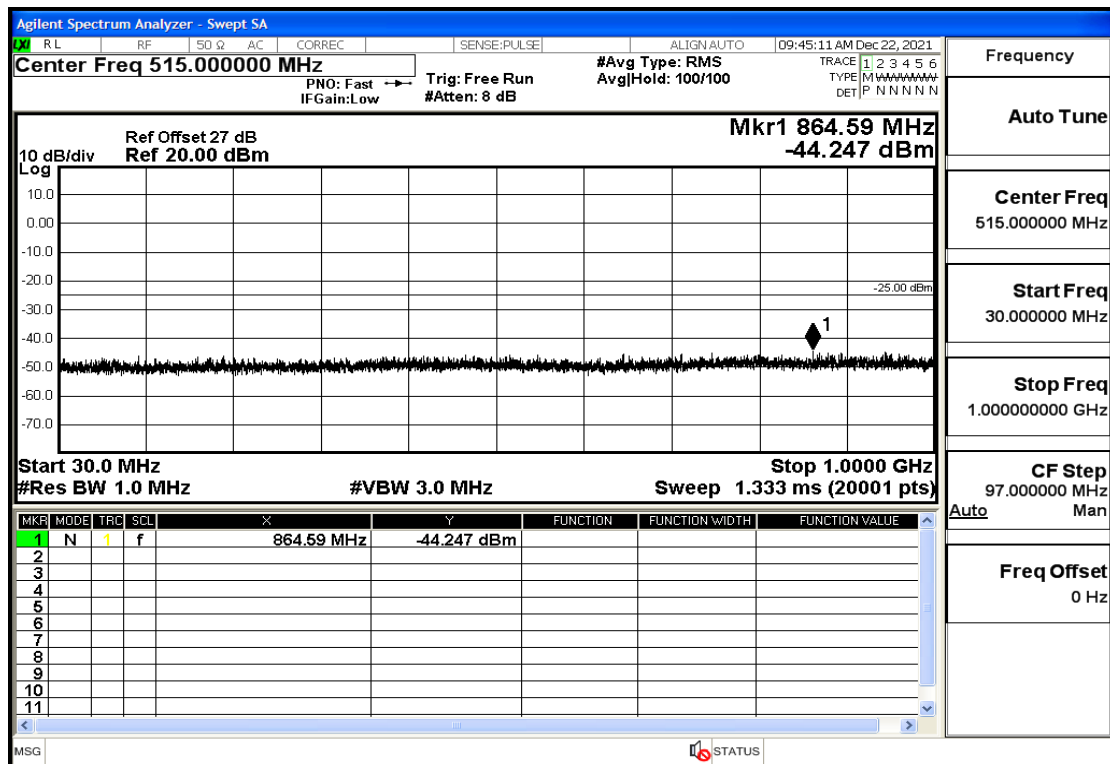
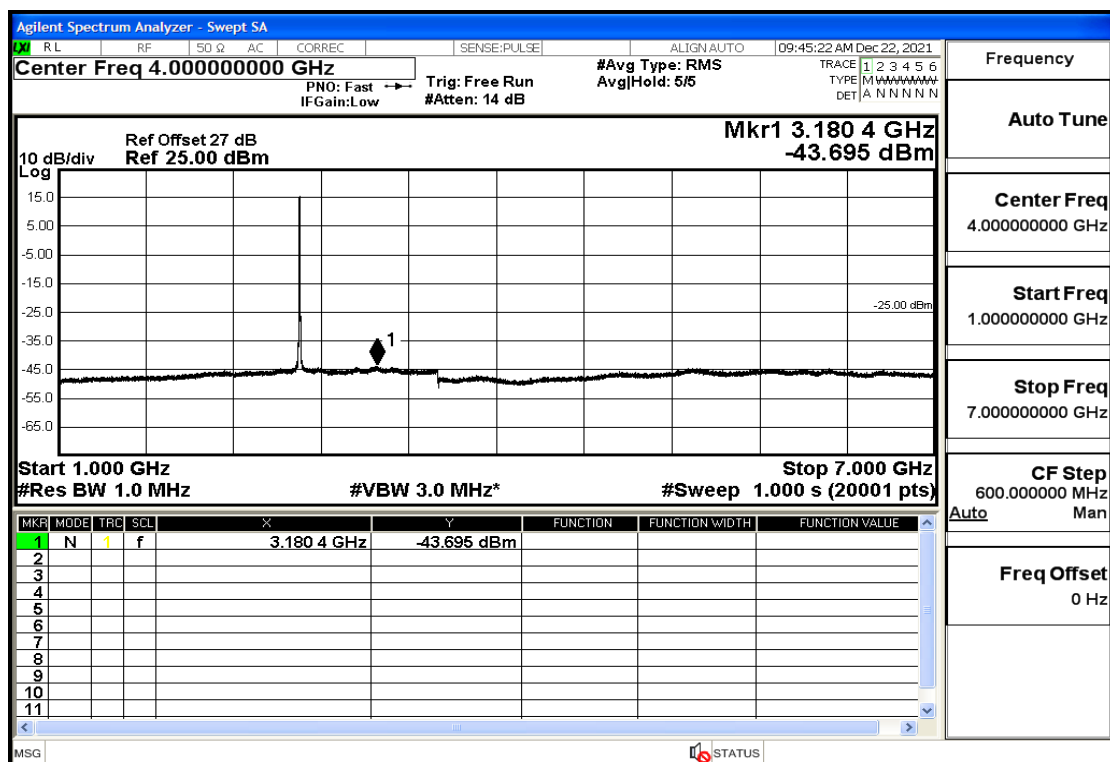


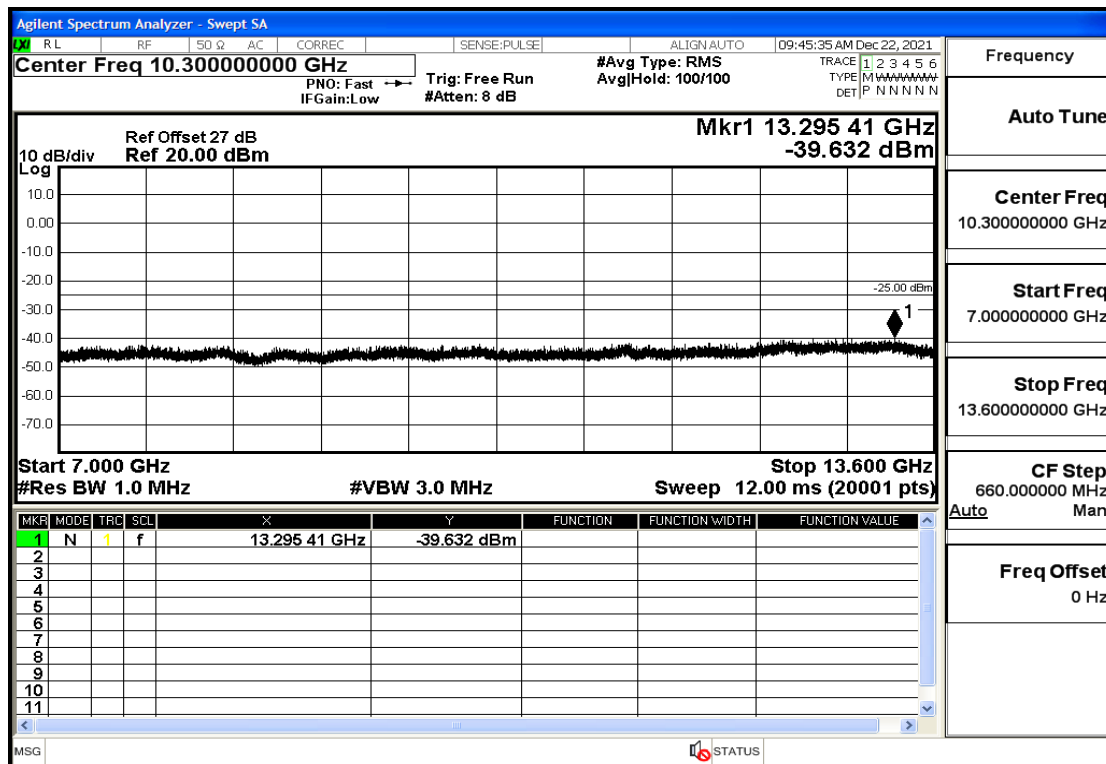
OB41-5-2652.5-Q16-25#LOW@30mHz-1GHz@Pass



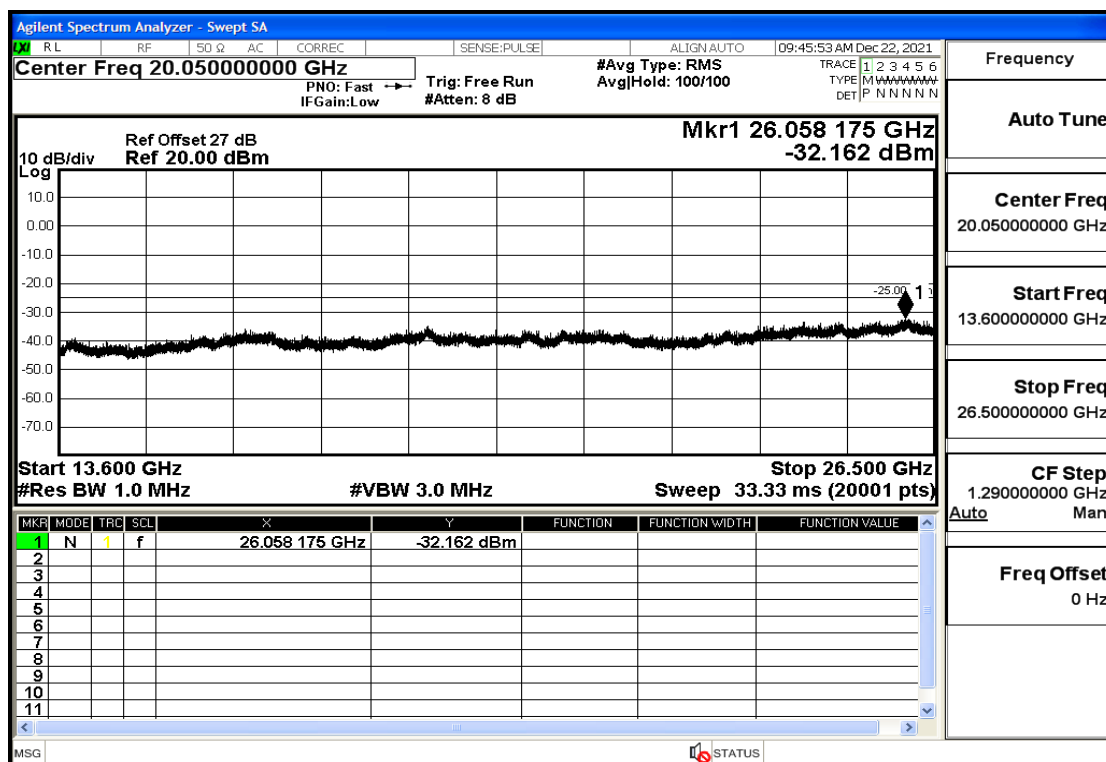
OB41-5-2652.5-Q16-25#LOW@1GHz-7GHz@Pass



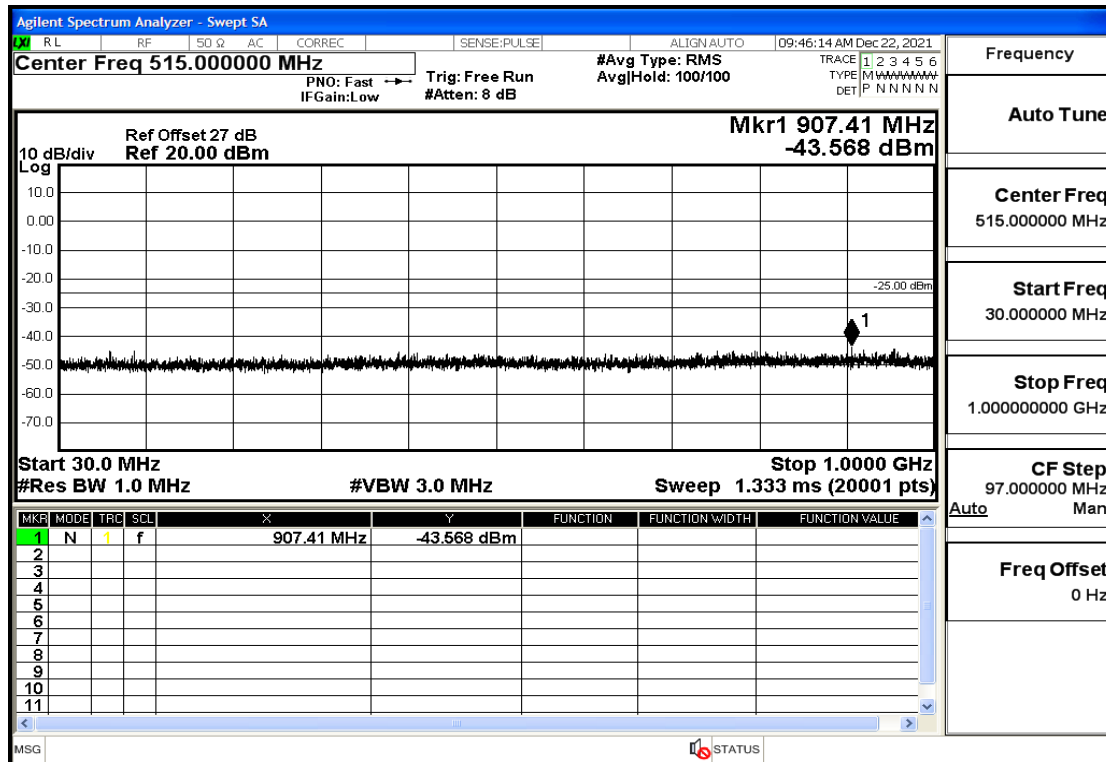
OB41-5-2652.5-Q16-25#LOW@7GHz-13.6GHz@Pass



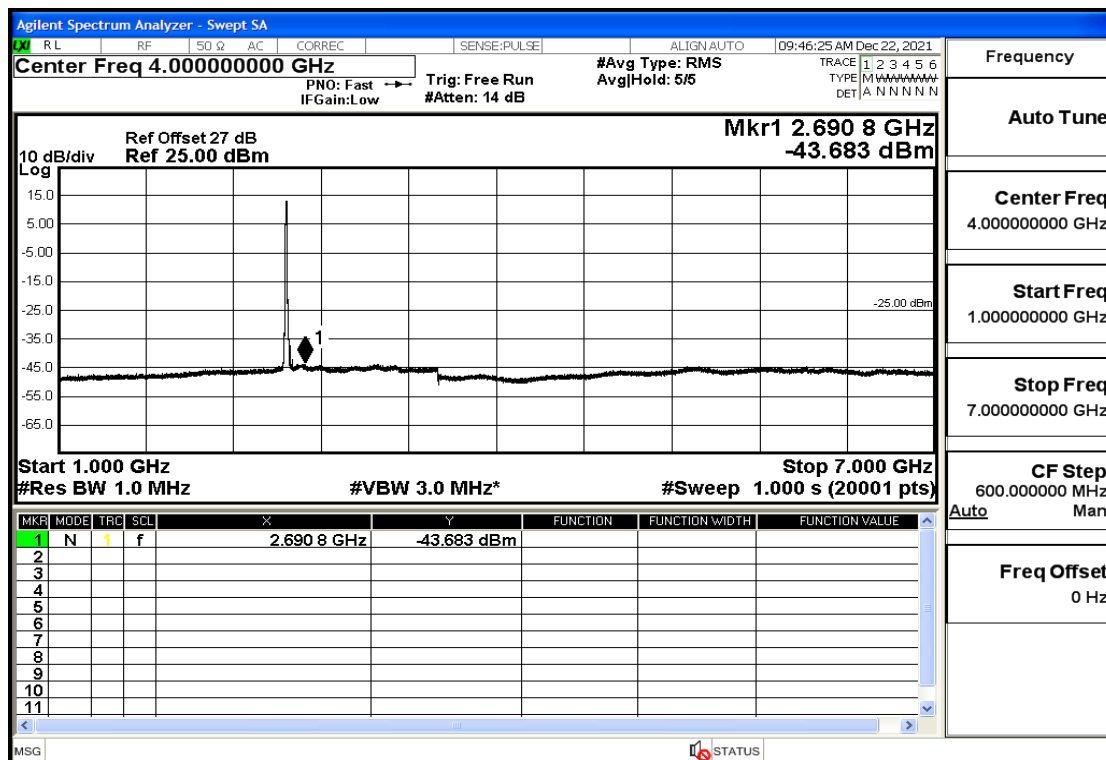
OB41-5-2652.5-Q16-25#LOW@13.6GHz-26.5GHz@Pass



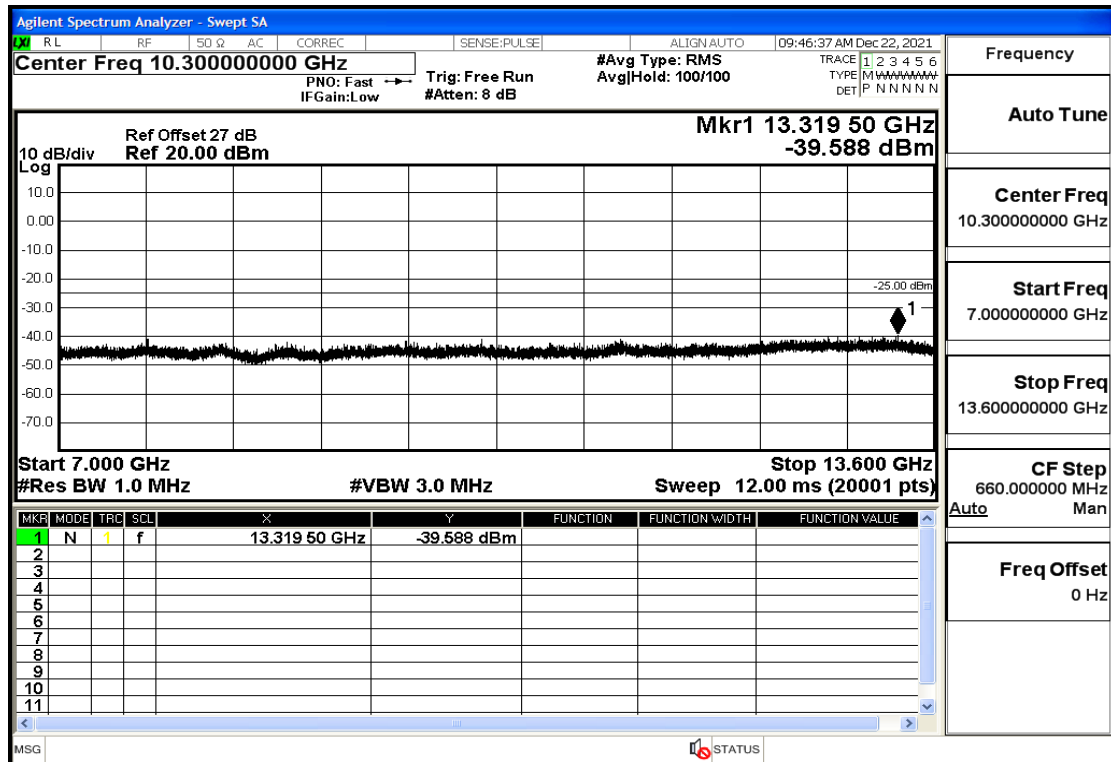
OB41-10-2560-Q16-50#LOW@30mHz-1GHz@Pass



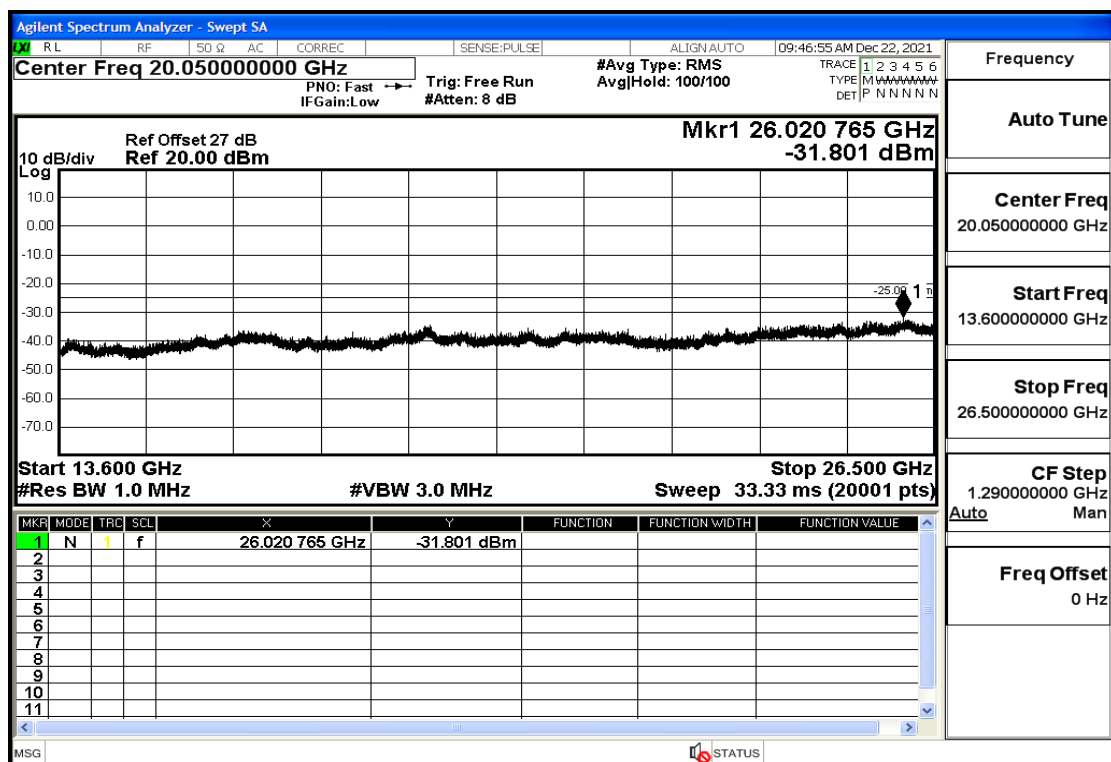
OB41-10-2560-Q16-50#LOW@1GHz-7GHz@Pass



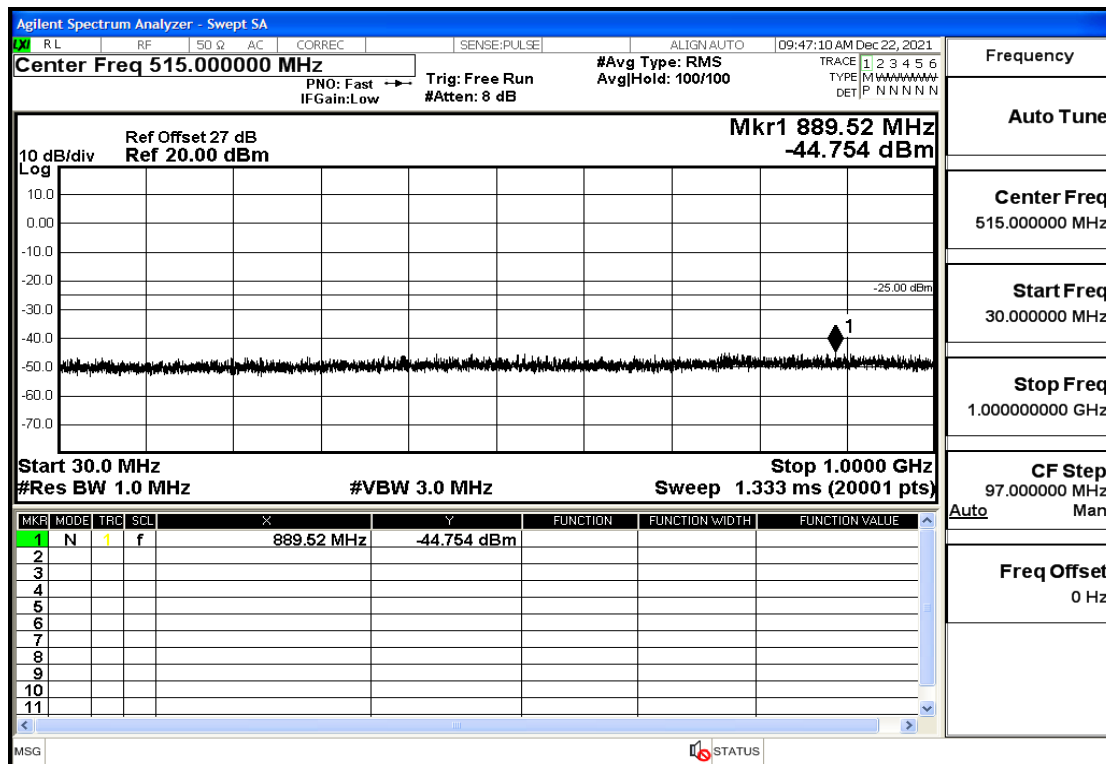
## OB41-10-2560-Q16-50#LOW@7GHz-13.6GHz@Pass



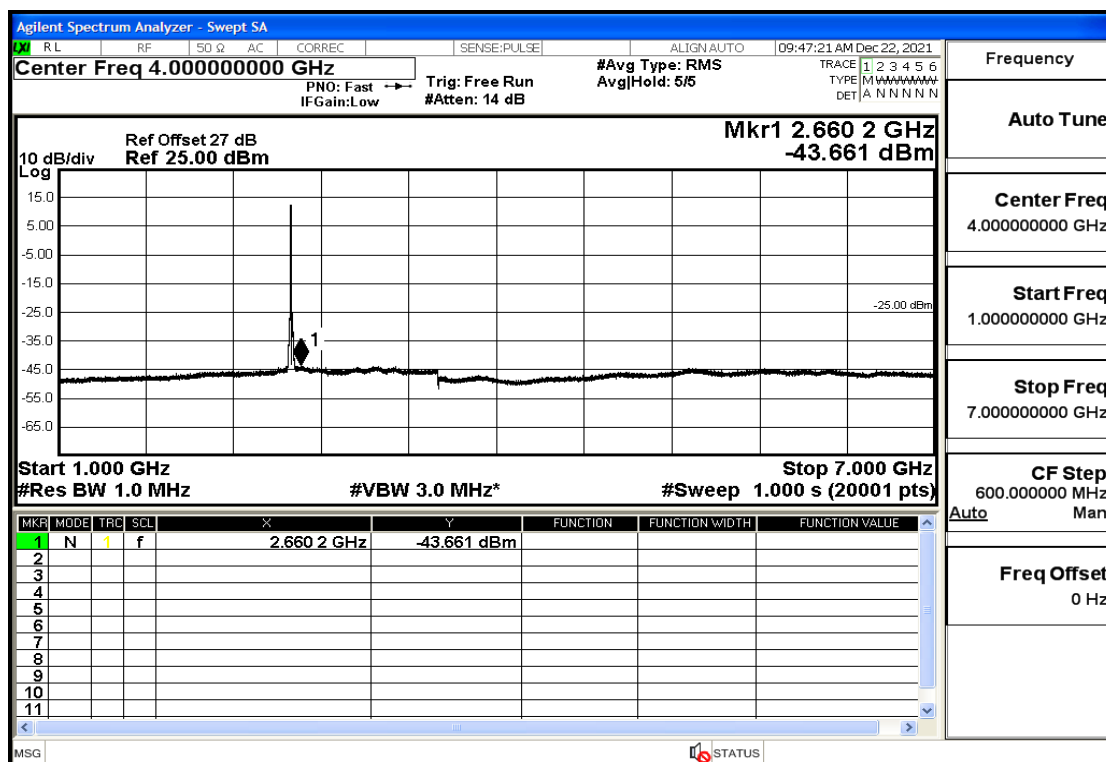
## OB41-10-2560-Q16-50#LOW@13.6GHz-26.5GHz@Pass



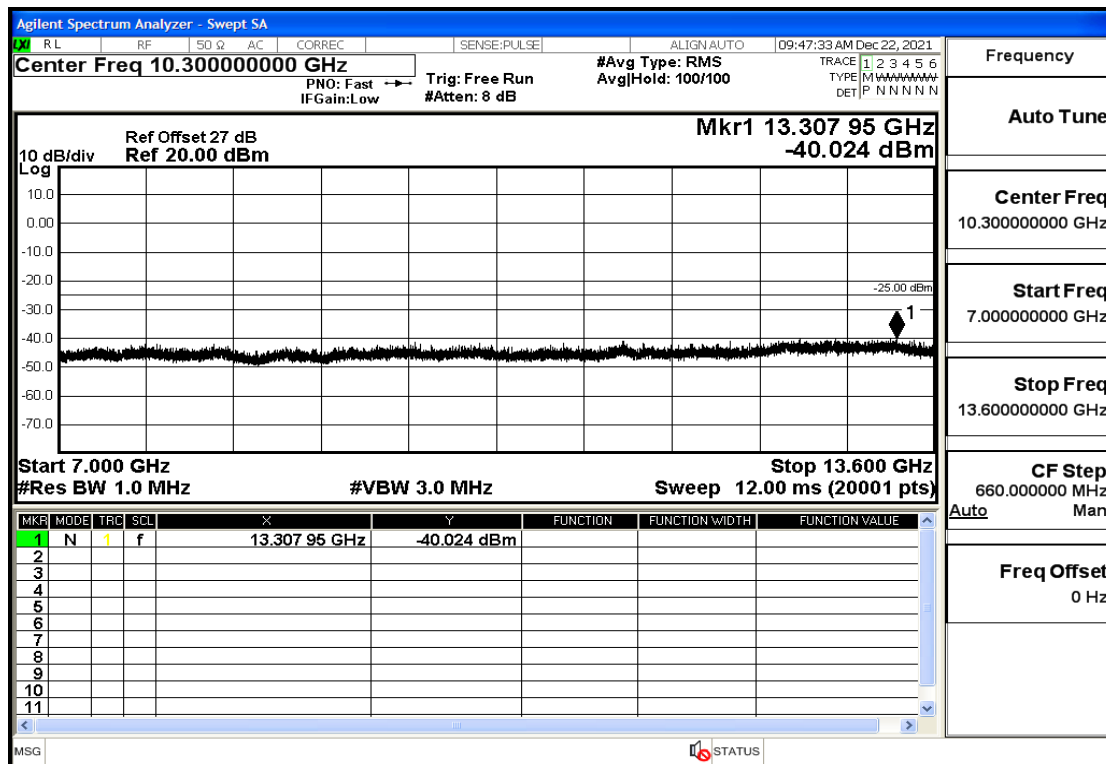
OB41-10-2593-Q16-50#LOW@30mHz-1GHz@Pass



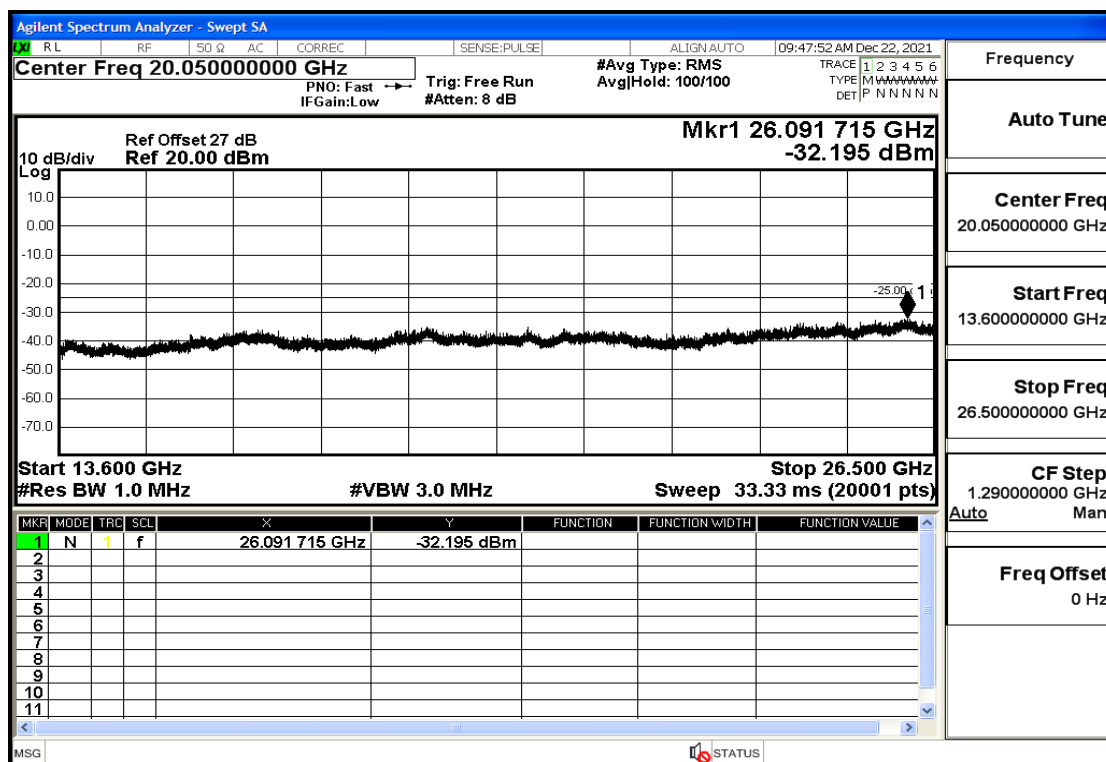
OB41-10-2593-Q16-50#LOW@1GHz-7GHz@Pass



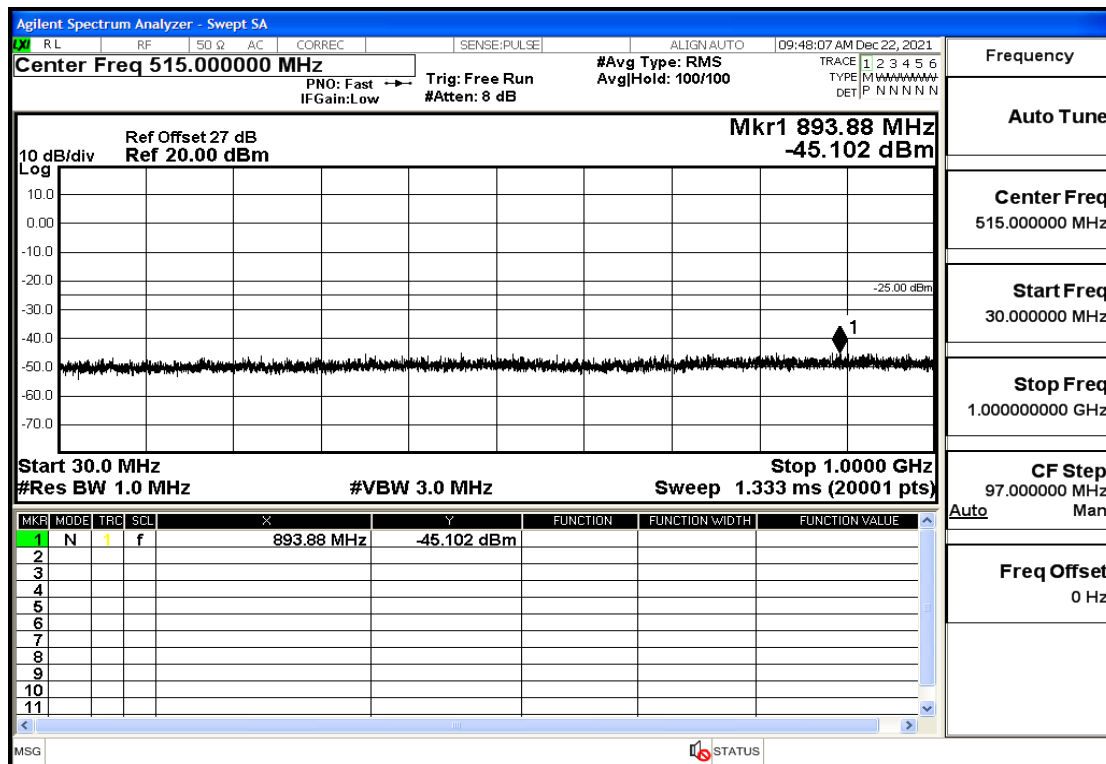
OB41-10-2593-Q16-50#LOW@7GHz-13.6GHz@Pass



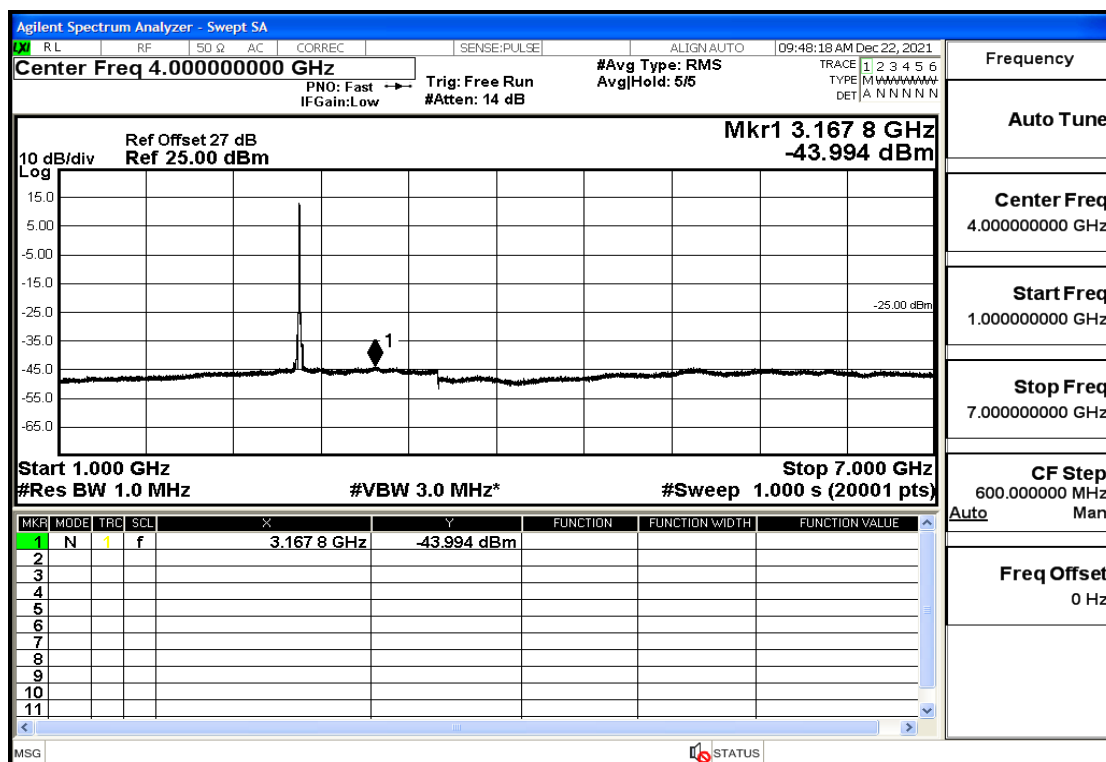
OB41-10-2593-Q16-50#LOW@13.6GHz-26.5GHz@Pass



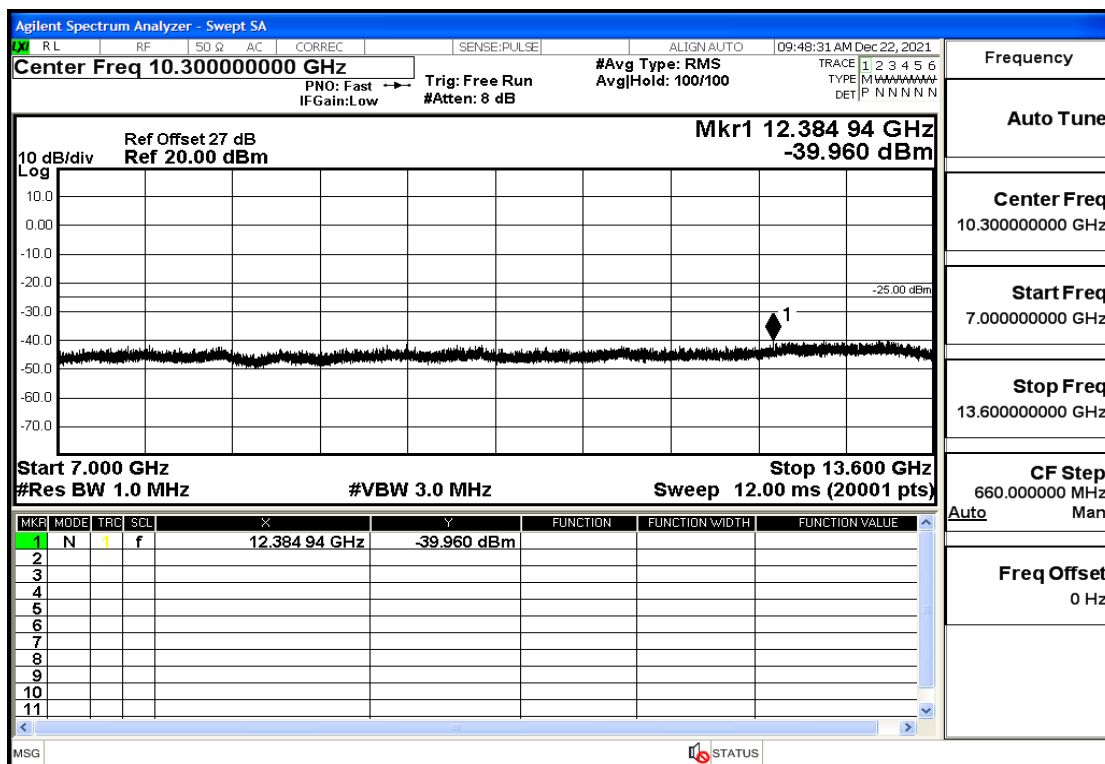
OB41-10-2650-Q16-50#LOW@30mHz-1GHz@Pass



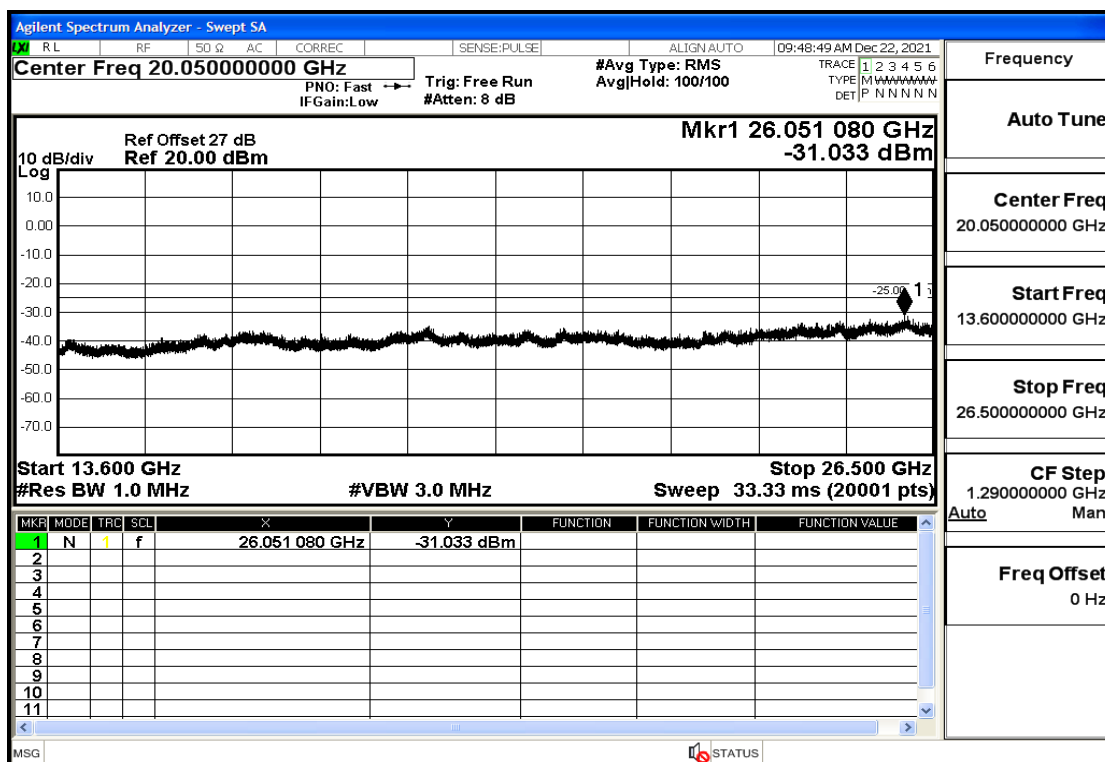
OB41-10-2650-Q16-50#LOW@1GHz-7GHz@Pass



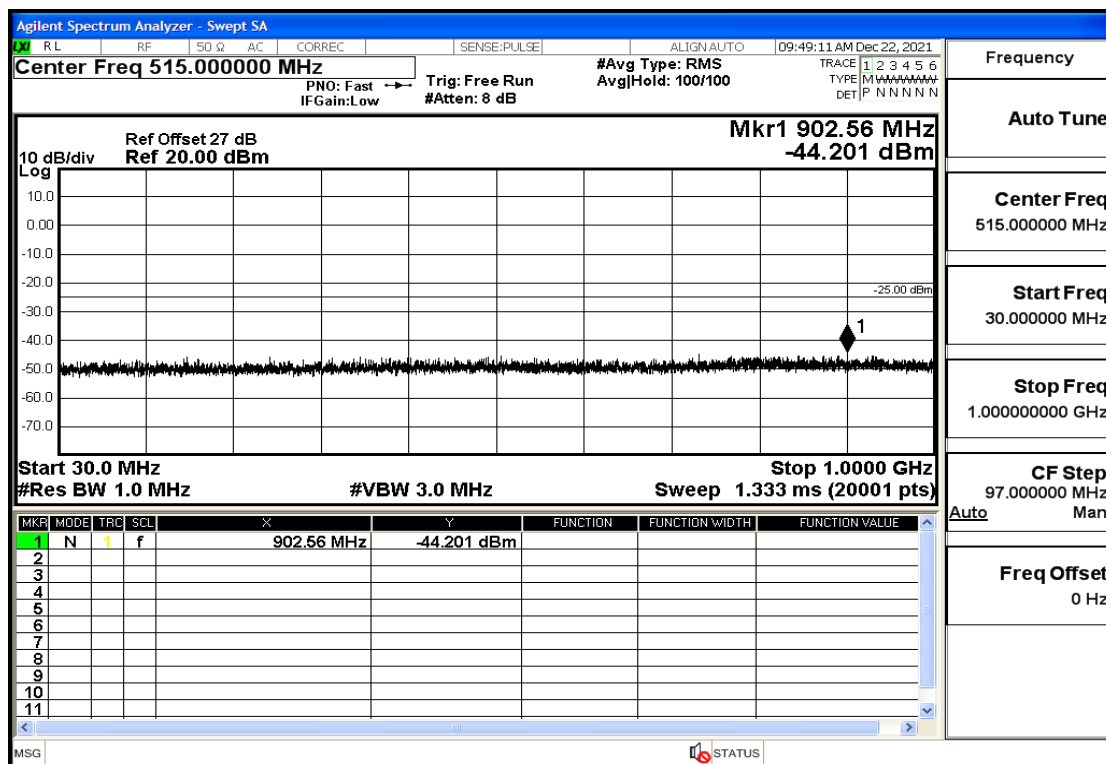
## OB41-10-2650-Q16-50#LOW@7GHz-13.6GHz@Pass



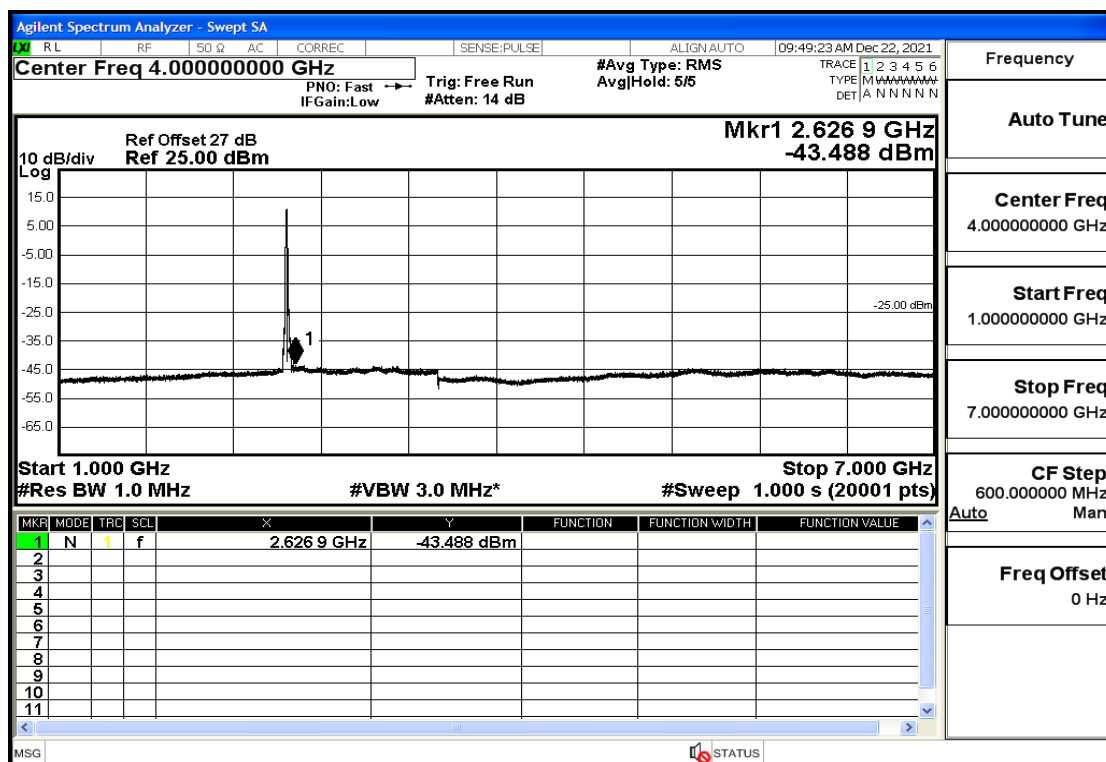
## OB41-10-2650-Q16-50#LOW@13.6GHz-26.5GHz@Pass



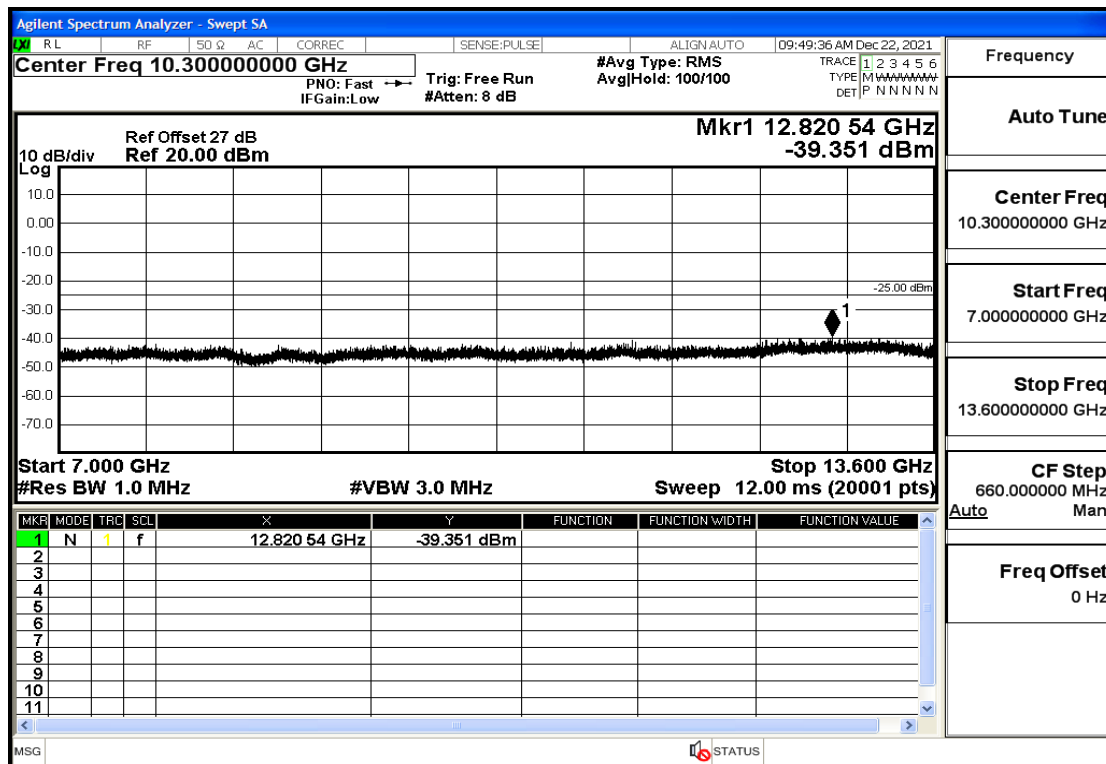
OB41-15-2562.5-Q16-75#LOW@30mHz-1GHz@Pass



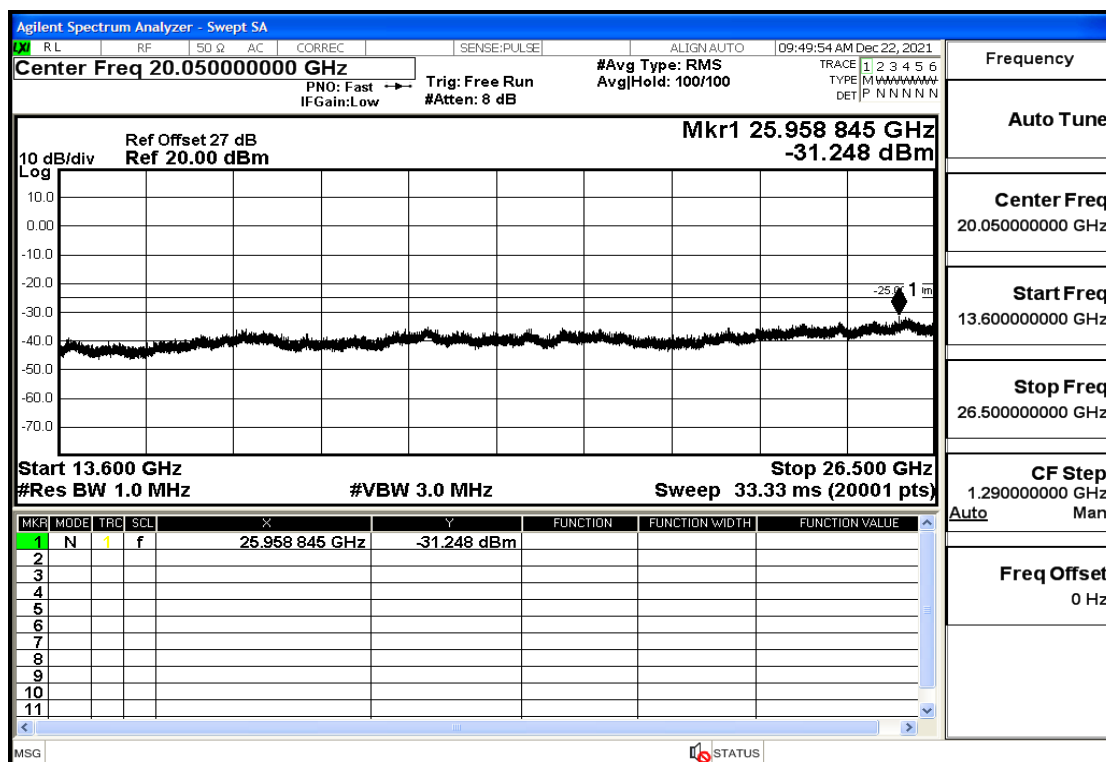
OB41-15-2562.5-Q16-75#LOW@1GHz-7GHz@Pass



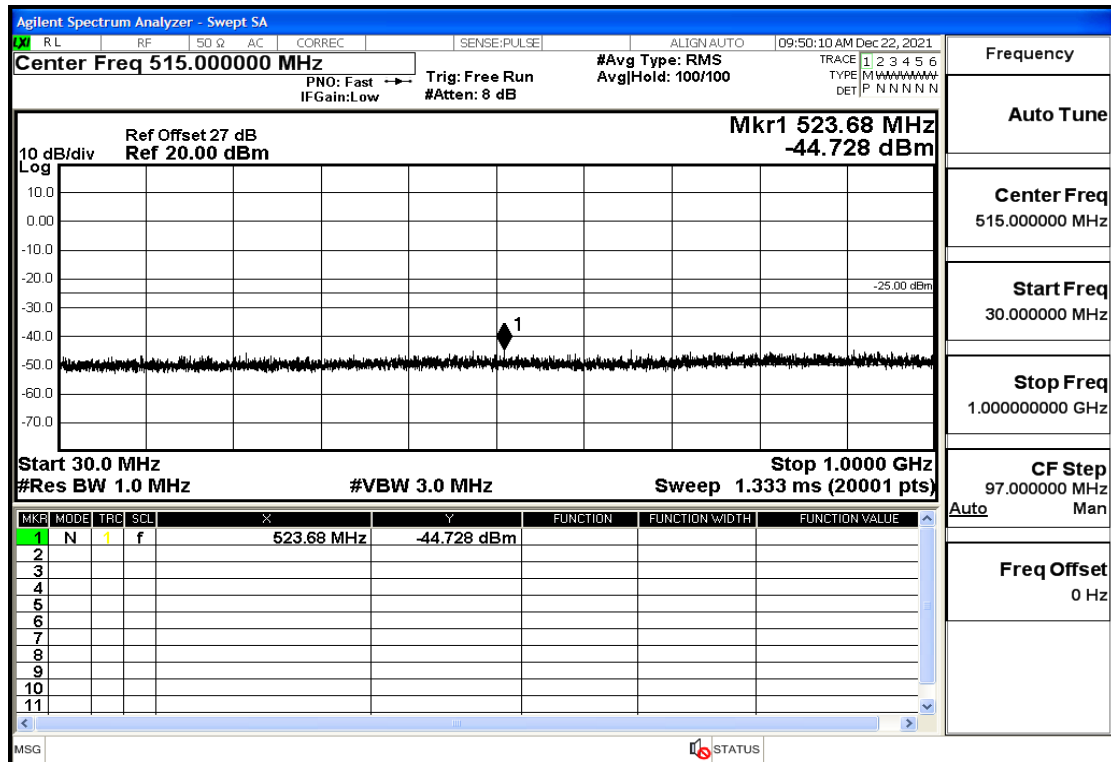
OB41-15-2562.5-Q16-75#LOW@7GHz-13.6GHz@Pass



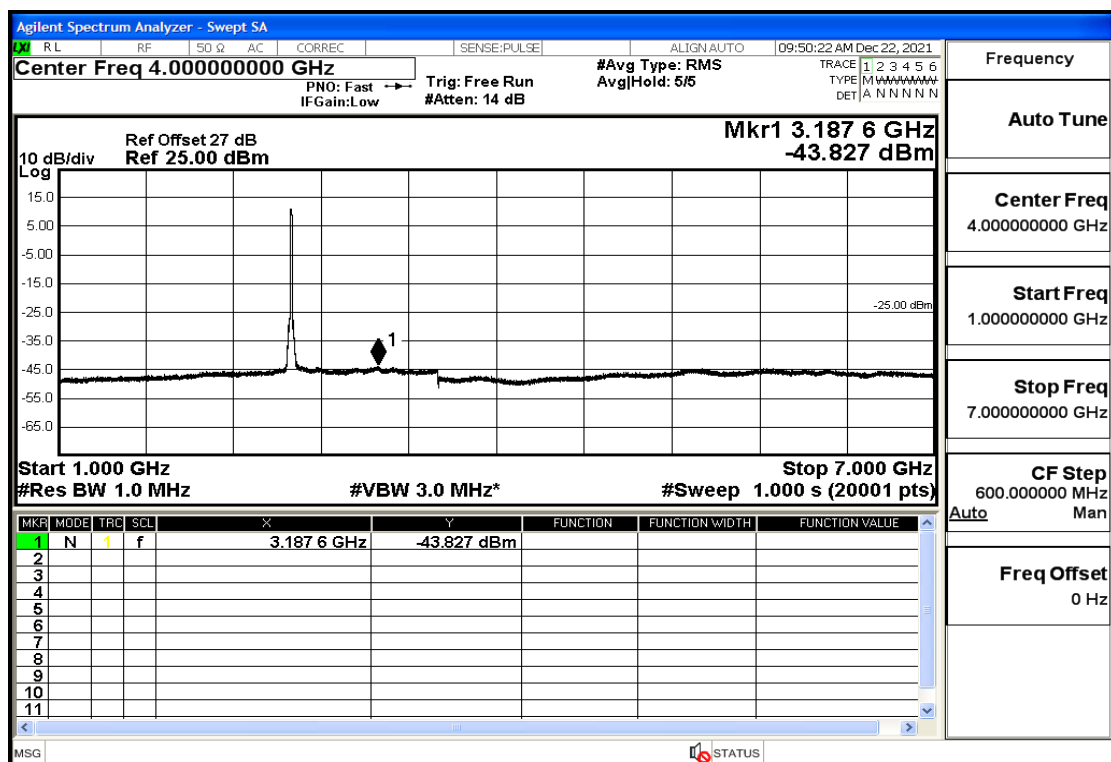
OB41-15-2562.5-Q16-75#LOW@13.6GHz-26.5GHz@Pass



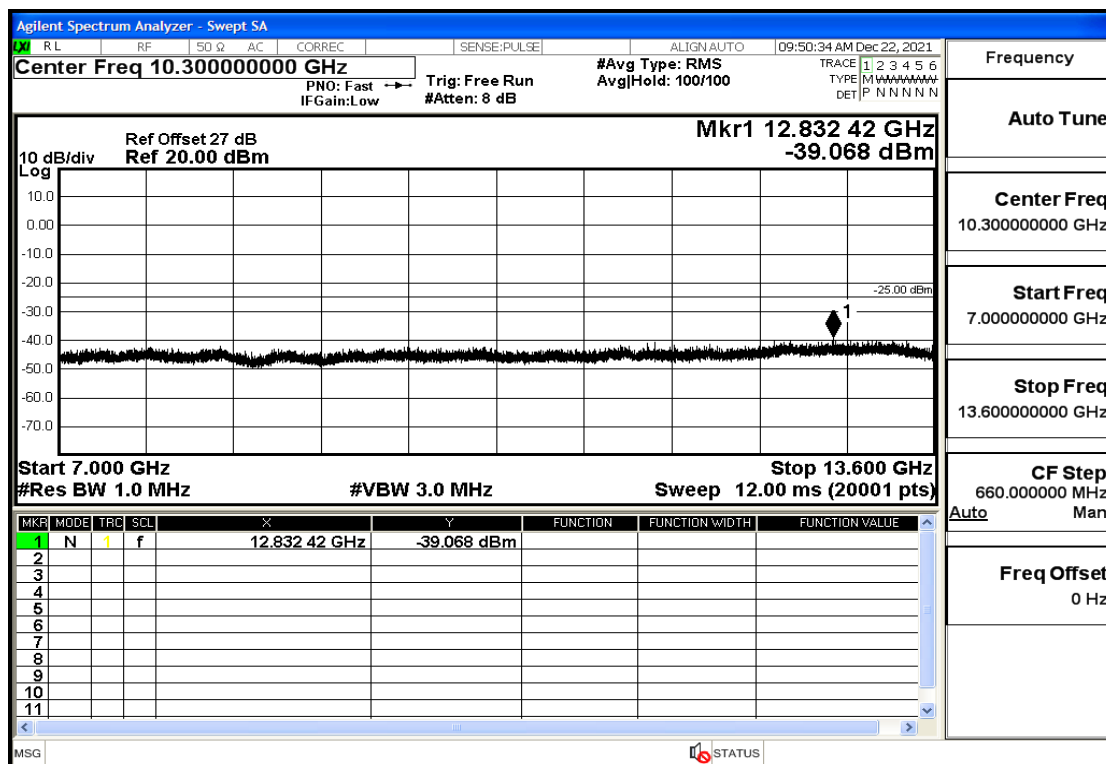
OB41-15-2593-Q16-75#LOW@30mHz-1GHz@Pass



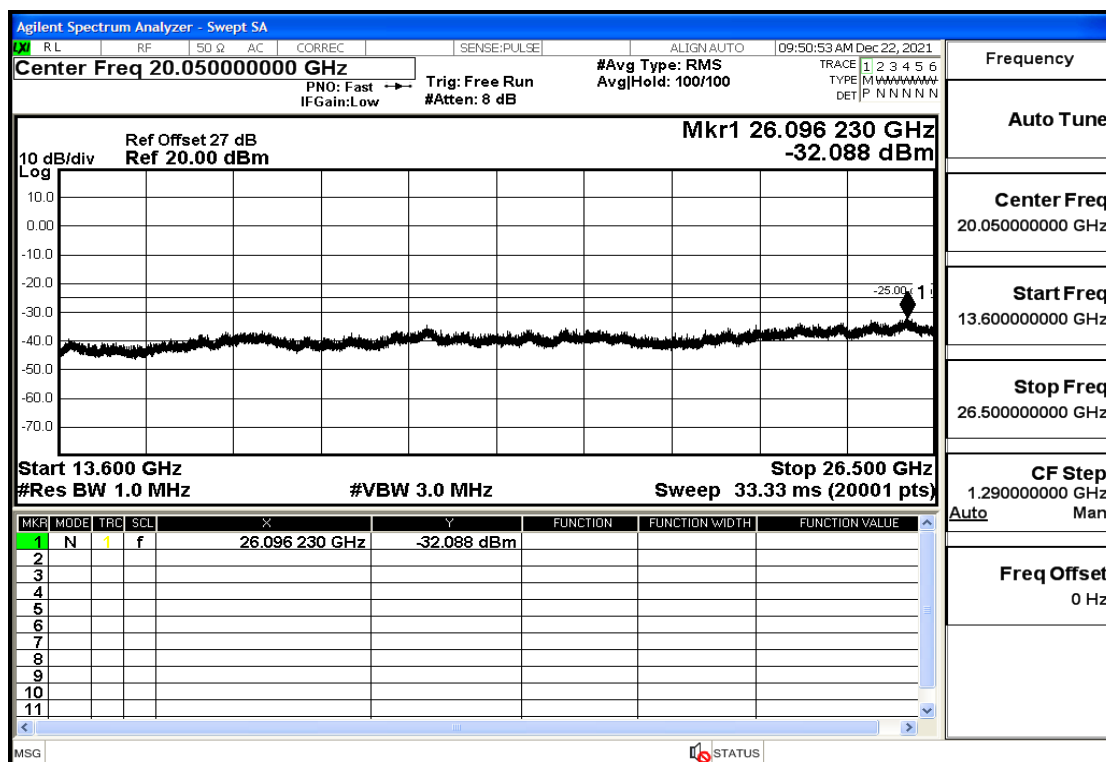
OB41-15-2593-Q16-75#LOW@1GHz-7GHz@Pass



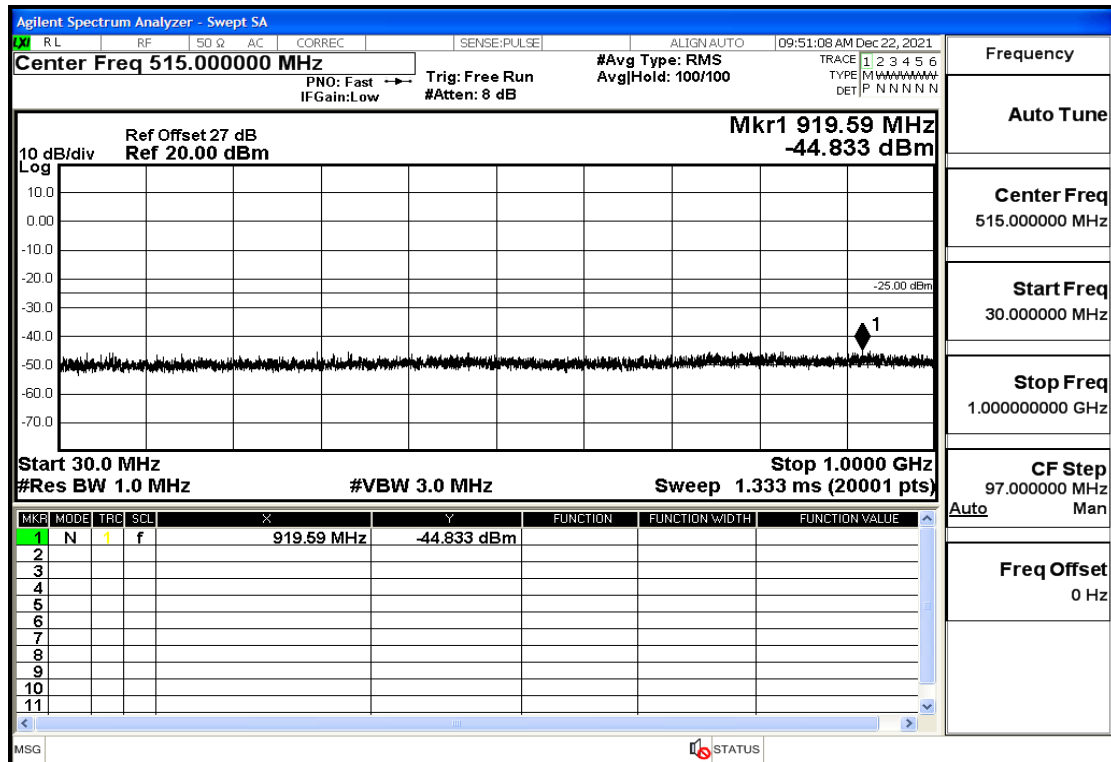
OB41-15-2593-Q16-75#LOW@7GHz-13.6GHz@Pass



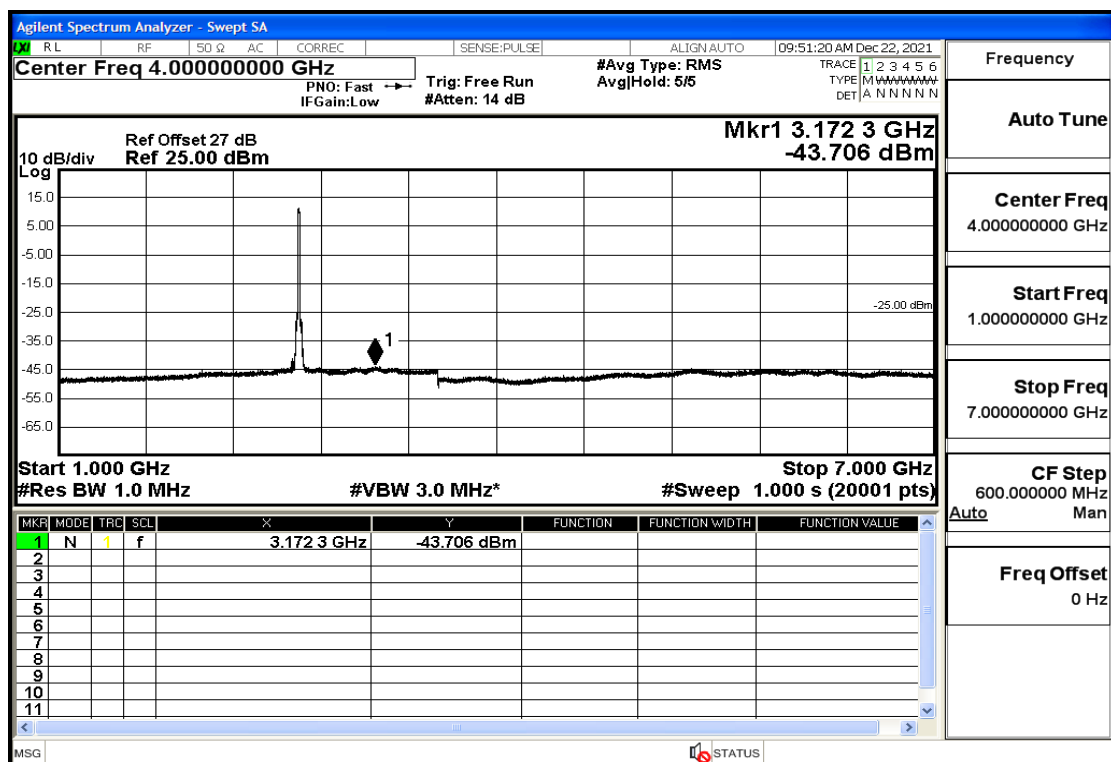
OB41-15-2593-Q16-75#LOW@13.6GHz-26.5GHz@Pass



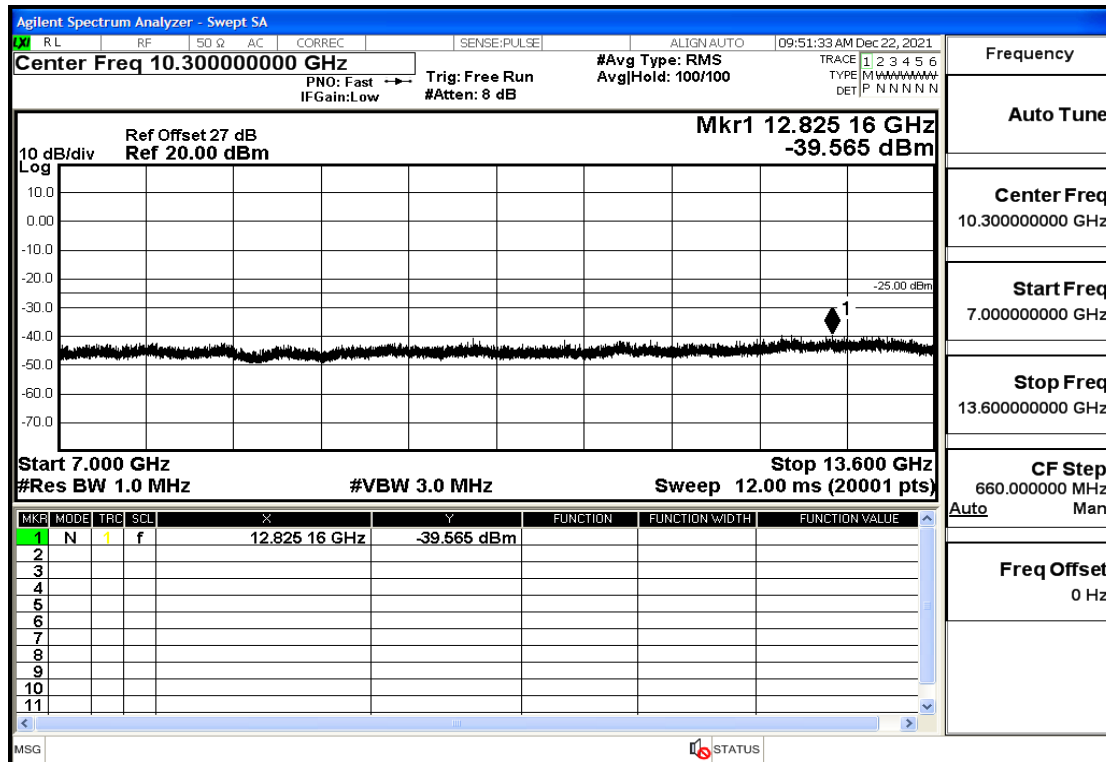
OB41-15-2647.5-Q16-75#LOW@30MHz-1GHz@Pass



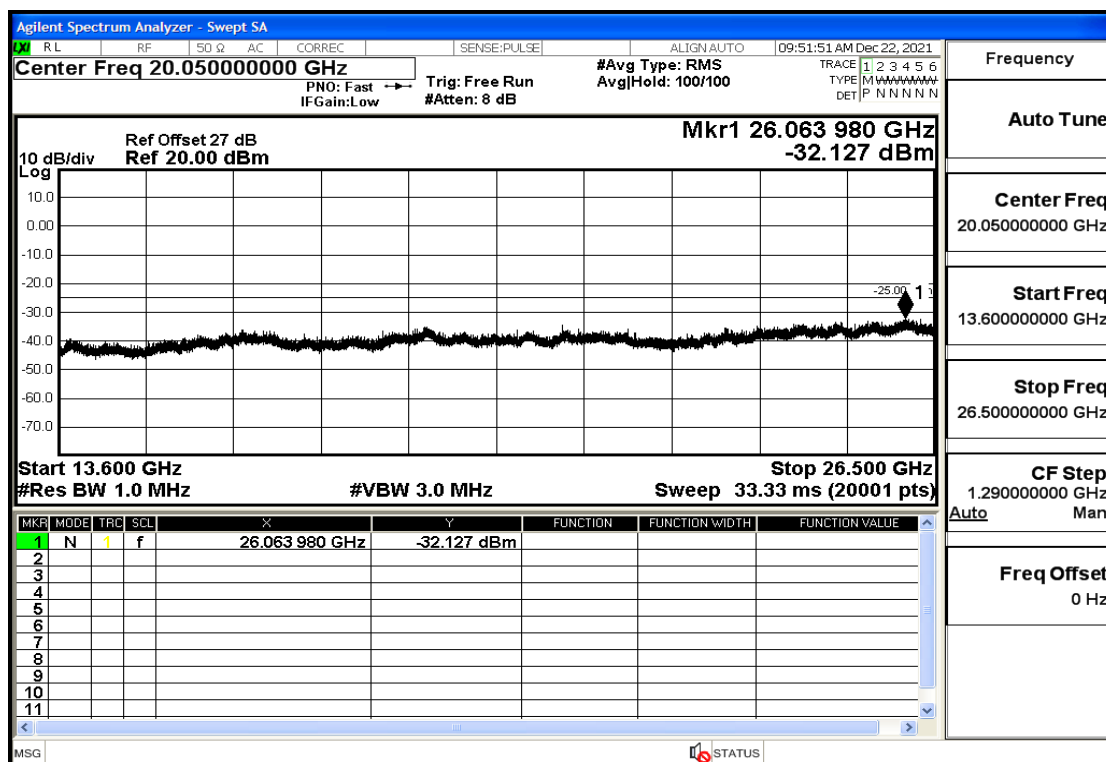
OB41-15-2647.5-Q16-75#LOW@1GHz-7GHz@Pass



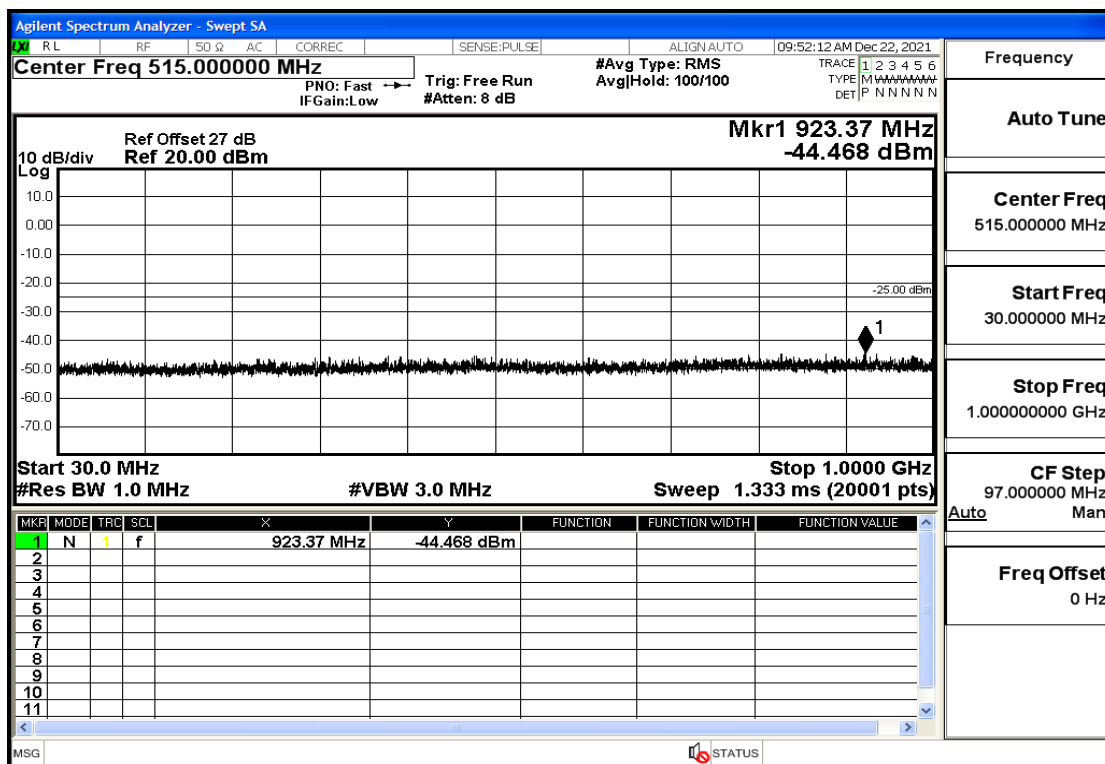
OB41-15-2647.5-Q16-75#LOW@7GHz-13.6GHz@Pass



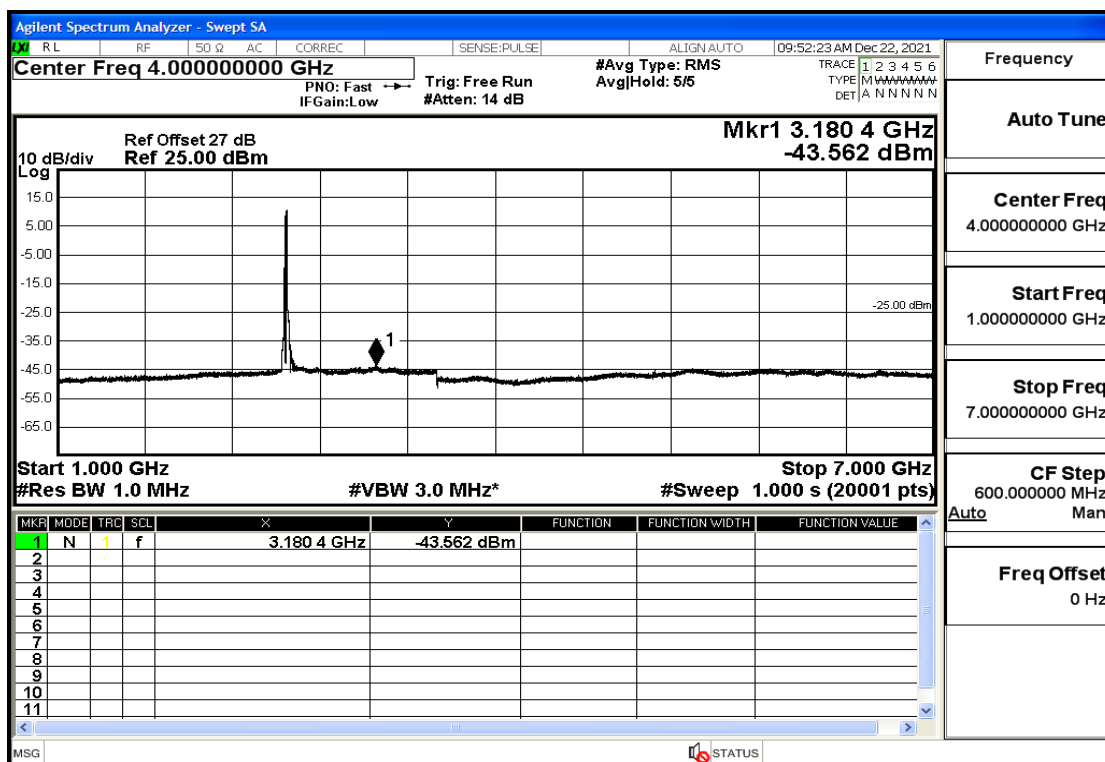
OB41-15-2647.5-Q16-75#LOW@13.6GHz-26.5GHz@Pass



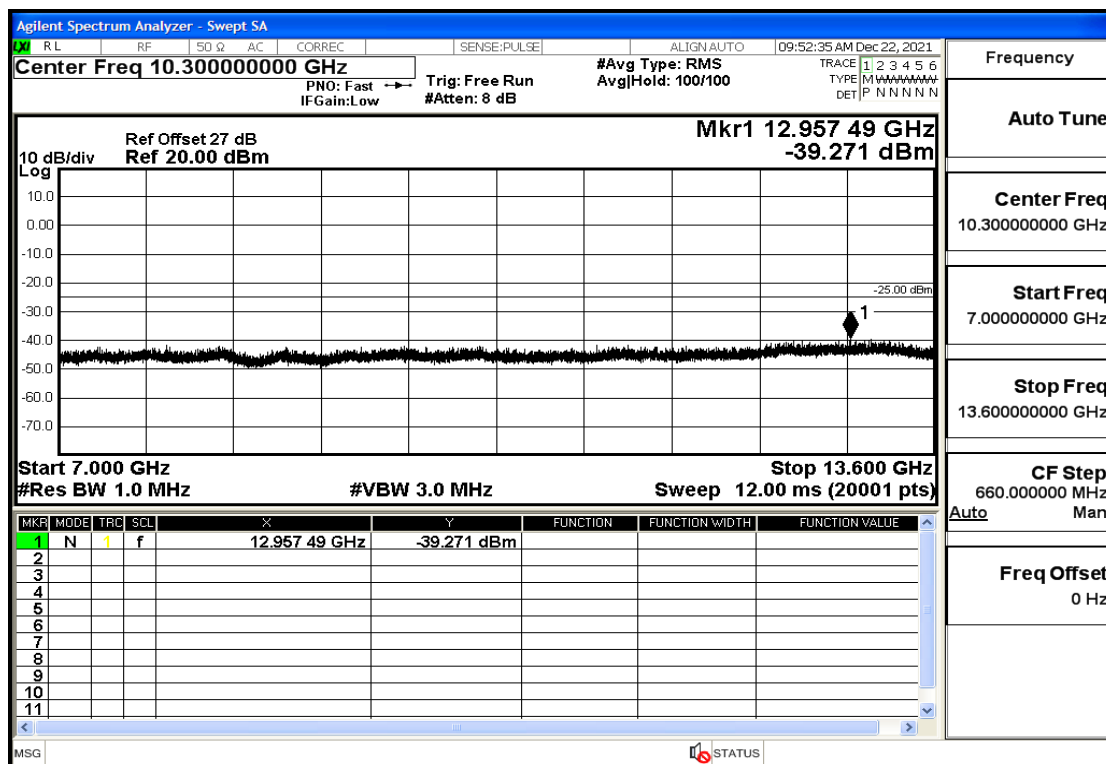
OB41-20-2565-Q16-100#LOW@30mHz-1GHz@Pass



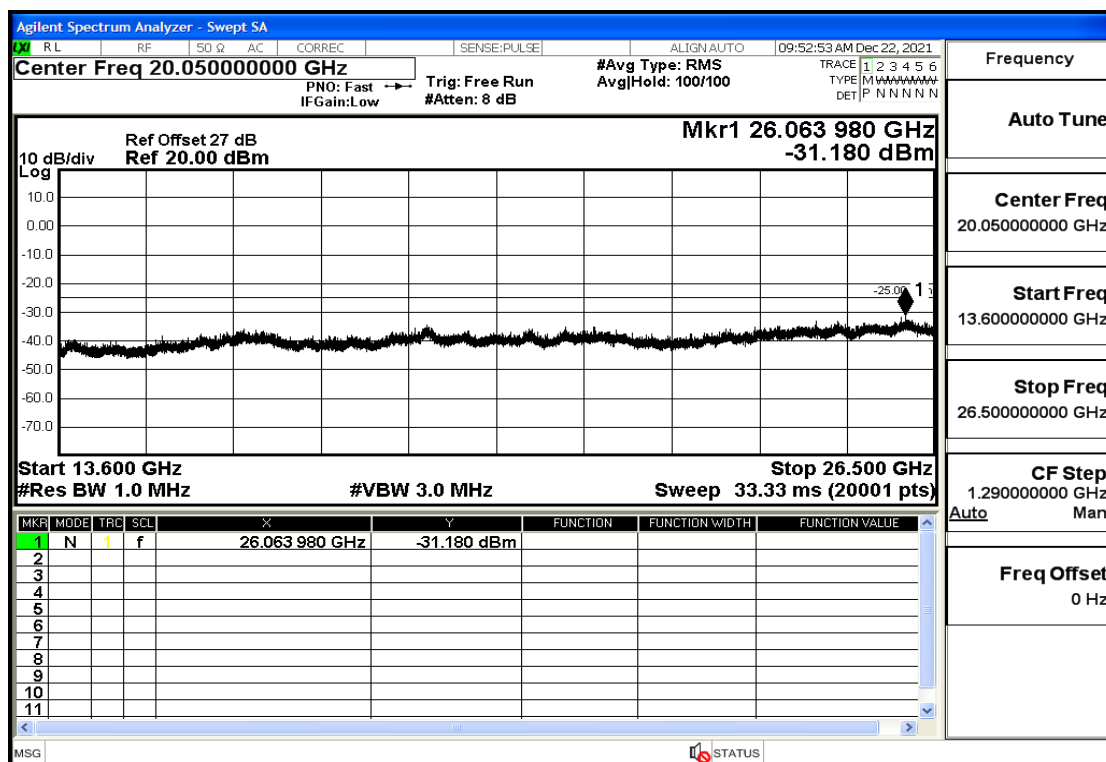
OB41-20-2565-Q16-100#LOW@1GHz-7GHz@Pass



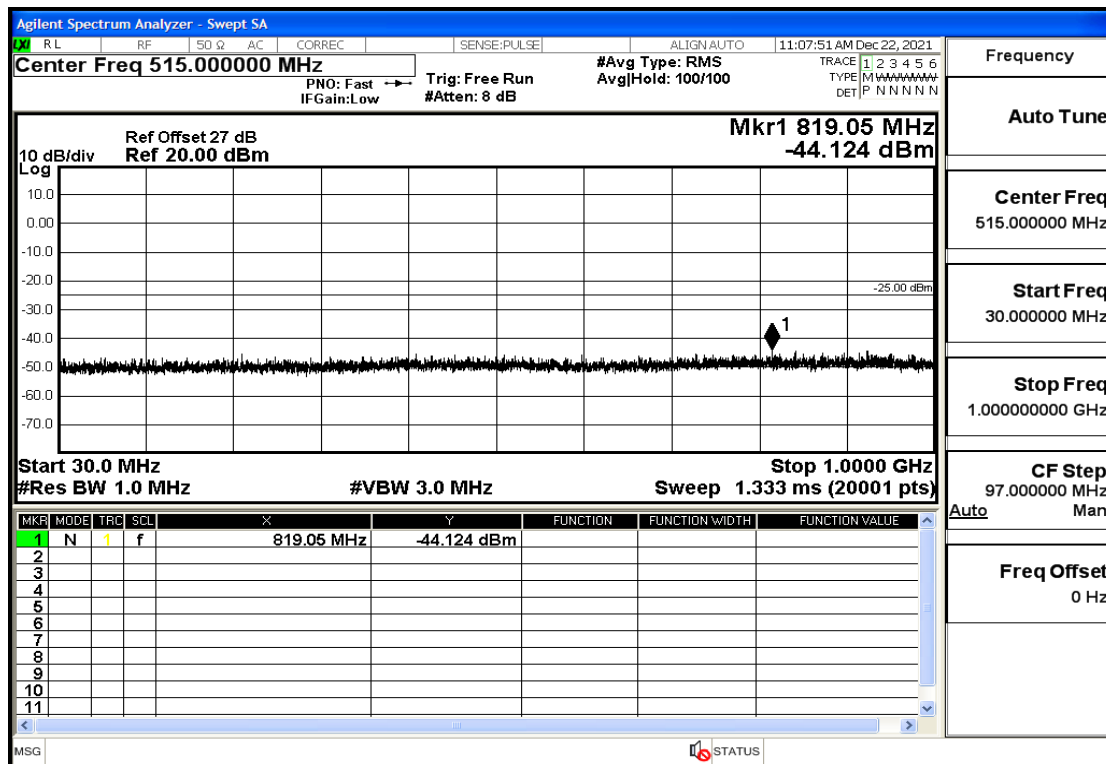
OB41-20-2565-Q16-100#LOW@7GHz-13.6GHz@Pass



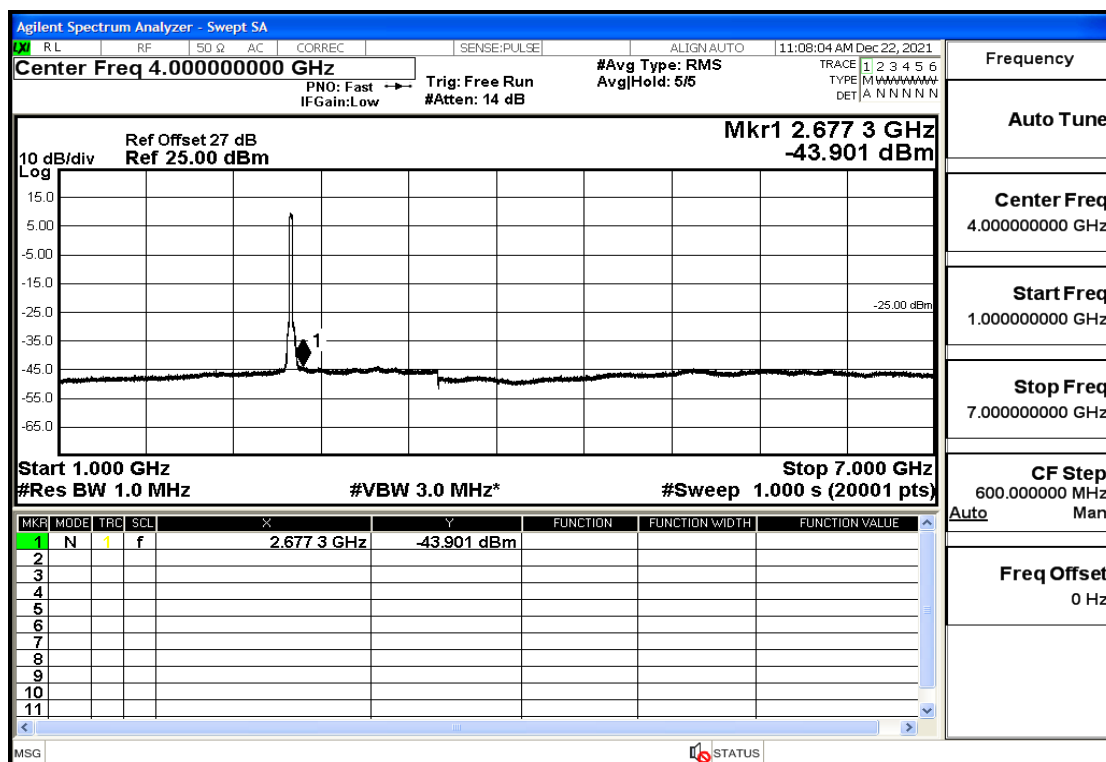
OB41-20-2565-Q16-100#LOW@13.6GHz-26.5GHz@Pass



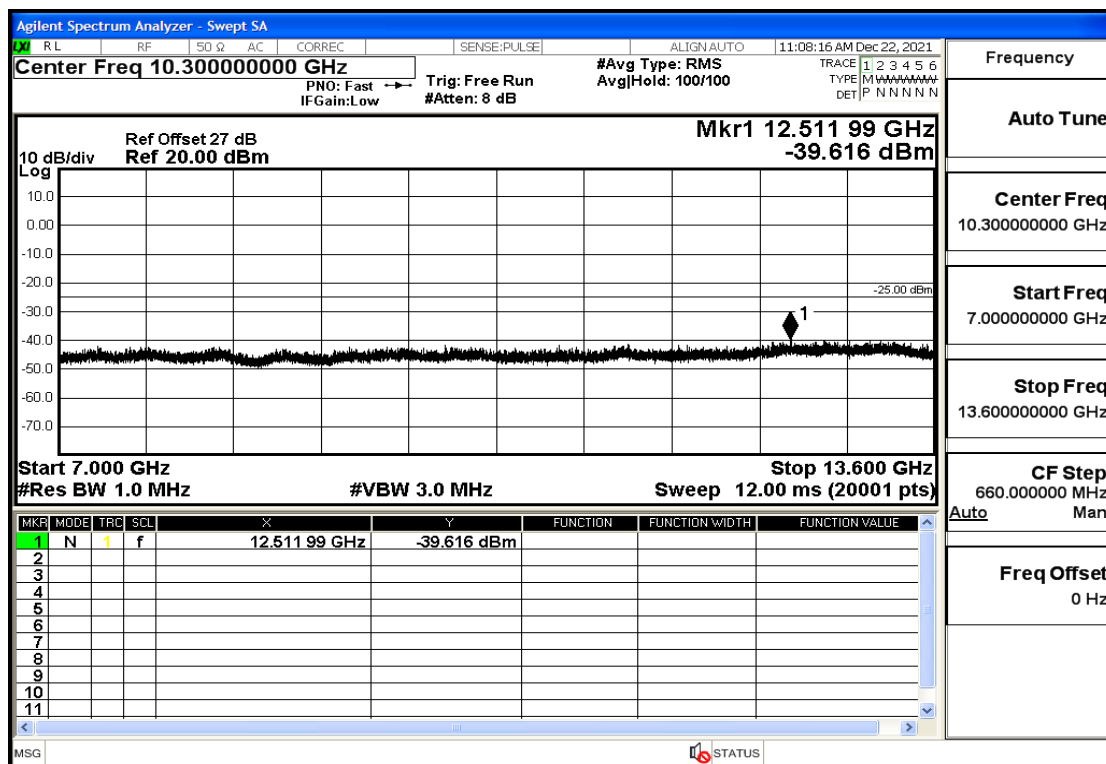
OB41-20-2593-Q16-100#LOW@30mHz-1GHz@Pass



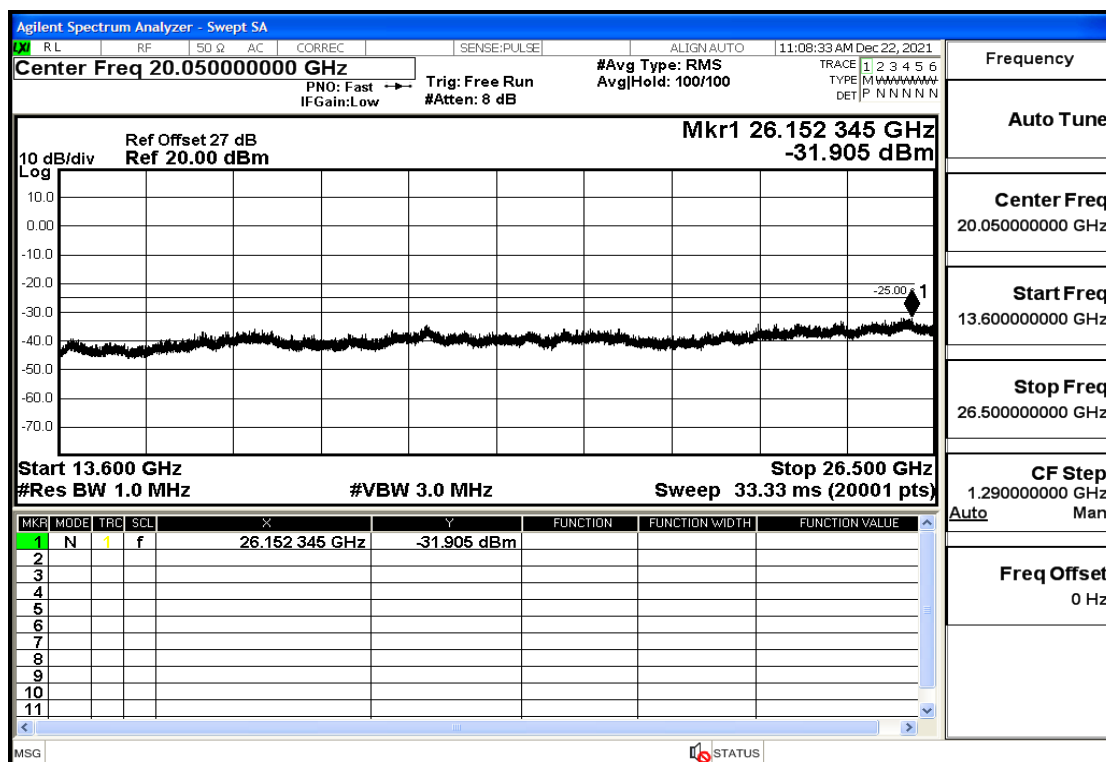
OB41-20-2593-Q16-100#LOW@1GHz-7GHz@Pass



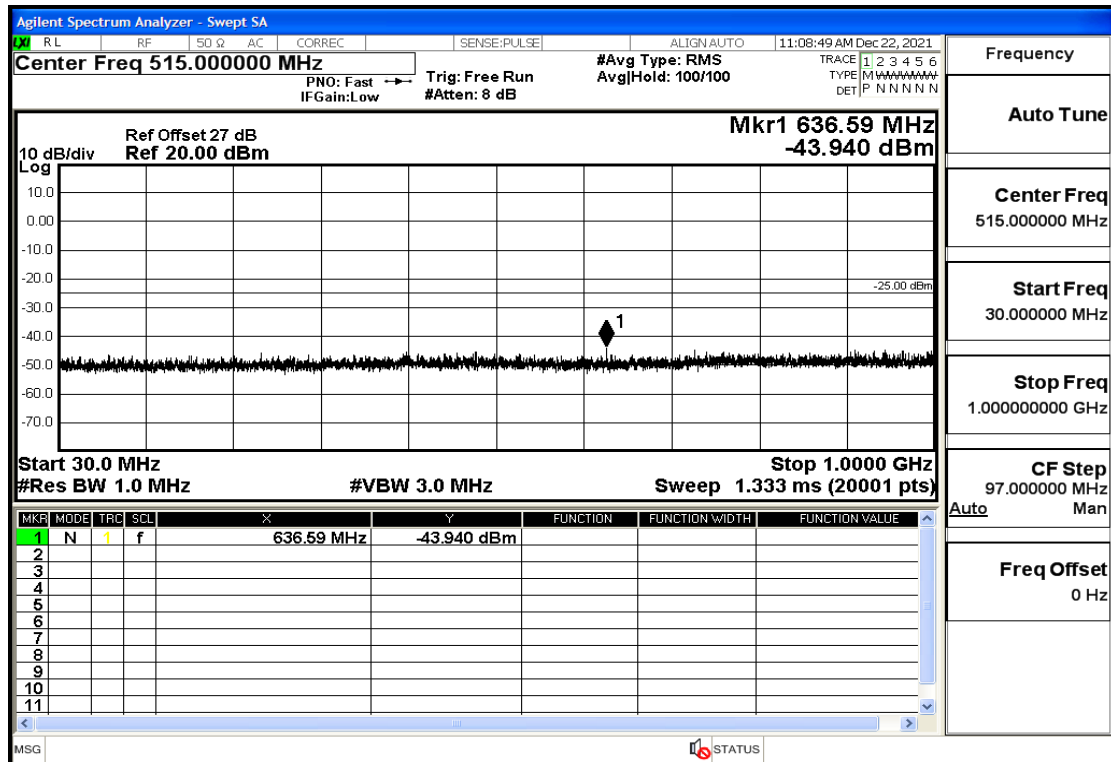
OB41-20-2593-Q16-100#LOW@7GHz-13.6GHz@Pass



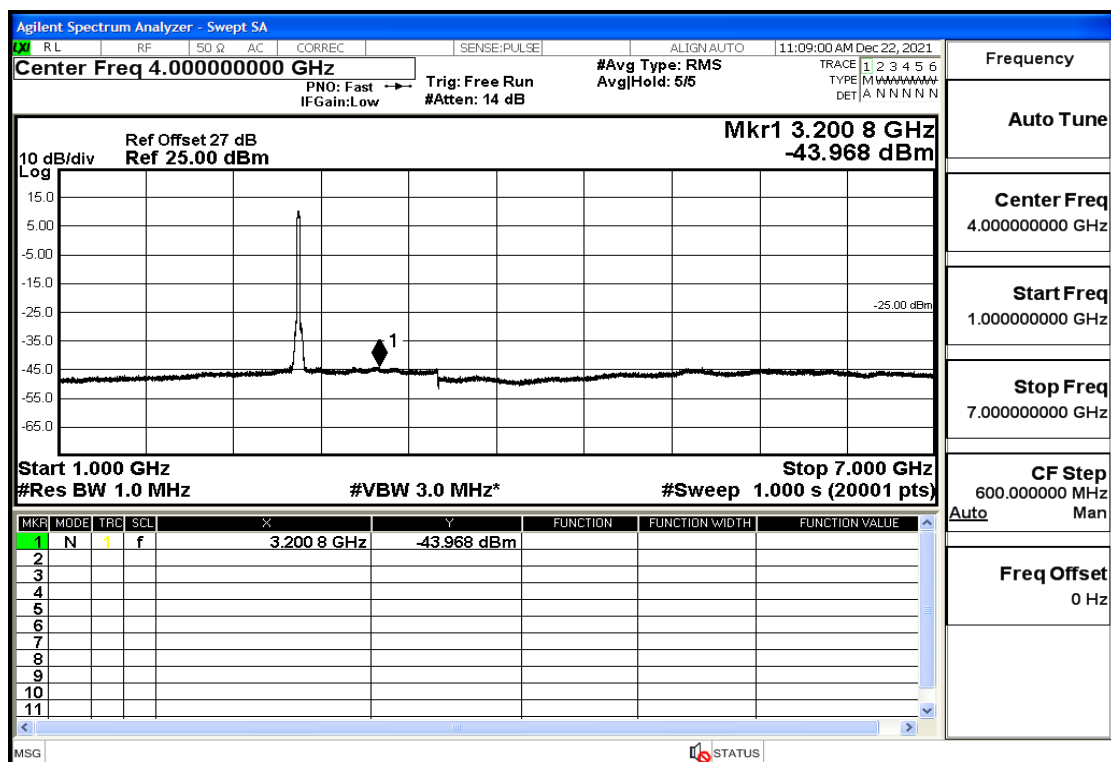
OB41-20-2593-Q16-100#LOW@13.6GHz-26.5GHz@Pass



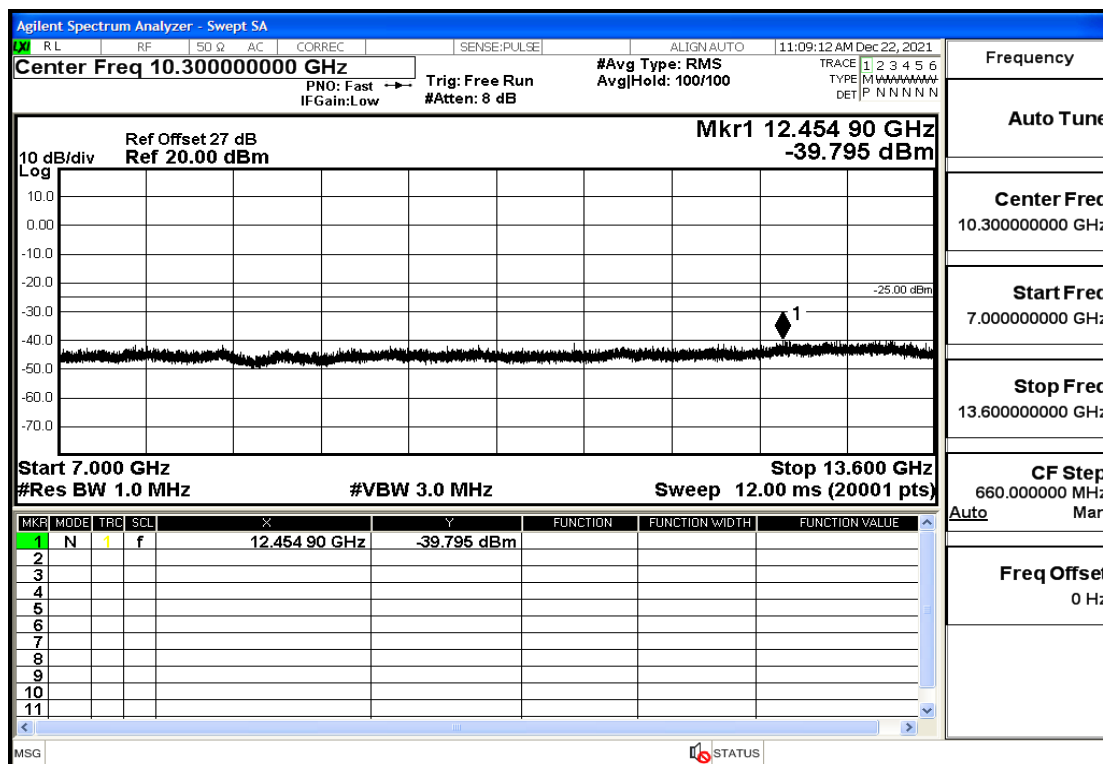
OB41-20-2645-Q16-100#LOW@30mHz-1GHz@Pass



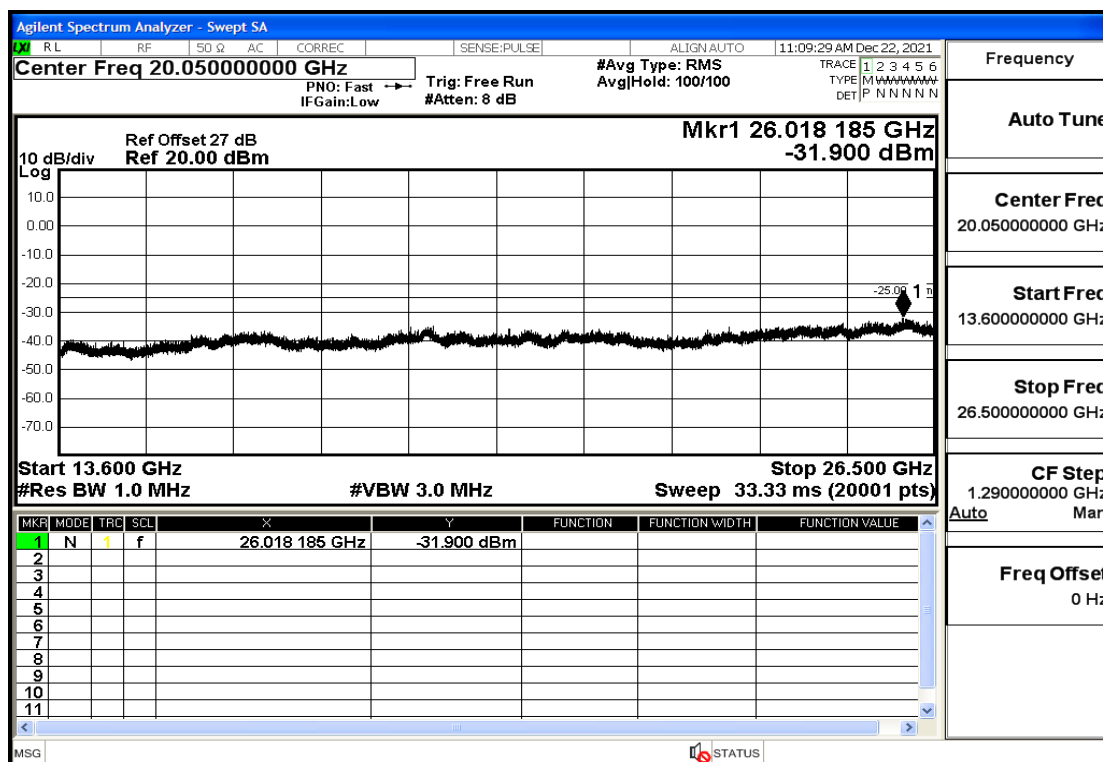
OB41-20-2645-Q16-100#LOW@1GHz-7GHz@Pass



OB41-20-2645-Q16-100#LOW@7GHz-13.6GHz@Pass



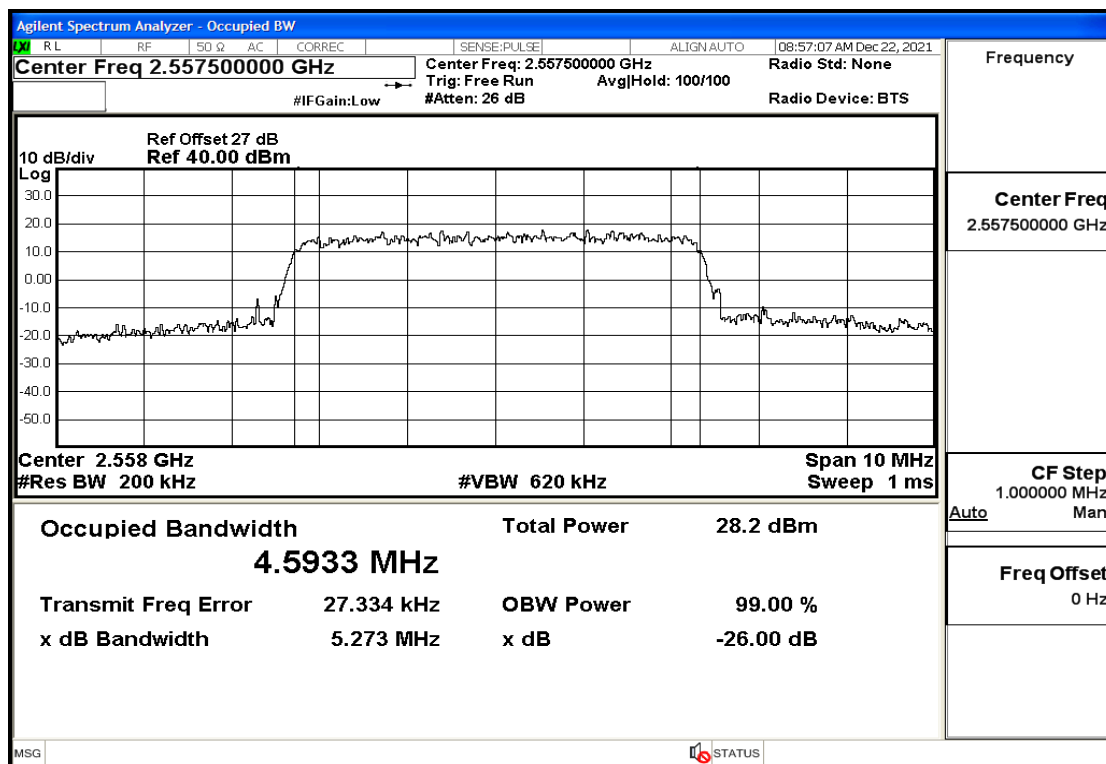
OB41-20-2645-Q16-100#LOW@13.6GHz-26.5GHz@Pass



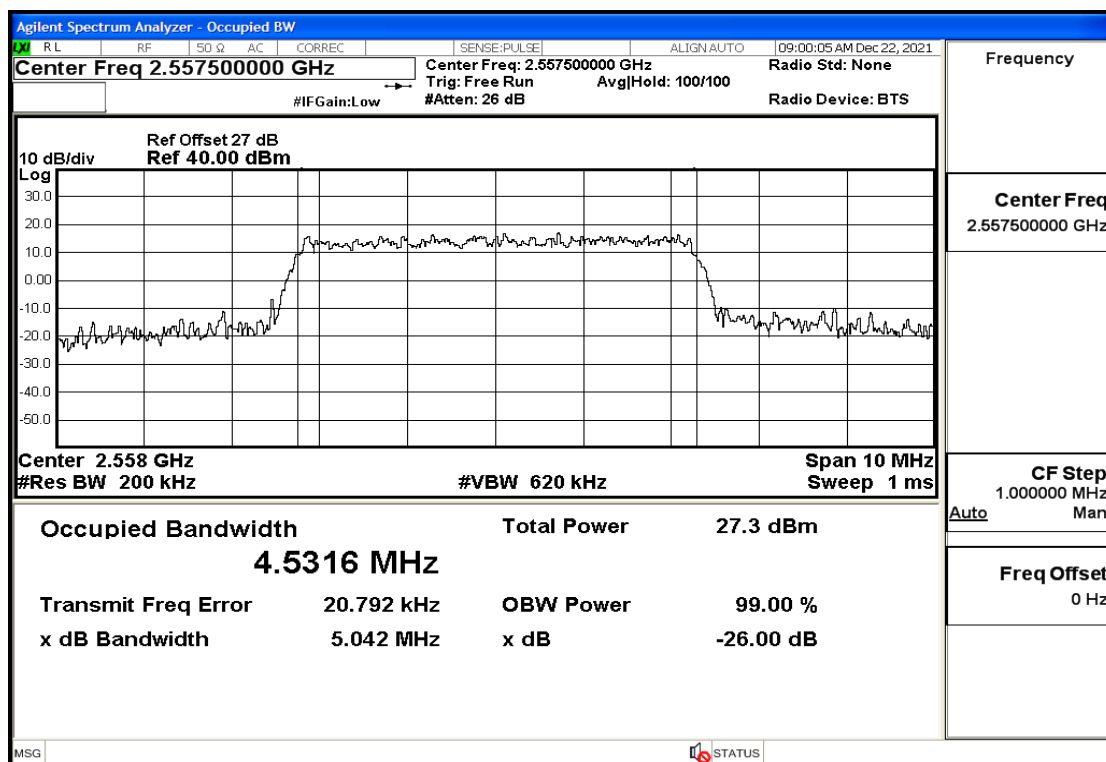
## Emission bandwidth and OBW

| 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       | 4593.3                     | 5273                       | No limit |
| Band41 | 5              | 2557.5               | 16QAM      | 25      | LOW       | 4531.6                     | 5042                       | No limit |
| Band41 | 5              | 2593                 | QPSK       | 25      | LOW       | 4535.8                     | 5504                       | No limit |
| Band41 | 5              | 2593                 | 16QAM      | 25      | LOW       | 4572                       | 5337                       | No limit |
| Band41 | 5              | 2652.5               | QPSK       | 25      | LOW       | 4559.5                     | 5002                       | No limit |
| Band41 | 5              | 2652.5               | 16QAM      | 25      | LOW       | 4542.1                     | 4992                       | No limit |
| Band41 | 10             | 2560                 | QPSK       | 50      | LOW       | 9064.3                     | 10020                      | No limit |
| Band41 | 10             | 2560                 | 16QAM      | 50      | LOW       | 9074                       | 9925                       | No limit |
| Band41 | 10             | 2593                 | QPSK       | 50      | LOW       | 9031.9                     | 11530                      | No limit |
| Band41 | 10             | 2593                 | 16QAM      | 50      | LOW       | 9052.6                     | 9871                       | No limit |
| Band41 | 10             | 2650                 | QPSK       | 50      | LOW       | 9117                       | 9910                       | No limit |
| Band41 | 10             | 2650                 | 16QAM      | 50      | LOW       | 9095.7                     | 10080                      | No limit |
| Band41 | 15             | 2562.5               | QPSK       | 75      | LOW       | 13634                      | 14820                      | No limit |
| Band41 | 15             | 2562.5               | 16QAM      | 75      | LOW       | 13610                      | 14820                      | No limit |
| Band41 | 15             | 2593                 | QPSK       | 75      | LOW       | 13574                      | 14780                      | No limit |
| Band41 | 15             | 2593                 | 16QAM      | 75      | LOW       | 13586                      | 14900                      | No limit |
| Band41 | 15             | 2647.5               | QPSK       | 75      | LOW       | 13601                      | 15060                      | No limit |
| Band41 | 15             | 2647.5               | 16QAM      | 75      | LOW       | 13644                      | 15250                      | No limit |
| Band41 | 20             | 2565                 | QPSK       | 100     | LOW       | 18103                      | 19600                      | No limit |
| Band41 | 20             | 2565                 | 16QAM      | 100     | LOW       | 18073                      | 19890                      | No limit |
| Band41 | 20             | 2593                 | QPSK       | 100     | LOW       | 18140                      | 22330                      | No limit |
| Band41 | 20             | 2645                 | QPSK       | 100     | LOW       | 18141                      | 19800                      | No limit |
| Band41 | 20             | 2645                 | 16QAM      | 100     | LOW       | 18127                      | 20950                      | No limit |

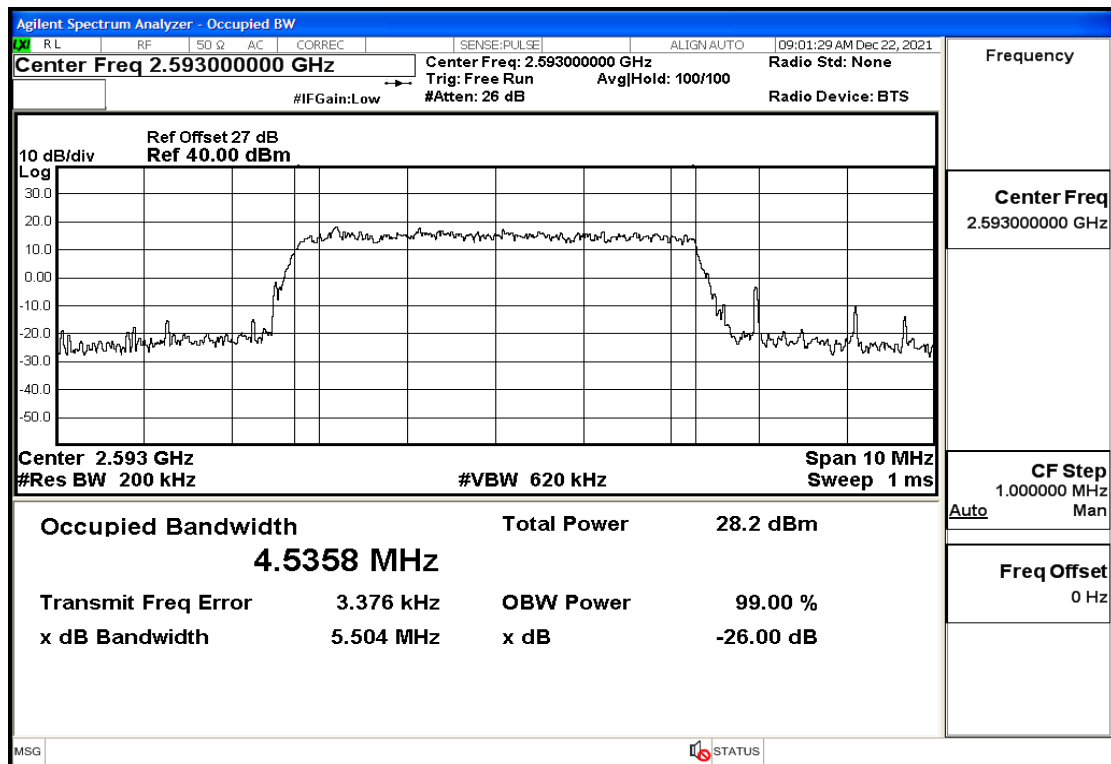
## Band41-5-2557.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



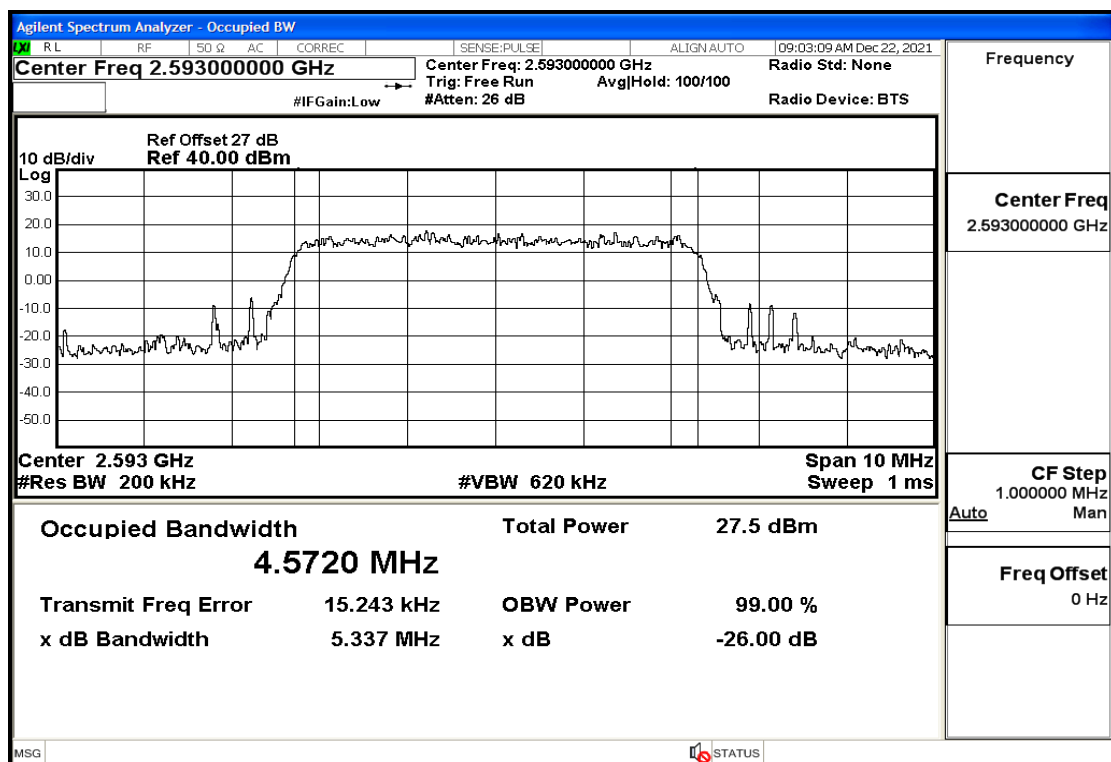
## Band41-5-2557.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



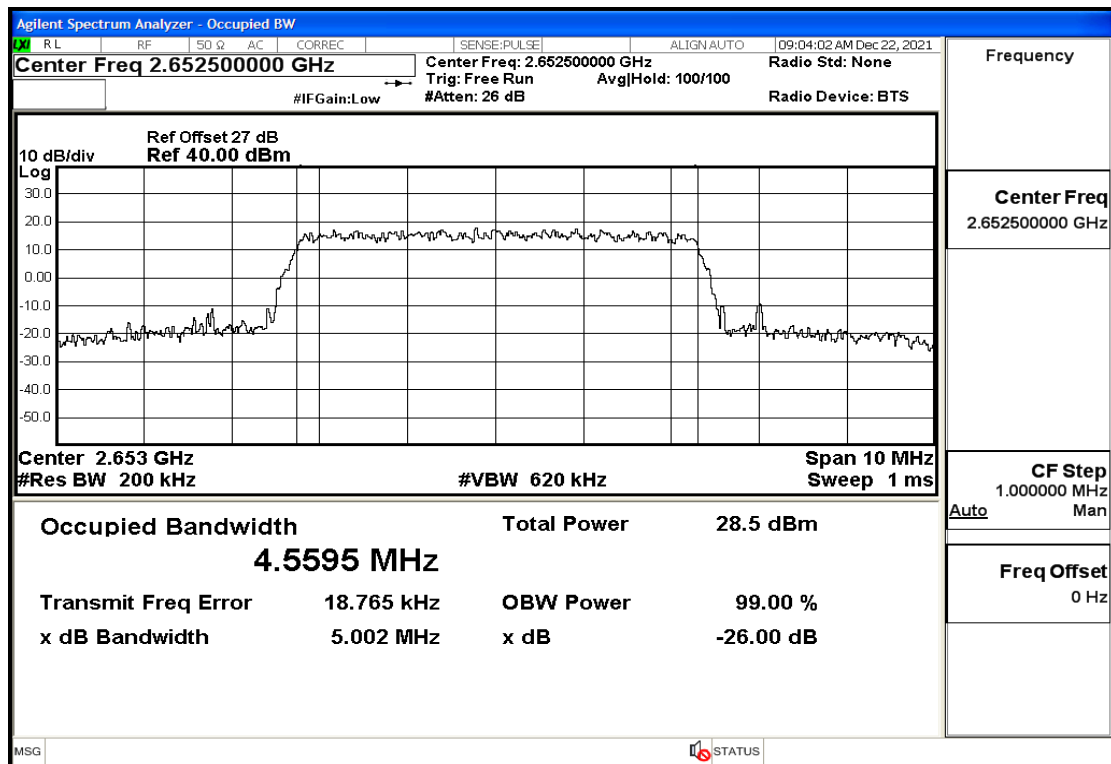
## Band41-5-2593-QPSK-25#LOW@26dB and 99PCT Bandwidth



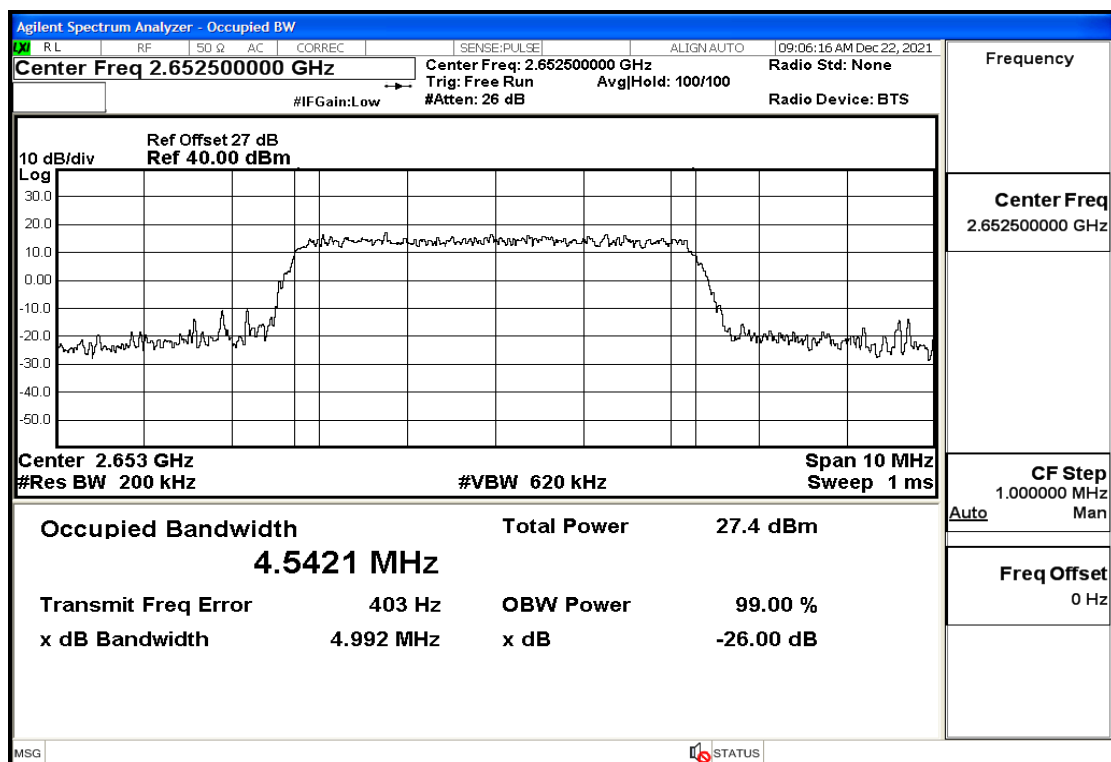
## Band41-5-2593-16QAM-25#LOW@26dB and 99PCT Bandwidth



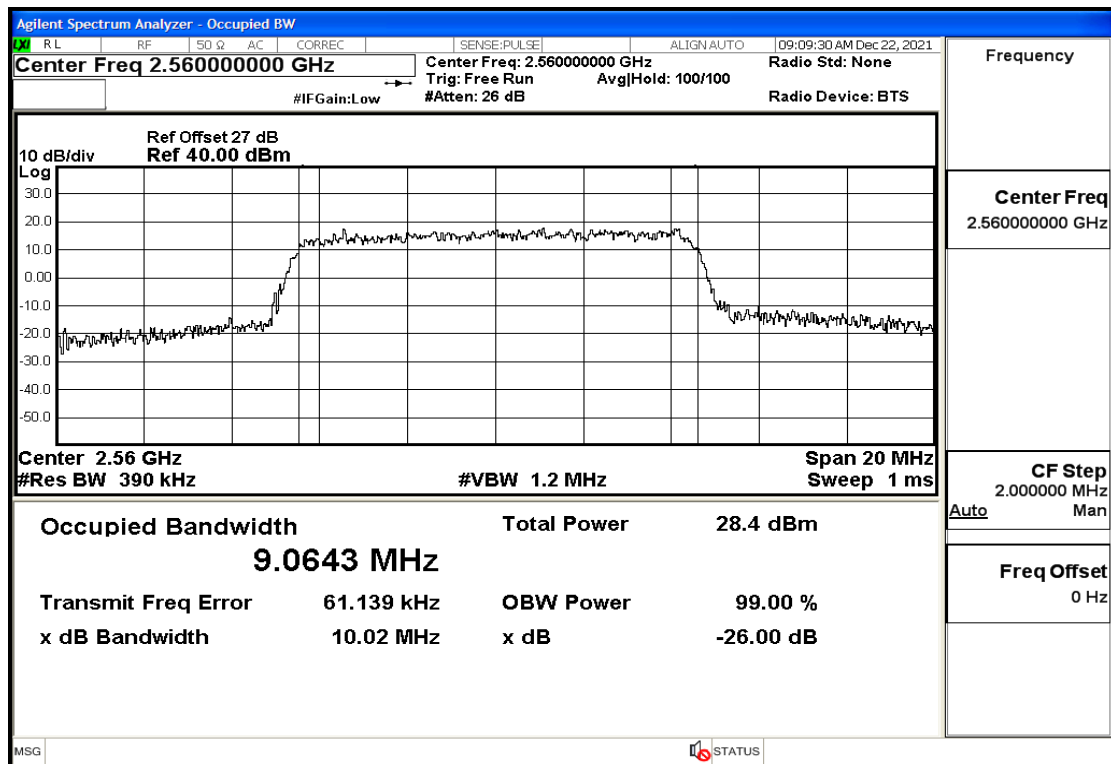
## Band41-5-2652.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



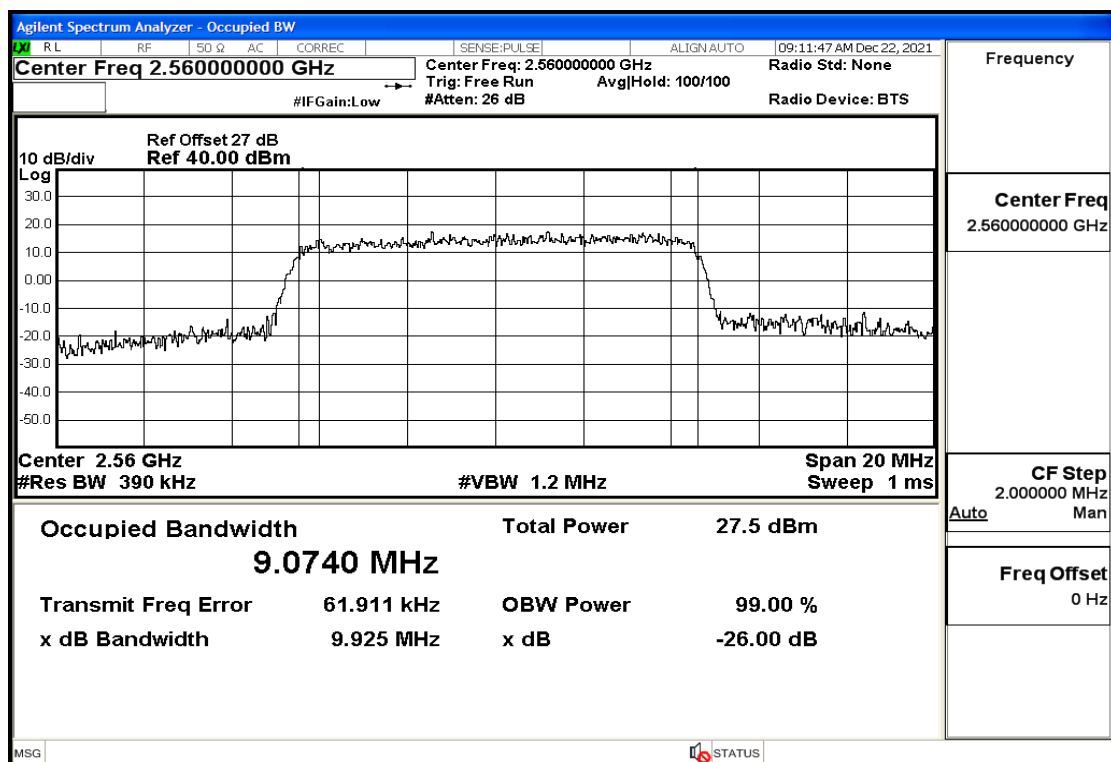
## Band41-5-2652.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



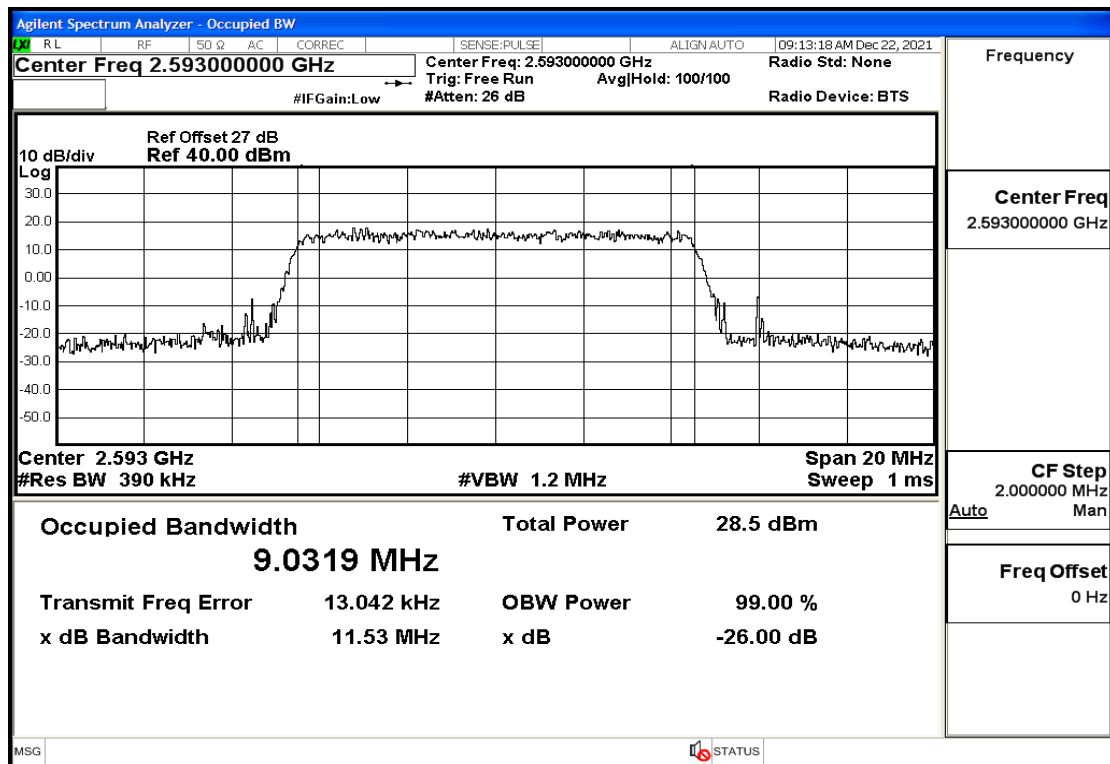
## Band41-10-2560-QPSK-50#LOW@26dB and 99PCT Bandwidth



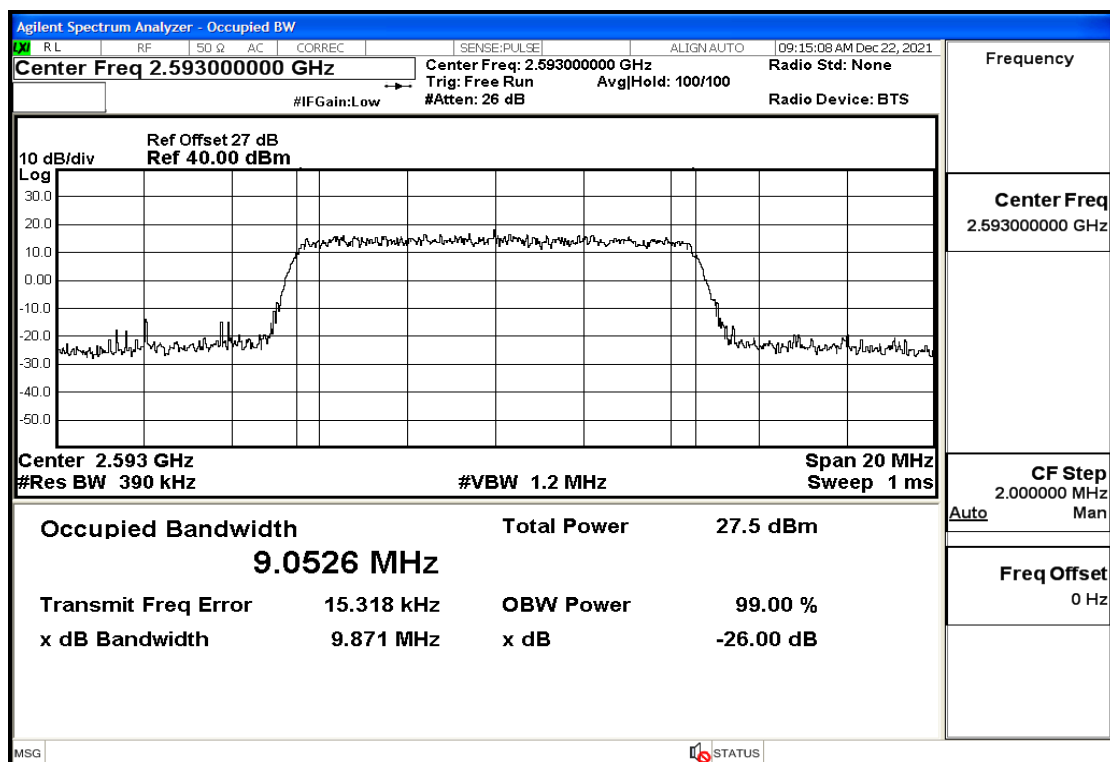
## Band41-10-2560-16QAM-50#LOW@26dB and 99PCT Bandwidth



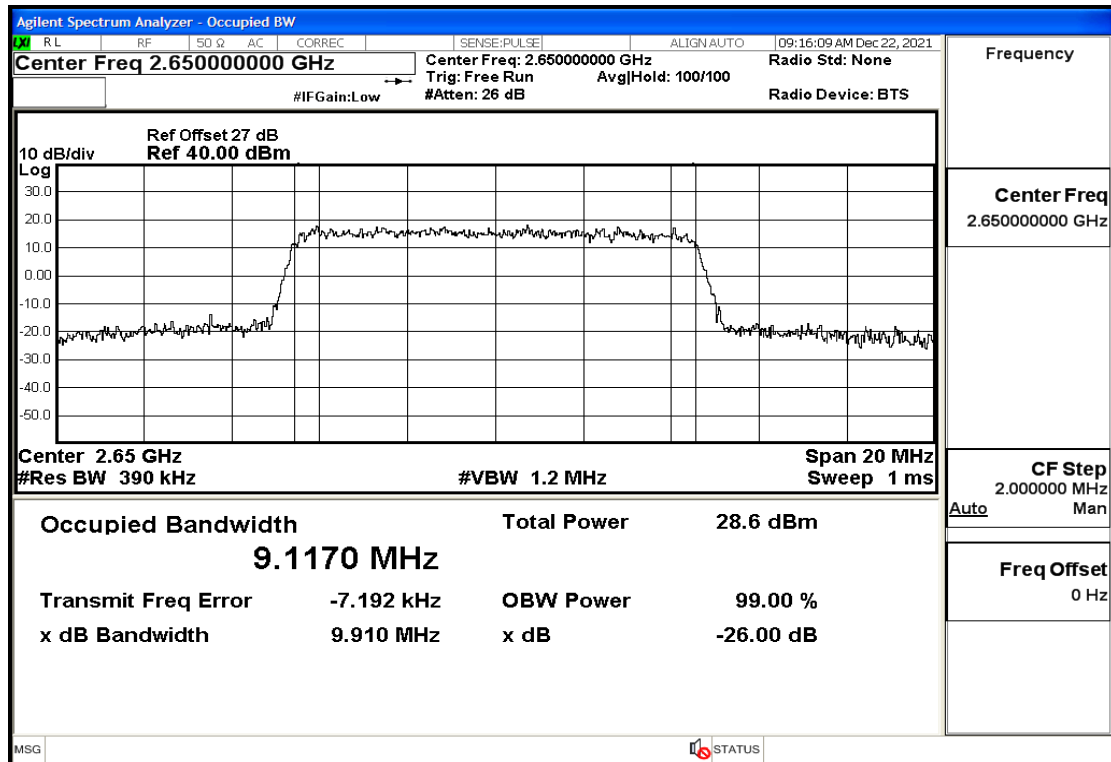
## Band41-10-2593-QPSK-50#LOW@26dB and 99PCT Bandwidth



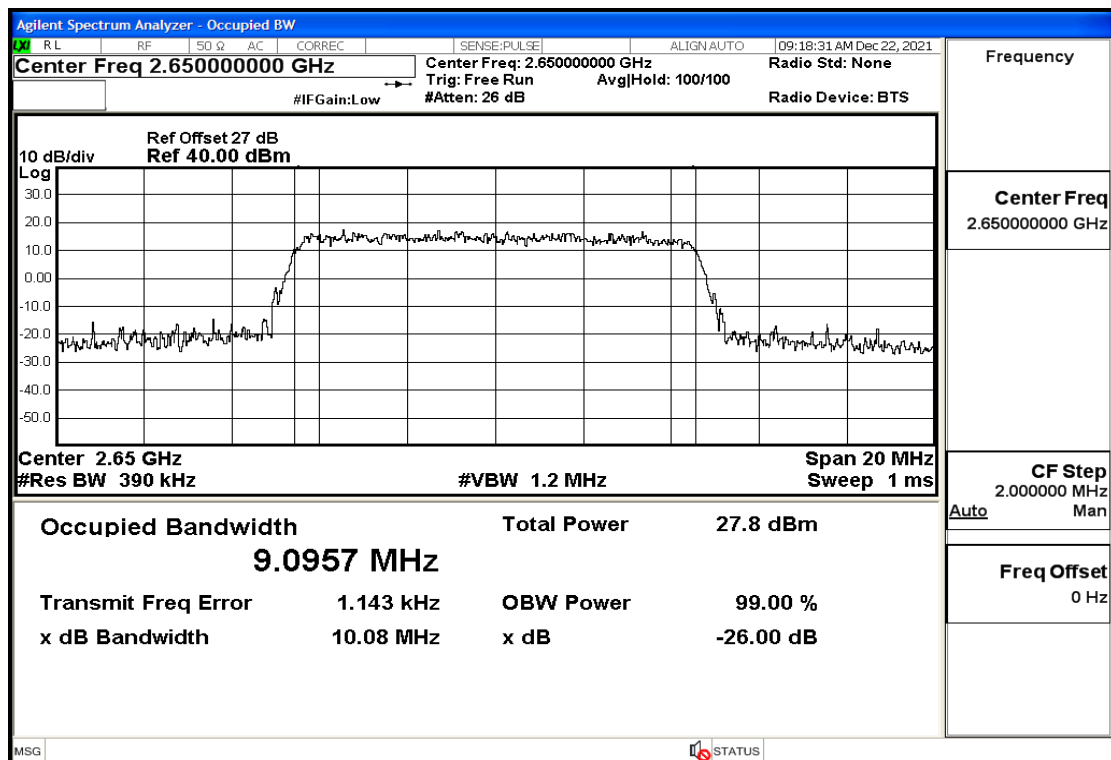
## Band41-10-2593-16QAM-50#LOW@26dB and 99PCT Bandwidth



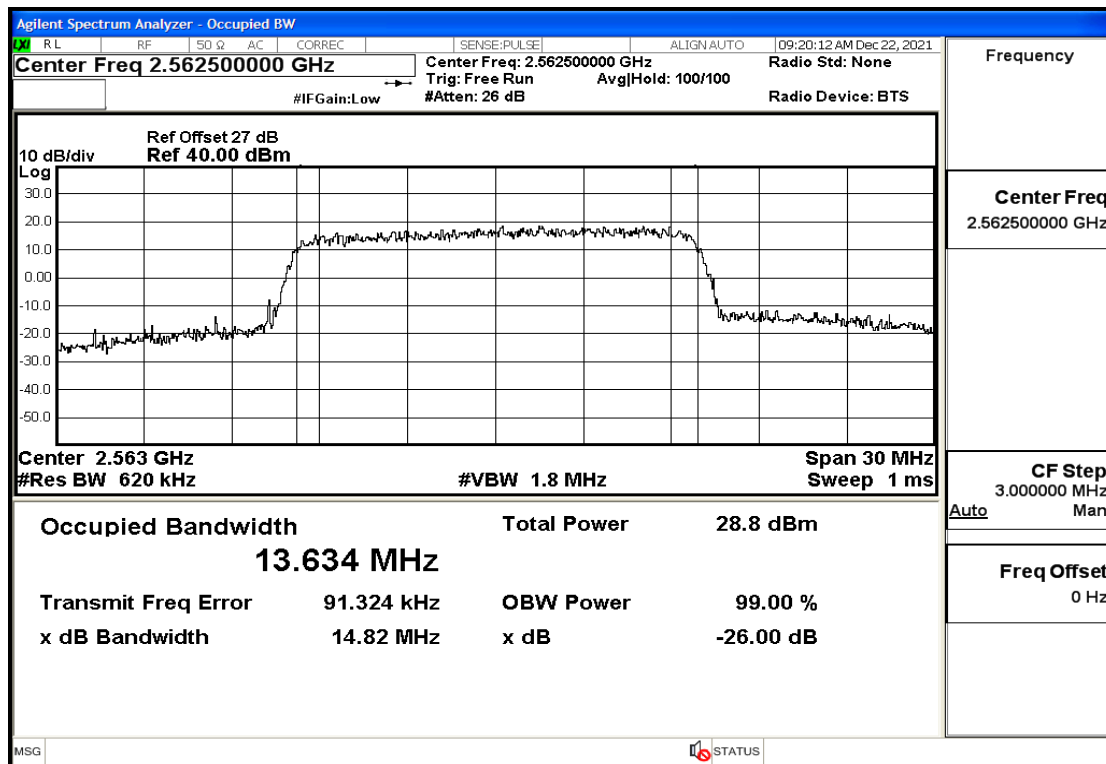
## Band41-10-2650-QPSK-50#LOW@26dB and 99PCT Bandwidth



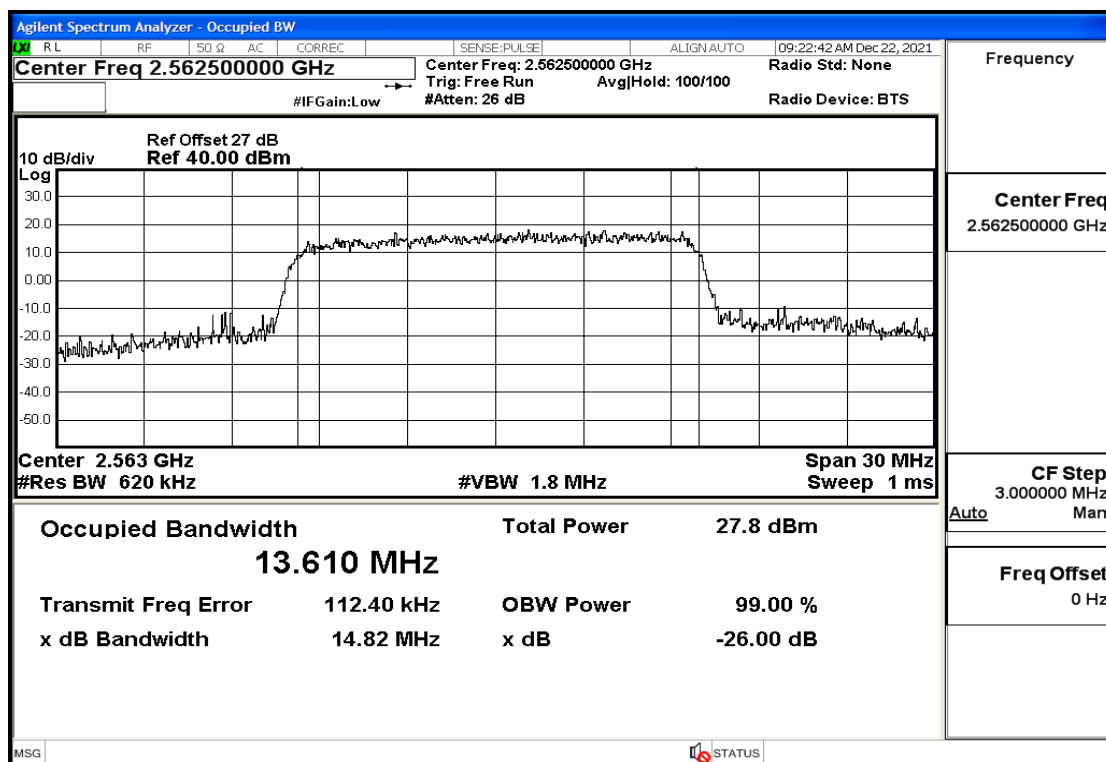
## Band41-10-2650-16QAM-50#LOW@26dB and 99PCT Bandwidth



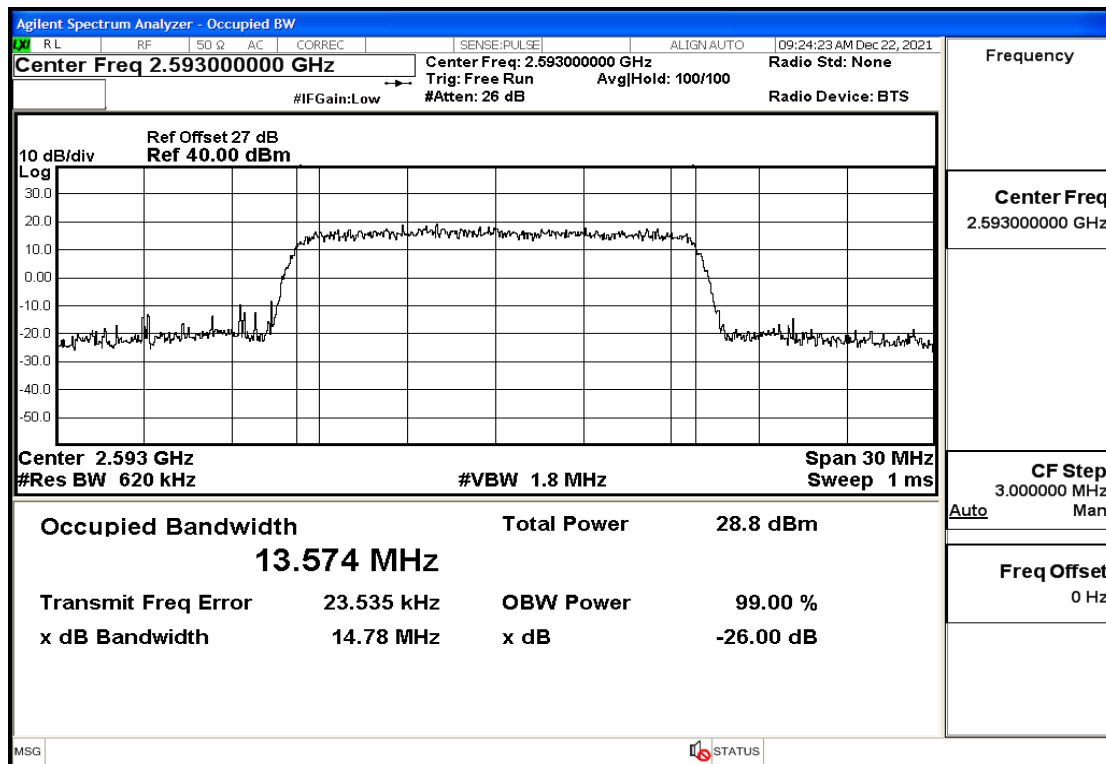
## Band41-15-2562.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



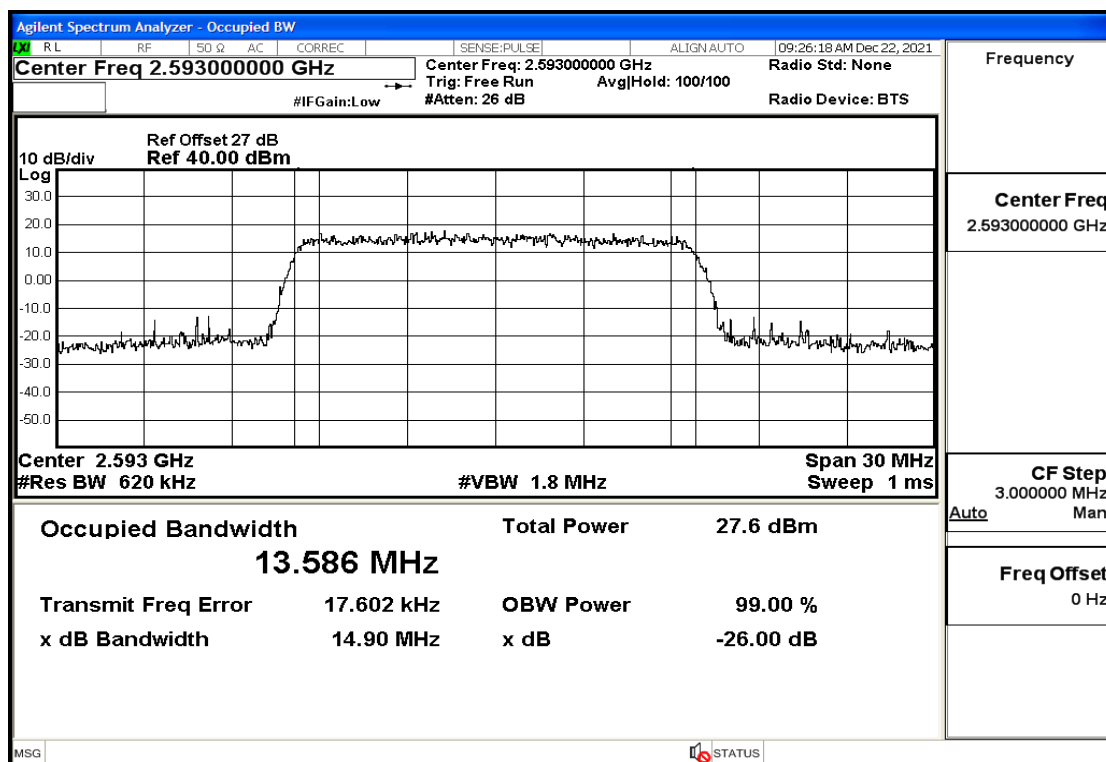
## Band41-15-2562.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



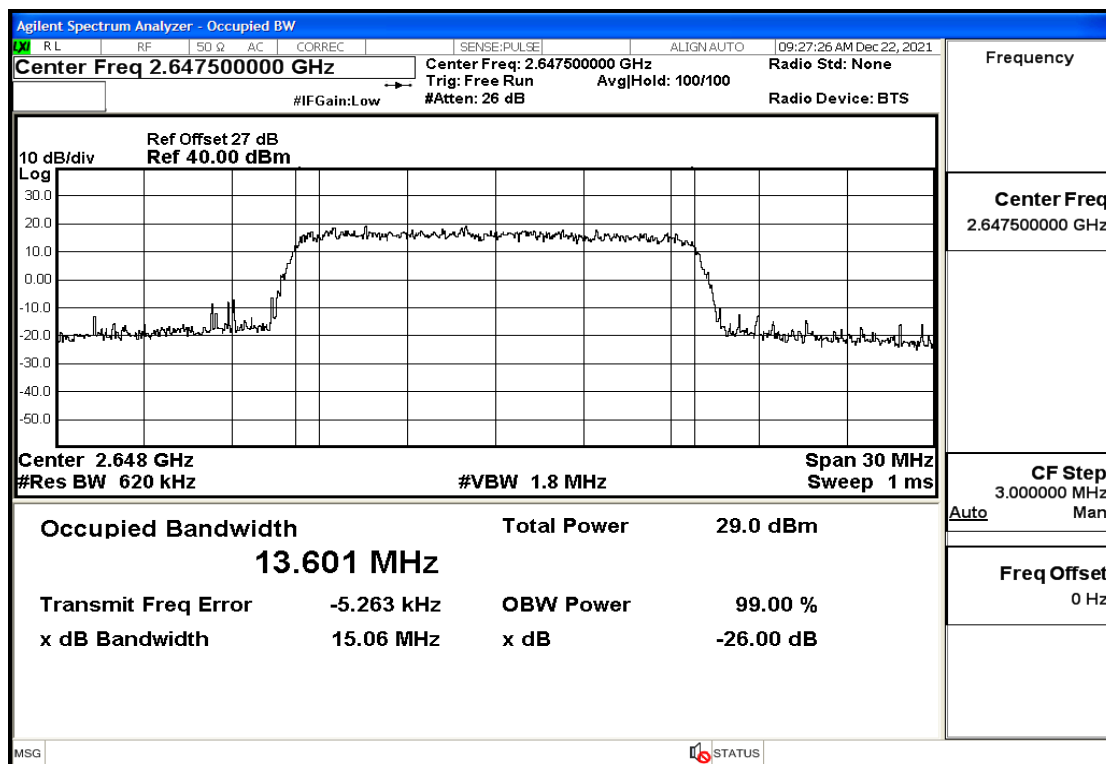
## Band41-15-2593-QPSK-75#LOW@26dB and 99PCT Bandwidth



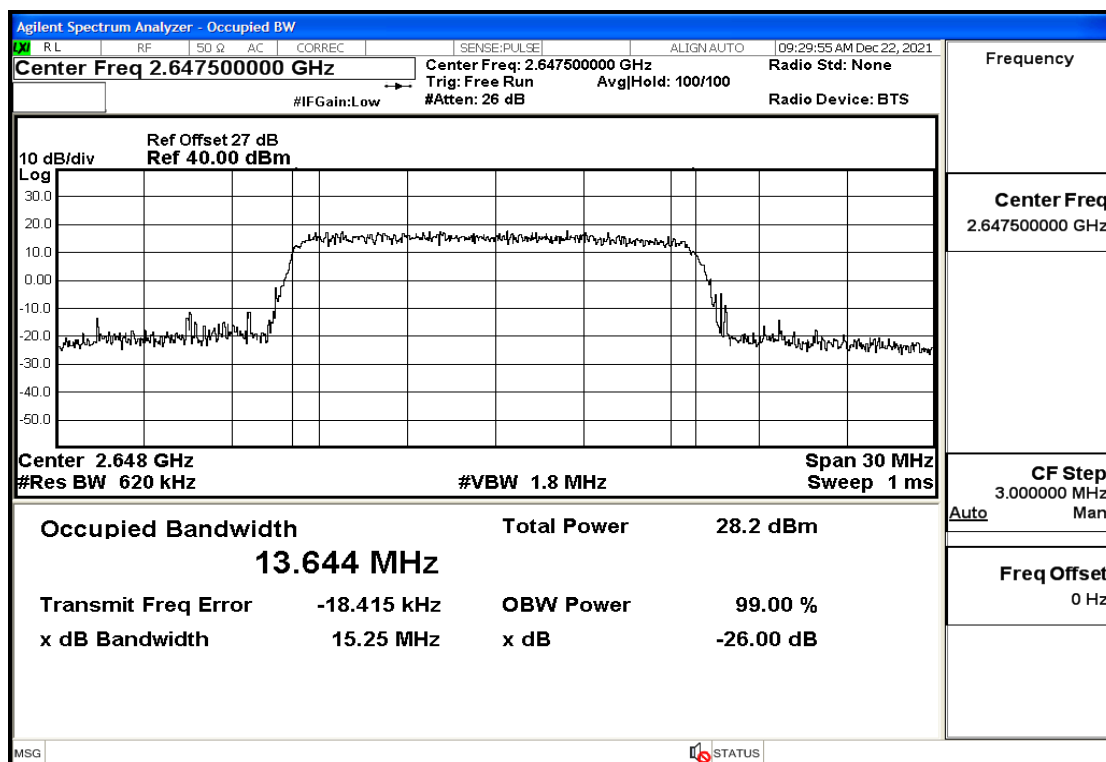
## Band41-15-2593-16QAM-75#LOW@26dB and 99PCT Bandwidth



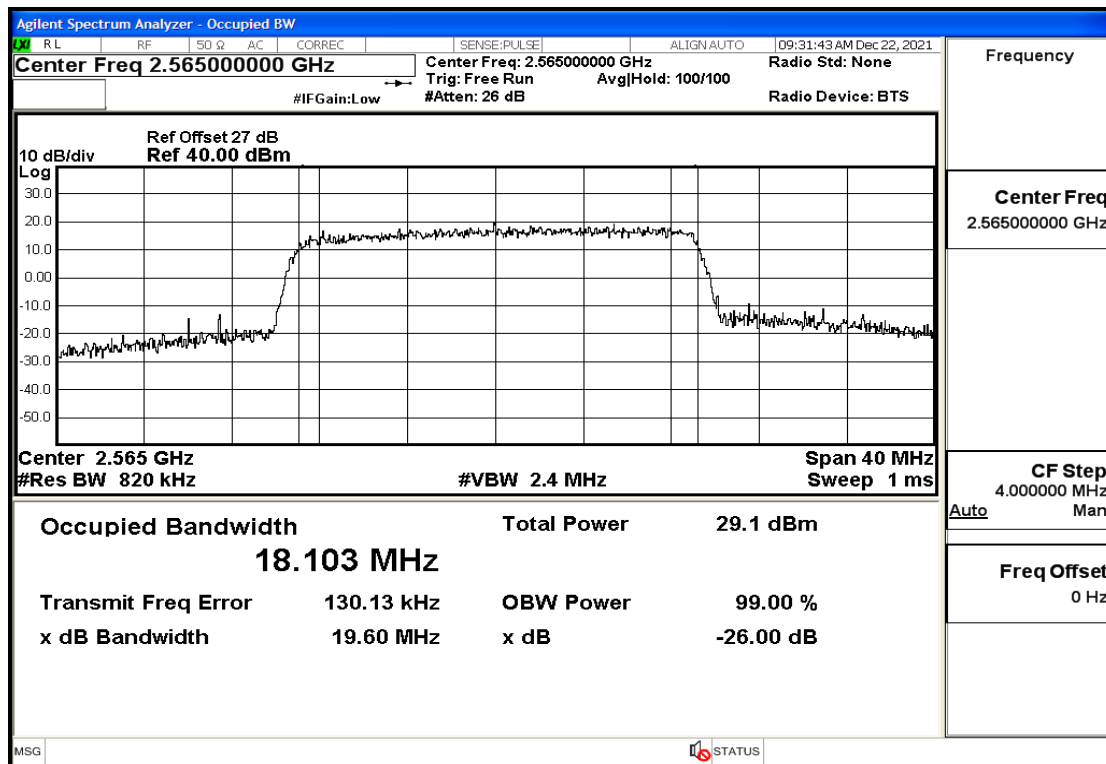
## Band41-15-2647.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



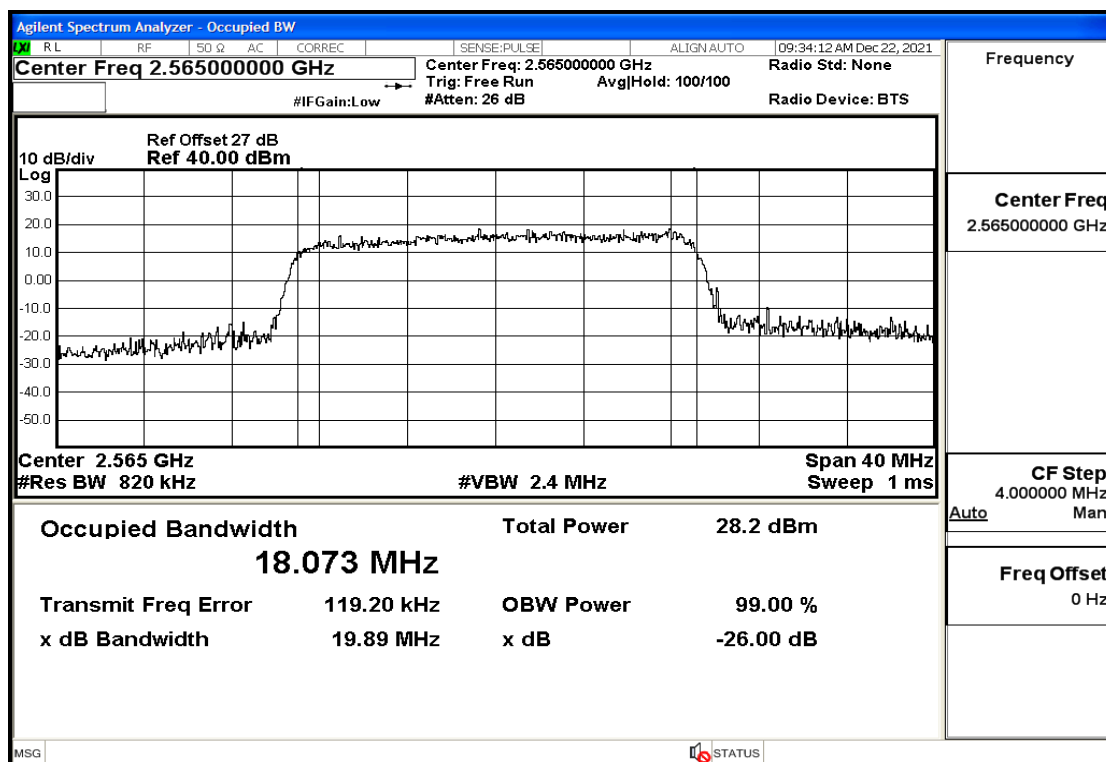
## Band41-15-2647.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



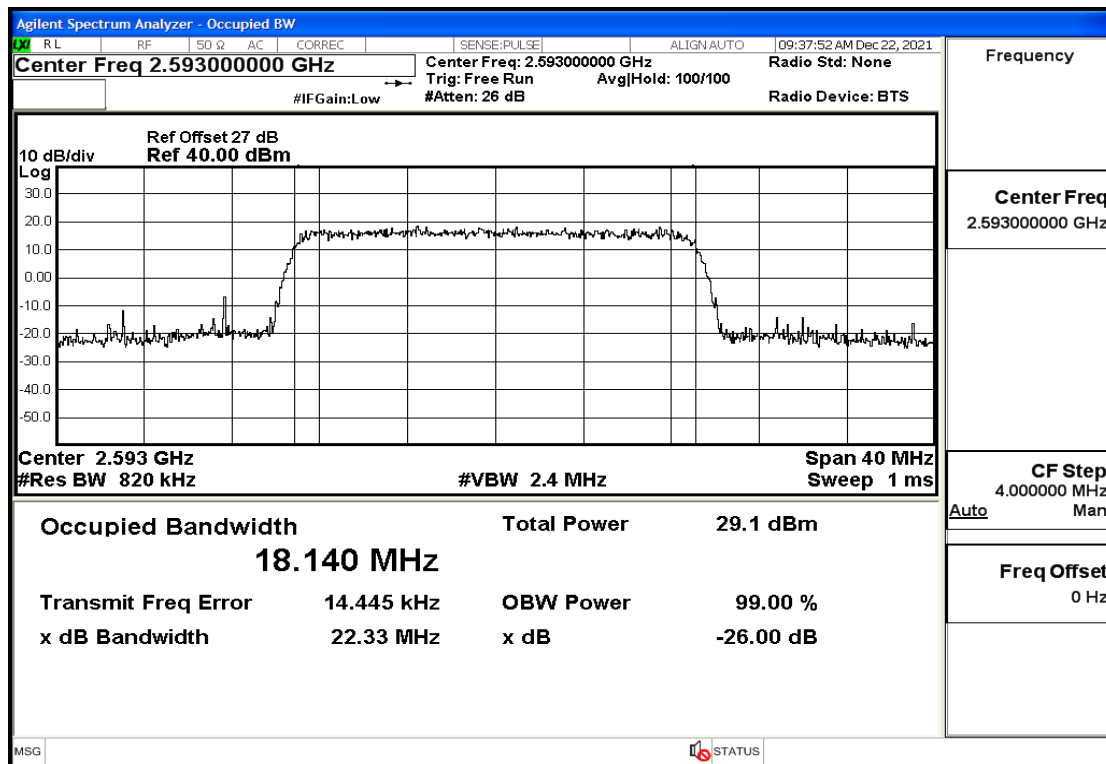
## Band41-20-2565-QPSK-100#LOW@26dB and 99PCT Bandwidth



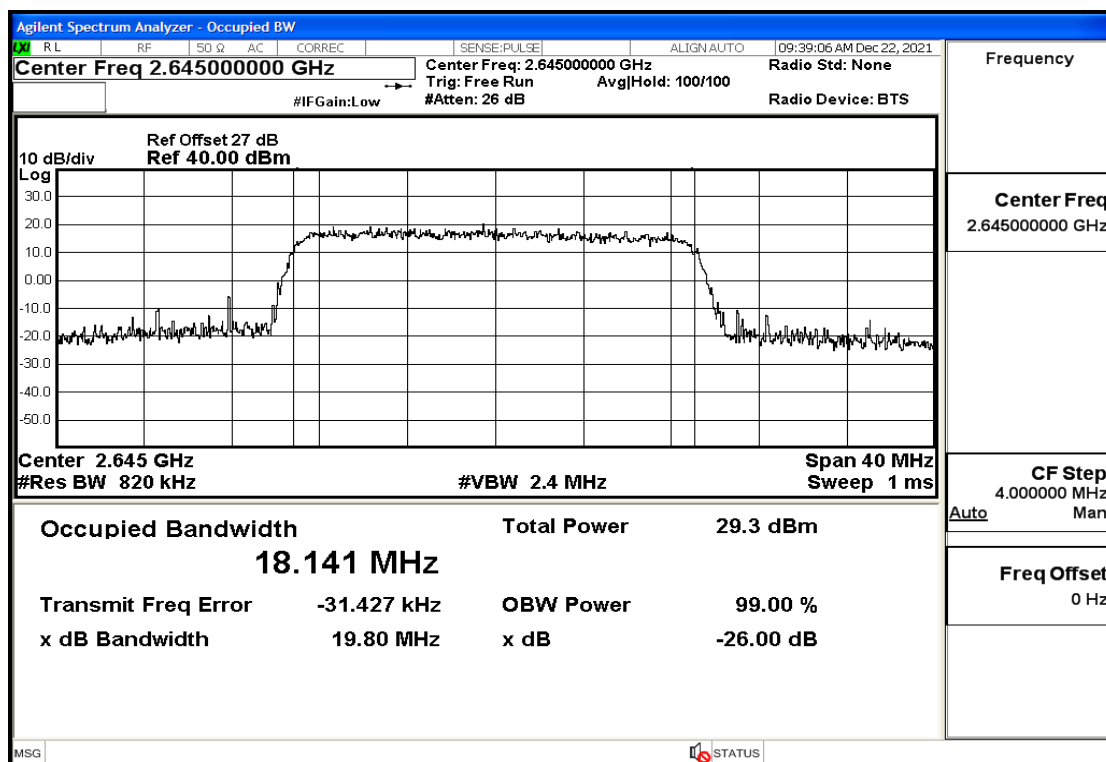
## Band41-20-2565-16QAM-100#LOW@26dB and 99PCT Bandwidth



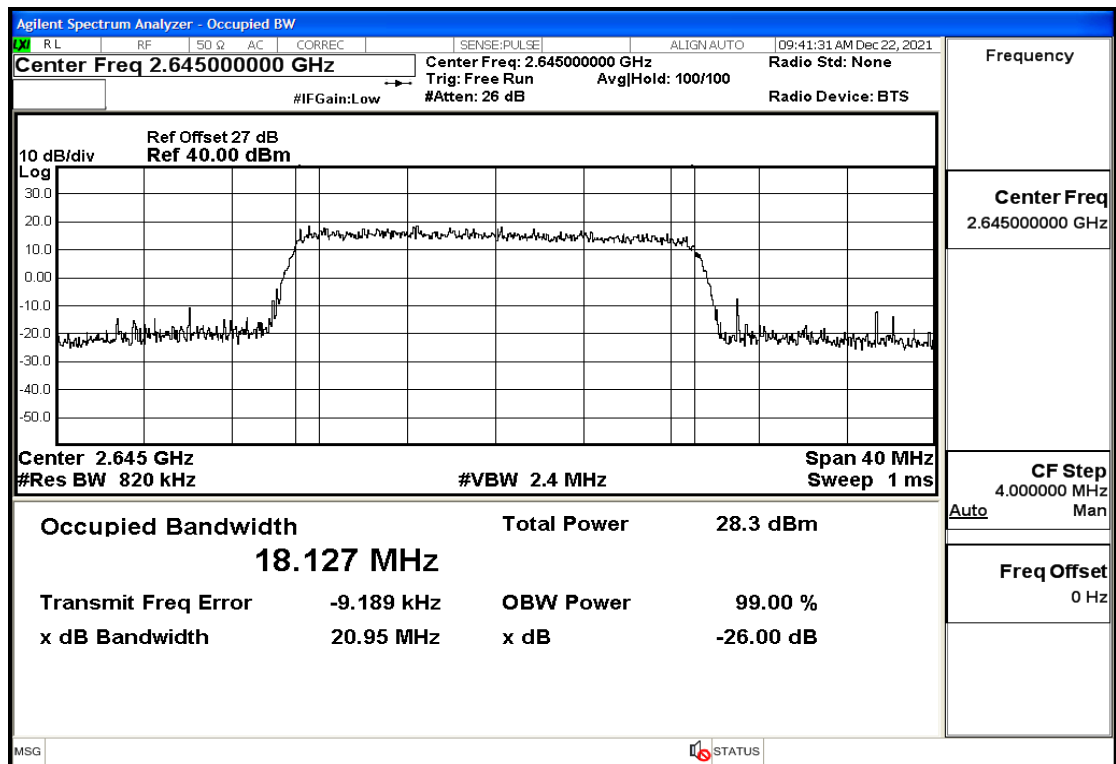
## Band41-20-2593-QPSK-100#LOW@26dB and 99PCT Bandwidth



## 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<br>41(QPSK) / Middle<br>Channel | Limit  |
|------------------|-------------------|------------------------------------------|--------|
| Temperature (°C) | Voltage (Volt)    | BW 5MHz                                  | 2.5ppm |
|                  |                   | Deviation (ppm)                          | Result |
| 50               | Normal Voltage    | 0.0683                                   | PASS   |
| 40               | Normal Voltage    | 0.0393                                   |        |
| 30               | Normal Voltage    | 0.0162                                   |        |
| 20(Ref.)         | Normal Voltage    | 0.0290                                   |        |
| 10               | Normal Voltage    | 0.0613                                   |        |
| 0                | Normal Voltage    | 0.0161                                   |        |
| -10              | Normal Voltage    | 0.0448                                   |        |
| -20              | Normal Voltage    | 0.0373                                   |        |
| -30              | Normal Voltage    | 0.0198                                   |        |
| 20               | Maximum Voltage   | 0.0190                                   |        |
| 20               | Normal Voltage    | 0.0258                                   |        |
| 20               | Battery End Point | 0.0664                                   |        |

## 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       | 21.28         | 27.21      | 5.93                | 13        | 1.2          | 22.48         | 33         | Pass       |
| Band41 | 5              | 2557.5            | QPSK       | 12      | LOW       | 21.4          | 26.85      | 5.45                | 13        | 1.2          | 22.6          | 33         | Pass       |
| Band41 | 5              | 2557.5            | QPSK       | 12      | MID       | 21.4          | 26.86      | 5.46                | 13        | 1.2          | 22.6          | 33         | Pass       |
| Band41 | 5              | 2557.5            | QPSK       | 12      | HIGH      | 21.27         | 26.86      | 5.59                | 13        | 1.2          | 22.47         | 33         | Pass       |
| Band41 | 5              | 2557.5            | QPSK       | 1       | LOW       | 22.63         | 26.57      | 3.94                | 13        | 1.2          | 23.83         | 33         | Pass       |
| Band41 | 5              | 2557.5            | QPSK       | 1       | MID       | 22.3          | 26.33      | 4.03                | 13        | 1.2          | 23.5          | 33         | Pass       |
| Band41 | 5              | 2557.5            | QPSK       | 1       | HIGH      | 22.21         | 26.48      | 4.27                | 13        | 1.2          | 23.41         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 25      | LOW       | 20.63         | 27.21      | 6.58                | 13        | 1.2          | 21.83         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 12      | LOW       | 20.35         | 26.45      | 6.1                 | 13        | 1.2          | 21.55         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 12      | MID       | 20.35         | 26.48      | 6.13                | 13        | 1.2          | 21.55         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 12      | HIGH      | 20.34         | 26.47      | 6.13                | 13        | 1.2          | 21.54         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 1       | LOW       | 21.61         | 26.54      | 4.93                | 13        | 1.2          | 22.81         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 1       | MID       | 21.61         | 26.46      | 4.85                | 13        | 1.2          | 22.81         | 33         | Pass       |
| Band41 | 5              | 2557.5            | 16QAM      | 1       | HIGH      | 21.5          | 26.5       | 5                   | 13        | 1.2          | 22.7          | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 25      | LOW       | 21.36         | 27.37      | 6.01                | 13        | 1.2          | 22.56         | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 12      | LOW       | 21.48         | 27.65      | 6.17                | 13        | 1.2          | 22.68         | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 12      | MID       | 21.49         | 27.65      | 6.16                | 13        | 1.2          | 22.69         | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 12      | HIGH      | 21.49         | 27.39      | 5.9                 | 13        | 1.2          | 22.69         | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 1       | LOW       | 22.38         | 27.6       | 5.22                | 13        | 1.2          | 23.58         | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 1       | MID       | 22.49         | 27.63      | 5.14                | 13        | 1.2          | 23.69         | 33         | Pass       |
| Band41 | 5              | 2593              | QPSK       | 1       | HIGH      | 22.32         | 27.64      | 5.32                | 13        | 1.2          | 23.52         | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 25      | LOW       | 20.67         | 27.73      | 7.06                | 13        | 1.2          | 21.87         | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 12      | LOW       | 20.38         | 27.48      | 7.1                 | 13        | 1.2          | 21.58         | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 12      | MID       | 20.3          | 27.41      | 7.11                | 13        | 1.2          | 21.5          | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 12      | HIGH      | 20.29         | 27.36      | 7.07                | 13        | 1.2          | 21.49         | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 1       | LOW       | 21.06         | 27.28      | 6.22                | 13        | 1.2          | 22.26         | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 1       | MID       | 21.13         | 27.04      | 5.91                | 13        | 1.2          | 22.33         | 33         | Pass       |
| Band41 | 5              | 2593              | 16QAM      | 1       | HIGH      | 21.1          | 27.14      | 6.04                | 13        | 1.2          | 22.3          | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 25      | LOW       | 21.62         | 27.47      | 5.85                | 13        | 1.2          | 22.82         | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 12      | LOW       | 21.59         | 27.31      | 5.72                | 13        | 1.2          | 22.79         | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 12      | MID       | 21.59         | 27.34      | 5.75                | 13        | 1.2          | 22.79         | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 12      | HIGH      | 21.6          | 27.53      | 5.93                | 13        | 1.2          | 22.8          | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 1       | LOW       | 22.25         | 26.99      | 4.74                | 13        | 1.2          | 23.45         | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 1       | MID       | 22.29         | 26.77      | 4.48                | 13        | 1.2          | 23.49         | 33         | Pass       |
| Band41 | 5              | 2652.5            | QPSK       | 1       | HIGH      | 22.14         | 26.86      | 4.72                | 13        | 1.2          | 23.34         | 33         | Pass       |
| Band41 | 5              | 2652.5            | 16QAM      | 25      | LOW       | 20.58         | 27.37      | 6.79                | 13        | 1.2          | 21.78         | 33         | Pass       |
| Band41 | 5              | 2652.5            | 16QAM      | 12      | LOW       | 20.55         | 27.23      | 6.68                | 13        | 1.2          | 21.75         | 33         | Pass       |
| Band41 | 5              | 2652.5            | 16QAM      | 12      | MID       | 20.55         | 27.17      | 6.62                | 13        | 1.2          | 21.75         | 33         | Pass       |
| Band41 | 5              | 2652.5            | 16QAM      | 12      | HIGH      | 20.52         | 27.11      | 6.59                | 13        | 1.2          | 21.72         | 33         | Pass       |
| Band41 | 5              | 2652.5            | 16QAM      | 1       | LOW       | 22.05         | 27.02      | 4.97                | 13        | 1.2          | 23.25         | 33         | Pass       |

|        |    |        |       |    |      |       |       |      |    |     |       |    |      |
|--------|----|--------|-------|----|------|-------|-------|------|----|-----|-------|----|------|
| Band41 | 5  | 2652.5 | 16QAM | 1  | MID  | 22.28 | 27.13 | 4.85 | 13 | 1.2 | 23.48 | 33 | Pass |
| Band41 | 5  | 2652.5 | 16QAM | 1  | HIGH | 21.28 | 27.04 | 5.76 | 13 | 1.2 | 22.48 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 50 | LOW  | 21.25 | 27.46 | 6.21 | 13 | 1.2 | 22.45 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 25 | LOW  | 21.32 | 26.71 | 5.39 | 13 | 1.2 | 22.52 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 25 | MID  | 21.31 | 26.67 | 5.36 | 13 | 1.2 | 22.51 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 25 | HIGH | 21.24 | 26.77 | 5.53 | 13 | 1.2 | 22.44 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 1  | LOW  | 22.38 | 26.76 | 4.38 | 13 | 1.2 | 23.58 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 1  | MID  | 22.46 | 26.88 | 4.42 | 13 | 1.2 | 23.66 | 33 | Pass |
| Band41 | 10 | 2560   | QPSK  | 1  | HIGH | 22.58 | 27.11 | 4.53 | 13 | 1.2 | 23.78 | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 50 | LOW  | 20.39 | 26.96 | 6.57 | 13 | 1.2 | 21.59 | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 25 | LOW  | 20.42 | 26.71 | 6.29 | 13 | 1.2 | 21.62 | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 25 | MID  | 20.42 | 26.7  | 6.28 | 13 | 1.2 | 21.62 | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 25 | HIGH | 20.3  | 26.84 | 6.54 | 13 | 1.2 | 21.5  | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 1  | LOW  | 21.8  | 26.74 | 4.94 | 13 | 1.2 | 23    | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 1  | MID  | 21.73 | 26.54 | 4.81 | 13 | 1.2 | 22.93 | 33 | Pass |
| Band41 | 10 | 2560   | 16QAM | 1  | HIGH | 21.62 | 26.65 | 5.03 | 13 | 1.2 | 22.82 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 50 | LOW  | 21.41 | 27.52 | 6.11 | 13 | 1.2 | 22.61 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 25 | LOW  | 21.53 | 27.46 | 5.93 | 13 | 1.2 | 22.73 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 25 | MID  | 21.53 | 27.44 | 5.91 | 13 | 1.2 | 22.73 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 25 | HIGH | 21.62 | 27.49 | 5.87 | 13 | 1.2 | 22.82 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 1  | LOW  | 22.65 | 27.95 | 5.3  | 13 | 1.2 | 23.85 | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 1  | MID  | 22.6  | 27.72 | 5.12 | 13 | 1.2 | 23.8  | 33 | Pass |
| Band41 | 10 | 2593   | QPSK  | 1  | HIGH | 22.71 | 27.96 | 5.25 | 13 | 1.2 | 23.91 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 50 | LOW  | 20.75 | 27.76 | 7.01 | 13 | 1.2 | 21.95 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 25 | LOW  | 20.51 | 27.45 | 6.94 | 13 | 1.2 | 21.71 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 25 | MID  | 20.51 | 27.46 | 6.95 | 13 | 1.2 | 21.71 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 25 | HIGH | 20.62 | 27.45 | 6.83 | 13 | 1.2 | 21.82 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 1  | LOW  | 21.56 | 28.05 | 6.49 | 13 | 1.2 | 22.76 | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 1  | MID  | 21.8  | 28.18 | 6.38 | 13 | 1.2 | 23    | 33 | Pass |
| Band41 | 10 | 2593   | 16QAM | 1  | HIGH | 21.61 | 28.04 | 6.43 | 13 | 1.2 | 22.81 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 50 | LOW  | 21.63 | 27.76 | 6.13 | 13 | 1.2 | 22.83 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 25 | LOW  | 21.62 | 27.44 | 5.82 | 13 | 1.2 | 22.82 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 25 | MID  | 21.62 | 27.43 | 5.81 | 13 | 1.2 | 22.82 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 25 | HIGH | 21.6  | 27.38 | 5.78 | 13 | 1.2 | 22.8  | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 1  | LOW  | 22.48 | 27.45 | 4.97 | 13 | 1.2 | 23.68 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 1  | MID  | 22.45 | 27.31 | 4.86 | 13 | 1.2 | 23.65 | 33 | Pass |
| Band41 | 10 | 2650   | QPSK  | 1  | HIGH | 22.4  | 27.34 | 4.94 | 13 | 1.2 | 23.6  | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 50 | LOW  | 20.5  | 27.55 | 7.05 | 13 | 1.2 | 21.7  | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 25 | LOW  | 20.77 | 27.29 | 6.52 | 13 | 1.2 | 21.97 | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 25 | MID  | 20.77 | 27.27 | 6.5  | 13 | 1.2 | 21.97 | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 25 | HIGH | 20.72 | 27.3  | 6.58 | 13 | 1.2 | 21.92 | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 1  | LOW  | 21.68 | 27.16 | 5.48 | 13 | 1.2 | 22.88 | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 1  | MID  | 22.55 | 27.31 | 4.76 | 13 | 1.2 | 23.75 | 33 | Pass |
| Band41 | 10 | 2650   | 16QAM | 1  | HIGH | 22.11 | 27.23 | 5.12 | 13 | 1.2 | 23.31 | 33 | Pass |
| Band41 | 15 | 2562.5 | QPSK  | 75 | LOW  | 21.31 | 27.08 | 5.77 | 13 | 1.2 | 22.51 | 33 | Pass |
| Band41 | 15 | 2562.5 | QPSK  | 38 | LOW  | 21.2  | 26.99 | 5.79 | 13 | 1.2 | 22.4  | 33 | Pass |

|        |    |        |       |     |      |       |       |      |    |     |       |    |      |
|--------|----|--------|-------|-----|------|-------|-------|------|----|-----|-------|----|------|
| Band41 | 15 | 2562.5 | QPSK  | 38  | MID  | 21.2  | 26.99 | 5.79 | 13 | 1.2 | 22.4  | 33 | Pass |
| Band41 | 15 | 2562.5 | QPSK  | 38  | HIGH | 21.2  | 26.96 | 5.76 | 13 | 1.2 | 22.4  | 33 | Pass |
| Band41 | 15 | 2562.5 | QPSK  | 1   | LOW  | 22.4  | 26.84 | 4.44 | 13 | 1.2 | 23.6  | 33 | Pass |
| Band41 | 15 | 2562.5 | QPSK  | 1   | MID  | 22.36 | 26.99 | 4.63 | 13 | 1.2 | 23.56 | 33 | Pass |
| Band41 | 15 | 2562.5 | QPSK  | 1   | HIGH | 22.52 | 27.5  | 4.98 | 13 | 1.2 | 23.72 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 75  | LOW  | 20.16 | 27.11 | 6.95 | 13 | 1.2 | 21.36 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 38  | LOW  | 20.45 | 27.33 | 6.88 | 13 | 1.2 | 21.65 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 38  | MID  | 20.45 | 27.35 | 6.9  | 13 | 1.2 | 21.65 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 38  | HIGH | 20.45 | 27.35 | 6.9  | 13 | 1.2 | 21.65 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 1   | LOW  | 21.84 | 26.82 | 4.98 | 13 | 1.2 | 23.04 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 1   | MID  | 21.38 | 26.42 | 5.04 | 13 | 1.2 | 22.58 | 33 | Pass |
| Band41 | 15 | 2562.5 | 16QAM | 1   | HIGH | 21.41 | 26.7  | 5.29 | 13 | 1.2 | 22.61 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 75  | LOW  | 21.42 | 27.51 | 6.09 | 13 | 1.2 | 22.62 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 38  | LOW  | 21.47 | 27.59 | 6.12 | 13 | 1.2 | 22.67 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 38  | MID  | 21.47 | 27.56 | 6.09 | 13 | 1.2 | 22.67 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 38  | HIGH | 21.47 | 27.58 | 6.11 | 13 | 1.2 | 22.67 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 1   | LOW  | 22.74 | 27.98 | 5.24 | 13 | 1.2 | 23.94 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 1   | MID  | 22.62 | 27.83 | 5.21 | 13 | 1.2 | 23.82 | 33 | Pass |
| Band41 | 15 | 2593   | QPSK  | 1   | HIGH | 22.82 | 28.08 | 5.26 | 13 | 1.2 | 24.02 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 75  | LOW  | 20.57 | 27.74 | 7.17 | 13 | 1.2 | 21.77 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 38  | LOW  | 20.41 | 27.61 | 7.2  | 13 | 1.2 | 21.61 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 38  | MID  | 20.42 | 27.6  | 7.18 | 13 | 1.2 | 21.62 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 38  | HIGH | 20.43 | 27.62 | 7.19 | 13 | 1.2 | 21.63 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 1   | LOW  | 22.07 | 28.2  | 6.13 | 13 | 1.2 | 23.27 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 1   | MID  | 21.91 | 28.06 | 6.15 | 13 | 1.2 | 23.11 | 33 | Pass |
| Band41 | 15 | 2593   | 16QAM | 1   | HIGH | 22.1  | 28.37 | 6.27 | 13 | 1.2 | 23.3  | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 75  | LOW  | 21.74 | 27.86 | 6.12 | 13 | 1.2 | 22.94 | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 38  | LOW  | 21.64 | 27.79 | 6.15 | 13 | 1.2 | 22.84 | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 38  | MID  | 21.64 | 27.77 | 6.13 | 13 | 1.2 | 22.84 | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 38  | HIGH | 21.64 | 27.79 | 6.15 | 13 | 1.2 | 22.84 | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 1   | LOW  | 22.59 | 27.44 | 4.85 | 13 | 1.2 | 23.79 | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 1   | MID  | 22.54 | 27.32 | 4.78 | 13 | 1.2 | 23.74 | 33 | Pass |
| Band41 | 15 | 2647.5 | QPSK  | 1   | HIGH | 22.51 | 27.4  | 4.89 | 13 | 1.2 | 23.71 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 75  | LOW  | 20.63 | 28    | 7.37 | 13 | 1.2 | 21.83 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 38  | LOW  | 20.67 | 28.08 | 7.41 | 13 | 1.2 | 21.87 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 38  | MID  | 20.67 | 28.09 | 7.42 | 13 | 1.2 | 21.87 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 38  | HIGH | 20.68 | 28.09 | 7.41 | 13 | 1.2 | 21.88 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 1   | LOW  | 21.84 | 27.39 | 5.55 | 13 | 1.2 | 23.04 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 1   | MID  | 21.74 | 27.28 | 5.54 | 13 | 1.2 | 22.94 | 33 | Pass |
| Band41 | 15 | 2647.5 | 16QAM | 1   | HIGH | 21.75 | 27.24 | 5.49 | 13 | 1.2 | 22.95 | 33 | Pass |
| Band41 | 20 | 2565   | QPSK  | 100 | LOW  | 21.44 | 27.27 | 5.83 | 13 | 1.2 | 22.64 | 33 | Pass |
| Band41 | 20 | 2565   | QPSK  | 50  | LOW  | 21.25 | 26.57 | 5.32 | 13 | 1.2 | 22.45 | 33 | Pass |
| Band41 | 20 | 2565   | QPSK  | 50  | MID  | 21.25 | 26.57 | 5.32 | 13 | 1.2 | 22.45 | 33 | Pass |
| Band41 | 20 | 2565   | QPSK  | 50  | HIGH | 21.41 | 27.03 | 5.62 | 13 | 1.2 | 22.61 | 33 | Pass |
| Band41 | 20 | 2565   | QPSK  | 1   | LOW  | 22.2  | 26.49 | 4.29 | 13 | 1.2 | 23.4  | 33 | Pass |
| Band41 | 20 | 2565   | QPSK  | 1   | MID  | 22.62 | 26.79 | 4.17 | 13 | 1.2 | 23.82 | 33 | Pass |

|        |    |      |       |     |      |       |       |      |    |     |       |    |      |
|--------|----|------|-------|-----|------|-------|-------|------|----|-----|-------|----|------|
| Band41 | 20 | 2565 | QPSK  | 1   | HIGH | 22.31 | 26.98 | 4.67 | 13 | 1.2 | 23.51 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 100 | LOW  | 20.37 | 27.32 | 6.95 | 13 | 1.2 | 21.57 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 50  | LOW  | 20.42 | 26.77 | 6.35 | 13 | 1.2 | 21.62 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 50  | MID  | 20.42 | 26.79 | 6.37 | 13 | 1.2 | 21.62 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 50  | HIGH | 20.53 | 27.16 | 6.63 | 13 | 1.2 | 21.73 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 1   | LOW  | 22.32 | 26.77 | 4.45 | 13 | 1.2 | 23.52 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 1   | MID  | 22.18 | 26.66 | 4.48 | 13 | 1.2 | 23.38 | 33 | Pass |
| Band41 | 20 | 2565 | 16QAM | 1   | HIGH | 22.11 | 27.09 | 4.98 | 13 | 1.2 | 23.31 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 100 | LOW  | 21.62 | 28.13 | 6.51 | 13 | 1.2 | 22.82 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 50  | LOW  | 21.59 | 27.72 | 6.13 | 13 | 1.2 | 22.79 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 50  | MID  | 21.59 | 27.72 | 6.13 | 13 | 1.2 | 22.79 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 50  | HIGH | 21.73 | 27.8  | 6.07 | 13 | 1.2 | 22.93 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 1   | LOW  | 22.55 | 27.54 | 4.99 | 13 | 1.2 | 23.75 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 1   | MID  | 22.94 | 27.74 | 4.8  | 13 | 1.2 | 24.14 | 33 | Pass |
| Band41 | 20 | 2593 | QPSK  | 1   | HIGH | 22.6  | 27.51 | 4.91 | 13 | 1.2 | 23.8  | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 100 | LOW  | 20.48 | 27.81 | 7.33 | 13 | 1.2 | 21.68 | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 50  | LOW  | 20.62 | 27.9  | 7.28 | 13 | 1.2 | 21.82 | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 50  | MID  | 20.54 | 27.84 | 7.3  | 13 | 1.2 | 21.74 | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 50  | HIGH | 20.66 | 27.79 | 7.13 | 13 | 1.2 | 21.86 | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 1   | LOW  | 21.3  | 27.38 | 6.08 | 13 | 1.2 | 22.5  | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 1   | MID  | 21.27 | 27.16 | 5.89 | 13 | 1.2 | 22.47 | 33 | Pass |
| Band41 | 20 | 2593 | 16QAM | 1   | HIGH | 21.45 | 27.33 | 5.88 | 13 | 1.2 | 22.65 | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 100 | LOW  | 21.88 | 27.9  | 6.02 | 13 | 1.2 | 23.08 | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 50  | LOW  | 21.7  | 27.48 | 5.78 | 13 | 1.2 | 22.9  | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 50  | MID  | 21.71 | 27.52 | 5.81 | 13 | 1.2 | 22.91 | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 50  | HIGH | 21.63 | 27.42 | 5.79 | 13 | 1.2 | 22.83 | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 1   | LOW  | 22.75 | 27.39 | 4.64 | 13 | 1.2 | 23.95 | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 1   | MID  | 22.7  | 27.41 | 4.71 | 13 | 1.2 | 23.9  | 33 | Pass |
| Band41 | 20 | 2645 | QPSK  | 1   | HIGH | 22.64 | 27.48 | 4.84 | 13 | 1.2 | 23.84 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 100 | LOW  | 20.63 | 27.71 | 7.08 | 13 | 1.2 | 21.83 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 50  | LOW  | 20.76 | 27.61 | 6.85 | 13 | 1.2 | 21.96 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 50  | MID  | 20.69 | 27.64 | 6.95 | 13 | 1.2 | 21.89 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 50  | HIGH | 20.65 | 27.5  | 6.85 | 13 | 1.2 | 21.85 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 1   | LOW  | 22.61 | 27.5  | 4.89 | 13 | 1.2 | 23.81 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 1   | MID  | 22.58 | 27.48 | 4.9  | 13 | 1.2 | 23.78 | 33 | Pass |
| Band41 | 20 | 2645 | 16QAM | 1   | HIGH | 22.44 | 27.46 | 5.02 | 13 | 1.2 | 23.64 | 33 | Pass |