

## Appendix A: Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | ERP (dBm) | Verdict |
|--------|-----------|------------|---------|------------------|-------------|-----------|---------|
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | 22.61       | 21.49     | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#12           | 22.67       | 21.55     | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#24           | 22.63       | 21.51     | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 12RB#0           | 21.67       | 20.55     | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 12RB#6           | 21.73       | 20.61     | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 12RB#13          | 21.70       | 20.58     | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 25RB#0           | 21.62       | 20.50     | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | 22.61       | 21.49     | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#12           | 22.81       | 21.69     | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#24           | 22.69       | 21.57     | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 12RB#0           | 21.58       | 20.46     | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 12RB#6           | 21.74       | 20.62     | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 12RB#13          | 21.89       | 20.77     | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 25RB#0           | 21.69       | 20.57     | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | 22.58       | 21.46     | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#12           | 22.64       | 21.52     | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#24           | 22.57       | 21.45     | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 12RB#0           | 21.73       | 20.61     | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 12RB#6           | 21.67       | 20.55     | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 12RB#13          | 21.68       | 20.56     | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 25RB#0           | 21.86       | 20.74     | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#0            | 21.81       | 20.69     | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#12           | 21.82       | 20.70     | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#24           | 21.81       | 20.69     | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 12RB#0           | 20.89       | 19.77     | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 12RB#6           | 20.72       | 19.60     | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 12RB#13          | 21.27       | 20.15     | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 25RB#0           | 21.18       | 20.06     | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#0            | 21.37       | 20.25     | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#12           | 21.44       | 20.32     | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#24           | 21.49       | 20.37     | PASS    |

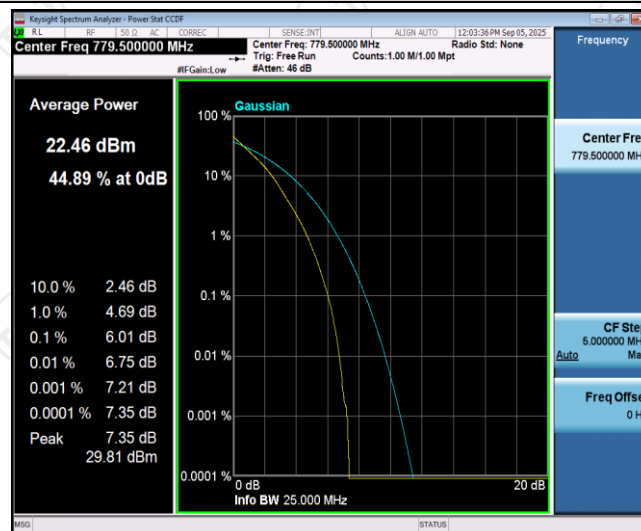
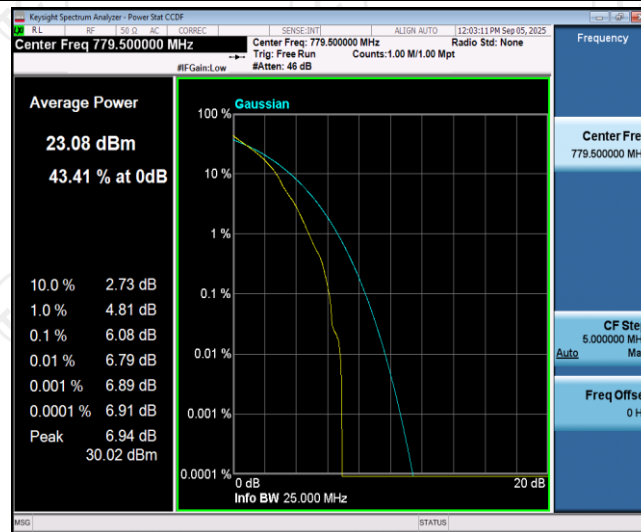
|        |       |       |       |         |       |       |      |
|--------|-------|-------|-------|---------|-------|-------|------|
| Band13 | 5MHz  | 16QAM | 23230 | 12RB#0  | 20.99 | 19.87 | PASS |
| Band13 | 5MHz  | 16QAM | 23230 | 12RB#6  | 20.96 | 19.84 | PASS |
| Band13 | 5MHz  | 16QAM | 23230 | 12RB#13 | 20.67 | 19.55 | PASS |
| Band13 | 5MHz  | 16QAM | 23230 | 25RB#0  | 21.00 | 19.88 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 1RB#0   | 21.91 | 20.79 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 1RB#12  | 21.88 | 20.76 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 1RB#24  | 21.75 | 20.63 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 12RB#0  | 20.81 | 19.69 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 12RB#6  | 20.82 | 19.70 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 12RB#13 | 21.21 | 20.09 | PASS |
| Band13 | 5MHz  | 16QAM | 23255 | 25RB#0  | 20.65 | 19.53 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 1RB#0   | 22.70 | 21.58 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 1RB#24  | 22.62 | 21.50 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 1RB#49  | 22.66 | 21.54 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 25RB#0  | 21.78 | 20.66 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 25RB#12 | 21.77 | 20.65 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 25RB#25 | 21.84 | 20.72 | PASS |
| Band13 | 10MHz | QPSK  | 23230 | 50RB#0  | 21.59 | 20.47 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#0   | 21.77 | 20.65 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#24  | 21.68 | 20.56 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 1RB#49  | 21.68 | 20.56 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 25RB#0  | 21.07 | 19.95 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 25RB#12 | 21.07 | 19.95 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 25RB#25 | 20.63 | 19.51 | PASS |
| Band13 | 10MHz | 16QAM | 23230 | 50RB#0  | 21.09 | 19.97 | PASS |

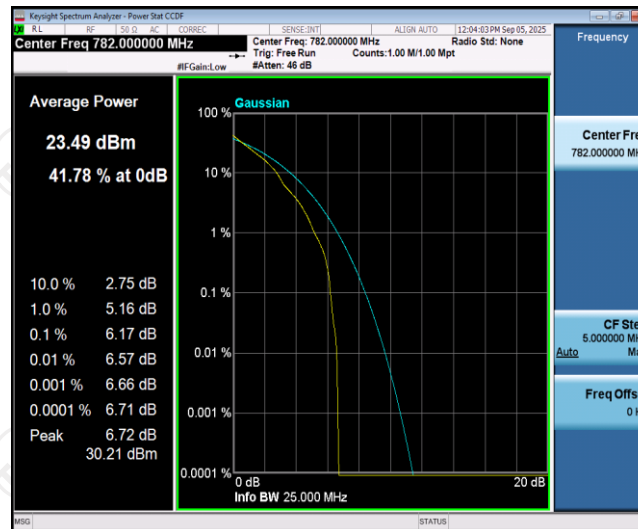
## Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

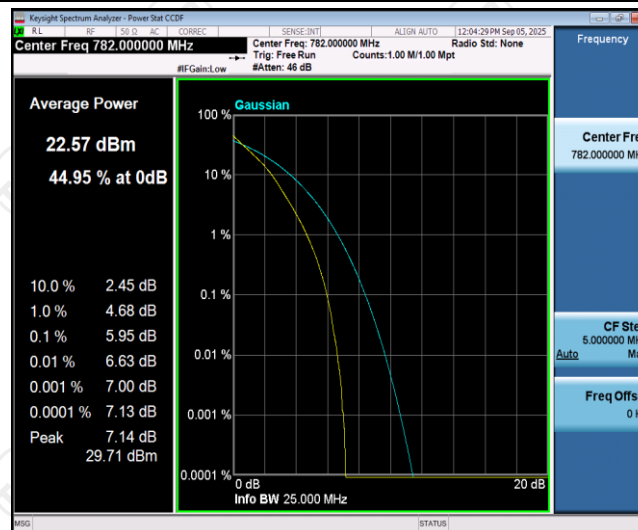
| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band13 | 5MHz      | QPSK       | 23205   | 1RB#0            | 6.08       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23205   | 25RB#0           | 6.01       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 1RB#0            | 6.17       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 25RB#0           | 5.95       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 1RB#0            | 5.58       | 13        | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 25RB#0           | 5.85       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#0            | 6.74       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 25RB#0           | 5.61       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#0            | 6.63       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 25RB#0           | 5.25       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 1RB#0            | 6.44       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 25RB#0           | 5.21       | 13        | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 1RB#0            | 5.76       | 13        | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 50RB#0           | 5.90       | 13        | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 1RB#0            | 6.38       | 13        | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 50RB#0           | 5.58       | 13        | PASS    |

## Test Graphs

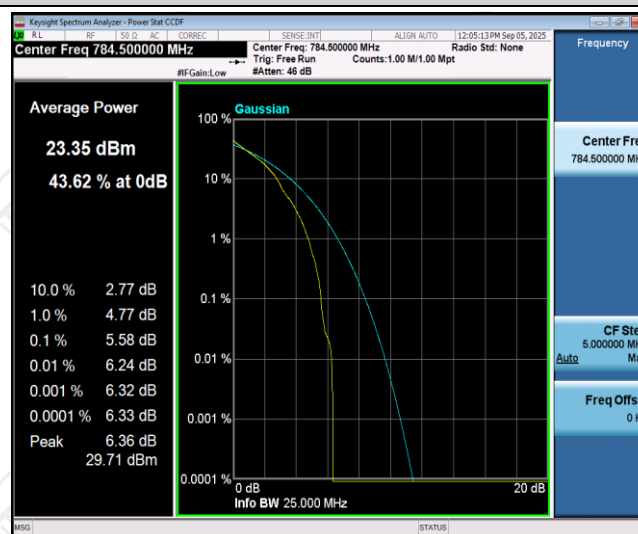




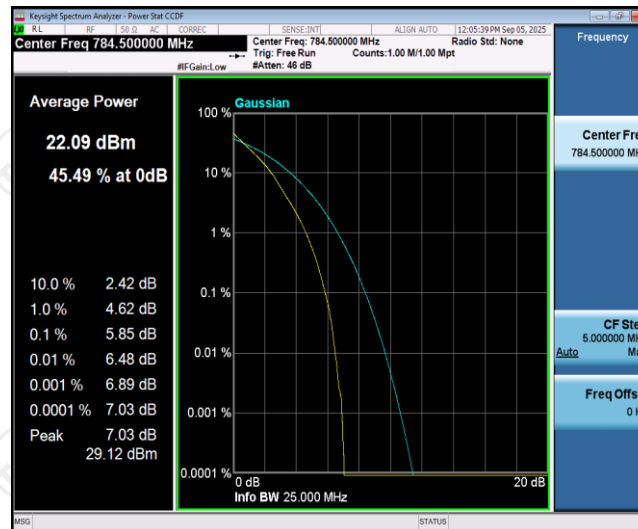
Band13-5MHz-QPSK-23230-1RB#0



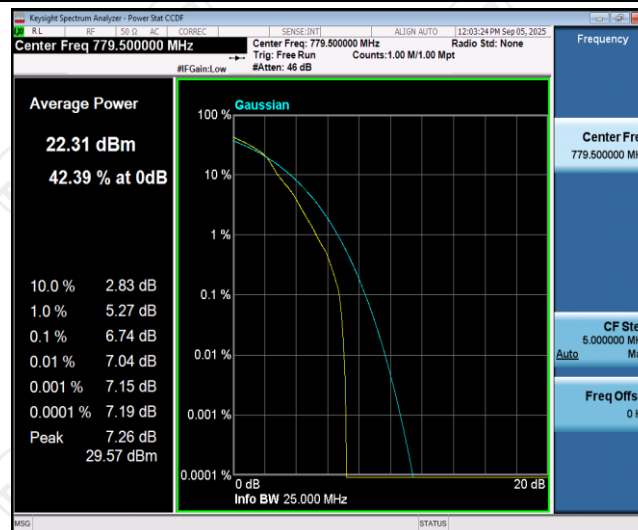
Band13-5MHz-QPSK-23230-25RB#0



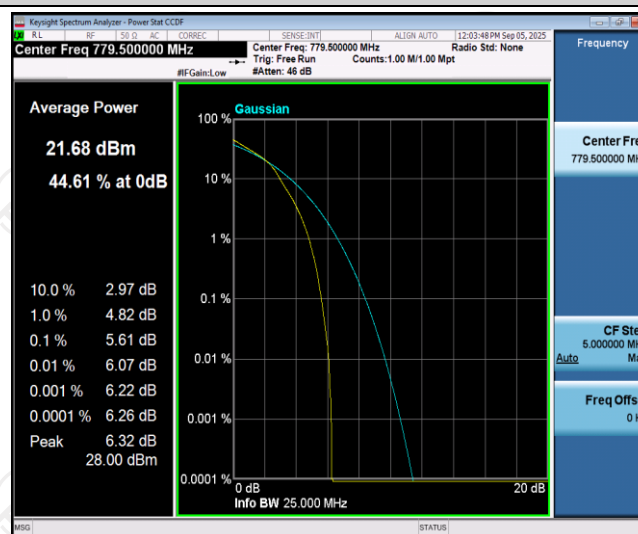
Band13-5MHz-QPSK-23255-1RB#0



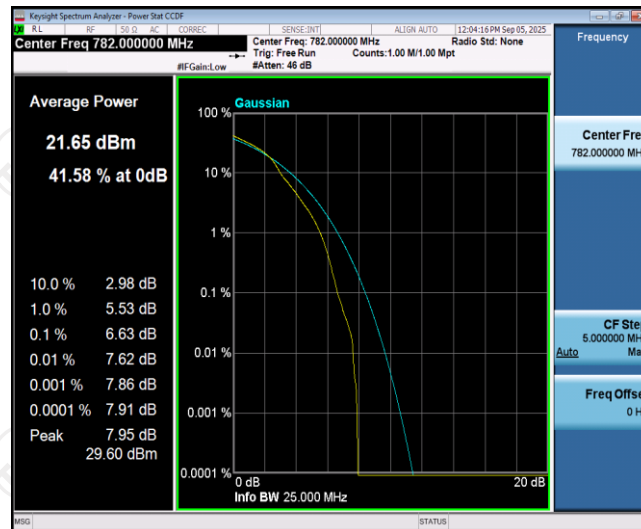
Band13-5MHz-QPSK-23255-25RB#0



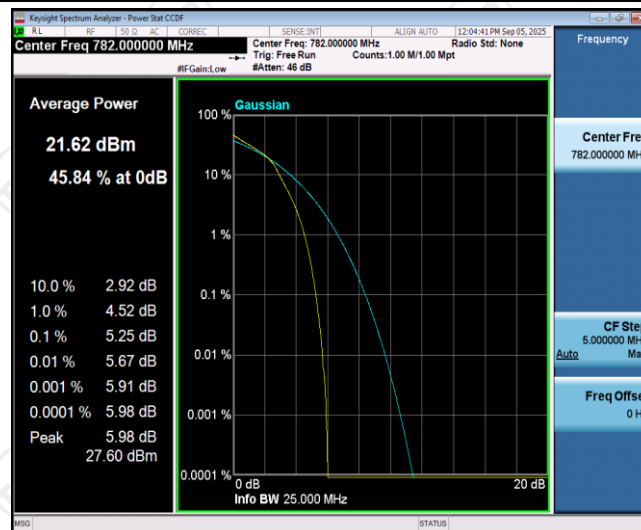
Band13-5MHz-16QAM-23205-1RB#0



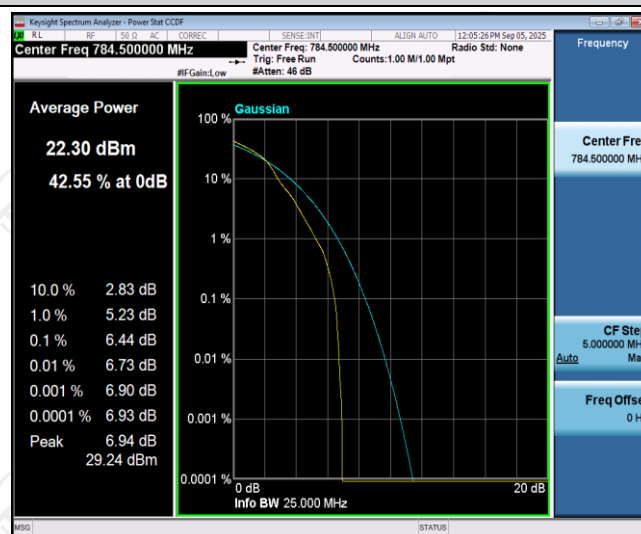
Band13-5MHz-16QAM-23205-25RB#0



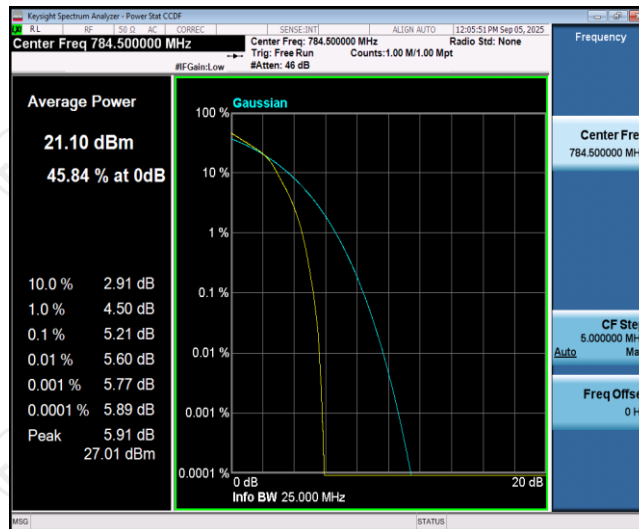
Band13-5MHz-16QAM-23230-1RB#0



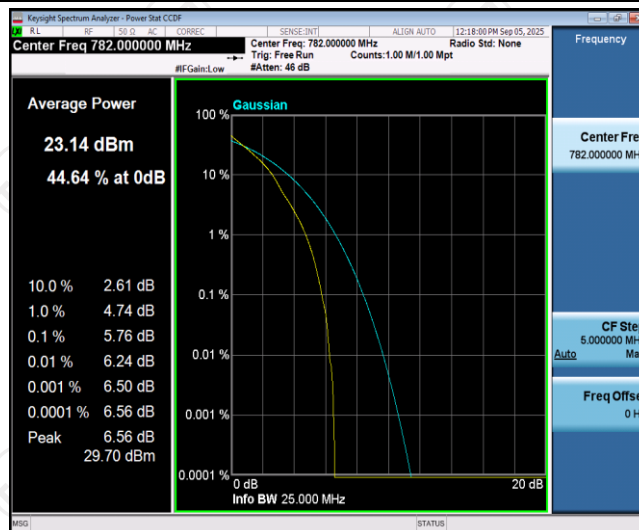
Band13-5MHz-16QAM-23230-25RB#0



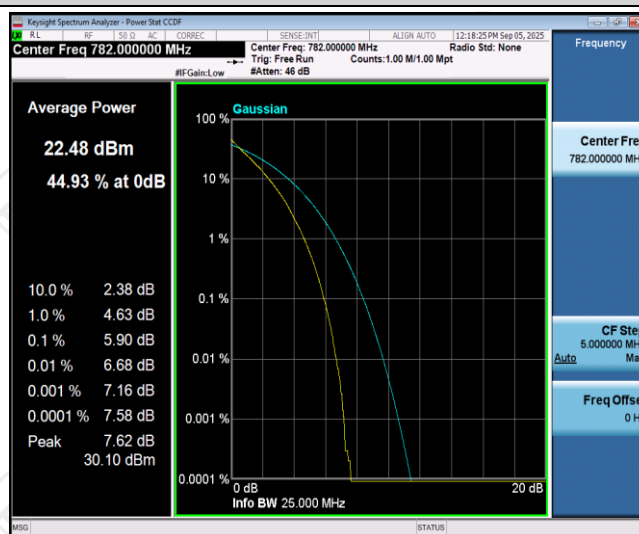
Band13-5MHz-16QAM-23255-1RB#0



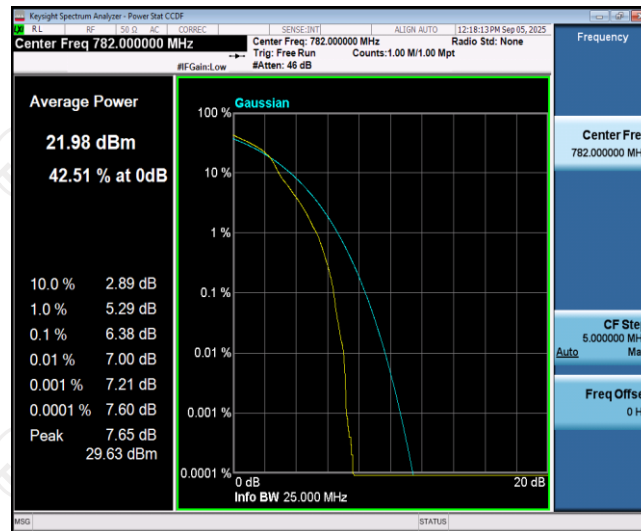
Band13-5MHz-16QAM-23255-25RB#0



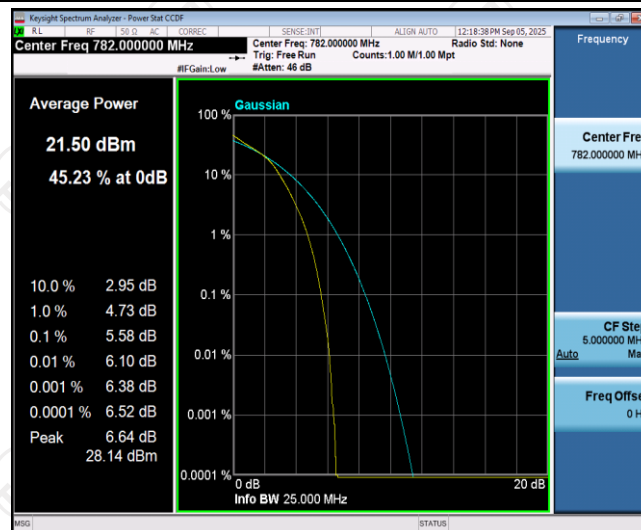
Band13-10MHz-QPSK-23230-1RB#0



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



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



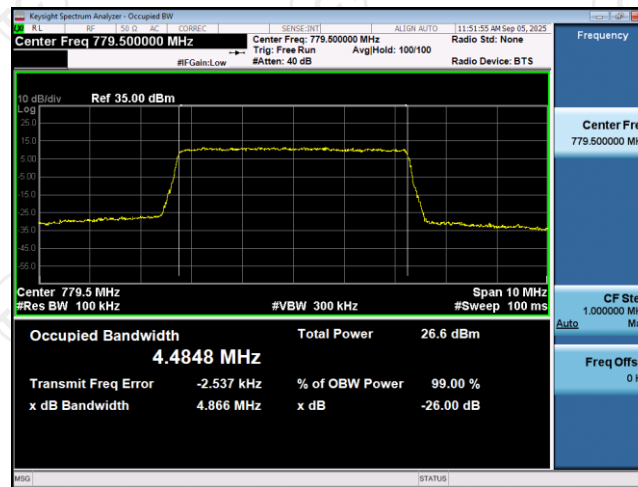
Band13-10MHz-16QAM-23230-50RB#0

## Appendix C: 26dB Bandwidth and Occupied Bandwidth

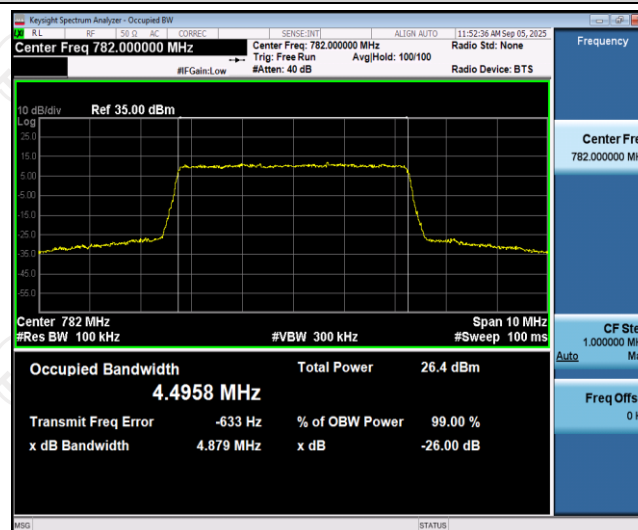
### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|------------------|--------------------------|----------------------|---------|
| Band13 | 5MHz      | QPSK       | 23205   | 25RB#0           | 4.4848                   | 4.866                | PASS    |
| Band13 | 5MHz      | QPSK       | 23230   | 25RB#0           | 4.4958                   | 4.879                | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 25RB#0           | 4.4838                   | 4.886                | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 25RB#0           | 4.4953                   | 4.848                | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 25RB#0           | 4.4939                   | 4.871                | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 25RB#0           | 4.4952                   | 4.899                | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 50RB#0           | 8.9652                   | 9.519                | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 50RB#0           | 8.9616                   | 9.569                | PASS    |

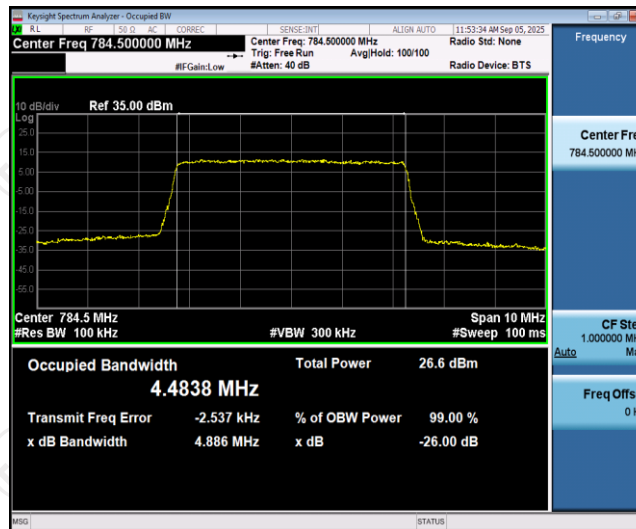
## Test Graphs



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



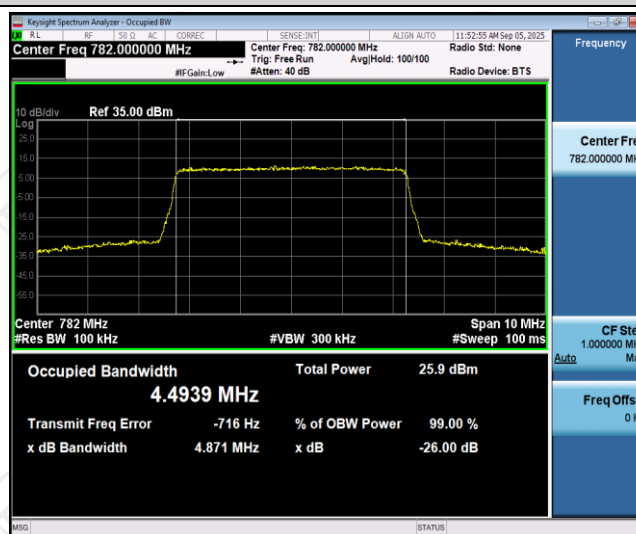
Band13-5MHz-QPSK-23230-25RB#0



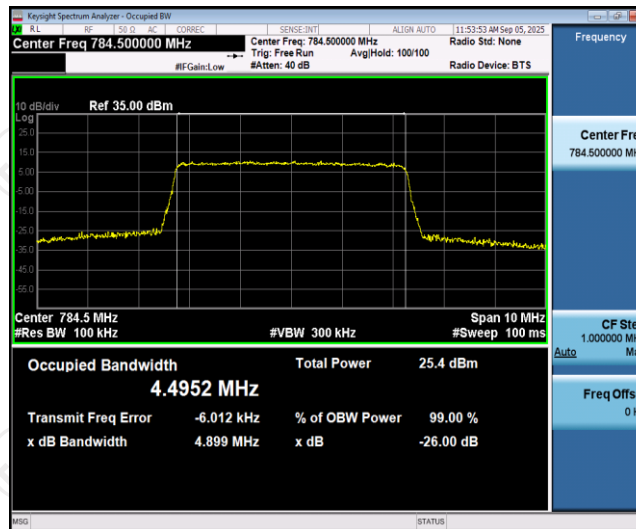
Band13-5MHz-QPSK-23255-25RB#0



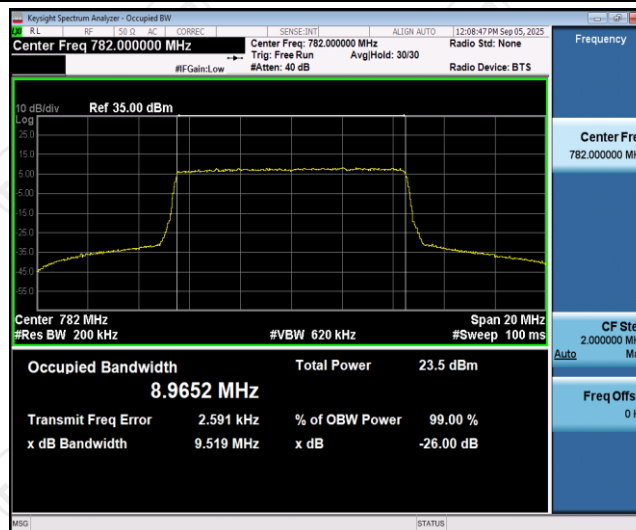
Band13-5MHz-16QAM-23205-25RB#0



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



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



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



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

## Appendix D: Band Edge

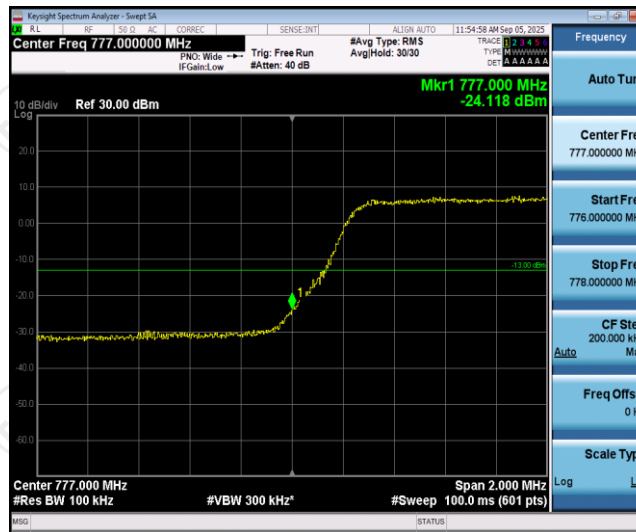
### Test Result

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm)   | Verdict |
|--------|-----------|------------|---------|------------------|---------------|---------|
| Band13 | 5MHz      | QPSK       | 23205   | 25RB#0           | -21.62        | PASS    |
| Band13 | 5MHz      | QPSK       | 23255   | 25RB#0           | -25.08        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 25RB#0           | -24.12        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 25RB#0           | -24.15        | PASS    |
| Band13 | 10MHz     | QPSK       | 23230   | 50RB#0           | -28.25,-27.48 | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 50RB#0           | -26.93,-26.65 | PASS    |

### Test Graphs



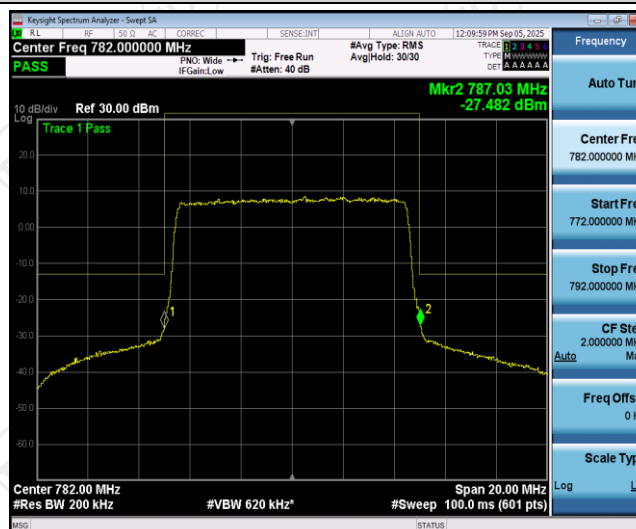
## Band13-5MHz-QPSK-23255-25RB#0



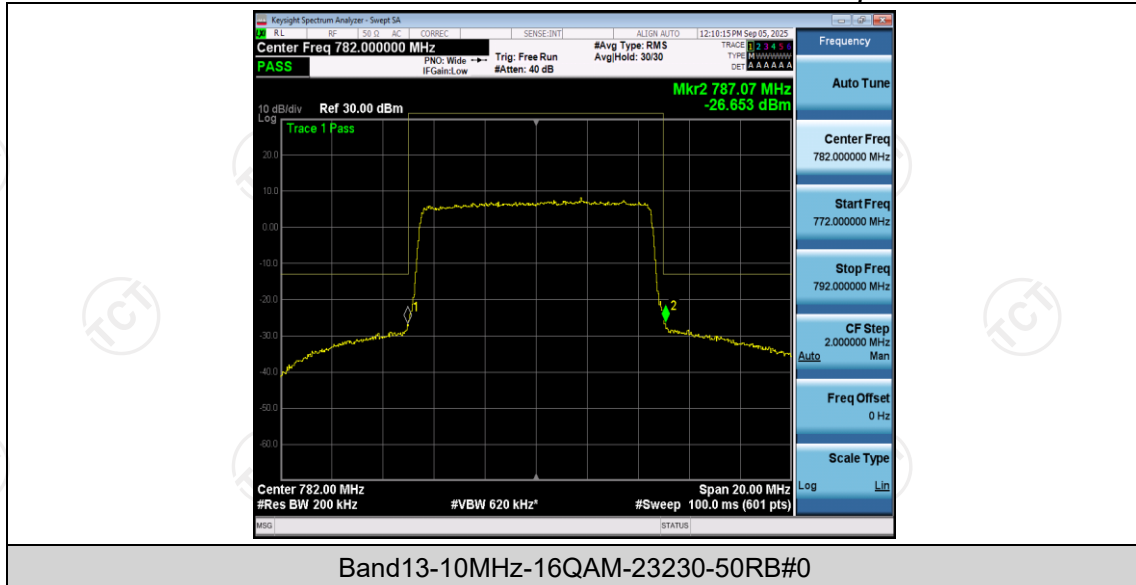
## Band13-5MHz-16QAM-23205-25RB#0



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



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



## Appendix E: Conducted Spurious Emission

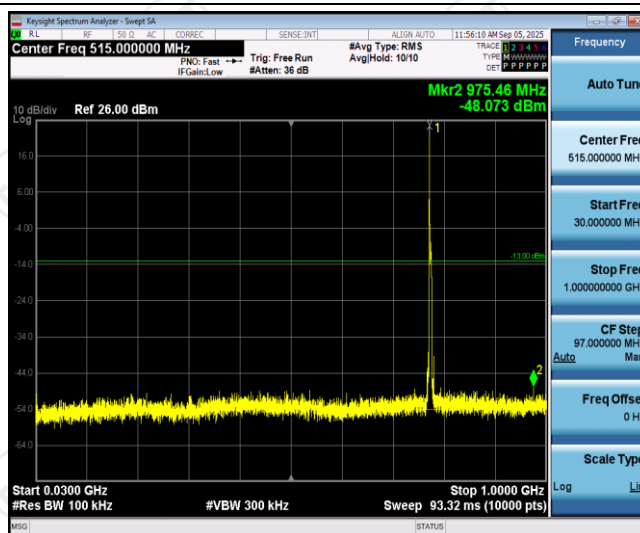
### Test Result

| Band       | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range      | Result (dBm) | Verdict |
|------------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band1<br>3 | 5MHz      | QPSK       | 23205   | 1RB#0            | Range1:30~1000MHz    | -48.07       | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23205   | 1RB#0            | Range3:763~775MHz    | -52.31       | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23205   | 1RB#0            | Range4:793~805MHz    | -55.7        | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23205   | 1RB#0            | Range2:1000~10000MHz | -32.18       | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23205   | 1RB#0            | Range5:1559~1610MHz  | -53.72       | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23230   | 1RB#0            | Range1:30~1000MHz    | -48.42       | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23230   | 1RB#0            | Range3:763~775MHz    | -55.14       | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23230   | 1RB#0            | Range4:793~805MHz    | -55.7        | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23230   | 1RB#0            | Range2:1000~10000MHz | -32.11       | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23230   | 1RB#0            | Range5:1559~1610MHz  | -53          | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23255   | 1RB#0            | Range1:30~1000MHz    | -48.15       | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23255   | 1RB#0            | Range3:763~775MHz    | -50.65       | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23255   | 1RB#0            | Range4:793~805MHz    | -55.13       | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23255   | 1RB#0            | Range2:1000~10000MHz | -32.21       | PASS    |
| Band1<br>3 | 5MHz      | QPSK       | 23255   | 1RB#0            | Range5:1559~1610MHz  | -53.28       | PASS    |
| Band1<br>3 | 5MHz      | 16QAM      | 23205   | 1RB#0            | Range1:30~1000MHz    | -47.46       | PASS    |
| Band1<br>3 | 5MHz      | 16QAM      | 23205   | 1RB#0            | Range3:763~775MHz    | -51.53       | PASS    |

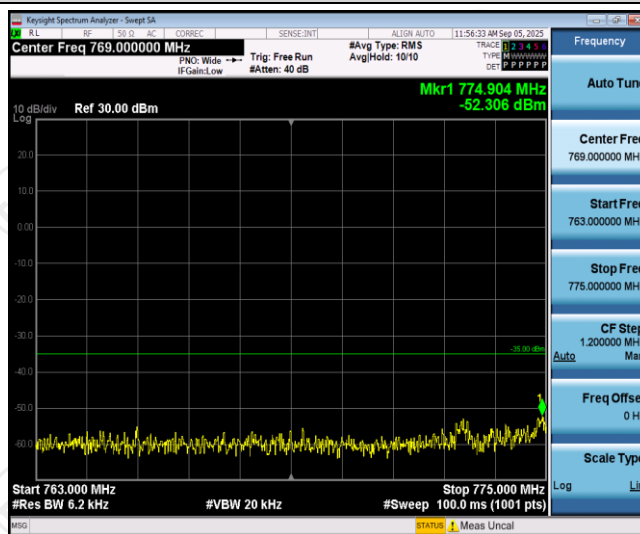
|            |       |       |       |       |                          |            |          |
|------------|-------|-------|-------|-------|--------------------------|------------|----------|
| Band1<br>3 | 5MHz  | 16QAM | 23205 | 1RB#0 | Range4:793~805MHz        | -55.6<br>1 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23205 | 1RB#0 | Range2:1000~10000M<br>Hz | -32.5<br>4 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23205 | 1RB#0 | Range5:1559~1610M<br>Hz  | -53.2<br>1 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23230 | 1RB#0 | Range1:30~1000MHz        | -48.7<br>6 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23230 | 1RB#0 | Range3:763~775MHz        | -54.4<br>9 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23230 | 1RB#0 | Range4:793~805MHz        | -54.9<br>9 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23230 | 1RB#0 | Range2:1000~10000M<br>Hz | -32.0<br>3 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23230 | 1RB#0 | Range5:1559~1610M<br>Hz  | -53.7<br>3 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 1RB#0 | Range1:30~1000MHz        | -48.3<br>7 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 1RB#0 | Range3:763~775MHz        | -51.2<br>7 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 1RB#0 | Range4:793~805MHz        | -55.4<br>3 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 1RB#0 | Range2:1000~10000M<br>Hz | -32.1<br>9 | PAS<br>S |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 1RB#0 | Range5:1559~1610M<br>Hz  | -53.8<br>2 | PAS<br>S |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 1RB#0 | Range1:30~1000MHz        | -47.9<br>5 | PAS<br>S |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 1RB#0 | Range3:763~775MHz        | -51.2<br>7 | PAS<br>S |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 1RB#0 | Range4:793~805MHz        | -52.2<br>4 | PAS<br>S |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 1RB#0 | Range2:1000~10000M<br>Hz | -31.9<br>3 | PAS<br>S |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 1RB#0 | Range5:1559~1610M<br>Hz  | -53.0<br>2 | PAS<br>S |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 1RB#0 | Range1:30~1000MHz        | -48.3<br>9 | PAS<br>S |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 1RB#0 | Range3:763~775MHz        | -52.9<br>4 | PAS<br>S |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 1RB#0 | Range4:793~805MHz        | -53.8<br>8 | PAS<br>S |

|            |       |       |       |       |                          |            |          |
|------------|-------|-------|-------|-------|--------------------------|------------|----------|
| Band1<br>3 | 10MHz | 16QAM | 23230 | 1RB#0 | Range2:1000~10000M<br>Hz | -31.9<br>9 | PAS<br>S |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 1RB#0 | Range5:1559~1610M<br>Hz  | -53.9<br>3 | PAS<br>S |

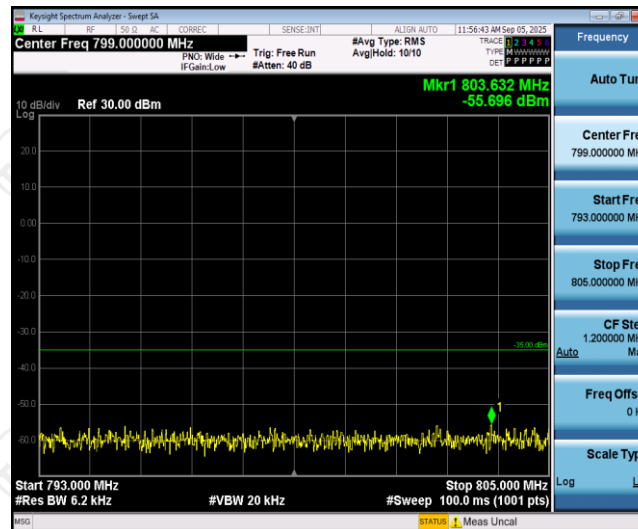
## Test Graphs



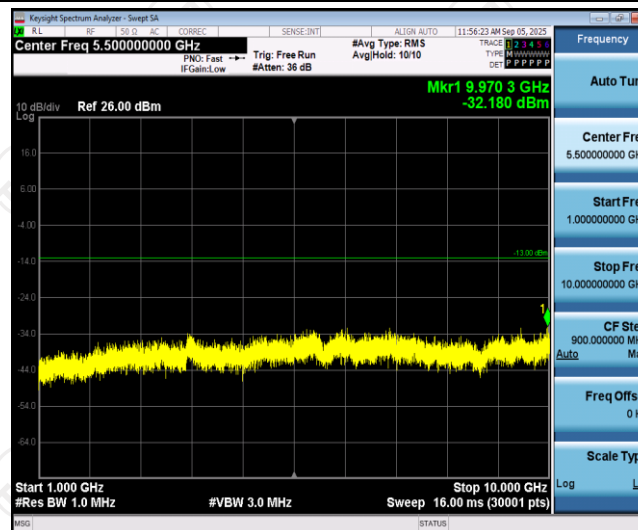
Band13-5MHz-QPSK-23205-1RB#0-Range1:30~1000MHz



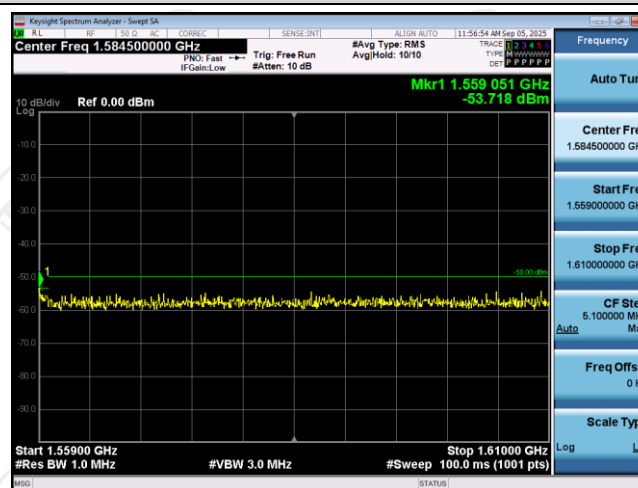
Band13-5MHz-QPSK-23205-1RB#0-Range3:763~775MHz



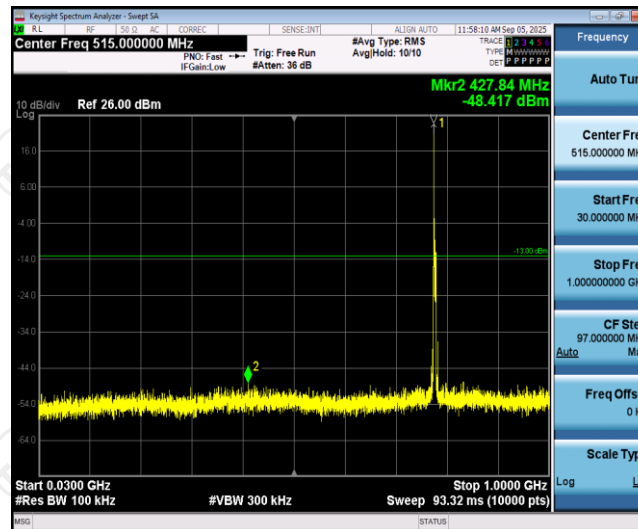
Band13-5MHz-QPSK-23205-1RB#0-Range4:793~805MHz



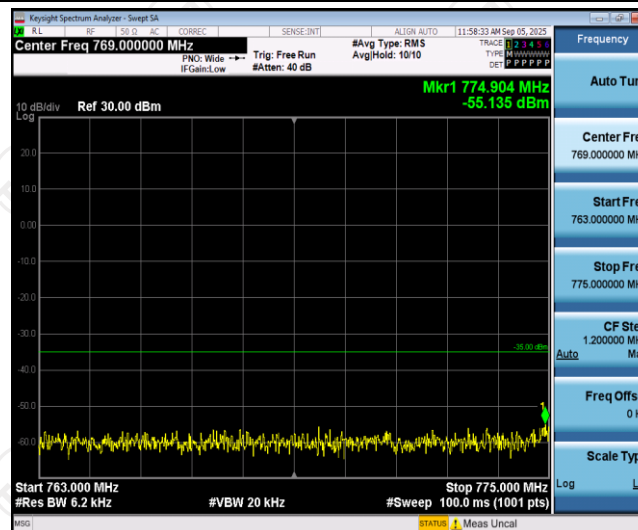
Band13-5MHz-QPSK-23205-1RB#0-Range2:1000~10000MHz



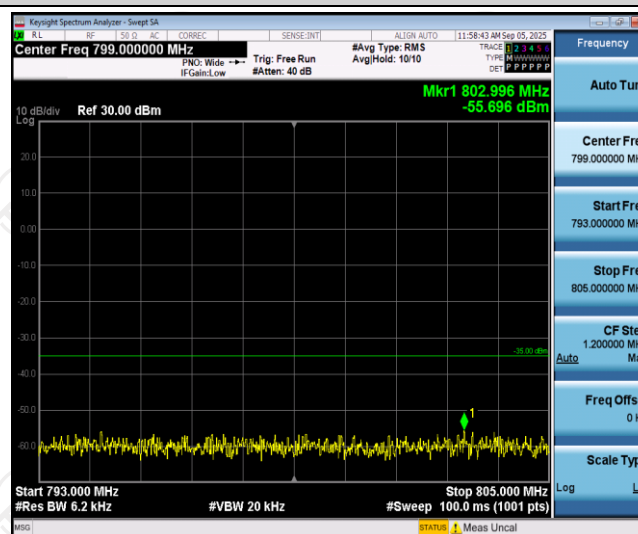
Band13-5MHz-QPSK-23205-1RB#0-Range5:1559~1610MHz



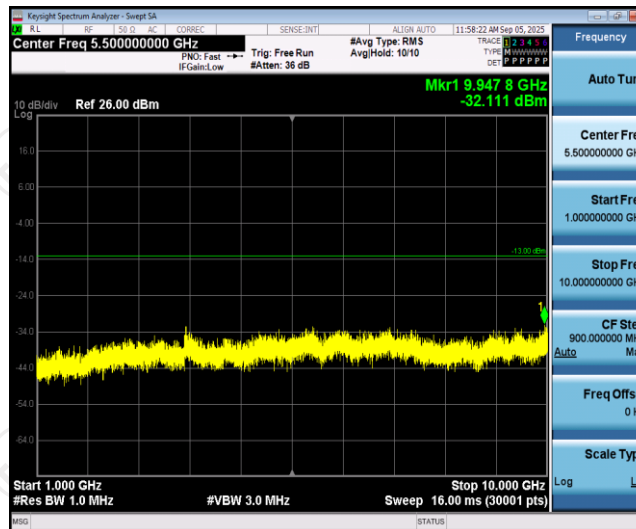
Band13-5MHz-QPSK-23230-1RB#0-Range1:30~1000MHz



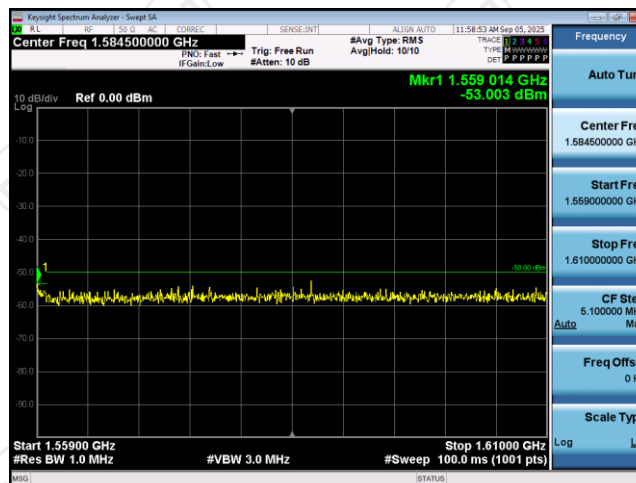
Band13-5MHz-QPSK-23230-1RB#0-Range3:763~775MHz



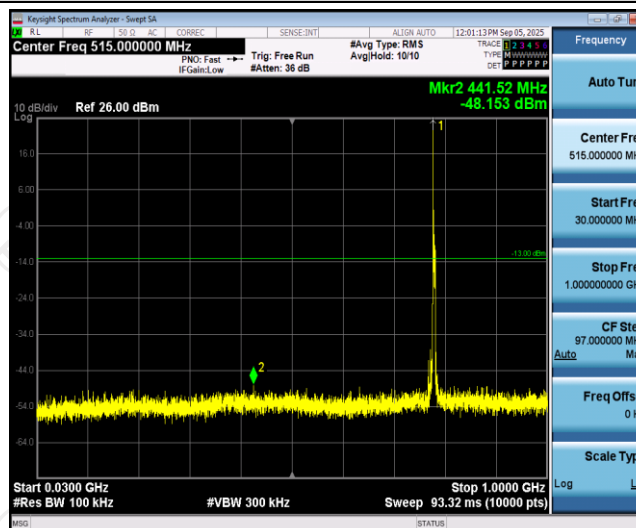
Band13-5MHz-QPSK-23230-1RB#0-Range4:793~805MHz



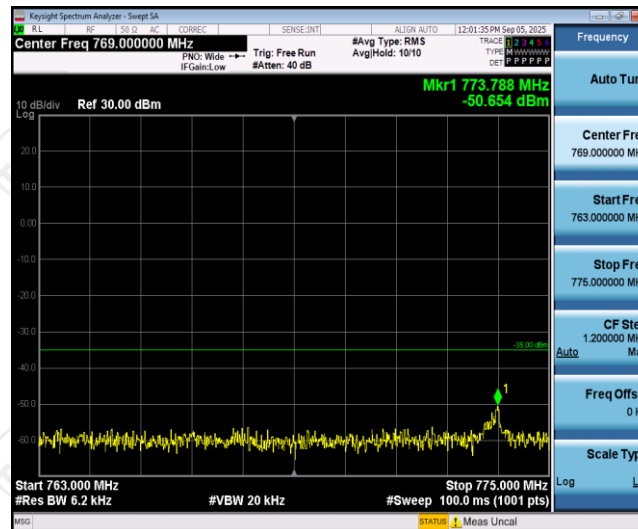
Band13-5MHz-QPSK-23230-1RB#0-Range2:1000~10000MHz



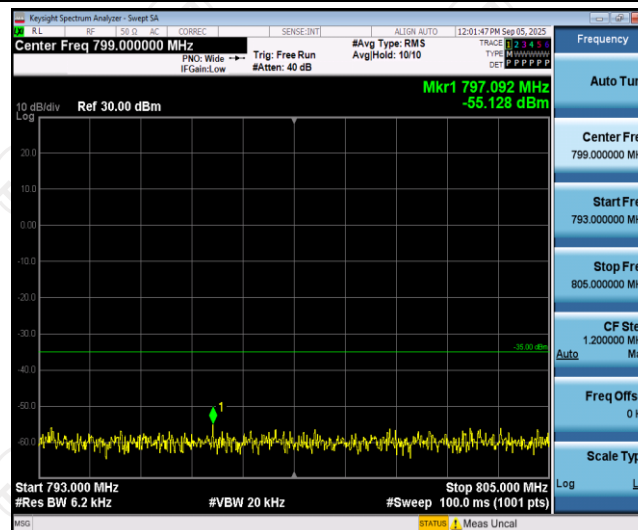
Band13-5MHz-QPSK-23230-1RB#0-Range5:1559~1610MHz



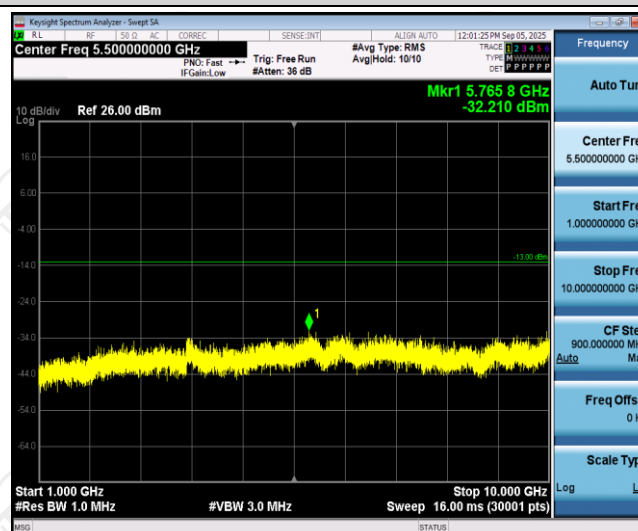
Band13-5MHz-QPSK-23255-1RB#0-Range1:30~1000MHz



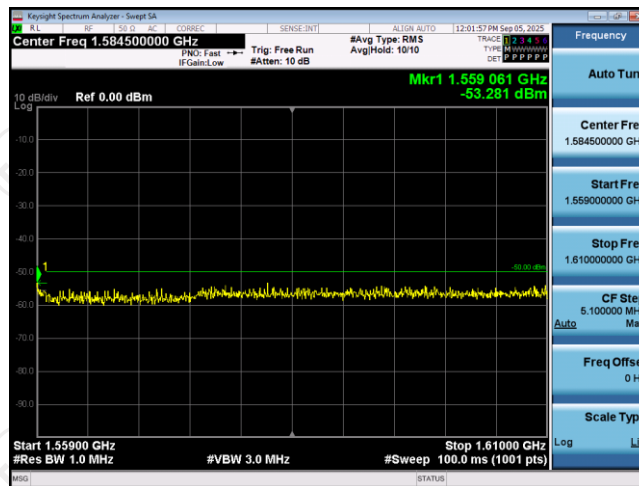
Band13-5MHz-QPSK-23255-1RB#0-Range3:763~775MHz



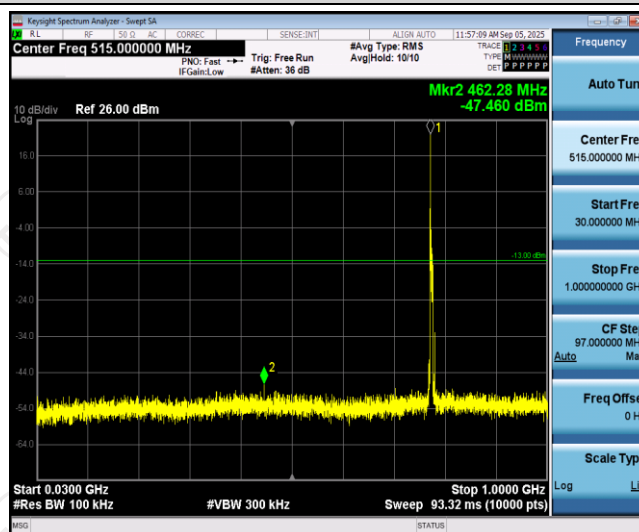
Band13-5MHz-QPSK-23255-1RB#0-Range4:793~805MHz



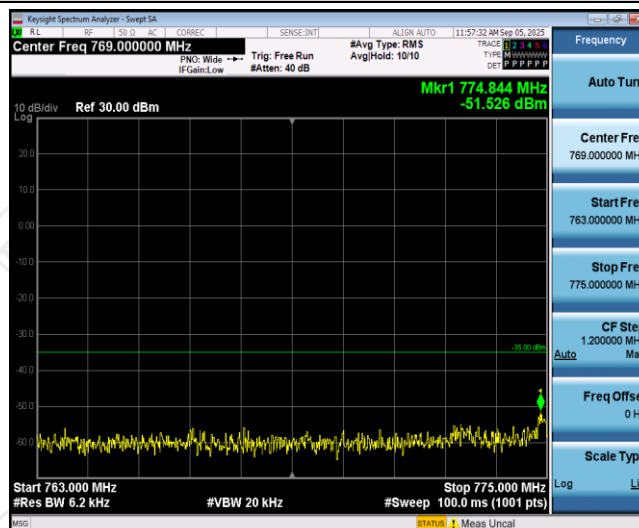
Band13-5MHz-QPSK-23255-1RB#0-Range2:1000~10000MHz



Band13-5MHz-QPSK-23255-1RB#0-Range5:1559~1610MHz



Band13-5MHz-16QAM-23205-1RB#0-Range1:30~1000MHz



Band13-5MHz-16QAM-23205-1RB#0-Range3:763~775MHz