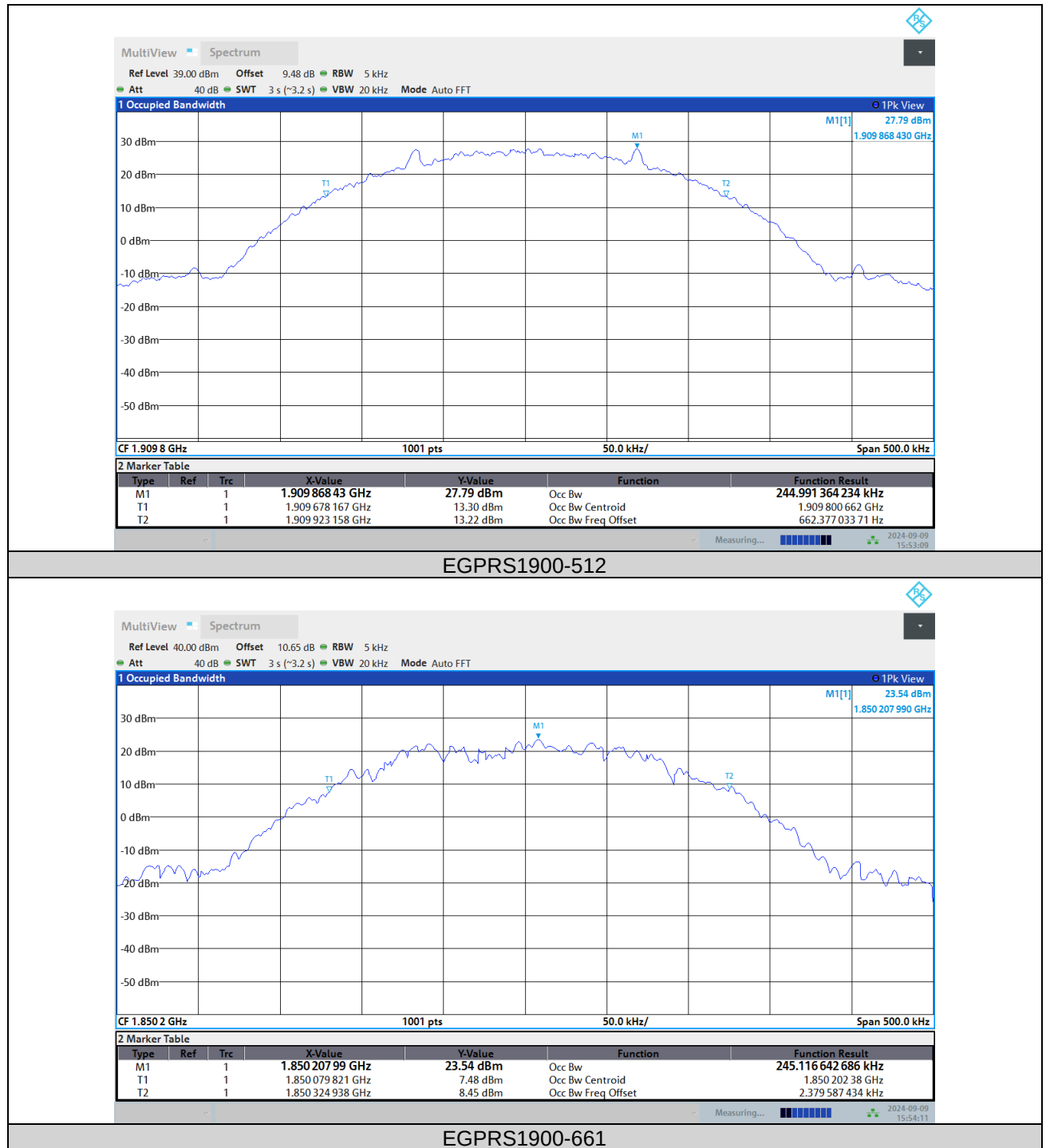
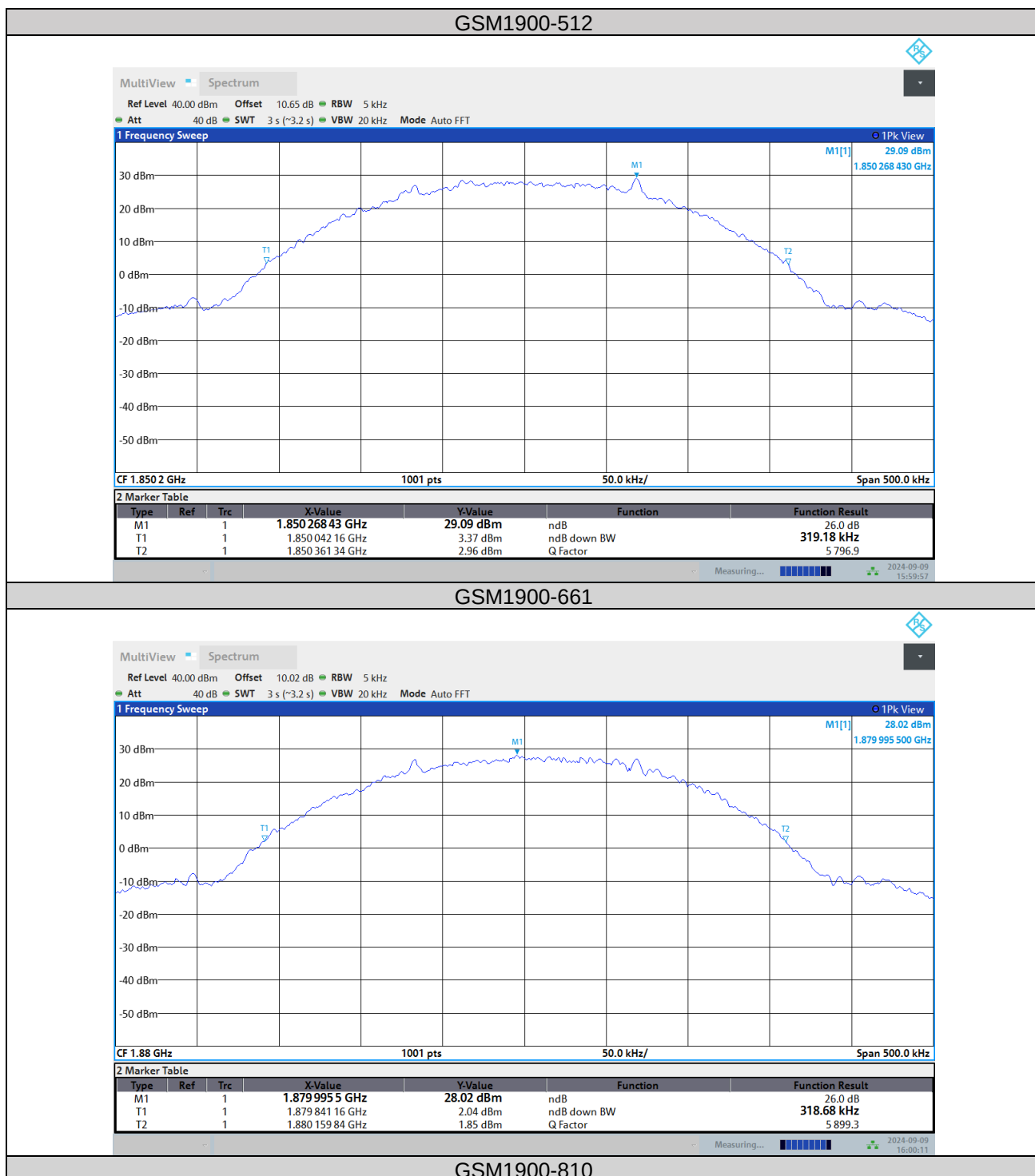
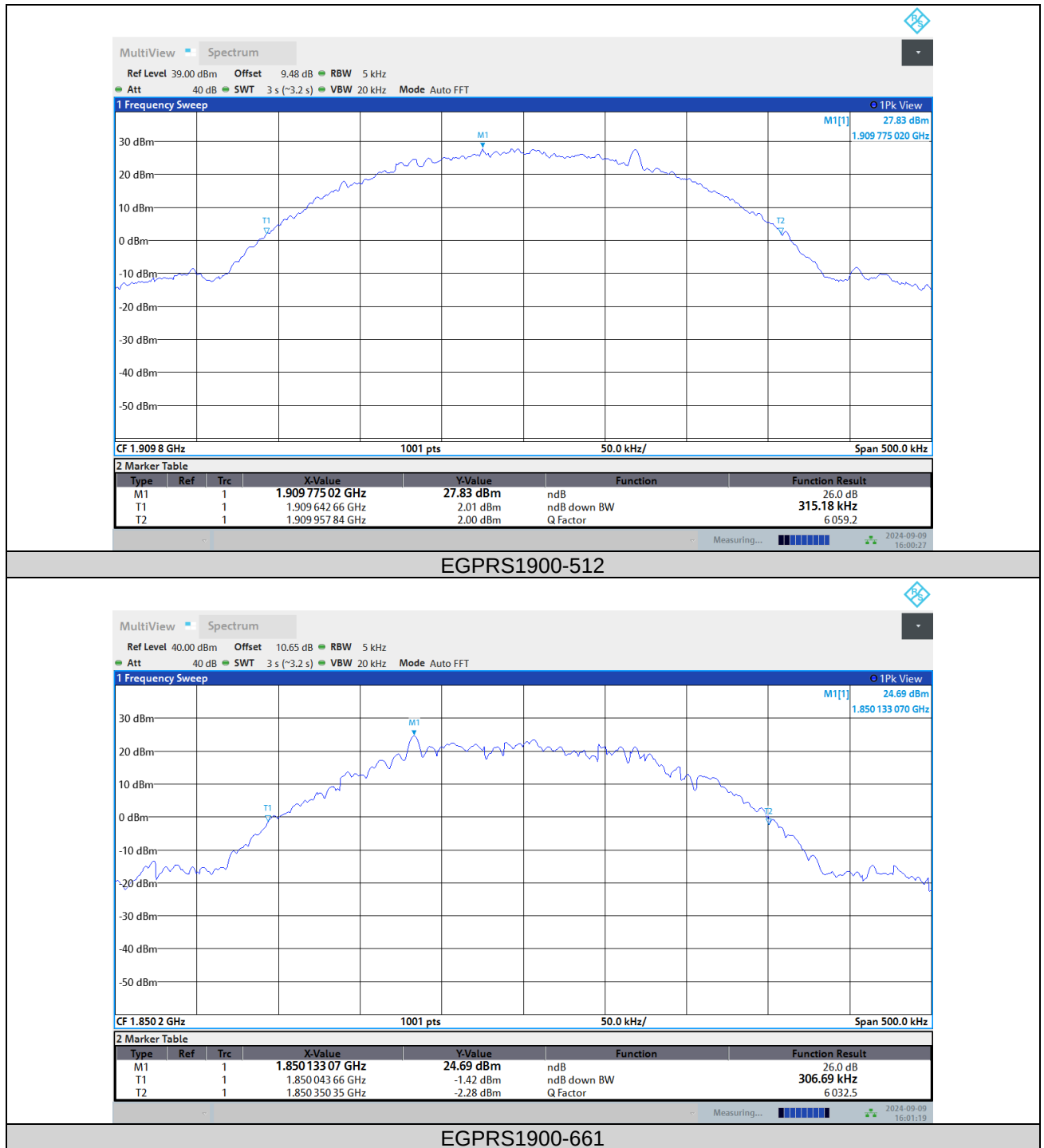






## 26dB Bandwidth





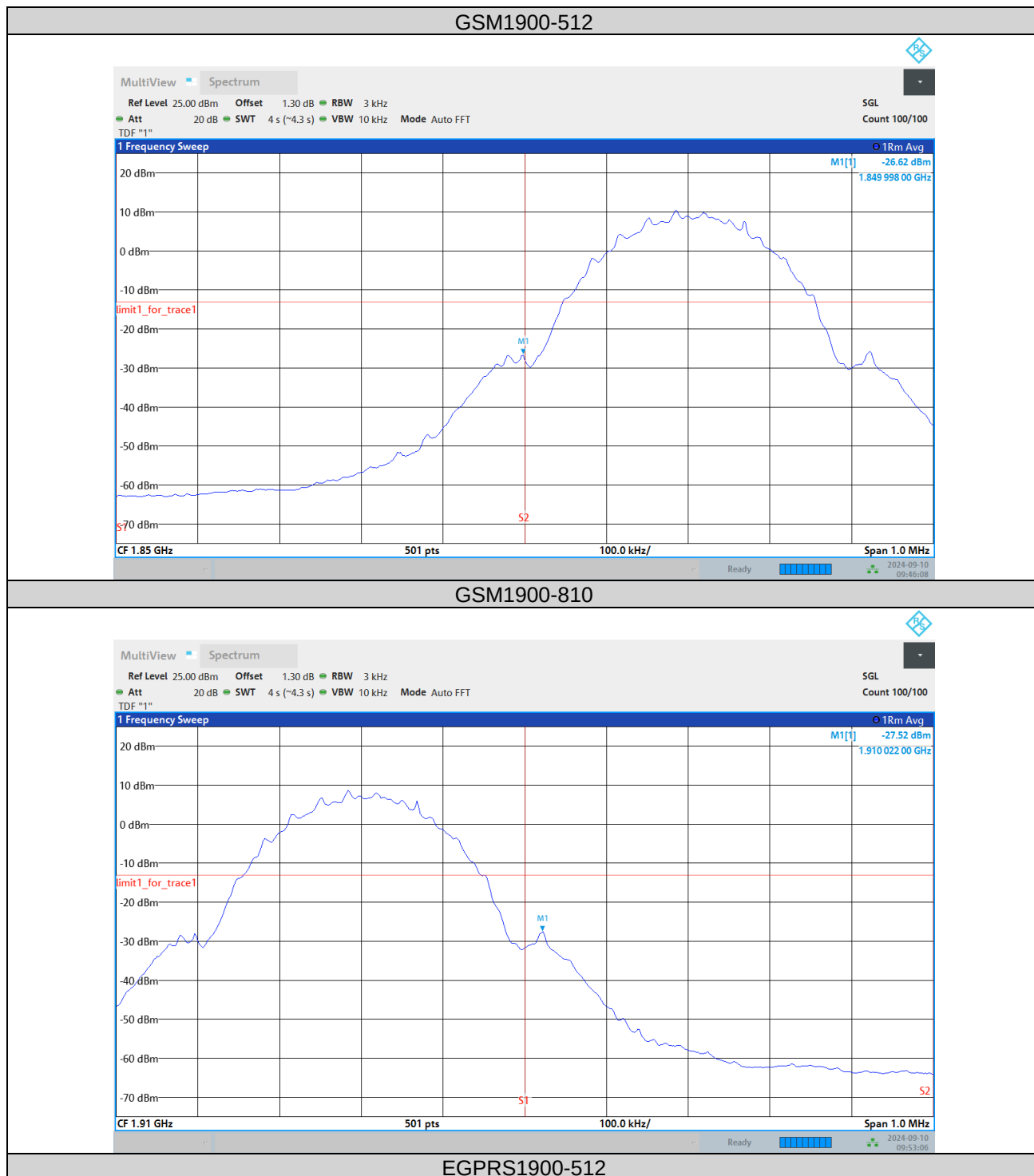


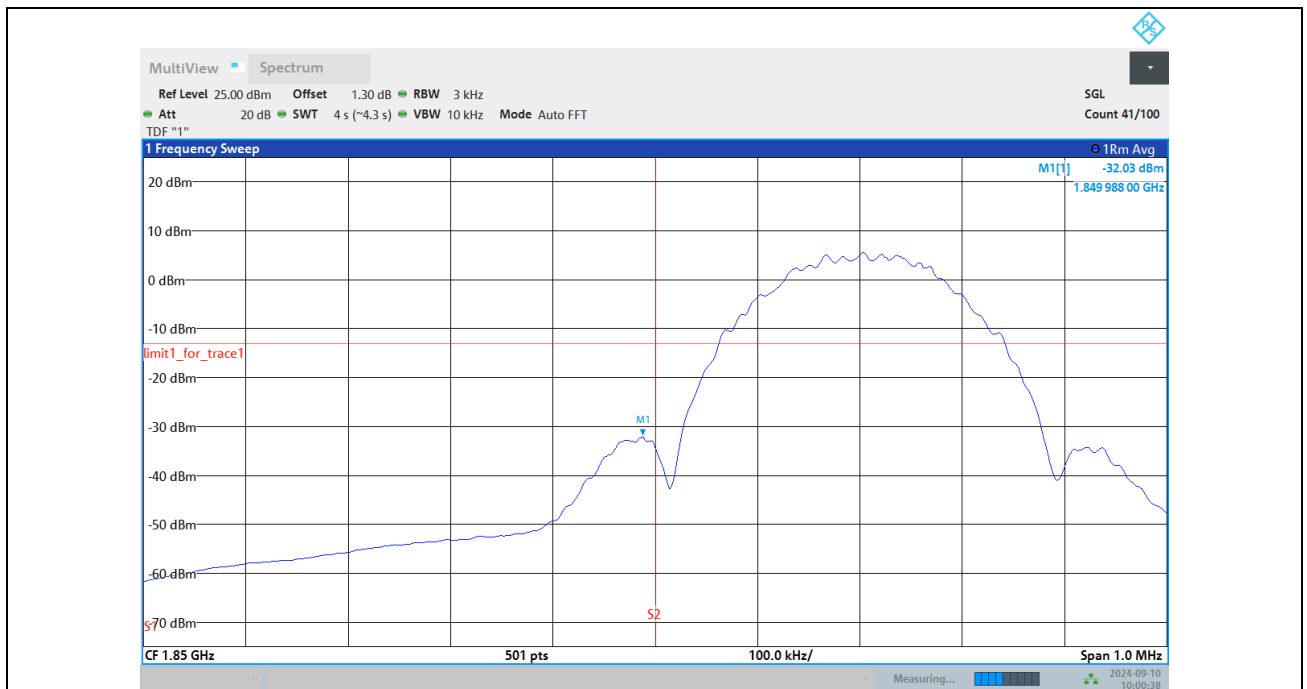
## BAND EDGE

### Test Result

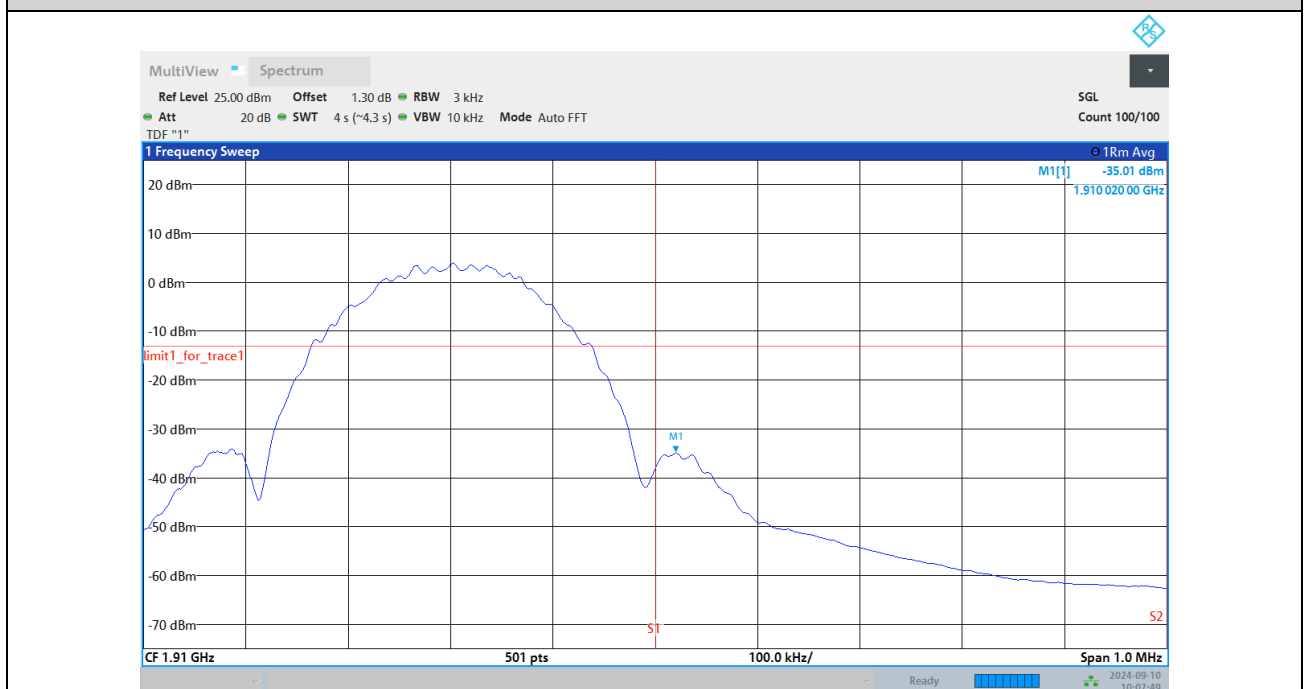
| Band      | Channel | Freq (MHz) | Result (dBm) | Limit(dBm) | Verdict |
|-----------|---------|------------|--------------|------------|---------|
| GSM1900   | 512     | 1849.998   | -26.62       | -13        | PASS    |
| GSM1900   | 810     | 1910.022   | -27.52       | -13        | PASS    |
| EGPRS1900 | 512     | 1849.988   | -32.03       | -13        | PASS    |
| EGPRS1900 | 810     | 1910.020   | -35.01       | -13        | PASS    |

## Test Graphs





### EGPRS1900-810

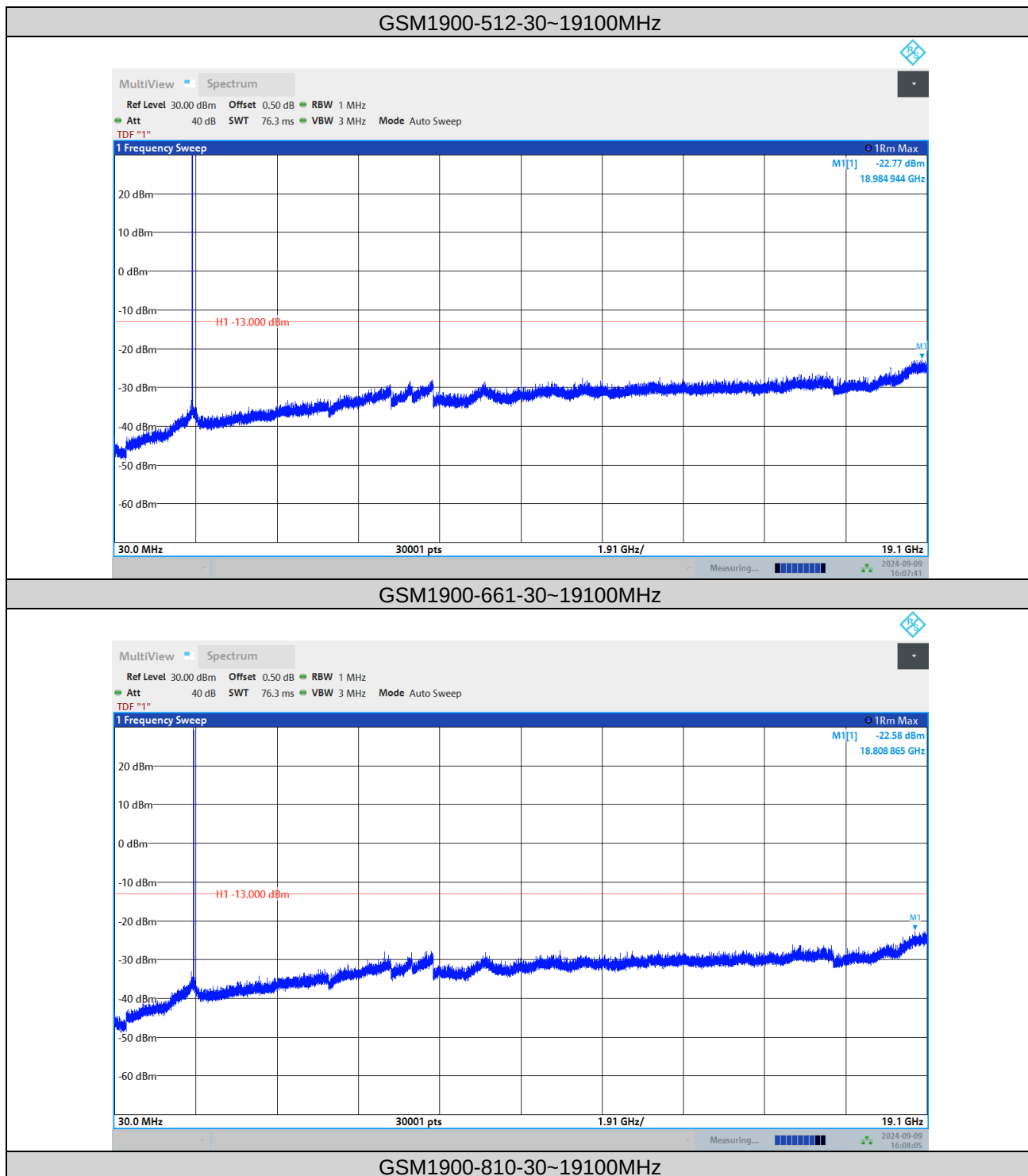


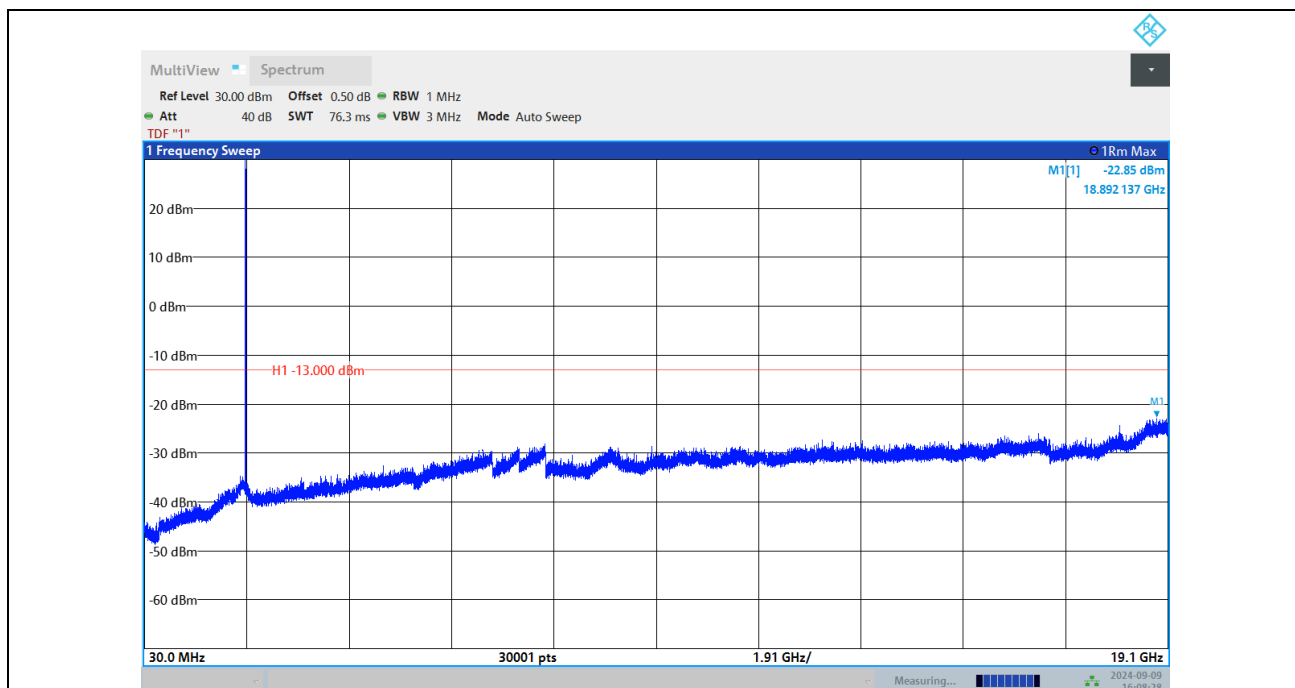


## CONDUCTED SPURIOUS EMISSION TEST RESULT

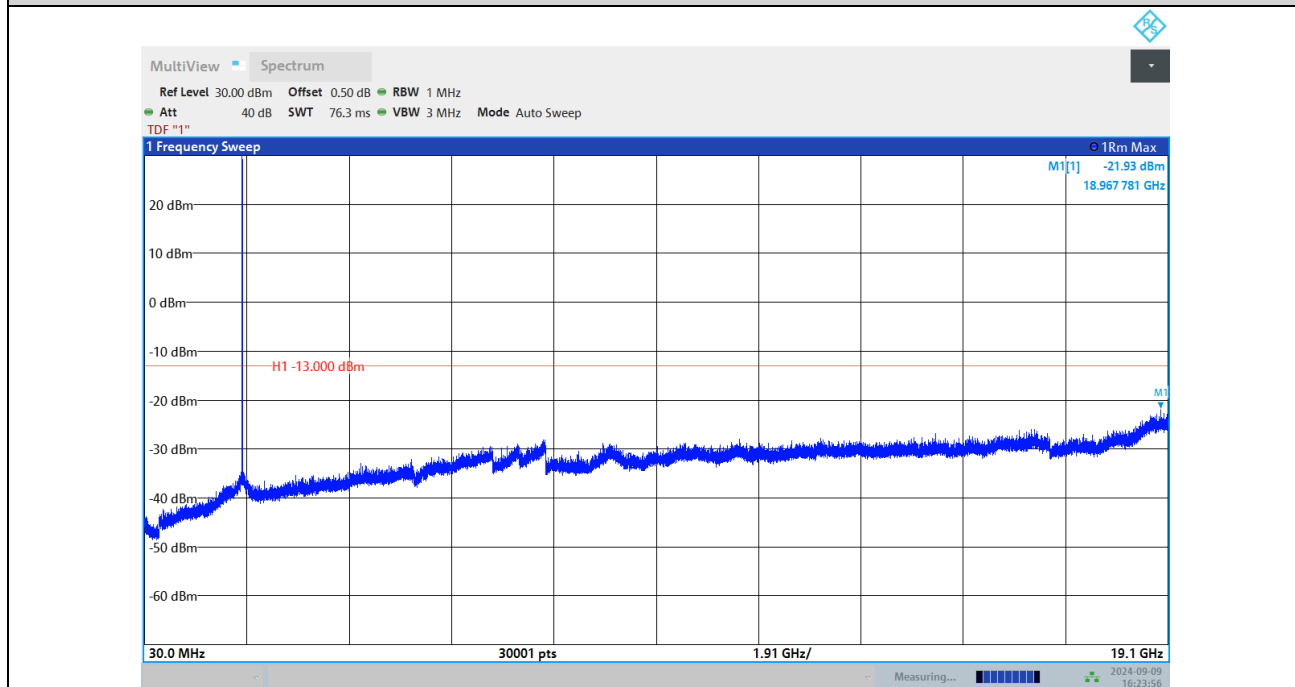
| Band      | Channel | Frequency<br>Range(MHz) | Max.Freq.<br>(MHz) | Result<br>(dBm) | Limit<br>(dBm) | Verdict |
|-----------|---------|-------------------------|--------------------|-----------------|----------------|---------|
| GSM1900   | 512     | 30~19100MHz             | 18984.944          | -22.77          | -13            | PASS    |
| GSM1900   | 661     | 30~19100MHz             | 18808.865          | -22.58          | -13            | PASS    |
| GSM1900   | 810     | 30~19100MHz             | 18892.137          | -22.85          | -13            | PASS    |
| EGPRS1900 | 512     | 30~19100MHz             | 18967.781          | -21.93          | -13            | PASS    |
| EGPRS1900 | 661     | 30~19100MHz             | 19026.898          | -22.60          | -13            | PASS    |
| EGPRS1900 | 810     | 30~19100MHz             | 18951.254          | -22.39          | -13            | PASS    |

## Test Graphs

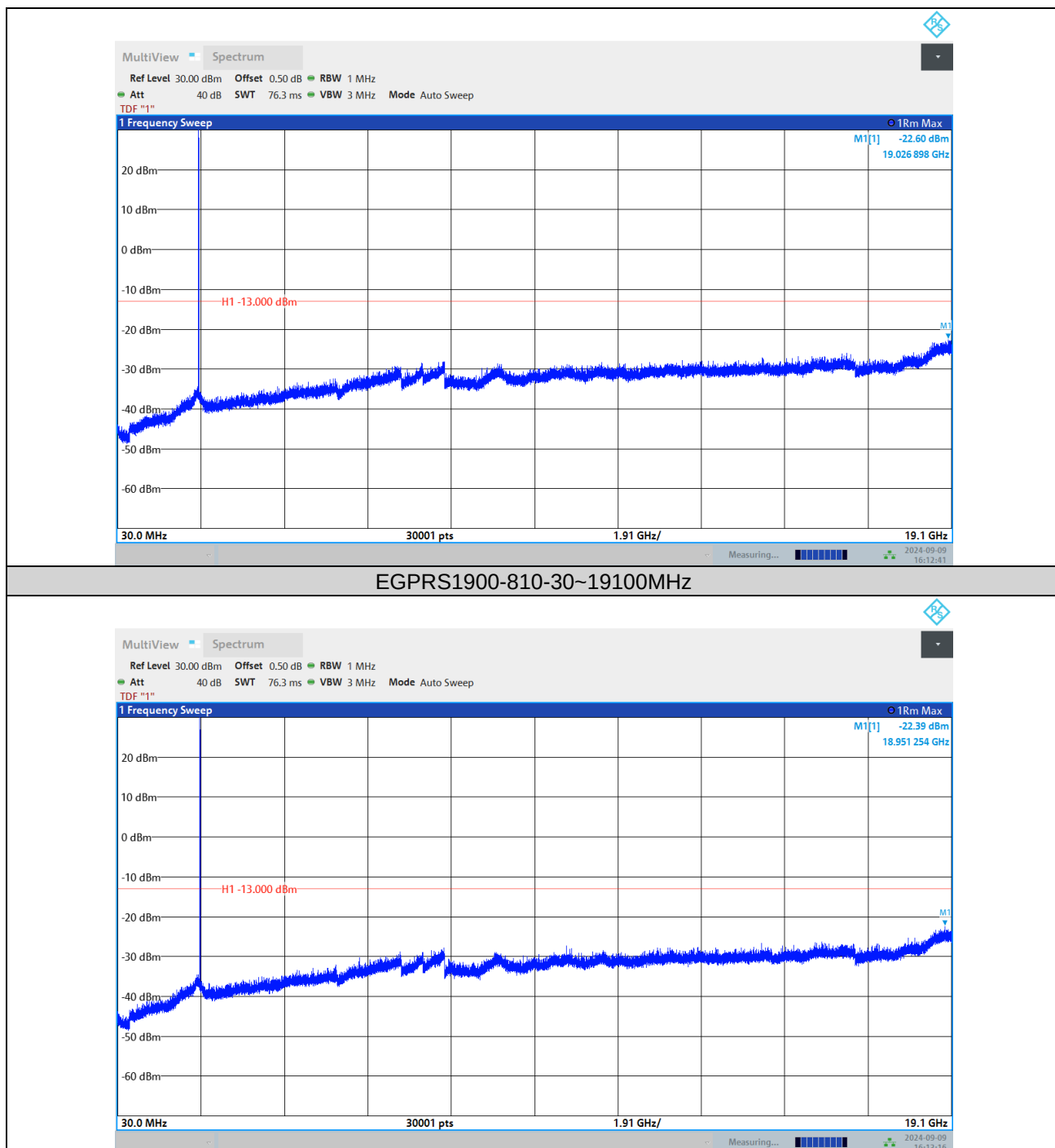




EGPRS1900-512-30~19100MHz



EGPRS1900-661-30~19100MHz



## FREQUENCY STABILITY

### Test Result

| Voltage |         |               |                  |                |                 |             |         |
|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| GSM1900 | 512     | LV            | NT               | -1.60          | -0.0019         | ±2.5        | PASS    |
| GSM1900 | 512     | NV            | NT               | -1.72          | -0.0021         | ±2.5        | PASS    |
| GSM1900 | 512     | HV            | NT               | -7.33          | -0.0088         | ±2.5        | PASS    |
| GSM1900 | 661     | LV            | NT               | 4.72           | 0.0056          | ±2.5        | PASS    |
| GSM1900 | 661     | NV            | NT               | -7.32          | -0.0088         | ±2.5        | PASS    |
| GSM1900 | 661     | HV            | NT               | -0.78          | -0.0009         | ±2.5        | PASS    |
| GSM1900 | 810     | LV            | NT               | -9.59          | -0.0113         | ±2.5        | PASS    |
| GSM1900 | 810     | NV            | NT               | -9.47          | -0.0112         | ±2.5        | PASS    |
| GSM1900 | 810     | HV            | NT               | -5.30          | -0.0029         | ±2.5        | PASS    |

| Temperature |         |               |                  |                |                 |             |         |
|-------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| GSM1900     | 512     | NV            | -30              | -2.62          | 0.0028          | ±2.5        | PASS    |
| GSM1900     | 512     | NV            | -20              | -1.88          | 0.0020          | ±2.5        | PASS    |
| GSM1900     | 512     | NV            | -10              | -0.56          | -0.0003         | ±2.5        | PASS    |
| GSM1900     | 512     | NV            | 0                | -6.88          | -0.0037         | ±2.5        | PASS    |
| GSM1900     | 512     | NV            | 10               | -5.68          | -0.0031         | ±2.5        | PASS    |
| GSM1900     | 512     | NV            | 20               | 8.29           | 0.0045          | ±2.5        | PASS    |
| GSM1900     | 512     | NV            | 30               | -3.47          | -0.0019         | ±2.5        | PASS    |
| GSM1900     | 512     | NV            | 40               | -8.04          | -0.0043         | ±2.5        | PASS    |
| GSM1900     | 512     | NV            | 50               | 4.31           | 0.0023          | ±2.5        | PASS    |
| GSM1900     | 661     | NV            | -30              | 8.13           | 0.0043          | ±2.5        | PASS    |
| GSM1900     | 661     | NV            | -20              | 2.40           | 0.0013          | ±2.5        | PASS    |
| GSM1900     | 661     | NV            | -10              | 6.39           | 0.0034          | ±2.5        | PASS    |
| GSM1900     | 661     | NV            | 0                | -4.81          | -0.0026         | ±2.5        | PASS    |
| GSM1900     | 661     | NV            | 10               | -8.01          | -0.0043         | ±2.5        | PASS    |
| GSM1900     | 661     | NV            | 20               | 6.47           | 0.0034          | ±2.5        | PASS    |
| GSM1900     | 661     | NV            | 30               | 1.03           | 0.0005          | ±2.5        | PASS    |
| GSM1900     | 661     | NV            | 40               | -7.57          | -0.0040         | ±2.5        | PASS    |
| GSM1900     | 661     | NV            | 50               | 0.32           | 0.0002          | ±2.5        | PASS    |
| GSM1900     | 810     | NV            | -30              | -8.53          | -0.0045         | ±2.5        | PASS    |
| GSM1900     | 810     | NV            | -20              | 8.54           | 0.0045          | ±2.5        | PASS    |
| GSM1900     | 810     | NV            | -10              | 6.68           | 0.0035          | ±2.5        | PASS    |
| GSM1900     | 810     | NV            | 0                | 9.60           | 0.0050          | ±2.5        | PASS    |
| GSM1900     | 810     | NV            | 10               | 3.28           | 0.0017          | ±2.5        | PASS    |
| GSM1900     | 810     | NV            | 20               | 7.32           | 0.0038          | ±2.5        | PASS    |
| GSM1900     | 810     | NV            | 30               | -6.47          | -0.0034         | ±2.5        | PASS    |
| GSM1900     | 810     | NV            | 40               | 6.09           | 0.0032          | ±2.5        | PASS    |
| GSM1900     | 810     | NV            | 50               | 0.97           | 0.0005          | ±2.5        | PASS    |

## MAX Deviation calculation

| Frequency Stability            | Frequency (MHz) | Limit Line(MHz) | Result |
|--------------------------------|-----------------|-----------------|--------|
| $f_L -  \text{MAX}(\Delta f) $ | 1850.077100     | $\geq 1850$     | PASS   |
| $f_H +  \text{MAX}(\Delta f) $ | 1909.677514     | $\leq 1910$     |        |

- 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.  $|\text{MAX}(\Delta f)|$  = 9.6 Hz.

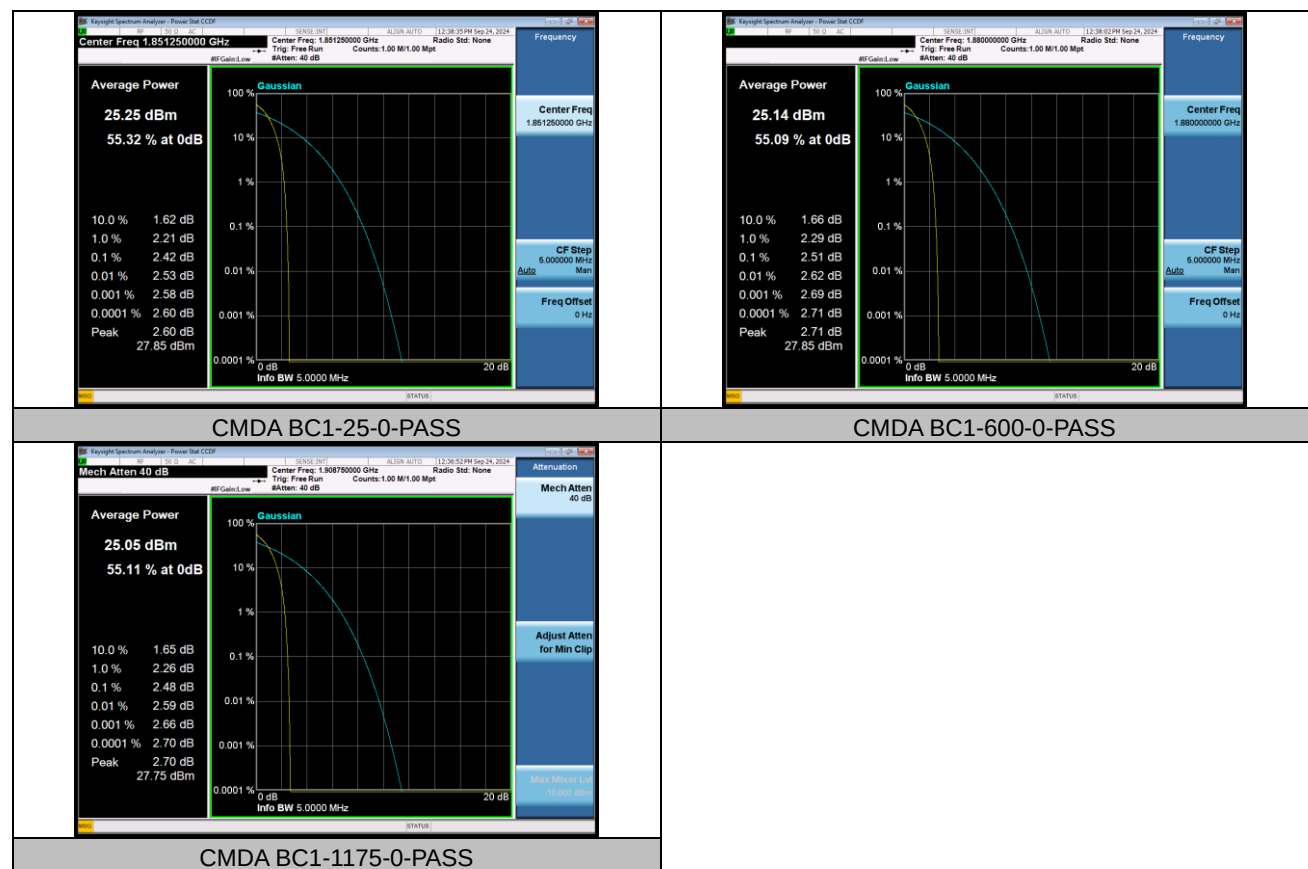
## CDMA2000 BC1

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

#### Test Result

| Band     | Channel | Result(dB) | Limit(dB) | Verdict |
|----------|---------|------------|-----------|---------|
| CMDA BC1 | 25      | 2.42       | 13        | PASS    |
| CMDA BC1 | 600     | 2.51       | 13        | PASS    |
| CMDA BC1 | 1175    | 2.48       | 13        | PASS    |

## Test Graphs



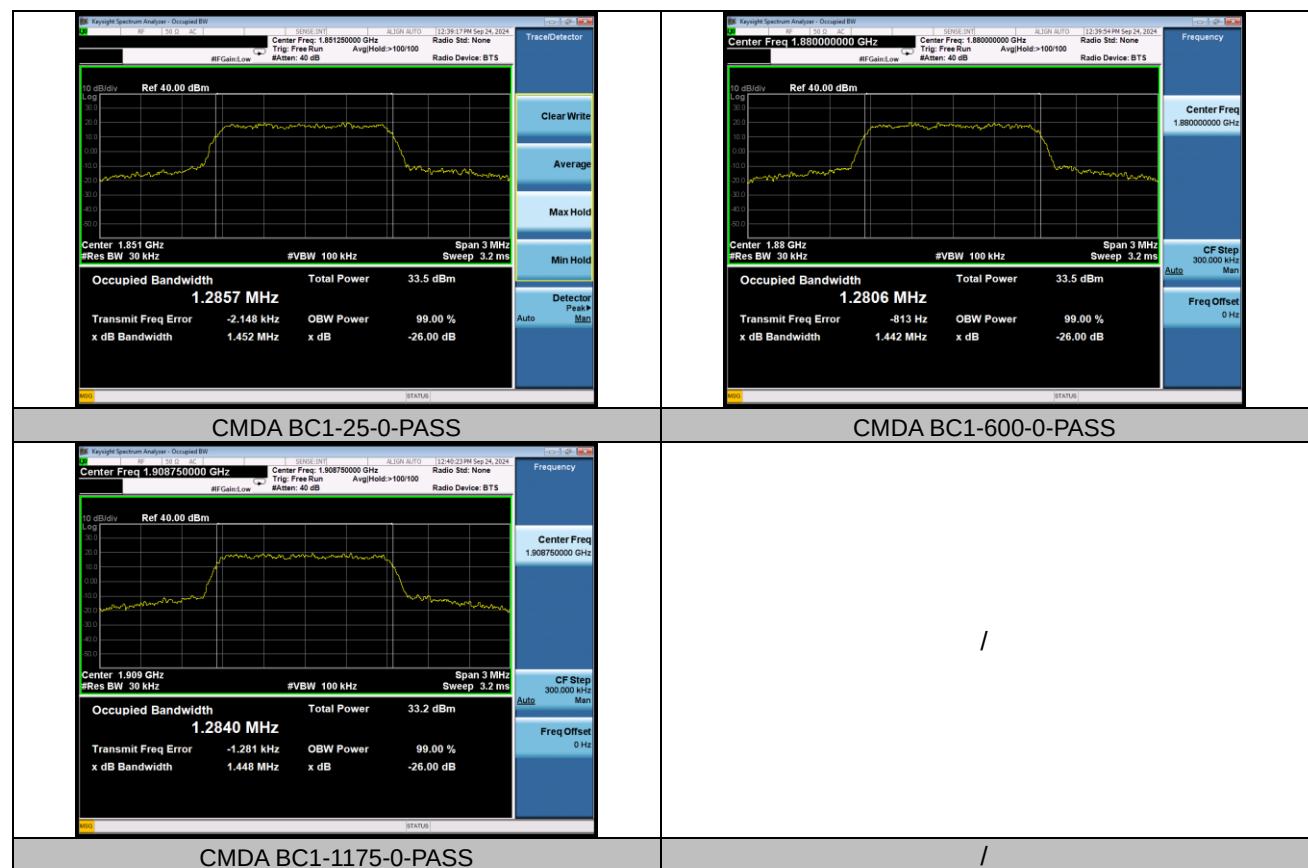


## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

### Test Result

| Band     | Channel | Occupied<br>Bandwidth (MHz) | 26dB Bandwidth<br>(MHz) | Limit<br>(MHz) | Verdict |
|----------|---------|-----------------------------|-------------------------|----------------|---------|
| CMDA BC1 | 25      | 1.2857                      | 1.452                   | ---            | PASS    |
| CMDA BC1 | 600     | 1.2806                      | 1.442                   | ---            | PASS    |
| CMDA BC1 | 1175    | 1.2840                      | 1.448                   | ---            | PASS    |

## Test Graphs



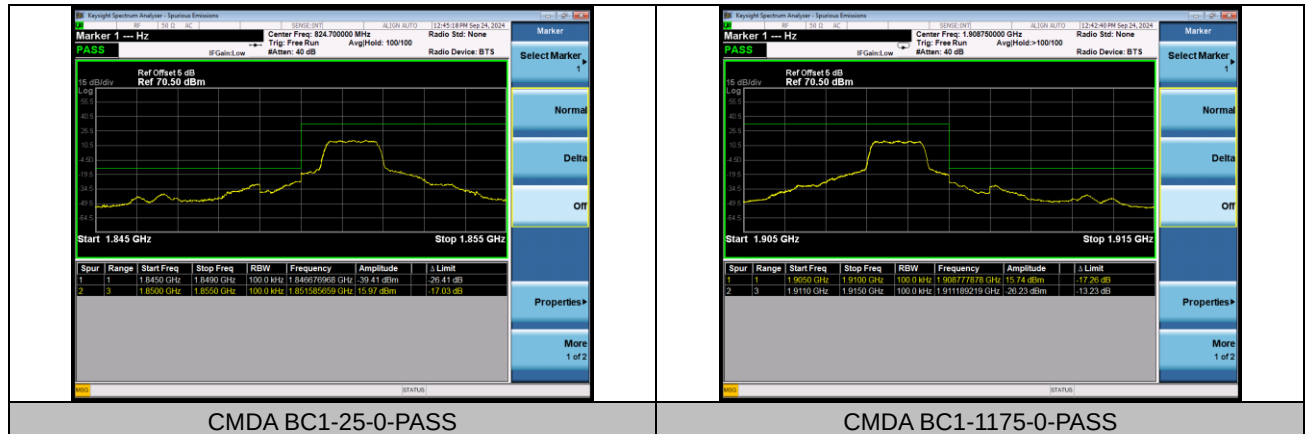
## BAND EDGE

### Test Result

| Band     | Channel | Result   | Limit(dBm) | Verdict |
|----------|---------|----------|------------|---------|
| CMDA BC1 | 25      | Seegraph | -13        | PASS    |
| CMDA BC1 | 1175    | Seegraph | -13        | PASS    |



## Test Graphs

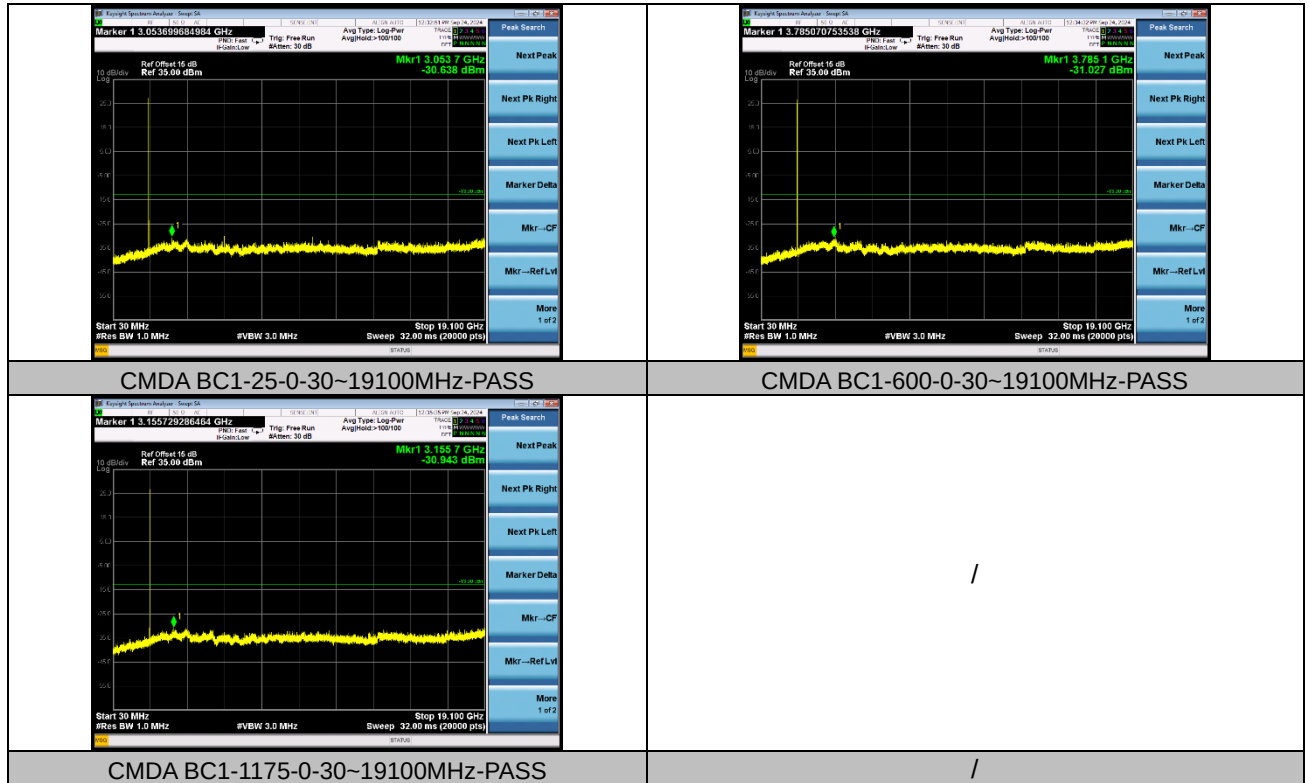


## CONDUCTED SPURIOUS EMISSION

### Test Result

| Band     | Channel | Frequency<br>Range(MHz) | Result<br>(dBm) | Limit<br>(dBm) | Verdict |
|----------|---------|-------------------------|-----------------|----------------|---------|
| CMDA BC1 | 25      | 30~19100MHz             | Seegraph        | -13            | PASS    |
| CMDA BC1 | 600     | 30~19100MHz             | Seegraph        | -13            | PASS    |
| CMDA BC1 | 1175    | 30~19100MHz             | Seegraph        | -13            | PASS    |

## Test Graphs



## FREQUENCY STABILITY

### Test Result

| Voltage     |         |                  |                     |                   |                    |                |         |
|-------------|---------|------------------|---------------------|-------------------|--------------------|----------------|---------|
| Band        | Channel | Voltage<br>[Vdc] | Temperature<br>(°C) | Deviation<br>(Hz) | Deviation<br>(ppm) | Limit<br>(ppm) | Verdict |
| CMDA<br>BC1 | 25      | VN               | NT                  | -14.98            | -0.008092          | ±2.5           | PASS    |
| CMDA<br>BC1 | 25      | VL               | NT                  | -16.02            | -0.008654          | ±2.5           | PASS    |
| CMDA<br>BC1 | 25      | VH               | NT                  | -13.35            | -0.007211          | ±2.5           | PASS    |
| CMDA<br>BC1 | 600     | VN               | NT                  | 12.67             | 0.006739           | ±2.5           | PASS    |
| CMDA<br>BC1 | 600     | VL               | NT                  | -14.09            | -0.007495          | ±2.5           | PASS    |
| CMDA<br>BC1 | 600     | VH               | NT                  | -14.25            | -0.00758           | ±2.5           | PASS    |
| CMDA<br>BC1 | 1175    | VN               | NT                  | -13.57            | -0.007109          | ±2.5           | PASS    |
| CMDA<br>BC1 | 1175    | VL               | NT                  | 11.87             | 0.006219           | ±2.5           | PASS    |
| CMDA<br>BC1 | 1175    | VH               | NT                  | -10.63            | -0.005569          | ±2.5           | PASS    |

| Temperature |         |                  |                     |                   |                    |                |         |
|-------------|---------|------------------|---------------------|-------------------|--------------------|----------------|---------|
| Band        | Channel | Voltage<br>[Vdc] | Temperature<br>(°C) | Deviation<br>(Hz) | Deviation<br>(ppm) | Limit<br>(ppm) | Verdict |
| CMDA<br>BC1 | 25      | NV               | -30                 | -14.59            | -0.007881          | ±2.5           | PASS    |
| CMDA<br>BC1 | 25      | NV               | -20                 | -13.7             | -0.0074            | ±2.5           | PASS    |
| CMDA<br>BC1 | 25      | NV               | -10                 | -12.52            | -0.006763          | ±2.5           | PASS    |
| CMDA<br>BC1 | 25      | NV               | 0                   | -12.51            | -0.006758          | ±2.5           | PASS    |
| CMDA<br>BC1 | 25      | NV               | 10                  | -13.57            | -0.00733           | ±2.5           | PASS    |
| CMDA<br>BC1 | 25      | NV               | 20                  | -13.75            | -0.007427          | ±2.5           | PASS    |
| CMDA<br>BC1 | 25      | NV               | 30                  | -13.68            | -0.00739           | ±2.5           | PASS    |
| CMDA<br>BC1 | 25      | NV               | 40                  | -12.85            | -0.006941          | ±2.5           | PASS    |
| CMDA<br>BC1 | 25      | NV               | 50                  | 10.8              | 0.005834           | ±2.5           | PASS    |



|             |      |    |     |        |           |      |      |
|-------------|------|----|-----|--------|-----------|------|------|
| CMDA<br>BC1 | 600  | NV | -30 | -12.59 | -0.006697 | ±2.5 | PASS |
| CMDA<br>BC1 | 600  | NV | -20 | -14.03 | -0.007463 | ±2.5 | PASS |
| CMDA<br>BC1 | 600  | NV | -10 | -12.49 | -0.006644 | ±2.5 | PASS |
| CMDA<br>BC1 | 600  | NV | 0   | -10.93 | -0.005814 | ±2.5 | PASS |
| CMDA<br>BC1 | 600  | NV | 10  | -12.63 | -0.006718 | ±2.5 | PASS |
| CMDA<br>BC1 | 600  | NV | 20  | 9.5    | 0.005053  | ±2.5 | PASS |
| CMDA<br>BC1 | 600  | NV | 30  | -12.68 | -0.006745 | ±2.5 | PASS |
| CMDA<br>BC1 | 600  | NV | 40  | -11.88 | -0.006319 | ±2.5 | PASS |
| CMDA<br>BC1 | 600  | NV | 50  | 9.25   | 0.00492   | ±2.5 | PASS |
| CMDA<br>BC1 | 1175 | NV | -30 | -12.75 | -0.00668  | ±2.5 | PASS |
| CMDA<br>BC1 | 1175 | NV | -20 | 8.92   | 0.004673  | ±2.5 | PASS |
| CMDA<br>BC1 | 1175 | NV | -10 | -11.23 | -0.005883 | ±2.5 | PASS |
| CMDA<br>BC1 | 1175 | NV | 0   | -12.75 | -0.00668  | ±2.5 | PASS |
| CMDA<br>BC1 | 1175 | NV | 10  | -8.75  | -0.004584 | ±2.5 | PASS |
| CMDA<br>BC1 | 1175 | NV | 20  | -10.37 | -0.005433 | ±2.5 | PASS |
| CMDA<br>BC1 | 1175 | NV | 30  | -11.36 | -0.005952 | ±2.5 | PASS |
| CMDA<br>BC1 | 1175 | NV | 40  | 12.06  | 0.006318  | ±2.5 | PASS |
| CMDA<br>BC1 | 1175 | NV | 50  | -9.05  | -0.004741 | ±2.5 | PASS |



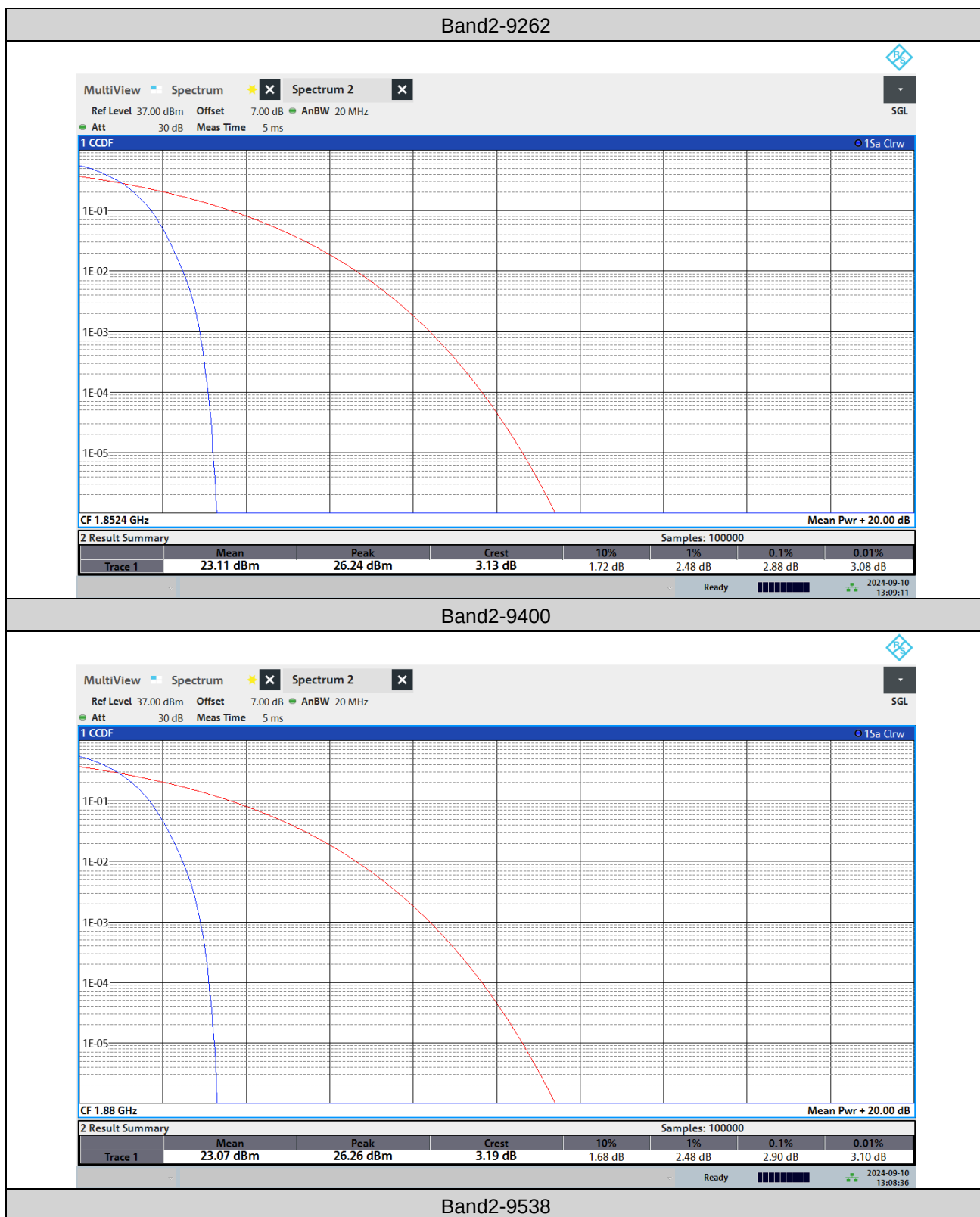
## WCDMA BAND2

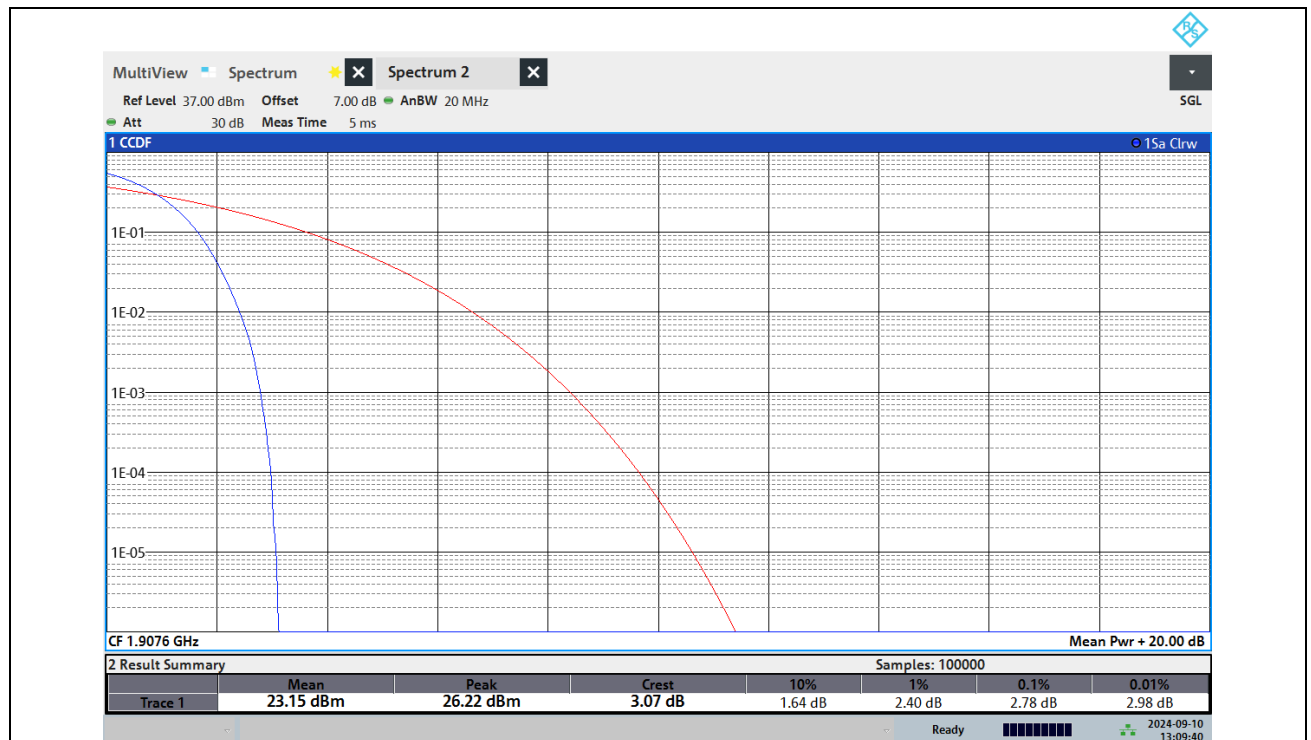
### PEAK-TO-AVERAGE RATIO

#### Test Result

| Band  | Channel | Peak-to-Average Ratio(dB) | Limit(dBm) | Verdict |
|-------|---------|---------------------------|------------|---------|
| Band2 | 9262    | 2.88                      | 13         | PASS    |
| Band2 | 9400    | 2.90                      | 13         | PASS    |
| Band2 | 9538    | 2.70                      | 13         | PASS    |

## Test Graphs





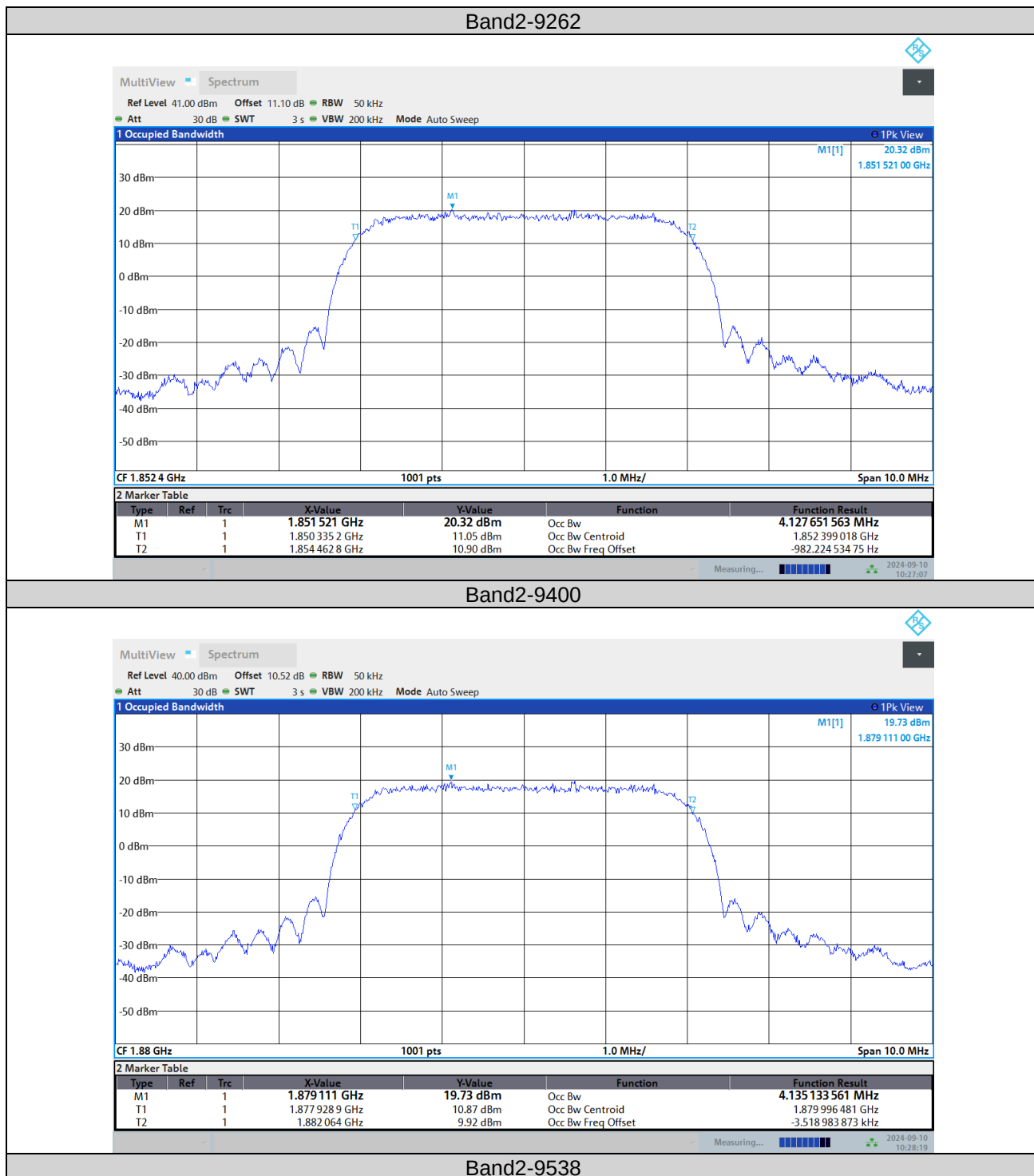
## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

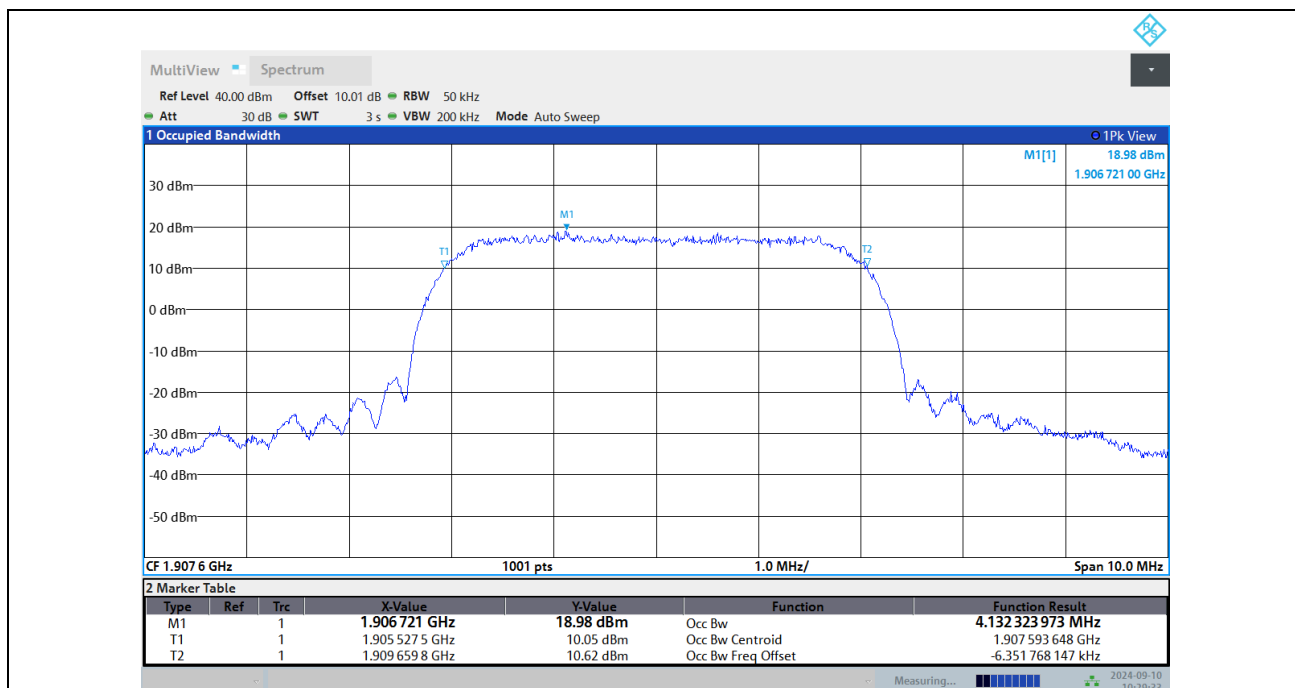
### Test Result

| Band  | Channel | Occupied Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | Verdict |
|-------|---------|-----------------------------|-------------------------|---------|
| Band2 | 9262    | 4.128                       | 4.71                    | PASS    |
| Band2 | 9400    | 4.135                       | 4.70                    | PASS    |
| Band2 | 9538    | 4.132                       | 4.71                    | PASS    |

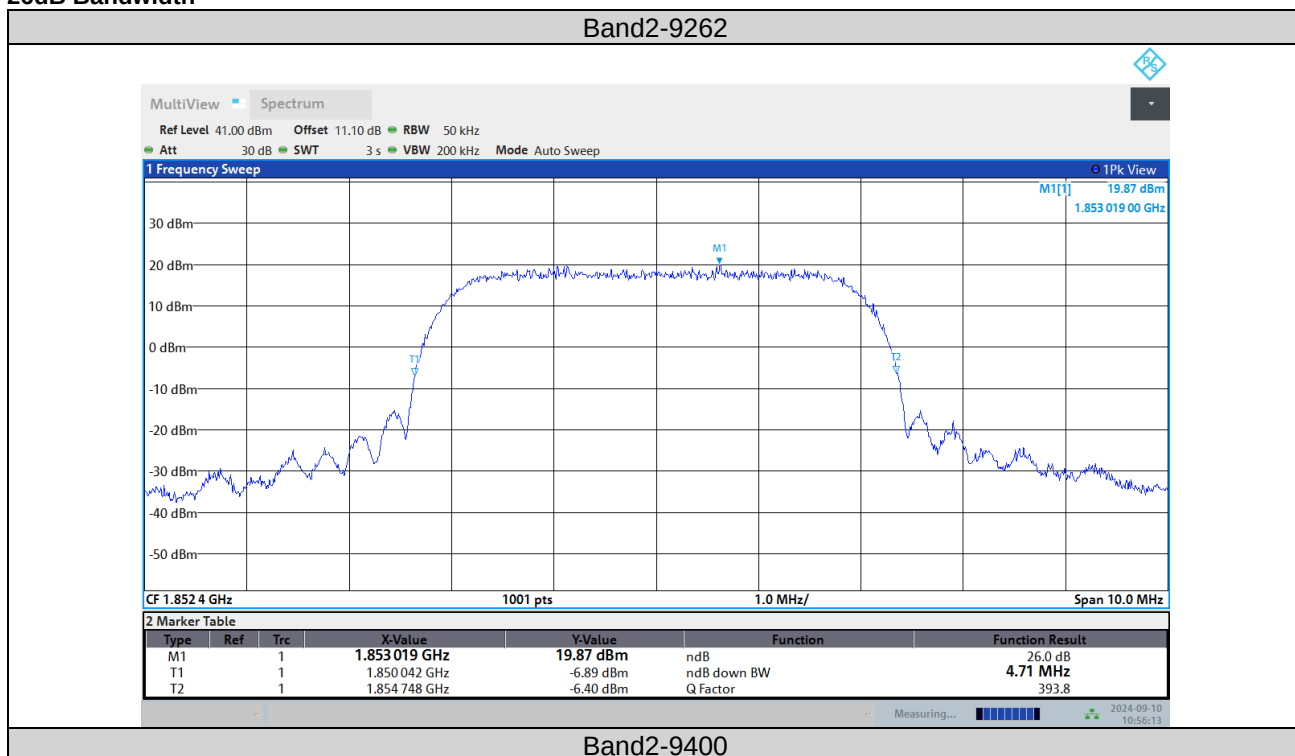
## Test Graphs

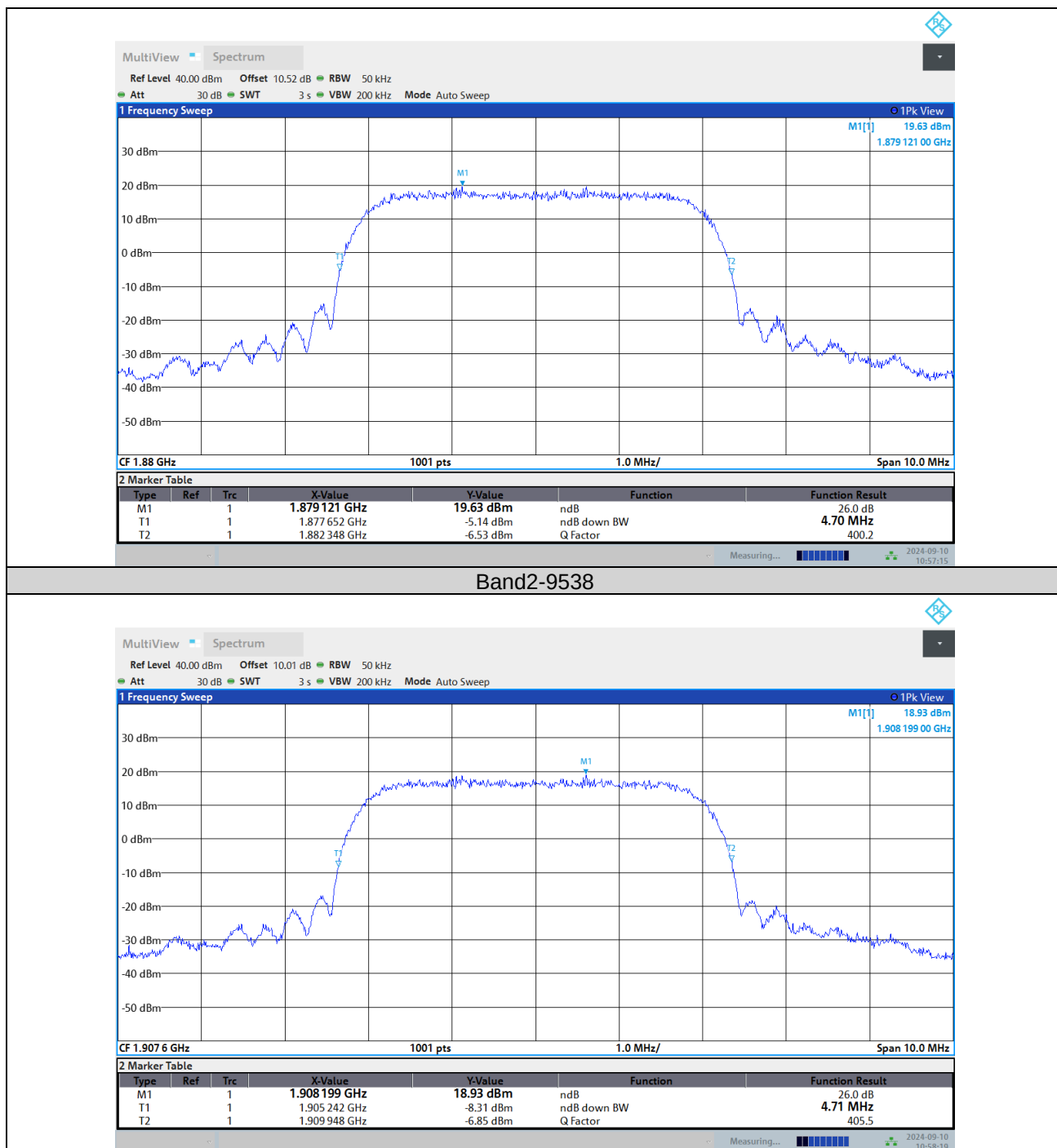
### Occupied Bandwidth





## 26dB Bandwidth





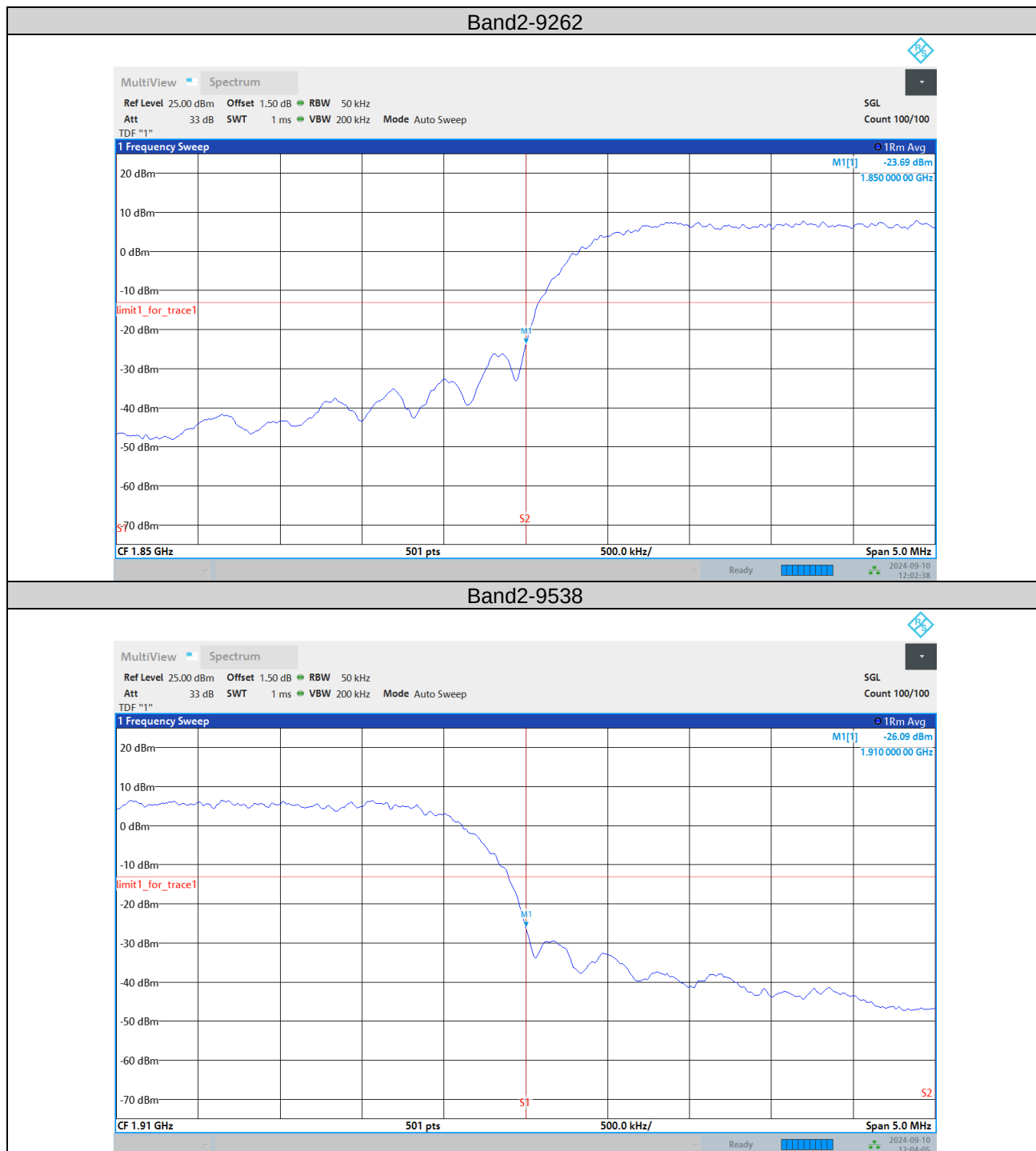
## BAND EDGE

### Test Result

| Band  | Channel | Frequency (MHz) | Result (dBm) | Limit(dBm) | Verdict |
|-------|---------|-----------------|--------------|------------|---------|
| Band2 | 9262    | 1850.00         | -23.69       | -13        | PASS    |
| Band2 | 9538    | 1919.00         | -26.09       | -13        | PASS    |



## Test Graphs

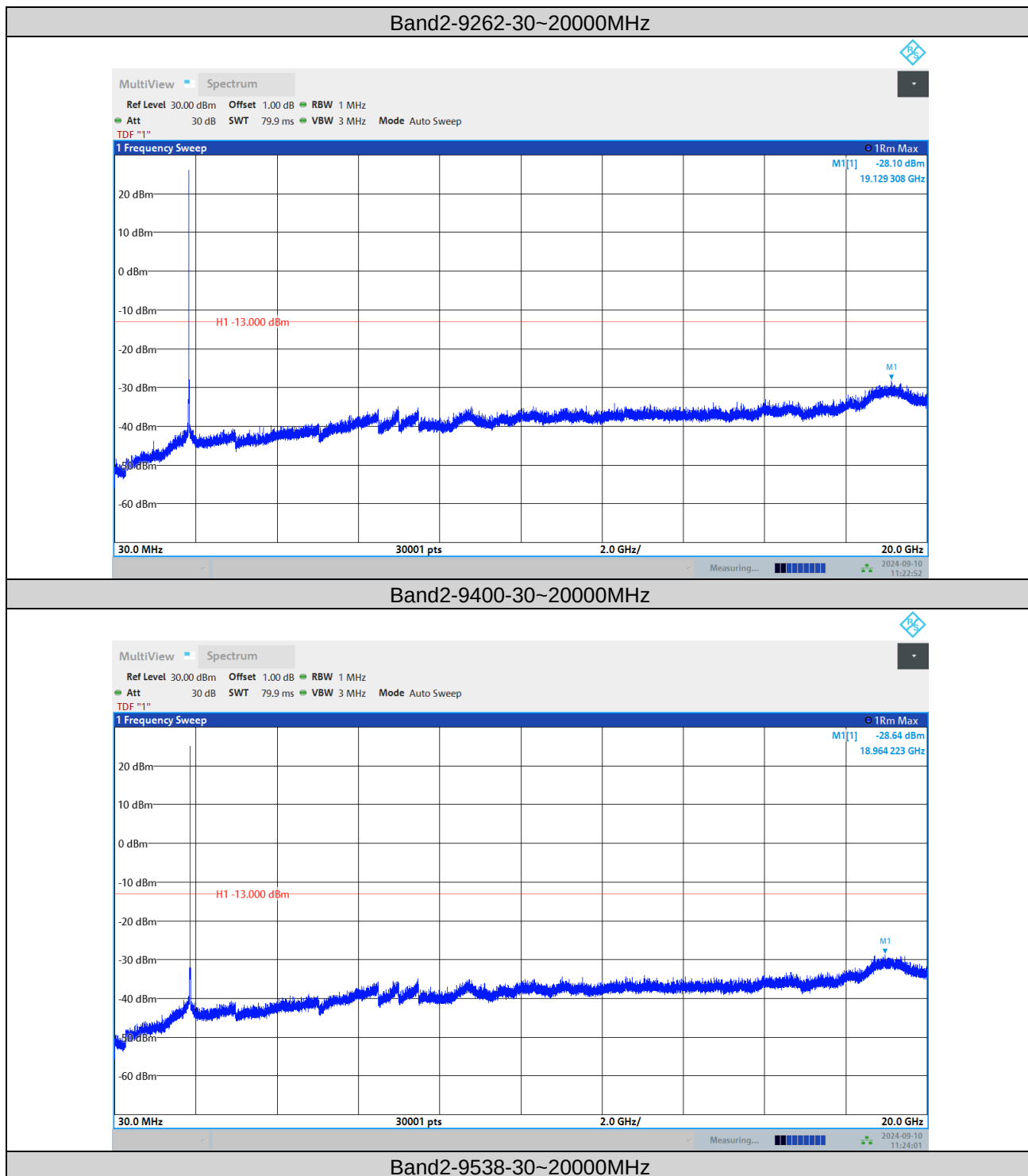


## CONDUCTED SPURIOUS EMISSION

### Test Result

| Band  | Channel | Frequency Range<br>(Mhz) | Frequency (MHz) | Result<br>(dBm) | Limit<br>(dBm) | Verdict |
|-------|---------|--------------------------|-----------------|-----------------|----------------|---------|
| Band2 | 9262    | 30~20000MHz              | 19129.308       | -28.10          | -13            | PASS    |
| Band2 | 9400    | 30~20000MHz              | 18964.233       | -28.64          | -13            | PASS    |
| Band2 | 9538    | 30~20000MHz              | 18727.911       | -29.04          | -13            | PASS    |

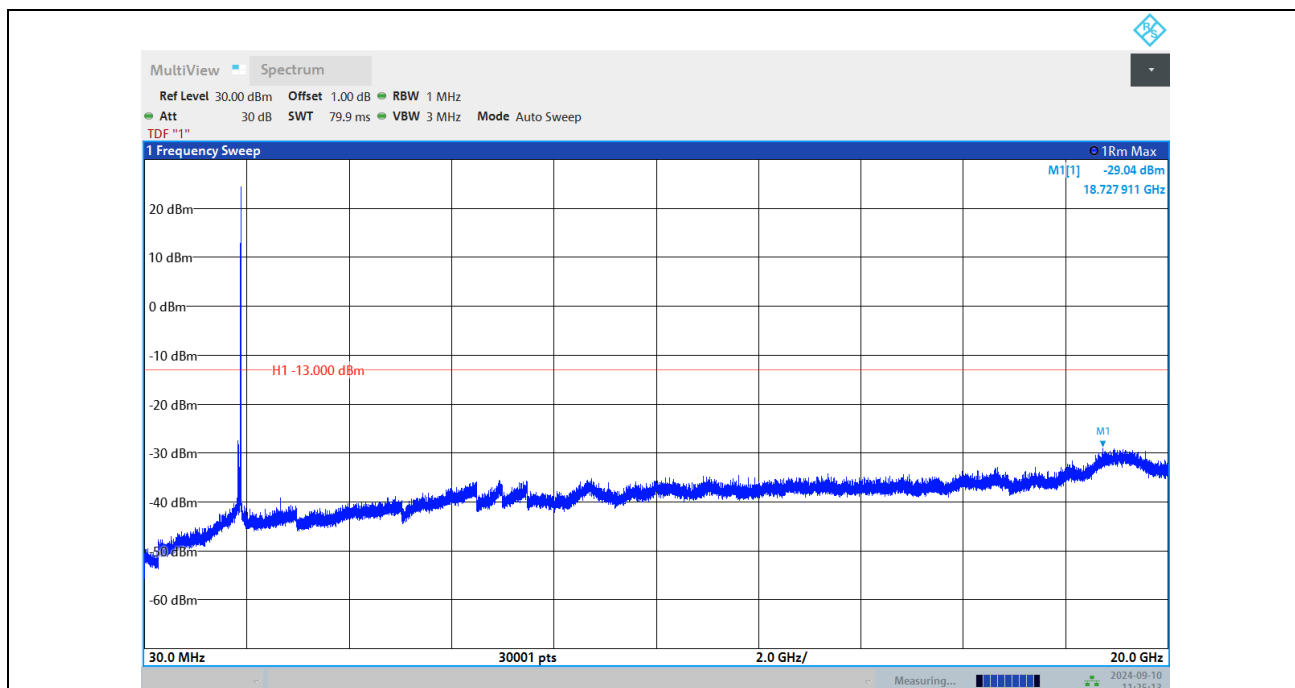
## Test Graphs





BUREAU  
VERITAS

Test Report No.: PSU-NQN2406210109RF02



## FREQUENCY STABILITY

### Test Result

| Voltage |         |               |                  |                |                 |             |         |
|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band2   | 9262    | VL            | NT               | 3.01           | 0.0016          | ±2.5        | PASS    |
| Band2   | 9262    | VN            | NT               | -8.94          | -0.0048         | ±2.5        | PASS    |
| Band2   | 9262    | VH            | NT               | -0.20          | -0.0001         | ±2.5        | PASS    |
| Band2   | 9400    | VL            | NT               | -5.07          | -0.0027         | ±2.5        | PASS    |
| Band2   | 9400    | VN            | NT               | 7.54           | 0.0040          | ±2.5        | PASS    |
| Band2   | 9400    | VH            | NT               | -8.46          | -0.0045         | ±2.5        | PASS    |
| Band2   | 9538    | VL            | NT               | -6.95          | -0.0035         | ±2.5        | PASS    |
| Band2   | 9538    | VN            | NT               | -5.22          | -0.0026         | ±2.5        | PASS    |
| Band2   | 9538    | VH            | NT               | -7.80          | -0.0039         | ±2.5        | PASS    |

| Temperature |         |               |                  |                |                 |             |         |
|-------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band2       | 9262    | NV            | -30              | 2.23           | 0.0024          | ±2.5        | PASS    |
| Band2       | 9262    | NV            | -20              | -0.11          | 0.0001          | ±2.5        | PASS    |
| Band2       | 9262    | NV            | -10              | 9.63           | 0.0052          | ±2.5        | PASS    |
| Band2       | 9262    | NV            | 0                | -2.31          | -0.0012         | ±2.5        | PASS    |
| Band2       | 9262    | NV            | 10               | 1.61           | 0.0009          | ±2.5        | PASS    |
| Band2       | 9262    | NV            | 20               | 1.10           | 0.0006          | ±2.5        | PASS    |
| Band2       | 9262    | NV            | 30               | 6.21           | 0.0034          | ±2.5        | PASS    |
| Band2       | 9262    | NV            | 40               | -9.99          | -0.0054         | ±2.5        | PASS    |
| Band2       | 9262    | NV            | 50               | 6.17           | 0.0033          | ±2.5        | PASS    |
| Band2       | 9400    | NV            | -30              | -4.51          | -0.0024         | ±2.5        | PASS    |
| Band2       | 9400    | NV            | -20              | -0.12          | -0.0001         | ±2.5        | PASS    |
| Band2       | 9400    | NV            | -10              | -0.21          | -0.0001         | ±2.5        | PASS    |
| Band2       | 9400    | NV            | 0                | 0.83           | 0.0004          | ±2.5        | PASS    |
| Band2       | 9400    | NV            | 10               | 8.04           | 0.0043          | ±2.5        | PASS    |
| Band2       | 9400    | NV            | 20               | -9.82          | -0.0052         | ±2.5        | PASS    |
| Band2       | 9400    | NV            | 30               | 3.76           | 0.0020          | ±2.5        | PASS    |
| Band2       | 9400    | NV            | 40               | -0.16          | -0.0001         | ±2.5        | PASS    |
| Band2       | 9400    | NV            | 50               | -4.02          | -0.0021         | ±2.5        | PASS    |
| Band2       | 9538    | NV            | -30              | -8.81          | -0.0045         | ±2.5        | PASS    |
| Band2       | 9538    | NV            | -20              | -4.15          | -0.0021         | ±2.5        | PASS    |
| Band2       | 9538    | NV            | -10              | -5.41          | -0.0027         | ±2.5        | PASS    |
| Band2       | 9538    | NV            | 0                | -5.85          | -0.0030         | ±2.5        | PASS    |
| Band2       | 9538    | NV            | 10               | 5.48           | 0.0028          | ±2.5        | PASS    |
| Band2       | 9538    | NV            | 20               | 7.13           | 0.0036          | ±2.5        | PASS    |
| Band2       | 9538    | NV            | 30               | 8.81           | 0.0045          | ±2.5        | PASS    |
| Band2       | 9538    | NV            | 40               | 1.07           | 0.0005          | ±2.5        | PASS    |



|       |      |    |    |      |        |      |      |
|-------|------|----|----|------|--------|------|------|
| Band2 | 9538 | NV | 50 | 3.70 | 0.0019 | ±2.5 | PASS |
|-------|------|----|----|------|--------|------|------|

### MAX Deviation calculation

| Frequency Stability            | Frequency (MHz) | Limit Line(MHz) | Result |
|--------------------------------|-----------------|-----------------|--------|
| $f_L -  \text{MAX}(\Delta f) $ | 1850.319990     | $\geq 1850$     | PASS   |
| $f_H +  \text{MAX}(\Delta f) $ | 1909.680010     | $\leq 1910$     |        |

- 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.  $|\text{MAX}(\Delta f)|$  = 9.87Hz.

## LTE BAND 2

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

#### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band2 | 1.4MHz    | QPSK       | 18607   | 1RB#0            | 4.62       | 13        | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18607   | 6RB#0            | 5.08       | 13        | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 1RB#0            | 4.10       | 13        | PASS    |
| Band2 | 1.4MHz    | QPSK       | 18900   | 6RB#0            | 4.88       | 13        | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 1RB#0            | 4.04       | 13        | PASS    |
| Band2 | 1.4MHz    | QPSK       | 19193   | 6RB#0            | 4.92       | 13        | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 1RB#0            | 5.58       | 13        | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18607   | 6RB#0            | 5.94       | 13        | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 1RB#0            | 5.12       | 13        | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 6RB#0            | 5.68       | 13        | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 1RB#0            | 4.96       | 13        | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 19193   | 6RB#0            | 5.82       | 13        | PASS    |
| Band2 | 1.4MHz    | 64QAM      | 18607   | 1RB#0            | 6.12       | 13        | PASS    |
| Band2 | 1.4MHz    | 64QAM      | 18607   | 6RB#0            | 6.18       | 13        | PASS    |
| Band2 | 1.4MHz    | 64QAM      | 18900   | 1RB#0            | 5.74       | 13        | PASS    |
| Band2 | 1.4MHz    | 64QAM      | 18900   | 6RB#0            | 6.30       | 13        | PASS    |
| Band2 | 1.4MHz    | 64QAM      | 19193   | 1RB#0            | 5.88       | 13        | PASS    |
| Band2 | 1.4MHz    | 64QAM      | 19193   | 6RB#0            | 6.32       | 13        | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 1RB#0            | 4.56       | 13        | PASS    |
| Band2 | 3MHz      | QPSK       | 18615   | 15RB#0           | 5.50       | 13        | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 1RB#0            | 4.00       | 13        | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 15RB#0           | 5.24       | 13        | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 1RB#0            | 4.26       | 13        | PASS    |
| Band2 | 3MHz      | QPSK       | 19185   | 15RB#0           | 5.28       | 13        | PASS    |
| Band2 | 3MHz      | 16QAM      | 18615   | 1RB#0            | 5.56       | 13        | PASS    |
| Band2 | 3MHz      | 16QAM      | 18615   | 15RB#0           | 6.14       | 13        | PASS    |
| Band2 | 3MHz      | 16QAM      | 18900   | 1RB#0            | 4.88       | 13        | PASS    |
| Band2 | 3MHz      | 16QAM      | 18900   | 15RB#0           | 5.92       | 13        | PASS    |
| Band2 | 3MHz      | 16QAM      | 19185   | 1RB#0            | 4.92       | 13        | PASS    |
| Band2 | 3MHz      | 16QAM      | 19185   | 15RB#0           | 6.08       | 13        | PASS    |
| Band2 | 3MHz      | 64QAM      | 18615   | 1RB#0            | 6.12       | 13        | PASS    |
| Band2 | 3MHz      | 64QAM      | 18615   | 15RB#0           | 6.60       | 13        | PASS    |
| Band2 | 3MHz      | 64QAM      | 18900   | 1RB#0            | 5.44       | 13        | PASS    |
| Band2 | 3MHz      | 64QAM      | 18900   | 15RB#0           | 6.44       | 13        | PASS    |
| Band2 | 3MHz      | 64QAM      | 19185   | 1RB#0            | 5.92       | 13        | PASS    |
| Band2 | 3MHz      | 64QAM      | 19185   | 15RB#0           | 6.28       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 1RB#0            | 4.50       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 25RB#0           | 5.36       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 1RB#0            | 3.94       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 25RB#0           | 5.36       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 1RB#0            | 4.38       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 25RB#0           | 5.32       | 13        | PASS    |



|       |       |       |       |         |      |    |      |
|-------|-------|-------|-------|---------|------|----|------|
| Band2 | 5MHz  | 16QAM | 18625 | 1RB#0   | 5.20 | 13 | PASS |
| Band2 | 5MHz  | 16QAM | 18625 | 25RB#0  | 6.22 | 13 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 1RB#0   | 4.72 | 13 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 25RB#0  | 6.02 | 13 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#0   | 5.06 | 13 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 25RB#0  | 6.02 | 13 | PASS |
| Band2 | 5MHz  | 64QAM | 18625 | 1RB#0   | 6.08 | 13 | PASS |
| Band2 | 5MHz  | 64QAM | 18625 | 25RB#0  | 6.50 | 13 | PASS |
| Band2 | 5MHz  | 64QAM | 18900 | 1RB#0   | 5.26 | 13 | PASS |
| Band2 | 5MHz  | 64QAM | 18900 | 25RB#0  | 6.34 | 13 | PASS |
| Band2 | 5MHz  | 64QAM | 19175 | 1RB#0   | 5.90 | 13 | PASS |
| Band2 | 5MHz  | 64QAM | 19175 | 25RB#0  | 6.46 | 13 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#0   | 4.70 | 13 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 50RB#0  | 5.34 | 13 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#0   | 3.70 | 13 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 50RB#0  | 5.14 | 13 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#0   | 4.52 | 13 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 50RB#0  | 5.24 | 13 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#0   | 5.56 | 13 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 50RB#0  | 6.04 | 13 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#0   | 4.56 | 13 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 50RB#0  | 6.06 | 13 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#0   | 5.20 | 13 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 50RB#0  | 6.12 | 13 | PASS |
| Band2 | 10MHz | 64QAM | 18650 | 1RB#0   | 6.10 | 13 | PASS |
| Band2 | 10MHz | 64QAM | 18650 | 50RB#0  | 6.40 | 13 | PASS |
| Band2 | 10MHz | 64QAM | 18900 | 1RB#0   | 5.16 | 13 | PASS |
| Band2 | 10MHz | 64QAM | 18900 | 50RB#0  | 6.38 | 13 | PASS |
| Band2 | 10MHz | 64QAM | 19150 | 1RB#0   | 6.12 | 13 | PASS |
| Band2 | 10MHz | 64QAM | 19150 | 50RB#0  | 6.40 | 13 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#0   | 4.80 | 13 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 75RB#0  | 5.34 | 13 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#0   | 3.92 | 13 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 75RB#0  | 5.24 | 13 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#0   | 4.84 | 13 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 75RB#0  | 5.50 | 13 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#0   | 5.56 | 13 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 75RB#0  | 6.00 | 13 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#0   | 4.94 | 13 | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 75RB#0  | 6.00 | 13 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#0   | 5.68 | 13 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 75RB#0  | 6.12 | 13 | PASS |
| Band2 | 15MHz | 64QAM | 18675 | 1RB#0   | 6.18 | 13 | PASS |
| Band2 | 15MHz | 64QAM | 18675 | 75RB#0  | 6.40 | 13 | PASS |
| Band2 | 15MHz | 64QAM | 18900 | 1RB#0   | 5.46 | 13 | PASS |
| Band2 | 15MHz | 64QAM | 18900 | 75RB#0  | 6.34 | 13 | PASS |
| Band2 | 15MHz | 64QAM | 19125 | 1RB#0   | 6.44 | 13 | PASS |
| Band2 | 15MHz | 64QAM | 19125 | 75RB#0  | 6.42 | 13 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#0   | 4.90 | 13 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 100RB#0 | 5.18 | 13 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#0   | 4.02 | 13 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 100RB#0 | 5.20 | 13 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#0   | 5.22 | 13 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 100RB#0 | 5.30 | 13 | PASS |

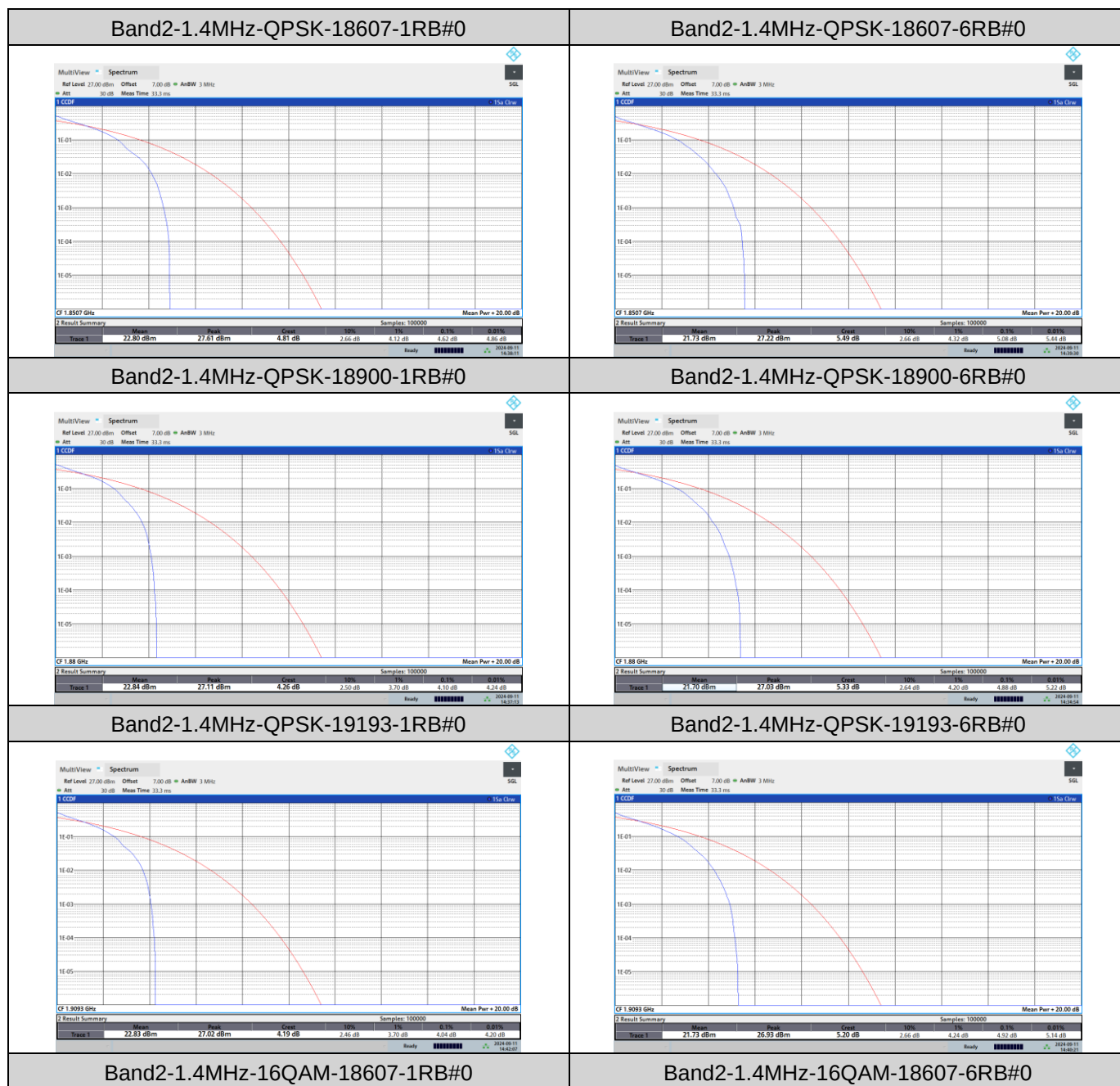




Test Report No.: PSU-NQN2406210109RF02

|       |       |       |       |         |      |    |      |
|-------|-------|-------|-------|---------|------|----|------|
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0   | 5.62 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 100RB#0 | 6.02 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#0   | 4.66 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 100RB#0 | 5.98 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#0   | 6.30 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 100RB#0 | 6.12 | 13 | PASS |
| Band2 | 20MHz | 64QAM | 18700 | 1RB#0   | 6.36 | 13 | PASS |
| Band2 | 20MHz | 64QAM | 18700 | 100RB#0 | 6.38 | 13 | PASS |
| Band2 | 20MHz | 64QAM | 18900 | 1RB#0   | 5.46 | 13 | PASS |
| Band2 | 20MHz | 64QAM | 18900 | 100RB#0 | 6.40 | 13 | PASS |
| Band2 | 20MHz | 64QAM | 19100 | 1RB#0   | 6.42 | 13 | PASS |
| Band2 | 20MHz | 64QAM | 19100 | 100RB#0 | 6.44 | 13 | PASS |

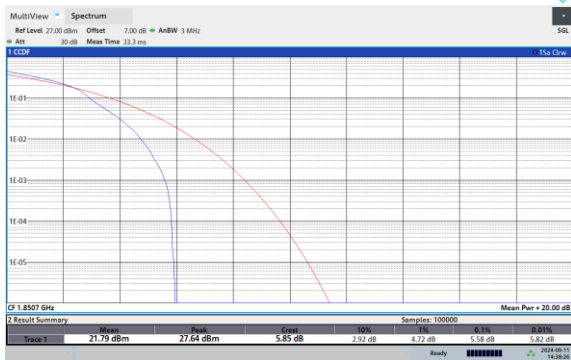
## Test Graphs



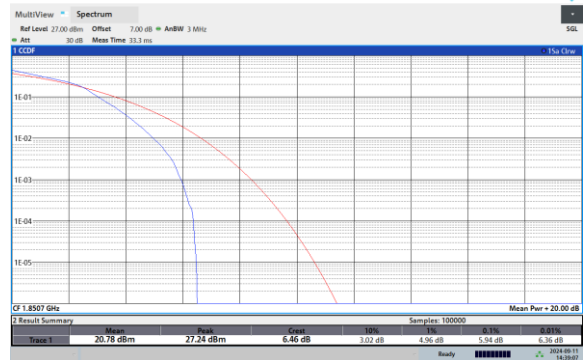


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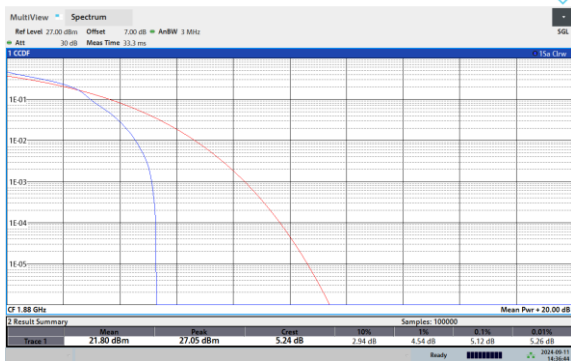
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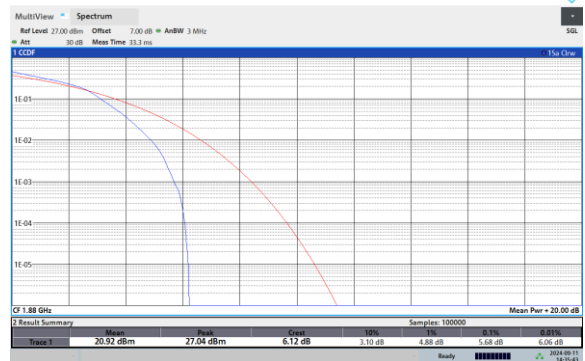
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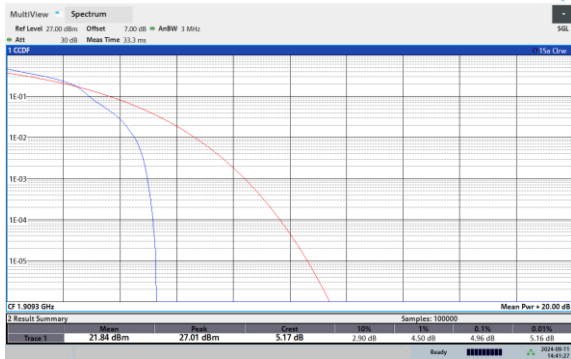
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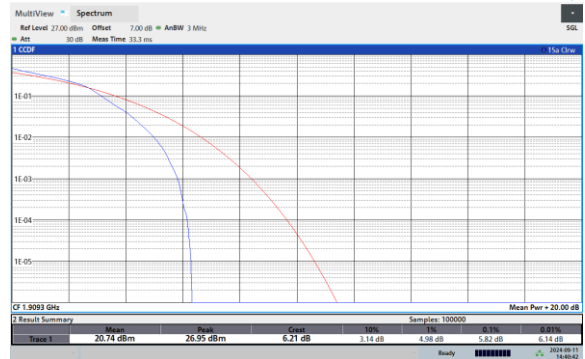
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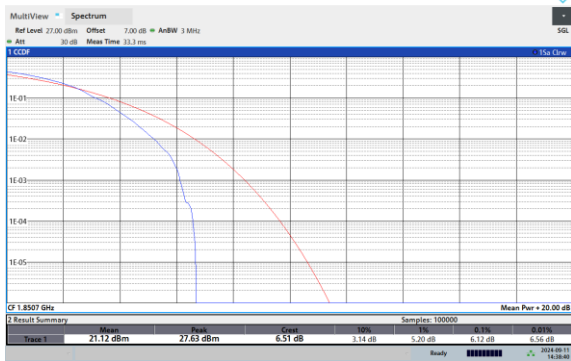
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Band2-1.4MHz-64QAM-18607-1RB#0



Band2-1.4MHz-64QAM-18607-6RB#0



Band2-1.4MHz-64QAM-18900-1RB#0

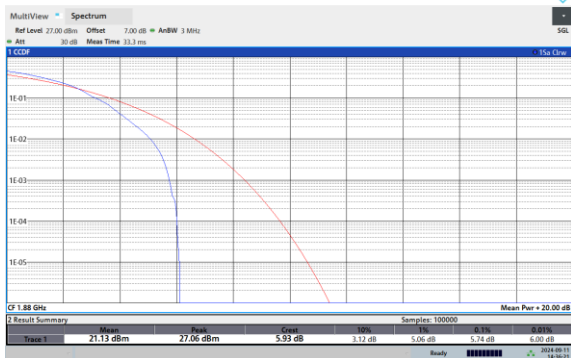


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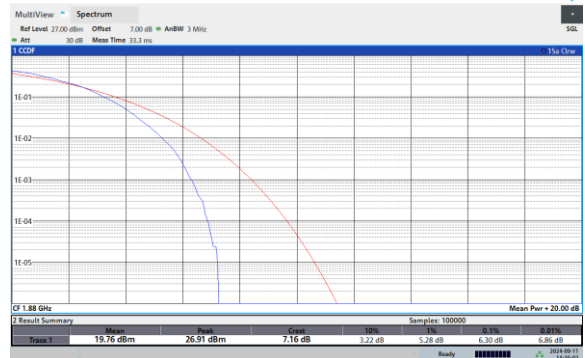


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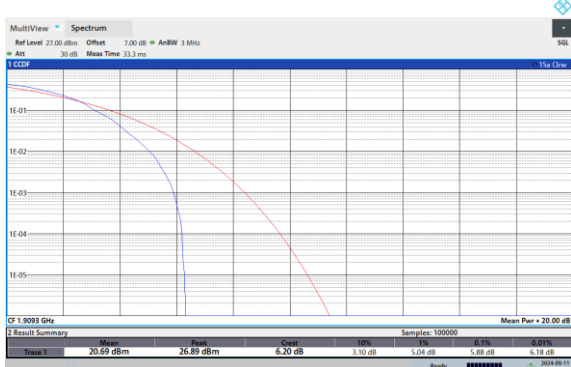
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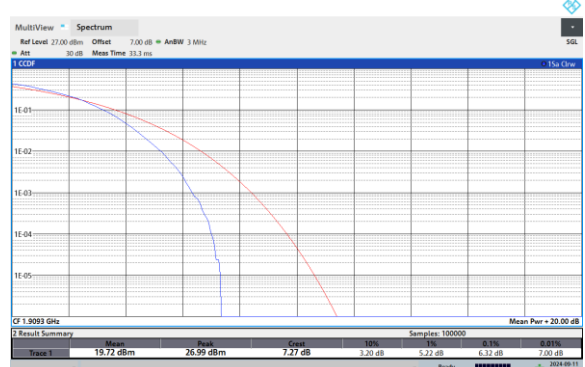
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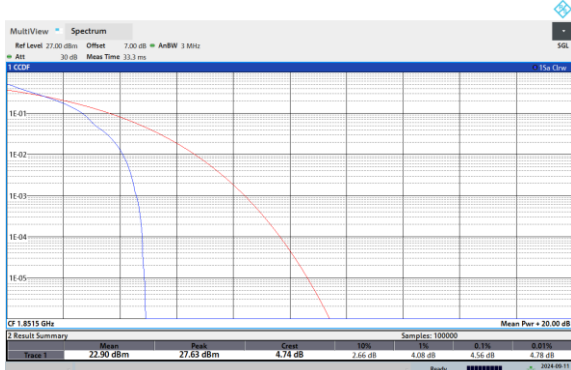
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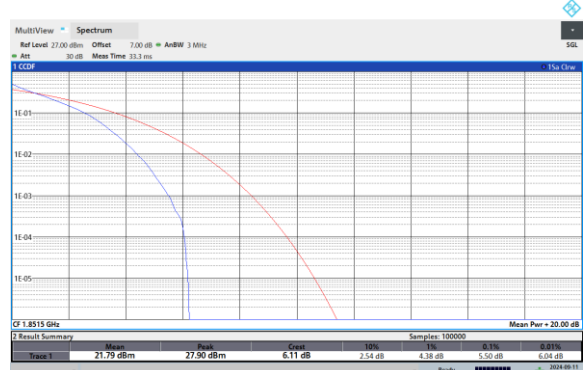
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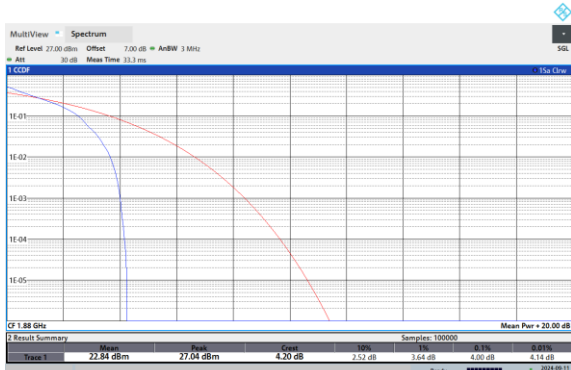
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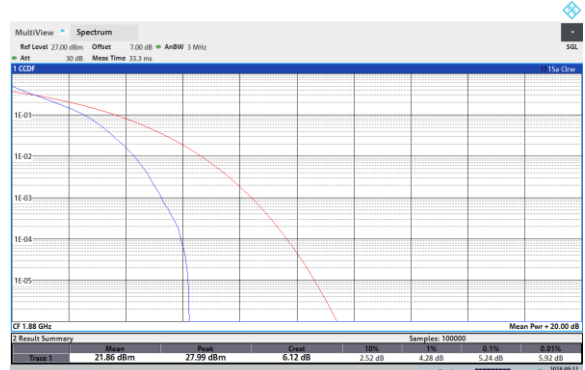
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Band2-3MHz-QPSK-19185-1RB#0



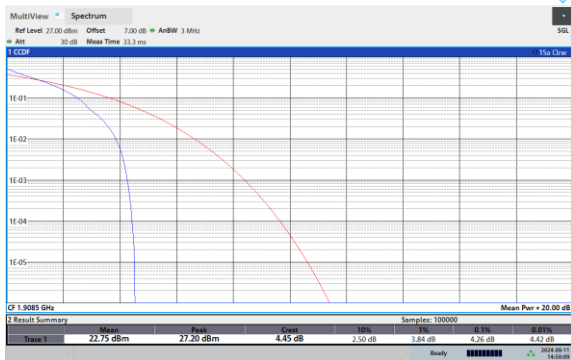
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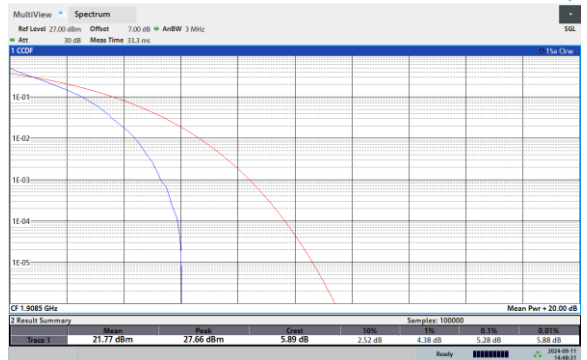


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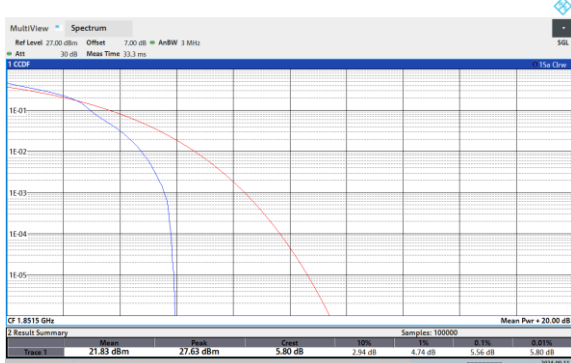
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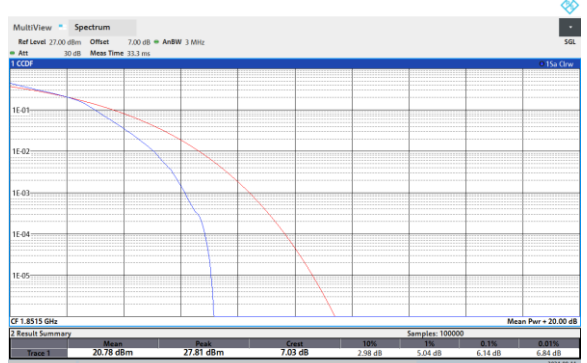
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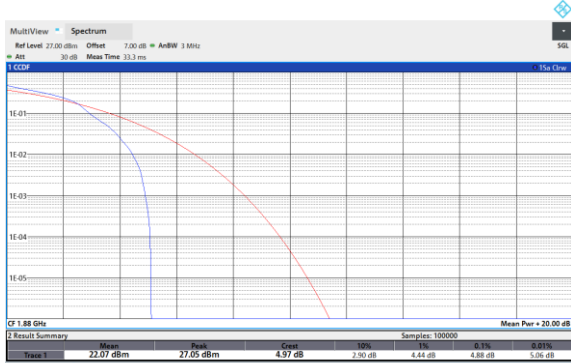
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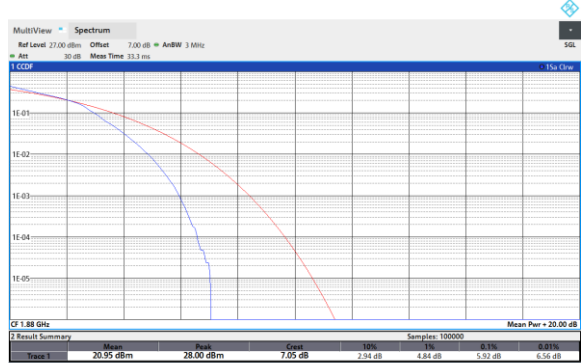
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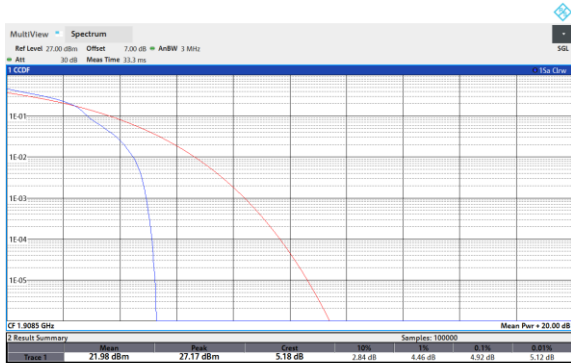
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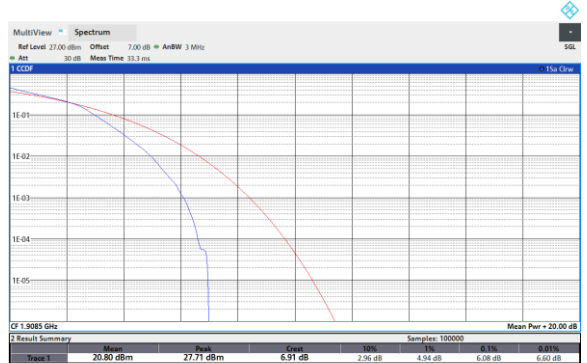
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Band2-3MHz-16QAM-19185-15RB#0



Band2-3MHz-64QAM-18615-1RB#0

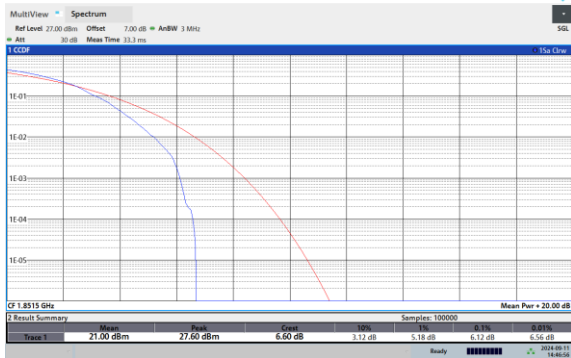


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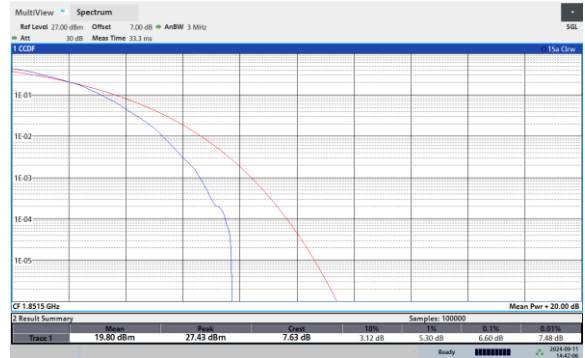


BUREAU  
VERITAS

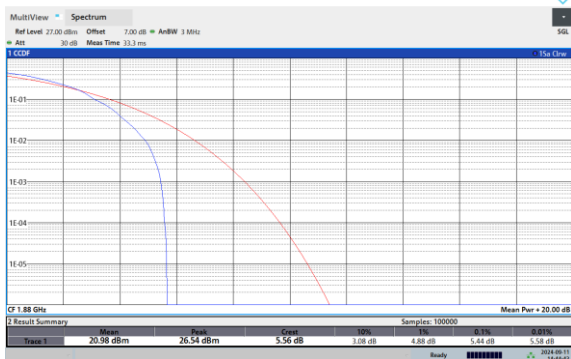
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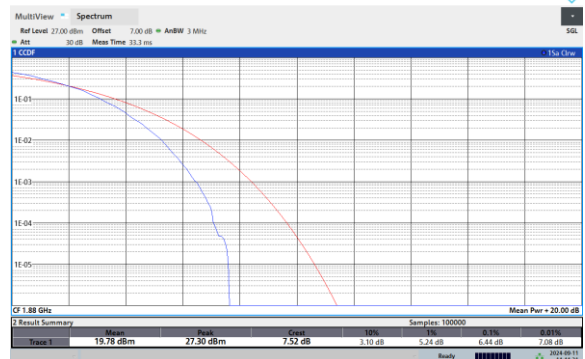
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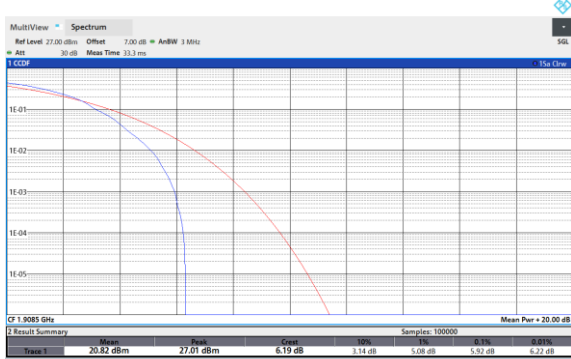
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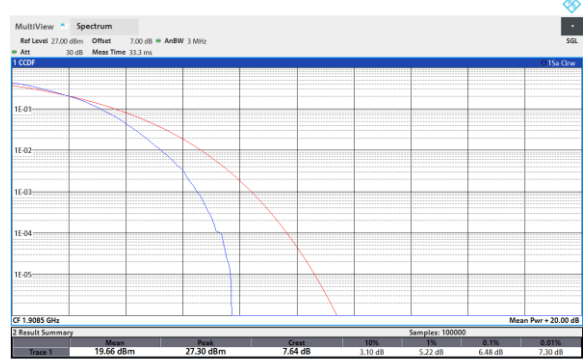
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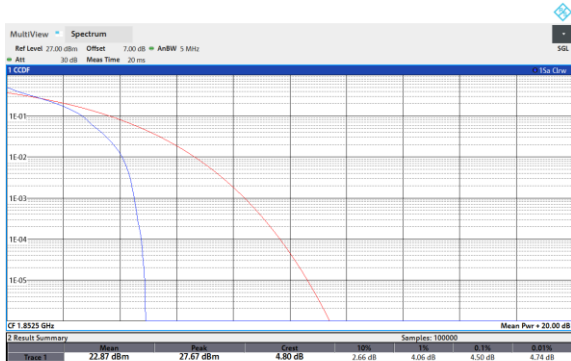
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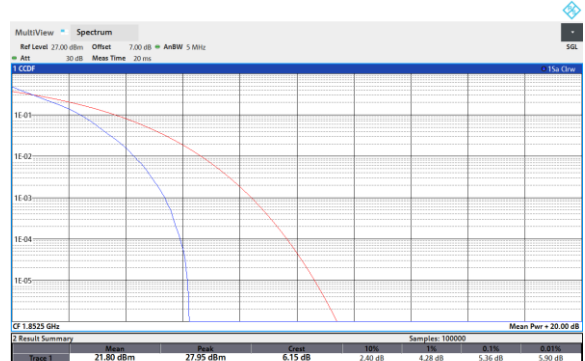
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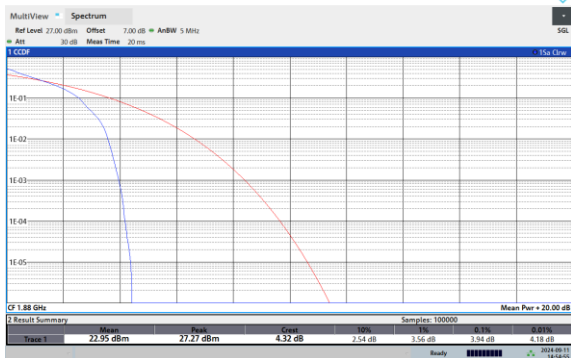
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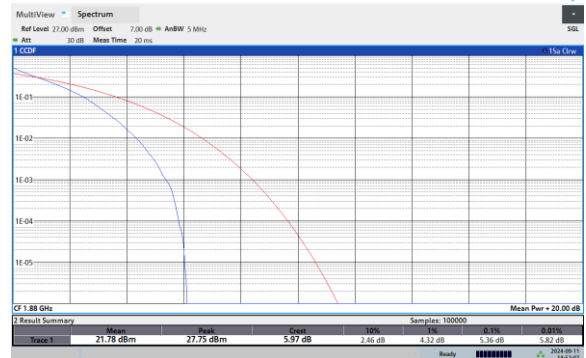
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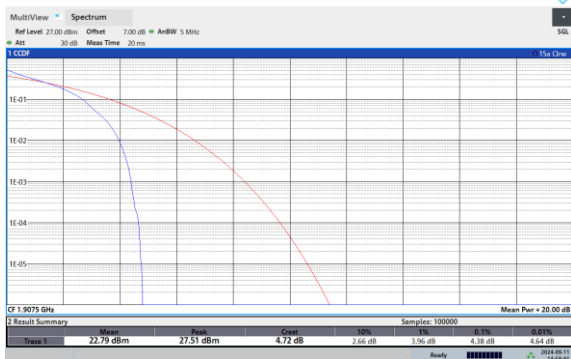
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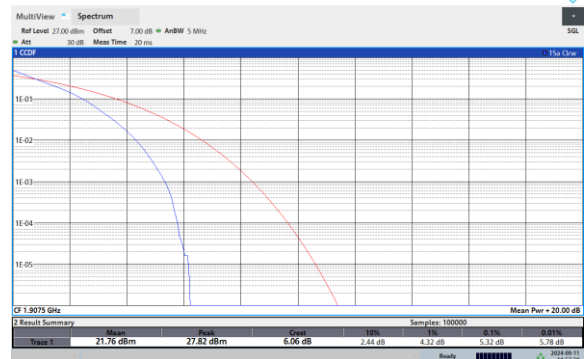
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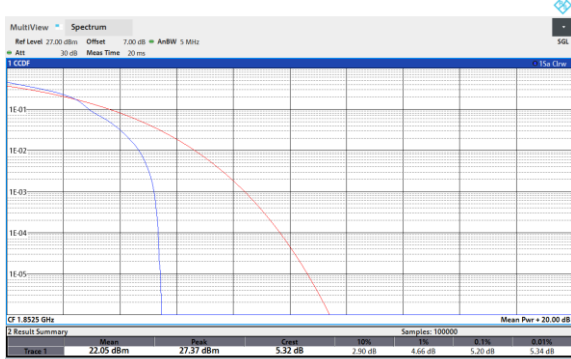
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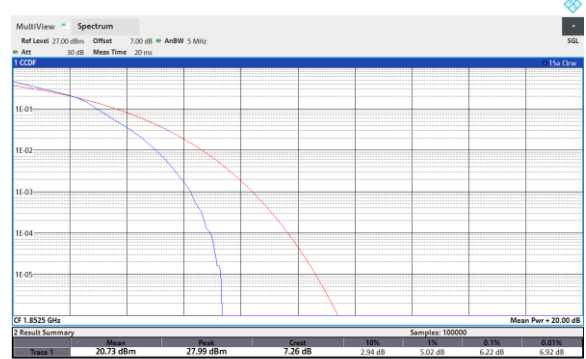
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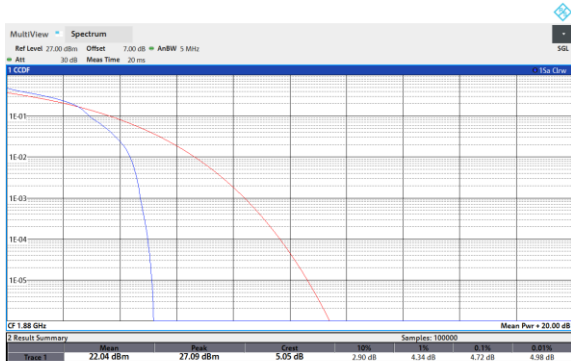
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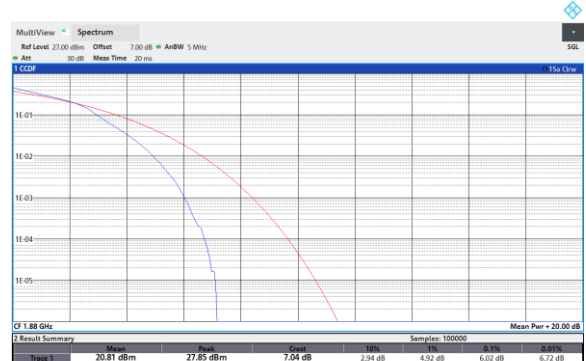
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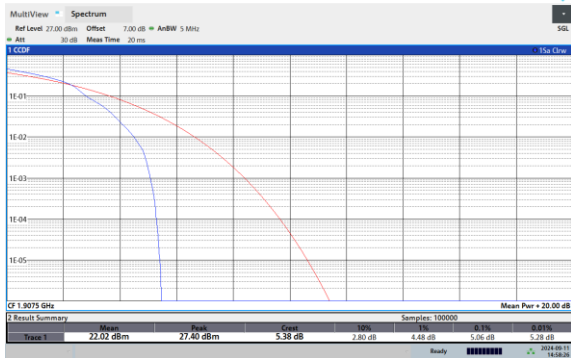
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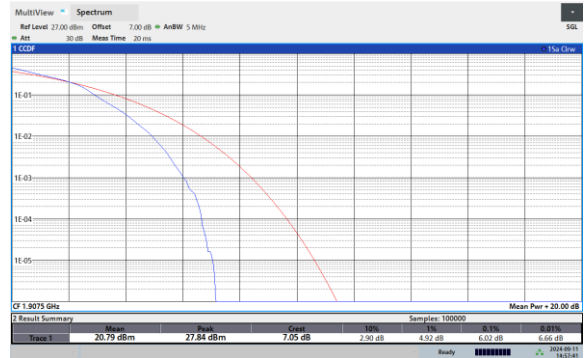


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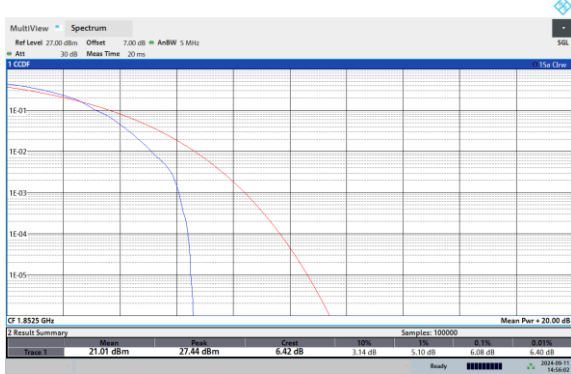
Test Report No.: PSU-NQN2406210109RF02



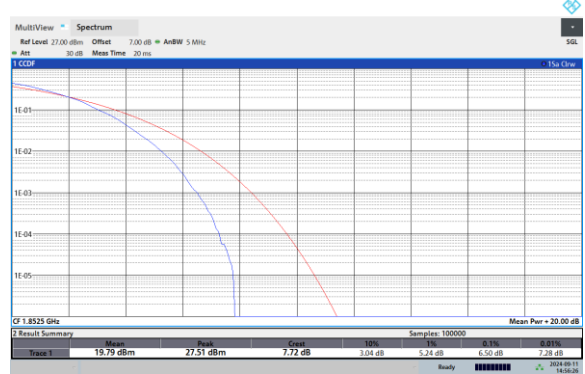
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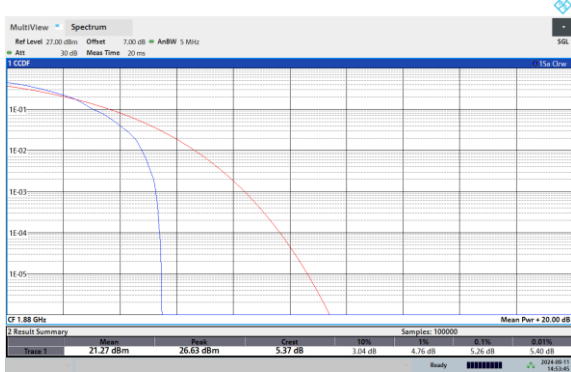
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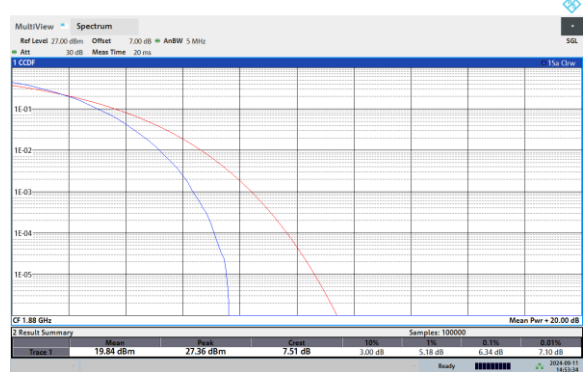
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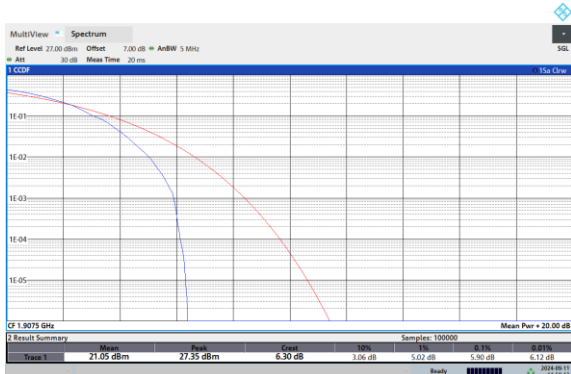
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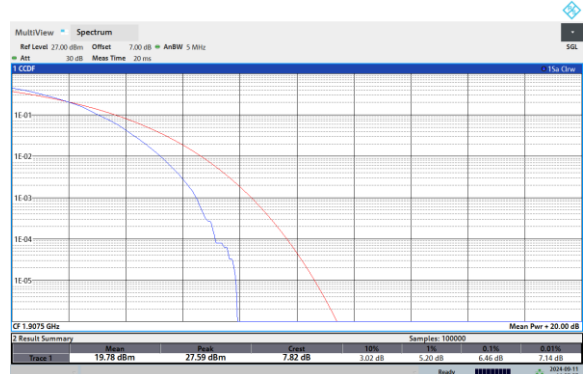
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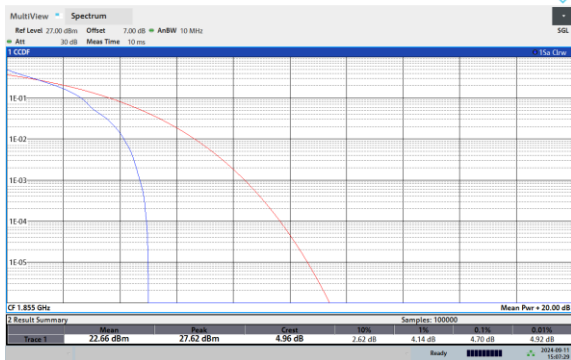


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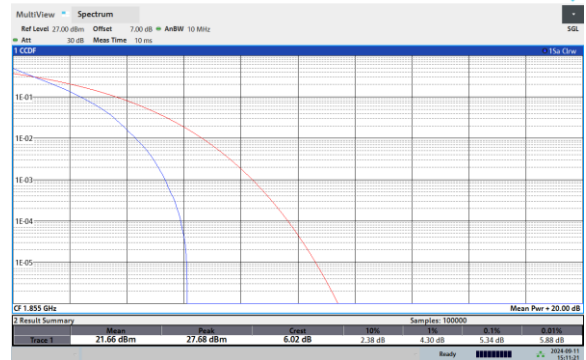


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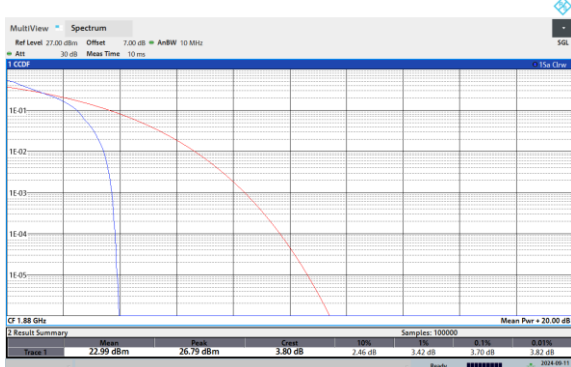




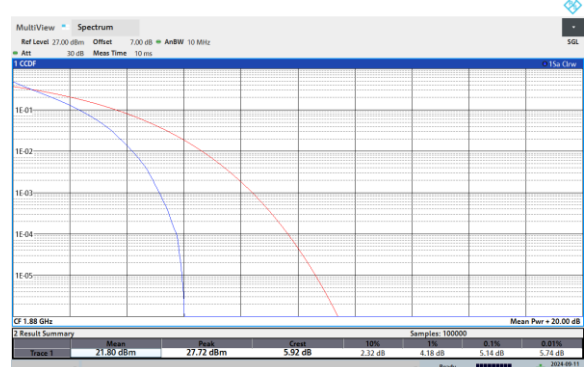
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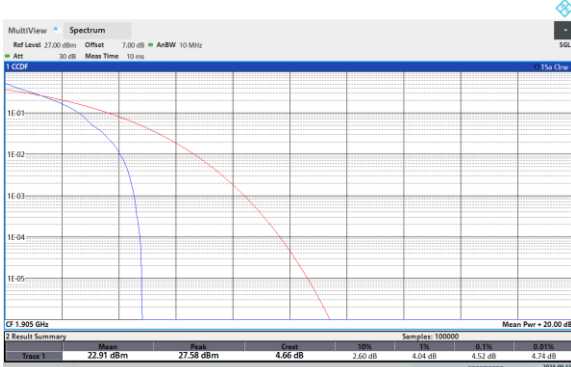
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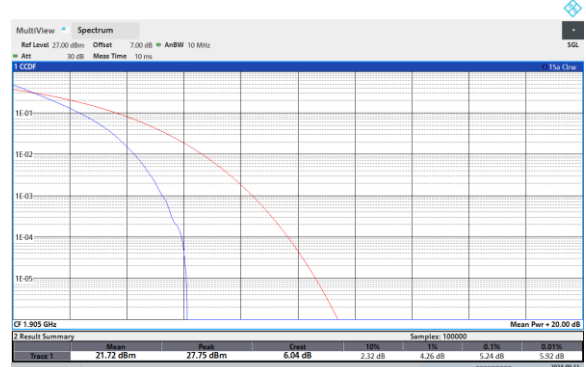
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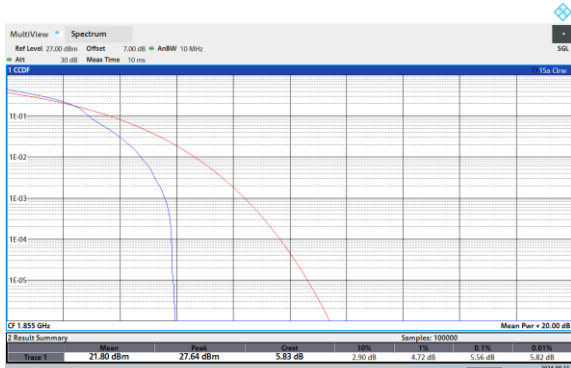
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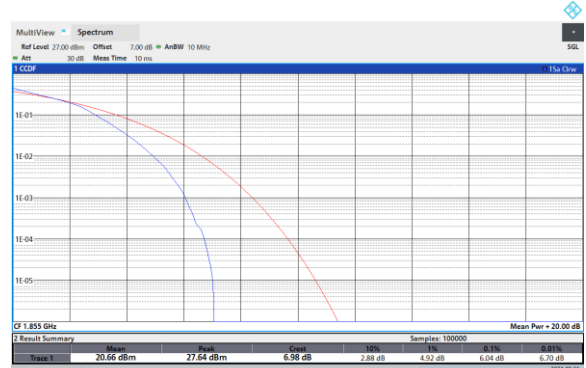
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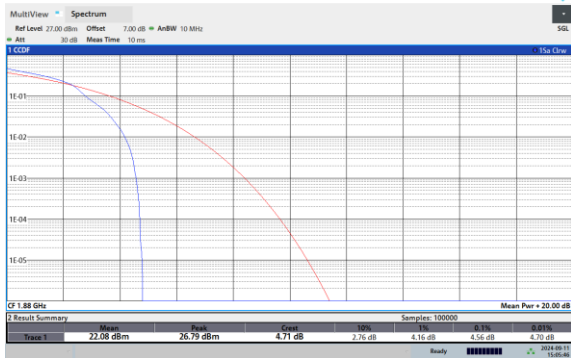
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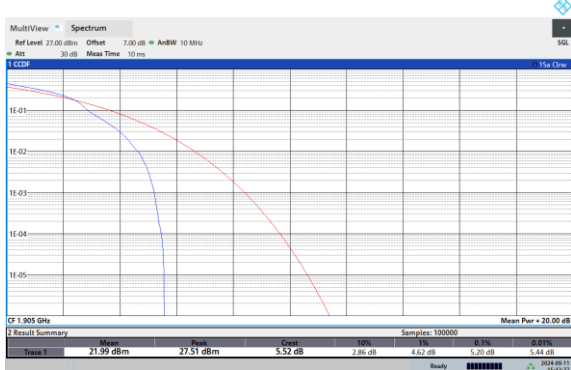
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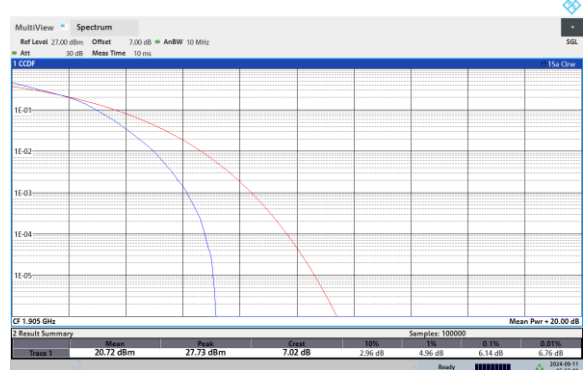
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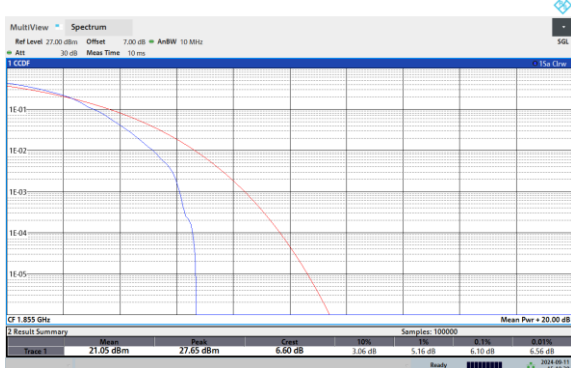
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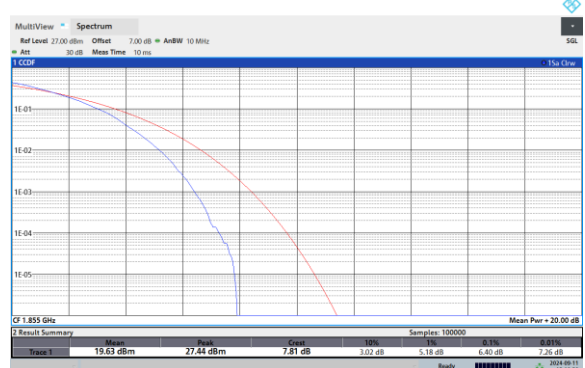
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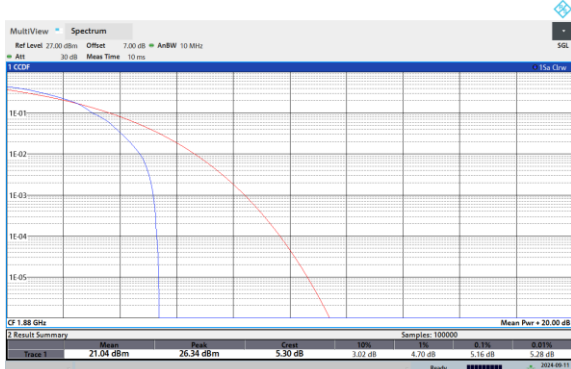
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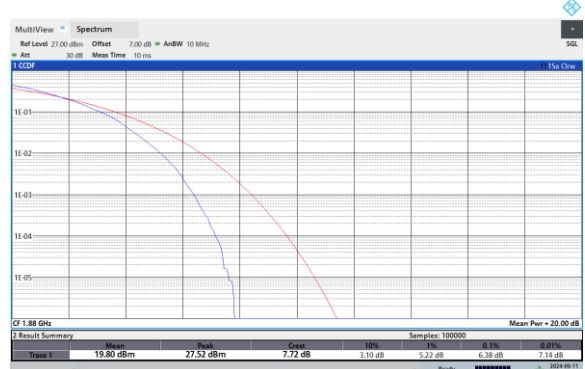
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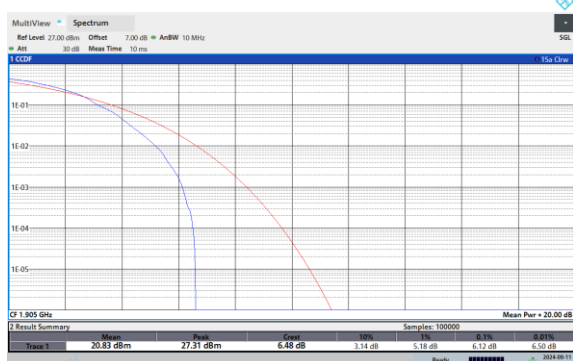


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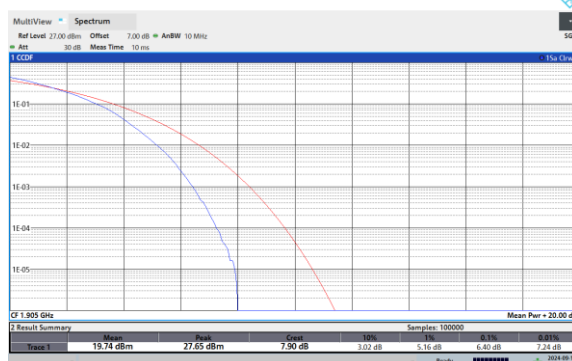


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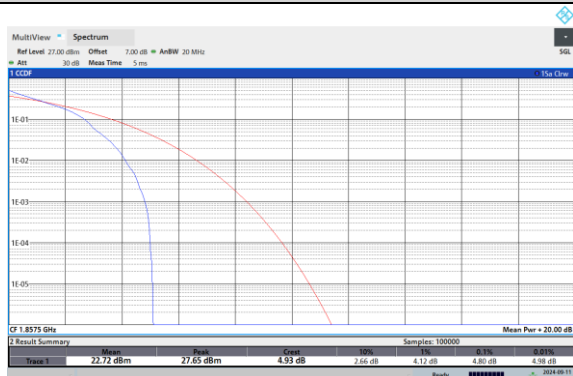
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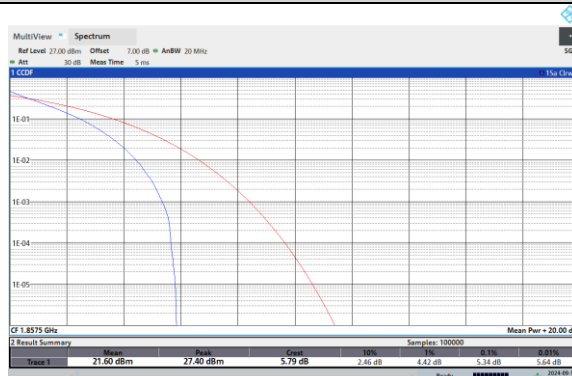
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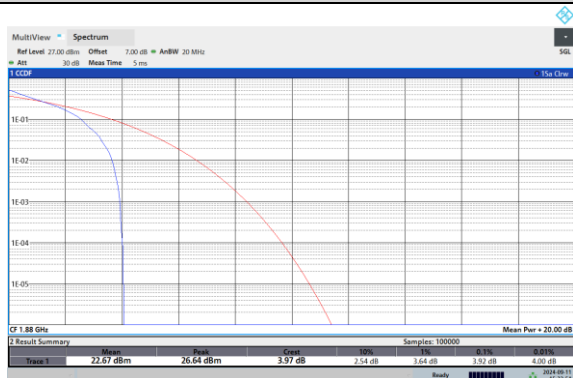
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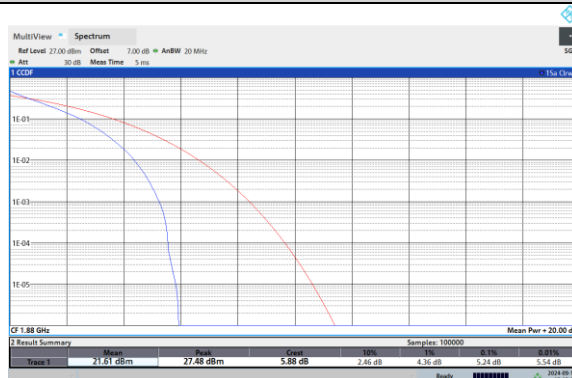
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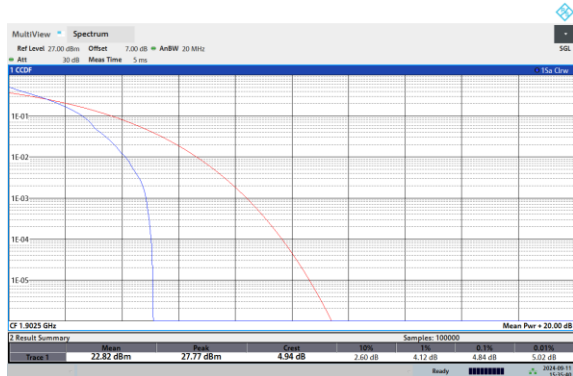
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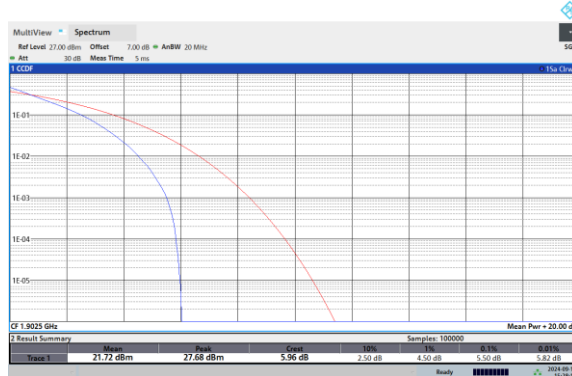
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Band2-15MHz-QPSK-19125-75RB#0



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