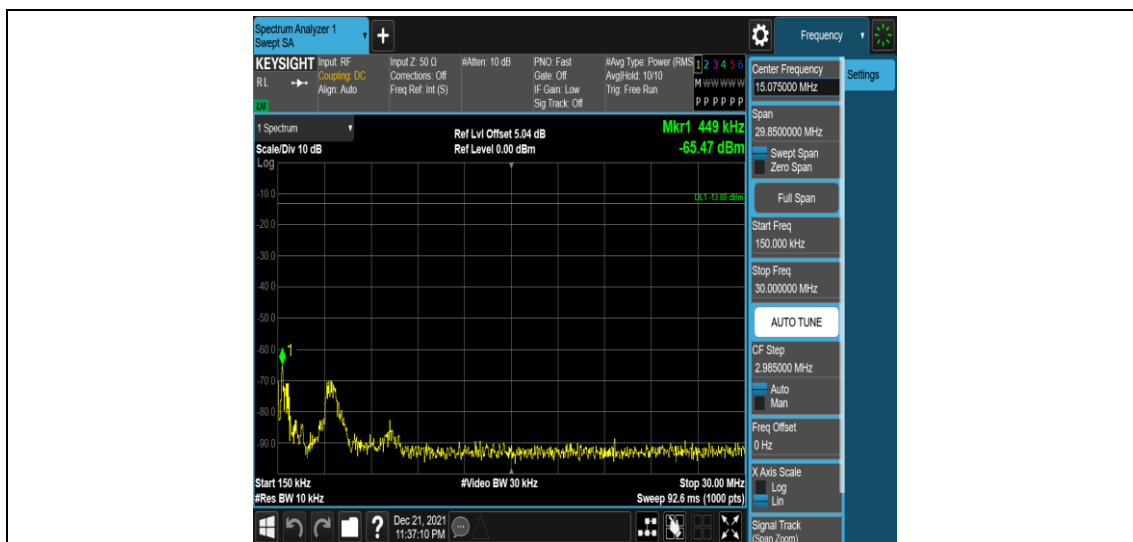
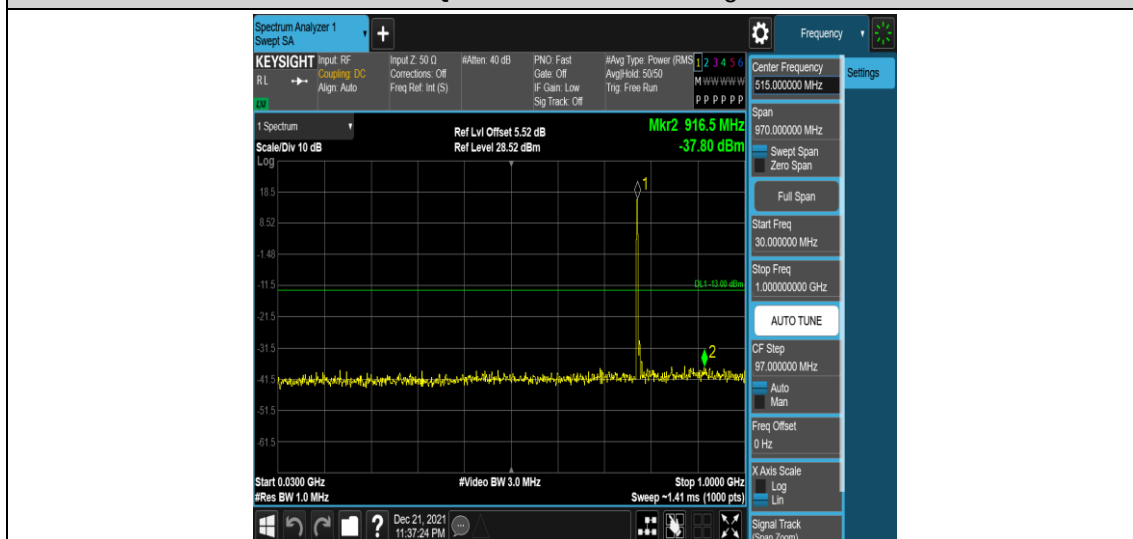
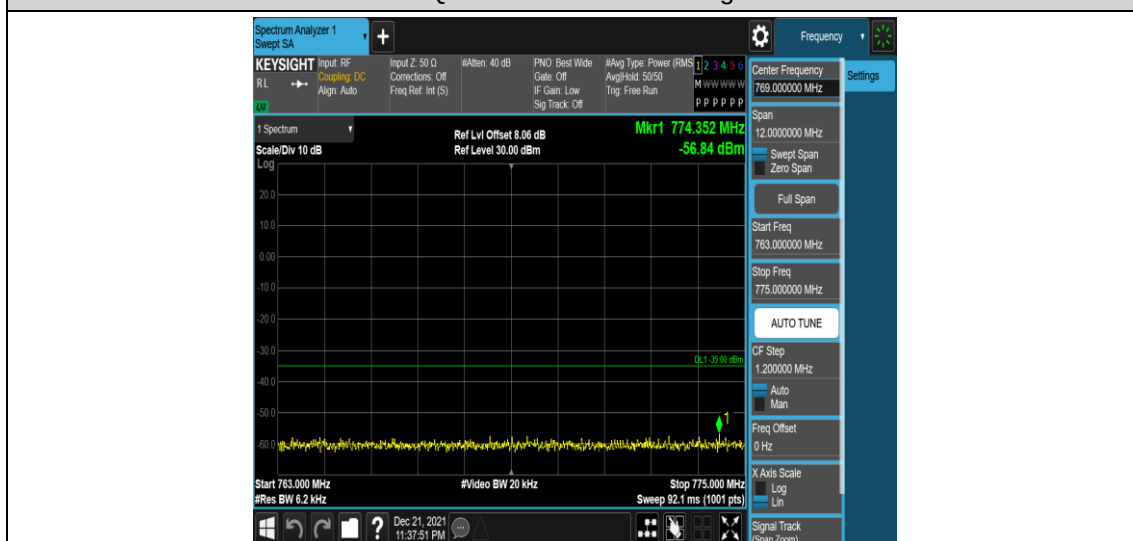




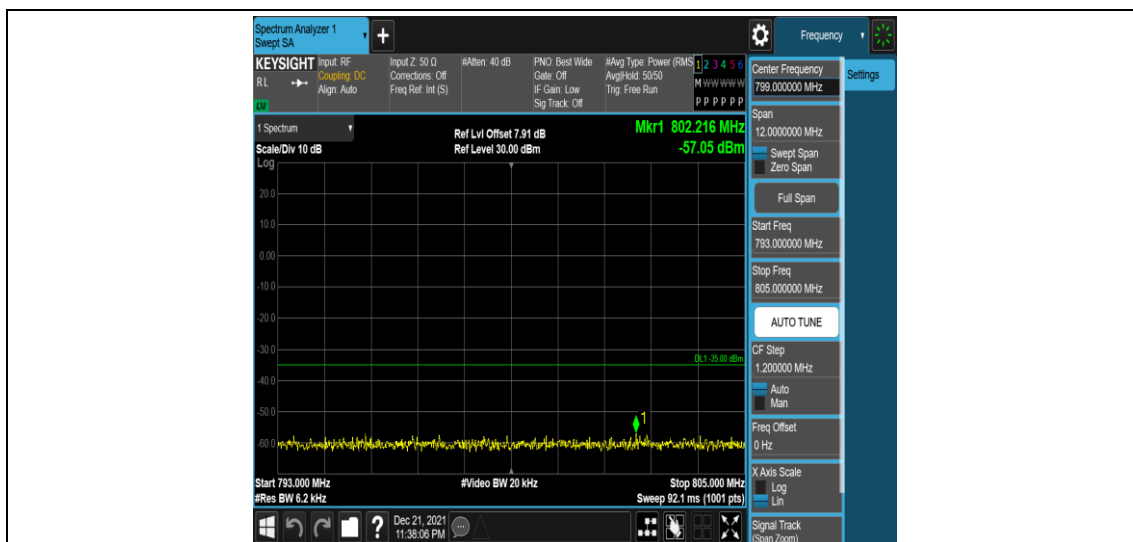
Band13-5MHz-16QAM-23205-1RB#0-Range2:0.15~30MHz



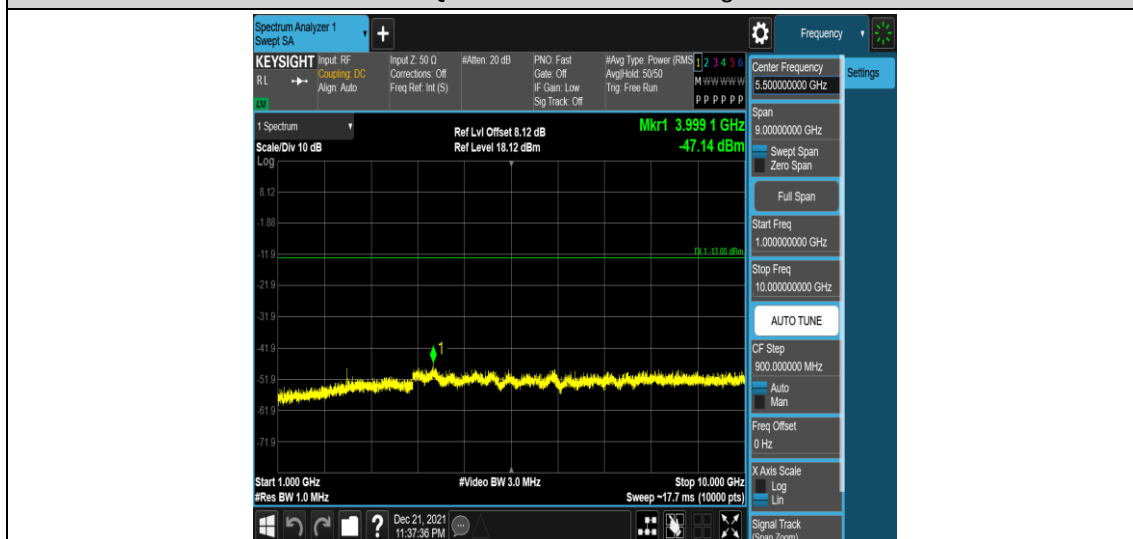
Band13-5MHz-16QAM-23205-1RB#0-Range3:30~1000MHz



Band13-5MHz-16QAM-23205-1RB#0-Range5:763~775MHz



Band13-5MHz-16QAM-23205-1RB#0-Range6:793~805MHz



Band13-5MHz-16QAM-23205-1RB#0-Range4:1000~10000MHz



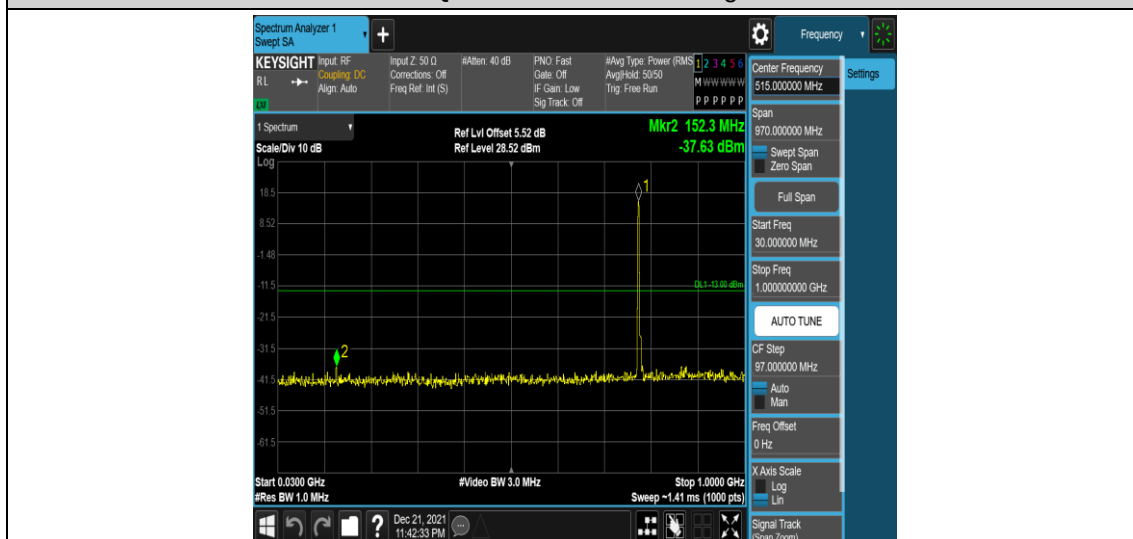
Band13-5MHz-16QAM-23205-1RB#0-Range7:1559~1610MHz



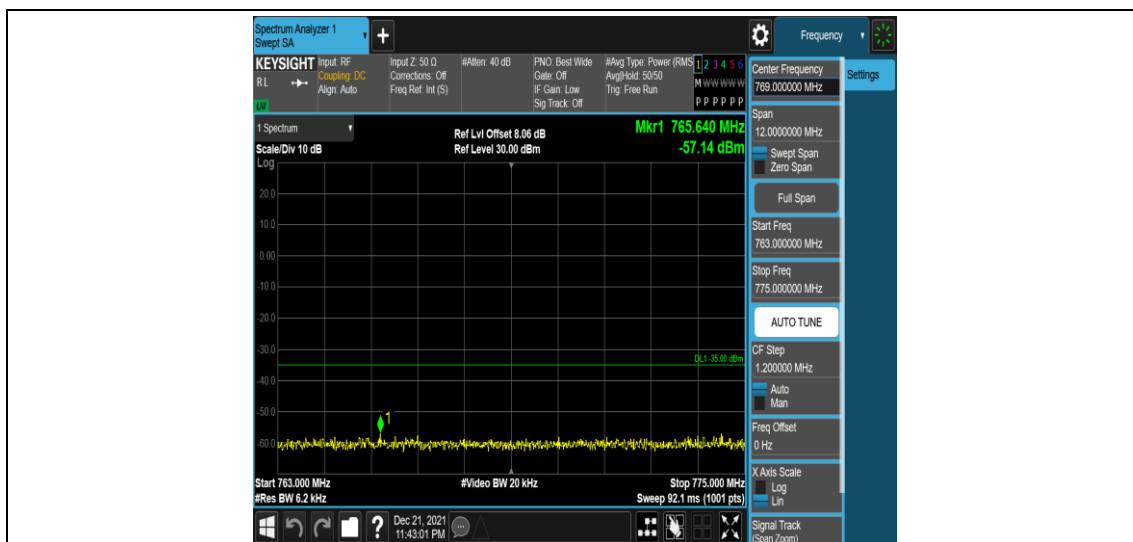
Band13-5MHz-16QAM-23230-1RB#0-Range1:0.009~0.15MHz



Band13-5MHz-16QAM-23230-1RB#0-Range2:0.15~30MHz



Band13-5MHz-16QAM-23230-1RB#0-Range3:30~1000MHz



Band13-5MHz-16QAM-23230-1RB#0-Range5:763~775MHz



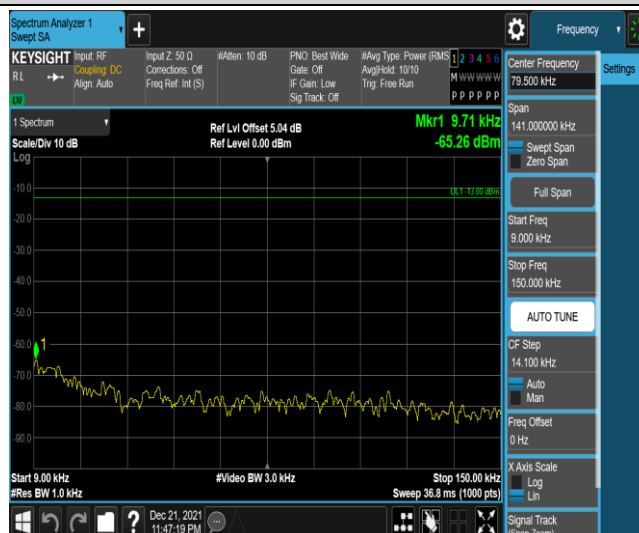
Band13-5MHz-16QAM-23230-1RB#0-Range6:793~805MHz



Band13-5MHz-16QAM-23230-1RB#0-Range4:1000~10000MHz



Band13-5MHz-16QAM-23230-1RB#0-Range7:1559~1610MHz



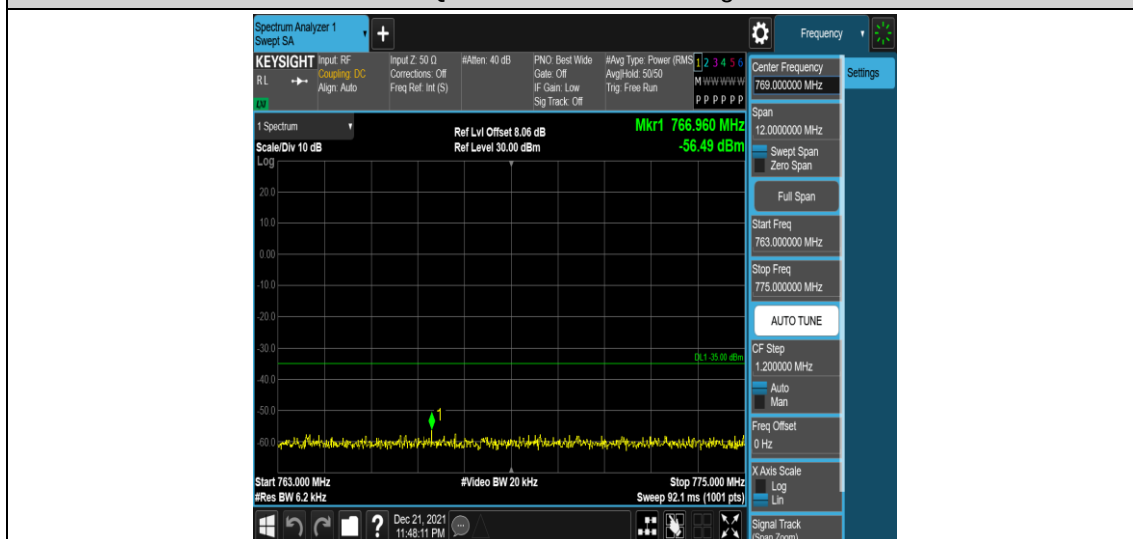
Band13-5MHz-16QAM-23255-1RB#0-Range1:0.009~0.15MHz



Band13-5MHz-16QAM-23255-1RB#0-Range2:0.15~30MHz



Band13-5MHz-16QAM-23255-1RB#0-Range3:30~1000MHz



Band13-5MHz-16QAM-23255-1RB#0-Range5:763~775MHz



Band13-5MHz-16QAM-23255-1RB#0-Range6:793~805MHz



Band13-5MHz-16QAM-23255-1RB#0-Range4:1000~10000MHz



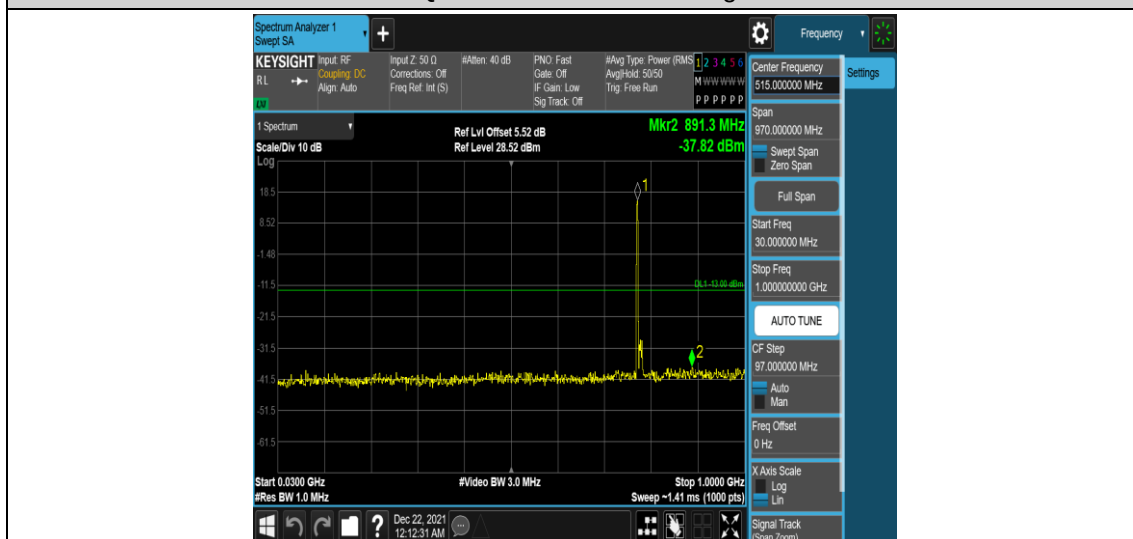
Band13-5MHz-16QAM-23255-1RB#0-Range7:1559~1610MHz



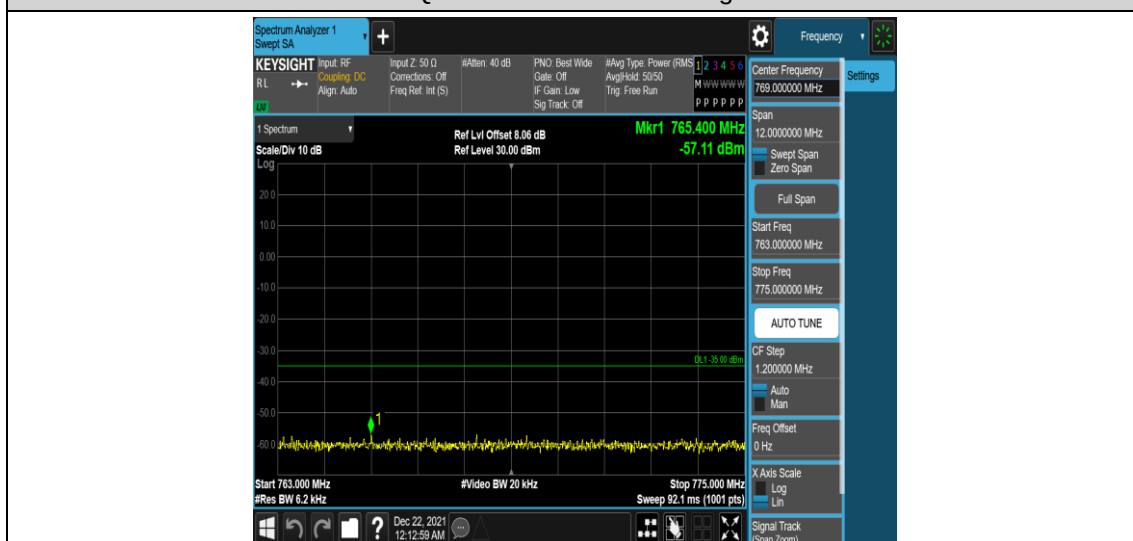
Band13-10MHz-QPSK-23230-1RB#0-Range1:0.009~0.15MHz



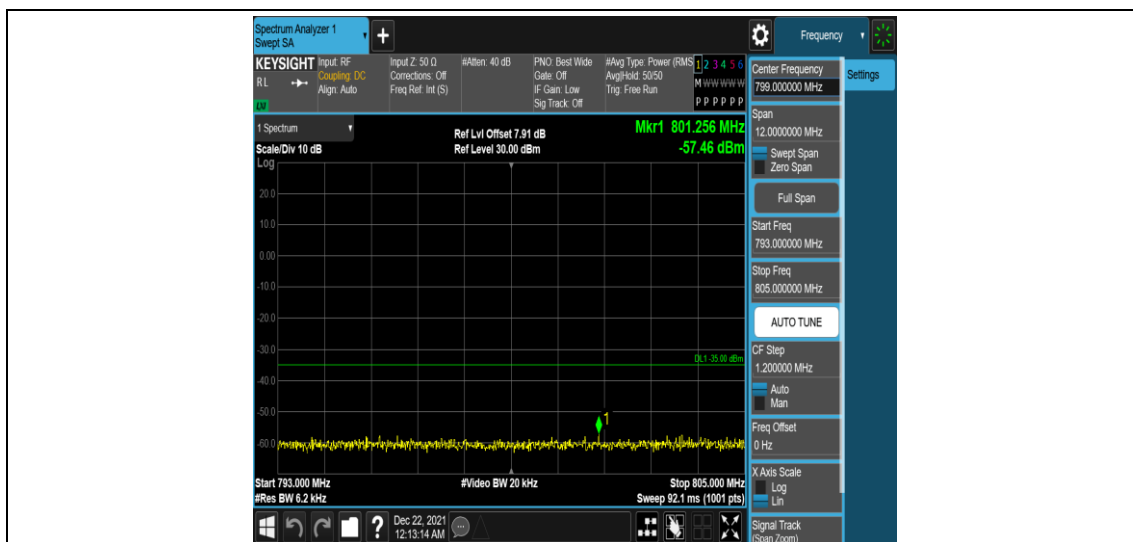
Band13-10MHz-QPSK-23230-1RB#0-Range2:0.15~30MHz



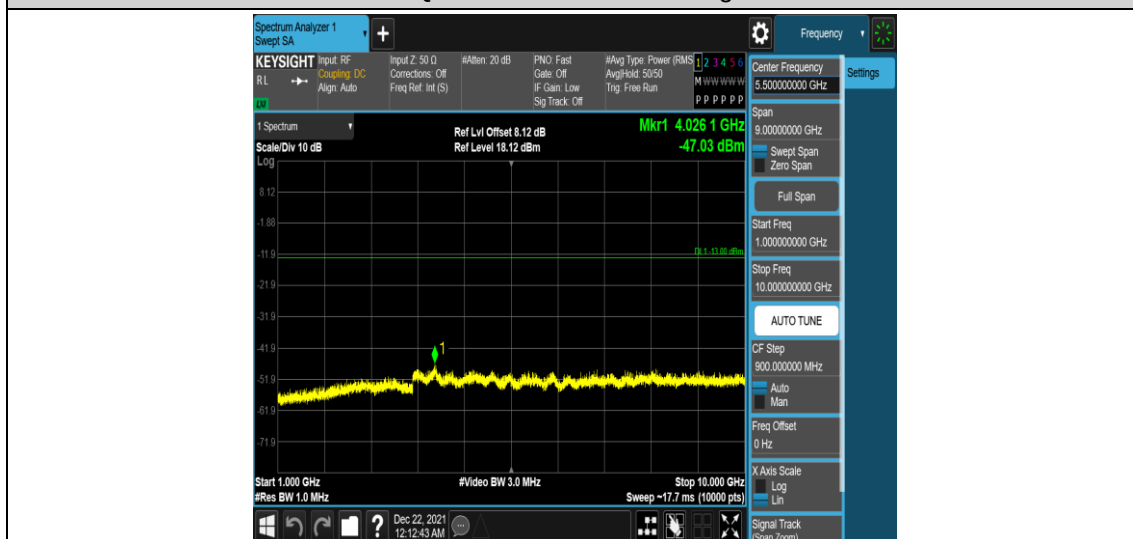
Band13-10MHz-QPSK-23230-1RB#0-Range3:30~1000MHz



Band13-10MHz-QPSK-23230-1RB#0-Range5:763~775MHz



Band13-10MHz-QPSK-23230-1RB#0-Range6:793~805MHz



Band13-10MHz-QPSK-23230-1RB#0-Range4:1000~10000MHz



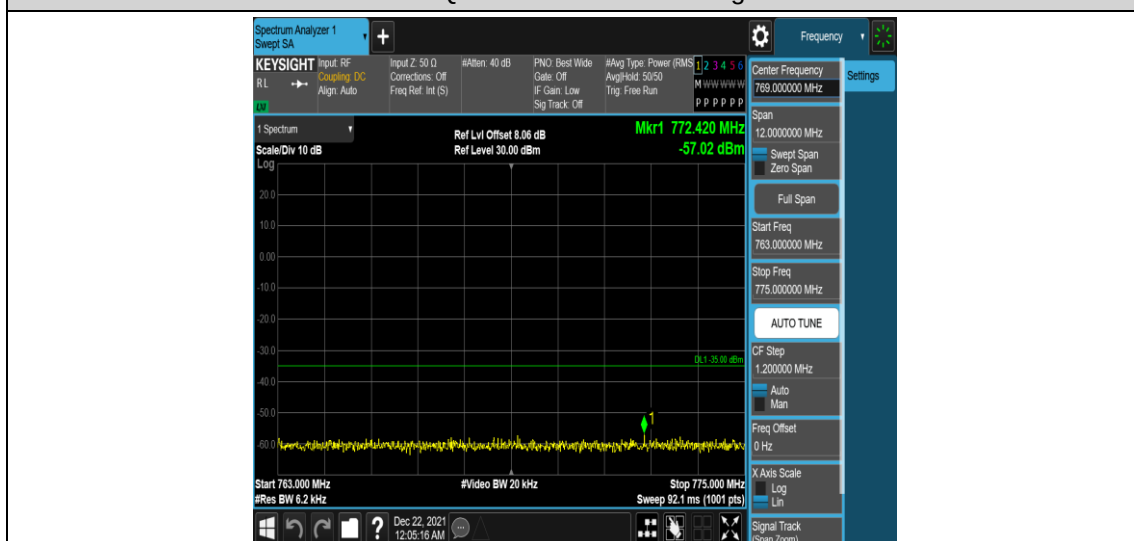
Band13-10MHz-QPSK-23230-1RB#0-Range7:1559~1610MHz



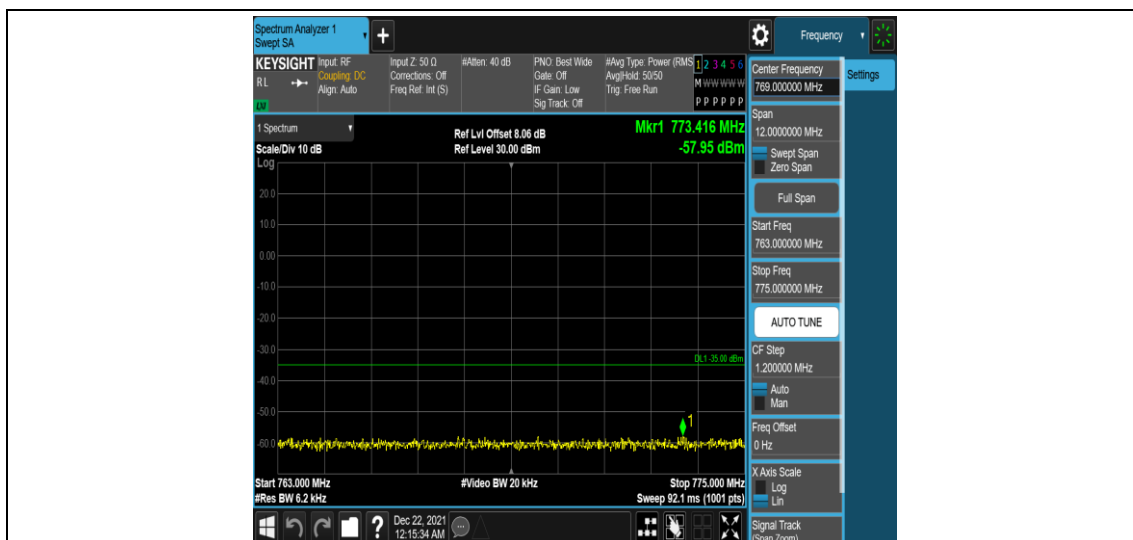
Band13-10MHz-16QAM-23230-1RB#0-Range1:0.009~0.15MHz



Band13-10MHz-16QAM-23230-1RB#0-Range2:0.15~30MHz



Band13-10MHz-16QAM-23230-1RB#0-Range3:30~1000MHz



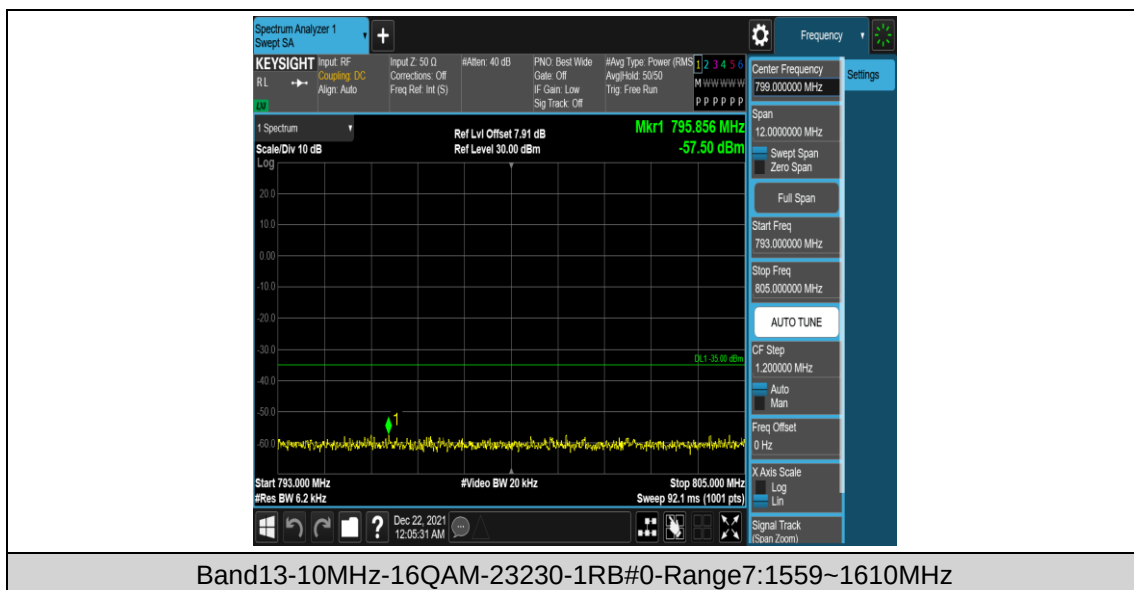
Band13-10MHz-16QAM-23230-1RB#0-Range5:763~775MHz



Band13-10MHz-16QAM-23230-1RB#0-Range6:793~805MHz



Band13-10MHz-16QAM-23230-1RB#0-Range4:1000~10000MHz



## Appendix F: Frequency Stability

### Test Result

| Band    | Bandwidth | Modulation | Channel | RB Configuration | Voltage       |                  | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|---------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
|         |           |            |         |                  | Voltage [Vdc] | Temperature (°C) |                |                 |             |         |
| Band1_3 | 5MHz      | QPSK       | 23205   | 25RB#0           | VL            | NT               | -1.96          | -0.002514       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23205   | 25RB#0           | VN            | NT               | -2.23          | -0.002861       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23205   | 25RB#0           | VH            | NT               | -3.68          | -0.004721       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23230   | 25RB#0           | VL            | NT               | -2.20          | -0.002813       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23230   | 25RB#0           | VN            | NT               | 2.00           | 0.002558        | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23230   | 25RB#0           | VH            | NT               | -2.50          | -0.003197       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23255   | 25RB#0           | VL            | NT               | 2.46           | 0.003136        | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23255   | 25RB#0           | VN            | NT               | -2.27          | -0.002894       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | QPSK       | 23255   | 25RB#0           | VH            | NT               | -2.32          | -0.002957       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23205   | 25RB#0           | VL            | NT               | -2.73          | -0.003502       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23205   | 25RB#0           | VN            | NT               | -4.56          | -0.005850       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23205   | 25RB#0           | VH            | NT               | -3.89          | -0.004990       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23230   | 25RB#0           | VL            | NT               | -4.21          | -0.005384       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23230   | 25RB#0           | VN            | NT               | -2.55          | -0.003261       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23230   | 25RB#0           | VH            | NT               | -2.46          | -0.003146       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23255   | 25RB#0           | VL            | NT               | -2.40          | -0.003059       | ±2.5        | PASS    |
| Band1_3 | 5MHz      | 16QAM      | 23255   | 25RB#0           | VN            | NT               | 0.93           | 0.001185        | ±2.5        | PASS    |

|            |       |       |       |        |    |    |       |           |      |      |
|------------|-------|-------|-------|--------|----|----|-------|-----------|------|------|
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 25RB#0 | VH | NT | 2.12  | 0.002702  | ±2.5 | PASS |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 50RB#0 | VL | NT | -1.42 | -0.001816 | ±2.5 | PASS |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 50RB#0 | VN | NT | -1.60 | -0.002046 | ±2.5 | PASS |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 50RB#0 | VH | NT | -4.11 | -0.005256 | ±2.5 | PASS |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 50RB#0 | VL | NT | -2.33 | -0.002980 | ±2.5 | PASS |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 50RB#0 | VN | NT | 1.40  | 0.001790  | ±2.5 | PASS |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 50RB#0 | VH | NT | -2.72 | -0.003478 | ±2.5 | PASS |

| Temperature |           |            |         |                  |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band1<br>3  | 5MHz      | QPSK       | 23205   | 25RB#0           | NV            | -30              | -3.00          | -0.003849       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23205   | 25RB#0           | NV            | -20              | -1.65          | -0.002117       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23205   | 25RB#0           | NV            | 0                | 1.52           | 0.001950        | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23205   | 25RB#0           | NV            | 10               | 2.16           | 0.002771        | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23205   | 25RB#0           | NV            | 20               | -2.85          | -0.003656       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23230   | 25RB#0           | NV            | -30              | -2.37          | -0.003031       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23230   | 25RB#0           | NV            | -20              | -2.19          | -0.002801       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23230   | 25RB#0           | NV            | 0                | -2.45          | -0.003133       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23230   | 25RB#0           | NV            | 10               | -1.36          | -0.001739       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23230   | 25RB#0           | NV            | 20               | -2.37          | -0.003031       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23255   | 25RB#0           | NV            | -30              | -3.39          | -0.004321       | ±2.5        | PASS    |
| Band1<br>3  | 5MHz      | QPSK       | 23255   | 25RB#0           | NV            | -20              | -1.34          | -0.001708       | ±2.5        | PASS    |

|            |       |       |       |        |    |     |       |           |      |      |
|------------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band1<br>3 | 5MHz  | QPSK  | 23255 | 25RB#0 | NV | 0   | 1.54  | 0.001963  | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | QPSK  | 23255 | 25RB#0 | NV | 10  | -1.77 | -0.002256 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | QPSK  | 23255 | 25RB#0 | NV | 20  | 2.60  | 0.003314  | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23205 | 25RB#0 | NV | -30 | -5.45 | -0.006992 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23205 | 25RB#0 | NV | -20 | -2.53 | -0.003246 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23205 | 25RB#0 | NV | 0   | -2.43 | -0.003117 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23205 | 25RB#0 | NV | 10  | -3.86 | -0.004952 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23205 | 25RB#0 | NV | 20  | -2.68 | -0.003438 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23230 | 25RB#0 | NV | -30 | -2.20 | -0.002813 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23230 | 25RB#0 | NV | -20 | -2.50 | -0.003197 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23230 | 25RB#0 | NV | 0   | -3.08 | -0.003939 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23230 | 25RB#0 | NV | 10  | -3.22 | -0.004118 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23230 | 25RB#0 | NV | 20  | -2.75 | -0.003517 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 25RB#0 | NV | -30 | 1.99  | 0.002537  | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 25RB#0 | NV | -20 | -2.30 | -0.002932 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 25RB#0 | NV | 0   | -3.12 | -0.003977 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 25RB#0 | NV | 10  | -2.15 | -0.002741 | ±2.5 | PASS |
| Band1<br>3 | 5MHz  | 16QAM | 23255 | 25RB#0 | NV | 20  | -3.00 | -0.003824 | ±2.5 | PASS |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 50RB#0 | NV | -30 | -1.30 | -0.001662 | ±2.5 | PASS |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 50RB#0 | NV | -20 | -2.49 | -0.003184 | ±2.5 | PASS |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 50RB#0 | NV | 0   | 1.66  | 0.002123  | ±2.5 | PASS |

|            |       |       |       |        |    |     |       |           |      |      |
|------------|-------|-------|-------|--------|----|-----|-------|-----------|------|------|
| Band1<br>3 | 10MHz | QPSK  | 23230 | 50RB#0 | NV | 10  | -3.28 | -0.004194 | ±2.5 | PASS |
| Band1<br>3 | 10MHz | QPSK  | 23230 | 50RB#0 | NV | 20  | -3.25 | -0.004156 | ±2.5 | PASS |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 50RB#0 | NV | -30 | 2.72  | 0.003478  | ±2.5 | PASS |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 50RB#0 | NV | -20 | -3.03 | -0.003875 | ±2.5 | PASS |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 50RB#0 | NV | 0   | 1.72  | 0.002199  | ±2.5 | PASS |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 50RB#0 | NV | 10  | -3.29 | -0.004207 | ±2.5 | PASS |
| Band1<br>3 | 10MHz | 16QAM | 23230 | 50RB#0 | NV | 20  | -2.90 | -0.003708 | ±2.5 | PASS |