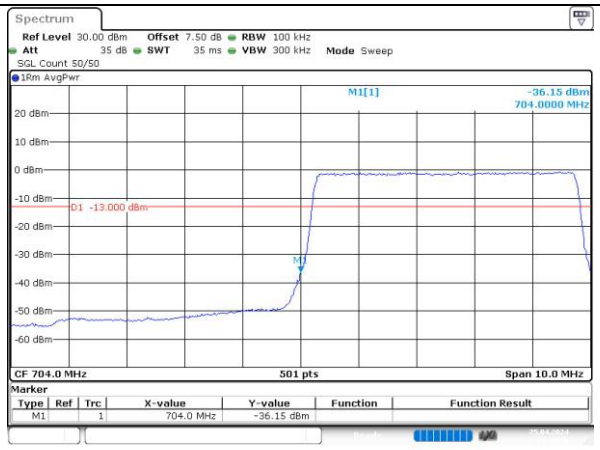
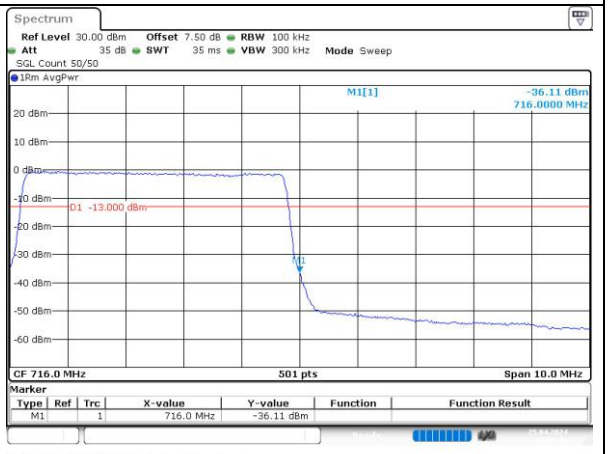
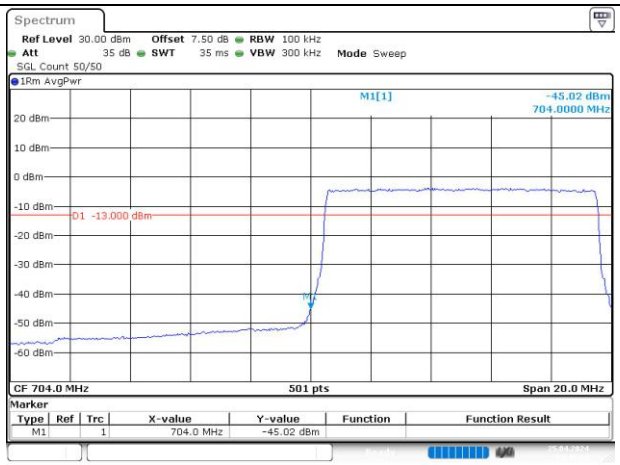
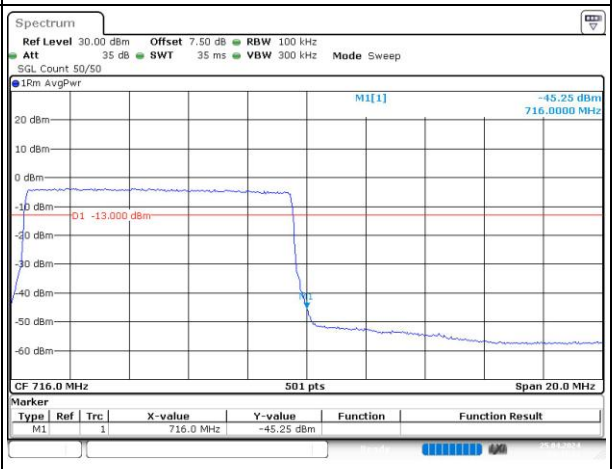
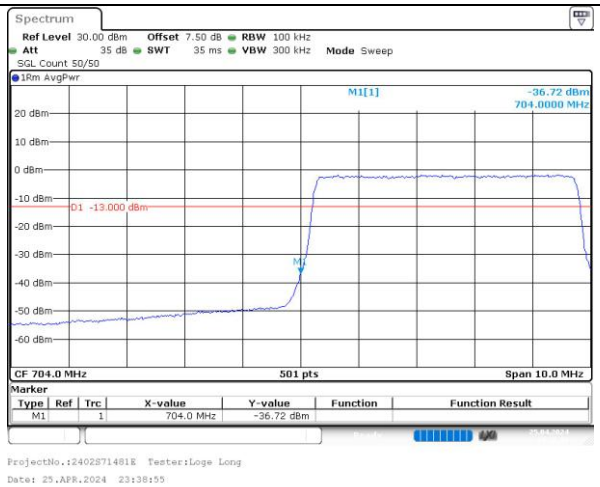
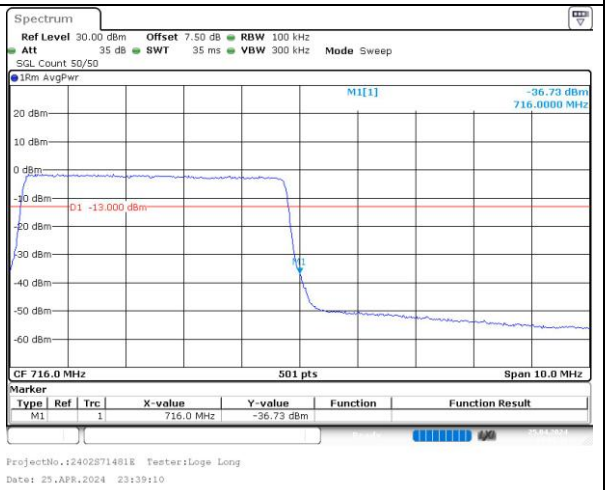
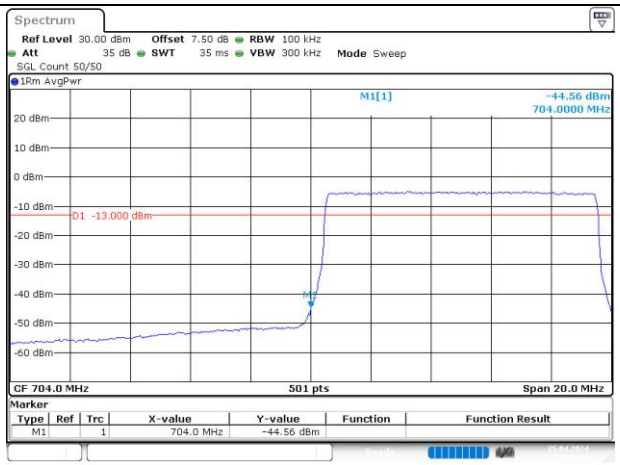
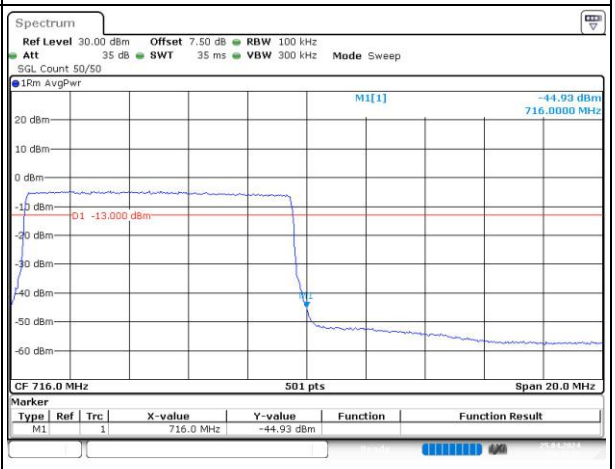
| Out of band emission, Band Edge | | |
|---|---|---|
| **Mode** | **Lowest-Full RB** | **Highest-Full RB** |
| QPSK 5MHz |  |  |
| QPSK 10MHz |  |  |

| Out of band emission, Band Edge | | |
|---|---|---|
| **Mode** | **Lowest-Full RB** | **Highest-Full RB** |
| 16QAM 5MHz |  |  |
| 16QAM 10MHz |  |  |

## 5.13 Antenna Port Test Data and Results for LTE Band 38

| Serial Number: | OSEB119574-2 | Test Date: | 2024/4/25~2024/4/26 |
|---|---|---|---|
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | Karl Liang,Loge Long | Test Result: | **Pass** |

| **Environmental Conditions:** | | | | | |
|---|---|---|---|---|---|
| Temperature: (℃) | 25.5~25.6 | Relative Humidity: (%) | 66~70 | ATM Pressure: (kPa) | 100.6~100.9 |

**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 | UFB205A | 323308-024 | 2024/1/2 | 2025/1/1 |
| Eastsheep | Coaxial Attenuator | 5W-N-JK-6G-10dB | F-08-EM502 | 2023/9/10 | 2024/9/9 |
| 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) |
|---|---|---|---|
| 5MHz | 2572.5 | 2595 | 2617.5 |
| 10MHz | 2575 | 2595 | 2615 |
| 15MHz | 2577.5 | 2595 | 2612.5 |
| 20MHz | 2580 | 2595 | 2610 |

**Test Data:**

**FCC §2.1046; § 27.50(h)(2)**

**RF Output Power:**

| Test Bandwidth & Modulation | Resource Block & RB offset | Conducted Average Output Power(dBm) | | | Maximum EIRP (dBm) | EIRP Limit (dBm) |
|---|---|---|---|---|---|---|
| | | Lowest Channel | Middle Channel | Highest Channel | | |
| 5MHz QPSK | RB1#0 | 14.86 | 14.83 | 14.95 | 11.95 | 33 |
| | RB1#13 | 14.89 | 14.85 | 14.95 | | |
| | RB1#24 | 14.84 | 14.92 | 14.94 | | |
| | RB15#0 | 13.85 | 13.78 | 13.87 | | |
| | RB15#10 | 13.81 | 13.82 | 13.87 | | |
| | RB25#0 | 13.8 | 13.82 | 13.91 | | |
| 5MHz 16QAM | RB1#0 | 13.87 | 13.91 | 14.15 | 11.19 | 33 |
| | RB1#13 | 13.9 | 13.93 | 14.19 | | |
| | RB1#24 | 13.87 | 13.93 | 14.19 | | |
| | RB15#0 | 12.83 | 12.83 | 12.97 | | |
| | RB15#10 | 12.79 | 12.9 | 12.96 | | |
| | RB25#0 | 12.9 | 12.86 | 12.94 | | |
| 10MHz QPSK | RB1#0 | 14.88 | 14.9 | 14.98 | 12.04 | 33 |
| | RB1#25 | 14.89 | 14.95 | 15.04 | | |
| | RB1#49 | 14.82 | 14.93 | 15 | | |
| | RB25#0 | 13.85 | 13.8 | 13.88 | | |
| | RB25#25 | 13.8 | 13.82 | 13.91 | | |
| | RB50#0 | 13.85 | 13.82 | 13.92 | | |
| 10MHz 16QAM | RB1#0 | 14.06 | 13.83 | 14.01 | 11.06 | 33 |
| | RB1#25 | 14.12 | 13.8 | 14.06 | | |
| | RB1#49 | 14.01 | 13.84 | 14.06 | | |
| | RB25#0 | 12.87 | 12.92 | 12.93 | | |
| | RB25#25 | 12.88 | 12.9 | 12.98 | | |
| | RB50#0 | 12.87 | 12.81 | 12.96 | | |
| 15MHz QPSK | RB1#0 | 14.79 | 14.79 | 14.89 | 11.94 | 33 |
| | RB1#38 | 14.85 | 14.91 | 14.94 | | |
| | RB1#74 | 14.76 | 14.8 | 14.91 | | |
| | RB36#0 | 13.79 | 13.75 | 13.83 | | |
| | RB36#39 | 13.78 | 13.85 | 13.85 | | |
| | RB75#0 | 13.78 | 13.84 | 13.85 | | |
| 15MHz 16QAM | RB1#0 | 14.02 | 13.97 | 13.81 | 11.1 | 33 |
| | RB1#38 | 14.05 | 14.1 | 13.89 | | |
| | RB1#74 | 13.98 | 14 | 13.82 | | |
| | RB36#0 | 12.96 | 12.8 | 12.87 | | |
| | RB36#39 | 12.85 | 12.83 | 12.82 | | |
| | RB75#0 | 12.86 | 12.85 | 12.91 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 20MHz QPSK | RB1#0 | 14.81 | 14.7 | 14.94 | 12.07 | 33 |
| | RB1#50 | 14.85 | 14.91 | 15.07 | | |
| | RB1#99 | 14.77 | 14.78 | 14.94 | | |
| | RB50#0 | 13.85 | 13.8 | 13.85 | | |
| | RB50#50 | 13.82 | 13.86 | 13.82 | | |
| | RB100#0 | 13.81 | 13.81 | 13.82 | | |
| 20MHz 16QAM | RB1#0 | 13.86 | 13.66 | 14.03 | 11.18 | 33 |
| | RB1#50 | 13.9 | 13.86 | 14.18 | | |
| | RB1#99 | 13.84 | 13.76 | 14.12 | | |
| | RB50#0 | 12.89 | 12.91 | 12.91 | | |
| | RB50#50 | 12.84 | 12.91 | 12.87 | | |
| | RB100#0 | 12.81 | 12.82 | 12.87 | | |
| 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 | 9.77 | 10.03 | 10.14 | 13 |
| | RB100#0 | 8.61 | 8.64 | 8.67 | 13 |
| 20MHz 16QAM | RB1#0 | 10.46 | 10.81 | 10.72 | 13 |
| | RB100#0 | 10.06 | 10.09 | 10.12 | 13 |
| | | | | **Result:** | **Pass** |

**FCC §2.1049, §27.53:Occupied Bandwidth**

| Operation Mode | 99% Occupied Bandwidth (MHz) | | | 26 dB Occupied Bandwidth (MHz) | | |
|---|---|---|---|---|---|---|
| | Low Channel | Middle channel | High Channel | Low Channel | Middle Channel | High Channel |
| 5MHz QPSK | 4.511 | 4.511 | 4.511 | 5.2 | 5.02 | 5.02 |
| 5MHz 16QAM | 4.511 | 4.491 | 4.491 | 4.98 | 4.98 | 4.98 |
| 10MHz QPSK | 8.982 | 8.942 | 8.942 | 9.76 | 10 | 9.68 |
| 10MHz 16QAM | 8.942 | 8.942 | 8.942 | 9.52 | 9.56 | 9.64 |
| 15MHz QPSK | 13.473 | 13.533 | 13.473 | 16.68 | 15.3 | 15.48 |
| 15MHz 16QAM | 13.533 | 13.533 | 13.593 | 15.54 | 17.34 | 16.62 |
| 20MHz QPSK | 17.964 | 18.044 | 17.964 | 21.04 | 19.6 | 20.32 |
| 20MHz 16QAM | 17.964 | 17.964 | 18.044 | 20.08 | 21.84 | 23.12 |
| Note: The test plots please refer to the Plots of Occupied Bandwidth | | | | | | |

| FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal | |
|---|---|
| **Result:** | **Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.** |

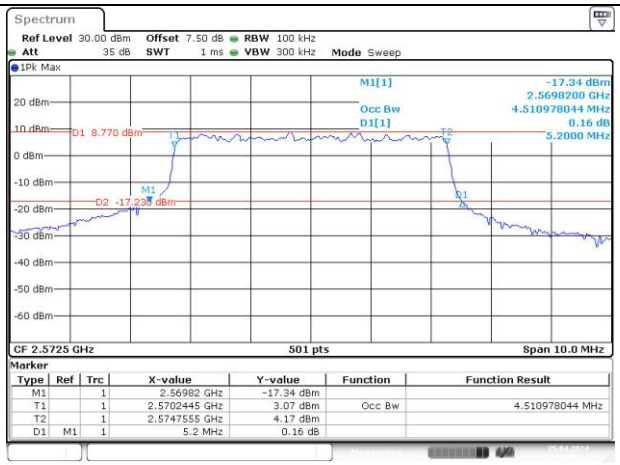
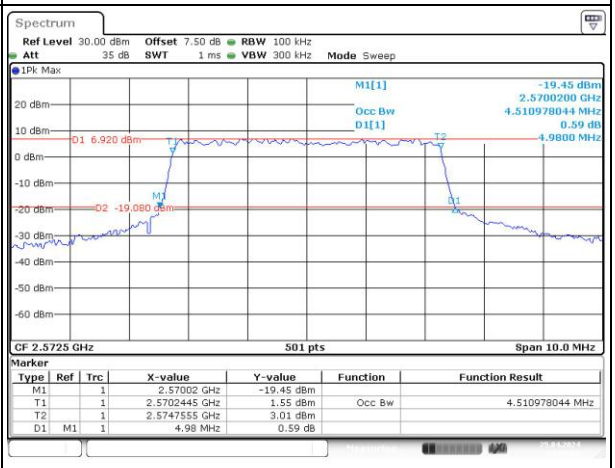
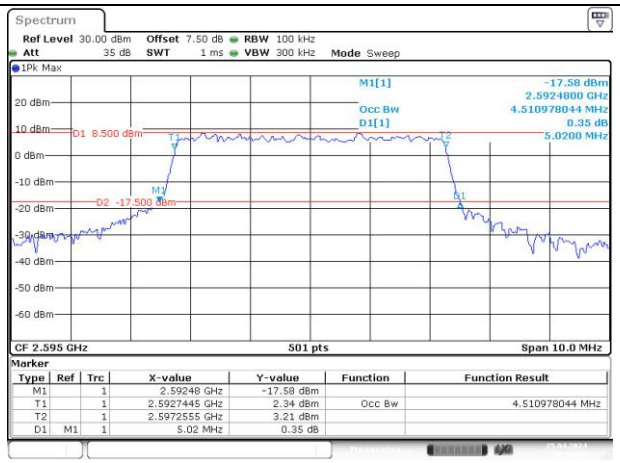
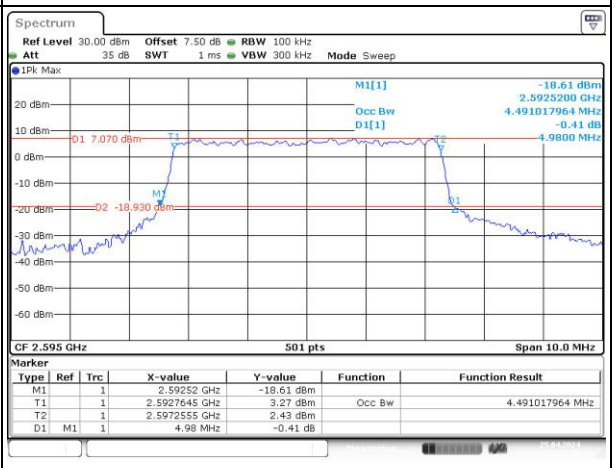
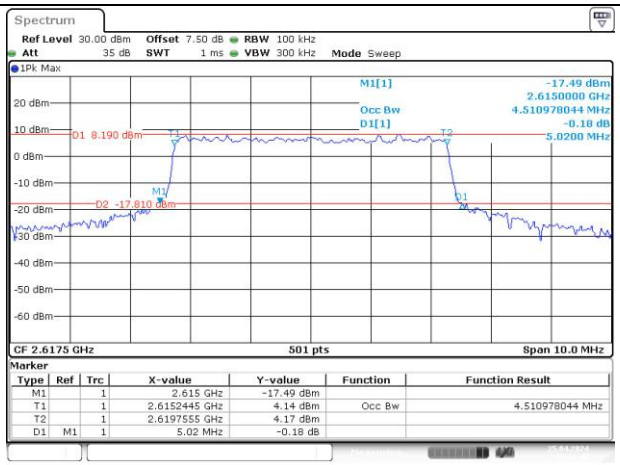
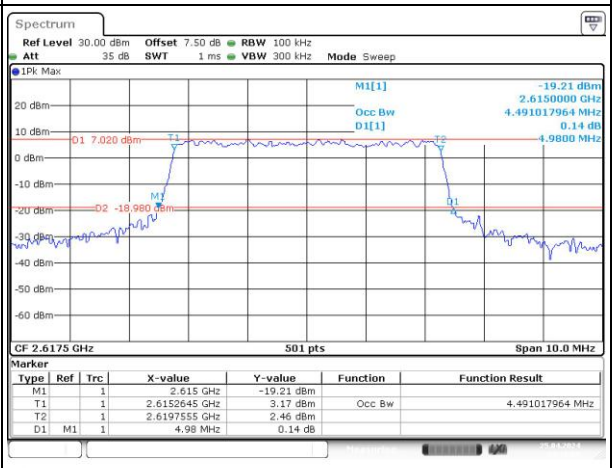
| FCC §2.1051, §27.53:Out of band emission, Band Edge | |
|---|---|
| **Result:** | **Pass, Please refer to the test plots of Out of band emission, Band Edge.** |

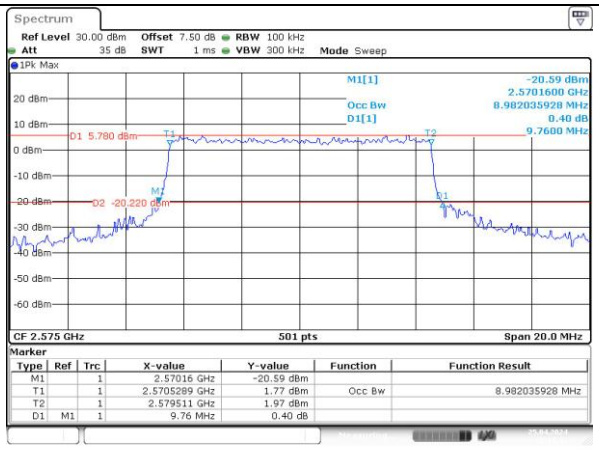
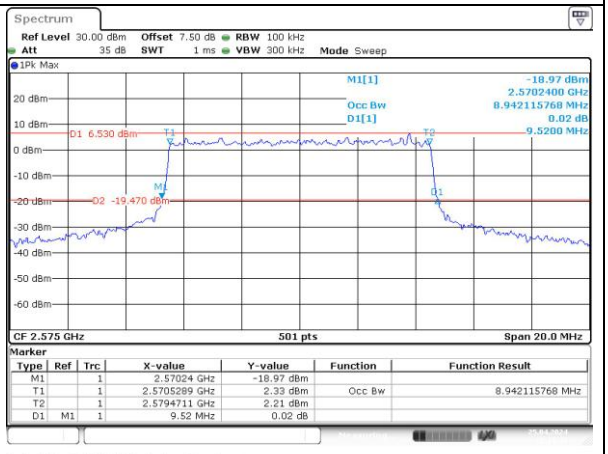
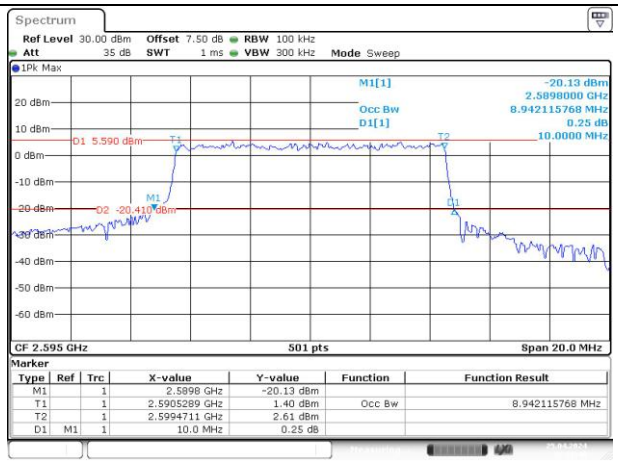
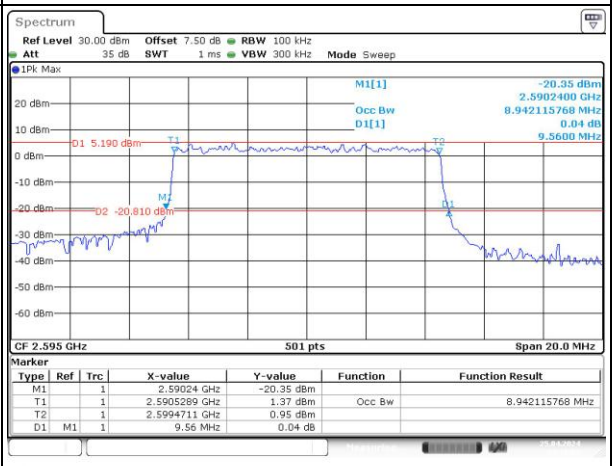
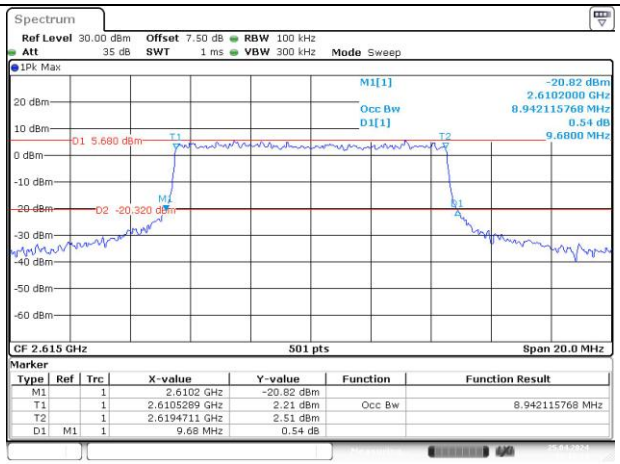
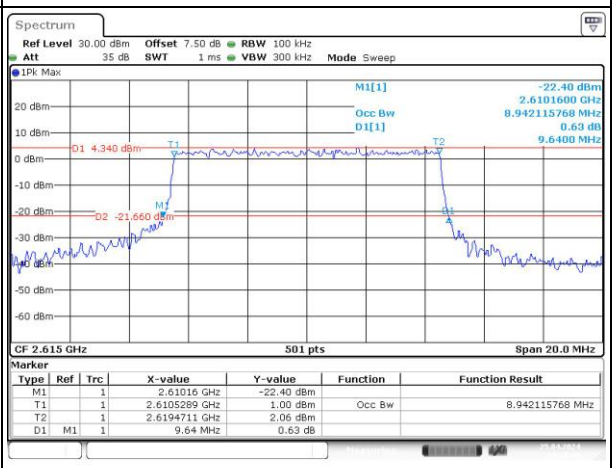
**FCC §2.1055, §27.54: Frequency Stability**

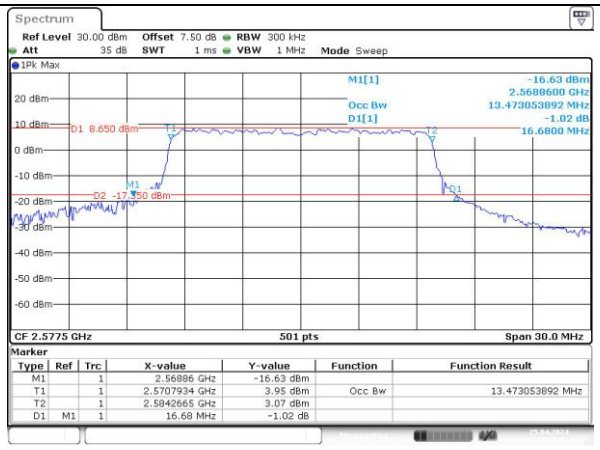
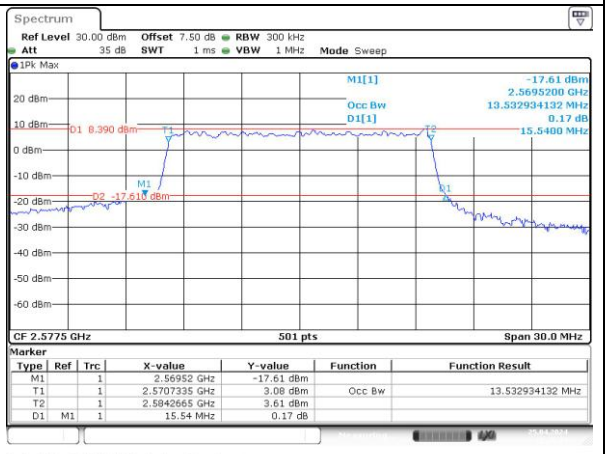
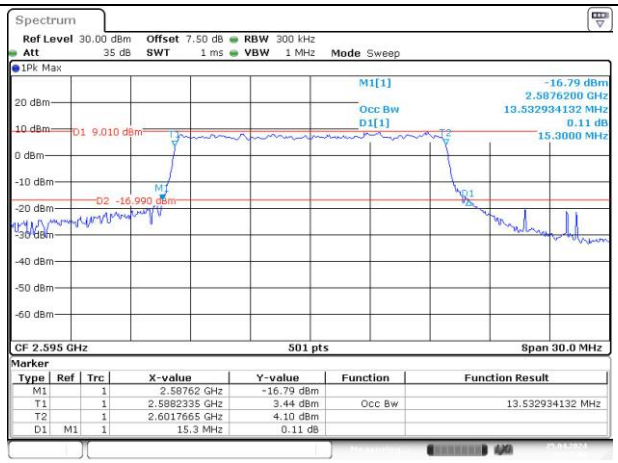
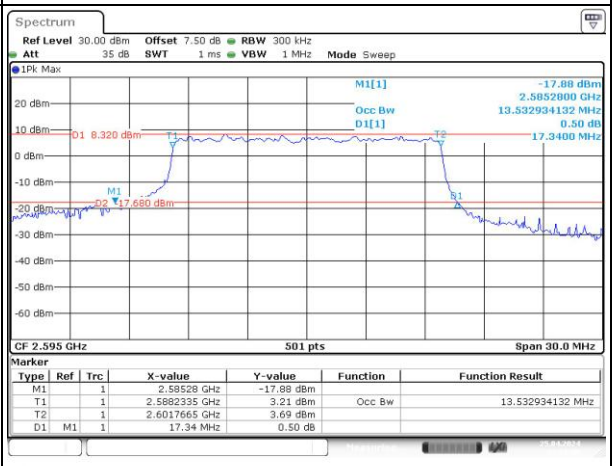
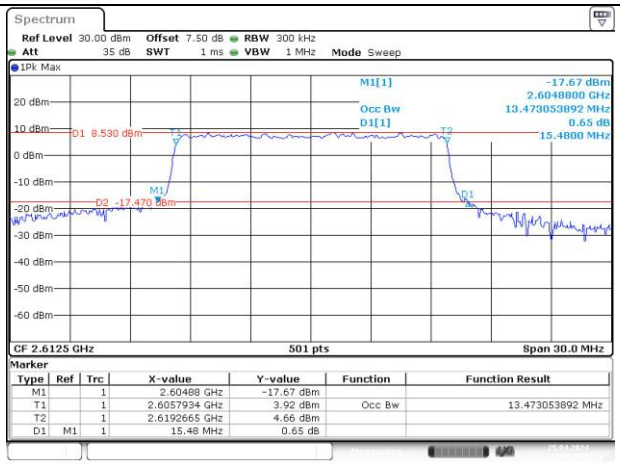
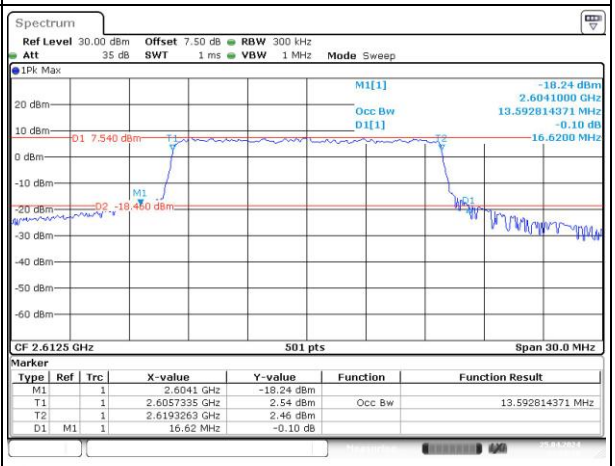
| Test Mode: | 20M QPSK | Test Channel: Lowest for Lower Edge,Highest for Upper Edge | | | | |
|---|---|---|---|---|---|---|
| Test Item | Temperature (℃) | Voltage ($V_{DC}$) | Lower Edge (MHz) | | Upper Edge (MHz) | |
| | | | Result | Limit | Result | Limit |
| Frequency Stability vs. Temperature | -30 | 3.91 | 2571.031 | 2570.00 | 2619.007 | 2620 |
| | -20 | 3.91 | 2571.043 | 2570.00 | 2619.019 | 2620 |
| | -10 | 3.91 | 2571.037 | 2570.00 | 2619.001 | 2620 |
| | 0 | 3.91 | 2571.034 | 2570.00 | 2619.016 | 2620 |
| | 10 | 3.91 | 2571.052 | 2570.00 | 2618.995 | 2620 |
| | 20 | 3.91 | 2571.058 | 2570.00 | 2619.022 | 2620 |
| | 30 | 3.91 | 2571.067 | 2570.00 | 2619.043 | 2620 |
| | 40 | 3.91 | 2571.073 | 2570.00 | 2619.046 | 2620 |
| | 50 | 3.91 | 2571.064 | 2570.00 | 2619.040 | 2620 |
| Frequency Stability vs. Voltage | 20 | 3.45 | 2571.076 | 2570.00 | 2619.028 | 2620 |
| | 20 | 4.5 | 2571.070 | 2570.00 | 2619.037 | 2620 |
| | | | | | **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 | 3.91 | 2571.028 | 2570.00 | 2619.016 | 2620 |
| | -20 | 3.91 | 2571.031 | 2570.00 | 2619.013 | 2620 |
| | -10 | 3.91 | 2571.055 | 2570.00 | 2619.010 | 2620 |
| | 0 | 3.91 | 2571.034 | 2570.00 | 2618.998 | 2620 |
| | 10 | 3.91 | 2571.031 | 2570.00 | 2619.013 | 2620 |
| | 20 | 3.91 | 2571.058 | 2570.00 | 2619.022 | 2620 |
| | 30 | 3.91 | 2571.082 | 2570.00 | 2619.031 | 2620 |
| | 40 | 3.91 | 2571.064 | 2570.00 | 2619.037 | 2620 |
| | 50 | 3.91 | 2571.082 | 2570.00 | 2619.043 | 2620 |
| Frequency Stability vs. Voltage | 20 | 3.45 | 2571.076 | 2570.00 | 2619.043 | 2620 |
| | 20 | 4.5 | 2571.082 | 2570.00 | 2619.049 | 2620 |
| | | | | | **Result:** | **Pass** |

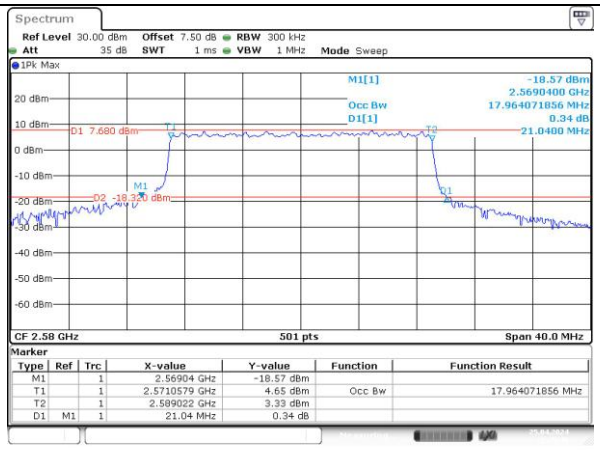
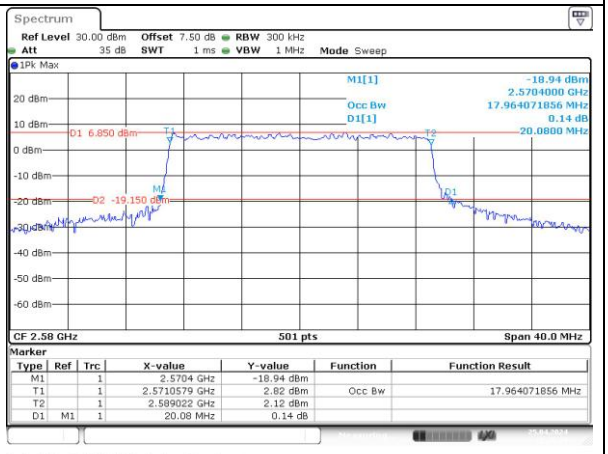
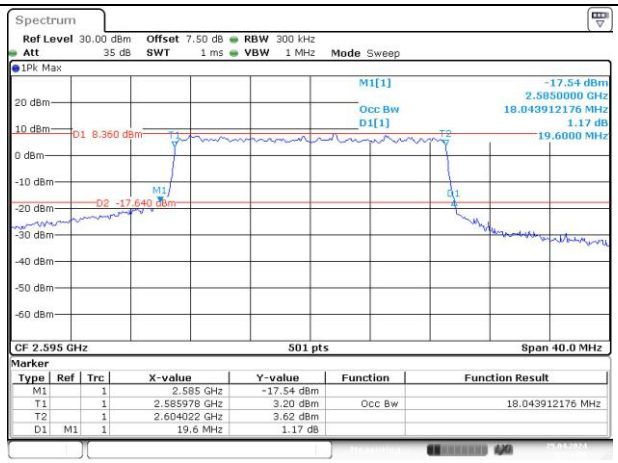
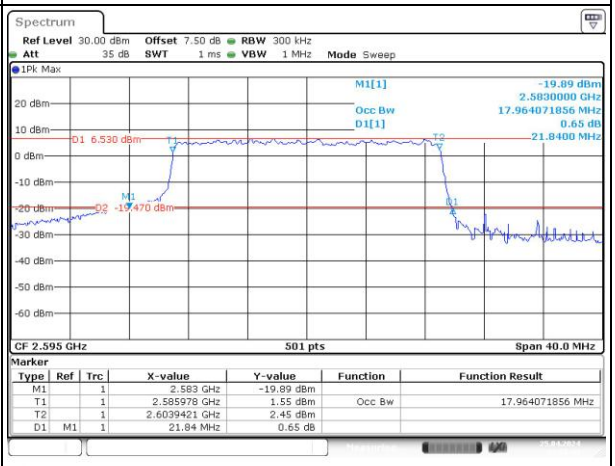
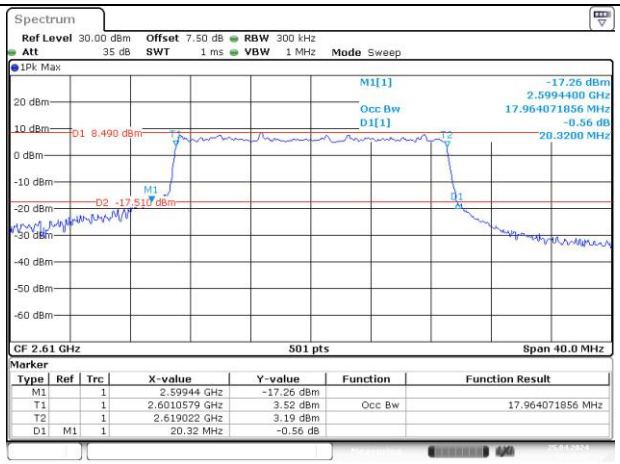
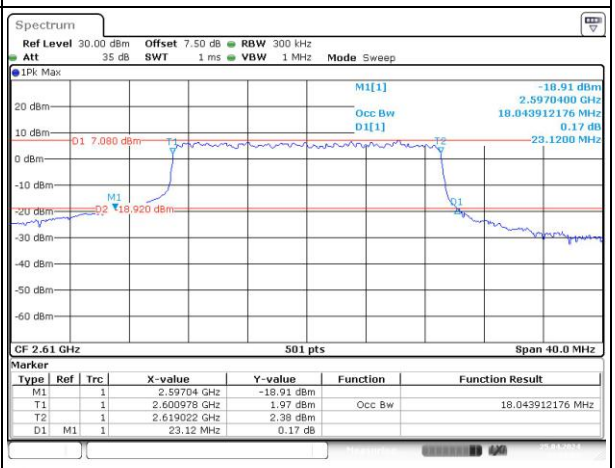
**Test Plots**:

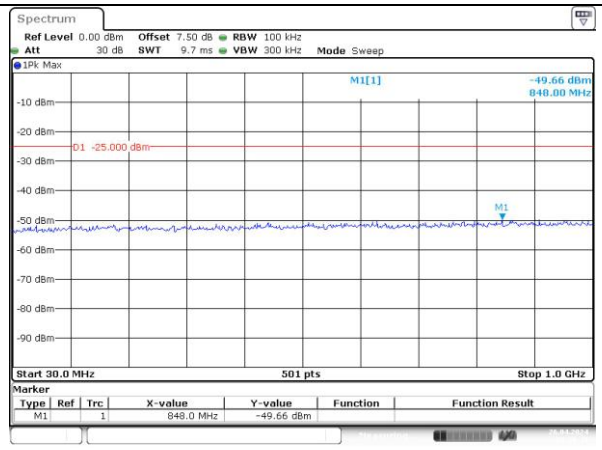
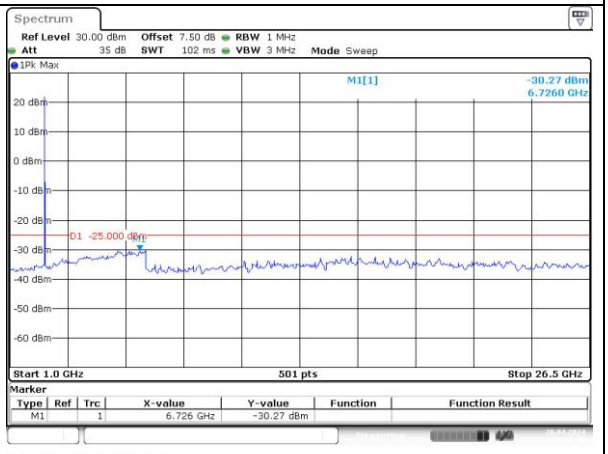
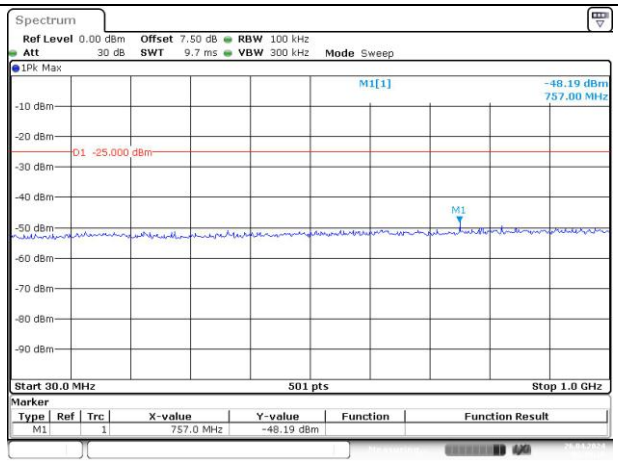
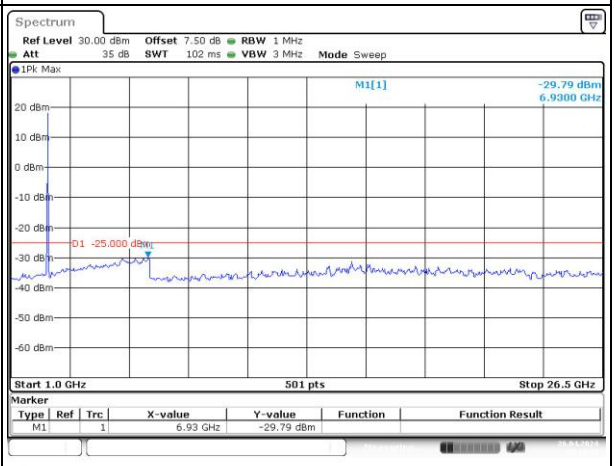
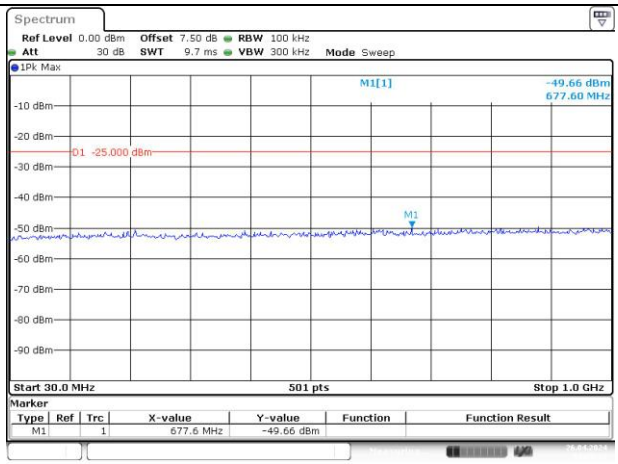
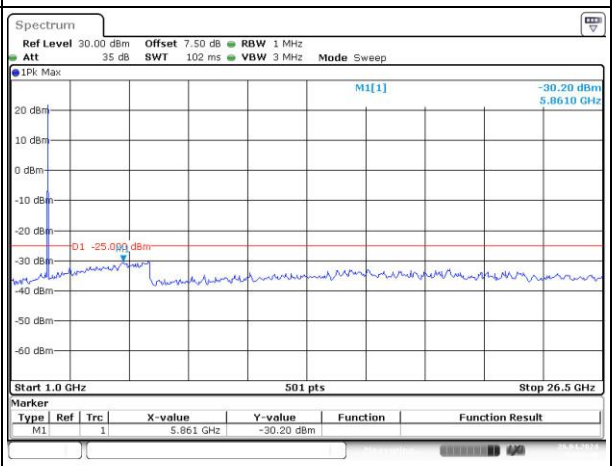
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 5MHz Bandwidth QPSK | 5MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

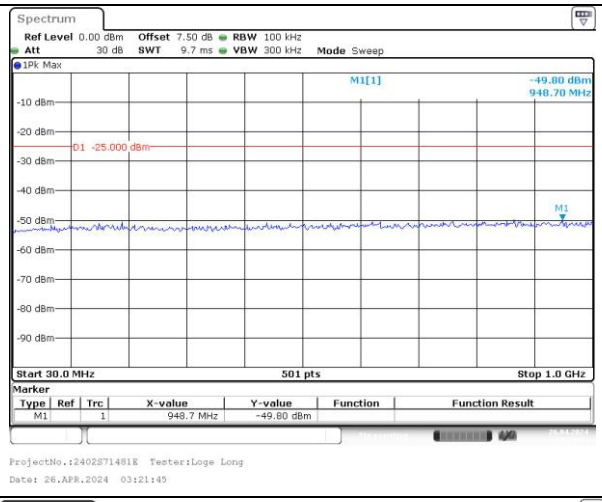
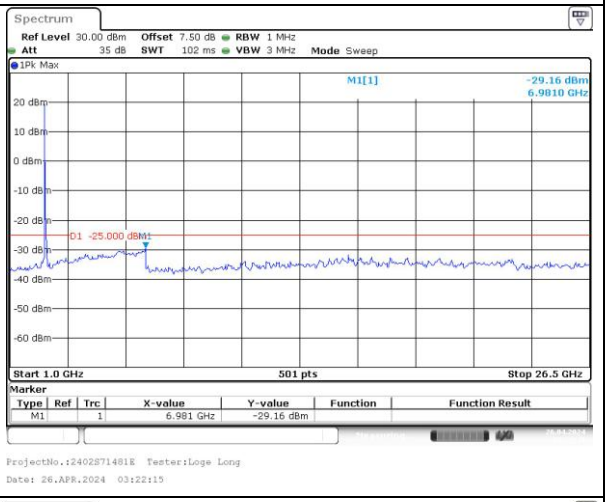
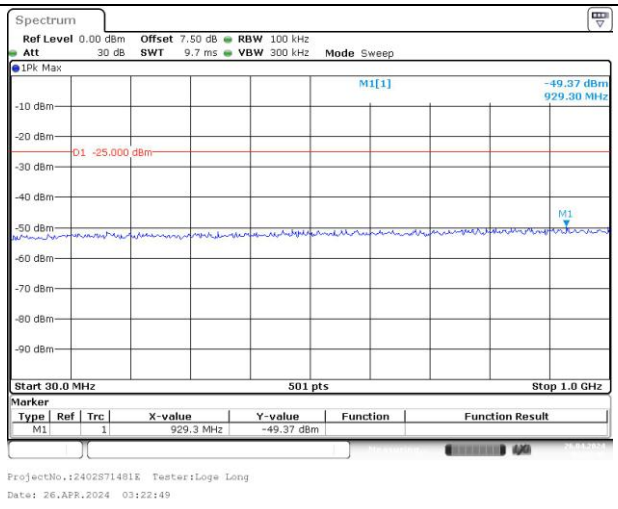
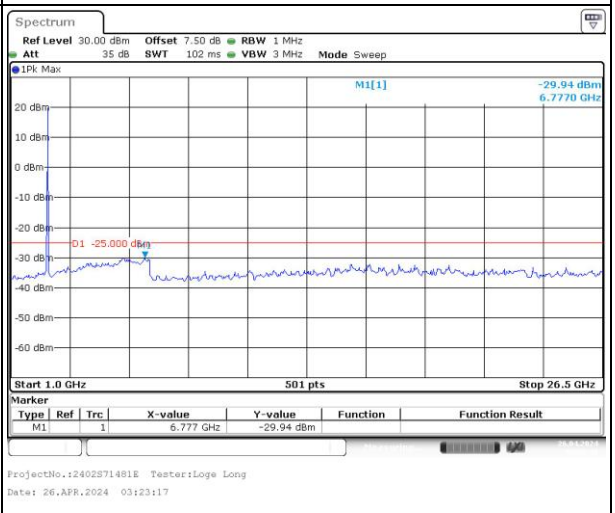
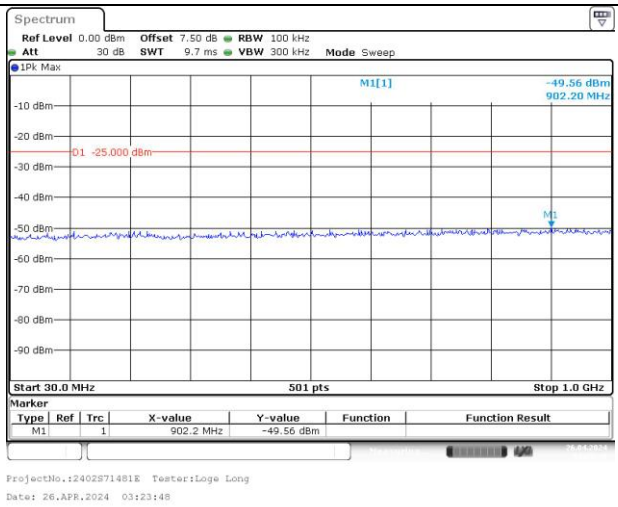
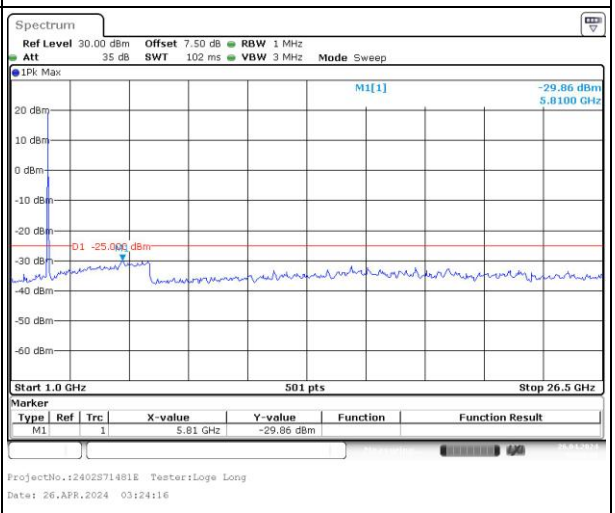
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 10MHz Bandwidth QPSK | 10MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

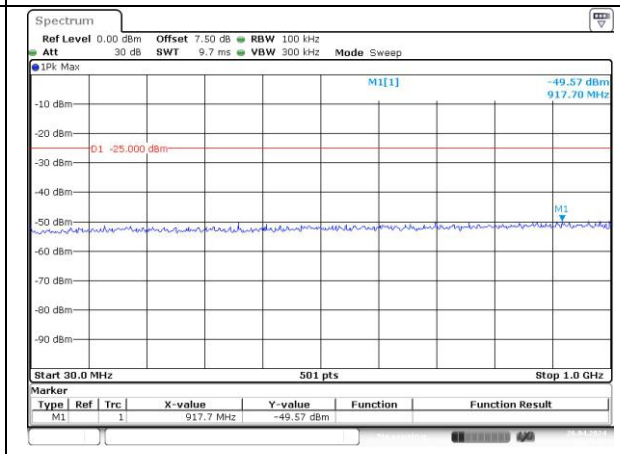
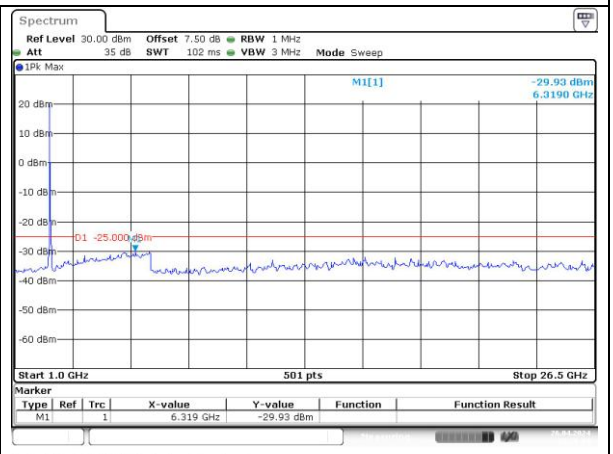
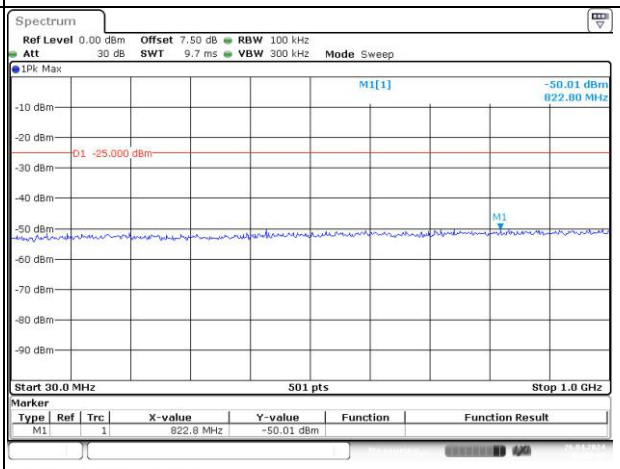
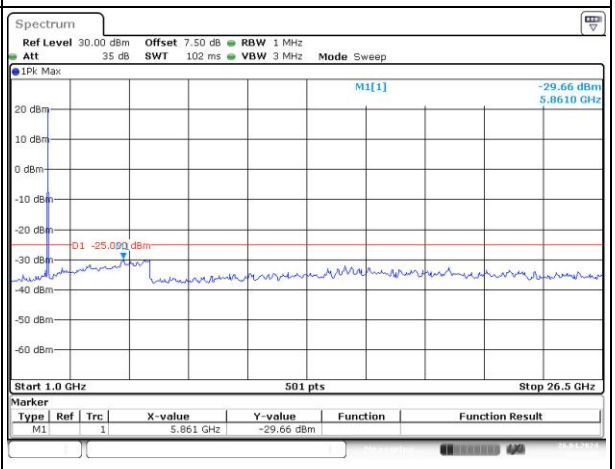
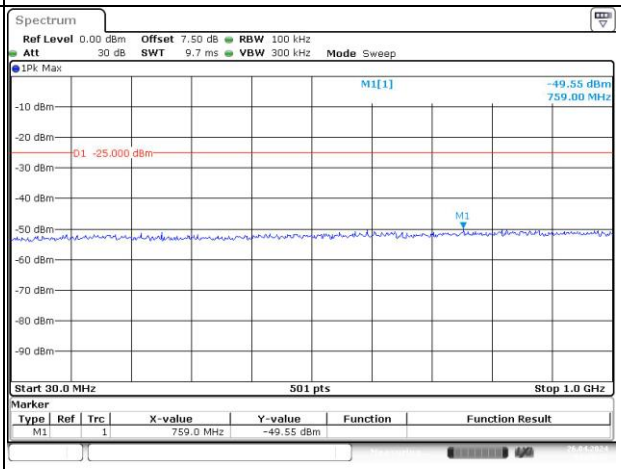
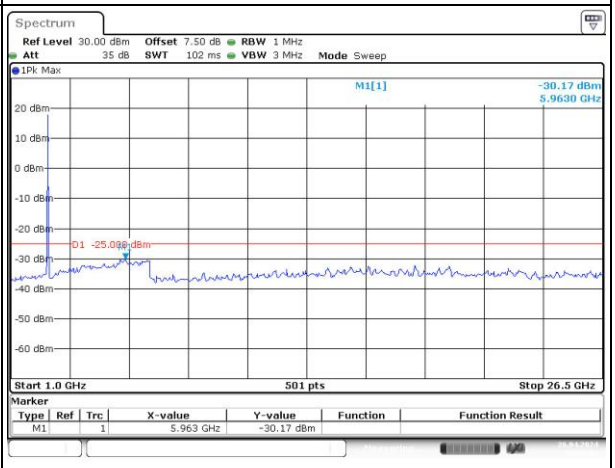
| Occupied Bandwidth | | |
|---|---|---|
| **Channel** | 15MHz Bandwidth QPSK | 15MHz Bandwidth 16QAM |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

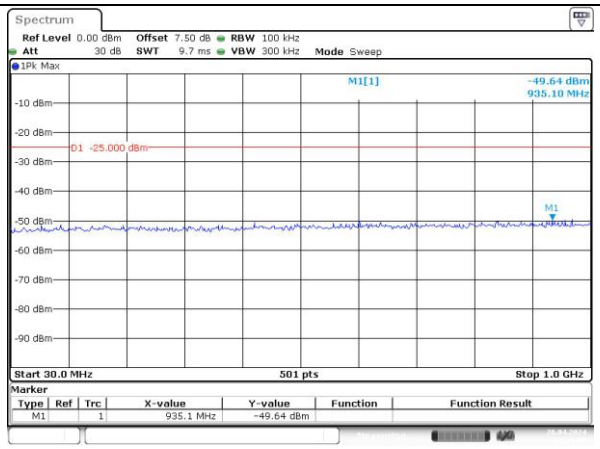
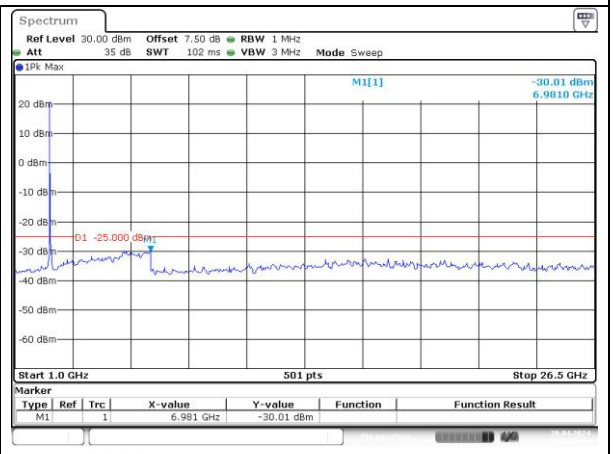
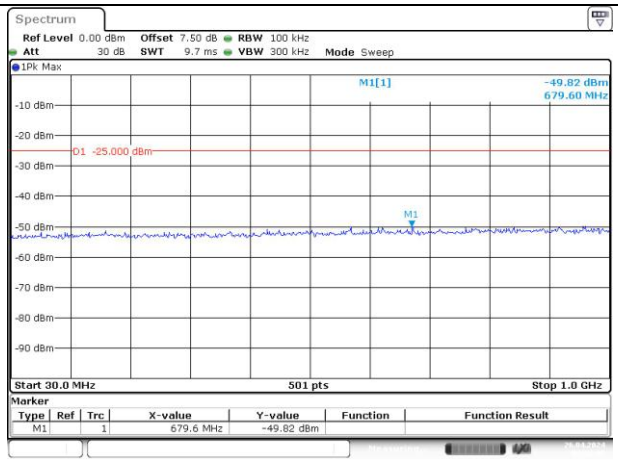
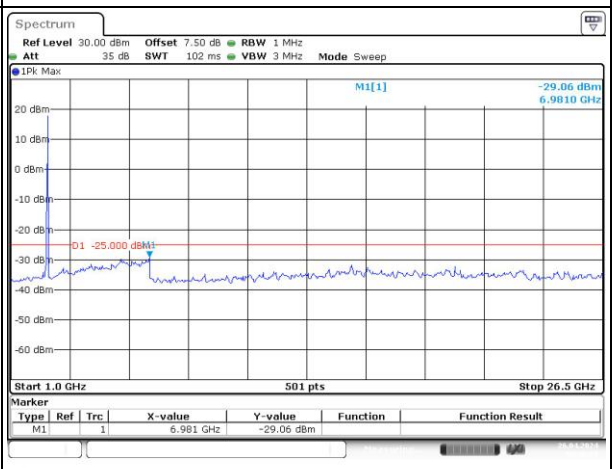
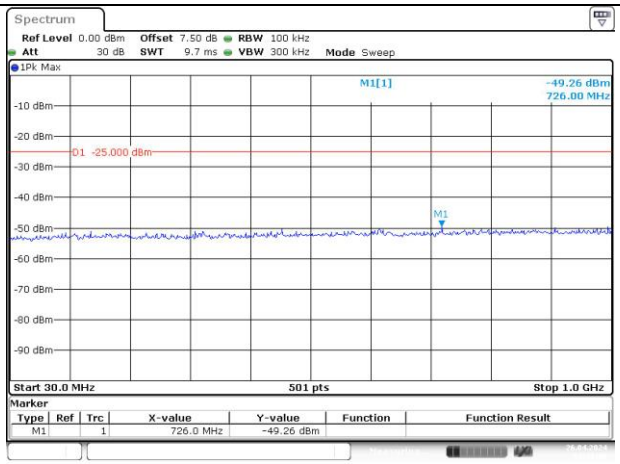
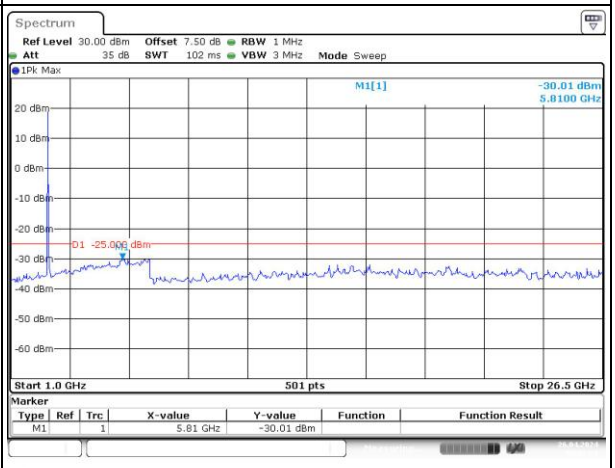
## Occupied Bandwidth

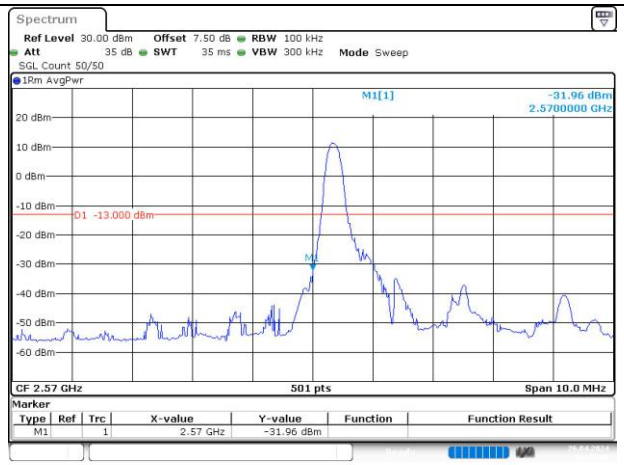
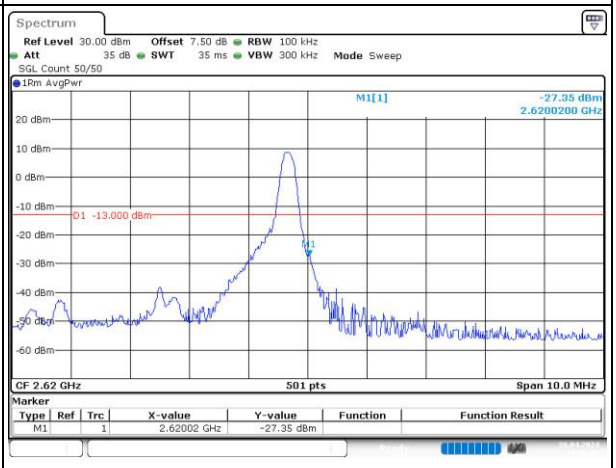
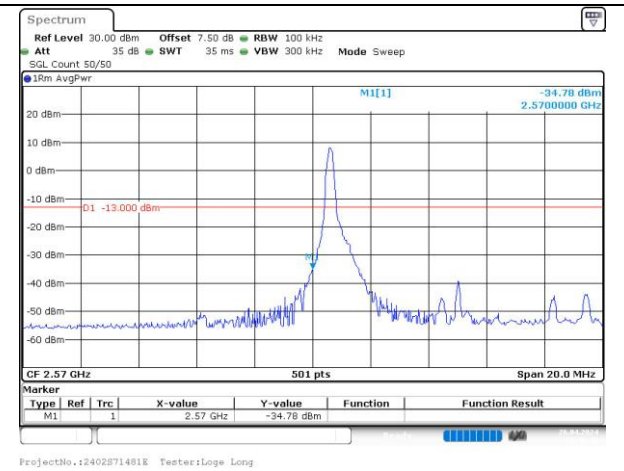
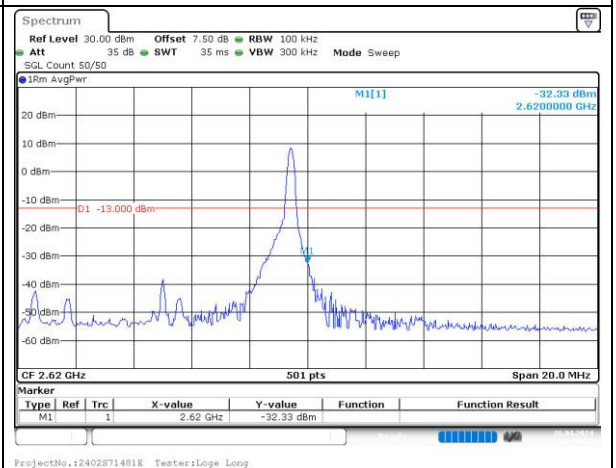
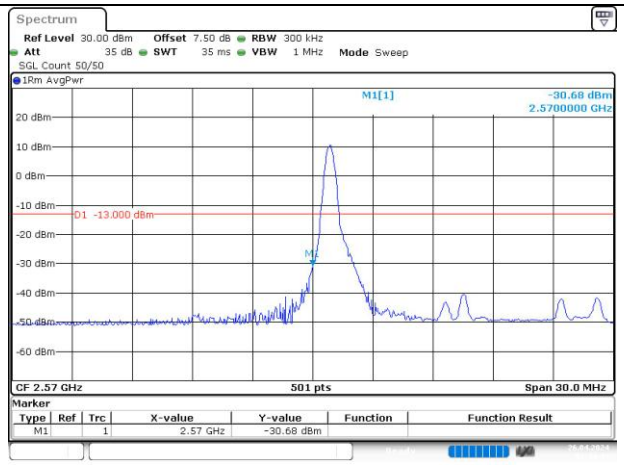
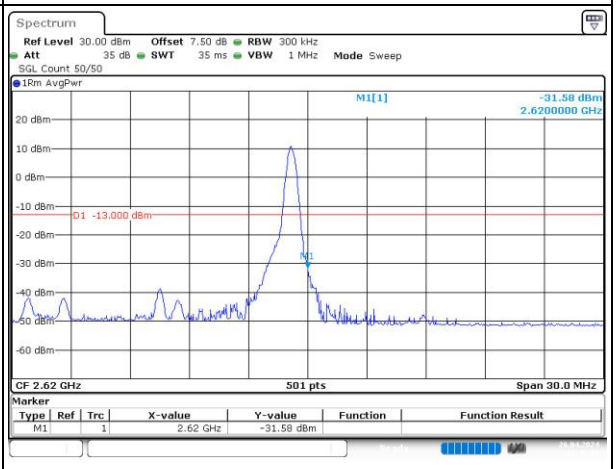
| Channel | 20MHz Bandwidth QPSK | 20MHz Bandwidth 16QAM |
|---|---|---|
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

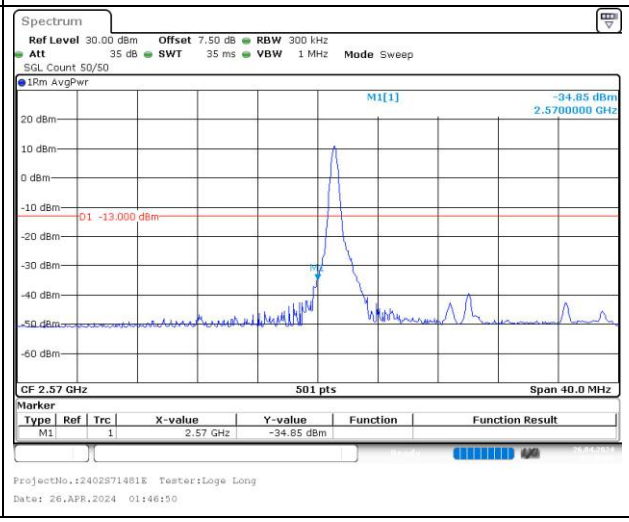
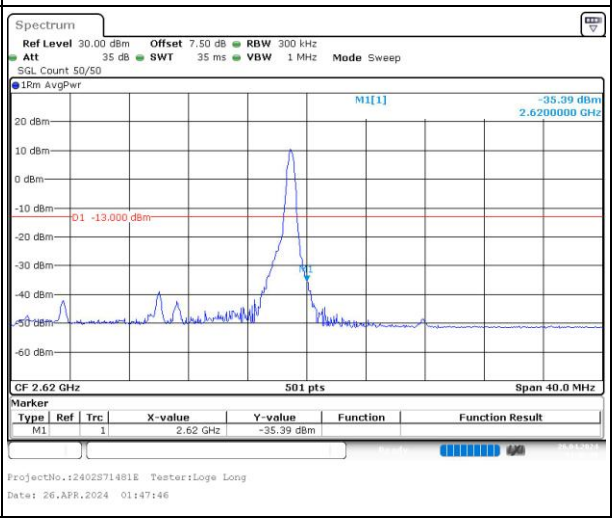
| Spurious Emissions at Antenna Terminal | | |
|---|---|---|
| **Channel** | **5MHz Bandwidth QPSK** | |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

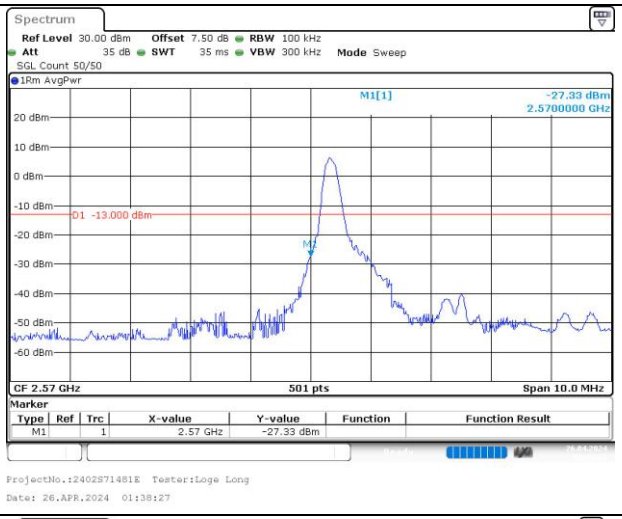
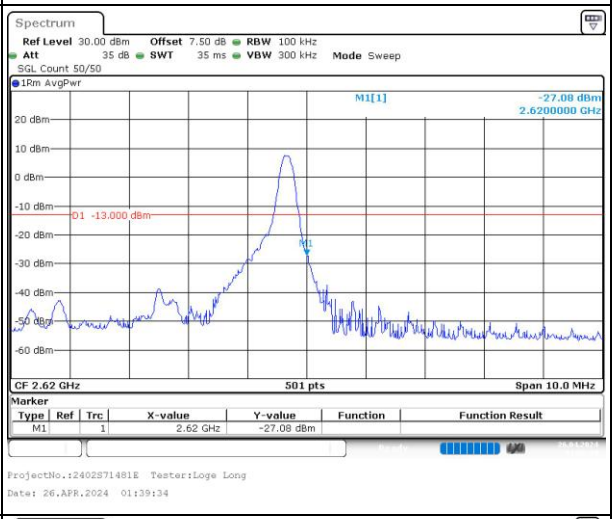
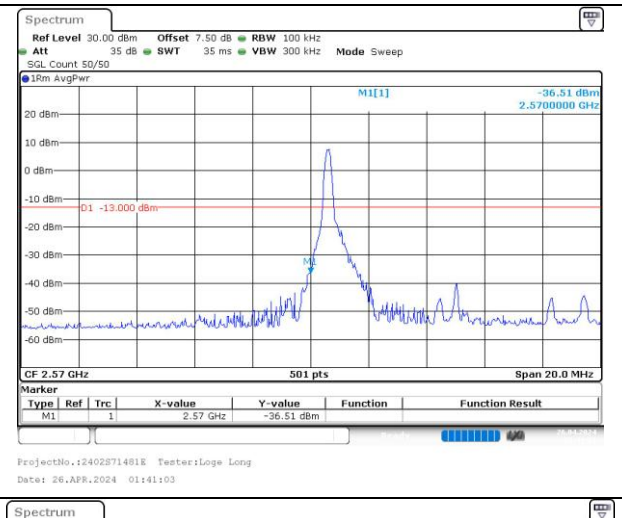
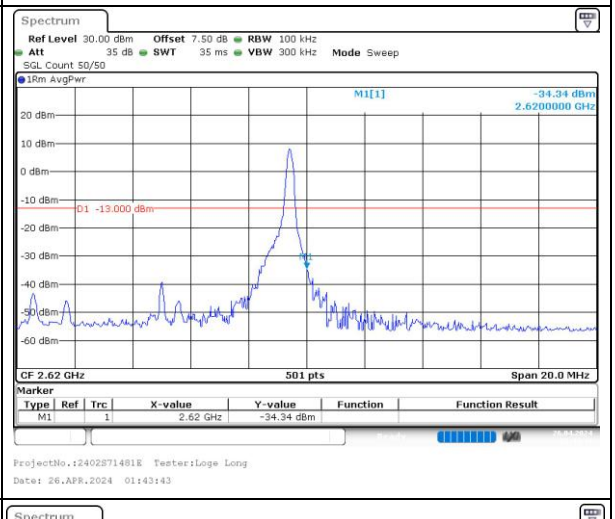
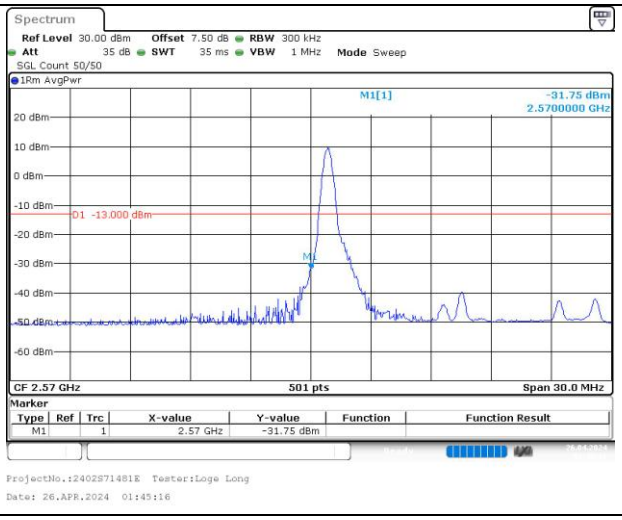
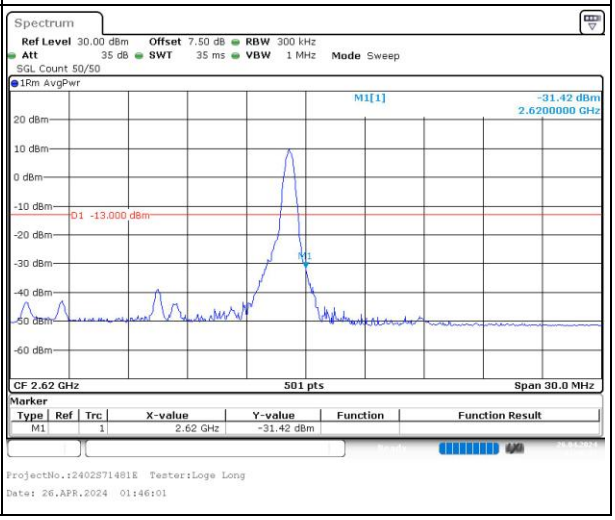
| Spurious Emissions at Antenna Terminal | | |
|---|---|---|
| **Channel** | **10MHz Bandwidth QPSK** | |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

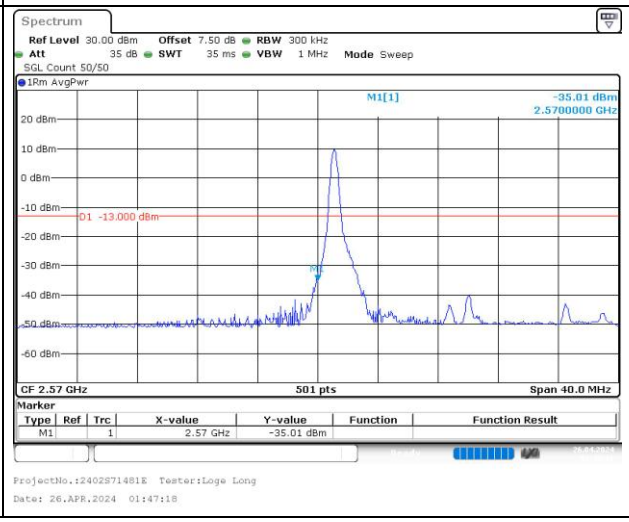
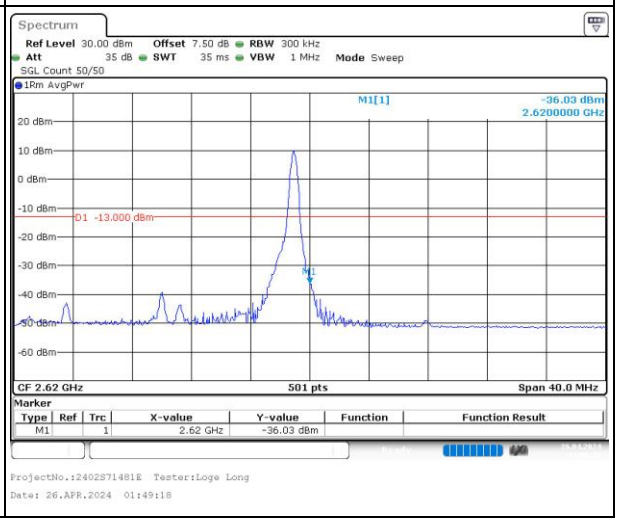
| Spurious Emissions at Antenna Terminal | | |
|---|---|---|
| **Channel** | **15MHz Bandwidth QPSK** | |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

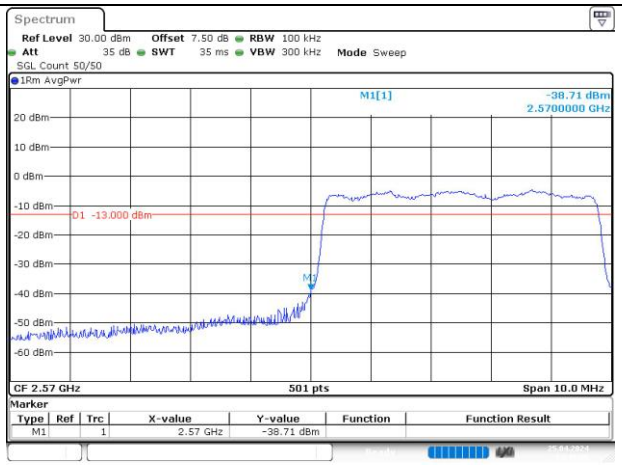
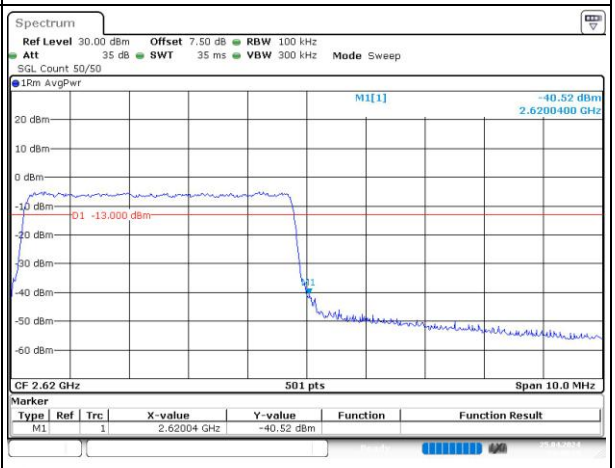
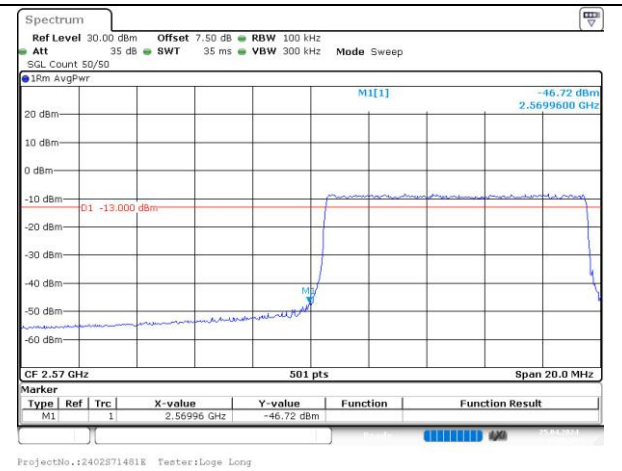
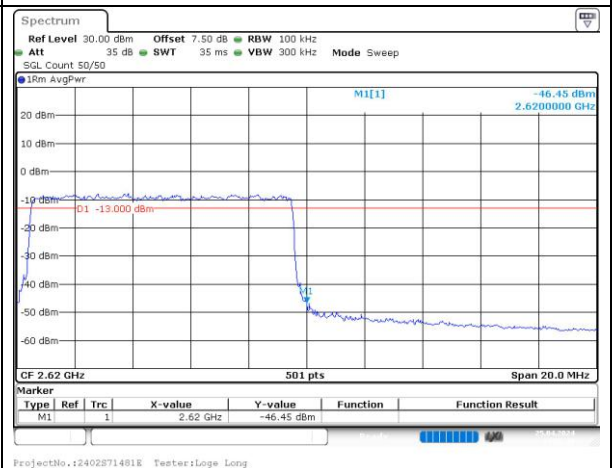
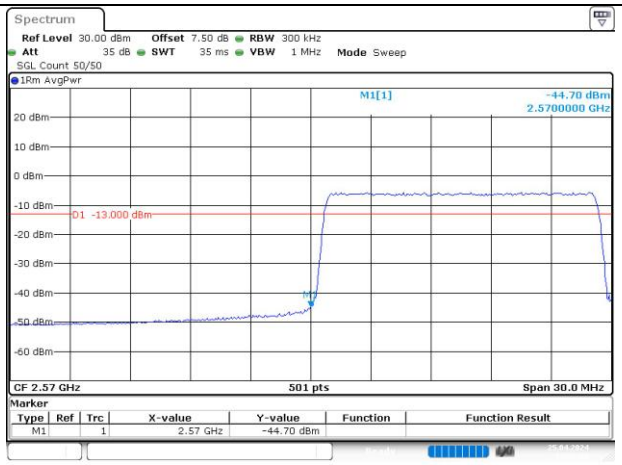
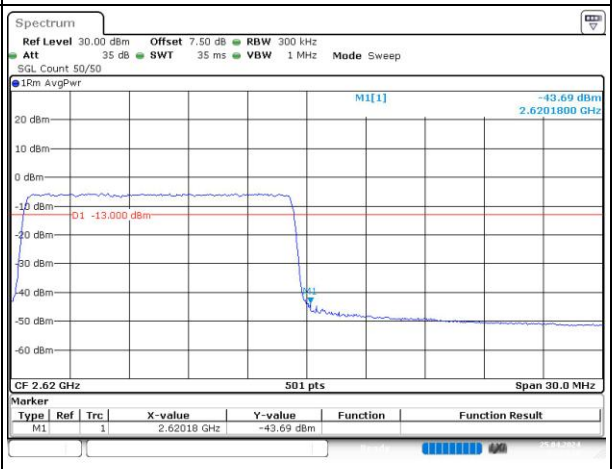
| Spurious Emissions at Antenna Terminal | | |
|---|---|---|
| **Channel** | **20MHz Bandwidth QPSK** | |
| Lowest |  |  |
| Middle |  |  |
| Highest |  |  |

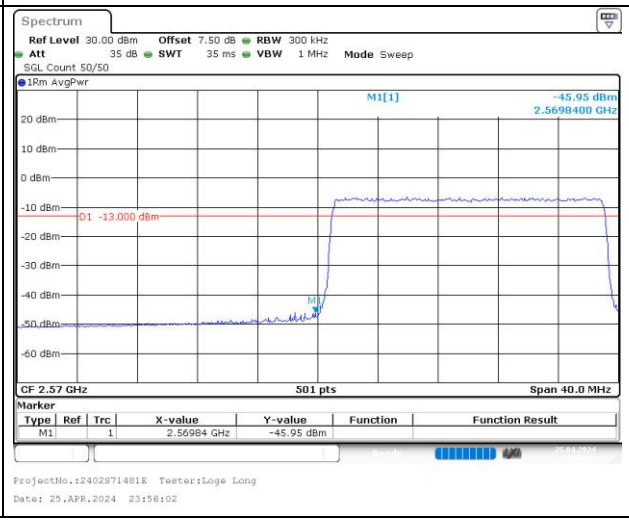
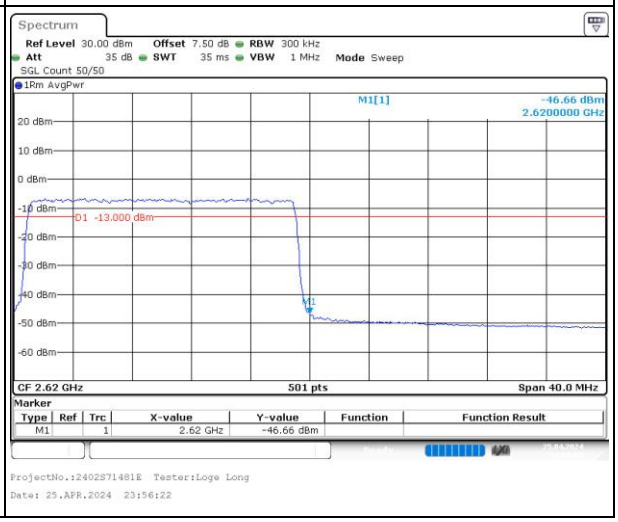
| Out of band emission, Band Edge | | |
|---|---|---|
| **Mode** | **Lowest-RB 1#0** | **Highest-RB 1#Max** |
| QPSK 5MHz |  |  |
| QPSK 10MHz |  |  |
| QPSK 15MHz |  |  |

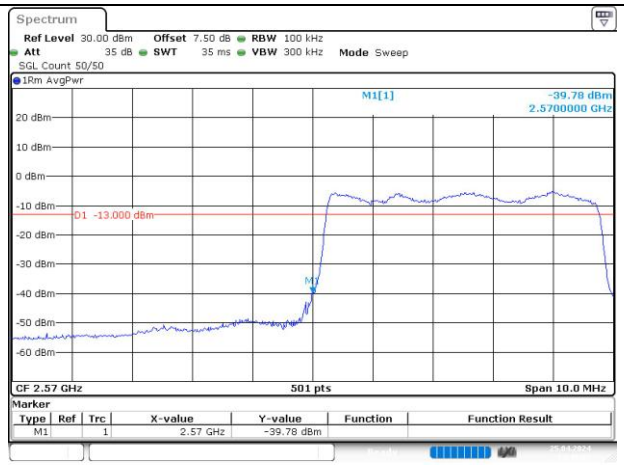
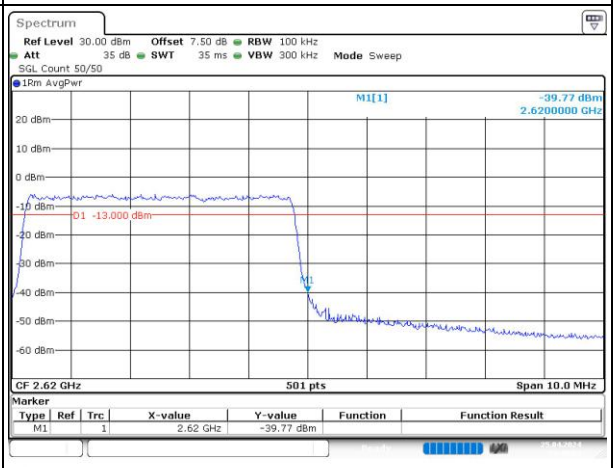
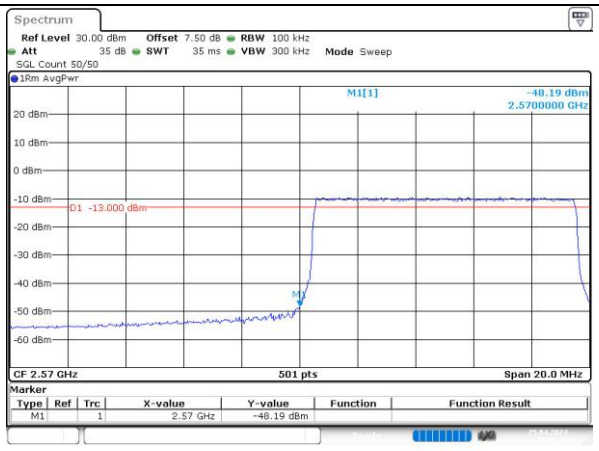
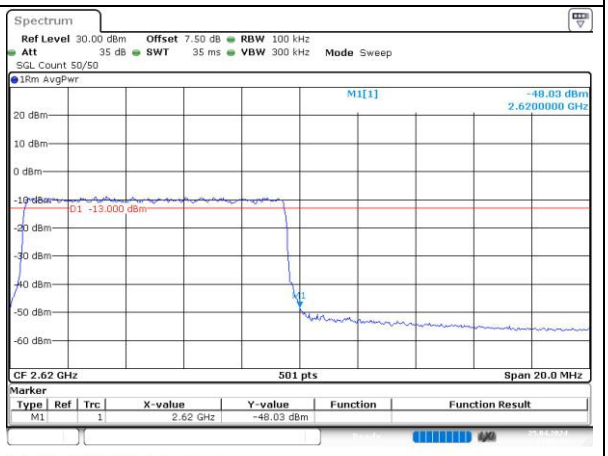
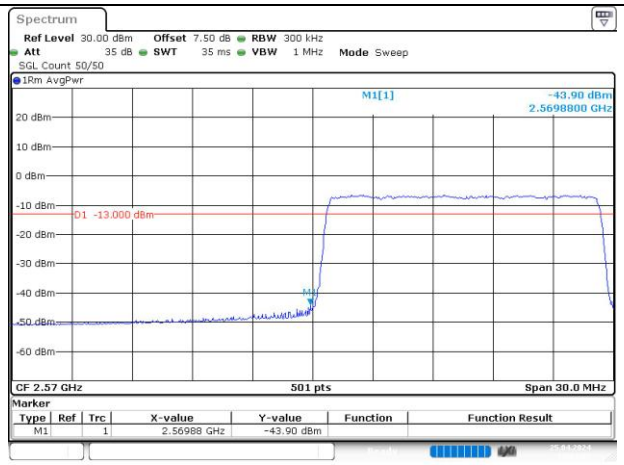
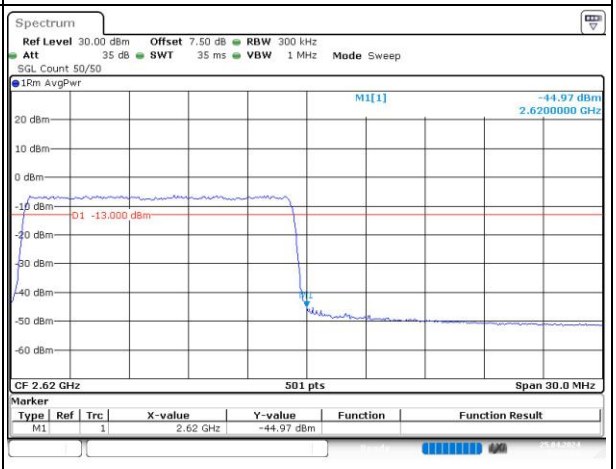
| Out of band emission, Band Edge | | |
|---|---|---|
| **Mode** | **Lowest-RB 1#0** | **Highest-RB 1#Max** |
| QPSK 20MHz |  |  |

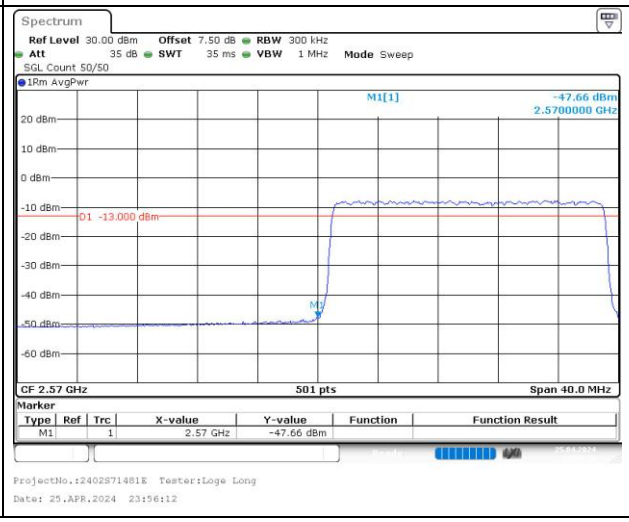
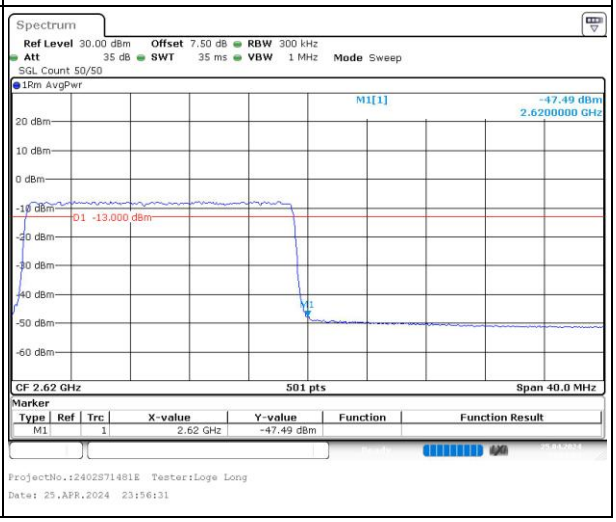
| Out of band emission, Band Edge | | |
|---|---|---|
| **Mode** | **Lowest-RB 1#0** | **Highest-RB 1#Max** |
| 16QAM 5MHz |  |  |
| 16QAM 10MHz |  |  |
| 16QAM 15MHz |  |  |

| Out of band emission, Band Edge | | |
|---|---|---|
| **Mode** | **Lowest-RB 1#0** | **Highest-RB 1#Max** |
| 16QAM 20MHz |  |  |

| Out of band emission, Band Edge | | |
|---|---|---|
| **Mode** | **Lowest-Full RB** | **Highest-Full RB** |
| QPSK 5MHz |  |  |
| QPSK 10MHz |  |  |
| QPSK 15MHz |  |  |

| Out of band emission, Band Edge | | |
|---|---|---|
| **Mode** | **Lowest-Full RB** | **Highest-Full RB** |
| QPSK 20MHz |  |  |

| Out of band emission, Band Edge | | |
|---|---|---|
| **Mode** | **Lowest-Full RB** | **Highest-Full RB** |
| 16QAM 5MHz |  |  |
| 16QAM 10MHz |  |  |
| 16QAM 15MHz |  |  |

| Out of band emission, Band Edge | | |
|---|---|---|
| **Mode** | **Lowest-Full RB** | **Highest-Full RB** |
| 16QAM 20MHz |  |  |

## 5.14 Antenna Port Test Data and Results for LTE Band 41

| Serial Number: | OSEB119574-2 | Test Date: | 2024/5/31 |
|---|---|---|---|
| Test Site: | RF | Test Mode: | Transmitting |
| Tester: | Karl Liang | Test Result: | **Pass** |

| **Environmental Conditions:** | | | | | |
|---|---|---|---|---|---|
| Temperature: (℃) | 25.5 | Relative Humidity: (%) | 66 | ATM Pressure: (kPa) | 100.1 |

**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 | UFB205A | 323308-024 | 2024/1/2 | 2025/1/1 |
| Eastsheep | Coaxial Attenuator | 5W-N-JK-6G-10dB | F-08-EM502 | 2023/9/10 | 2024/9/9 |
| 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) |
|---|---|---|---|
| 5MHz | 2498.5 | 2593 | 2687.5 |
| 10MHz | 2501 | 2593 | 2685 |
| 15MHz | 2503.5 | 2593 | 2682.5 |
| 20MHz | 2506 | 2593 | 2680 |

**Test Data:**

**FCC §2.1046; § 27.50(h)(2)**

**RF Output Power:**

| Test Bandwidth & Modulation | Resource Block & RB offset | Conducted Average Output Power(dBm) | | | Maximum EIRP (dBm) | EIRP Limit (dBm) |
|---|---|---|---|---|---|---|
| | | Lowest Channel | Middle Channel | Highest Channel | | |
| 5MHz QPSK | RB1#0 | 14.37 | 14.38 | 14.35 | 11.39 | 33 |
| | RB1#13 | 14.36 | 14.33 | 14.3 | | |
| | RB1#24 | 14.39 | 14.38 | 14.35 | | |
| | RB15#0 | 13.35 | 13.35 | 13.35 | | |
| | RB15#10 | 13.31 | 13.27 | 13.3 | | |
| | RB25#0 | 13.32 | 13.29 | 13.34 | | |
| 5MHz 16QAM | RB1#0 | 13.58 | 13.36 | 13.39 | 10.64 | 33 |
| | RB1#13 | 13.57 | 13.35 | 13.37 | | |
| | RB1#24 | 13.64 | 13.33 | 13.37 | | |
| | RB15#0 | 12.41 | 12.35 | 12.39 | | |
| | RB15#10 | 12.41 | 12.24 | 12.37 | | |
| | RB25#0 | 12.35 | 12.39 | 12.41 | | |
| 10MHz QPSK | RB1#0 | 14.32 | 14.41 | 14.33 | 11.46 | 33 |
| | RB1#25 | 14.43 | 14.46 | 14.35 | | |
| | RB1#49 | 14.32 | 14.38 | 14.3 | | |
| | RB25#0 | 13.21 | 13.36 | 13.25 | | |
| | RB25#25 | 13.35 | 13.37 | 13.27 | | |
| | RB50#0 | 13.33 | 13.38 | 13.32 | | |
| 10MHz 16QAM | RB1#0 | 13.5 | 13.31 | 13.39 | 10.61 | 33 |
| | RB1#25 | 13.61 | 13.31 | 13.42 | | |
| | RB1#49 | 13.55 | 13.29 | 13.33 | | |
| | RB25#0 | 12.33 | 12.44 | 12.36 | | |
| | RB25#25 | 12.38 | 12.47 | 12.34 | | |
| | RB50#0 | 12.34 | 12.42 | 12.32 | | |
| 15MHz QPSK | RB1#0 | 14.25 | 14.32 | 14.29 | 11.38 | 33 |
| | RB1#38 | 14.32 | 14.38 | 14.3 | | |
| | RB1#74 | 14.22 | 14.29 | 14.17 | | |
| | RB36#0 | 13.2 | 13.27 | 13.25 | | |
| | RB36#39 | 13.25 | 13.26 | 13.28 | | |
| | RB75#0 | 13.32 | 13.3 | 13.26 | | |
| 15MHz 16QAM | RB1#0 | 13.42 | 13.25 | 13.5 | 10.53 | 33 |
| | RB1#38 | 13.52 | 13.32 | 13.53 | | |
| | RB1#74 | 13.47 | 13.24 | 13.44 | | |
| | RB36#0 | 12.24 | 12.3 | 12.36 | | |
| | RB36#39 | 12.3 | 12.32 | 12.39 | | |
| | RB75#0 | 12.25 | 12.34 | 12.3 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 20MHz QPSK | RB1#0 | 14.19 | 14.28 | 14.38 | 11.48 | 33 |
| | RB1#50 | 14.34 | 14.41 | 14.48 | | |
| | RB1#99 | 14.28 | 14.3 | 14.33 | | |
| | RB50#0 | 13.22 | 13.37 | 13.35 | | |
| | RB50#50 | 13.34 | 13.33 | 13.32 | | |
| | RB100#0 | 13.3 | 13.36 | 13.32 | | |
| 20MHz 16QAM | RB1#0 | 13.29 | 13.24 | 13.5 | 10.63 | 33 |
| | RB1#50 | 13.41 | 13.37 | 13.63 | | |
| | RB1#99 | 13.32 | 13.22 | 13.49 | | |
| | RB50#0 | 12.23 | 12.45 | 12.4 | | |
| | RB50#50 | 12.35 | 12.43 | 12.38 | | |
| | RB100#0 | 12.32 | 12.37 | 12.38 | | |
| 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 | 9.39 | 10.03 | 10.14 | 13 |
| | RB100#0 | 8.61 | 8.64 | 8.64 | 13 |
| 20MHz 16QAM | RB1#0 | 10.49 | 10.75 | 10.64 | 13 |
| | RB100#0 | 10.09 | 10.09 | 10.12 | 13 |
| | | | | **Result:** | **Pass** |

**FCC §2.1049, §27.53:Occupied Bandwidth**

| Operation Mode | 99% Occupied Bandwidth (MHz) | | | 26 dB Occupied Bandwidth (MHz) | | |
|---|---|---|---|---|---|---|
| | Low Channel | Middle channel | High Channel | Low Channel | Middle Channel | High Channel |
| 5MHz QPSK | 4.491 | 4.511 | 4.511 | 5 | 5.1 | 5.14 |
| 5MHz 16QAM | 4.491 | 4.491 | 4.511 | 5 | 4.96 | 4.96 |
| 10MHz QPSK | 8.982 | 8.942 | 8.942 | 9.76 | 10.04 | 9.68 |
| 10MHz 16QAM | 8.982 | 8.942 | 8.942 | 9.52 | 9.56 | 9.64 |
| 15MHz QPSK | 13.533 | 13.473 | 13.473 | 15.9 | 15.48 | 16.5 |
| 15MHz 16QAM | 13.533 | 13.593 | 13.533 | 15.9 | 15.06 | 15.72 |
| 20MHz QPSK | 17.964 | 17.964 | 17.964 | 19.52 | 20.24 | 19.84 |
| 20MHz 16QAM | 17.964 | 18.044 | 17.964 | 20.72 | 21.76 | 19.92 |
| Note: The test plots please refer to the Plots of Occupied Bandwidth | | | | | | |

| FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal | |
|---|---|
| **Result:** | **Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.** |

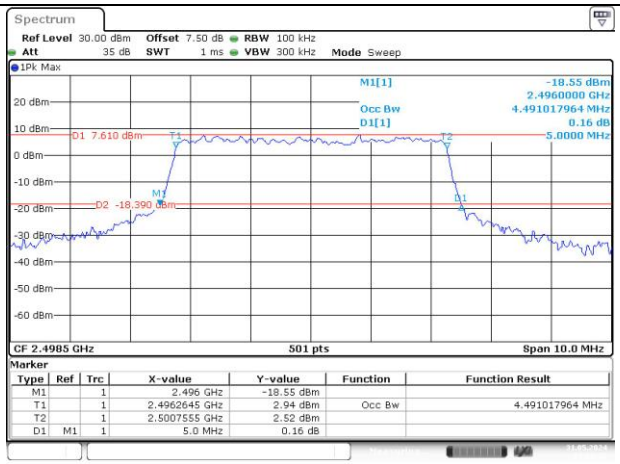
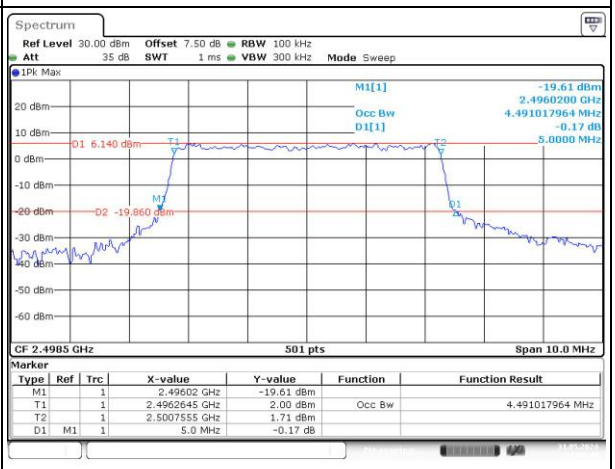
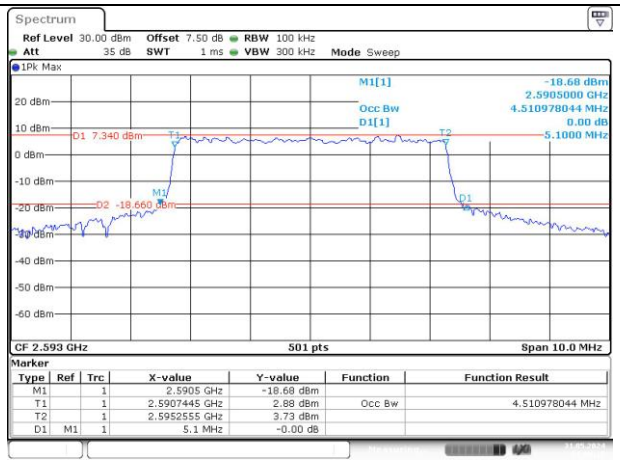
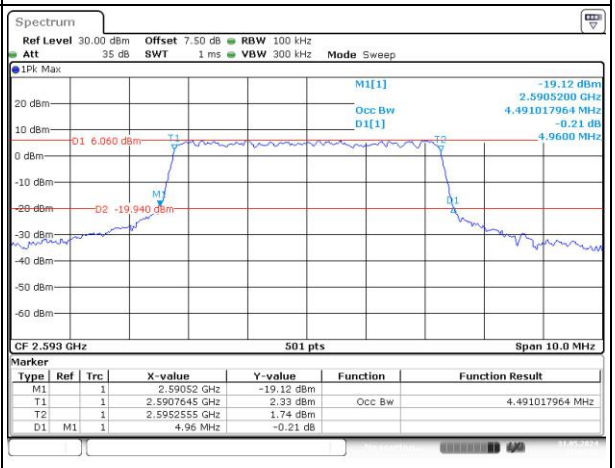
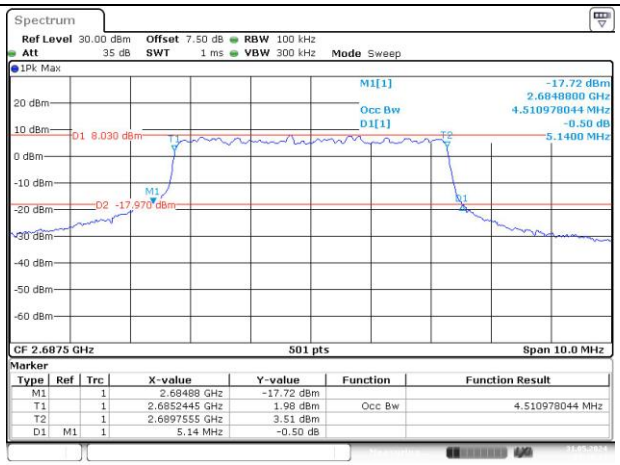
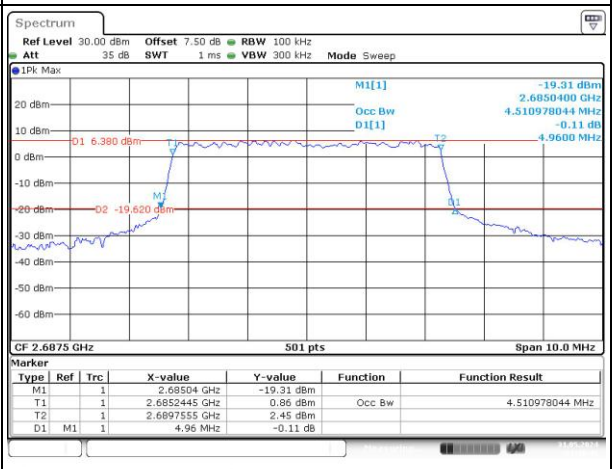
| FCC §2.1051, §27.53:Out of band emission, Band Edge | |
|---|---|
| **Result:** | **Pass, Please refer to the test plots of Out of band emission, Band Edge.** |

**FCC §2.1055, §27.54: 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 | 3.91 | 2497.010 | 2496.00 | 2689.010 | 2690 |
| | -20 | 3.91 | 2497.034 | 2496.00 | 2689.013 | 2690 |
| | -10 | 3.91 | 2497.037 | 2496.00 | 2689.016 | 2690 |
| | 0 | 3.91 | 2497.055 | 2496.00 | 2689.019 | 2690 |
| | 10 | 3.91 | 2497.037 | 2496.00 | 2688.995 | 2690 |
| | 20 | 3.91 | 2497.058 | 2496.00 | 2689.022 | 2690 |
| | 30 | 3.91 | 2497.073 | 2496.00 | 2689.025 | 2690 |
| | 40 | 3.91 | 2497.061 | 2496.00 | 2689.046 | 2690 |
| | 50 | 3.91 | 2497.070 | 2496.00 | 2689.031 | 2690 |
| Frequency Stability vs. Voltage | 20 | 3.45 | 2497.076 | 2496.00 | 2689.031 | 2690 |
| | 20 | 4.5 | 2497.082 | 2496.00 | 2689.037 | 2690 |
| | | | | | **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 | 3.91 | 2497.019 | 2496.00 | 2689.010 | 2690 |
| | -20 | 3.91 | 2497.031 | 2496.00 | 2688.998 | 2690 |
| | -10 | 3.91 | 2497.049 | 2496.00 | 2689.013 | 2690 |
| | 0 | 3.91 | 2497.049 | 2496.00 | 2689.013 | 2690 |
| | 10 | 3.91 | 2497.043 | 2496.00 | 2689.004 | 2690 |
| | 20 | 3.91 | 2497.058 | 2496.00 | 2689.022 | 2690 |
| | 30 | 3.91 | 2497.079 | 2496.00 | 2689.049 | 2690 |
| | 40 | 3.91 | 2497.073 | 2496.00 | 2689.025 | 2690 |
| | 50 | 3.91 | 2497.067 | 2496.00 | 2689.025 | 2690 |
| Frequency Stability vs. Voltage | 20 | 3.45 | 2497.064 | 2496.00 | 2689.040 | 2690 |
| | 20 | 4.5 | 2497.085 | 2496.00 | 2689.040 | 2690 |
| | | | | | **Result:** | **Pass** |

**Test Plots**:

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