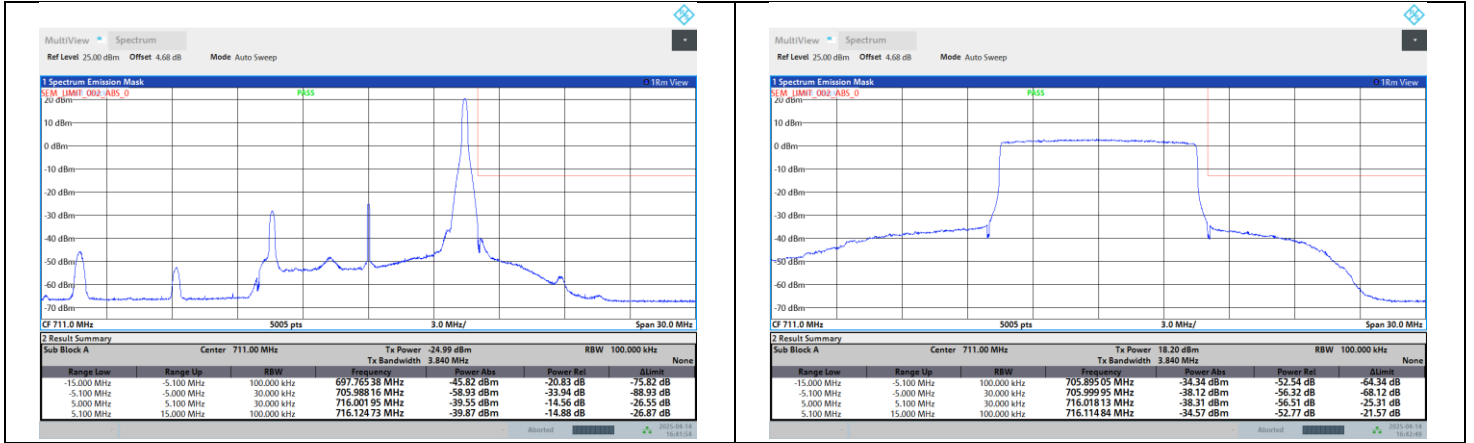




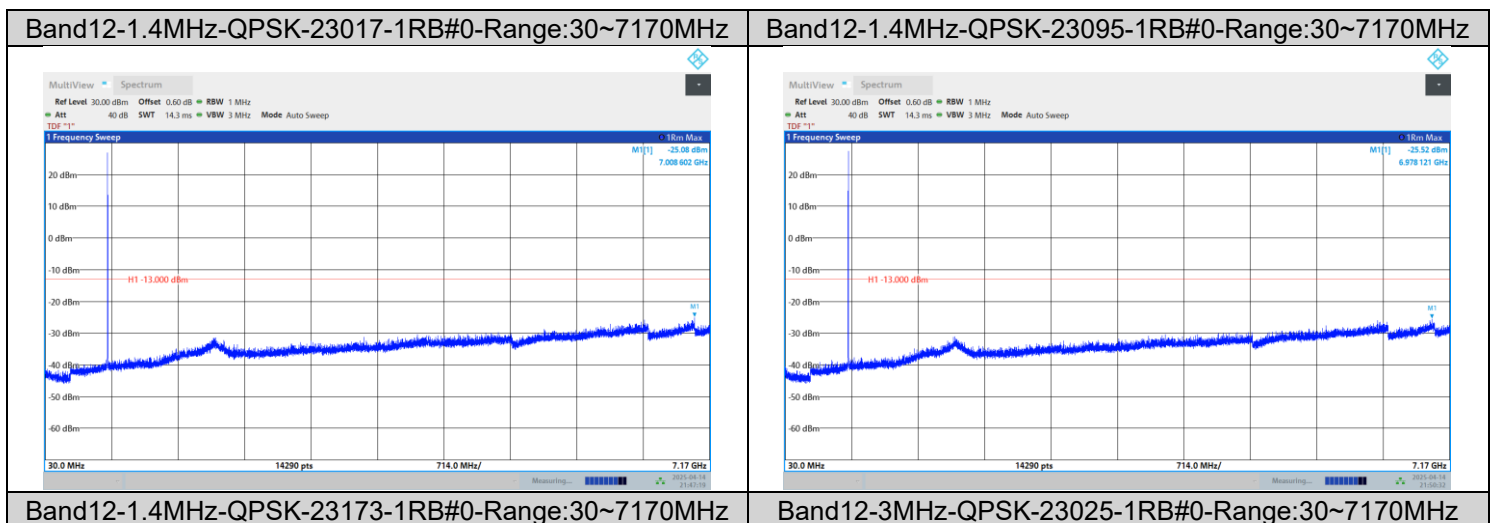


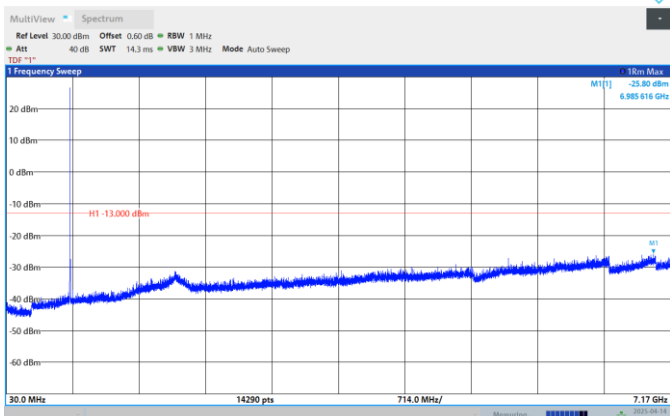
**BUREAU VERITAS** Test Report No.: PSZ-QSZ2504020109RF03  
**CONDUCTED SPURIOUS EMISSION**

**Test Result**

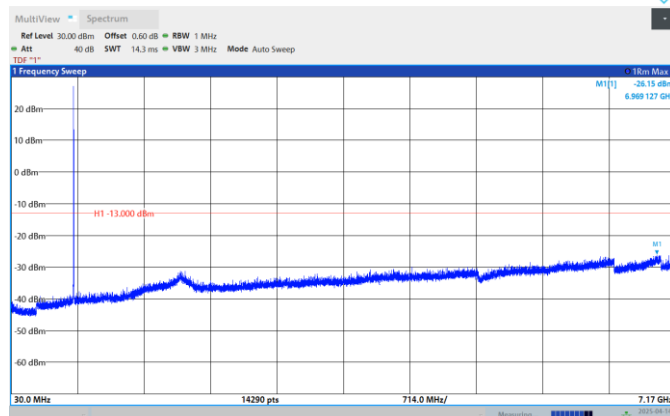
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range  | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|------------------|--------------|---------|
| Band12 | 1.4MHz    | QPSK       | 23017   | 1RB#0            | Range:30~7170MHz | See Graph    | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23095   | 1RB#0            | Range:30~7170MHz | See Graph    | PASS    |
| Band12 | 1.4MHz    | QPSK       | 23173   | 1RB#0            | Range:30~7170MHz | See Graph    | PASS    |
| Band12 | 3MHz      | QPSK       | 23025   | 1RB#0            | Range:30~7170MHz | See Graph    | PASS    |
| Band12 | 3MHz      | QPSK       | 23095   | 1RB#0            | Range:30~7170MHz | See Graph    | PASS    |
| Band12 | 3MHz      | QPSK       | 23165   | 1RB#0            | Range:30~7170MHz | See Graph    | PASS    |
| Band12 | 5MHz      | QPSK       | 23035   | 1RB#0            | Range:30~7170MHz | See Graph    | PASS    |
| Band12 | 5MHz      | QPSK       | 23095   | 1RB#0            | Range:30~7170MHz | See Graph    | PASS    |
| Band12 | 5MHz      | QPSK       | 23155   | 1RB#0            | Range:30~7170MHz | See Graph    | PASS    |
| Band12 | 10MHz     | QPSK       | 23060   | 1RB#0            | Range:30~7170MHz | See Graph    | PASS    |
| Band12 | 10MHz     | QPSK       | 23095   | 1RB#0            | Range:30~7170MHz | See Graph    | PASS    |
| Band12 | 10MHz     | QPSK       | 23130   | 1RB#0            | Range:30~7170MHz | See Graph    | PASS    |

**Test Graphs**

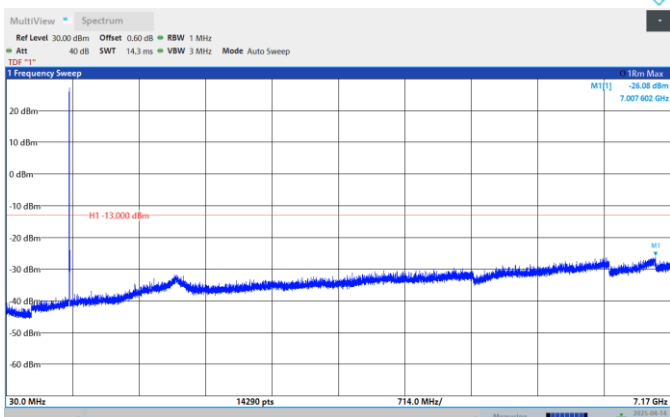




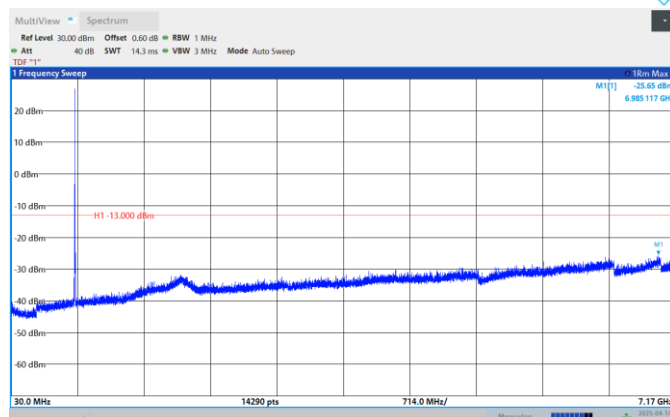
Band12-3MHz-QPSK-23095-1RB#0-Range:30~7170MHz



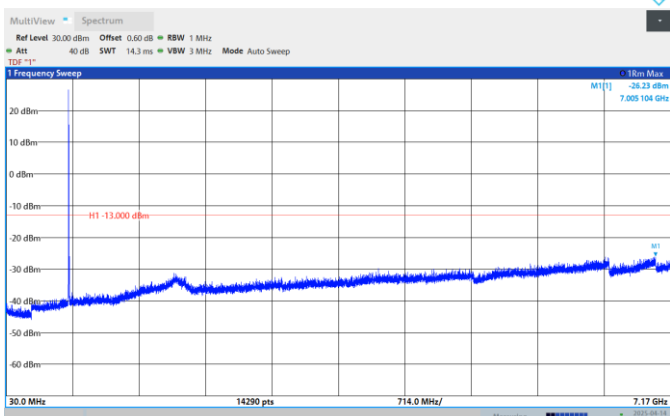
Band12-3MHz-QPSK-23165-1RB#0-Range:30~7170MHz



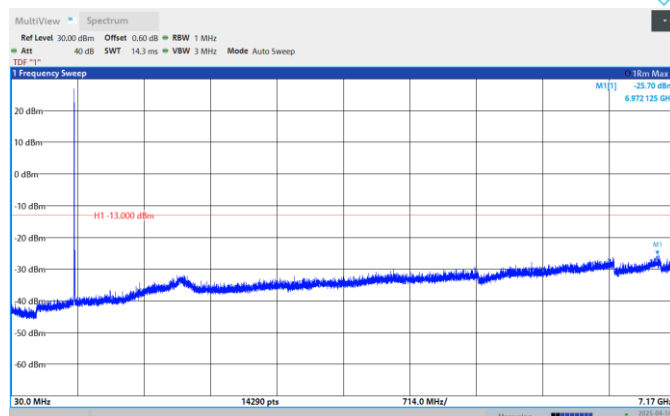
Band12-5MHz-QPSK-23035-1RB#0-Range:30~7170MHz



Band12-5MHz-QPSK-23095-1RB#0-Range:30~7170MHz



Band12-5MHz-QPSK-23155-1RB#0-Range:30~7170MHz

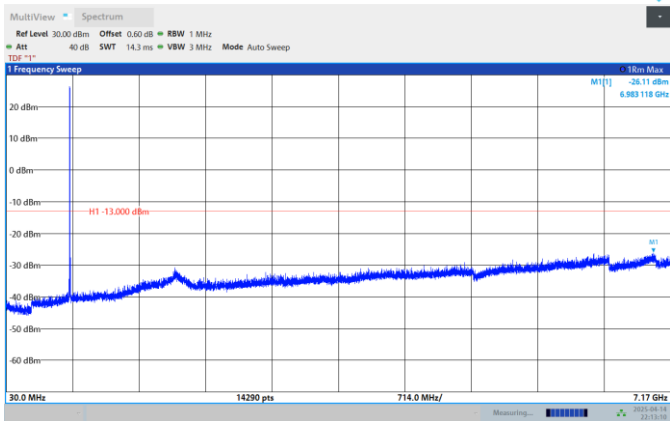


Band12-10MHz-QPSK-23060-1RB#0-Range:30~7170MHz

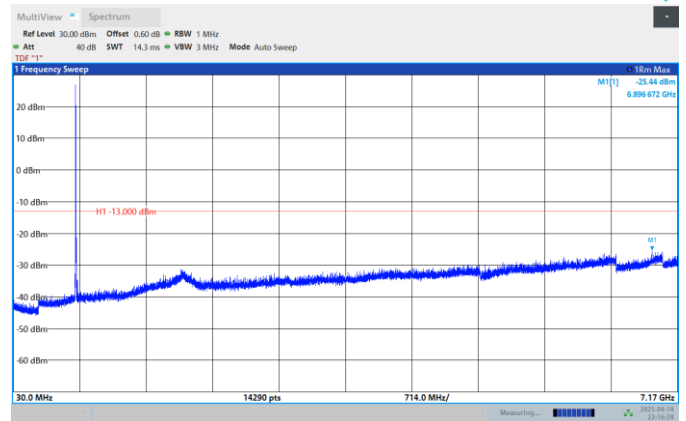


BUREAU  
VERITAS

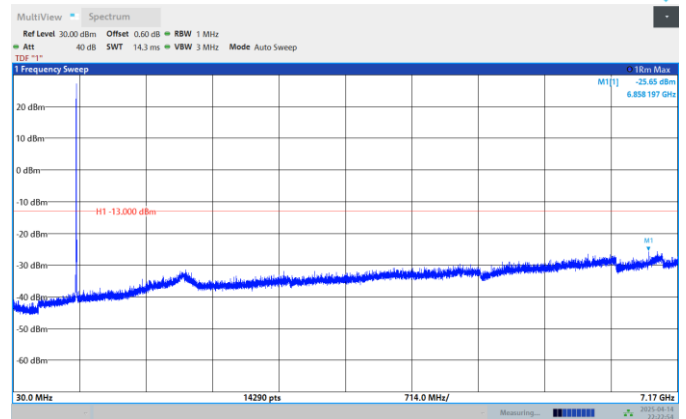
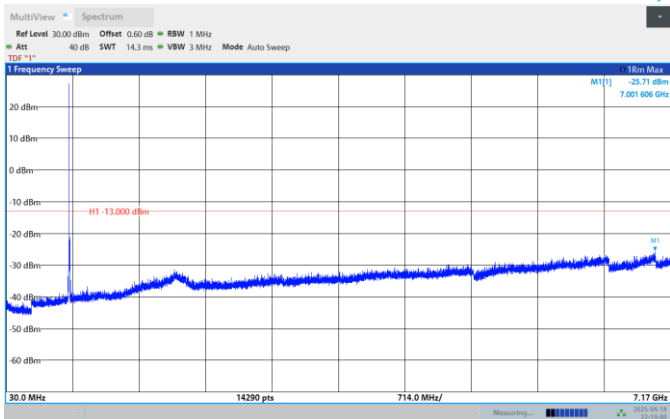
Test Report No.: PSZ-QSZ2504020109RF03



Band12-10MHz-QPSK-23095-1RB#0-Range:30~7170MHz



Band12-10MHz-QPSK-23130-1RB#0-Range:30~7170MHz





## FREQUENCY STABILITY

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band12  | 10MHz     | QPSK       | 23060   | 50RB#0       | LV            | NT               | -24.60         | -0.0349         | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | NT               | 12.1           | 0.0172          | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23060   | 50RB#0       | HV            | NT               | 3.40           | 0.0048          | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23095   | 50RB#0       | LV            | NT               | -20.20         | -0.0286         | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | NT               | 18.60          | 0.0263          | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23095   | 50RB#0       | HV            | NT               | 0.50           | 0.0007          | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23130   | 50RB#0       | LV            | NT               | -13.40         | -0.0188         | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | NT               | -12.10         | -0.0170         | ±2.5        | PASS    |
| Band12  | 10MHz     | QPSK       | 23130   | 50RB#0       | HV            | NT               | 22.10          | 0.0311          | ±2.5        | PASS    |

| Temperature |           |            |         |              |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | -30              | -21.40         | -0.0304         | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | -20              | -6.40          | -0.0091         | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | -10              | 21.30          | 0.0303          | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 0                | -15.20         | -0.0216         | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 10               | 1.90           | 0.0027          | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 20               | -13.60         | -0.0193         | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 30               | 15.10          | 0.0214          | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 40               | 16.70          | 0.0237          | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23060   | 50RB#0       | NV            | 50               | 15.70          | 0.0223          | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | -30              | 23.90          | 0.0338          | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | -20              | -24.60         | -0.0348         | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | -10              | -9.90          | -0.0140         | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 0                | -13.90         | -0.0196         | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 10               | -8.20          | -0.0116         | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 20               | 9.00           | 0.0127          | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 30               | -5.50          | -0.0078         | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 40               | 22.80          | 0.0322          | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23095   | 50RB#0       | NV            | 50               | 5.70           | 0.0081          | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | -30              | 21.10          | 0.0297          | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | -20              | 13.60          | 0.0191          | ±2.5        | PASS    |
| Band12      | 10MHz     | QPSK       | 23130   | 50RB#0       | NV            | -10              | 19.70          | 0.0277          | ±2.5        | PASS    |
| Band12      | 20MHz     | QPSK       | 23130   | 50RB#0       | NV            | 0                | -5.10          | -0.0072         | ±2.5        | PASS    |
| Band12      | 20MHz     | QPSK       | 23130   | 50RB#0       | NV            | 10               | -19.90         | -0.0280         | ±2.5        | PASS    |
| Band12      | 20MHz     | QPSK       | 23130   | 50RB#0       | NV            | 20               | -18.70         | -0.0263         | ±2.5        | PASS    |
| Band12      | 20MHz     | QPSK       | 23130   | 50RB#0       | NV            | 30               | -1.20          | -0.0017         | ±2.5        | PASS    |
| Band12      | 20MHz     | QPSK       | 23130   | 50RB#0       | NV            | 40               | -4.10          | -0.0058         | ±2.5        | PASS    |
| Band12      | 20MHz     | QPSK       | 23130   | 50RB#0       | NV            | 50               | 8.60           | 0.0121          | ±2.5        | PASS    |

### MAX Deviation calculation

Huarui 7layers High Technology  
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech  
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



| Frequency Stability   | Frequency<br>(MHz) | Limit<br>Line(MHz) | Result |
|-----------------------|--------------------|--------------------|--------|
| fL- MAX( $\Delta f$ ) | 699.5220           | $\geq 699$         | PASS   |
| fH+ MAX( $\Delta f$ ) | 715.4735           | $\leq 716$         |        |

Note:1. |MAX( $\Delta f$ )| = Max Deviation

2. fL = Occ low channel fL(-13dBm/MHz)

3. fH = Occ High channel fH(-13dBm/MHz)

4. |MAX( $\Delta f$ )| = 24.60Hz.



## PEAK-TO-AVERAGE RATIO(CCDF)

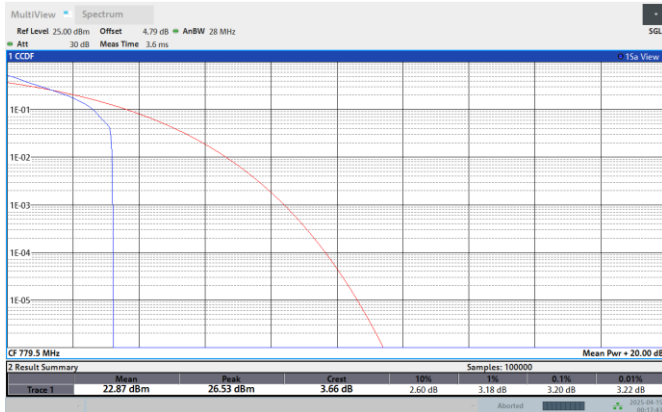
### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | 3.20       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 25RB#0           | 3.96       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | 2.92       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 25RB#0           | 3.86       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | 3.02       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 25RB#0           | 3.96       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#0            | 4.32       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 25RB#0           | 5.16       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#0            | 4.62       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 25RB#0           | 5.08       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 1RB#0            | 3.86       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 25RB#0           | 5.08       | 13        | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 1RB#0            | 3.20       | 13        | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 50RB#0           | 3.96       | 13        | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 1RB#0            | 3.96       | 13        | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 50RB#0           | 4.98       | 13        | PASS    |



## Test Graphs

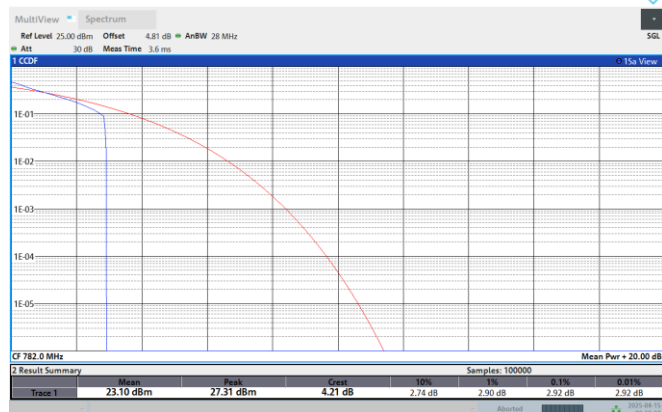
Band13-5MHz-QPSK-23205-1RB#0



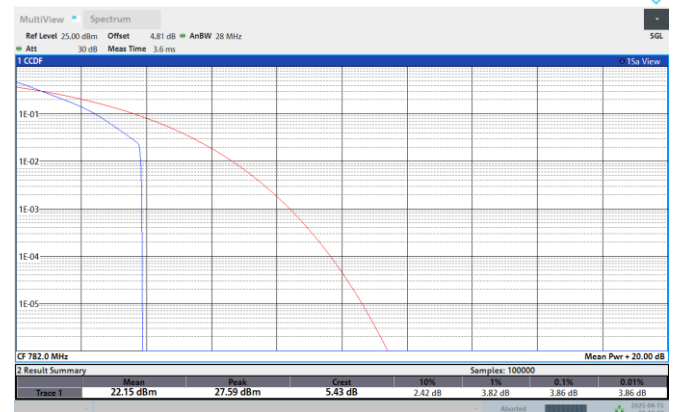
Band13-5MHz-QPSK-23205-6RB#0



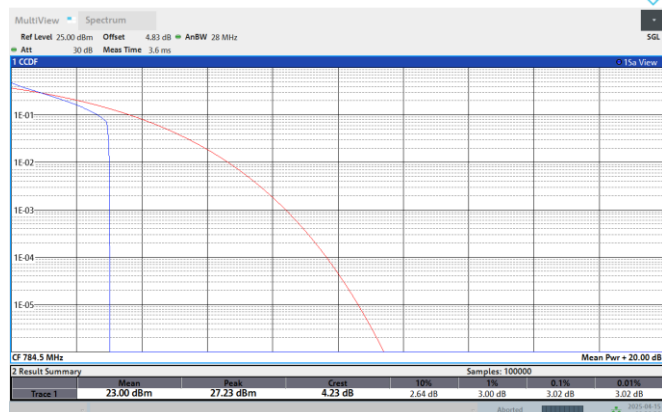
Band13-5MHz-QPSK-23230-1RB#0



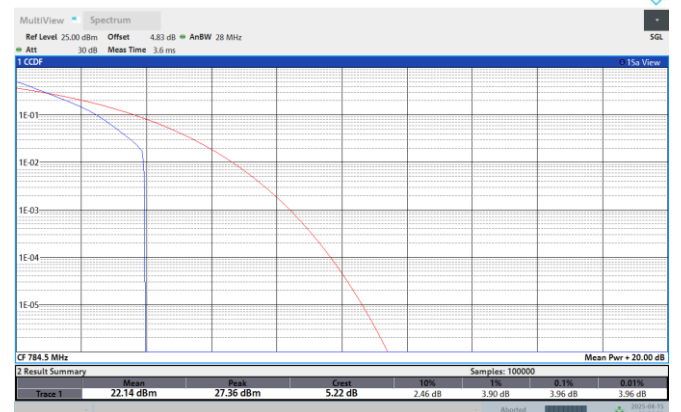
Band13-5MHz-QPSK-23230-6RB#0



Band13-5MHz-QPSK-23255-1RB#0

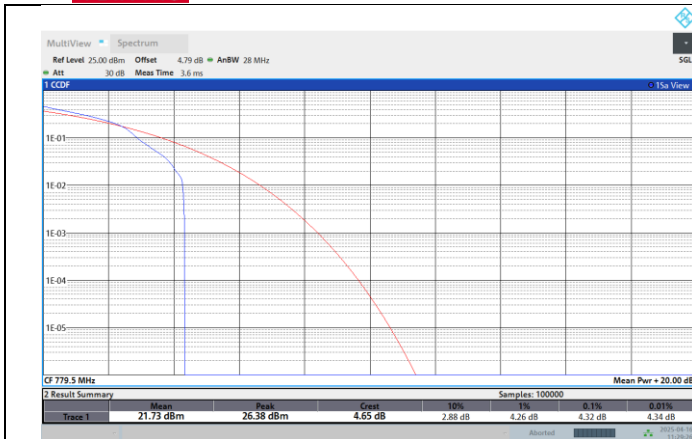


Band13-5MHz-QPSK-23255-6RB#0

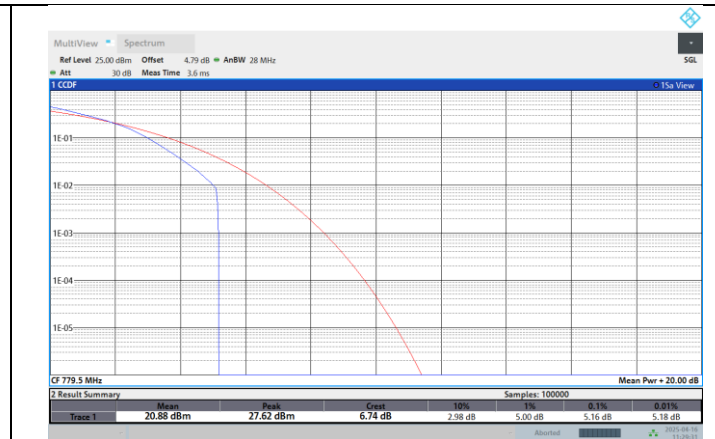


Band13-5MHz-16QAM-23205-1RB#0

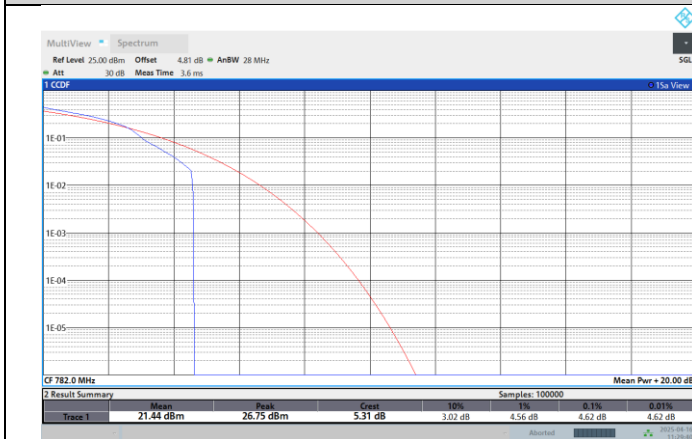
Band13-5MHz-16QAM-23205-6RB#0



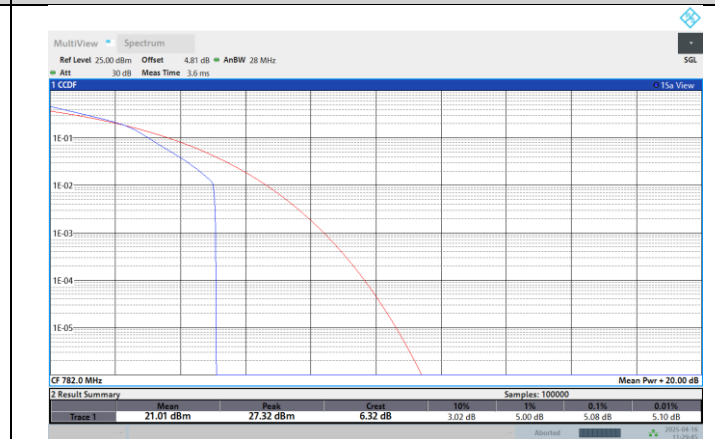
Band13-5MHz-16QAM-23230-1RB#0



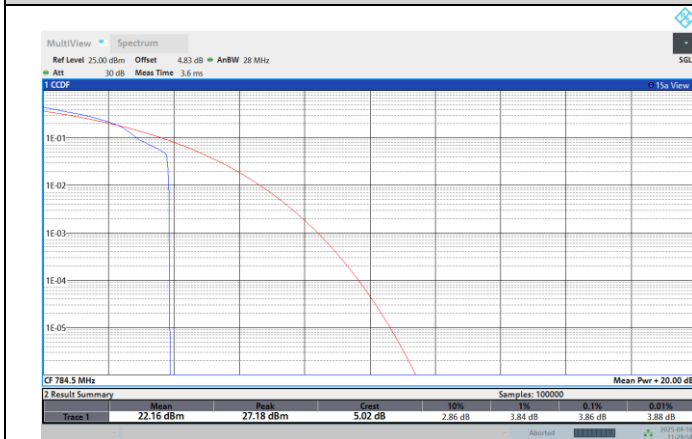
Band13-5MHz-16QAM-23230-6RB#0



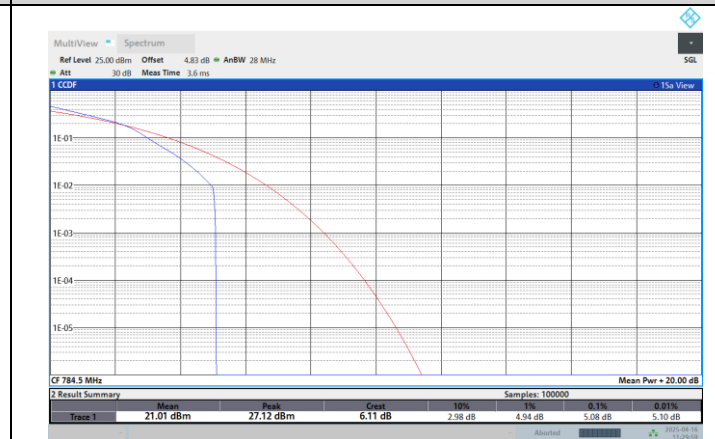
Band13-5MHz-16QAM-23255-1RB#0



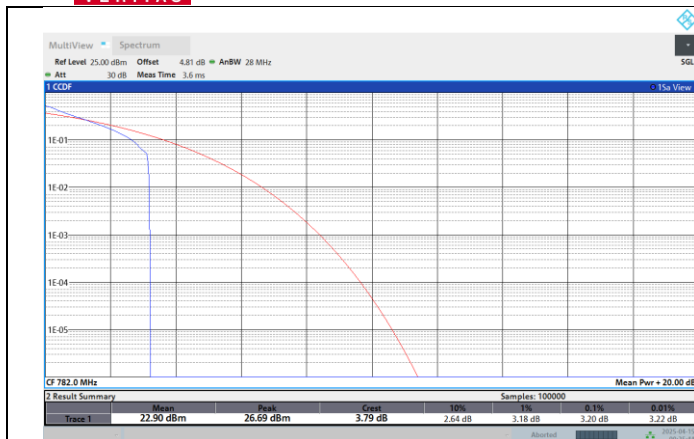
Band13-5MHz-16QAM-23255-6RB#0



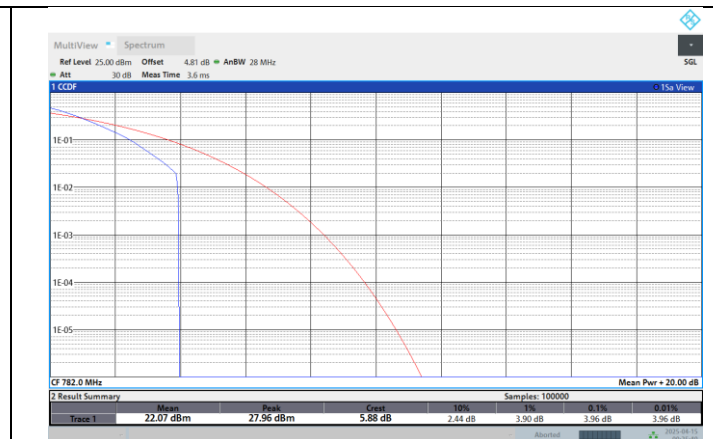
Band13-10MHz-QPSK-23230-1RB#0



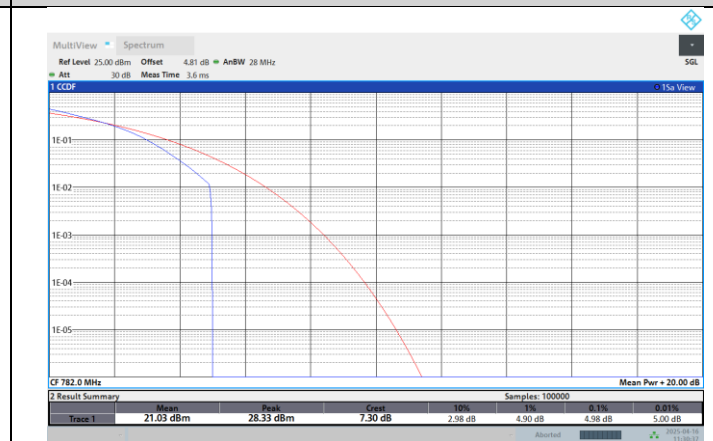
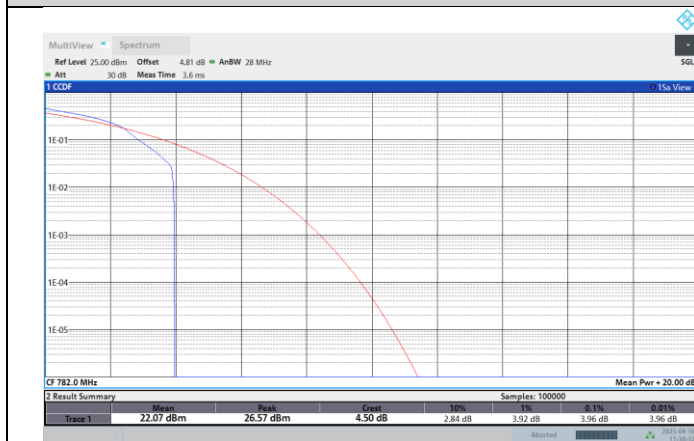
Band13-10MHz-QPSK-23230-6RB#0



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



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





**BUREAU VERITAS** Test Report No.: PSZ-QSZ2504020109RF03

## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

### Test Result

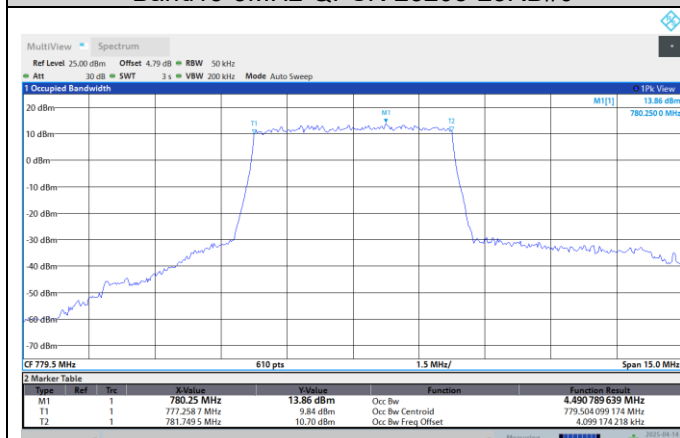
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band13 | 5MHz      | QPSK       | 23205   | 25RB#0           | 4.491                    | 4.92                 | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 25RB#0           | 4.487                    | 4.88                 | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 25RB#0           | 4.469                    | 4.87                 | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 25RB#0           | 4.470                    | 4.83                 | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 25RB#0           | 4.486                    | 4.92                 | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 25RB#0           | 4.482                    | 4.92                 | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 50RB#0           | 8.941                    | 9.68                 | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 50RB#0           | 8.935                    | 9.59                 | PASS    |



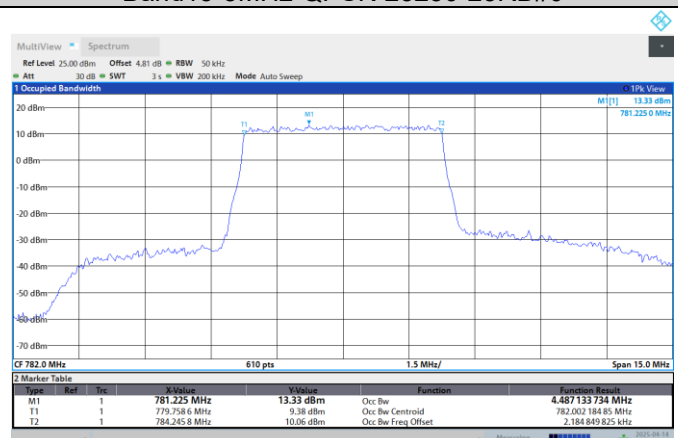
## Test Graphs

### Occupied Bandwidth

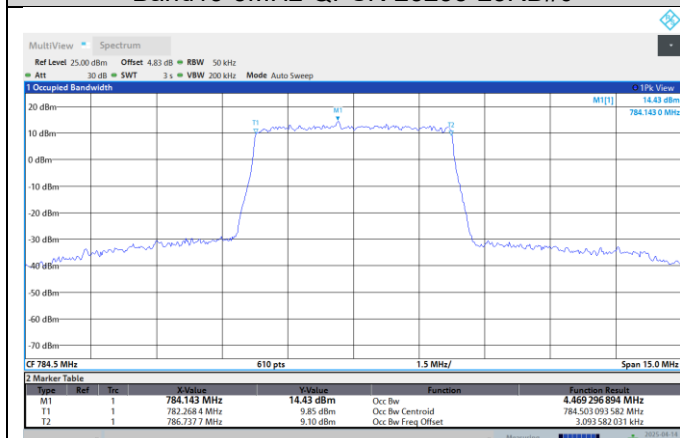
Band13-5MHz-QPSK-23205-25RB#0



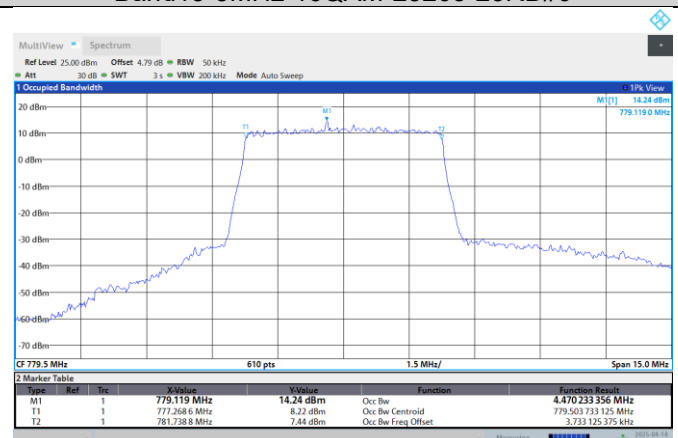
Band13-5MHz-QPSK-23230-25RB#0



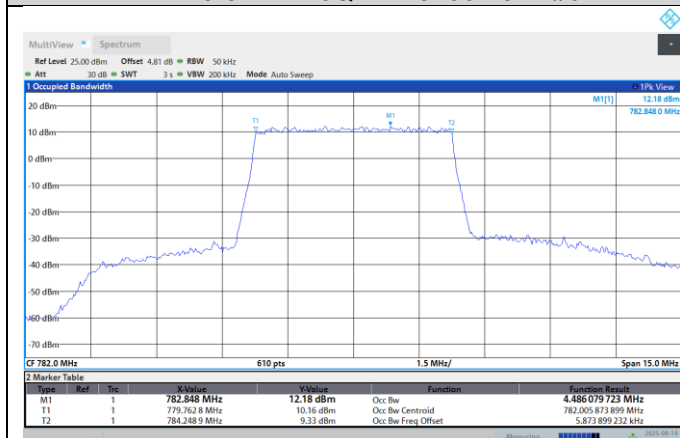
Band13-5MHz-QPSK-23255-25RB#0



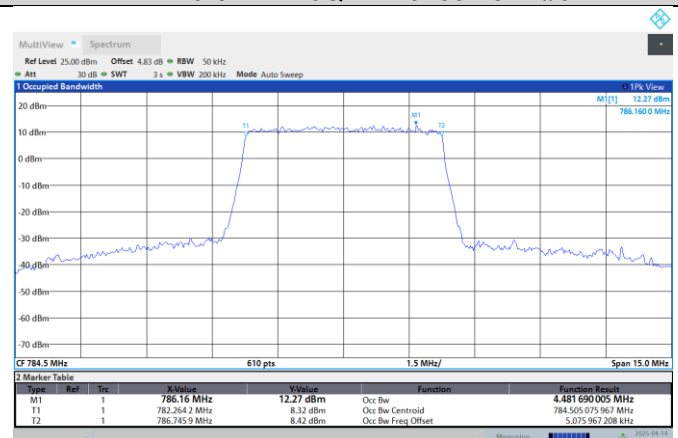
Band13-5MHz-16QAM-23205-25RB#0



Band13-5MHz-16QAM-23230-25RB#0



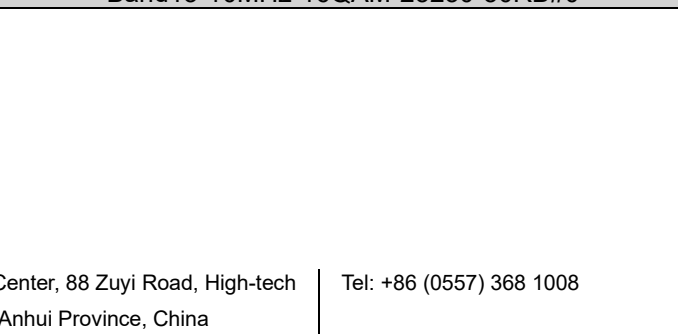
Band13-5MHz-16QAM-23255-25RB#0



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



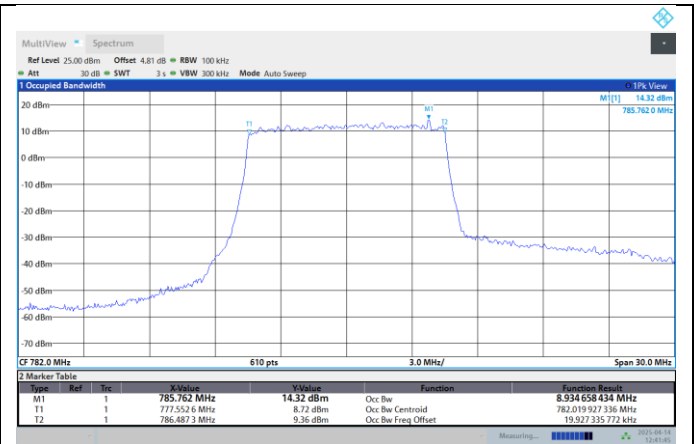
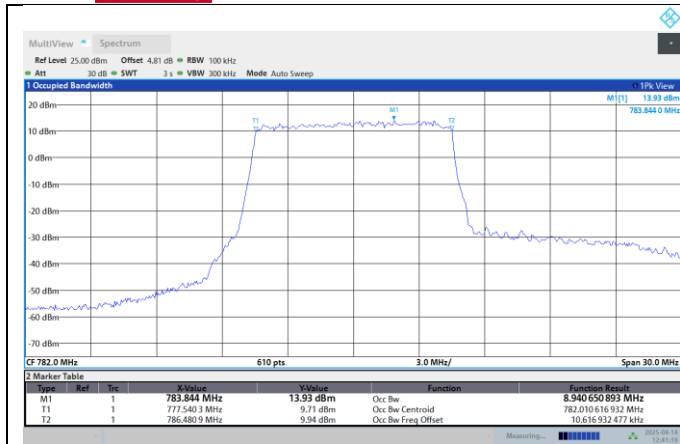
Band13-10MHz-16QAM-23230-50RB#0





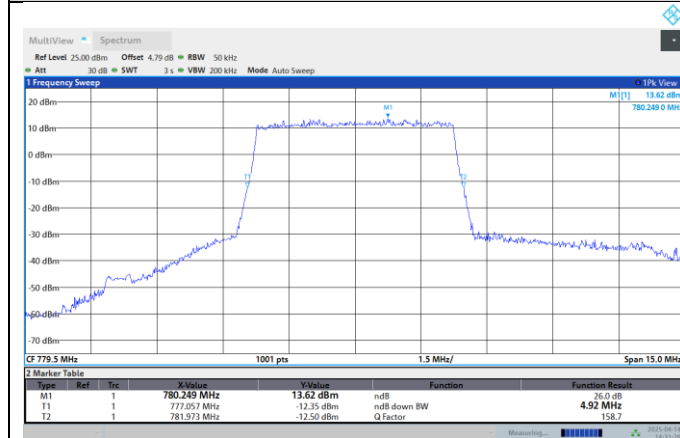
BUREAU  
VERITAS

Test Report No.: PSZ-QSZ2504020109RF03

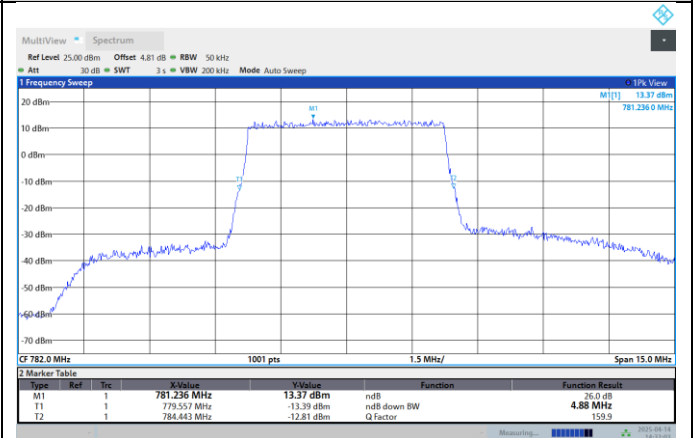


26dB Bandwidth

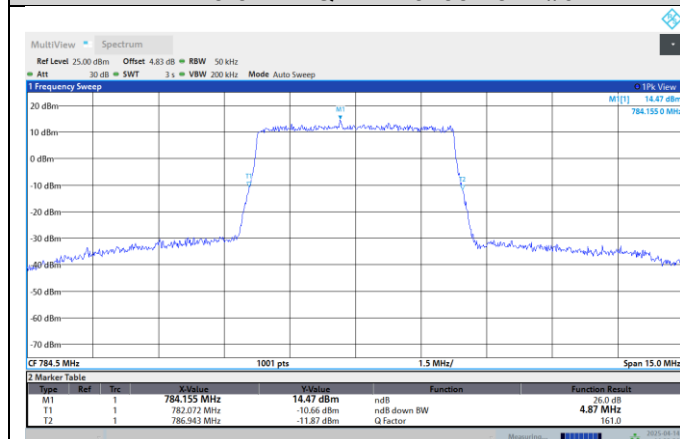
Band13-5MHz-QPSK-23205-25RB#0



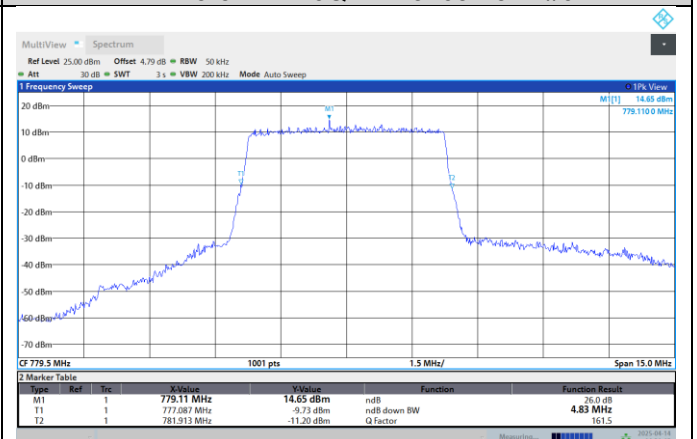
Band13-5MHz-QPSK-23230-25RB#0



Band13-5MHz-QPSK-23255-25RB#0



Band13-5MHz-16QAM-23205-25RB#0



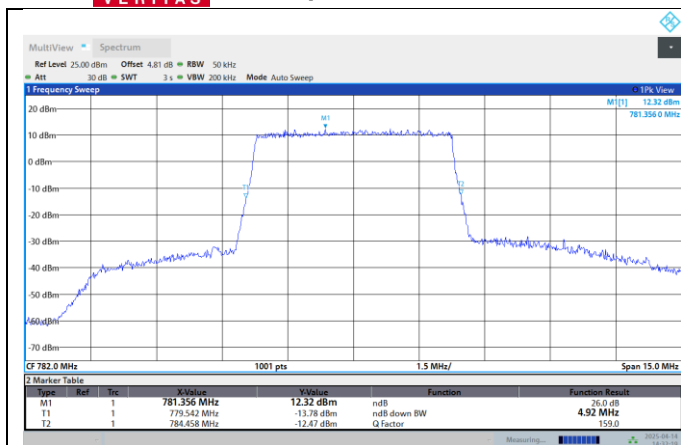
Band13-5MHz-16QAM-23230-25RB#0

Band13-5MHz-16QAM-23255-25RB#0

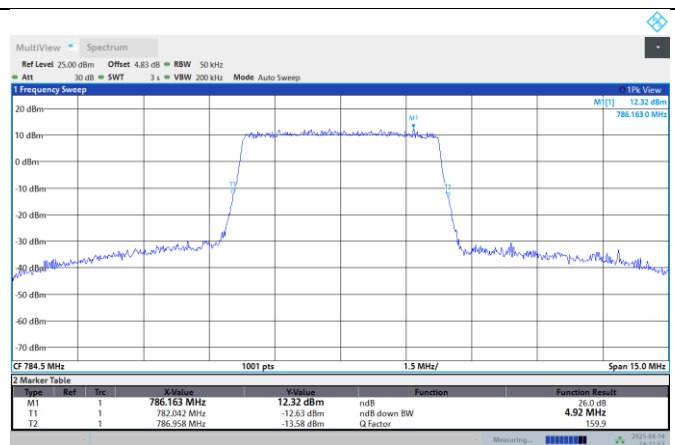


BUREAU  
VERITAS

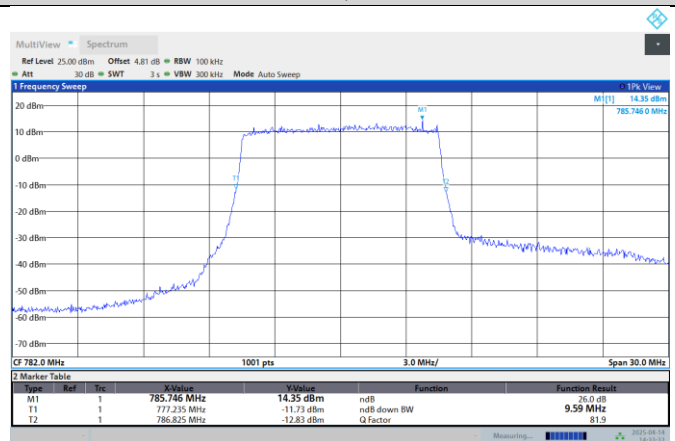
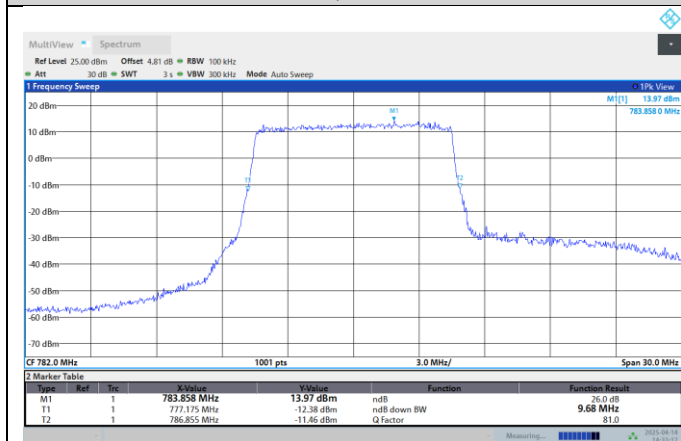
Test Report No.: PSZ-QSZ2504020109RF03



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



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





## BAND EDGE

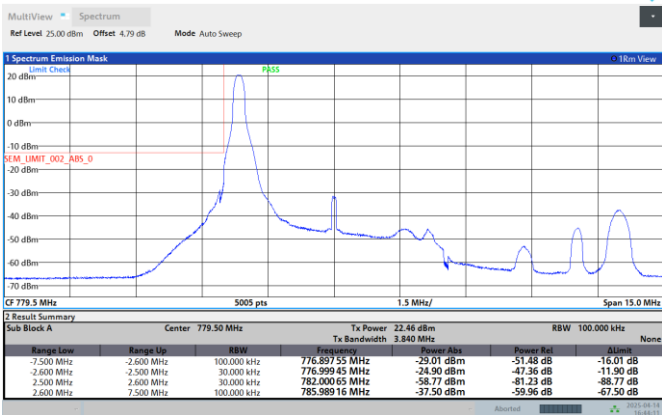
### Test Result

| 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 | 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    |

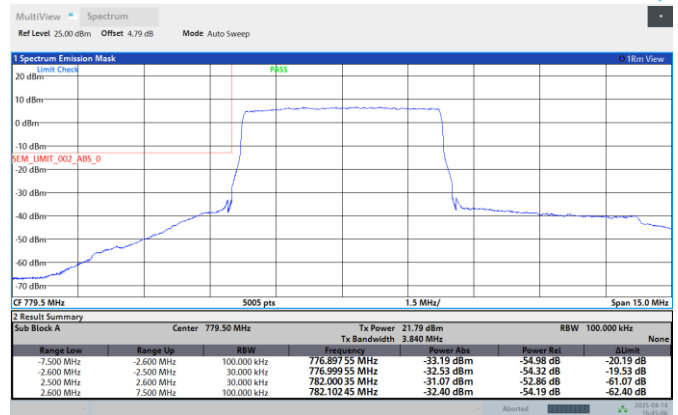


## Test Graphs

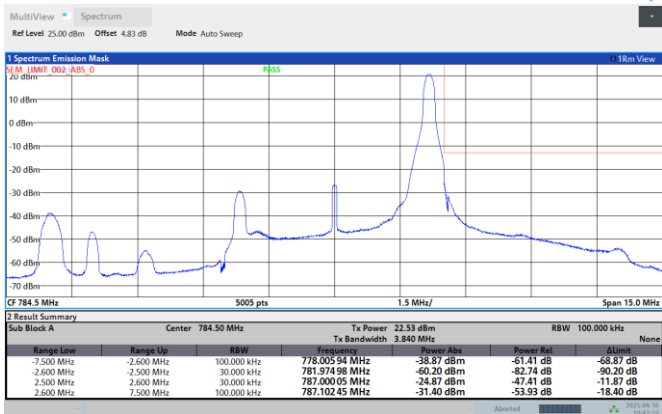
Band13-5MHz-QPSK-23205-1RB#0



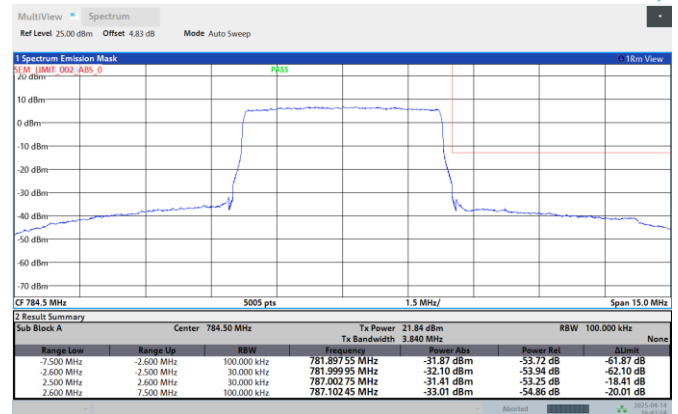
Band13-5MHz-QPSK-23205-25RB#0



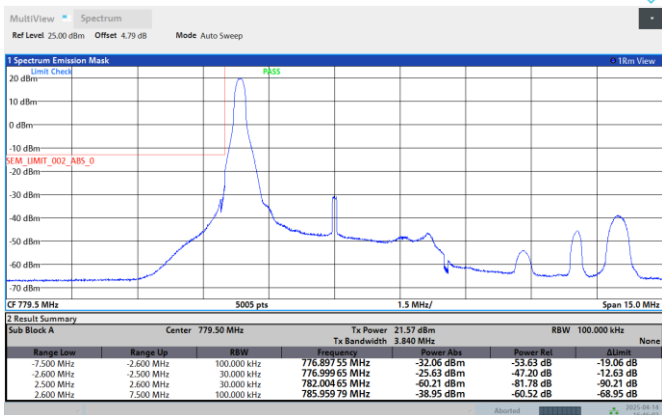
Band13-5MHz-QPSK-23255-1RB#24



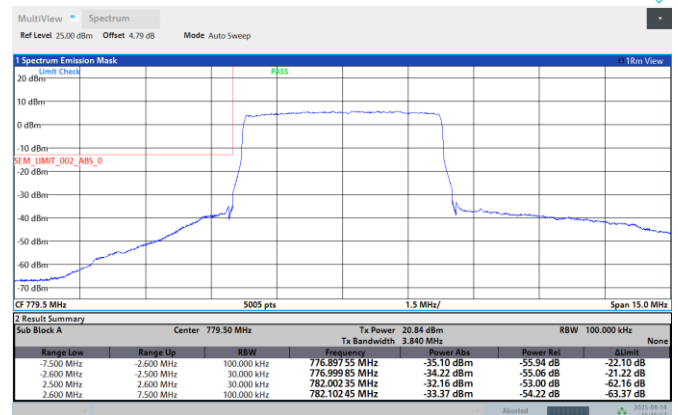
Band13-5MHz-QPSK-23255-25RB#0



Band13-5MHz-16QAM-23205-1RB#0

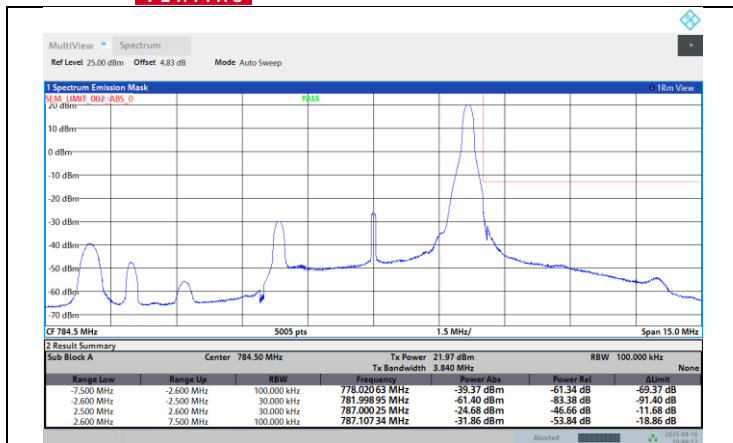


Band13-5MHz-16QAM-23205-25RB#0

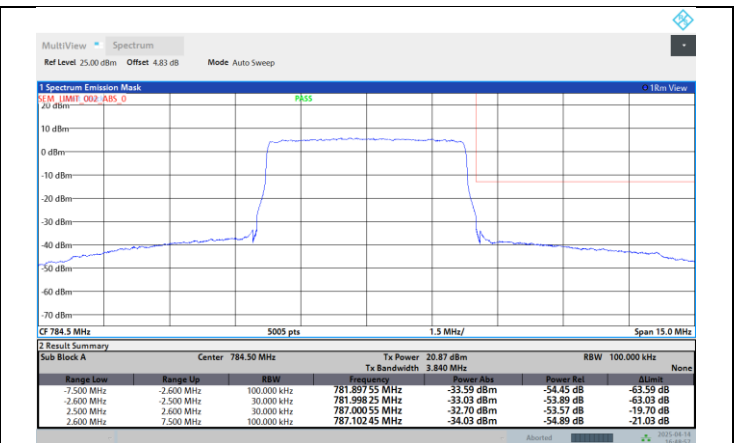


Band13-5MHz-16QAM-23255-1RB#24

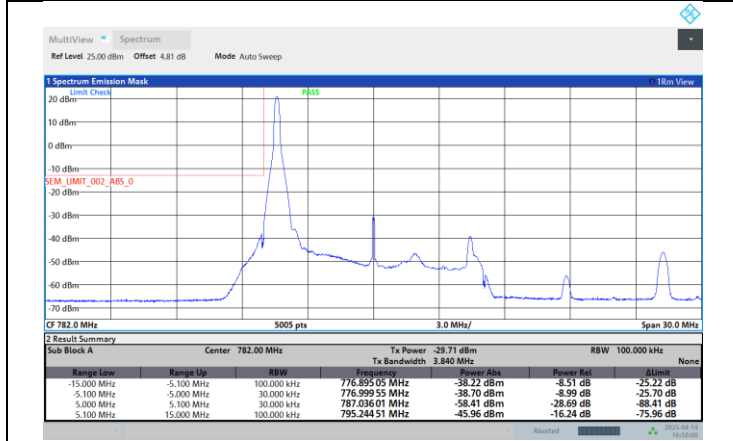
Band13-5MHz-16QAM-23255-25RB#0



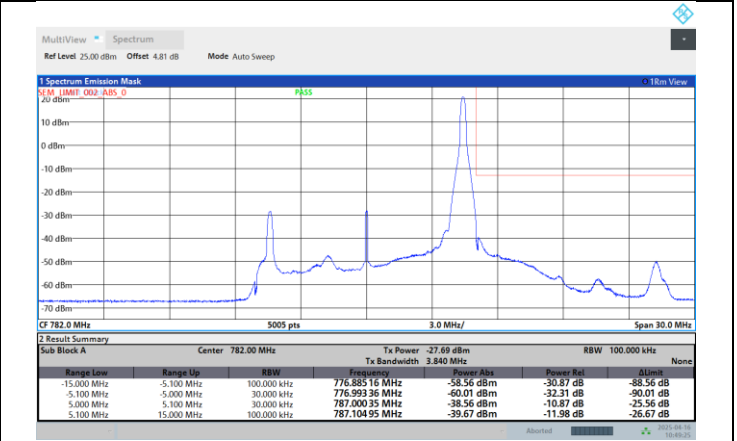
Band13-10MHz-QPSK-23230-1RB#0



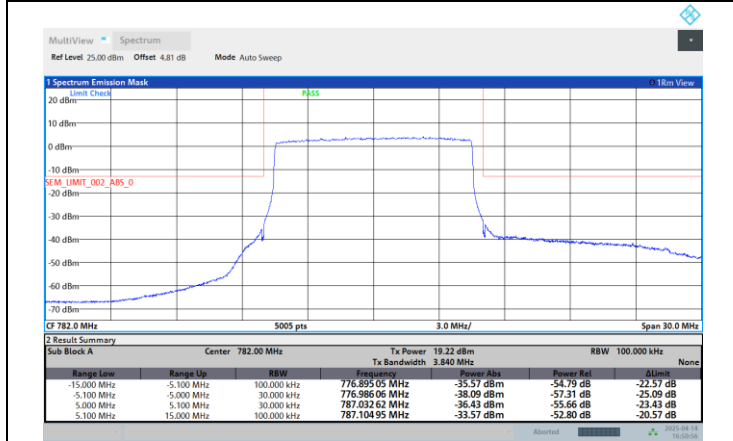
Band13-10MHz-QPSK-23230-1RB#49



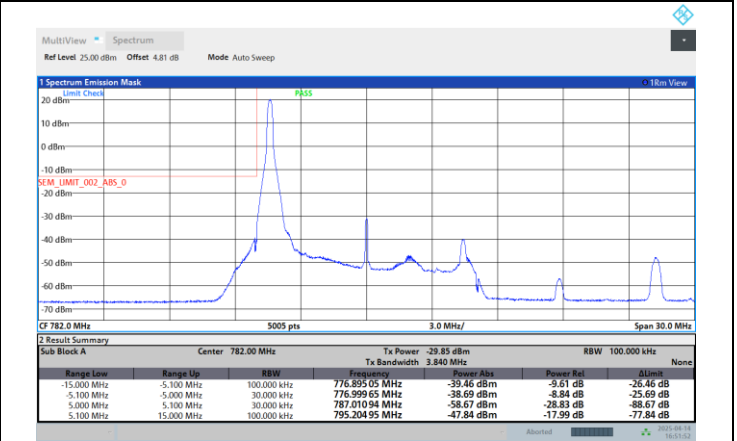
Band13-10MHz-QPSK-23230-50RB#0



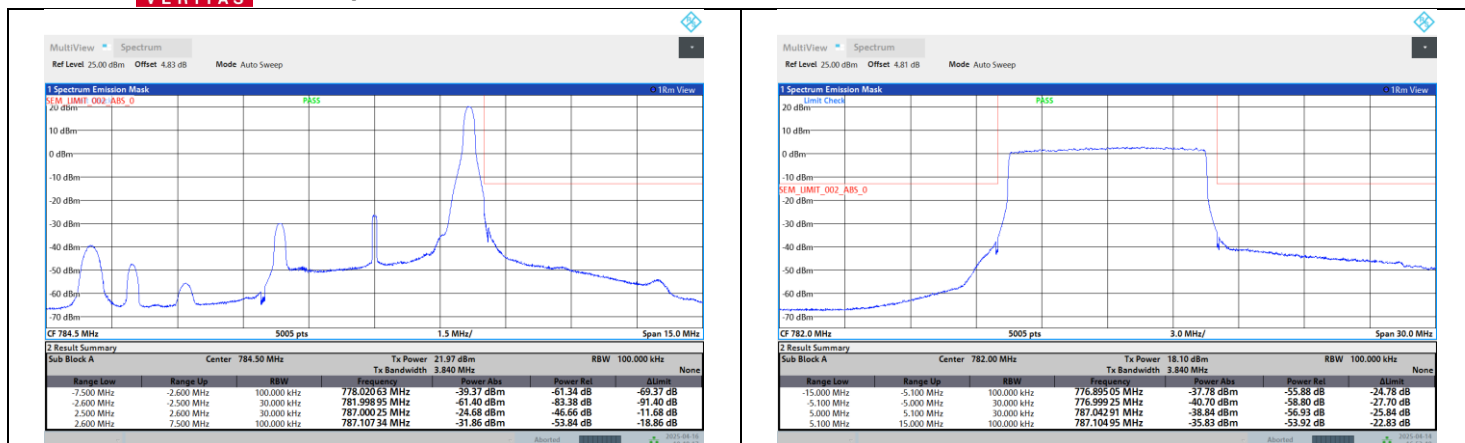
Band13-10MHz-16QAM-23230-1RB#0



Band13-10MHz-16QAM-23230-1RB#49



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





**BUREAU VERITAS** Test Report No.: PSZ-QSZ2504020109RF03  
**CONDUCTED SPURIOUS EMISSION**

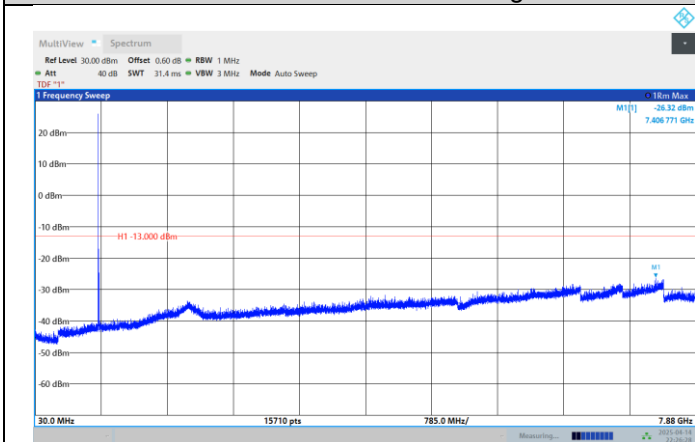
**Test Result**

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range  | Result (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|------------------|--------------|---------|
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | Range:30~7880MHz | See Graph    | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | Range:763~775MHz | See Graph    | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | Range:793~806MHz | See Graph    | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | Range:30~7880MHz | See Graph    | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | Range:763~775MHz | See Graph    | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | Range:793~806MHz | See Graph    | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | Range:30~7880MHz | See Graph    | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | Range:763~775MHz | See Graph    | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | Range:793~806MHz | See Graph    | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 1RB#0            | Range:30~7880MHz | See Graph    | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 1RB#0            | Range:763~775MHz | See Graph    | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 1RB#0            | Range:793~806MHz | See Graph    | PASS    |

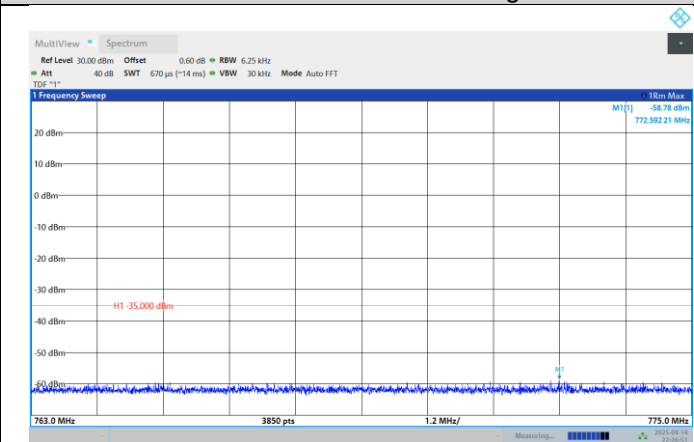


## Test Graphs

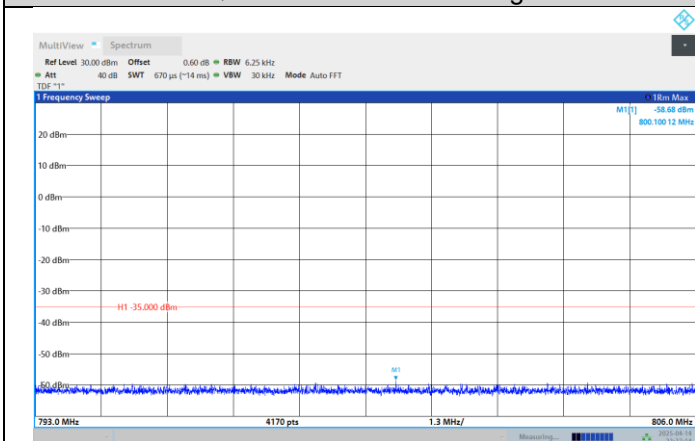
Band13-5MHz-QPSK-23205-1RB#0-Range:30~7880MHz



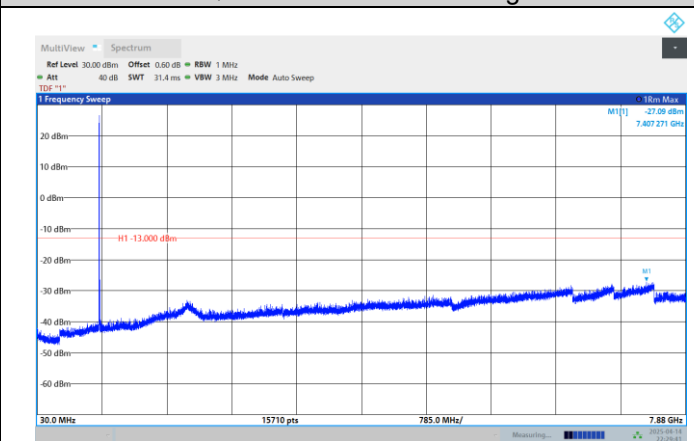
Band13-5MHz-QPSK-23205-1RB#0-Range:763~775MHz



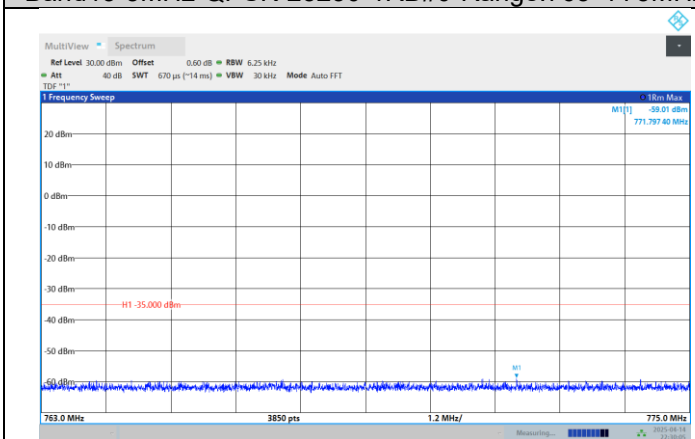
Band13-5MHz-QPSK-23205-1RB#0-Range:793~806MHz



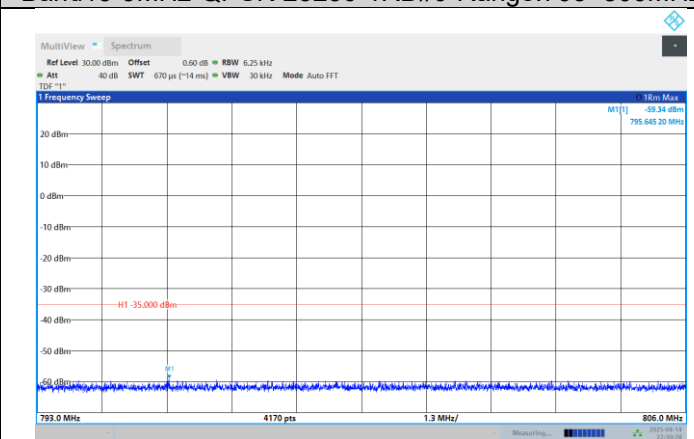
Band13-5MHz-QPSK-23230-1RB#0-Range:30~7870MHz



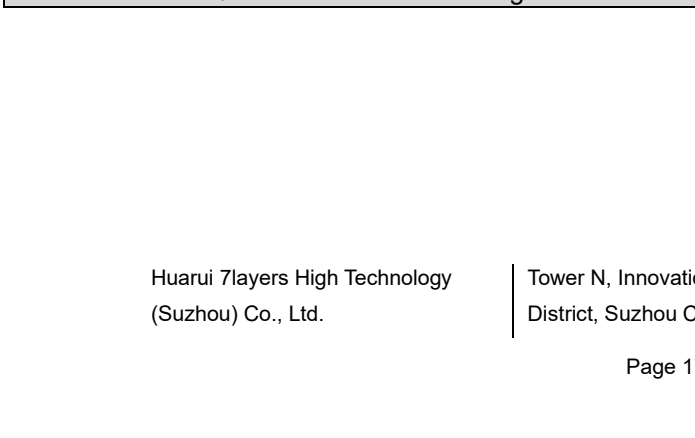
Band13-5MHz-QPSK-23230-1RB#0-Range:763~775MHz



Band13-5MHz-QPSK-23230-1RB#0-Range:793~806MHz



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



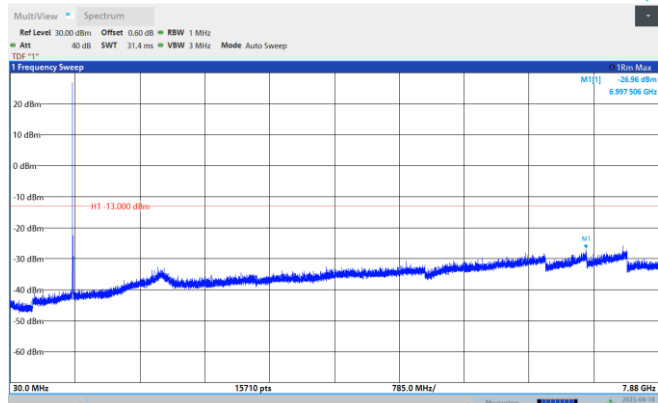
Band13-5MHz-QPSK-23255-1RB#0-Range:763~775MHz



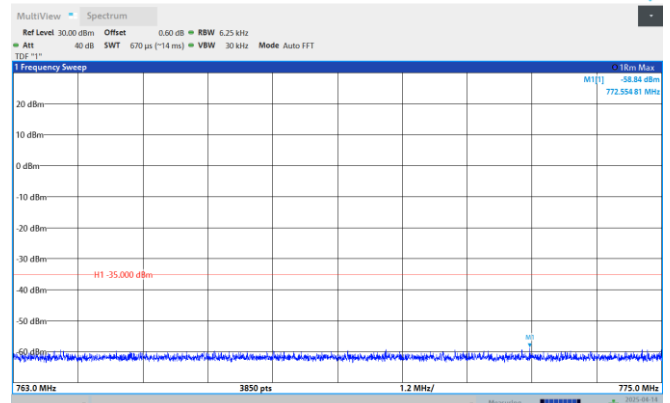


BUREAU  
VERITAS

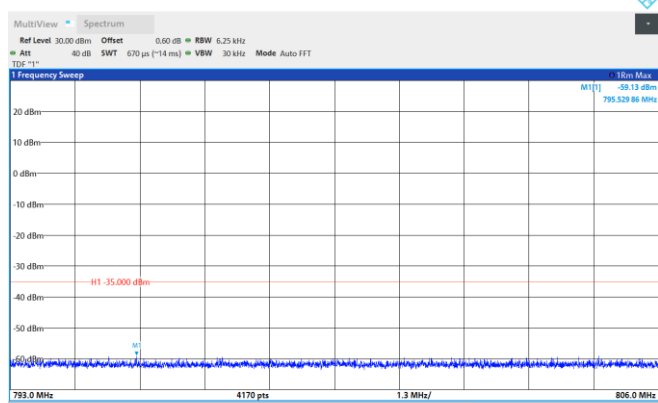
Test Report No.: PSZ-QSZ2504020109RF03



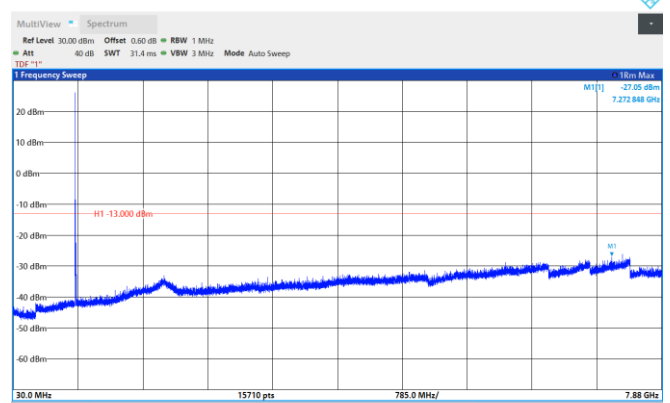
Band13-5MHz-QPSK-23255-1RB#0-Range:793~806MHz



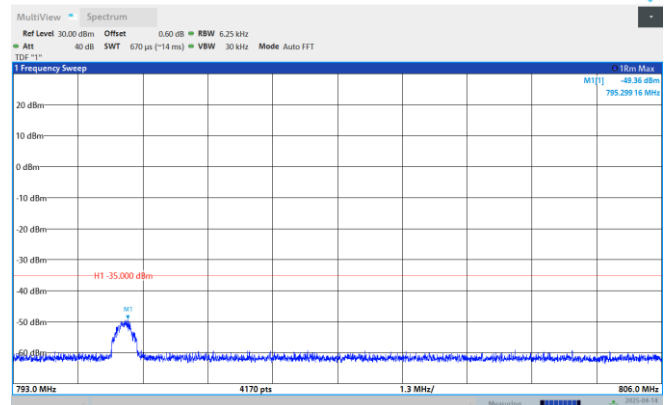
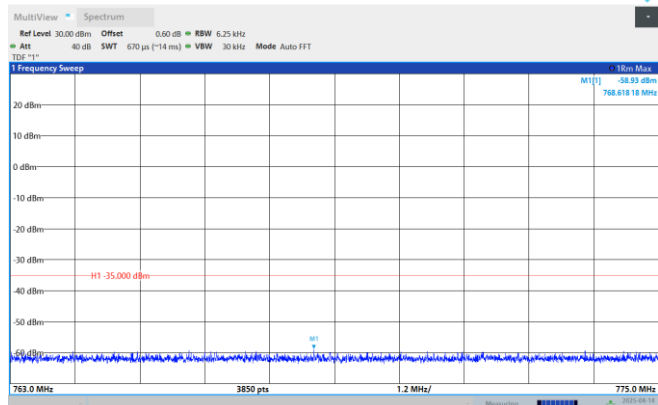
Band13-10MHz-QPSK-23230-1RB#0-  
Range:30~7870MHz



Band13-10MHz-QPSK-23230-1RB#0-  
Range:763~775MHz



Band13-10MHz-QPSK-23230-1RB#0-  
Range:793~806MHz





## 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               | -0.95          | -0.0012         | ±2.5        | PASS    |
| Band13  | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | NT               | -8.95          | -0.0114         | ±2.5        | PASS    |
| Band13  | 10MHz     | QPSK       | 23230   | 50RB#0       | HV            | NT               | -0.23          | -0.0003         | ±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              | 23.64          | 0.0302          | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | -20              | 23.26          | 0.0297          | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | -10              | -5.87          | -0.0075         | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | 0                | -9.45          | -0.0121         | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | 10               | -18.96         | -0.0242         | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | 20               | 12.90          | 0.0165          | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | 30               | -24.27         | -0.0310         | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | 40               | -22.09         | -0.0282         | ±2.5        | PASS    |
| Band13      | 10MHz     | QPSK       | 23230   | 50RB#0       | NV            | 50               | -2.62          | -0.0034         | ±2.5        | PASS    |

### MAX Deviation calculation

| Frequency Stability            | Frequency (MHz) | Limit Line(MHz) | Result |
|--------------------------------|-----------------|-----------------|--------|
| $f_L -  \text{MAX}(\Delta f) $ | 777.5295        | $\geq 777$      | PASS   |
| $f_H +  \text{MAX}(\Delta f) $ | 786.4705        | $\leq 787$      |        |

Note:1.  $|\text{MAX}(\Delta f)|$  = Max Deviation

2.  $f_L$  = Occ low channel  $f_L$ (-13dBm/MHz)

3.  $f_H$  = Occ High channel  $f_H$ (-13dBm/MHz)

4.  $|\text{MAX}(\Delta f)|$  = 24.27Hz.



## LTE BAND71

### PEAK-TO-AVERAGE RATIO(CCDF)

#### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band71 | 5MHz      | QPSK       | 133147  | 1RB#0            | 3.30       | 13        | PASS    |
| Band71 | 5MHz      | QPSK       | 133147  | 25RB#0           | 4.24       | 13        | PASS    |
| Band71 | 5MHz      | QPSK       | 133297  | 1RB#0            | 3.50       | 13        | PASS    |
| Band71 | 5MHz      | QPSK       | 133297  | 25RB#0           | 4.24       | 13        | PASS    |
| Band71 | 5MHz      | QPSK       | 133447  | 1RB#0            | 3.30       | 13        | PASS    |
| Band71 | 5MHz      | QPSK       | 133447  | 25RB#0           | 4.24       | 13        | PASS    |
| Band71 | 5MHz      | 16QAM      | 133147  | 1RB#0            | 4.42       | 13        | PASS    |
| Band71 | 5MHz      | 16QAM      | 133147  | 25RB#0           | 5.18       | 13        | PASS    |
| Band71 | 5MHz      | 16QAM      | 133297  | 1RB#0            | 3.86       | 13        | PASS    |
| Band71 | 5MHz      | 16QAM      | 133297  | 25RB#0           | 5.26       | 13        | PASS    |
| Band71 | 5MHz      | 16QAM      | 133447  | 1RB#0            | 4.24       | 13        | PASS    |
| Band71 | 5MHz      | 16QAM      | 133447  | 25RB#0           | 5.26       | 13        | PASS    |
| Band71 | 10MHz     | QPSK       | 133172  | 1RB#0            | 3.20       | 13        | PASS    |
| Band71 | 10MHz     | QPSK       | 133172  | 50RB#0           | 4.24       | 13        | PASS    |
| Band71 | 10MHz     | QPSK       | 133297  | 1RB#0            | 3.30       | 13        | PASS    |
| Band71 | 10MHz     | QPSK       | 133297  | 50RB#0           | 4.14       | 13        | PASS    |
| Band71 | 10MHz     | QPSK       | 133422  | 1RB#0            | 3.30       | 13        | PASS    |
| Band71 | 10MHz     | QPSK       | 133422  | 50RB#0           | 4.14       | 13        | PASS    |
| Band71 | 10MHz     | 16QAM      | 133172  | 1RB#0            | 3.96       | 13        | PASS    |
| Band71 | 10MHz     | 16QAM      | 133172  | 50RB#0           | 5.26       | 13        | PASS    |
| Band71 | 10MHz     | 16QAM      | 133297  | 1RB#0            | 3.78       | 13        | PASS    |
| Band71 | 10MHz     | 16QAM      | 133297  | 50RB#0           | 5.08       | 13        | PASS    |
| Band71 | 10MHz     | 16QAM      | 133422  | 1RB#0            | 4.24       | 13        | PASS    |
| Band71 | 10MHz     | 16QAM      | 133422  | 50RB#0           | 5.26       | 13        | PASS    |
| Band71 | 15MHz     | QPSK       | 133197  | 1RB#0            | 3.30       | 13        | PASS    |
| Band71 | 15MHz     | QPSK       | 133197  | 75RB#0           | 4.14       | 13        | PASS    |
| Band71 | 15MHz     | QPSK       | 133297  | 1RB#0            | 3.30       | 13        | PASS    |
| Band71 | 15MHz     | QPSK       | 133297  | 75RB#0           | 4.24       | 13        | PASS    |
| Band71 | 15MHz     | QPSK       | 133397  | 1RB#0            | 3.40       | 13        | PASS    |
| Band71 | 15MHz     | QPSK       | 133397  | 75RB#0           | 4.24       | 13        | PASS    |
| Band71 | 15MHz     | 16QAM      | 133197  | 1RB#0            | 4.06       | 13        | PASS    |
| Band71 | 15MHz     | 16QAM      | 133197  | 75RB#0           | 5.36       | 13        | PASS    |
| Band71 | 15MHz     | 16QAM      | 133297  | 1RB#0            | 3.86       | 13        | PASS    |
| Band71 | 15MHz     | 16QAM      | 133297  | 75RB#0           | 5.28       | 13        | PASS    |
| Band71 | 15MHz     | 16QAM      | 133397  | 1RB#0            | 4.52       | 13        | PASS    |
| Band71 | 15MHz     | 16QAM      | 133397  | 75RB#0           | 5.26       | 13        | PASS    |
| Band71 | 20MHz     | QPSK       | 133222  | 1RB#0            | 3.40       | 13        | PASS    |
| Band71 | 20MHz     | QPSK       | 133222  | 100RB#0          | 4.24       | 13        | PASS    |
| Band71 | 20MHz     | QPSK       | 133297  | 1RB#0            | 3.30       | 13        | PASS    |
| Band71 | 20MHz     | QPSK       | 133297  | 100RB#0          | 4.24       | 13        | PASS    |
| Band71 | 20MHz     | QPSK       | 133372  | 1RB#0            | 3.50       | 13        | PASS    |
| Band71 | 20MHz     | QPSK       | 133372  | 100RB#0          | 4.24       | 13        | PASS    |
| Band71 | 20MHz     | 16QAM      | 133222  | 1RB#0            | 4.14       | 13        | PASS    |
| Band71 | 20MHz     | 16QAM      | 133222  | 100RB#0          | 5.18       | 13        | PASS    |
| Band71 | 20MHz     | 16QAM      | 133297  | 1RB#0            | 4.90       | 13        | PASS    |
| Band71 | 20MHz     | 16QAM      | 133297  | 100RB#0          | 5.36       | 13        | PASS    |



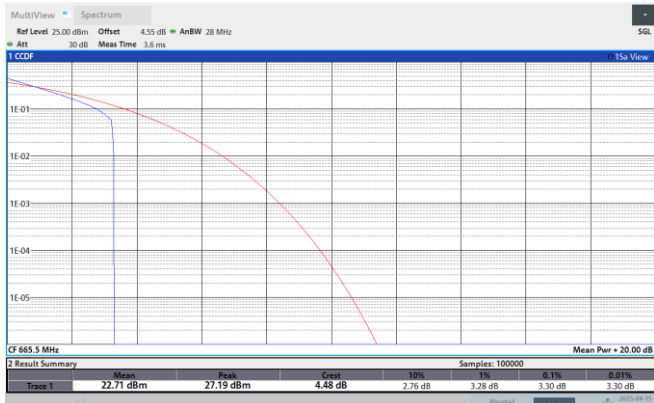
**Test Report No.: PSZ-QSZ2504020109RF03**

|        |       |       |        |         |      |    |      |
|--------|-------|-------|--------|---------|------|----|------|
| Band71 | 20MHz | 16QAM | 133372 | 1RB#0   | 4.14 | 13 | PASS |
| Band71 | 20MHz | 16QAM | 133372 | 100RB#0 | 5.26 | 13 | PASS |

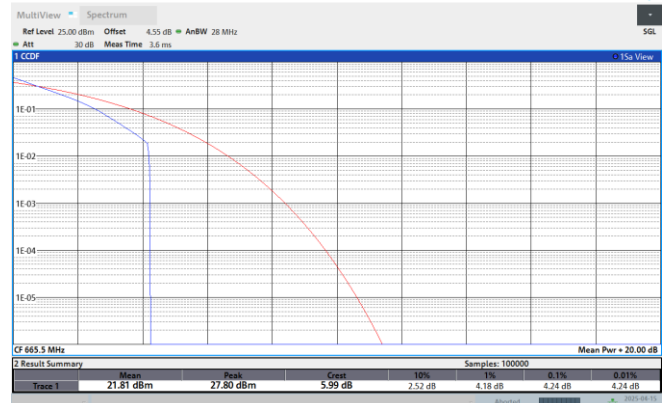


## Test Graphs

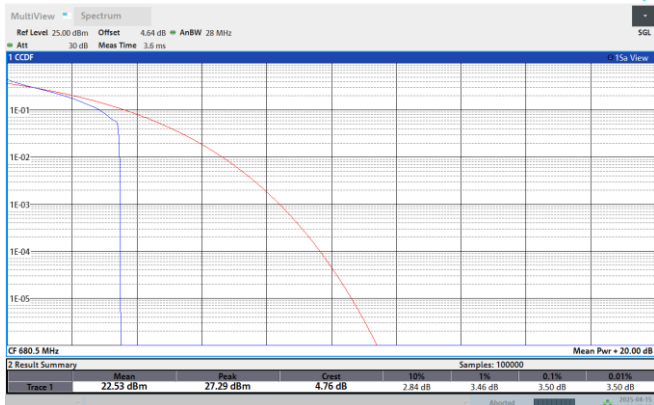
Band71-5MHz-QPSK-133147-1RB#0



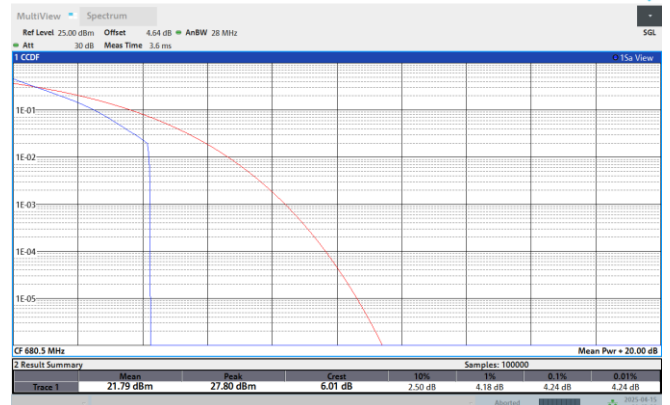
Band71-5MHz-QPSK-133147-25RB#0



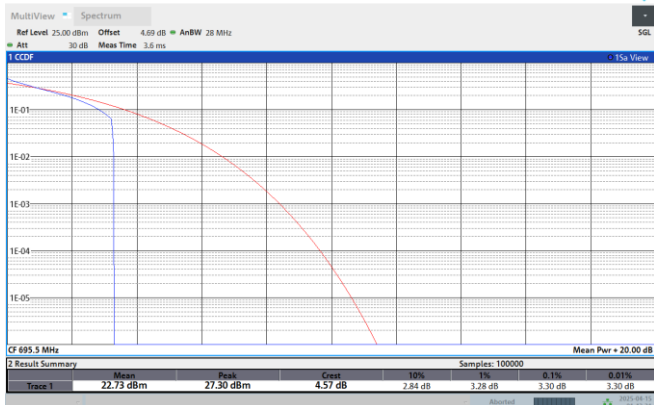
Band71-5MHz-QPSK-133297-1RB#0



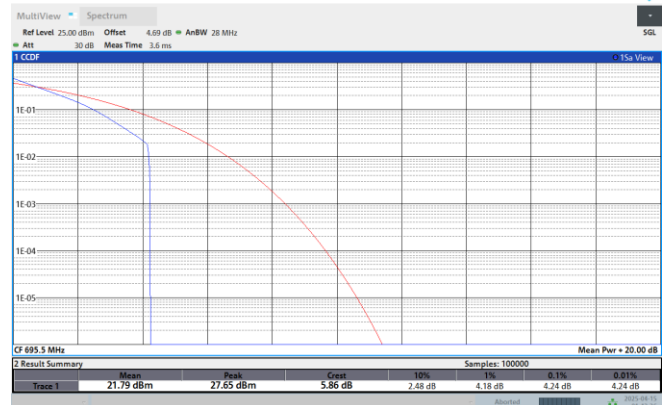
Band71-5MHz-QPSK-133297-25RB#0



Band71-5MHz-QPSK-133447-1RB#0

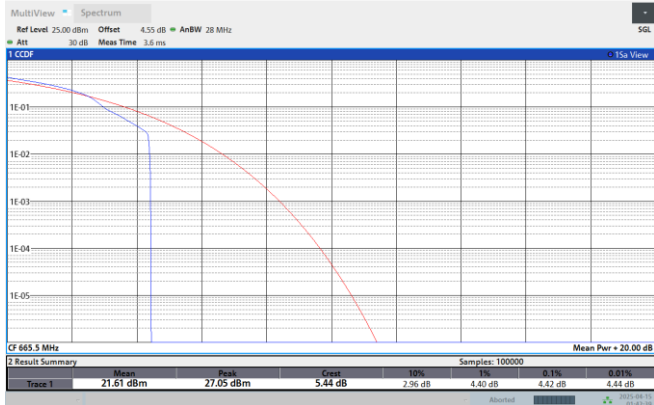


Band71-3MHz-QPSK-133447-25RB#0

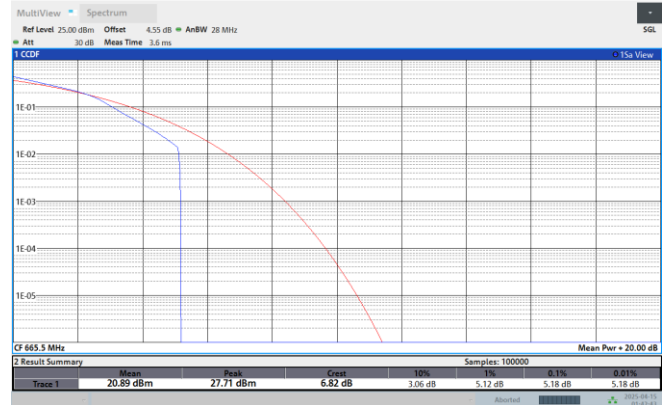


Band71-5MHz-16QAM-133147-1RB#0

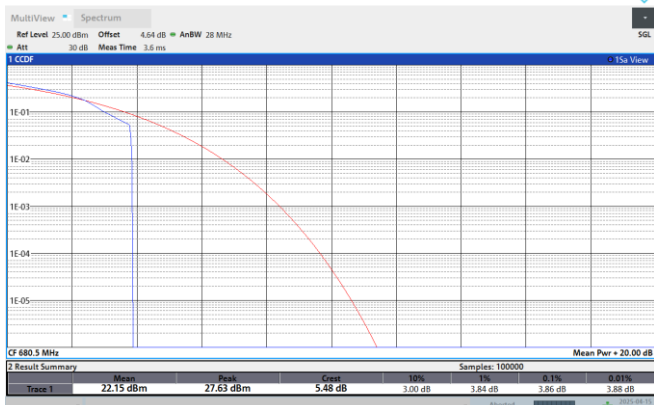
Band71-5MHz-16QAM-133147-25RB#0



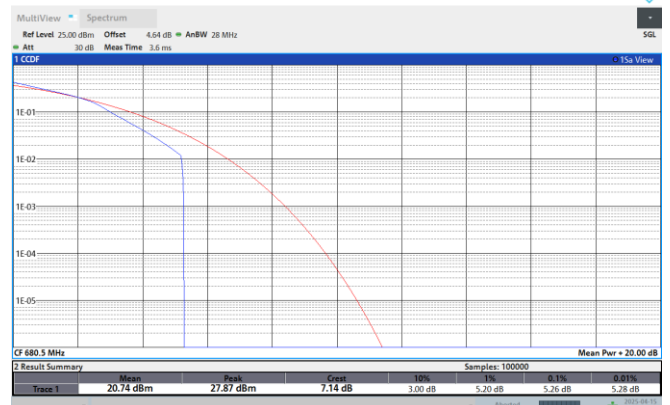
Band71-5MHz-16QAM-133297-1RB#0



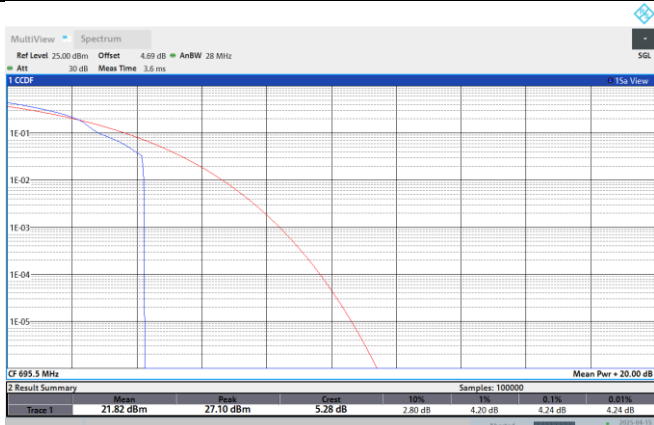
Band71-5MHz-16QAM-133297-25RB#0



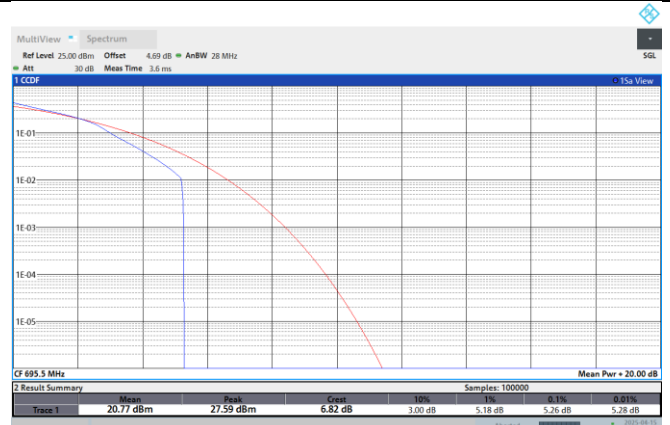
Band71-5MHz-16QAM-133447-1RB#0



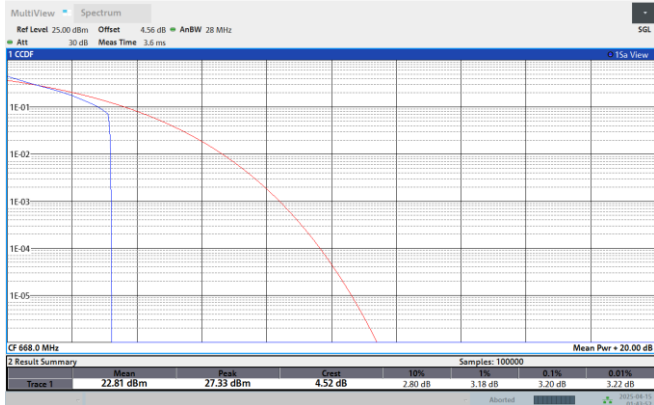
Band71-5MHz-16QAM-133447-25RB#0



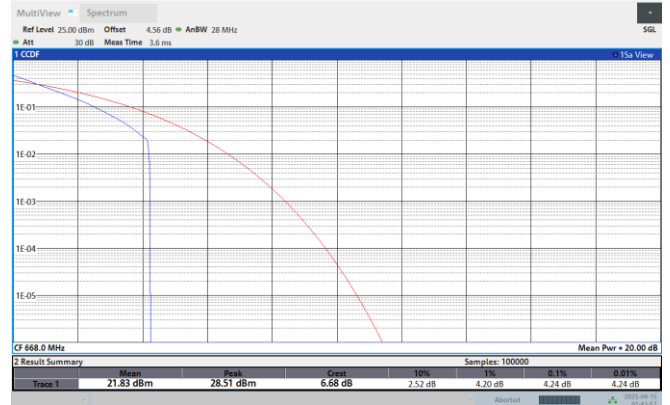
Band71-10MHz-QPSK-133172-1RB#0



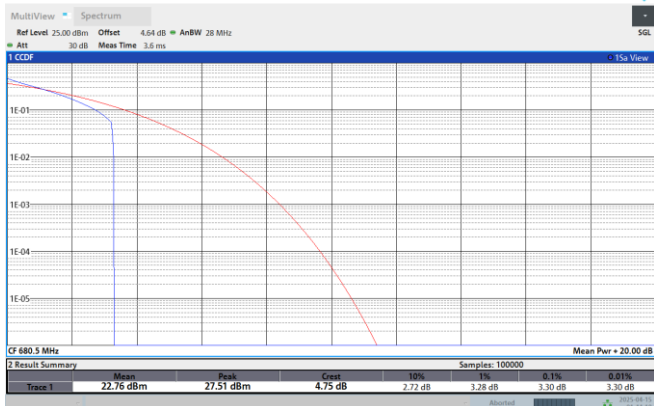
Band71-10MHz-QPSK-133172-50RB#0



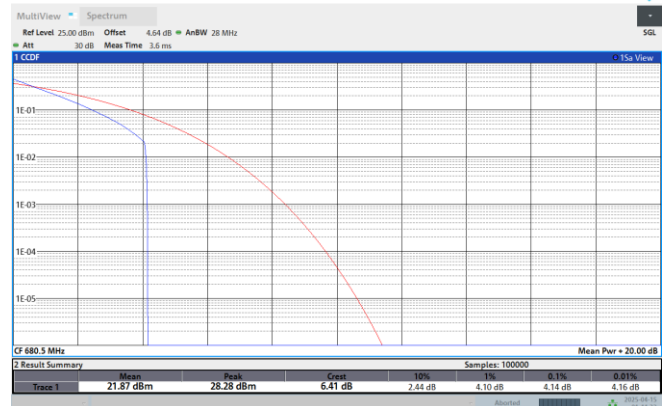
Band71-10MHz-QPSK-133297-1RB#0



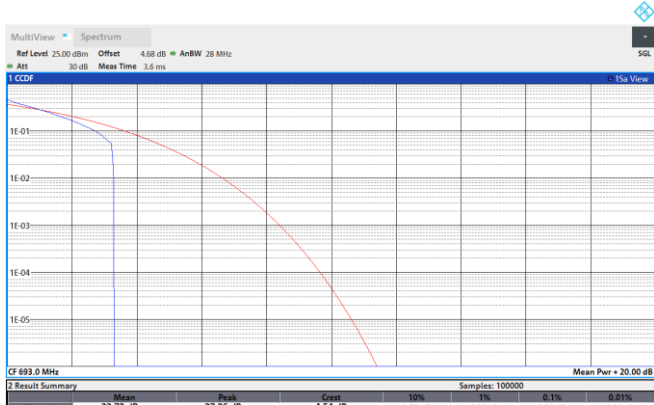
Band71-10MHz-QPSK-133297-50RB#0



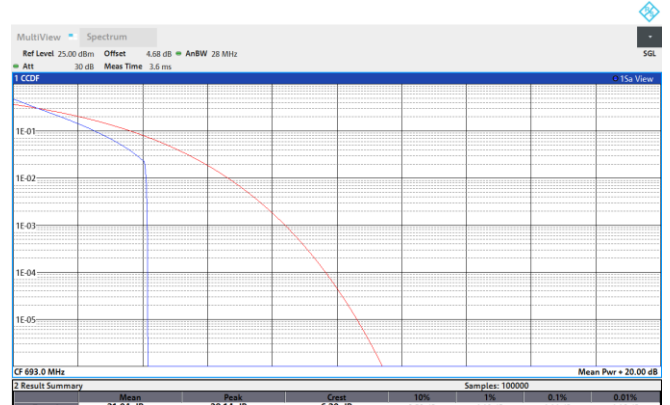
Band71-10MHz-QPSK-133422-1RB#0



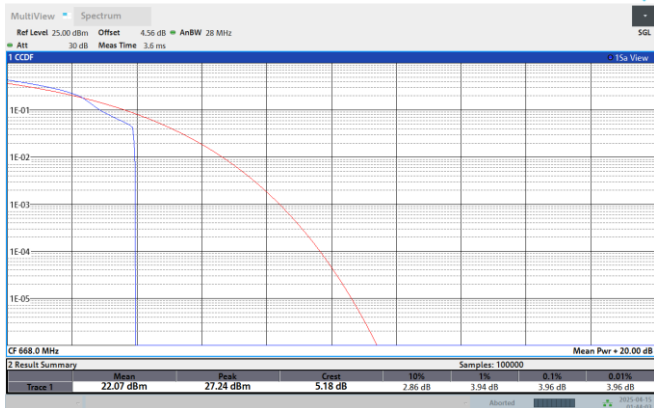
Band71-10MHz-QPSK-133422-50RB#0



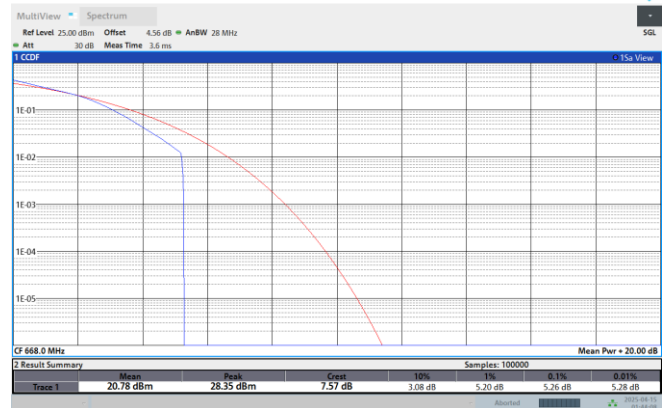
Band71-10MHz-16QAM-133172-1RB#0



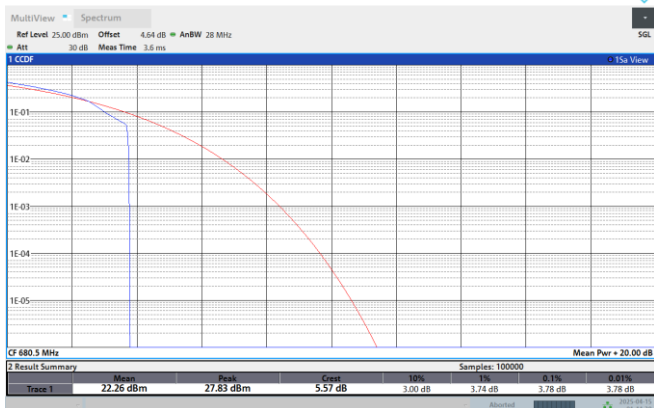
Band71-10MHz-16QAM-133172-50RB#0



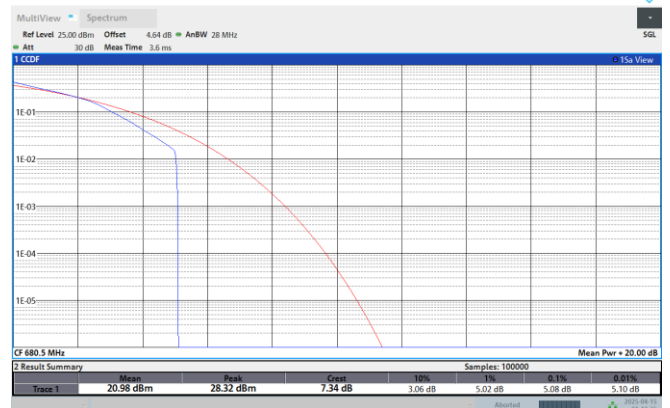
Band71-10MHz-16QAM-133297-1RB#0



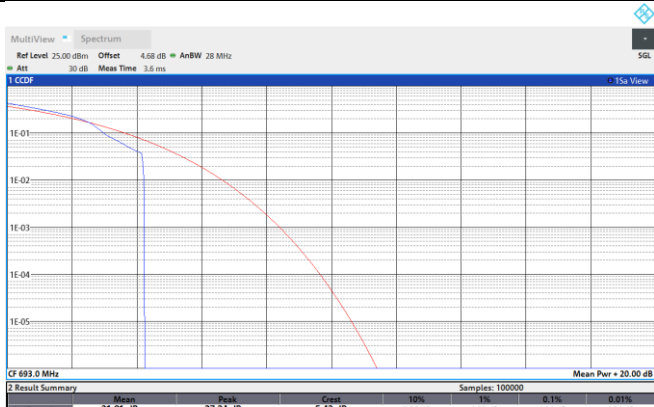
Band71-10MHz-16QAM-133297-50RB#0



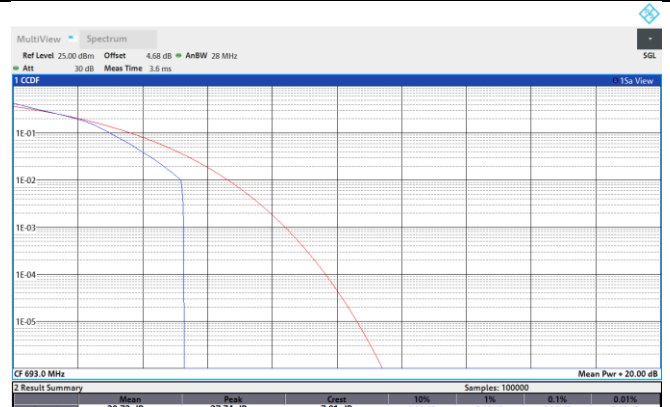
Band71-10MHz-16QAM-133422-1RB#0



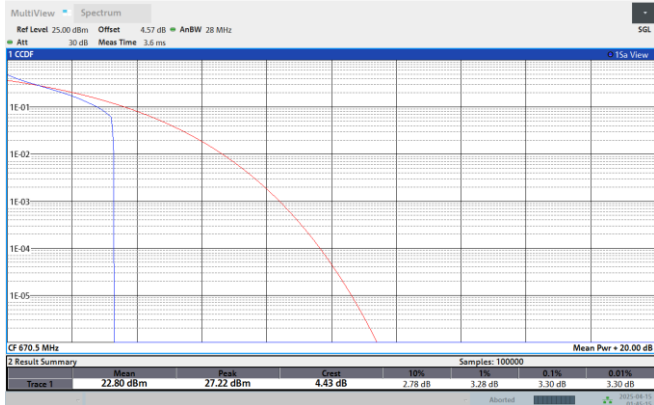
Band71-10MHz-16QAM-133422-6RB#0



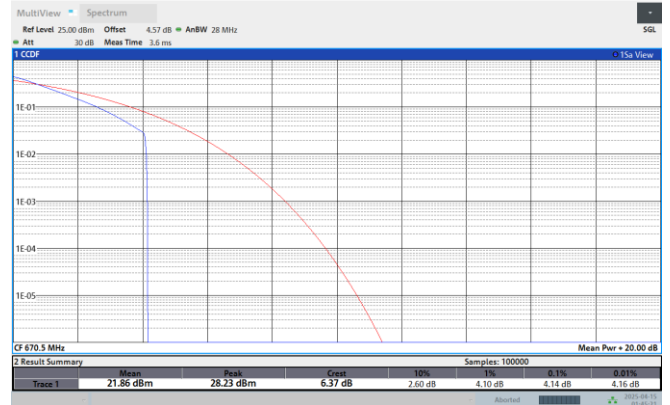
Band71-15MHz-QPSK-133197-1RB#0



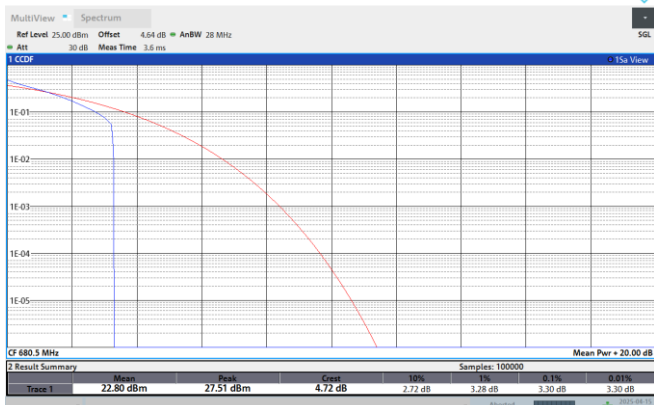
Band71-15MHz-QPSK-133197-75RB#0



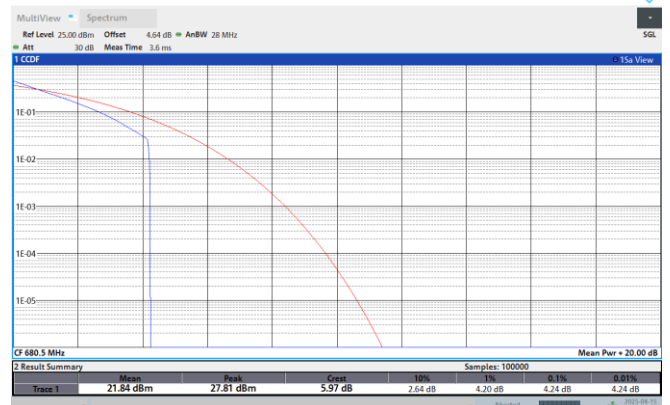
Band71-15MHz-QPSK-133297-1RB#0



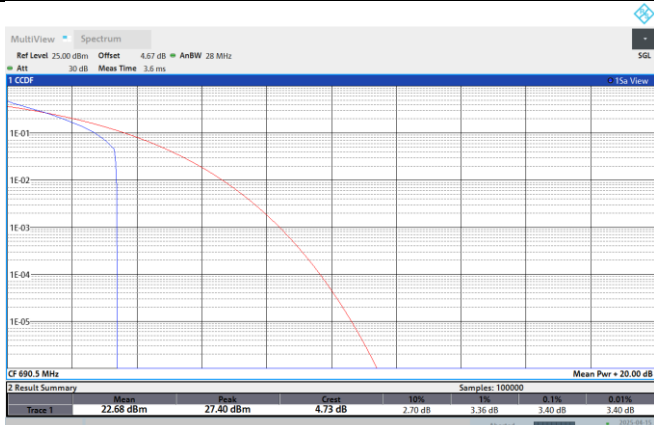
Band71-15MHz-QPSK-133297-75RB#0



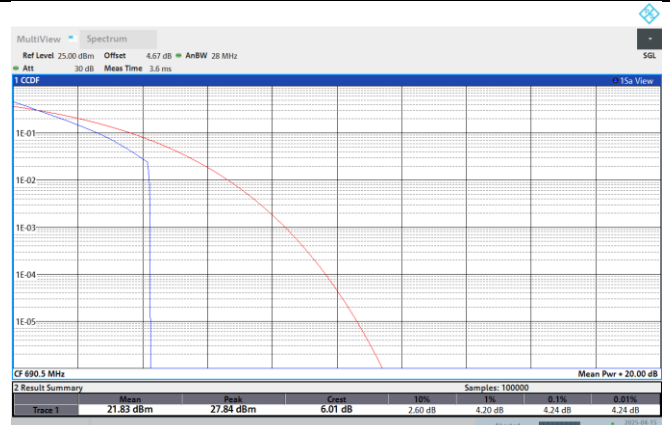
Band71-15MHz-QPSK-133397-1RB#0



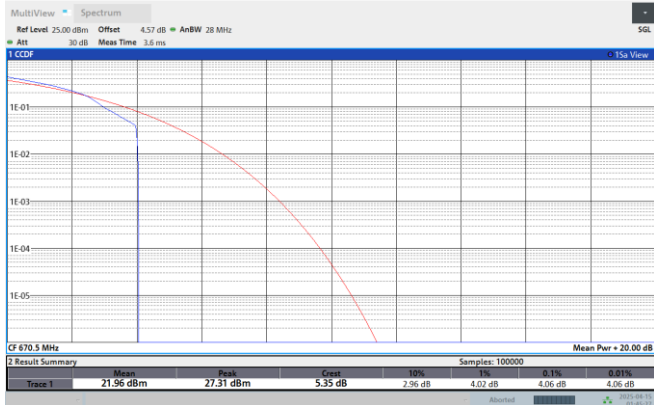
Band71-15MHz-QPSK-133397-75RB#0



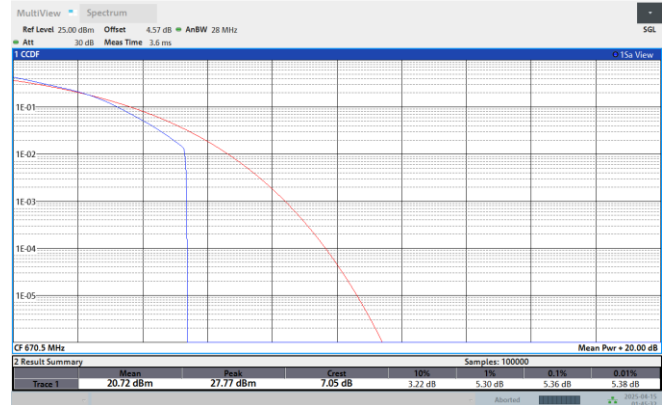
Band71-15MHz-16QAM-133197-1RB#0



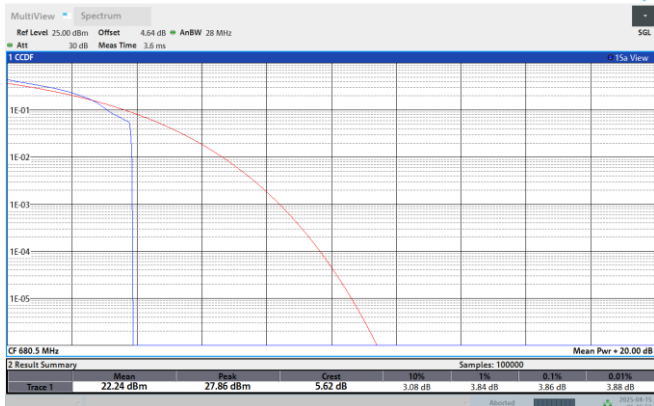
Band71-15MHz-16QAM-133197-75RB#0



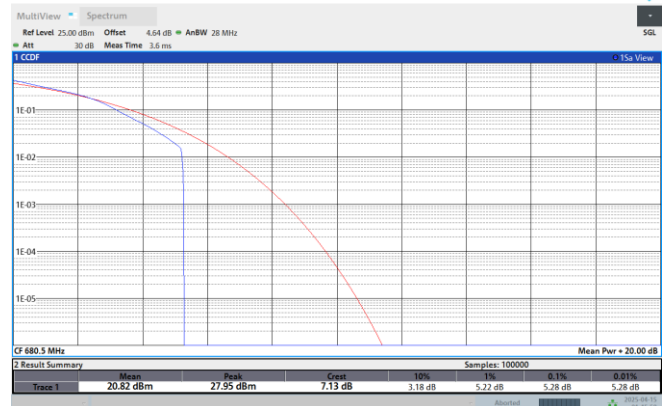
Band71-15MHz-16QAM-133297-1RB#0



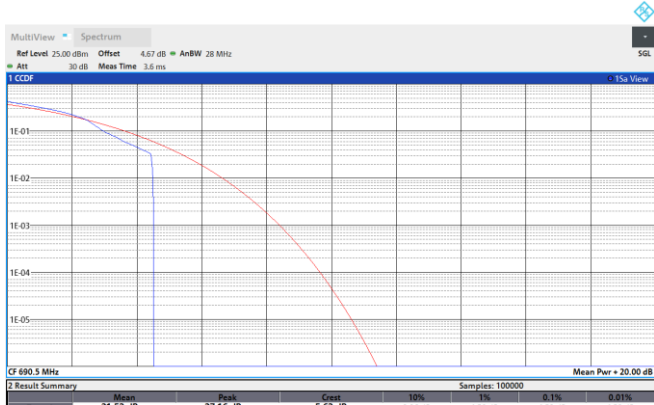
Band71-15MHz-16QAM-133297-75RB#0



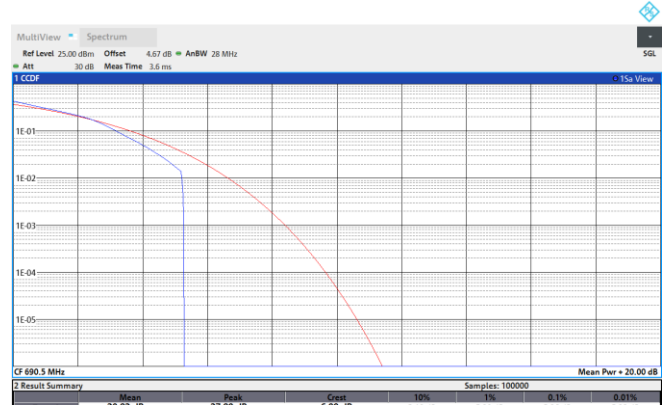
Band71-15MHz-16QAM-133397-1RB#0



Band71-15MHz-16QAM-133397-75RB#0



Band71-20MHz-QPSK-133222-1RB#0



Band71-20MHz-QPSK-133222-100RB#0