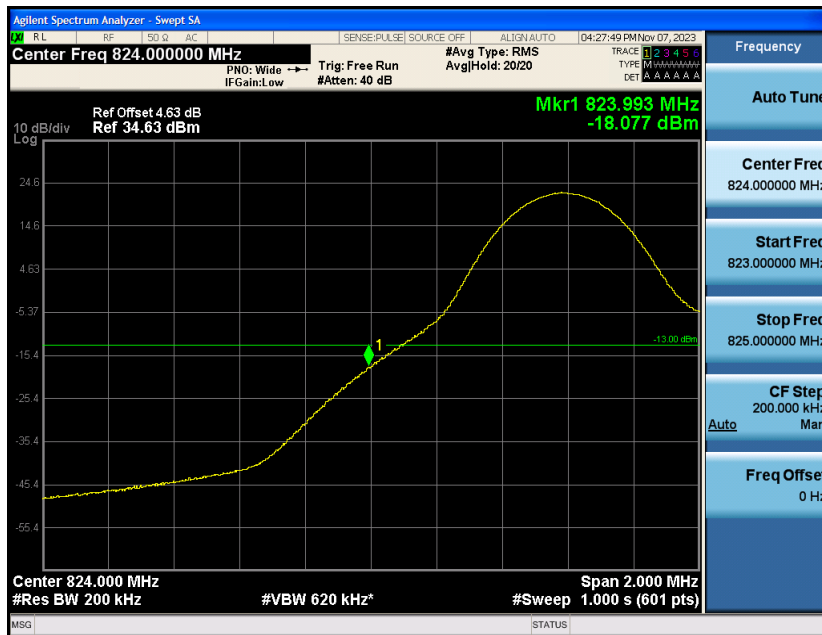




Band5-10MHz-QPSK-20450-1RB#0



Band5-10MHz-QPSK-20450-1RB#49



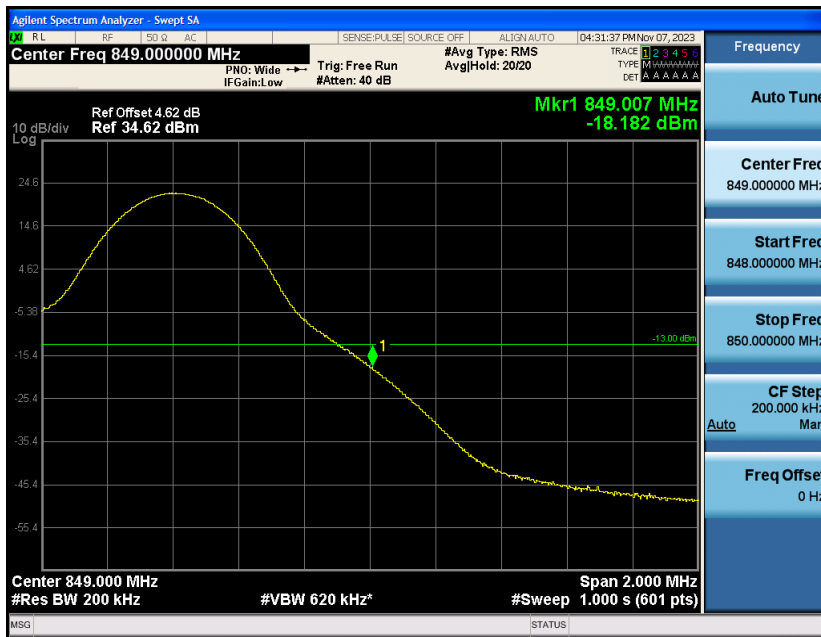
Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20600-1RB#0



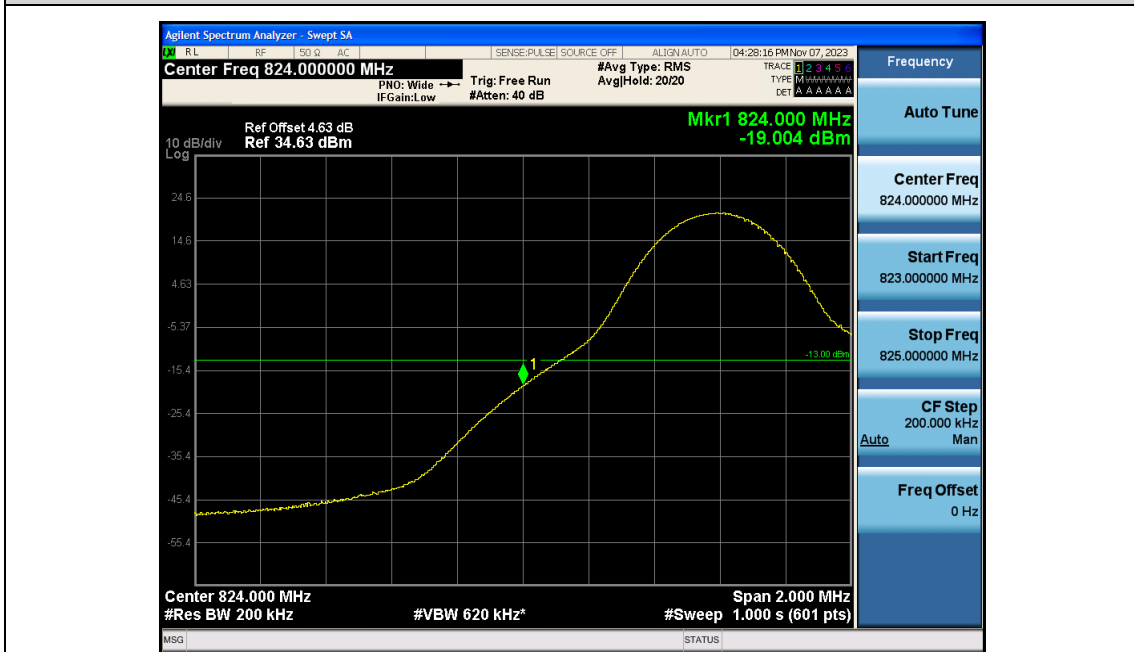
Band5-10MHz-QPSK-20600-1RB#49



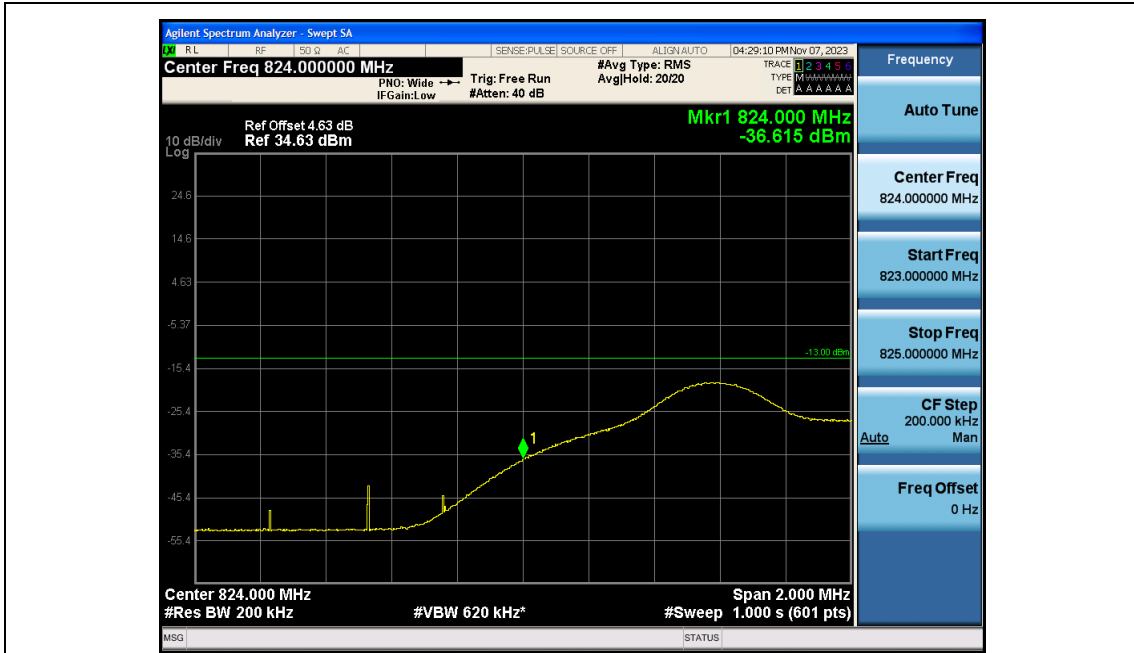
Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-1RB#0



Band5-10MHz-16QAM-20450-1RB#49



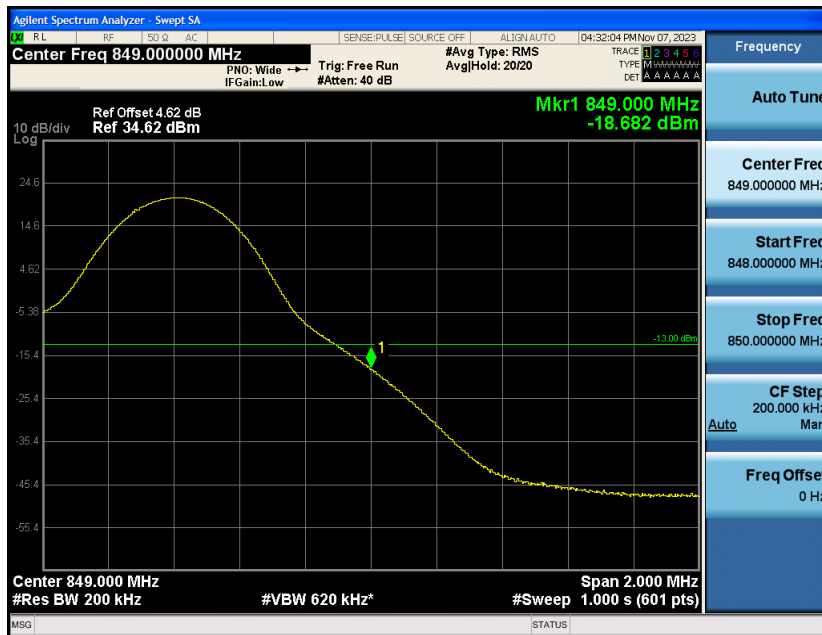
Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20600-1RB#0



Band5-10MHz-16QAM-20600-1RB#49



Band5-10MHz-16QAM-20600-50RB#0



## Appendix E: Conducted Spurious Emission

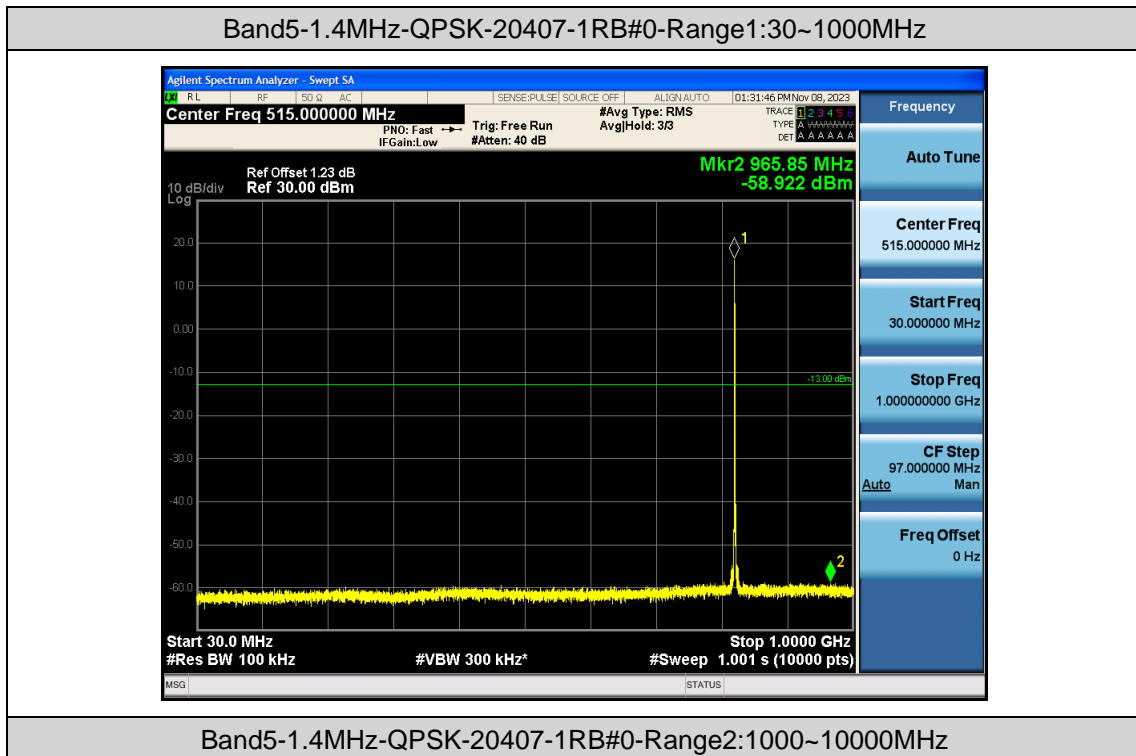
### Test Result

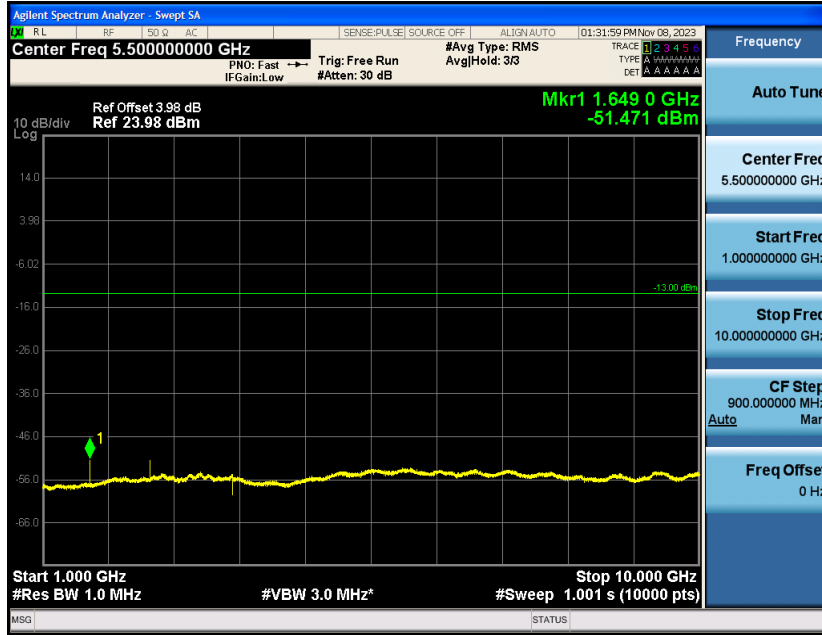
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range      | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | Range1:30~1000MHz    | -58.92       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20407   | 1RB#0            | Range2:1000~10000MHz | -51.47       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | Range1:30~1000MHz    | -58.75       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 1RB#0            | Range2:1000~10000MHz | -50.17       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | Range1:30~1000MHz    | -59.05       | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20643   | 1RB#0            | Range2:1000~10000MHz | -49.91       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | Range1:30~1000MHz    | -58.69       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20407   | 1RB#0            | Range2:1000~10000MHz | -52.03       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | Range1:30~1000MHz    | -58.85       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 1RB#0            | Range2:1000~10000MHz | -51.13       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | Range1:30~1000MHz    | -58.52       | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20643   | 1RB#0            | Range2:1000~10000MHz | -49.29       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | Range1:30~1000MHz    | -58.49       | PASS    |
| Band5 | 3MHz      | QPSK       | 20415   | 1RB#0            | Range2:1000~10000MHz | -51.35       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | Range1:30~1000MHz    | -58.83       | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 1RB#0            | Range2:1000~10000MHz | -50.7        | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#0            | Range1:30~1000MHz    | -58.98       | PASS    |
| Band5 | 3MHz      | QPSK       | 20635   | 1RB#0            | Range2:1000~10000MHz | -49.96       | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 1RB#0            | Range1:30~1000MHz    | -59.05       | PASS    |
| Band5 | 3MHz      | 16QAM      | 20415   | 1RB#0            | Range2:1000~10000MHz | -51.82       | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 1RB#0            | Range1:30~1000MHz    | -58.7        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 1RB#0            | Range2:1000~10000MHz | -51.99       | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 1RB#0            | Range1:30~1000MHz    | -59.03       | PASS    |
| Band5 | 3MHz      | 16QAM      | 20635   | 1RB#0            | Range2:1000~10000MHz | -51.32       | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 1RB#0            | Range1:30~1000MHz    | -58.67       | PASS    |
| Band5 | 5MHz      | QPSK       | 20425   | 1RB#0            | Range2:1000~10000MHz | -50.91       | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 1RB#0            | Range1:30~1000MHz    | -58.58       | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 1RB#0            | Range2:1000~10000MHz | -50.83       | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 1RB#0            | Range1:30~1000MHz    | -58.57       | PASS    |
| Band5 | 5MHz      | QPSK       | 20625   | 1RB#0            | Range2:1000~10000MHz | -51.26       | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 1RB#0            | Range1:30~1000MHz    | -58.43       | PASS    |
| Band5 | 5MHz      | 16QAM      | 20425   | 1RB#0            | Range2:1000~10000MHz | -52.23       | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 1RB#0            | Range1:30~1000MHz    | -58.83       | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 1RB#0            | Range2:1000~10000MHz | -51.26       | PASS    |
| Band5 | 5MHz      | 16QAM      | 20625   | 1RB#0            | Range1:30~1000MHz    | -58.53       | PASS    |



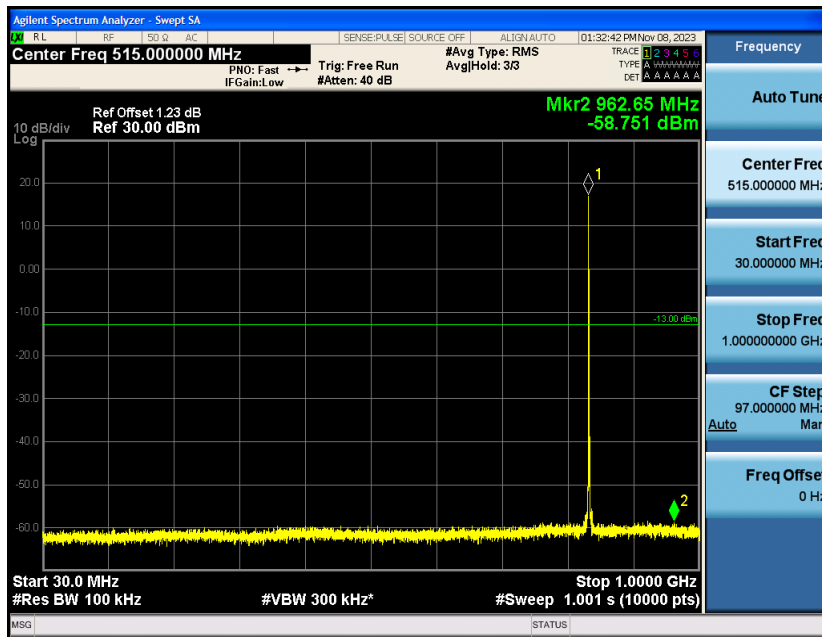
|       |       |       |       |       |                      |        |      |
|-------|-------|-------|-------|-------|----------------------|--------|------|
| Band5 | 5MHz  | 16QAM | 20625 | 1RB#0 | Range2:1000~10000MHz | -51.76 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0 | Range1:30~1000MHz    | -58.94 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 1RB#0 | Range2:1000~10000MHz | -50.68 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0 | Range1:30~1000MHz    | -59    | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 1RB#0 | Range2:1000~10000MHz | -51.88 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0 | Range1:30~1000MHz    | -58.58 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 1RB#0 | Range2:1000~10000MHz | -49.89 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | Range1:30~1000MHz    | -58.8  | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 1RB#0 | Range2:1000~10000MHz | -52.08 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0 | Range1:30~1000MHz    | -58.93 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 1RB#0 | Range2:1000~10000MHz | -53.07 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | Range1:30~1000MHz    | -58.95 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 1RB#0 | Range2:1000~10000MHz | -50.74 | PASS |

### Test Graphs

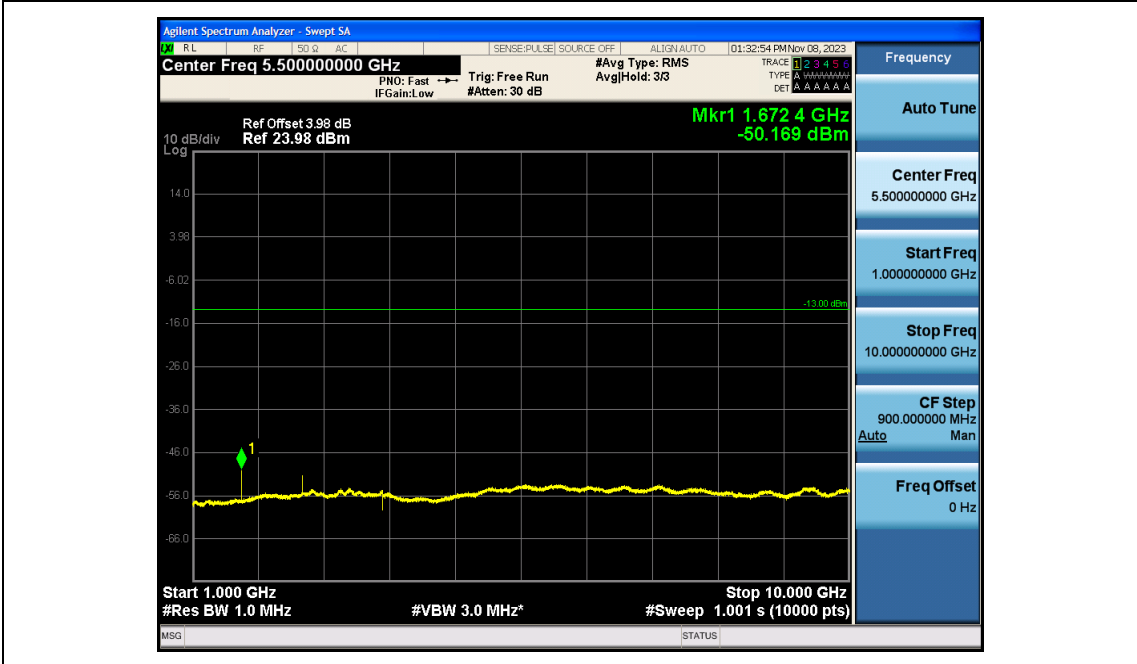




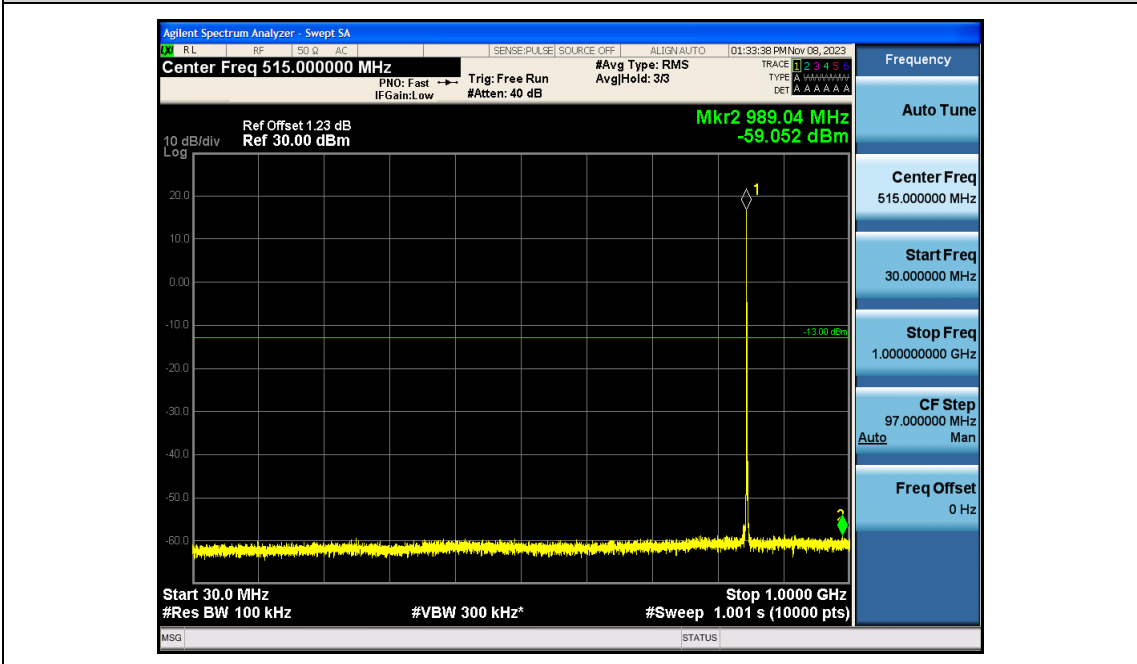
Band5-1.4MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



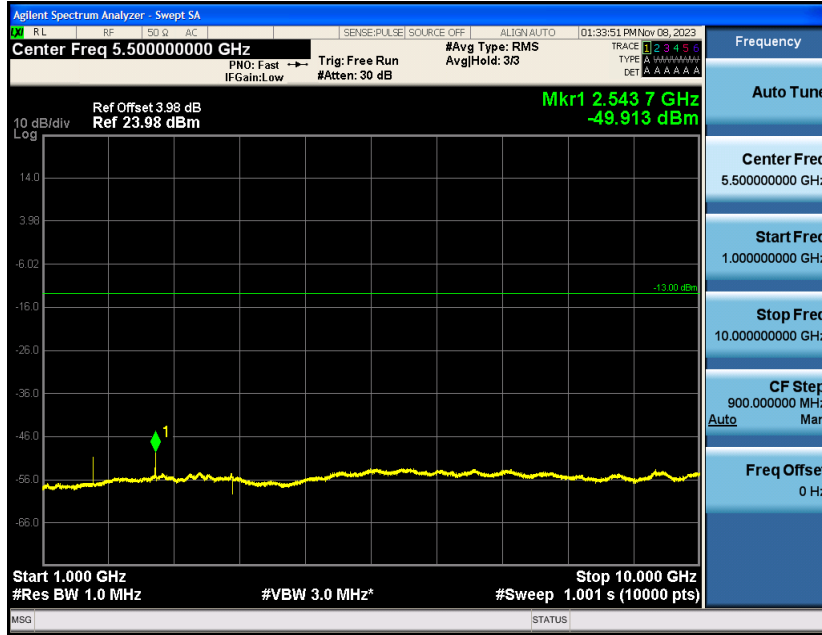
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



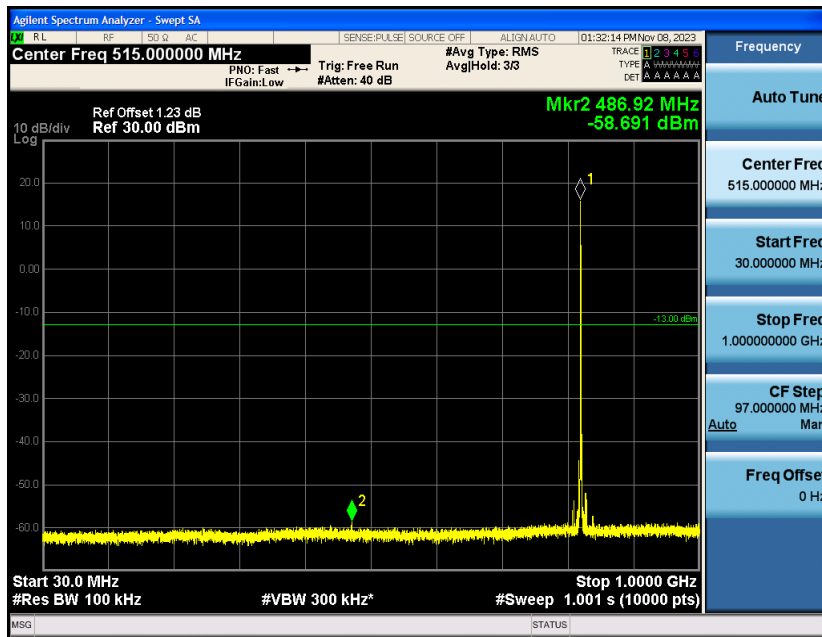
Band5-1.4MHz-QPSK-20643-1RB#0-Range1:30~1000MHz



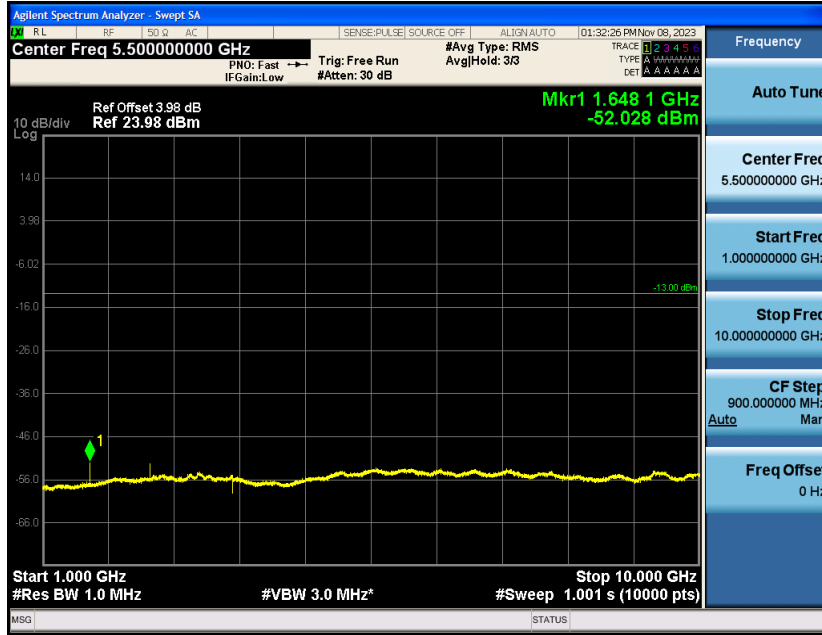
Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz



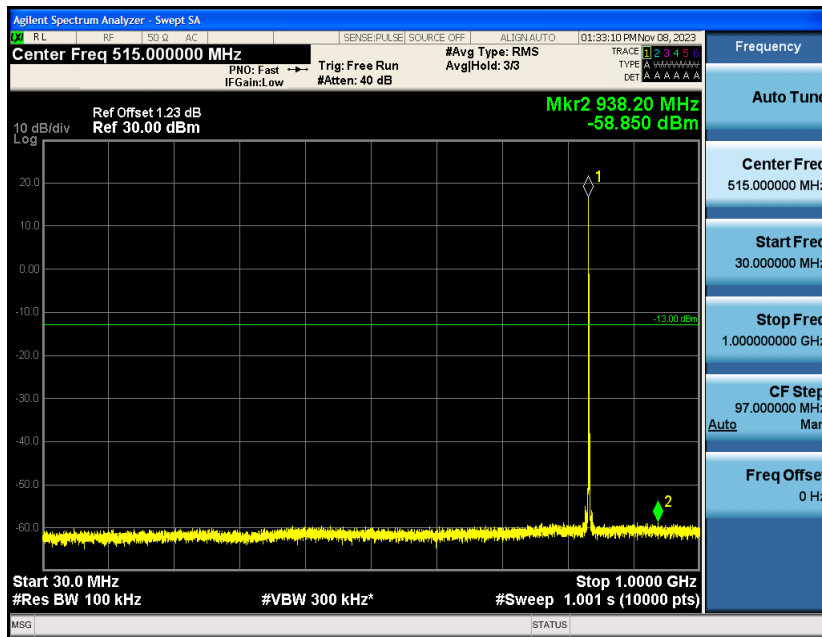
Band5-1.4MHz-16QAM-20407-1RB#0-Range1:30~1000MHz



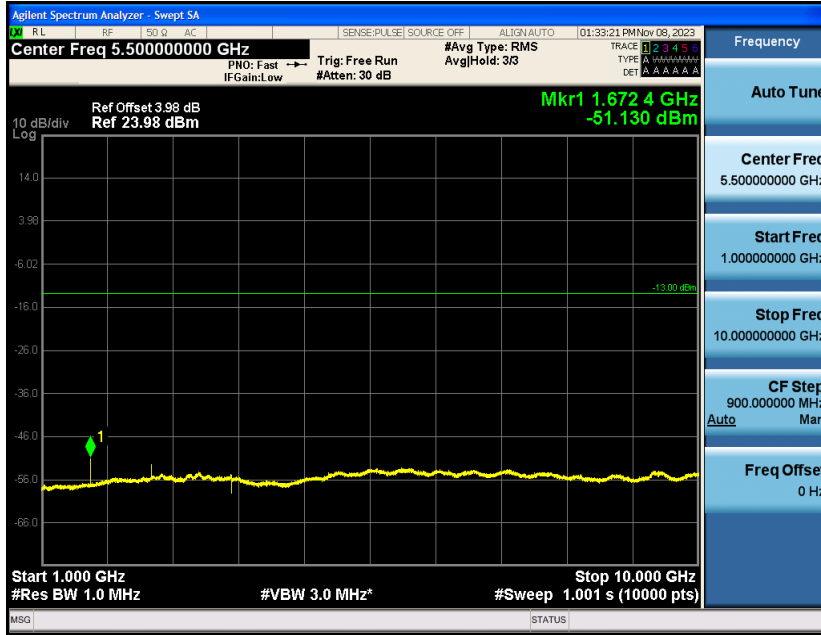
Band5-1.4MHz-16QAM-20407-1RB#0-Range2:1000~10000MHz



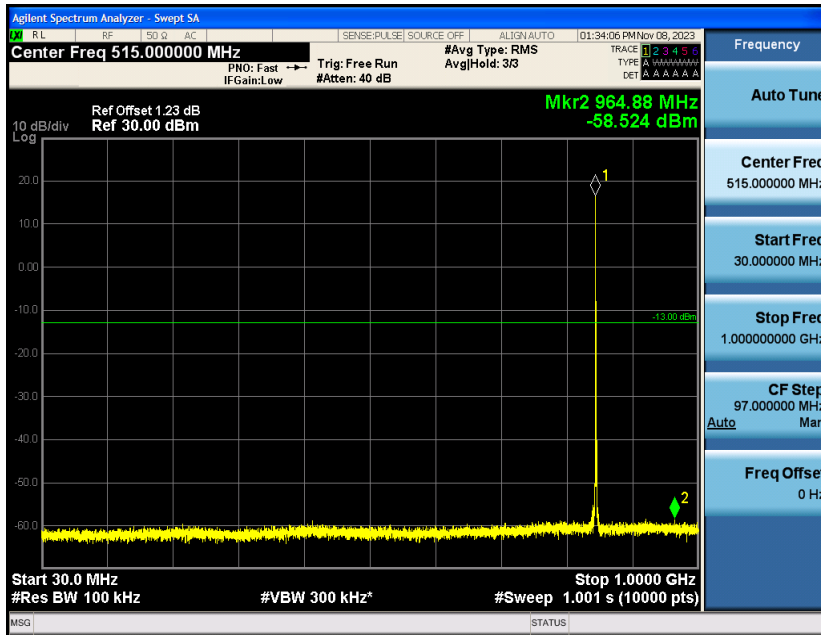
Band5-1.4MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



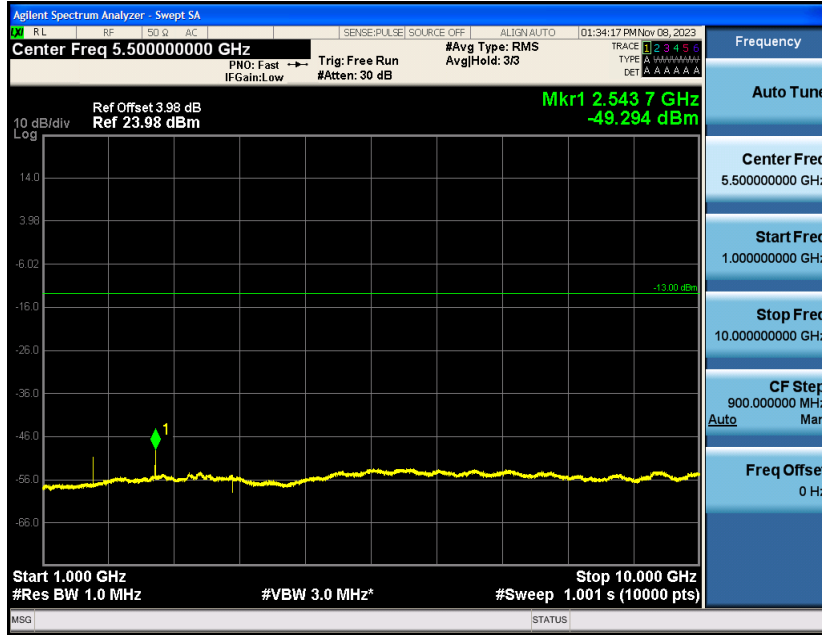
Band5-1.4MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



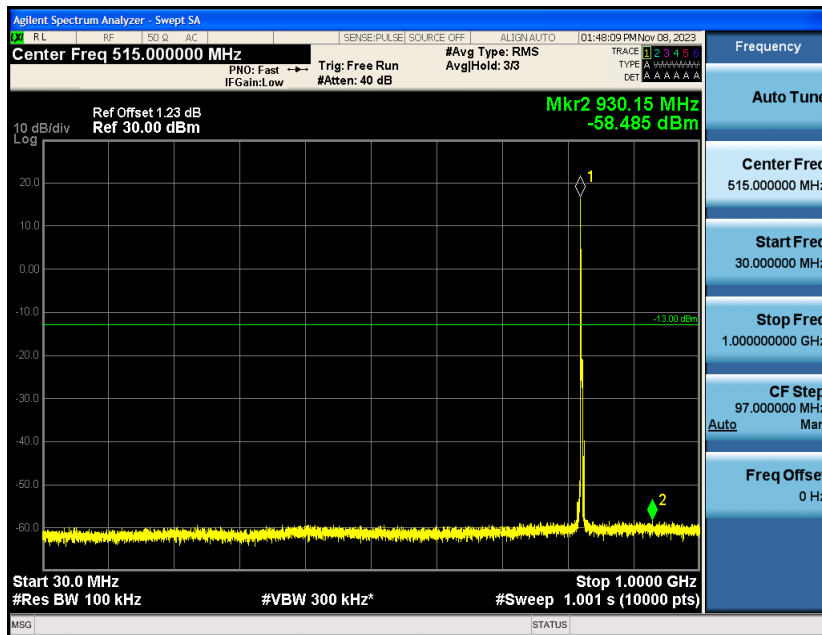
Band5-1.4MHz-16QAM-20643-1RB#0-Range1:30~1000MHz



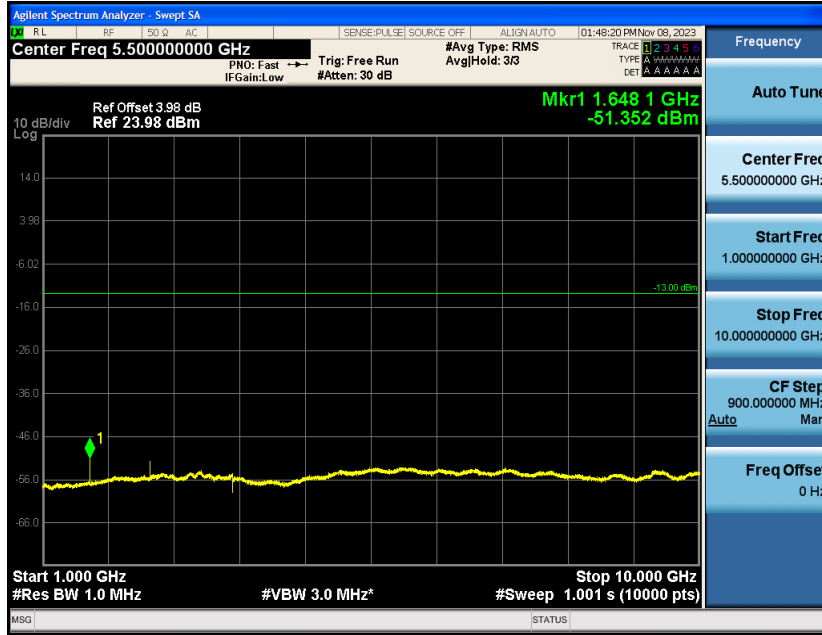
Band5-1.4MHz-16QAM-20643-1RB#0-Range2:1000~10000MHz



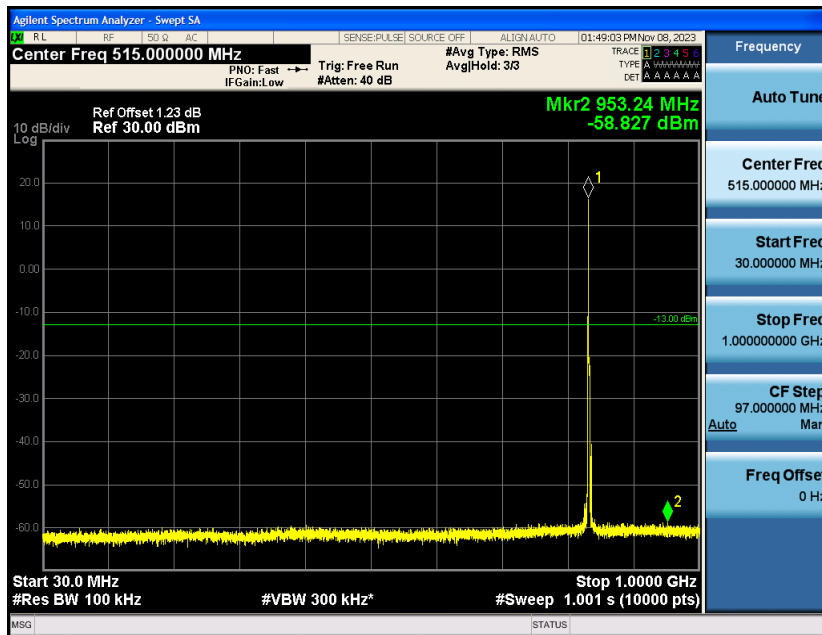
Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz



Band5-3MHz-QPSK-20415-1RB#0-Range2:1000~10000MHz

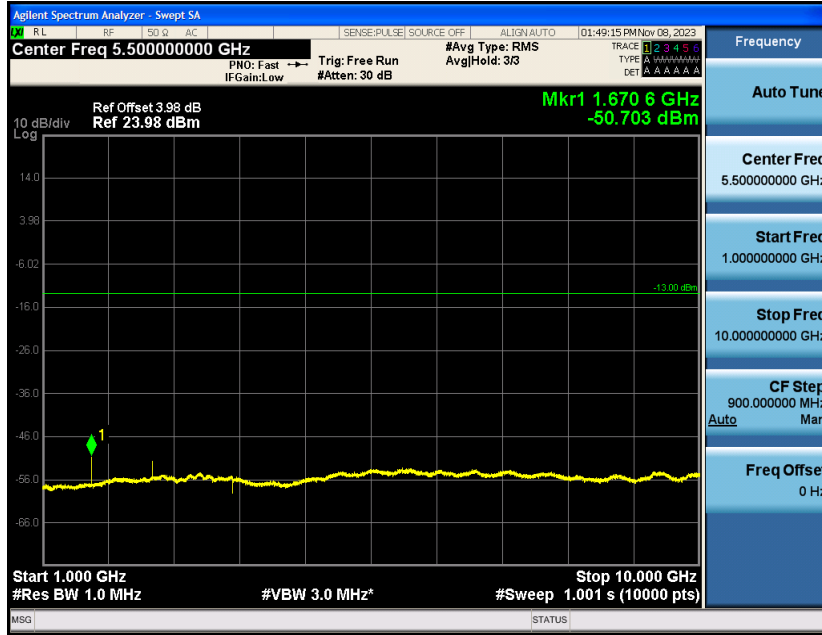


Band5-3MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

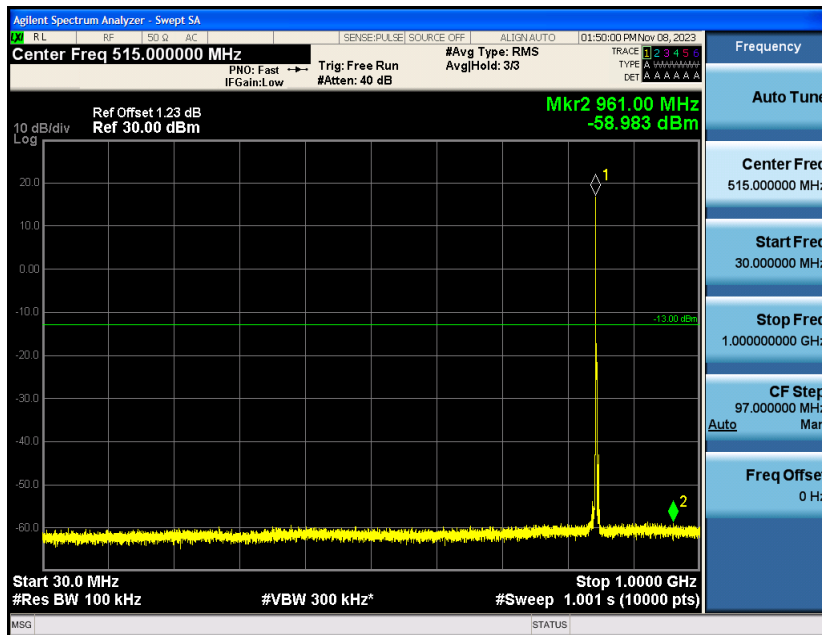


Band5-3MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz

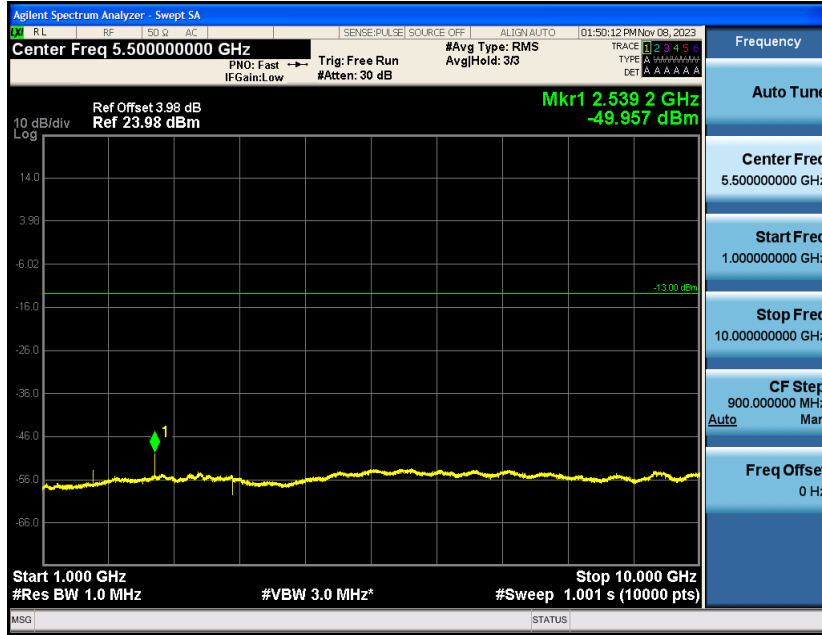




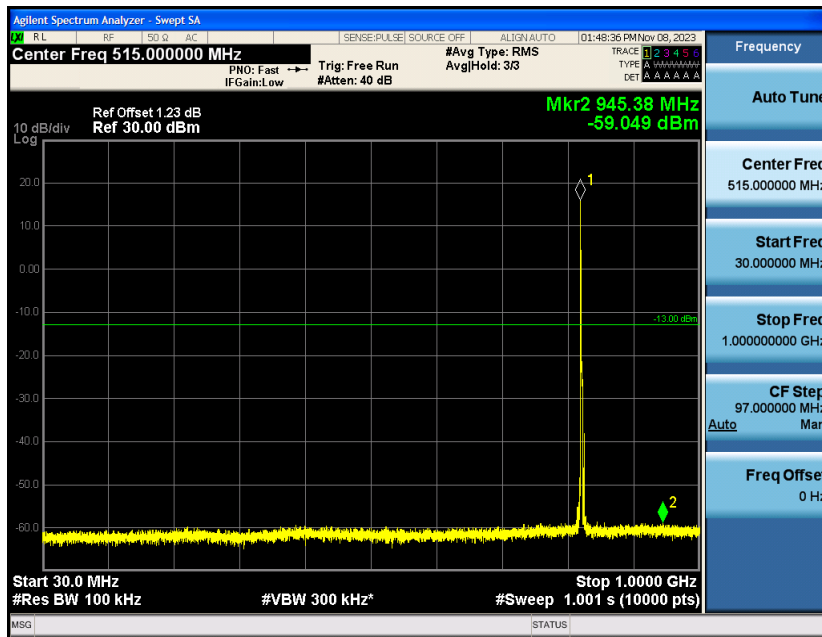
Band5-3MHz-QPSK-20635-1RB#0-Range1:30~1000MHz



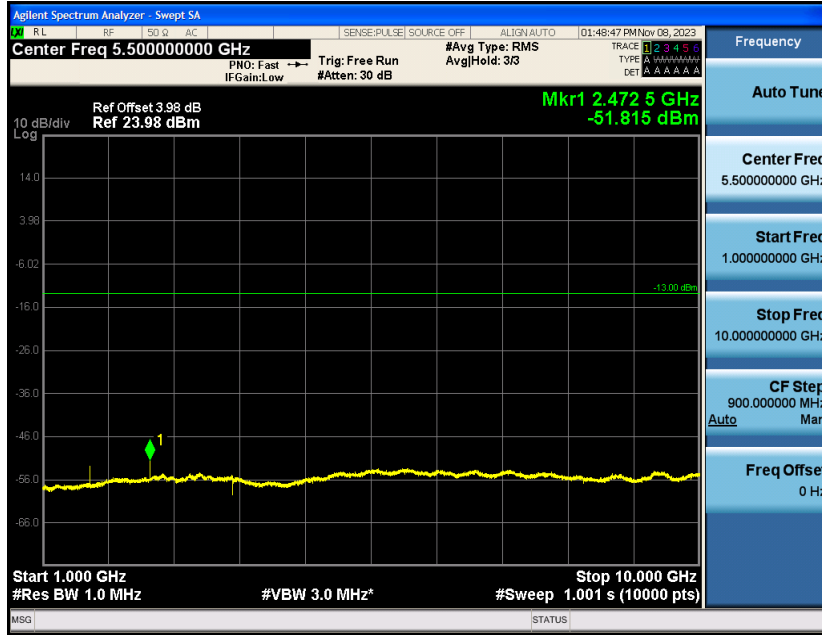
Band5-3MHz-QPSK-20635-1RB#0-Range2:1000~10000MHz



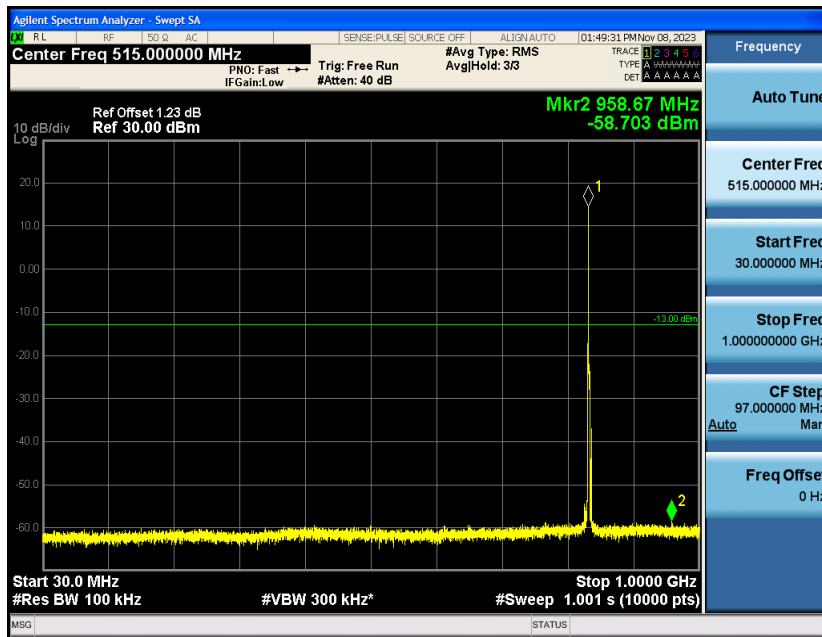
Band5-3MHz-16QAM-20415-1RB#0-Range1:30~100MHz



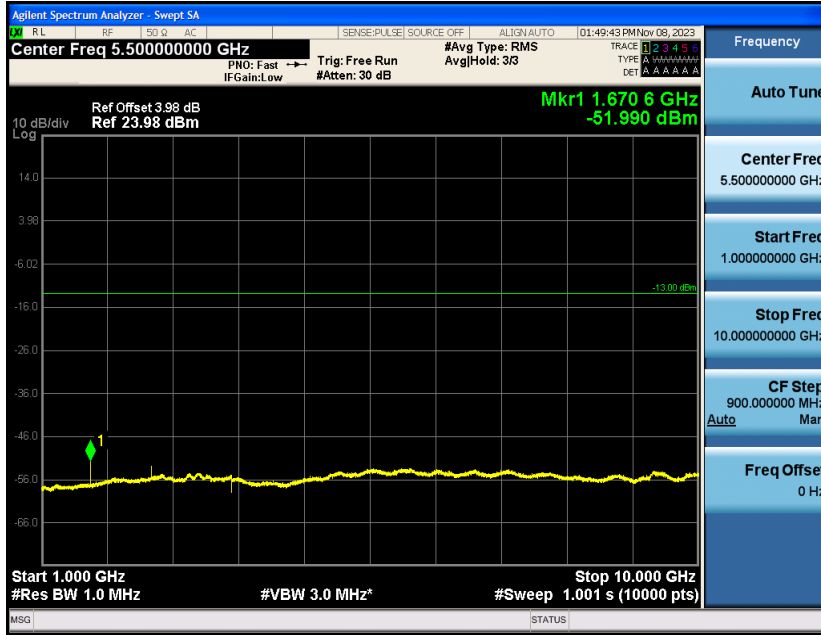
Band5-3MHz-16QAM-20415-1RB#0-Range2:1000~10000MHz



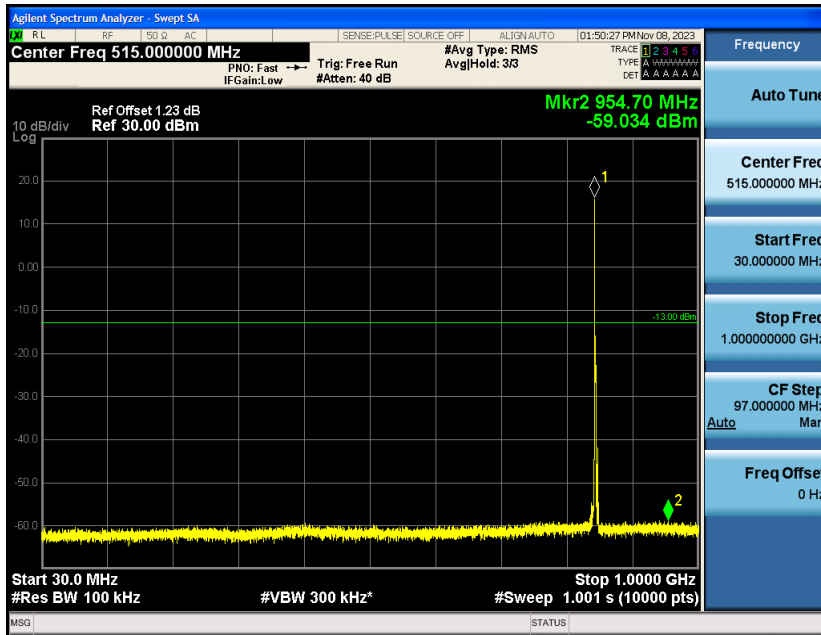
Band5-3MHz-16QAM-20525-1RB#0-Range1:30~100MHz



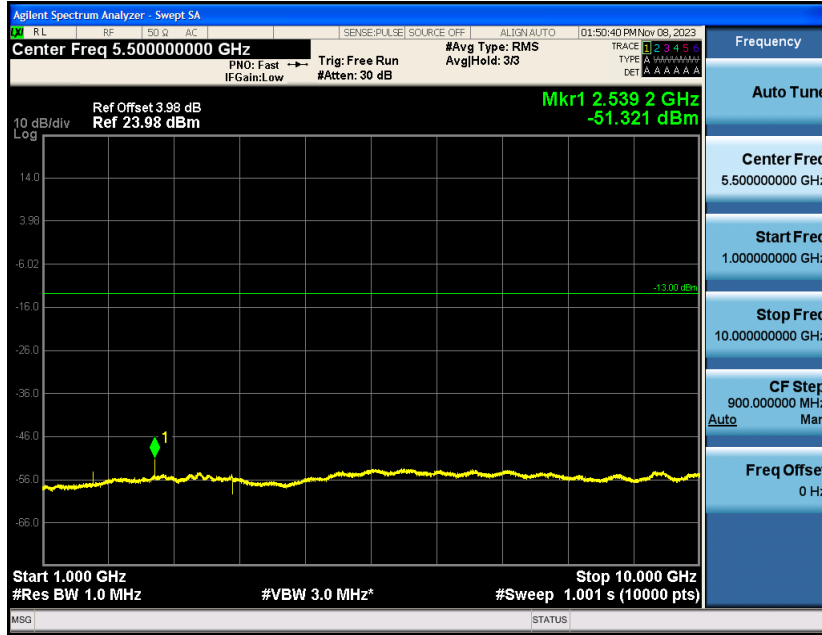
Band5-3MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



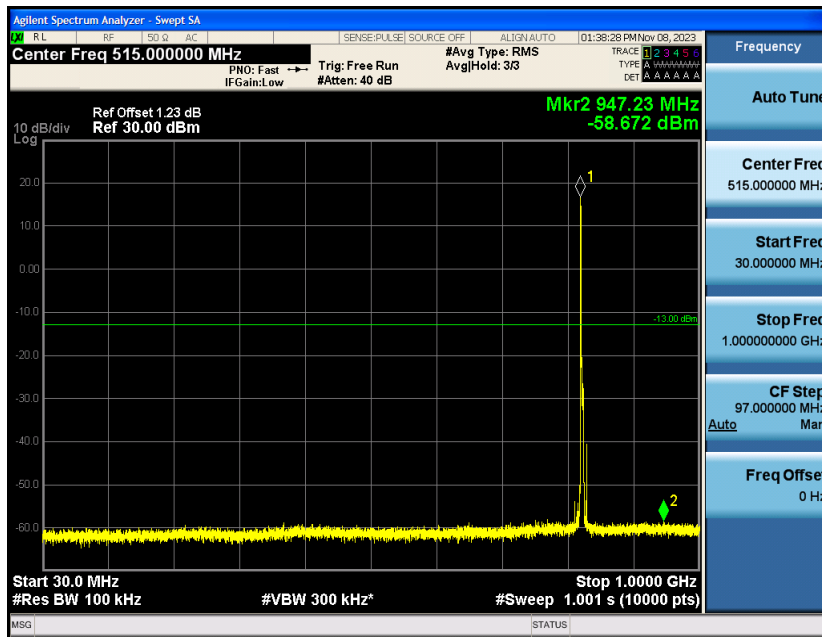
Band5-3MHz-16QAM-20635-1RB#0-Range1:30~100MHz



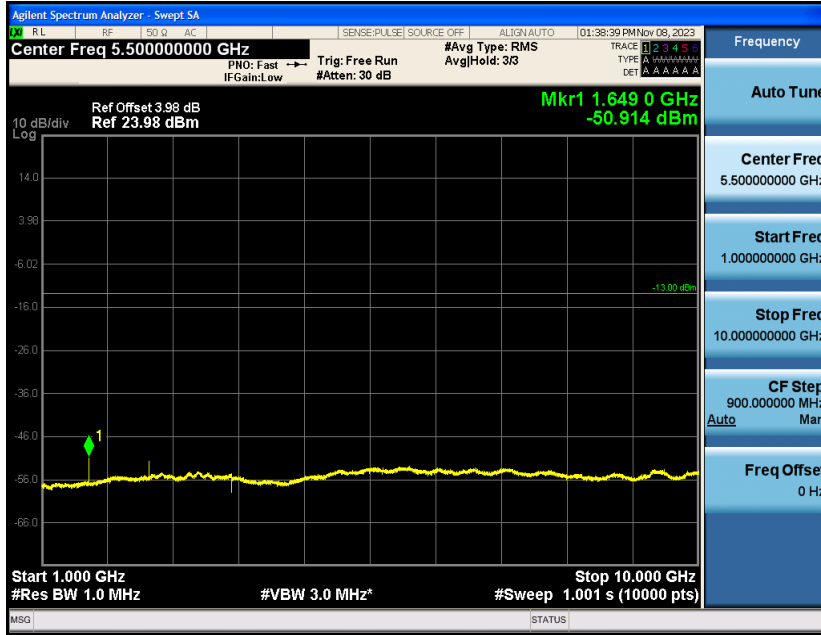
Band5-3MHz-16QAM-20635-1RB#0-Range2:1000~10000MHz



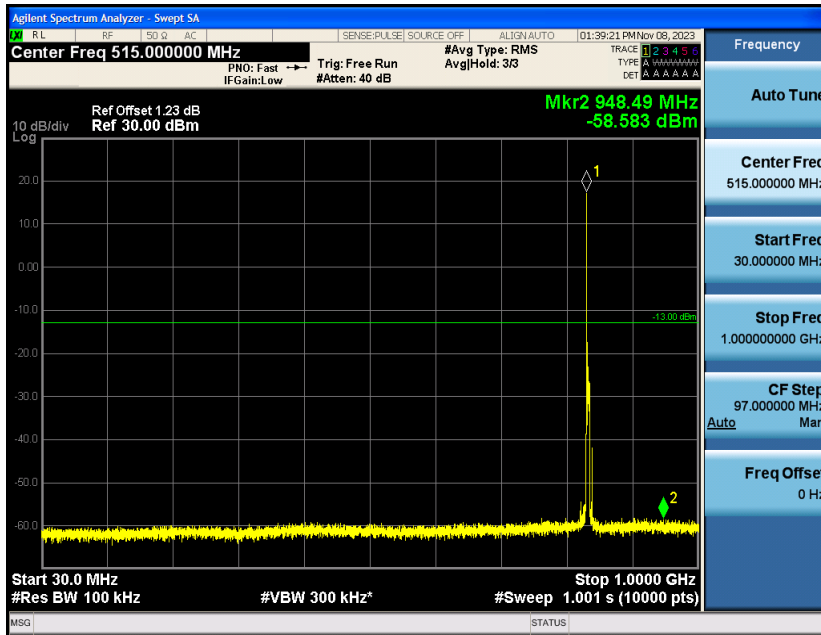
Band5-5MHz-QPSK-20425-1RB#0-Range1:30~1000MHz



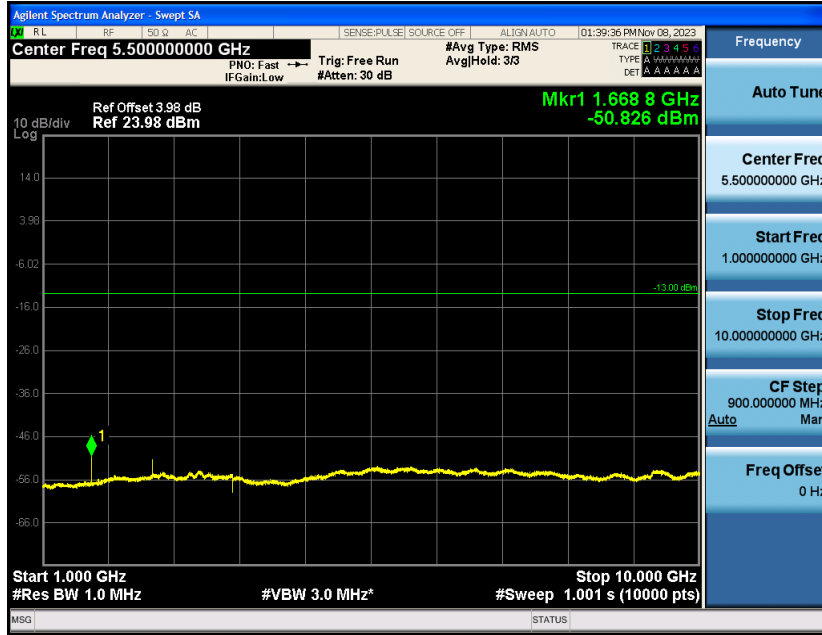
Band5-5MHz-QPSK-20425-1RB#0-Range2:1000~10000MHz



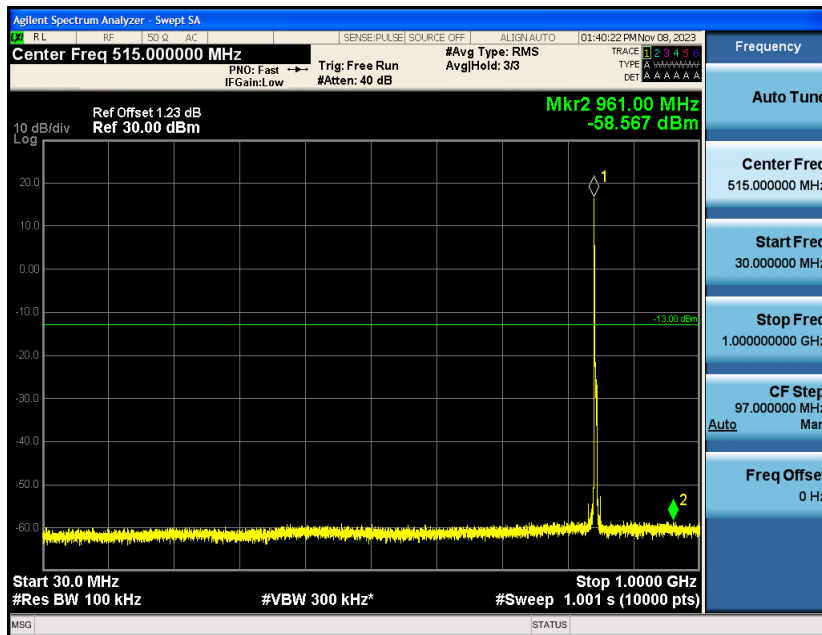
Band5-5MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



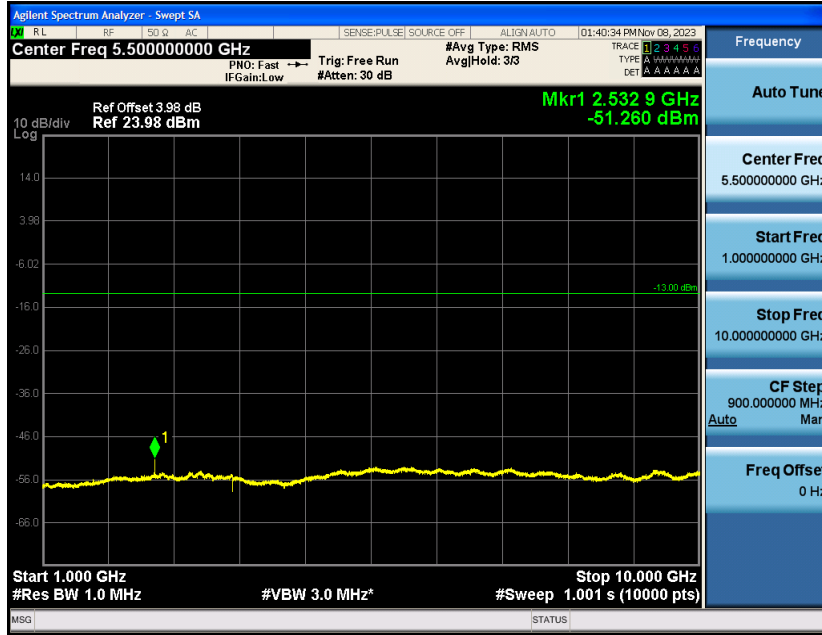
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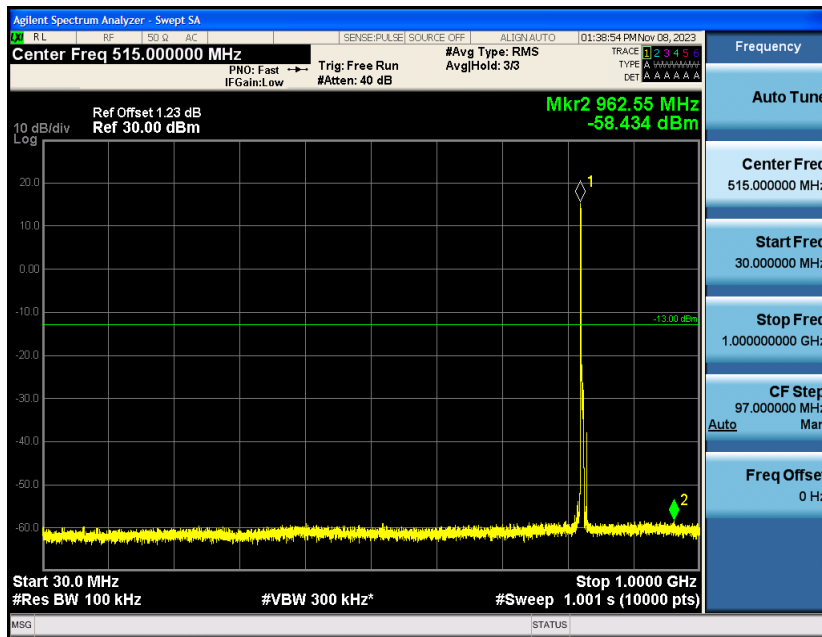
Band5-5MHz-QPSK-20625-1RB#0-Range1:30~1000MHz



Band5-5MHz-QPSK-20625-1RB#0-Range2:1000~10000MHz

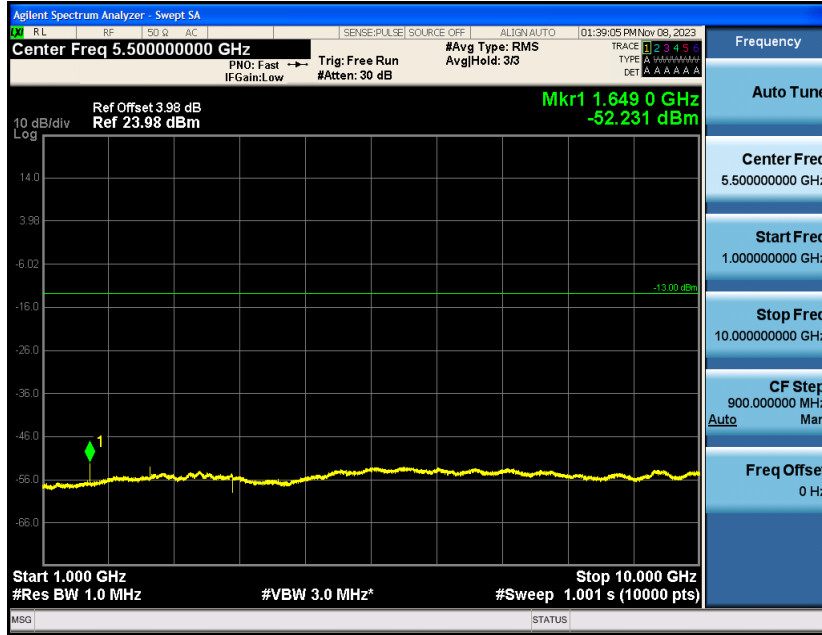


Band5-5MHz-16QAM-20425-1RB#0-Range1:30~100MHz

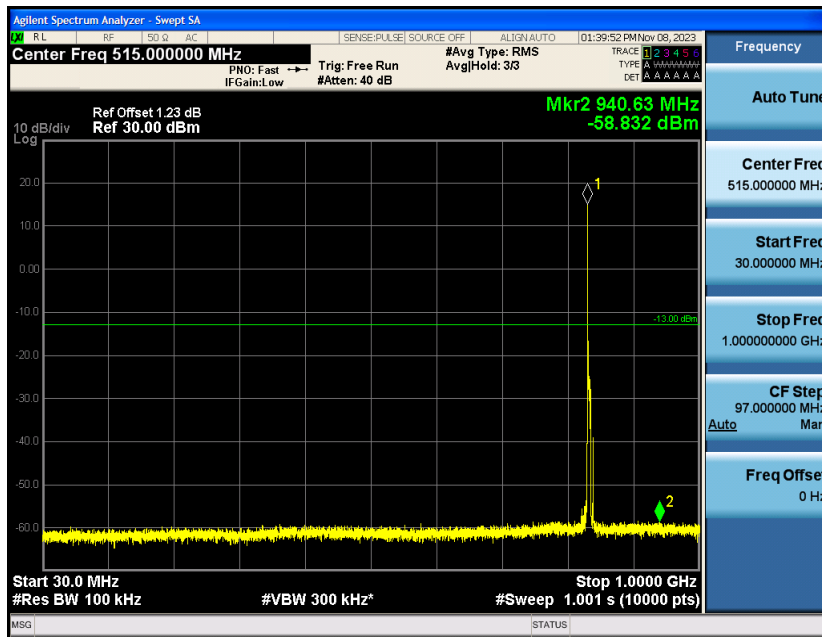


Band5-5MHz-16QAM-20425-1RB#0-Range2:1000~10000MHz

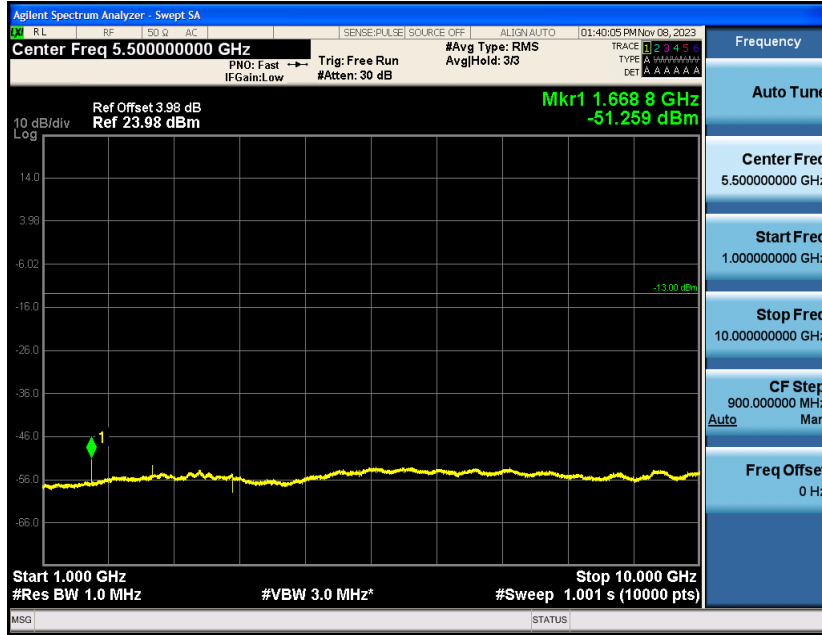




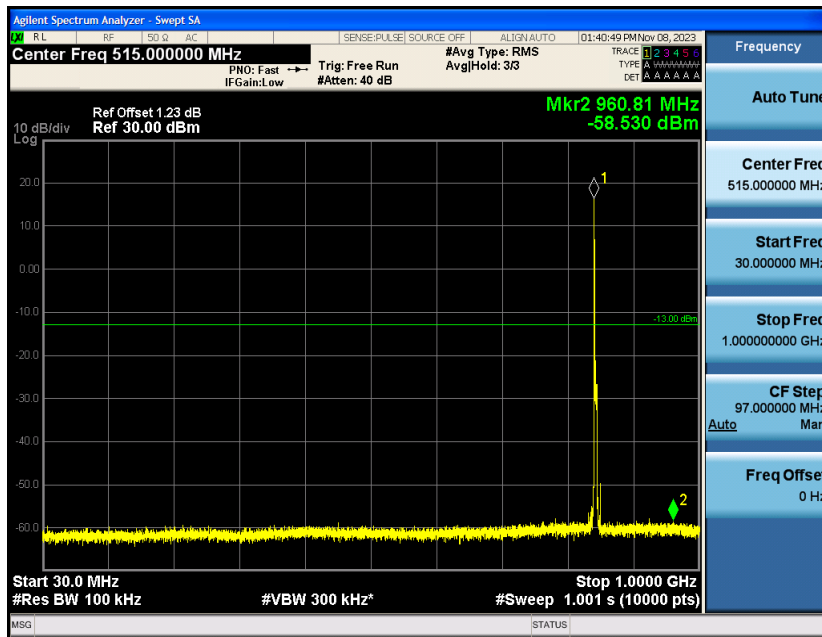
Band5-5MHz-16QAM-20525-1RB#0-Range1:30~100MHz



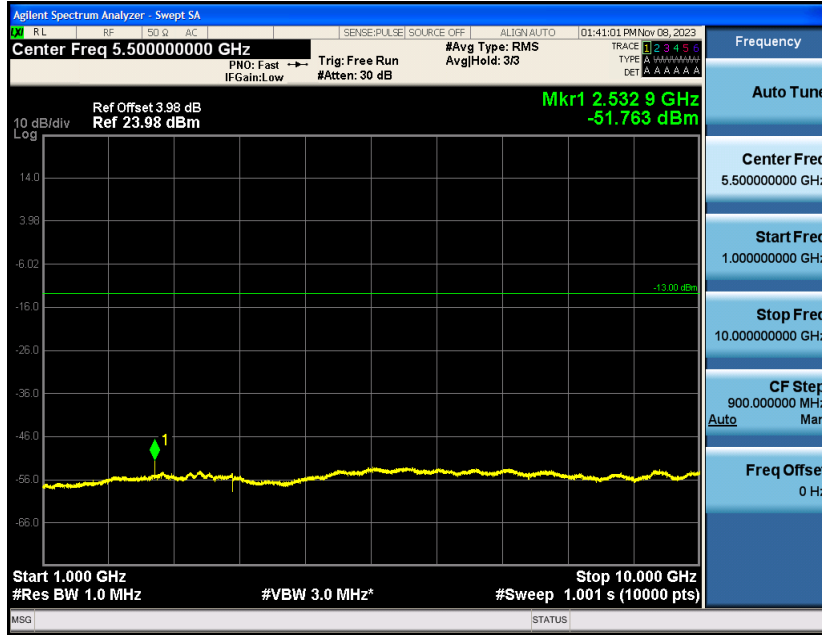
Band5-5MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



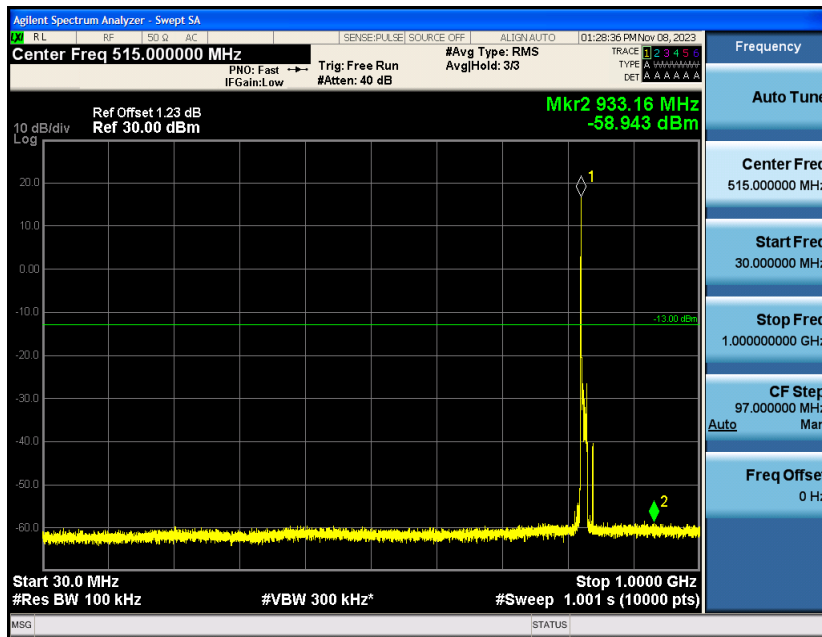
Band5-5MHz-16QAM-20625-1RB#0-Range1:30~100MHz



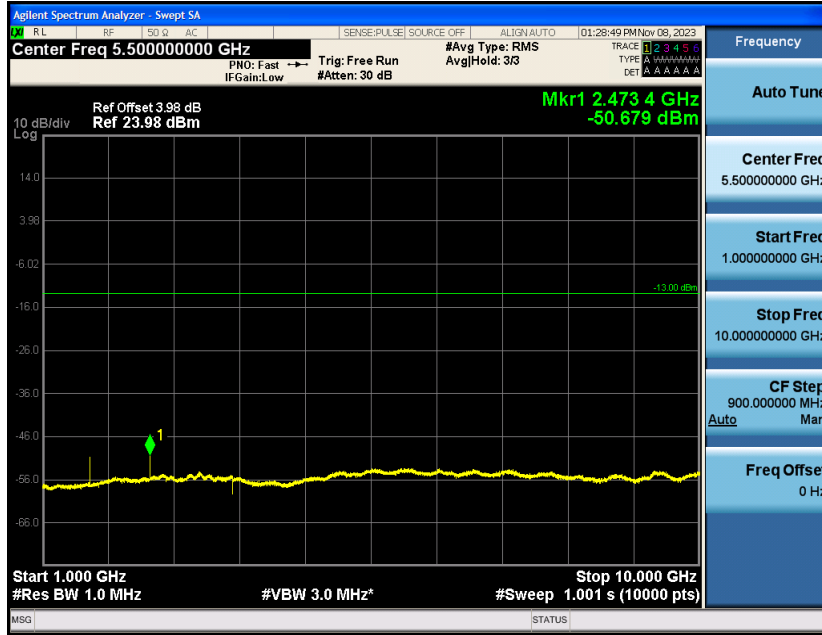
Band5-5MHz-16QAM-20625-1RB#0-Range2:1000~10000MHz



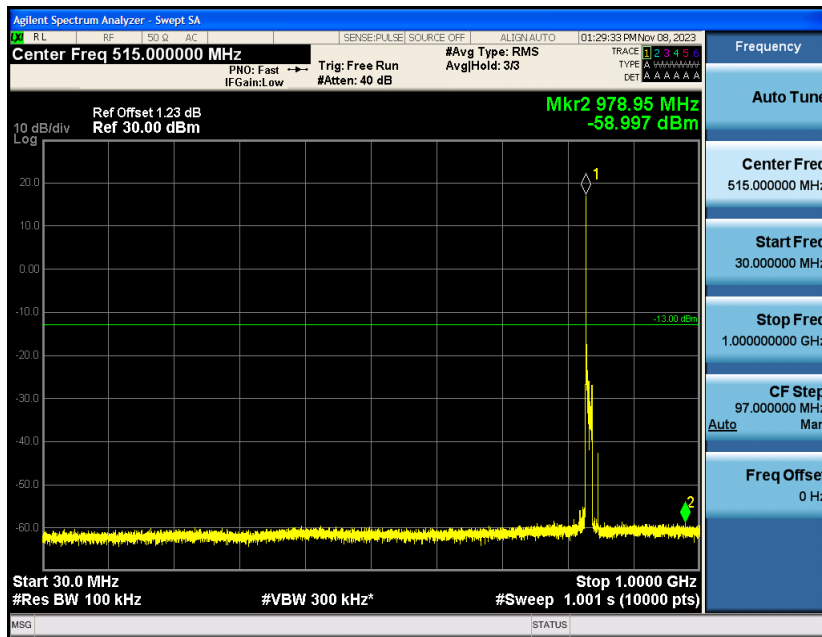
Band5-10MHz-QPSK-20450-1RB#0-Range1:30~1000MHz



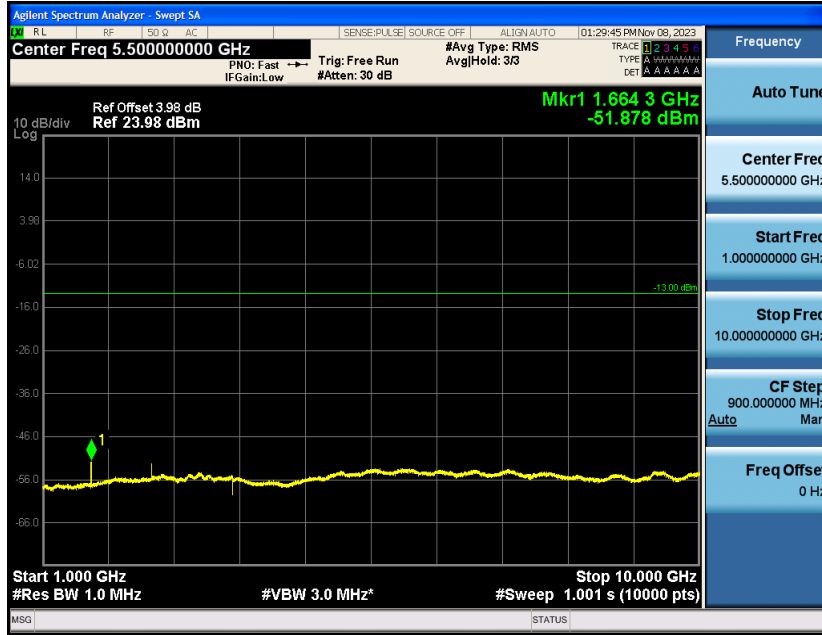
Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz



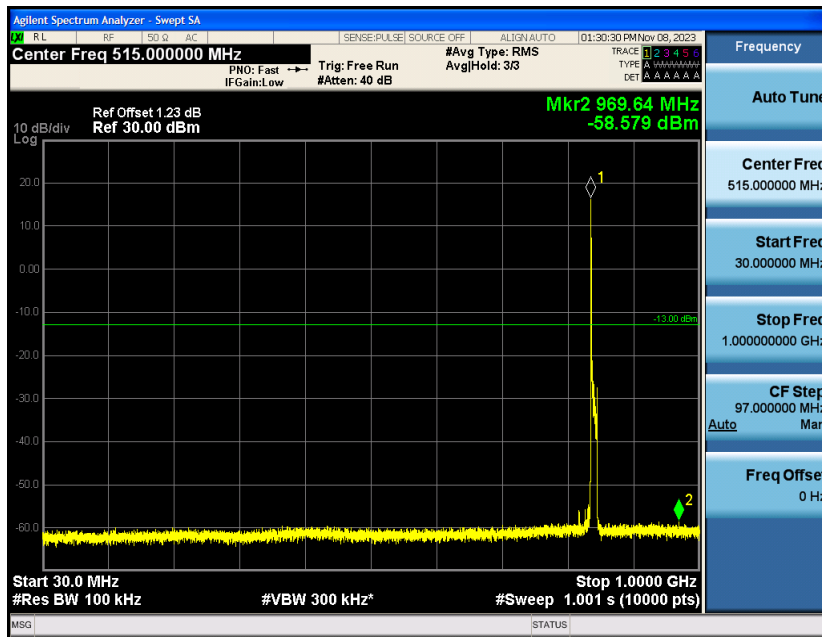
Band5-10MHz-QPSK-20525-1RB#0-Range1:30~100MHz



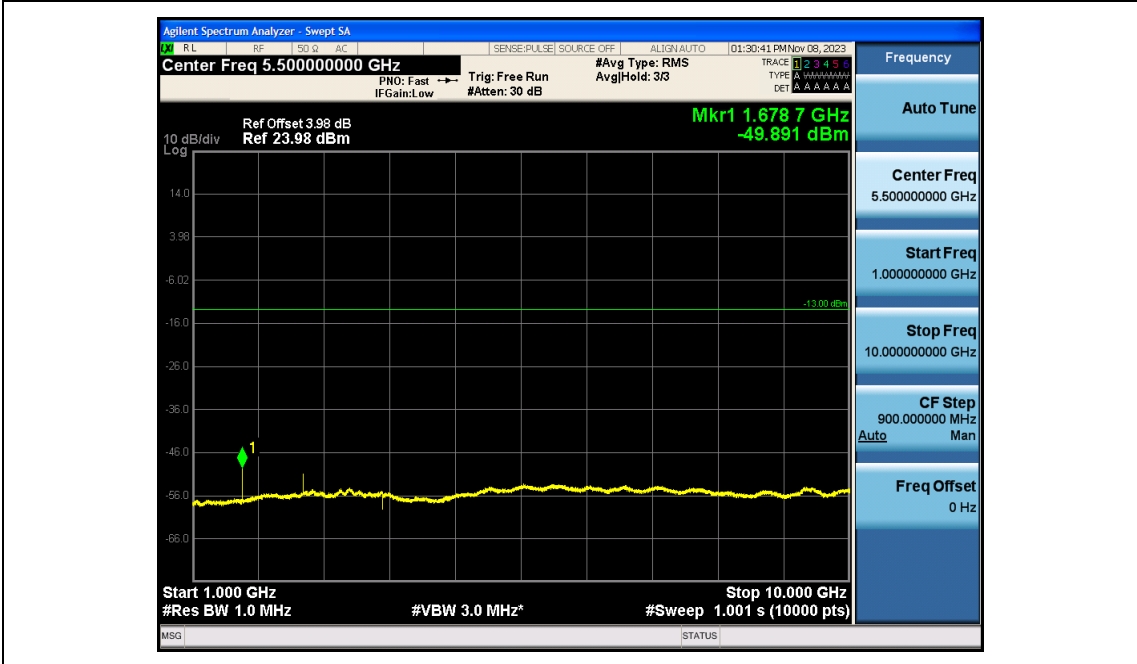
Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



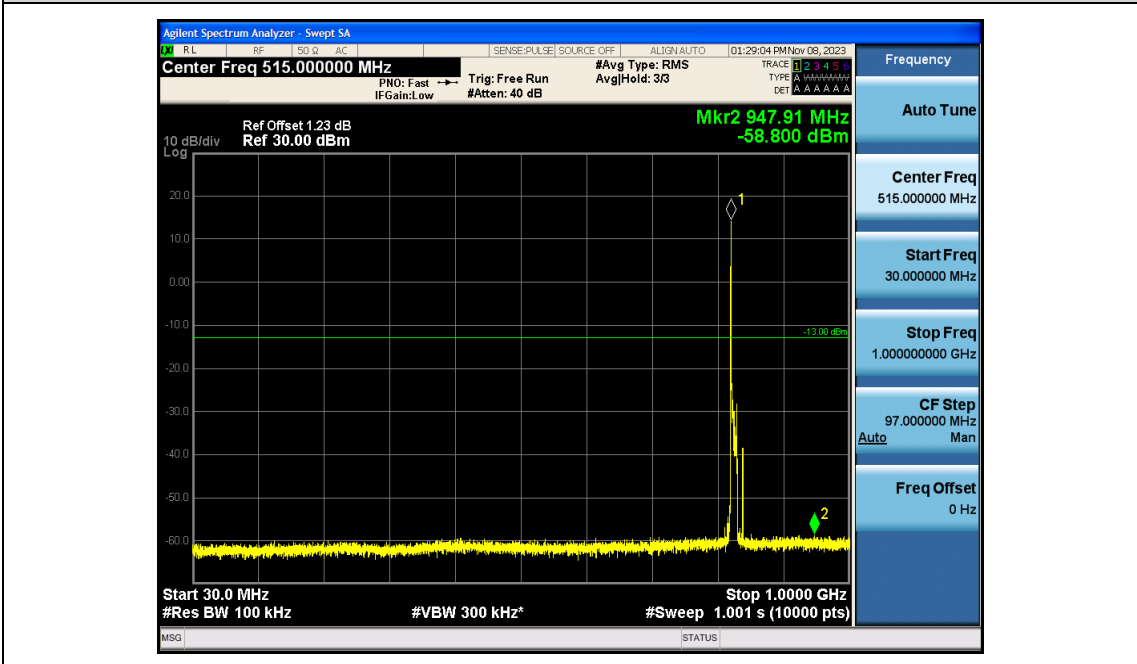
Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz



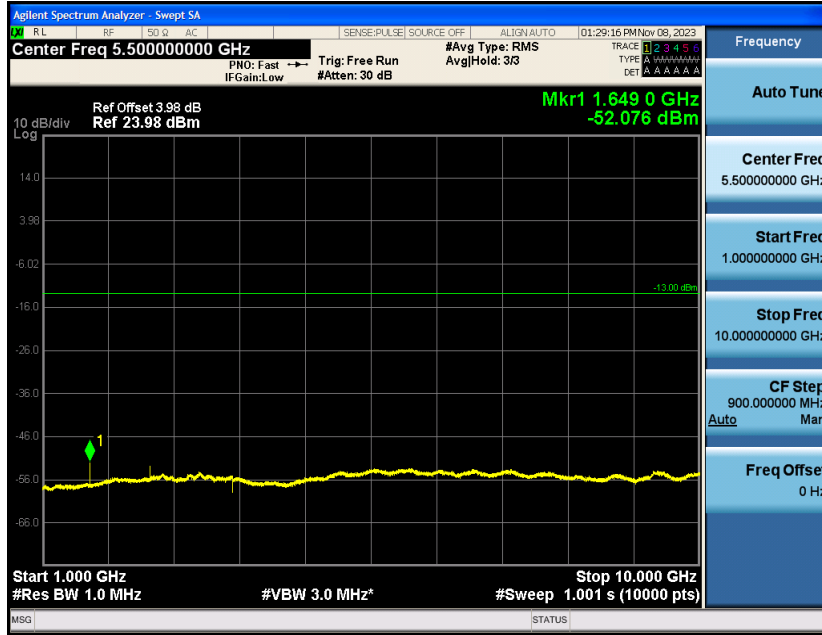
Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz



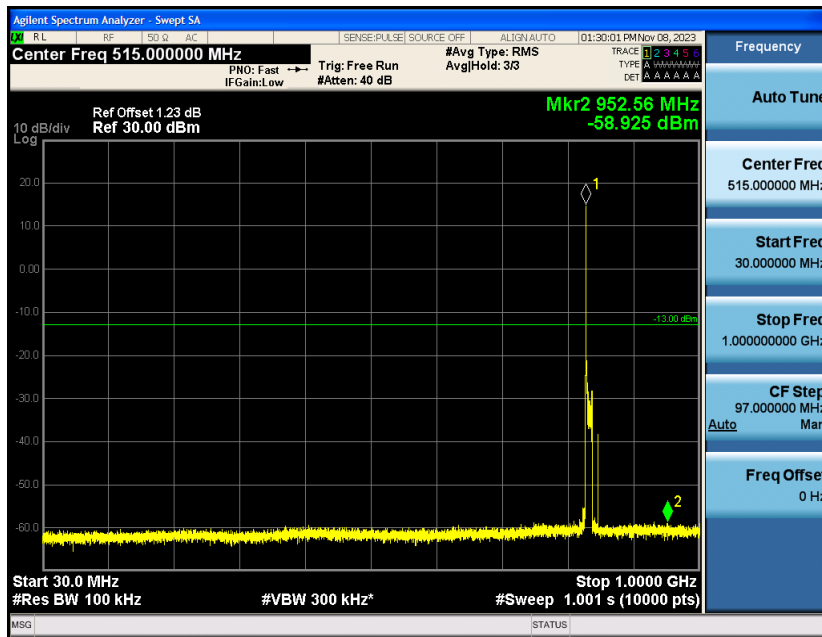
Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



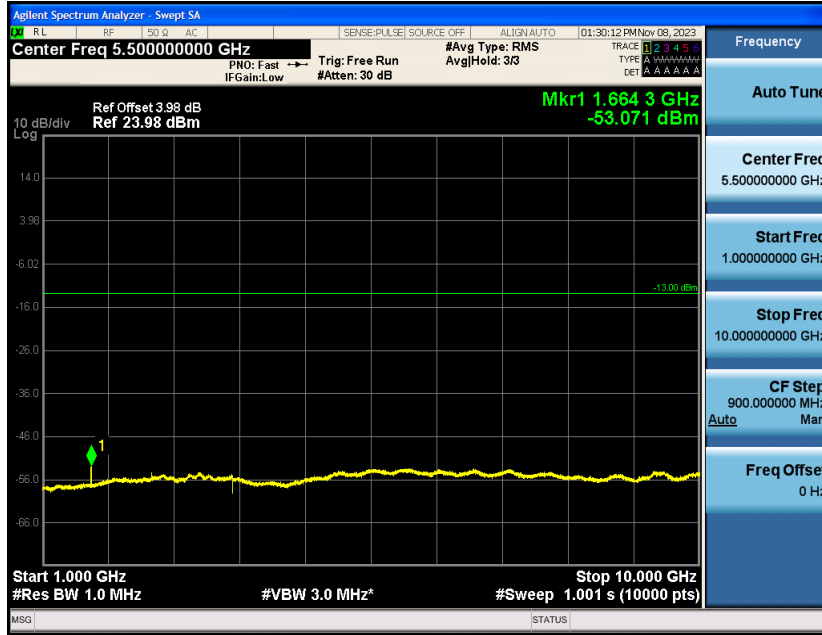
Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz



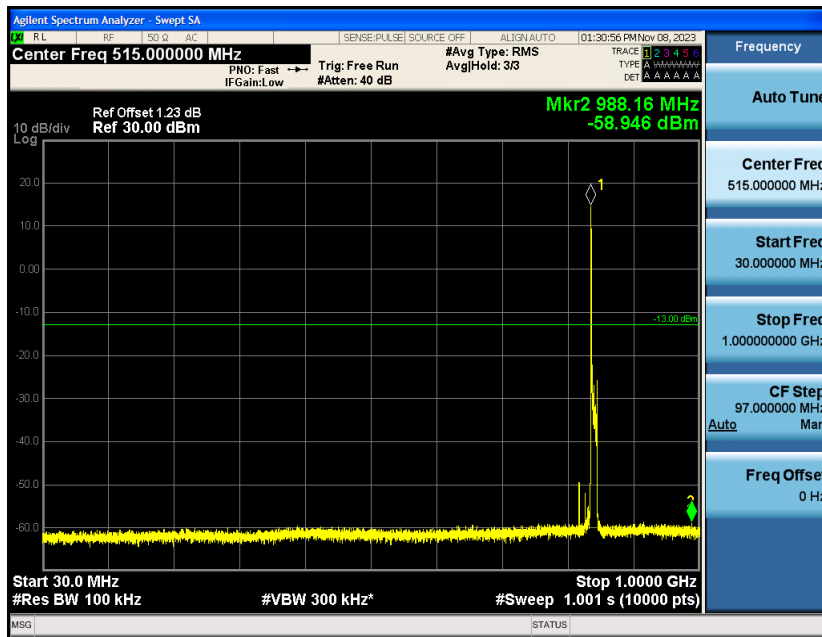
Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz

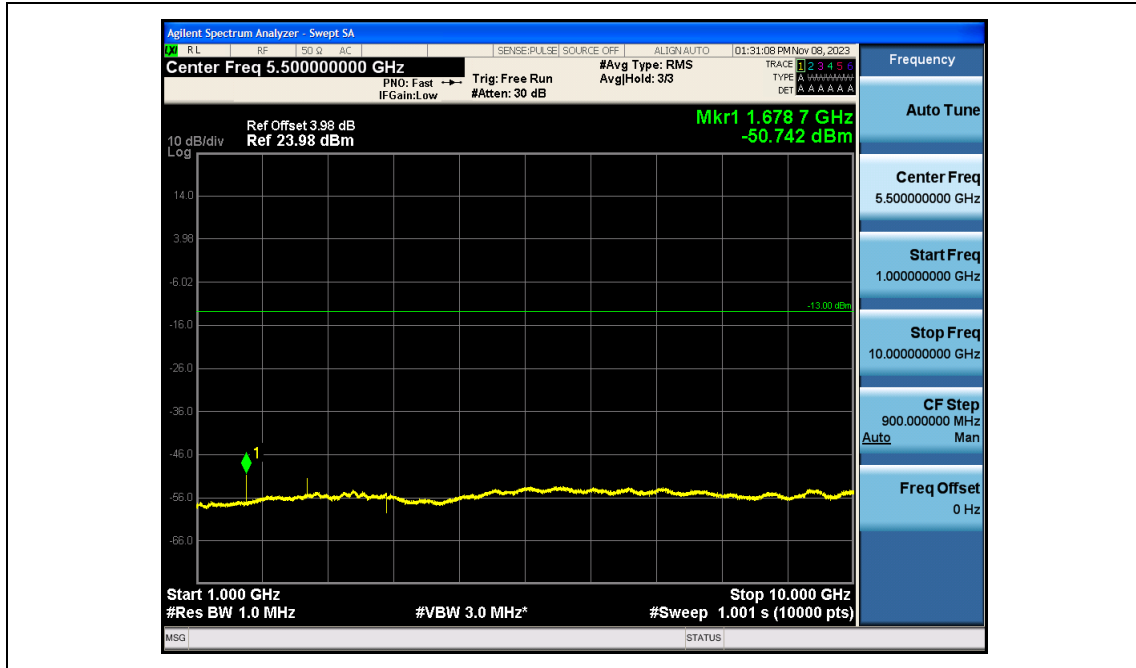


Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz





## Appendix F: Frequency Stability

### Test Result

| Voltage |           |            |         |              |               |                  |                |                 |             |         |
|---------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band    | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | VL            | NT               | -15.29         | -0.018544       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | VN            | NT               | -16.50         | -0.020004       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20407   | 6RB#0        | VH            | NT               | -20.43         | -0.024768       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | VL            | NT               | -5.87          | -0.007016       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | VN            | NT               | 6.36           | 0.007605        | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20525   | 6RB#0        | VH            | NT               | -11.34         | -0.013560       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20643   | 6RB#0        | VL            | NT               | -19.18         | -0.022612       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20643   | 6RB#0        | VN            | NT               | -12.23         | -0.014413       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | QPSK       | 20643   | 6RB#0        | VH            | NT               | -30.15         | -0.035543       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20407   | 6RB#0        | VL            | NT               | -16.95         | -0.020549       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20407   | 6RB#0        | VN            | NT               | -15.92         | -0.019306       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20407   | 6RB#0        | VH            | NT               | -13.98         | -0.016957       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20525   | 6RB#0        | VL            | NT               | -5.31          | -0.006347       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20525   | 6RB#0        | VN            | NT               | -9.79          | -0.011700       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20525   | 6RB#0        | VH            | NT               | 5.23           | 0.006249        | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20643   | 6RB#0        | VL            | NT               | -1.86          | -0.002191       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20643   | 6RB#0        | VN            | NT               | -0.03          | -0.000038       | ±2.5        | PASS    |
| Band5   | 1.4MHz    | 16QAM      | 20643   | 6RB#0        | VH            | NT               | -1.32          | -0.001552       | ±2.5        | PASS    |
| Band5   | 3MHz      | QPSK       | 20415   | 15RB#0       | VL            | NT               | -20.75         | -0.025142       | ±2.5        | PASS    |
| Band5   | 3MHz      | QPSK       | 20415   | 15RB#0       | VN            | NT               | -14.30         | -0.017321       | ±2.5        | PASS    |
| Band5   | 3MHz      | QPSK       | 20415   | 15RB#0       | VH            | NT               | -44.70         | -0.054149       | ±2.5        | PASS    |
| Band5   | 3MHz      | QPSK       | 20525   | 15RB#0       | VL            | NT               | -18.58         | -0.022217       | ±2.5        | PASS    |
| Band5   | 3MHz      | QPSK       | 20525   | 15RB#0       | VN            | NT               | -9.18          | -0.010977       | ±2.5        | PASS    |
| Band5   | 3MHz      | QPSK       | 20525   | 15RB#0       | VH            | NT               | -17.10         | -0.020446       | ±2.5        | PASS    |
| Band5   | 3MHz      | QPSK       | 20635   | 15RB#0       | VL            | NT               | -18.33         | -0.021627       | ±2.5        | PASS    |
| Band5   | 3MHz      | QPSK       | 20635   | 15RB#0       | VN            | NT               | -14.85         | -0.017527       | ±2.5        | PASS    |
| Band5   | 3MHz      | QPSK       | 20635   | 15RB#0       | VH            | NT               | -23.51         | -0.027741       | ±2.5        | PASS    |
| Band5   | 3MHz      | 16QAM      | 20415   | 15RB#0       | VL            | NT               | -35.15         | -0.042575       | ±2.5        | PASS    |
| Band5   | 3MHz      | 16QAM      | 20415   | 15RB#0       | VN            | NT               | -28.88         | -0.034984       | ±2.5        | PASS    |
| Band5   | 3MHz      | 16QAM      | 20415   | 15RB#0       | VH            | NT               | -34.61         | -0.041927       | ±2.5        | PASS    |
| Band5   | 3MHz      | 16QAM      | 20525   | 15RB#0       | VL            | NT               | -17.16         | -0.020513       | ±2.5        | PASS    |
| Band5   | 3MHz      | 16QAM      | 20525   | 15RB#0       | VN            | NT               | -15.27         | -0.018258       | ±2.5        | PASS    |
| Band5   | 3MHz      | 16QAM      | 20525   | 15RB#0       | VH            | NT               | -11.32         | -0.013538       | ±2.5        | PASS    |
| Band5   | 3MHz      | 16QAM      | 20635   | 15RB#0       | VL            | NT               | -26.26         | -0.030989       | ±2.5        | PASS    |

|       |       |       |       |        |    |    |        |           |      |      |
|-------|-------|-------|-------|--------|----|----|--------|-----------|------|------|
| Band5 | 3MHz  | 16QAM | 20635 | 15RB#0 | VN | NT | -38.24 | -0.045124 | ±2.5 | PASS |
| Band5 | 3MHz  | 16QAM | 20635 | 15RB#0 | VH | NT | -32.82 | -0.038723 | ±2.5 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 25RB#0 | VL | NT | -25.79 | -0.031204 | ±2.5 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 25RB#0 | VN | NT | -12.91 | -0.015623 | ±2.5 | PASS |
| Band5 | 5MHz  | QPSK  | 20425 | 25RB#0 | VH | NT | -25.00 | -0.030249 | ±2.5 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 25RB#0 | VL | NT | -7.73  | -0.009241 | ±2.5 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 25RB#0 | VN | NT | -2.10  | -0.002511 | ±2.5 | PASS |
| Band5 | 5MHz  | QPSK  | 20525 | 25RB#0 | VH | NT | -15.96 | -0.019083 | ±2.5 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 25RB#0 | VL | NT | -8.41  | -0.009932 | ±2.5 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 25RB#0 | VN | NT | -5.55  | -0.006559 | ±2.5 | PASS |
| Band5 | 5MHz  | QPSK  | 20625 | 25RB#0 | VH | NT | -19.57 | -0.023118 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 25RB#0 | VL | NT | -39.09 | -0.047295 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 25RB#0 | VN | NT | -46.69 | -0.056496 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20425 | 25RB#0 | VH | NT | -29.86 | -0.036132 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | VL | NT | -30.85 | -0.036885 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | VN | NT | -40.35 | -0.048235 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | VH | NT | -22.80 | -0.027253 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | VL | NT | -2.08  | -0.002454 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | VN | NT | -12.02 | -0.014201 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | VH | NT | 5.65   | 0.006672  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | VL | NT | -13.36 | -0.016113 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | VN | NT | -26.19 | -0.031598 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | VH | NT | -45.97 | -0.055457 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | VL | NT | -16.69 | -0.019947 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | VN | NT | 4.93   | 0.005890  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | VH | NT | -30.15 | -0.036044 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | VL | NT | -12.59 | -0.014917 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | VN | NT | -3.15  | -0.003732 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | VH | NT | -23.11 | -0.027379 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | VL | NT | -8.35  | -0.010075 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | VN | NT | -39.24 | -0.047328 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | VH | NT | -21.16 | -0.025525 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | VL | NT | -37.03 | -0.044268 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | VN | NT | -37.30 | -0.044587 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | VH | NT | -41.45 | -0.049554 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | VL | NT | -47.61 | -0.056406 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | VN | NT | -48.34 | -0.057272 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | VH | NT | -40.38 | -0.047843 | ±2.5 | PASS |

| Temperature |           |            |         |              |               |                  |                |                 |             |         |
|-------------|-----------|------------|---------|--------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band        | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5       | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | -30              | -24.94         | -0.030243       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | -20              | -35.62         | -0.043194       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | 0                | -45.40         | -0.055046       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | 10               | -42.61         | -0.051669       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20407   | 6RB#0        | NV            | 20               | -10.00         | -0.012130       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20525   | 6RB#0        | NV            | -30              | -19.45         | -0.023251       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20525   | 6RB#0        | NV            | -20              | -30.51         | -0.036476       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20525   | 6RB#0        | NV            | 0                | -37.22         | -0.044497       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20525   | 6RB#0        | NV            | 10               | -44.96         | -0.053746       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20525   | 6RB#0        | NV            | 20               | -5.63          | -0.006735       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20643   | 6RB#0        | NV            | -30              | -37.65         | -0.044386       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20643   | 6RB#0        | NV            | -20              | -51.33         | -0.060508       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20643   | 6RB#0        | NV            | 0                | -13.28         | -0.015658       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20643   | 6RB#0        | NV            | 10               | -34.33         | -0.040470       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | QPSK       | 20643   | 6RB#0        | NV            | 20               | -45.43         | -0.053551       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20407   | 6RB#0        | NV            | -30              | -16.11         | -0.019538       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20407   | 6RB#0        | NV            | -20              | -16.04         | -0.019448       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20407   | 6RB#0        | NV            | 0                | -13.85         | -0.016791       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20407   | 6RB#0        | NV            | 10               | -19.93         | -0.024160       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20407   | 6RB#0        | NV            | 20               | -14.65         | -0.017760       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20525   | 6RB#0        | NV            | -30              | 1.42           | 0.001693        | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20525   | 6RB#0        | NV            | -20              | 9.42           | 0.011258        | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20525   | 6RB#0        | NV            | 0                | 12.70          | 0.015178        | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20525   | 6RB#0        | NV            | 10               | 17.34          | 0.020723        | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20525   | 6RB#0        | NV            | 20               | 13.13          | 0.015697        | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20643   | 6RB#0        | NV            | -30              | -0.11          | -0.000129       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20643   | 6RB#0        | NV            | -20              | 2.45           | 0.002891        | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20643   | 6RB#0        | NV            | 0                | 2.79           | 0.003287        | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20643   | 6RB#0        | NV            | 10               | -15.34         | -0.018081       | ±2.5        | PASS    |
| Band5       | 1.4MHz    | 16QAM      | 20643   | 6RB#0        | NV            | 20               | -18.31         | -0.021579       | ±2.5        | PASS    |
| Band5       | 3MHz      | QPSK       | 20415   | 15RB#0       | NV            | -30              | -12.27         | -0.014870       | ±2.5        | PASS    |
| Band5       | 3MHz      | QPSK       | 20415   | 15RB#0       | NV            | -20              | -23.00         | -0.027863       | ±2.5        | PASS    |
| Band5       | 3MHz      | QPSK       | 20415   | 15RB#0       | NV            | 0                | -40.91         | -0.049557       | ±2.5        | PASS    |
| Band5       | 3MHz      | QPSK       | 20415   | 15RB#0       | NV            | 10               | -49.01         | -0.059367       | ±2.5        | PASS    |
| Band5       | 3MHz      | QPSK       | 20415   | 15RB#0       | NV            | 20               | -11.09         | -0.013430       | ±2.5        | PASS    |
| Band5       | 3MHz      | QPSK       | 20525   | 15RB#0       | NV            | -30              | -35.41         | -0.042333       | ±2.5        | PASS    |
| Band5       | 3MHz      | QPSK       | 20525   | 15RB#0       | NV            | -20              | -44.73         | -0.053474       | ±2.5        | PASS    |

|       |      |       |       |        |    |     |        |           |      |      |
|-------|------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band5 | 3MHz | QPSK  | 20525 | 15RB#0 | NV | 0   | -42.21 | -0.050458 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 15RB#0 | NV | 10  | -52.39 | -0.062631 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20525 | 15RB#0 | NV | 20  | -15.63 | -0.018683 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | -30 | -49.77 | -0.058731 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | -20 | -10.81 | -0.012750 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | 0   | -15.47 | -0.018253 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | 10  | -24.50 | -0.028903 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK  | 20635 | 15RB#0 | NV | 20  | -21.83 | -0.025759 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | -30 | -42.91 | -0.051984 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | -20 | -49.52 | -0.059983 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | 0   | -27.54 | -0.033358 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | 10  | -20.79 | -0.025182 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20415 | 15RB#0 | NV | 20  | -19.10 | -0.023134 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | -30 | -13.96 | -0.016692 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | -20 | -11.72 | -0.014012 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 0   | -17.78 | -0.021249 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 10  | -21.30 | -0.025458 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 20  | -9.01  | -0.010774 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | -30 | -36.24 | -0.042763 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | -20 | -33.64 | -0.039689 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | 0   | -34.21 | -0.040368 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | 10  | -41.91 | -0.049454 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20635 | 15RB#0 | NV | 20  | -39.45 | -0.046554 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0 | NV | -30 | -47.35 | -0.057284 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0 | NV | -20 | -49.62 | -0.060034 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0 | NV | 0   | -12.85 | -0.015549 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0 | NV | 10  | -37.40 | -0.045255 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20425 | 25RB#0 | NV | 20  | -42.23 | -0.051093 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0 | NV | -30 | -27.87 | -0.033322 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0 | NV | -20 | -23.41 | -0.027984 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0 | NV | 0   | -31.60 | -0.037781 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0 | NV | 10  | -31.90 | -0.038131 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20525 | 25RB#0 | NV | 20  | -37.76 | -0.045137 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | -30 | -19.75 | -0.023326 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | -20 | -26.24 | -0.030999 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | 0   | -35.95 | -0.042464 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | 10  | -45.63 | -0.053908 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK  | 20625 | 25RB#0 | NV | 20  | -61.45 | -0.072594 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | -30 | -27.65 | -0.033455 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | -20 | -37.13 | -0.044925 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | 0   | -34.72 | -0.042005 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20425 | 25RB#0 | NV | 10  | -29.61 | -0.035829 | ±2.5 | PASS |

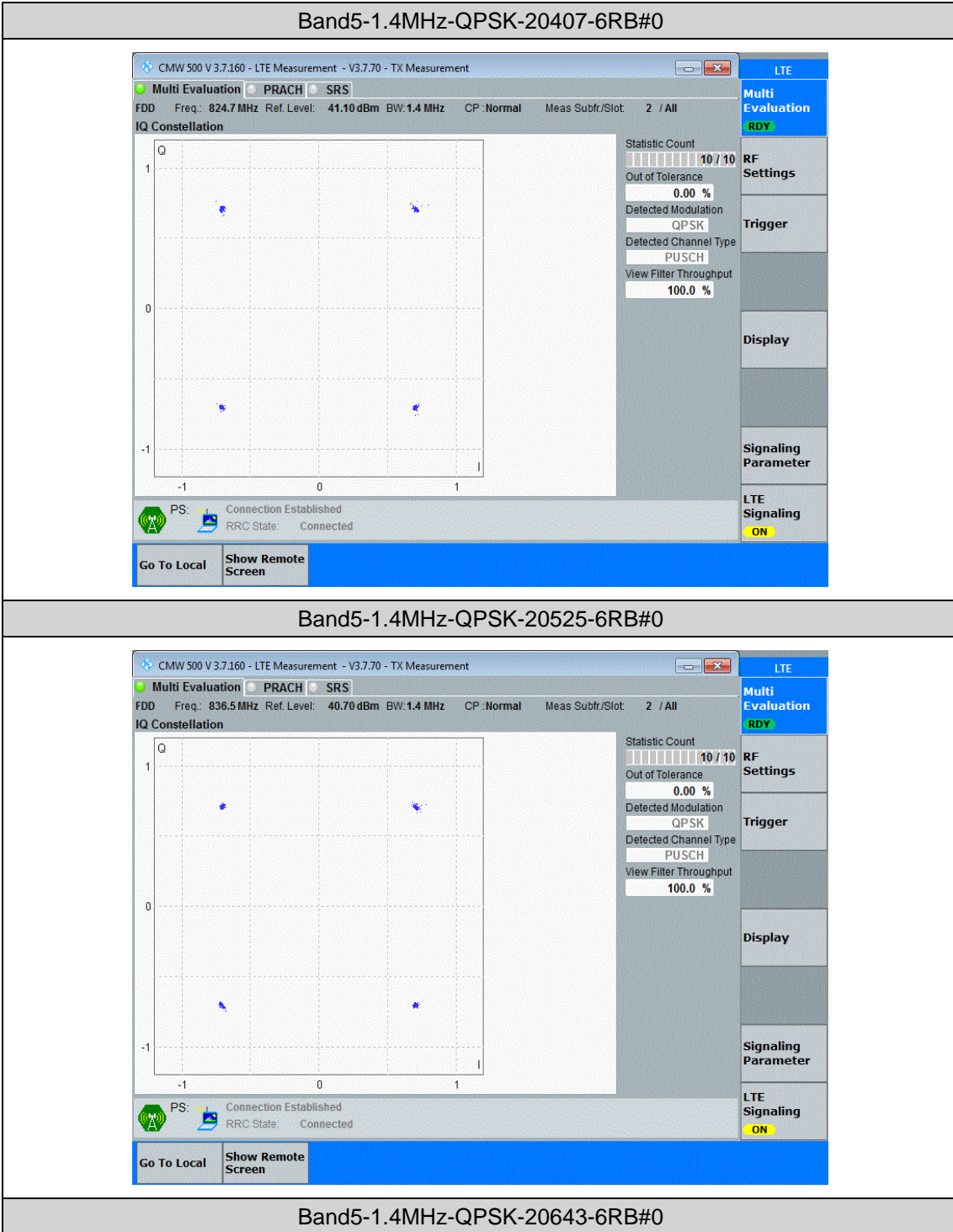
|       |       |       |       |        |    |     |        |           |      |      |
|-------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band5 | 5MHz  | 16QAM | 20425 | 25RB#0 | NV | 20  | -24.39 | -0.029507 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | NV | -30 | -17.40 | -0.020796 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | NV | -20 | -8.84  | -0.010573 | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | NV | 0   | 10.97  | 0.013108  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | NV | 10  | 9.99   | 0.011937  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20525 | 25RB#0 | NV | 20  | 18.49  | 0.022109  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | -30 | 7.26   | 0.008571  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | -20 | 14.74  | 0.017409  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | 0   | 19.64  | 0.023206  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | 10  | 28.76  | 0.033980  | ±2.5 | PASS |
| Band5 | 5MHz  | 16QAM | 20625 | 25RB#0 | NV | 20  | 33.89  | 0.040037  | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | NV | -30 | -35.90 | -0.043311 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | NV | -20 | -0.86  | -0.001037 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | NV | 0   | -22.17 | -0.026744 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | NV | 10  | -41.32 | -0.049846 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20450 | 50RB#0 | NV | 20  | -28.05 | -0.033834 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | NV | -30 | -36.88 | -0.044083 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | NV | -20 | -50.72 | -0.060635 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | NV | 0   | -12.70 | -0.015180 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | NV | 10  | -14.64 | -0.017507 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20525 | 50RB#0 | NV | 20  | -29.67 | -0.035474 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | NV | -30 | -33.20 | -0.039335 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | NV | -20 | -55.58 | -0.065850 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | NV | 0   | -12.05 | -0.014282 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | NV | 10  | -21.89 | -0.025936 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK  | 20600 | 50RB#0 | NV | 20  | -39.21 | -0.046456 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | -30 | -37.00 | -0.044638 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | -20 | -46.36 | -0.055926 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 0   | 1.75   | 0.002109  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 10  | -14.52 | -0.017514 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20450 | 50RB#0 | NV | 20  | -13.93 | -0.016807 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -30 | -42.74 | -0.051093 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -20 | 5.10   | 0.006096  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 0   | 4.03   | 0.004823  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 10  | 8.88   | 0.010618  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 20  | 1.69   | 0.002018  | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | -30 | -51.03 | -0.060463 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | -20 | -19.86 | -0.023530 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 0   | -16.91 | -0.020030 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 10  | -16.39 | -0.019414 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20600 | 50RB#0 | NV | 20  | -11.36 | -0.013459 | ±2.5 | PASS |

## Appendix G: Modulation Characteristics

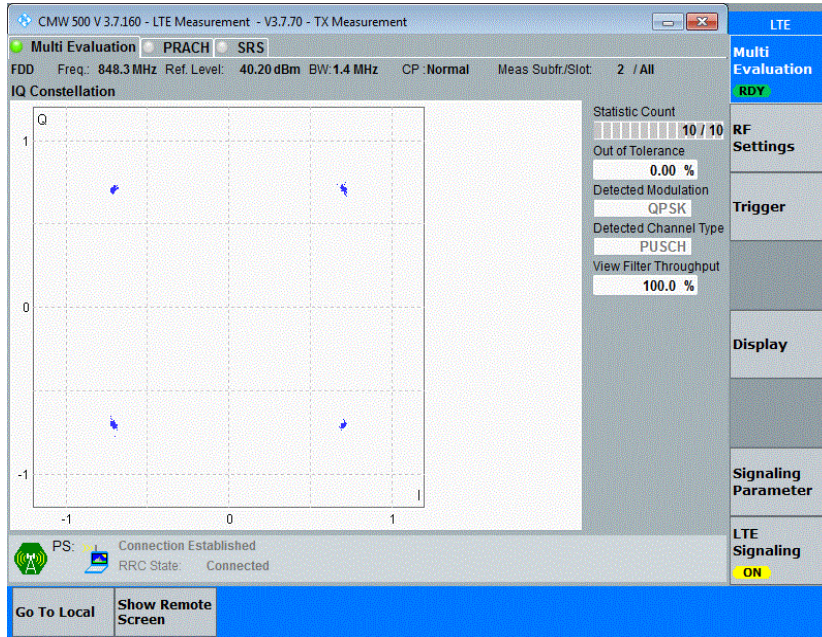
### Test Result

| Band  | Channel | Result | Verdict |
|-------|---------|--------|---------|
| Band5 | 20407   | PASS   | PASS    |
| Band5 | 20525   | PASS   | PASS    |
| Band5 | 20643   | PASS   | PASS    |
| Band5 | 20407   | PASS   | PASS    |
| Band5 | 20525   | PASS   | PASS    |
| Band5 | 20643   | PASS   | PASS    |
| Band5 | 20415   | PASS   | PASS    |
| Band5 | 20525   | PASS   | PASS    |
| Band5 | 20635   | PASS   | PASS    |
| Band5 | 20415   | PASS   | PASS    |
| Band5 | 20525   | PASS   | PASS    |
| Band5 | 20635   | PASS   | PASS    |
| Band5 | 20425   | PASS   | PASS    |
| Band5 | 20525   | PASS   | PASS    |
| Band5 | 20625   | PASS   | PASS    |
| Band5 | 20425   | PASS   | PASS    |
| Band5 | 20525   | PASS   | PASS    |
| Band5 | 20625   | PASS   | PASS    |
| Band5 | 20450   | PASS   | PASS    |
| Band5 | 20525   | PASS   | PASS    |
| Band5 | 20600   | PASS   | PASS    |
| Band5 | 20450   | PASS   | PASS    |
| Band5 | 20525   | PASS   | PASS    |
| Band5 | 20600   | PASS   | PASS    |

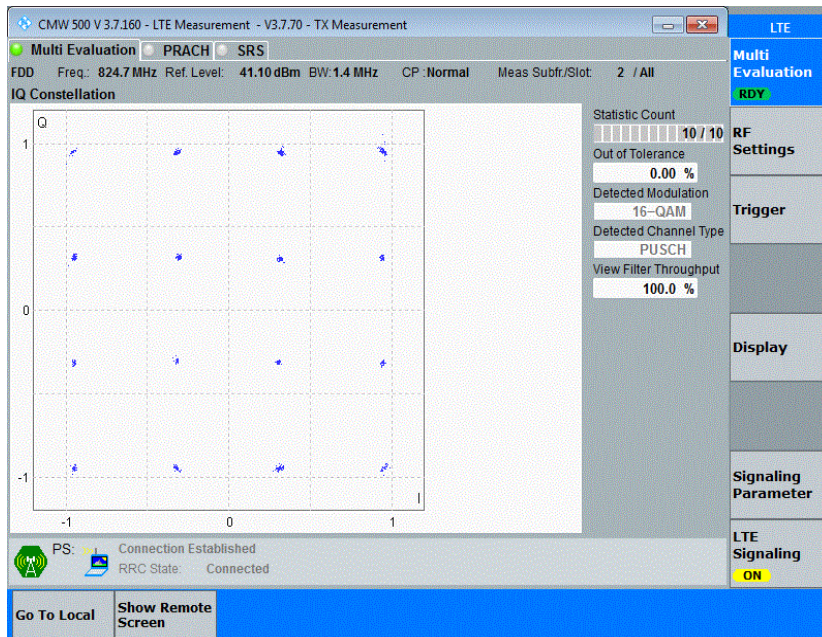
### Test Graphs



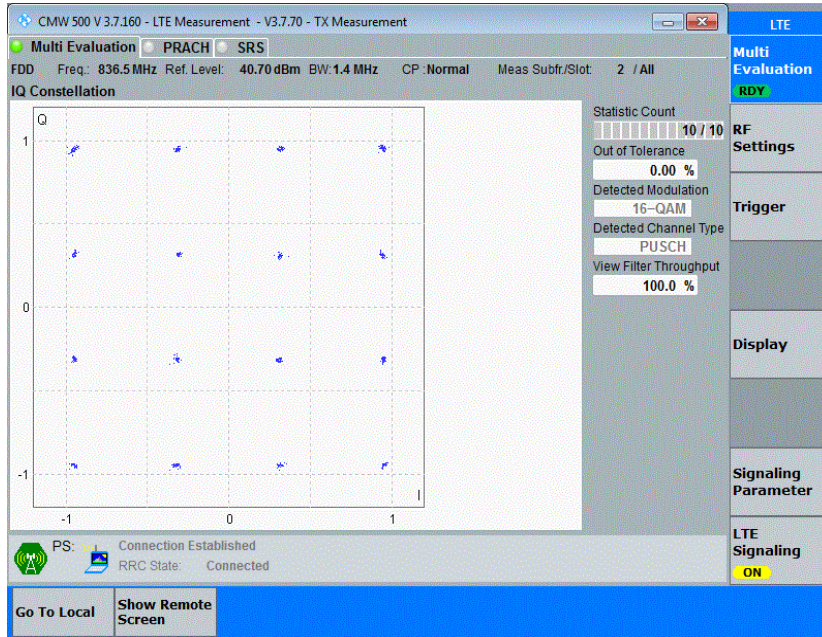




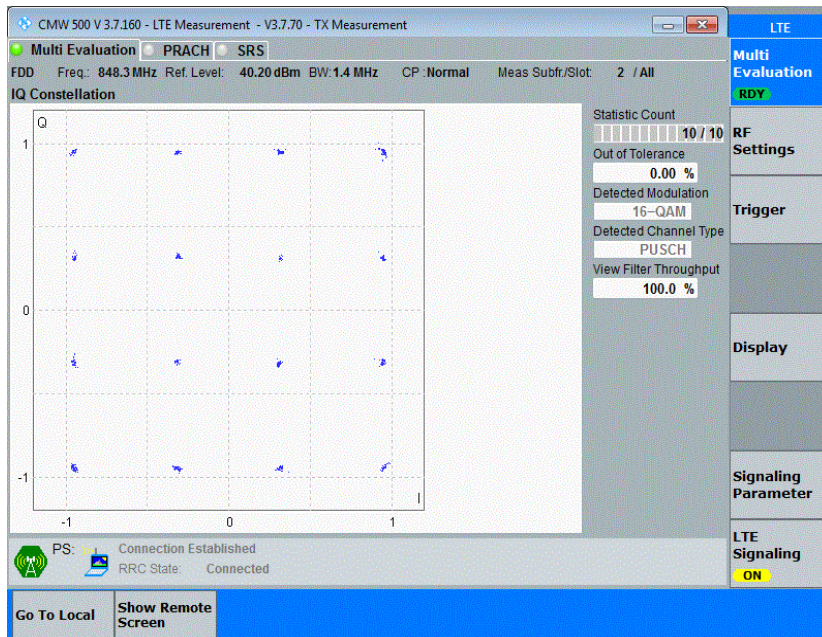
Band5-1.4MHz-16QAM-20407-6RB#0



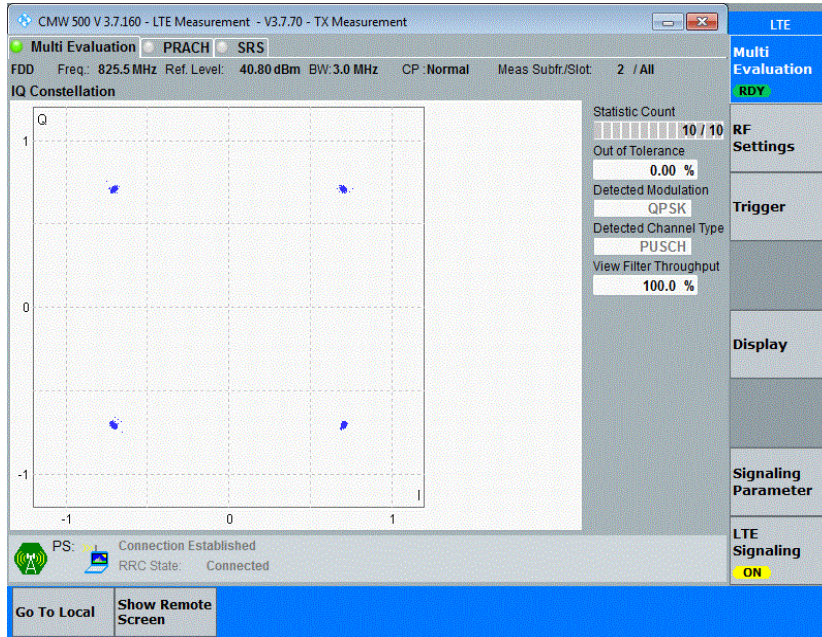
Band5-1.4MHz-16QAM-20525-6RB#0



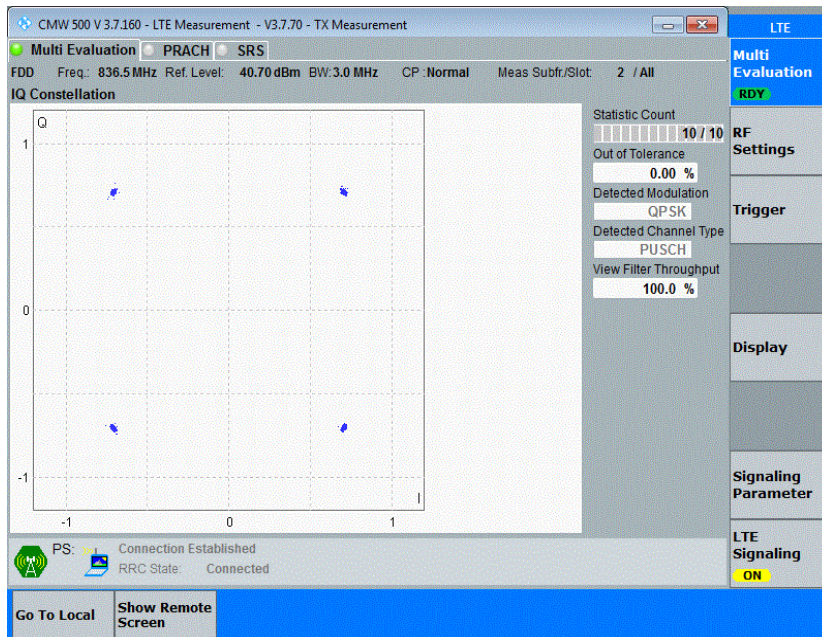
Band5-1.4MHz-16QAM-20643-6RB#0



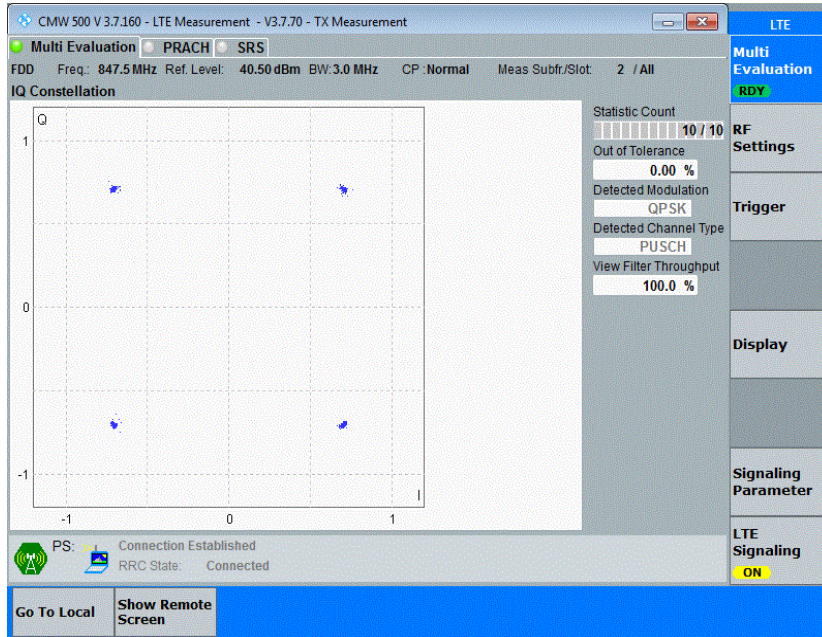
Band5-3MHz-QPSK-20415-15RB#0



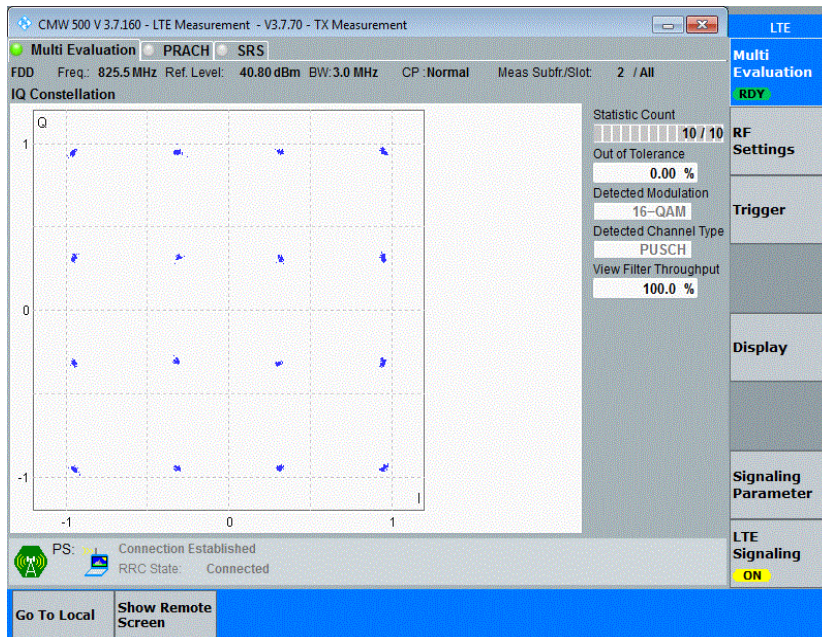
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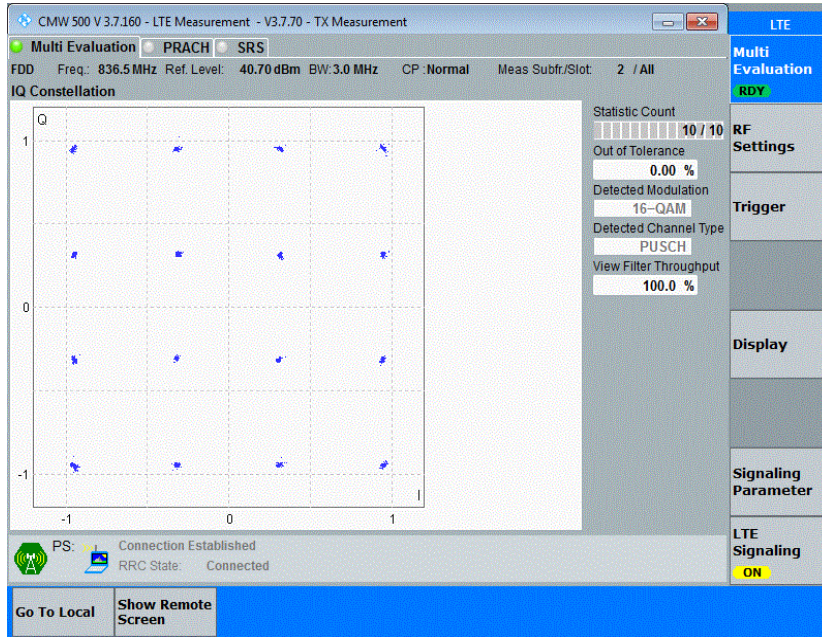
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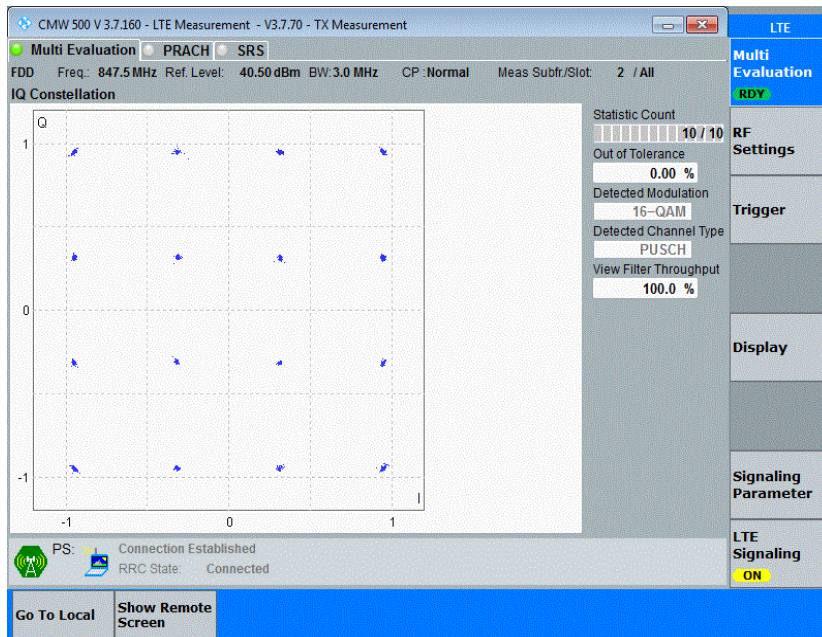
Band5-3MHz-16QAM-20415-15RB#0



Band5-3MHz-16QAM-20525-15RB#0



Band5-3MHz-16QAM-20635-15RB#0



Band5-5MHz-QPSK-20425-25RB#0