

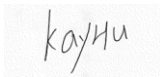


## Appendix I: Test Data for E-UTRA Band 41

Product Name: Tigapo Cards vending machine

Test Model: LKS8500 series

### Environmental Conditions

|                    |                                                                                      |
|--------------------|--------------------------------------------------------------------------------------|
| Temperature:       | 22.2℃                                                                                |
| Relative Humidity: | 53.5%                                                                                |
| ATM Pressure:      | 100.0 kPa                                                                            |
| Test Engineer:     |   |
|                    | Kay Hu                                                                               |
| Supervised by:     |  |
|                    | Li Huan                                                                              |



## I.1 Effective (Isotropic) Radiated Power Output Data

### Test Result

| Band   | Bandwidth | Modulation | Channel | Result(dBm) | Verdict |
|--------|-----------|------------|---------|-------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 20.44       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 20.40       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 20.80       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 19.46       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 19.52       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 19.73       | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 20.47       | PASS    |
| Band41 | 10MHz     | QPSK       | 40620   | 20.51       | PASS    |
| Band41 | 10MHz     | QPSK       | 41540   | 20.95       | PASS    |
| Band41 | 10MHz     | 16QAM      | 39700   | 19.51       | PASS    |
| Band41 | 10MHz     | 16QAM      | 40620   | 19.53       | PASS    |
| Band41 | 10MHz     | 16QAM      | 41540   | 19.99       | PASS    |
| Band41 | 15MHz     | QPSK       | 39725   | 20.44       | PASS    |
| Band41 | 15MHz     | QPSK       | 40620   | 20.52       | PASS    |
| Band41 | 15MHz     | QPSK       | 41515   | 20.91       | PASS    |
| Band41 | 15MHz     | 16QAM      | 39725   | 19.42       | PASS    |
| Band41 | 15MHz     | 16QAM      | 40620   | 19.55       | PASS    |
| Band41 | 15MHz     | 16QAM      | 41515   | 19.94       | PASS    |
| Band41 | 20MHz     | QPSK       | 39750   | 21.58       | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 21.53       | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | 21.94       | PASS    |
| Band41 | 20MHz     | 16QAM      | 39750   | 19.51       | PASS    |
| Band41 | 20MHz     | 16QAM      | 40620   | 19.54       | PASS    |
| Band41 | 20MHz     | 16QAM      | 41490   | 19.97       | PASS    |



## I.2 Peak-to-Average Ratio(CCDF)

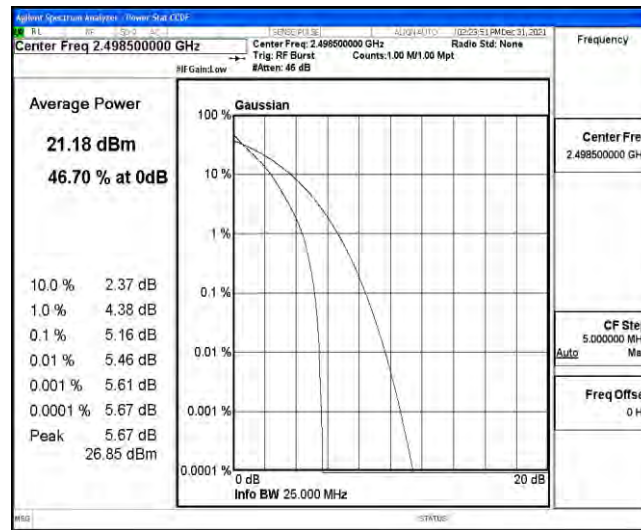
### Test Result

| Band   | Bandwidth | Modulation | Channel | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------|-----------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 5.16       | 13        | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 5.08       | 13        | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 5.35       | 13        | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 6.26       | 13        | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 5.91       | 13        | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 6.17       | 13        | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 5.10       | 13        | PASS    |
| Band41 | 10MHz     | QPSK       | 40620   | 5.09       | 13        | PASS    |
| Band41 | 10MHz     | QPSK       | 41540   | 5.09       | 13        | PASS    |
| Band41 | 10MHz     | 16QAM      | 39700   | 5.96       | 13        | PASS    |
| Band41 | 10MHz     | 16QAM      | 40620   | 5.95       | 13        | PASS    |
| Band41 | 10MHz     | 16QAM      | 41540   | 5.97       | 13        | PASS    |
| Band41 | 15MHz     | QPSK       | 39725   | 5.29       | 13        | PASS    |
| Band41 | 15MHz     | QPSK       | 40620   | 5.24       | 13        | PASS    |
| Band41 | 15MHz     | QPSK       | 41515   | 5.25       | 13        | PASS    |
| Band41 | 15MHz     | 16QAM      | 39725   | 6.01       | 13        | PASS    |
| Band41 | 15MHz     | 16QAM      | 40620   | 5.98       | 13        | PASS    |
| Band41 | 15MHz     | 16QAM      | 41515   | 5.99       | 13        | PASS    |
| Band41 | 20MHz     | QPSK       | 39750   | 5.14       | 13        | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 5.07       | 13        | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | 5.21       | 13        | PASS    |
| Band41 | 20MHz     | 16QAM      | 39750   | 5.98       | 13        | PASS    |
| Band41 | 20MHz     | 16QAM      | 40620   | 5.92       | 13        | PASS    |
| Band41 | 20MHz     | 16QAM      | 41490   | 5.92       | 13        | PASS    |

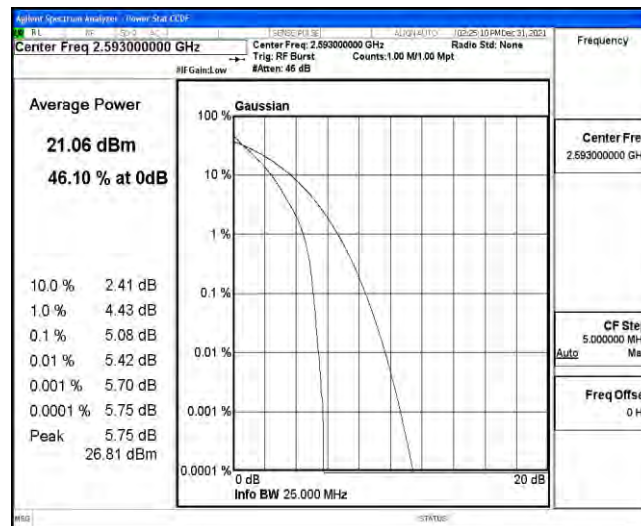


## Test Graphs

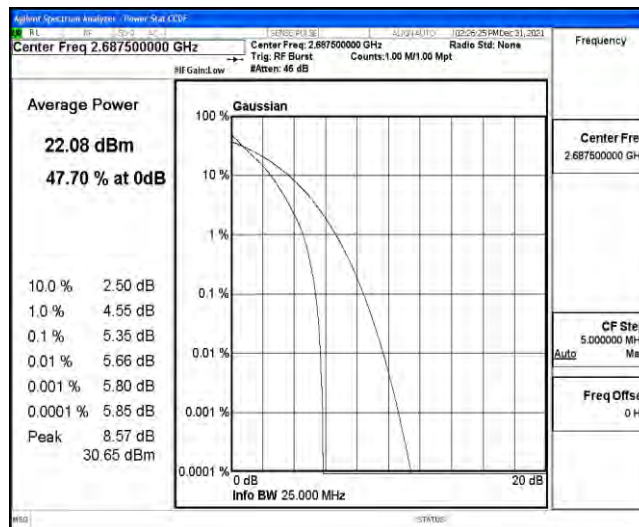
Band41-5MHz-QPSK-39675



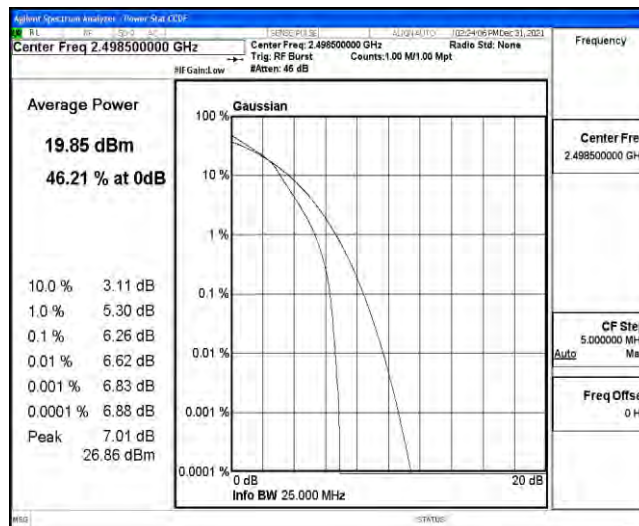
Band41-5MHz-QPSK-40620



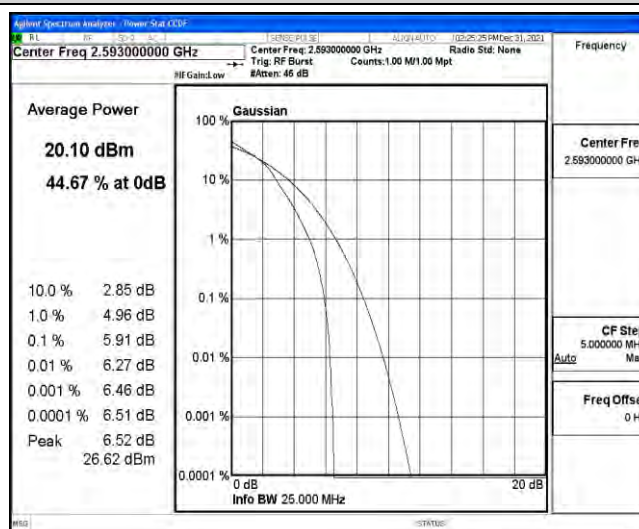
Band41-5MHz-QPSK-41565



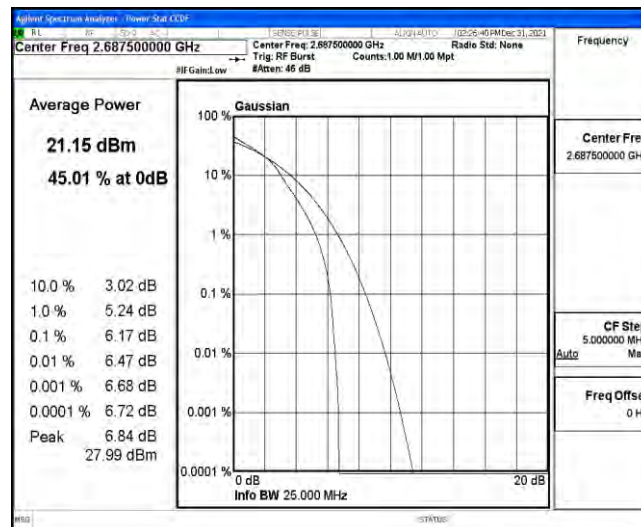
Band41-5MHz-16QAM-39675



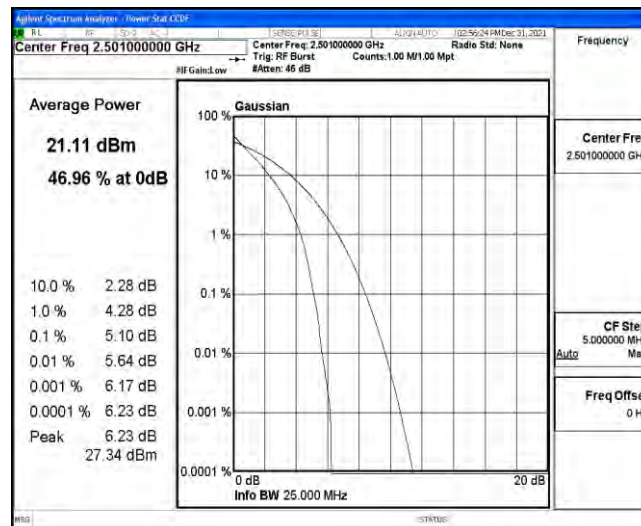
Band41-5MHz-16QAM-40620



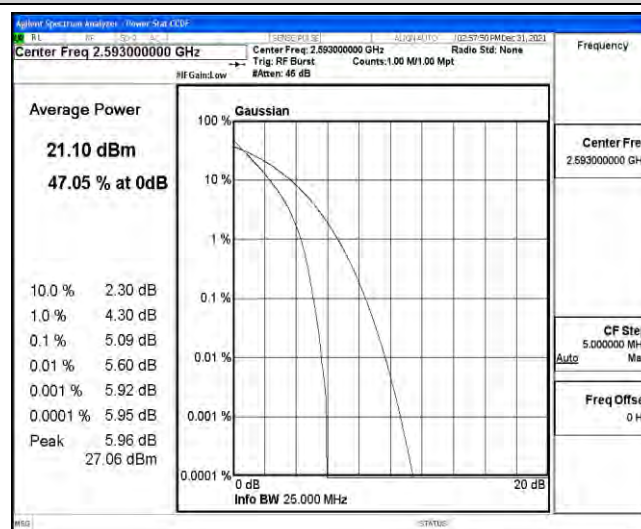
Band41-5MHz-16QAM-41565



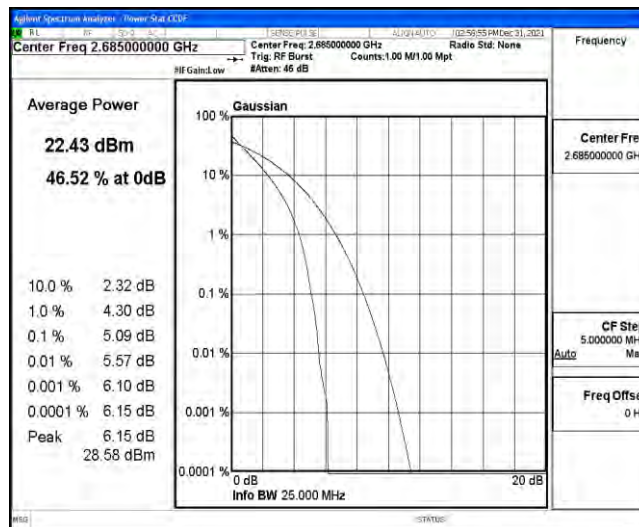
Band41-10MHz-QPSK-39700



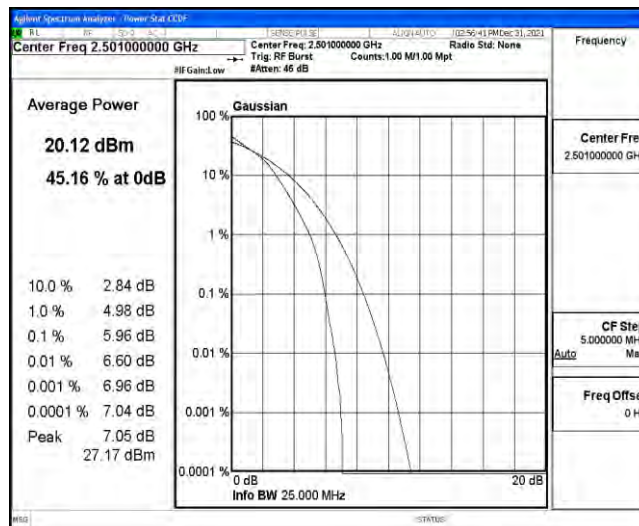
Band41-10MHz-QPSK-40620



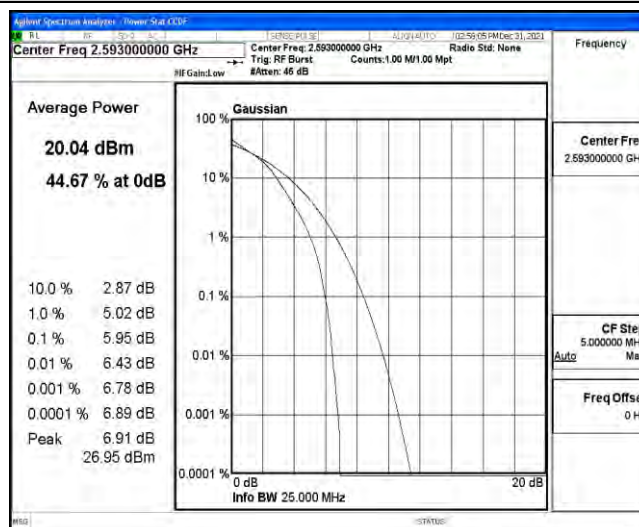
Band41-10MHz-QPSK-41540



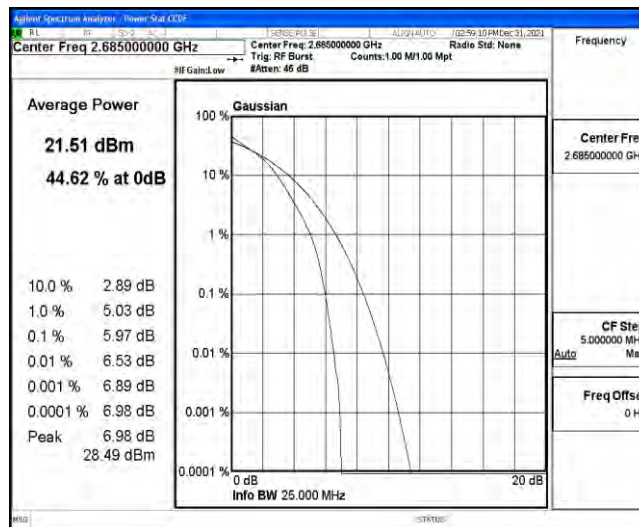
Band41-10MHz-16QAM-39700



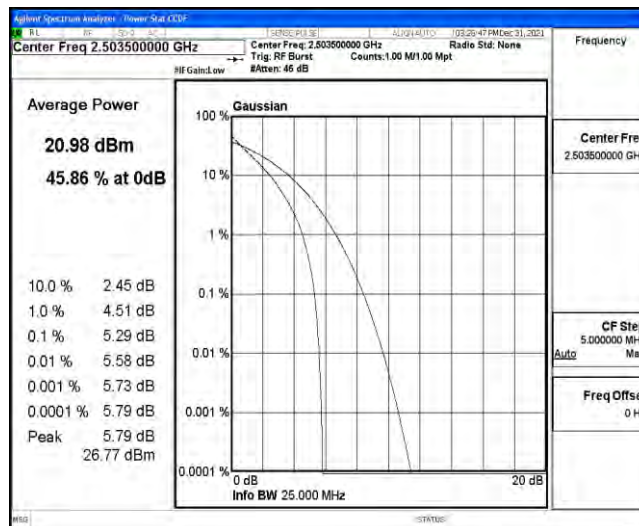
Band41-10MHz-16QAM-40620



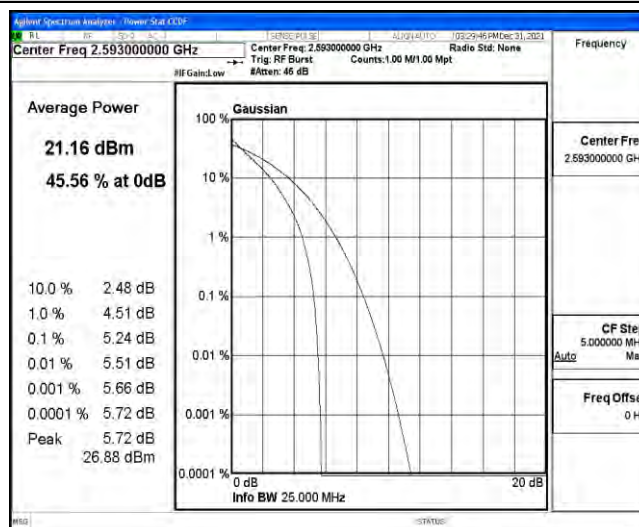
Band41-10MHz-16QAM-41540



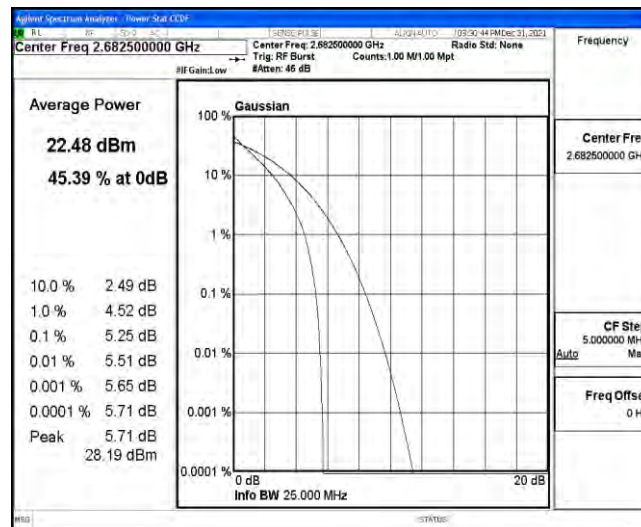
Band41-15MHz-QPSK-39725



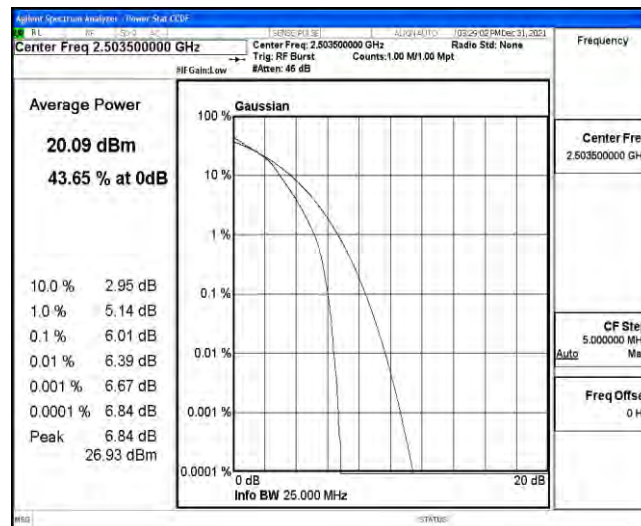
Band41-15MHz-QPSK-40620



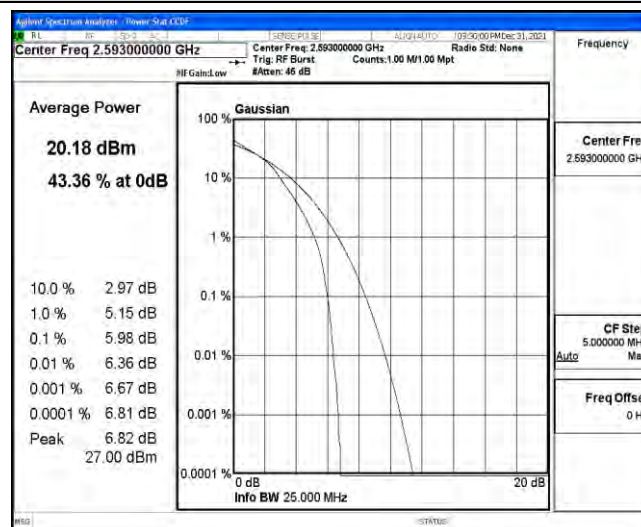
Band41-15MHz-QPSK-41515



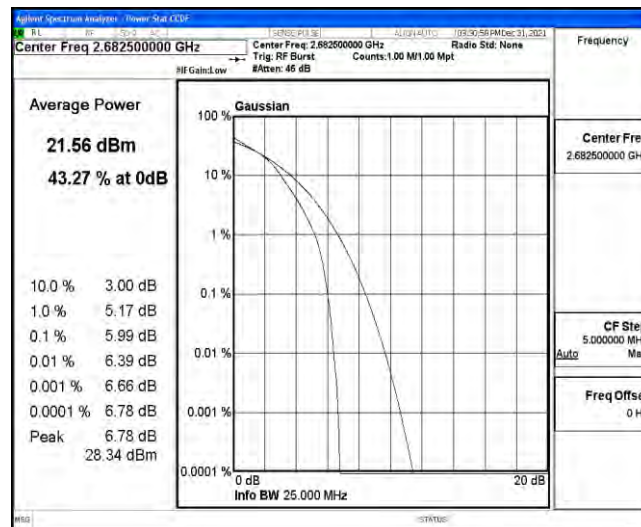
Band41-15MHz-16QAM-39725



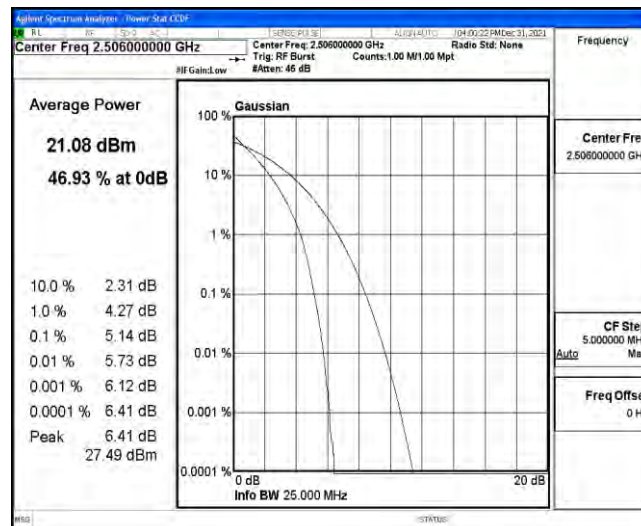
Band41-15MHz-16QAM-40620



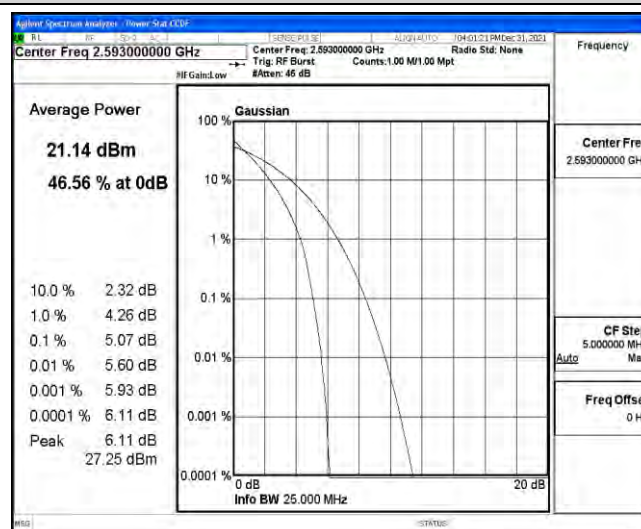
Band41-15MHz-16QAM-41515



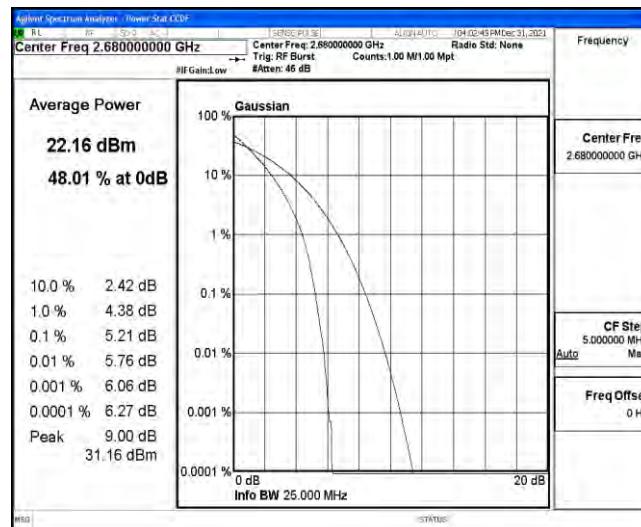
Band41-20MHz-QPSK-39750



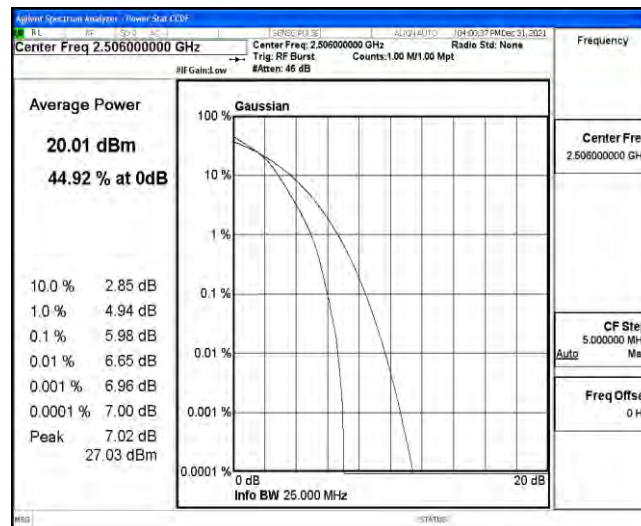
Band41-20MHz-QPSK-40620



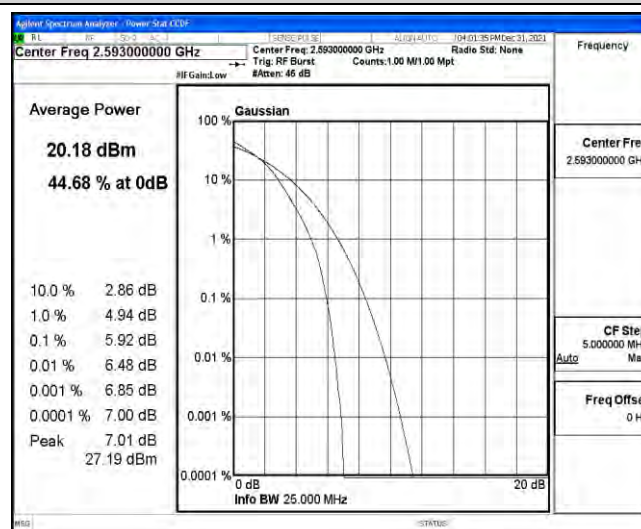
Band41-20MHz-QPSK-41490



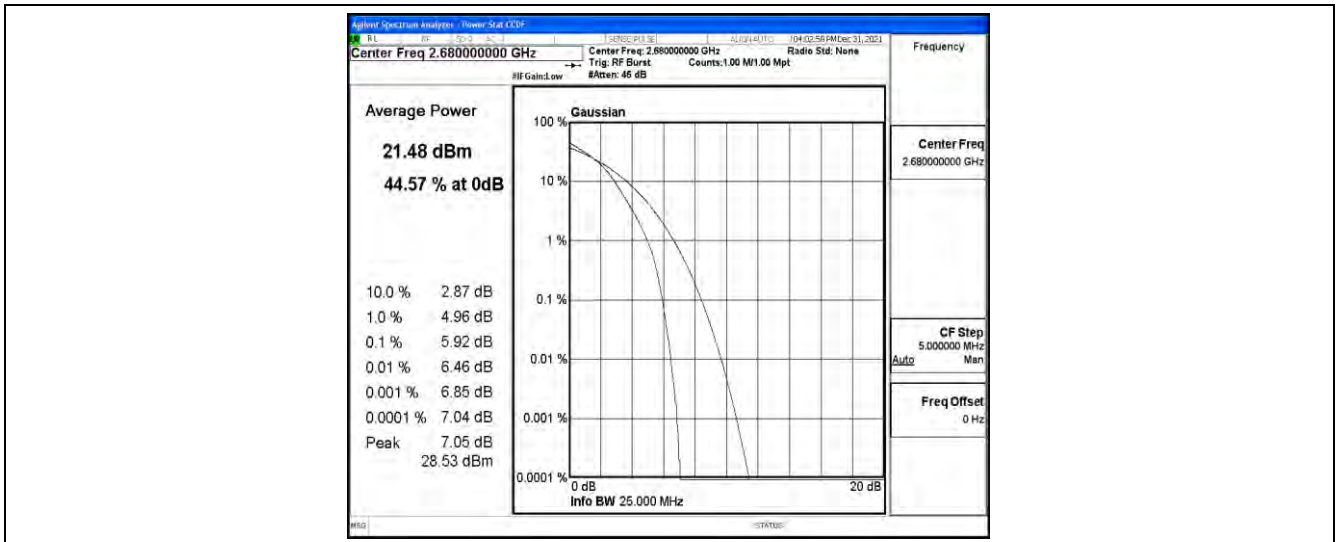
Band41-20MHz-16QAM-39750



Band41-20MHz-16QAM-40620



Band41-20MHz-16QAM-41490





### I.3 26dB Bandwidth and Occupied Bandwidth

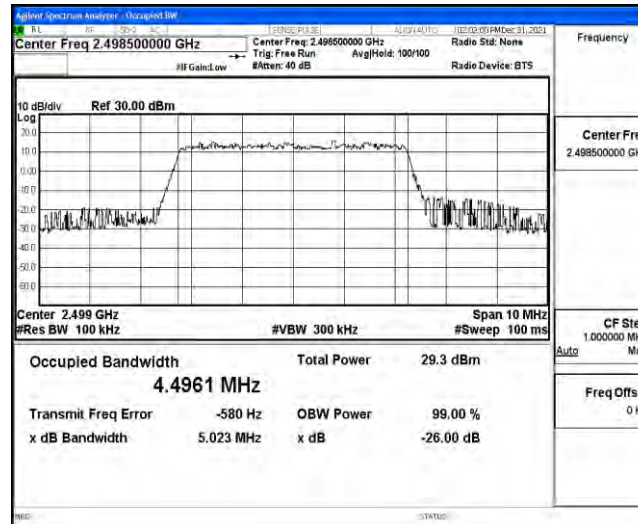
#### Test Result

| Band   | Bandwidth | Modulation | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Verdict |
|--------|-----------|------------|---------|--------------------------|----------------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | 4.4961                   | 5.023                | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | 4.5042                   | 5.006                | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | 4.5007                   | 4.999                | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | 4.4926                   | 4.969                | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | 4.4930                   | 4.943                | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | 4.5002                   | 5.123                | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | 8.9713                   | 10.54                | PASS    |
| Band41 | 10MHz     | QPSK       | 40620   | 8.9751                   | 10.93                | PASS    |
| Band41 | 10MHz     | QPSK       | 41540   | 8.9597                   | 10.19                | PASS    |
| Band41 | 10MHz     | 16QAM      | 39700   | 8.9677                   | 9.840                | PASS    |
| Band41 | 10MHz     | 16QAM      | 40620   | 8.9729                   | 9.765                | PASS    |
| Band41 | 10MHz     | 16QAM      | 41540   | 8.9890                   | 9.867                | PASS    |
| Band41 | 15MHz     | QPSK       | 39725   | 13.391                   | 15.62                | PASS    |
| Band41 | 15MHz     | QPSK       | 40620   | 13.488                   | 16.31                | PASS    |
| Band41 | 15MHz     | QPSK       | 41515   | 13.441                   | 15.77                | PASS    |
| Band41 | 15MHz     | 16QAM      | 39725   | 13.428                   | 15.96                | PASS    |
| Band41 | 15MHz     | 16QAM      | 40620   | 13.456                   | 15.92                | PASS    |
| Band41 | 15MHz     | 16QAM      | 41515   | 13.478                   | 15.93                | PASS    |
| Band41 | 20MHz     | QPSK       | 39750   | 17.876                   | 19.26                | PASS    |
| Band41 | 20MHz     | QPSK       | 40620   | 17.902                   | 19.18                | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | 17.890                   | 19.22                | PASS    |
| Band41 | 20MHz     | 16QAM      | 39750   | 17.865                   | 19.82                | PASS    |
| Band41 | 20MHz     | 16QAM      | 40620   | 17.567                   | 19.62                | PASS    |
| Band41 | 20MHz     | 16QAM      | 41490   | 17.838                   | 19.55                | PASS    |

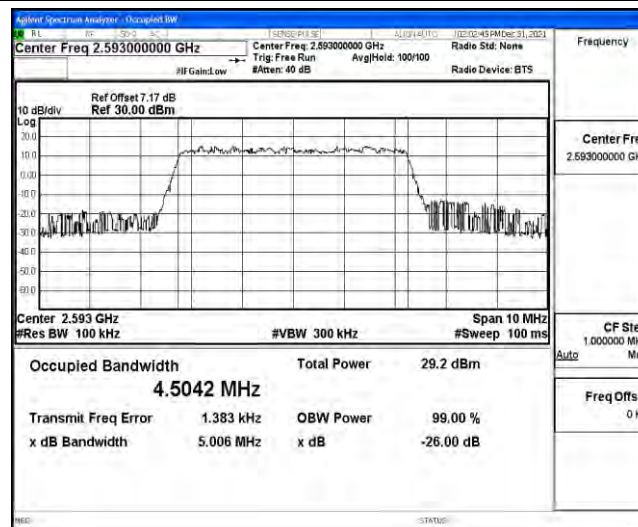


## Test Graphs

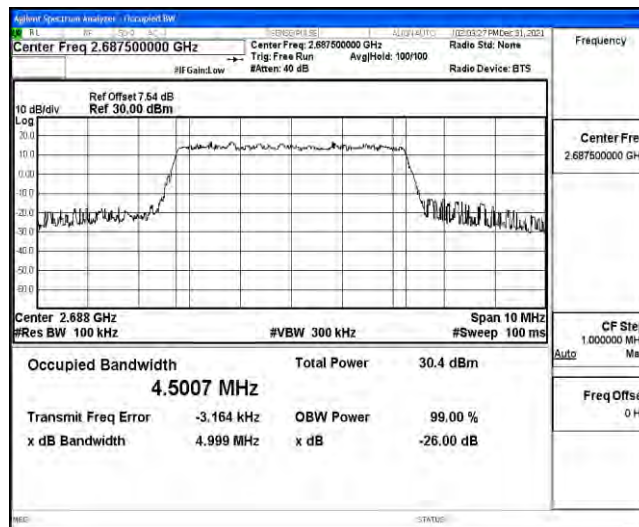
Band41-5MHz-QPSK-39675



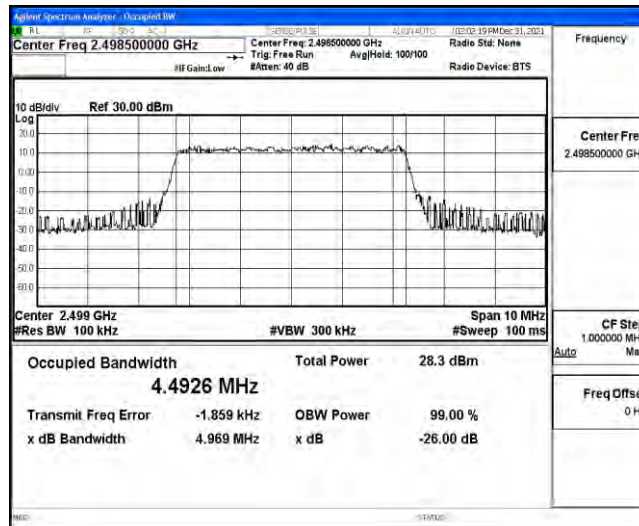
Band41-5MHz-QPSK-40620



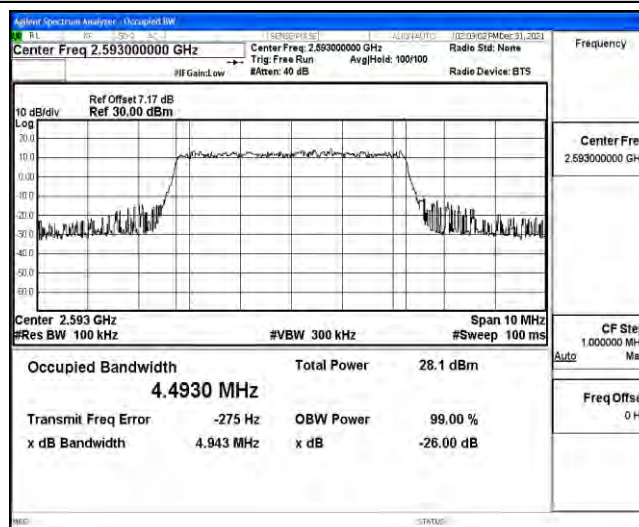
Band41-5MHz-QPSK-41565



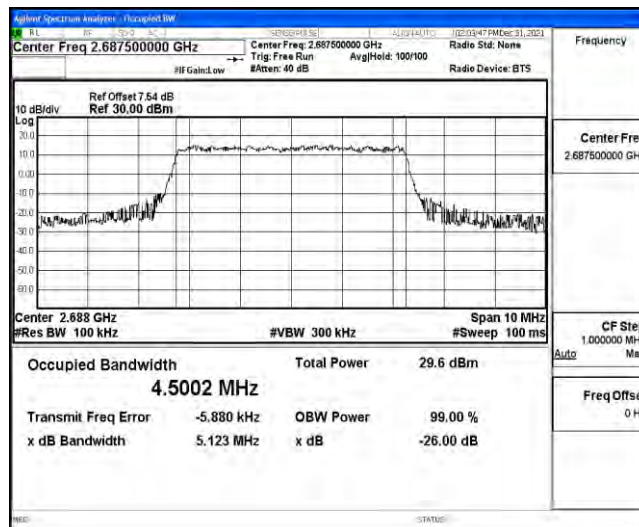
Band41-5MHz-16QAM-39675



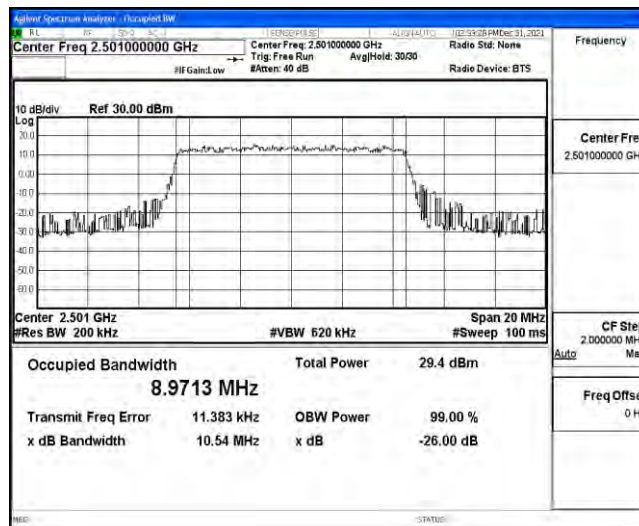
Band41-5MHz-16QAM-40620



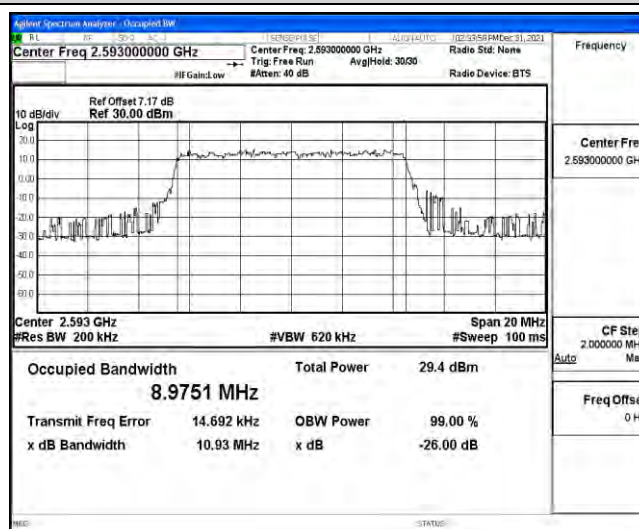
Band41-5MHz-16QAM-41565



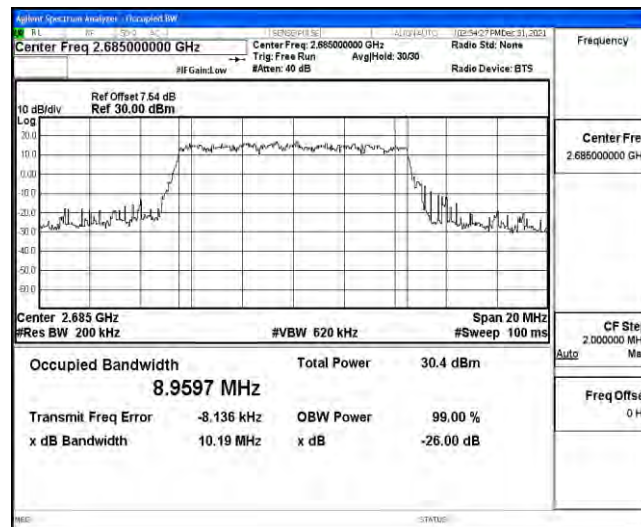
Band41-10MHz-QPSK-39700



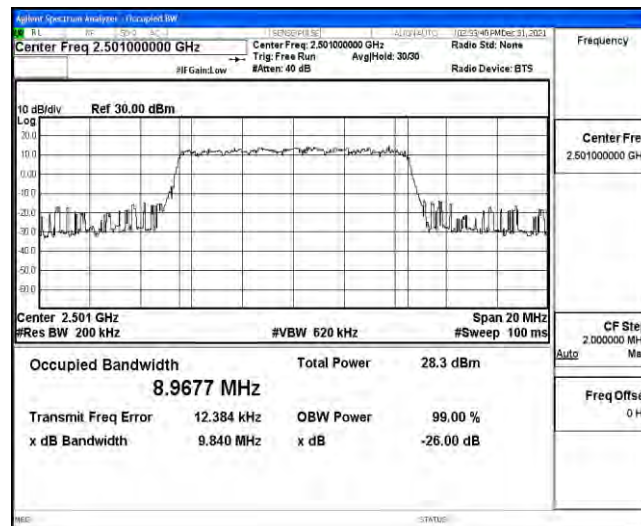
Band41-10MHz-QPSK-40620



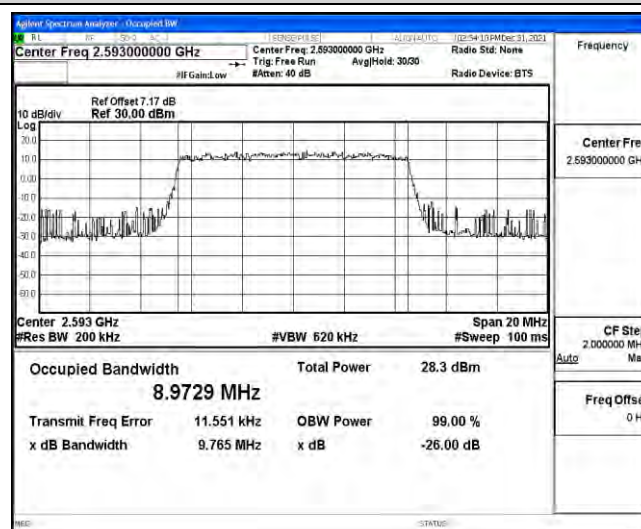
Band41-10MHz-QPSK-41540



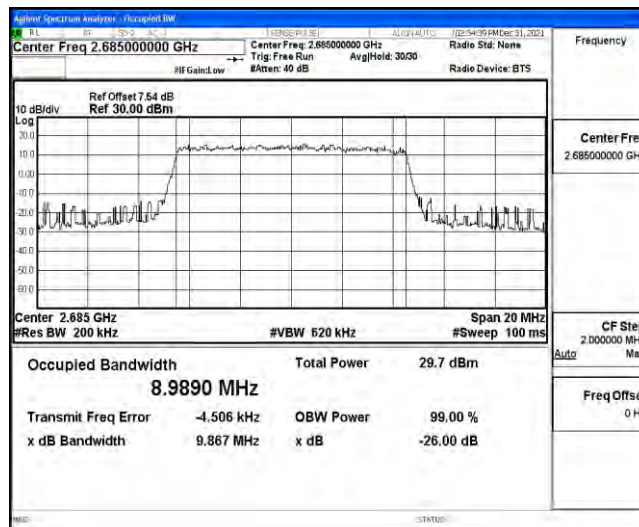
Band41-10MHz-16QAM-39700



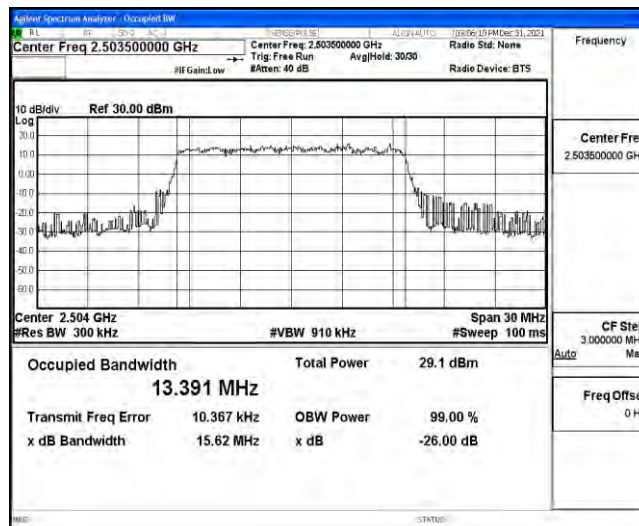
Band41-10MHz-16QAM-40620



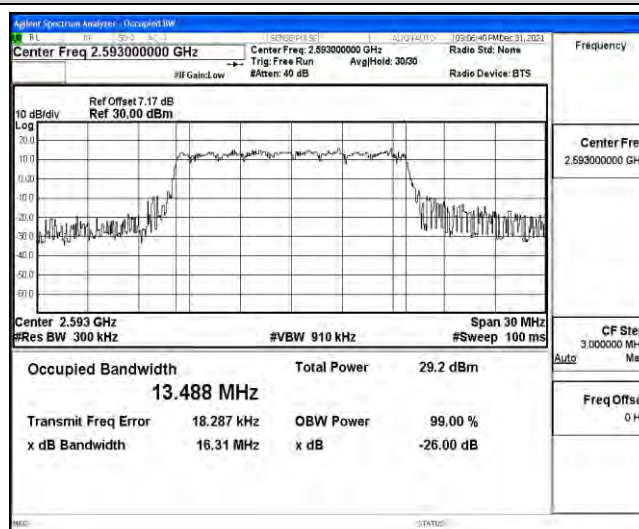
Band41-10MHz-16QAM-41540



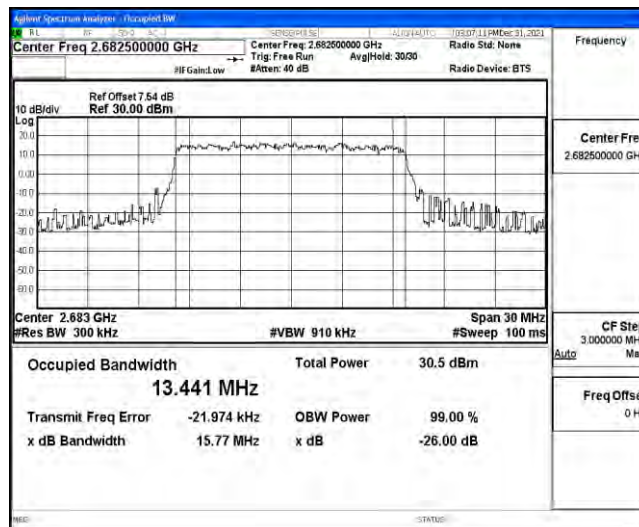
Band41-15MHz-QPSK-39725



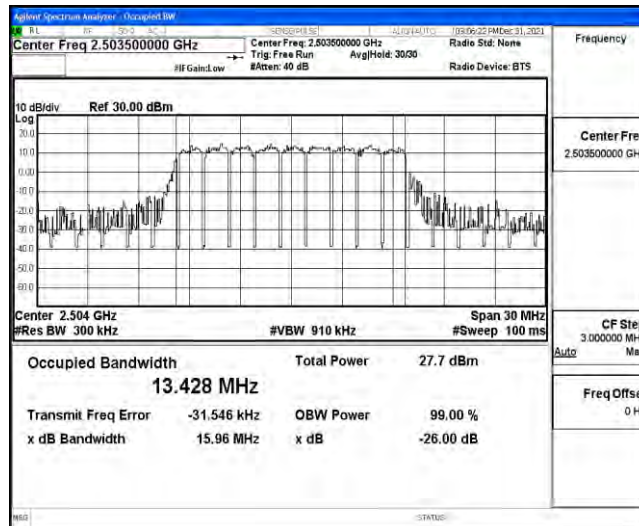
Band41-15MHz-QPSK-40620



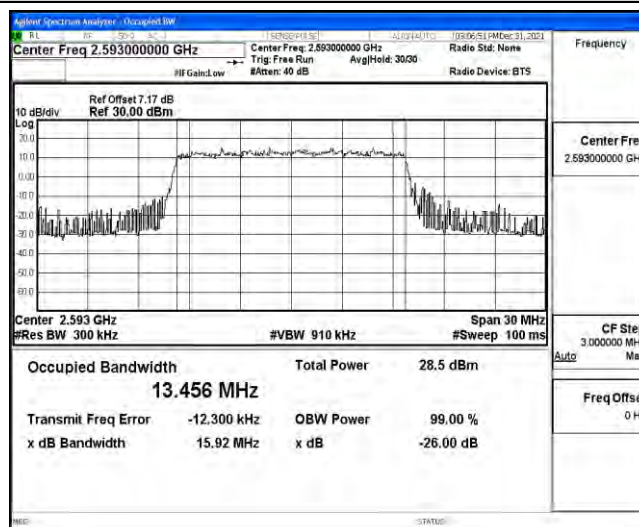
Band41-15MHz-QPSK-41515



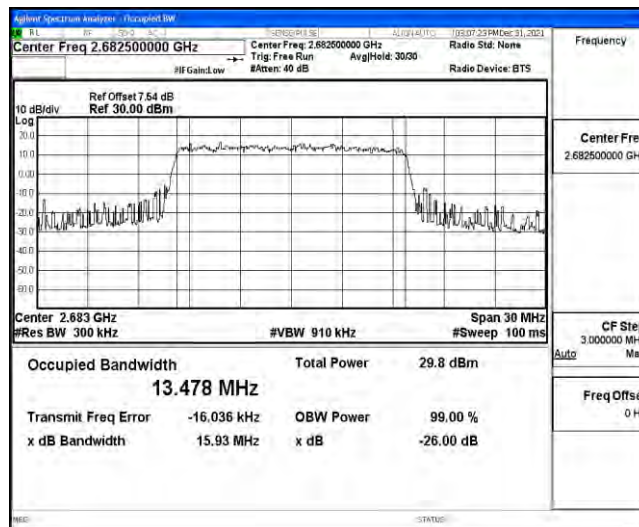
Band41-15MHz-16QAM-39725



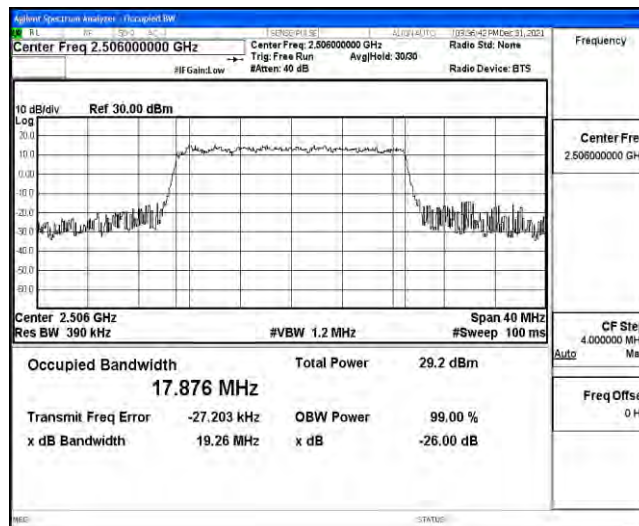
Band41-15MHz-16QAM-40620



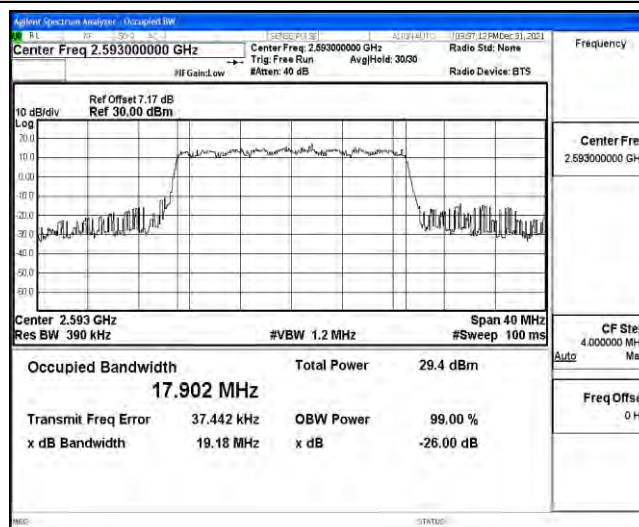
Band41-15MHz-16QAM-41515



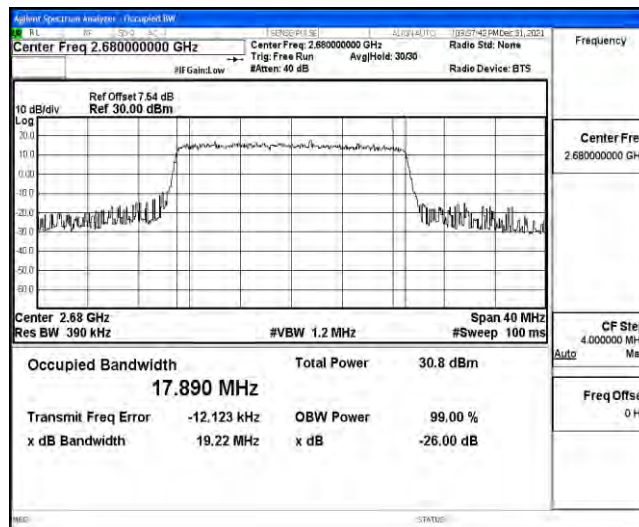
Band41-20MHz-QPSK-39750



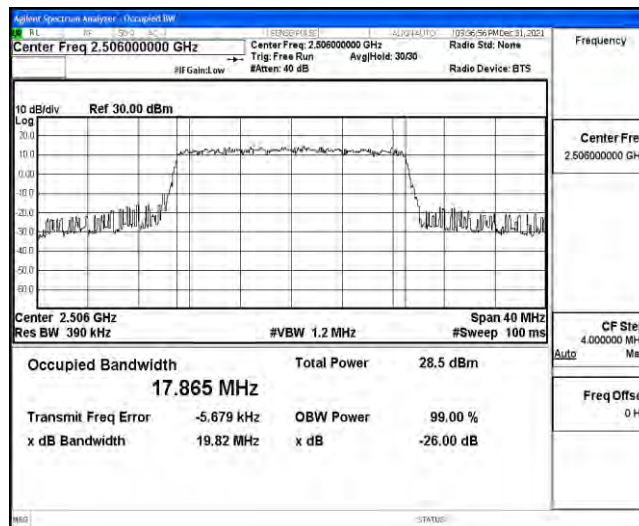
Band41-20MHz-QPSK-40620



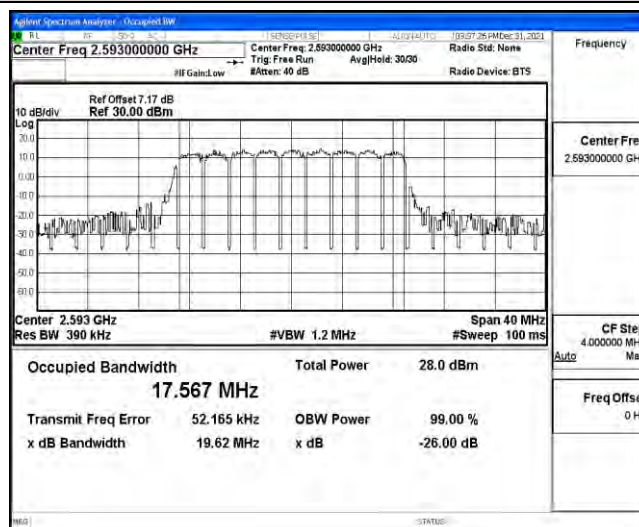
Band41-20MHz-QPSK-41490



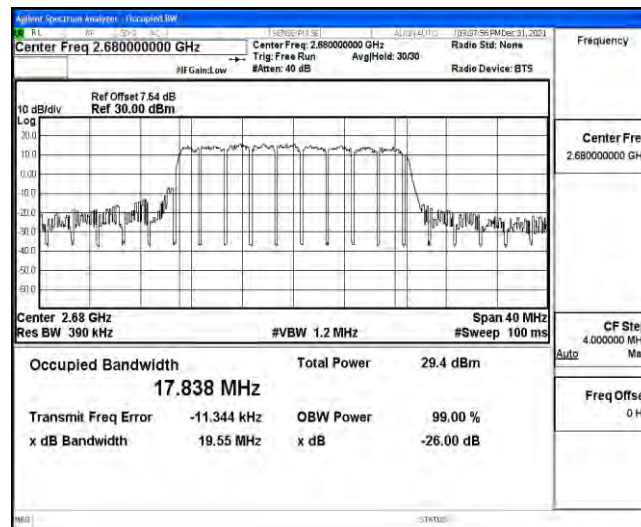
Band41-20MHz-16QAM-39750



Band41-20MHz-16QAM-40620



Band41-20MHz-16QAM-41490



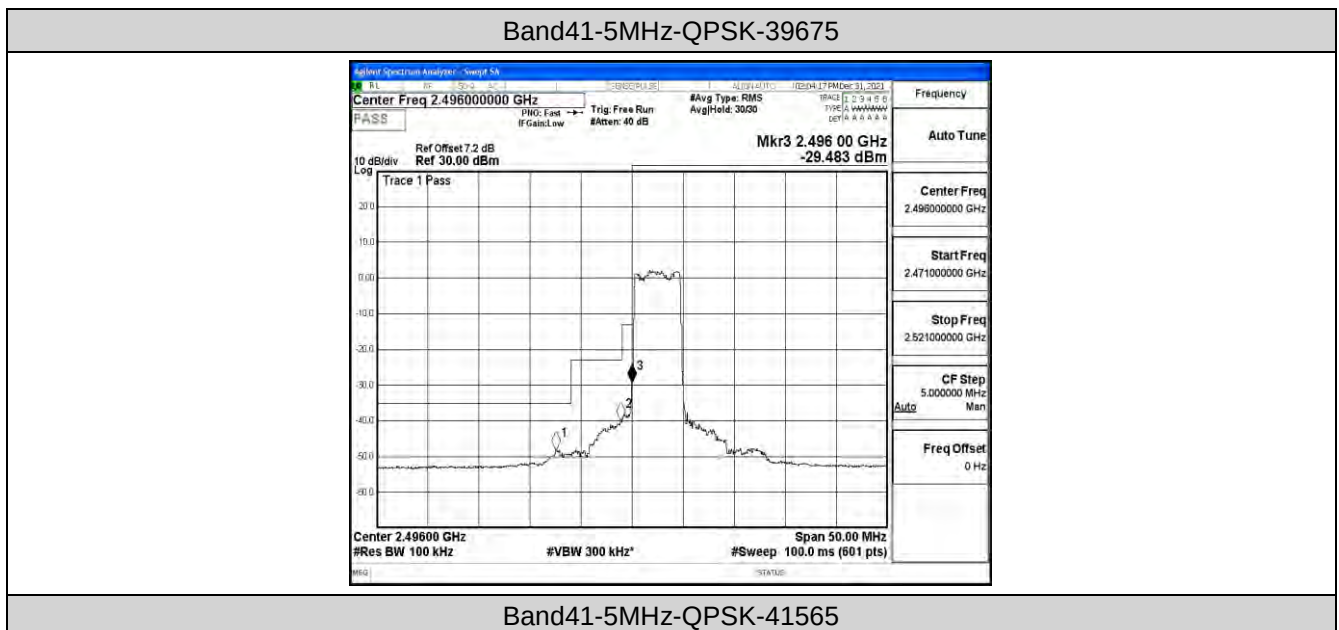


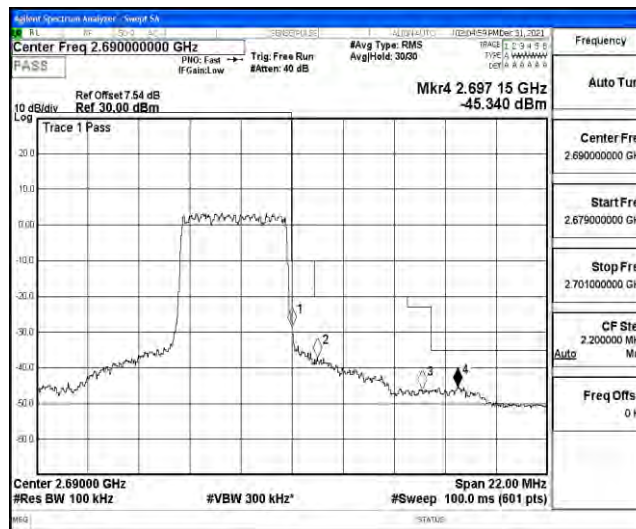
## I.4 Band Edge

### Test Result

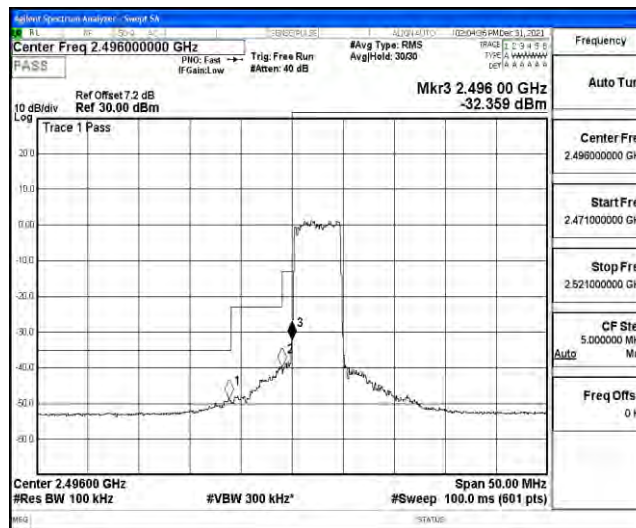
| Band   | Bandwidth | Modulation | Channel | Result(dBm)                 | Verdict |
|--------|-----------|------------|---------|-----------------------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | -48.25,-40.03,-29.48        | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | -28.51,-37.06,-46.00,-45.34 | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | -48.64,-39.64,-32.36        | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | -32.14,-37.03,-45.63,-46.04 | PASS    |
| Band41 | 10MHz     | QPSK       | 39700   | -46.95,-39.04,-33.28        | PASS    |
| Band41 | 10MHz     | QPSK       | 41540   | -30.85,-36.55,-41.05,-45.75 | PASS    |
| Band41 | 10MHz     | 16QAM      | 39700   | -47.55,-39.74,-35.82        | PASS    |
| Band41 | 10MHz     | 16QAM      | 41540   | -33.25,-37.57,-41.33,-44.68 | PASS    |
| Band41 | 15MHz     | QPSK       | 39725   | -46.72,-37.57,-34.64        | PASS    |
| Band41 | 15MHz     | QPSK       | 41515   | -33.23,-33.67,-38.95,-44.88 | PASS    |
| Band41 | 15MHz     | 16QAM      | 39725   | -46.81,-38.17,-35.89        | PASS    |
| Band41 | 15MHz     | 16QAM      | 41515   | -33.67,-35.34,-39.88,-45.39 | PASS    |
| Band41 | 20MHz     | QPSK       | 39750   | -46.70,-38.75,-35.54        | PASS    |
| Band41 | 20MHz     | QPSK       | 41490   | -36.14,-36.81,-39.47,-45.24 | PASS    |
| Band41 | 20MHz     | 16QAM      | 39750   | -46.54,-38.67,-36.37        | PASS    |
| Band41 | 20MHz     | 16QAM      | 41490   | -36.99,-37.56,-39.40,-45.09 | PASS    |

### Test Graphs

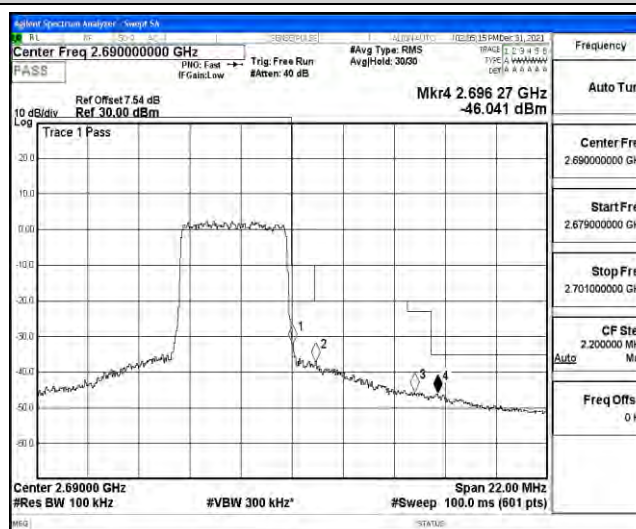




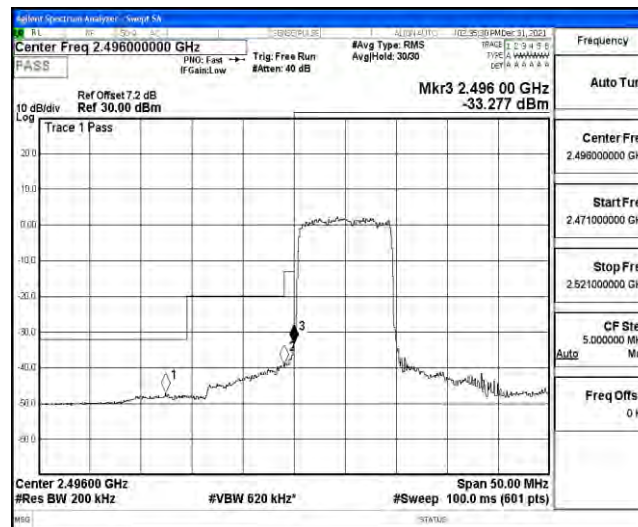
Band41-5MHz-16QAM-39675



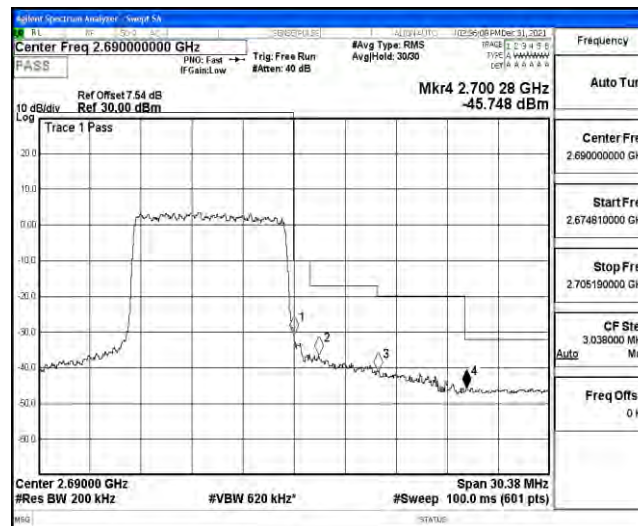
Band41-5MHz-16QAM-41565



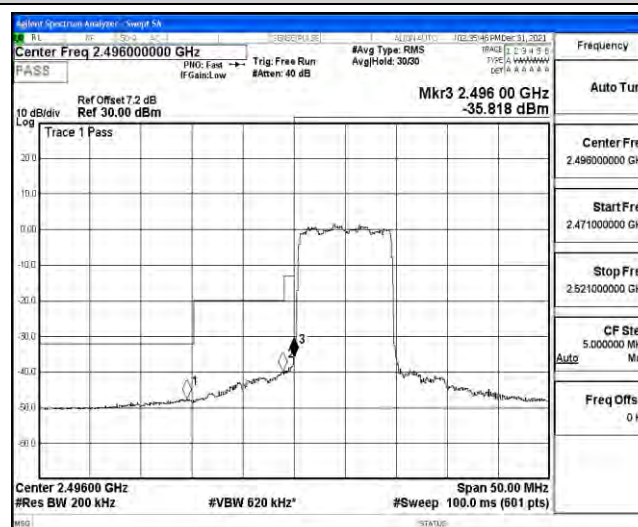
Band41-10MHz-QPSK-39700



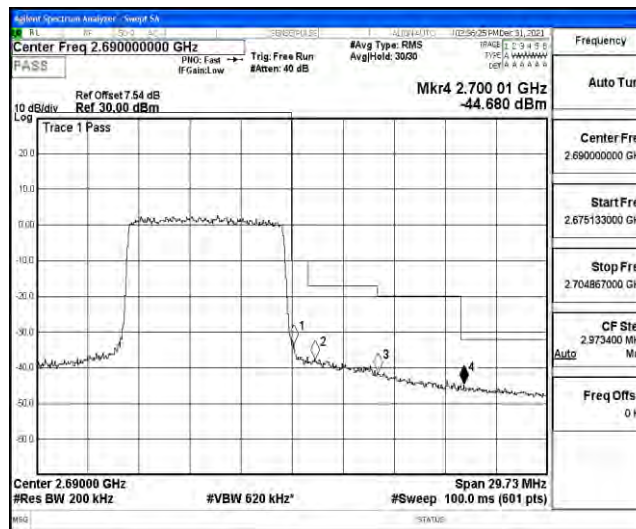
Band41-10MHz-QPSK-41540



Band41-10MHz-16QAM-39700



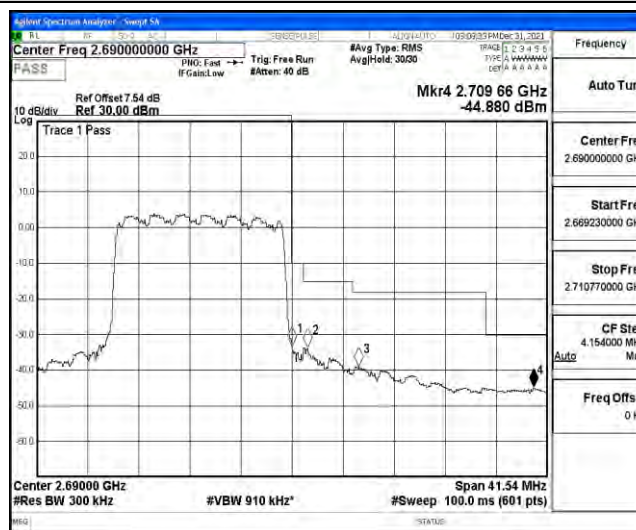
Band41-10MHz-16QAM-41540



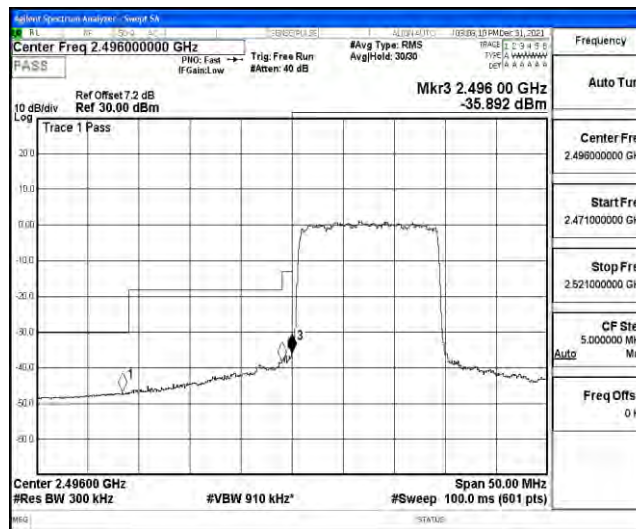
Band41-15MHz-QPSK-39725



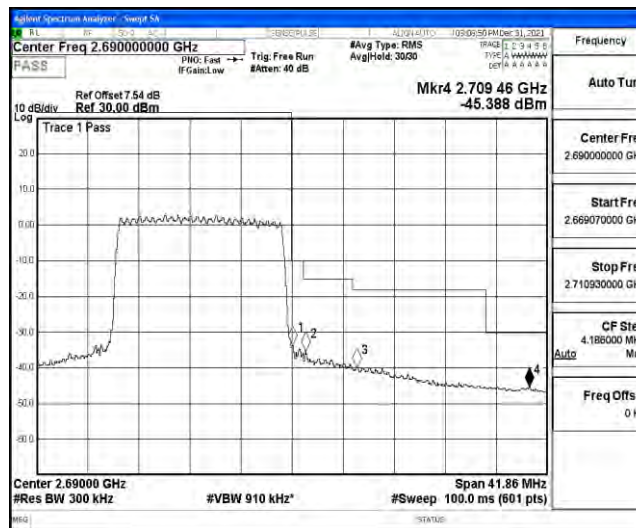
Band41-15MHz-QPSK-41515



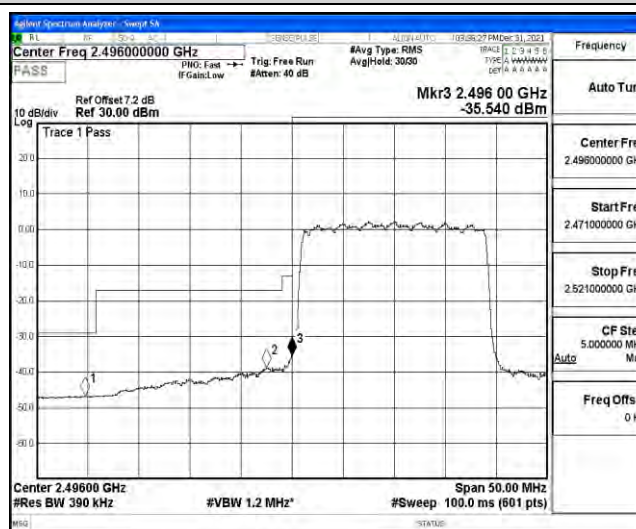
Band41-15MHz-16QAM-39725



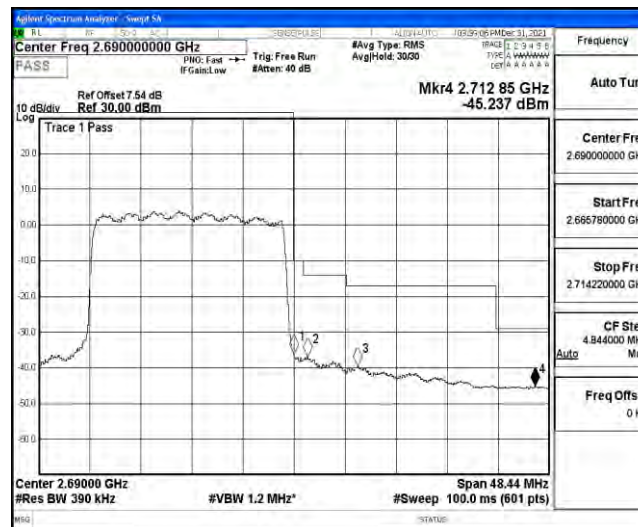
Band41-15MHz-16QAM-41515



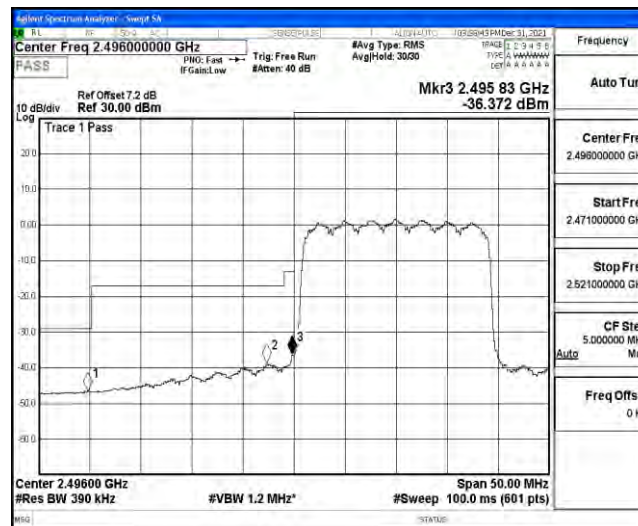
Band41-20MHz-QPSK-39750



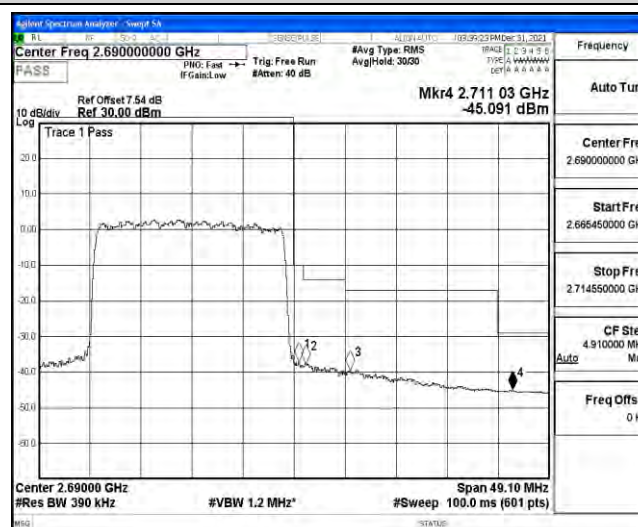
Band41-20MHz-QPSK-41490



Band41-20MHz-16QAM-39750



Band41-20MHz-16QAM-41490





## I.5 Conducted Spurious Emission

### Test Result

| Band   | Bandwidth | Modulation | Channel | Frequency Range       | Result (dBm) | Verdict |
|--------|-----------|------------|---------|-----------------------|--------------|---------|
| Band41 | 5MHz      | QPSK       | 39675   | Range1:0.009~0.15MHz  | -66.65       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | Range2:0.15~30MHz     | -50.01       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | Range3:30~1000MHz     | -40.42       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | Range4:1000~10000MHz  | -45.38       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | Range5:10000~20000MHz | -49.52       | PASS    |
| Band41 | 5MHz      | QPSK       | 39675   | Range6:20000~26500MHz | -37.36       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | Range1:0.009~0.15MHz  | -65.26       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | Range2:0.15~30MHz     | -50.3        | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | Range3:30~1000MHz     | -41.5        | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | Range4:1000~10000MHz  | -45.28       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | Range5:10000~20000MHz | -49.43       | PASS    |
| Band41 | 5MHz      | QPSK       | 40620   | Range6:20000~26500MHz | -37.4        | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | Range1:0.009~0.15MHz  | -66.08       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | Range2:0.15~30MHz     | -51.01       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | Range3:30~1000MHz     | -42.74       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | Range4:1000~10000MHz  | -45.51       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | Range5:10000~20000MHz | -49.47       | PASS    |
| Band41 | 5MHz      | QPSK       | 41565   | Range6:20000~26500MHz | -37.31       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | Range1:0.009~0.15MHz  | -67.64       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | Range2:0.15~30MHz     | -51.39       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | Range3:30~1000MHz     | -41.47       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | Range4:1000~10000MHz  | -45.5        | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | Range5:10000~20000MHz | -49.42       | PASS    |
| Band41 | 5MHz      | 16QAM      | 39675   | Range6:20000~26500MHz | -37.41       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | Range1:0.009~0.15MHz  | -66.74       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | Range2:0.15~30MHz     | -51.65       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | Range3:30~1000MHz     | -43.14       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | Range4:1000~10000MHz  | -45.22       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | Range5:10000~20000MHz | -49.43       | PASS    |
| Band41 | 5MHz      | 16QAM      | 40620   | Range6:20000~26500MHz | -37.37       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | Range1:0.009~0.15MHz  | -65.89       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | Range2:0.15~30MHz     | -49.77       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | Range3:30~1000MHz     | -42.58       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | Range4:1000~10000MHz  | -45.29       | PASS    |
| Band41 | 5MHz      | 16QAM      | 41565   | Range5:10000~20000MHz | -49.51       | PASS    |



|        |       |       |       |                       |        |      |
|--------|-------|-------|-------|-----------------------|--------|------|
| Band41 | 5MHz  | 16QAM | 41565 | Range6:20000~26500MHz | -37.32 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | Range1:0.009~0.15MHz  | -66.71 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | Range2:0.15~30MHz     | -53.44 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | Range3:30~1000MHz     | -42.3  | PASS |
| Band41 | 10MHz | QPSK  | 39700 | Range4:1000~10000MHz  | -45.4  | PASS |
| Band41 | 10MHz | QPSK  | 39700 | Range5:10000~20000MHz | -49.58 | PASS |
| Band41 | 10MHz | QPSK  | 39700 | Range6:20000~26500MHz | -37.32 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | Range1:0.009~0.15MHz  | -65.53 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | Range2:0.15~30MHz     | -51.34 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | Range3:30~1000MHz     | -42.52 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | Range4:1000~10000MHz  | -45.37 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | Range5:10000~20000MHz | -49.54 | PASS |
| Band41 | 10MHz | QPSK  | 40620 | Range6:20000~26500MHz | -37.07 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | Range1:0.009~0.15MHz  | -67.17 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | Range2:0.15~30MHz     | -51.41 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | Range3:30~1000MHz     | -43.02 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | Range4:1000~10000MHz  | -45.44 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | Range5:10000~20000MHz | -49.54 | PASS |
| Band41 | 10MHz | QPSK  | 41540 | Range6:20000~26500MHz | -37.3  | PASS |
| Band41 | 10MHz | 16QAM | 39700 | Range1:0.009~0.15MHz  | -64.61 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | Range2:0.15~30MHz     | -52.31 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | Range3:30~1000MHz     | -40.96 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | Range4:1000~10000MHz  | -45.37 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | Range5:10000~20000MHz | -49.42 | PASS |
| Band41 | 10MHz | 16QAM | 39700 | Range6:20000~26500MHz | -37.27 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | Range1:0.009~0.15MHz  | -67.57 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | Range2:0.15~30MHz     | -51.18 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | Range3:30~1000MHz     | -42.21 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | Range4:1000~10000MHz  | -45.5  | PASS |
| Band41 | 10MHz | 16QAM | 40620 | Range5:10000~20000MHz | -49.44 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | Range6:20000~26500MHz | -37.43 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | Range1:0.009~0.15MHz  | -65.01 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | Range2:0.15~30MHz     | -52.28 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | Range3:30~1000MHz     | -40.28 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | Range4:1000~10000MHz  | -45.45 | PASS |
| Band41 | 10MHz | 16QAM | 41540 | Range5:10000~20000MHz | -49.6  | PASS |
| Band41 | 10MHz | 16QAM | 41540 | Range6:20000~26500MHz | -37.26 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | Range1:0.009~0.15MHz  | -64.85 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | Range2:0.15~30MHz     | -52.83 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | Range3:30~1000MHz     | -42.57 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | Range4:1000~10000MHz  | -45.5  | PASS |
| Band41 | 15MHz | QPSK  | 39725 | Range5:10000~20000MHz | -49.57 | PASS |
| Band41 | 15MHz | QPSK  | 39725 | Range6:20000~26500MHz | -37.38 | PASS |



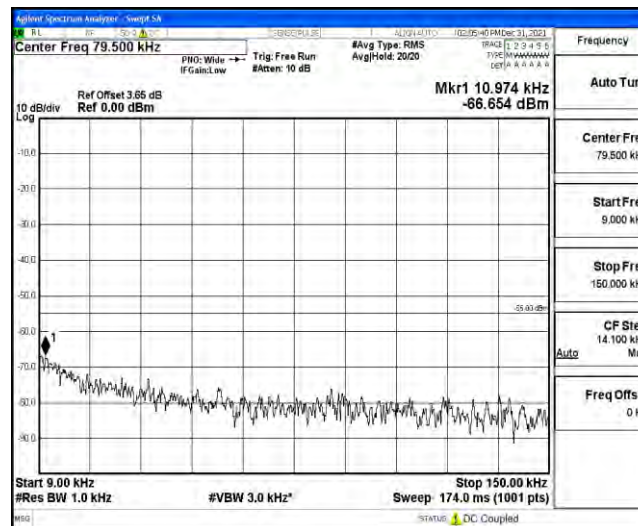
|        |       |       |       |                       |        |      |
|--------|-------|-------|-------|-----------------------|--------|------|
| Band41 | 15MHz | QPSK  | 40620 | Range1:0.009~0.15MHz  | -66.57 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | Range2:0.15~30MHz     | -51.74 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | Range3:30~1000MHz     | -42.77 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | Range4:1000~10000MHz  | -45.53 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | Range5:10000~20000MHz | -49.52 | PASS |
| Band41 | 15MHz | QPSK  | 40620 | Range6:20000~26500MHz | -37.44 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | Range1:0.009~0.15MHz  | -66.1  | PASS |
| Band41 | 15MHz | QPSK  | 41515 | Range2:0.15~30MHz     | -52.23 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | Range3:30~1000MHz     | -43.6  | PASS |
| Band41 | 15MHz | QPSK  | 41515 | Range4:1000~10000MHz  | -45.4  | PASS |
| Band41 | 15MHz | QPSK  | 41515 | Range5:10000~20000MHz | -49.56 | PASS |
| Band41 | 15MHz | QPSK  | 41515 | Range6:20000~26500MHz | -37.19 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | Range1:0.009~0.15MHz  | -65.8  | PASS |
| Band41 | 15MHz | 16QAM | 39725 | Range2:0.15~30MHz     | -52.01 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | Range3:30~1000MHz     | -42.67 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | Range4:1000~10000MHz  | -45.49 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | Range5:10000~20000MHz | -49.53 | PASS |
| Band41 | 15MHz | 16QAM | 39725 | Range6:20000~26500MHz | -37.04 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | Range1:0.009~0.15MHz  | -66.51 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | Range2:0.15~30MHz     | -50.28 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | Range3:30~1000MHz     | -42.54 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | Range4:1000~10000MHz  | -45.33 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | Range5:10000~20000MHz | -49.54 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | Range6:20000~26500MHz | -37.44 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | Range1:0.009~0.15MHz  | -65.73 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | Range2:0.15~30MHz     | -50.63 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | Range3:30~1000MHz     | -43.4  | PASS |
| Band41 | 15MHz | 16QAM | 41515 | Range4:1000~10000MHz  | -45.25 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | Range5:10000~20000MHz | -49.53 | PASS |
| Band41 | 15MHz | 16QAM | 41515 | Range6:20000~26500MHz | -37.25 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | Range1:0.009~0.15MHz  | -65.44 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | Range2:0.15~30MHz     | -51.7  | PASS |
| Band41 | 20MHz | QPSK  | 39750 | Range3:30~1000MHz     | -43.3  | PASS |
| Band41 | 20MHz | QPSK  | 39750 | Range4:1000~10000MHz  | -45.41 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | Range5:10000~20000MHz | -49.55 | PASS |
| Band41 | 20MHz | QPSK  | 39750 | Range6:20000~26500MHz | -37.32 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | Range1:0.009~0.15MHz  | -65.83 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | Range2:0.15~30MHz     | -50.67 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | Range3:30~1000MHz     | -42.63 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | Range4:1000~10000MHz  | -45.48 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | Range5:10000~20000MHz | -49.55 | PASS |
| Band41 | 20MHz | QPSK  | 40620 | Range6:20000~26500MHz | -37.44 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | Range1:0.009~0.15MHz  | -66.26 | PASS |



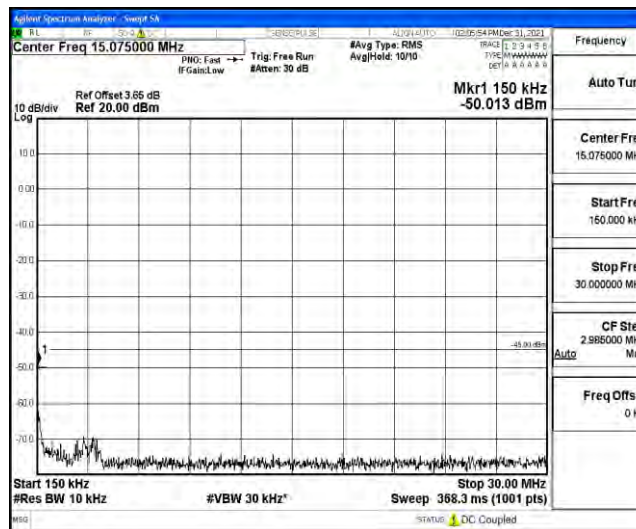
|        |       |       |       |                       |        |      |
|--------|-------|-------|-------|-----------------------|--------|------|
| Band41 | 20MHz | QPSK  | 41490 | Range2:0.15~30MHz     | -51.6  | PASS |
| Band41 | 20MHz | QPSK  | 41490 | Range3:30~1000MHz     | -43.35 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | Range4:1000~10000MHz  | -45.38 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | Range5:10000~20000MHz | -49.51 | PASS |
| Band41 | 20MHz | QPSK  | 41490 | Range6:20000~26500MHz | -37.31 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | Range1:0.009~0.15MHz  | -64.94 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | Range2:0.15~30MHz     | -50.7  | PASS |
| Band41 | 20MHz | 16QAM | 39750 | Range3:30~1000MHz     | -43.08 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | Range4:1000~10000MHz  | -45.42 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | Range5:10000~20000MHz | -49.48 | PASS |
| Band41 | 20MHz | 16QAM | 39750 | Range6:20000~26500MHz | -37.47 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | Range1:0.009~0.15MHz  | -65.92 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | Range2:0.15~30MHz     | -52.61 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | Range3:30~1000MHz     | -43.23 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | Range4:1000~10000MHz  | -45.45 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | Range5:10000~20000MHz | -49.33 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | Range6:20000~26500MHz | -37.42 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | Range1:0.009~0.15MHz  | -66.01 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | Range2:0.15~30MHz     | -52.32 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | Range3:30~1000MHz     | -41.78 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | Range4:1000~10000MHz  | -45.4  | PASS |
| Band41 | 20MHz | 16QAM | 41490 | Range5:10000~20000MHz | -49.59 | PASS |
| Band41 | 20MHz | 16QAM | 41490 | Range6:20000~26500MHz | -37.33 | PASS |

## Test Graphs

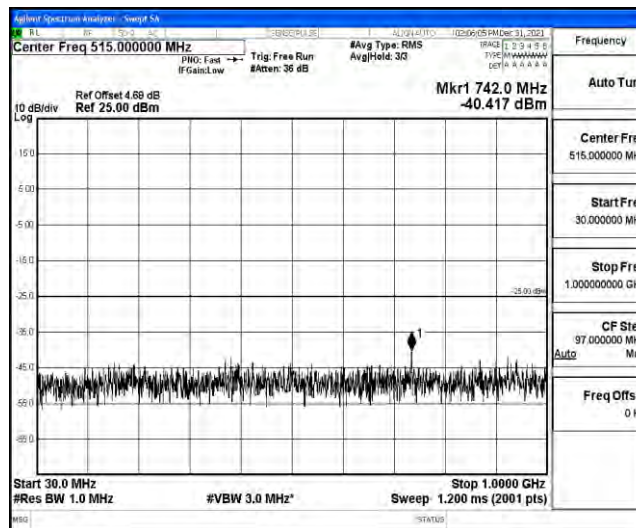
Band41-5MHz-QPSK-39675-Range1:0.009~0.15MHz



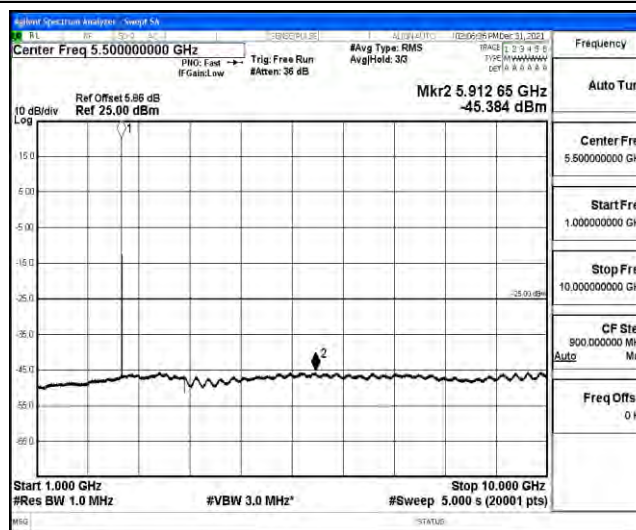
Band41-5MHz-QPSK-39675-Range2:0.15~30MHz



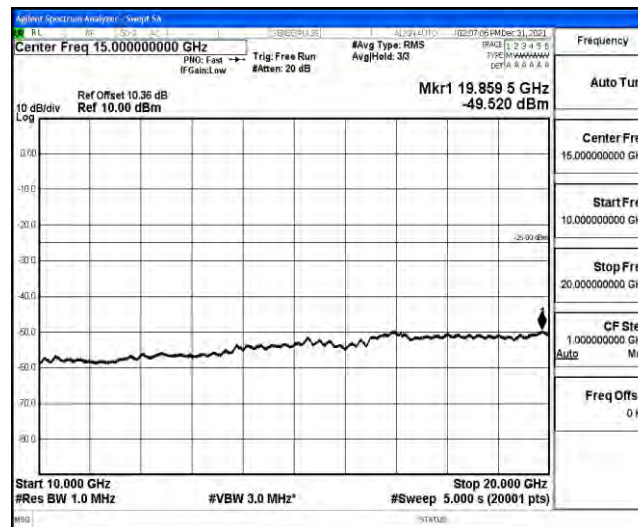
Band41-5MHz-QPSK-39675-Range3:30~1000MHz



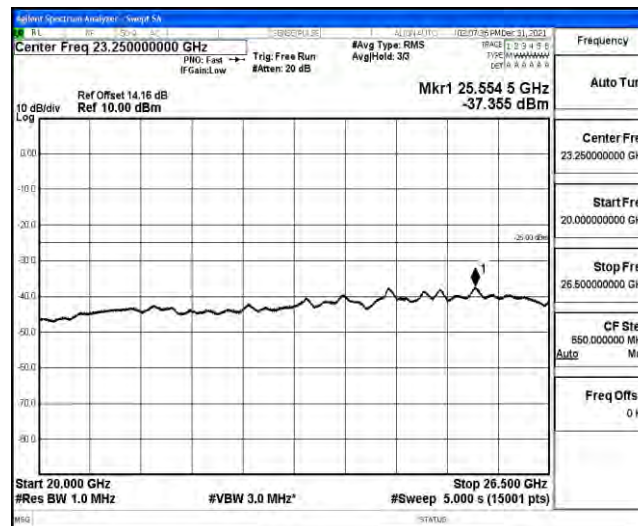
Band41-5MHz-QPSK-39675-Range4:1000~10000MHz



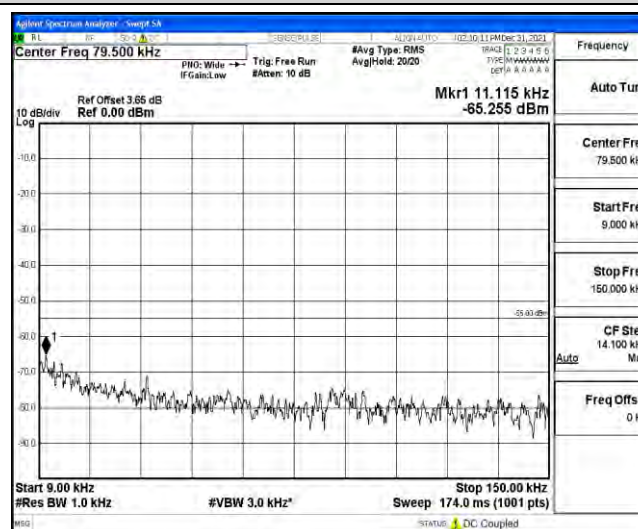
Band41-5MHz-QPSK-39675-Range5:10000~20000MHz



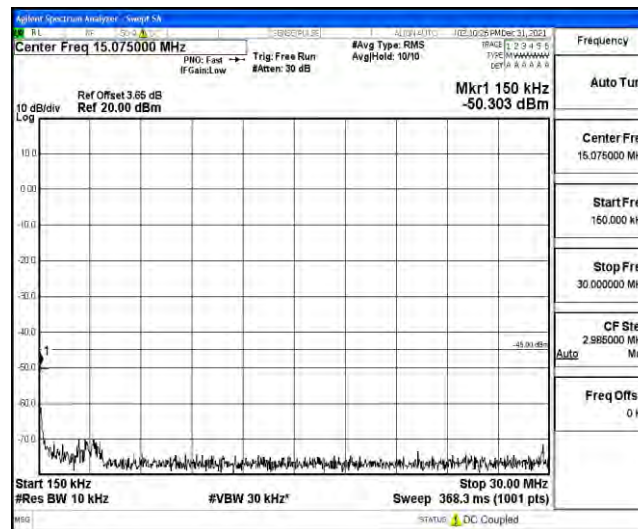
Band41-5MHz-QPSK-39675-Range6:20000~26500MHz



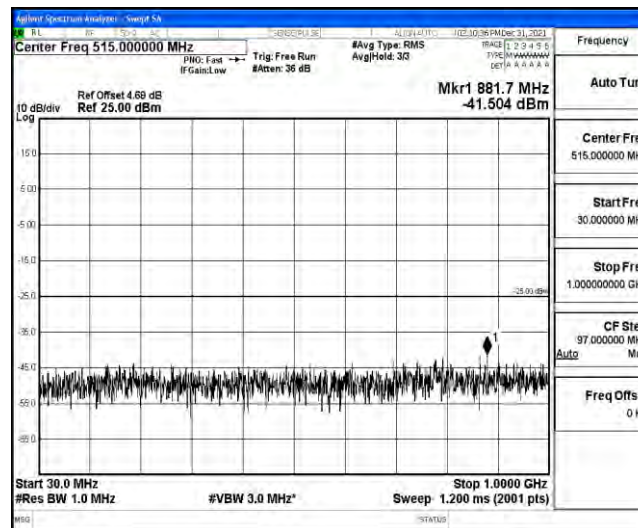
Band41-5MHz-QPSK-40620-Range1:0.009~0.15MHz



Band41-5MHz-QPSK-40620-Range2:0.15~30MHz



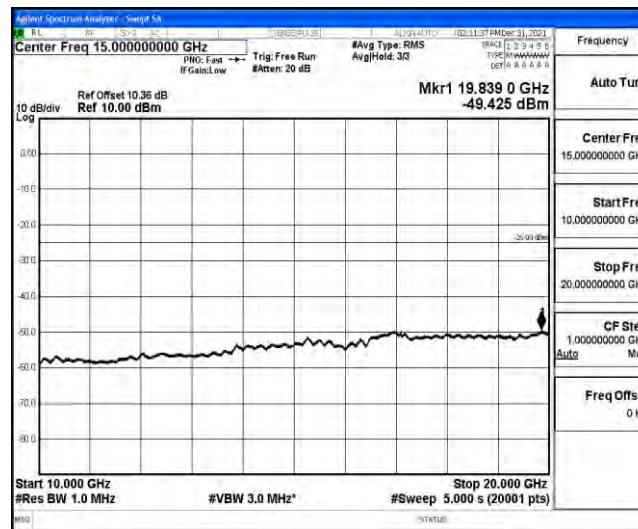
Band41-5MHz-QPSK-40620-Range3:30~1000MHz



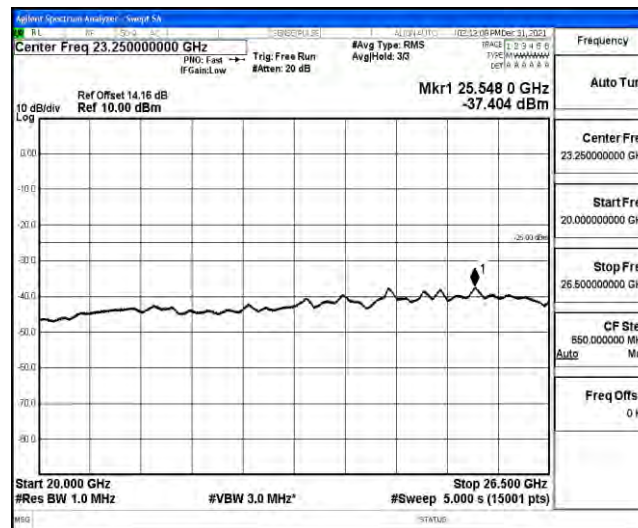
Band41-5MHz-QPSK-40620-Range4:1000~10000MHz



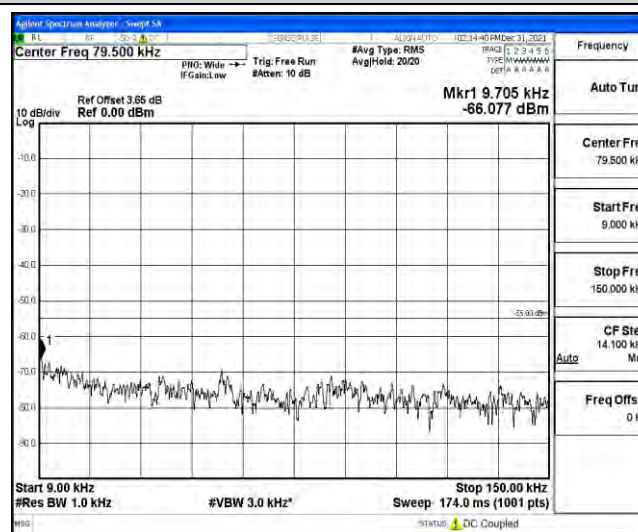
Band41-5MHz-QPSK-40620-Range5:10000~20000MHz



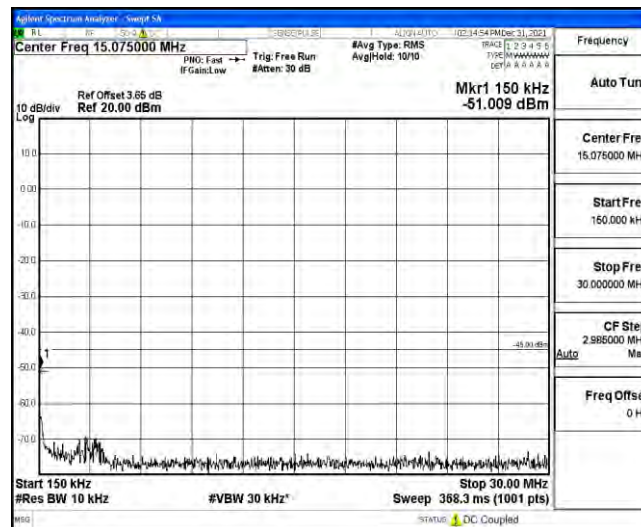
Band41-5MHz-QPSK-40620-Range6:20000~26500MHz



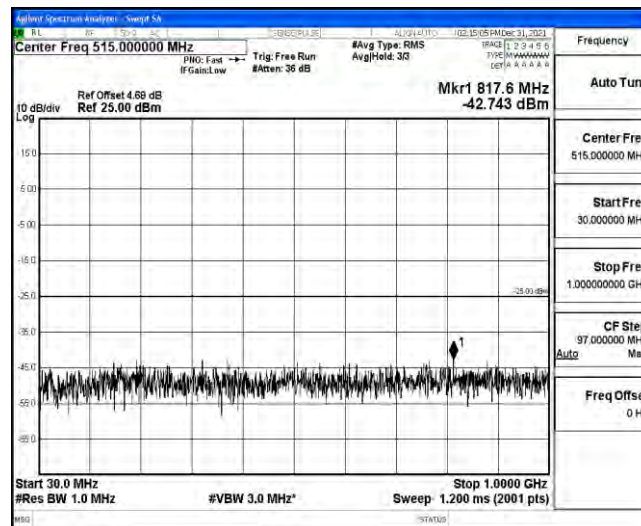
Band41-5MHz-QPSK-41565-Range1:0.009~0.15MHz



Band41-5MHz-QPSK-41565-Range2:0.15~30MHz



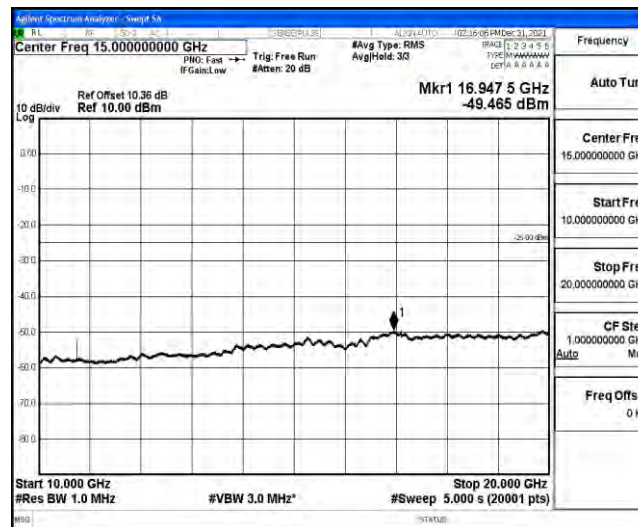
Band41-5MHz-QPSK-41565-Range3:30~1000MHz



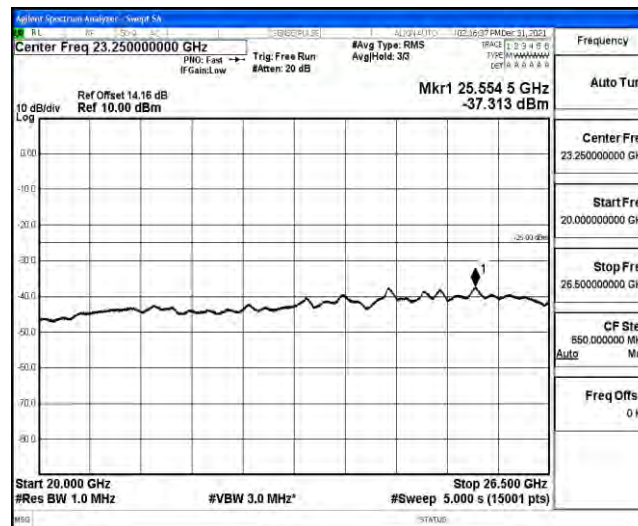
Band41-5MHz-QPSK-41565-Range4:1000~10000MHz



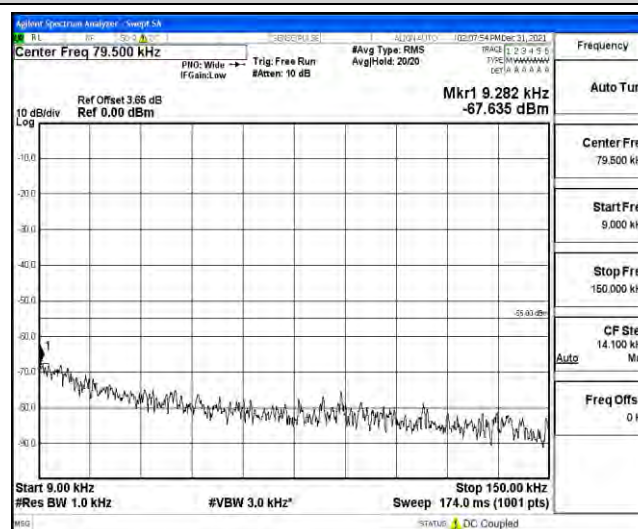
Band41-5MHz-QPSK-41565-Range5:10000~20000MHz



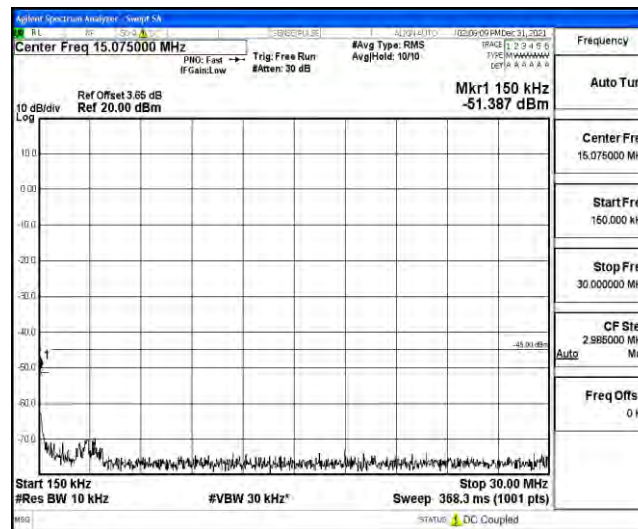
Band41-5MHz-QPSK-41565-Range6:20000~26500MHz



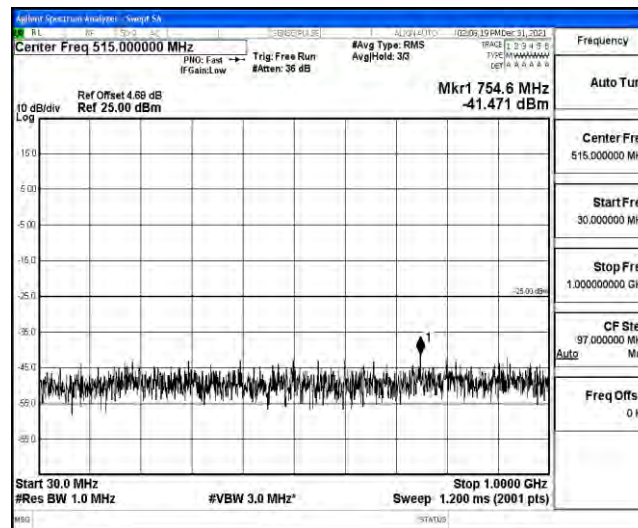
Band41-5MHz-16QAM-39675-Range1:0.009~0.15MHz



Band41-5MHz-16QAM-39675-Range2:0.15~30MHz



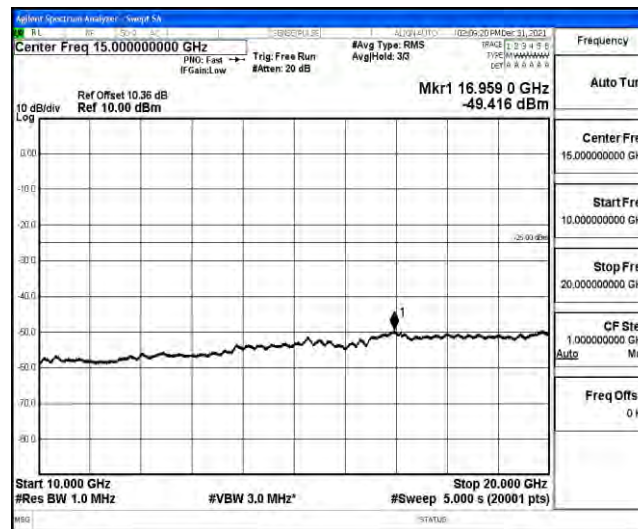
Band41-5MHz-16QAM-39675-Range3:30~1000MHz



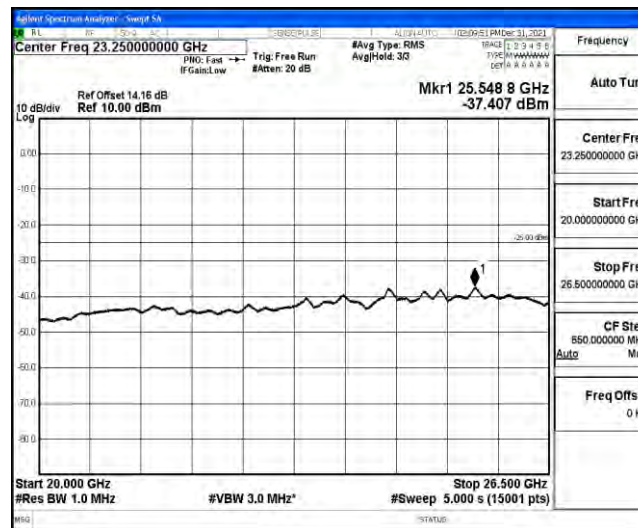
Band41-5MHz-16QAM-39675-Range4:1000~10000MHz



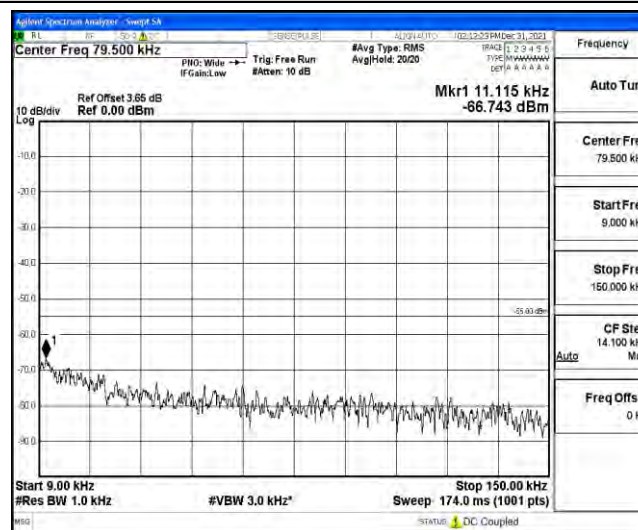
Band41-5MHz-16QAM-39675-Range5:10000~20000MHz



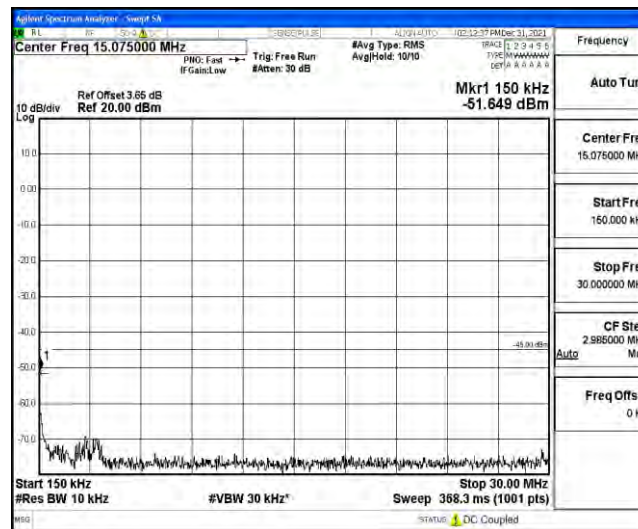
Band41-5MHz-16QAM-39675-Range6:20000~26500MHz



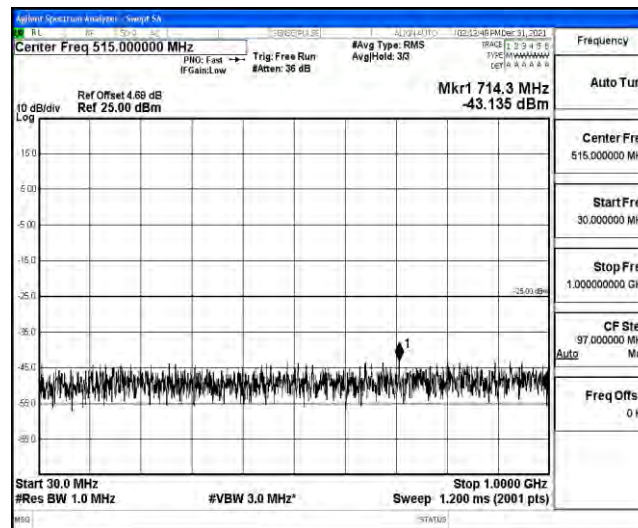
Band41-5MHz-16QAM-40620-Range1:0.009~0.15MHz



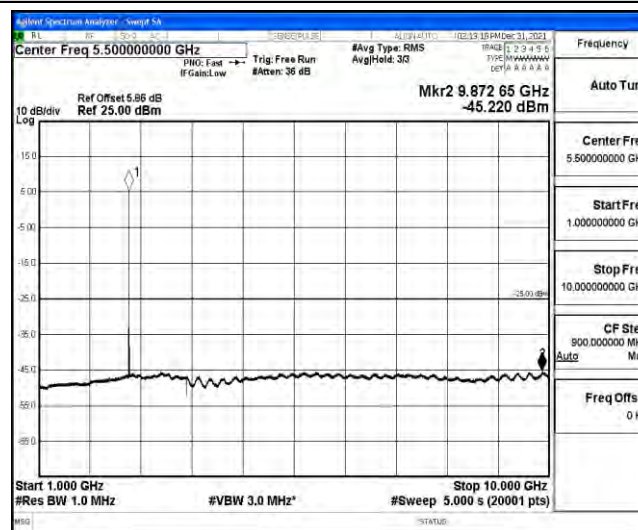
Band41-5MHz-16QAM-40620-Range2:0.15~30MHz



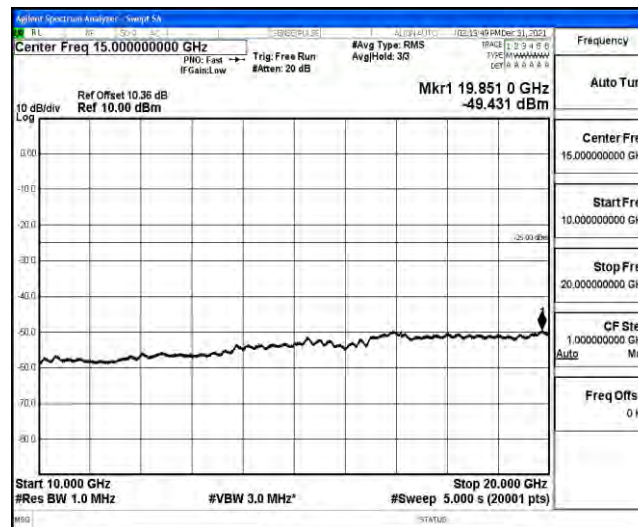
Band41-5MHz-16QAM-40620-Range3:30~1000MHz



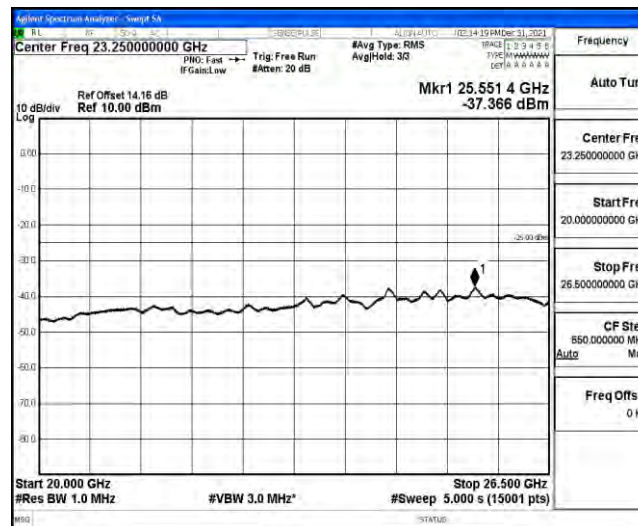
Band41-5MHz-16QAM-40620-Range4:1000~10000MHz



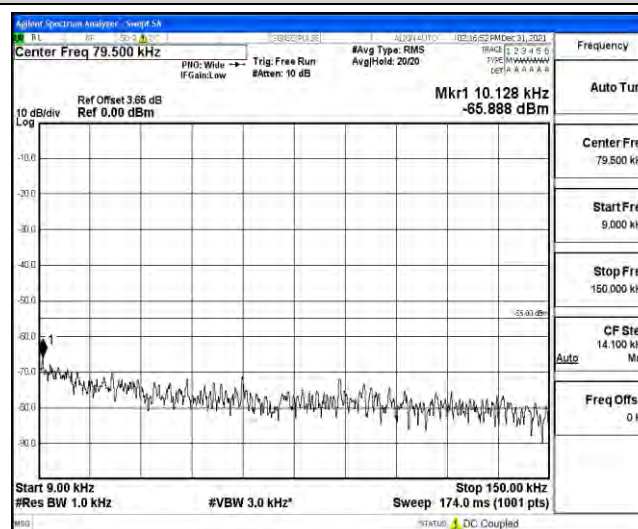
Band41-5MHz-16QAM-40620-Range5:10000~20000MHz



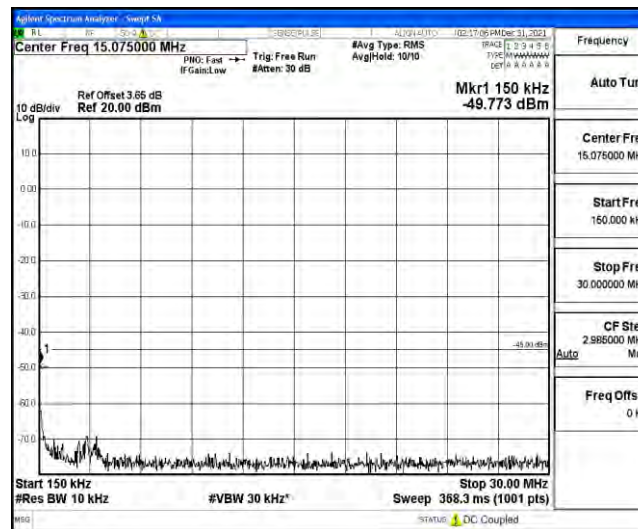
Band41-5MHz-16QAM-40620-Range6:20000~26500MHz



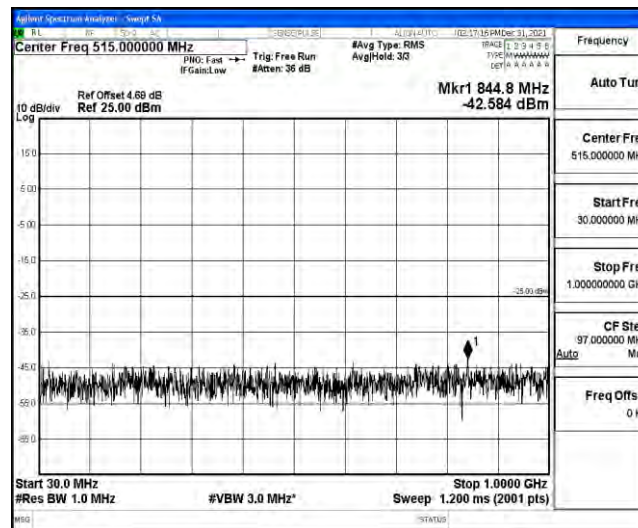
Band41-5MHz-16QAM-41565-Range1:0.009~0.15MHz



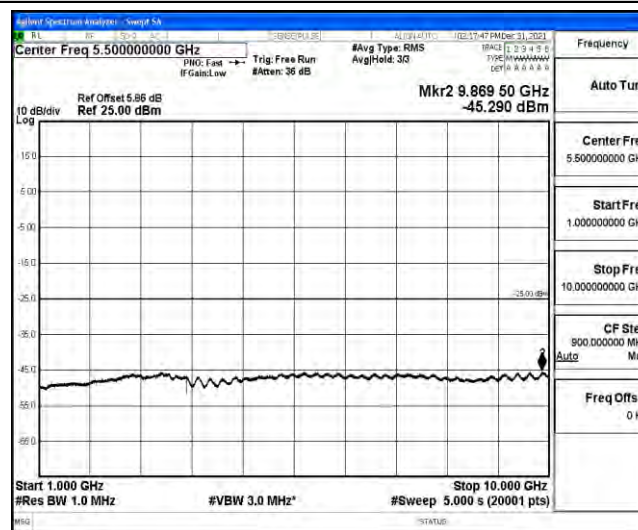
Band41-5MHz-16QAM-41565-Range2:0.15~30MHz



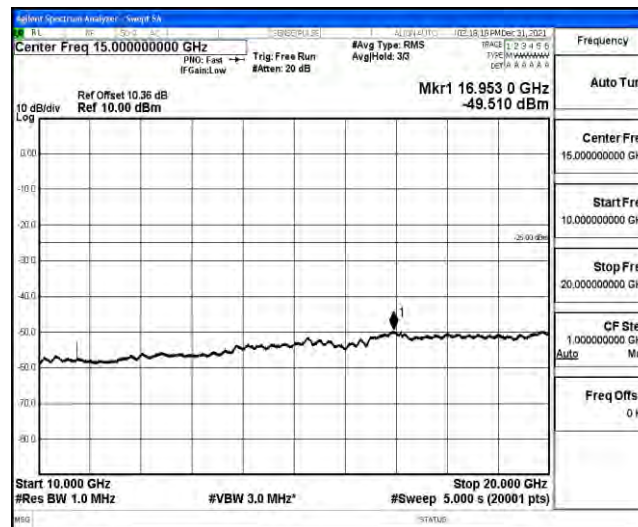
Band41-5MHz-16QAM-41565-Range3:30~1000MHz



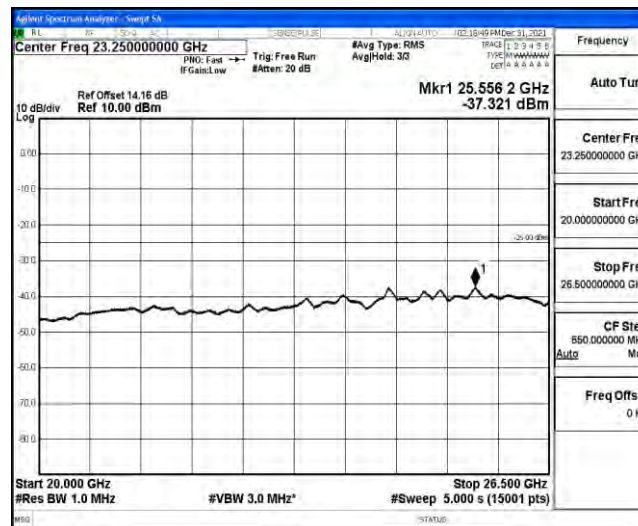
Band41-5MHz-16QAM-41565-Range4:1000~10000MHz



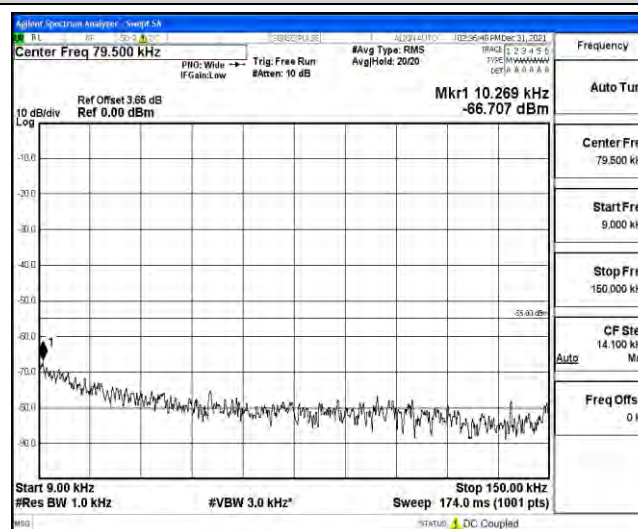
Band41-5MHz-16QAM-41565-Range5:10000~20000MHz



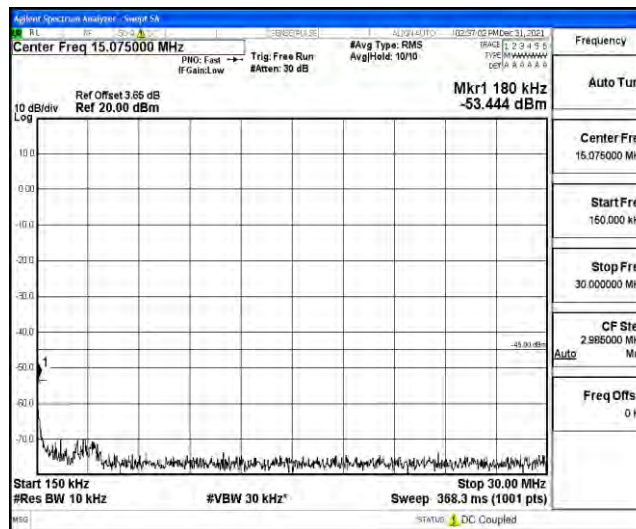
Band41-5MHz-16QAM-41565-Range6:20000~26500MHz



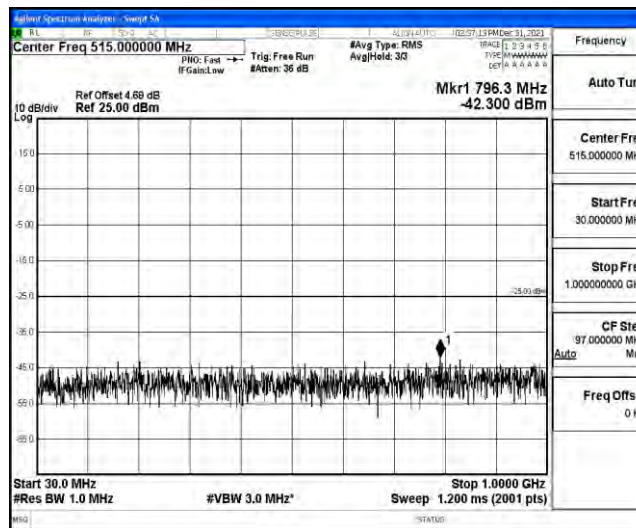
Band41-10MHz-QPSK-39700-Range1:0.009~0.15MHz



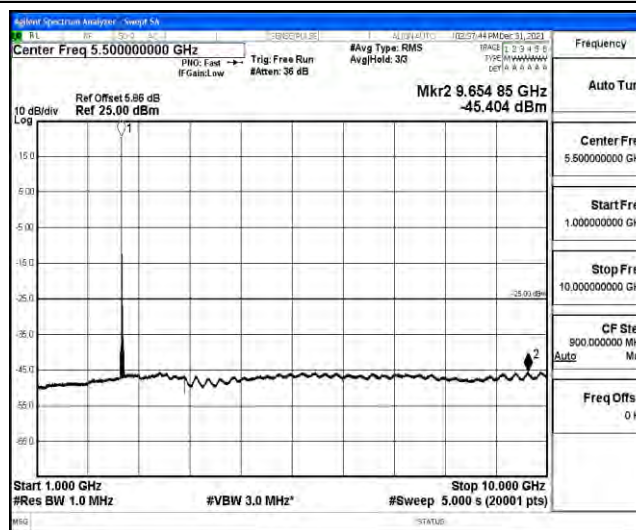
Band41-10MHz-QPSK-39700-Range2:0.15~30MHz



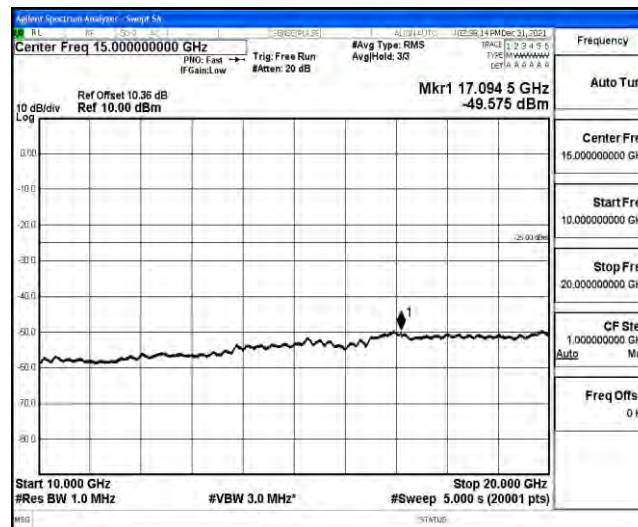
Band41-10MHz-QPSK-39700-Range3:30~1000MHz



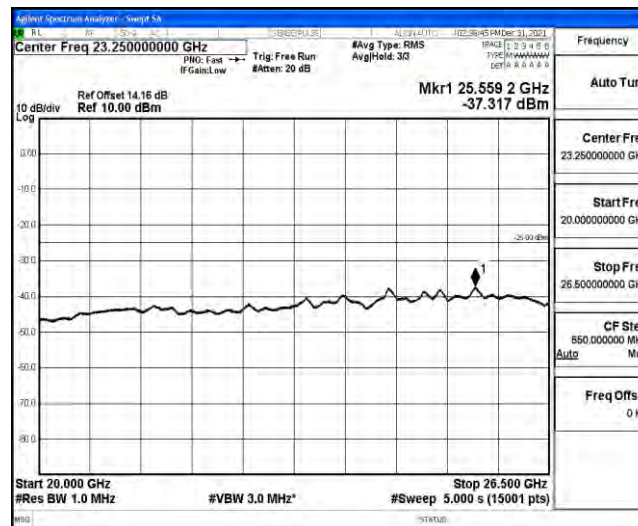
Band41-10MHz-QPSK-39700-Range4:1000~10000MHz



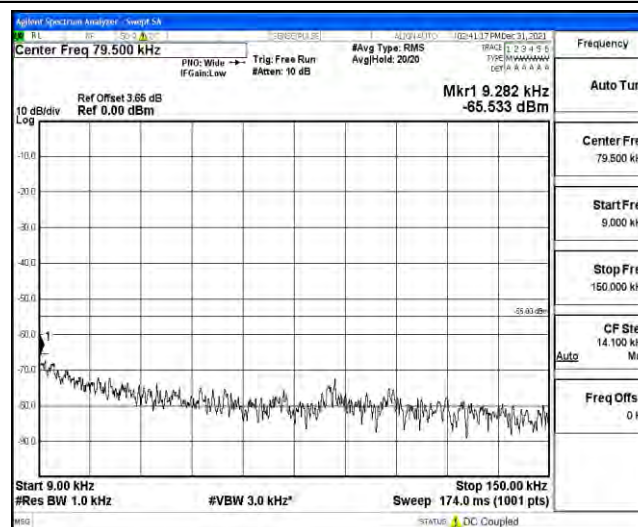
Band41-10MHz-QPSK-39700-Range5:10000~20000MHz



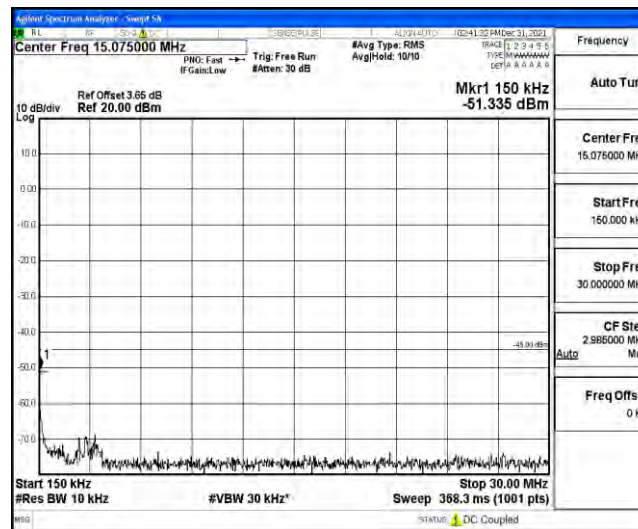
Band41-10MHz-QPSK-39700-Range6:20000~26500MHz



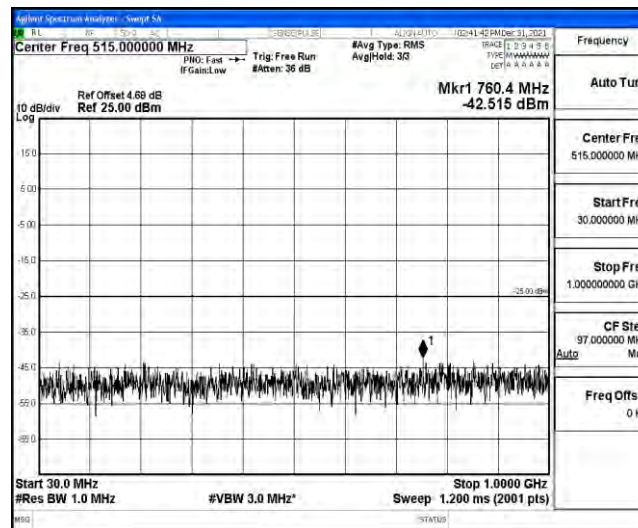
Band41-10MHz-QPSK-40620-Range1:0.009~0.15MHz



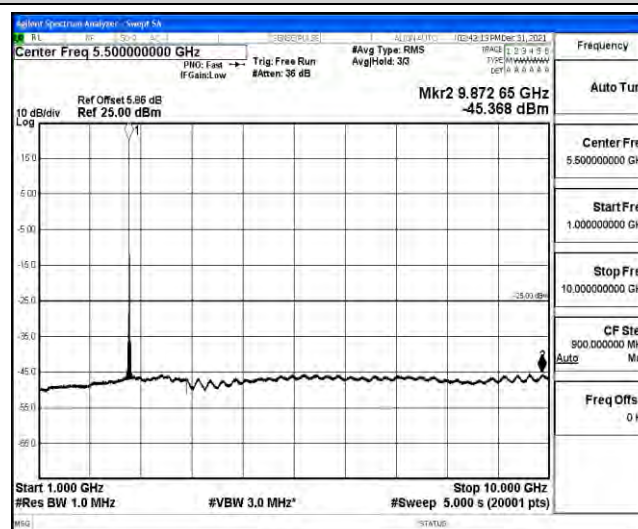
Band41-10MHz-QPSK-40620-Range2:0.15~30MHz



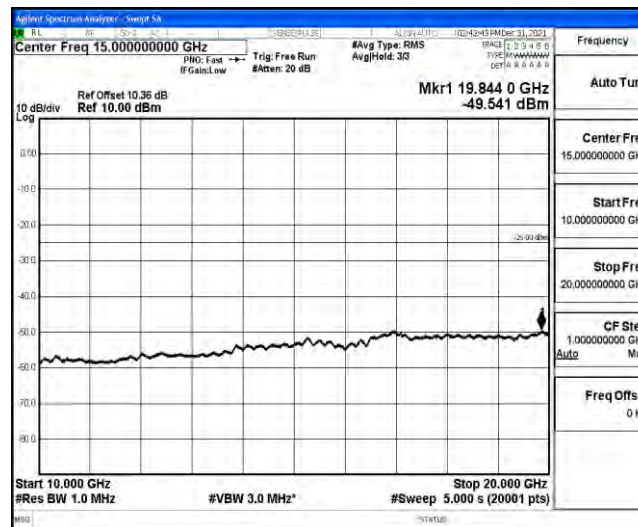
Band41-10MHz-QPSK-40620-Range3:30~1000MHz



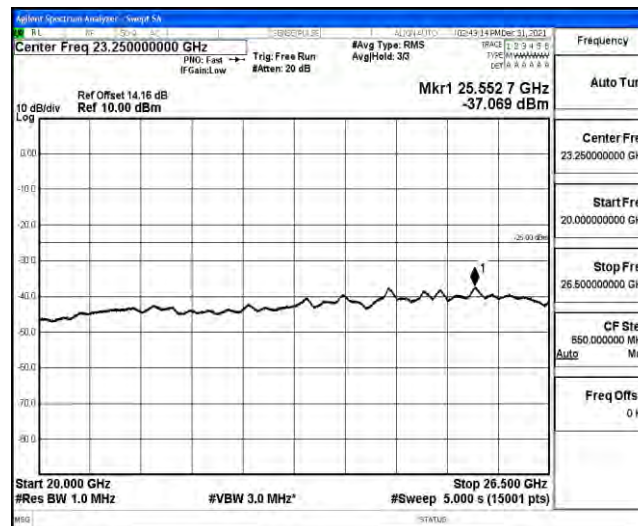
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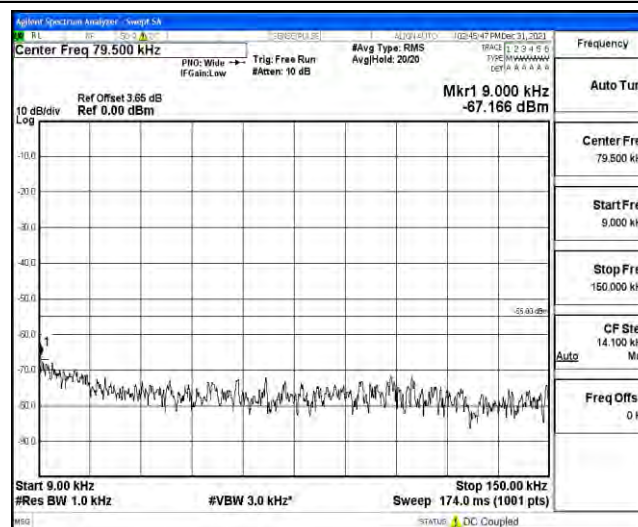
Band41-10MHz-QPSK-40620-Range5:10000~20000MHz



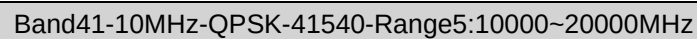
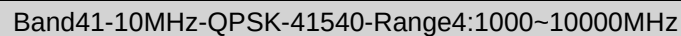
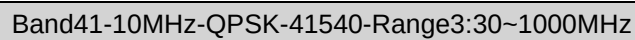
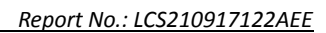
Band41-10MHz-QPSK-40620-Range6:20000~26500MHz

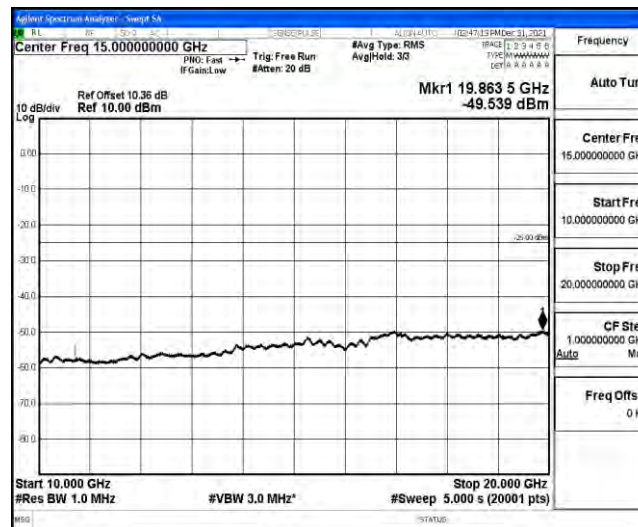


Band41-10MHz-QPSK-41540-Range1:0.009~0.15MHz

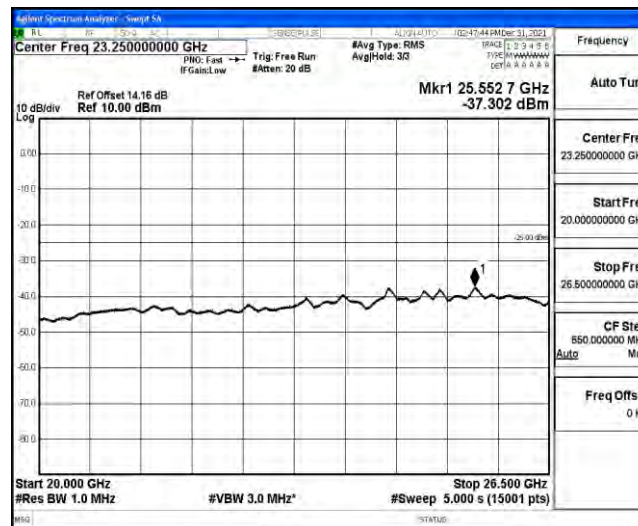


Band41-10MHz-QPSK-41540-Range2:0.15~30MHz

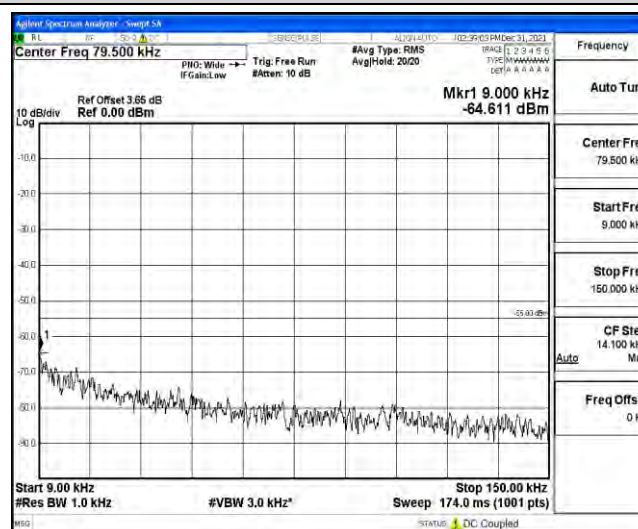




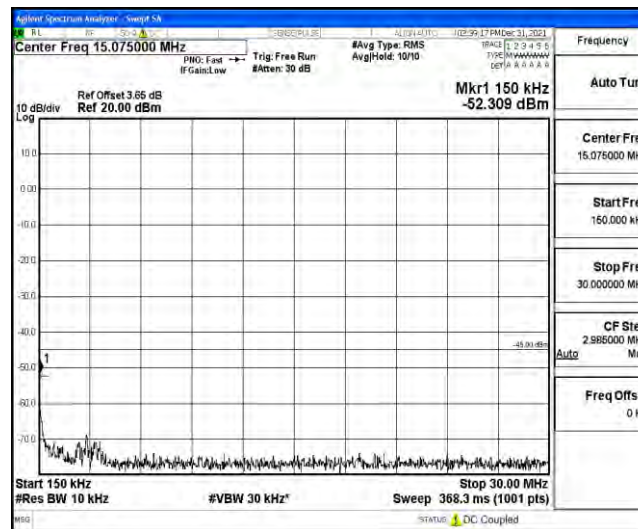
Band41-10MHz-QPSK-41540-Range6:20000~26500MHz



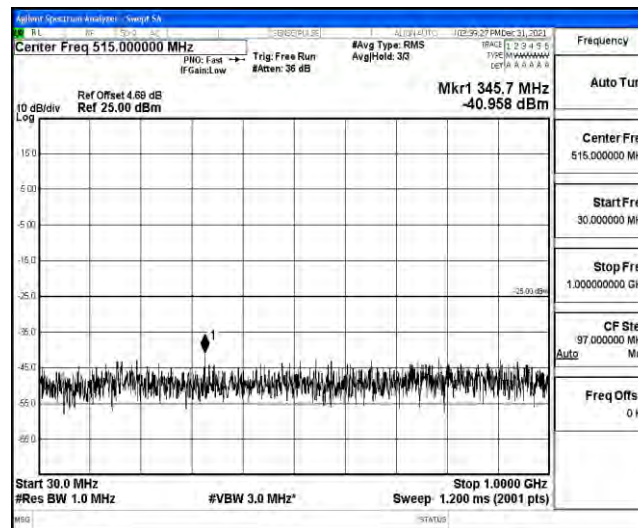
Band41-10MHz-16QAM-39700-Range1:0.009~0.15MHz



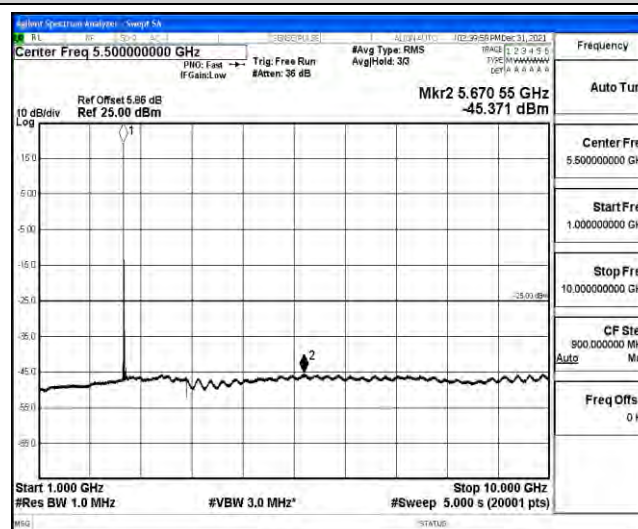
Band41-10MHz-16QAM-39700-Range2:0.15~30MHz



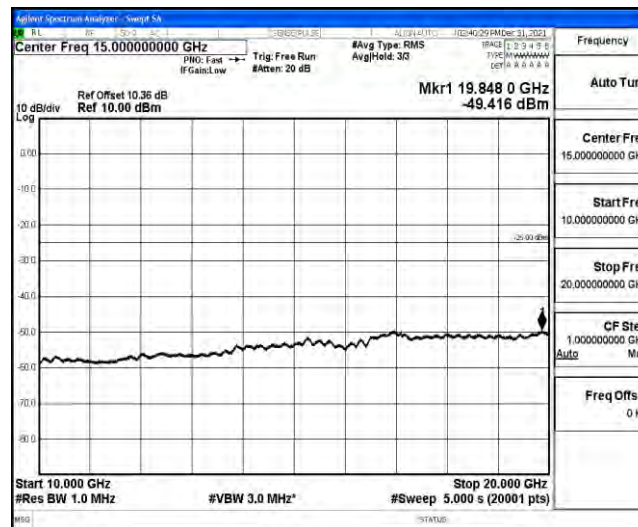
Band41-10MHz-16QAM-39700-Range3:30~1000MHz



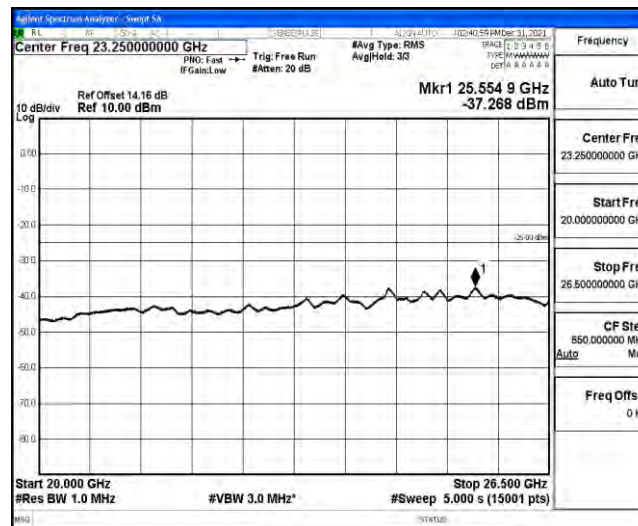
Band41-10MHz-16QAM-39700-Range4:1000~10000MHz



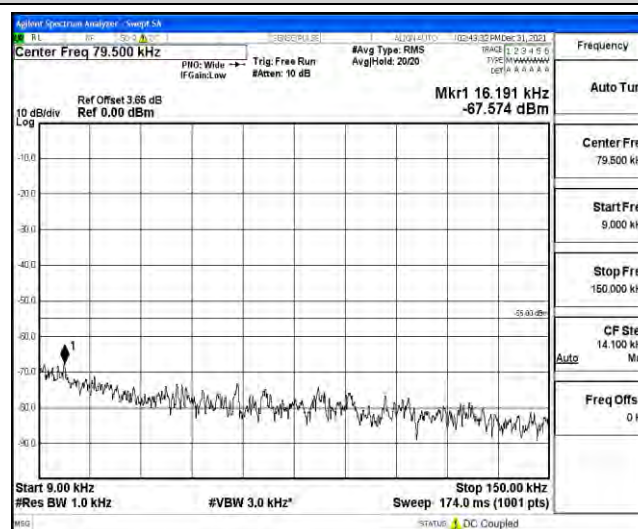
Band41-10MHz-16QAM-39700-Range5:10000~20000MHz



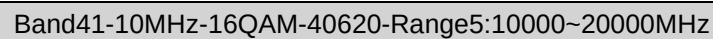
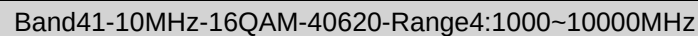
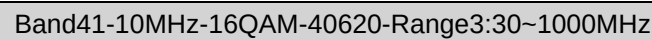
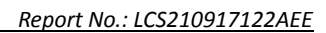
Band41-10MHz-16QAM-39700-Range6:20000~26500MHz

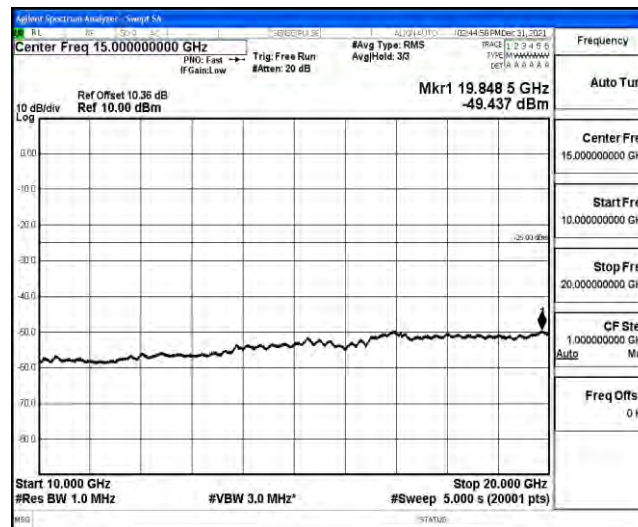


Band41-10MHz-16QAM-40620-Range1:0.009~0.15MHz

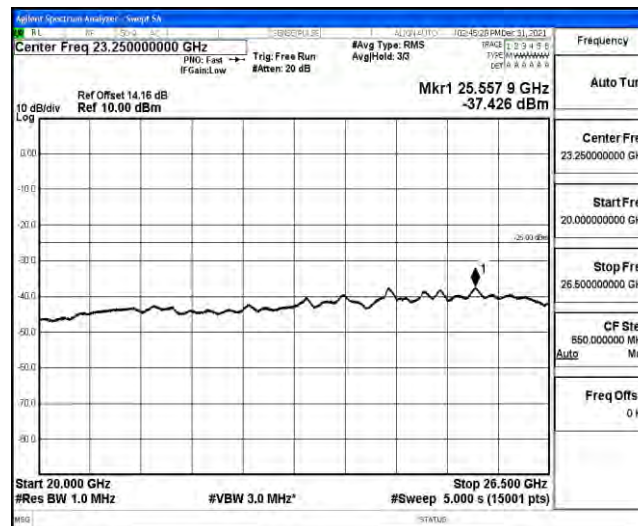


Band41-10MHz-16QAM-40620-Range2:0.15~30MHz

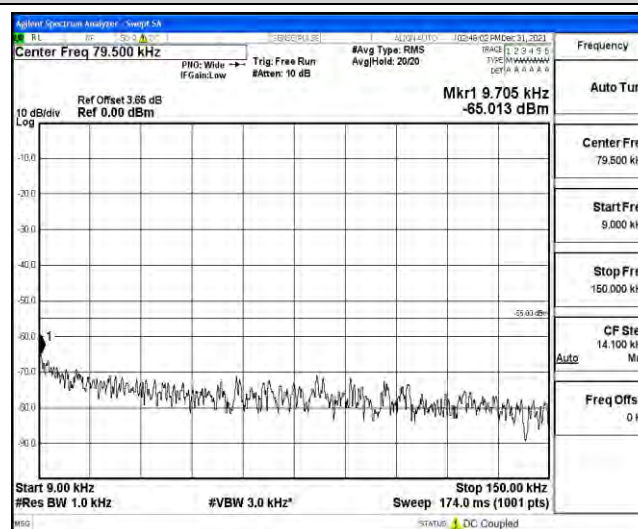




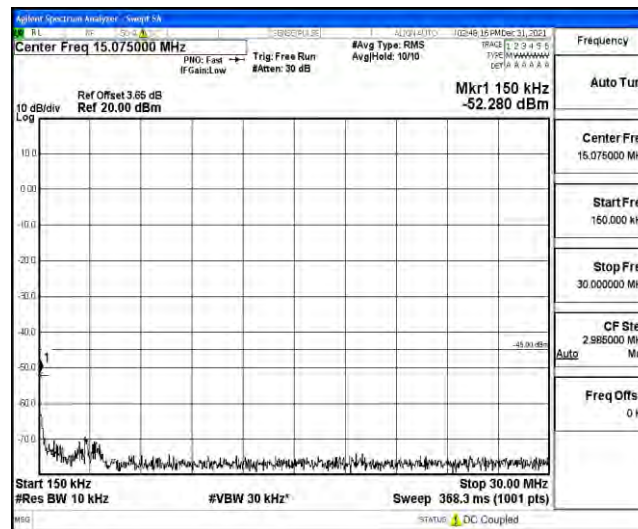
Band41-10MHz-16QAM-40620-Range6:20000~26500MHz



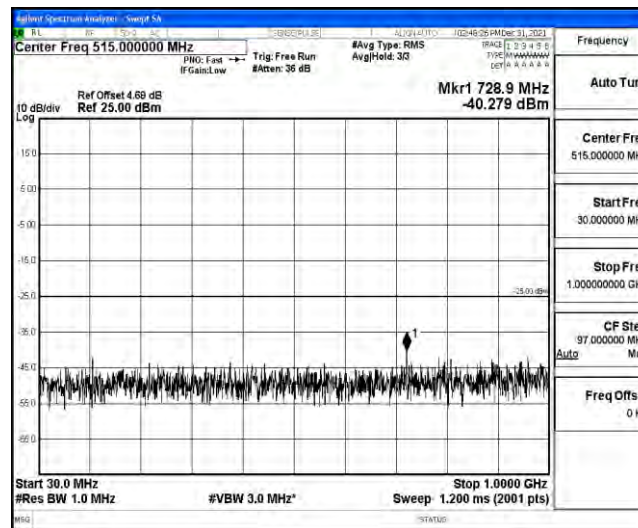
Band41-10MHz-16QAM-41540-Range1:0.009~0.15MHz



Band41-10MHz-16QAM-41540-Range2:0.15~30MHz



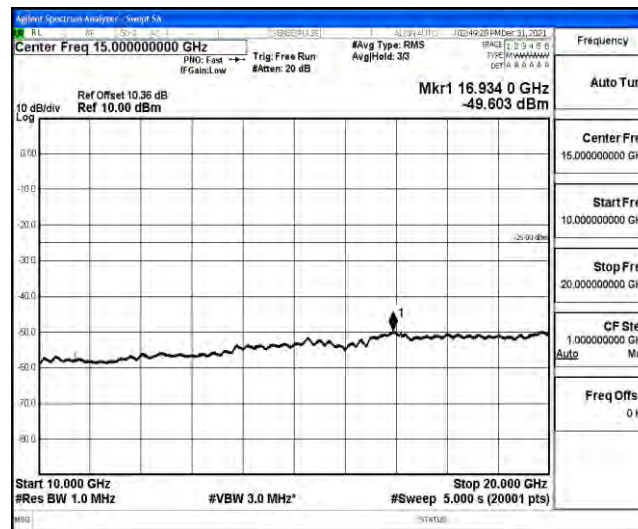
Band41-10MHz-16QAM-41540-Range3:30~1000MHz



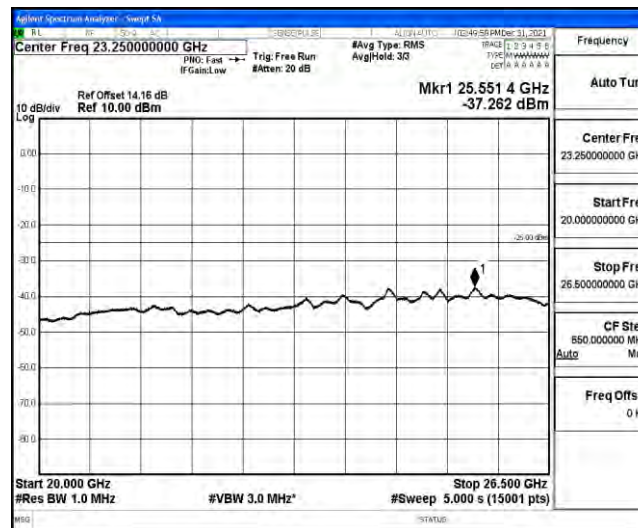
Band41-10MHz-16QAM-41540-Range4:1000~10000MHz



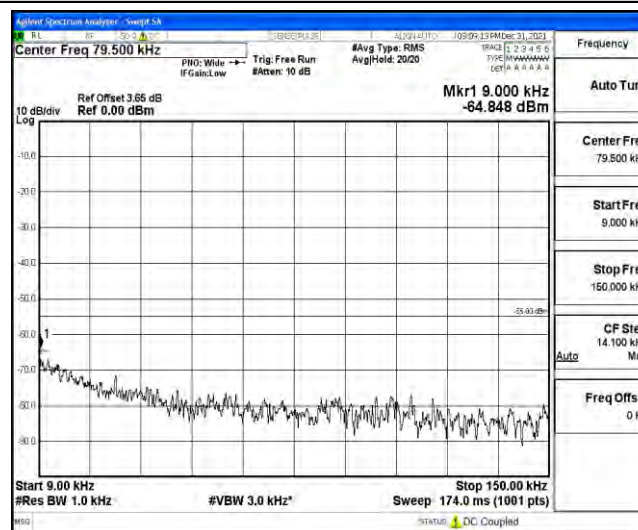
Band41-10MHz-16QAM-41540-Range5:10000~20000MHz



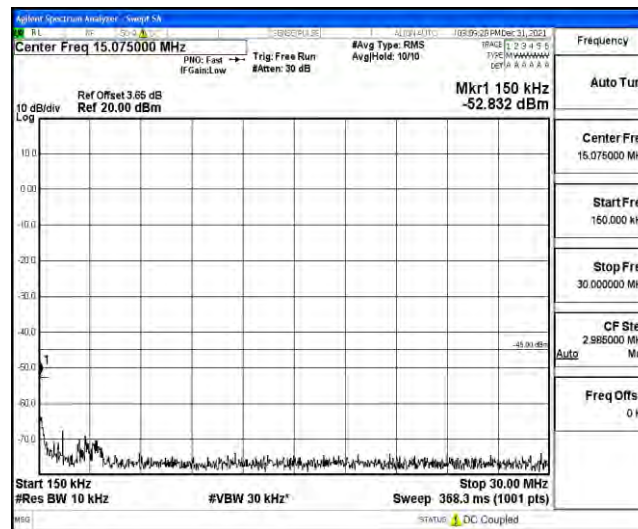
Band41-10MHz-16QAM-41540-Range6:20000~26500MHz



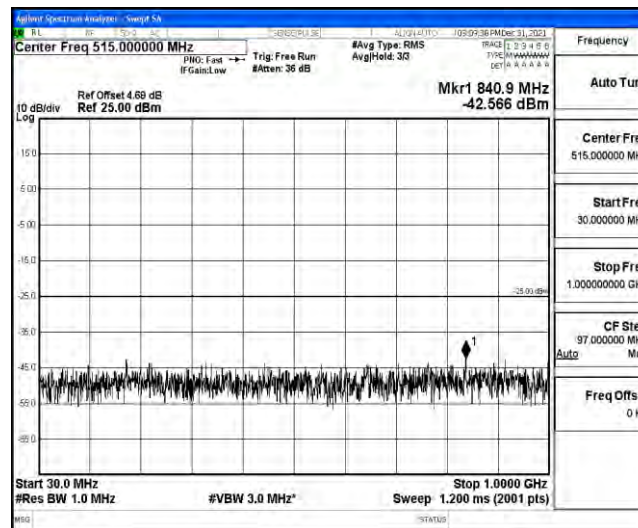
Band41-15MHz-QPSK-39725-Range1:0.009~0.15MHz



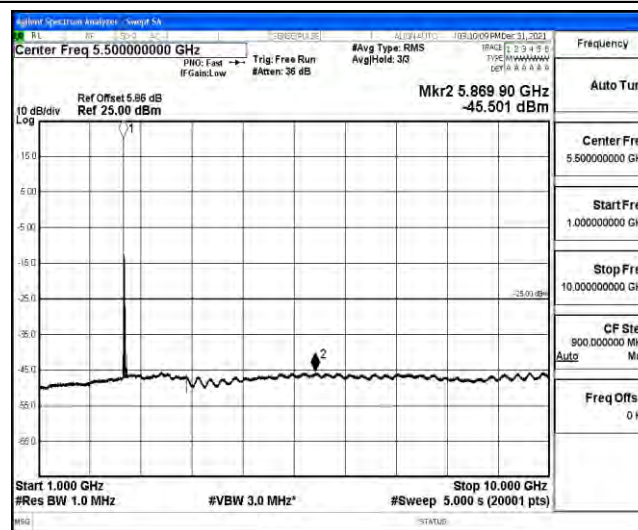
Band41-15MHz-QPSK-39725-Range2:0.15~30MHz



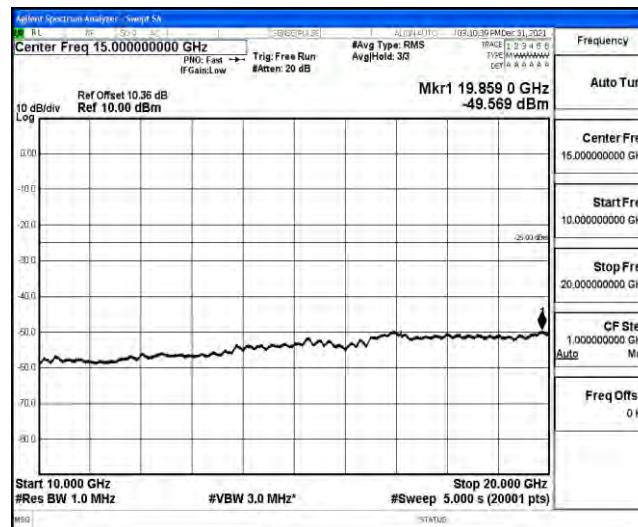
Band41-15MHz-QPSK-39725-Range3:30~1000MHz



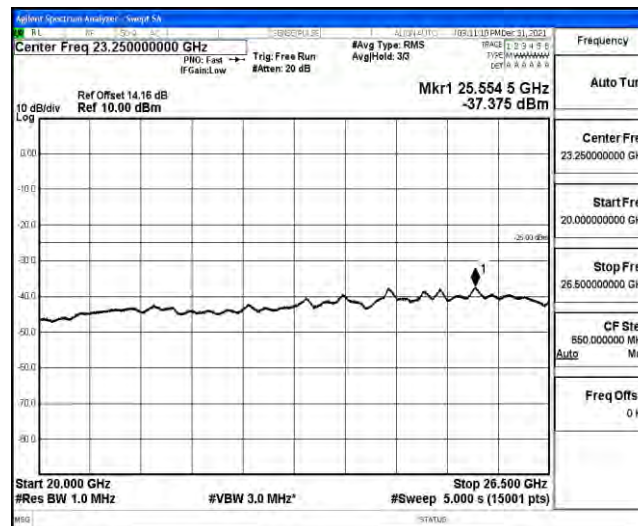
Band41-15MHz-QPSK-39725-Range4:1000~10000MHz



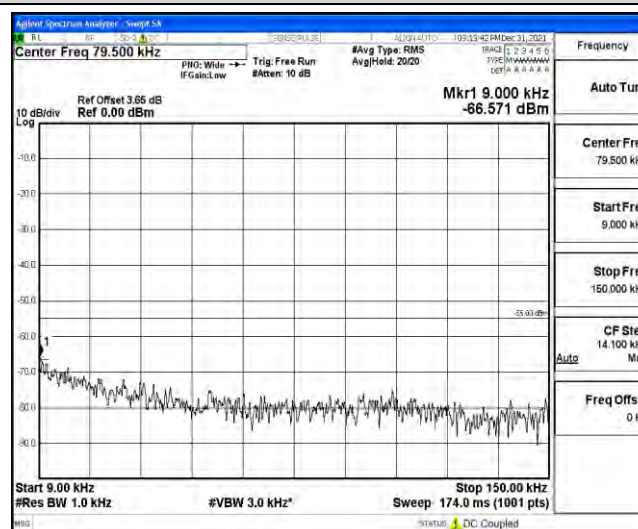
Band41-15MHz-QPSK-39725-Range5:10000~20000MHz



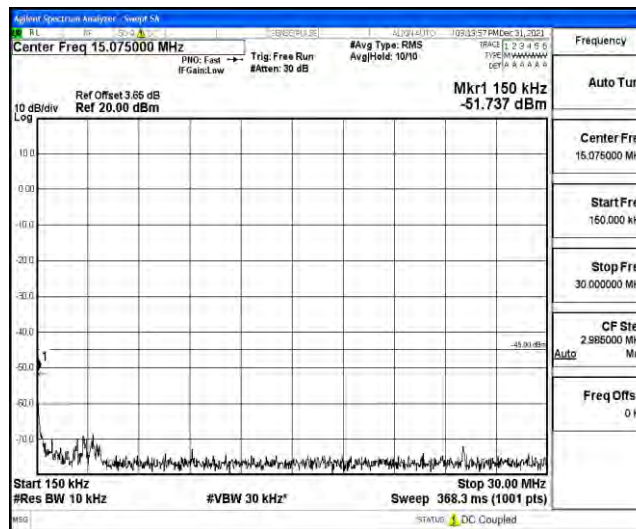
Band41-15MHz-QPSK-39725-Range6:20000~26500MHz



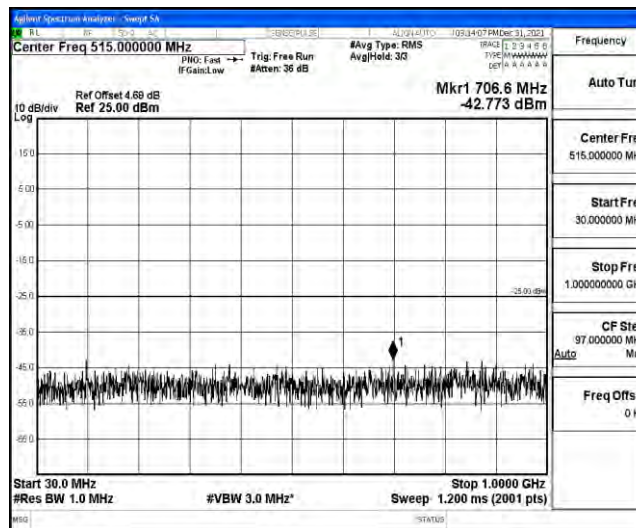
Band41-15MHz-QPSK-40620-Range1:0.009~0.15MHz



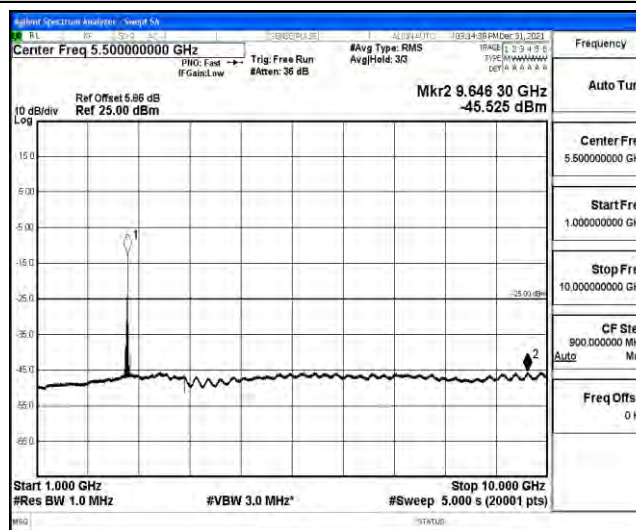
Band41-15MHz-QPSK-40620-Range2:0.15~30MHz



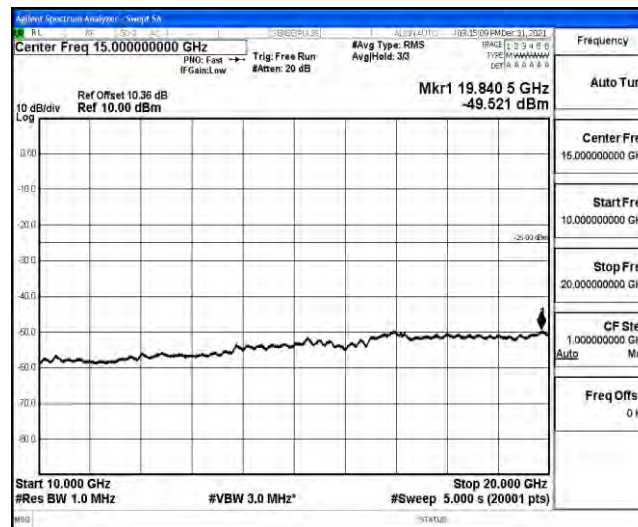
Band41-15MHz-QPSK-40620-Range3:30~1000MHz



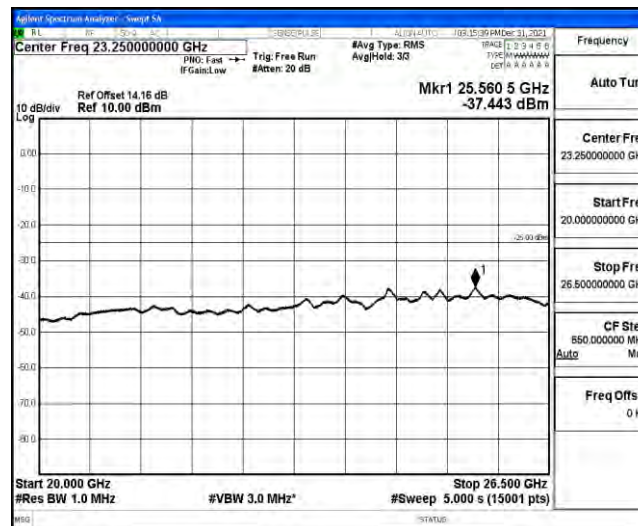
Band41-15MHz-QPSK-40620-Range4:1000~10000MHz



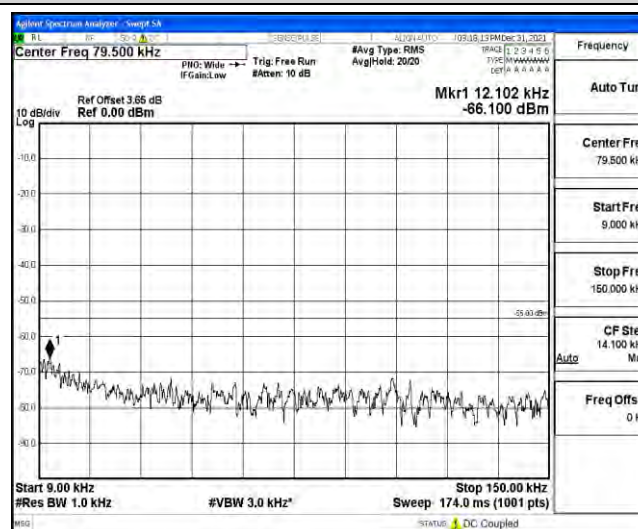
Band41-15MHz-QPSK-40620-Range5:10000~20000MHz



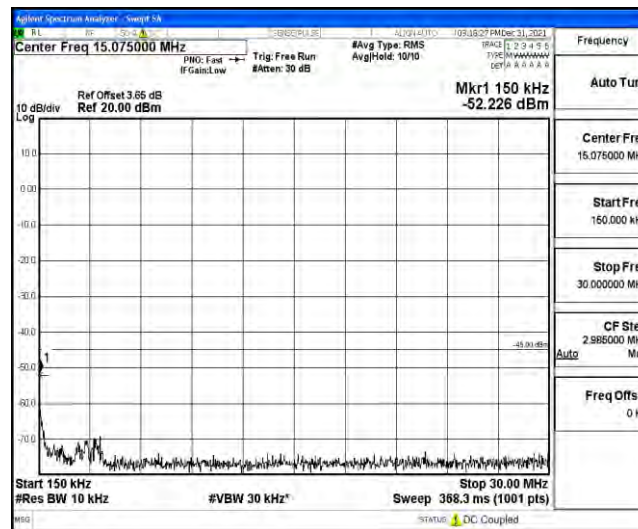
Band41-15MHz-QPSK-40620-Range6:20000~26500MHz



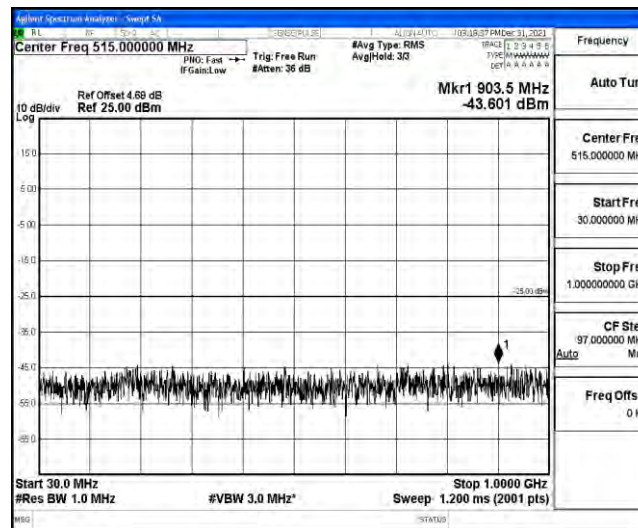
Band41-15MHz-QPSK-41515-Range1:0.009~0.15MHz



Band41-15MHz-QPSK-41515-Range2:0.15~30MHz



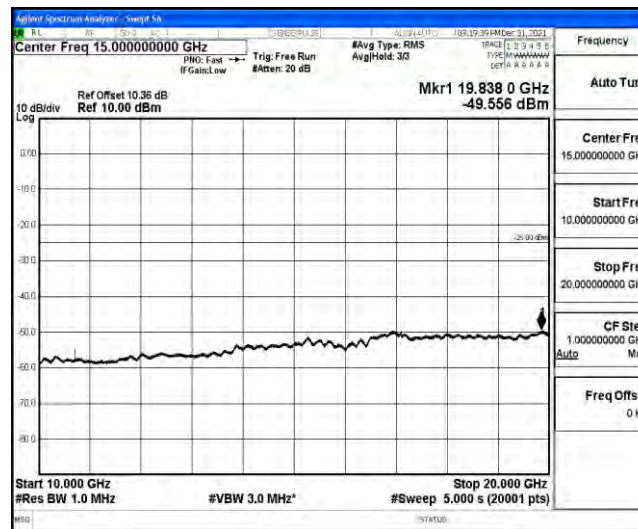
Band41-15MHz-QPSK-41515-Range3:30~1000MHz



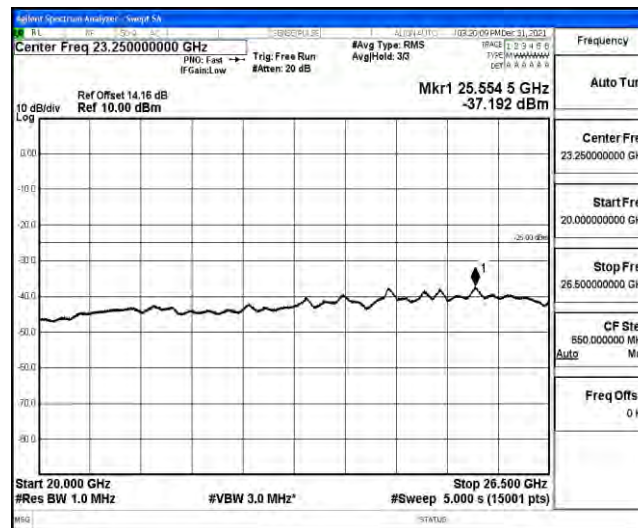
Band41-15MHz-QPSK-41515-Range4:1000~10000MHz



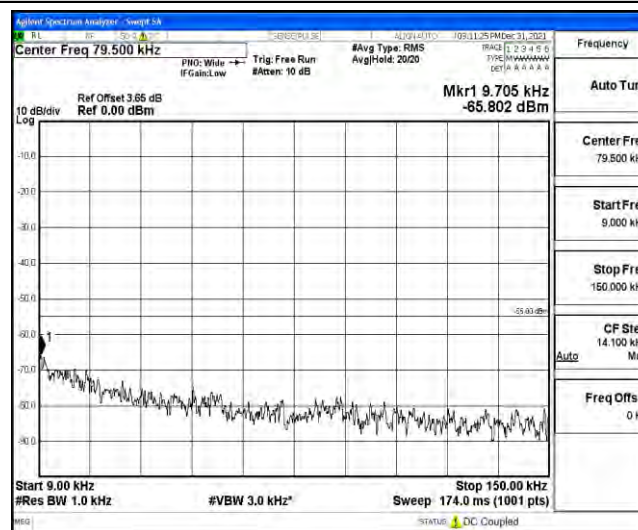
Band41-15MHz-QPSK-41515-Range5:10000~20000MHz



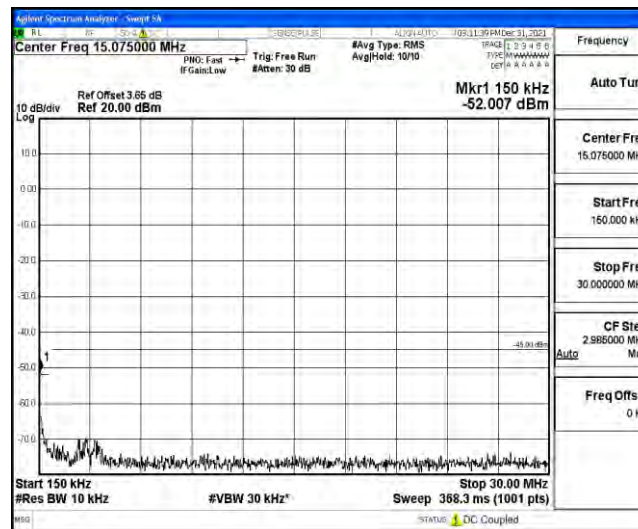
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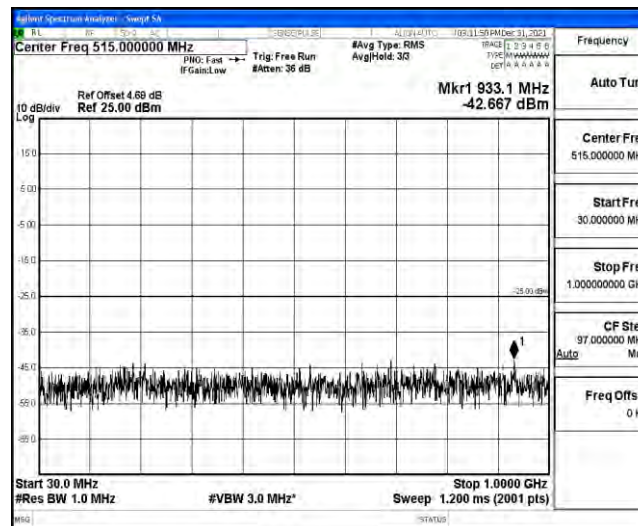
Band41-15MHz-16QAM-39725-Range1:0.009~0.15MHz



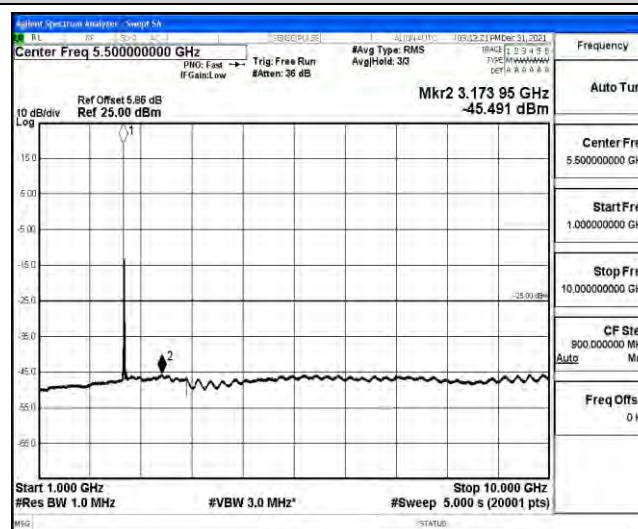
Band41-15MHz-16QAM-39725-Range2:0.15~30MHz



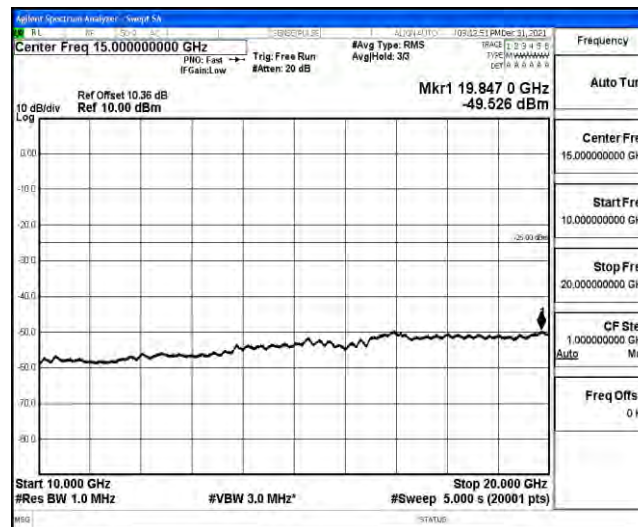
Band41-15MHz-16QAM-39725-Range3:30~1000MHz



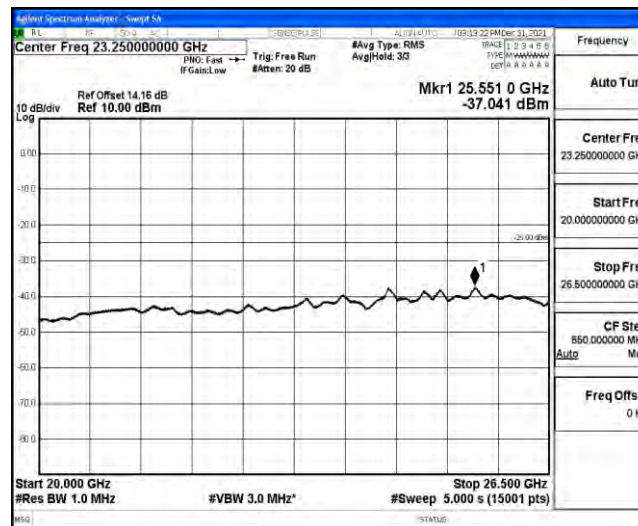
Band41-15MHz-16QAM-39725-Range4:1000~10000MHz



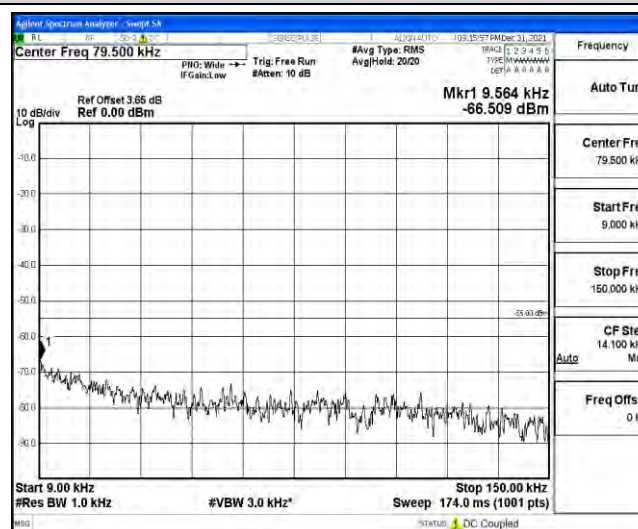
Band41-15MHz-16QAM-39725-Range5:10000~20000MHz



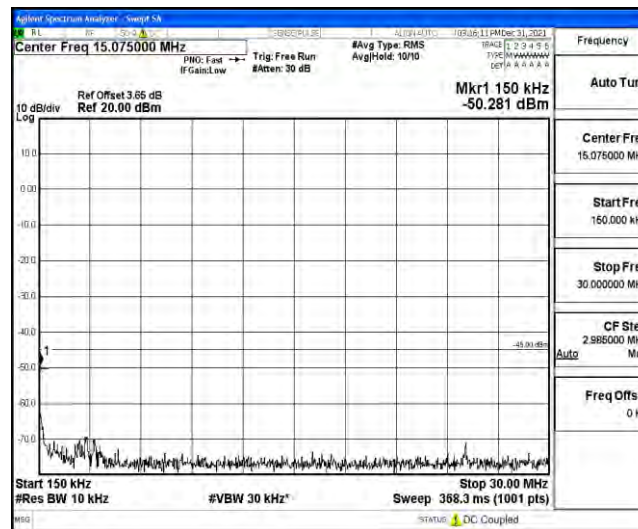
Band41-15MHz-16QAM-39725-Range6:20000~26500MHz



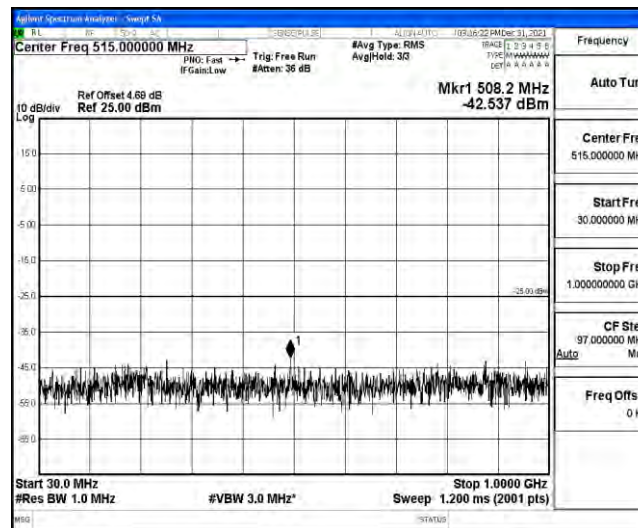
Band41-15MHz-16QAM-40620-Range1:0.009~0.15MHz



Band41-15MHz-16QAM-40620-Range2:0.15~30MHz



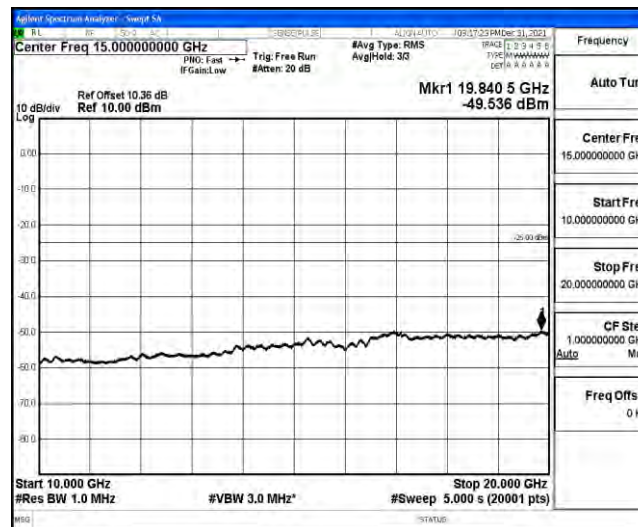
Band41-15MHz-16QAM-40620-Range3:30~1000MHz



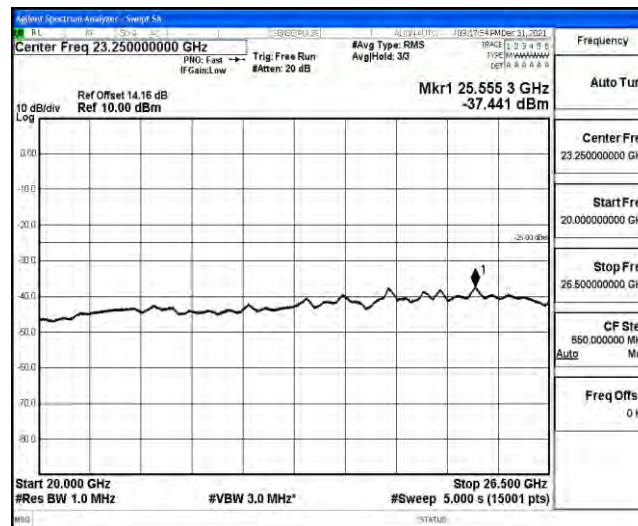
Band41-15MHz-16QAM-40620-Range4:1000~10000MHz



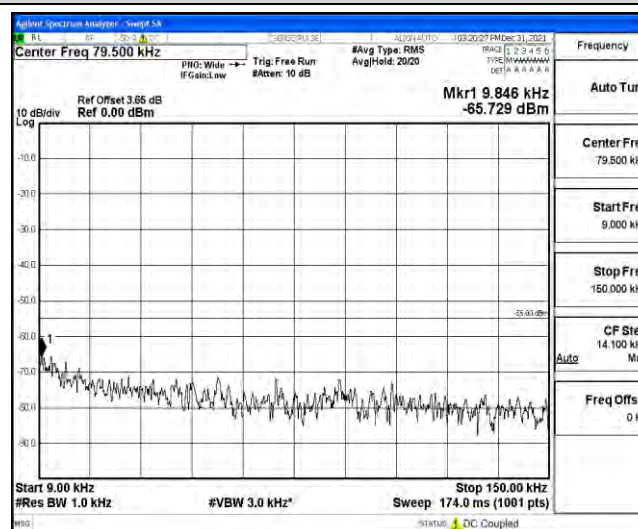
Band41-15MHz-16QAM-40620-Range5:10000~20000MHz



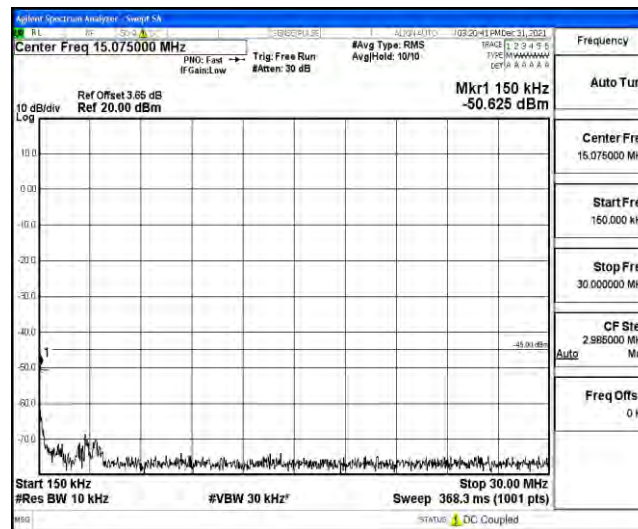
Band41-15MHz-16QAM-40620-Range6:20000~26500MHz



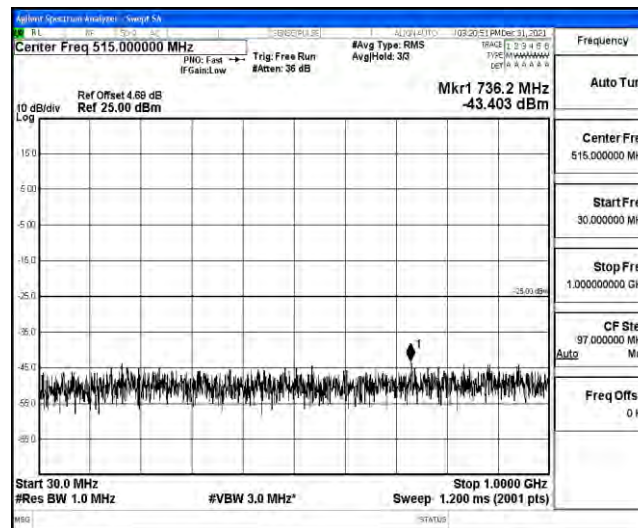
Band41-15MHz-16QAM-41515-Range1:0.009~0.15MHz



Band41-15MHz-16QAM-41515-Range2:0.15~30MHz



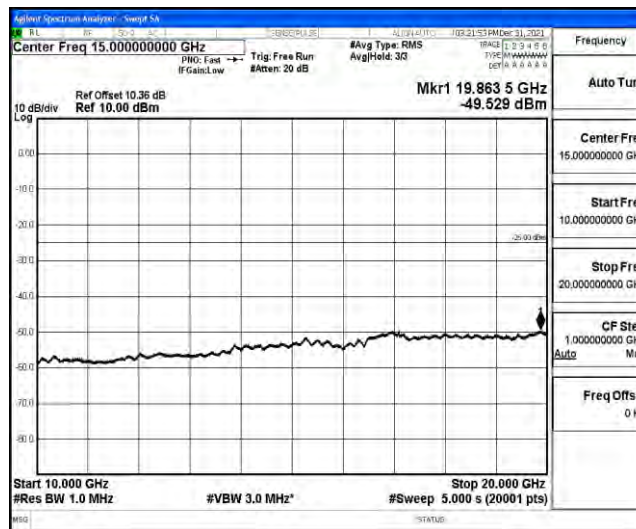
Band41-15MHz-16QAM-41515-Range3:30~1000MHz



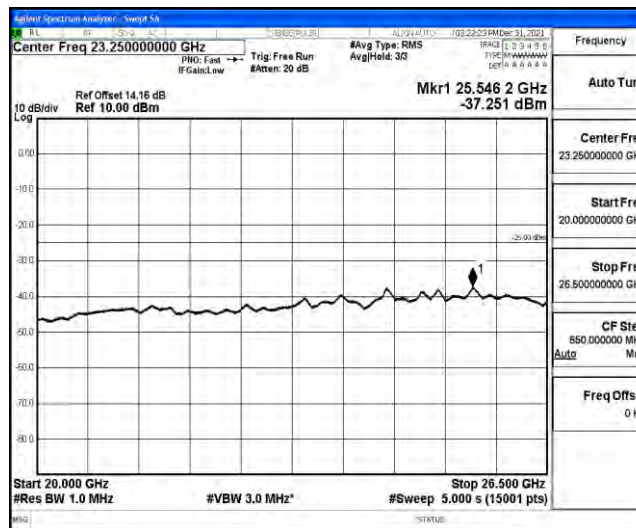
Band41-15MHz-16QAM-41515-Range4:1000~10000MHz



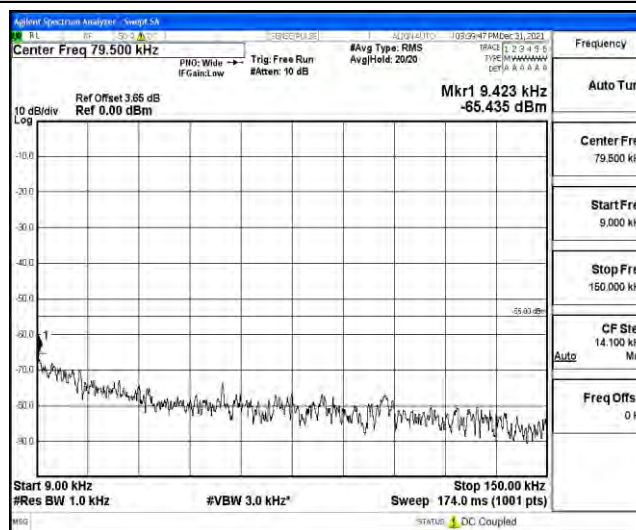
Band41-15MHz-16QAM-41515-Range5:10000~20000MHz



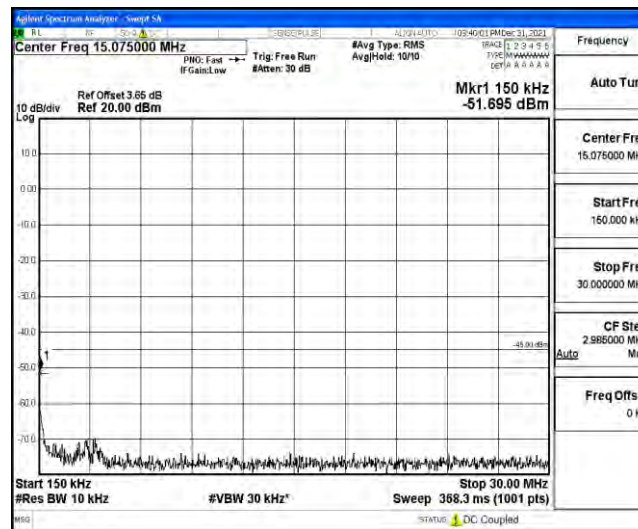
Band41-15MHz-16QAM-41515-Range6:20000~26500MHz



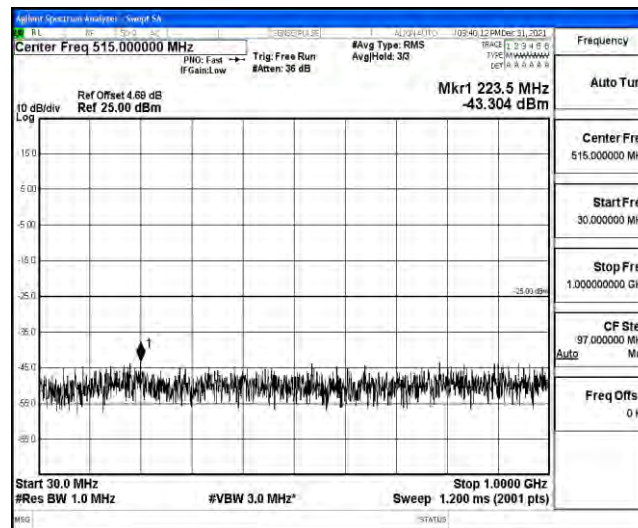
Band41-20MHz-QPSK-39750-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-39750-Range2:0.15~30MHz



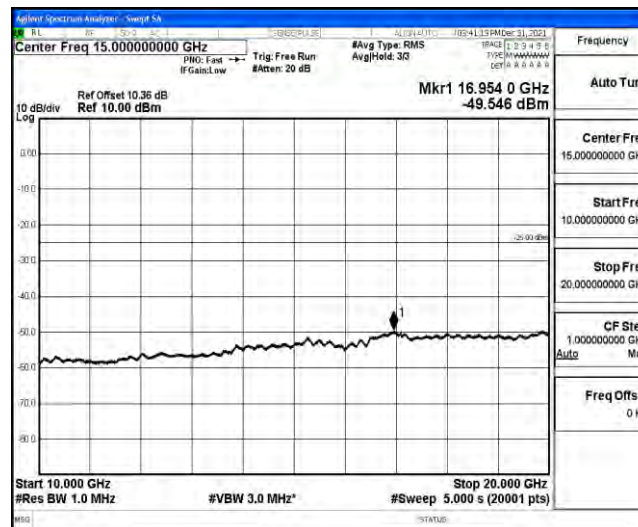
Band41-20MHz-QPSK-39750-Range3:30~1000MHz



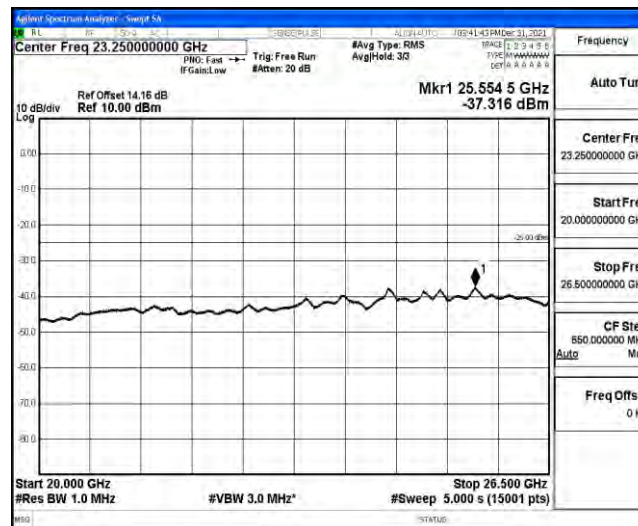
Band41-20MHz-QPSK-39750-Range4:1000~10000MHz



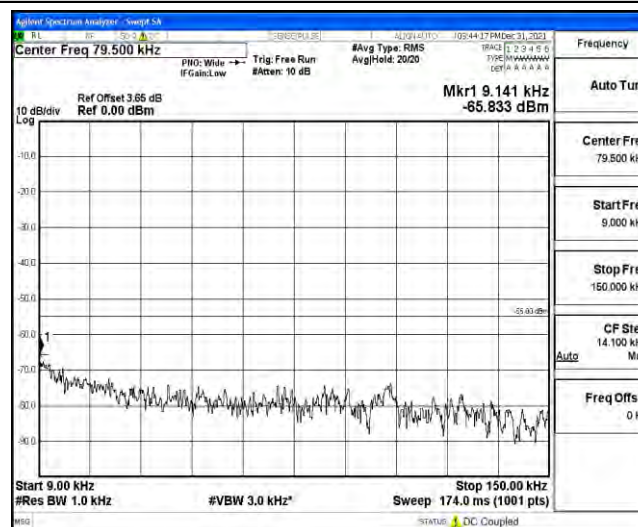
Band41-20MHz-QPSK-39750-Range5:10000~20000MHz



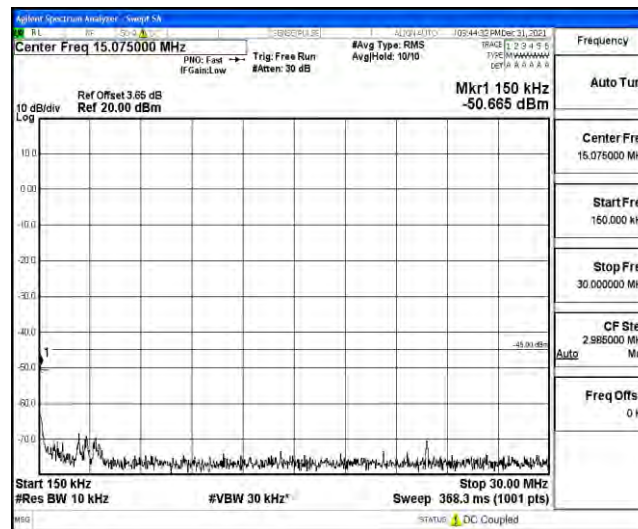
Band41-20MHz-QPSK-39750-Range6:20000~26500MHz



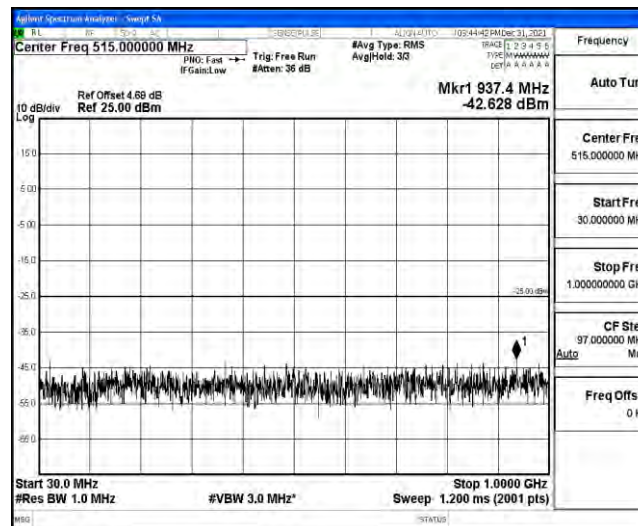
Band41-20MHz-QPSK-40620-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-40620-Range2:0.15~30MHz



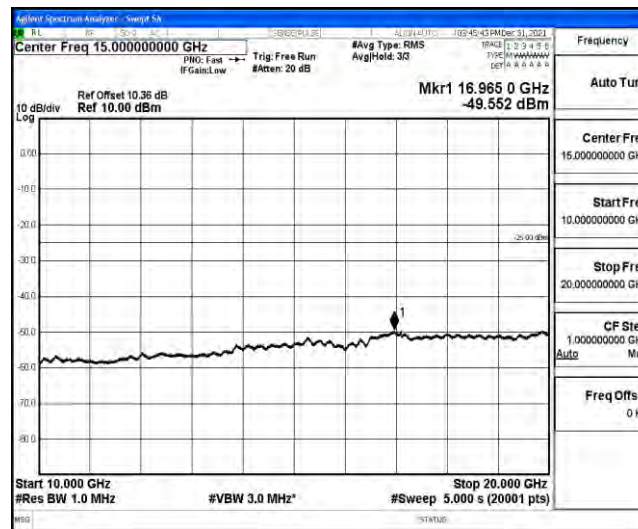
Band41-20MHz-QPSK-40620-Range3:30~1000MHz



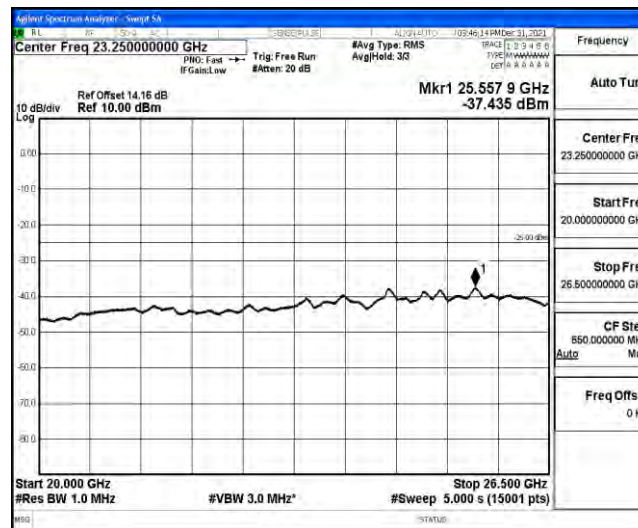
Band41-20MHz-QPSK-40620-Range4:1000~10000MHz



Band41-20MHz-QPSK-40620-Range5:10000~20000MHz



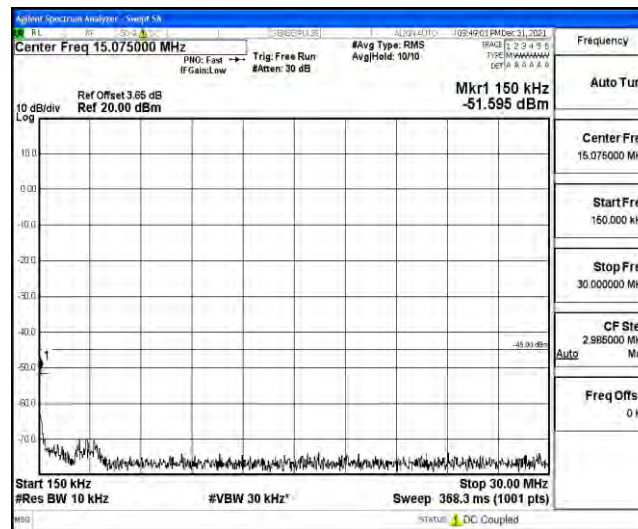
Band41-20MHz-QPSK-40620-Range6:20000~26500MHz



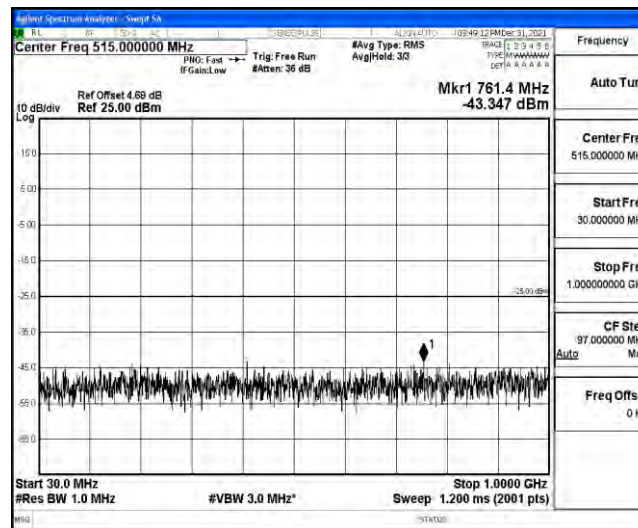
Band41-20MHz-QPSK-41490-Range1:0.009~0.15MHz



Band41-20MHz-QPSK-41490-Range2:0.15~30MHz



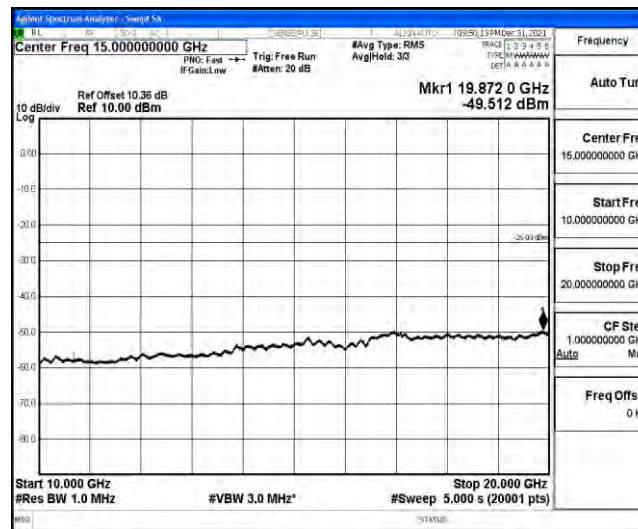
Band41-20MHz-QPSK-41490-Range3:30~1000MHz



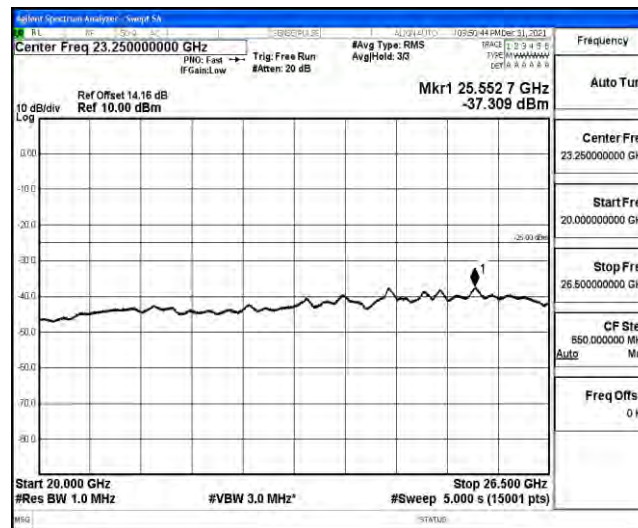
Band41-20MHz-QPSK-41490-Range4:1000~10000MHz



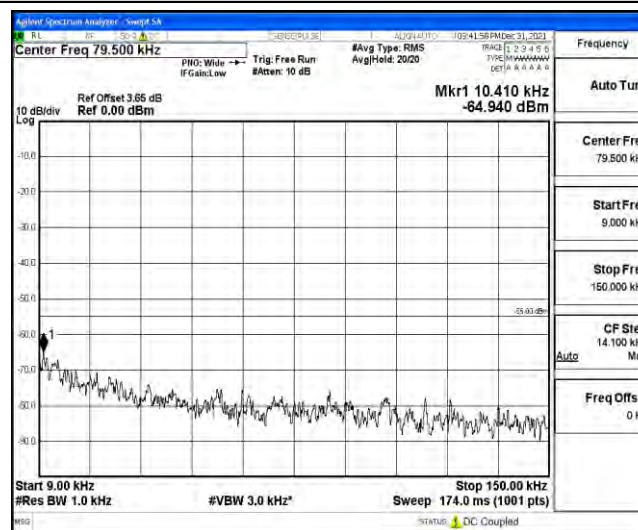
Band41-20MHz-QPSK-41490-Range5:10000~20000MHz



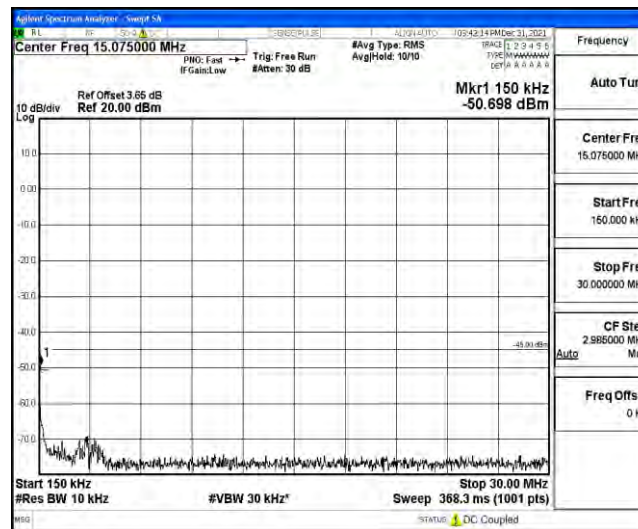
Band41-20MHz-QPSK-41490-Range6:20000~26500MHz



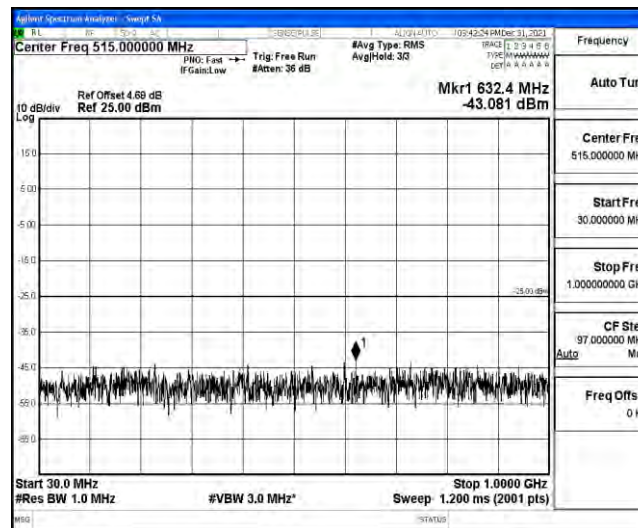
Band41-20MHz-16QAM-39750-Range1:0.009~0.15MHz



Band41-20MHz-16QAM-39750-Range2:0.15~30MHz



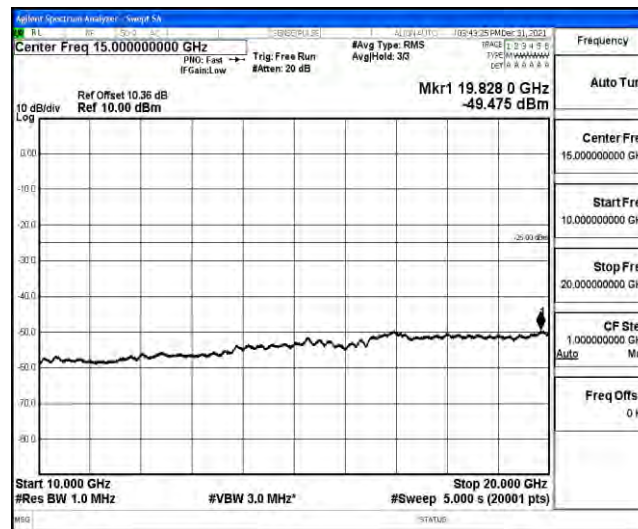
Band41-20MHz-16QAM-39750-Range3:30~1000MHz



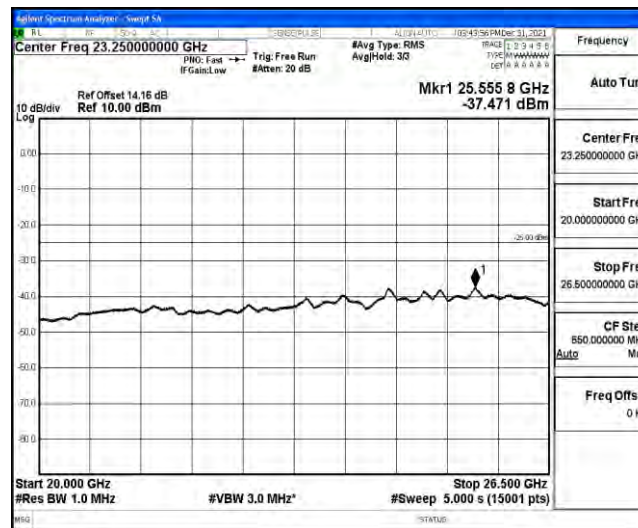
Band41-20MHz-16QAM-39750-Range4:1000~10000MHz



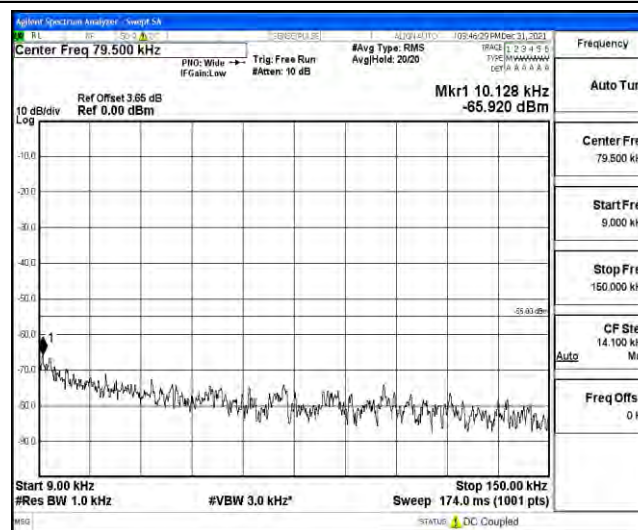
Band41-20MHz-16QAM-39750-Range5:10000~20000MHz



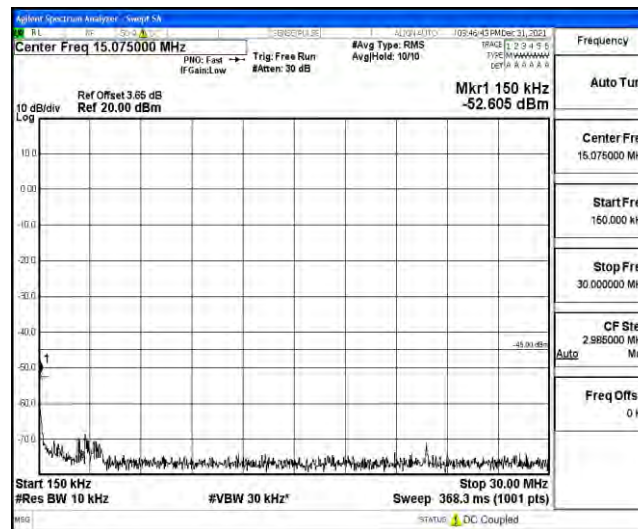
Band41-20MHz-16QAM-39750-Range6:20000~26500MHz



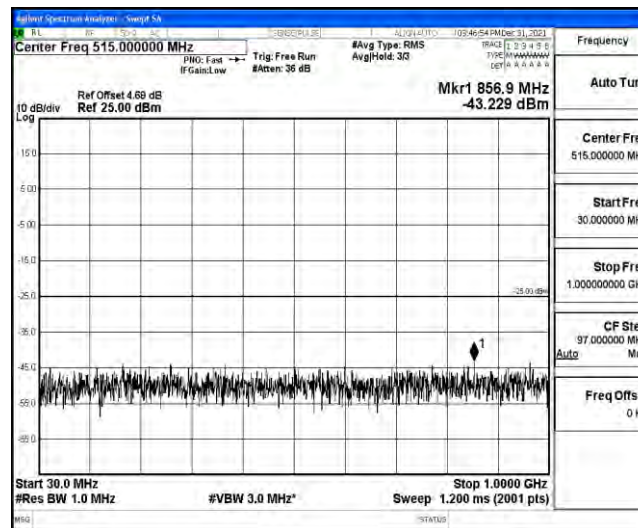
Band41-20MHz-16QAM-40620-Range1:0.009~0.15MHz



Band41-20MHz-16QAM-40620-Range2:0.15~30MHz



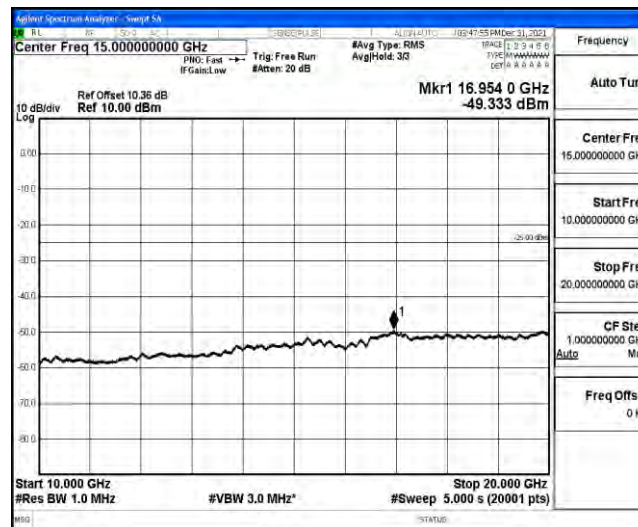
Band41-20MHz-16QAM-40620-Range3:30~1000MHz



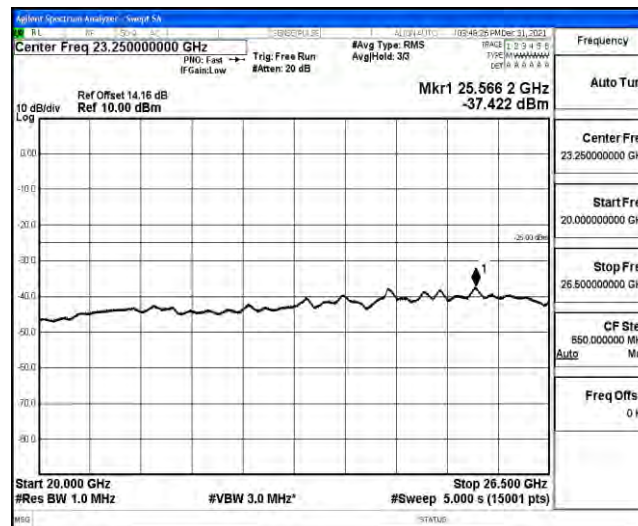
Band41-20MHz-16QAM-40620-Range4:1000~10000MHz



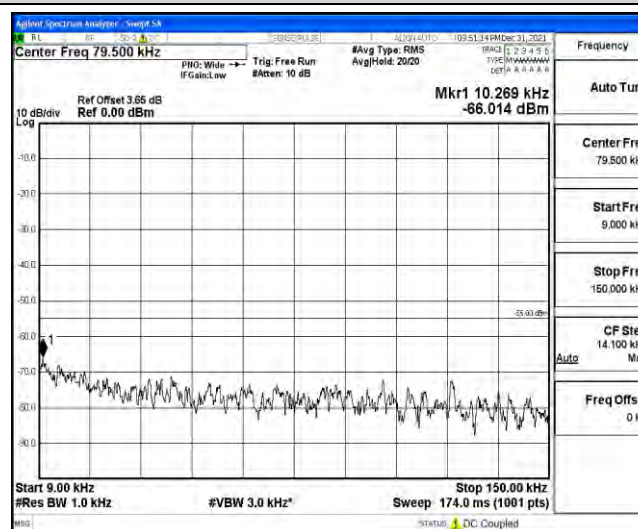
Band41-20MHz-16QAM-40620-Range5:10000~20000MHz



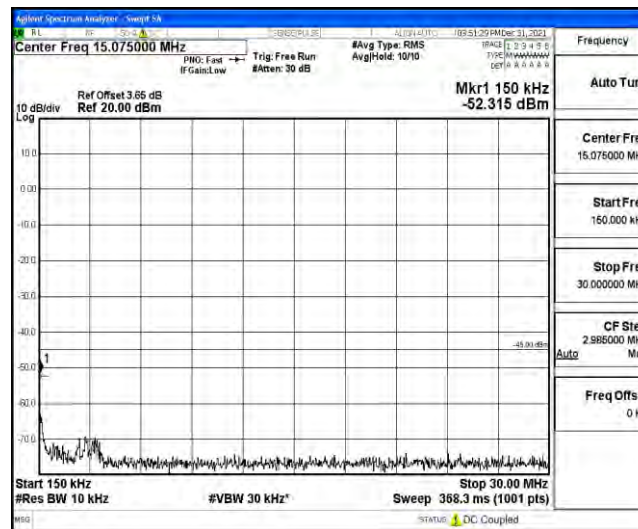
Band41-20MHz-16QAM-40620-Range6:20000~26500MHz



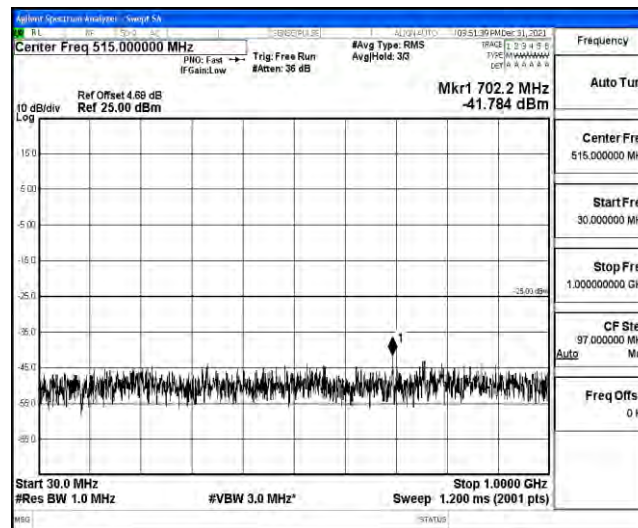
Band41-20MHz-16QAM-41490-Range1:0.009~0.15MHz



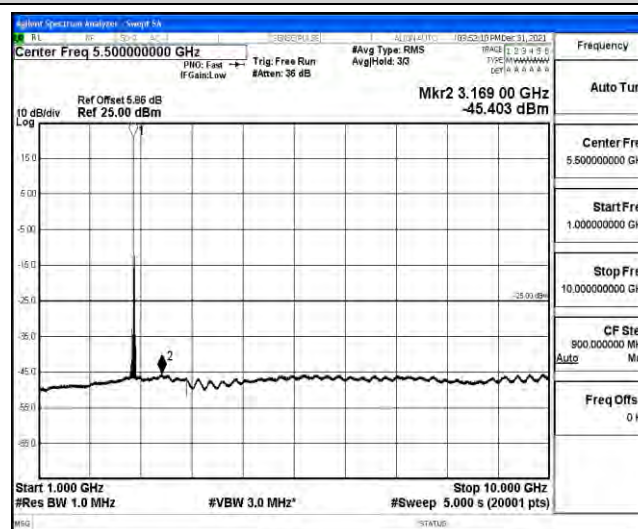
Band41-20MHz-16QAM-41490-Range2:0.15~30MHz



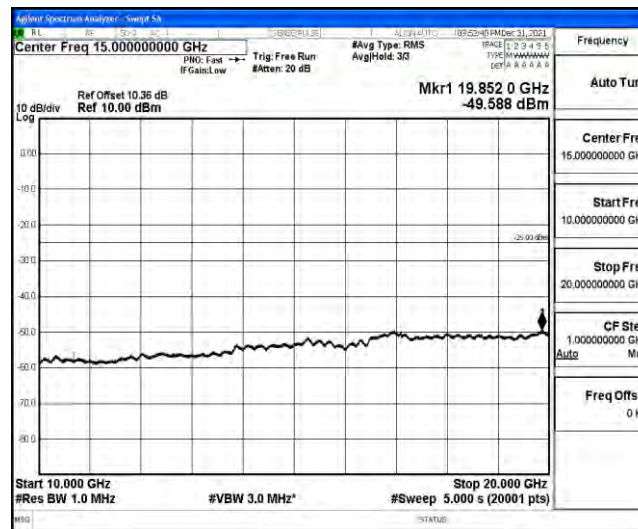
Band41-20MHz-16QAM-41490-Range3:30~1000MHz



Band41-20MHz-16QAM-41490-Range4:1000~10000MHz



Band41-20MHz-16QAM-41490-Range5:10000~20000MHz



## Band41-20MHz-16QAM-41490-Range6:20000~26500MHz

