



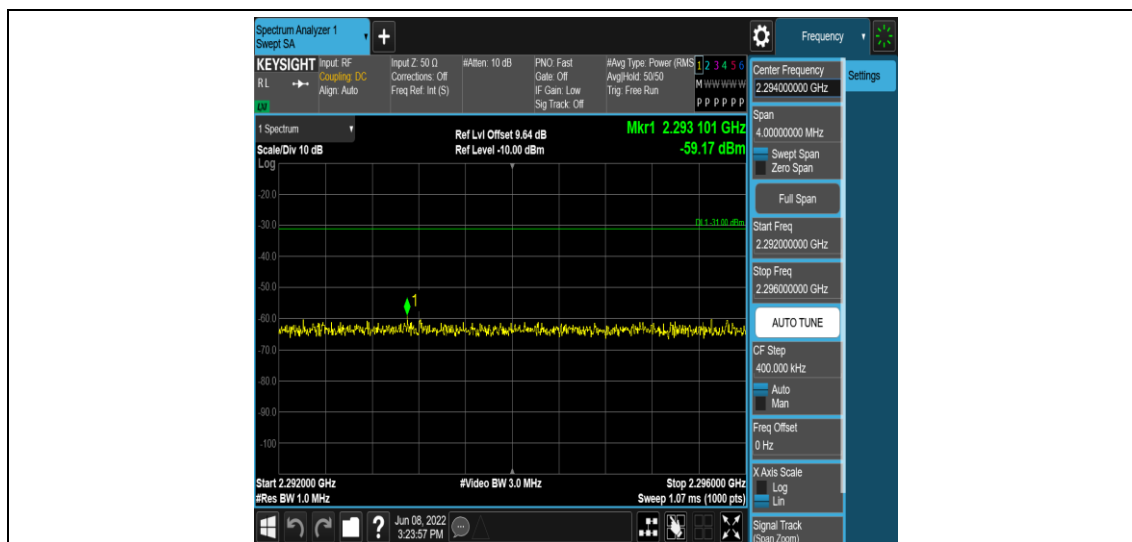
Band40-5MHz-16QAM-39225-1RB#0-Range3:30~1000MHz



Band40-5MHz-16QAM-39225-1RB#0-Range4:1000~2288MHz



Band40-5MHz-16QAM-39225-1RB#0-Range5:2288~2292MHz



Band40-5MHz-16QAM-39225-1RB#0-Range6:2292~2296MHz



Band40-5MHz-16QAM-39225-1RB#0-Range7:2296~2300MHz



Band40-5MHz-16QAM-39225-1RB#0-Range8:2300~2305MHz



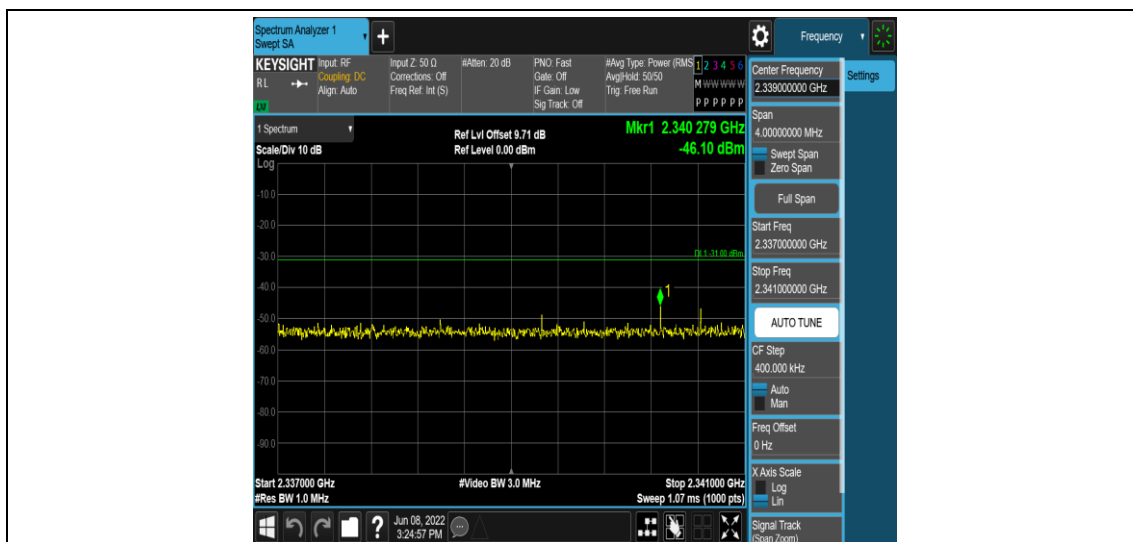
Band40-5MHz-16QAM-39225-1RB#0-Range9:2320~2324MHz



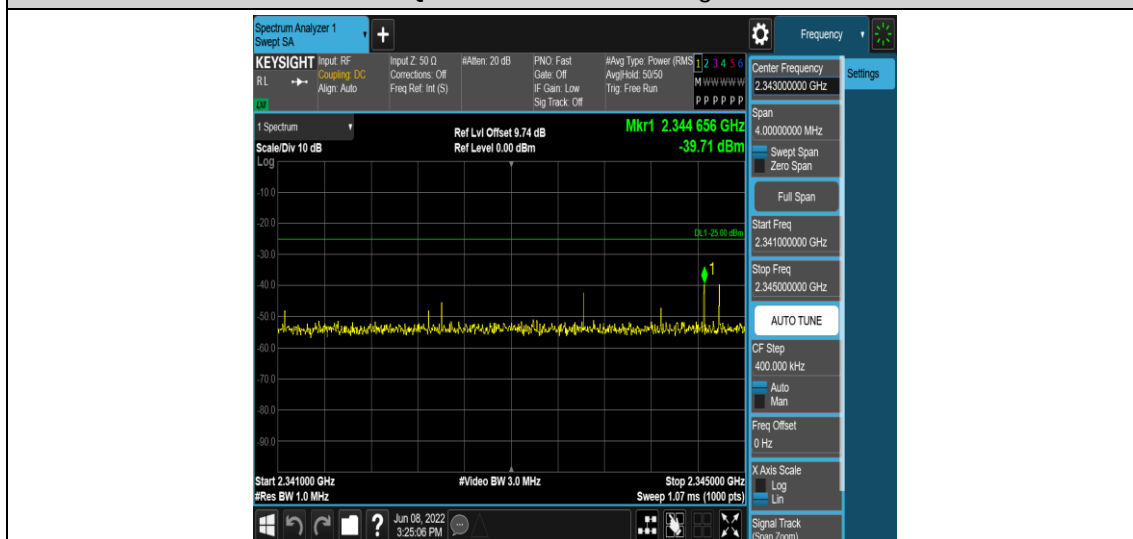
Band40-5MHz-16QAM-39225-1RB#0-Range10:2324~2328MHz



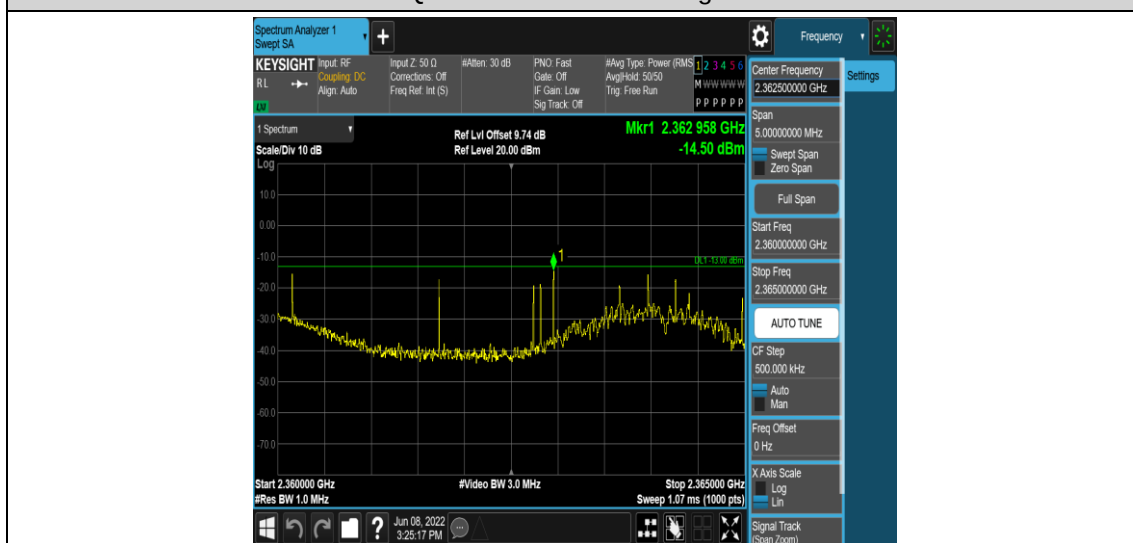
Band40-5MHz-16QAM-39225-1RB#0-Range11:2328~2337MHz



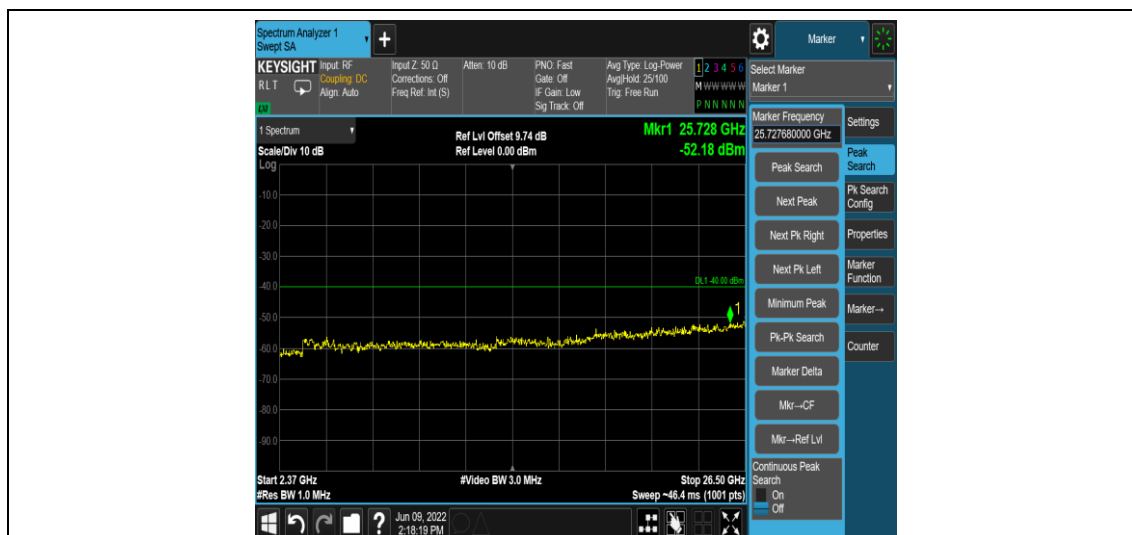
Band40-5MHz-16QAM-39225-1RB#0-Range12:2337~2341MHz



Band40-5MHz-16QAM-39225-1RB#0-Range13:2341~2345MHz



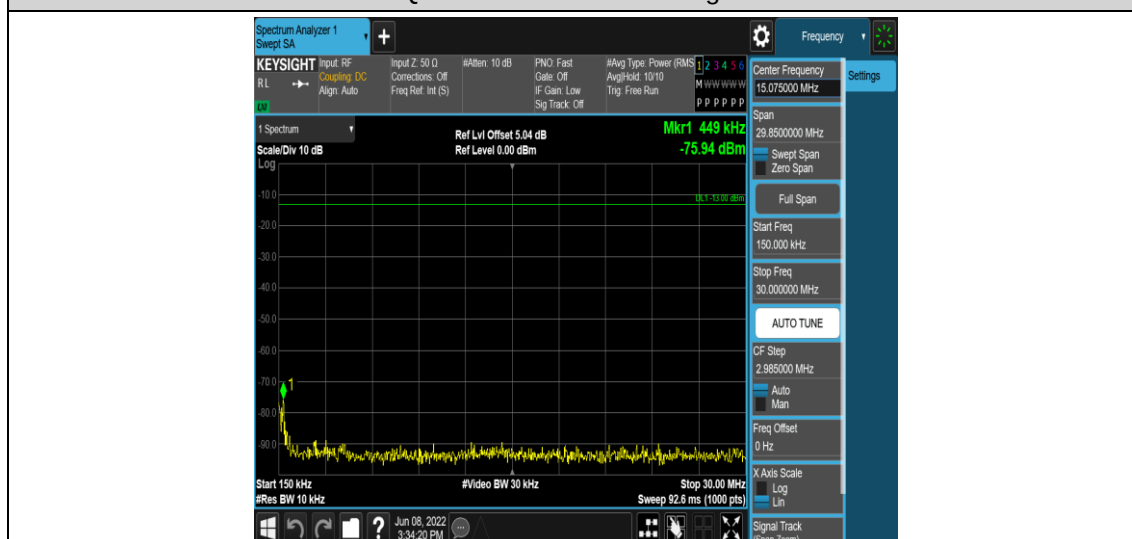
Band40-5MHz-16QAM-39225-1RB#0-Range14:2360~2365MHz



Band40-5MHz-16QAM-39225-1RB#0-Range15:2365~26500MHz



Band40-10MHz-QPSK-39200-1RB#0-Range1:0.009~0.15MHz



Band40-10MHz-QPSK-39200-1RB#0-Range2:0.15~30MHz



Band40-10MHz-QPSK-39200-1RB#0-Range3:30~1000MHz



Band40-10MHz-QPSK-39200-1RB#0-Range4:1000~2288MHz



Band40-10MHz-QPSK-39200-1RB#0-Range5:2288~2292MHz



Band40-10MHz-QPSK-39200-1RB#0-Range6:2292~2296MHz



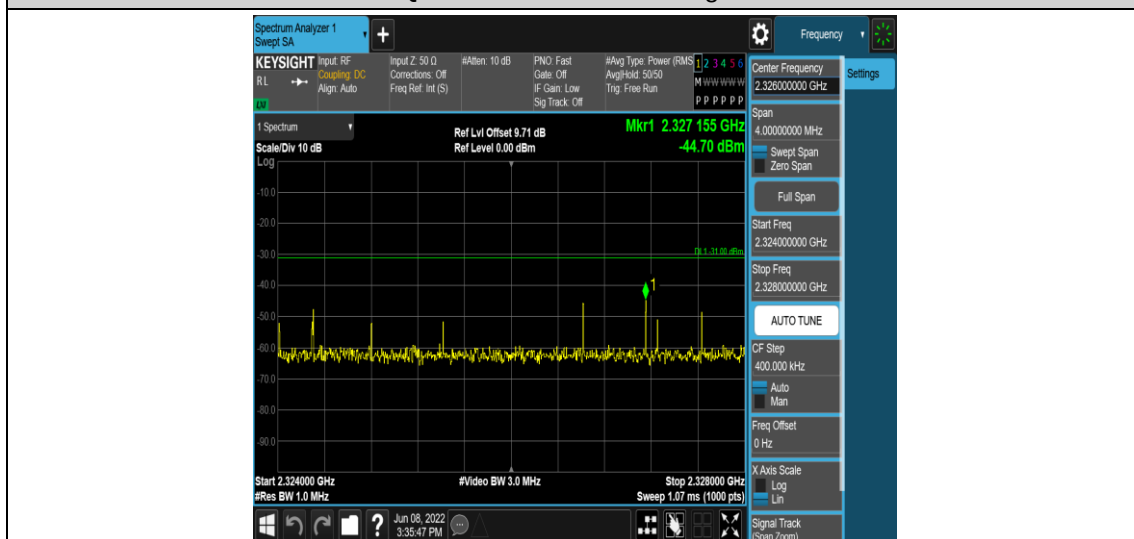
Band40-10MHz-QPSK-39200-1RB#0-Range7:2296~2300MHz



Band40-10MHz-QPSK-39200-1RB#0-Range8:2300~2305MHz



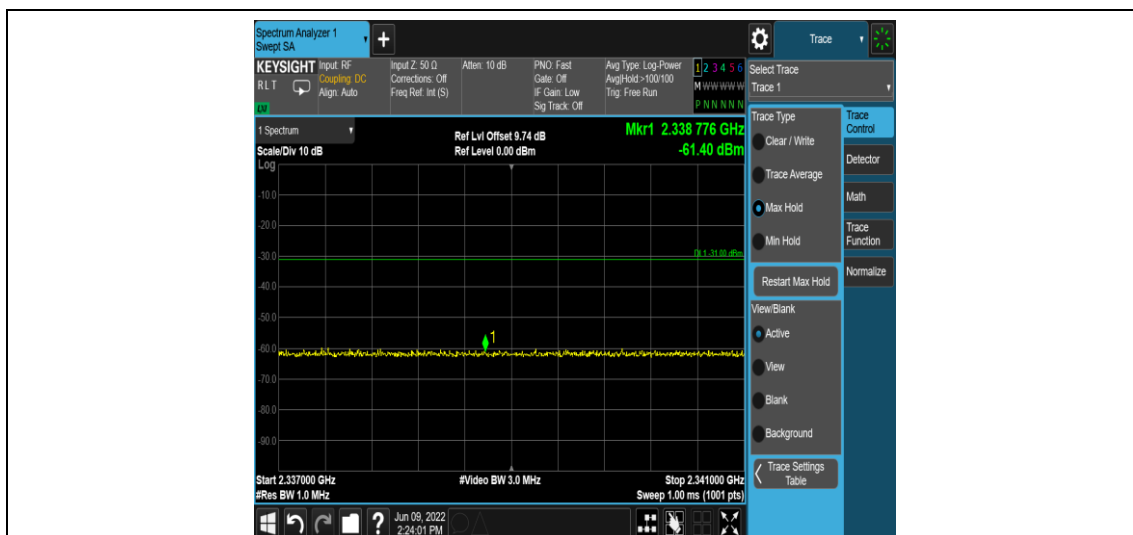
Band40-10MHz-QPSK-39200-1RB#0-Range9:2320~2324MHz



Band40-10MHz-QPSK-39200-1RB#0-Range10:2324~2328MHz



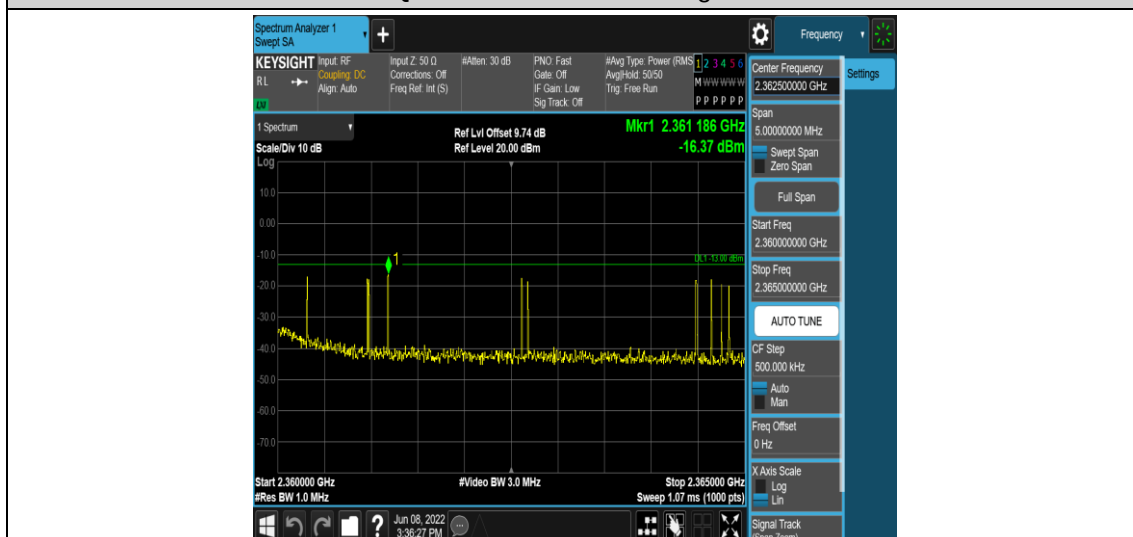
Band40-10MHz-QPSK-39200-1RB#0-Range11:2328~2337MHz



Band40-10MHz-QPSK-39200-1RB#0-Range12:2337~2341MHz



Band40-10MHz-QPSK-39200-1RB#0-Range13:2341~2345MHz



Band40-10MHz-QPSK-39200-1RB#0-Range14:2360~2365MHz



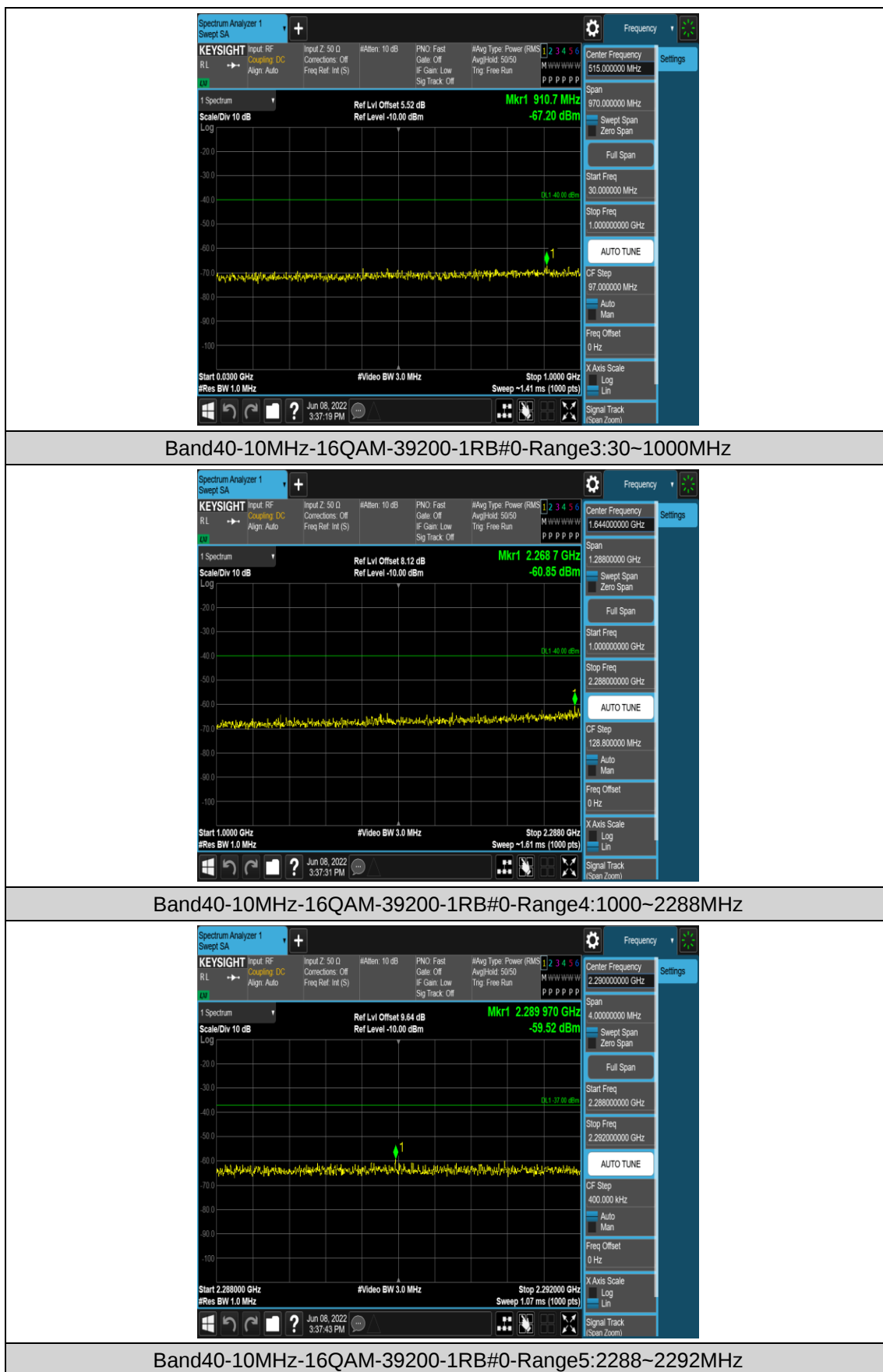
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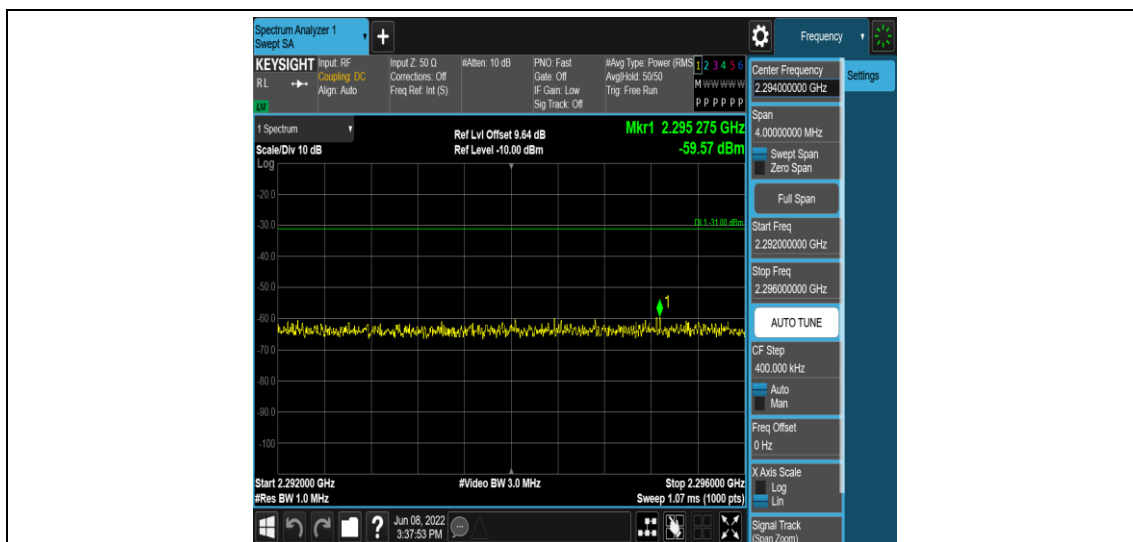


Band40-10MHz-16QAM-39200-1RB#0-Range1:0.009~0.15MHz

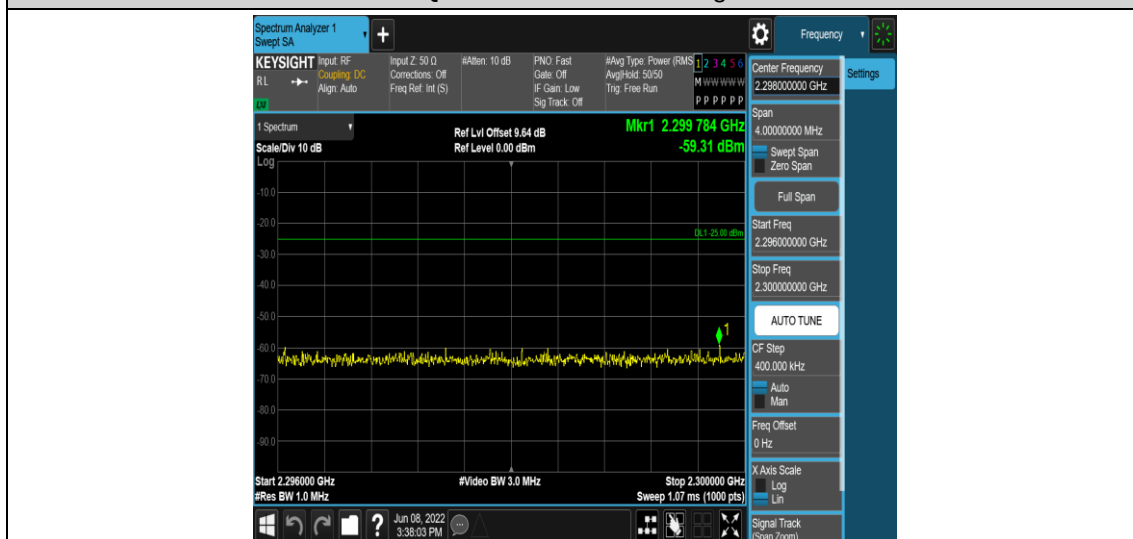


Band40-10MHz-16QAM-39200-1RB#0-Range2:0.15~30MHz





Band40-10MHz-16QAM-39200-1RB#0-Range6:2292~2296MHz



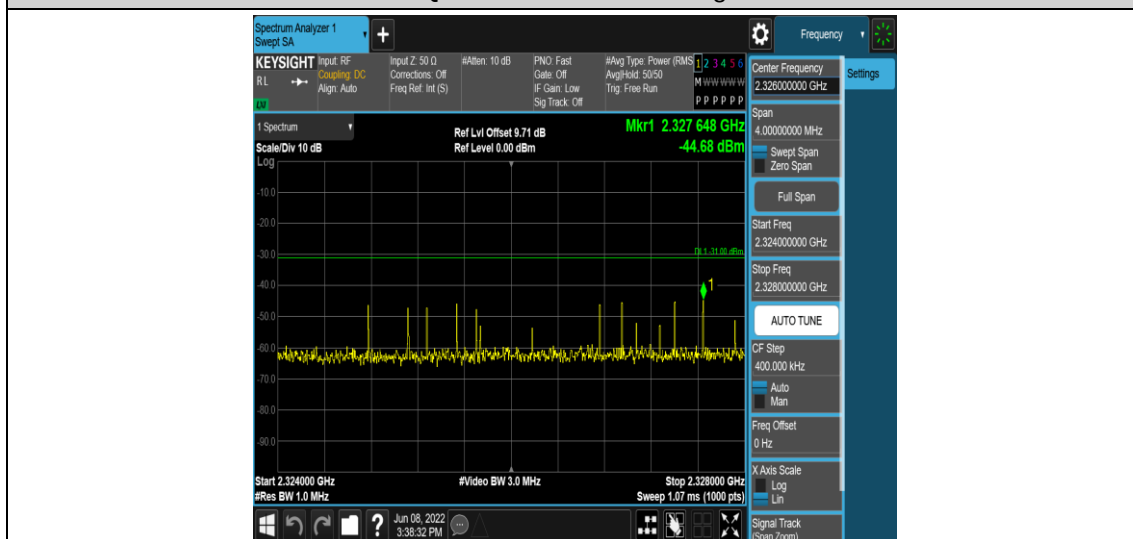
Band40-10MHz-16QAM-39200-1RB#0-Range7:2296~2300MHz



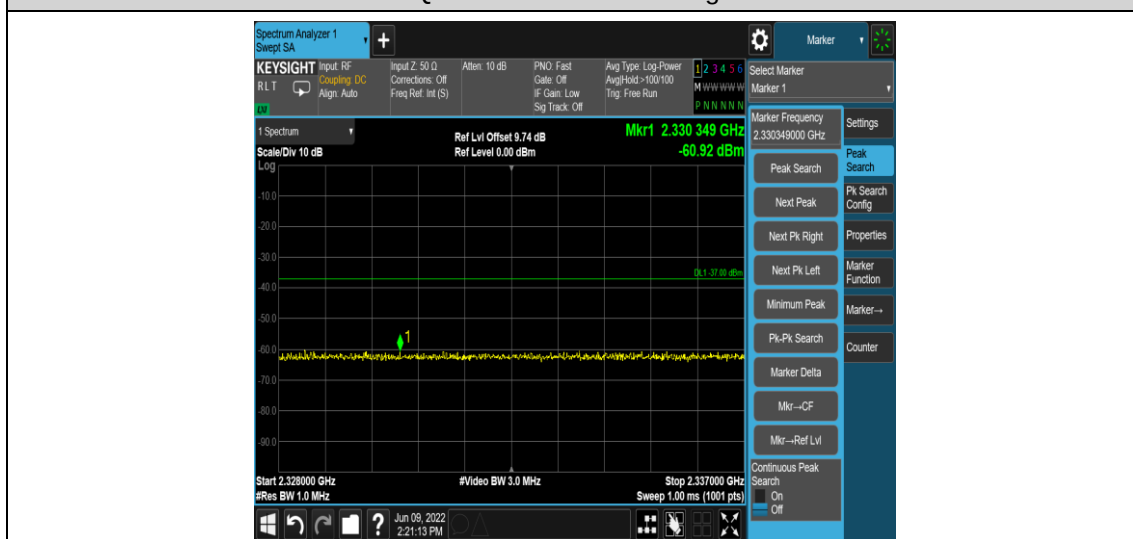
Band40-10MHz-16QAM-39200-1RB#0-Range8:2300~2305MHz



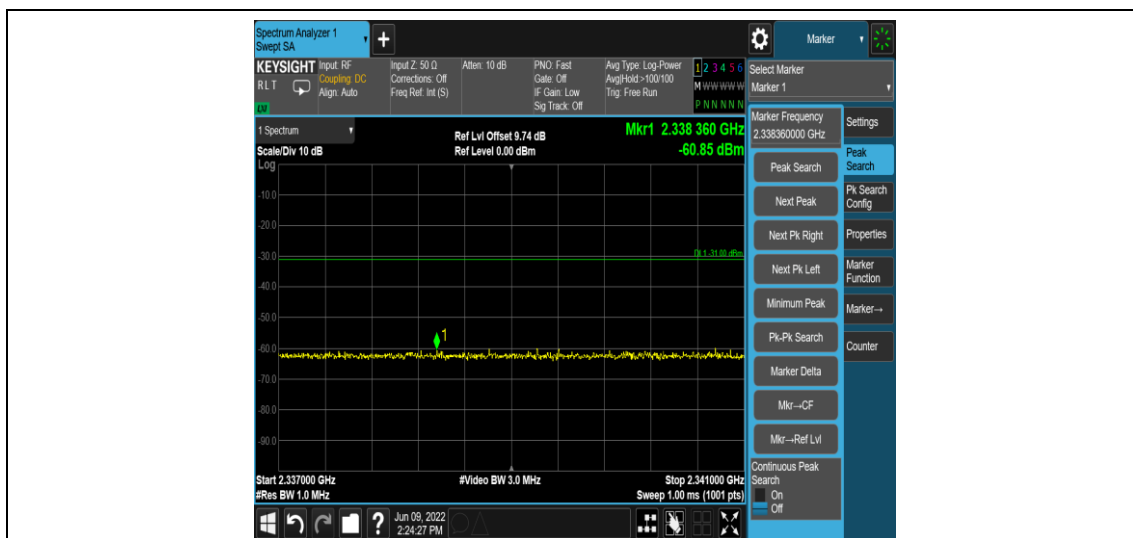
Band40-10MHz-16QAM-39200-1RB#0-Range9:2320~2324MHz



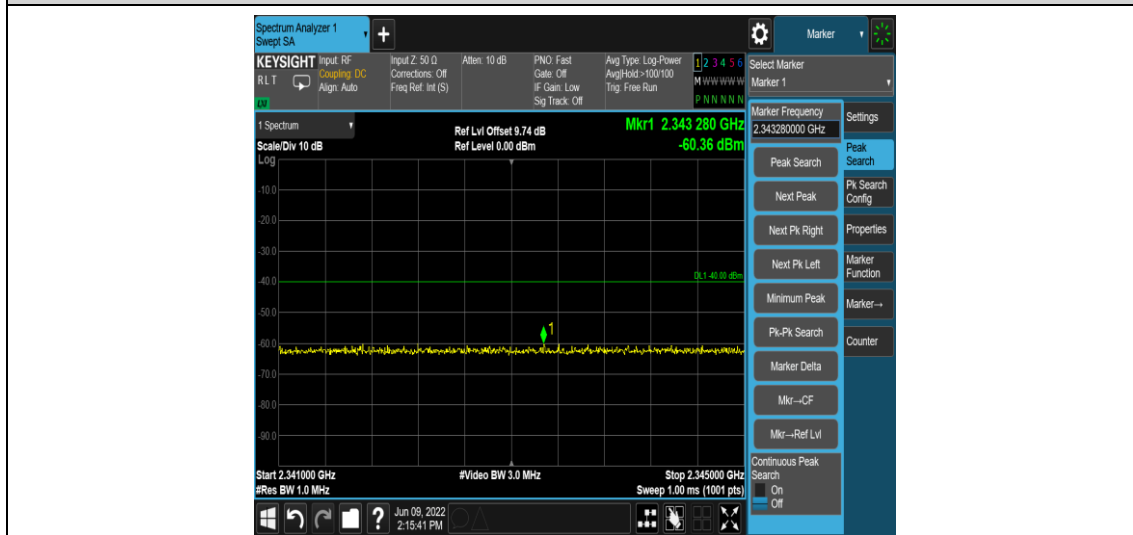
Band40-10MHz-16QAM-39200-1RB#0-Range10:2324~2328MHz



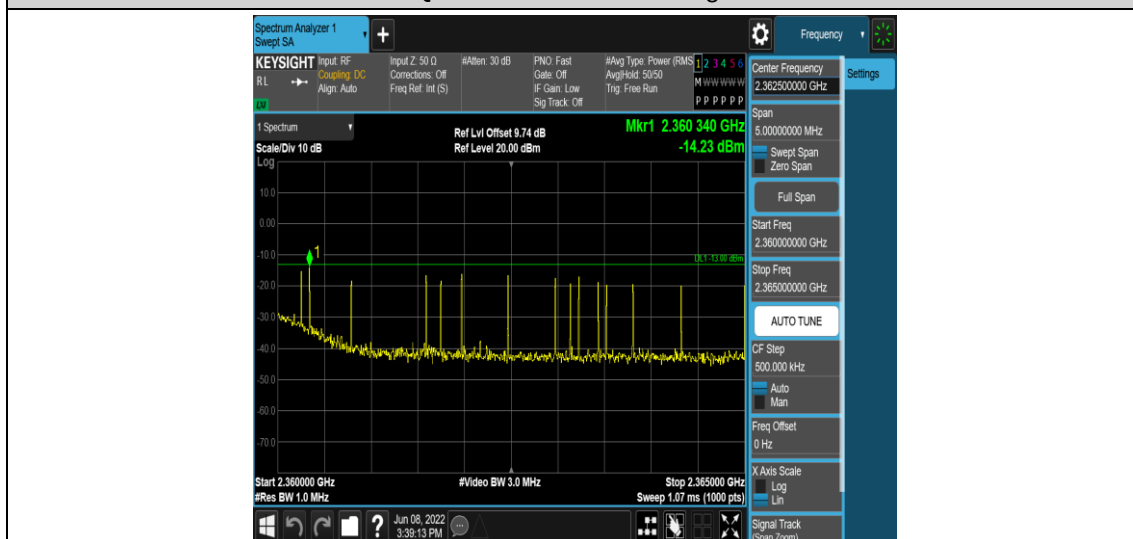
Band40-10MHz-16QAM-39200-1RB#0-Range11:2328~2337MHz



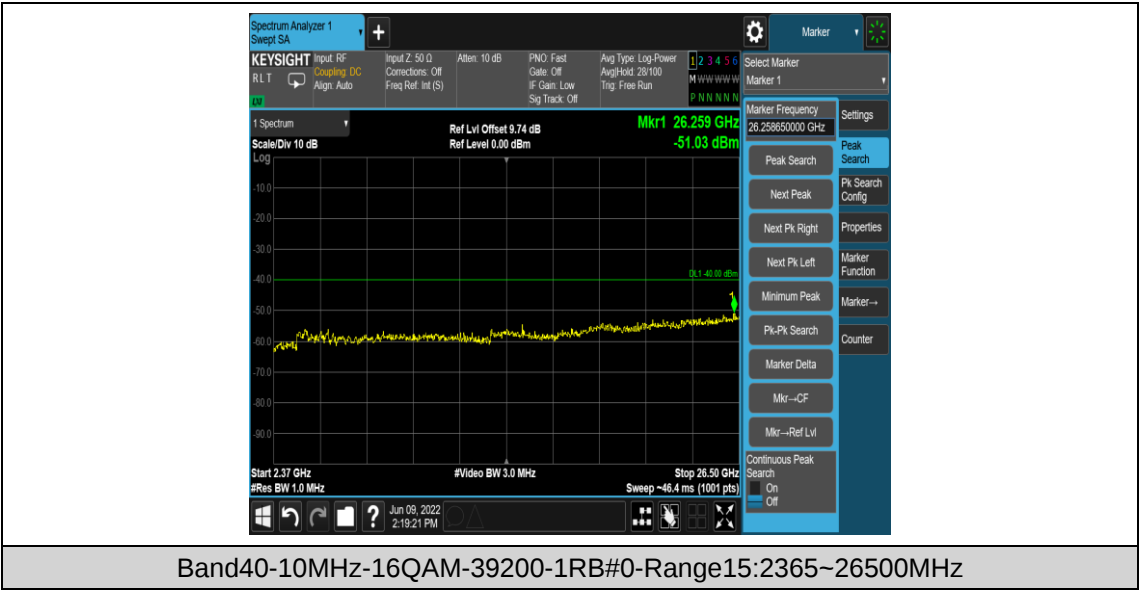
Band40-10MHz-16QAM-39200-1RB#0-Range12:2337~2341MHz



Band40-10MHz-16QAM-39200-1RB#0-Range13:2341~2345MHz



Band40-10MHz-16QAM-39200-1RB#0-Range14:2360~2365MHz



## Appendix F: Frequency Stability

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band40  | 5MHz      | QPSK       | 39175   | 25RB#0       | VL            | NT               | -11.90         | -0.005058       | ±2.5        | PASS    |
| Band40  | 5MHz      | QPSK       | 39175   | 25RB#0       | VN            | NT               | -11.69         | -0.004969       | ±2.5        | PASS    |
| Band40  | 5MHz      | QPSK       | 39175   | 25RB#0       | VH            | NT               | -2.86          | -0.001216       | ±2.5        | PASS    |
| Band40  | 5MHz      | QPSK       | 39200   | 25RB#0       | VL            | NT               | -5.95          | -0.002527       | ±2.5        | PASS    |
| Band40  | 5MHz      | QPSK       | 39200   | 25RB#0       | VN            | NT               | -1.60          | -0.000679       | ±2.5        | PASS    |
| Band40  | 5MHz      | QPSK       | 39200   | 25RB#0       | VH            | NT               | -11.49         | -0.004879       | ±2.5        | PASS    |
| Band40  | 5MHz      | QPSK       | 39225   | 25RB#0       | VL            | NT               | -5.74          | -0.002435       | ±2.5        | PASS    |
| Band40  | 5MHz      | QPSK       | 39225   | 25RB#0       | VN            | NT               | -18.37         | -0.007792       | ±2.5        | PASS    |
| Band40  | 5MHz      | QPSK       | 39225   | 25RB#0       | VH            | NT               | -6.41          | -0.002719       | ±2.5        | PASS    |
| Band40  | 5MHz      | 16QAM      | 39175   | 25RB#0       | VL            | NT               | 10.43          | 0.004434        | ±2.5        | PASS    |
| Band40  | 5MHz      | 16QAM      | 39175   | 25RB#0       | VN            | NT               | 11.97          | 0.005088        | ±2.5        | PASS    |
| Band40  | 5MHz      | 16QAM      | 39175   | 25RB#0       | VH            | NT               | 12.47          | 0.005301        | ±2.5        | PASS    |
| Band40  | 5MHz      | 16QAM      | 39200   | 25RB#0       | VL            | NT               | -3.16          | -0.001342       | ±2.5        | PASS    |
| Band40  | 5MHz      | 16QAM      | 39200   | 25RB#0       | VN            | NT               | -4.08          | -0.001732       | ±2.5        | PASS    |
| Band40  | 5MHz      | 16QAM      | 39200   | 25RB#0       | VH            | NT               | -8.30          | -0.003524       | ±2.5        | PASS    |
| Band40  | 5MHz      | 16QAM      | 39225   | 25RB#0       | VL            | NT               | 4.76           | 0.002019        | ±2.5        | PASS    |
| Band40  | 5MHz      | 16QAM      | 39225   | 25RB#0       | VN            | NT               | -4.96          | -0.002104       | ±2.5        | PASS    |

|            |       |       |       |        |    |    |        |           |      |      |
|------------|-------|-------|-------|--------|----|----|--------|-----------|------|------|
| Band4<br>0 | 5MHz  | 16QAM | 39225 | 25RB#0 | VH | NT | -10.49 | -0.004450 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | QPSK  | 39200 | 50RB#0 | VL | NT | 8.70   | 0.003694  | ±2.5 | PASS |
| Band4<br>0 | 10MHz | QPSK  | 39200 | 50RB#0 | VN | NT | -5.82  | -0.002471 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | QPSK  | 39200 | 50RB#0 | VH | NT | -7.42  | -0.003151 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | 16QAM | 39200 | 50RB#0 | VL | NT | -6.61  | -0.002807 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | 16QAM | 39200 | 50RB#0 | VN | NT | -8.77  | -0.003724 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | 16QAM | 39200 | 50RB#0 | VH | NT | -8.53  | -0.003622 | ±2.5 | PASS |

| Temperature |           |            |         |                  |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band4<br>0  | 5MHz      | QPSK       | 39175   | 25RB#0           | NV            | -30              | -12.92         | -0.005492       | ±2.5        | PASS    |
| Band4<br>0  | 5MHz      | QPSK       | 39175   | 25RB#0           | NV            | -20              | -3.65          | -0.001552       | ±2.5        | PASS    |
| Band4<br>0  | 5MHz      | QPSK       | 39175   | 25RB#0           | NV            | 0                | -9.68          | -0.004115       | ±2.5        | PASS    |
| Band4<br>0  | 5MHz      | QPSK       | 39175   | 25RB#0           | NV            | 10               | -8.24          | -0.003503       | ±2.5        | PASS    |
| Band4<br>0  | 5MHz      | QPSK       | 39175   | 25RB#0           | NV            | 20               | -8.34          | -0.003545       | ±2.5        | PASS    |
| Band4<br>0  | 5MHz      | QPSK       | 39200   | 25RB#0           | NV            | -30              | -11.89         | -0.005049       | ±2.5        | PASS    |
| Band4<br>0  | 5MHz      | QPSK       | 39200   | 25RB#0           | NV            | -20              | -10.77         | -0.004573       | ±2.5        | PASS    |
| Band4<br>0  | 5MHz      | QPSK       | 39200   | 25RB#0           | NV            | 0                | -10.63         | -0.004514       | ±2.5        | PASS    |
| Band4<br>0  | 5MHz      | QPSK       | 39200   | 25RB#0           | NV            | 10               | -5.64          | -0.002395       | ±2.5        | PASS    |
| Band4<br>0  | 5MHz      | QPSK       | 39200   | 25RB#0           | NV            | 20               | 4.52           | 0.001919        | ±2.5        | PASS    |
| Band4<br>0  | 5MHz      | QPSK       | 39225   | 25RB#0           | NV            | -30              | 6.88           | 0.002918        | ±2.5        | PASS    |
| Band4<br>0  | 5MHz      | QPSK       | 39225   | 25RB#0           | NV            | -20              | -5.52          | -0.002341       | ±2.5        | PASS    |

|            |       |       |       |        |    |     |        |           |      |      |
|------------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band4<br>0 | 5MHz  | QPSK  | 39225 | 25RB#0 | NV | 0   | -12.52 | -0.005311 | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | QPSK  | 39225 | 25RB#0 | NV | 10  | -9.01  | -0.003822 | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | QPSK  | 39225 | 25RB#0 | NV | 20  | -6.17  | -0.002617 | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39175 | 25RB#0 | NV | -30 | 11.42  | 0.004854  | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39175 | 25RB#0 | NV | -20 | 11.33  | 0.004816  | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39175 | 25RB#0 | NV | 0   | 10.14  | 0.004310  | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39175 | 25RB#0 | NV | 10  | 11.43  | 0.004859  | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39175 | 25RB#0 | NV | 20  | 15.56  | 0.006614  | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39200 | 25RB#0 | NV | -30 | 9.17   | 0.003894  | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39200 | 25RB#0 | NV | -20 | 6.19   | 0.002628  | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39200 | 25RB#0 | NV | 0   | 7.34   | 0.003117  | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39200 | 25RB#0 | NV | 10  | 7.04   | 0.002989  | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39200 | 25RB#0 | NV | 20  | 5.11   | 0.002170  | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39225 | 25RB#0 | NV | -30 | -5.91  | -0.002507 | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39225 | 25RB#0 | NV | -20 | -4.68  | -0.001985 | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39225 | 25RB#0 | NV | 0   | -8.83  | -0.003745 | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39225 | 25RB#0 | NV | 10  | -4.69  | -0.001989 | ±2.5 | PASS |
| Band4<br>0 | 5MHz  | 16QAM | 39225 | 25RB#0 | NV | 20  | -5.92  | -0.002511 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | QPSK  | 39200 | 50RB#0 | NV | -30 | 5.02   | 0.002132  | ±2.5 | PASS |
| Band4<br>0 | 10MHz | QPSK  | 39200 | 50RB#0 | NV | -20 | -7.88  | -0.003346 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | QPSK  | 39200 | 50RB#0 | NV | 0   | -9.11  | -0.003868 | ±2.5 | PASS |

|            |       |       |       |        |    |     |        |           |      |      |
|------------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band4<br>0 | 10MHz | QPSK  | 39200 | 50RB#0 | NV | 10  | -10.76 | -0.004569 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | QPSK  | 39200 | 50RB#0 | NV | 20  | -6.12  | -0.002599 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | 16QAM | 39200 | 50RB#0 | NV | -30 | -5.69  | -0.002416 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | 16QAM | 39200 | 50RB#0 | NV | -20 | -14.68 | -0.006234 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | 16QAM | 39200 | 50RB#0 | NV | 0   | -11.59 | -0.004921 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | 16QAM | 39200 | 50RB#0 | NV | 10  | -6.11  | -0.002594 | ±2.5 | PASS |
| Band4<br>0 | 10MHz | 16QAM | 39200 | 50RB#0 | NV | 20  | 3.23   | 0.001372  | ±2.5 | PASS |

## Appendix G: Modulation Characteristics

### Test Result

| Band                             | Bandwidth | Modulation | Channel | RB Configuration | Result | Verdict |
|----------------------------------|-----------|------------|---------|------------------|--------|---------|
| @FCC_Modulation_characteristics@ |           |            |         |                  |        |         |
| BandName                         | Bandwidth | Modulation | Channel | RBcfg            | Result | Verdict |

**Test Graphs**

|                                      |
|--------------------------------------|
| @FCC_Modulation_characteristics_IMG@ |
|                                      |