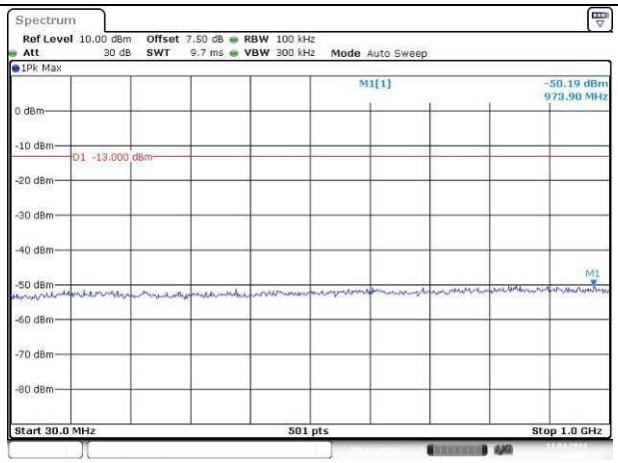
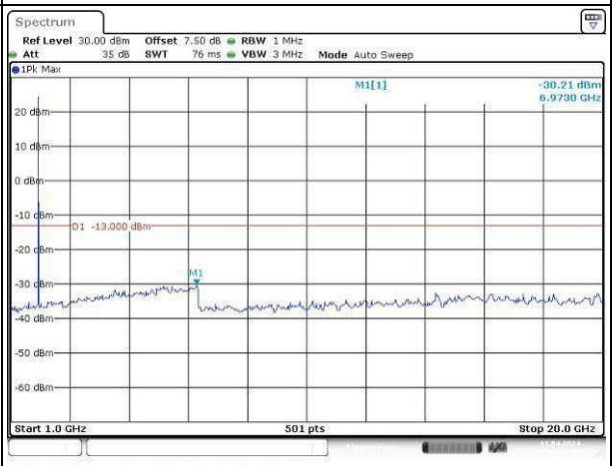
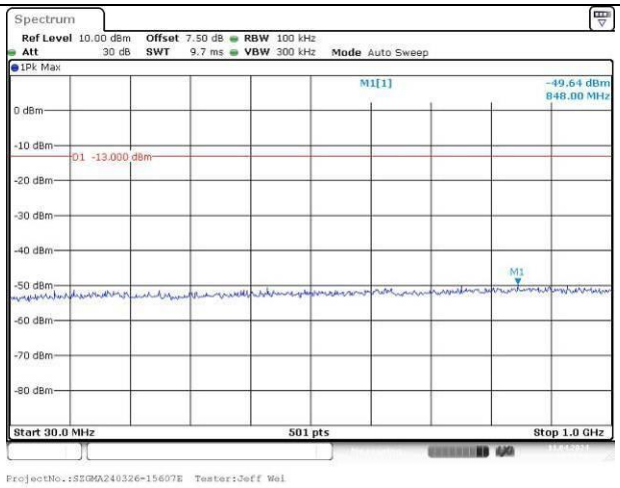
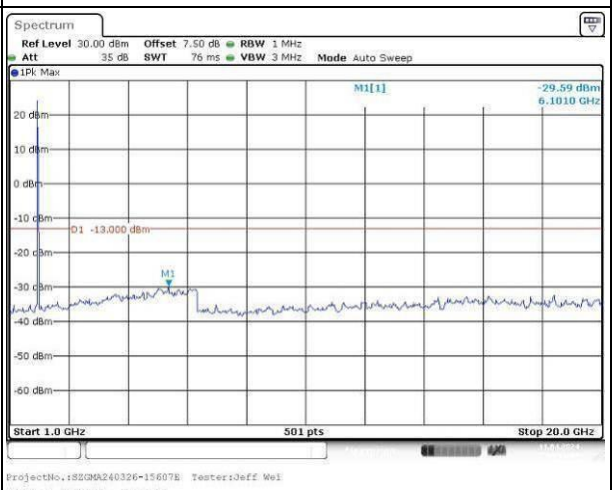
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 3MHz Bandwidth QPSK | 3MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

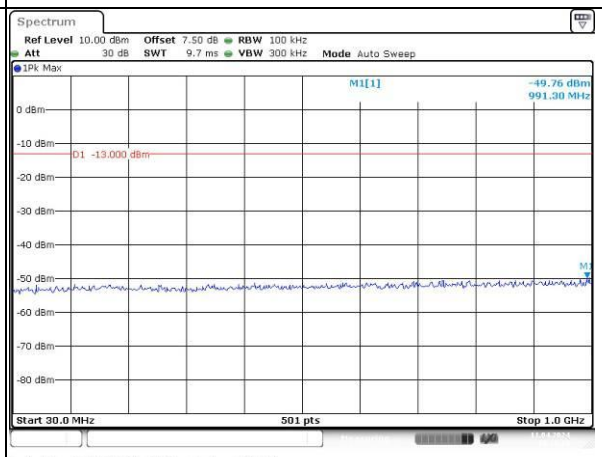
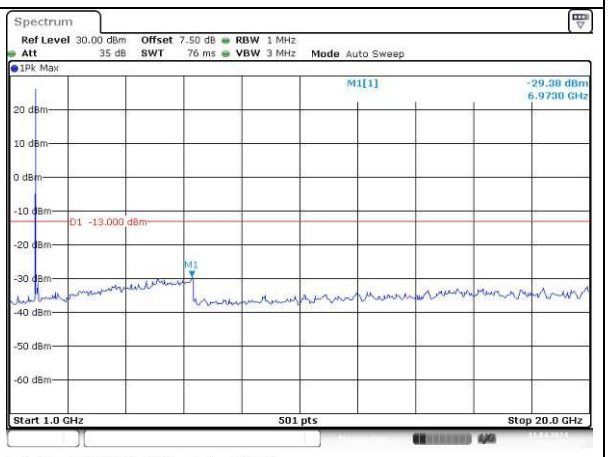
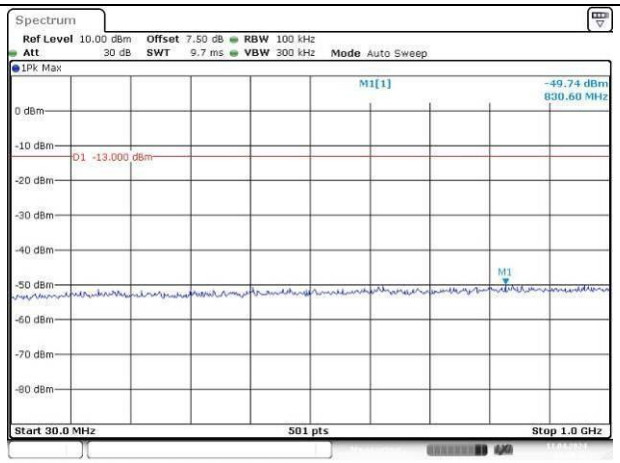
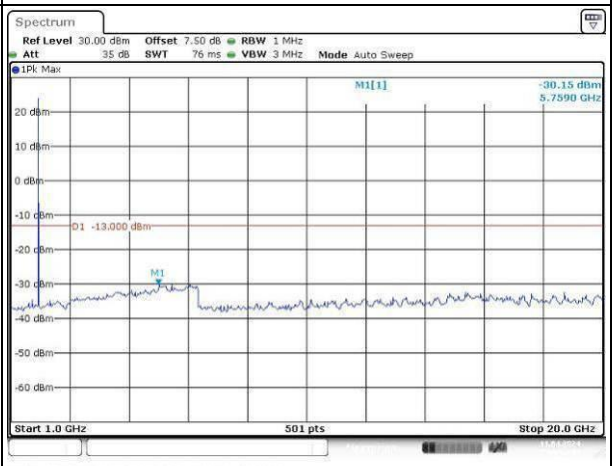
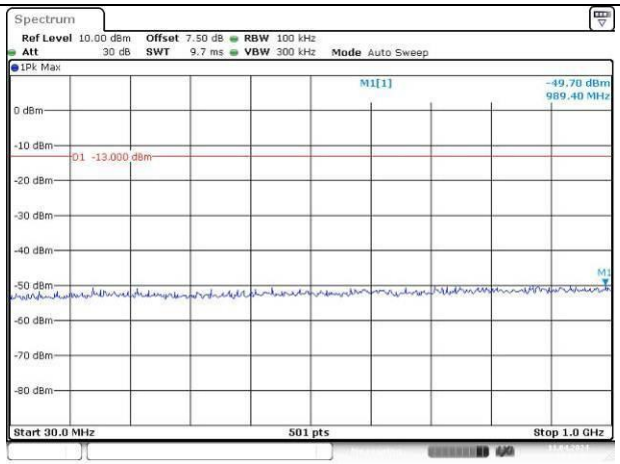
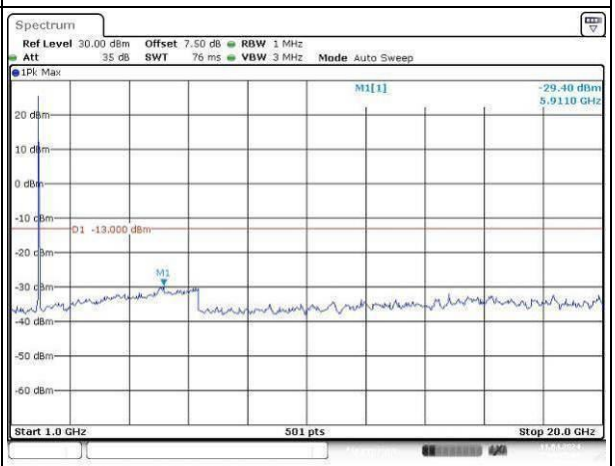
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 5MHz Bandwidth QPSK | 5MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

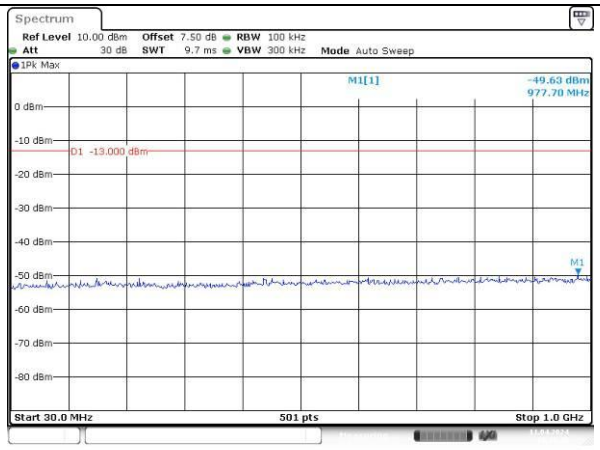
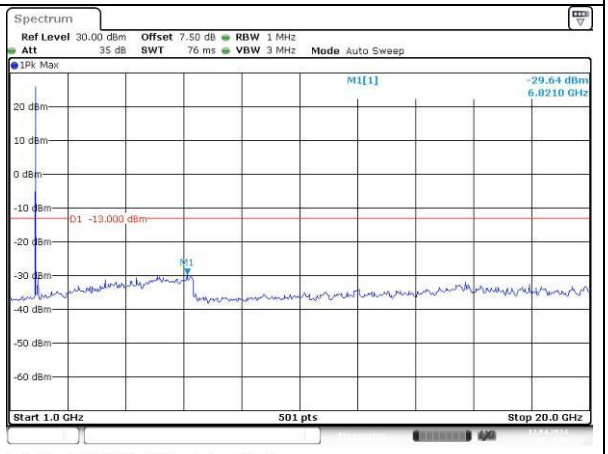
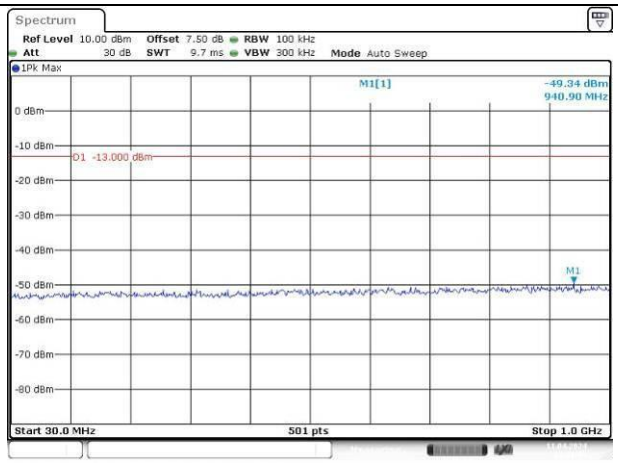
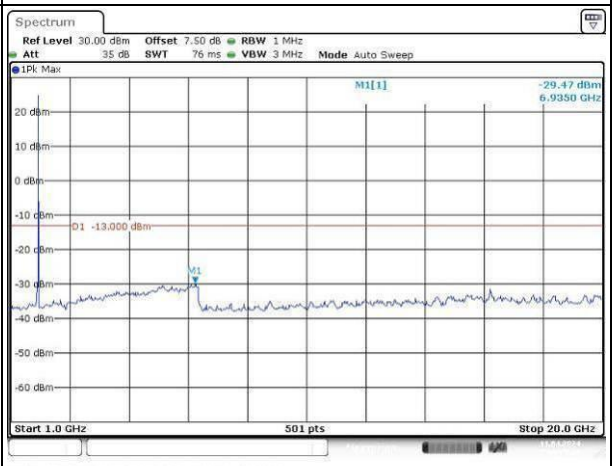
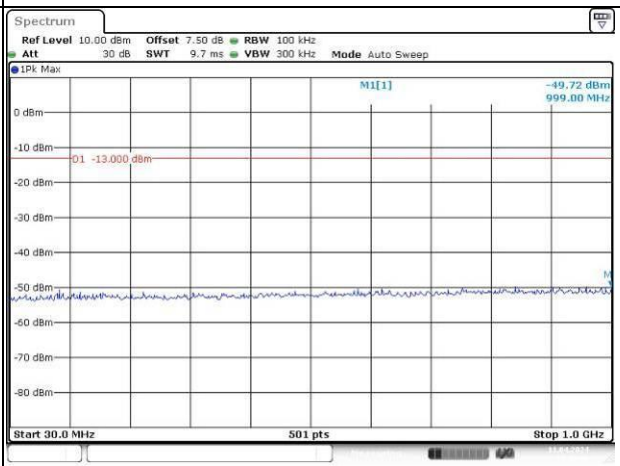
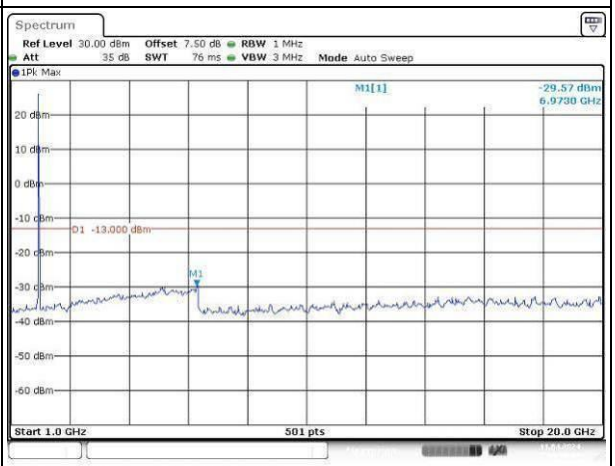
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 10MHz Bandwidth QPSK | 10MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

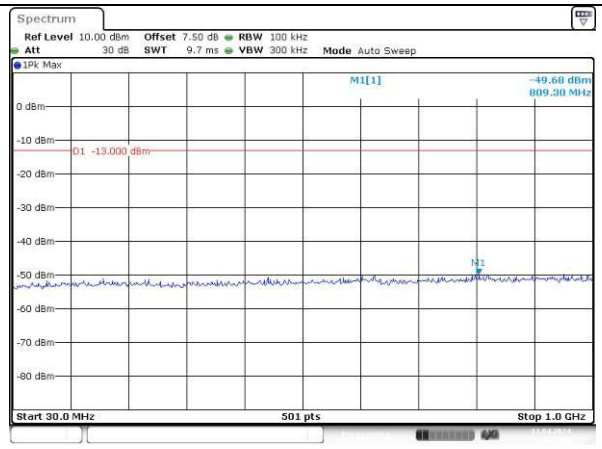
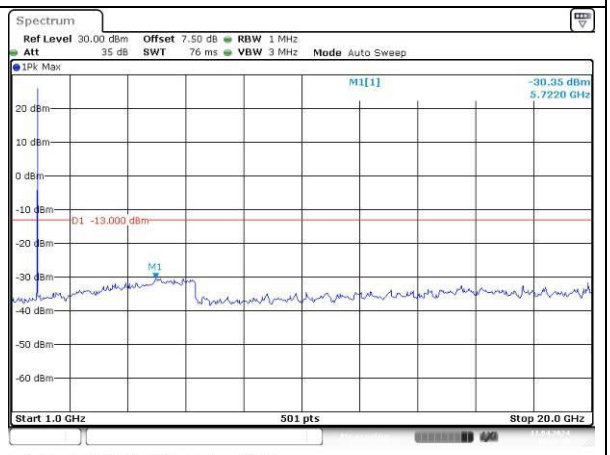
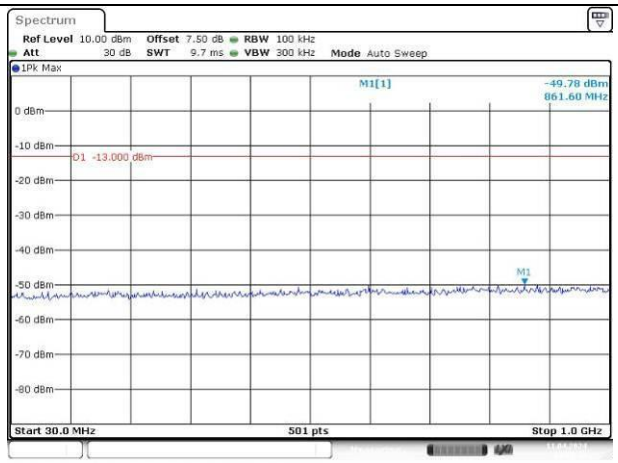
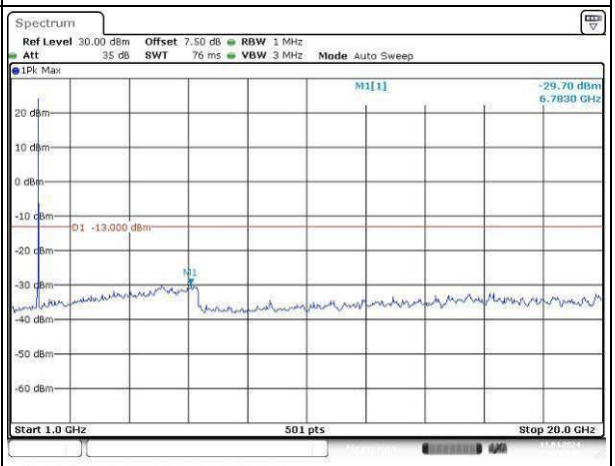
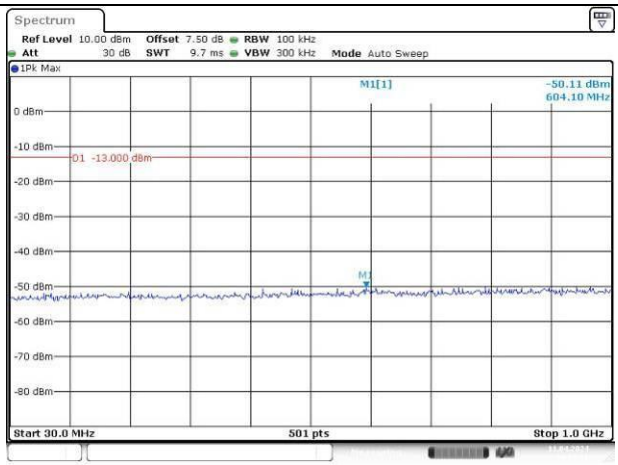
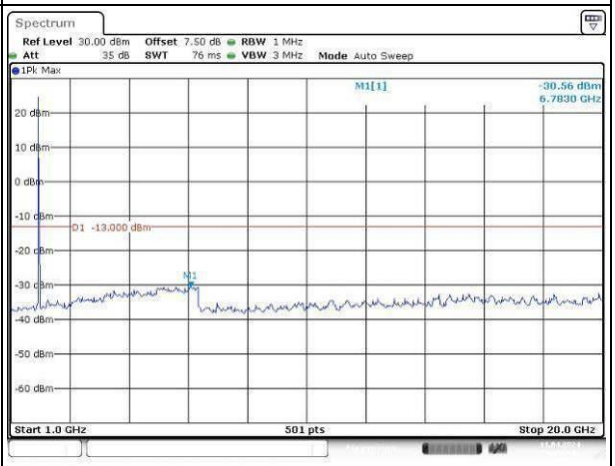
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 15MHz Bandwidth QPSK | 15MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

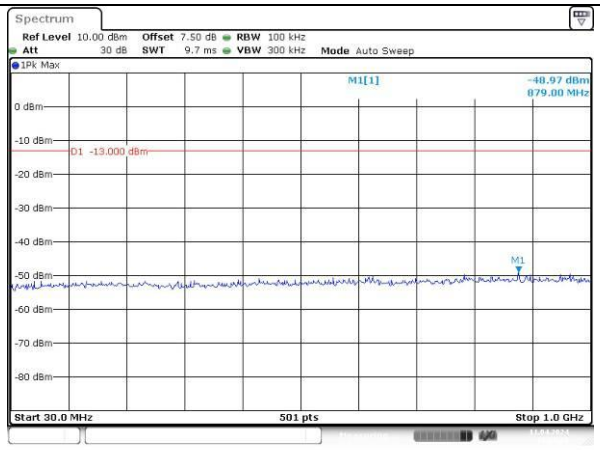
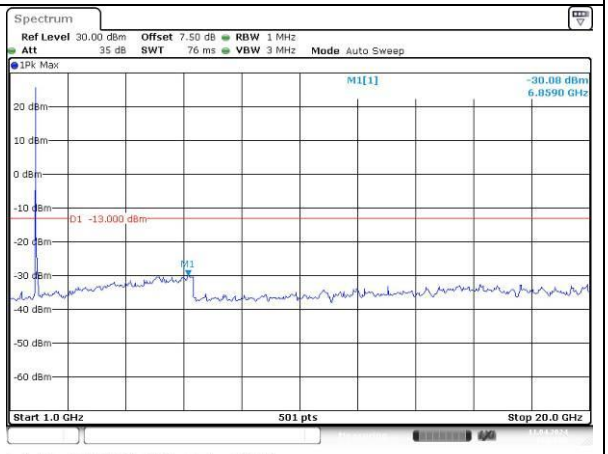
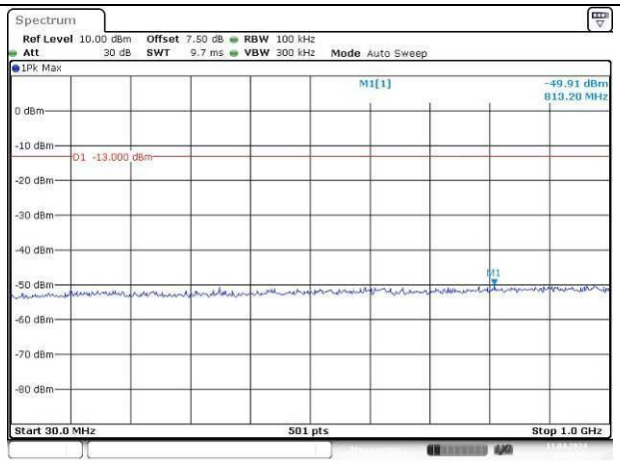
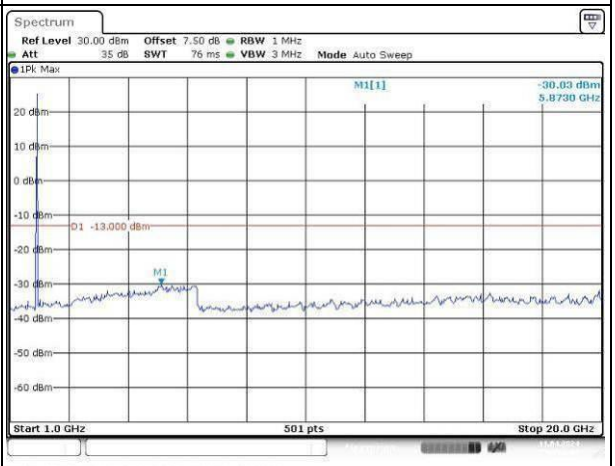
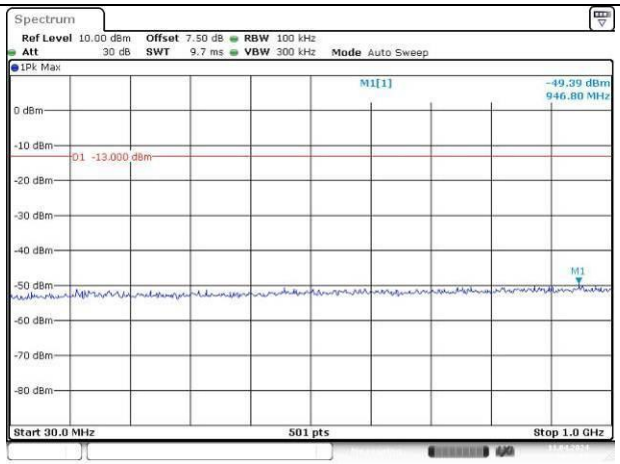
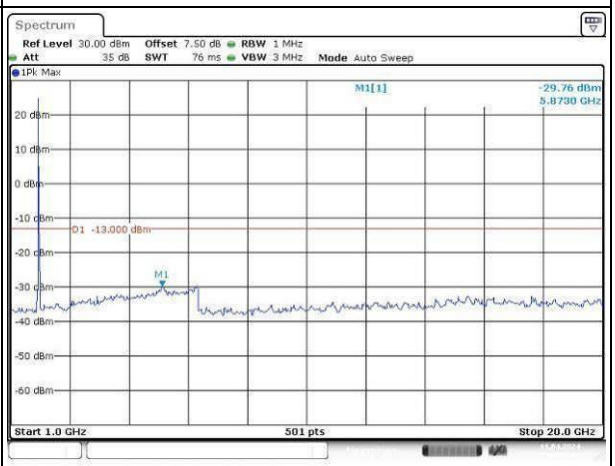
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 20MHz Bandwidth QPSK | 20MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

| 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 |  |  |