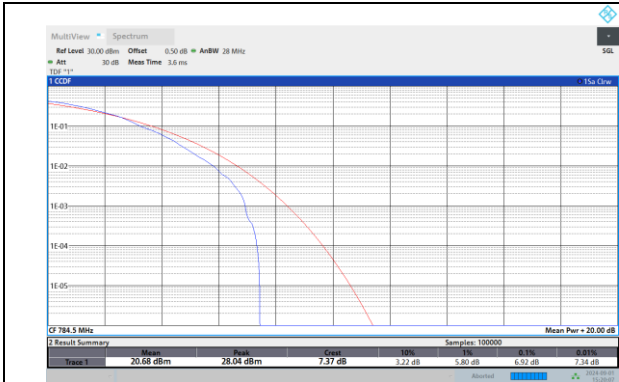
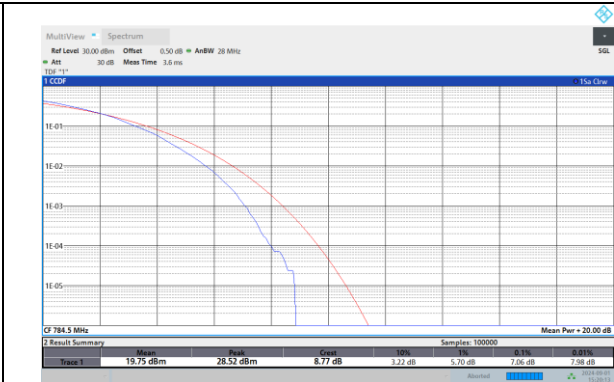




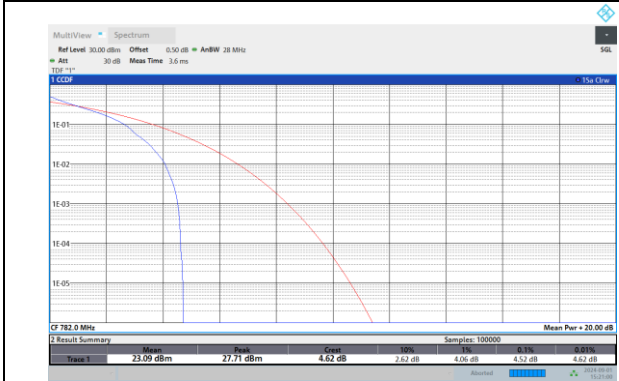
Test Report No.: PSU-NQN2406210109RF03



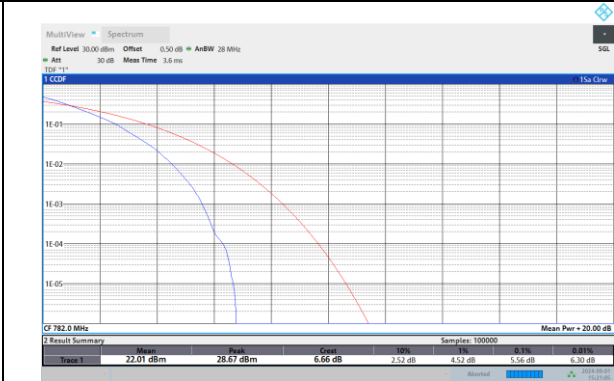
Band13-10MHz-QPSK-23230-1RB#0



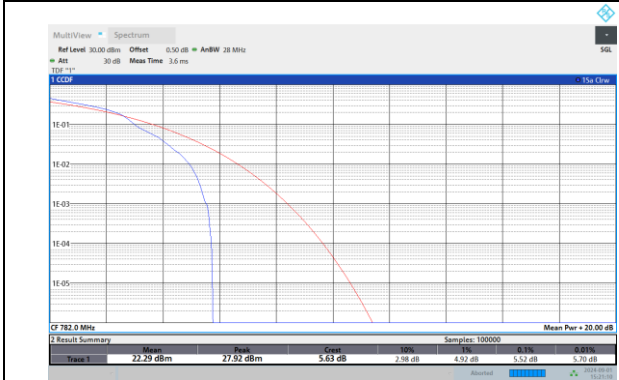
Band13-10MHz-QPSK-23230-6RB#0



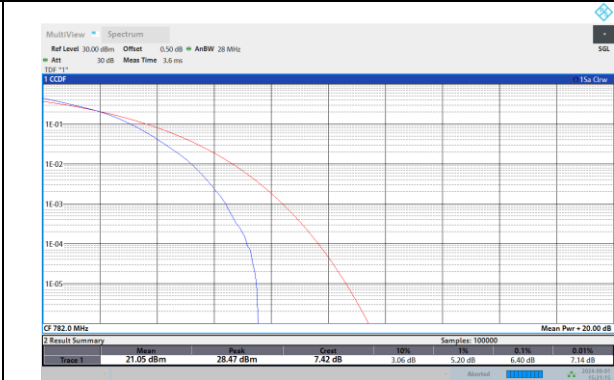
Band13-10MHz-16QAM-23230-1RB#0



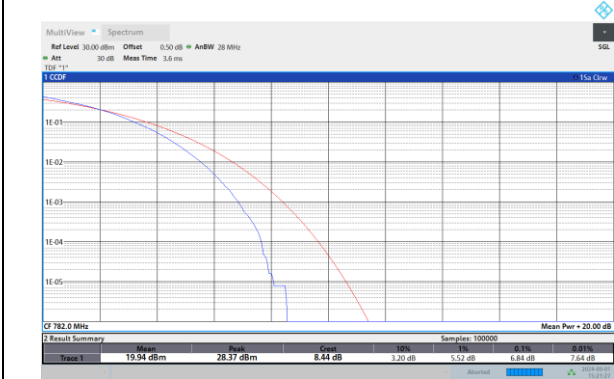
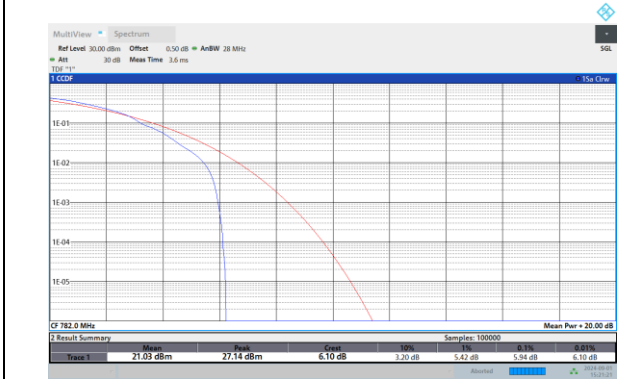
Band13-10MHz-16QAM-23230-6RB#0



Band13-10MHz-64QAM-23230-1RB#0



Band13-10MHz-64QAM-23230-6RB#0





26DB BANDWIDTH AND OCCUPIED BANDWIDTH

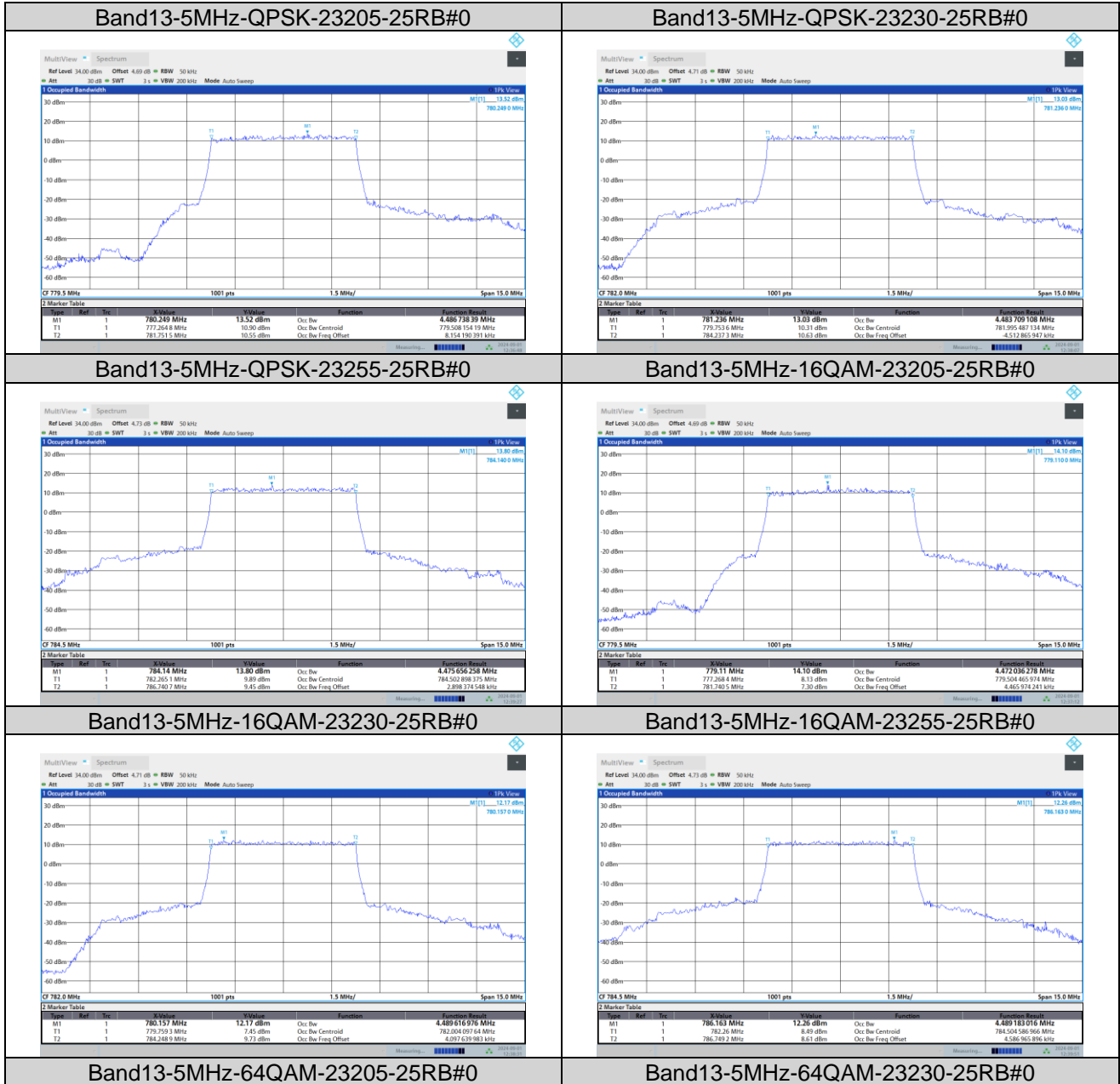
Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band13 | 5MHz | QPSK | 23205 | 25RB#0 | 4.487 | 4.93 | PASS |
| Band13 | 5MHz | QPSK | 23230 | 25RB#0 | 4.484 | 4.90 | PASS |
| Band13 | 5MHz | QPSK | 23255 | 25RB#0 | 4.476 | 4.88 | PASS |
| Band13 | 5MHz | 16QAM | 23205 | 25RB#0 | 4.472 | 4.83 | PASS |
| Band13 | 5MHz | 16QAM | 23230 | 25RB#0 | 4.490 | 4.93 | PASS |
| Band13 | 5MHz | 16QAM | 23255 | 25RB#0 | 4.489 | 4.97 | PASS |
| Band13 | 5MHz | 64QAM | 23205 | 25RB#0 | 4.475 | 4.92 | PASS |
| Band13 | 5MHz | 64QAM | 23230 | 25RB#0 | 4.487 | 4.93 | PASS |
| Band13 | 5MHz | 64QAM | 23255 | 25RB#0 | 4.479 | 4.90 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | 8.939 | 9.74 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 50RB#0 | 8.930 | 9.62 | PASS |
| Band13 | 10MHz | 64QAM | 23230 | 50RB#0 | 8.919 | 9.62 | PASS |



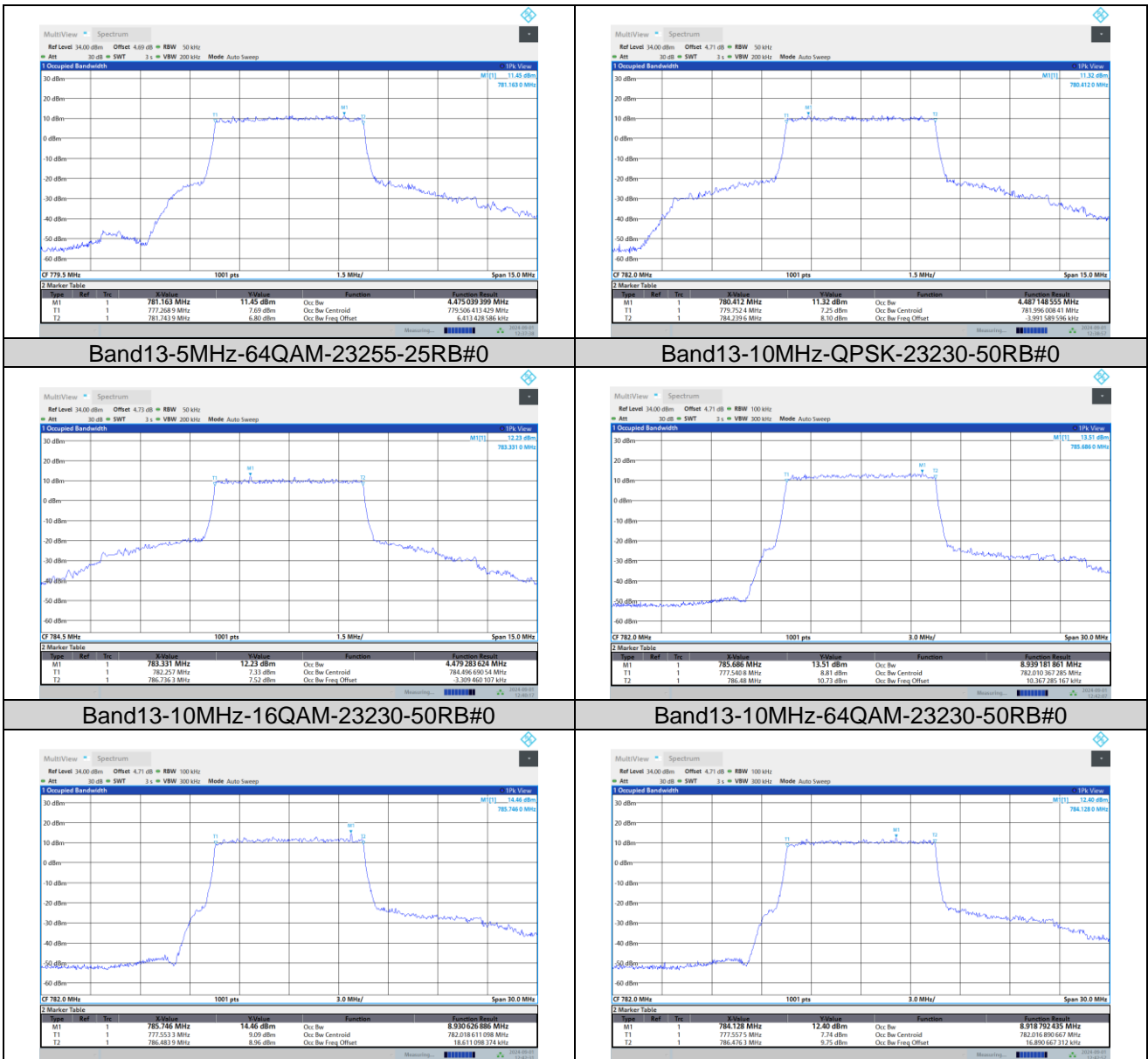
Test Graphs

Occupied Bandwidth



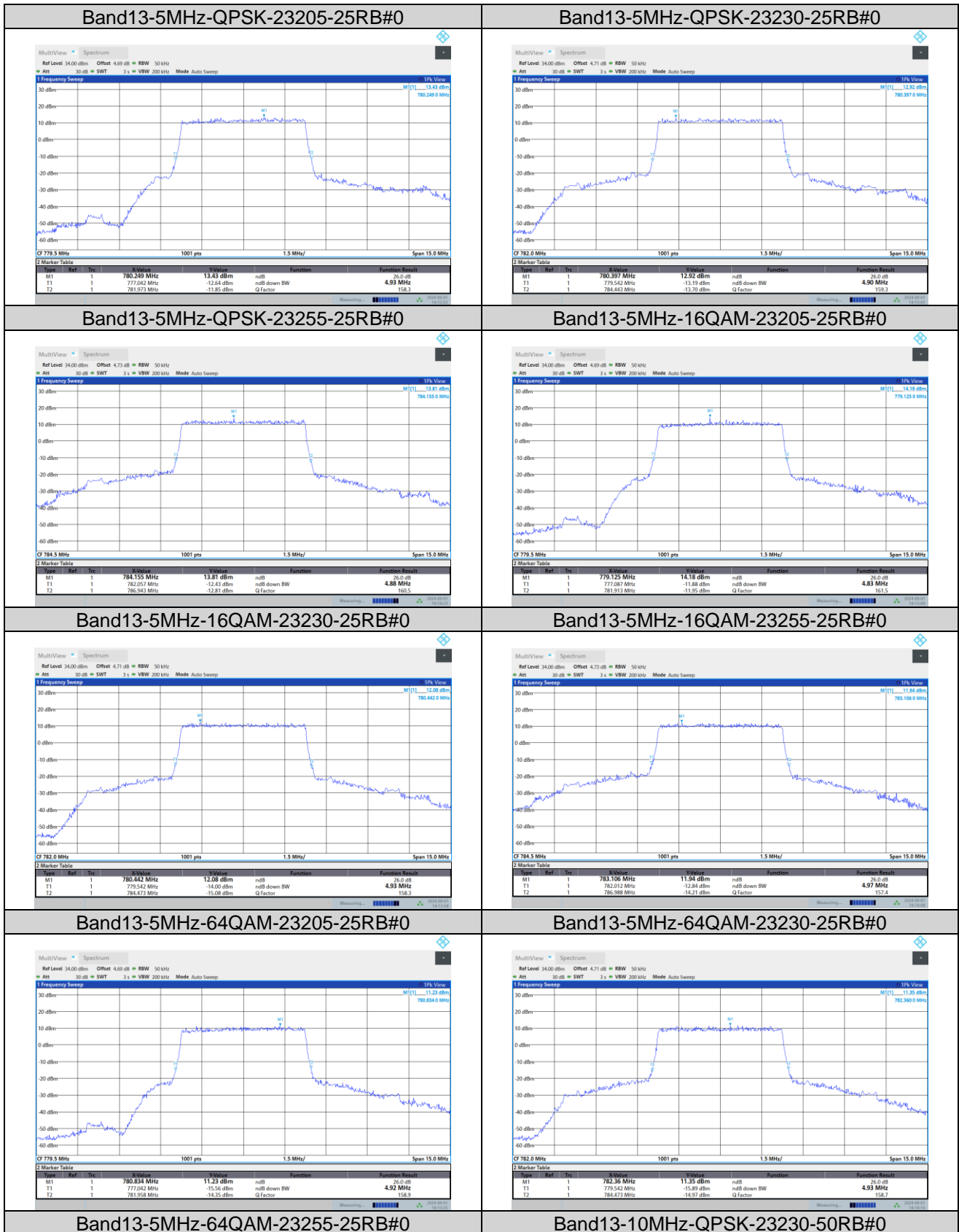


Test Report No.: PSU-NQN2406210109RF03



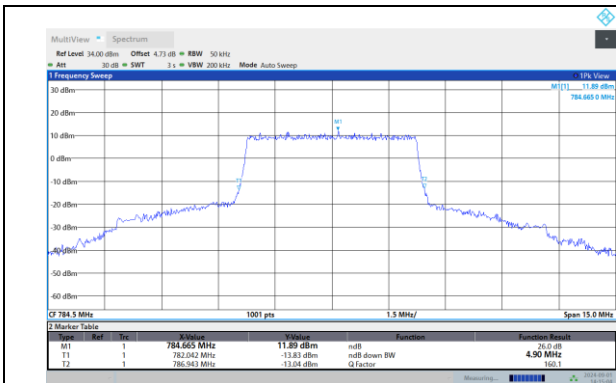


26dB Bandwidth

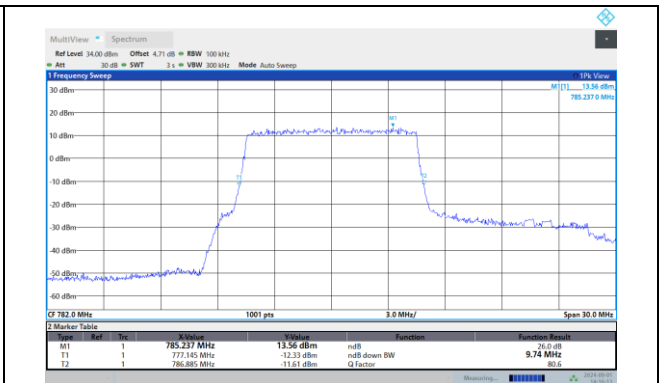




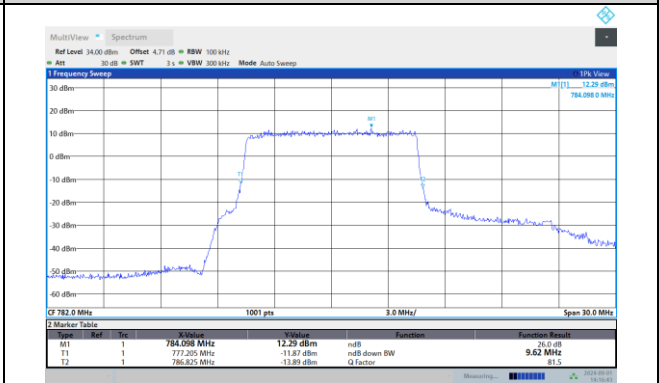
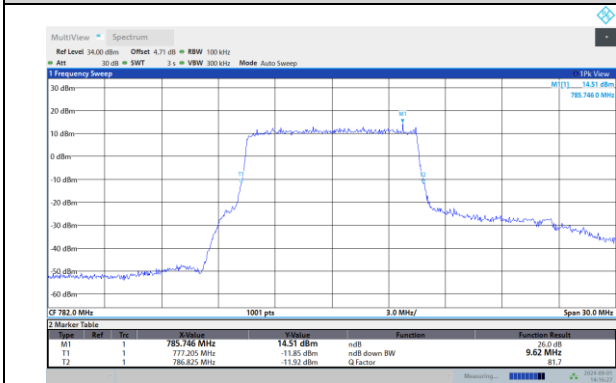
Test Report No.: PSU-NQN2406210109RF03



Band13-10MHz-16QAM-23230-50RB#0



Band13-10MHz-64QAM-23230-50RB#0





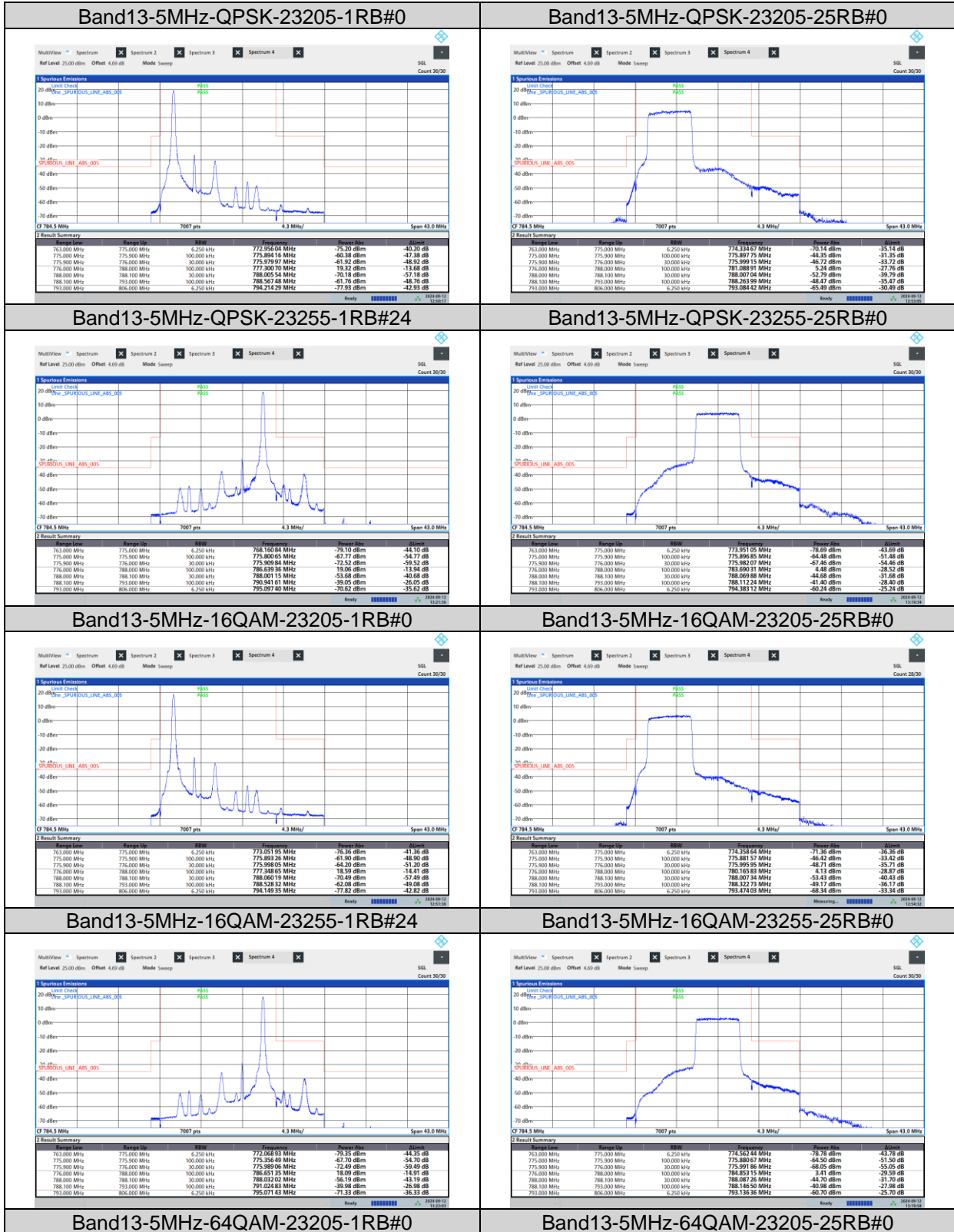
BAND EDGE

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|---------|
| Band13 | 5MHz | QPSK | 23205 | 1RB#0 | See Graph | PASS |
| Band13 | 5MHz | QPSK | 23205 | 25RB#0 | See Graph | PASS |
| Band13 | 5MHz | QPSK | 23255 | 1RB#24 | See Graph | PASS |
| Band13 | 5MHz | QPSK | 23255 | 25RB#0 | See Graph | PASS |
| Band13 | 5MHz | 16QAM | 23205 | 1RB#0 | See Graph | PASS |
| Band13 | 5MHz | 16QAM | 23205 | 25RB#0 | See Graph | PASS |
| Band13 | 5MHz | 16QAM | 23255 | 1RB#24 | See Graph | PASS |
| Band13 | 5MHz | 16QAM | 23255 | 25RB#0 | See Graph | PASS |
| Band13 | 5MHz | 64QAM | 23205 | 1RB#0 | See Graph | PASS |
| Band13 | 5MHz | 64QAM | 23205 | 25RB#0 | See Graph | PASS |
| Band13 | 5MHz | 64QAM | 23255 | 1RB#24 | See Graph | PASS |
| Band13 | 5MHz | 64QAM | 23255 | 25RB#0 | See Graph | PASS |
| Band13 | 10MHz | QPSK | 23230 | 1RB#0 | See Graph | PASS |
| Band13 | 10MHz | QPSK | 23230 | 1RB#49 | See Graph | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | See Graph | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#0 | See Graph | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#49 | See Graph | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 50RB#0 | See Graph | PASS |
| Band13 | 10MHz | 64QAM | 23230 | 1RB#0 | See Graph | PASS |
| Band13 | 10MHz | 64QAM | 23230 | 1RB#49 | See Graph | PASS |
| Band13 | 10MHz | 64QAM | 23230 | 50RB#0 | See Graph | PASS |

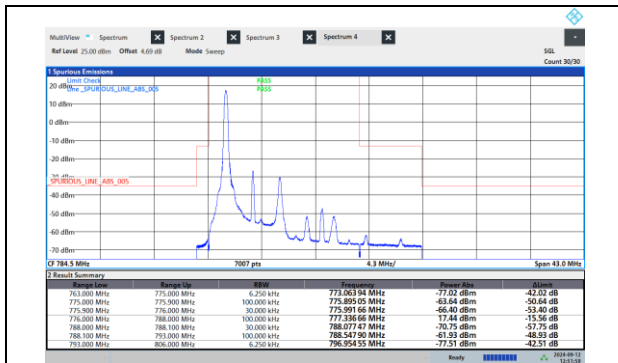


Test Graphs

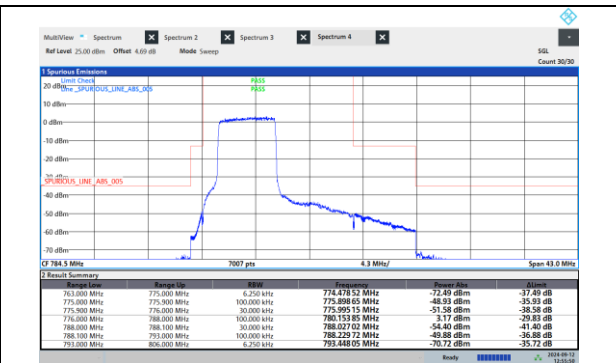




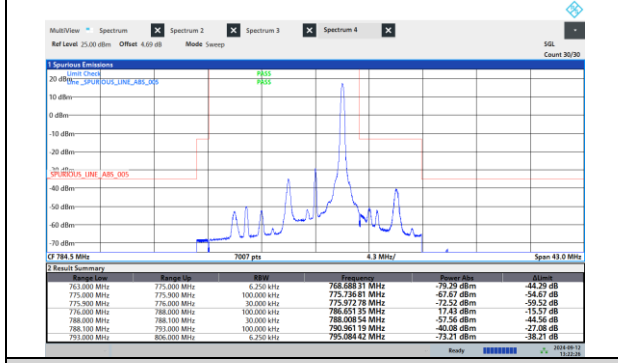
Test Report No.: PSU-NQN2406210109RF03



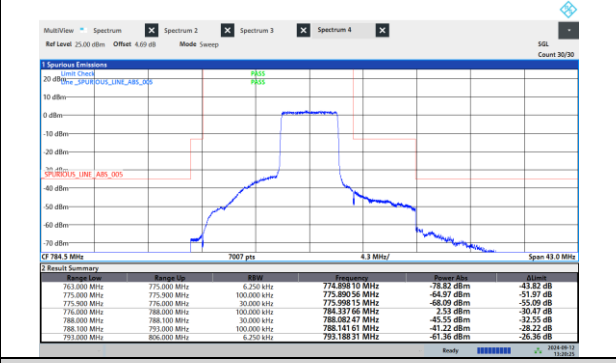
Band13-5MHz-64QAM-23255-1RB#24



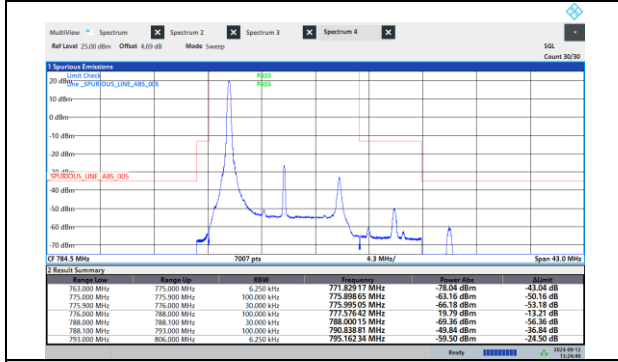
Band13-5MHz-64QAM-23255-25RB#0



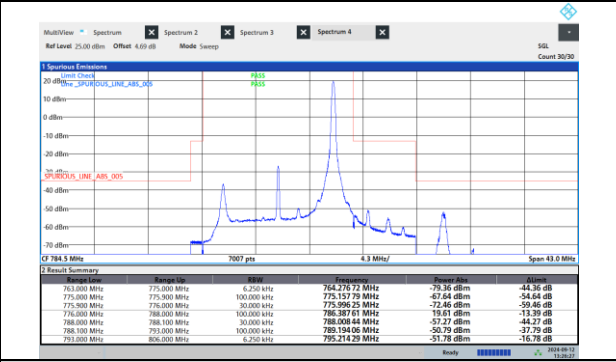
Band13-10MHz-QPSK-23230-1RB#0



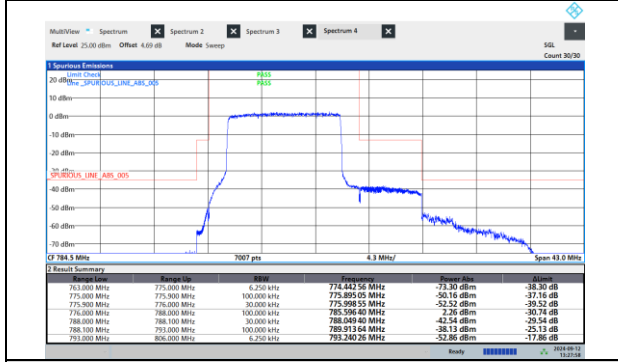
Band13-10MHz-QPSK-23230-1RB#49



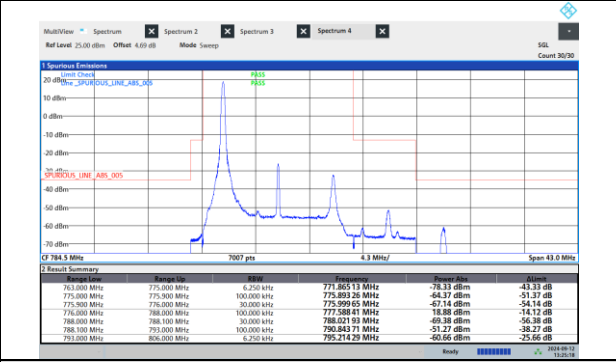
Band13-10MHz-QPSK-23230-50RB#0



Band13-10MHz-16QAM-23230-1RB#0



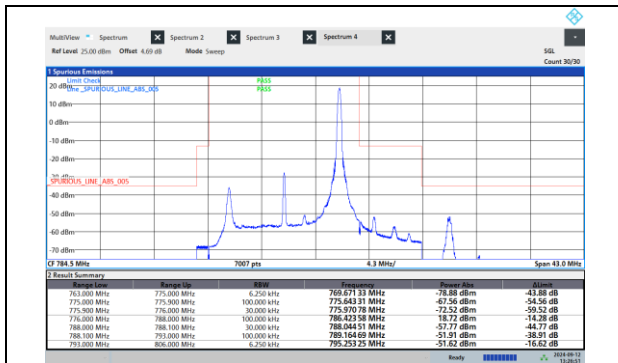
Band13-10MHz-16QAM-23230-50RB#0



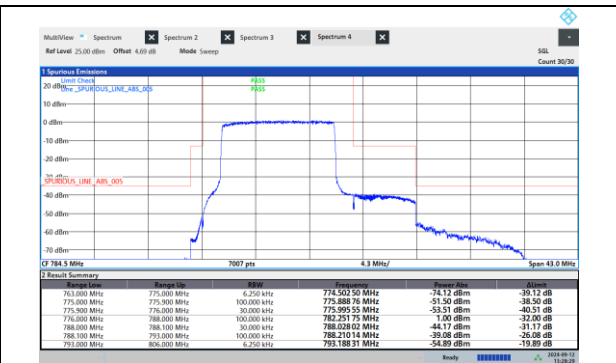
Band13-10MHz-16QAM-23230-50RB#0



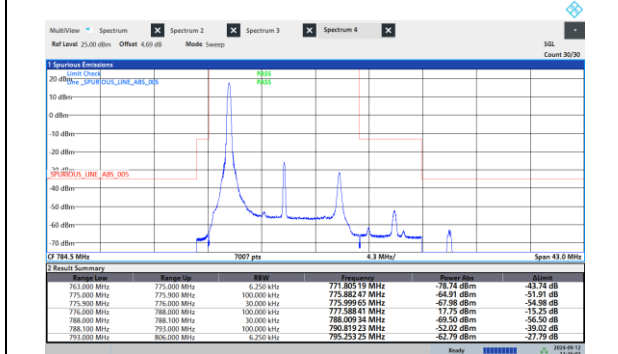
Test Report No.: PSU-NQN2406210109RF03



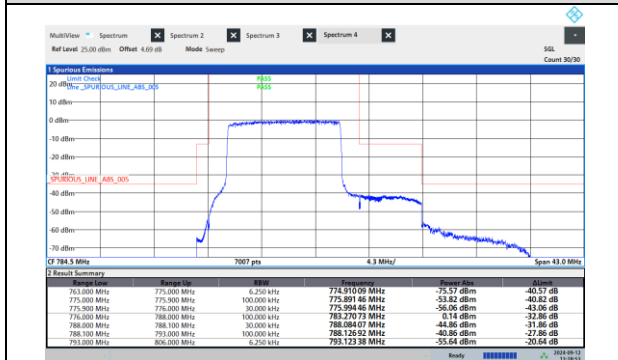
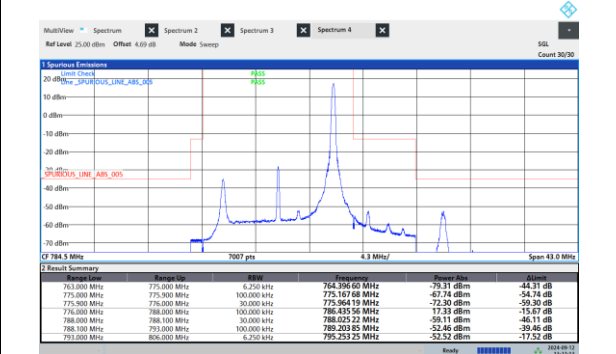
Band13-10MHz-16QAM-23230-1RB#0



Band13-10MHz-16QAM-23230-50RB#0



Band13-10MHz-16QAM-23230-50RB#0





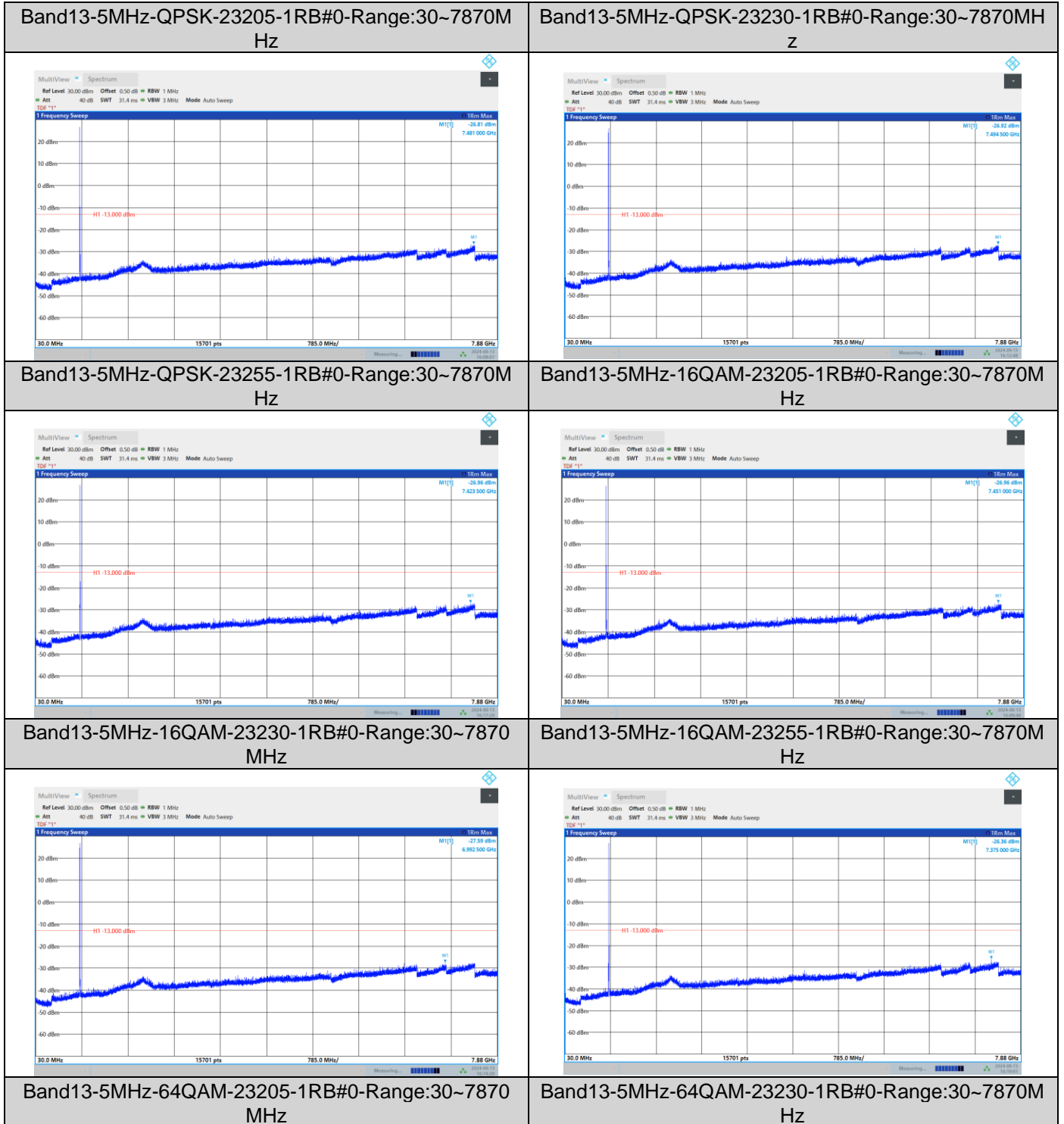
CONDUCTED SPURIOUS EMISSION

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|------------------|--------------|---------|
| Band13 | 5MHz | QPSK | 23205 | 1RB#0 | Range:30~7870MHz | See Graph | PASS |
| Band13 | 5MHz | QPSK | 23230 | 1RB#0 | Range:30~7870MHz | See Graph | PASS |
| Band13 | 5MHz | QPSK | 23255 | 1RB#0 | Range:30~7870MHz | See Graph | PASS |
| Band13 | 5MHz | 16QAM | 23205 | 1RB#0 | Range:30~7870MHz | See Graph | PASS |
| Band13 | 5MHz | 16QAM | 23230 | 1RB#0 | Range:30~7870MHz | See Graph | PASS |
| Band13 | 5MHz | 16QAM | 23255 | 1RB#0 | Range:30~7870MHz | See Graph | PASS |
| Band13 | 5MHz | 64QAM | 23205 | 1RB#0 | Range:30~7870MHz | See Graph | PASS |
| Band13 | 5MHz | 64QAM | 23230 | 1RB#0 | Range:30~7870MHz | See Graph | PASS |
| Band13 | 5MHz | 64QAM | 23255 | 1RB#0 | Range:30~7870MHz | See Graph | PASS |
| Band13 | 10MHz | QPSK | 23230 | 1RB#0 | Range:30~7870MHz | See Graph | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#0 | Range:30~7870MHz | See Graph | PASS |
| Band13 | 10MHz | 64QAM | 23230 | 1RB#0 | Range:30~7870MHz | See Graph | PASS |

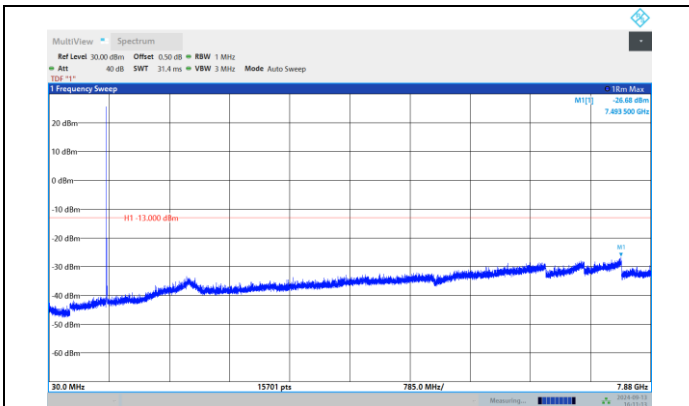


Test Graphs

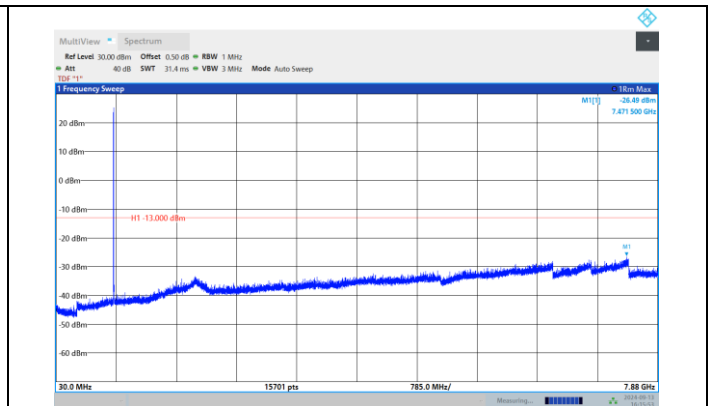




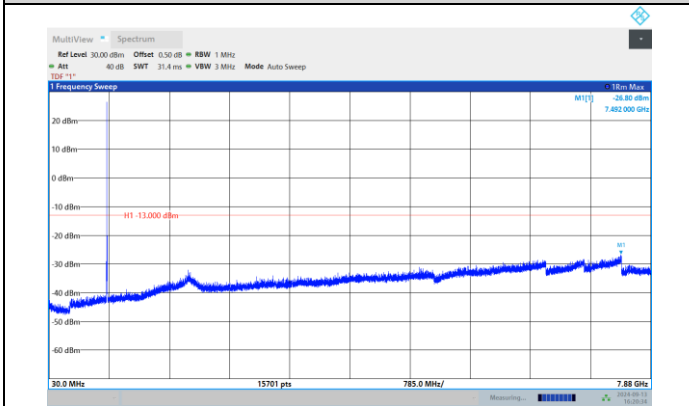
Test Report No.: PSU-NQN2406210109RF03



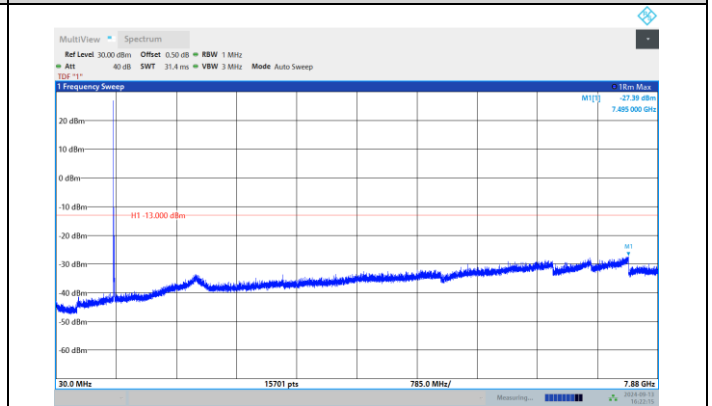
Band13-5MHz-64QAM-23255-1RB#0-Range:30~7870 MHz



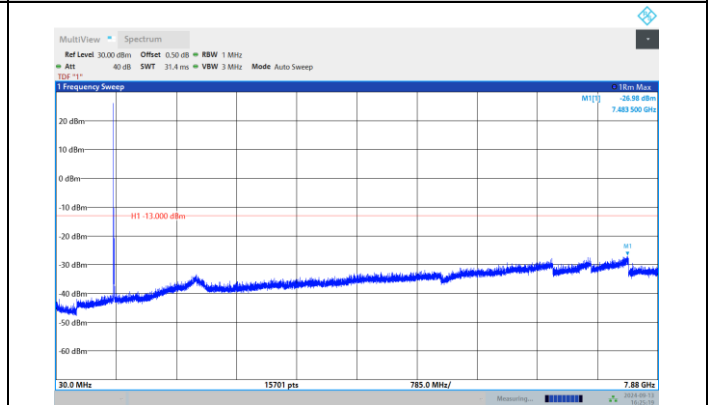
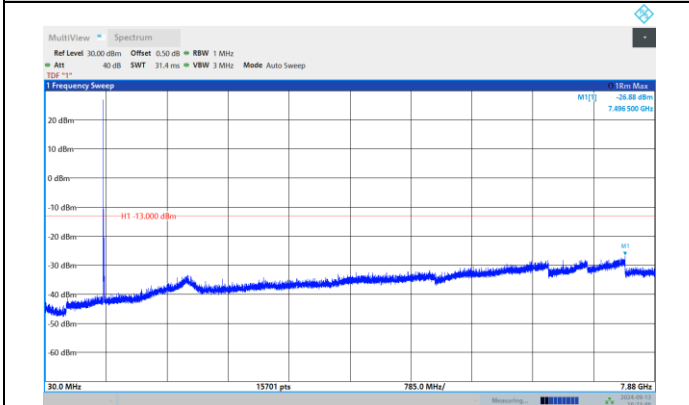
Band13-10MHz-QPSK-23230-1RB#0-Range:30~7870 MHz



Band13-10MHz-16QAM-23230-1RB#0-Range:30~7870 MHz



Band13-10MHz-64QAM-23230-1RB#0-Range:30~7870 MHz





FREQUENCY STABILITY

Test Result

| Voltage | | | | | | | | | | |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | LV | NT | -17.89 | -0.0229 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | NV | NT | 24.83 | 0.0318 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | HV | NT | -8.16 | -0.0104 | ±2.5 | PASS |

| Temperature | | | | | | | | | | |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | NV | -30 | 6.12 | 0.0078 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | NV | -20 | 9.50 | 0.0121 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | NV | -10 | -11.01 | -0.0141 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | NV | 0 | -4.69 | -0.0060 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | NV | 10 | -18.60 | -0.0238 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | NV | 20 | 0.91 | 0.0012 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | NV | 30 | 21.54 | 0.0275 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | NV | 40 | -19.71 | -0.0252 | ±2.5 | PASS |
| Band13 | 10MHz | QPSK | 23230 | 50RB#0 | NV | 50 | -18.03 | -0.0231 | ±2.5 | PASS |

MAX Deviation calculation

| Frequency Stability | Frequency (MHz) | Limit Line(MHz) | Result |
|---------------------|-----------------|-----------------|--------|
| fL- MAX(Δf) | 777.257975 | ≥777 | PASS |
| fH+ MAX(Δf) | 786.74202 | ≤787 | |

- Note:
1. |MAX(Δf)| = Max Deviation
 2. fL = Occ low channel fL(-13dBm/MHz)
 3. fH = Occ High channel fH(-13dBm/MHz)
 4. |MAX(Δf)| = 24.83Hz.

--END--