

# FCC LTE-Cat M1 Band13 Test Data

| General Description of EUT                                                                                                                            |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Product Name:                                                                                                                                         | AirSuite Glance LTE |
| Test Model:                                                                                                                                           | ASCM1420            |
| Sample ID:                                                                                                                                            | C-202305-0005-01-2# |
| Environmental Conditions                                                                                                                              |                     |
| Temperature:                                                                                                                                          | 25℃                 |
| Relative Humidity:                                                                                                                                    | 55%                 |
| Test Voltage:                                                                                                                                         | DC 5V               |
| Test Engineer:                                                                                                                                        | Huang jian ping     |
| Note: For a more detailed features description, please refer to the report <b>TBR-C-202305-0005-81</b> .<br>The report only show the worst case data. |                     |

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## 1: Conducted Power Output Data for M1

### 1.1 Test Result

| Band   | Bandwidth | Channel | Modulation | RB Size | RB Start | NBIndex | Result(dBm) | Verdict |
|--------|-----------|---------|------------|---------|----------|---------|-------------|---------|
| Band13 | 5MHz      | 23205   | QPSK       | 1       | 0        | Low     | 23.57       | PASS    |
| Band13 | 5MHz      | 23205   | QPSK       | 1       | 5        | Low     | 23.87       | PASS    |
| Band13 | 5MHz      | 23205   | QPSK       | 6       | 0        | Low     | 22.60       | PASS    |
| Band13 | 5MHz      | 23230   | QPSK       | 1       | 0        | Low     | 23.60       | PASS    |
| Band13 | 5MHz      | 23230   | QPSK       | 1       | 5        | Low     | 23.83       | PASS    |
| Band13 | 5MHz      | 23230   | QPSK       | 6       | 0        | Low     | 22.69       | PASS    |
| Band13 | 5MHz      | 23255   | QPSK       | 1       | 0        | High    | 23.56       | PASS    |
| Band13 | 5MHz      | 23255   | QPSK       | 1       | 5        | High    | 23.81       | PASS    |
| Band13 | 5MHz      | 23255   | QPSK       | 6       | 0        | High    | 22.55       | PASS    |
| Band13 | 5MHz      | 23205   | 16QAM      | 1       | 0        | Low     | 23.51       | PASS    |
| Band13 | 5MHz      | 23205   | 16QAM      | 1       | 5        | Low     | 23.53       | PASS    |
| Band13 | 5MHz      | 23205   | 16QAM      | 6       | 0        | Low     | 22.61       | PASS    |
| Band13 | 5MHz      | 23230   | 16QAM      | 1       | 0        | Low     | 23.49       | PASS    |
| Band13 | 5MHz      | 23230   | 16QAM      | 1       | 5        | Low     | 23.57       | PASS    |
| Band13 | 5MHz      | 23230   | 16QAM      | 6       | 0        | Low     | 22.69       | PASS    |
| Band13 | 5MHz      | 23255   | 16QAM      | 1       | 0        | High    | 23.42       | PASS    |
| Band13 | 5MHz      | 23255   | 16QAM      | 1       | 5        | High    | 23.77       | PASS    |
| Band13 | 5MHz      | 23255   | 16QAM      | 6       | 0        | High    | 22.56       | PASS    |
| Band13 | 10MHz     | 23230   | QPSK       | 1       | 0        | Low     | 23.67       | PASS    |
| Band13 | 10MHz     | 23230   | QPSK       | 1       | 5        | Low     | 23.80       | PASS    |
| Band13 | 10MHz     | 23230   | QPSK       | 6       | 0        | Low     | 22.76       | PASS    |
| Band13 | 10MHz     | 23230   | 16QAM      | 1       | 0        | Low     | 23.54       | PASS    |
| Band13 | 10MHz     | 23230   | 16QAM      | 1       | 5        | Low     | 23.80       | PASS    |
| Band13 | 10MHz     | 23230   | 16QAM      | 6       | 0        | Low     | 22.76       | PASS    |

## 2: Peak-to-Average Ratio(CCDF) for M1

### 2.1 Test Result

| Band   | Bandwidth | Channel | Modulation | RB Size | RB Start | NBIndex | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|---------|------------|---------|----------|---------|------------|-----------|---------|
| Band13 | 5MHz      | 23205   | QPSK       | 1       | 0        | Low     | 10.60      | <=13      | PASS    |
| Band13 | 5MHz      | 23205   | QPSK       | 6       | 0        | Low     | 9.80       | <=13      | PASS    |
| Band13 | 5MHz      | 23230   | QPSK       | 1       | 0        | Low     | 12.44      | <=13      | PASS    |
| Band13 | 5MHz      | 23230   | QPSK       | 6       | 0        | Low     | 10.06      | <=13      | PASS    |
| Band13 | 5MHz      | 23255   | QPSK       | 1       | 0        | High    | 9.51       | <=13      | PASS    |
| Band13 | 5MHz      | 23255   | QPSK       | 6       | 0        | High    | 9.91       | <=13      | PASS    |
| Band13 | 5MHz      | 23205   | 16QAM      | 1       | 0        | Low     | 12.49      | <=13      | PASS    |
| Band13 | 5MHz      | 23205   | 16QAM      | 6       | 0        | Low     | 8.48       | <=13      | PASS    |
| Band13 | 5MHz      | 23230   | 16QAM      | 1       | 0        | Low     | 10.18      | <=13      | PASS    |
| Band13 | 5MHz      | 23230   | 16QAM      | 6       | 0        | Low     | 9.42       | <=13      | PASS    |
| Band13 | 5MHz      | 23255   | 16QAM      | 1       | 0        | High    | 10.11      | <=13      | PASS    |
| Band13 | 5MHz      | 23255   | 16QAM      | 6       | 0        | High    | 9.82       | <=13      | PASS    |
| Band13 | 10MHz     | 23230   | QPSK       | 1       | 0        | Low     | 8.53       | <=13      | PASS    |
| Band13 | 10MHz     | 23230   | QPSK       | 6       | 0        | Low     | 7.86       | <=13      | PASS    |
| Band13 | 10MHz     | 23230   | 16QAM      | 1       | 0        | Low     | 12.99      | <=13      | PASS    |
| Band13 | 10MHz     | 23230   | 16QAM      | 6       | 0        | Low     | 10.39      | <=13      | PASS    |

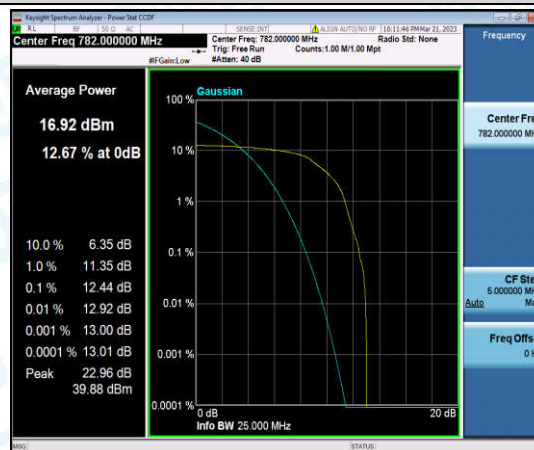
## 2.2 Test Graphs



Band13-5MHz-QPSK-23205-1-0-Low-10.60-<=13-PASS



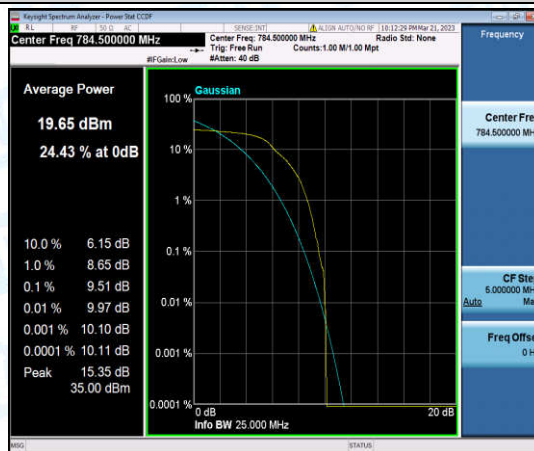
Band13-5MHz-QPSK-23205-6-0-Low-9.80-<=13-PASS



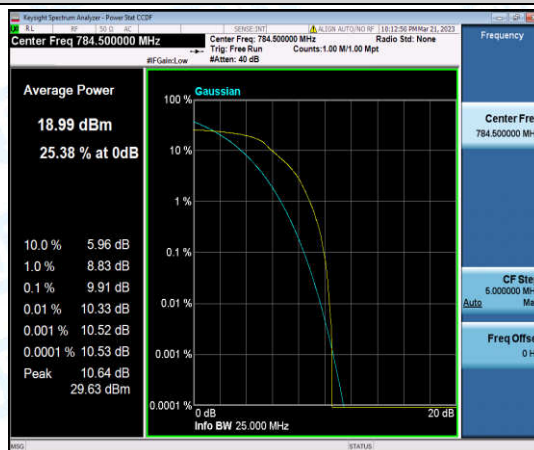
Band13-5MHz-QPSK-23230-1-0-Low-12.44-<=13-PASS



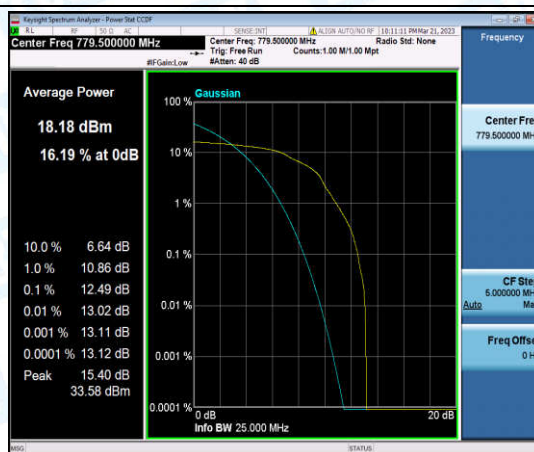
Band13-5MHz-QPSK-23230-6-0-Low-10.06-<=13-PASS



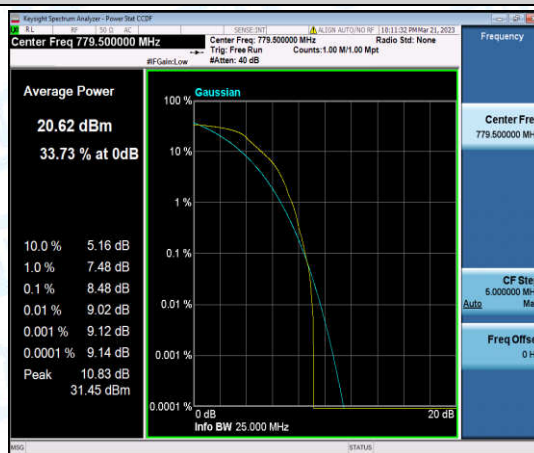
Band13-5MHz-QPSK-23255-1-0-High-9.51-<=13-PASS



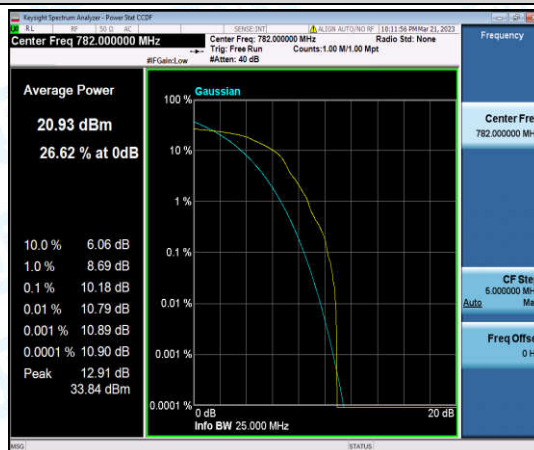
Band13-5MHz-QPSK-23255-6-0-High-9.91-<=13-PASS



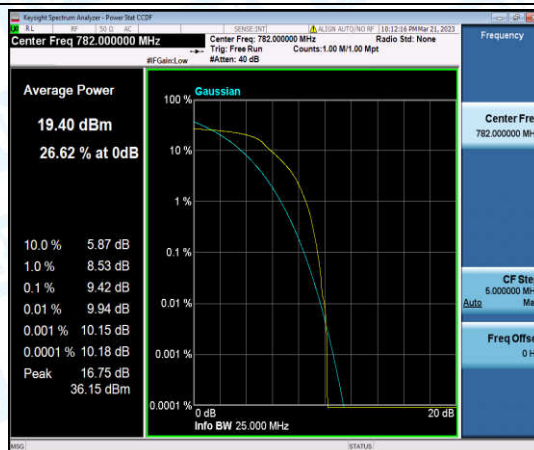
Band13-5MHz-16QAM-23205-1-0-Low-12.49-<=13-PASS



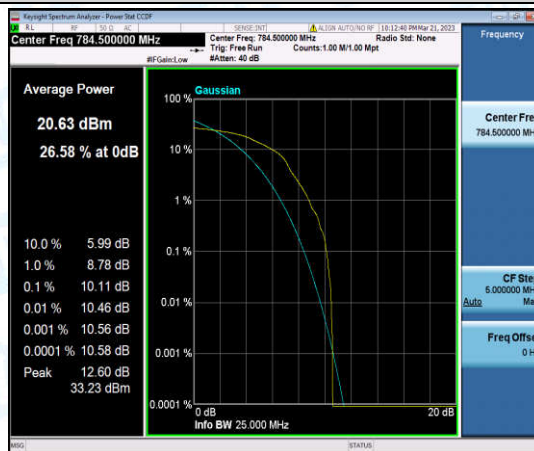
Band13-5MHz-16QAM-23205-6-0-Low-8.48-<=13-PASS



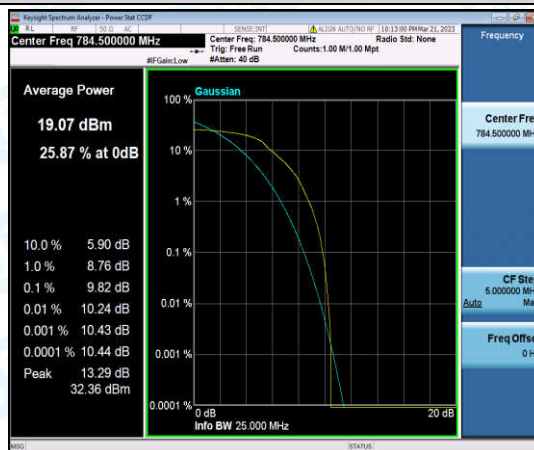
Band13-5MHz-16QAM-23230-1-0-Low-10.18-<=13-PASS



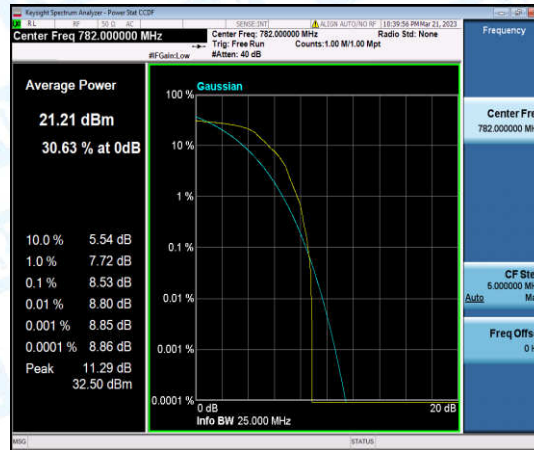
Band13-5MHz-16QAM-23230-6-0-Low-9.42-<=13-PASS



Band13-5MHz-16QAM-23255-1-0-High-10.11-<=13-PASS



Band13-5MHz-16QAM-23255-6-0-High-9.82-<=13-PASS



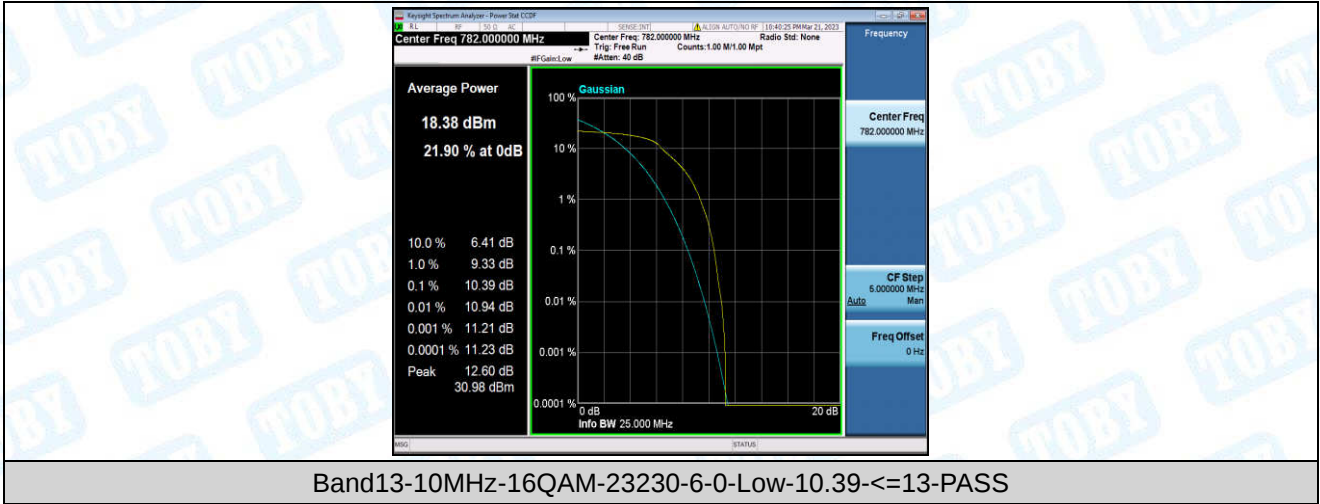
Band13-10MHz-QPSK-23230-1-0-Low-8.53-<=13-PASS



Band13-10MHz-QPSK-23230-6-0-Low-7.86-<=13-PASS



Band13-10MHz-16QAM-23230-1-0-Low-12.99-<=13-PASS

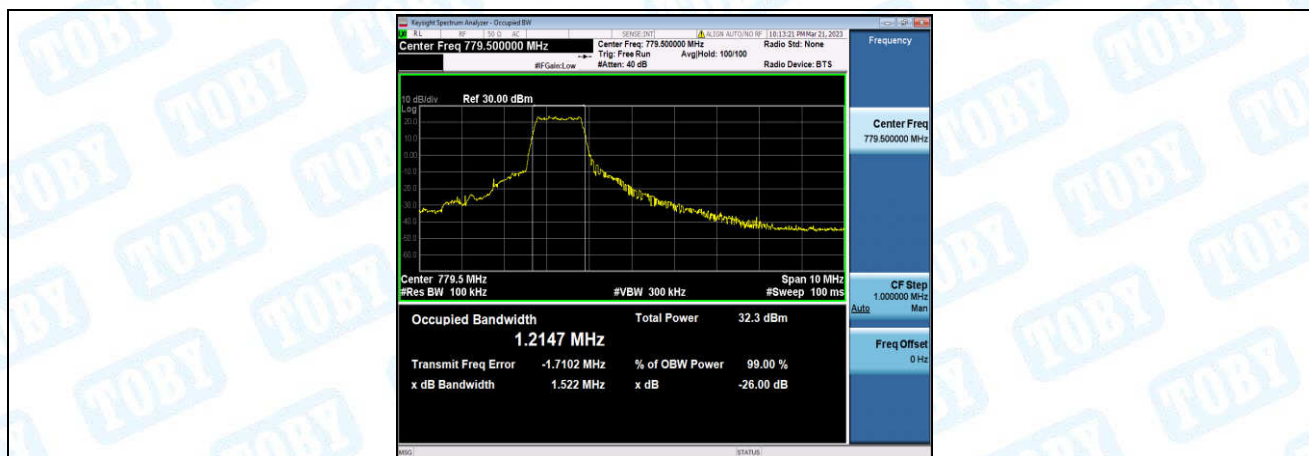


### 3: 26dB Bandwidth and Occupied Bandwidth for M1

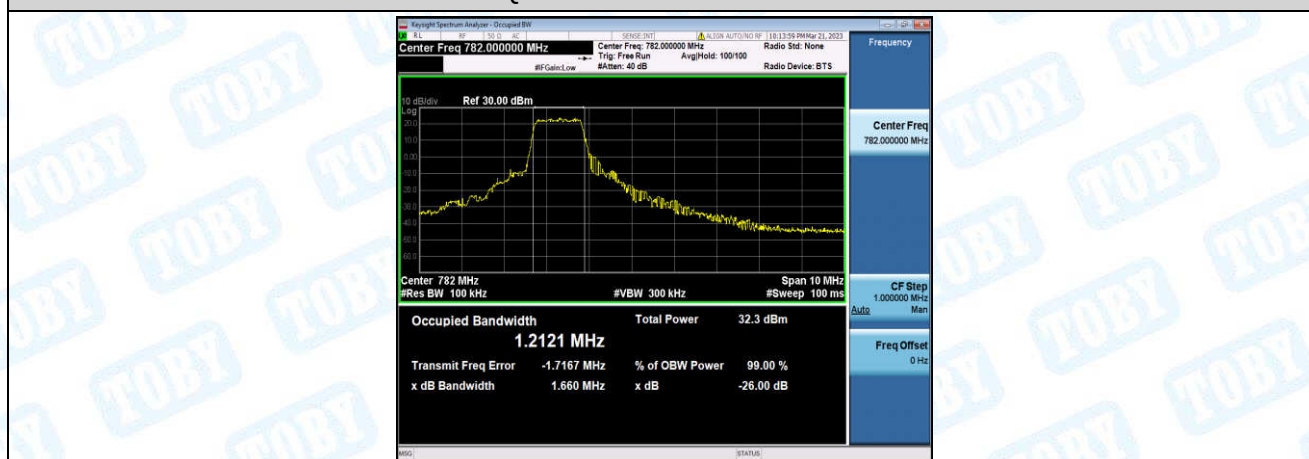
#### 3.1 Test Result

| Band   | Bandwidth | Channel | Modulation | RB Size | RB Start | NB Index | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|---------|------------|---------|----------|----------|--------------------------|----------------------|---------|
| Band13 | 5MHz      | 23205   | QPSK       | 6       | 0        | Low      | 1.2147                   | 1.522                | PASS    |
| Band13 | 5MHz      | 23230   | QPSK       | 6       | 0        | Low      | 1.2121                   | 1.660                | PASS    |
| Band13 | 5MHz      | 23255   | QPSK       | 6       | 0        | High     | 1.2119                   | 1.493                | PASS    |
| Band13 | 5MHz      | 23205   | 16QAM      | 6       | 0        | Low      | 1.2127                   | 1.490                | PASS    |
| Band13 | 5MHz      | 23230   | 16QAM      | 6       | 0        | Low      | 1.2101                   | 1.638                | PASS    |
| Band13 | 5MHz      | 23255   | 16QAM      | 6       | 0        | High     | 1.2162                   | 1.526                | PASS    |
| Band13 | 10MHz     | 23230   | QPSK       | 6       | 0        | Low      | 1.3815                   | 1.912                | PASS    |
| Band13 | 10MHz     | 23230   | 16QAM      | 6       | 0        | Low      | 1.3716                   | 2.038                | PASS    |

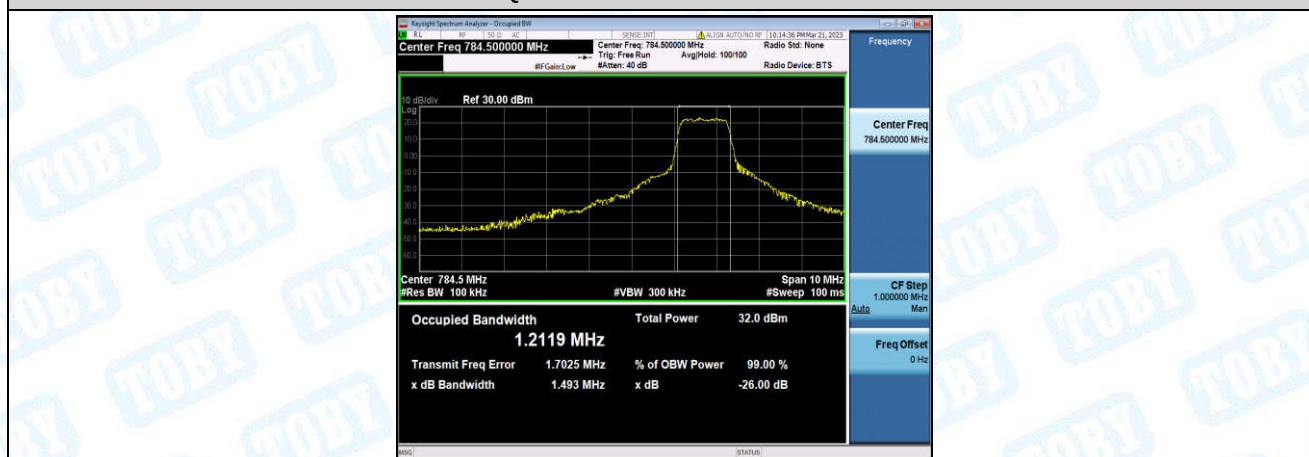
### 3.2 Test Graphs



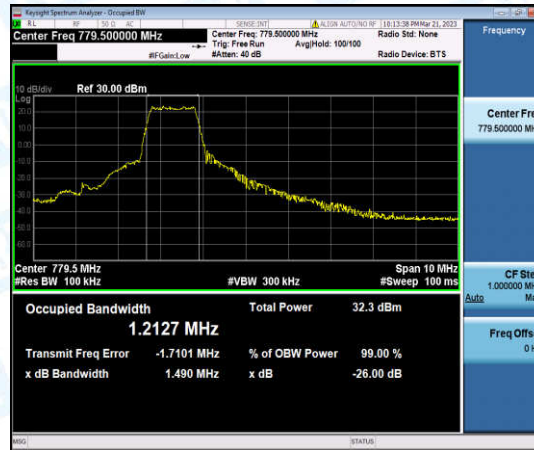
Band13-5MHz-QPSK-23205-6-0-Low-1.2147-1.522-PASS



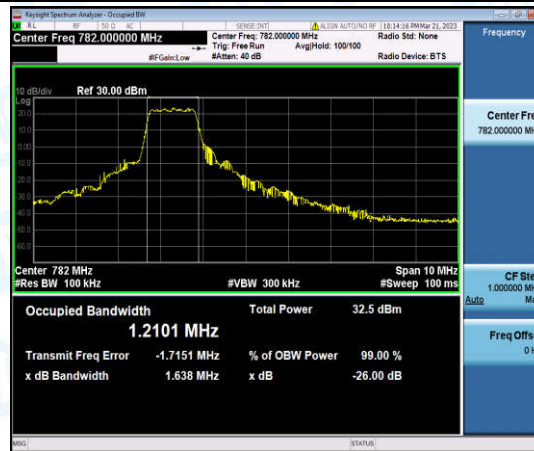
Band13-5MHz-QPSK-23230-6-0-Low-1.2121-1.660-PASS



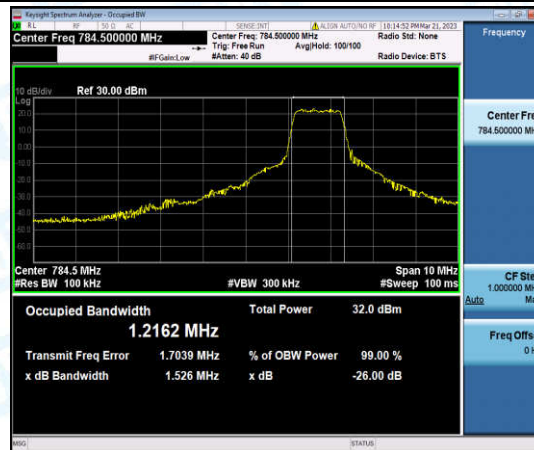
Band13-5MHz-QPSK-23255-6-0-High-1.2119-1.493-PASS



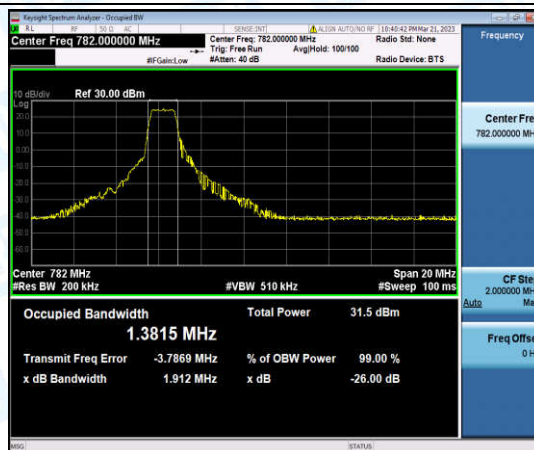
Band13-5MHz-16QAM-23205-6-0-Low-1.2127-1.490-PASS



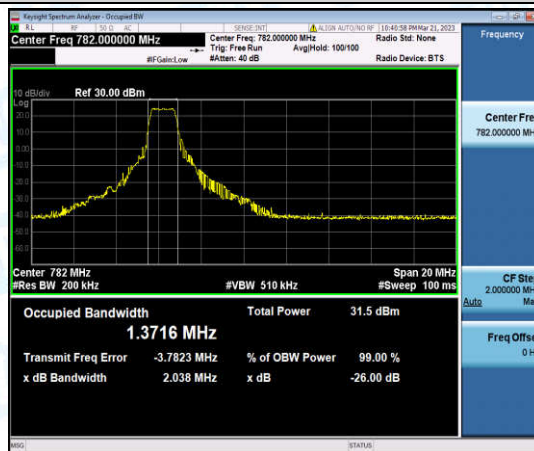
Band13-5MHz-16QAM-23230-6-0-Low-1.2101-1.638-PASS



Band13-5MHz-16QAM-23255-6-0-High-1.2162-1.526-PASS



Band13-10MHz-QPSK-23230-6-0-Low-1.3815-1.912-PASS



Band13-10MHz-16QAM-23230-6-0-Low-1.3716-2.038-PASS

## 4: Band Edge for M1

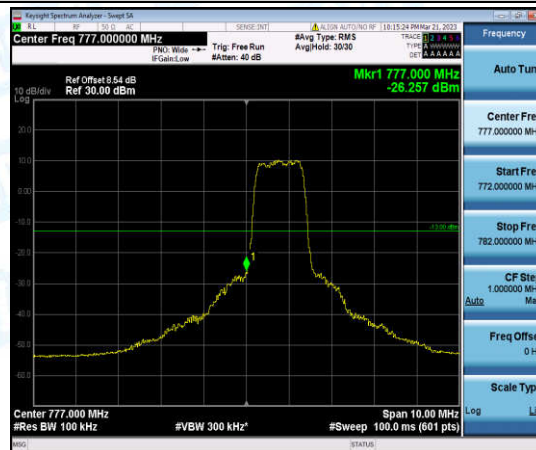
### 4.1 Test Result

| Band   | Bandwidth | Channel | Modulation | RB Size | RB Start | NB Index | Result(dBm) | Verdict |
|--------|-----------|---------|------------|---------|----------|----------|-------------|---------|
| Band13 | 5MHz      | 23205   | QPSK       | 1       | 0        | Low      | -23.75      | PASS    |
| Band13 | 5MHz      | 23205   | QPSK       | 6       | 0        | Low      | -26.26      | PASS    |
| Band13 | 5MHz      | 23255   | QPSK       | 1       | 0        | High     | -32.54      | PASS    |
| Band13 | 5MHz      | 23255   | QPSK       | 6       | 0        | High     | -25.53      | PASS    |
| Band13 | 5MHz      | 23205   | 16QAM      | 1       | 0        | Low      | -24.16      | PASS    |
| Band13 | 5MHz      | 23205   | 16QAM      | 6       | 0        | Low      | -27.14      | PASS    |
| Band13 | 5MHz      | 23255   | 16QAM      | 1       | 0        | High     | -31.55      | PASS    |
| Band13 | 5MHz      | 23255   | 16QAM      | 6       | 0        | High     | -25.05      | PASS    |

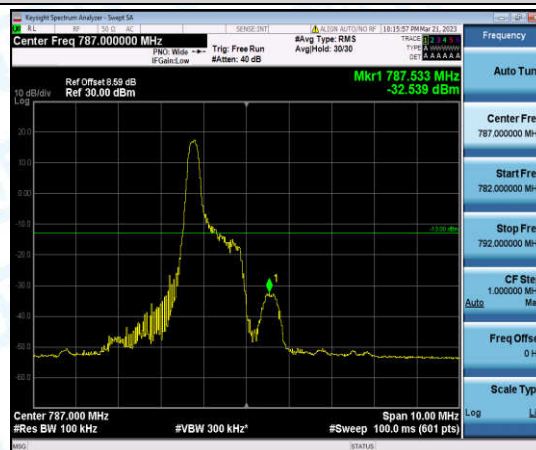
## 4.2 Test Graphs



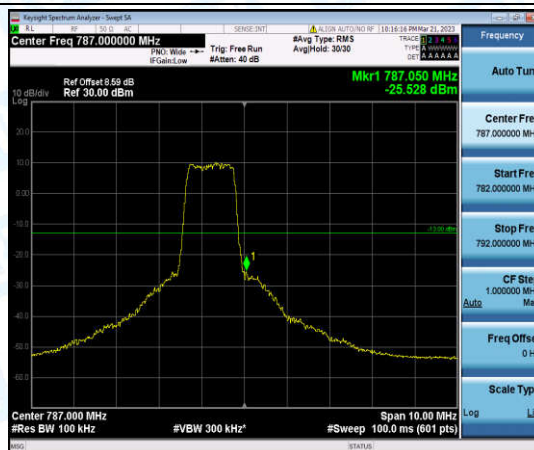
Band13-5MHz-QPSK-23205-1-0-Low--23.75-PASS



Band13-5MHz-QPSK-23205-6-0-Low--26.26-PASS



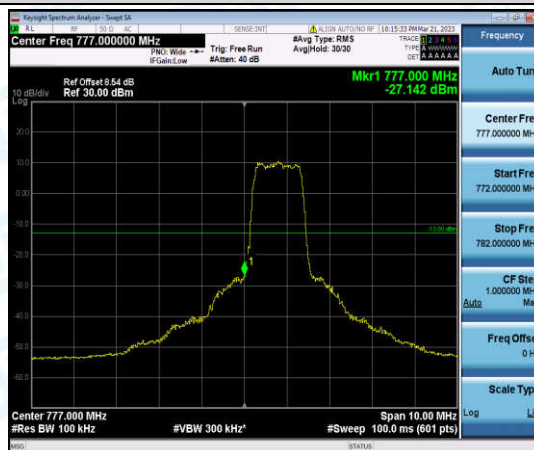
Band13-5MHz-QPSK-23255-1-0-High--32.54-PASS



Band13-5MHz-QPSK-23255-6-0-High--25.53-PASS



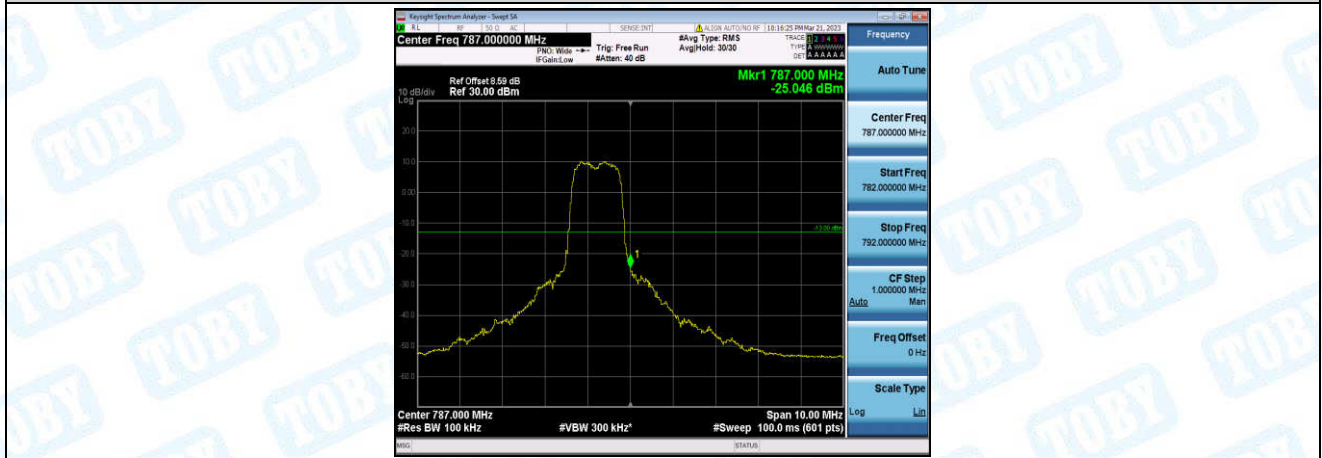
Band13-5MHz-16QAM-23205-1-0-Low--24.16-PASS



Band13-5MHz-16QAM-23205-6-0-Low--27.14-PASS



Band13-5MHz-16QAM-23255-1-0-High--31.55-PASS



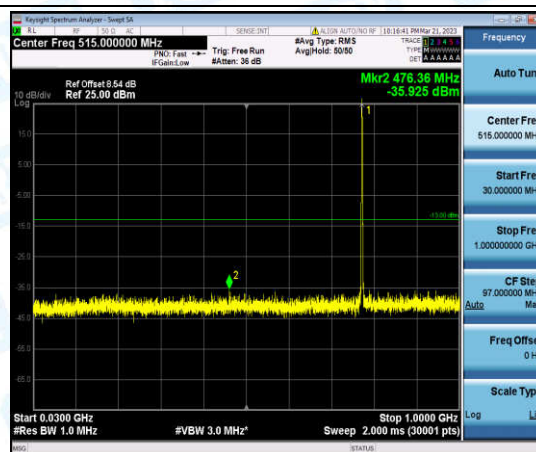
Band13-5MHz-16QAM-23255-6-0-High--25.05-PASS

## 5: Conducted Spurious Emission for M1

### 5.1 Test Result

| Band   | Bandwidth | Channel | Modulation | RB Size | RB Start | NB Index | Start Freq | Stop Freq | Result (dBm) | Verdict |
|--------|-----------|---------|------------|---------|----------|----------|------------|-----------|--------------|---------|
| Band13 | 5MHz      | 23205   | QPSK       | 1       | 0        | Low      | 30         | 1000      | -35.93       | PASS    |
| Band13 | 5MHz      | 23205   | QPSK       | 1       | 0        | Low      | 1000       | 5000      | -42.82       | PASS    |
| Band13 | 5MHz      | 23205   | QPSK       | 1       | 0        | Low      | 5000       | 12000     | -58.38       | PASS    |
| Band13 | 5MHz      | 23205   | QPSK       | 1       | 0        | Low      | 12000      | 26500     | -47.85       | PASS    |
| Band13 | 5MHz      | 23230   | QPSK       | 1       | 0        | Low      | 30         | 1000      | -35.67       | PASS    |
| Band13 | 5MHz      | 23230   | QPSK       | 1       | 0        | Low      | 1000       | 5000      | -42.64       | PASS    |
| Band13 | 5MHz      | 23230   | QPSK       | 1       | 0        | Low      | 5000       | 12000     | -58.42       | PASS    |
| Band13 | 5MHz      | 23230   | QPSK       | 1       | 0        | Low      | 12000      | 26500     | -47.81       | PASS    |
| Band13 | 5MHz      | 23255   | QPSK       | 1       | 0        | High     | 30         | 1000      | -35.66       | PASS    |
| Band13 | 5MHz      | 23255   | QPSK       | 1       | 0        | High     | 1000       | 5000      | -41.99       | PASS    |
| Band13 | 5MHz      | 23255   | QPSK       | 1       | 0        | High     | 5000       | 12000     | -58.46       | PASS    |
| Band13 | 5MHz      | 23255   | QPSK       | 1       | 0        | High     | 12000      | 26500     | -47.99       | PASS    |
| Band13 | 5MHz      | 23205   | 16QAM      | 1       | 0        | Low      | 30         | 1000      | -35.8        | PASS    |
| Band13 | 5MHz      | 23205   | 16QAM      | 1       | 0        | Low      | 1000       | 5000      | -43.04       | PASS    |
| Band13 | 5MHz      | 23205   | 16QAM      | 1       | 0        | Low      | 5000       | 12000     | -58.41       | PASS    |
| Band13 | 5MHz      | 23205   | 16QAM      | 1       | 0        | Low      | 12000      | 26500     | -48          | PASS    |
| Band13 | 5MHz      | 23230   | 16QAM      | 1       | 0        | Low      | 30         | 1000      | -36.18       | PASS    |
| Band13 | 5MHz      | 23230   | 16QAM      | 1       | 0        | Low      | 1000       | 5000      | -43.09       | PASS    |
| Band13 | 5MHz      | 23230   | 16QAM      | 1       | 0        | Low      | 5000       | 12000     | -58.34       | PASS    |
| Band13 | 5MHz      | 23230   | 16QAM      | 1       | 0        | Low      | 12000      | 26500     | -48.01       | PASS    |
| Band13 | 5MHz      | 23255   | 16QAM      | 1       | 0        | High     | 30         | 1000      | -36.3        | PASS    |
| Band13 | 5MHz      | 23255   | 16QAM      | 1       | 0        | High     | 1000       | 5000      | -42.36       | PASS    |
| Band13 | 5MHz      | 23255   | 16QAM      | 1       | 0        | High     | 5000       | 12000     | -58.46       | PASS    |
| Band13 | 5MHz      | 23255   | 16QAM      | 1       | 0        | High     | 12000      | 26500     | -47.85       | PASS    |

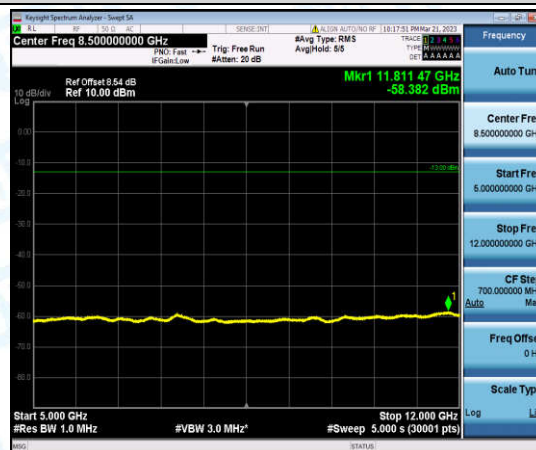
## 5.2 Test Graphs



Band13-5MHz-QPSK-23205-1-0-Low-30-1000--35.93-PASS



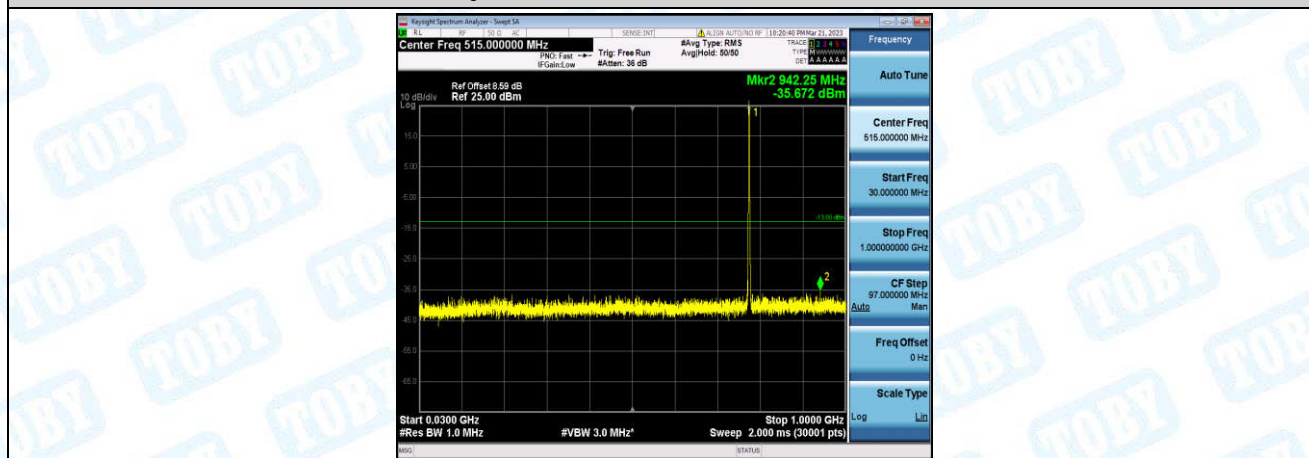
Band13-5MHz-QPSK-23205-1-0-Low-1000-5000--42.82-PASS



Band13-5MHz-QPSK-23205-1-0-Low-5000-12000--58.38-PASS



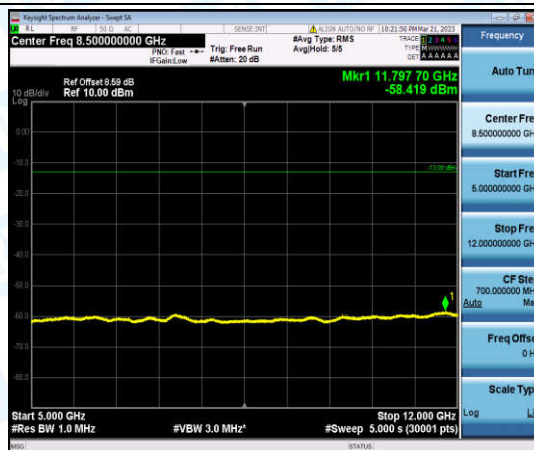
Band13-5MHz-QPSK-23205-1-0-Low-12000-26500--47.85-PASS



Band13-5MHz-QPSK-23230-1-0-Low-30-1000--35.67-PASS



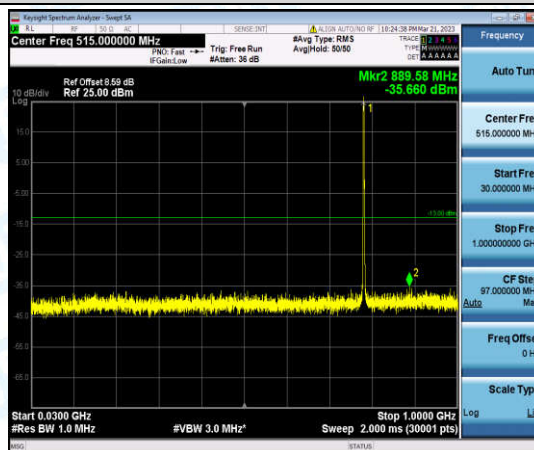
Band13-5MHz-QPSK-23230-1-0-Low-1000-5000--42.64-PASS



Band13-5MHz-QPSK-23230-1-0-Low-5000-12000--58.42-PASS



Band13-5MHz-QPSK-23230-1-0-Low-12000-26500--47.81-PASS



Band13-5MHz-QPSK-23255-1-0-High-30-1000--35.66-PASS



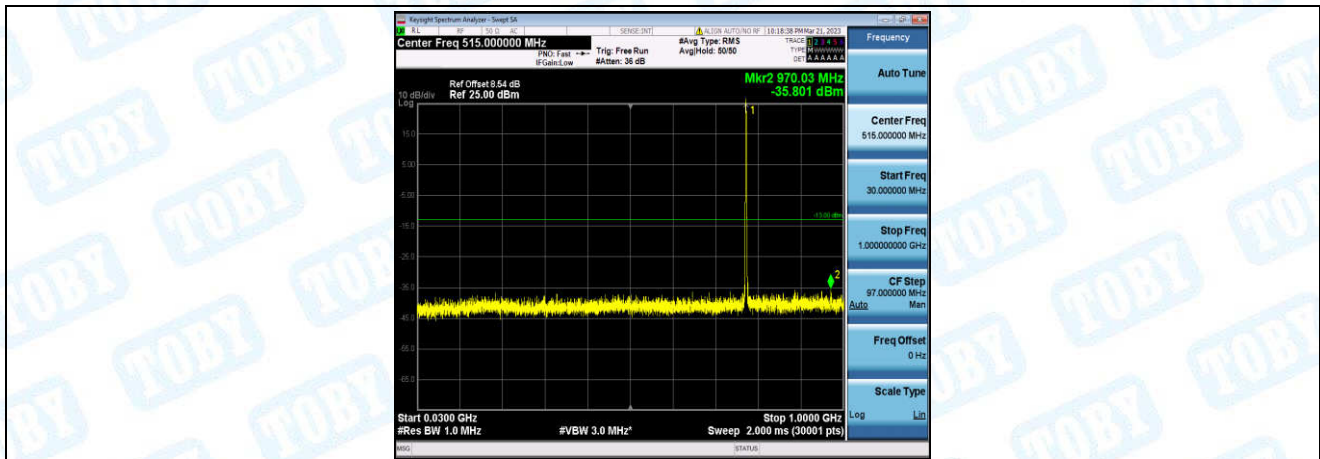
Band13-5MHz-QPSK-23255-1-0-High-1000-5000--41.99-PASS



Band13-5MHz-QPSK-23255-1-0-High-5000-12000--58.46-PASS



Band13-5MHz-QPSK-23255-1-0-High-12000-26500--47.99-PASS



Band13-5MHz-16QAM-23205-1-0-Low-30-1000--35.8-PASS



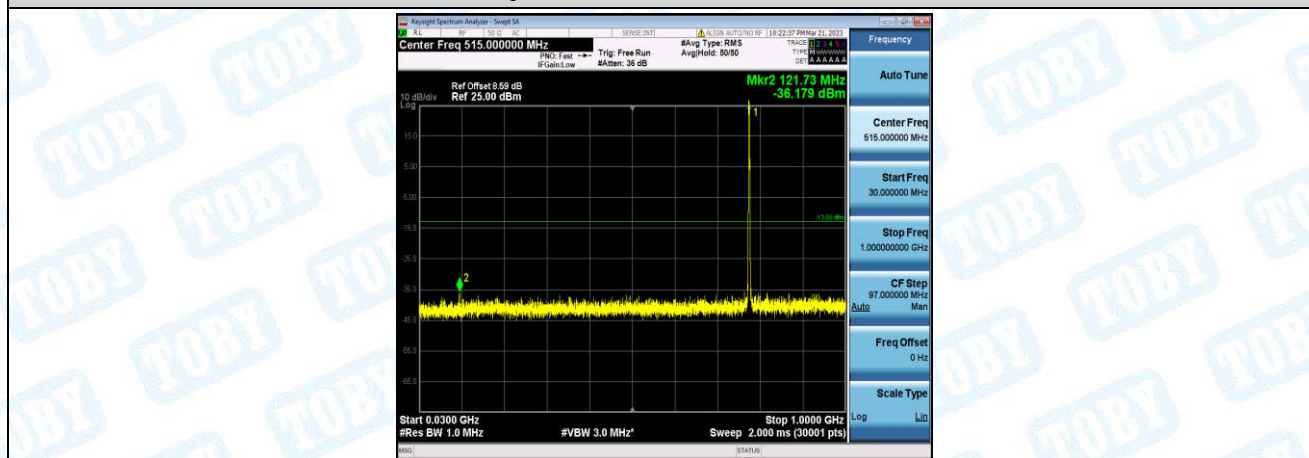
Band13-5MHz-16QAM-23205-1-0-Low-1000-5000--43.04-PASS



Band13-5MHz-16QAM-23205-1-0-Low-5000-12000--58.41-PASS



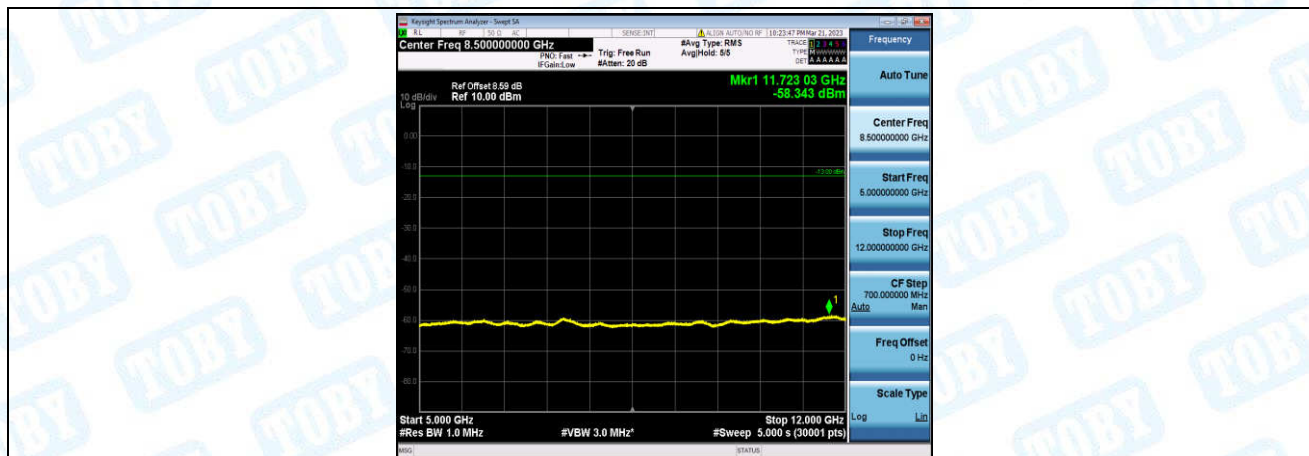
Band13-5MHz-16QAM-23205-1-0-Low-12000-26500--48-PASS



Band13-5MHz-16QAM-23230-1-0-Low-30-1000--36.18-PASS



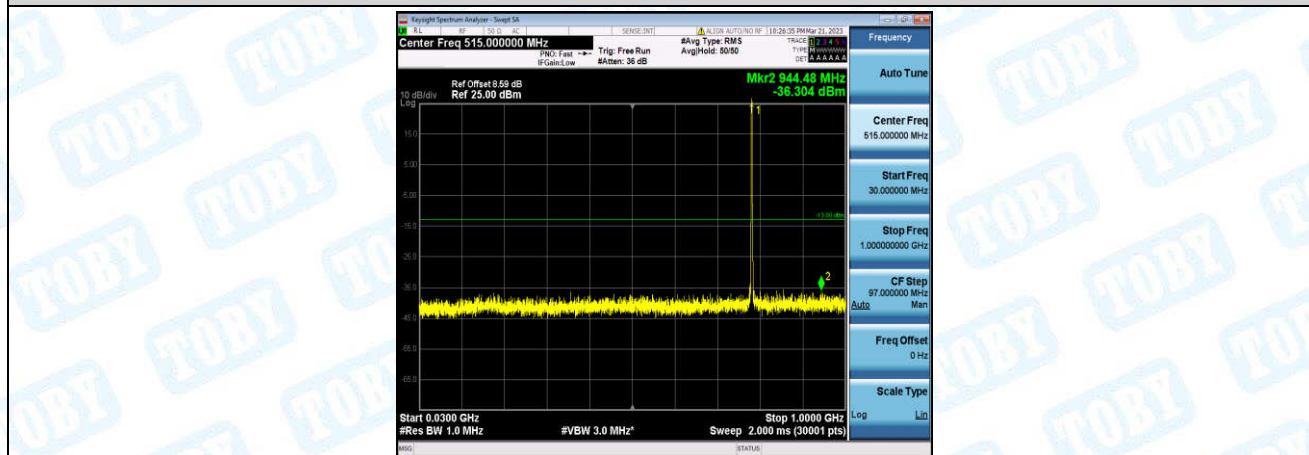
Band13-5MHz-16QAM-23230-1-0-Low-1000-5000--43.09-PASS



Band13-5MHz-16QAM-23230-1-0-Low-5000-12000--58.34-PASS



Band13-5MHz-16QAM-23230-1-0-Low-12000-26500--48.01-PASS



Band13-5MHz-16QAM-23255-1-0-High-30-1000--36.3-PASS



Band13-5MHz-16QAM-23255-1-0-High-1000-5000--42.36-PASS



Band13-5MHz-16QAM-23255-1-0-High-5000-12000--58.46-PASS



Band13-5MHz-16QAM-23255-1-0-High-12000-26500--47.85-PASS

## 6: Frequency Stability for M1

### 6.1 Test Result

| Voltage |           |         |            |         |          |          |               |                  |                |                 |             |         |
|---------|-----------|---------|------------|---------|----------|----------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Channel | Modulation | RB Size | RB Start | NB Index | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band13  | 5MHz      | 23205   | QPSK       | 6       | 0        | Low      | VL            | NT               | 6.58           | 0.008441        | ±2.5        | PASS    |
| Band13  | 5MHz      | 23205   | QPSK       | 6       | 0        | Low      | VH            | NT               | 5.98           | 0.007672        | ±2.5        | PASS    |
| Band13  | 5MHz      | 23205   | QPSK       | 6       | 0        | Low      | VN            | NT               | 6.59           | 0.008454        | ±2.5        | PASS    |
| Band13  | 5MHz      | 23230   | QPSK       | 6       | 0        | Low      | VN            | NT               | -5.80          | -0.007417       | ±2.5        | PASS    |
| Band13  | 5MHz      | 23230   | QPSK       | 6       | 0        | Low      | VL            | NT               | -3.01          | -0.003849       | ±2.5        | PASS    |
| Band13  | 5MHz      | 23230   | QPSK       | 6       | 0        | Low      | VH            | NT               | -2.62          | -0.003350       | ±2.5        | PASS    |
| Band13  | 5MHz      | 23255   | QPSK       | 6       | 0        | High     | VN            | NT               | 5.42           | 0.006909        | ±2.5        | PASS    |
| Band13  | 5MHz      | 23255   | QPSK       | 6       | 0        | High     | VH            | NT               | 7.12           | 0.009076        | ±2.5        | PASS    |
| Band13  | 5MHz      | 23255   | QPSK       | 6       | 0        | High     | VL            | NT               | 6.81           | 0.008681        | ±2.5        | PASS    |
| Band13  | 5MHz      | 23205   | 16QAM      | 6       | 0        | Low      | VN            | NT               | 7.22           | 0.009262        | ±2.5        | PASS    |
| Band13  | 5MHz      | 23205   | 16QAM      | 6       | 0        | Low      | VL            | NT               | 7.84           | 0.010058        | ±2.5        | PASS    |
| Band13  | 5MHz      | 23205   | 16QAM      | 6       | 0        | Low      | VH            | NT               | 7.91           | 0.010148        | ±2.5        | PASS    |
| Band13  | 5MHz      | 23230   | 16QAM      | 6       | 0        | Low      | VN            | NT               | -2.65          | -0.003389       | ±2.5        | PASS    |
| Band13  | 5MHz      | 23230   | 16QAM      | 6       | 0        | Low      | VH            | NT               | 3.25           | 0.004156        | ±2.5        | PASS    |
| Band13  | 5MHz      | 23230   | 16QAM      | 6       | 0        | Low      | VL            | NT               | -2.76          | -0.003529       | ±2.5        | PASS    |
| Band13  | 5MHz      | 23255   | 16QAM      | 6       | 0        | High     | VN            | NT               | 9.10           | 0.011600        | ±2.5        | PASS    |
| Band13  | 5MHz      | 23255   | 16QAM      | 6       | 0        | High     | VL            | NT               | 8.16           | 0.010402        | ±2.5        | PASS    |
| Band13  | 5MHz      | 23255   | 16QAM      | 6       | 0        | High     | VH            | NT               | 8.43           | 0.010746        | ±2.5        | PASS    |
| Band13  | 10MHz     | 23230   | QPSK       | 6       | 0        | Low      | VN            | NT               | -12.87         | -0.016458       | ±2.5        | PASS    |
| Band13  | 10MHz     | 23230   | QPSK       | 6       | 0        | Low      | VL            | NT               | -12.22         | -0.015627       | ±2.5        | PASS    |
| Band13  | 10MHz     | 23230   | QPSK       | 6       | 0        | Low      | VH            | NT               | -13.15         | -0.016816       | ±2.5        | PASS    |
| Band13  | 10MHz     | 23230   | 16QAM      | 6       | 0        | Low      | VH            | NT               | -12.10         | -0.015473       | ±2.5        | PASS    |
| Band13  | 10MHz     | 23230   | 16QAM      | 6       | 0        | Low      | VN            | NT               | -12.03         | -0.015384       | ±2.5        | PASS    |
| Band13  | 10MHz     | 23230   | 16QAM      | 6       | 0        | Low      | VL            | NT               | -11.93         | -0.015256       | ±2.5        | PASS    |

| Temperature |           |            |         |         |          |          |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|---------|----------|----------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Size | RB Start | NB Index | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band13      | 5MHz      | 23205      | QPSK    | 6       | 0        | Low      | NV            | 40               | 8.45           | 0.010840        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | QPSK    | 6       | 0        | Low      | NV            | 50               | 7.31           | 0.009378        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | QPSK    | 6       | 0        | Low      | NV            | 30               | 7.65           | 0.009814        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | QPSK    | 6       | 0        | Low      | NV            | 20               | 7.50           | 0.009622        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | QPSK    | 6       | 0        | Low      | NV            | 10               | 7.90           | 0.010135        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | QPSK    | 6       | 0        | Low      | NV            | 0                | 6.54           | 0.008390        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | QPSK    | 6       | 0        | Low      | NV            | -10              | 6.66           | 0.008544        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | QPSK    | 6       | 0        | Low      | NV            | -20              | 6.88           | 0.008826        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | QPSK    | 6       | 0        | Low      | NV            | -30              | 6.96           | 0.008929        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | QPSK    | 6       | 0        | Low      | NV            | -20              | 4.21           | 0.005384        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | QPSK    | 6       | 0        | Low      | NV            | -30              | -3.08          | -0.003939       | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | QPSK    | 6       | 0        | Low      | NV            | 50               | 3.66           | 0.004680        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | QPSK    | 6       | 0        | Low      | NV            | 40               | -2.43          | -0.003107       | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | QPSK    | 6       | 0        | Low      | NV            | 30               | 2.74           | 0.003504        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | QPSK    | 6       | 0        | Low      | NV            | 20               | -3.04          | -0.003887       | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | QPSK    | 6       | 0        | Low      | NV            | 10               | -2.65          | -0.003389       | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | QPSK    | 6       | 0        | Low      | NV            | -10              | -3.13          | -0.004003       | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | QPSK    | 6       | 0        | Low      | NV            | 0                | -3.04          | -0.003887       | ±2.5        | PASS    |
| Band13      | 5MHz      | 23255      | QPSK    | 6       | 0        | High     | NV            | 50               | 7.77           | 0.009904        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23255      | QPSK    | 6       | 0        | High     | NV            | -20              | 7.33           | 0.009344        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23255      | QPSK    | 6       | 0        | High     | NV            | -10              | 7.85           | 0.010006        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23255      | QPSK    | 6       | 0        | High     | NV            | 0                | 9.37           | 0.011944        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23255      | QPSK    | 6       | 0        | High     | NV            | 10               | 7.54           | 0.009611        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23255      | QPSK    | 6       | 0        | High     | NV            | 20               | 8.06           | 0.010274        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23255      | QPSK    | 6       | 0        | High     | NV            | 40               | 8.50           | 0.010835        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23255      | QPSK    | 6       | 0        | High     | NV            | -30              | 7.30           | 0.009305        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23255      | QPSK    | 6       | 0        | High     | NV            | 30               | 7.33           | 0.009344        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | 16QAM   | 6       | 0        | Low      | NV            | -10              | 7.59           | 0.009737        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | 16QAM   | 6       | 0        | Low      | NV            | -20              | 6.69           | 0.008582        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | 16QAM   | 6       | 0        | Low      | NV            | 50               | 7.46           | 0.009570        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | 16QAM   | 6       | 0        | Low      | NV            | 0                | 7.31           | 0.009378        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | 16QAM   | 6       | 0        | Low      | NV            | 10               | 6.87           | 0.008813        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | 16QAM   | 6       | 0        | Low      | NV            | 20               | 7.73           | 0.009917        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | 16QAM   | 6       | 0        | Low      | NV            | 30               | 6.51           | 0.008352        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | 16QAM   | 6       | 0        | Low      | NV            | 40               | 7.68           | 0.009852        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23205      | 16QAM   | 6       | 0        | Low      | NV            | -30              | 7.39           | 0.009480        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | 16QAM   | 6       | 0        | Low      | NV            | 0                | -3.41          | -0.004361       | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | 16QAM   | 6       | 0        | Low      | NV            | -30              | 2.66           | 0.003402        | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | 16QAM   | 6       | 0        | Low      | NV            | -20              | -2.85          | -0.003645       | ±2.5        | PASS    |
| Band13      | 5MHz      | 23230      | 16QAM   | 6       | 0        | Low      | NV            | -10              | -4.27          | -0.005460       | ±2.5        | PASS    |

|        |       |       |       |   |   |      |    |     |        |           |      |      |
|--------|-------|-------|-------|---|---|------|----|-----|--------|-----------|------|------|
| Band13 | 5MHz  | 23230 | 16QAM | 6 | 0 | Low  | NV | 20  | -2.47  | -0.003159 | ±2.5 | PASS |
| Band13 | 5MHz  | 23230 | 16QAM | 6 | 0 | Low  | NV | 30  | -3.65  | -0.004668 | ±2.5 | PASS |
| Band13 | 5MHz  | 23230 | 16QAM | 6 | 0 | Low  | NV | 50  | -3.50  | -0.004476 | ±2.5 | PASS |
| Band13 | 5MHz  | 23230 | 16QAM | 6 | 0 | Low  | NV | 40  | -3.91  | -0.005000 | ±2.5 | PASS |
| Band13 | 5MHz  | 23230 | 16QAM | 6 | 0 | Low  | NV | 10  | 2.84   | 0.003632  | ±2.5 | PASS |
| Band13 | 5MHz  | 23255 | 16QAM | 6 | 0 | High | NV | 0   | 8.76   | 0.011166  | ±2.5 | PASS |
| Band13 | 5MHz  | 23255 | 16QAM | 6 | 0 | High | NV | 50  | 8.44   | 0.010758  | ±2.5 | PASS |
| Band13 | 5MHz  | 23255 | 16QAM | 6 | 0 | High | NV | 40  | 7.89   | 0.010057  | ±2.5 | PASS |
| Band13 | 5MHz  | 23255 | 16QAM | 6 | 0 | High | NV | 30  | 7.89   | 0.010057  | ±2.5 | PASS |
| Band13 | 5MHz  | 23255 | 16QAM | 6 | 0 | High | NV | 10  | 8.05   | 0.010261  | ±2.5 | PASS |
| Band13 | 5MHz  | 23255 | 16QAM | 6 | 0 | High | NV | -10 | 7.91   | 0.010083  | ±2.5 | PASS |
| Band13 | 5MHz  | 23255 | 16QAM | 6 | 0 | High | NV | -20 | 9.56   | 0.012186  | ±2.5 | PASS |
| Band13 | 5MHz  | 23255 | 16QAM | 6 | 0 | High | NV | -30 | 7.89   | 0.010057  | ±2.5 | PASS |
| Band13 | 5MHz  | 23255 | 16QAM | 6 | 0 | High | NV | 20  | 7.91   | 0.010083  | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | QPSK  | 6 | 0 | Low  | NV | 20  | -12.67 | -0.016202 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | QPSK  | 6 | 0 | Low  | NV | -20 | -12.80 | -0.016368 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | QPSK  | 6 | 0 | Low  | NV | 40  | -12.17 | -0.015563 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | QPSK  | 6 | 0 | Low  | NV | 30  | -12.10 | -0.015473 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | QPSK  | 6 | 0 | Low  | NV | 50  | -12.51 | -0.015997 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | QPSK  | 6 | 0 | Low  | NV | 10  | -13.02 | -0.016650 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | QPSK  | 6 | 0 | Low  | NV | -10 | -12.52 | -0.016010 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | QPSK  | 6 | 0 | Low  | NV | -30 | -12.55 | -0.016049 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | QPSK  | 6 | 0 | Low  | NV | 0   | -12.55 | -0.016049 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | 16QAM | 6 | 0 | Low  | NV | 50  | -11.67 | -0.014923 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | 16QAM | 6 | 0 | Low  | NV | -30 | -11.91 | -0.015230 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | 16QAM | 6 | 0 | Low  | NV | -20 | -11.40 | -0.014578 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | 16QAM | 6 | 0 | Low  | NV | -10 | -12.39 | -0.015844 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | 16QAM | 6 | 0 | Low  | NV | 0   | -12.74 | -0.016292 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | 16QAM | 6 | 0 | Low  | NV | 10  | -11.97 | -0.015307 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | 16QAM | 6 | 0 | Low  | NV | 20  | -12.57 | -0.016074 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | 16QAM | 6 | 0 | Low  | NV | 30  | -12.32 | -0.015754 | ±2.5 | PASS |
| Band13 | 10MHz | 23230 | 16QAM | 6 | 0 | Low  | NV | 40  | -11.99 | -0.015332 | ±2.5 | PASS |

-----END OF THE REPORT-----