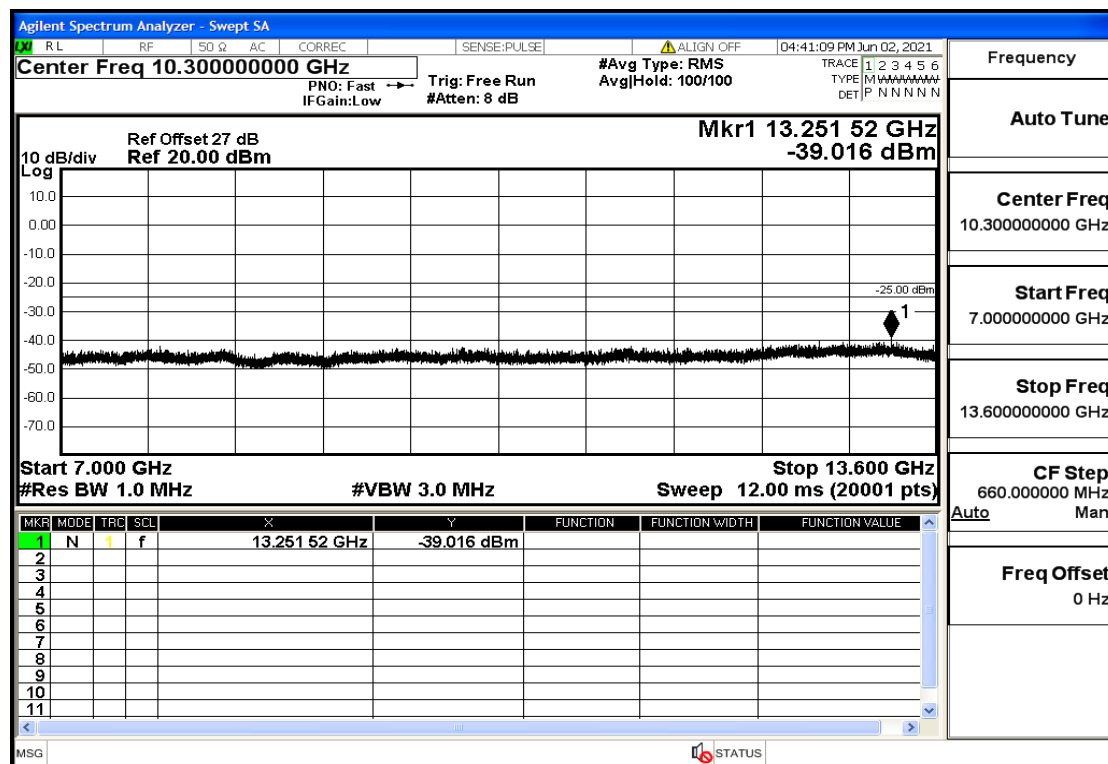
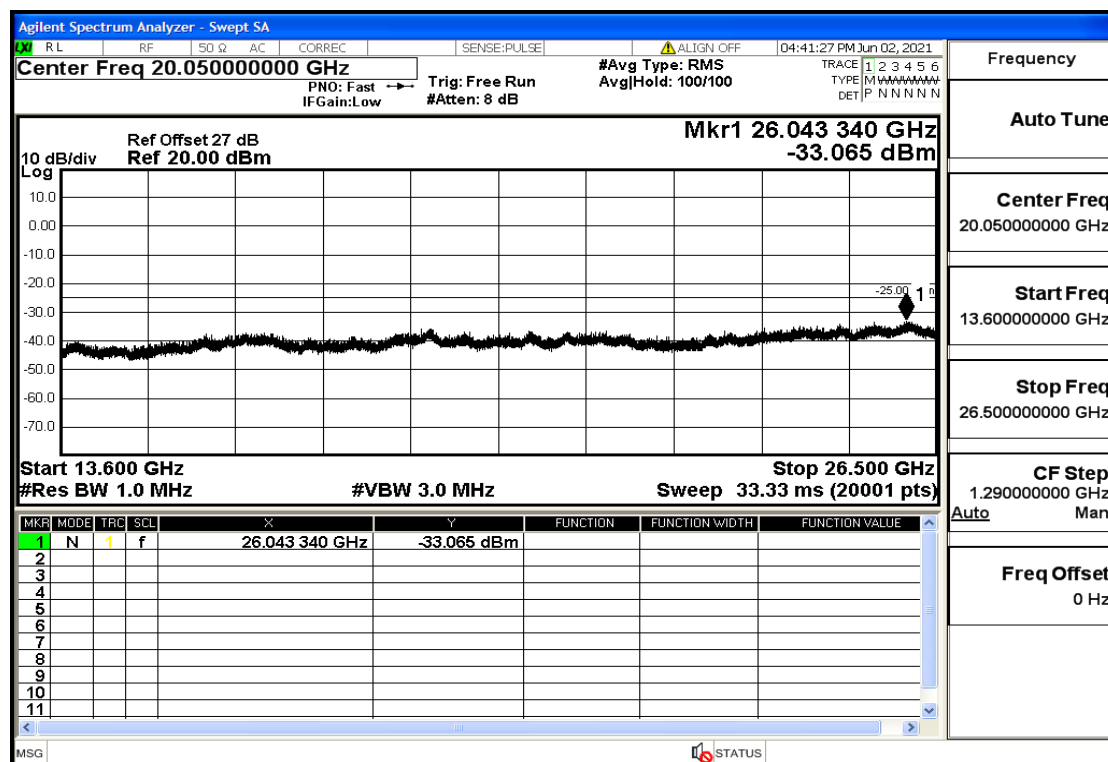


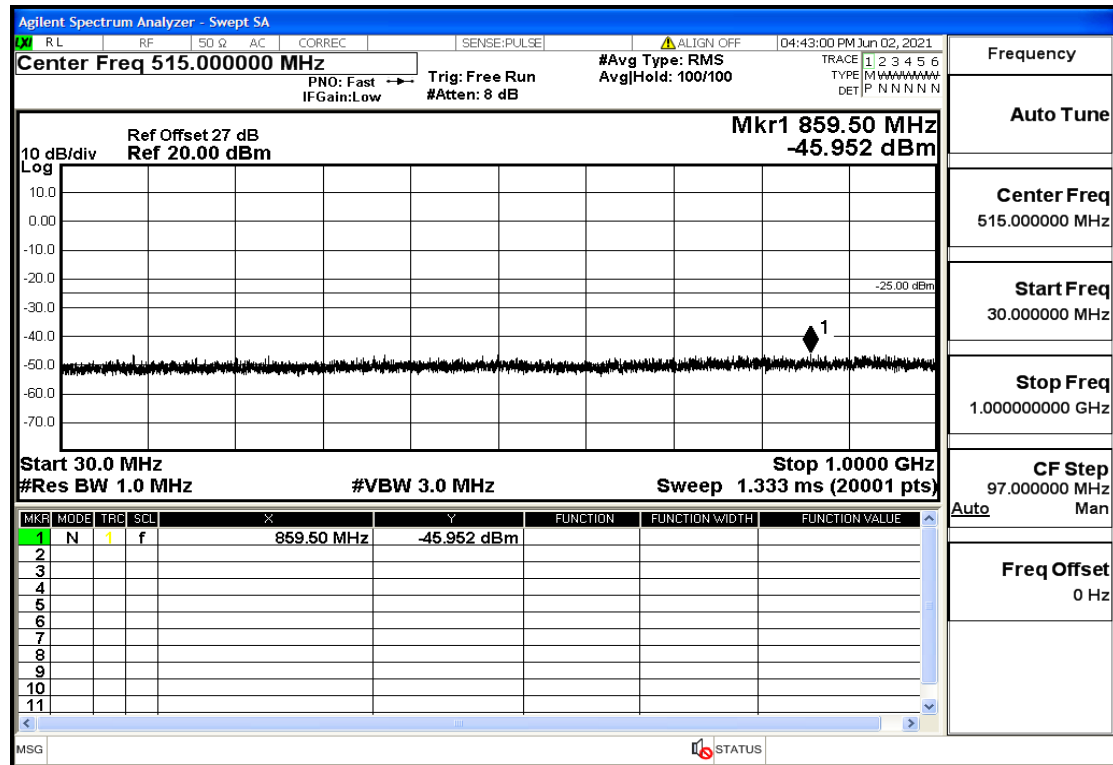
OB41-15-2562.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



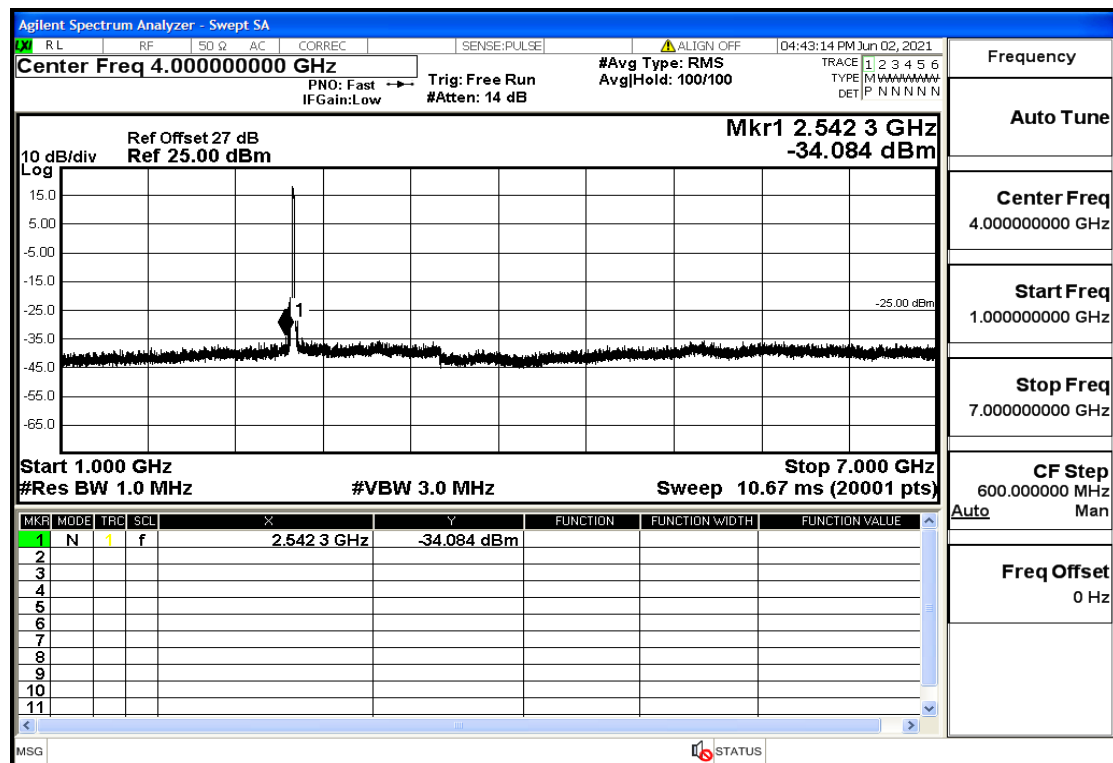
OB41-15-2562.5-QPSK-1#HIGH@13.6GHz-26.5GHz@Pass



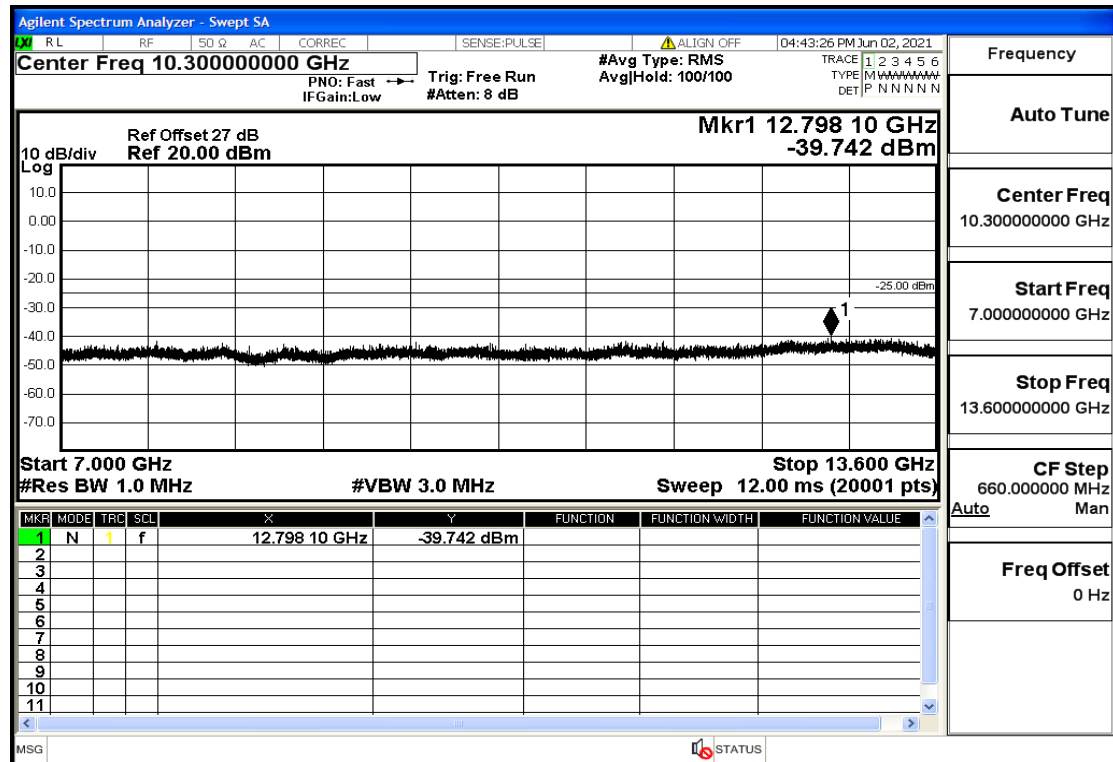
OB41-15-2593-QPSK-75#LOW@30mHz-1GHz@Pass



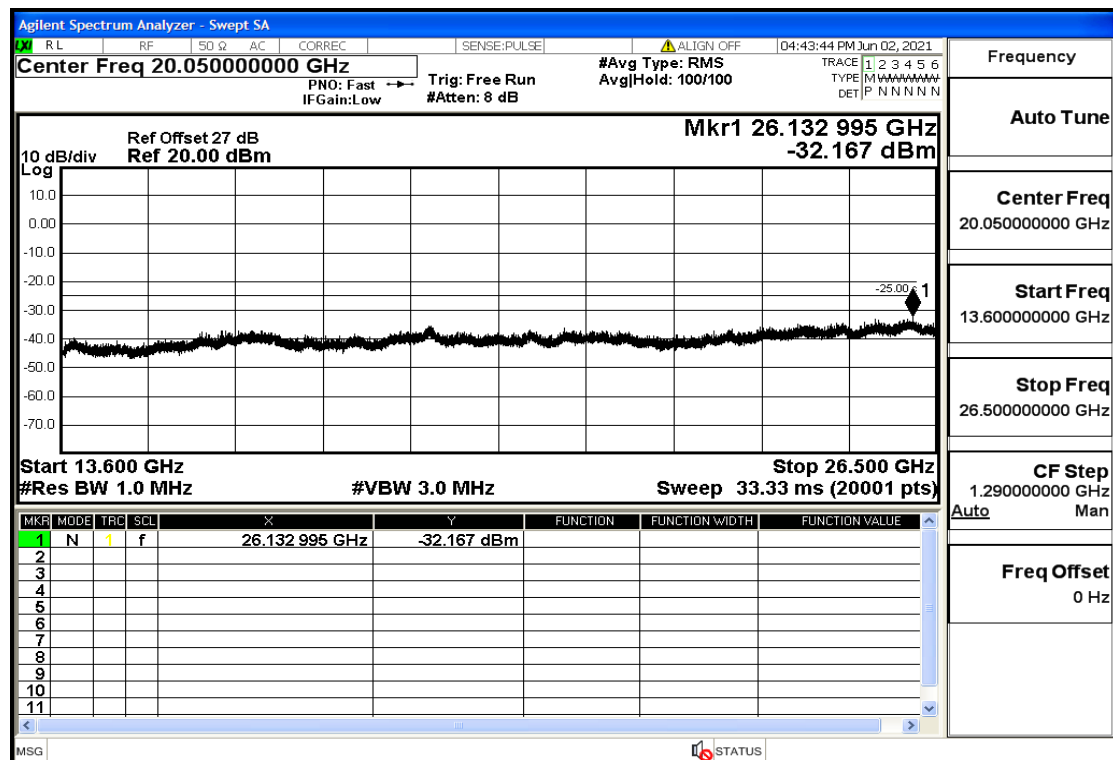
OB41-15-2593-QPSK-75#LOW@1GHz-7GHz@Pass



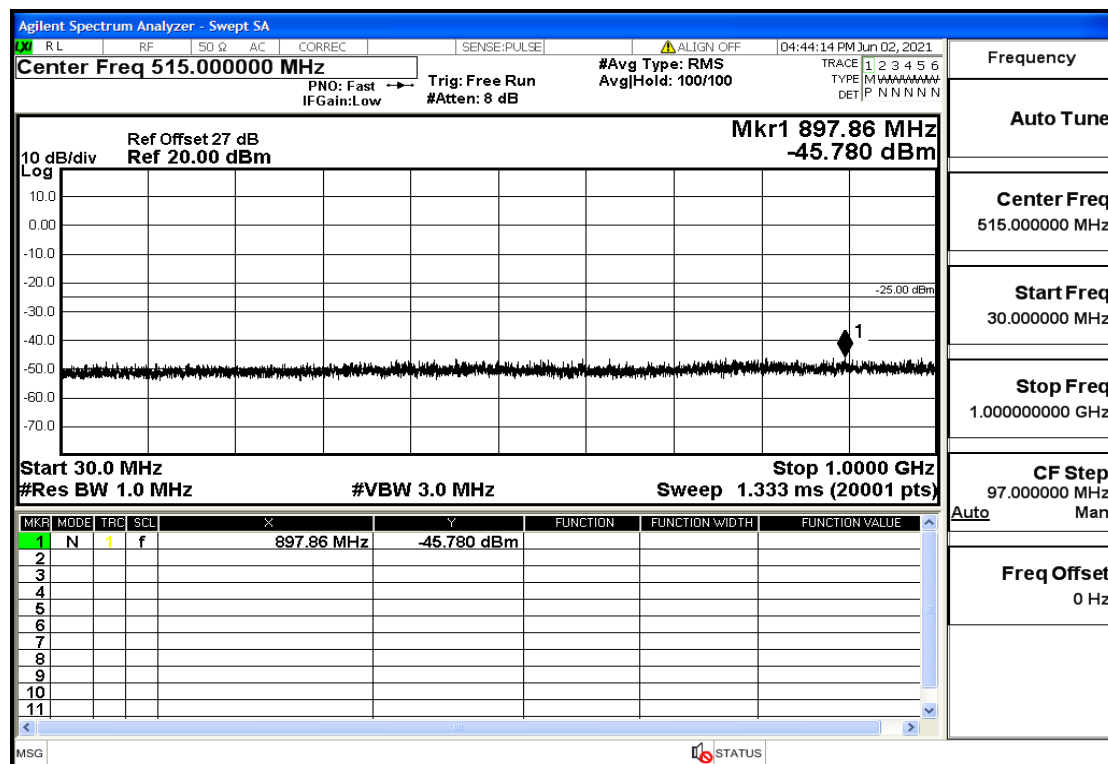
OB41-15-2593-QPSK-75#LOW@7GHz-13.6GHz@Pass



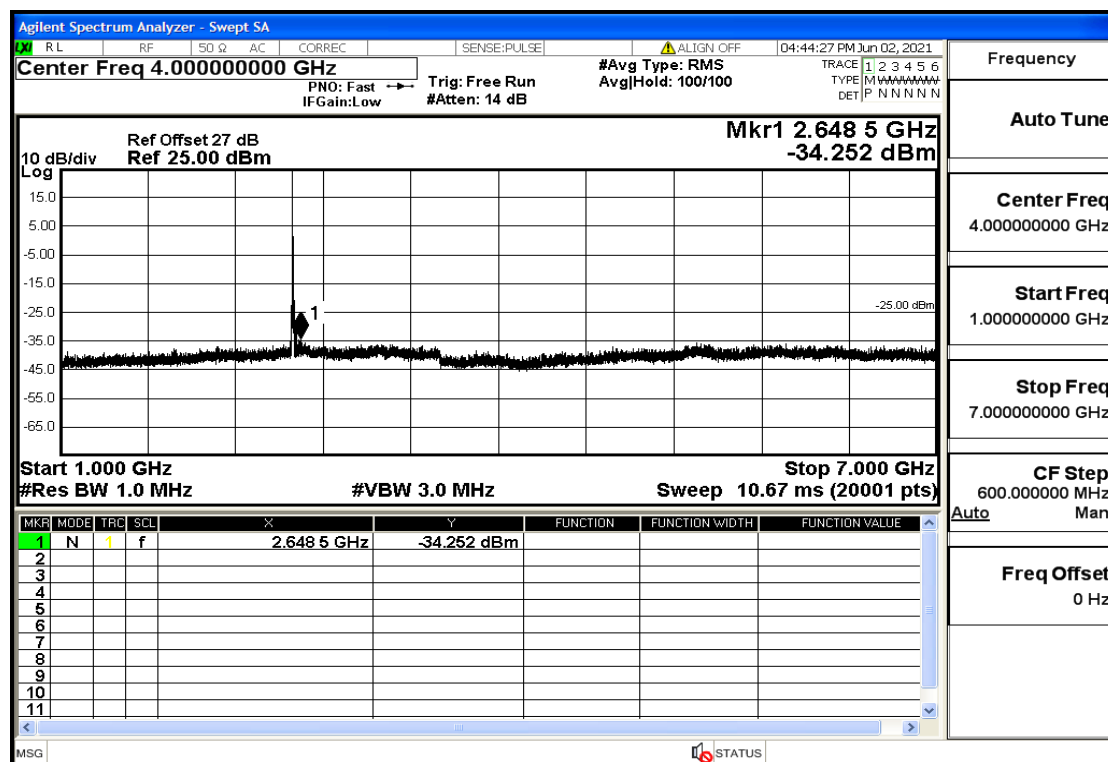
OB41-15-2593-QPSK-75#LOW@13.6GHz-26.5GHz@Pass



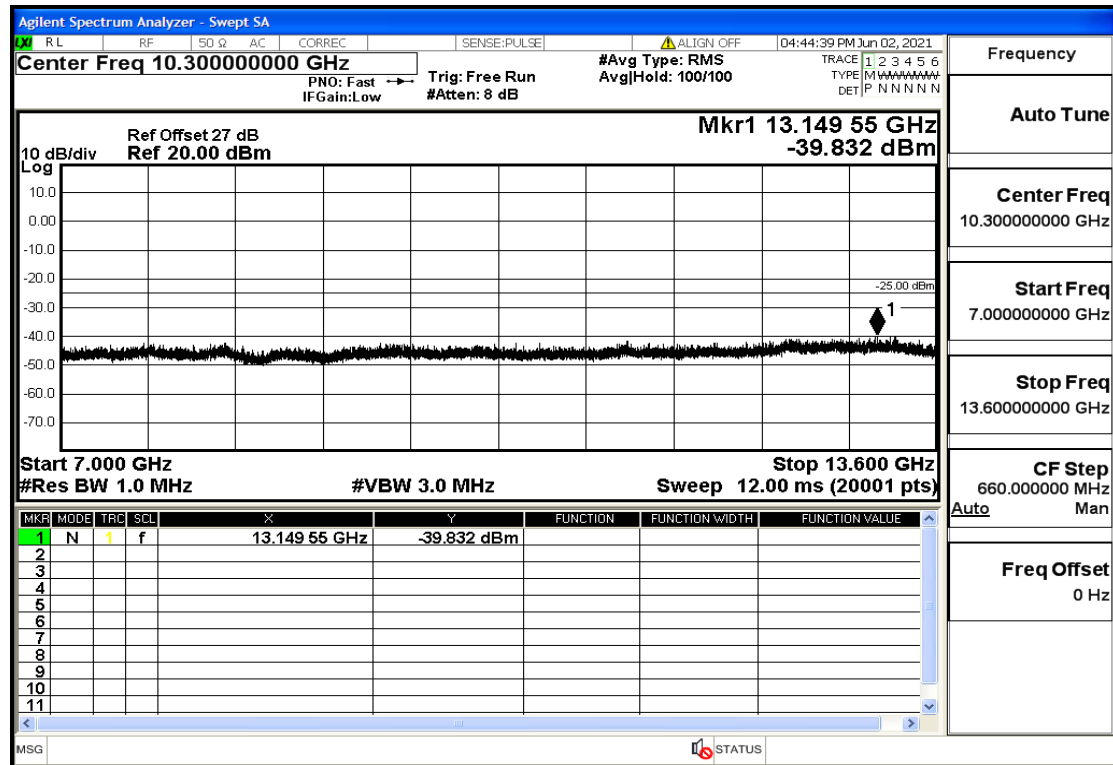
OB41-15-2593-QPSK-1#LOW@30mHz-1GHz@Pass



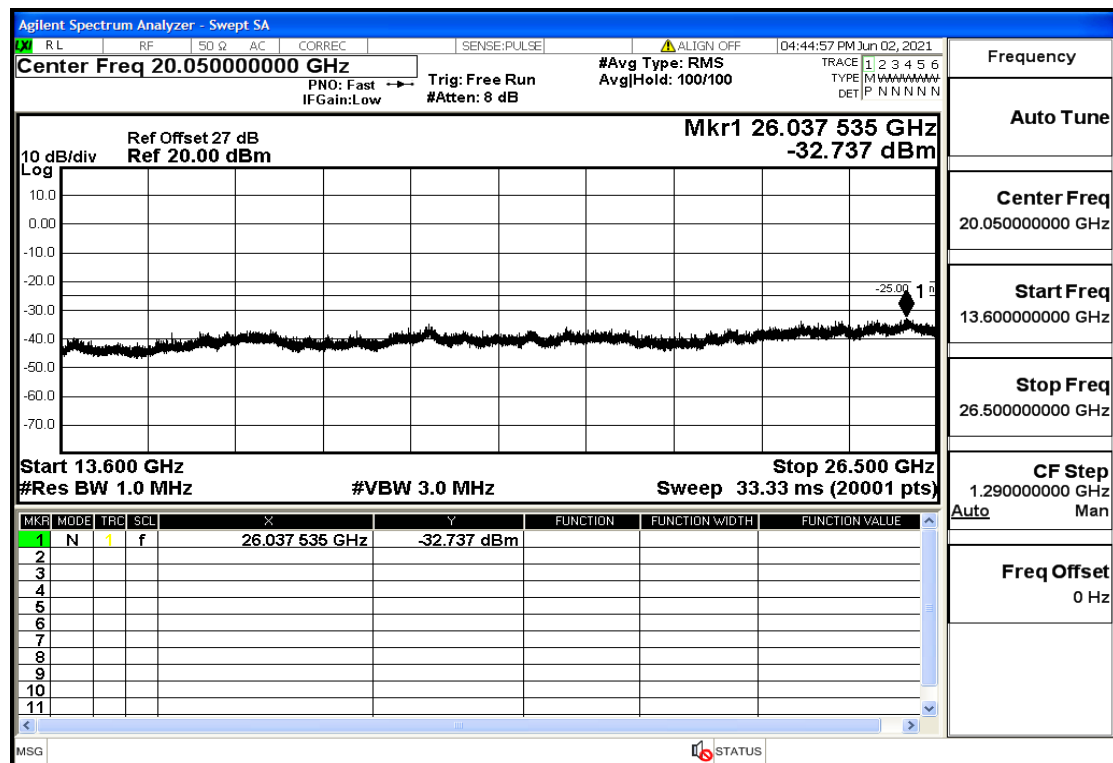
OB41-15-2593-QPSK-1#LOW@1GHz-7GHz@Pass



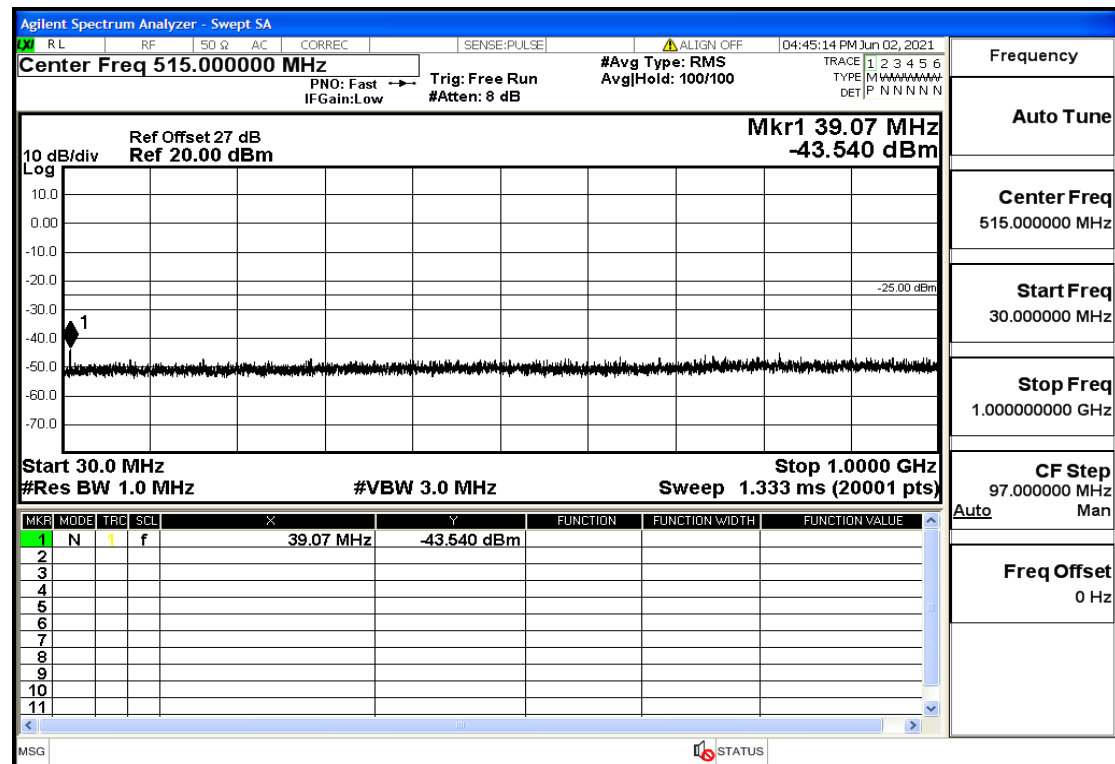
OB41-15-2593-QPSK-1#LOW@7GHz-13.6GHz@Pass



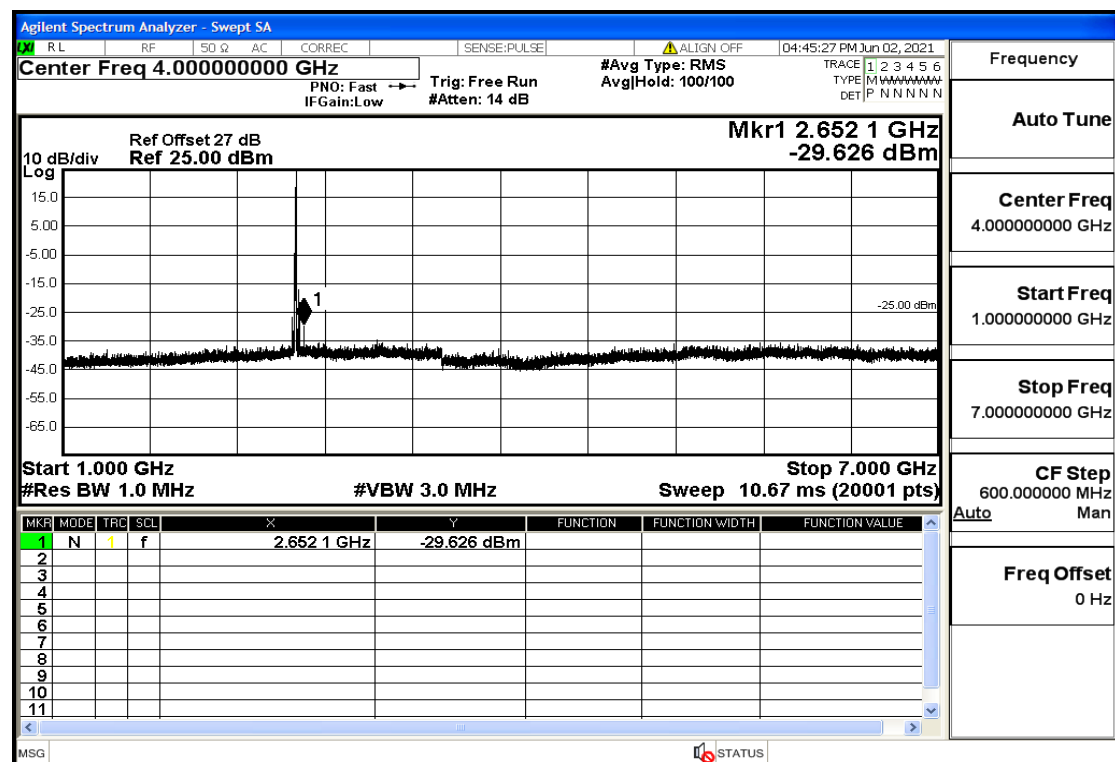
OB41-15-2593-QPSK-1#LOW@13.6GHz-26.5GHz@Pass



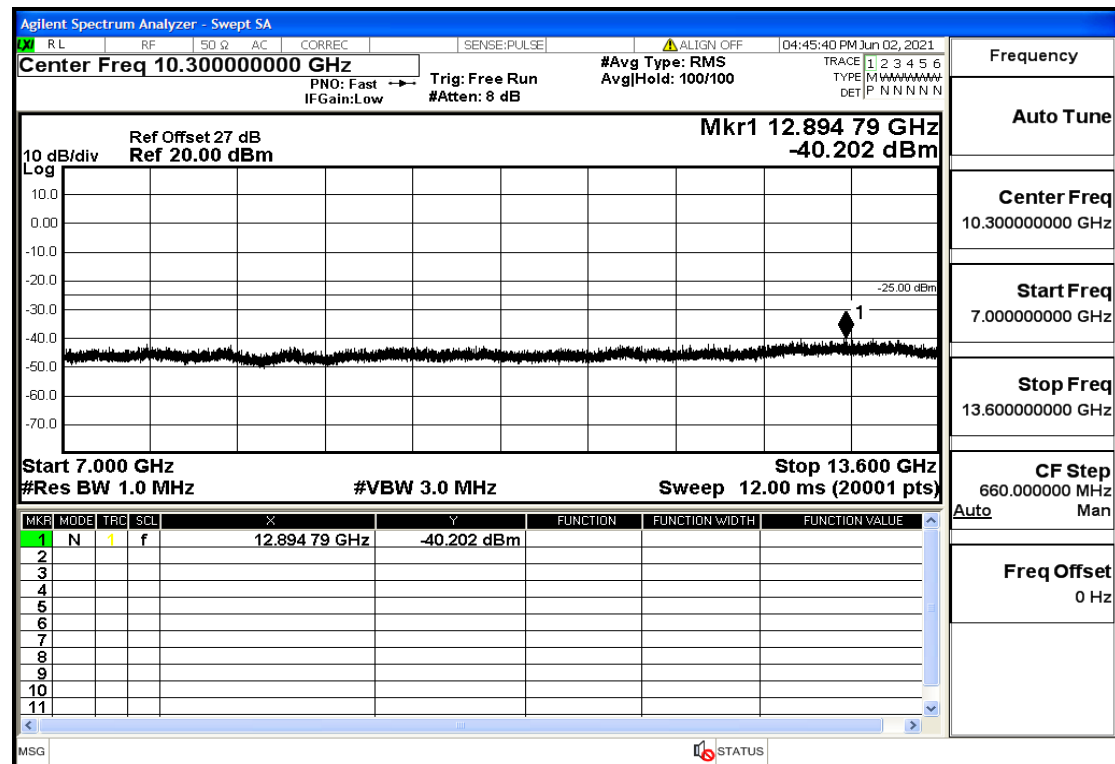
OB41-15-2593-QPSK-1#HIGH@30mHz-1GHz@Pass



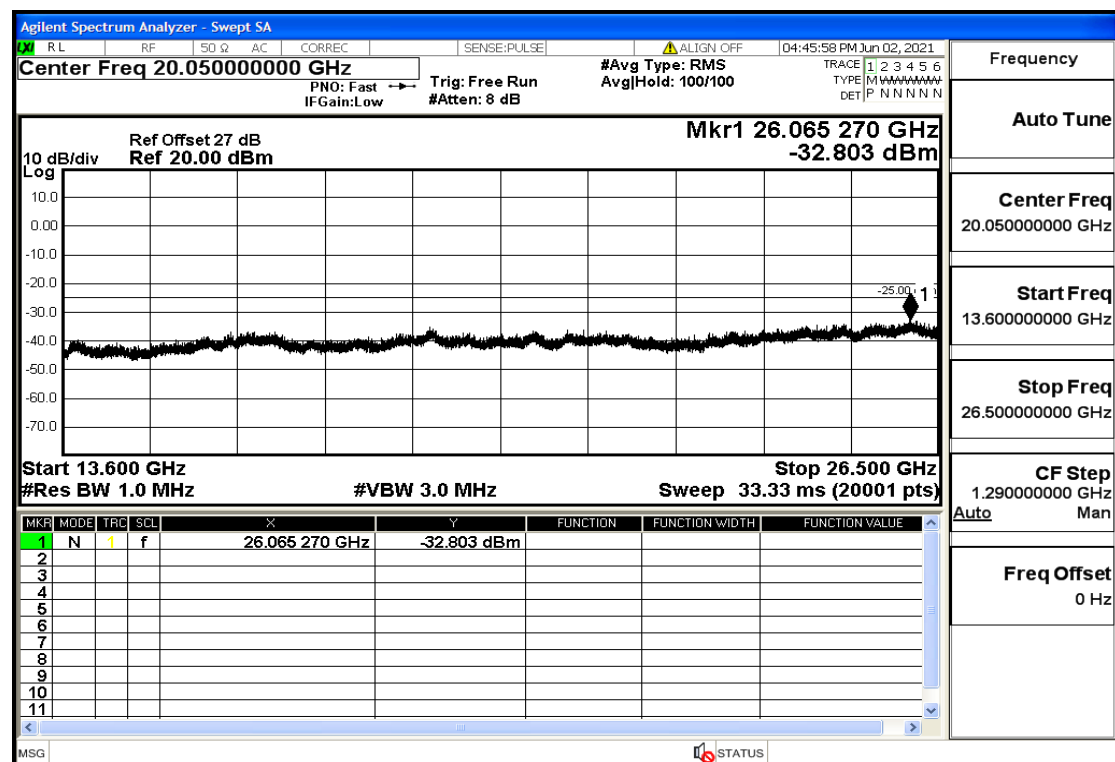
OB41-15-2593-QPSK-1#HIGH@1GHz-7GHz@Pass



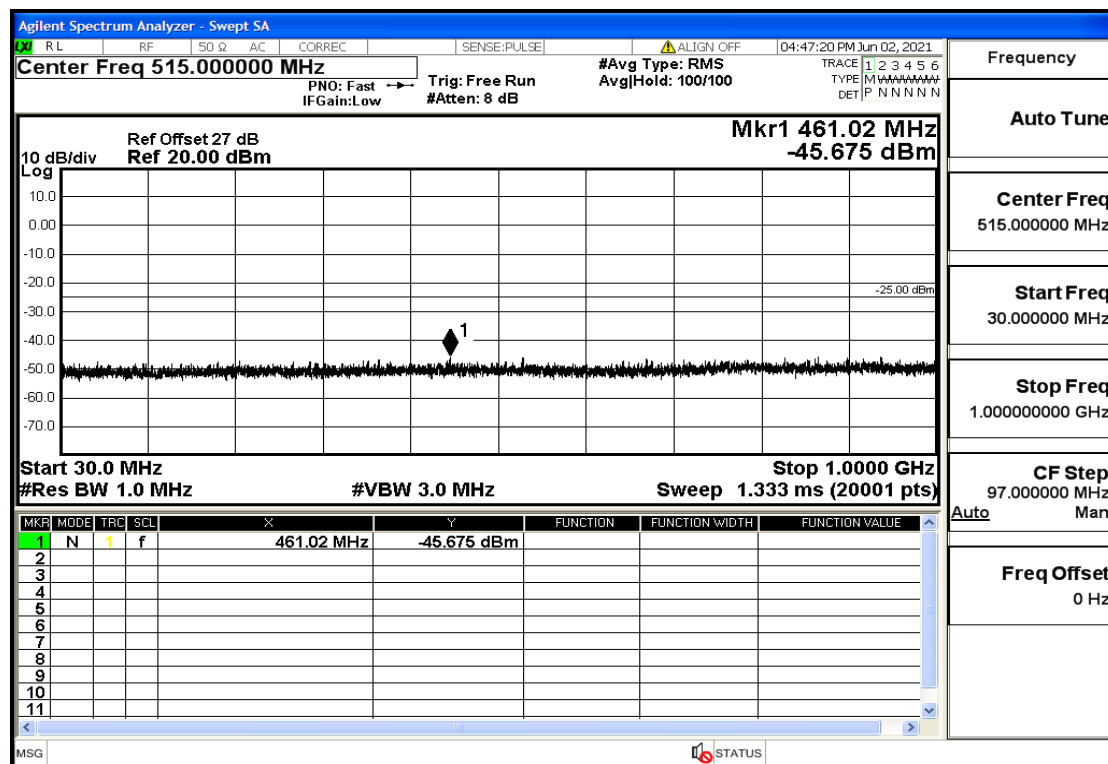
OB41-15-2593-QPSK-1#HIGH@7GHz-13.6GHz@Pass



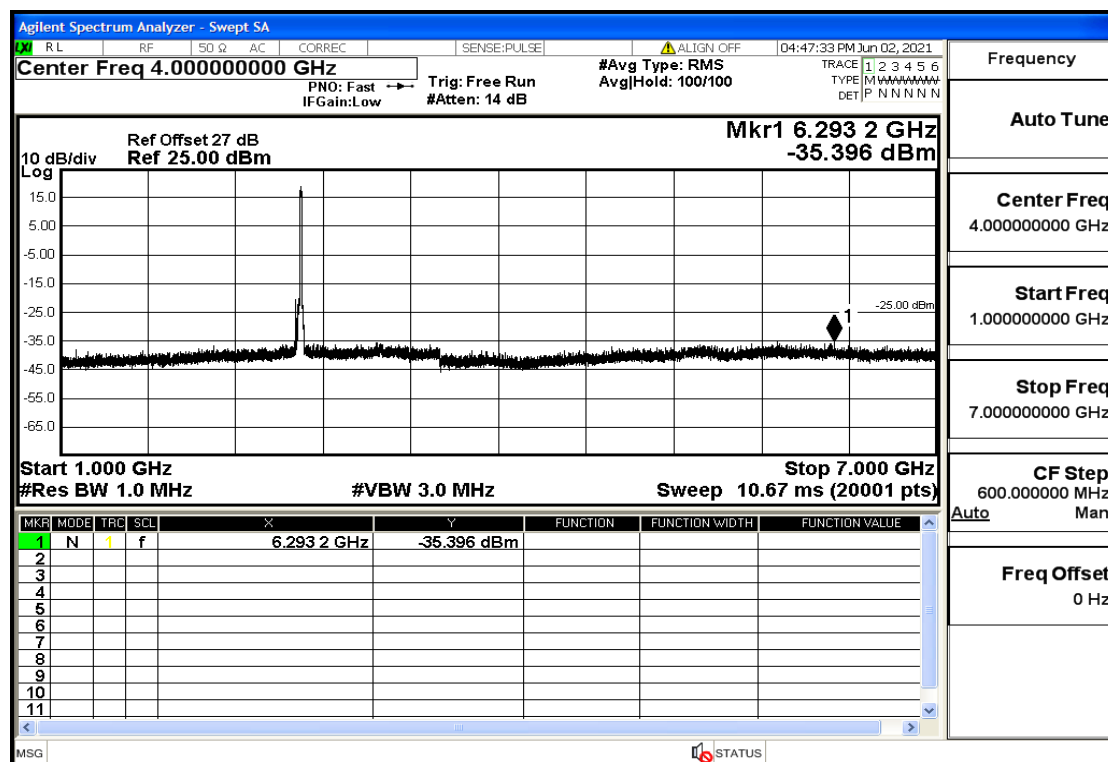
OB41-15-2593-QPSK-1#HIGH@13.6GHz-26.5GHz@Pass



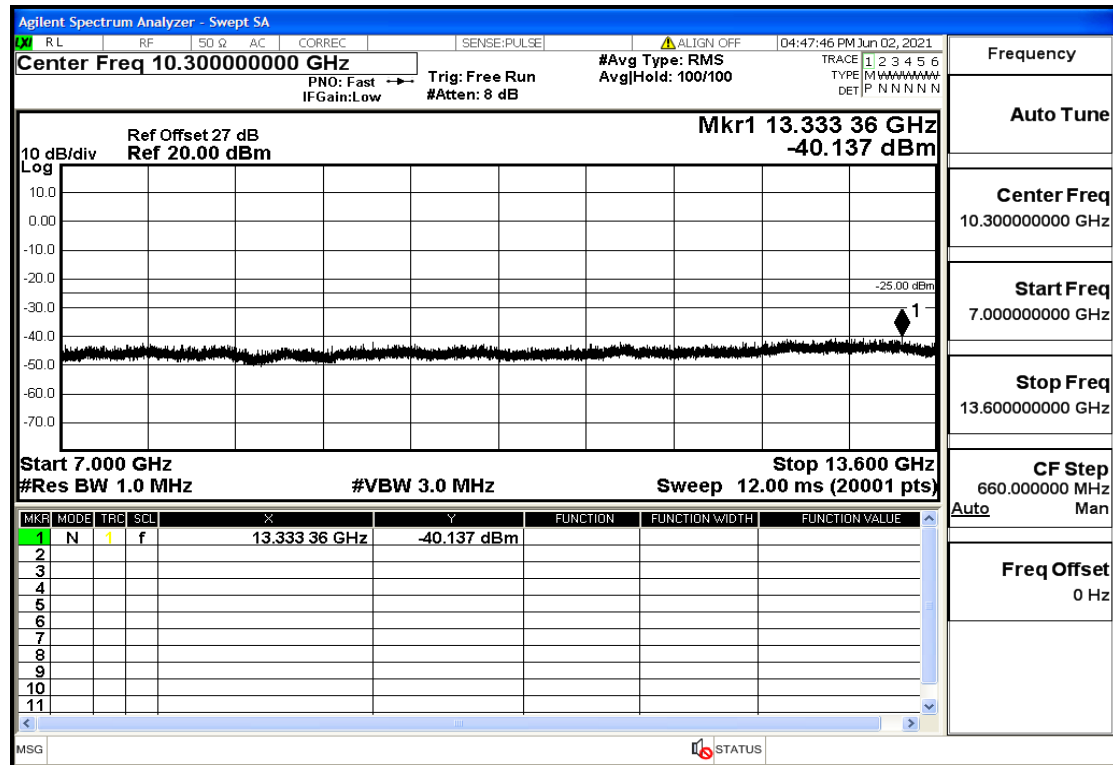
OB41-15-2647.5-QPSK-75#LOW@30mHz-1GHz@Pass



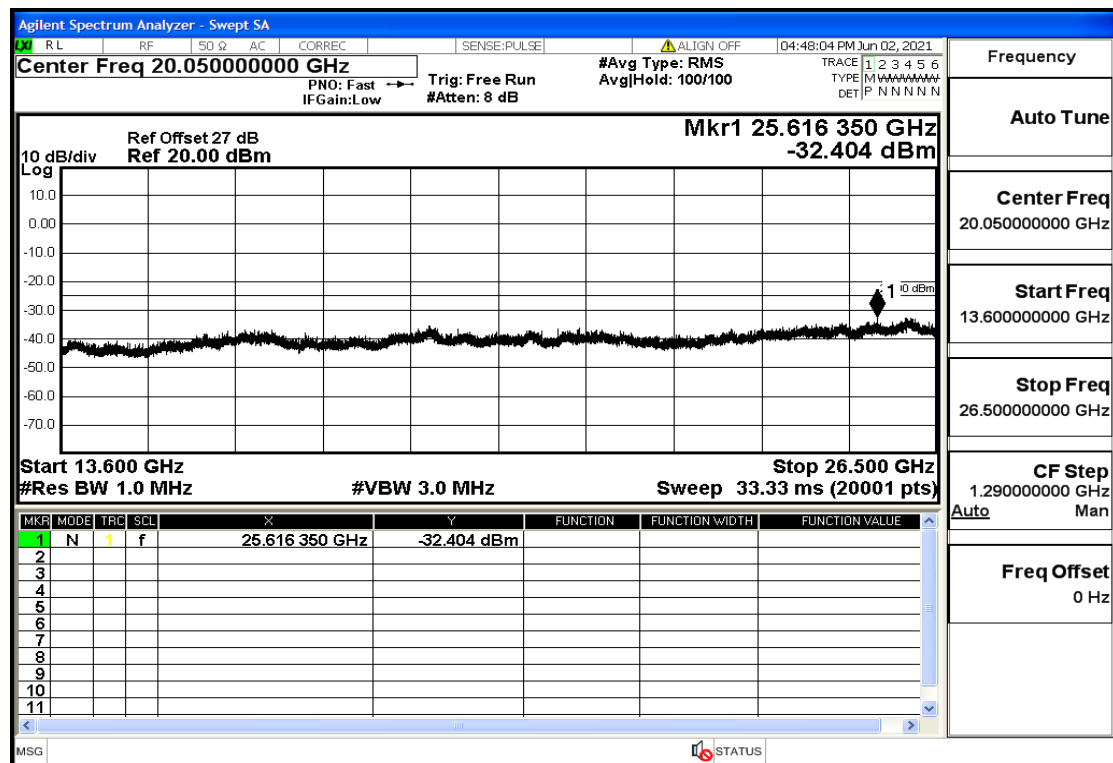
OB41-15-2647.5-QPSK-75#LOW@1GHz-7GHz@Pass



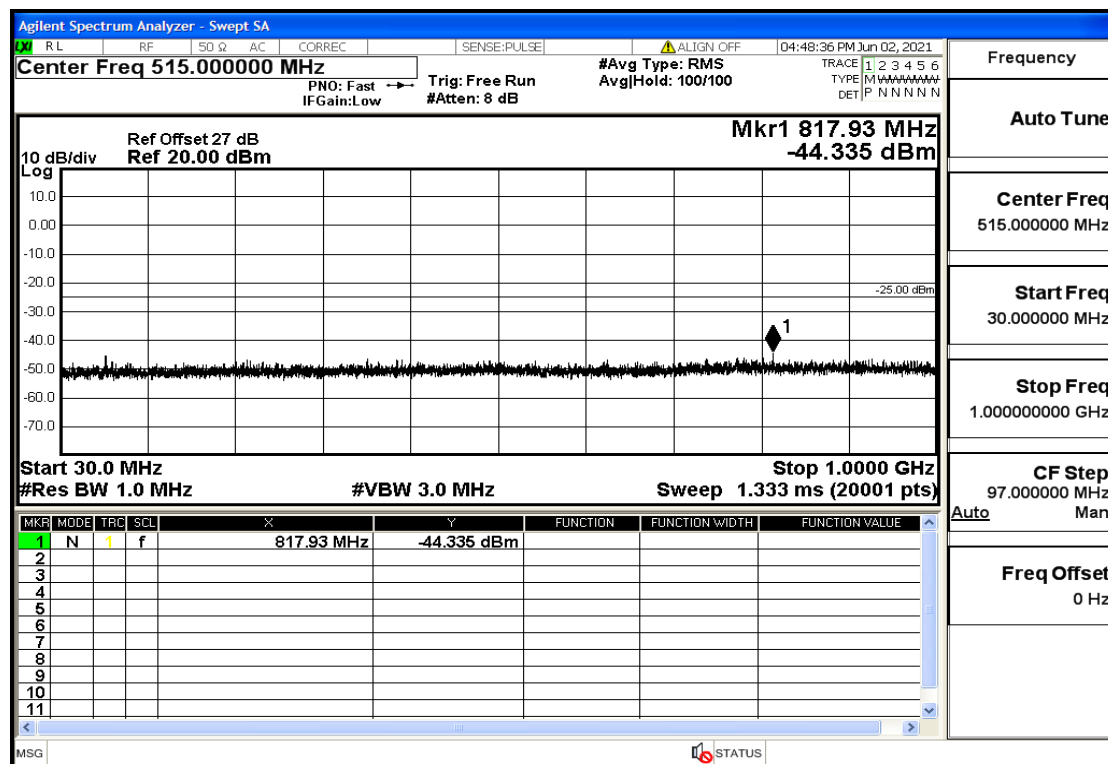
OB41-15-2647.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



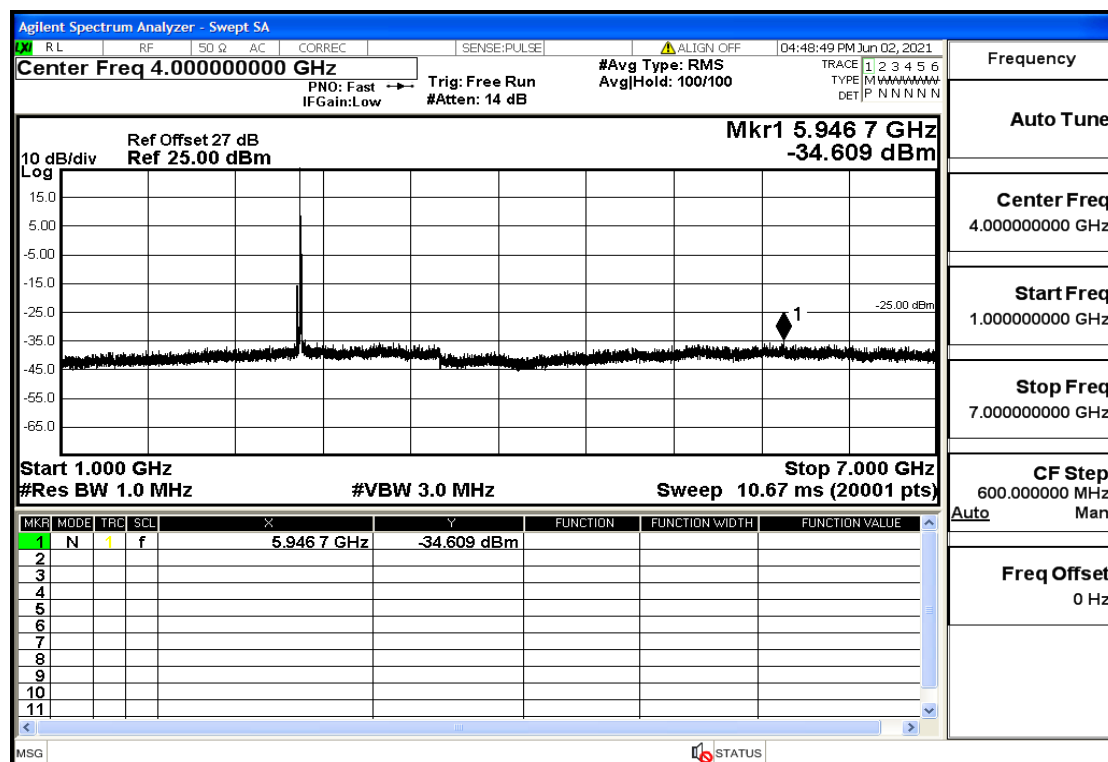
OB41-15-2647.5-QPSK-75#LOW@13.6GHz-26.5GHz@Pass



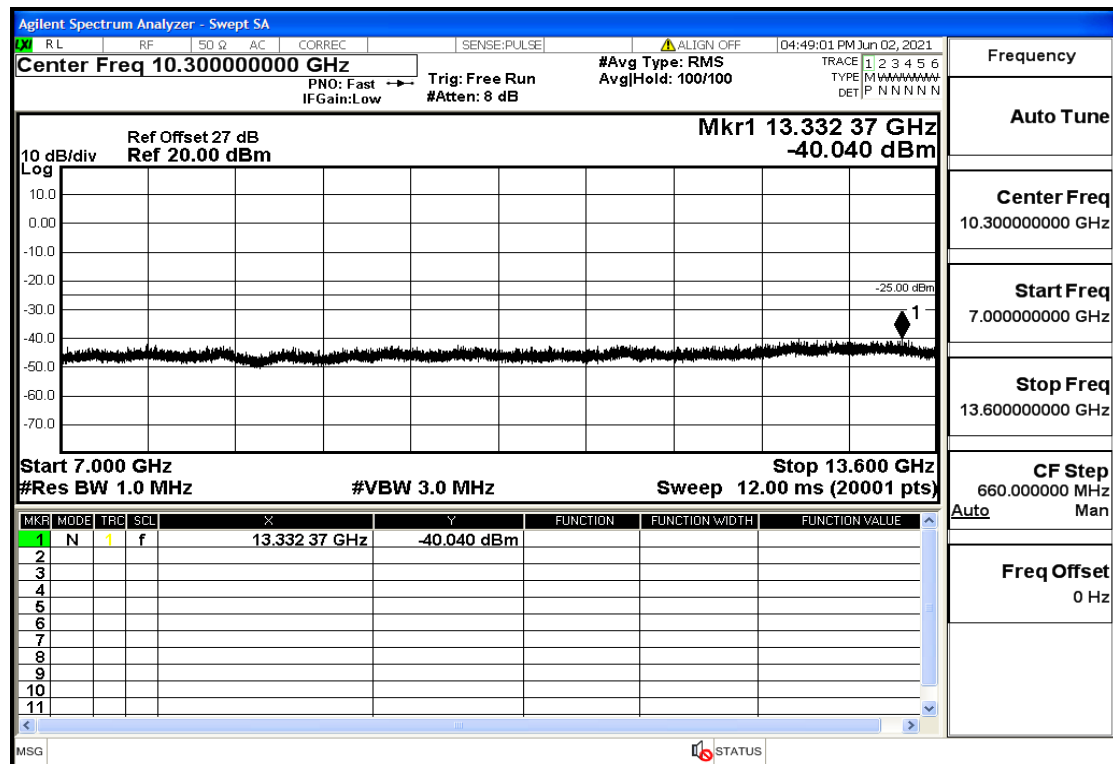
OB41-15-2647.5-QPSK-1#LOW@30mHz-1GHz@Pass



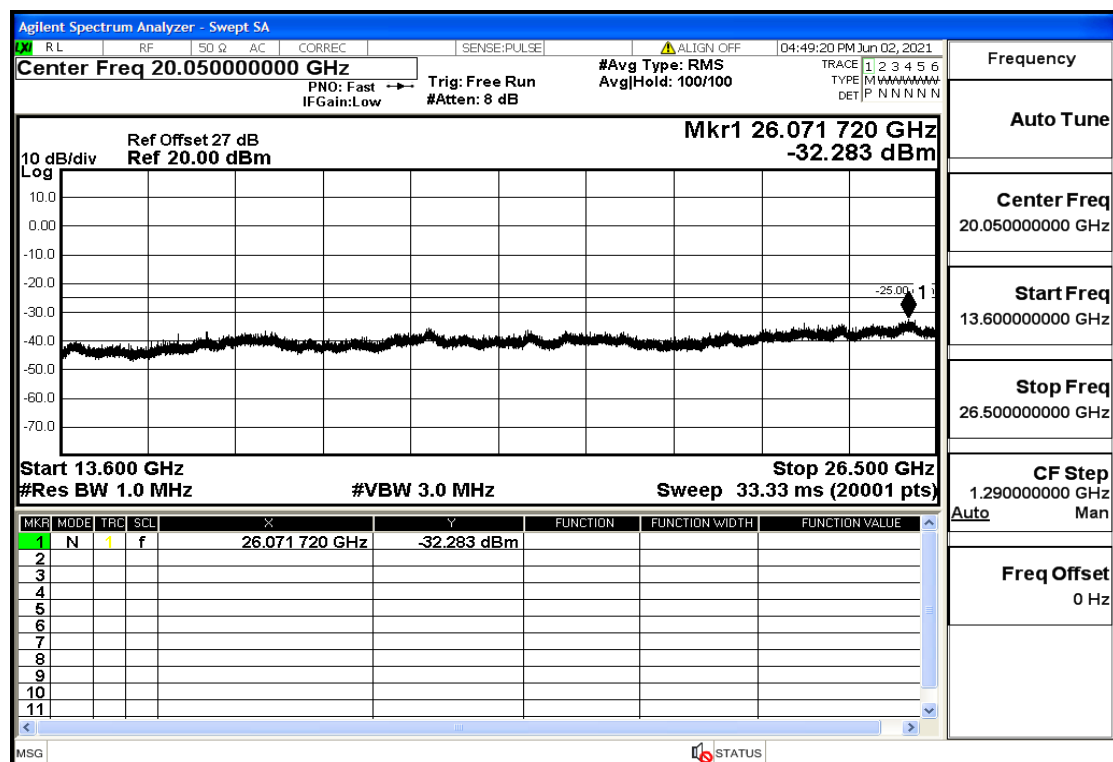
OB41-15-2647.5-QPSK-1#LOW@1GHz-7GHz@Pass



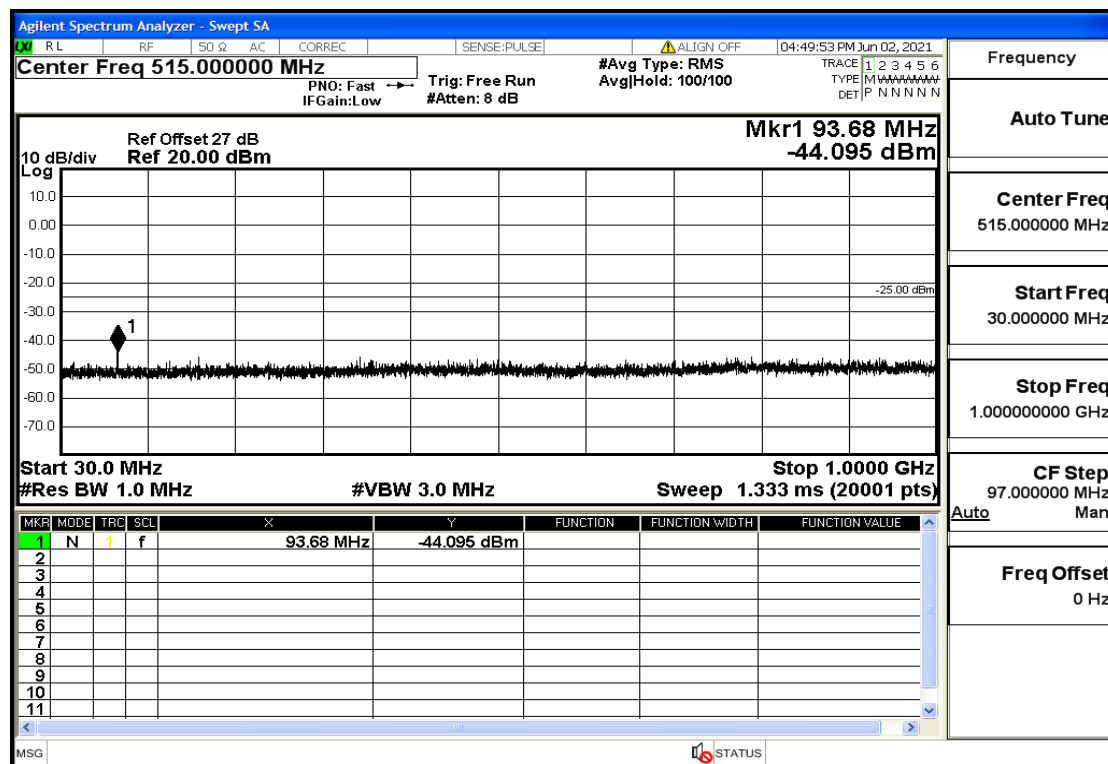
OB41-15-2647.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



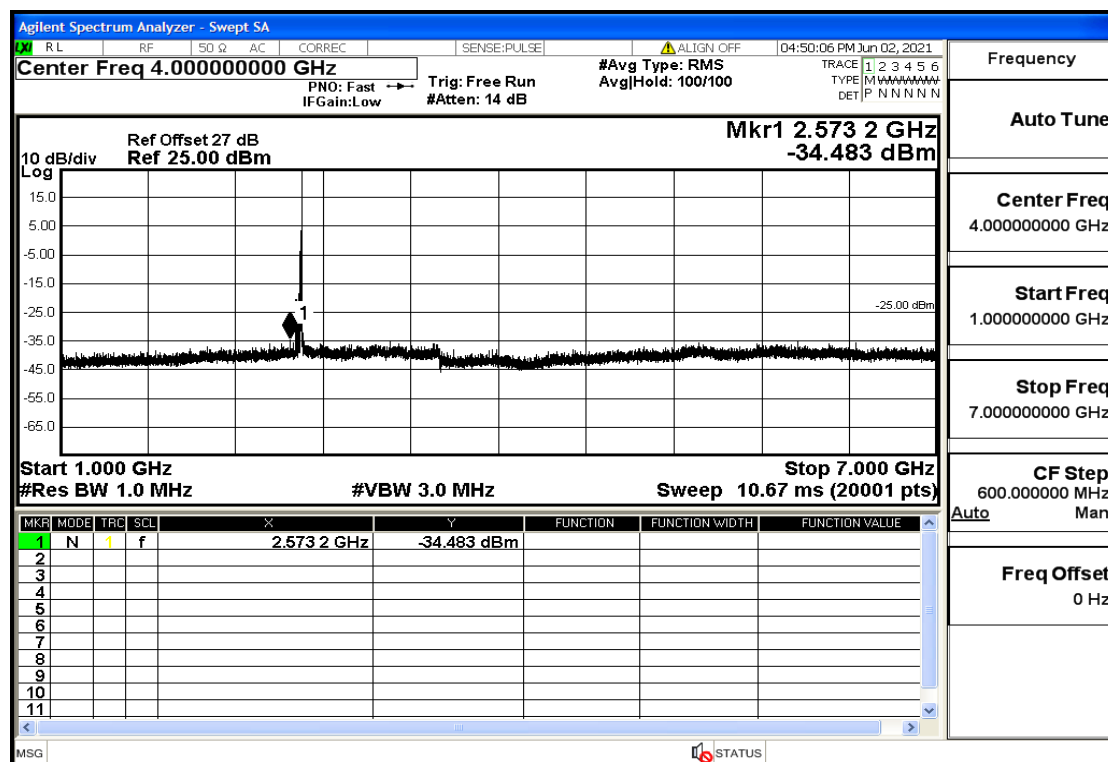
OB41-15-2647.5-QPSK-1#LOW@13.6GHz-26.5GHz@Pass



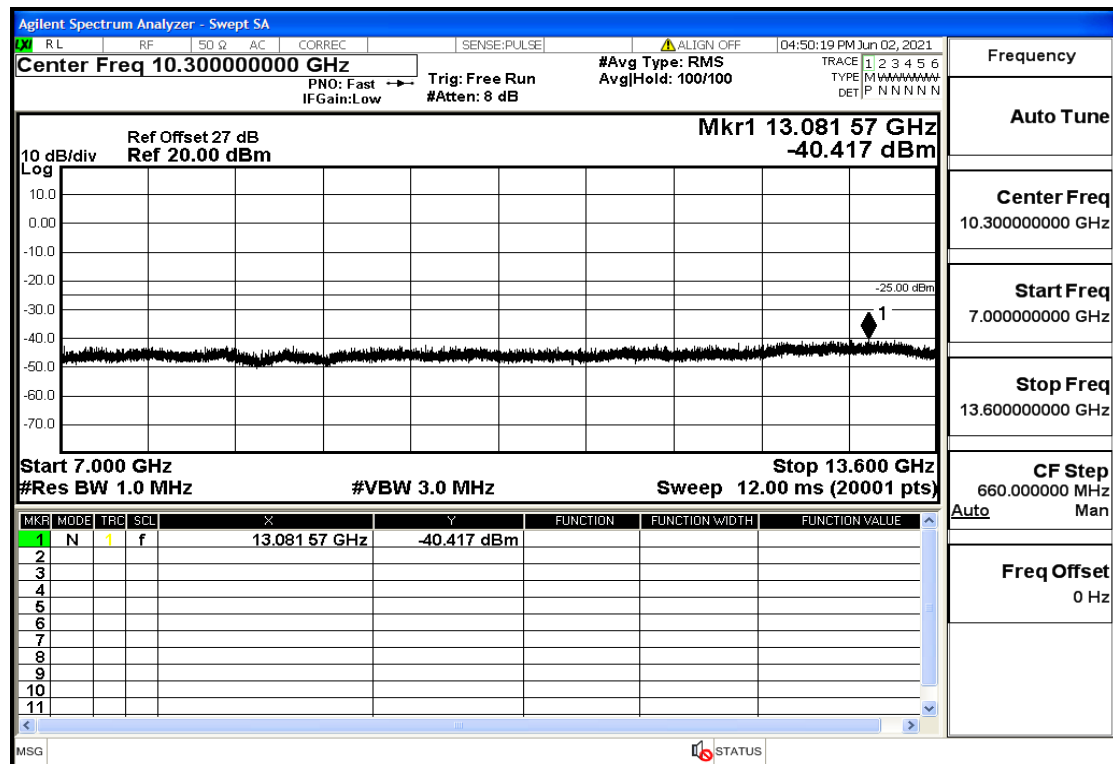
OB41-15-2647.5-QPSK-1#HIGH@30mHz-1GHz@Pass



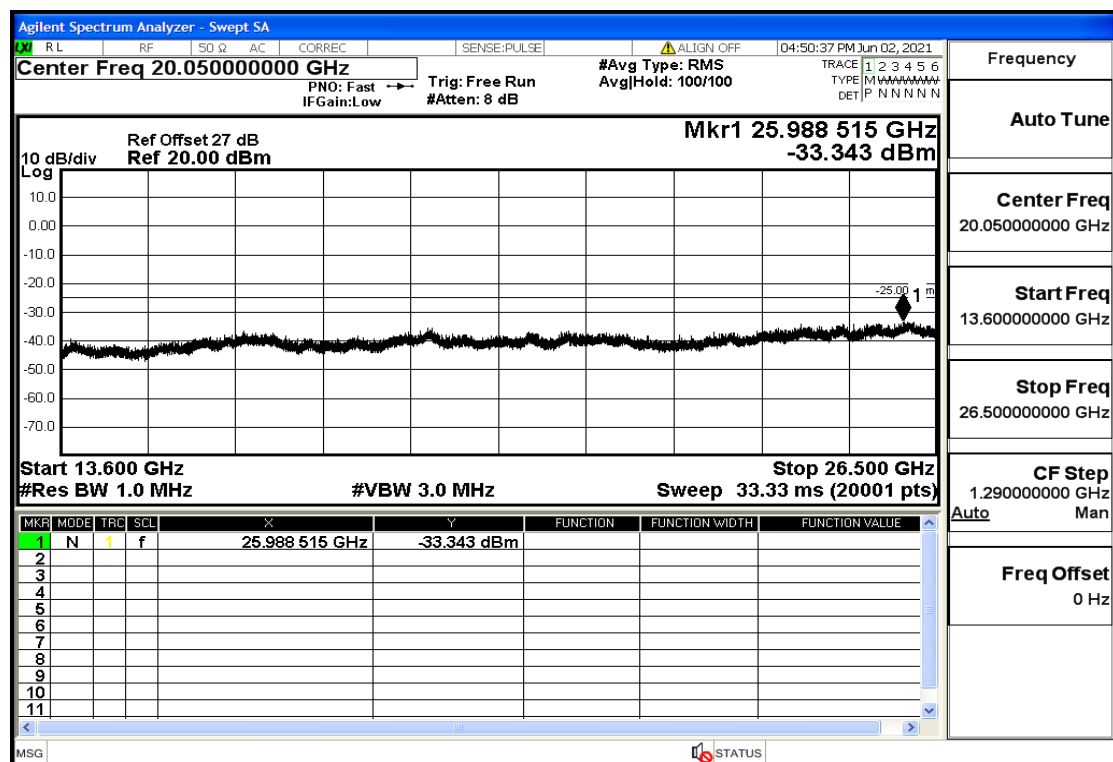
OB41-15-2647.5-QPSK-1#HIGH@1GHz-7GHz@Pass



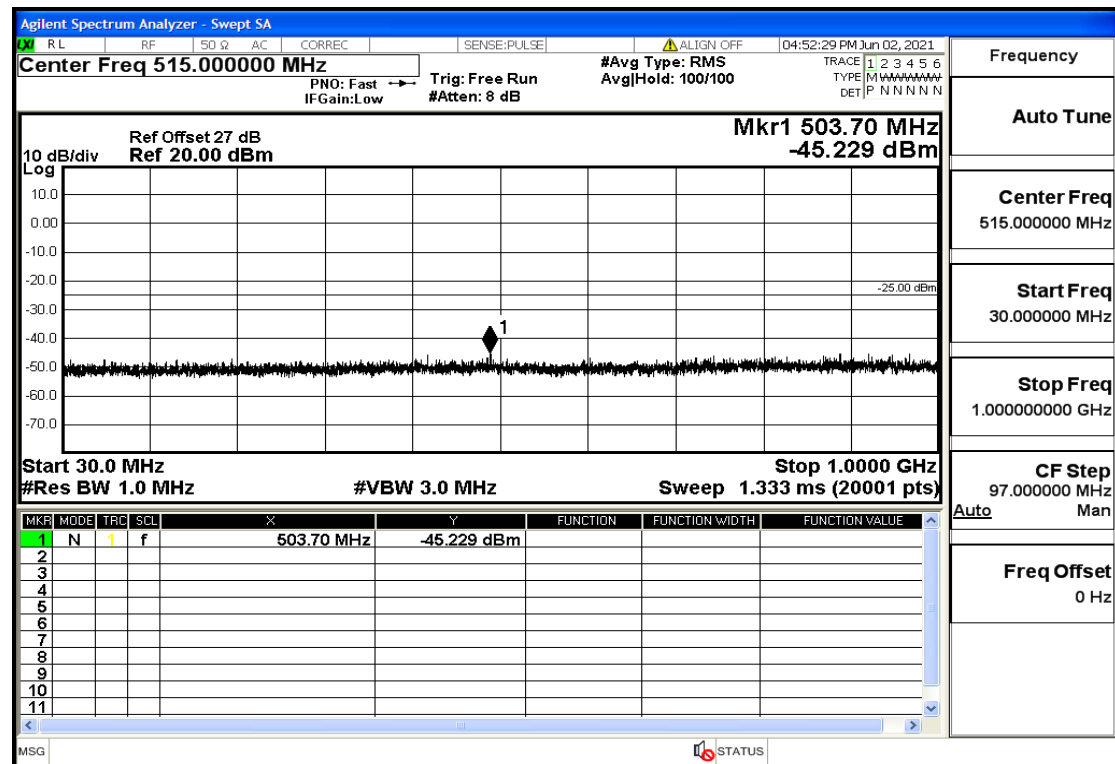
OB41-15-2647.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



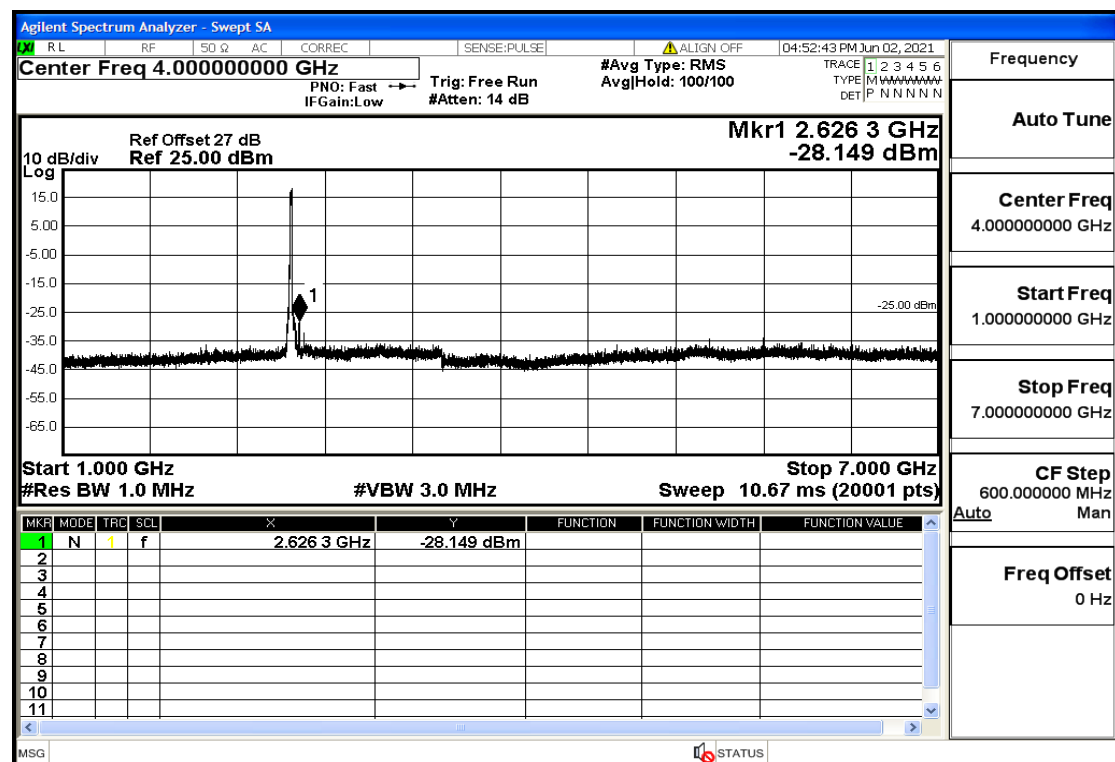
OB41-15-2647.5-QPSK-1#HIGH@13.6GHz-26.5GHz@Pass



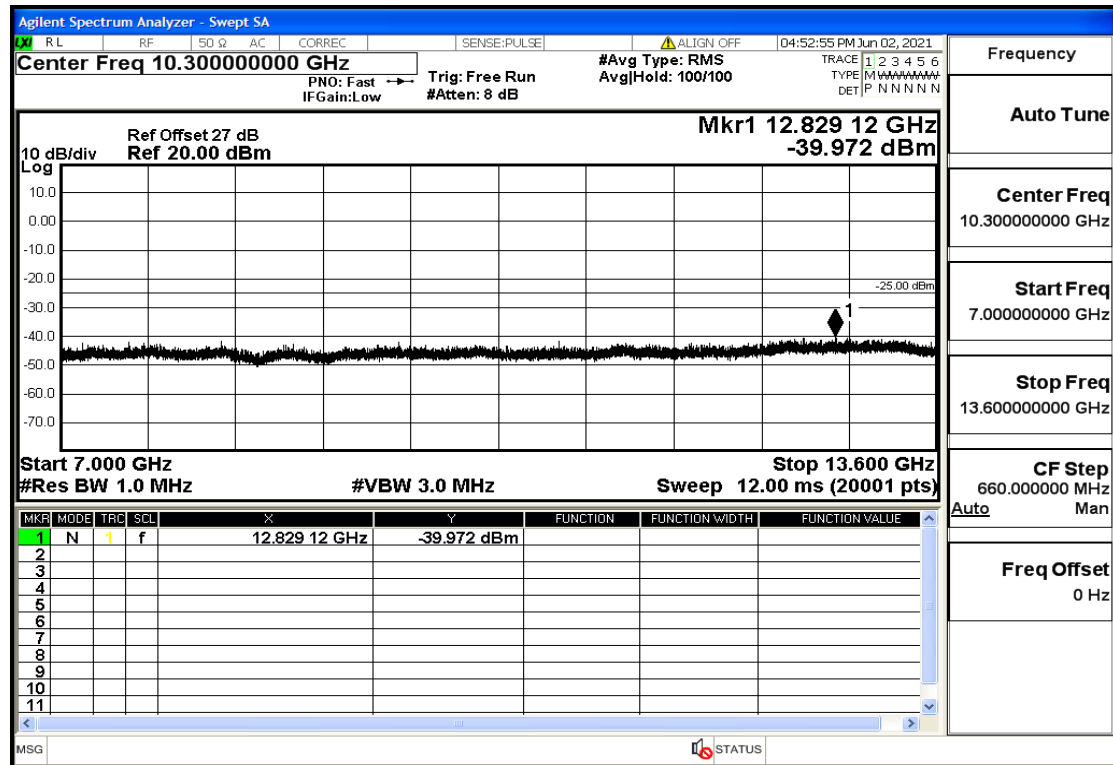
OB41-20-2565-QPSK-100#LOW@30mHz-1GHz@Pass



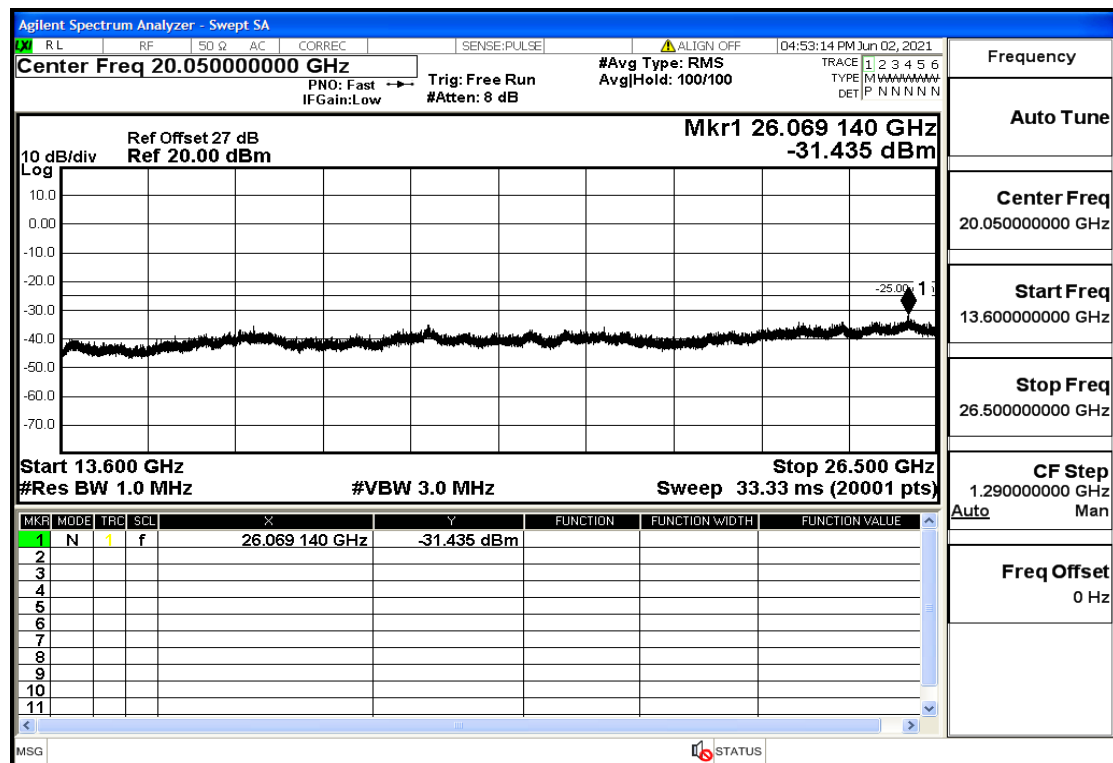
OB41-20-2565-QPSK-100#LOW@1GHz-7GHz@Pass



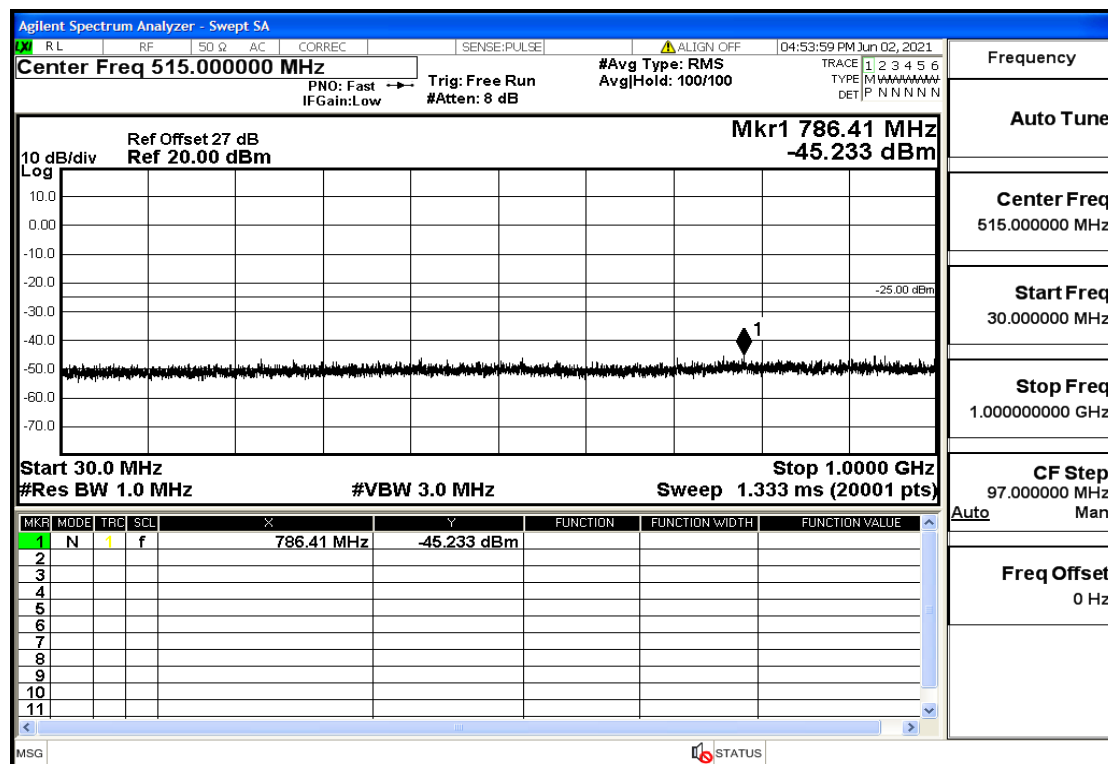
OB41-20-2565-QPSK-100#LOW@7GHz-13.6GHz@Pass



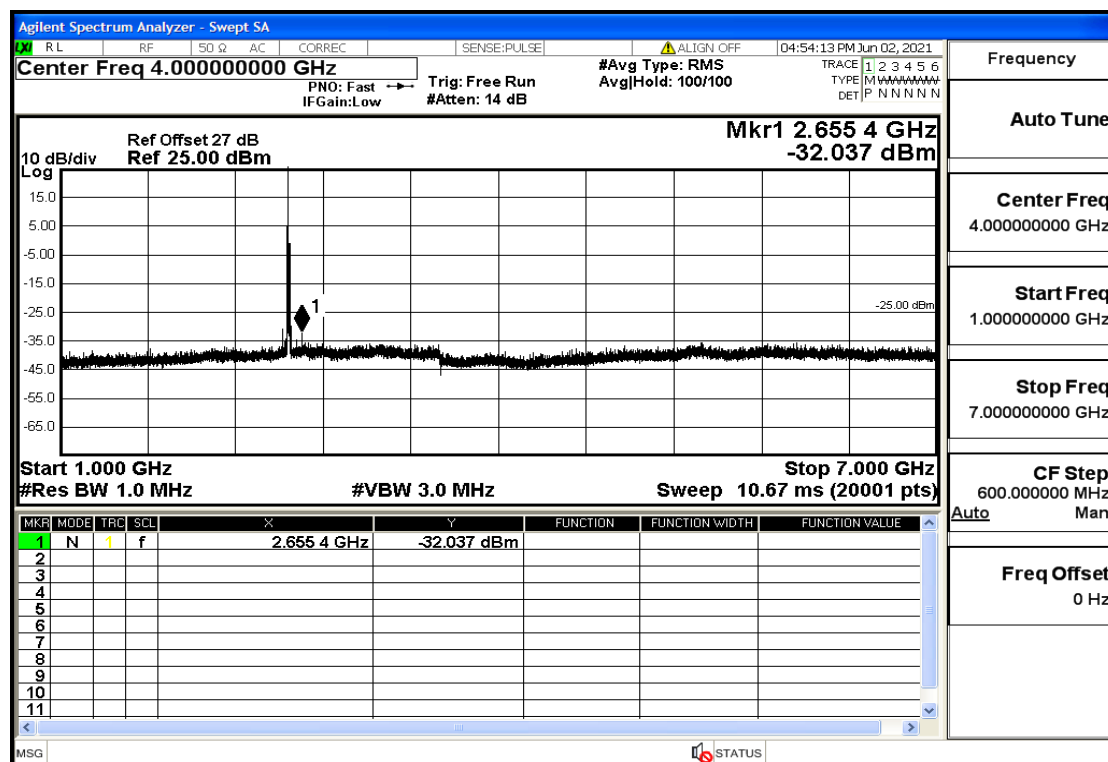
OB41-20-2565-QPSK-100#LOW@13.6GHz-26.5GHz@Pass



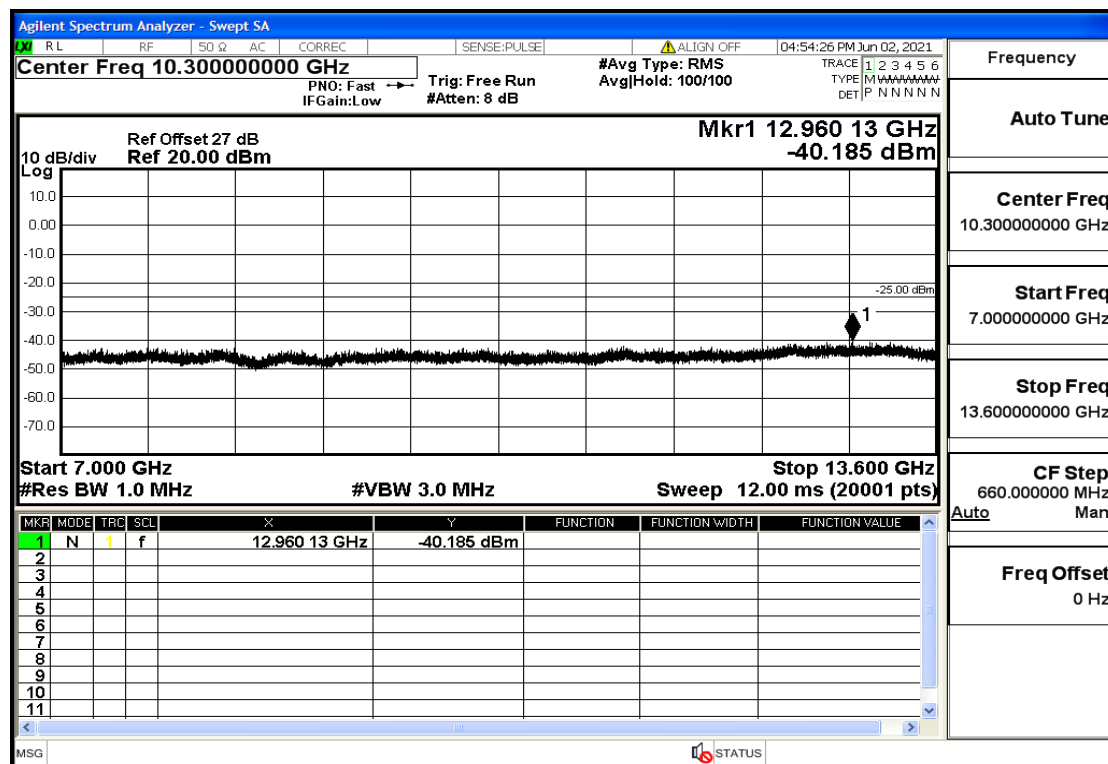
OB41-20-2565-QPSK-1#LOW@30mHz-1GHz@Pass



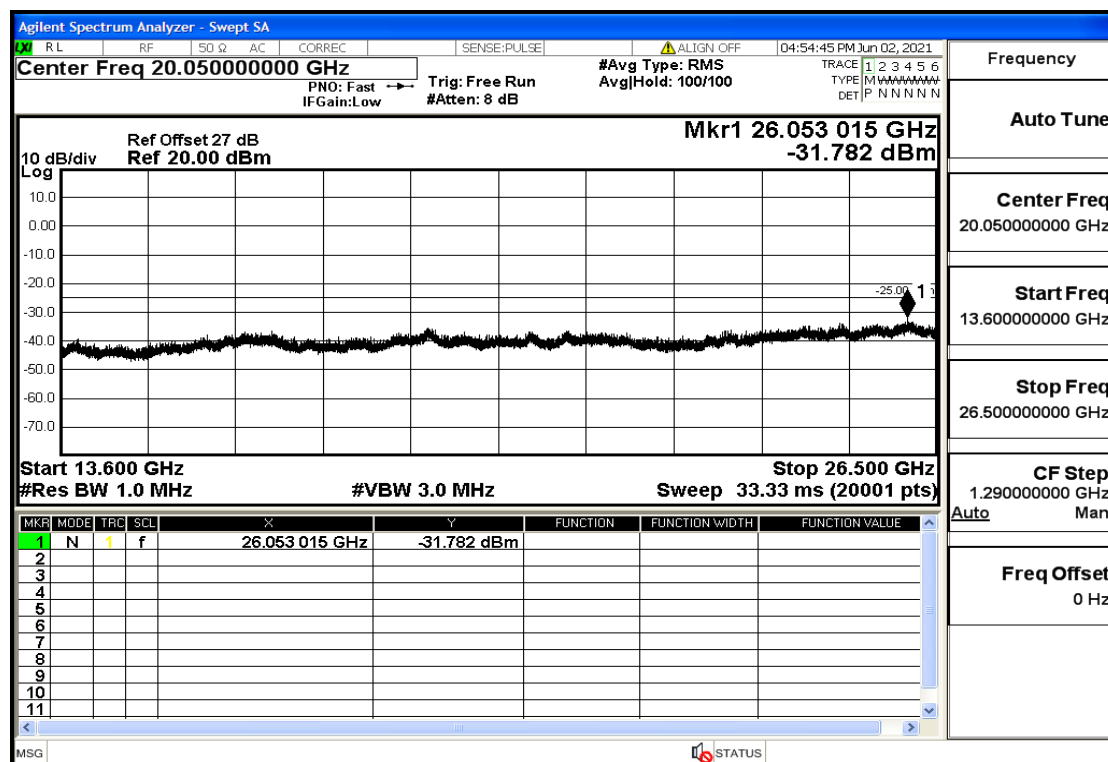
OB41-20-2565-QPSK-1#LOW@1GHz-7GHz@Pass



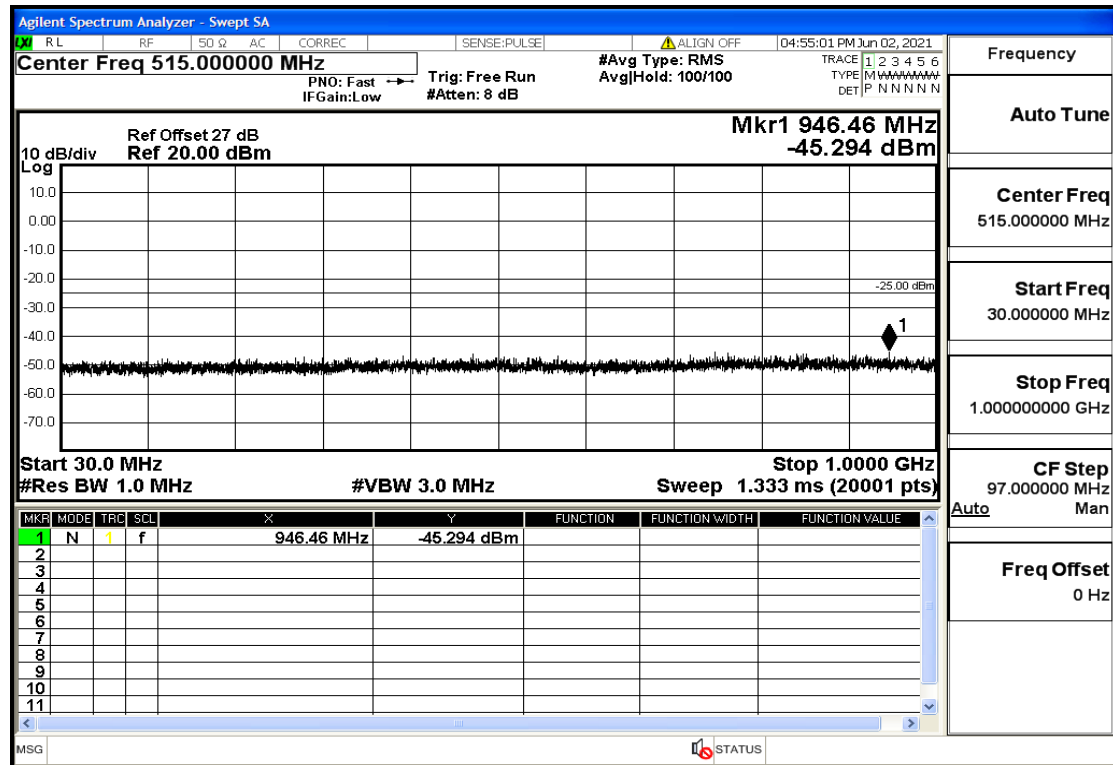
OB41-20-2565-QPSK-1#LOW@7GHz-13.6GHz@Pass



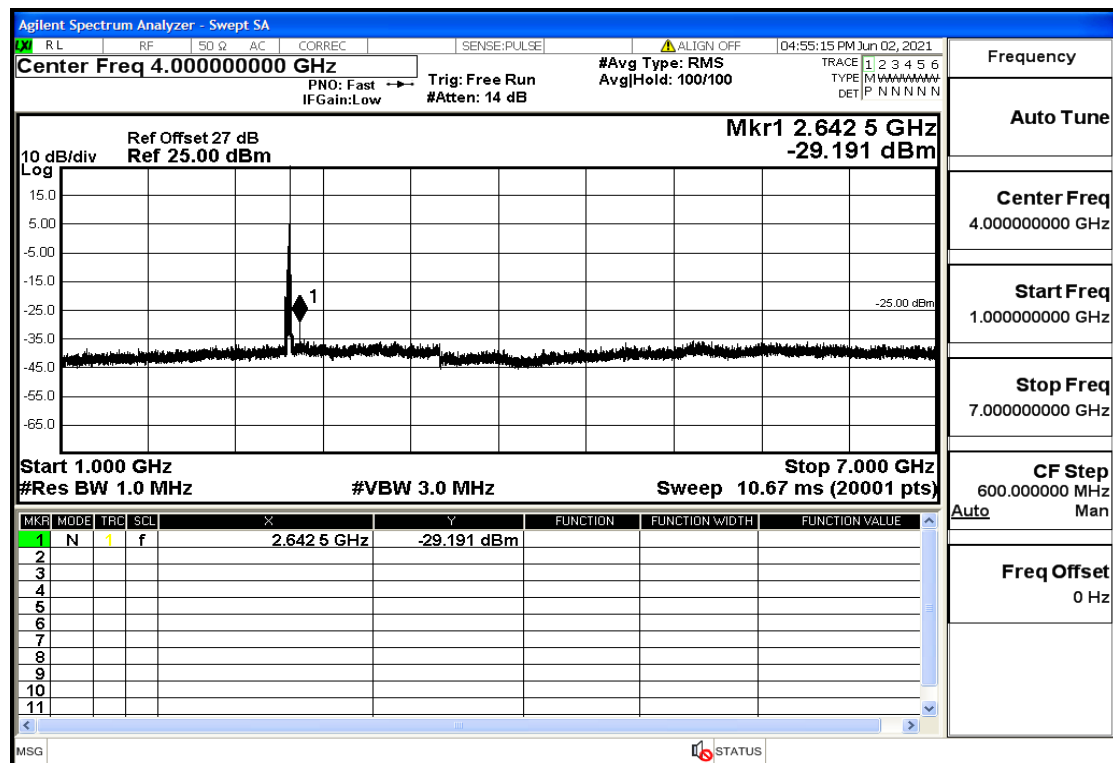
OB41-20-2565-QPSK-1#LOW@13.6GHz-26.5GHz@Pass



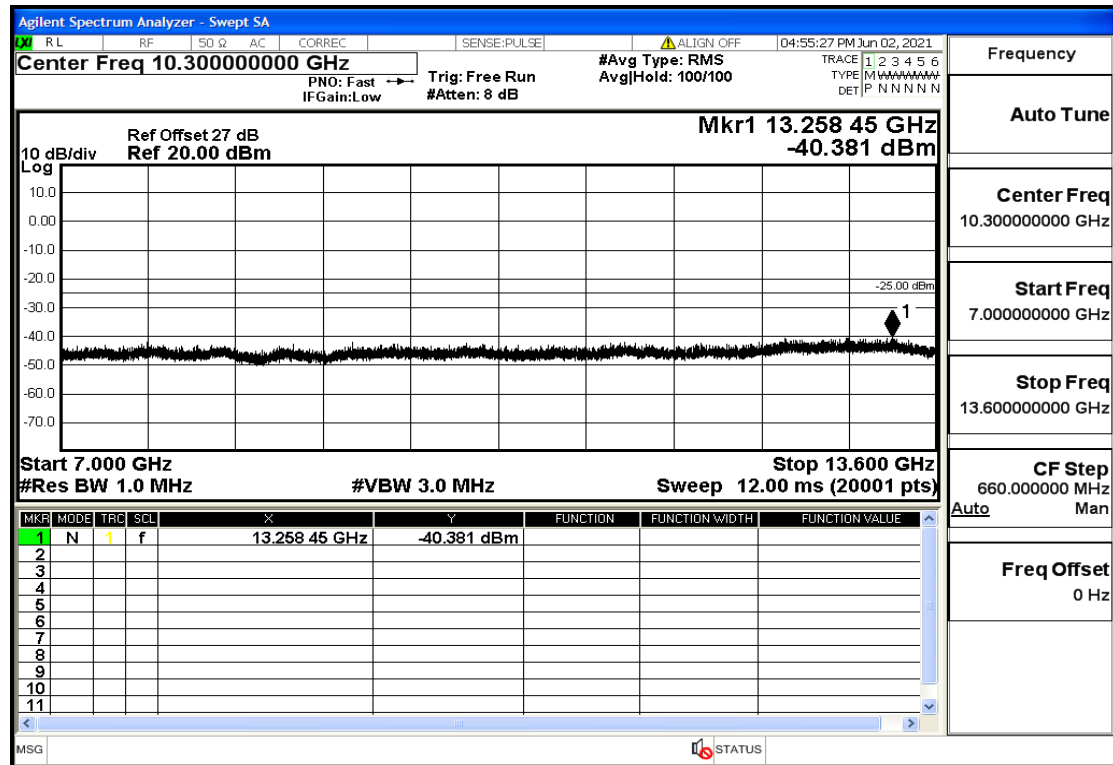
OB41-20-2565-QPSK-1#HIGH@30mHz-1GHz@Pass



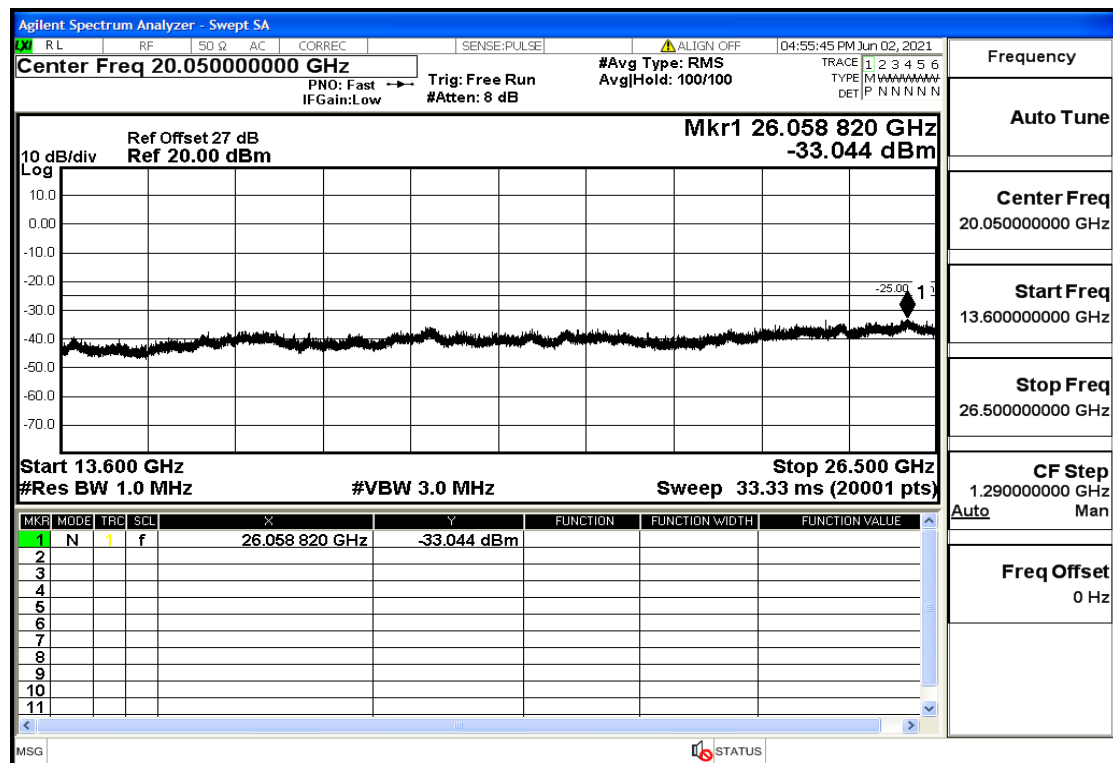
OB41-20-2565-QPSK-1#HIGH@1GHz-7GHz@Pass



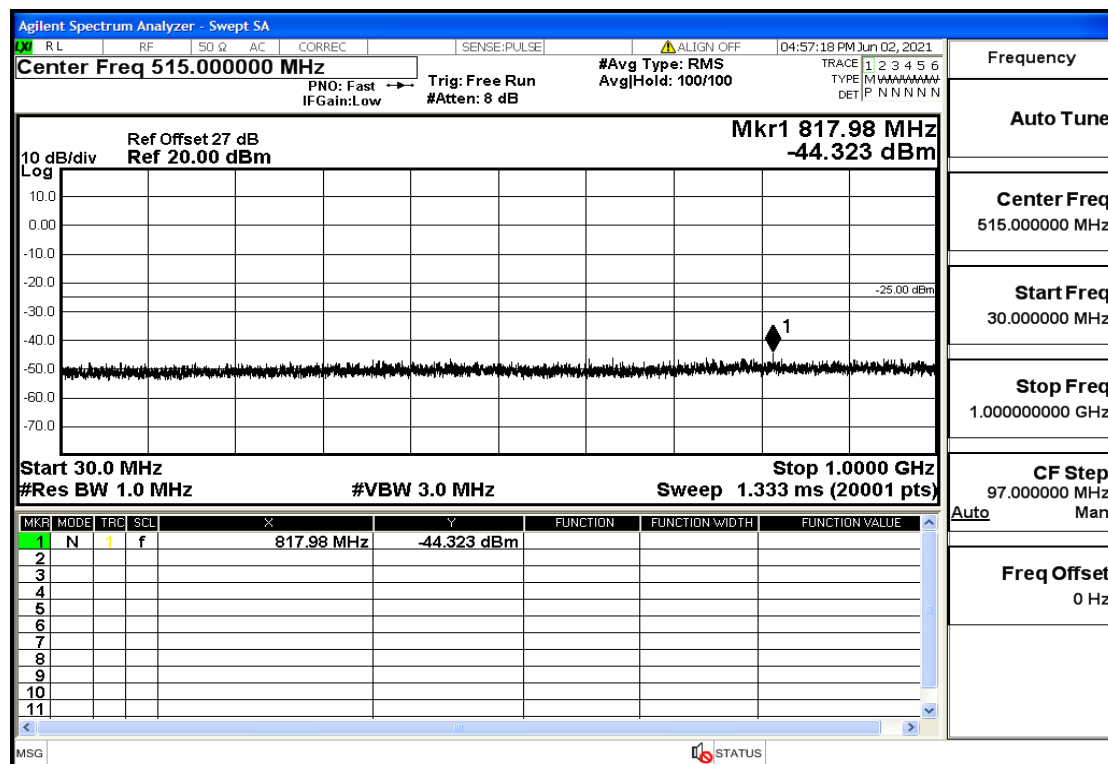
OB41-20-2565-QPSK-1#HIGH@7GHz-13.6GHz@Pass



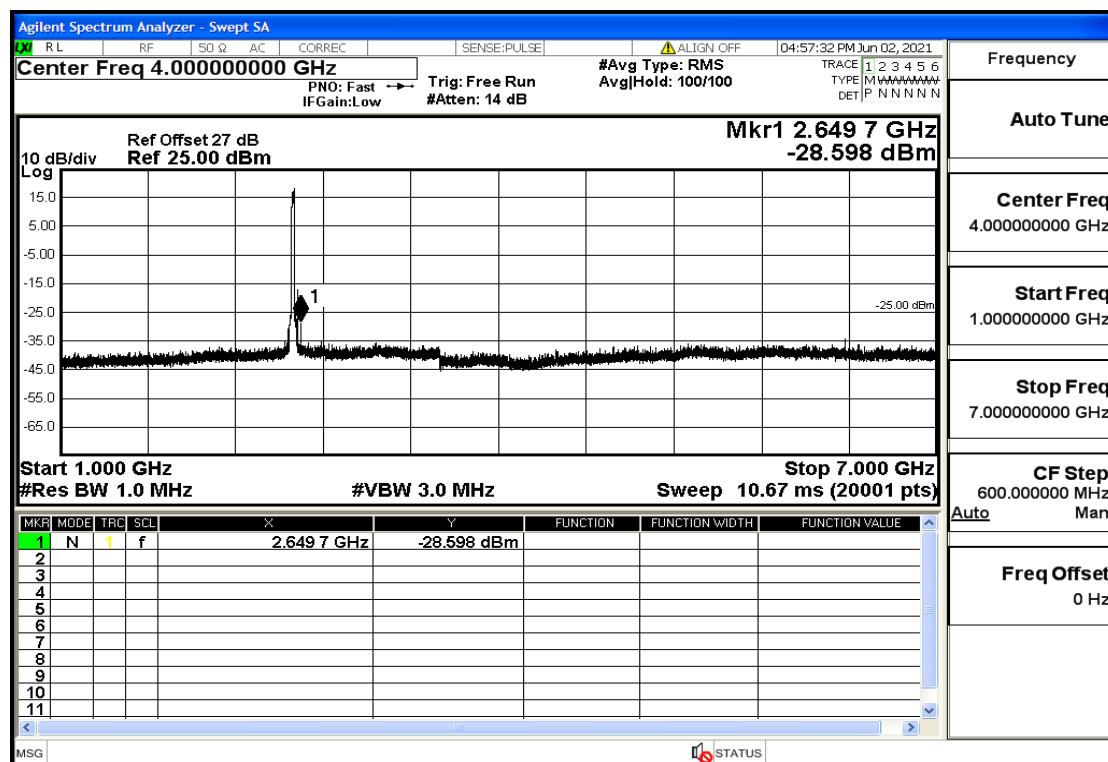
OB41-20-2565-QPSK-1#HIGH@13.6GHz-26.5GHz@Pass



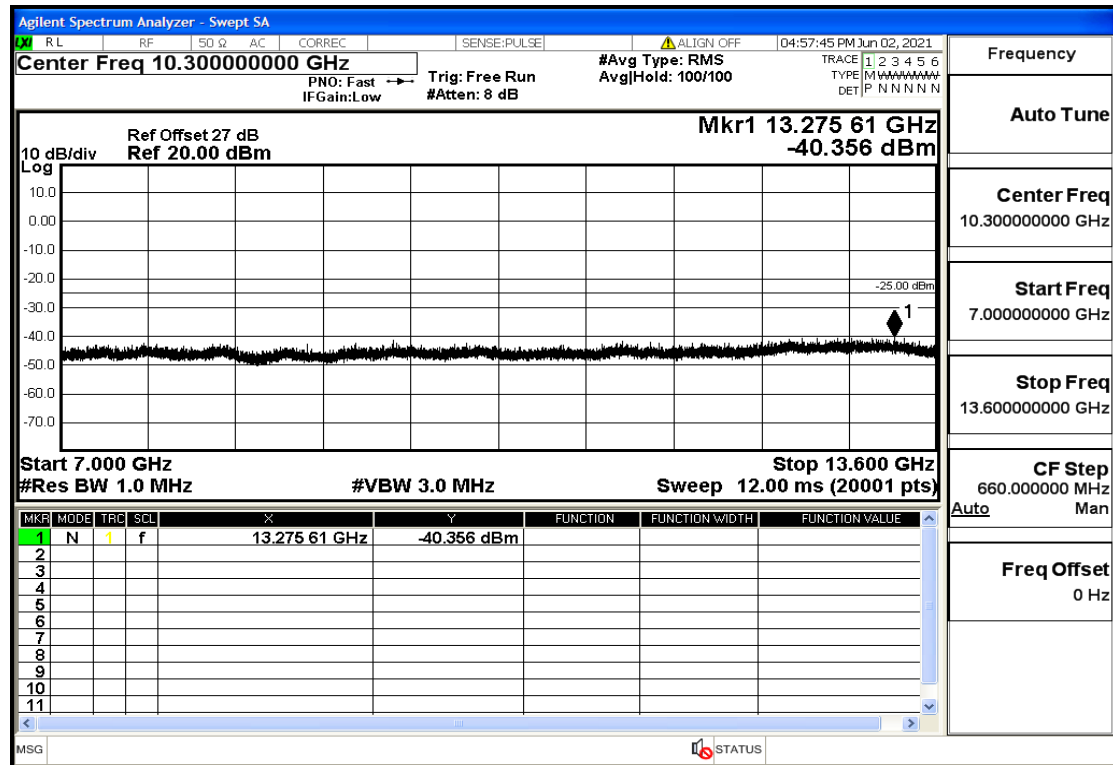
OB41-20-2593-QPSK-100#LOW@30mHz-1GHz@Pass



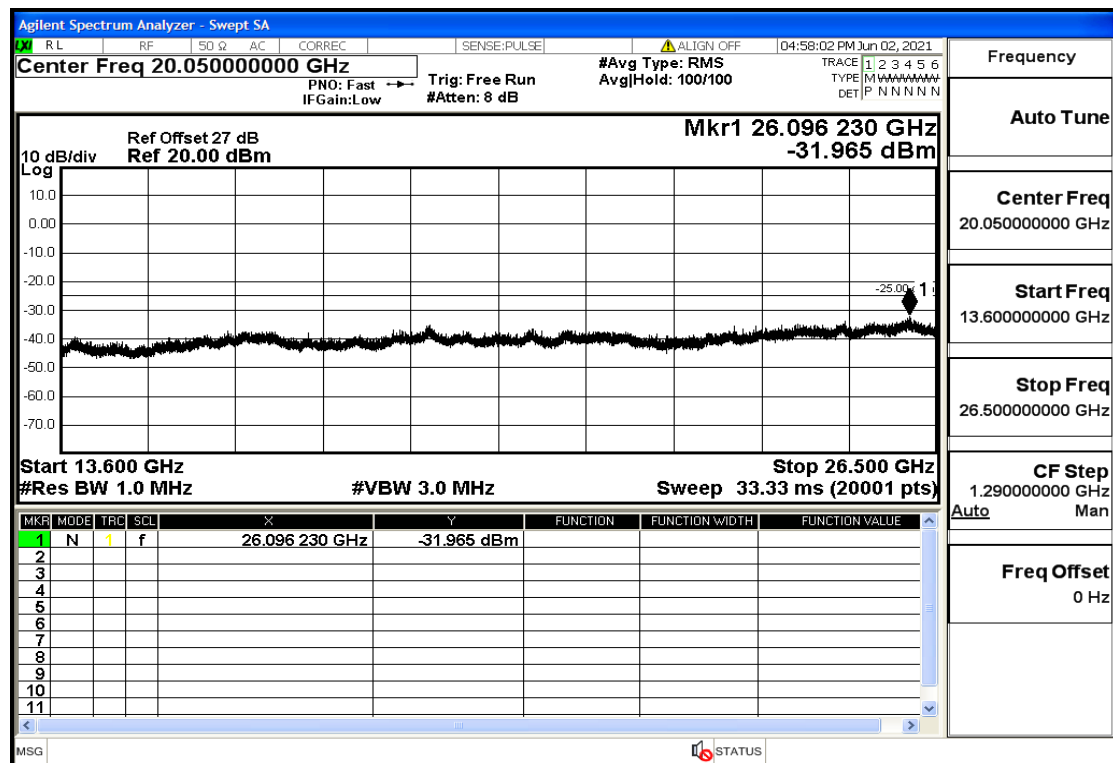
OB41-20-2593-QPSK-100#LOW@1GHz-7GHz@Pass



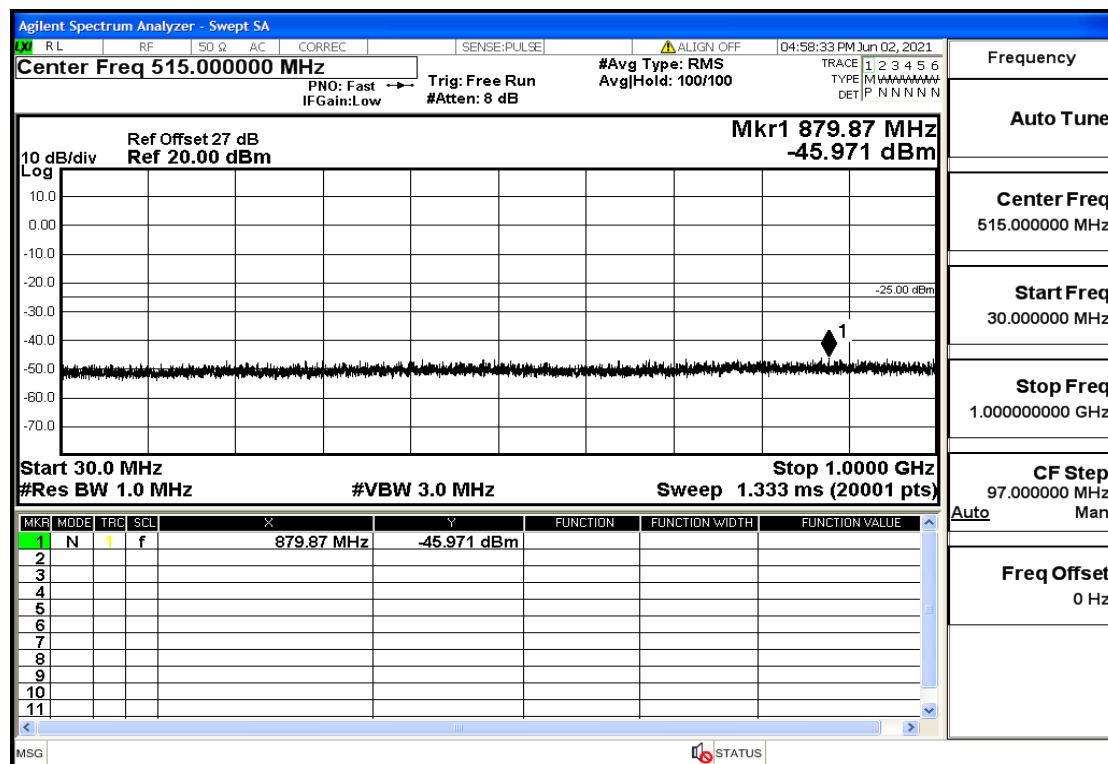
OB41-20-2593-QPSK-100#LOW@7GHz-13.6GHz@Pass



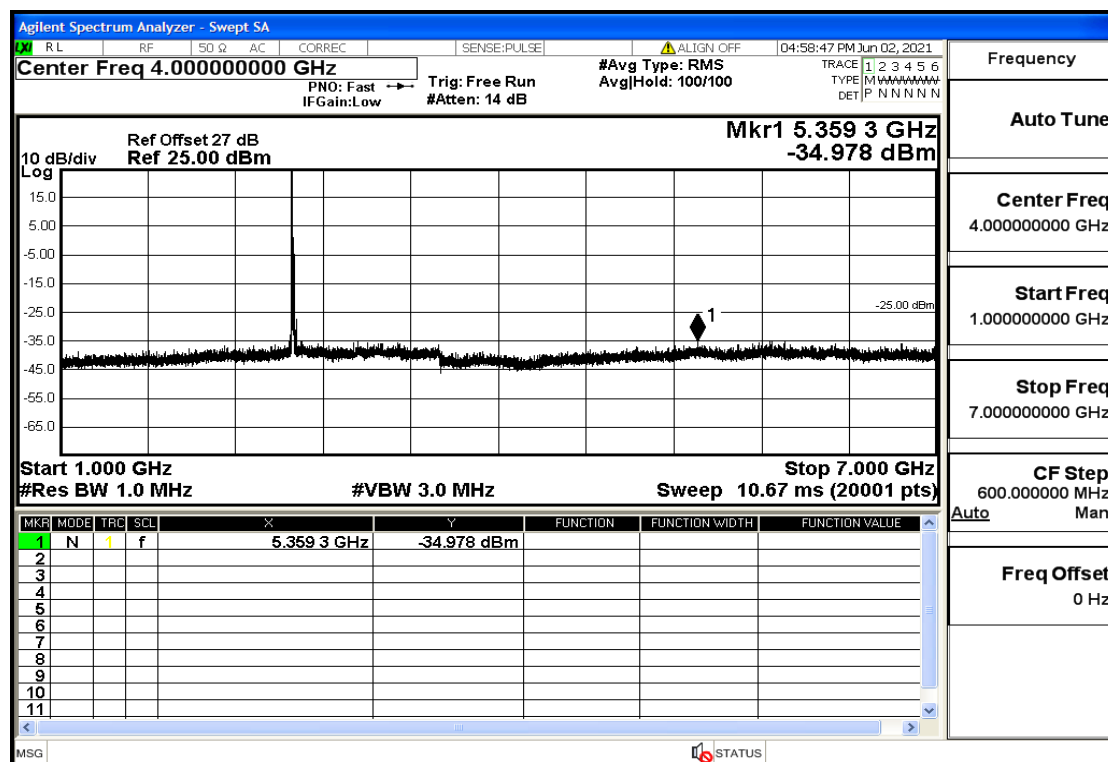
OB41-20-2593-QPSK-100#LOW@13.6GHz-26.5GHz@Pass



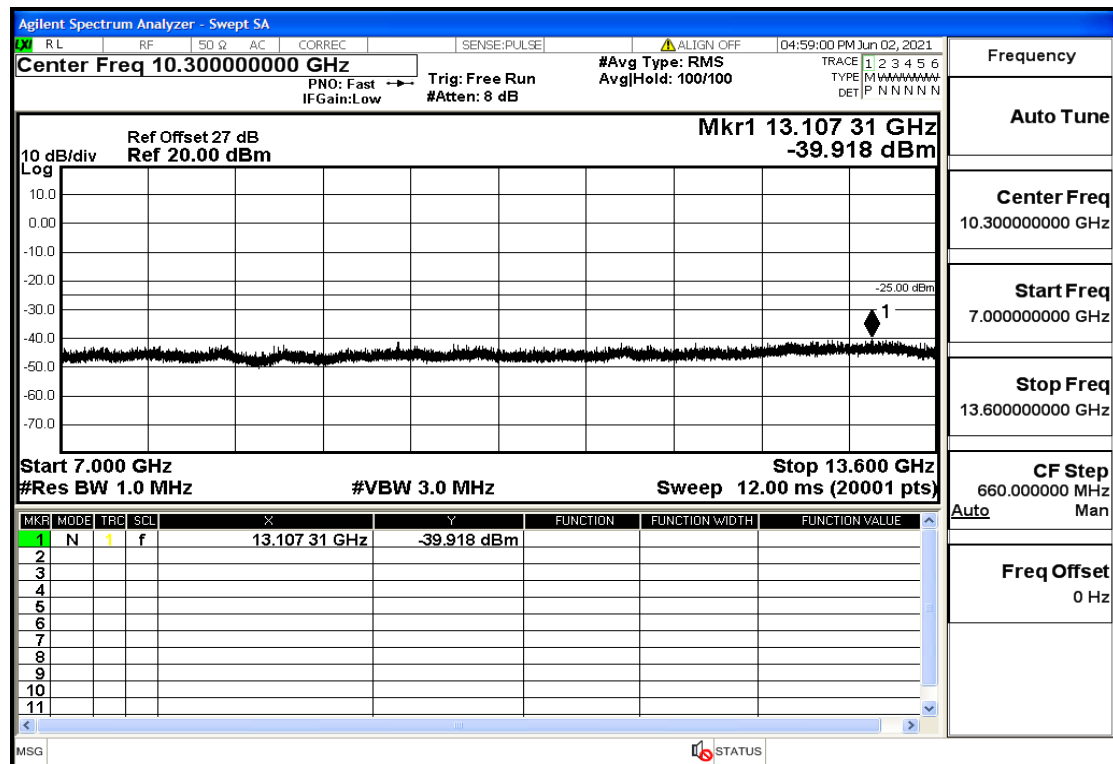
OB41-20-2593-QPSK-1#LOW@30mHz-1GHz@Pass



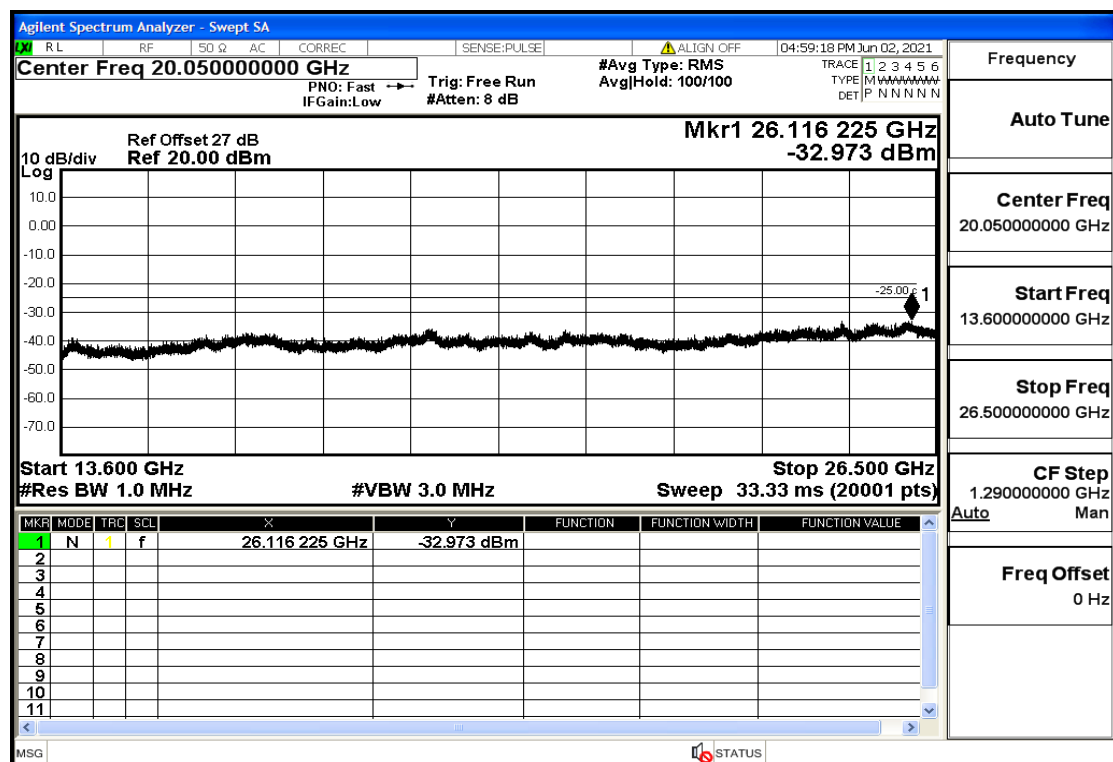
OB41-20-2593-QPSK-1#LOW@1GHz-7GHz@Pass



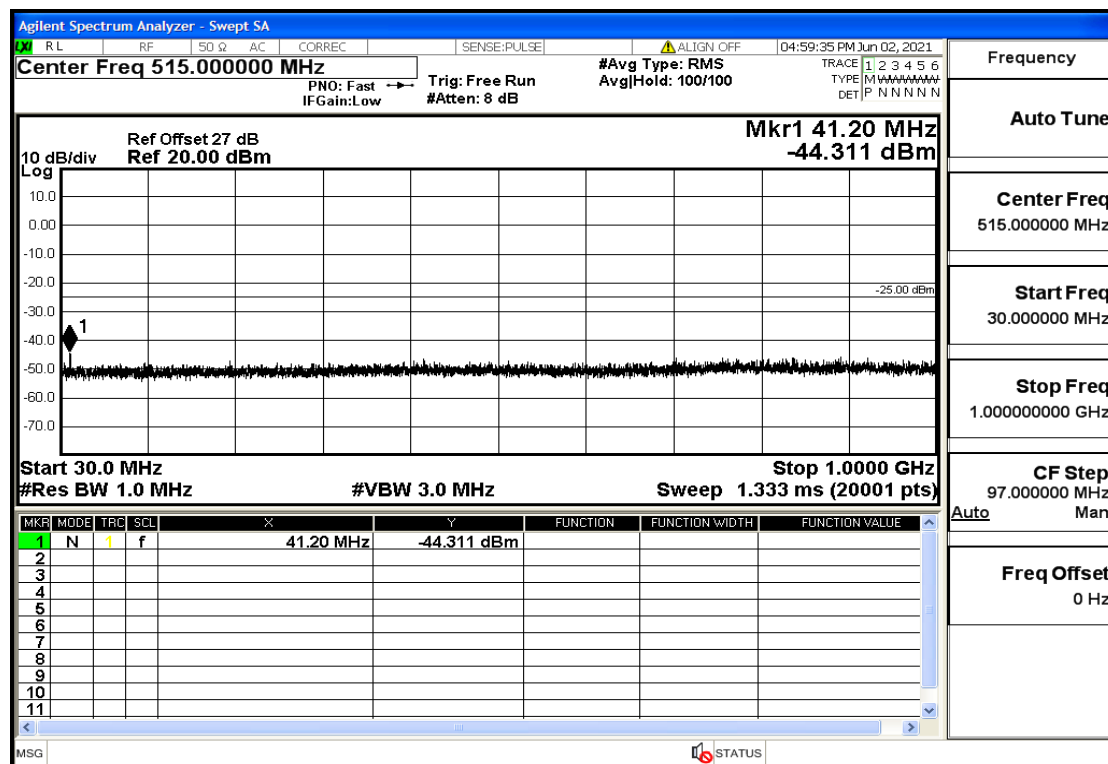
OB41-20-2593-QPSK-1#LOW@7GHz-13.6GHz@Pass



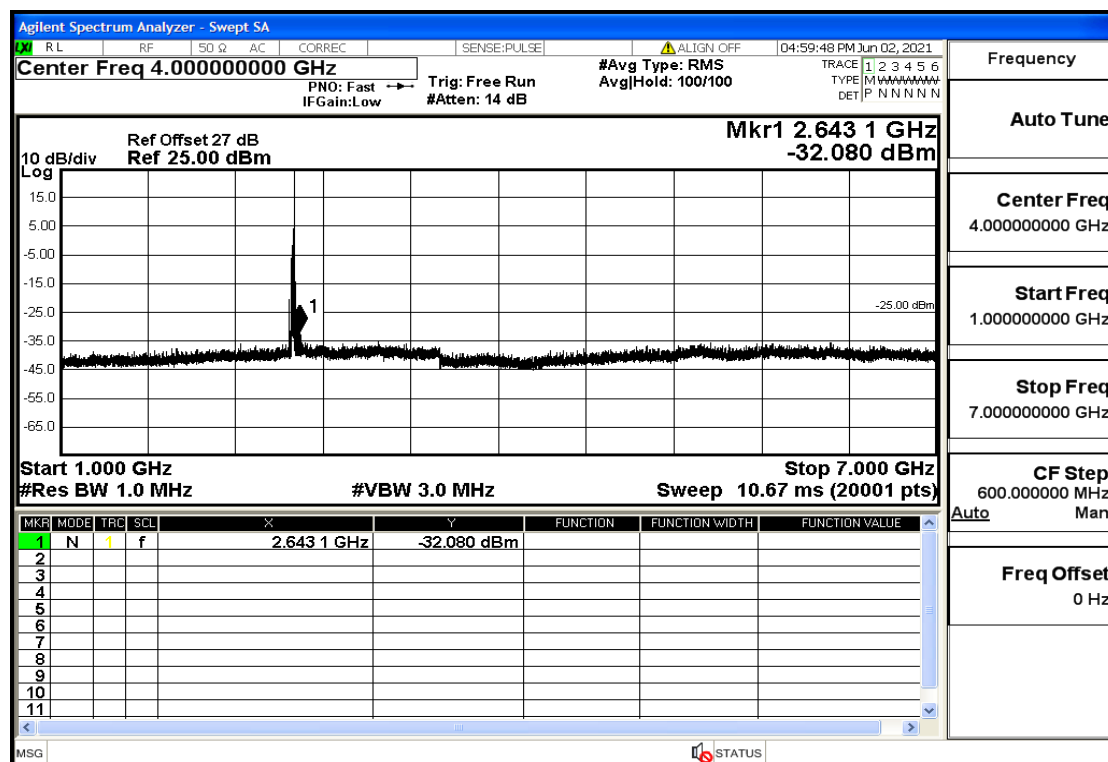
OB41-20-2593-QPSK-1#LOW@13.6GHz-26.5GHz@Pass



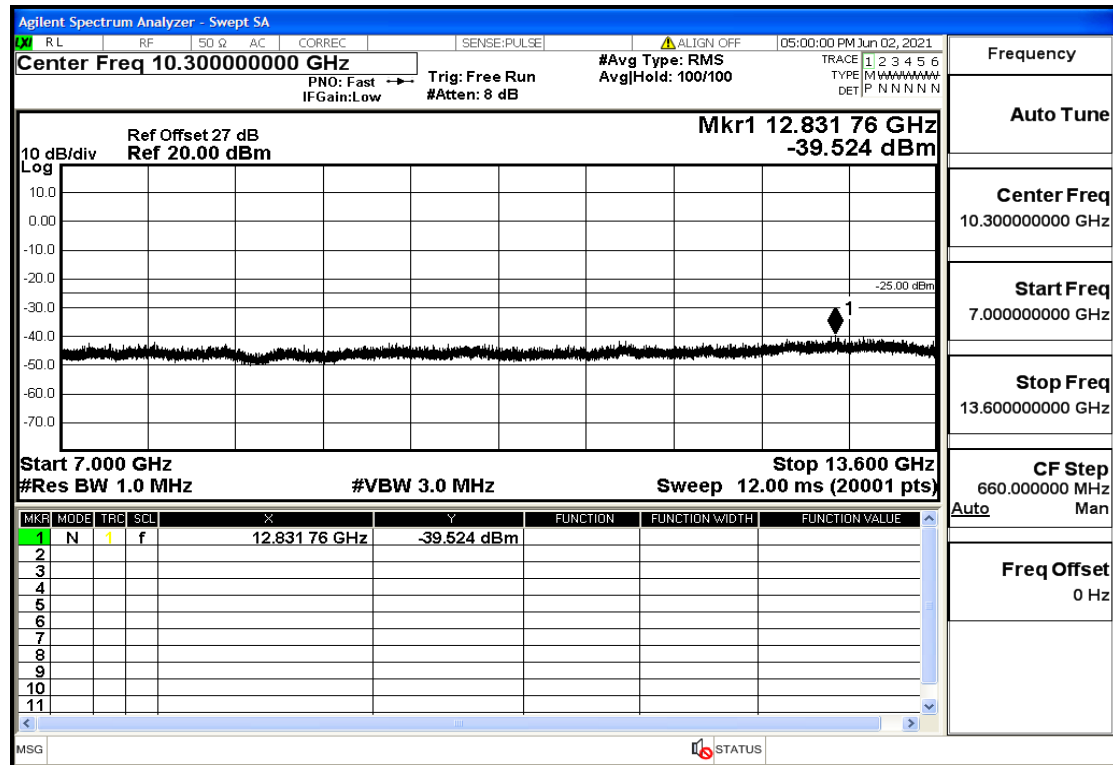
OB41-20-2593-QPSK-1#HIGH@30mHz-1GHz@Pass



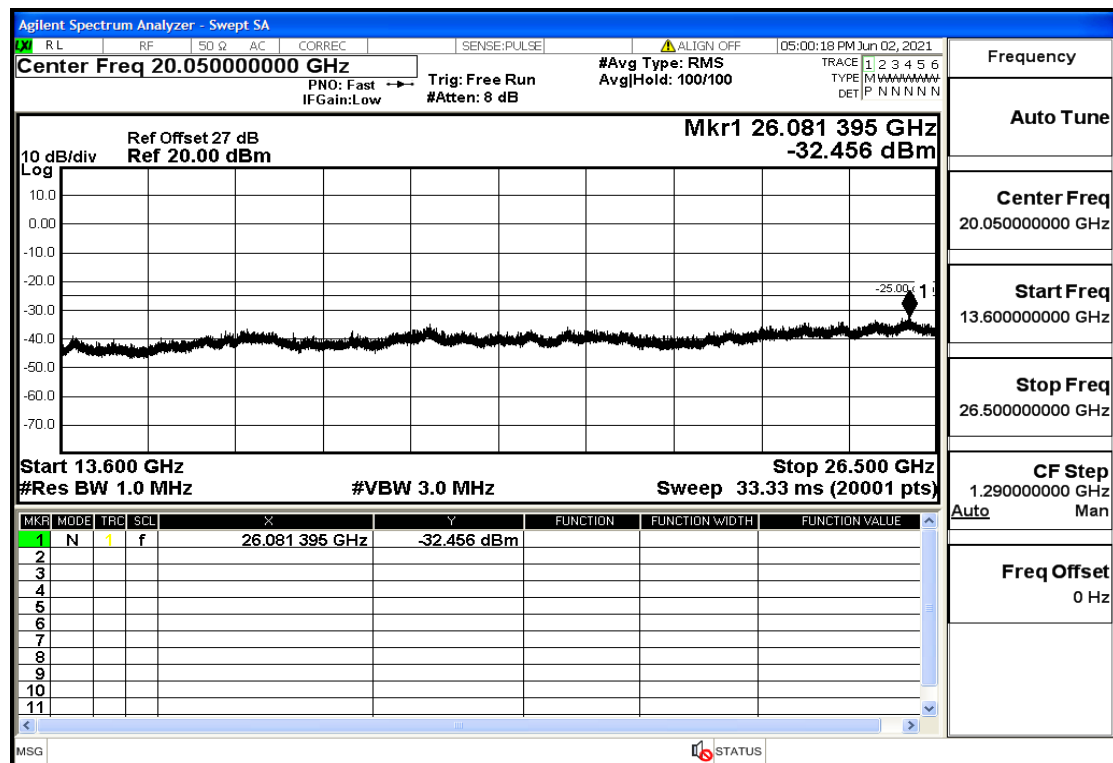
OB41-20-2593-QPSK-1#HIGH@1GHz-7GHz@Pass



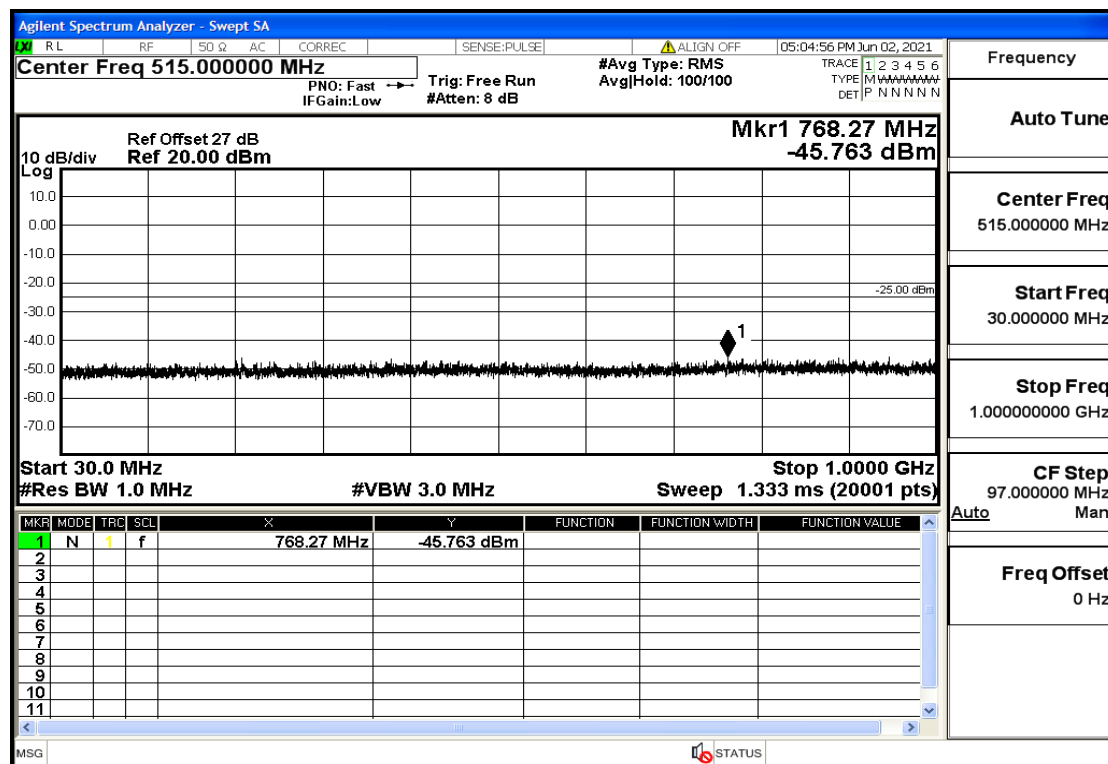
OB41-20-2593-QPSK-1#HIGH@7GHz-13.6GHz@Pass



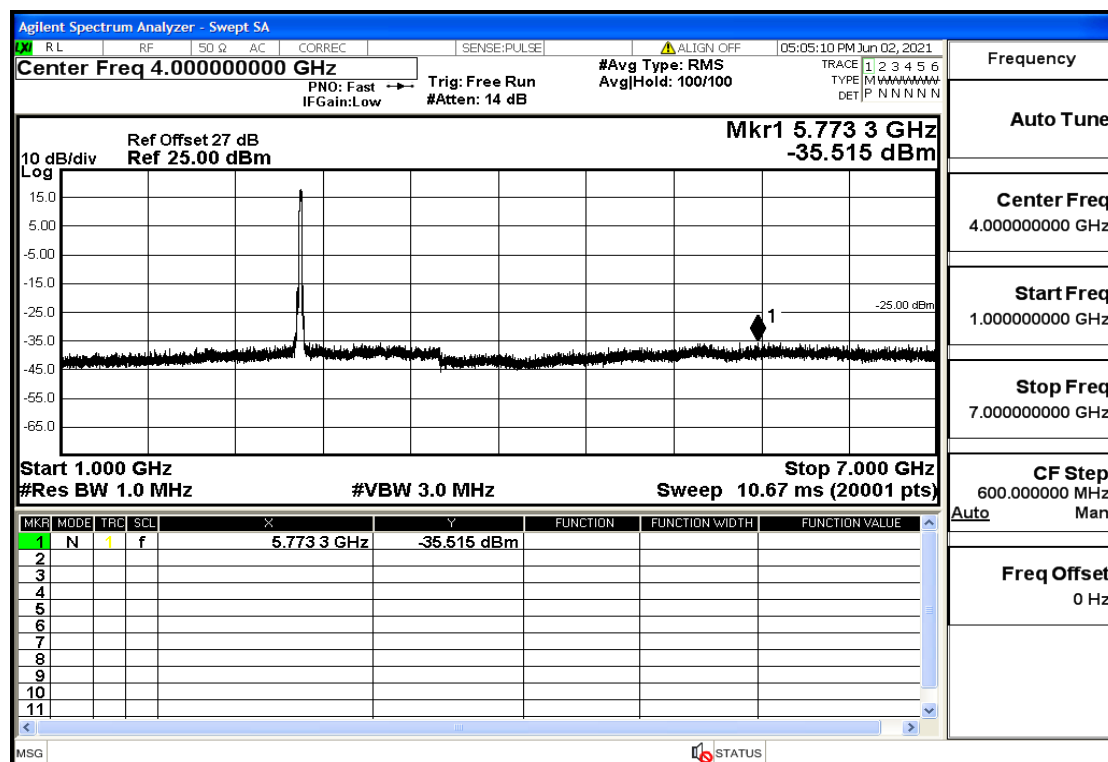
OB41-20-2593-QPSK-1#HIGH@13.6GHz-26.5GHz@Pass



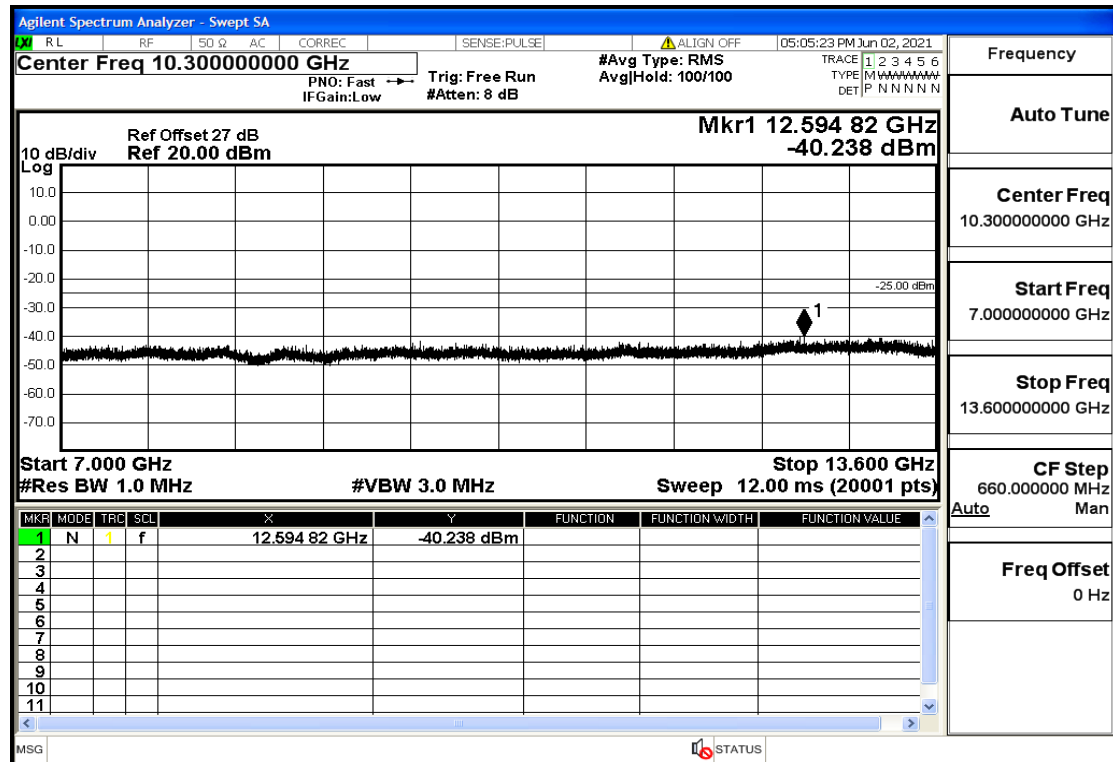
OB41-20-2645-QPSK-100#LOW@30mHz-1GHz@Pass



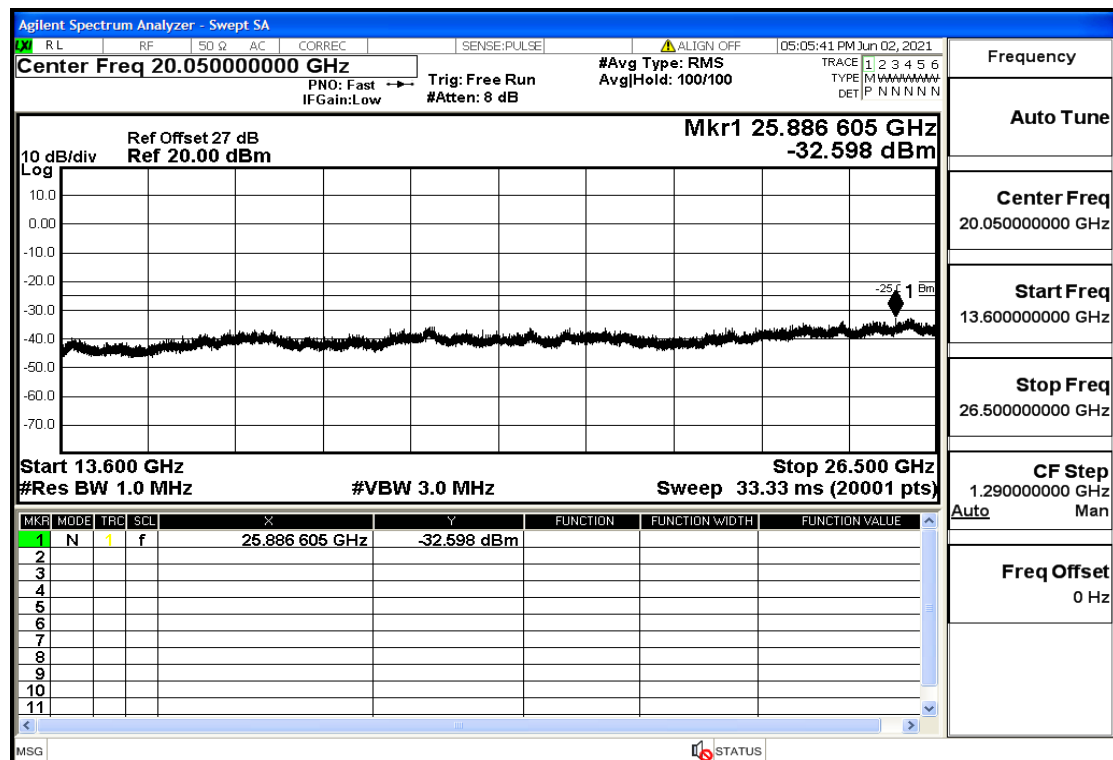
OB41-20-2645-QPSK-100#LOW@1GHz-7GHz@Pass



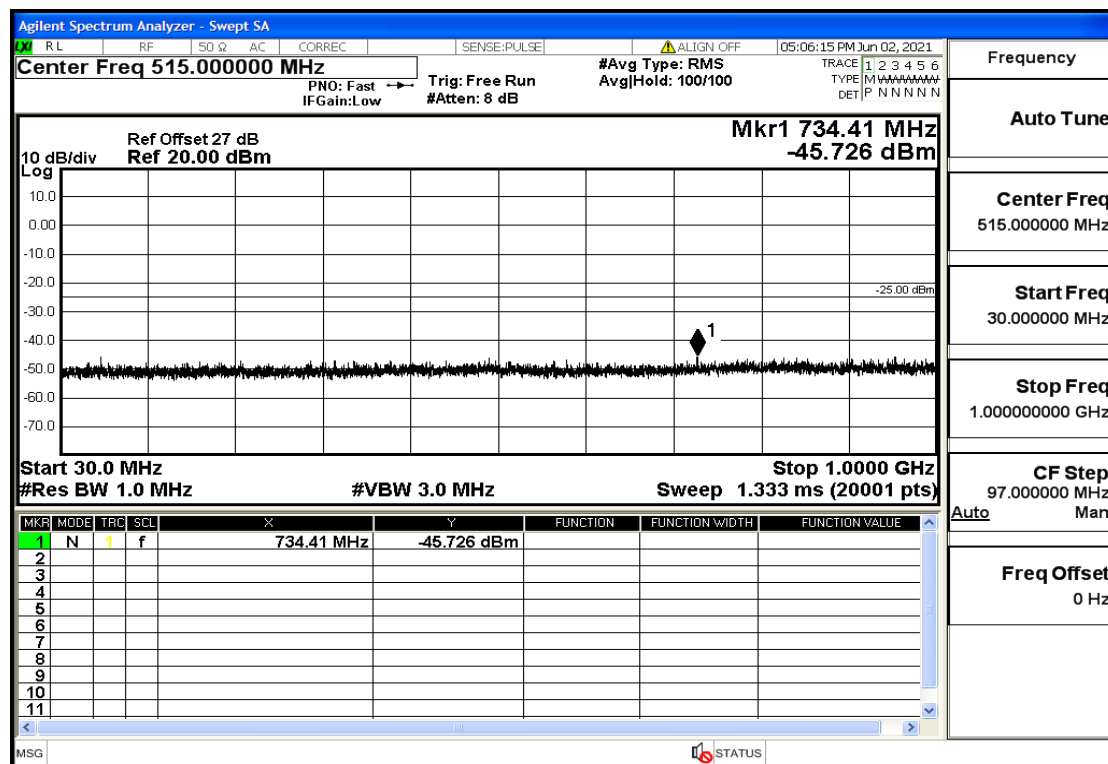
OB41-20-2645-QPSK-100#LOW@7GHz-13.6GHz@Pass



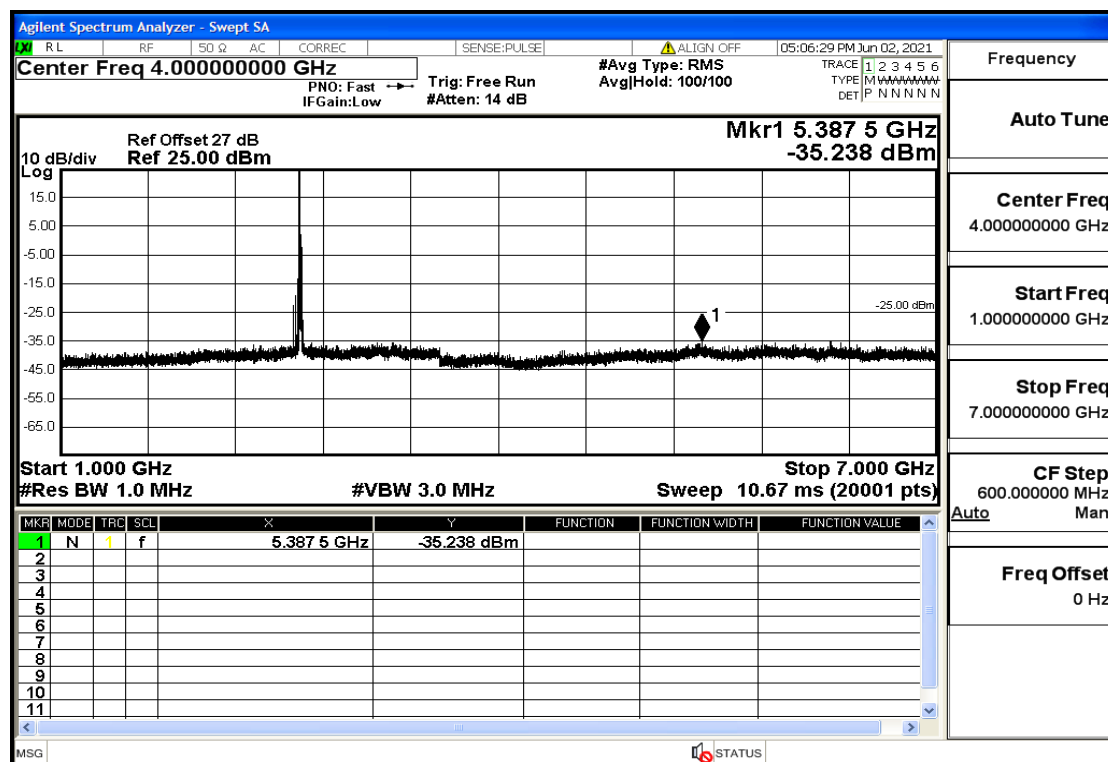
OB41-20-2645-QPSK-100#LOW@13.6GHz-26.5GHz@Pass



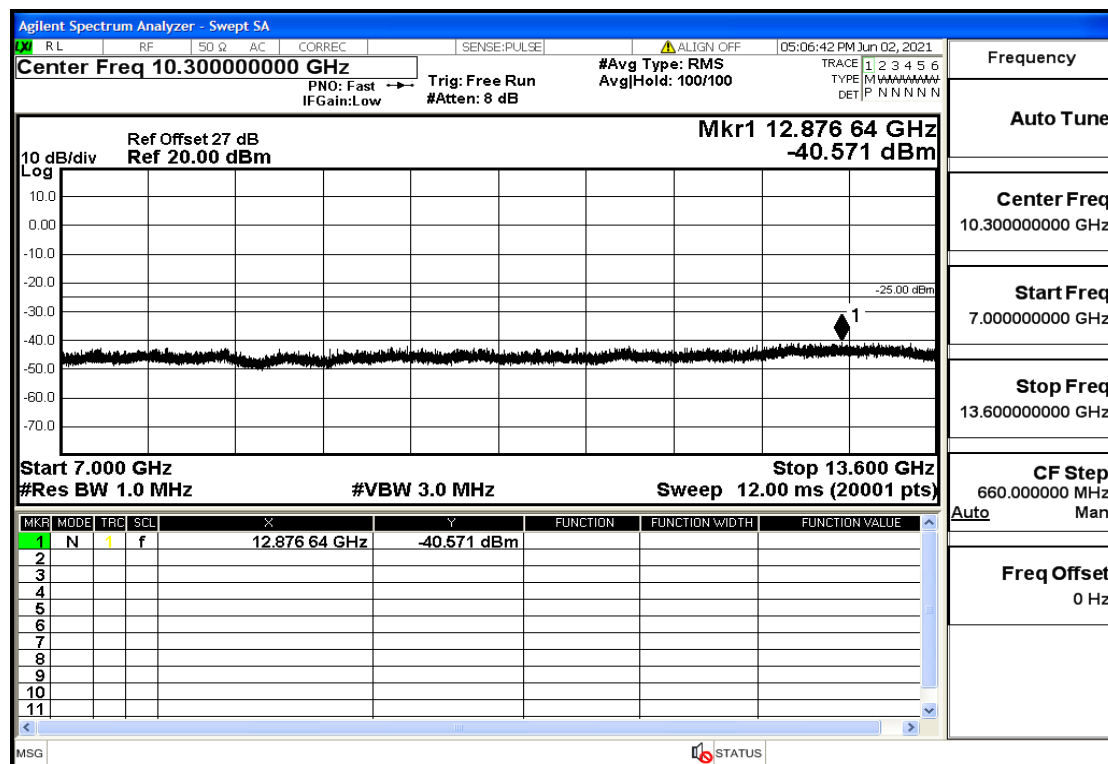
OB41-20-2645-QPSK-1#LOW@30mHz-1GHz@Pass



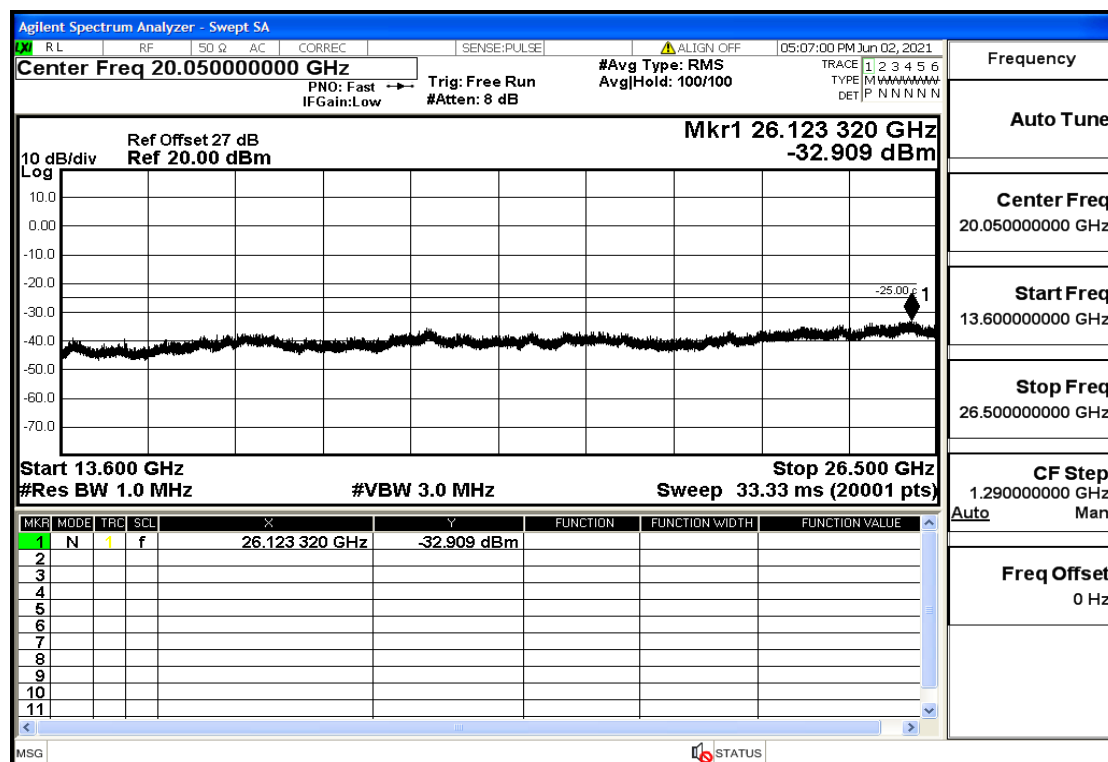
OB41-20-2645-QPSK-1#LOW@1GHz-7GHz@Pass



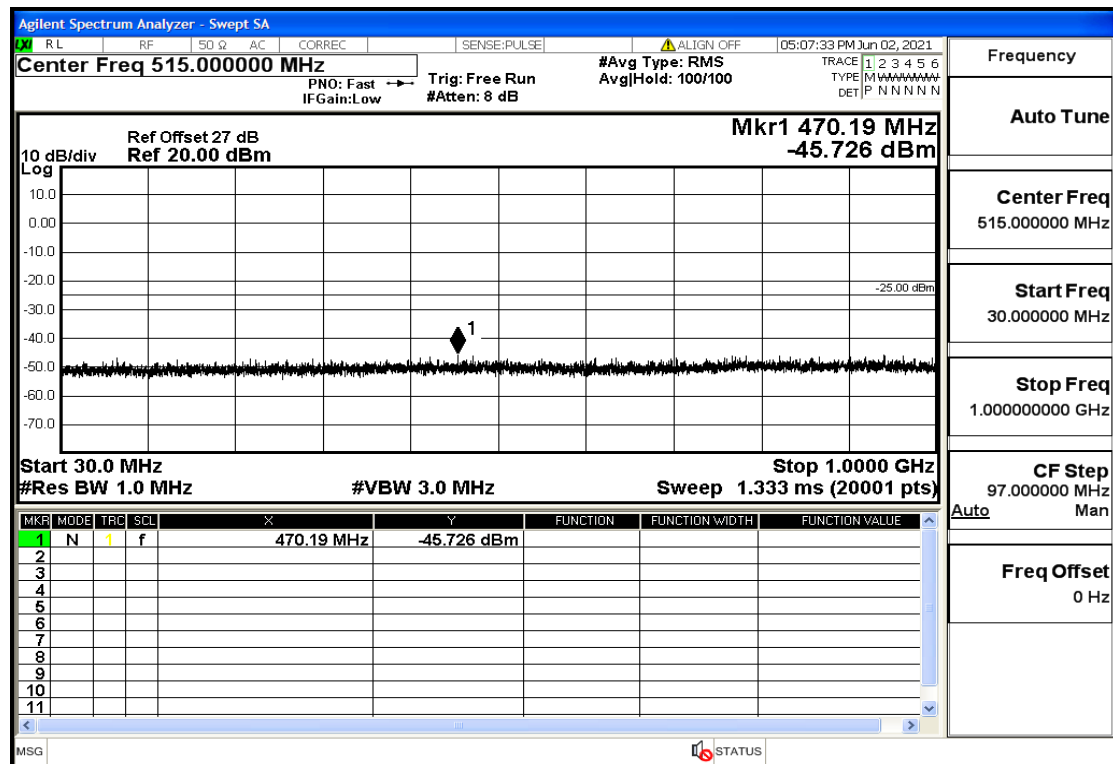
OB41-20-2645-QPSK-1#LOW@7GHz-13.6GHz@Pass



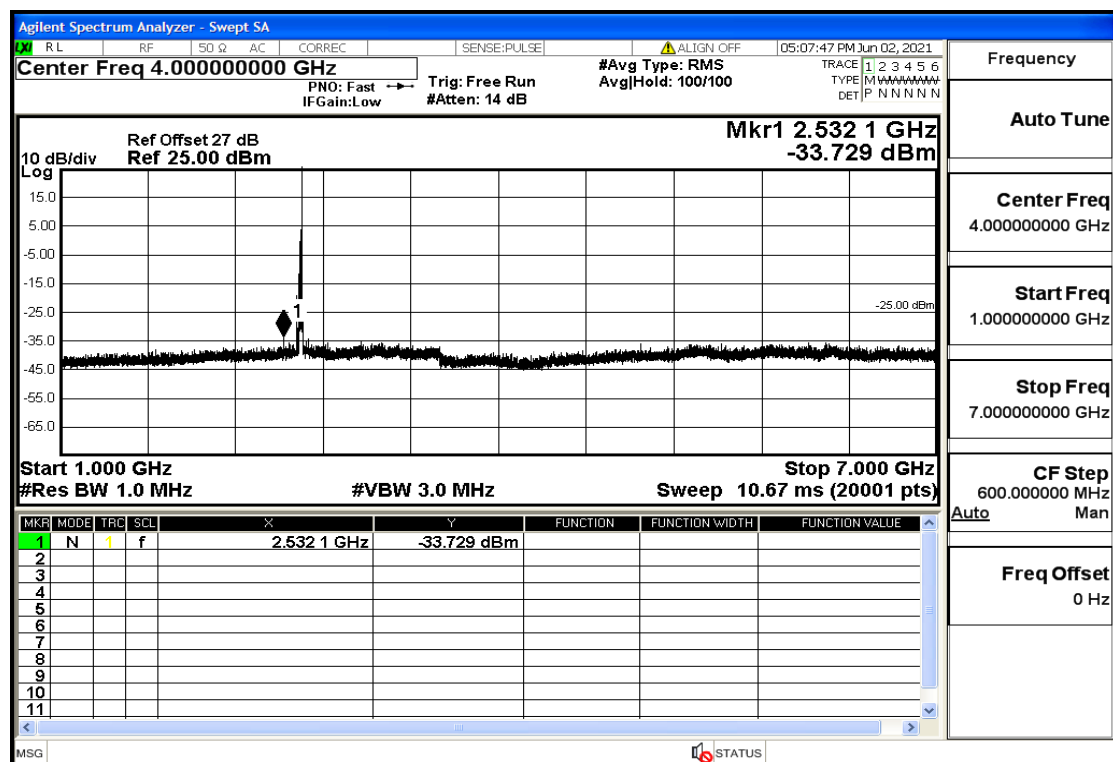
OB41-20-2645-QPSK-1#LOW@13.6GHz-26.5GHz@Pass



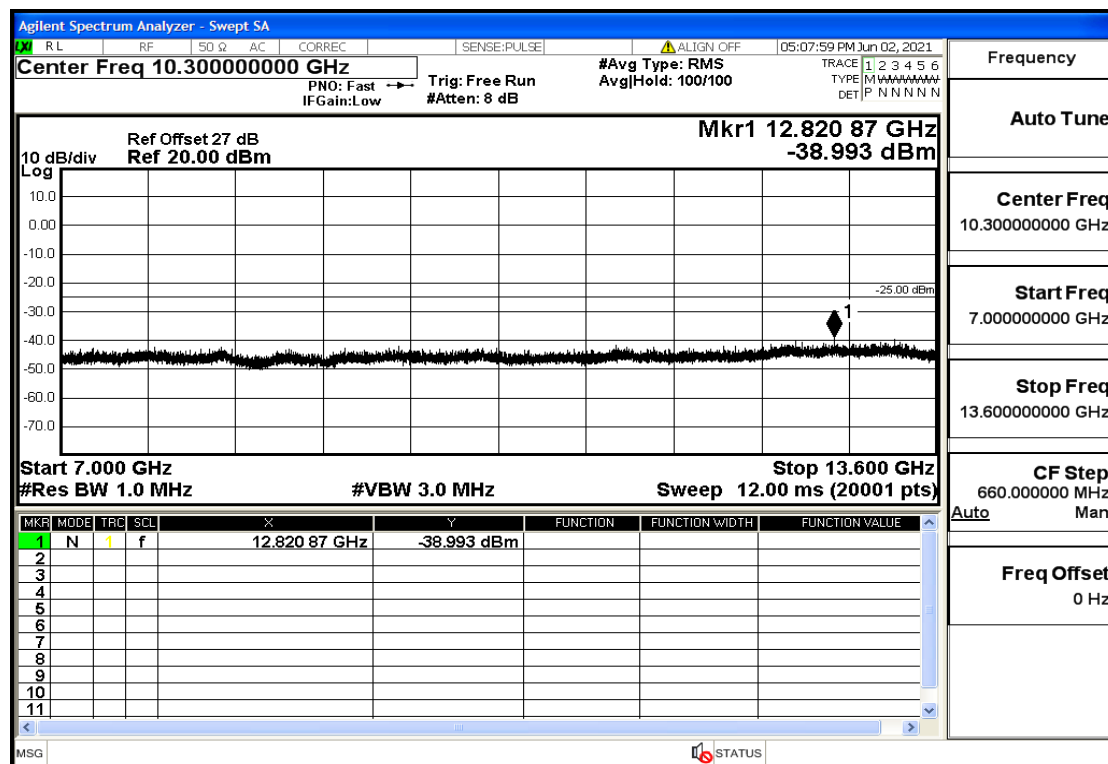
OB41-20-2645-QPSK-1#HIGH@30MHz-1GHz@Pass



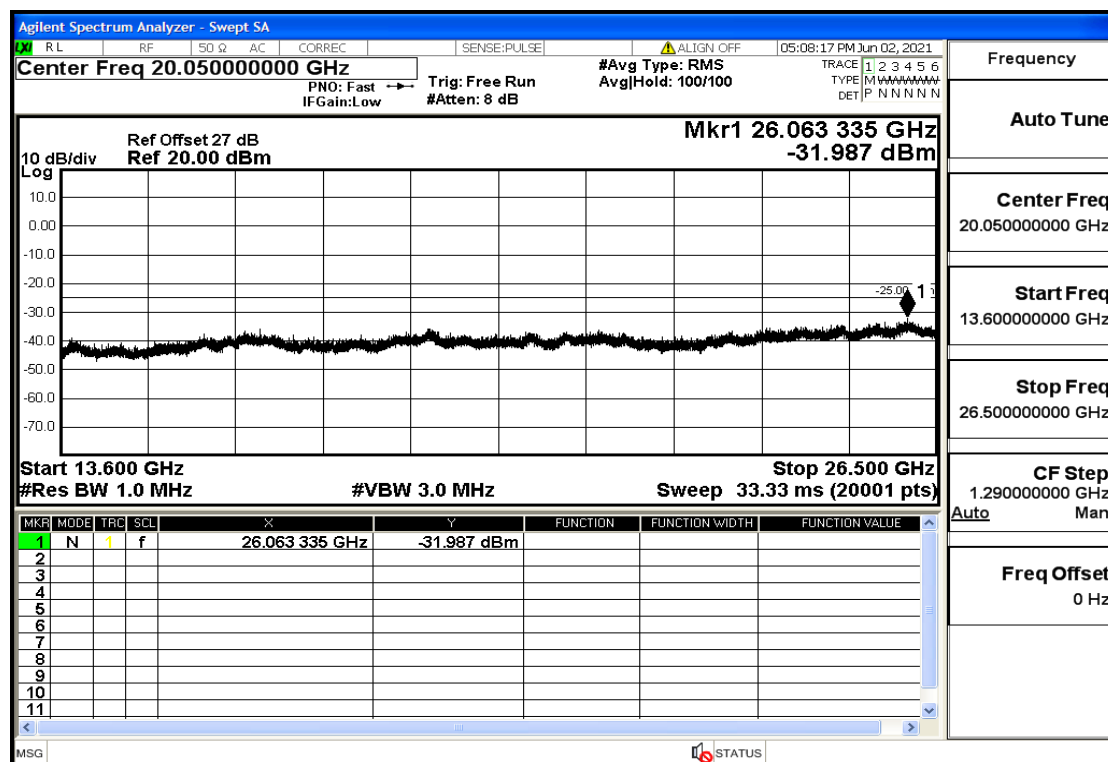
OB41-20-2645-QPSK-1#HIGH@1GHz-7GHz@Pass



OB41-20-2645-QPSK-1#HIGH@7GHz-13.6GHz@Pass



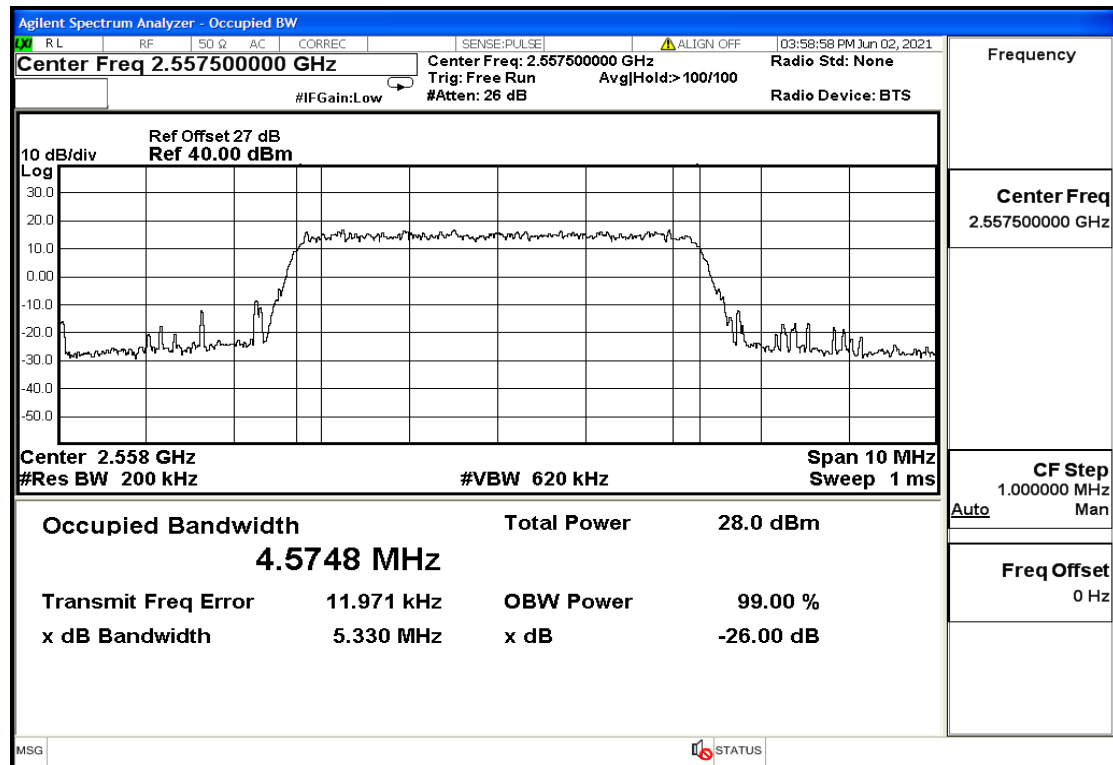
OB41-20-2645-QPSK-1#HIGH@13.6GHz-26.5GHz@Pass



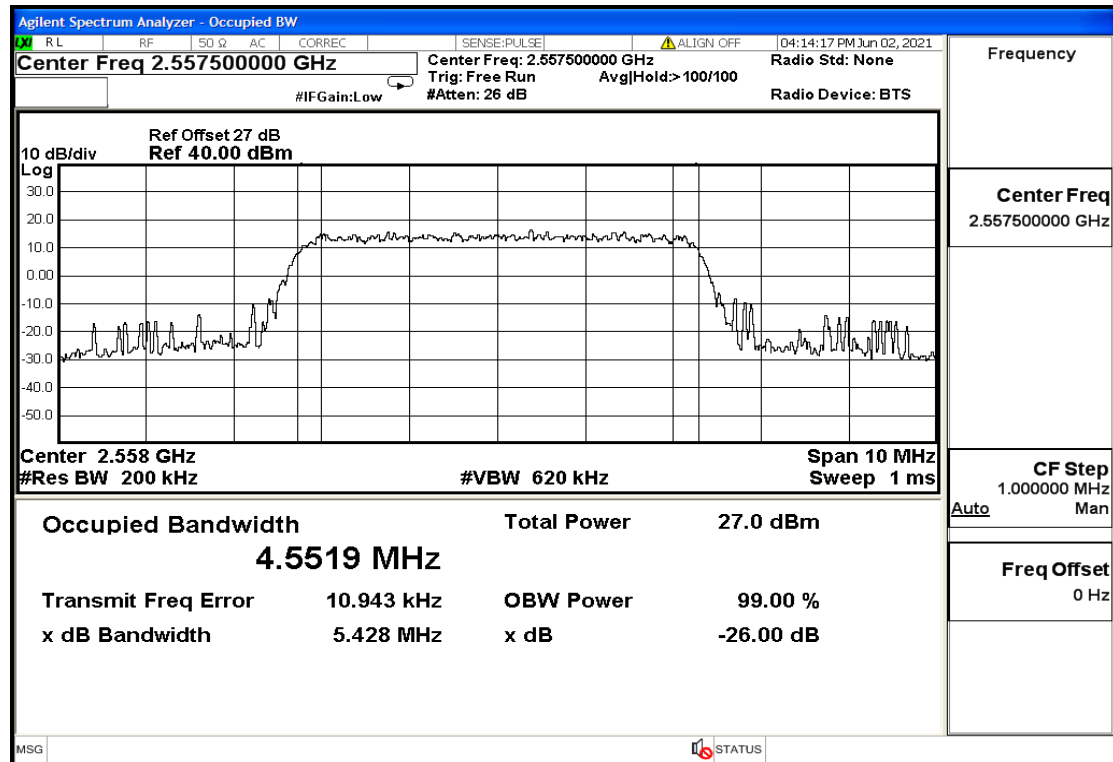
## Emission bandwidth and OBW

| Band   | Bandwidth(MHz) | UL<br>Frequency(MHz) | Modulation | RB Size | RB Offset | Occupied<br>Bandwidth(KHz) | Emission<br>Bandwidth(KHz) | Limit    |
|--------|----------------|----------------------|------------|---------|-----------|----------------------------|----------------------------|----------|
| Band41 | 5              | 2557.5               | QPSK       | 25      | LOW       | 4574.8                     | 5330                       | No limit |
| Band41 | 5              | 2557.5               | 16QAM      | 25      | LOW       | 4551.9                     | 5428                       | No limit |
| Band41 | 5              | 2593                 | QPSK       | 25      | LOW       | 4539.7                     | 5052                       | No limit |
| Band41 | 5              | 2593                 | 16QAM      | 25      | LOW       | 4555.6                     | 5036                       | No limit |
| Band41 | 5              | 2652.5               | QPSK       | 25      | LOW       | 4580.1                     | 5214                       | No limit |
| Band41 | 5              | 2652.5               | 16QAM      | 25      | LOW       | 4575.3                     | 6050                       | No limit |
| Band41 | 10             | 2560                 | QPSK       | 50      | LOW       | 9123.9                     | 11790                      | No limit |
| Band41 | 10             | 2560                 | 16QAM      | 50      | LOW       | 9109.3                     | 11110                      | No limit |
| Band41 | 10             | 2593                 | QPSK       | 50      | LOW       | 9039.5                     | 10020                      | No limit |
| Band41 | 10             | 2593                 | 16QAM      | 50      | LOW       | 9083.0                     | 10340                      | No limit |
| Band41 | 10             | 2650                 | QPSK       | 50      | LOW       | 9153.6                     | 11510                      | No limit |
| Band41 | 10             | 2650                 | 16QAM      | 50      | LOW       | 9094.5                     | 10050                      | No limit |
| Band41 | 15             | 2562.5               | QPSK       | 75      | LOW       | 13701                      | 17490                      | No limit |
| Band41 | 15             | 2562.5               | 16QAM      | 75      | LOW       | 13622                      | 15080                      | No limit |
| Band41 | 15             | 2593                 | QPSK       | 75      | LOW       | 13691                      | 15730                      | No limit |
| Band41 | 15             | 2593                 | 16QAM      | 75      | LOW       | 13665                      | 15300                      | No limit |
| Band41 | 15             | 2647.5               | QPSK       | 75      | LOW       | 13629                      | 15330                      | No limit |
| Band41 | 15             | 2647.5               | 16QAM      | 75      | LOW       | 13677                      | 16820                      | No limit |
| Band41 | 20             | 2565                 | QPSK       | 100     | LOW       | 18166                      | 20000                      | No limit |
| Band41 | 20             | 2565                 | 16QAM      | 100     | LOW       | 18172                      | 20020                      | No limit |
| Band41 | 20             | 2593                 | QPSK       | 100     | LOW       | 18225                      | 21170                      | No limit |
| Band41 | 20             | 2645                 | QPSK       | 100     | LOW       | 18230                      | 20360                      | No limit |
| Band41 | 20             | 2645                 | 16QAM      | 100     | LOW       | 18230                      | 21170                      | No limit |

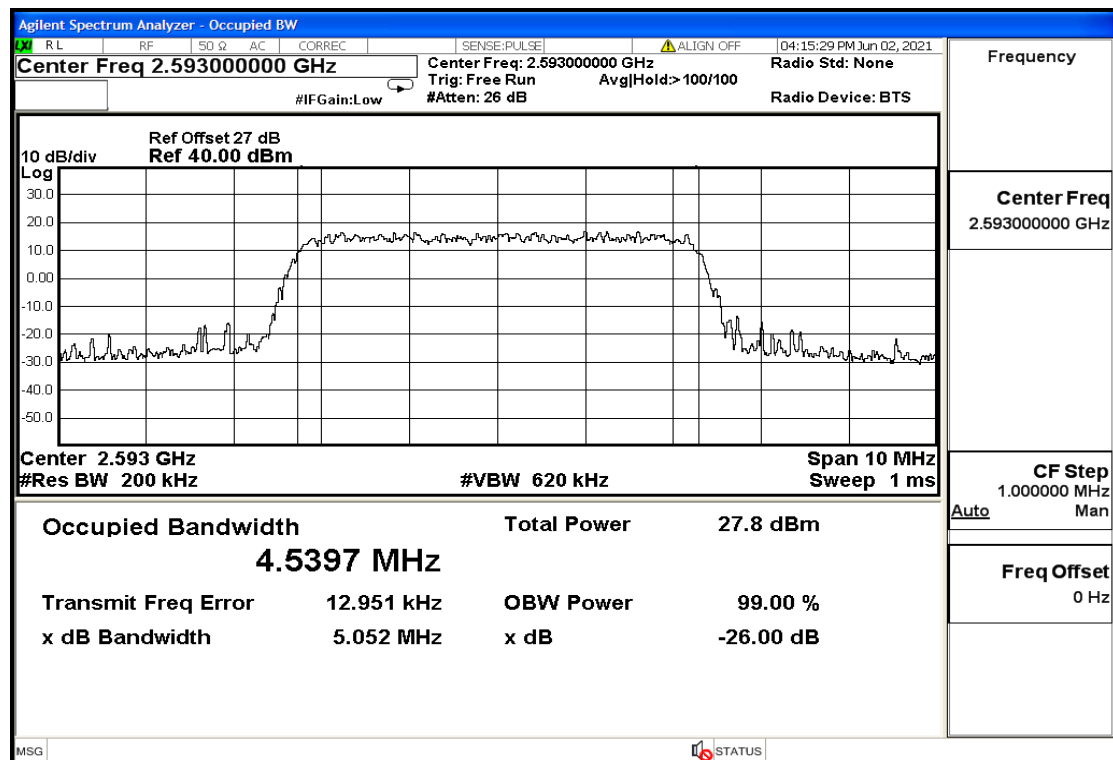
Band41-5-2557.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



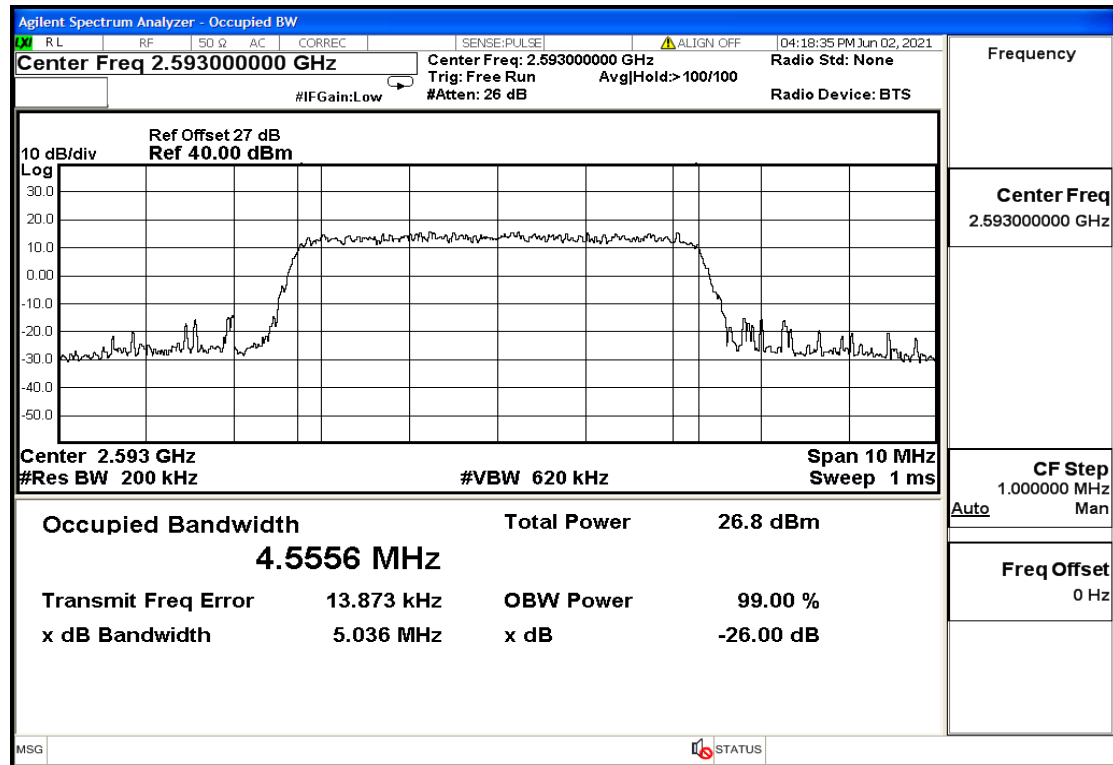
Band41-5-2557.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



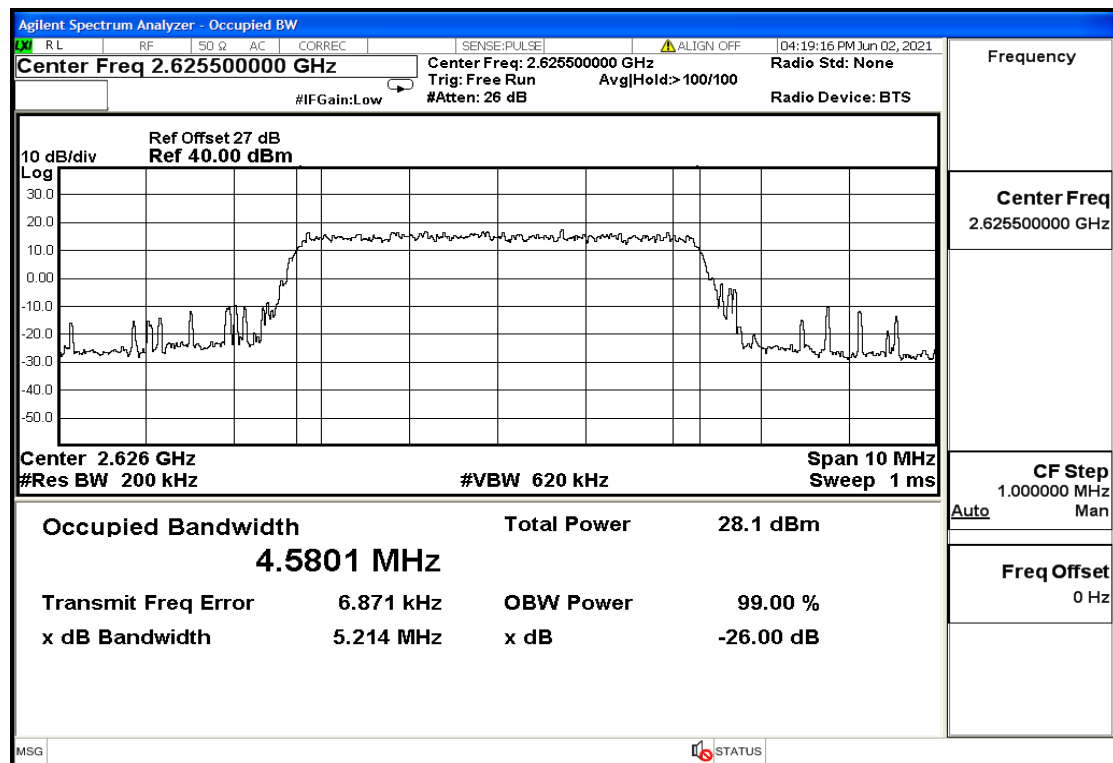
Band41-5-2593-QPSK-25#LOW@26dB and 99PCT Bandwidth



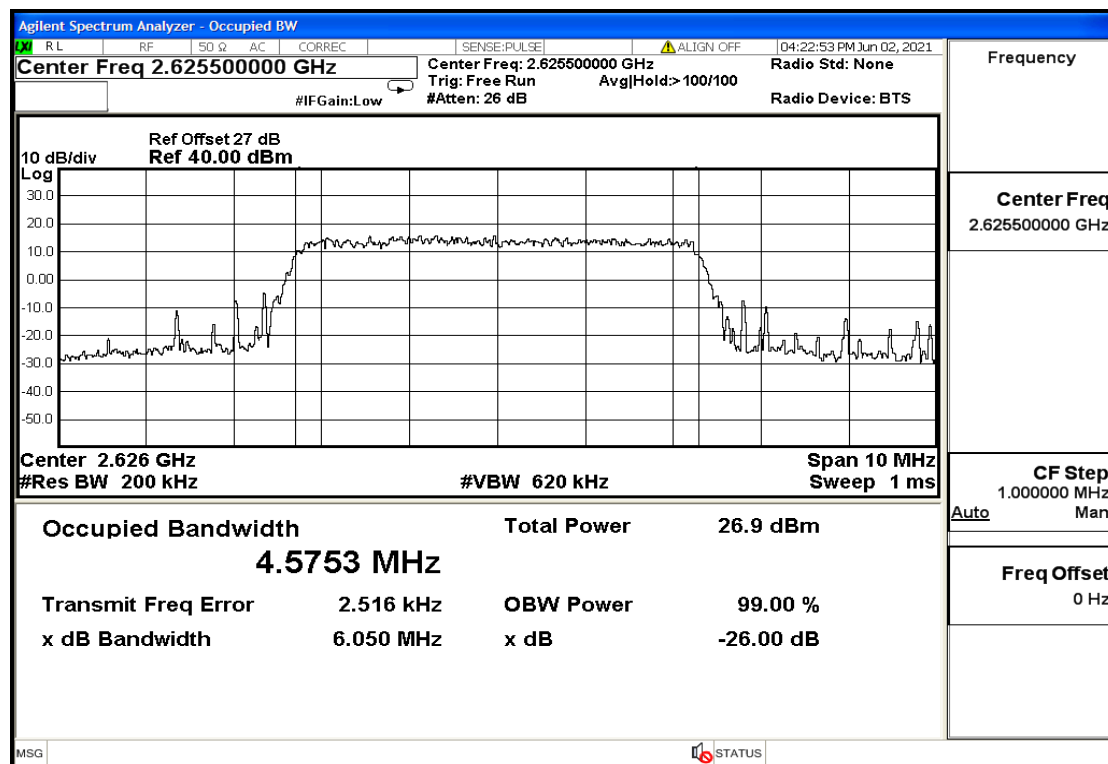
Band41-5-2593-16QAM-25#LOW@26dB and 99PCT Bandwidth



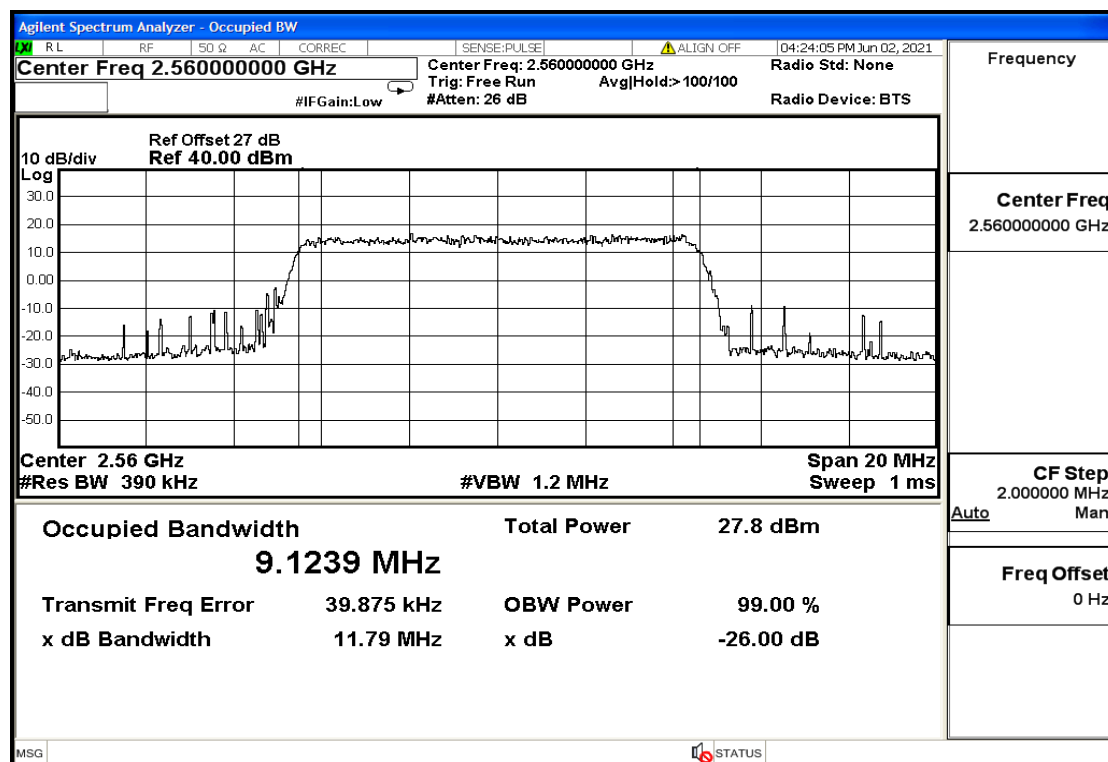
Band41-5-2652.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



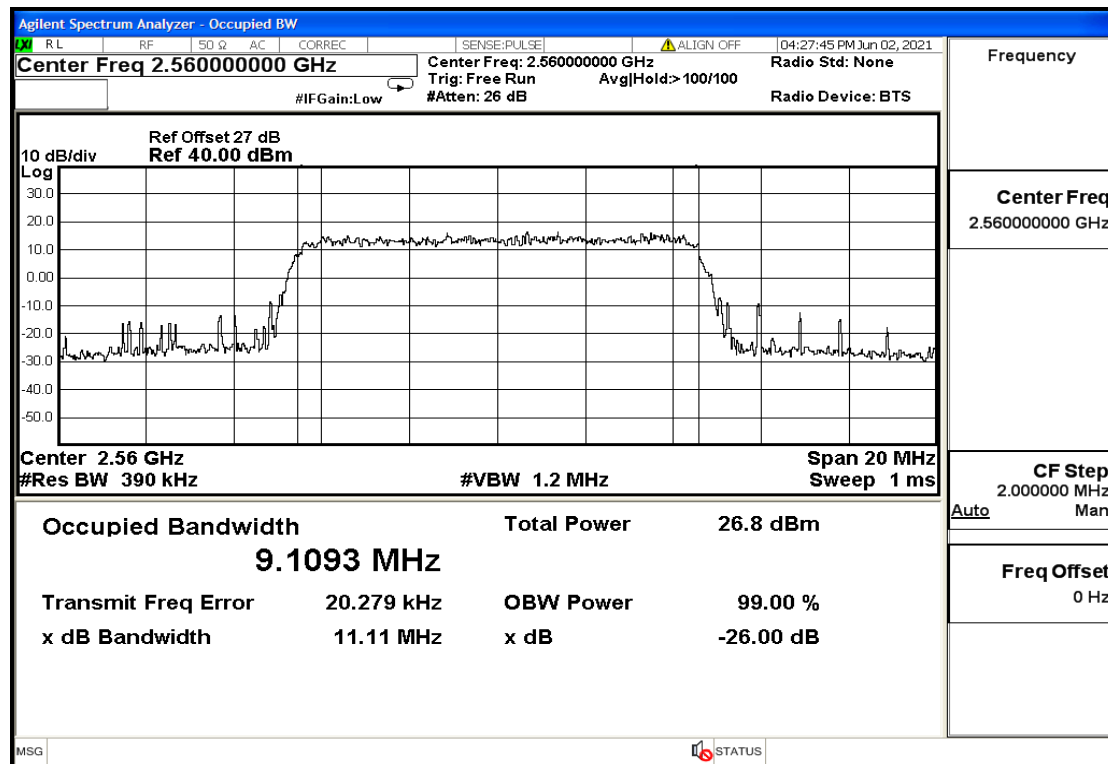
Band41-5-2652.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



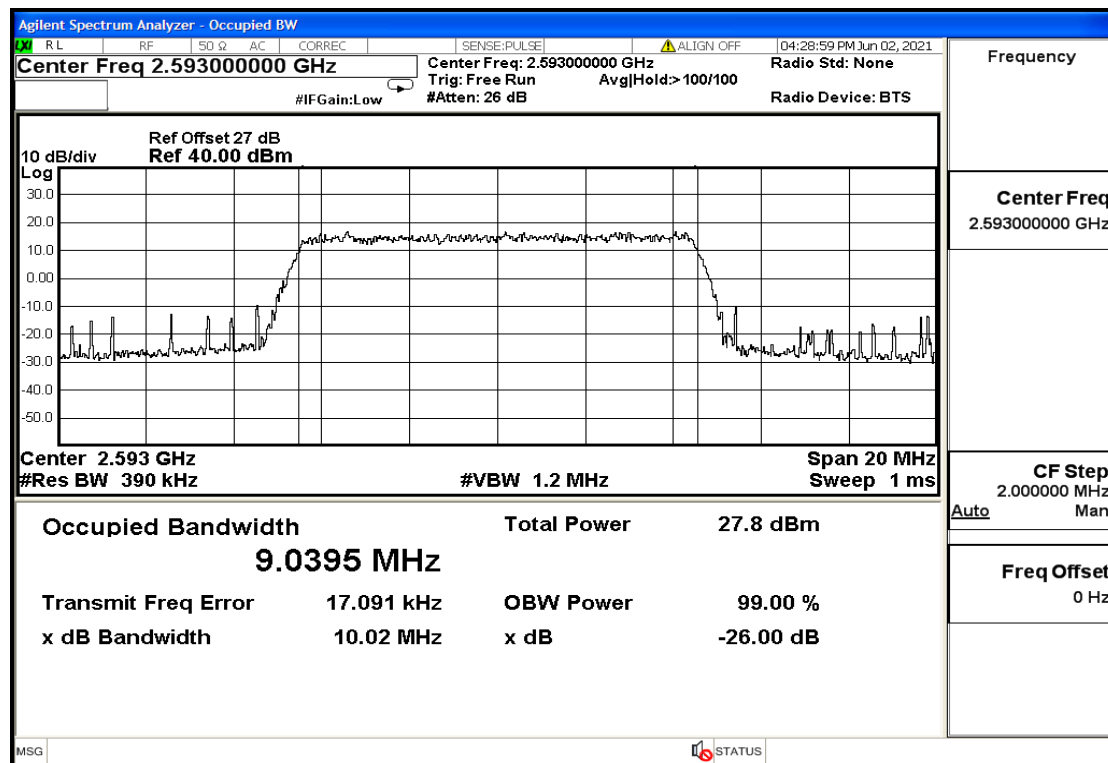
Band41-10-2560-QPSK-50#LOW@26dB and 99PCT Bandwidth



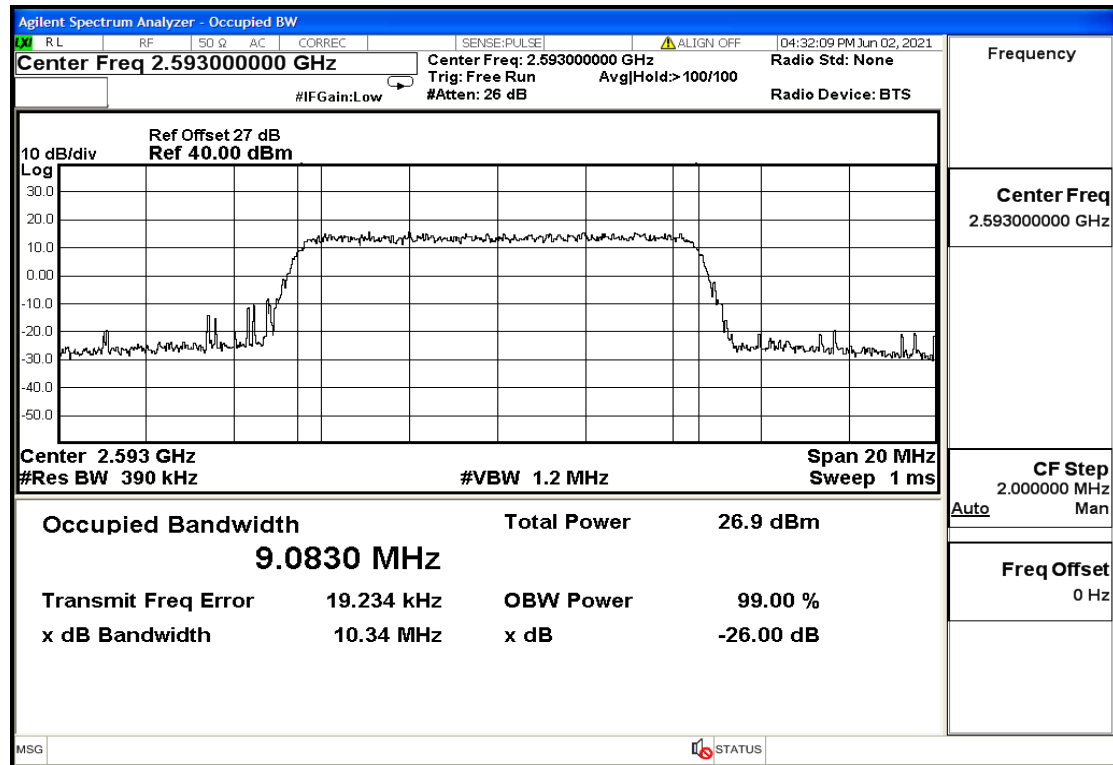
Band41-10-2560-16QAM-50#LOW@26dB and 99PCT Bandwidth



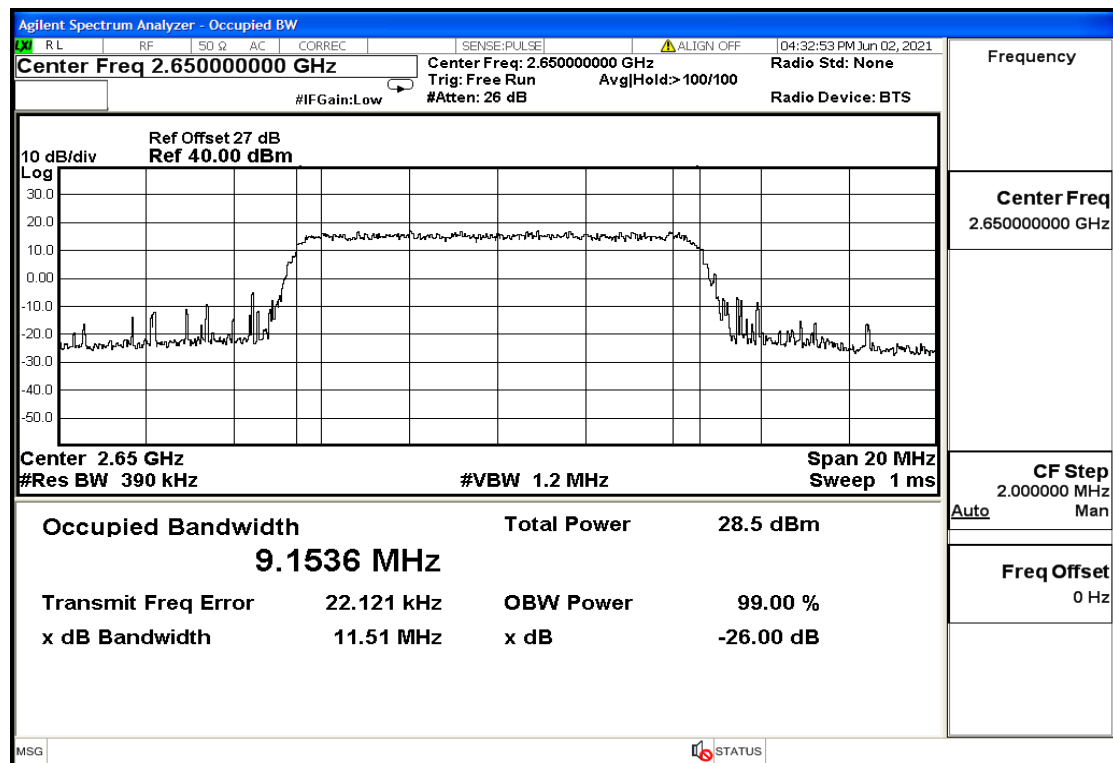
Band41-10-2593-QPSK-50#LOW@26dB and 99PCT Bandwidth



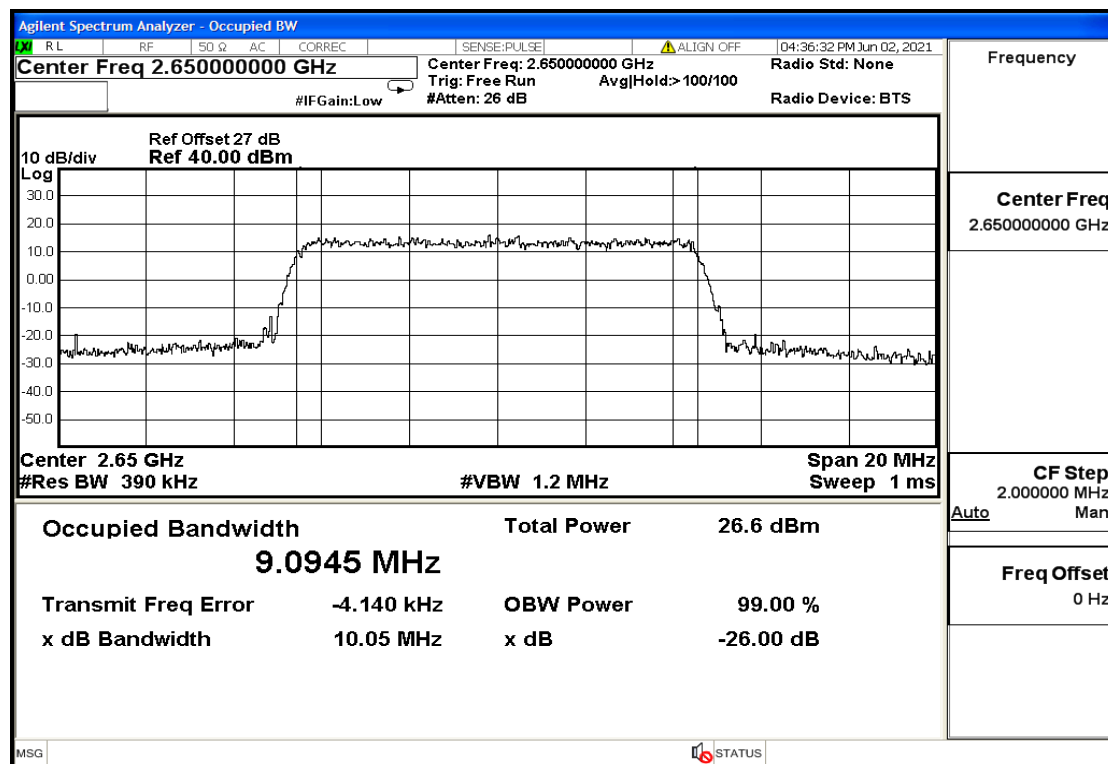
Band41-10-2593-16QAM-50#LOW@26dB and 99PCT Bandwidth



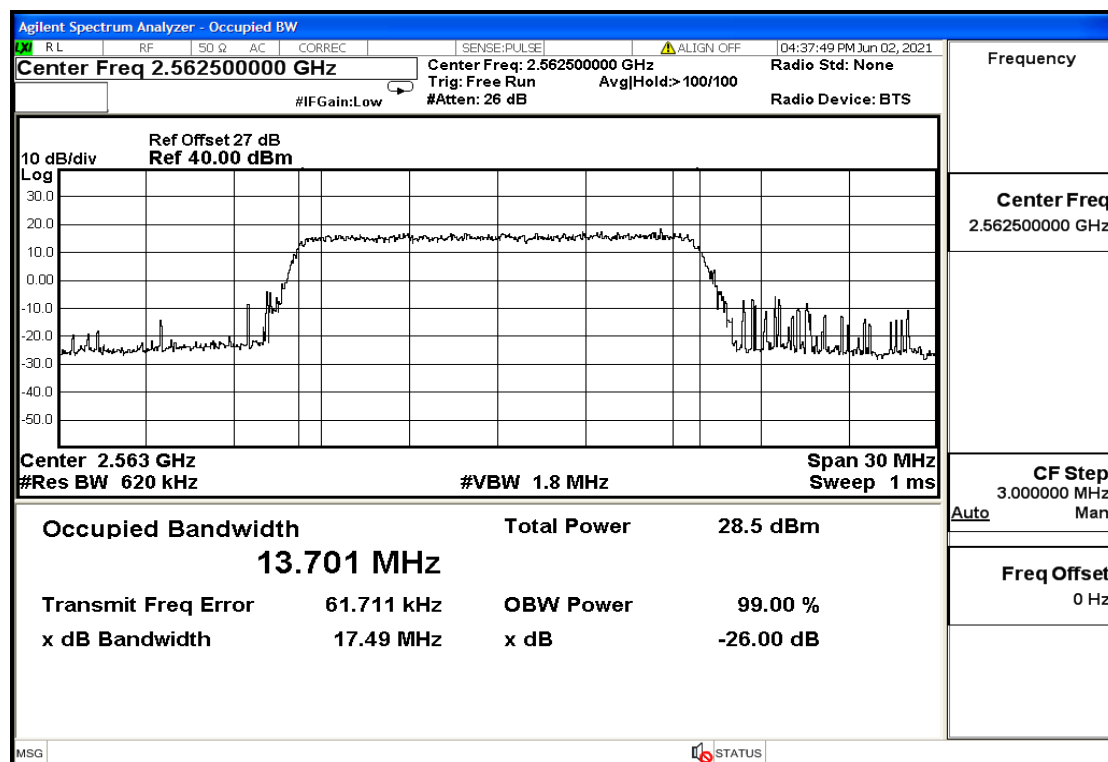
Band41-10-2650-QPSK-50#LOW@26dB and 99PCT Bandwidth



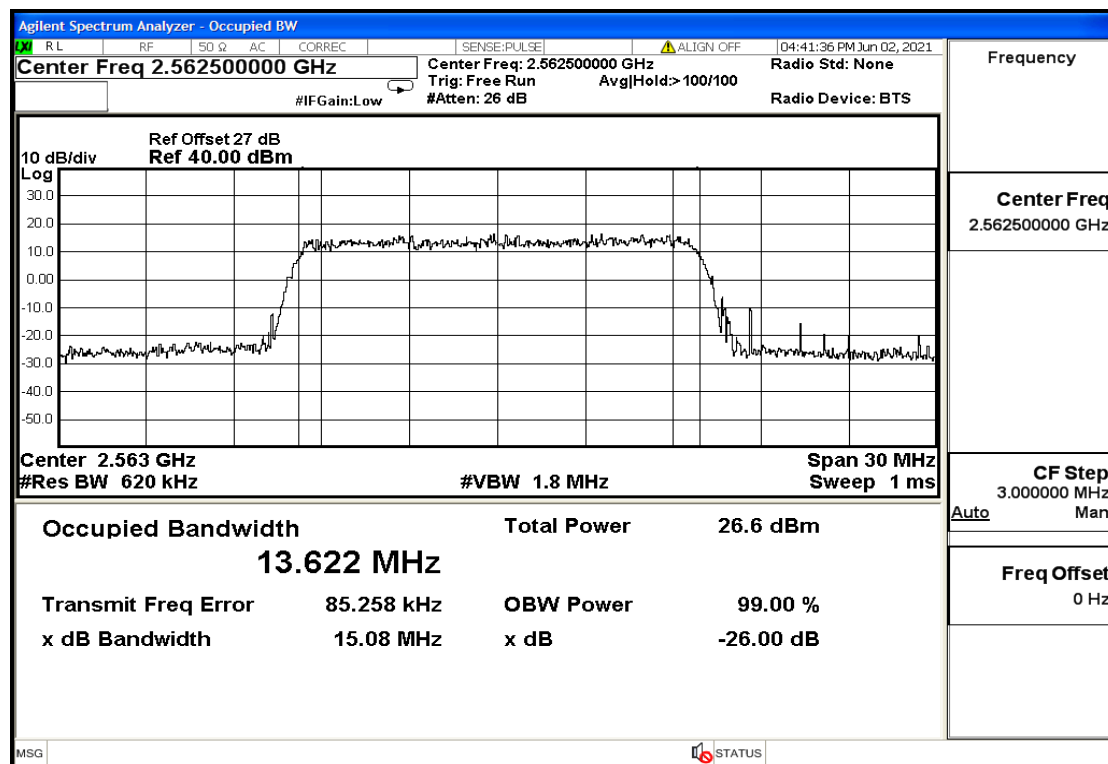
Band41-10-2650-16QAM-50#LOW@26dB and 99PCT Bandwidth



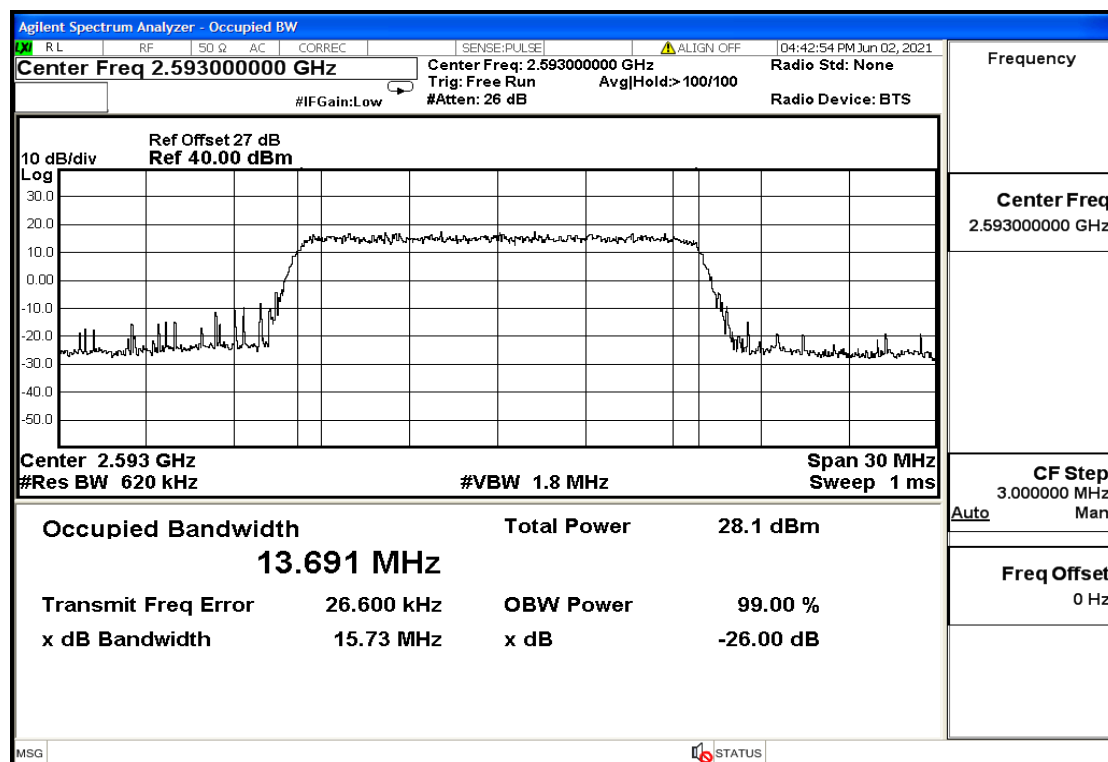
Band41-15-2562.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



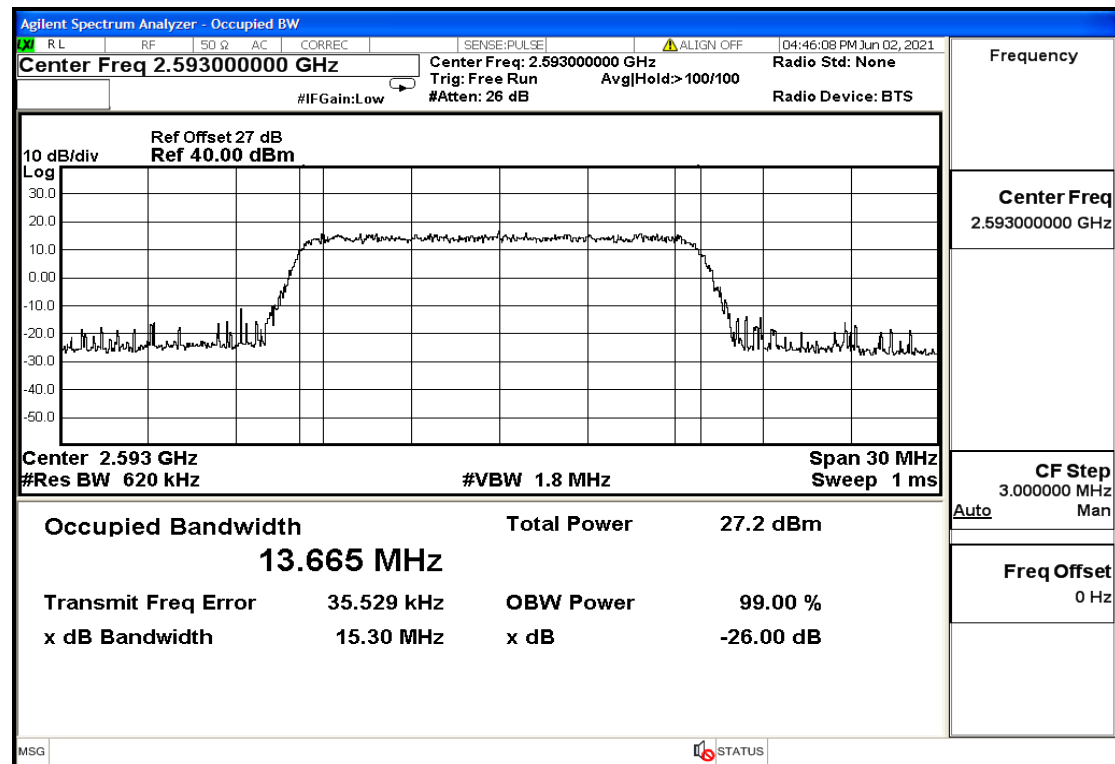
Band41-15-2562.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



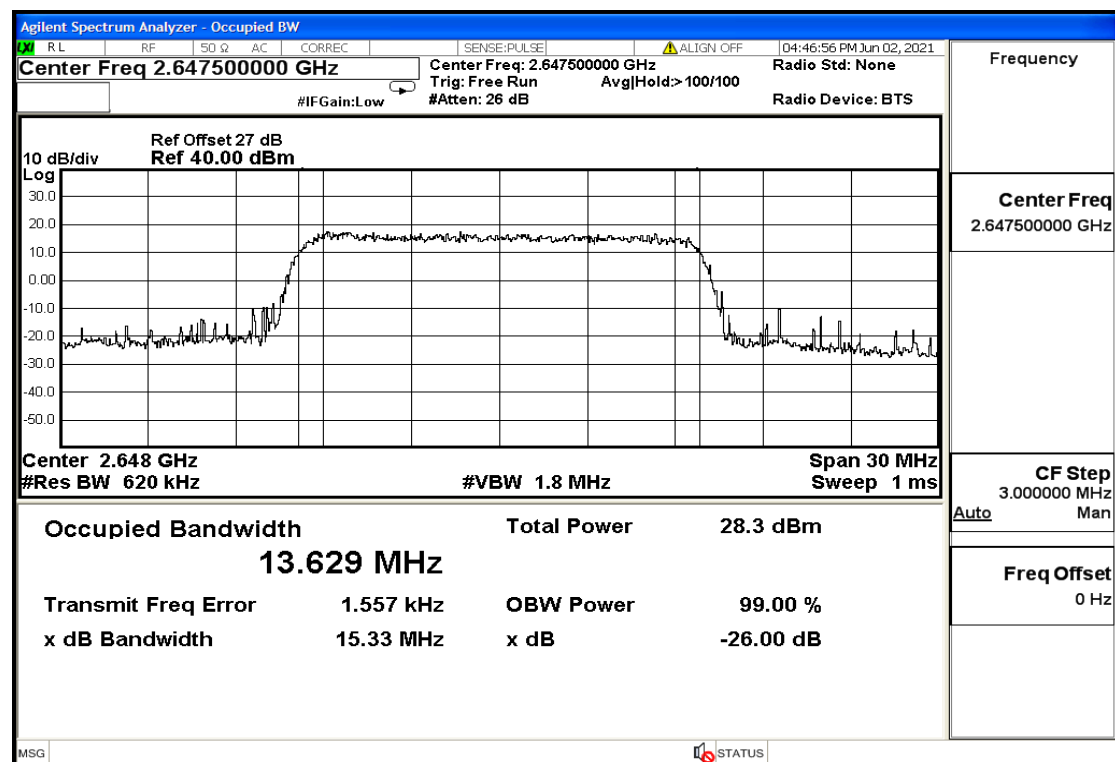
Band41-15-2593-QPSK-75#LOW@26dB and 99PCT Bandwidth



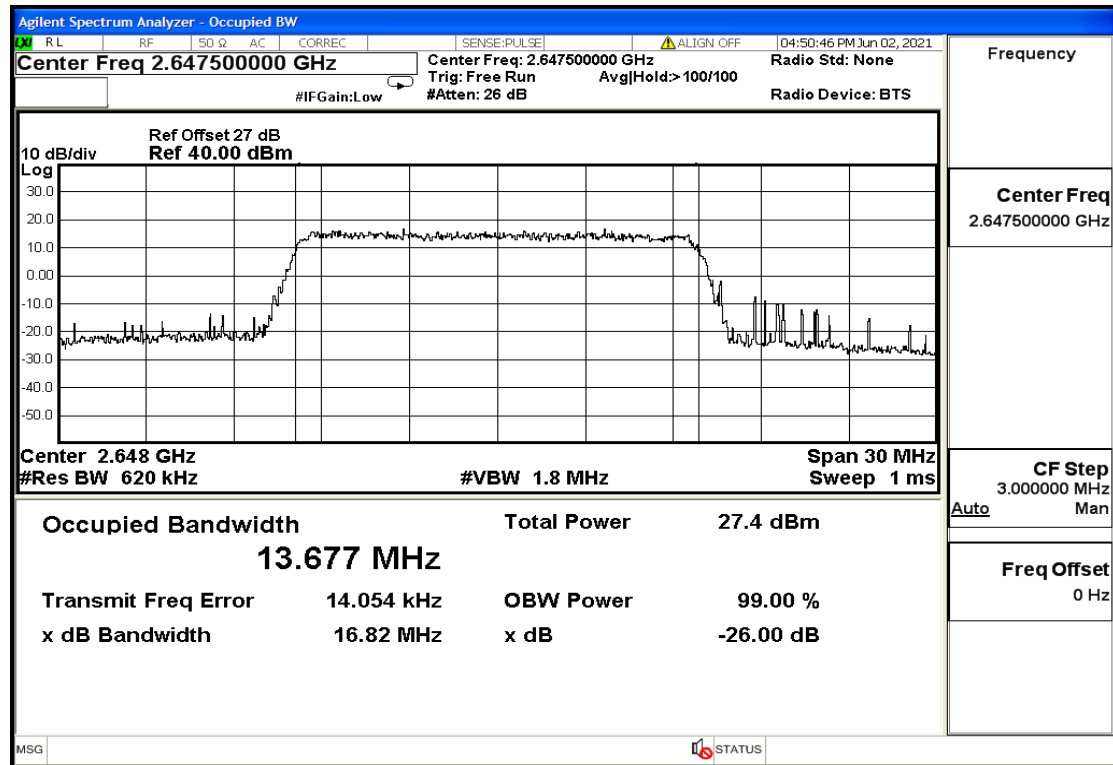
Band41-15-2593-16QAM-75#LOW@26dB and 99PCT Bandwidth



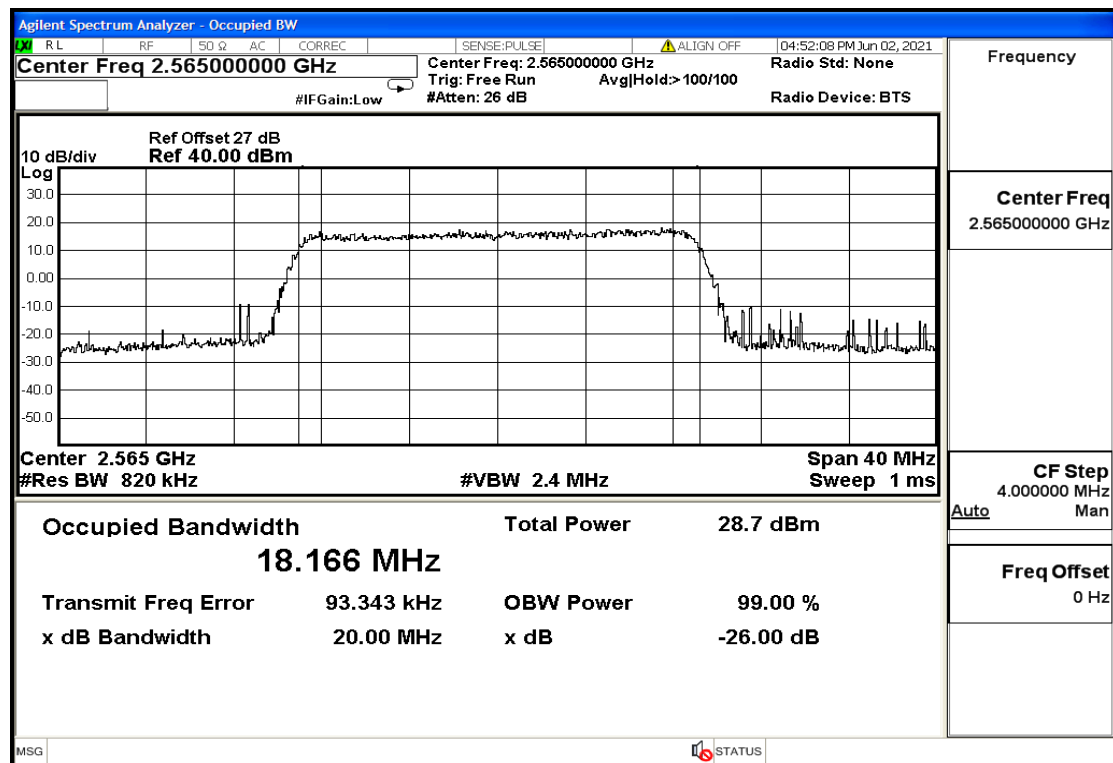
Band41-15-2647.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



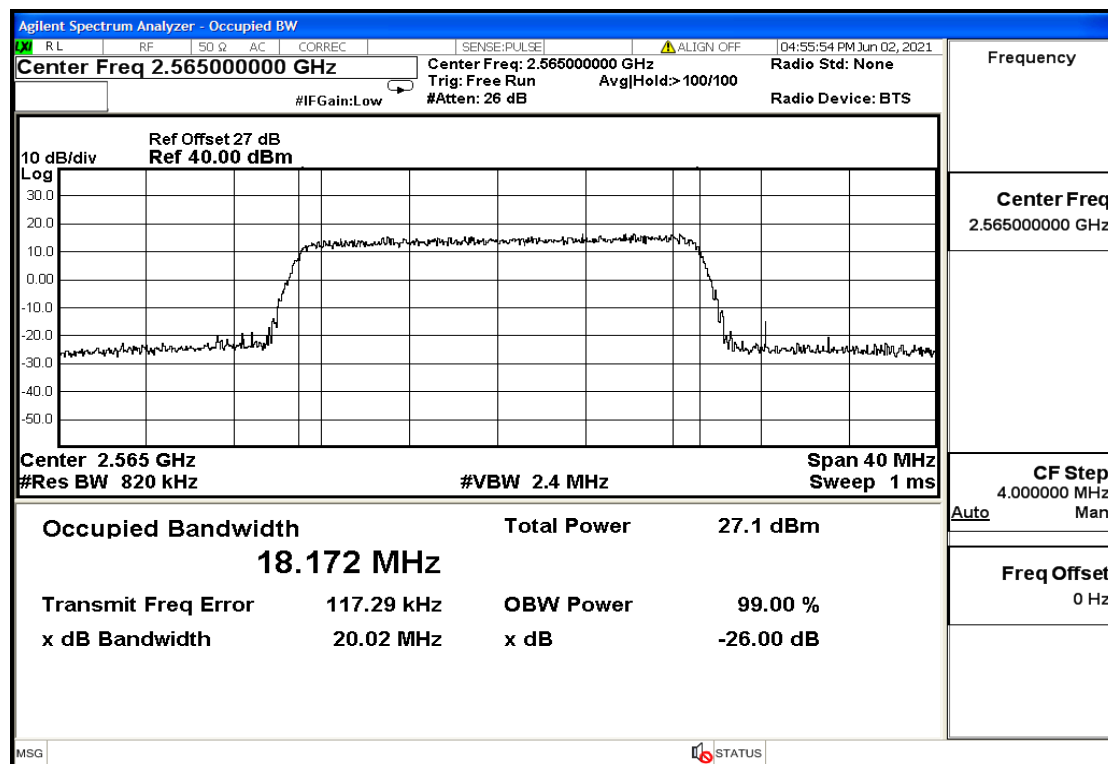
Band41-15-2647.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



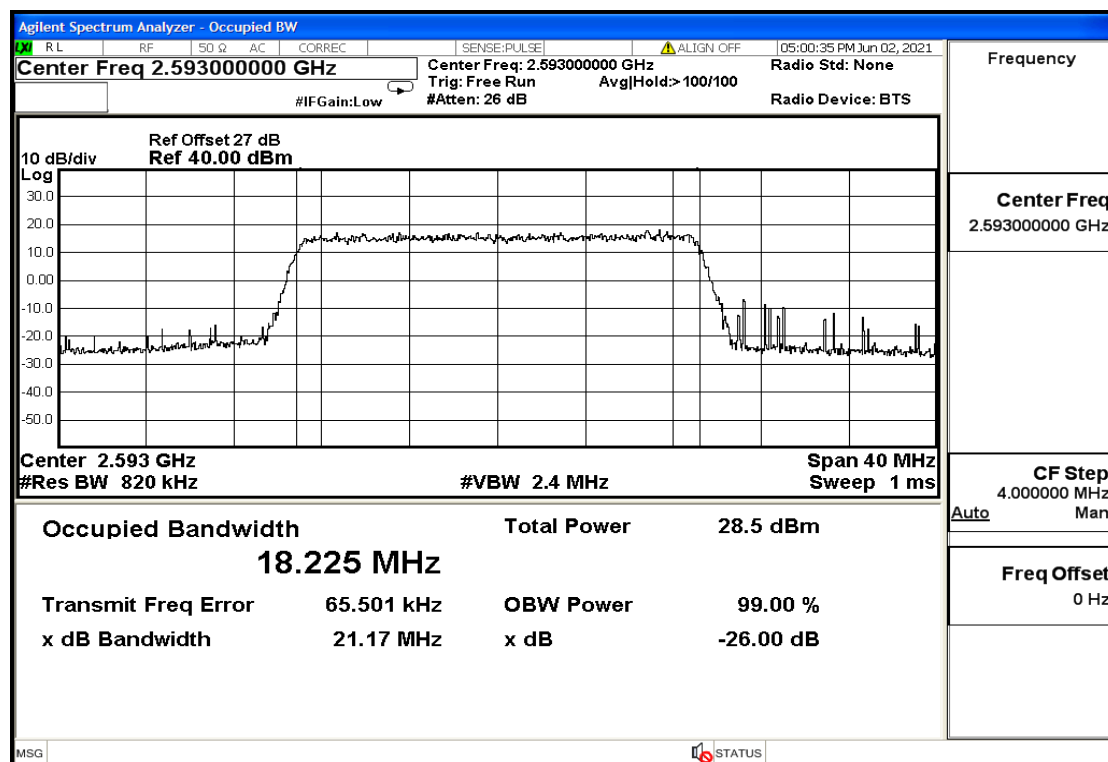
Band41-20-2565-QPSK-100#LOW@26dB and 99PCT Bandwidth



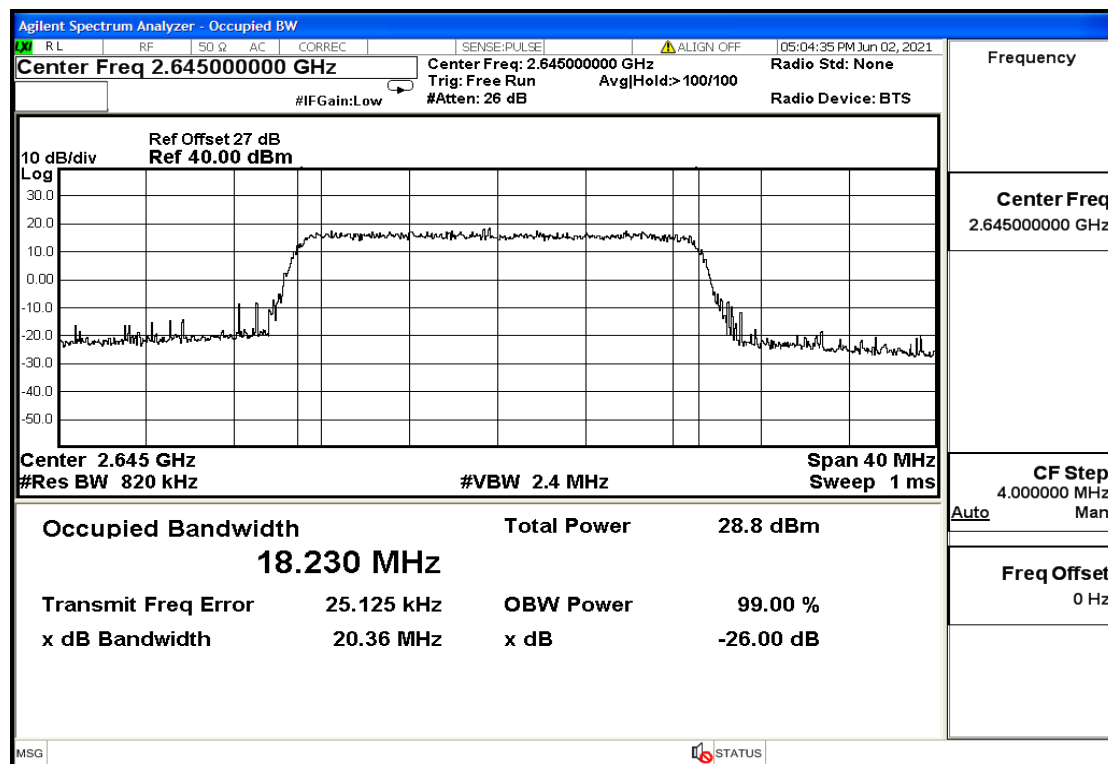
Band41-20-2565-16QAM-100#LOW@26dB and 99PCT Bandwidth



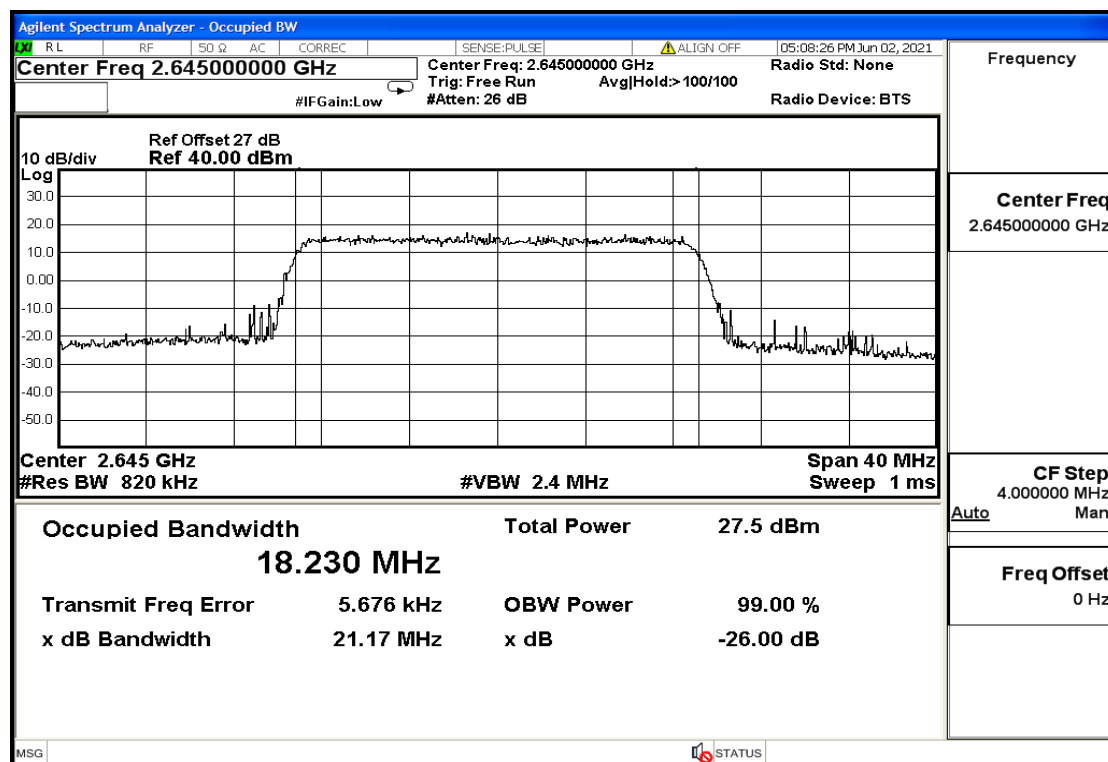
Band41-20-2593-QPSK-100#LOW@26dB and 99PCT Bandwidth



## Band41-20-2645-QPSK-100#LOW@26dB and 99PCT Bandwidth



## Band41-20-2645-16QAM-100#LOW@26dB and 99PCT Bandwidth



## Frequency Stability

| Test Conditions  |                   | LTE Band 41<br>(QPSK) / Middle<br>Channel | Limit  |
|------------------|-------------------|-------------------------------------------|--------|
| Temperature (°C) | Voltage (Volt)    | BW 5MHz                                   | 2.5ppm |
|                  |                   | Deviation (ppm)                           | Result |
| 50               | Normal Voltage    | 0.0601                                    | PASS   |
| 40               | Normal Voltage    | 0.0320                                    |        |
| 30               | Normal Voltage    | 0.0190                                    |        |
| 20(Ref.)         | Normal Voltage    | 0.0243                                    |        |
| 10               | Normal Voltage    | 0.0654                                    |        |
| 0                | Normal Voltage    | 0.0174                                    |        |
| -10              | Normal Voltage    | 0.0444                                    |        |
| -20              | Normal Voltage    | 0.0387                                    |        |
| -30              | Normal Voltage    | 0.0197                                    |        |
| 20               | Maximum Voltage   | 0.0165                                    |        |
| 20               | Normal Voltage    | 0.0253                                    |        |
| 20               | Battery End Point | 0.0632                                    |        |

## Peak and Average Power

| Band   | Bandwidth(MHz) | UL Frequency(MHz) | Modulation | RB Size | RB Offset | Average Power | Peak Power | Peak to Average(dB) | limit(dB) | AntGain(dBi) | ERP/EIRP(dBm) | Limit(dBm) | Conclusion |
|--------|----------------|-------------------|------------|---------|-----------|---------------|------------|---------------------|-----------|--------------|---------------|------------|------------|
| Band41 | 5              | 2557.5            | QPSK       | 25      | LOW       | 21.4          | 27.58      | 6.18                | 13        | 1.72         | 23.12         | 33         | Pass       |
| Band41 | 5              | 2557.5            | QPSK       | 12      | LOW       | 21.2          | 27.84      | 6.64                | 13        | 1.72         | 22.92         | 33         | Pass       |
| Band41 | 5              | 2557.5            | QPSK       | 12      | MID       | 21.2          | 27.91      | 6.71                | 13        | 1.72         | 22.92         | 33         | Pass       |
| Band41 | 5              | 2557.5            | QPSK       | 12      | HIGH      | 21.35         | 27.91      | 6.56                | 13        | 1.72         | 23.07         | 33         | Pass       |
| Band41 | 5              | 2557.5            | QPSK       | 1       | LOW       | 22.24         | 27.4       | 5.16                | 13        | 1.72         | 23.96         | 33         | Pass       |
| Band41 | 5              | 2557.5            | QPSK       | 1       | MID       | 22.14         | 27.31      | 5.17                | 13        | 1.72         | 23.86         | 33         | Pass       |
| Band41 | 5              | 2557.5            | QPSK       | 1       | HIGH      | 22.09         | 27.25      | 5.16                | 13        | 1.72         | 23.81         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 25      | LOW       | 19.87         | 26.71      | 6.84                | 13        | 1.72         | 21.59         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 12      | LOW       | 20.06         | 27.6       | 7.54                | 13        | 1.72         | 21.78         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 12      | MID       | 19.9          | 27.54      | 7.64                | 13        | 1.72         | 21.62         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 12      | HIGH      | 19.85         | 27.31      | 7.46                | 13        | 1.72         | 21.57         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 1       | LOW       | 22.36         | 27.68      | 5.32                | 13        | 1.72         | 24.08         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 1       | MID       | 22.17         | 27.63      | 5.46                | 13        | 1.72         | 23.89         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 1       | HIGH      | 22.18         | 27.59      | 5.41                | 13        | 1.72         | 23.9          | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 25      | LOW       | 21.23         | 28.04      | 6.81                | 13        | 1.72         | 22.95         | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 12      | LOW       | 21.37         | 28.19      | 6.82                | 13        | 1.72         | 23.09         | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 12      | MID       | 21.37         | 28.25      | 6.88                | 13        | 1.72         | 23.09         | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 12      | HIGH      | 21.45         | 28.2       | 6.75                | 13        | 1.72         | 23.17         | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 1       | LOW       | 22.46         | 27.56      | 5.1                 | 13        | 1.72         | 24.18         | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 1       | MID       | 22.37         | 27.46      | 5.09                | 13        | 1.72         | 24.09         | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 1       | HIGH      | 22.43         | 27.52      | 5.09                | 13        | 1.72         | 24.15         | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 25      | LOW       | 19.88         | 26.92      | 7.04                | 13        | 1.72         | 21.6          | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 12      | LOW       | 19.94         | 26.78      | 6.84                | 13        | 1.72         | 21.66         | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 12      | MID       | 19.94         | 26.76      | 6.82                | 13        | 1.72         | 21.66         | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 12      | HIGH      | 19.9          | 26.84      | 6.94                | 13        | 1.72         | 21.62         | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 1       | LOW       | 21.17         | 27.31      | 6.14                | 13        | 1.72         | 22.89         | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 1       | MID       | 21.37         | 26.98      | 5.61                | 13        | 1.72         | 23.09         | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 1       | HIGH      | 21.25         | 27.03      | 5.78                | 13        | 1.72         | 22.97         | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 25      | LOW       | 21.47         | 27.53      | 6.06                | 13        | 1.72         | 23.19         | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 12      | LOW       | 21.42         | 27.65      | 6.23                | 13        | 1.72         | 23.14         | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 12      | MID       | 21.42         | 27.8       | 6.38                | 13        | 1.72         | 23.14         | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 12      | HIGH      | 21.43         | 27.69      | 6.26                | 13        | 1.72         | 23.15         | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 1       | LOW       | 22.43         | 27.86      | 5.43                | 13        | 1.72         | 24.15         | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 1       | MID       | 22.44         | 27.83      | 5.39                | 13        | 1.72         | 24.16         | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 1       | HIGH      | 22.51         | 27.91      | 5.4                 | 13        | 1.72         | 24.23         | 33         | Pass       |
| Band41 | 5              | 2652.5            | 16QAM      | 25      | LOW       | 20.08         | 27.72      | 7.64                | 13        | 1.72         | 21.8          | 33         | Pass       |
| Band41 | 5              | 2652.5            | 16QAM      | 12      | LOW       | 20.15         | 27.21      | 7.06                | 13        | 1.72         | 21.87         | 33         | Pass       |
| Band41 | 5              | 2652.5            | 16QAM      | 12      | MID       | 20.15         | 27.25      | 7.1                 | 13        | 1.72         | 21.87         | 33         | Pass       |
| Band41 | 5              | 2652.5            | 16QAM      | 12      | HIGH      | 20.17         | 27.31      | 7.14                | 13        | 1.72         | 21.89         | 33         | Pass       |
| Band41 | 5              | 2652.5            | 16QAM      | 1       | LOW       | 21.6          | 27.77      | 6.17                | 13        | 1.72         | 23.32         | 33         | Pass       |

|        |    |        |       |    |      |       |       |      |    |      |       |    |      |
|--------|----|--------|-------|----|------|-------|-------|------|----|------|-------|----|------|
| Band41 | 5  | 2652.5 | 16QAM | 1  | MID  | 21.67 | 27.74 | 6.07 | 13 | 1.72 | 23.39 | 33 | Pass |
| Band41 | 5  | 2652.5 | 16QAM | 1  | HIGH | 21.47 | 27.7  | 6.23 | 13 | 1.72 | 23.19 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 50 | LOW  | 20.98 | 27.67 | 6.69 | 13 | 1.72 | 22.7  | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 25 | LOW  | 20.95 | 27.47 | 6.52 | 13 | 1.72 | 22.67 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 25 | MID  | 20.94 | 27.44 | 6.5  | 13 | 1.72 | 22.66 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 25 | HIGH | 20.89 | 27.39 | 6.5  | 13 | 1.72 | 22.61 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 1  | LOW  | 22.12 | 28.2  | 6.08 | 13 | 1.72 | 23.84 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 1  | MID  | 21.96 | 28.06 | 6.1  | 13 | 1.72 | 23.68 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 1  | HIGH | 22.03 | 28.14 | 6.11 | 13 | 1.72 | 23.75 | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 50 | LOW  | 19.51 | 27.29 | 7.78 | 13 | 1.72 | 21.23 | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 25 | LOW  | 19.65 | 27.95 | 8.3  | 13 | 1.72 | 21.37 | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 25 | MID  | 19.65 | 27.94 | 8.29 | 13 | 1.72 | 21.37 | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 25 | HIGH | 19.56 | 27.71 | 8.15 | 13 | 1.72 | 21.28 | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 1  | LOW  | 21.5  | 28.42 | 6.92 | 13 | 1.72 | 23.22 | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 1  | MID  | 21.35 | 27.19 | 5.84 | 13 | 1.72 | 23.07 | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 1  | HIGH | 21.3  | 27.63 | 6.33 | 13 | 1.72 | 23.02 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 50 | LOW  | 20.83 | 27.52 | 6.69 | 13 | 1.72 | 22.55 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 25 | LOW  | 20.99 | 27.62 | 6.63 | 13 | 1.72 | 22.71 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 25 | MID  | 20.99 | 27.54 | 6.55 | 13 | 1.72 | 22.71 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 25 | HIGH | 21.07 | 27.64 | 6.57 | 13 | 1.72 | 22.79 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 1  | LOW  | 22.2  | 27.86 | 5.66 | 13 | 1.72 | 23.92 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 1  | MID  | 22.26 | 27.9  | 5.64 | 13 | 1.72 | 23.98 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 1  | HIGH | 22.27 | 27.93 | 5.66 | 13 | 1.72 | 23.99 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 50 | LOW  | 19.74 | 26.91 | 7.17 | 13 | 1.72 | 21.46 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 25 | LOW  | 19.52 | 27.12 | 7.6  | 13 | 1.72 | 21.24 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 25 | MID  | 19.52 | 27.01 | 7.49 | 13 | 1.72 | 21.24 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 25 | HIGH | 19.67 | 27.17 | 7.5  | 13 | 1.72 | 21.39 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 1  | LOW  | 21.37 | 28.17 | 6.8  | 13 | 1.72 | 23.09 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 1  | MID  | 21.81 | 28.4  | 6.59 | 13 | 1.72 | 23.53 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 1  | HIGH | 21.62 | 28.31 | 6.69 | 13 | 1.72 | 23.34 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 50 | LOW  | 21.26 | 28.05 | 6.79 | 13 | 1.72 | 22.98 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 25 | LOW  | 21.14 | 27.33 | 6.19 | 13 | 1.72 | 22.86 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 25 | MID  | 21.14 | 27.35 | 6.21 | 13 | 1.72 | 22.86 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 25 | HIGH | 21.06 | 27.26 | 6.2  | 13 | 1.72 | 22.78 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 1  | LOW  | 22.12 | 27.33 | 5.21 | 13 | 1.72 | 23.84 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 1  | MID  | 22.1  | 27.08 | 4.98 | 13 | 1.72 | 23.82 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 1  | HIGH | 22.09 | 27.14 | 5.05 | 13 | 1.72 | 23.81 | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 50 | LOW  | 19.76 | 27.19 | 7.43 | 13 | 1.72 | 21.48 | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 25 | LOW  | 19.95 | 26.85 | 6.9  | 13 | 1.72 | 21.67 | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 25 | MID  | 19.97 | 26.9  | 6.93 | 13 | 1.72 | 21.69 | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 25 | HIGH | 19.86 | 26.79 | 6.93 | 13 | 1.72 | 21.58 | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 1  | LOW  | 21.57 | 28.02 | 6.45 | 13 | 1.72 | 23.29 | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 1  | MID  | 21.64 | 26.95 | 5.31 | 13 | 1.72 | 23.36 | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 1  | HIGH | 21.94 | 27.88 | 5.94 | 13 | 1.72 | 23.66 | 33 | Pass |
| Band41 | 15 | 2562.5 | QPSK  | 75 | LOW  | 21.05 | 27.89 | 6.84 | 13 | 1.72 | 22.77 | 33 | Pass |
| Band41 | 15 | 2562.5 | QPSK  | 38 | LOW  | 20.95 | 27.78 | 6.83 | 13 | 1.72 | 22.67 | 33 | Pass |

|        |    |        |       |     |      |       |       |      |    |      |       |    |      |
|--------|----|--------|-------|-----|------|-------|-------|------|----|------|-------|----|------|
| Band41 | 15 | 2562.5 | QPSK  | 38  | MID  | 20.95 | 27.74 | 6.79 | 13 | 1.72 | 22.67 | 33 | Pass |
| Band41 | 15 | 2562.5 | QPSK  | 38  | HIGH | 20.95 | 27.81 | 6.86 | 13 | 1.72 | 22.67 | 33 | Pass |
| Band41 | 15 | 2562.5 | QPSK  | 1   | LOW  | 22.04 | 28.12 | 6.08 | 13 | 1.72 | 23.76 | 33 | Pass |
| Band41 | 15 | 2562.5 | QPSK  | 1   | MID  | 21.9  | 27.94 | 6.04 | 13 | 1.72 | 23.62 | 33 | Pass |
| Band41 | 15 | 2562.5 | QPSK  | 1   | HIGH | 21.89 | 28.07 | 6.18 | 13 | 1.72 | 23.61 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 75  | LOW  | 19.54 | 27.79 | 8.25 | 13 | 1.72 | 21.26 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 38  | LOW  | 19.68 | 27.86 | 8.18 | 13 | 1.72 | 21.4  | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 38  | MID  | 19.69 | 27.89 | 8.2  | 13 | 1.72 | 21.41 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 38  | HIGH | 19.69 | 27.95 | 8.26 | 13 | 1.72 | 21.41 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 1   | LOW  | 21.04 | 27.1  | 6.06 | 13 | 1.72 | 22.76 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 1   | MID  | 21.03 | 26.96 | 5.93 | 13 | 1.72 | 22.75 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 1   | HIGH | 21.13 | 27.05 | 5.92 | 13 | 1.72 | 22.85 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 75  | LOW  | 20.83 | 27.36 | 6.53 | 13 | 1.72 | 22.55 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 38  | LOW  | 20.99 | 27.52 | 6.53 | 13 | 1.72 | 22.71 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 38  | MID  | 20.99 | 27.5  | 6.51 | 13 | 1.72 | 22.71 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 38  | HIGH | 20.99 | 27.55 | 6.56 | 13 | 1.72 | 22.71 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 1   | LOW  | 22.14 | 27.8  | 5.66 | 13 | 1.72 | 23.86 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 1   | MID  | 22.28 | 27.83 | 5.55 | 13 | 1.72 | 24    | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 1   | HIGH | 22.26 | 27.93 | 5.67 | 13 | 1.72 | 23.98 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 75  | LOW  | 19.64 | 27.06 | 7.42 | 13 | 1.72 | 21.36 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 38  | LOW  | 19.52 | 26.94 | 7.42 | 13 | 1.72 | 21.24 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 38  | MID  | 19.52 | 26.93 | 7.41 | 13 | 1.72 | 21.24 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 38  | HIGH | 19.53 | 26.9  | 7.37 | 13 | 1.72 | 21.25 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 1   | LOW  | 21.49 | 28.27 | 6.78 | 13 | 1.72 | 23.21 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 1   | MID  | 21.65 | 28.37 | 6.72 | 13 | 1.72 | 23.37 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 1   | HIGH | 21.38 | 28.14 | 6.76 | 13 | 1.72 | 23.1  | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 75  | LOW  | 21.23 | 28.1  | 6.87 | 13 | 1.72 | 22.95 | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 38  | LOW  | 21.04 | 27.91 | 6.87 | 13 | 1.72 | 22.76 | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 38  | MID  | 21.04 | 27.96 | 6.92 | 13 | 1.72 | 22.76 | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 38  | HIGH | 21.04 | 27.92 | 6.88 | 13 | 1.72 | 22.76 | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 1   | LOW  | 21.89 | 27.34 | 5.45 | 13 | 1.72 | 23.61 | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 1   | MID  | 22.03 | 27.16 | 5.13 | 13 | 1.72 | 23.75 | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 1   | HIGH | 21.86 | 26.96 | 5.1  | 13 | 1.72 | 23.58 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 75  | LOW  | 19.69 | 27.6  | 7.91 | 13 | 1.72 | 21.41 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 38  | LOW  | 19.84 | 27.75 | 7.91 | 13 | 1.72 | 21.56 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 38  | MID  | 19.81 | 27.74 | 7.93 | 13 | 1.72 | 21.53 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 38  | HIGH | 19.81 | 27.72 | 7.91 | 13 | 1.72 | 21.53 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 1   | LOW  | 21.31 | 27.2  | 5.89 | 13 | 1.72 | 23.03 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 1   | MID  | 21.3  | 27    | 5.7  | 13 | 1.72 | 23.02 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 1   | HIGH | 21.25 | 27    | 5.75 | 13 | 1.72 | 22.97 | 33 | Pass |
| Band41 | 20 | 2565   | QPSK  | 100 | LOW  | 21.03 | 27.89 | 6.86 | 13 | 1.72 | 22.75 | 33 | Pass |
| Band41 | 20 | 2565   | QPSK  | 50  | LOW  | 20.91 | 27.51 | 6.6  | 13 | 1.72 | 22.63 | 33 | Pass |
| Band41 | 20 | 2565   | QPSK  | 50  | MID  | 20.91 | 27.5  | 6.59 | 13 | 1.72 | 22.63 | 33 | Pass |
| Band41 | 20 | 2565   | QPSK  | 50  | HIGH | 20.96 | 27.47 | 6.51 | 13 | 1.72 | 22.68 | 33 | Pass |
| Band41 | 20 | 2565   | QPSK  | 1   | LOW  | 22    | 27.68 | 5.68 | 13 | 1.72 | 23.72 | 33 | Pass |
| Band41 | 20 | 2565   | QPSK  | 1   | MID  | 21.92 | 27.06 | 5.14 | 13 | 1.72 | 23.64 | 33 | Pass |

|        |    |      |       |     |      |       |       |      |    |      |       |    |      |
|--------|----|------|-------|-----|------|-------|-------|------|----|------|-------|----|------|
| Band41 | 20 | 2565 | QPSK  | 1   | HIGH | 22.11 | 27.45 | 5.34 | 13 | 1.72 | 23.83 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 100 | LOW  | 19.49 | 27.52 | 8.03 | 13 | 1.72 | 21.21 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 50  | LOW  | 19.71 | 27.56 | 7.85 | 13 | 1.72 | 21.43 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 50  | MID  | 19.71 | 27.54 | 7.83 | 13 | 1.72 | 21.43 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 50  | HIGH | 19.81 | 27.48 | 7.67 | 13 | 1.72 | 21.53 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 1   | LOW  | 21.61 | 29.31 | 7.7  | 13 | 1.72 | 23.33 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 1   | MID  | 21.43 | 26.79 | 5.36 | 13 | 1.72 | 23.15 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 1   | HIGH | 21.42 | 28.88 | 7.46 | 13 | 1.72 | 23.14 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 100 | LOW  | 21.09 | 28.08 | 6.99 | 13 | 1.72 | 22.81 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 50  | LOW  | 20.95 | 27.71 | 6.76 | 13 | 1.72 | 22.67 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 50  | MID  | 20.96 | 27.78 | 6.82 | 13 | 1.72 | 22.68 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 50  | HIGH | 21.17 | 27.97 | 6.8  | 13 | 1.72 | 22.89 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 1   | LOW  | 22.09 | 27.38 | 5.29 | 13 | 1.72 | 23.81 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 1   | MID  | 22.07 | 27.23 | 5.16 | 13 | 1.72 | 23.79 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 1   | HIGH | 22.08 | 27.35 | 5.27 | 13 | 1.72 | 23.8  | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 100 | LOW  | 19.42 | 27.29 | 7.87 | 13 | 1.72 | 21.14 | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 50  | LOW  | 19.51 | 27.53 | 8.02 | 13 | 1.72 | 21.23 | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 50  | MID  | 19.51 | 27.51 | 8    | 13 | 1.72 | 21.23 | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 50  | HIGH | 19.62 | 27.57 | 7.95 | 13 | 1.72 | 21.34 | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 1   | LOW  | 20.59 | 27.66 | 7.07 | 13 | 1.72 | 22.31 | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 1   | MID  | 20.62 | 26.86 | 6.24 | 13 | 1.72 | 22.34 | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 1   | HIGH | 20.59 | 27.79 | 7.2  | 13 | 1.72 | 22.31 | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 100 | LOW  | 21.19 | 28.04 | 6.85 | 13 | 1.72 | 22.91 | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 50  | LOW  | 21.13 | 27.87 | 6.74 | 13 | 1.72 | 22.85 | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 50  | MID  | 21.13 | 27.84 | 6.71 | 13 | 1.72 | 22.85 | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 50  | HIGH | 21.13 | 27.61 | 6.48 | 13 | 1.72 | 22.85 | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 1   | LOW  | 22.15 | 27.8  | 5.65 | 13 | 1.72 | 23.87 | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 1   | MID  | 22.24 | 27.44 | 5.2  | 13 | 1.72 | 23.96 | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 1   | HIGH | 22.42 | 27.94 | 5.52 | 13 | 1.72 | 24.14 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 100 | LOW  | 19.87 | 27.75 | 7.88 | 13 | 1.72 | 21.59 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 50  | LOW  | 19.89 | 27.5  | 7.61 | 13 | 1.72 | 21.61 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 50  | MID  | 19.9  | 27.55 | 7.65 | 13 | 1.72 | 21.62 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 50  | HIGH | 19.8  | 27.17 | 7.37 | 13 | 1.72 | 21.52 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 1   | LOW  | 21.93 | 28.18 | 6.25 | 13 | 1.72 | 23.65 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 1   | MID  | 22.09 | 27.51 | 5.42 | 13 | 1.72 | 23.81 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 1   | HIGH | 22.19 | 28.07 | 5.88 | 13 | 1.72 | 23.91 | 33 | Pass |