



Band7-5MHz-16QAM-21425-1RB#0-Range2:1000~26500MHz



Band7-10MHz-QPSK-20800-1RB#0-Range1:30~1000MHz



Band7-10MHz-QPSK-20800-1RB#0-Range2:1000~26500MHz



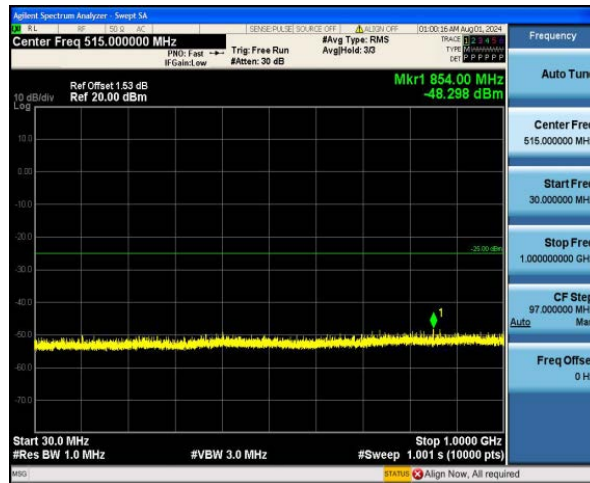
Band7-10MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Band7-10MHz-QPSK-21100-1RB#0-Range2:1000~26500MHz



Band7-10MHz-QPSK-21400-1RB#0-Range1:30~1000MHz



Band7-10MHz-QPSK-21400-1RB#0-Range2:1000~26500MHz



Band7-10MHz-16QAM-20800-1RB#0-Range1:30~1000MHz



Band7-10MHz-16QAM-20800-1RB#0-Range2:1000~26500MHz



Band7-10MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Band7-10MHz-16QAM-21100-1RB#0-Range2:1000~26500MHz



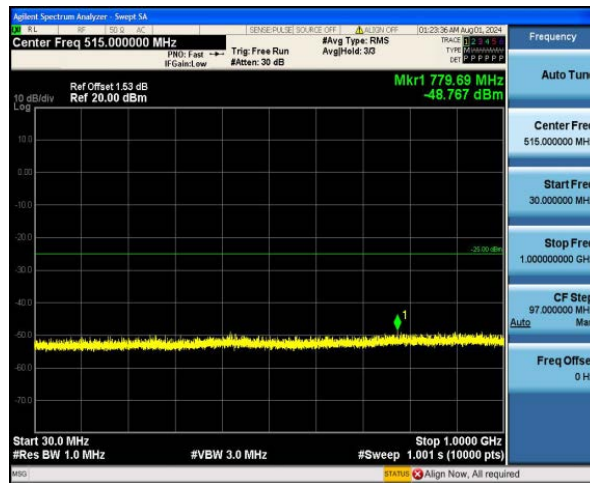
Band7-10MHz-16QAM-21400-1RB#0-Range1:30~1000MHz



Band7-10MHz-16QAM-21400-1RB#0-Range2:1000~26500MHz



Band7-15MHz-QPSK-20825-1RB#0-Range1:30~1000MHz



Band7-15MHz-QPSK-20825-1RB#0-Range2:1000~26500MHz



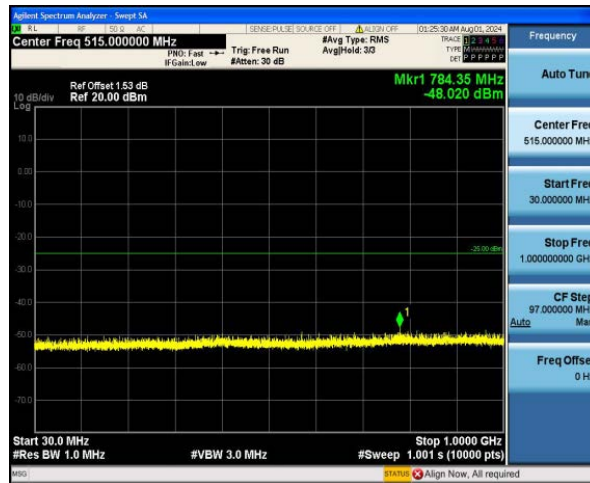
Band7-15MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Band7-15MHz-QPSK-21100-1RB#0-Range2:1000~26500MHz



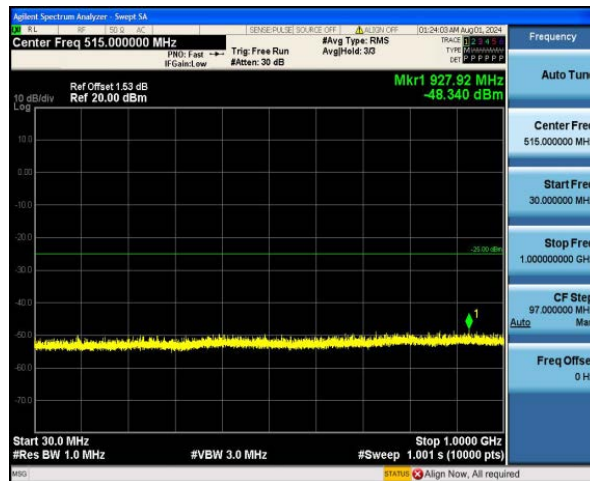
Band7-15MHz-QPSK-21375-1RB#0-Range1:30~1000MHz



Band7-15MHz-QPSK-21375-1RB#0-Range2:1000~26500MHz



Band7-15MHz-16QAM-20825-1RB#0-Range1:30~1000MHz



Band7-15MHz-16QAM-20825-1RB#0-Range2:1000~26500MHz



Band7-15MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Band7-15MHz-16QAM-21100-1RB#0-Range2:1000~26500MHz



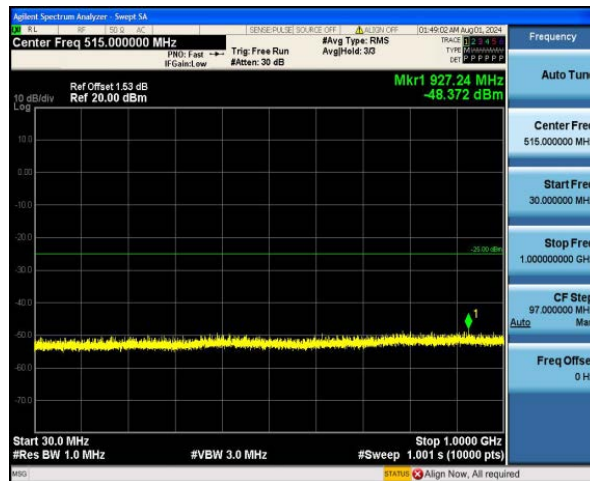
Band7-15MHz-16QAM-21375-1RB#0-Range1:30~1000MHz



Band7-15MHz-16QAM-21375-1RB#0-Range2:1000~26500MHz



Band7-20MHz-QPSK-20850-1RB#0-Range1:30~1000MHz



Band7-20MHz-QPSK-20850-1RB#0-Range2:1000~26500MHz



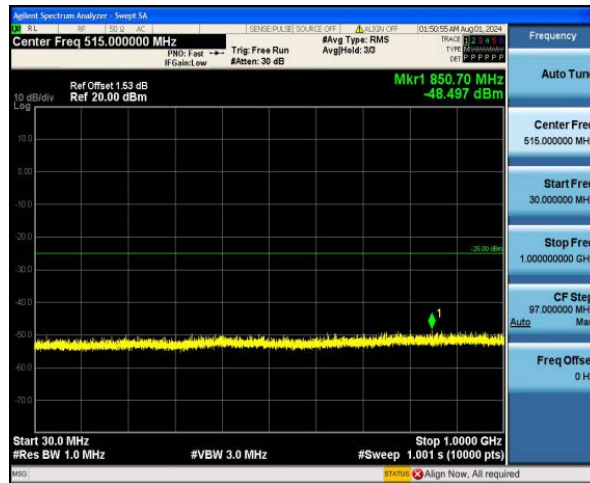
Band7-20MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



Band7-20MHz-QPSK-21100-1RB#0-Range2:1000~26500MHz



Band7-20MHz-QPSK-21350-1RB#0-Range1:30~1000MHz



Band7-20MHz-QPSK-21350-1RB#0-Range2:1000~26500MHz



Band7-20MHz-16QAM-20850-1RB#0-Range1:30~1000MHz



Band7-20MHz-16QAM-20850-1RB#0-Range2:1000~26500MHz



Band7-20MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



Band7-20MHz-16QAM-21100-1RB#0-Range2:1000~26500MHz



Band7-20MHz-16QAM-21350-1RB#0-Range1:30~1000MHz



## Band7-20MHz-16QAM-21350-1RB#0-Range2:1000~26500MHz



## Appendix F: Frequency Stability

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Voltage       |                  | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
|       |           |            |         |                  | Voltage [Vdc] | Temperature (°C) |                |                 |             |         |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | VL            | NT               | 33.43          | 0.013359        | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | VN            | NT               | 29.50          | 0.011788        | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | VH            | NT               | 33.90          | 0.013546        | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | VL            | NT               | 22.20          | 0.008757        | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | VN            | NT               | 27.77          | 0.010955        | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | VH            | NT               | 8.14           | 0.003211        | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | VL            | NT               | 28.21          | 0.010987        | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | VN            | NT               | 27.65          | 0.010769        | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | VH            | NT               | 21.16          | 0.008241        | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | VL            | NT               | 14.68          | 0.005866        | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | VN            | NT               | -7.17          | -0.002865       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | VH            | NT               | 26.76          | 0.010693        | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | VL            | NT               | -15.72         | -0.006201       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | VN            | NT               | -29.38         | -0.011590       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | VH            | NT               | -7.81          | -0.003081       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | VL            | NT               | -30.36         | -0.011825       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | VN            | NT               | -35.05         | -0.013651       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | VH            | NT               | -13.66         | -0.005320       | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | VL            | NT               | 40.74          | 0.016263        | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | VN            | NT               | 47.38          | 0.018914        | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | VH            | NT               | 43.90          | 0.017525        | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | VL            | NT               | 9.67           | 0.003815        | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | VN            | NT               | 20.57          | 0.008114        | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | VH            | NT               | -11.90         | -0.004694       | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 50RB#0           | VL            | NT               | 34.17          | 0.013322        | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 50RB#0           | VN            | NT               | 48.14          | 0.018768        | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 21400   | 50RB#0           | VH            | NT               | 22.17          | 0.008643        | ±2.5        | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 50RB#0           | VL            | NT               | 18.71          | 0.007469        | ±2.5        | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 50RB#0           | VN            | NT               | 8.93           | 0.003565        | ±2.5        | PASS    |
| Band7 | 10MHz     | 16QAM      | 20800   | 50RB#0           | VH            | NT               | 30.64          | 0.012232        | ±2.5        | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | VL            | NT               | -19.63         | -0.007744       | ±2.5        | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | VN            | NT               | -34.65         | -0.013669       | ±2.5        | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | VH            | NT               | -11.50         | -0.004536       | ±2.5        | PASS    |
| Band7 | 10MHz     | 16QAM      | 21400   | 50RB#0           | VL            | NT               | -9.01          | -0.003513       | ±2.5        | PASS    |

|       |       |       |       |         |    |    |        |           |      |      |
|-------|-------|-------|-------|---------|----|----|--------|-----------|------|------|
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0  | VN | NT | -24.43 | -0.009524 | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0  | VH | NT | 7.97   | 0.003107  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0  | VL | NT | -13.45 | -0.005364 | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0  | VN | NT | -17.85 | -0.007119 | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0  | VH | NT | 6.84   | 0.002728  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0  | VL | NT | 24.43  | 0.009637  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0  | VN | NT | 34.33  | 0.013542  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0  | VH | NT | -11.99 | -0.004730 | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0  | VL | NT | 39.75  | 0.015512  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0  | VN | NT | 43.27  | 0.016886  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0  | VH | NT | 23.86  | 0.009311  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0  | VL | NT | 26.62  | 0.010616  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0  | VN | NT | 24.40  | 0.009731  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0  | VH | NT | 33.86  | 0.013503  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | VL | NT | -21.24 | -0.008379 | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | VN | NT | -27.81 | -0.010970 | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | VH | NT | -21.67 | -0.008548 | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | VL | NT | 8.25   | 0.003220  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | VN | NT | -8.00  | -0.003122 | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | VH | NT | 11.56  | 0.004511  | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | VL | NT | 34.99  | 0.013940  | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | VN | NT | 36.02  | 0.014351  | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | VH | NT | 35.42  | 0.014112  | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | VL | NT | 25.43  | 0.010032  | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | VN | NT | 40.66  | 0.016039  | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | VH | NT | -7.44  | -0.002935 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | VL | NT | 20.59  | 0.008043  | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | VN | NT | 21.97  | 0.008582  | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | VH | NT | 13.62  | 0.005320  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | VL | NT | -15.01 | -0.005980 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | VN | NT | -23.88 | -0.009514 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | VH | NT | -8.15  | -0.003247 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | VL | NT | -33.43 | -0.013187 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | VN | NT | -33.83 | -0.013345 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | VH | NT | -23.22 | -0.009160 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | VL | NT | -7.82  | -0.003055 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | VN | NT | -13.46 | -0.005258 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | VH | NT | -5.44  | -0.002125 | ±2.5 | PASS |

Temperature

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Voltage [Vdc] | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-------|-----------|------------|---------|------------------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | NV            | -30              | 36.19          | 0.014462        | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | NV            | -20              | 45.19          | 0.018058        | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | NV            | 0                | -4.96          | -0.001982       | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | NV            | 10               | -6.05          | -0.002418       | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 20775   | 25RB#0           | NV            | 20               | -11.79         | -0.004711       | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | NV            | -30              | -8.33          | -0.003286       | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | NV            | -20              | -24.99         | -0.009858       | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | NV            | 0                | -30.64         | -0.012087       | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | NV            | 10               | -38.71         | -0.015270       | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | NV            | 20               | -13.83         | -0.005456       | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | NV            | -30              | 11.07          | 0.004312        | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | NV            | -20              | -9.54          | -0.003716       | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | NV            | 0                | -23.12         | -0.009005       | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | NV            | 10               | -19.15         | -0.007459       | ±2.5        | PASS    |
| Band7 | 5MHz      | QPSK       | 21425   | 25RB#0           | NV            | 20               | -20.04         | -0.007805       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | NV            | -30              | 35.61          | 0.014230        | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | NV            | -20              | 37.54          | 0.015001        | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | NV            | 0                | -13.88         | -0.005546       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | NV            | 10               | -12.03         | -0.004807       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 20775   | 25RB#0           | NV            | 20               | -5.08          | -0.002030       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | NV            | -30              | -10.50         | -0.004142       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | NV            | -20              | -12.07         | -0.004761       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | NV            | 0                | -8.03          | -0.003168       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | NV            | 10               | 9.81           | 0.003870        | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | NV            | 20               | 12.29          | 0.004848        | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | NV            | -30              | -8.23          | -0.003205       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | NV            | -20              | -12.10         | -0.004713       | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | NV            | 0                | 7.90           | 0.003077        | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | NV            | 10               | 13.92          | 0.005422        | ±2.5        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21425   | 25RB#0           | NV            | 20               | 20.46          | 0.007969        | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | NV            | -30              | -9.78          | -0.003904       | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | NV            | -20              | -9.54          | -0.003808       | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | NV            | 0                | -6.57          | -0.002623       | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | NV            | 10               | -6.42          | -0.002563       | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 20800   | 50RB#0           | NV            | 20               | 6.02           | 0.002403        | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | NV            | -30              | -32.67         | -0.012888       | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | NV            | -20              | -35.35         | -0.013945       | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | NV            | 0                | -47.24         | -0.018635       | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | NV            | 10               | -15.36         | -0.006059       | ±2.5        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | NV            | 20               | -17.80         | -0.007022       | ±2.5        | PASS    |

|       |       |       |       |        |    |     |        |           |      |      |
|-------|-------|-------|-------|--------|----|-----|--------|-----------|------|------|
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0 | NV | -30 | 16.89  | 0.006585  | ±2.5 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0 | NV | -20 | 10.17  | 0.003965  | ±2.5 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0 | NV | 0   | -5.32  | -0.002074 | ±2.5 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0 | NV | 10  | -9.73  | -0.003793 | ±2.5 | PASS |
| Band7 | 10MHz | QPSK  | 21400 | 50RB#0 | NV | 20  | -15.16 | -0.005910 | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | NV | -30 | 38.57  | 0.015397  | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | NV | -20 | 56.66  | 0.022619  | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | NV | 0   | 15.81  | 0.006311  | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | NV | 10  | 16.77  | 0.006695  | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 20800 | 50RB#0 | NV | 20  | 24.13  | 0.009633  | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | NV | -30 | -13.66 | -0.005389 | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | NV | -20 | -6.57  | -0.002592 | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | NV | 0   | 3.78   | 0.001491  | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | NV | 10  | 8.67   | 0.003420  | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 21100 | 50RB#0 | NV | 20  | 12.92  | 0.005097  | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | NV | -30 | 11.19  | 0.004363  | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | NV | -20 | 23.29  | 0.009080  | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | NV | 0   | 21.49  | 0.008378  | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | NV | 10  | 31.41  | 0.012246  | ±2.5 | PASS |
| Band7 | 10MHz | 16QAM | 21400 | 50RB#0 | NV | 20  | 33.77  | 0.013166  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0 | NV | -30 | -7.18  | -0.002863 | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0 | NV | -20 | -5.36  | -0.002138 | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0 | NV | 0   | 10.50  | 0.004187  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0 | NV | 10  | 15.25  | 0.006082  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 20825 | 75RB#0 | NV | 20  | 10.71  | 0.004271  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0 | NV | -30 | -24.68 | -0.009736 | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0 | NV | -20 | -41.10 | -0.016213 | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0 | NV | 0   | -47.94 | -0.018911 | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0 | NV | 10  | -20.14 | -0.007945 | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21100 | 75RB#0 | NV | 20  | -22.26 | -0.008781 | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0 | NV | -30 | 26.09  | 0.010181  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0 | NV | -20 | 13.42  | 0.005237  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0 | NV | 0   | 10.66  | 0.004160  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0 | NV | 10  | 9.17   | 0.003579  | ±2.5 | PASS |
| Band7 | 15MHz | QPSK  | 21375 | 75RB#0 | NV | 20  | -6.12  | -0.002388 | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0 | NV | -30 | 39.20  | 0.015633  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0 | NV | -20 | 46.53  | 0.018556  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0 | NV | 0   | 51.47  | 0.020526  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0 | NV | 10  | 17.19  | 0.006855  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 20825 | 75RB#0 | NV | 20  | 19.47  | 0.007765  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0 | NV | -30 | -14.09 | -0.005558 | ±2.5 | PASS |

|       |       |       |       |         |    |     |        |           |      |      |
|-------|-------|-------|-------|---------|----|-----|--------|-----------|------|------|
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | NV | -20 | -9.20  | -0.003629 | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | NV | 0   | -10.71 | -0.004225 | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | NV | 10  | 10.51  | 0.004146  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21100 | 75RB#0  | NV | 20  | 10.43  | 0.004114  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | NV | -30 | 16.68  | 0.006509  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | NV | -20 | 20.18  | 0.007875  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | NV | 0   | 27.69  | 0.010806  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | NV | 10  | 34.39  | 0.013420  | ±2.5 | PASS |
| Band7 | 15MHz | 16QAM | 21375 | 75RB#0  | NV | 20  | 38.97  | 0.015208  | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | NV | -30 | -26.09 | -0.010394 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | NV | -20 | -23.02 | -0.009171 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | NV | 0   | -18.54 | -0.007386 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | NV | 10  | -21.94 | -0.008741 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 20850 | 100RB#0 | NV | 20  | -19.40 | -0.007729 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | NV | -30 | -23.07 | -0.009101 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | NV | -20 | -40.87 | -0.016122 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | NV | 0   | -47.38 | -0.018690 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | NV | 10  | -22.00 | -0.008679 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21100 | 100RB#0 | NV | 20  | -23.03 | -0.009085 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | NV | -30 | 11.32  | 0.004422  | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | NV | -20 | 8.78   | 0.003430  | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | NV | 0   | 13.30  | 0.005195  | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | NV | 10  | -6.41  | -0.002504 | ±2.5 | PASS |
| Band7 | 20MHz | QPSK  | 21350 | 100RB#0 | NV | 20  | 9.57   | 0.003738  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | -30 | 5.82   | 0.002319  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | -20 | 15.29  | 0.006092  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | 0   | 21.29  | 0.008482  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | 10  | 36.19  | 0.014418  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 20850 | 100RB#0 | NV | 20  | 43.93  | 0.017502  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | -30 | -18.05 | -0.007120 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | -20 | -15.89 | -0.006268 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | 0   | -17.64 | -0.006959 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | 10  | -16.77 | -0.006615 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21100 | 100RB#0 | NV | 20  | -14.39 | -0.005677 | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | -30 | 12.66  | 0.004945  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | -20 | 18.68  | 0.007297  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 0   | 20.59  | 0.008043  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 10  | 26.78  | 0.010461  | ±2.5 | PASS |
| Band7 | 20MHz | 16QAM | 21350 | 100RB#0 | NV | 20  | 29.24  | 0.011422  | ±2.5 | PASS |

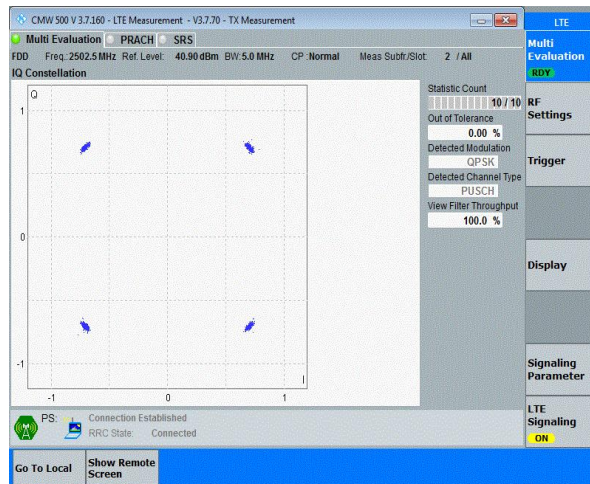
## Appendix G: Modulation Characteristics

### Test Result

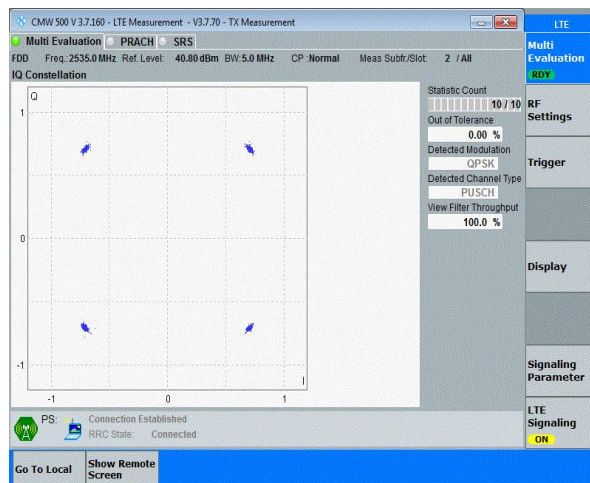
| Band  | Channel | Result | Verdict |
|-------|---------|--------|---------|
| Band7 | 20775   | PASS   | PASS    |
| Band7 | 21100   | PASS   | PASS    |
| Band7 | 21425   | PASS   | PASS    |
| Band7 | 20775   | PASS   | PASS    |
| Band7 | 21100   | PASS   | PASS    |
| Band7 | 21425   | PASS   | PASS    |
| Band7 | 20800   | PASS   | PASS    |
| Band7 | 21100   | PASS   | PASS    |
| Band7 | 21400   | PASS   | PASS    |
| Band7 | 20800   | PASS   | PASS    |
| Band7 | 21100   | PASS   | PASS    |
| Band7 | 21400   | PASS   | PASS    |
| Band7 | 20825   | PASS   | PASS    |
| Band7 | 21100   | PASS   | PASS    |
| Band7 | 21375   | PASS   | PASS    |
| Band7 | 20825   | PASS   | PASS    |
| Band7 | 21100   | PASS   | PASS    |
| Band7 | 21375   | PASS   | PASS    |
| Band7 | 20850   | PASS   | PASS    |
| Band7 | 21100   | PASS   | PASS    |
| Band7 | 21350   | PASS   | PASS    |
| Band7 | 20850   | PASS   | PASS    |
| Band7 | 21100   | PASS   | PASS    |
| Band7 | 21350   | PASS   | PASS    |

## Test Graphs

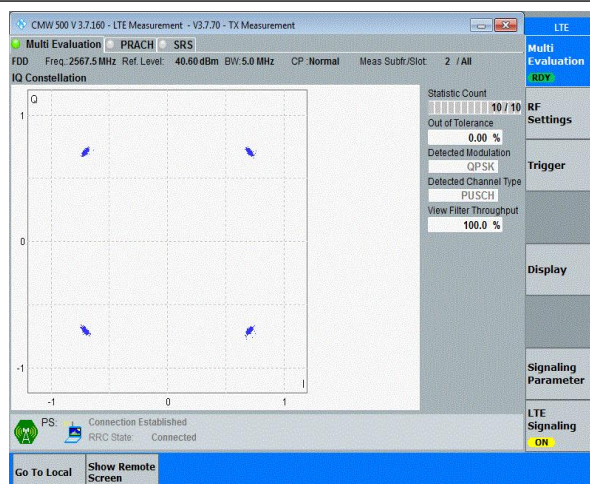
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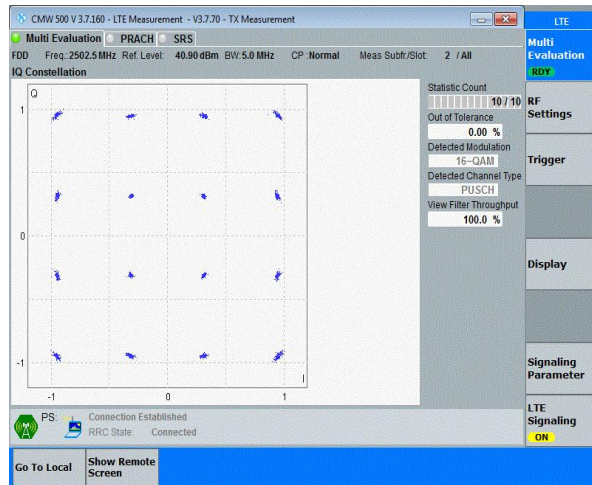
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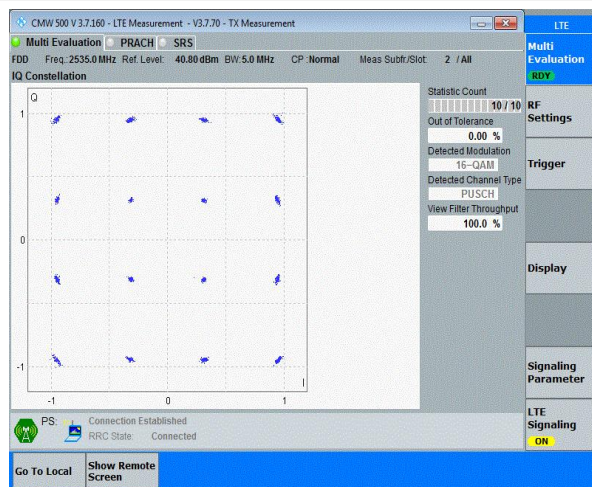
Band7-5MHz-QPSK-21425-25RB#0



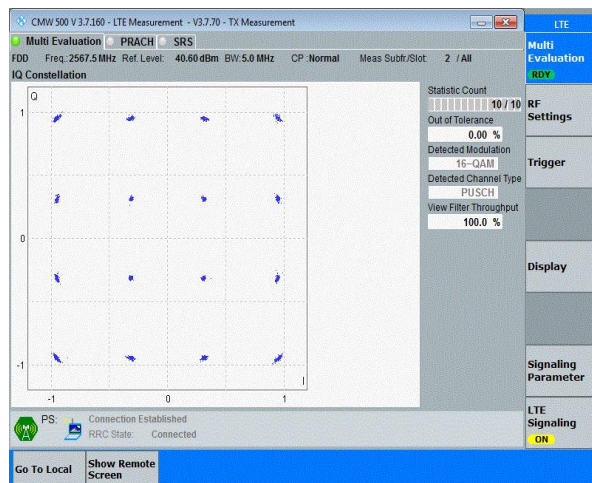
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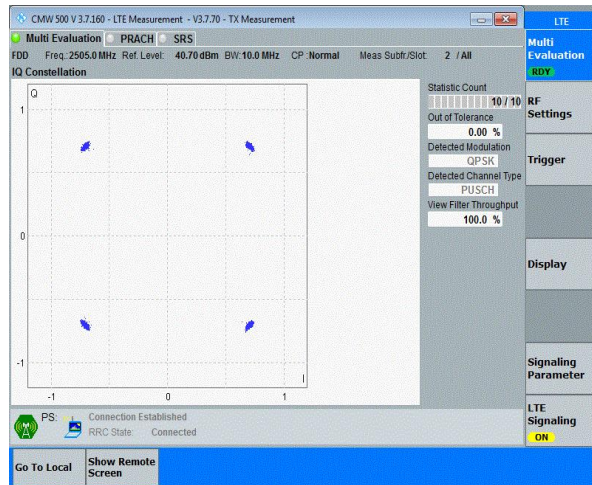
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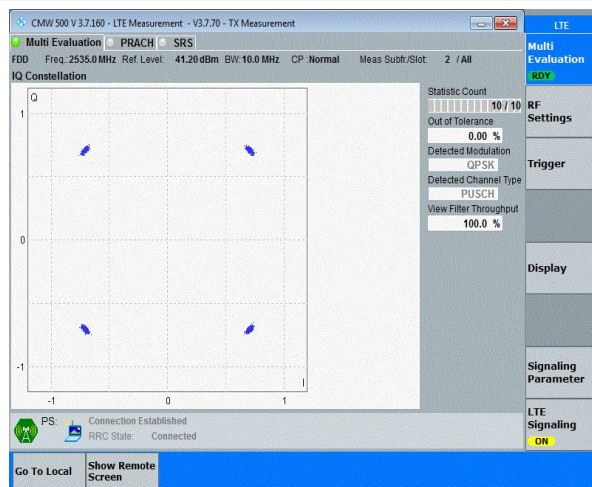
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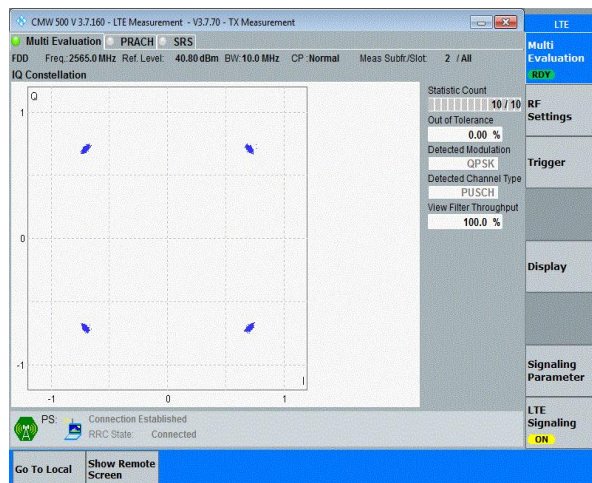
Band7-10MHz-QPSK-20800-50RB#0



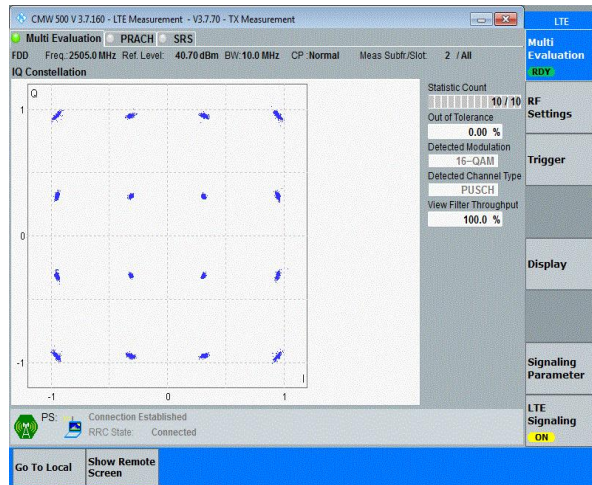
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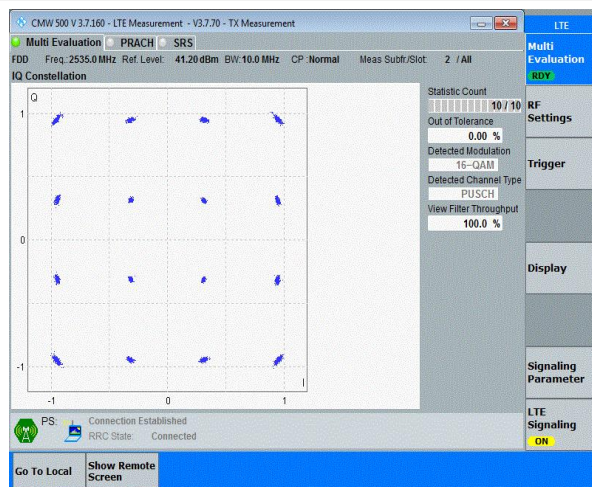
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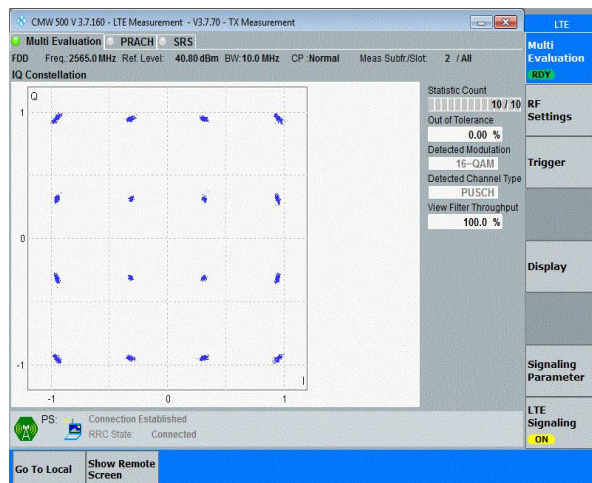
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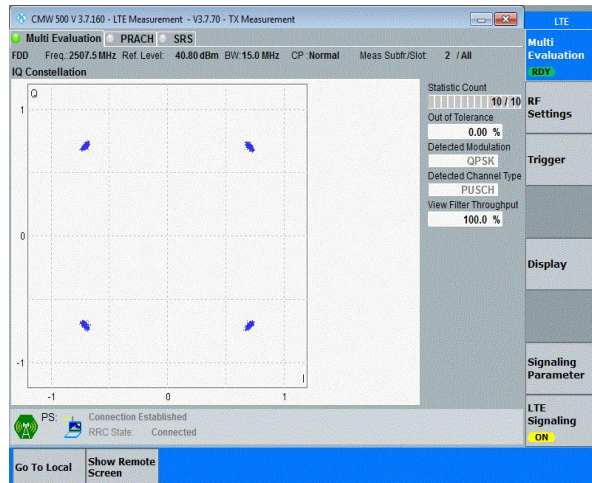
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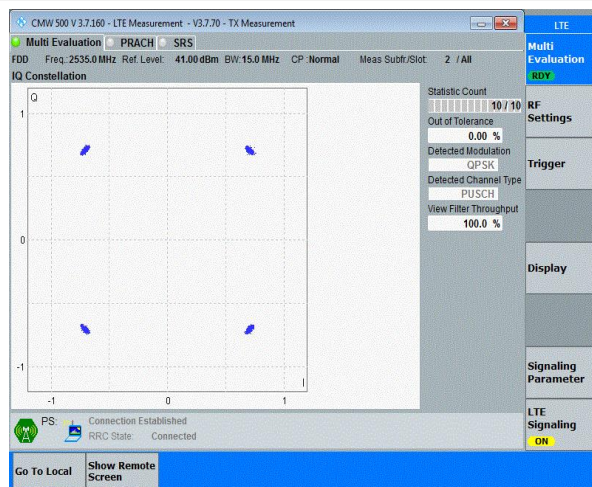
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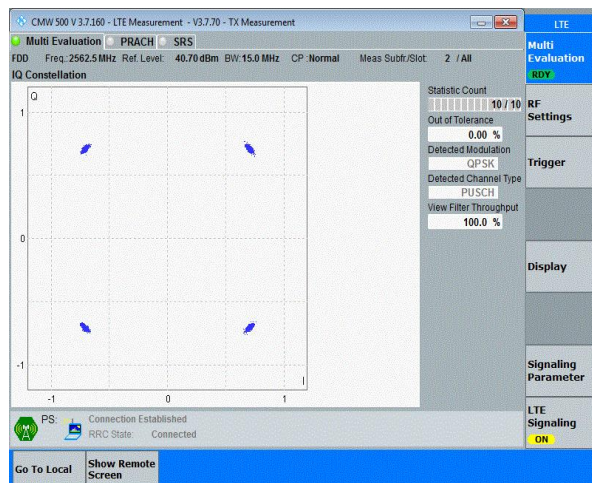
Band7-15MHz-QPSK-20825-75RB#0



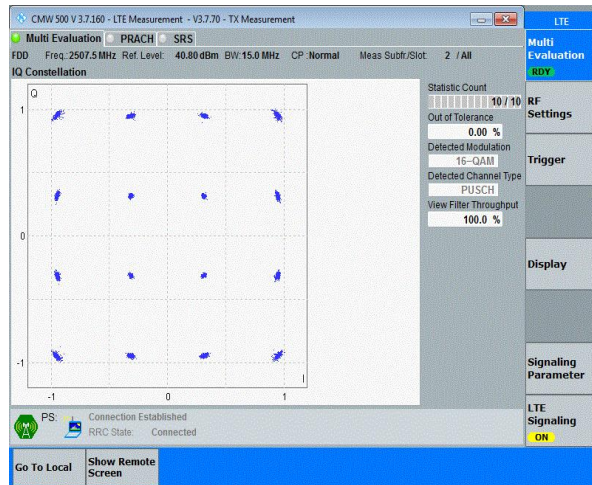
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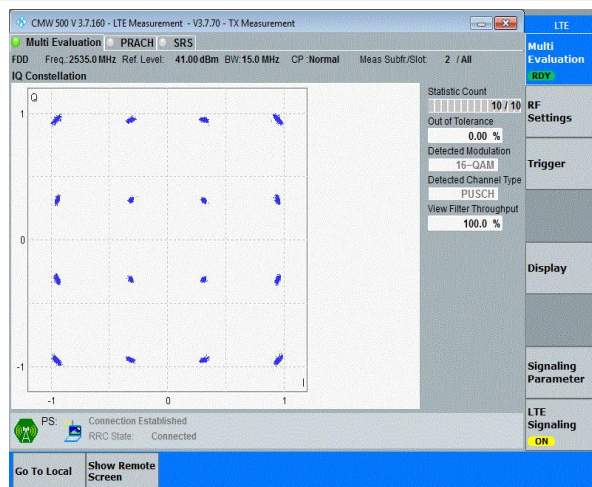
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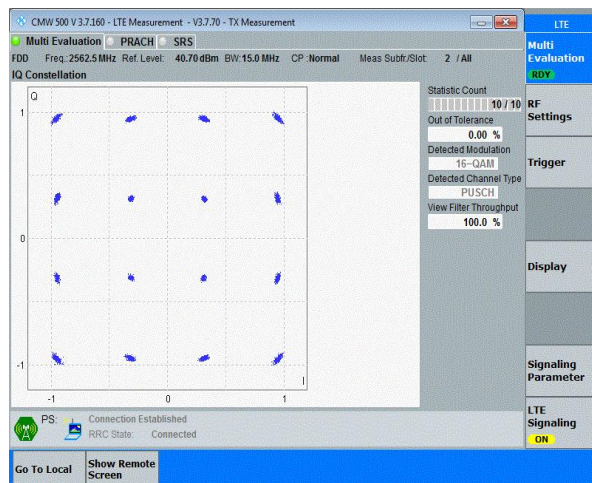
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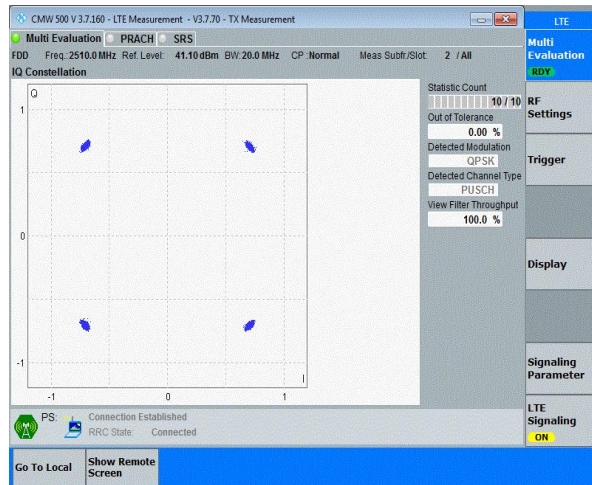
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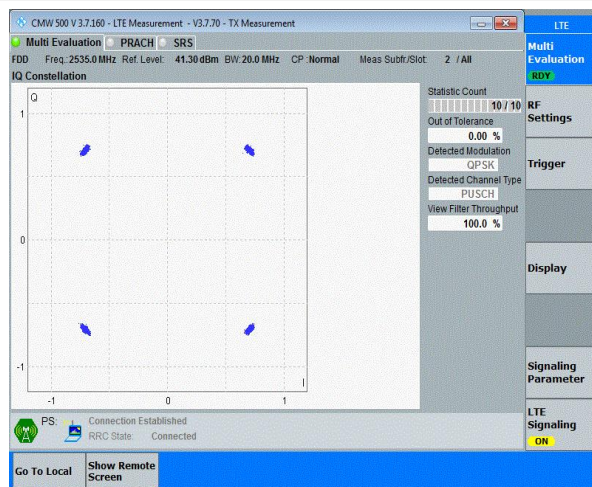
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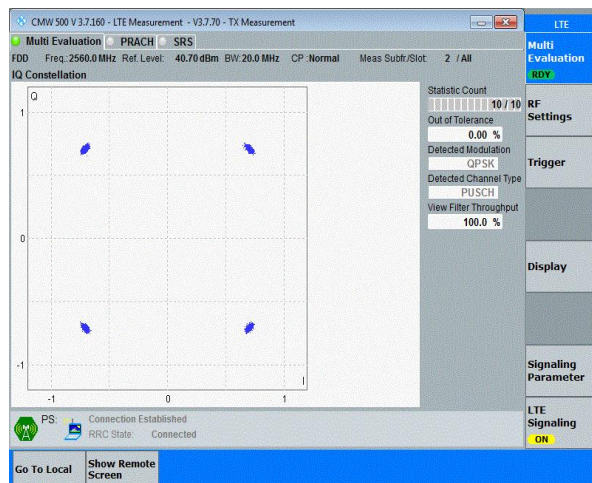
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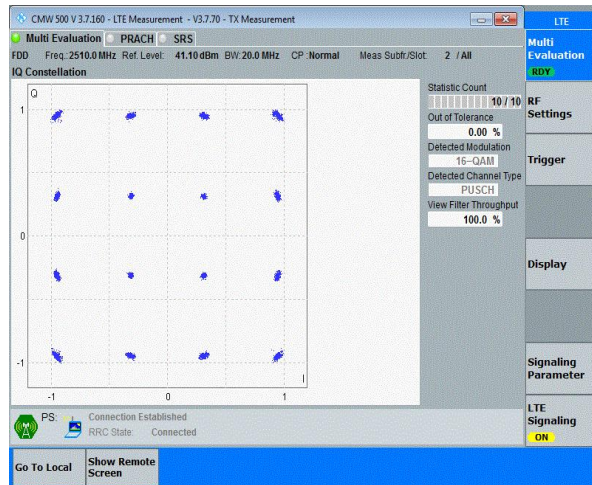
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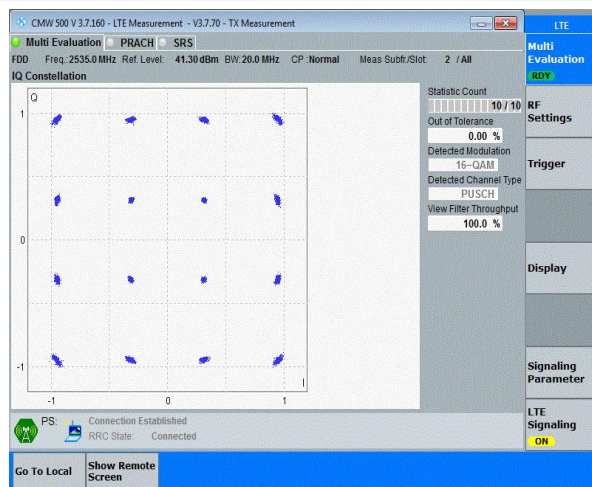
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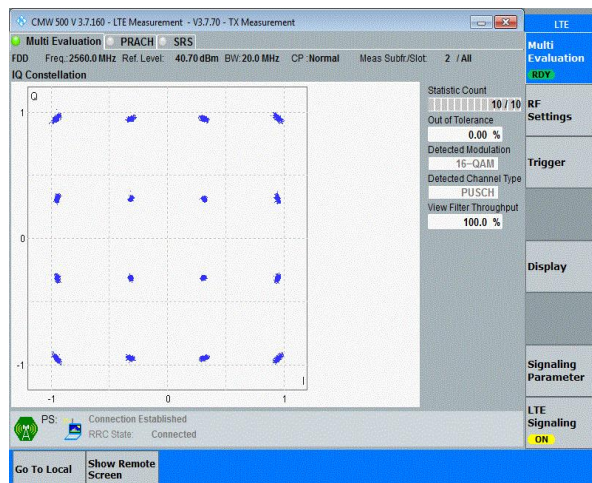
Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-100RB#0



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