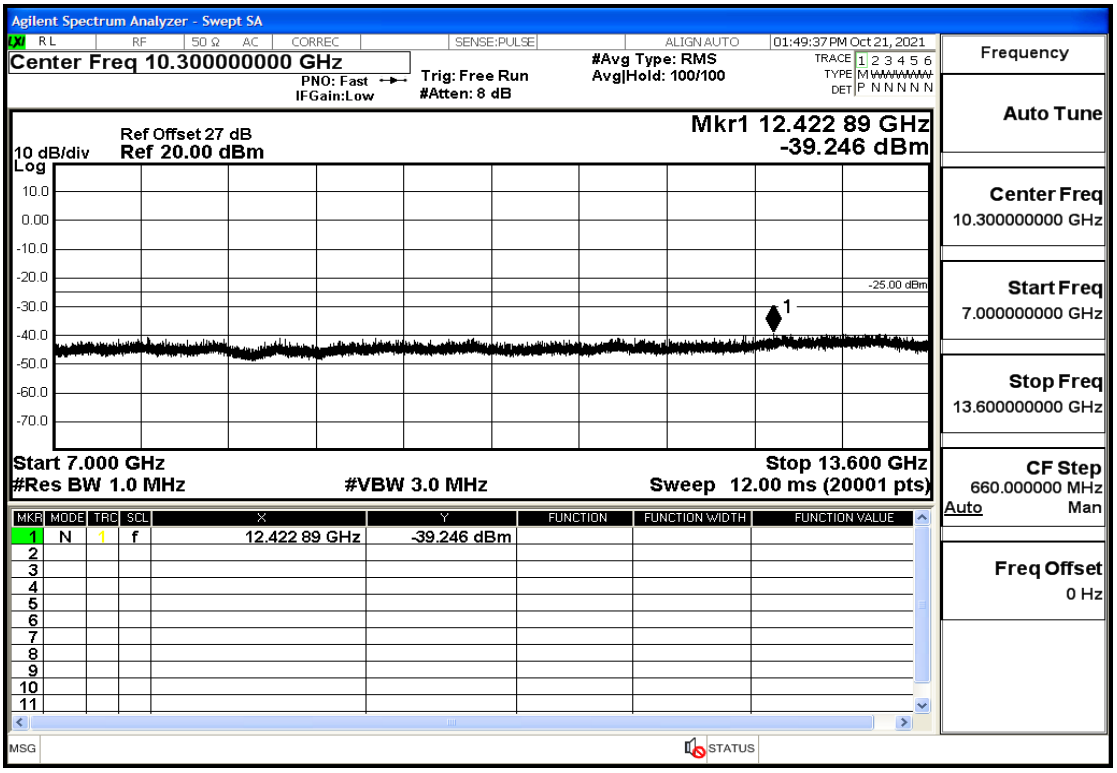
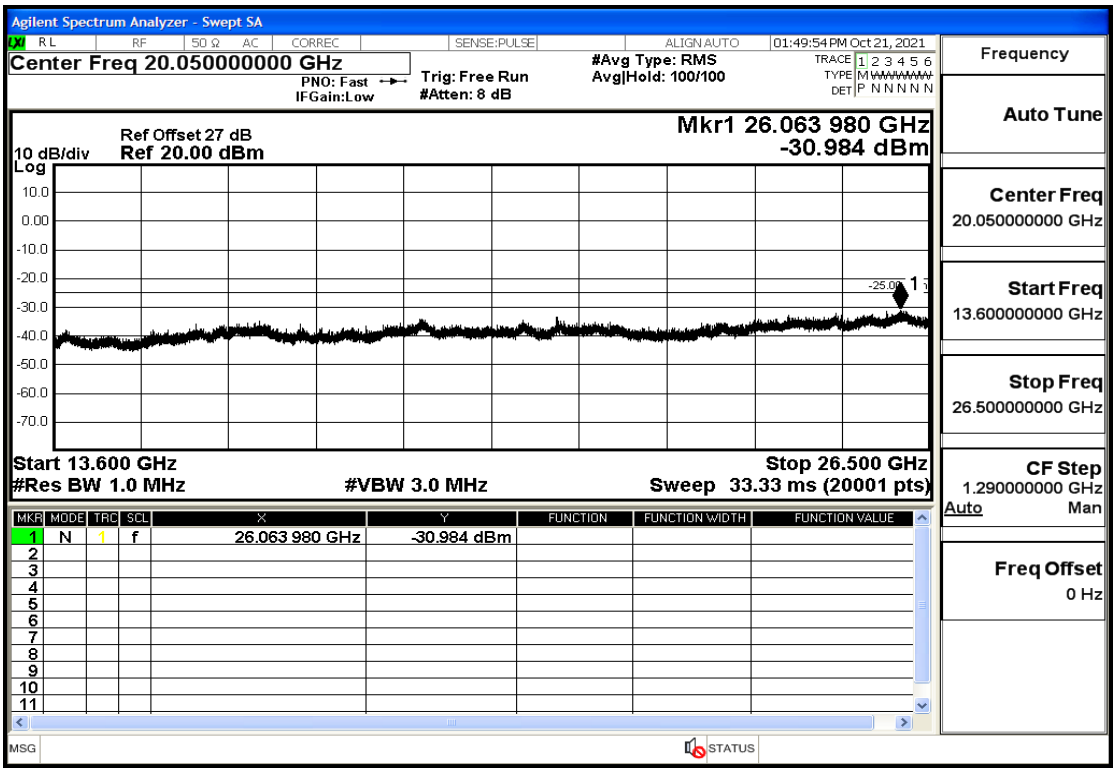
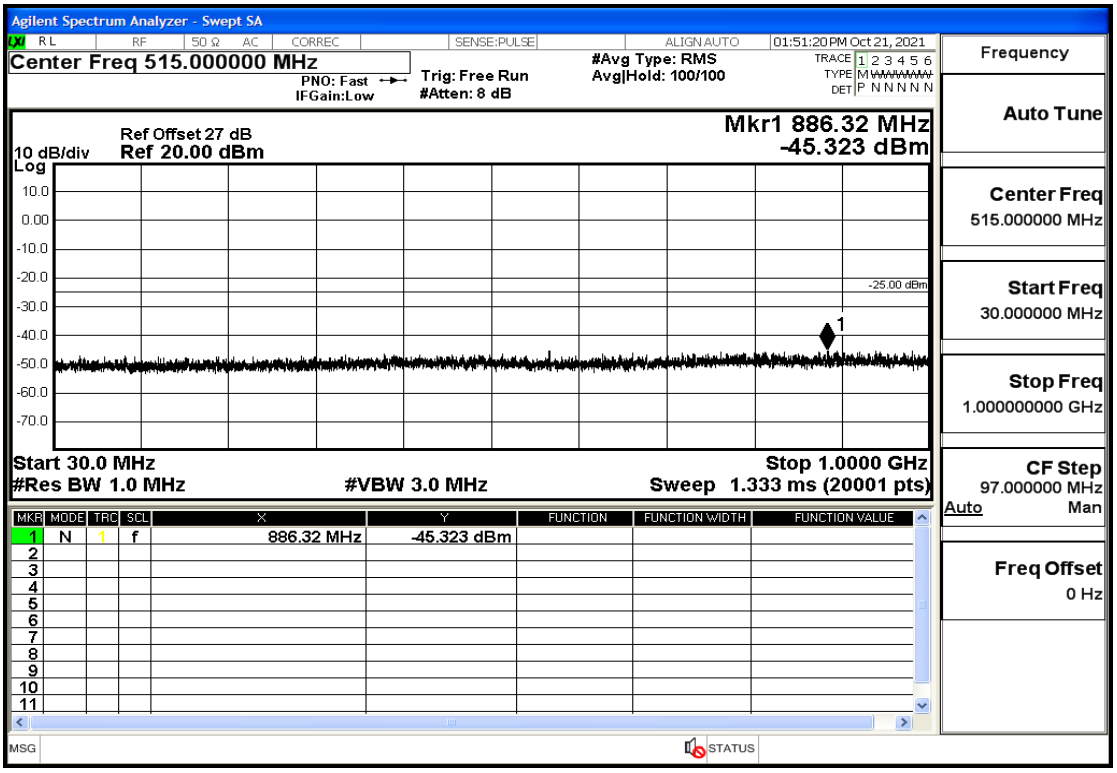
OB7-15-2507.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



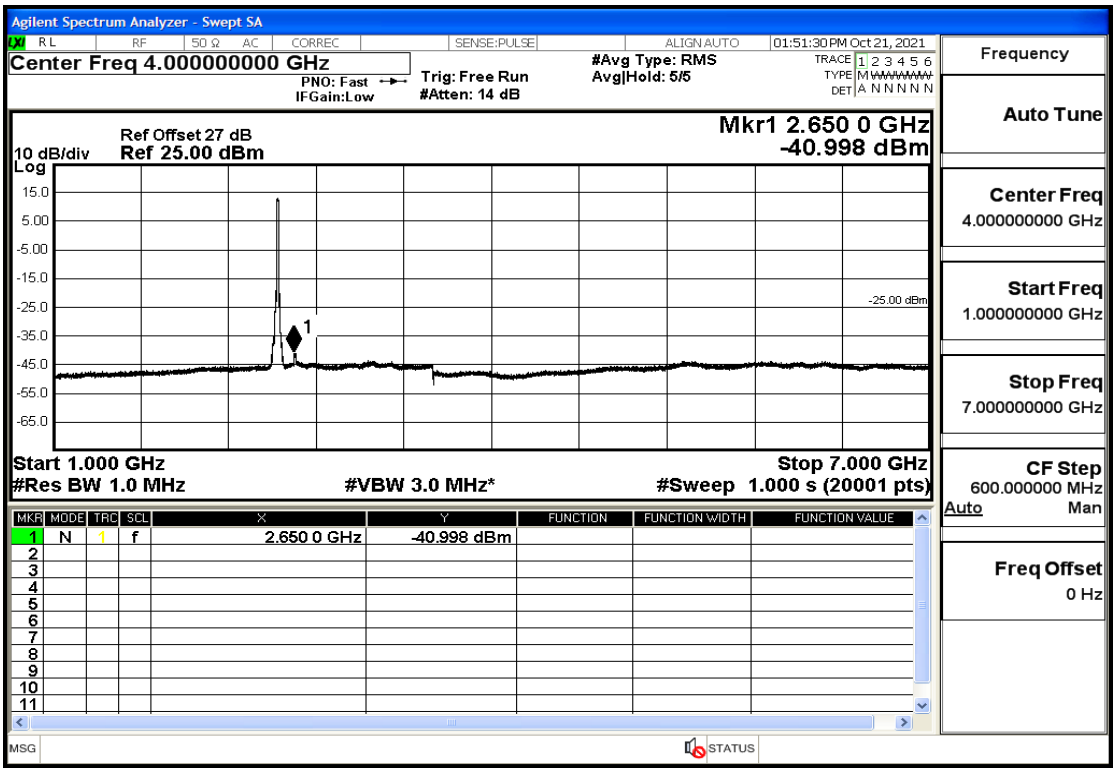

OB7-15-2507.5-QPSK-1#HIGH@13.6GHz-26.5GHz@Pass



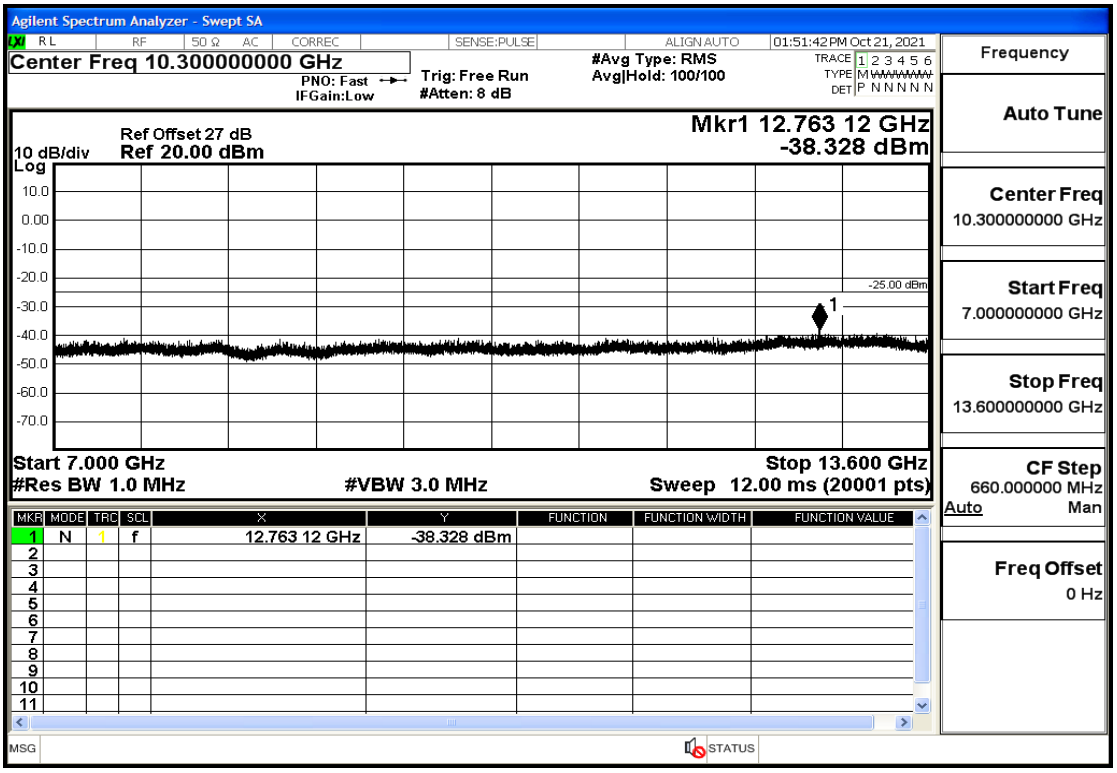
OB7-15-2535-QPSK-75#LOW@30mHz-1GHz@Pass



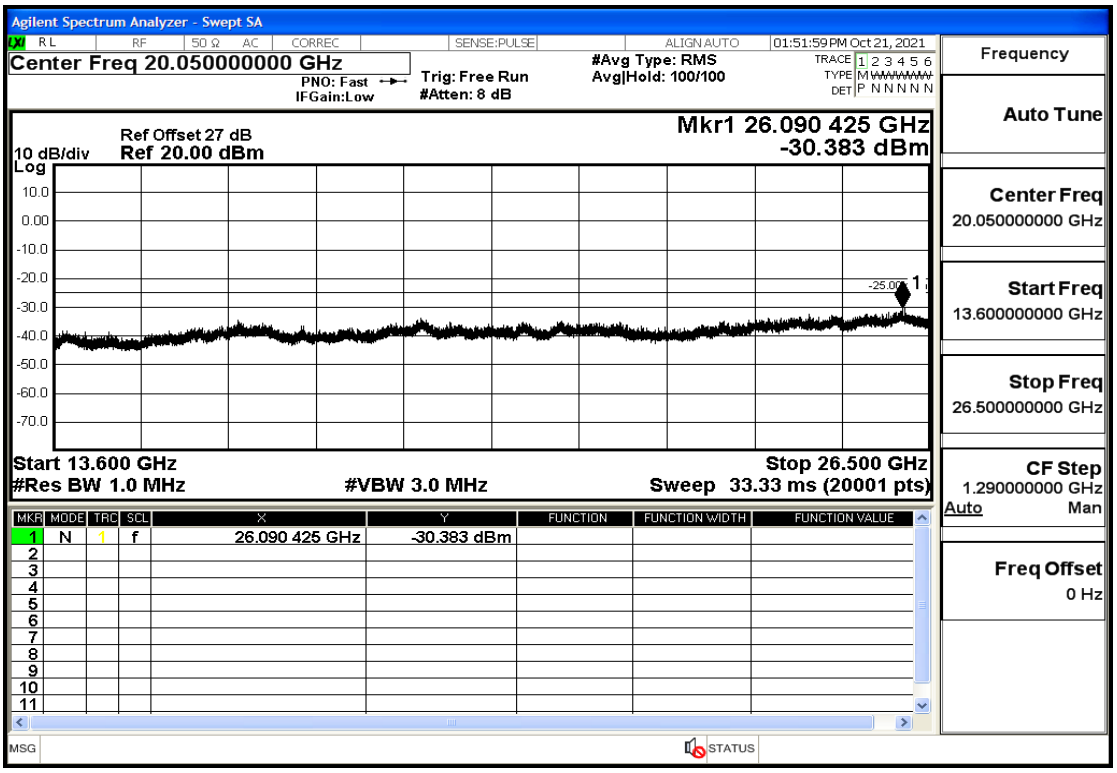

OB7-15-2535-QPSK-75#LOW@1GHz-7GHz@Pass



OB7-15-2535-QPSK-75#LOW@7GHz-13.6GHz@Pass




OB7-15-2535-QPSK-75#LOW@13.6GHz-26.5GHz@Pass



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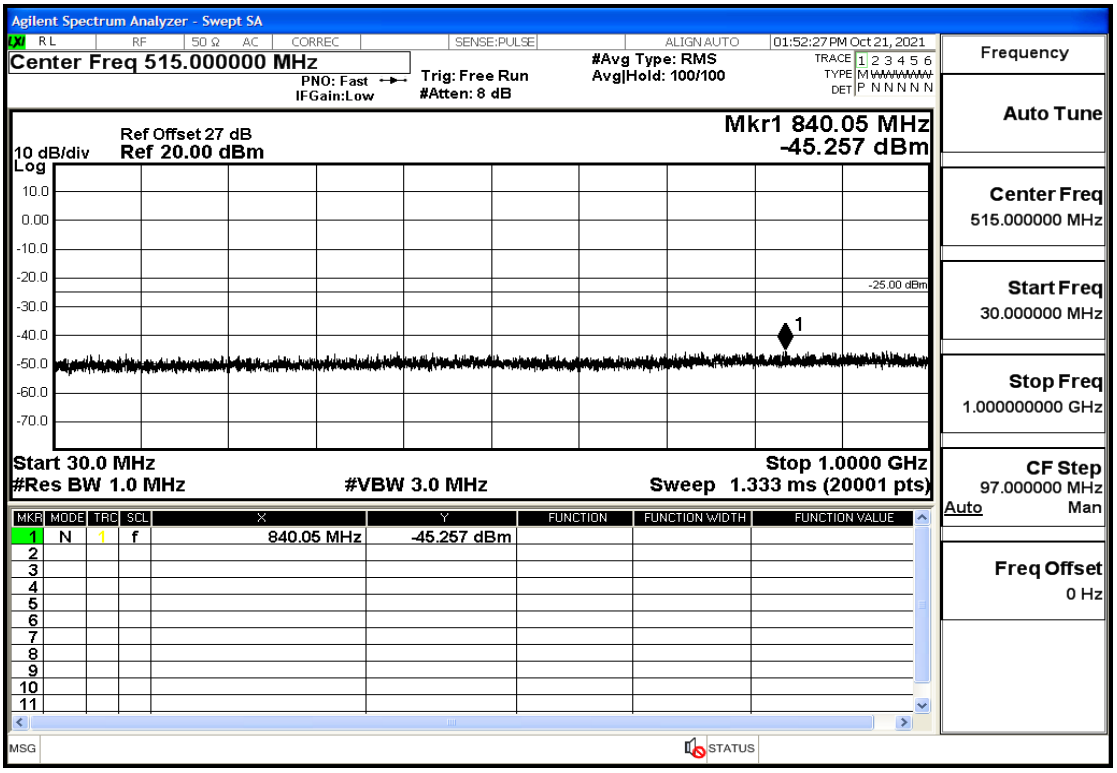
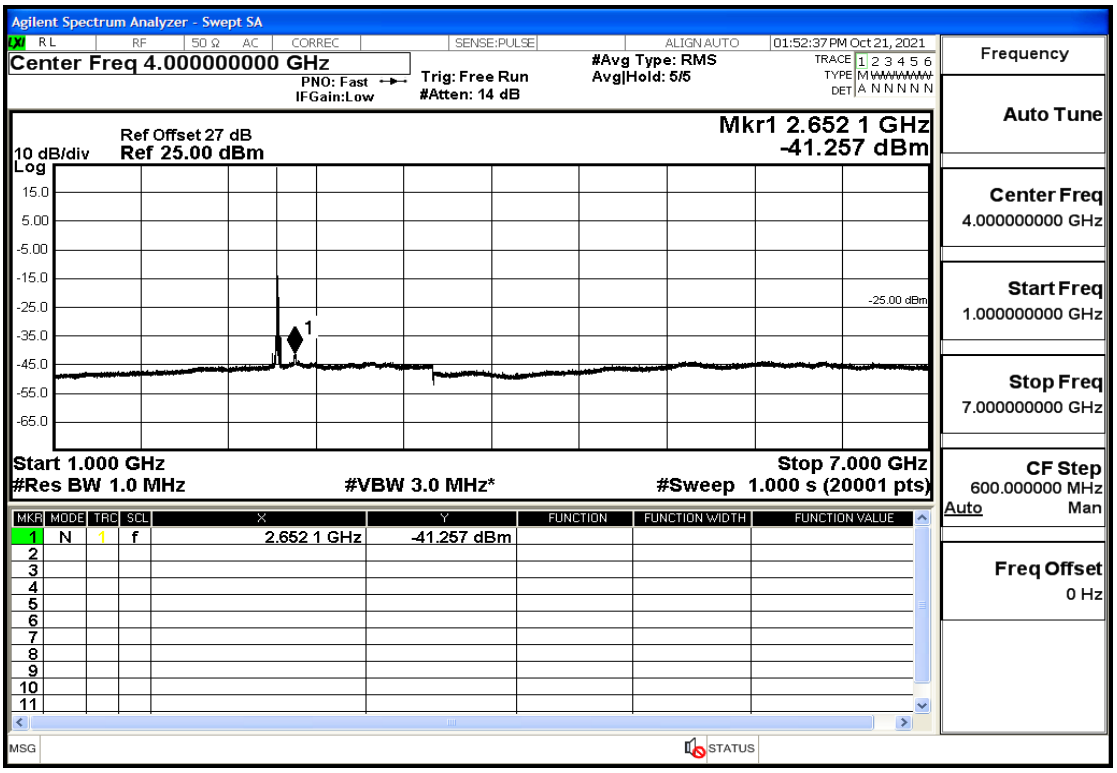
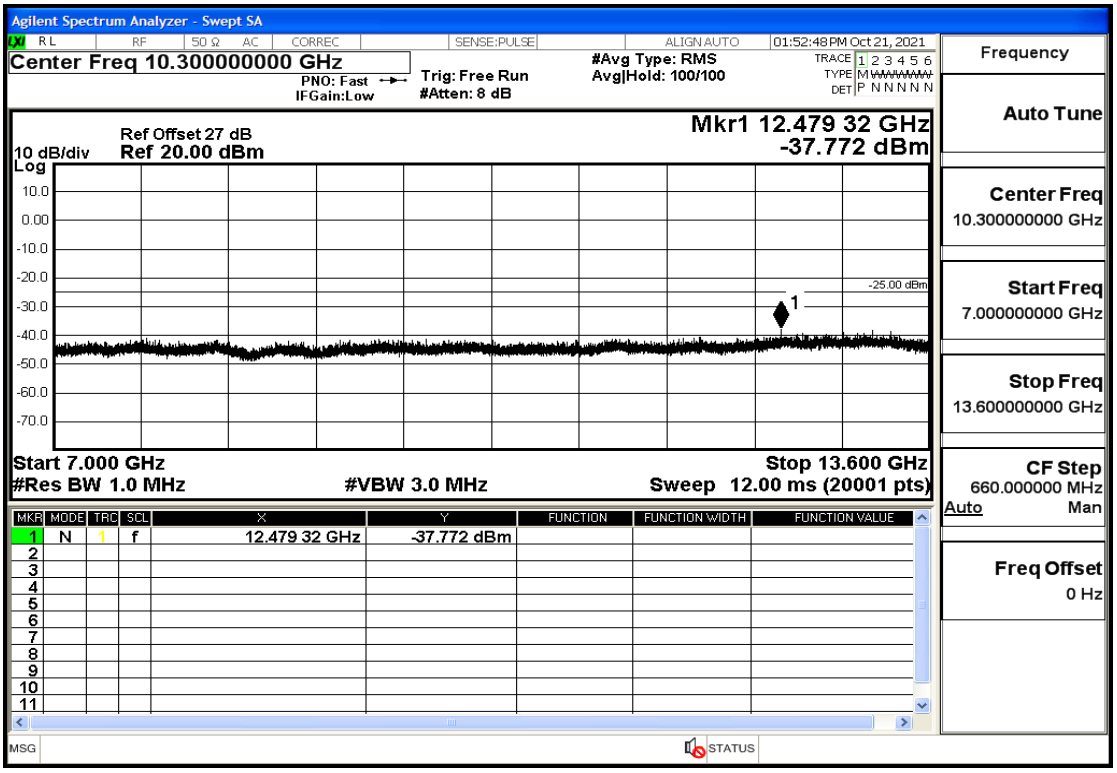


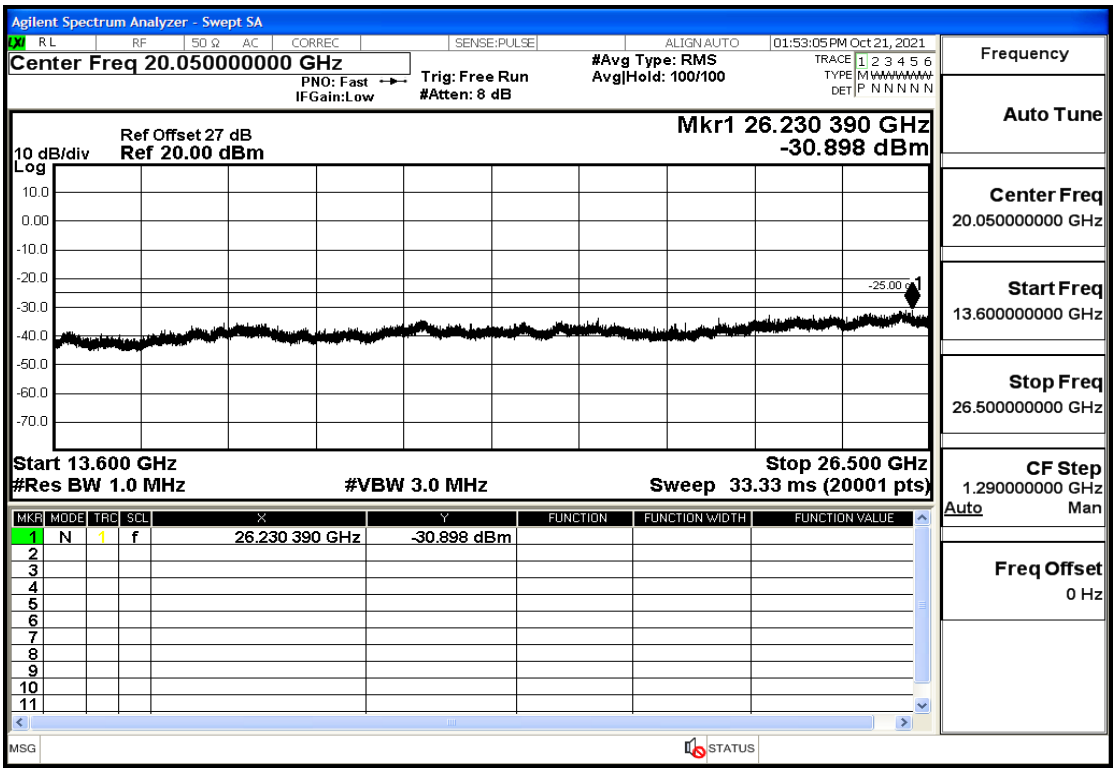

OB7-15-2535-QPSK-1#LOW@1GHz-7GHz@Pass



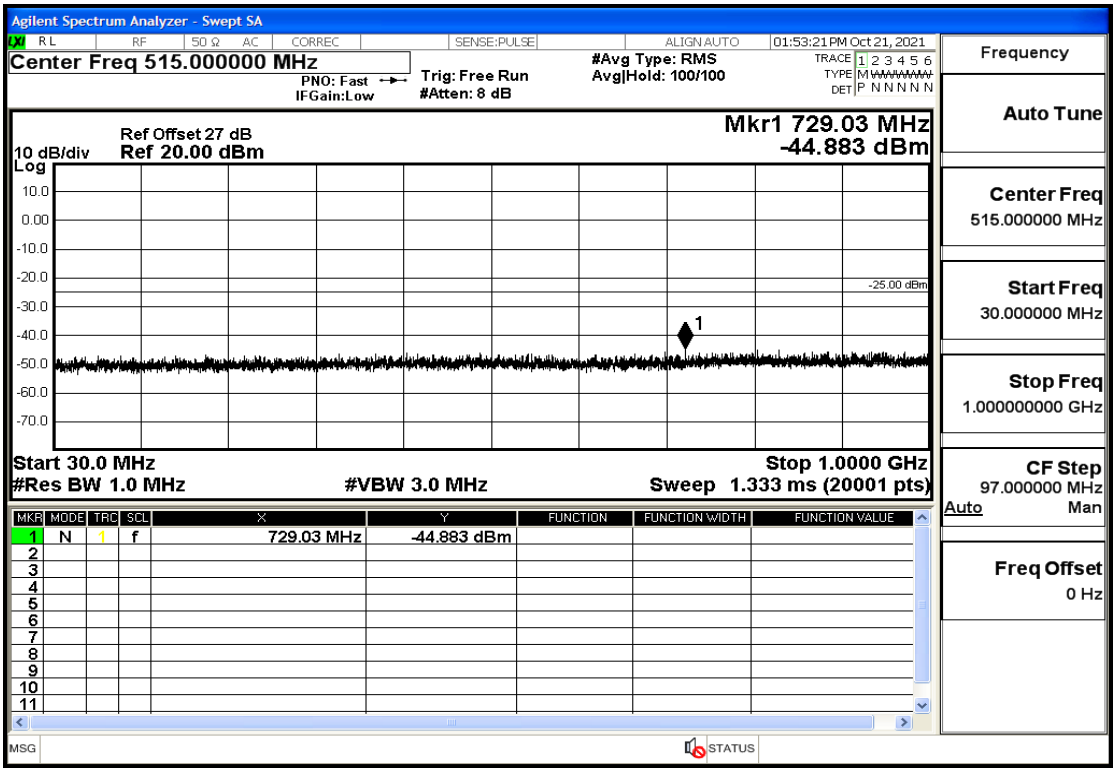
OB7-15-2535-QPSK-1#LOW@7GHz-13.6GHz@Pass



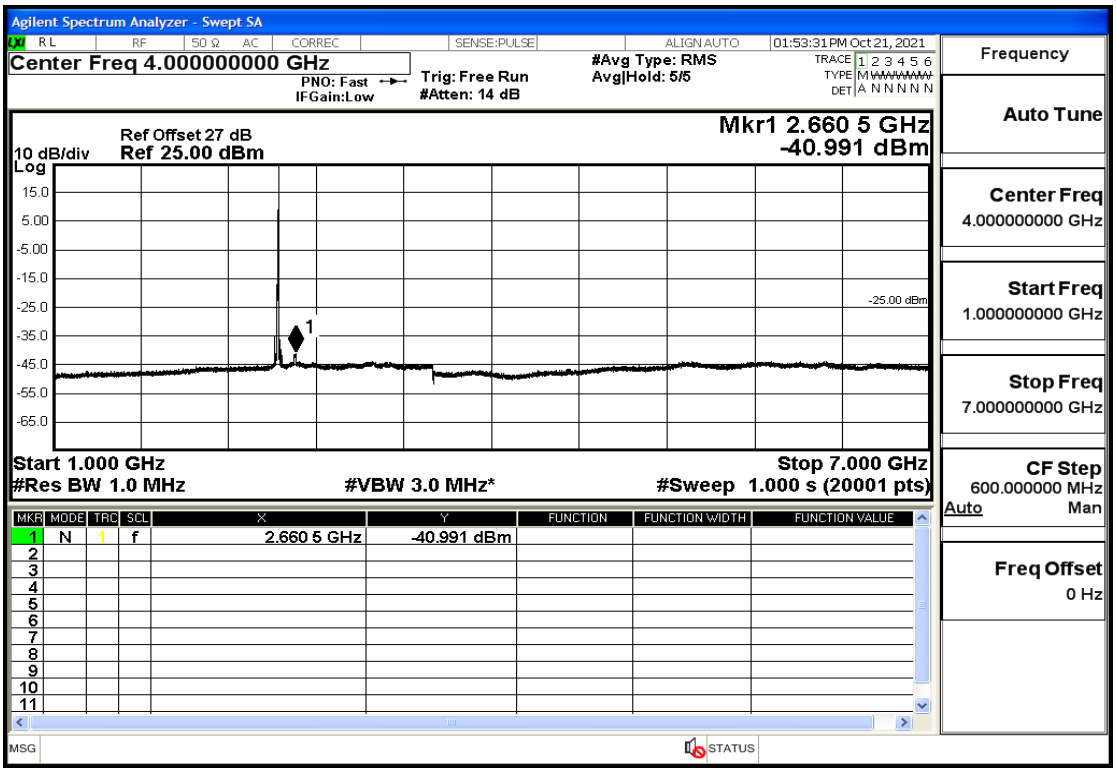

OB7-15-2535-QPSK-1#LOW@13.6GHz-26.5GHz@Pass



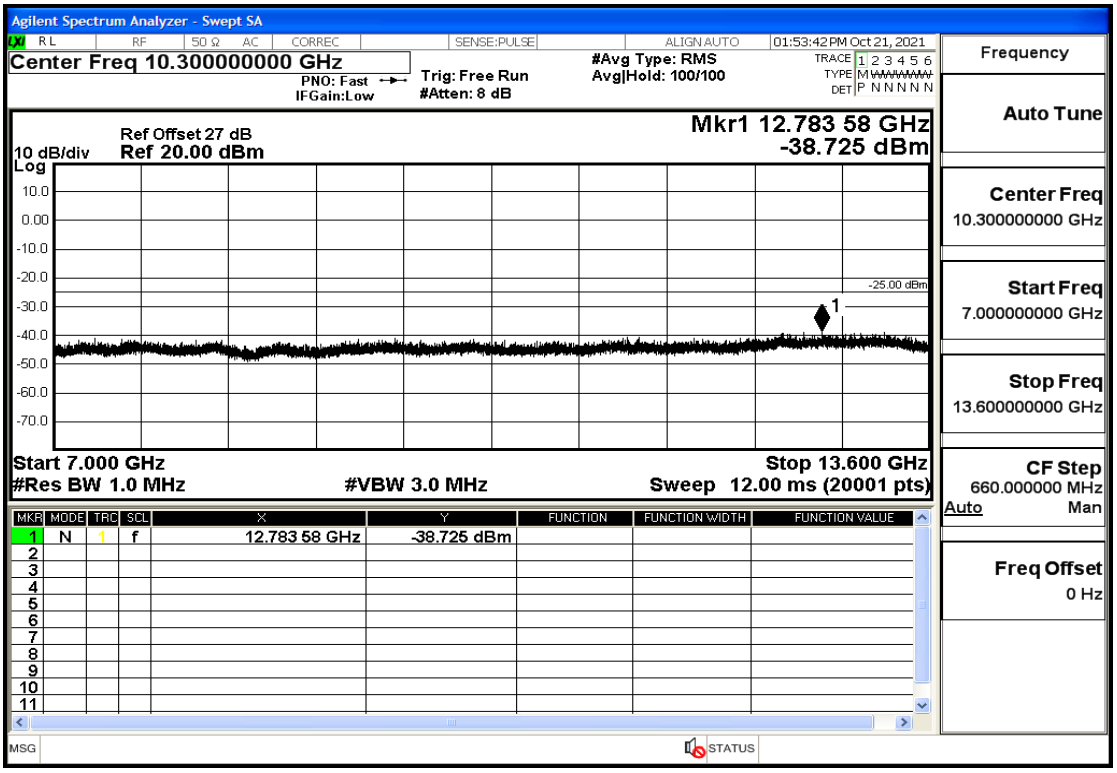
OB7-15-2535-QPSK-1#HIGH@30mHz-1GHz@Pass



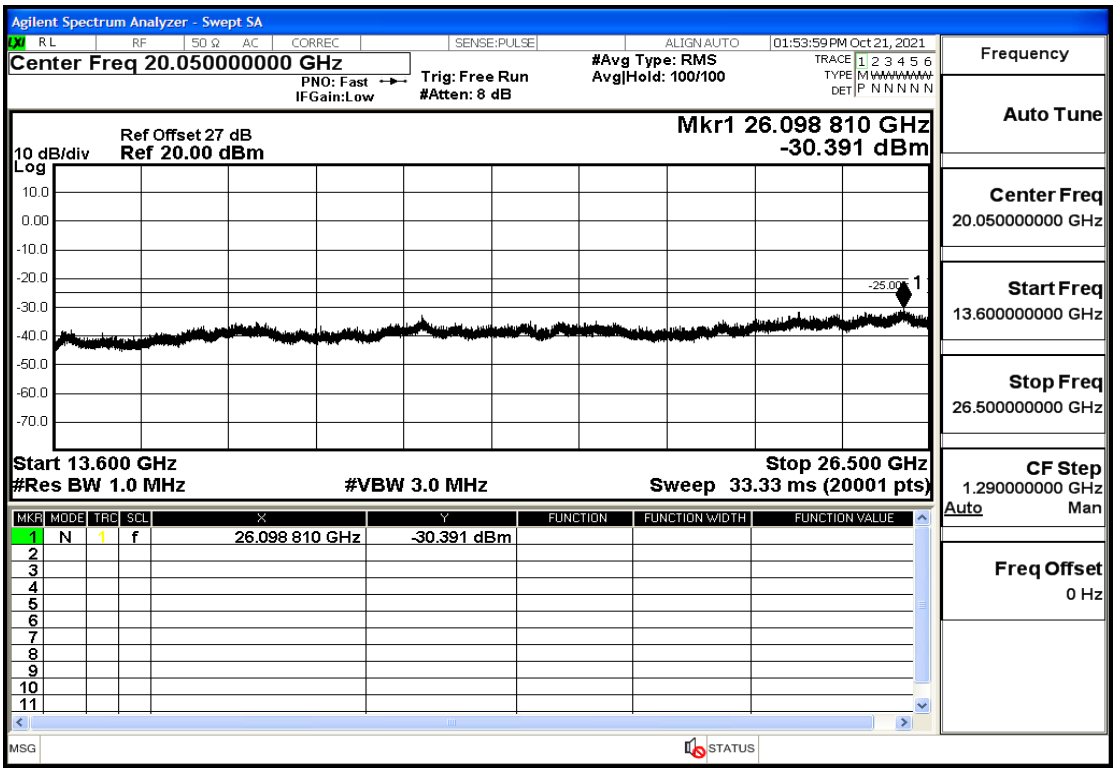

OB7-15-2535-QPSK-1#HIGH@1GHz-7GHz@Pass



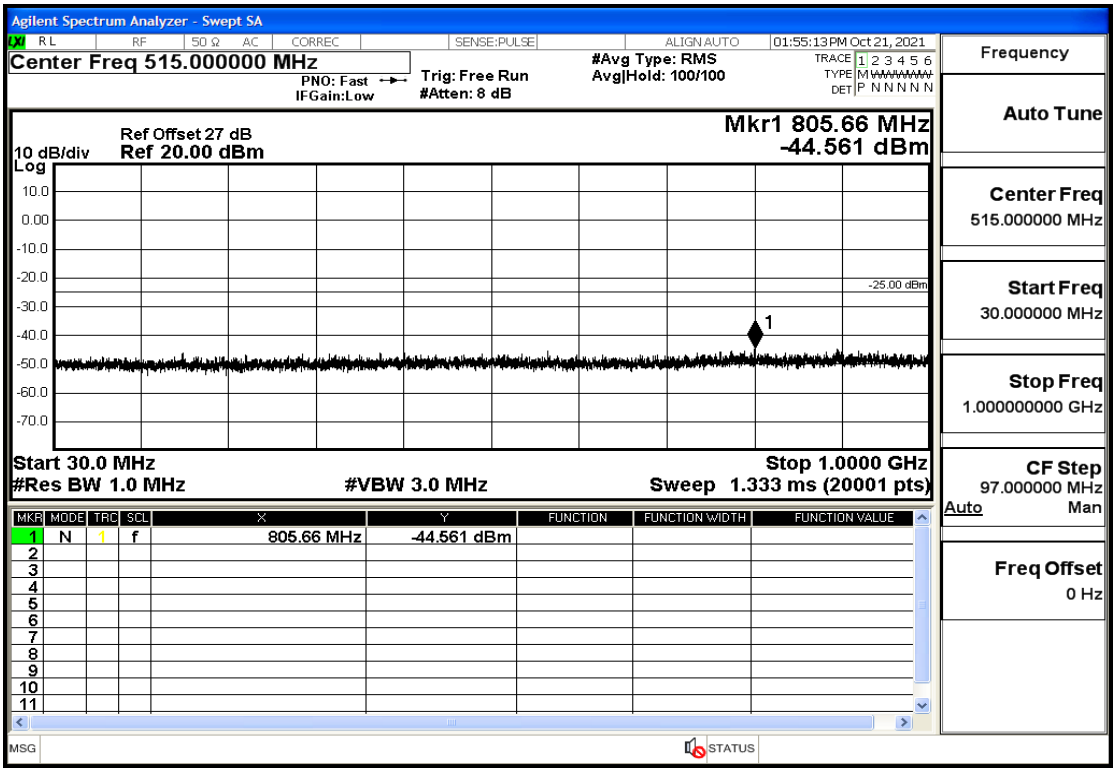
OB7-15-2535-QPSK-1#HIGH@7GHz-13.6GHz@Pass



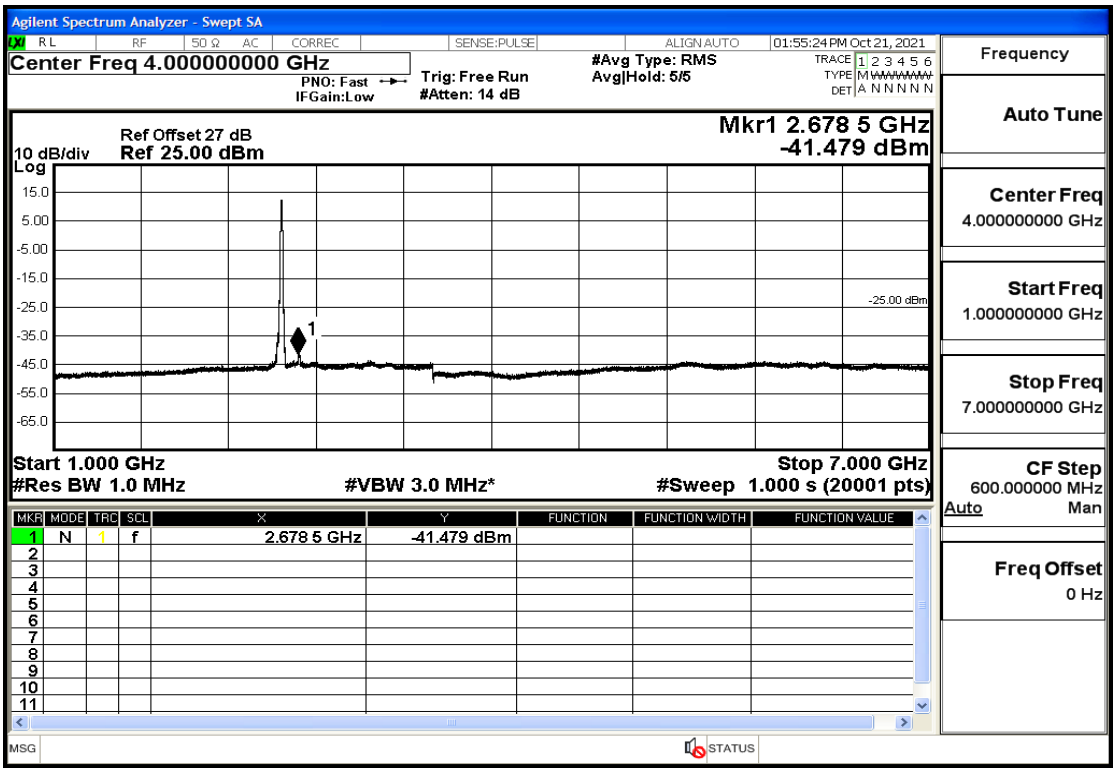

OB7-15-2535-QPSK-1#HIGH@13.6GHz-26.5GHz@Pass



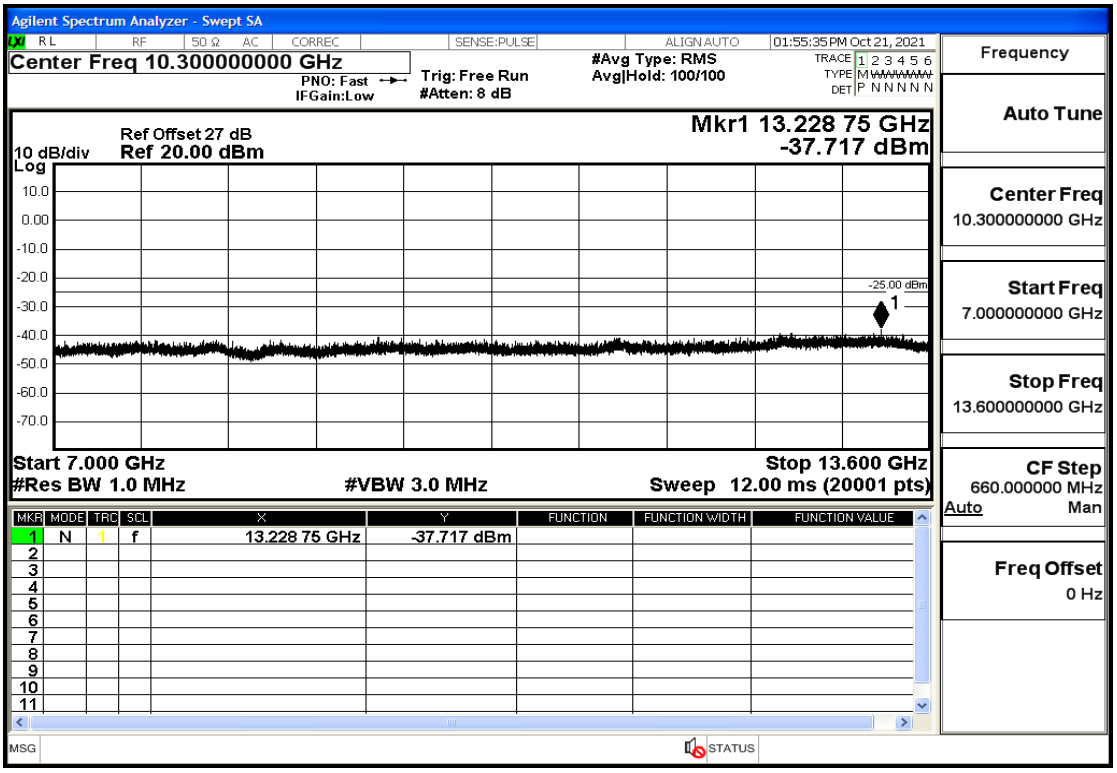
OB7-15-2562.5-QPSK-75#LOW@30mHz-1GHz@Pass



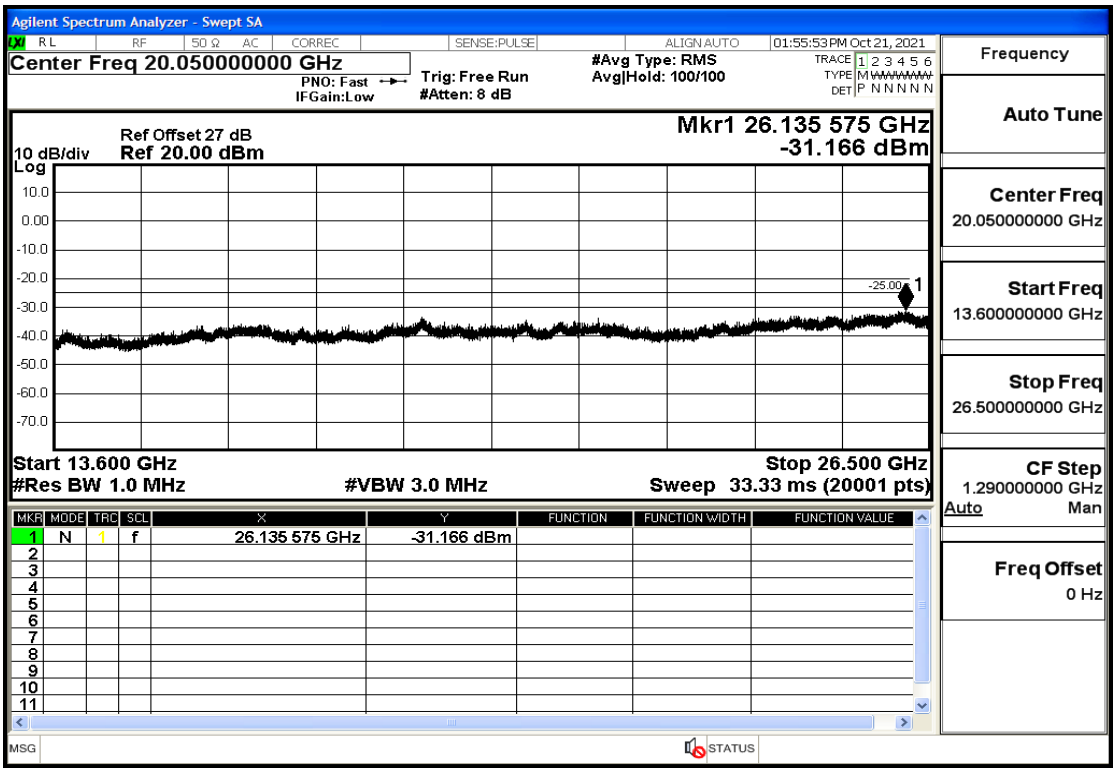

OB7-15-2562.5-QPSK-75#LOW@1GHz-7GHz@Pass



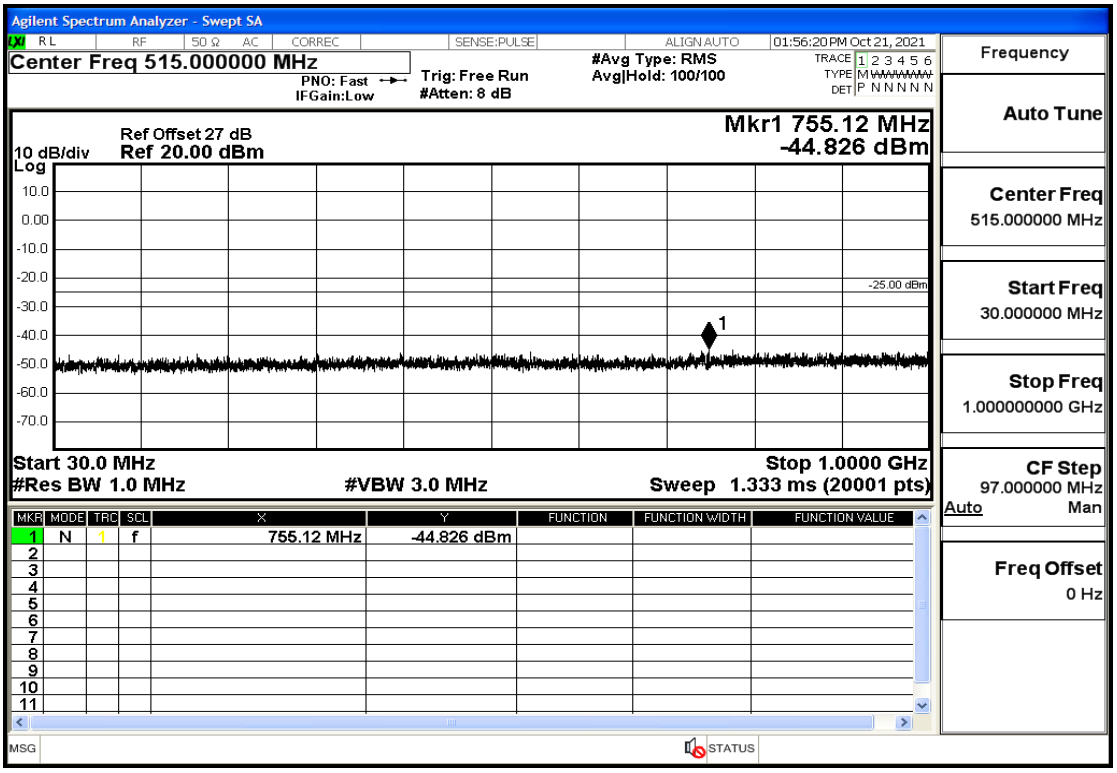
OB7-15-2562.5-QPSK-75#LOW@7GHz-13.6GHz@Pass



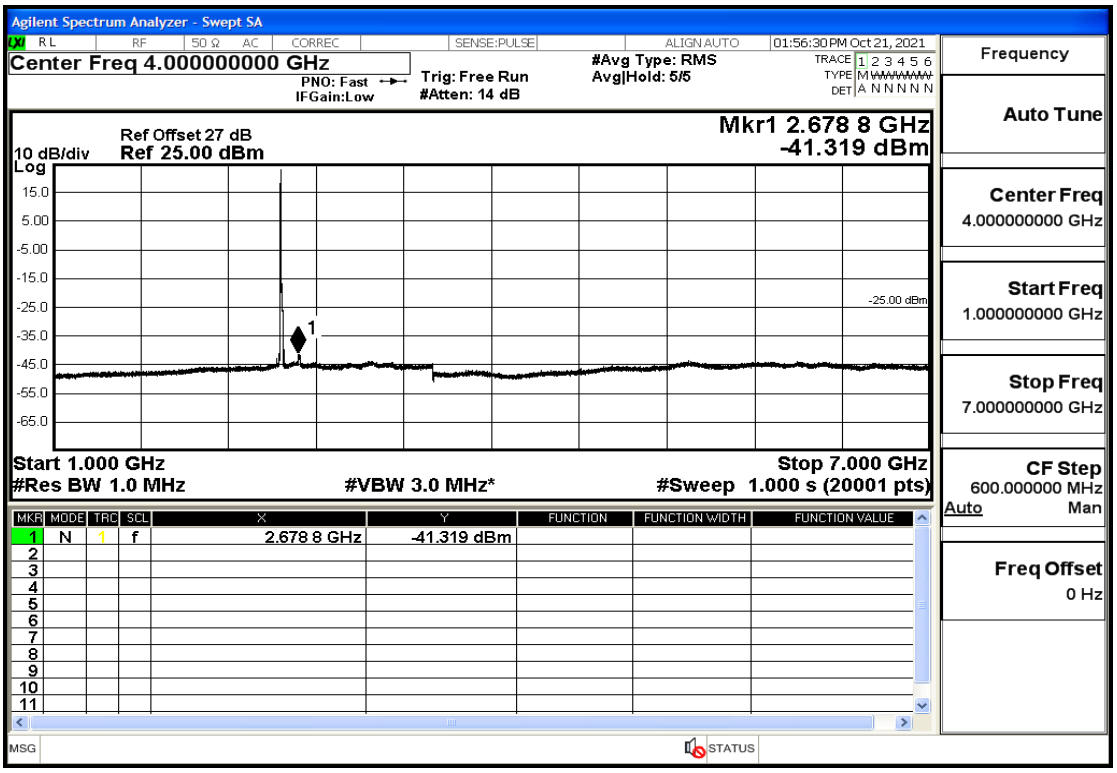

OB7-15-2562.5-QPSK-75#LOW@13.6GHz-26.5GHz@Pass



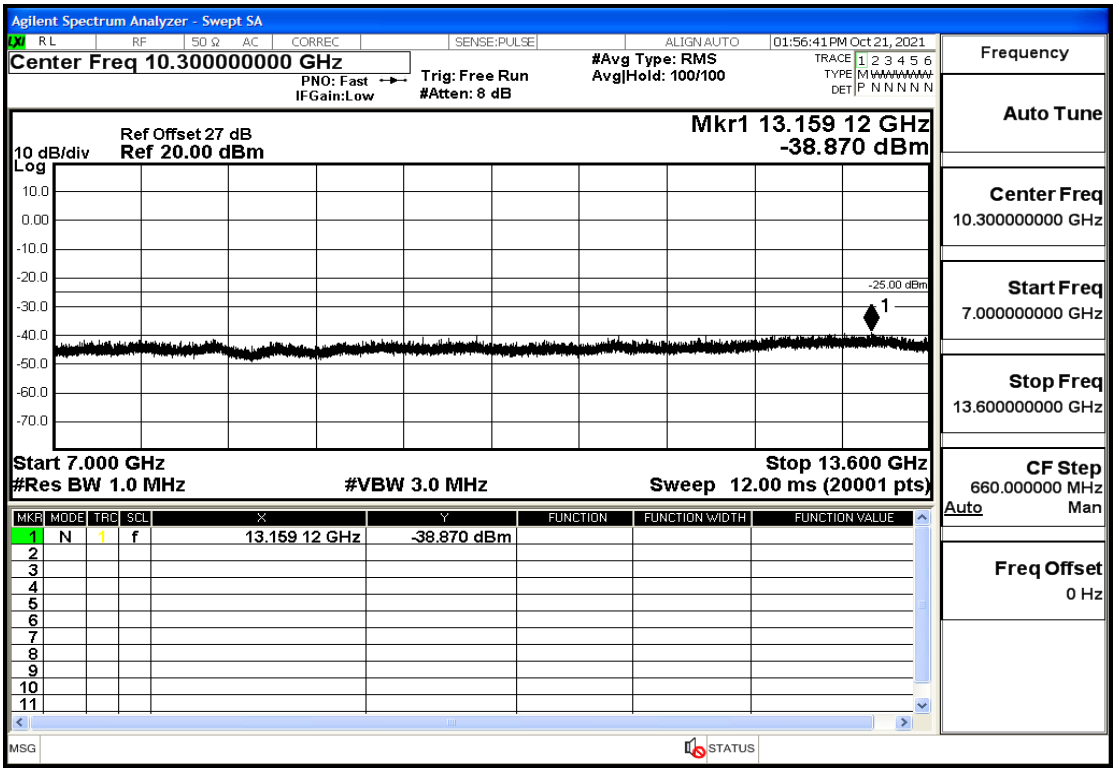
OB7-15-2562.5-QPSK-1#LOW@30mHz-1GHz@Pass



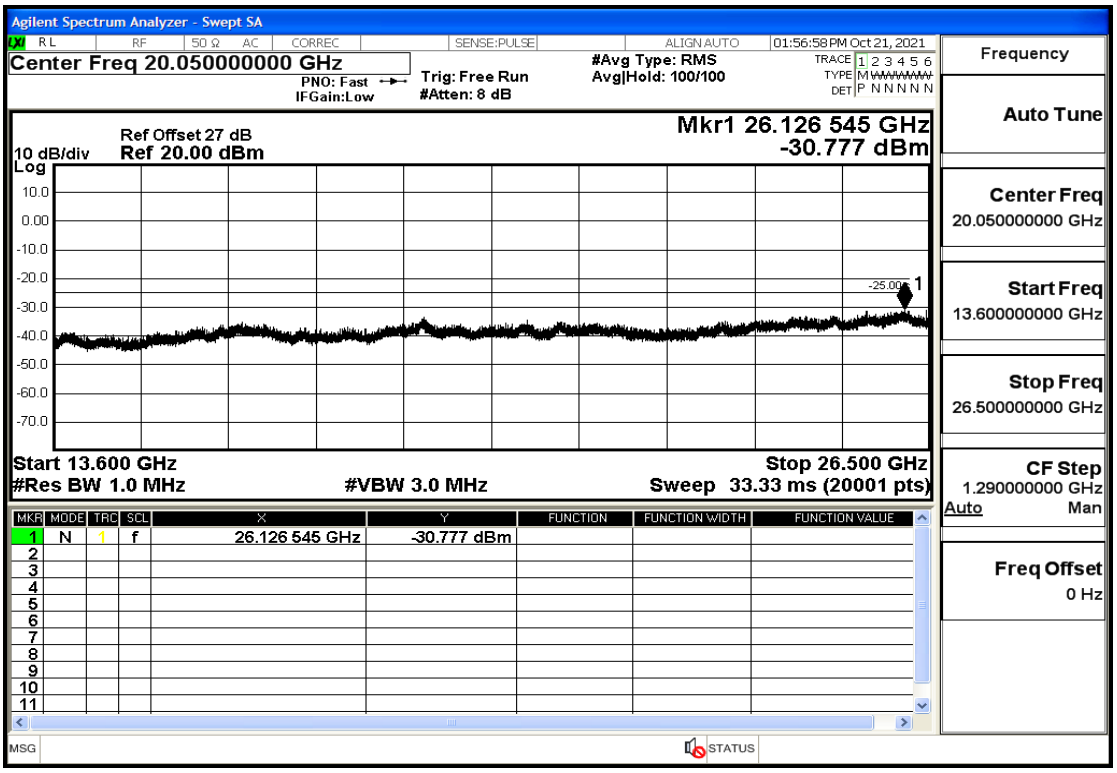

OB7-15-2562.5-QPSK-1#LOW@1GHz-7GHz@Pass



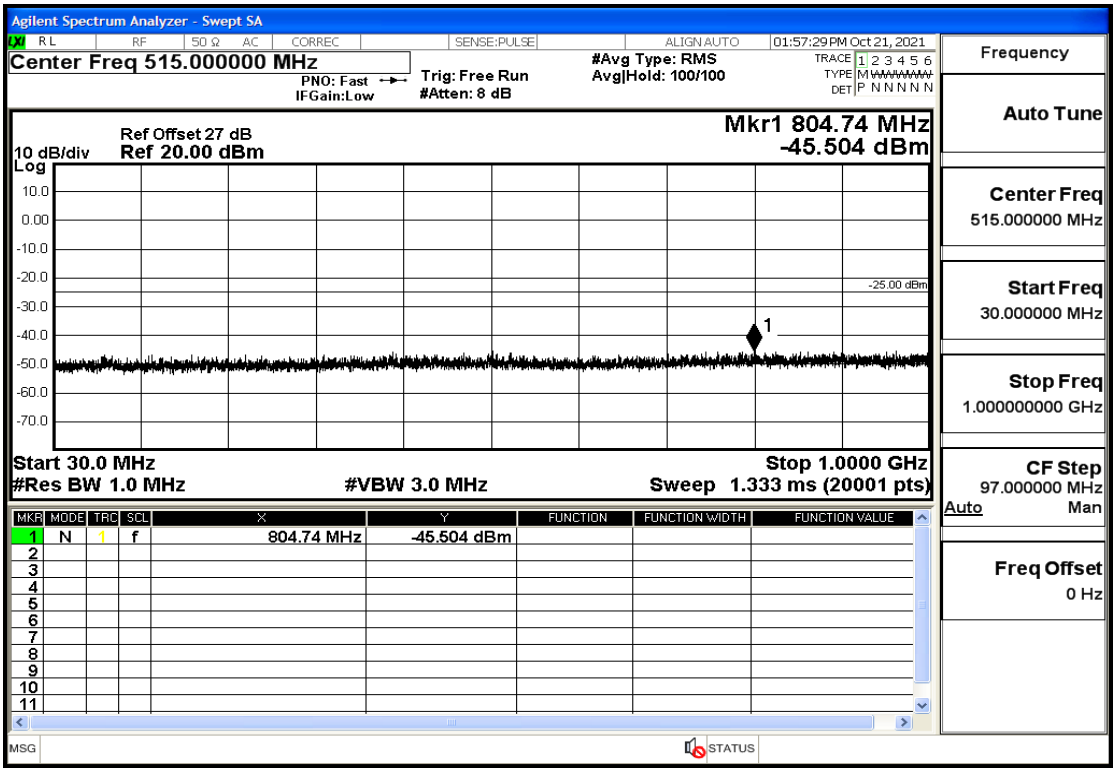
OB7-15-2562.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



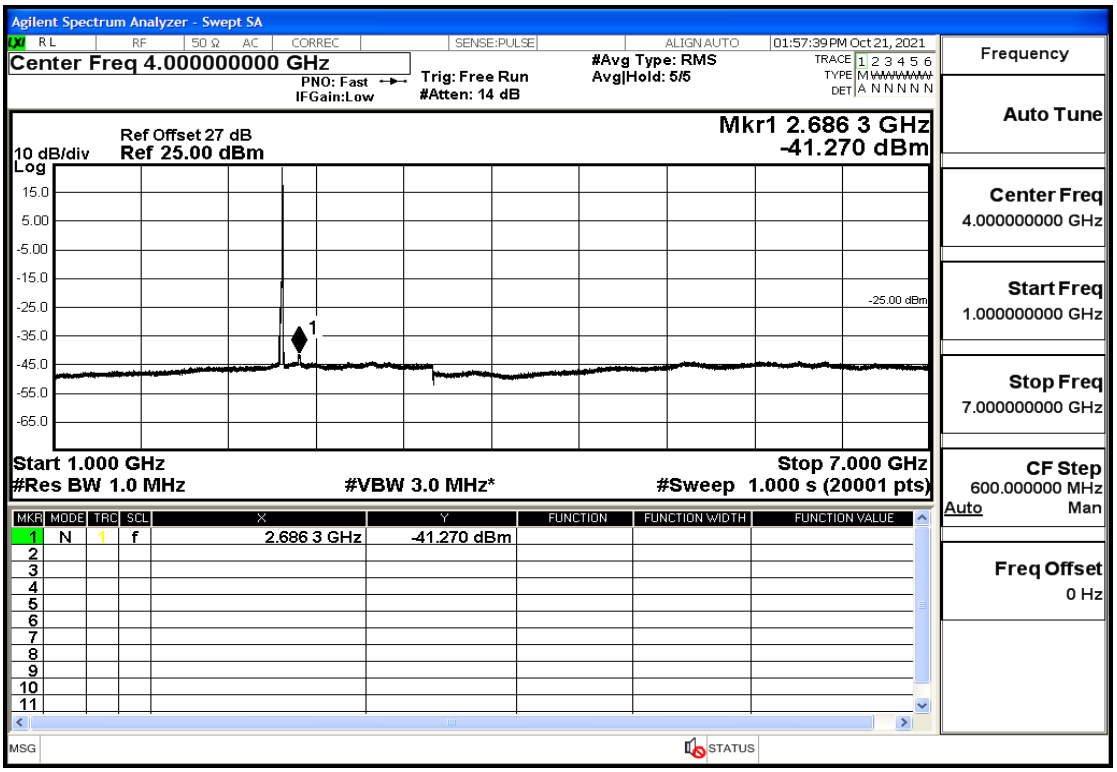

OB7-15-2562.5-QPSK-1#LOW@13.6GHz-26.5GHz@Pass



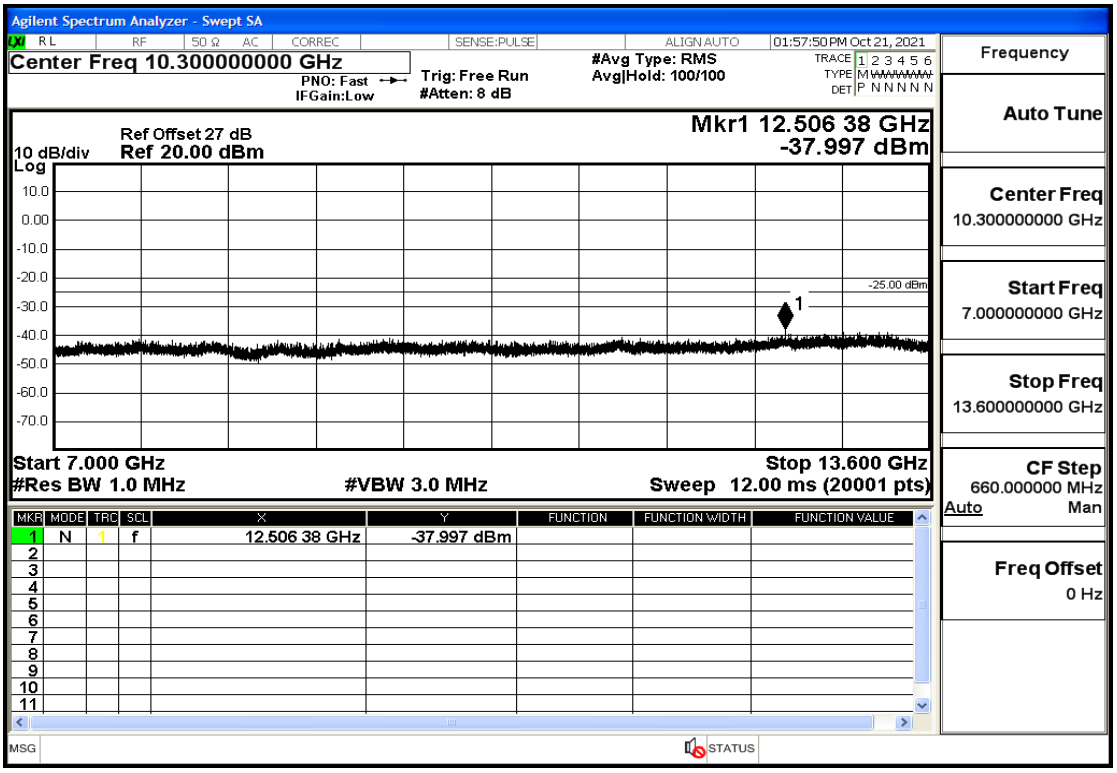
OB7-15-2562.5-QPSK-1#HIGH@30mHz-1GHz@Pass



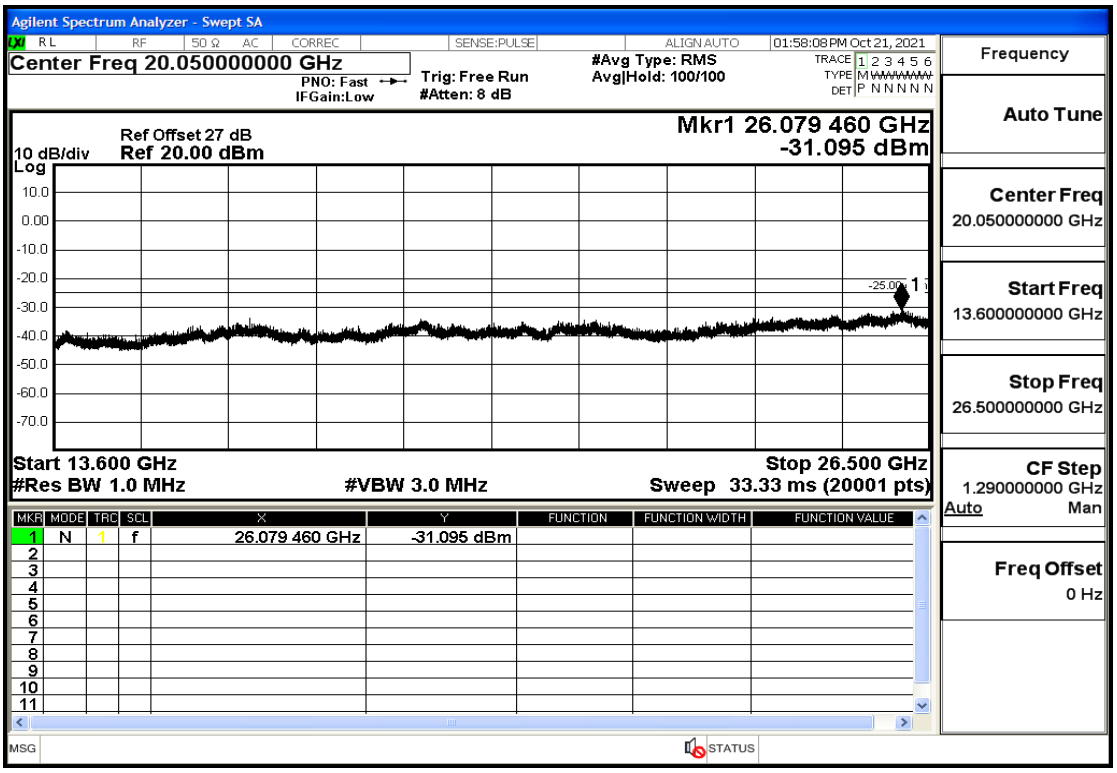

OB7-15-2562.5-QPSK-1#HIGH@1GHz-7GHz@Pass



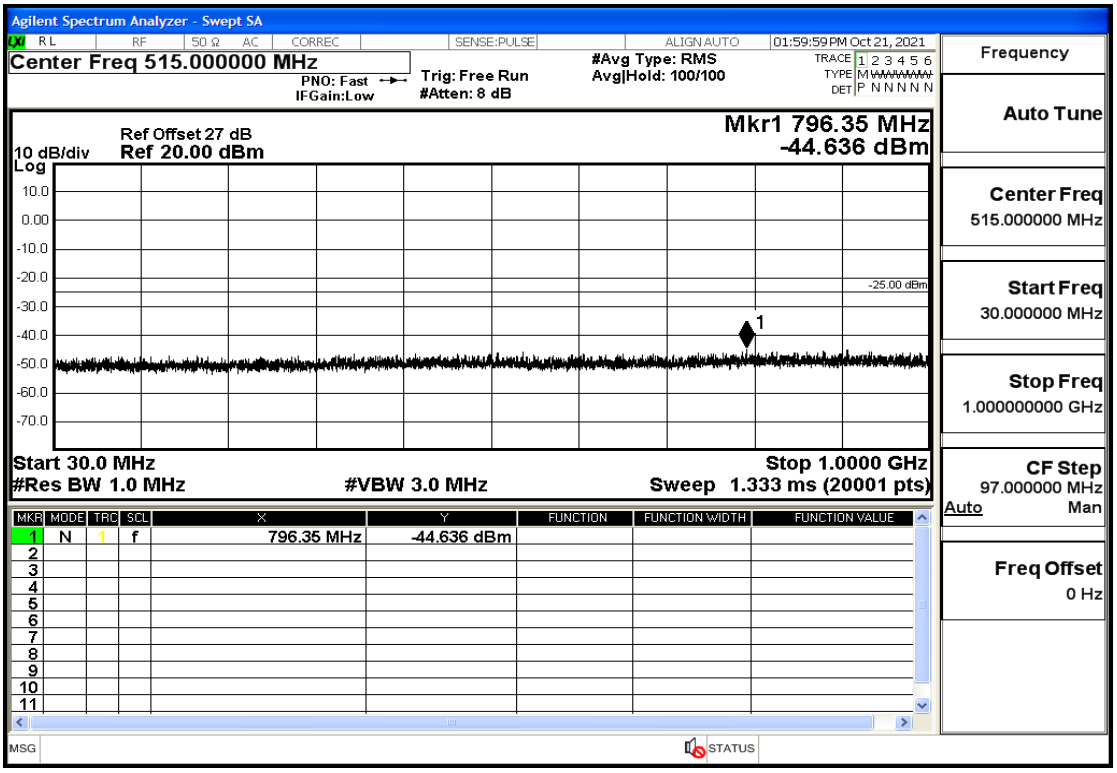
OB7-15-2562.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



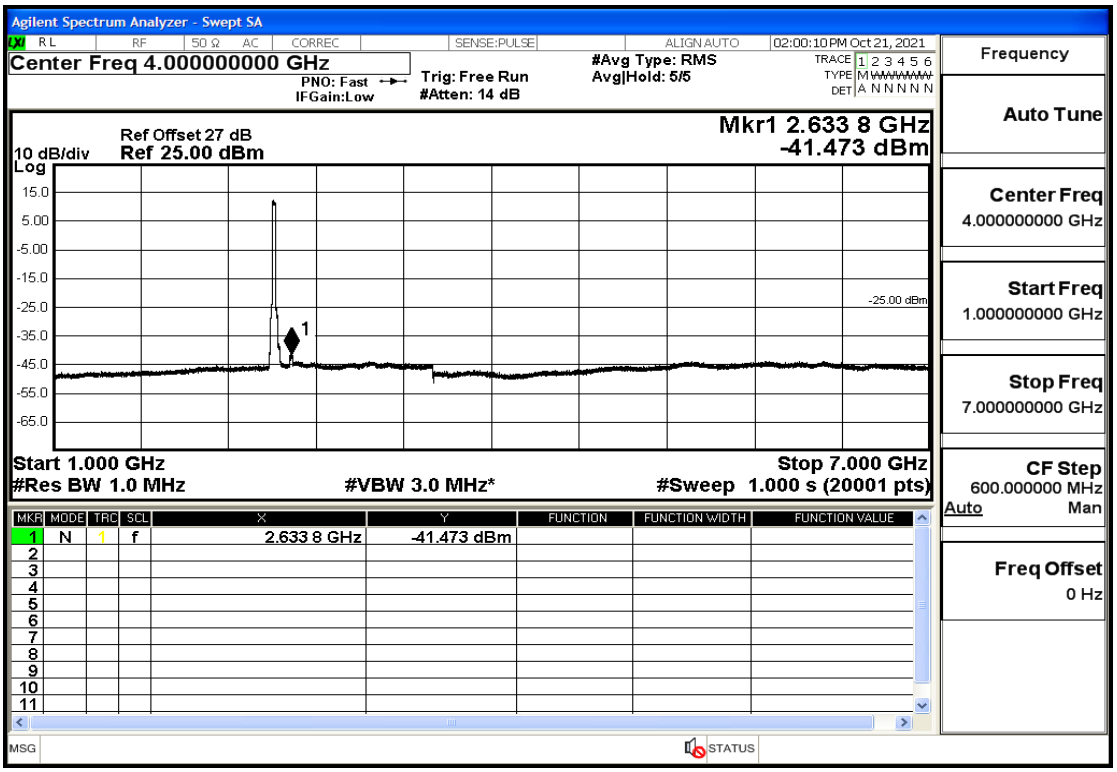

OB7-15-2562.5-QPSK-1#HIGH@13.6GHz-26.5GHz@Pass



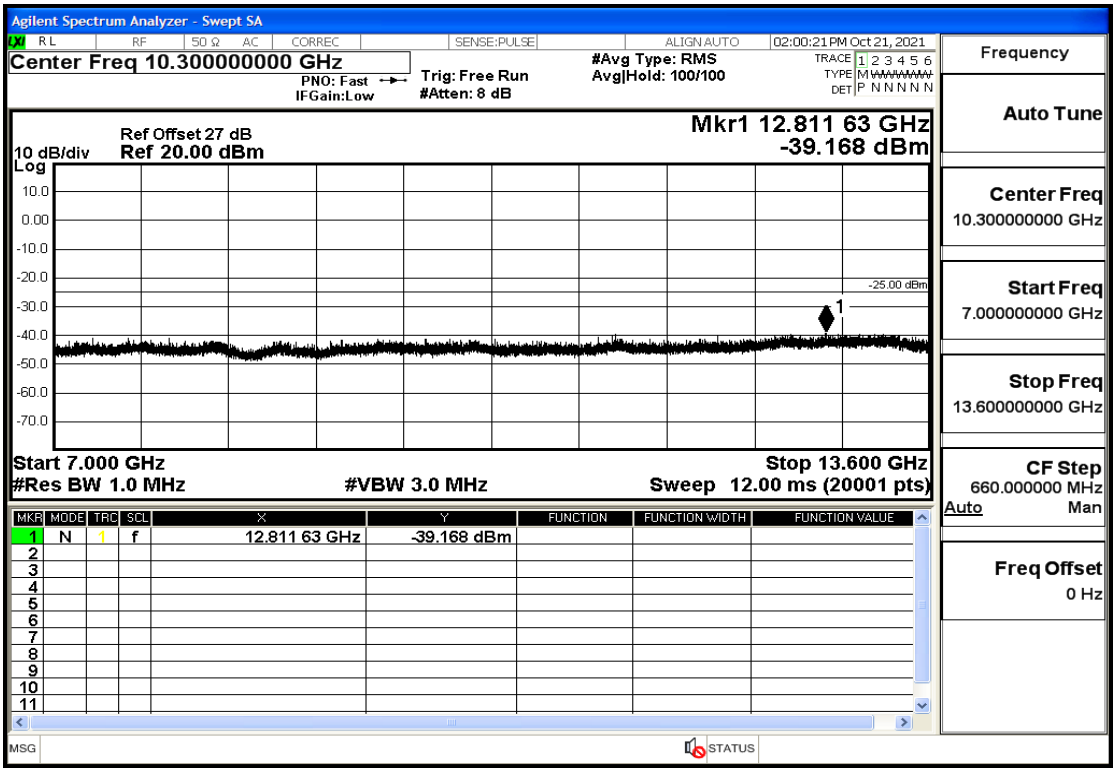
OB7-20-2510-QPSK-100#LOW@30mHz-1GHz@Pass



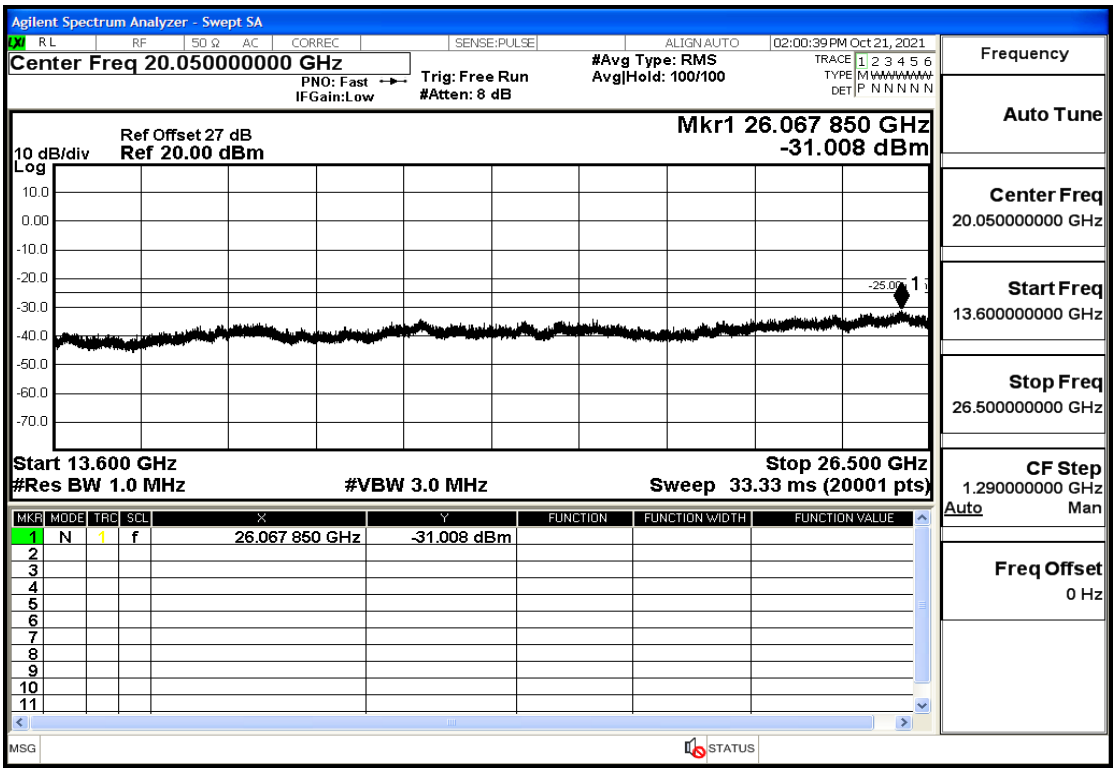

OB7-20-2510-QPSK-100#LOW@1GHz-7GHz@Pass



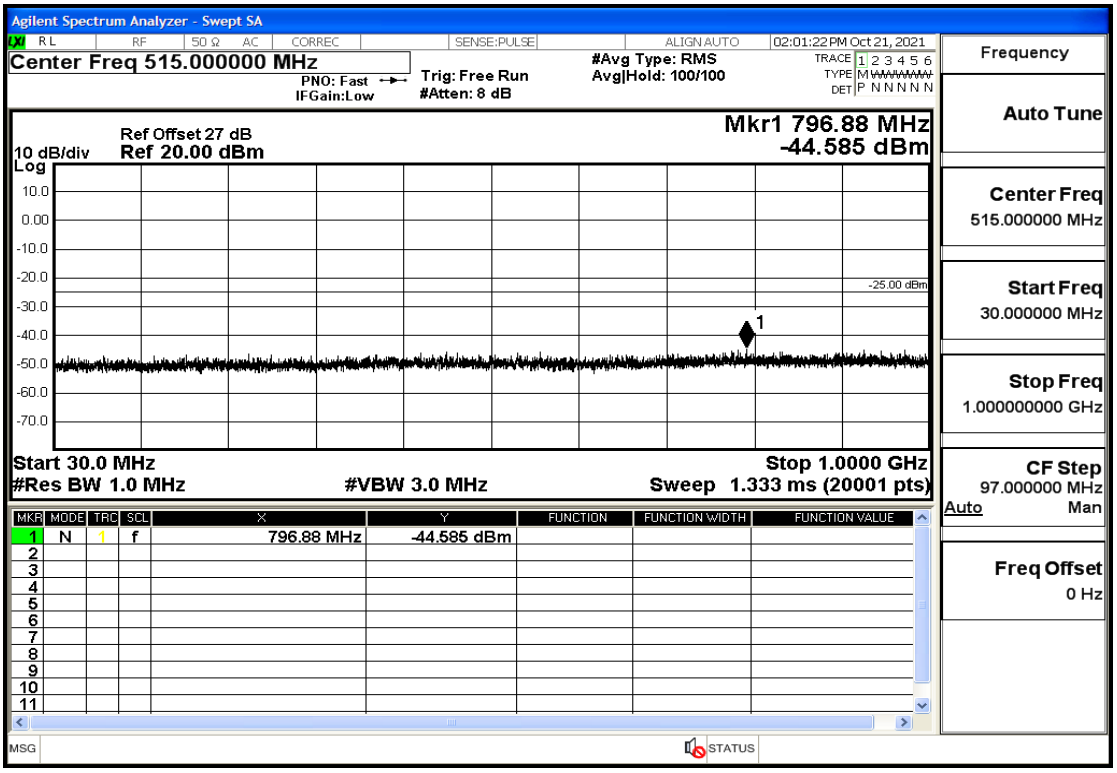
OB7-20-2510-QPSK-100#LOW@7GHz-13.6GHz@Pass



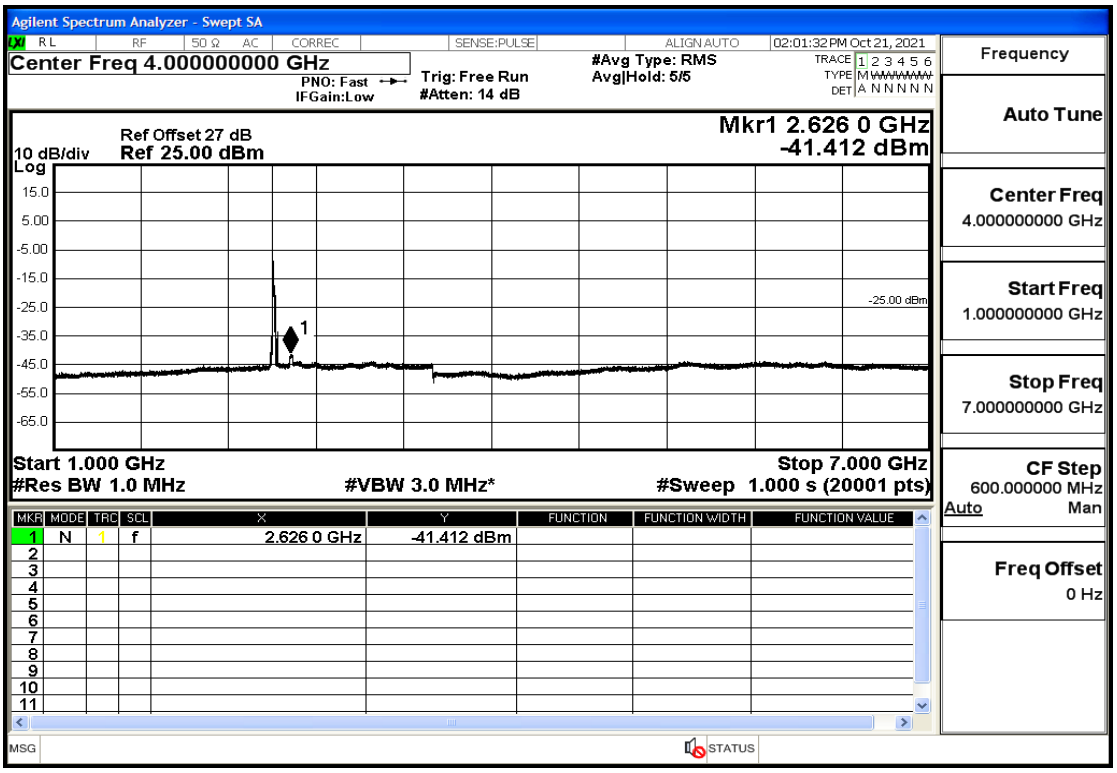

OB7-20-2510-QPSK-100#LOW@13.6GHz-26.5GHz@Pass



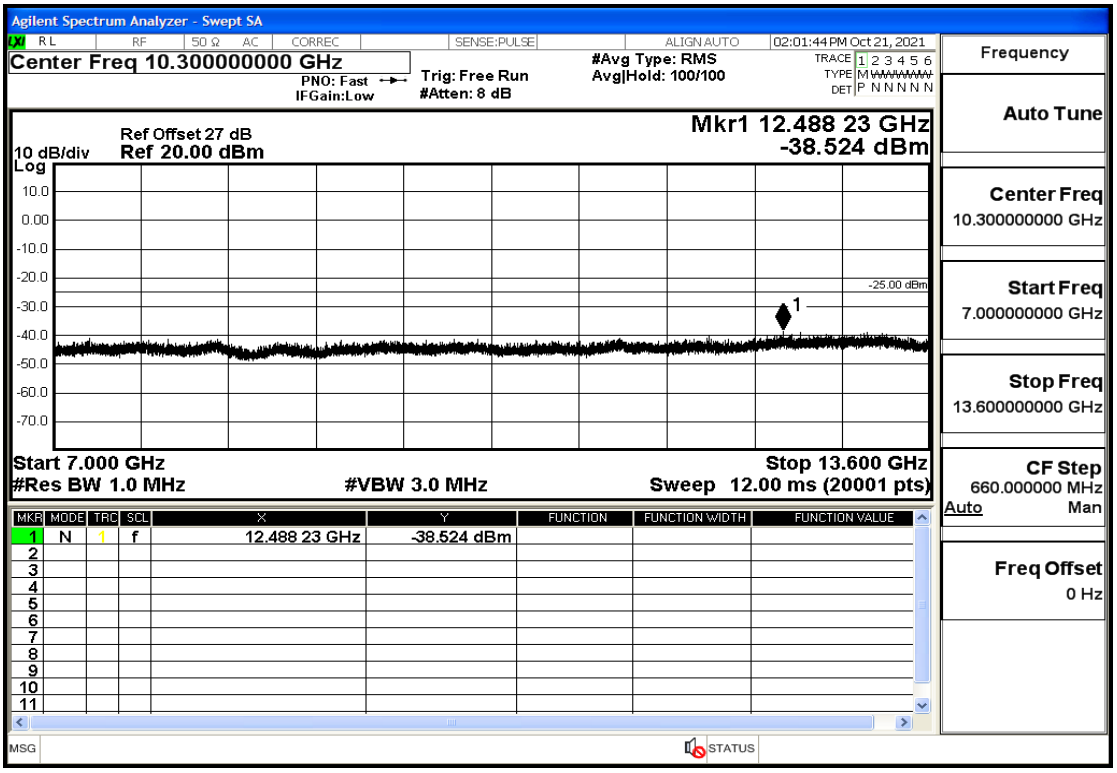
OB7-20-2510-QPSK-1#LOW@30mHz-1GHz@Pass



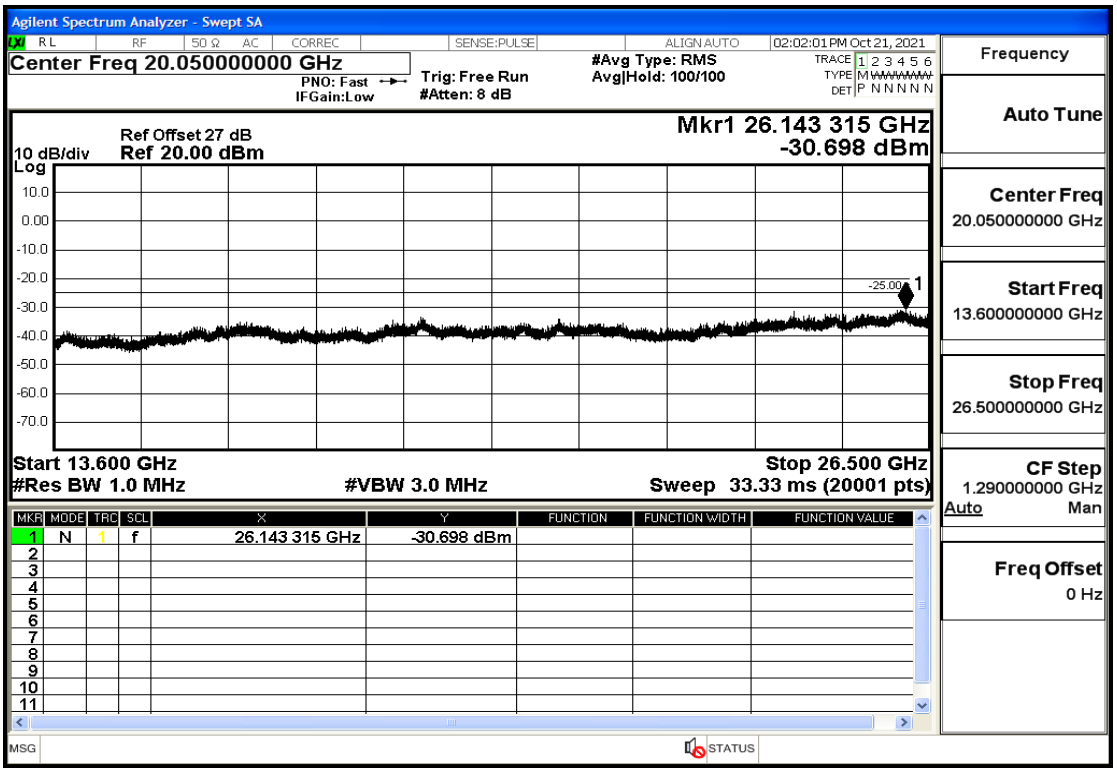

OB7-20-2510-QPSK-1#LOW@1GHz-7GHz@Pass



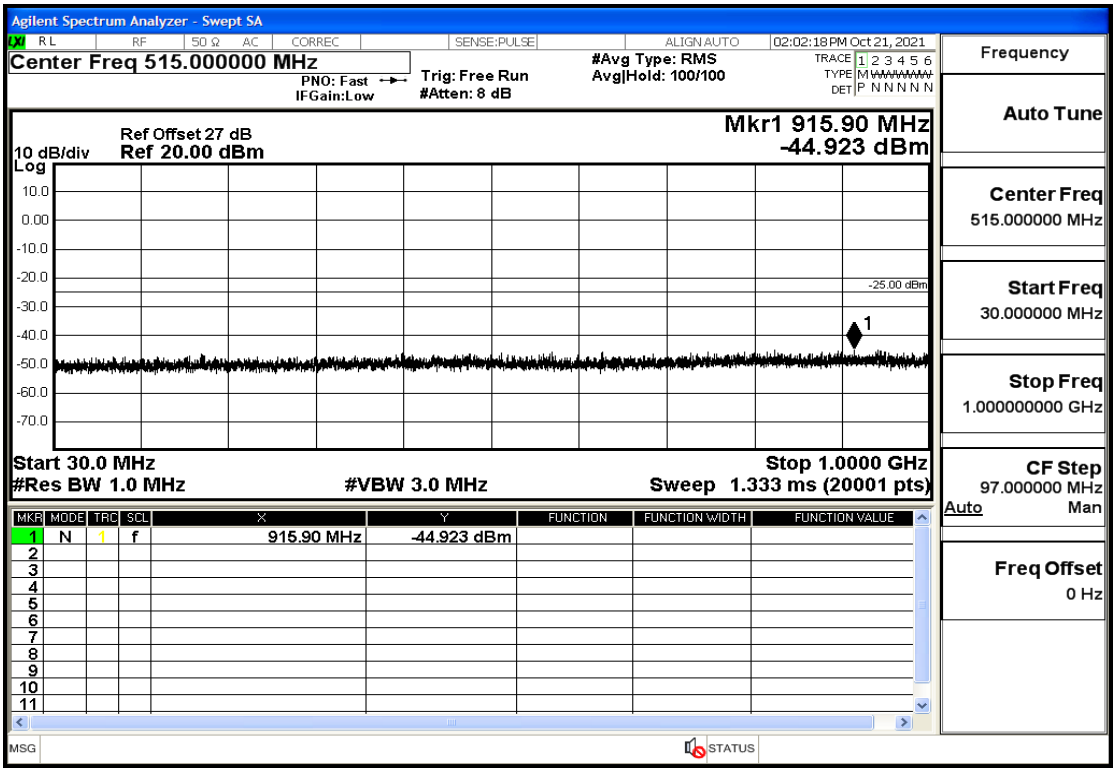
OB7-20-2510-QPSK-1#LOW@7GHz-13.6GHz@Pass



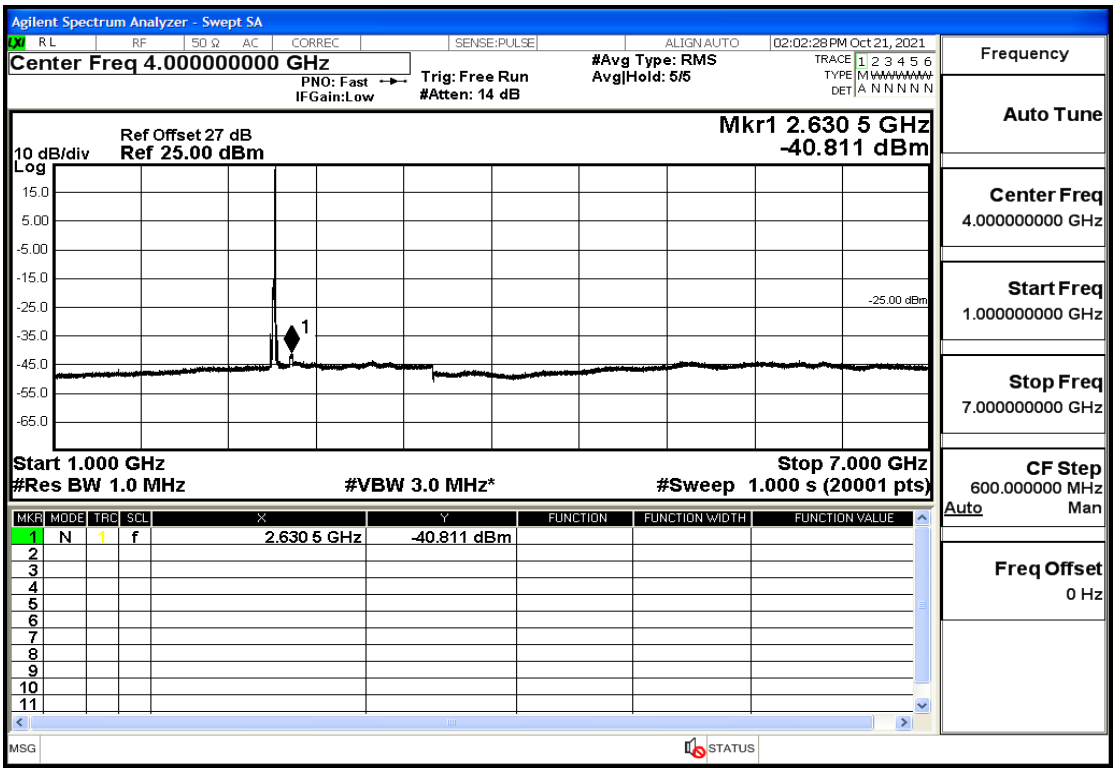

OB7-20-2510-QPSK-1#LOW@13.6GHz-26.5GHz@Pass



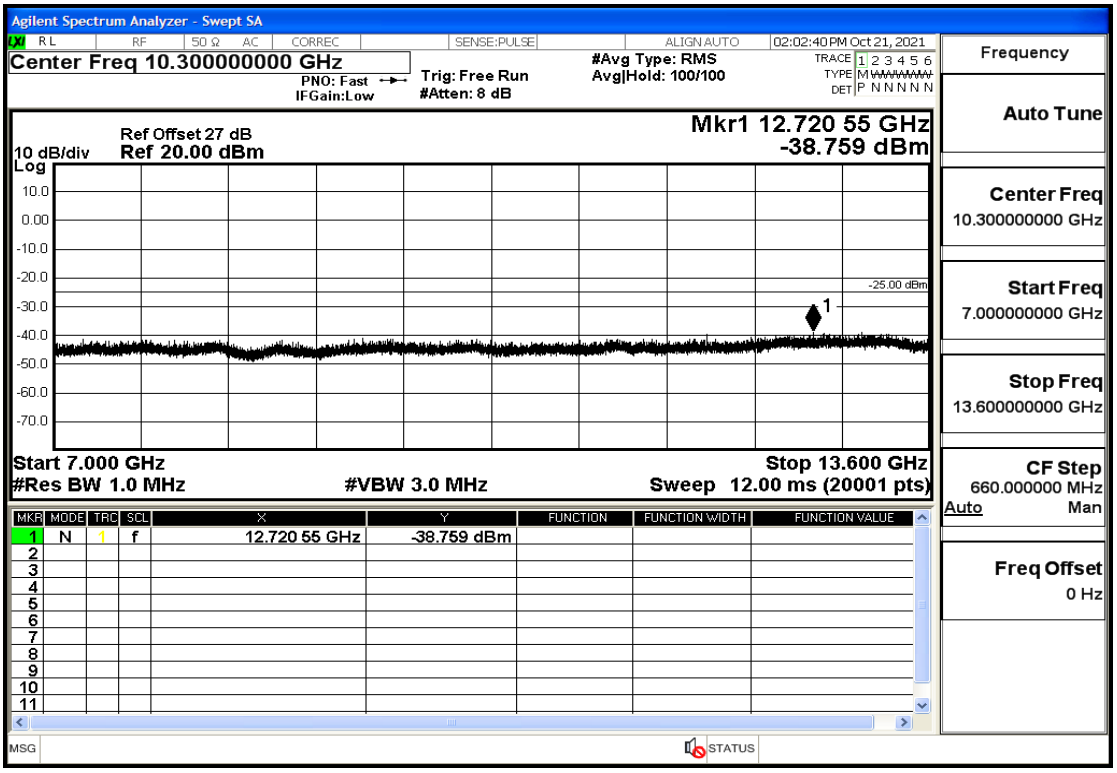
OB7-20-2510-QPSK-1#HIGH@30mHz-1GHz@Pass



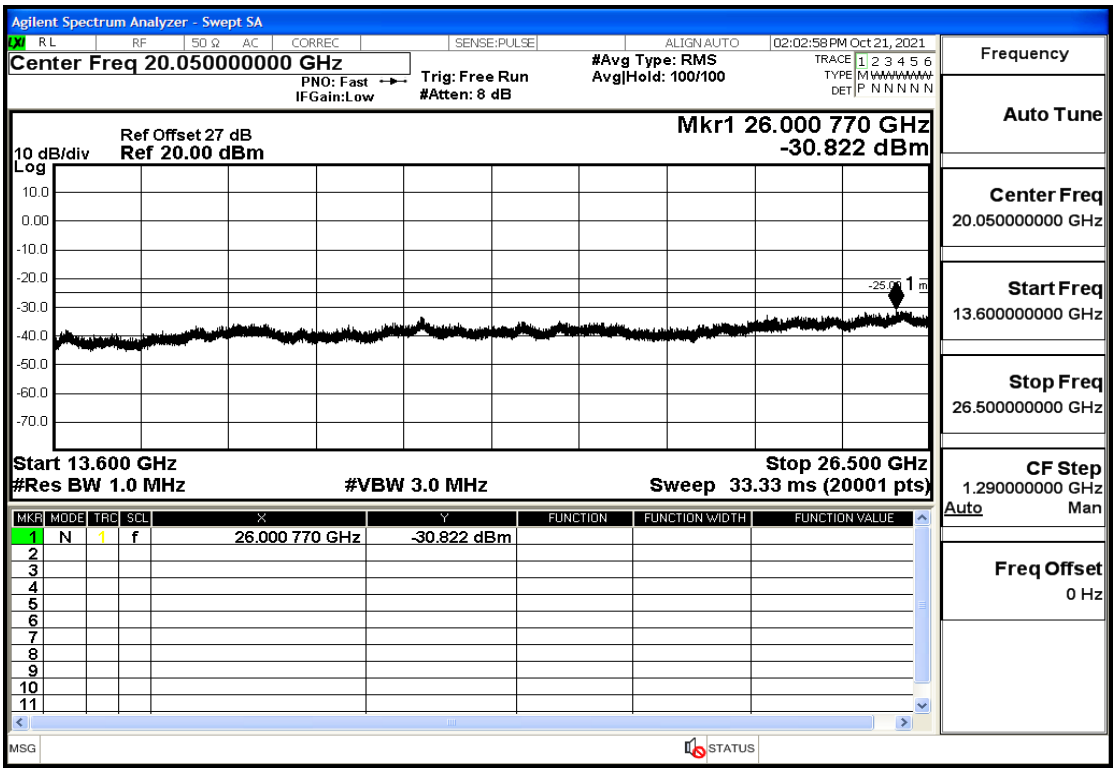

OB7-20-2510-QPSK-1#HIGH@1GHz-7GHz@Pass



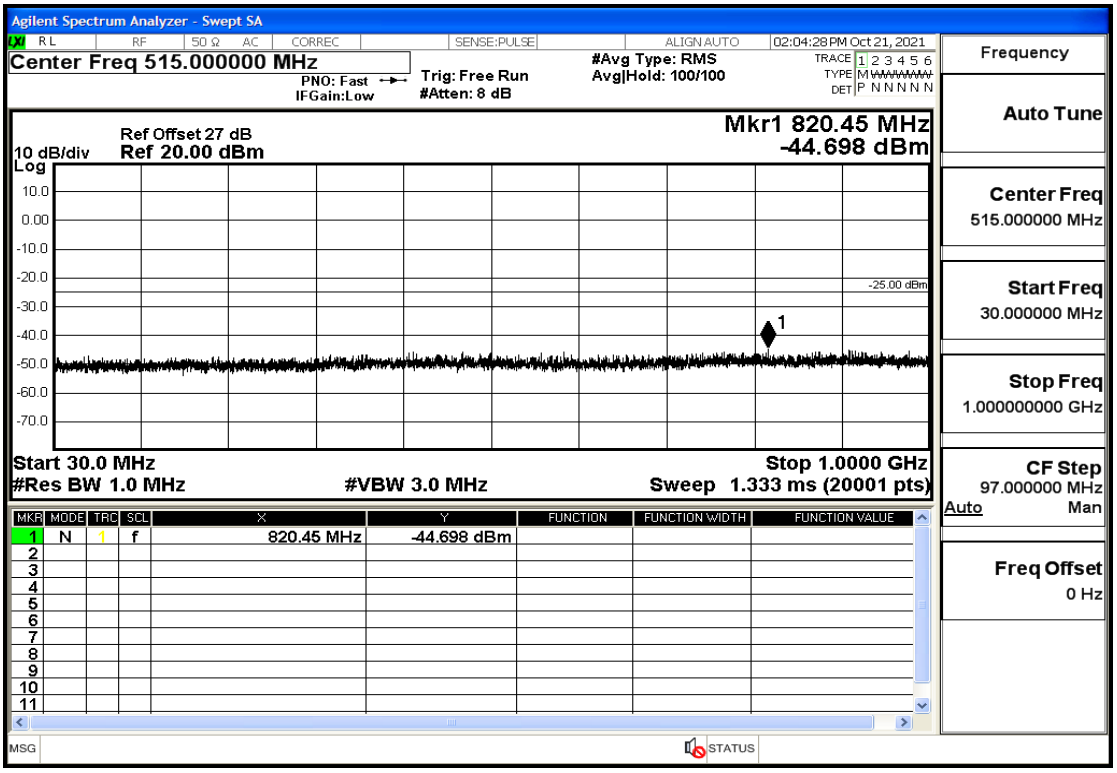
OB7-20-2510-QPSK-1#HIGH@7GHz-13.6GHz@Pass



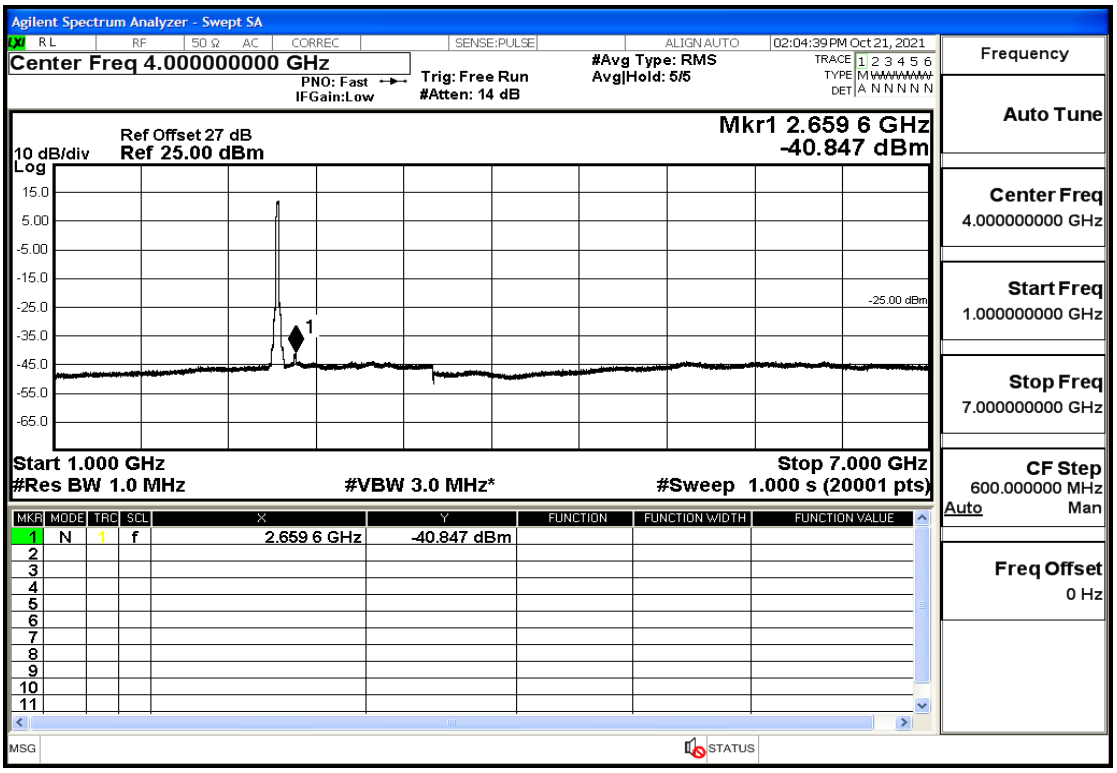

OB7-20-2510-QPSK-1#HIGH@13.6GHz-26.5GHz@Pass



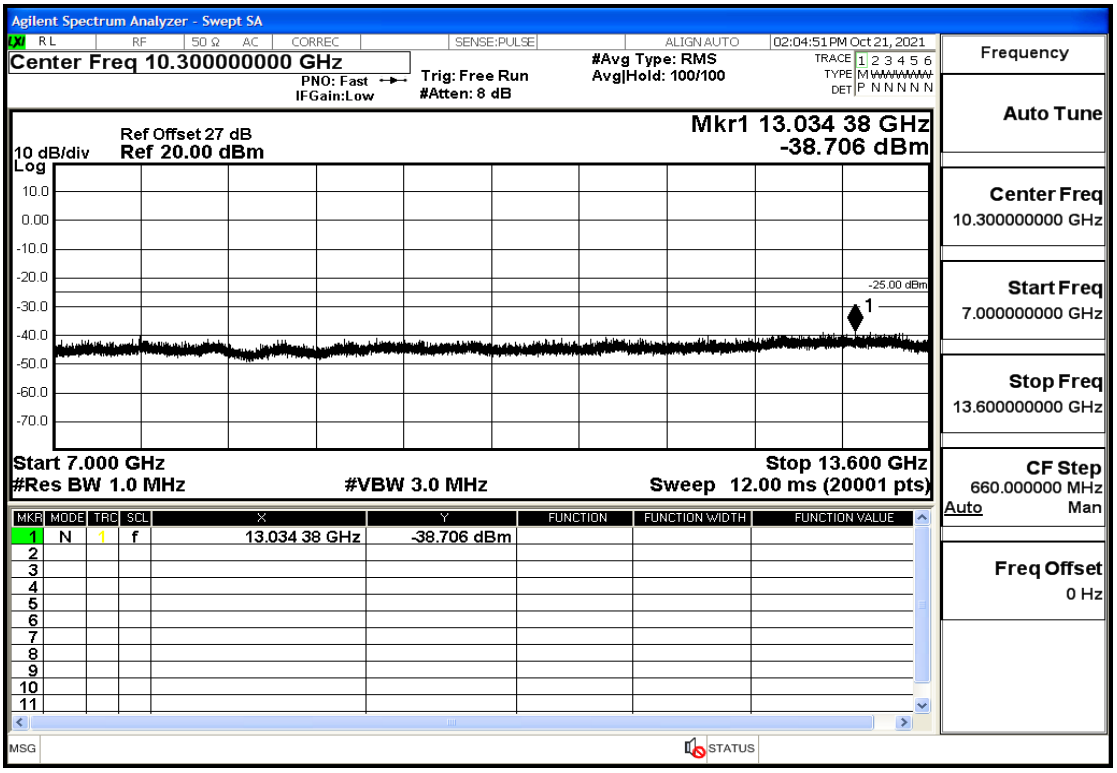
OB7-20-2535-QPSK-100#LOW@30mHz-1GHz@Pass



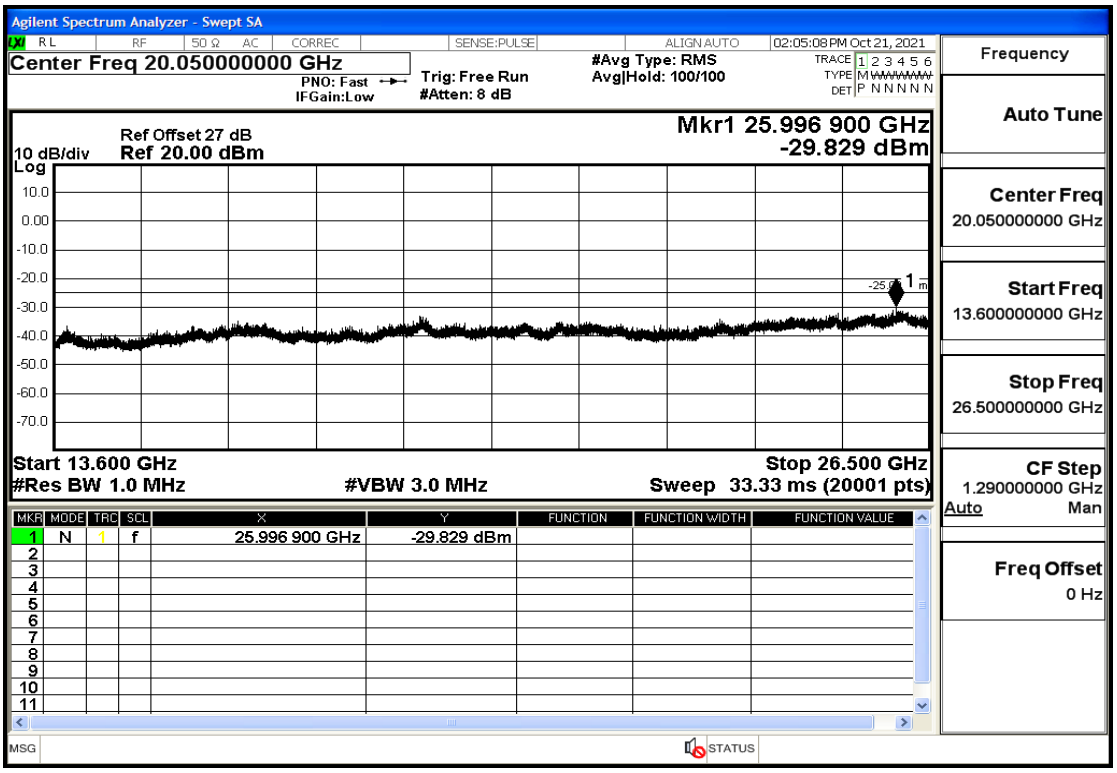

OB7-20-2535-QPSK-100#LOW@1GHz-7GHz@Pass



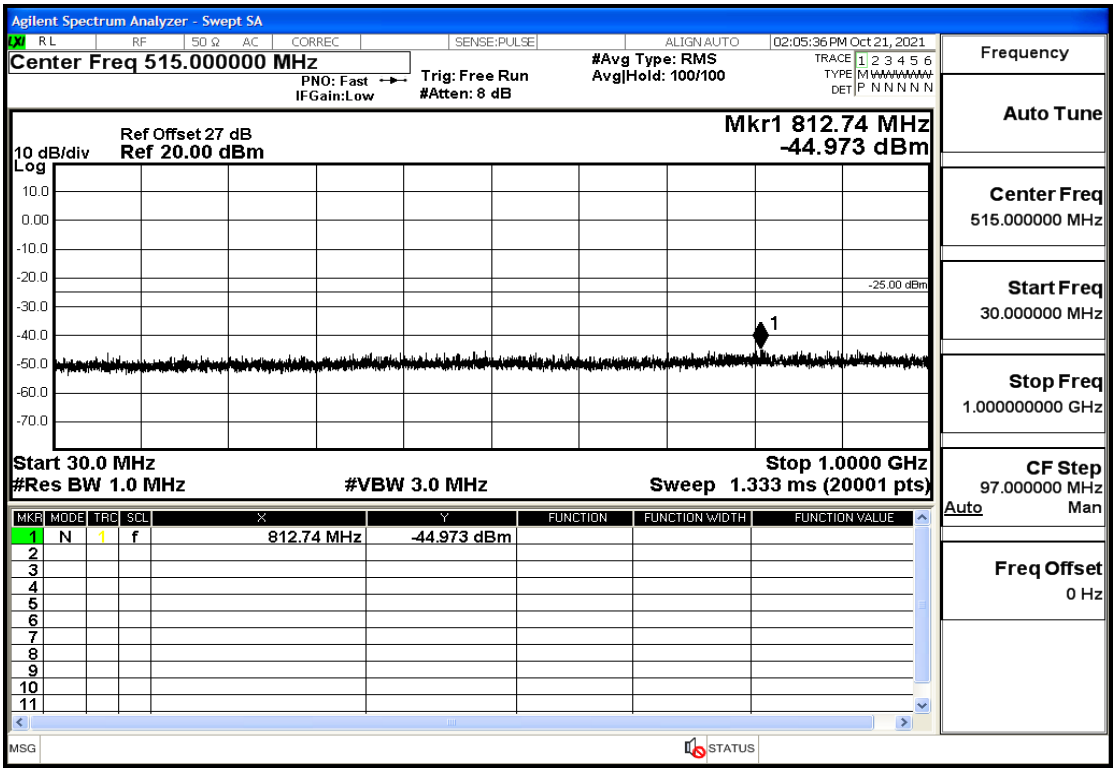
OB7-20-2535-QPSK-100#LOW@7GHz-13.6GHz@Pass



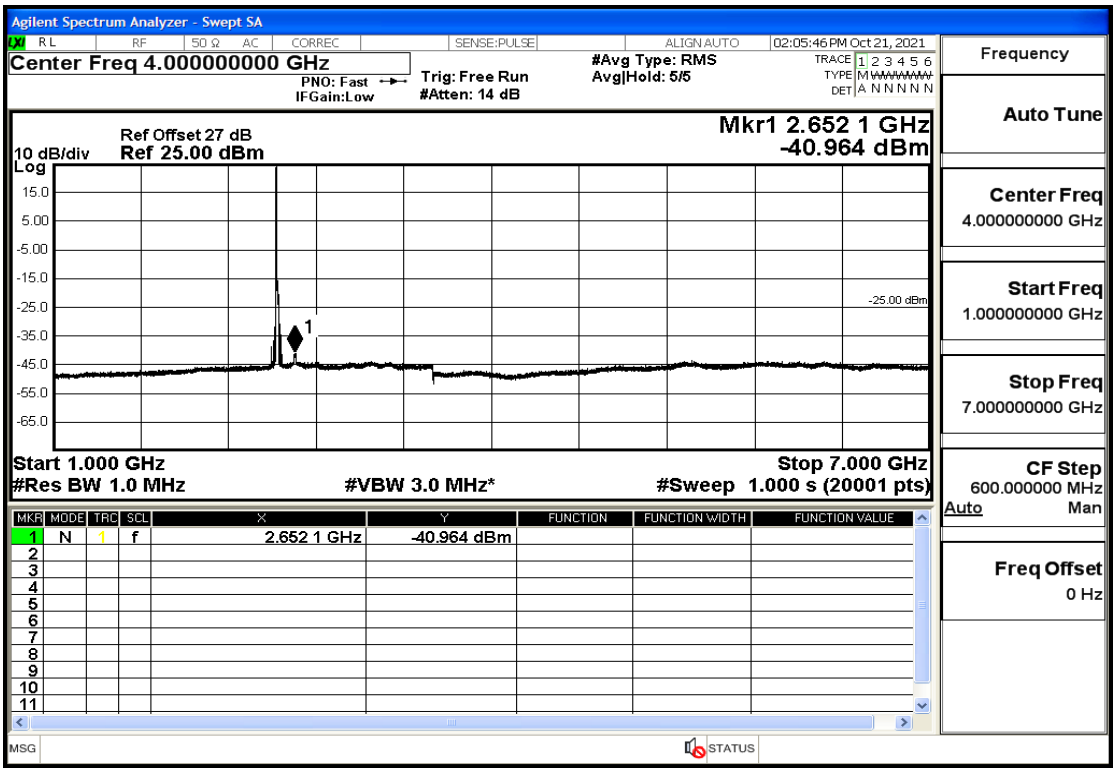

OB7-20-2535-QPSK-100#LOW@13.6GHz-26.5GHz@Pass



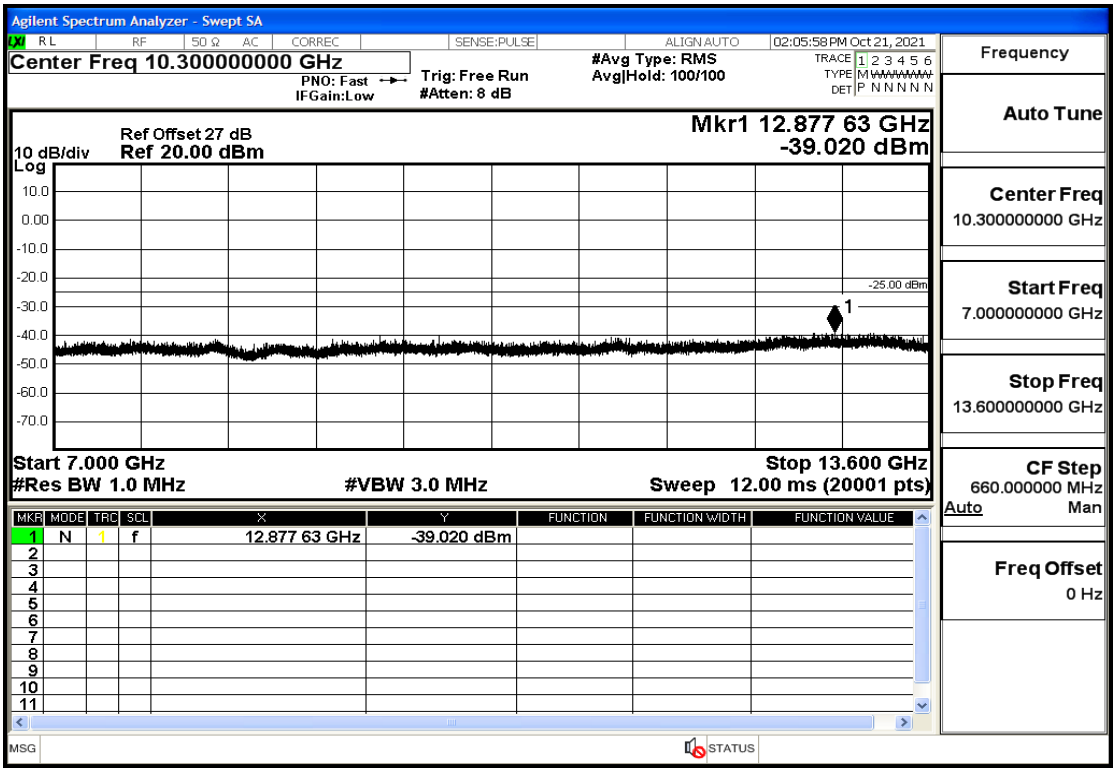
OB7-20-2535-QPSK-1#LOW@30mHz-1GHz@Pass



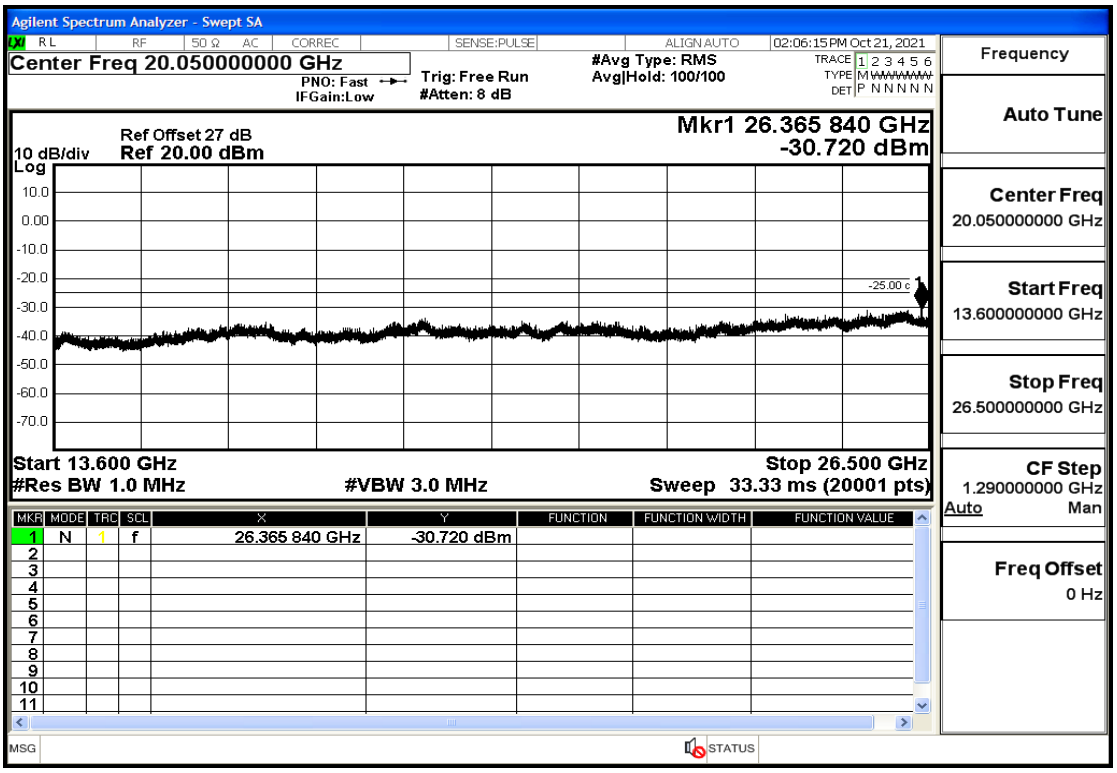

OB7-20-2535-QPSK-1#LOW@1GHz-7GHz@Pass



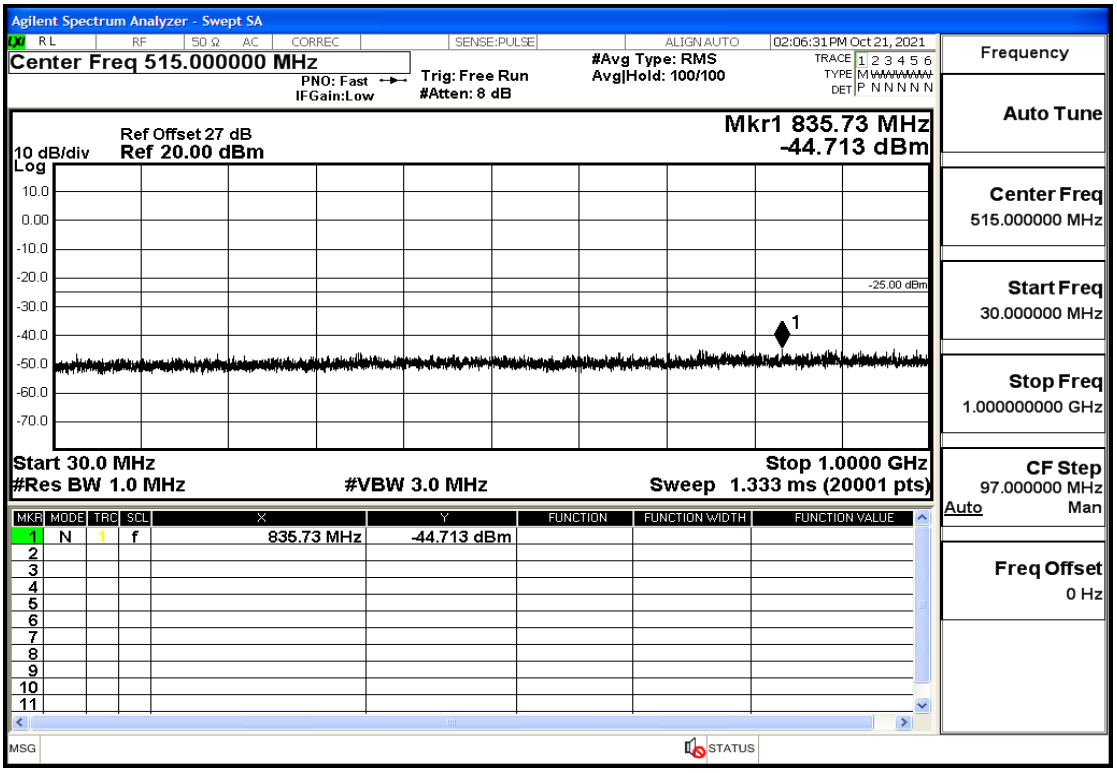
OB7-20-2535-QPSK-1#LOW@7GHz-13.6GHz@Pass



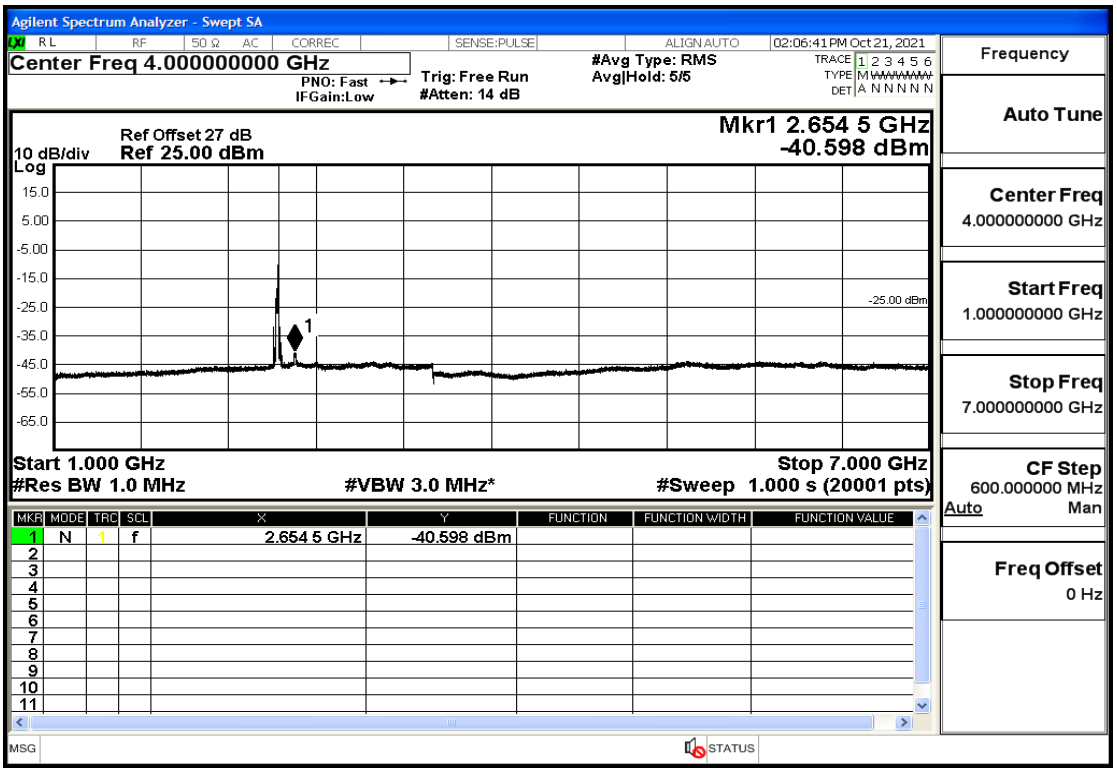

OB7-20-2535-QPSK-1#LOW@13.6GHz-26.5GHz@Pass



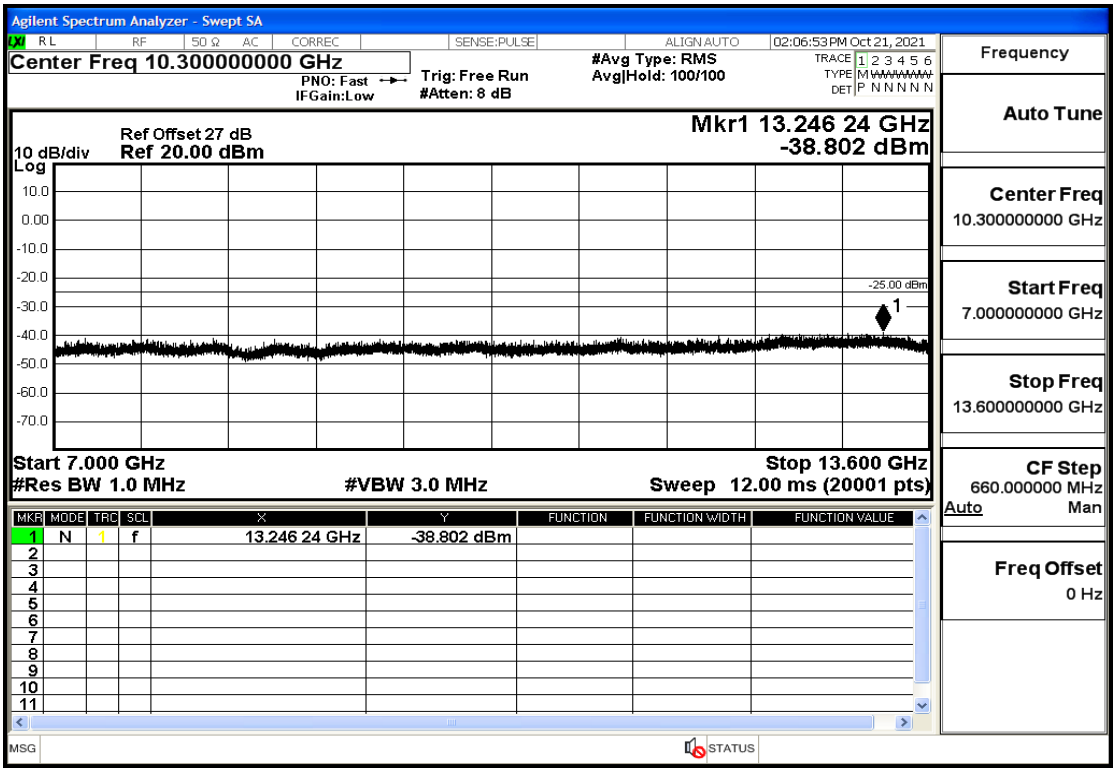
OB7-20-2535-QPSK-1#HIGH@30mHz-1GHz@Pass



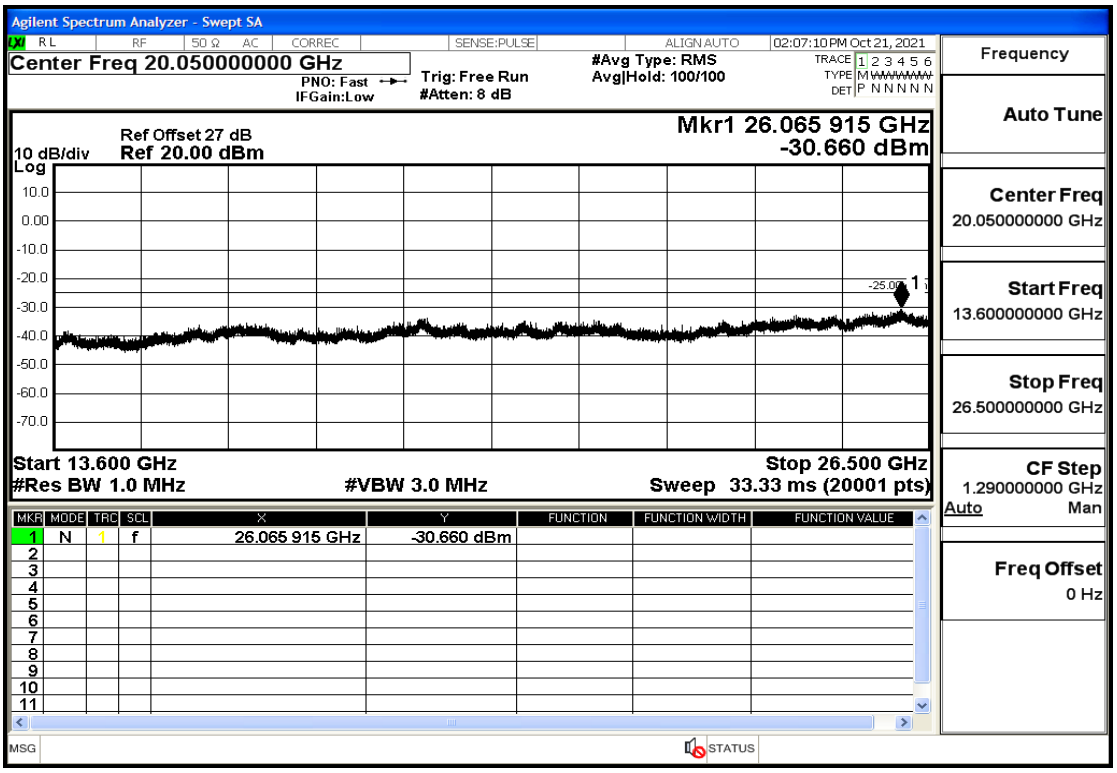

OB7-20-2535-QPSK-1#HIGH@1GHz-7GHz@Pass



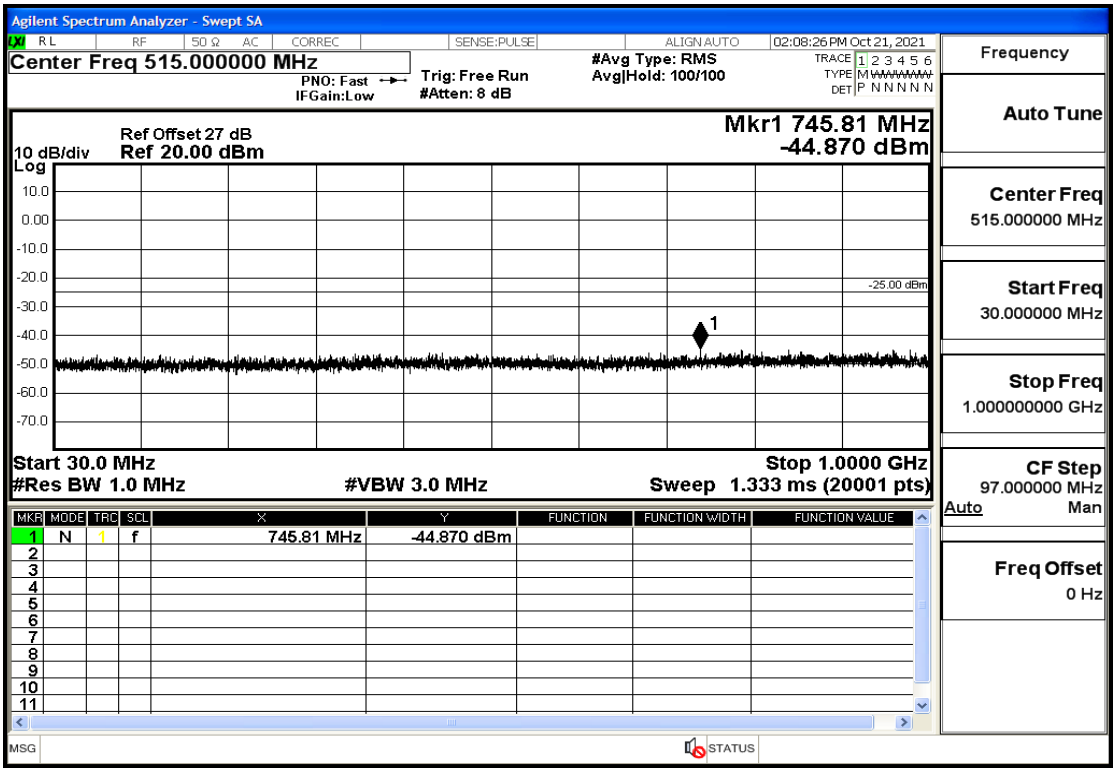
OB7-20-2535-QPSK-1#HIGH@7GHz-13.6GHz@Pass



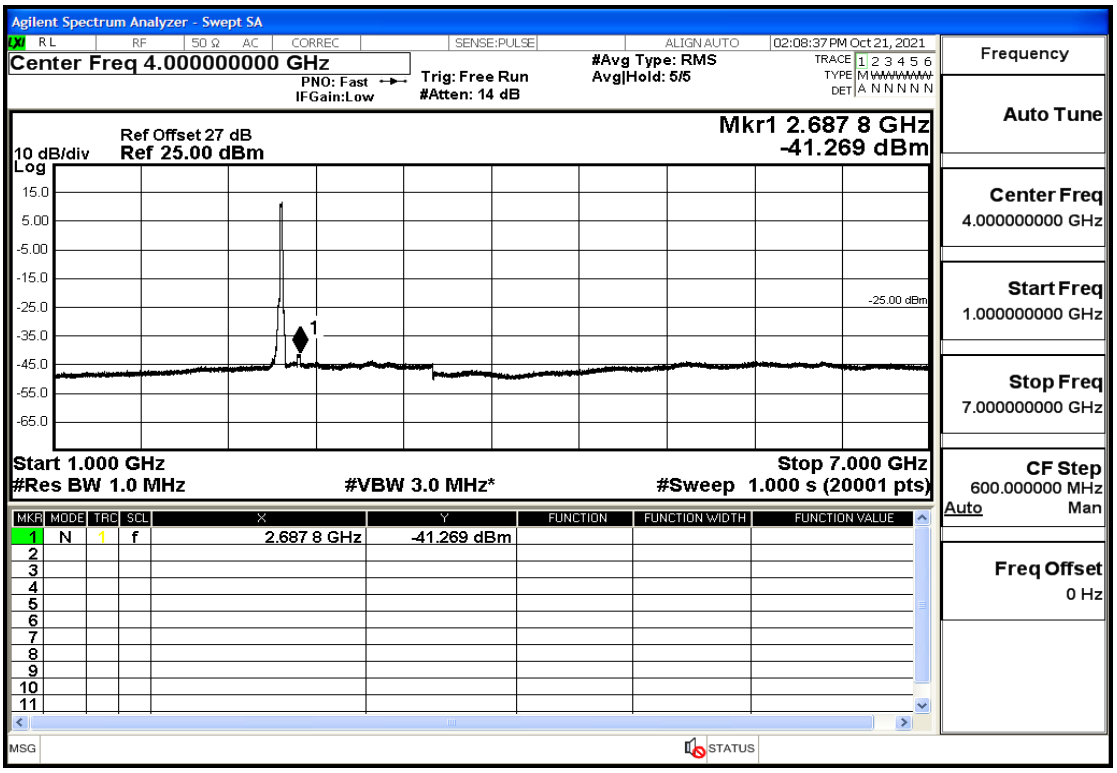

OB7-20-2535-QPSK-1#HIGH@13.6GHz-26.5GHz@Pass



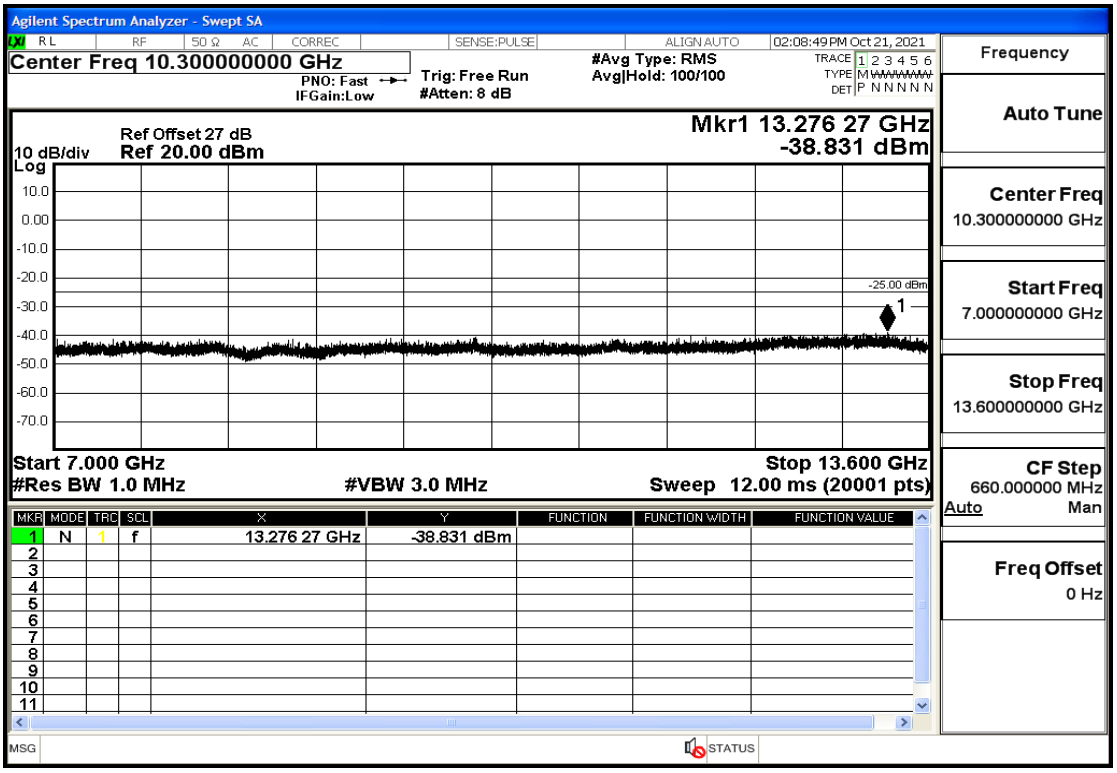
OB7-20-2560-QPSK-100#LOW@30mHz-1GHz@Pass



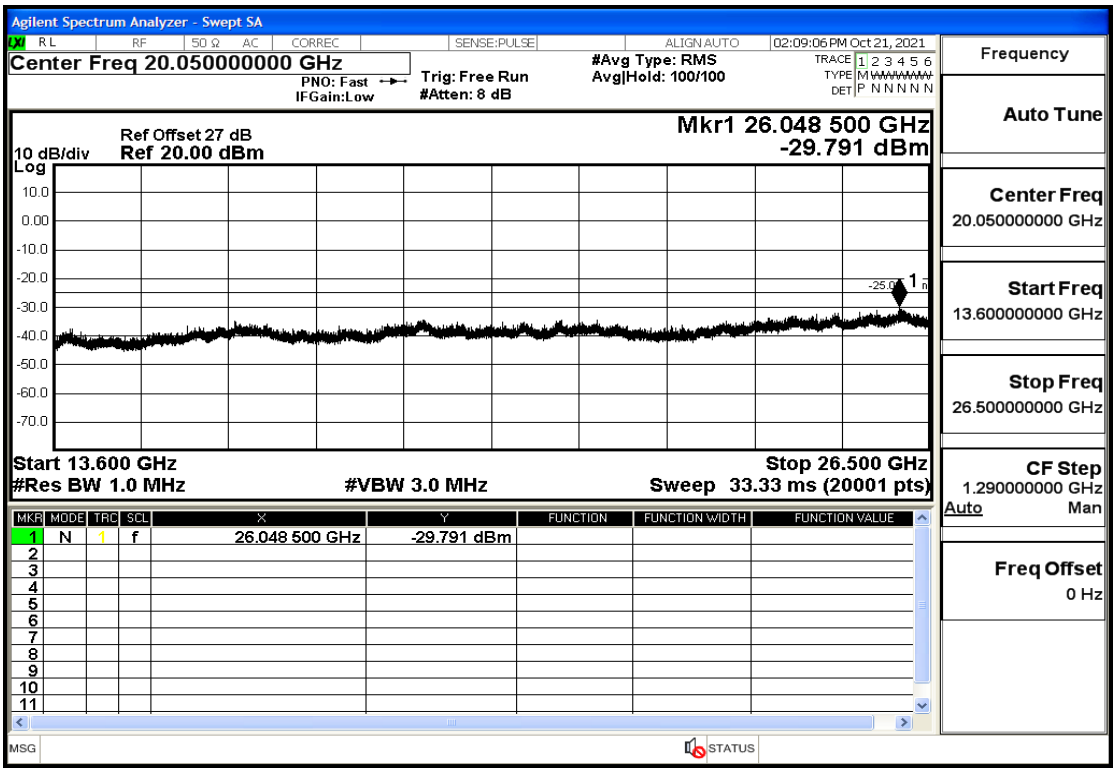

OB7-20-2560-QPSK-100#LOW@1GHz-7GHz@Pass



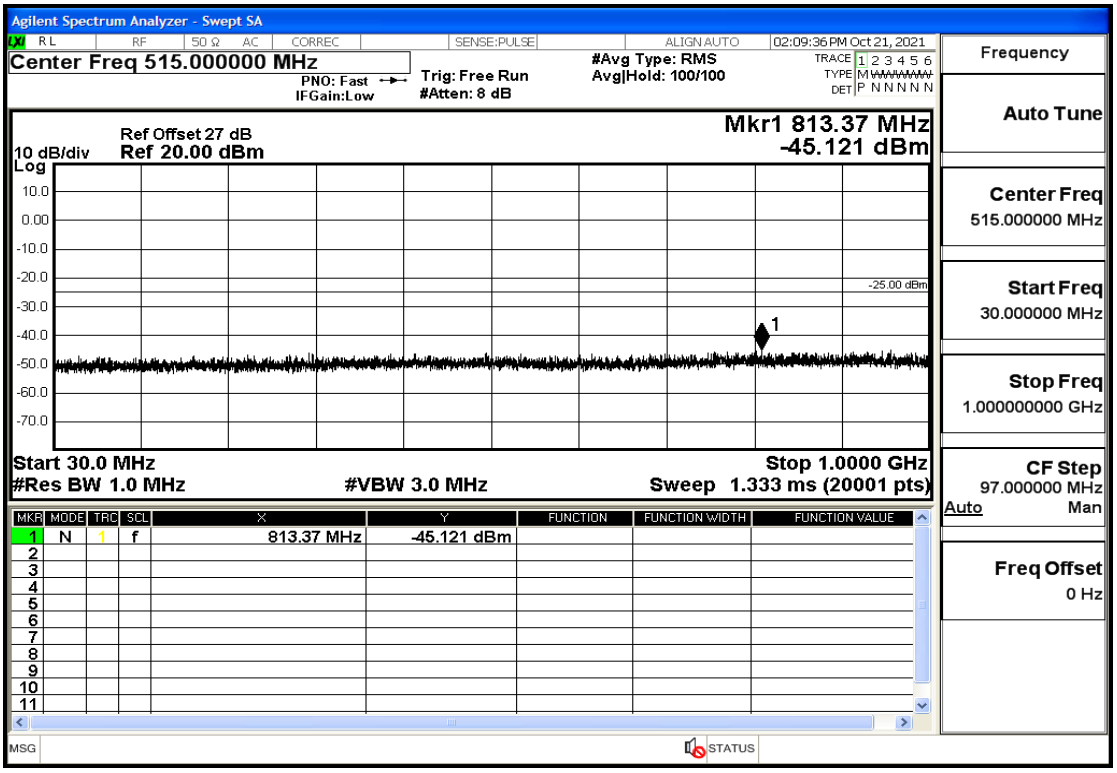
OB7-20-2560-QPSK-100#LOW@7GHz-13.6GHz@Pass



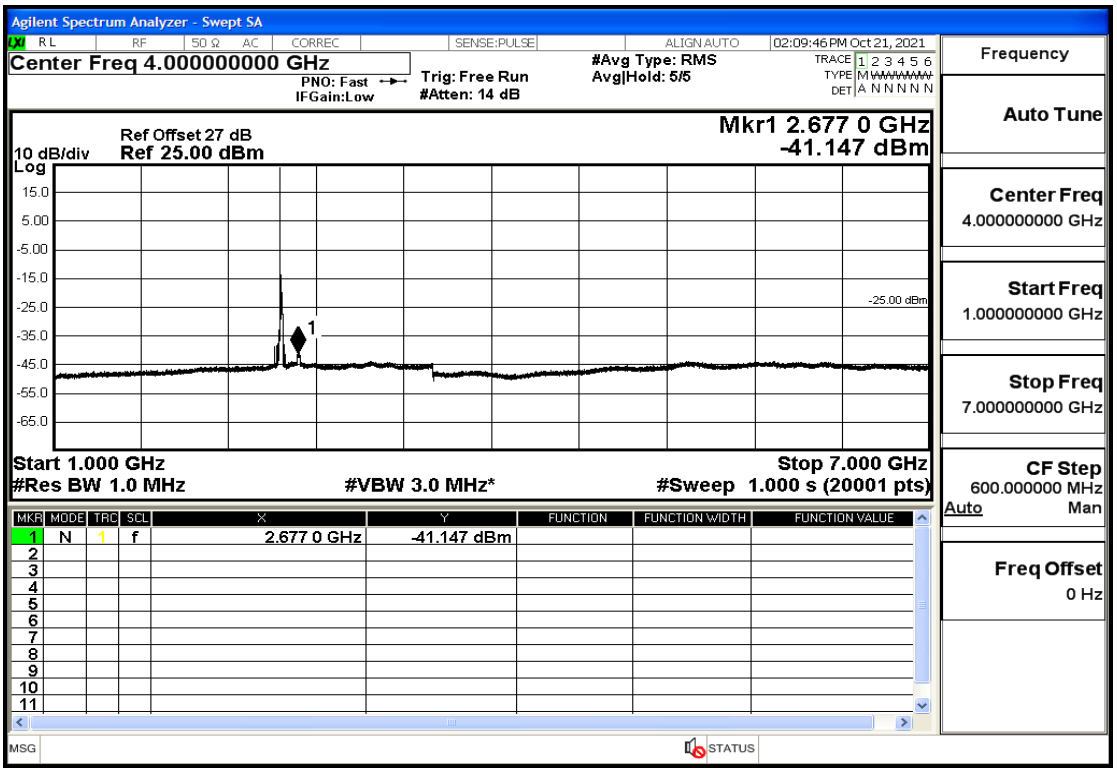

OB7-20-2560-QPSK-100#LOW@13.6GHz-26.5GHz@Pass



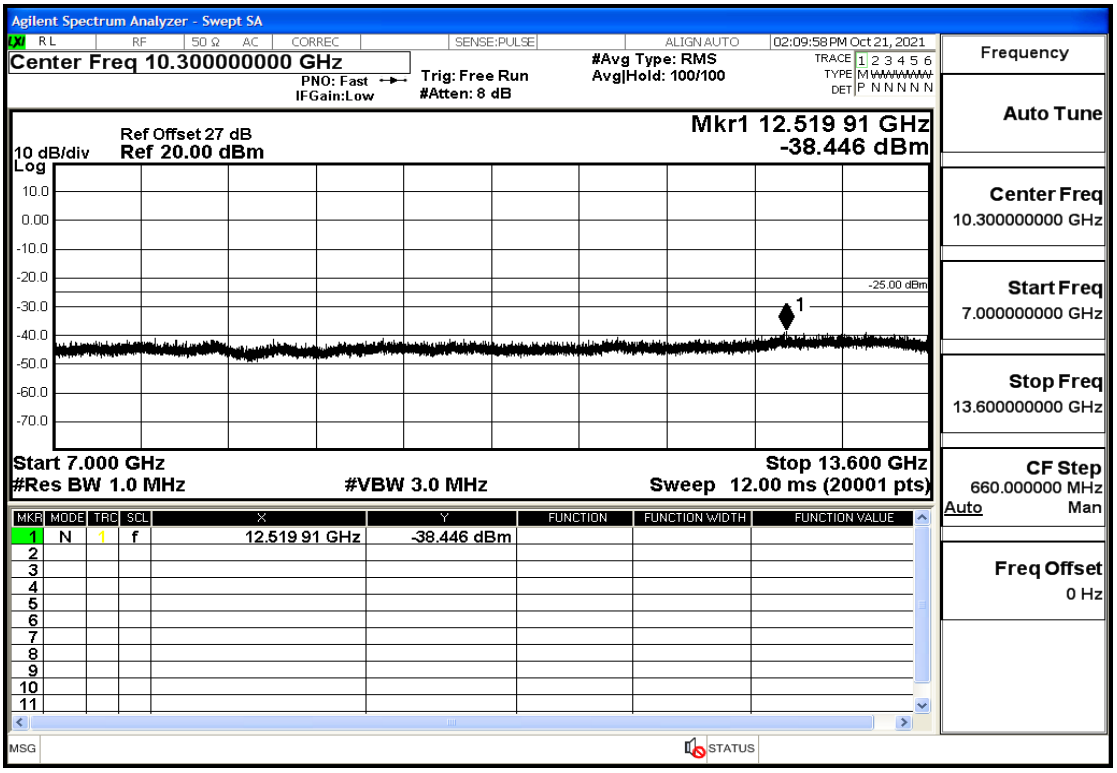
OB7-20-2560-QPSK-1#LOW@30mHz-1GHz@Pass



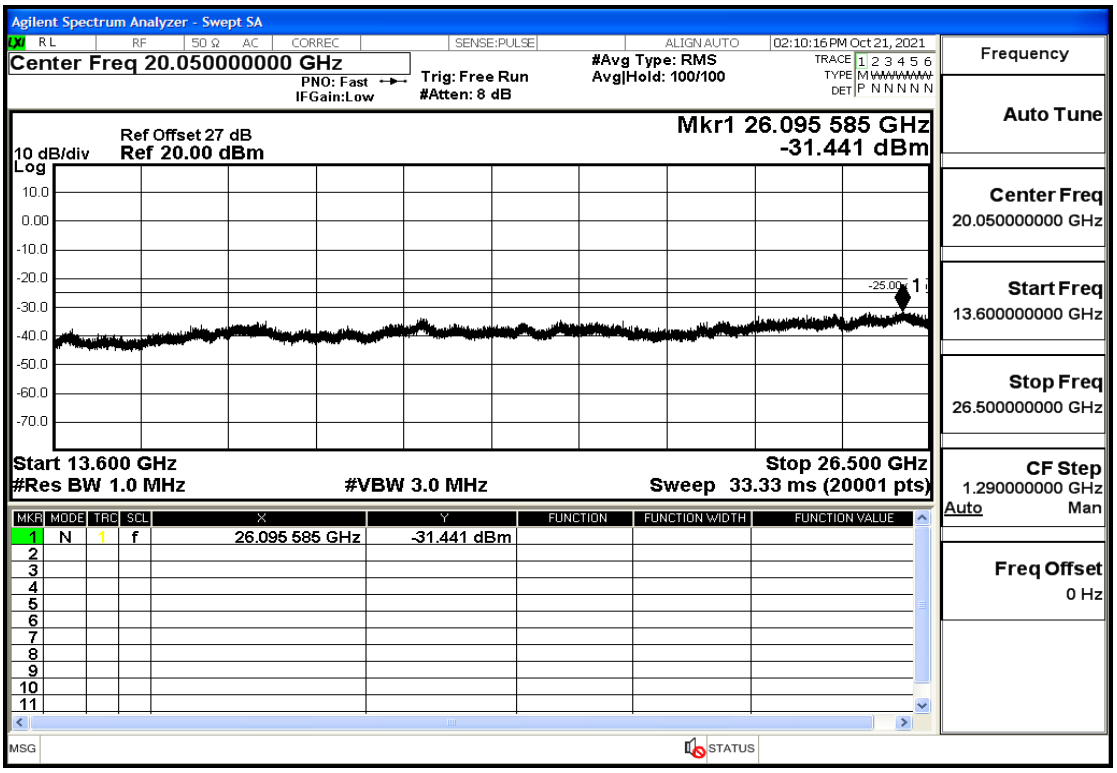

OB7-20-2560-QPSK-1#LOW@1GHz-7GHz@Pass



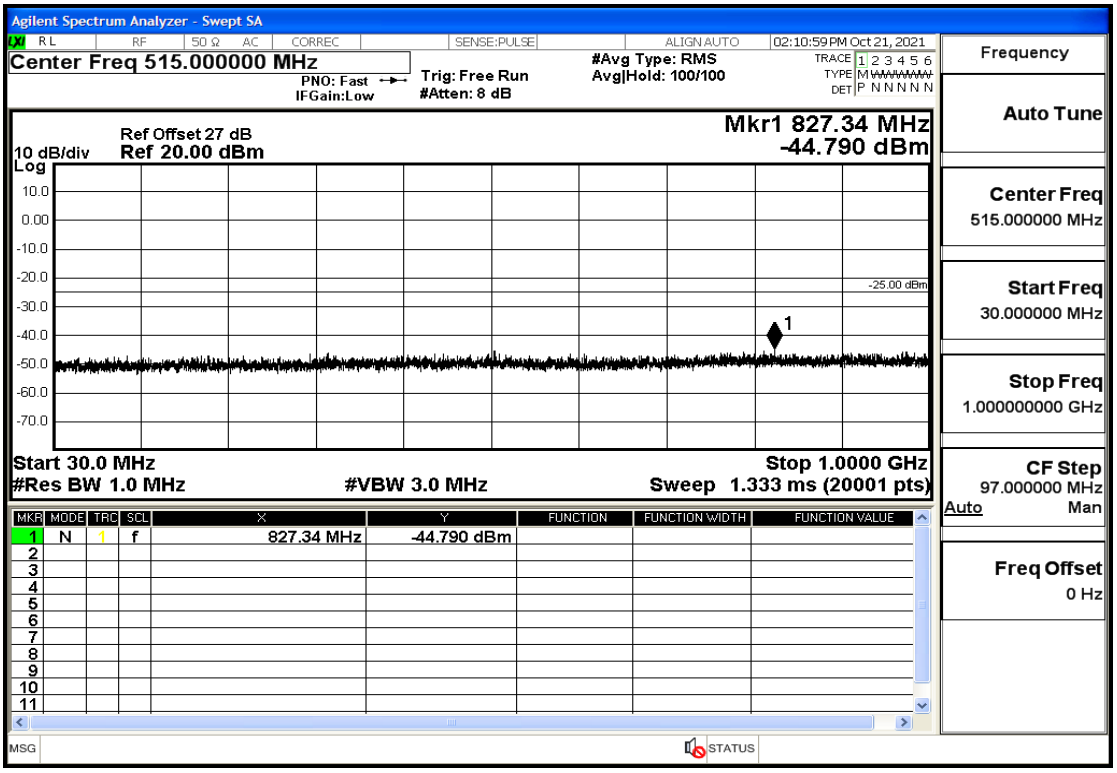
OB7-20-2560-QPSK-1#LOW@7GHz-13.6GHz@Pass



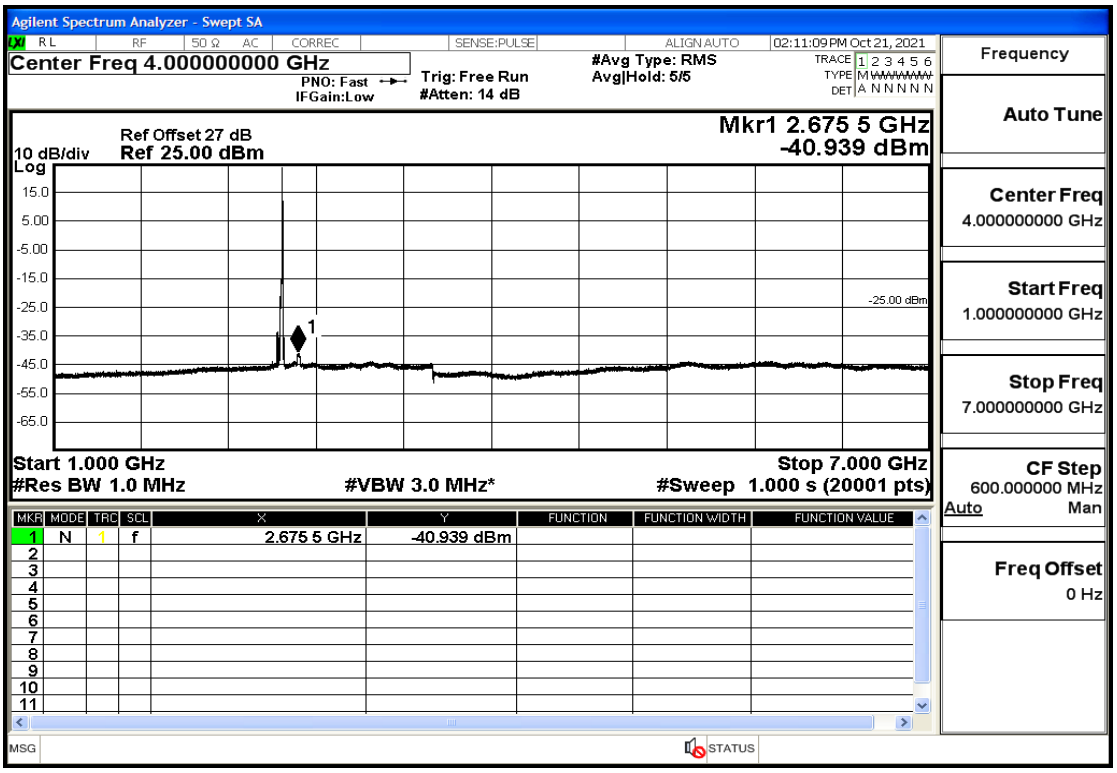

OB7-20-2560-QPSK-1#LOW@13.6GHz-26.5GHz@Pass



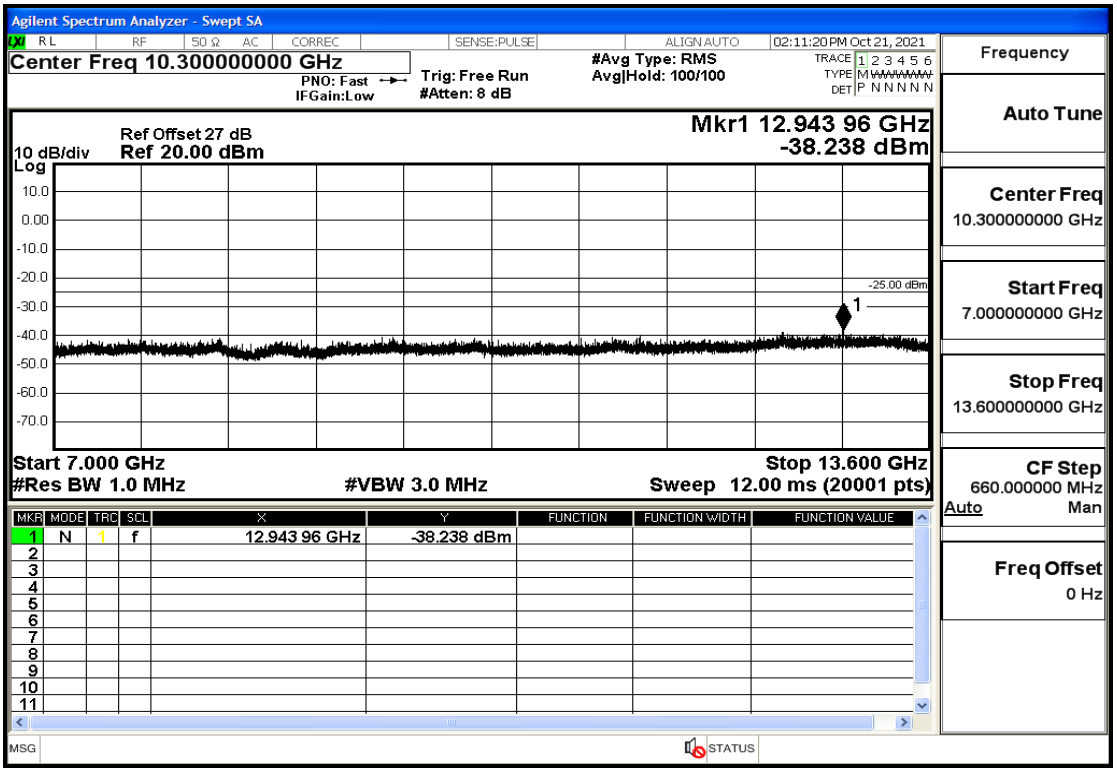
OB7-20-2560-QPSK-1#HIGH@30mHz-1GHz@Pass



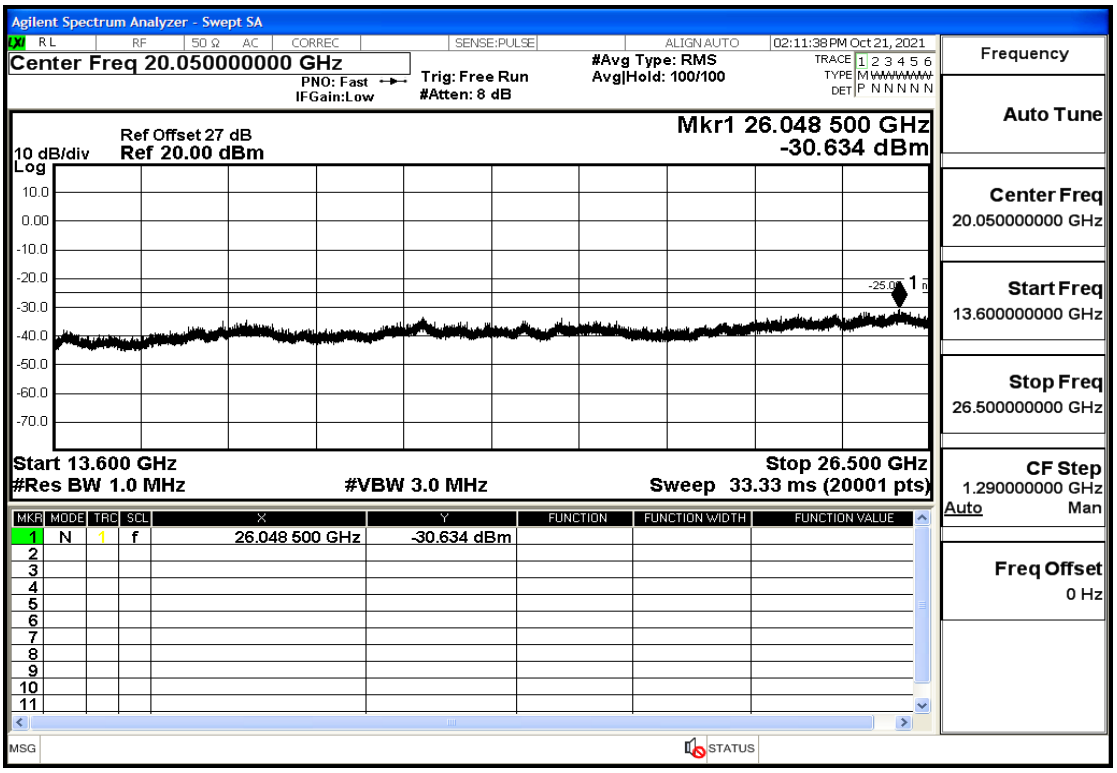

OB7-20-2560-QPSK-1#HIGH@1GHz-7GHz@Pass



OB7-20-2560-QPSK-1#HIGH@7GHz-13.6GHz@Pass



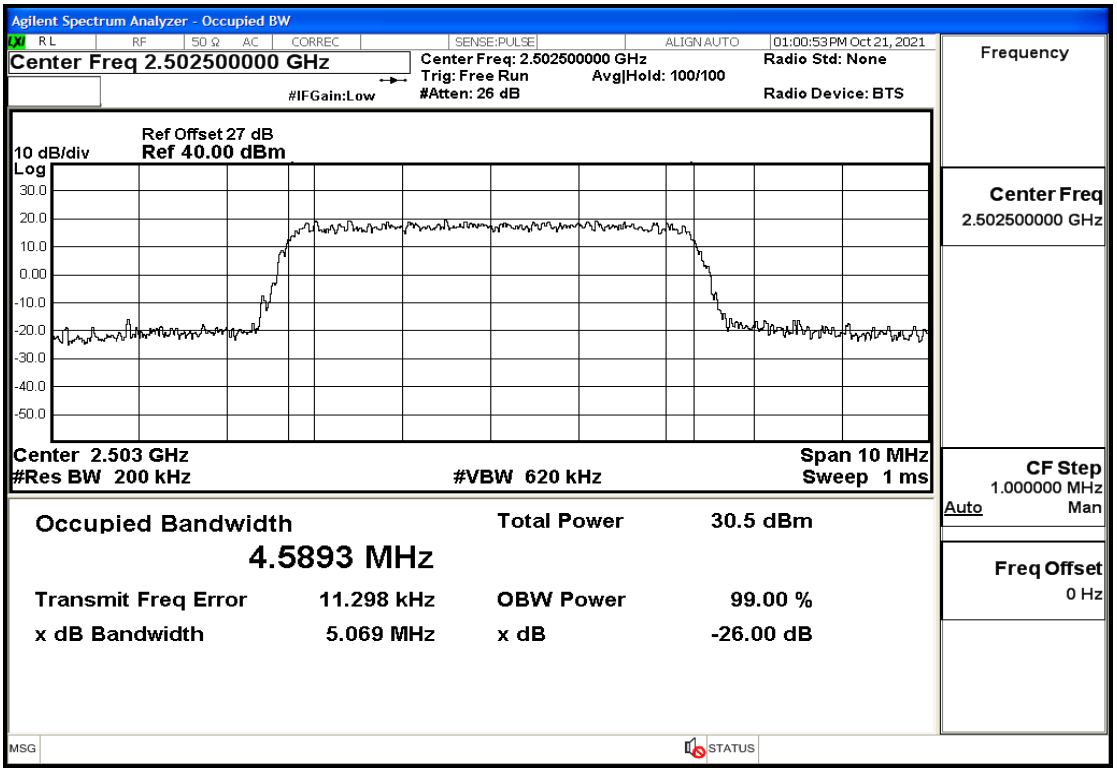

OB7-20-2560-QPSK-1#HIGH@13.6GHz-26.5GHz@Pass



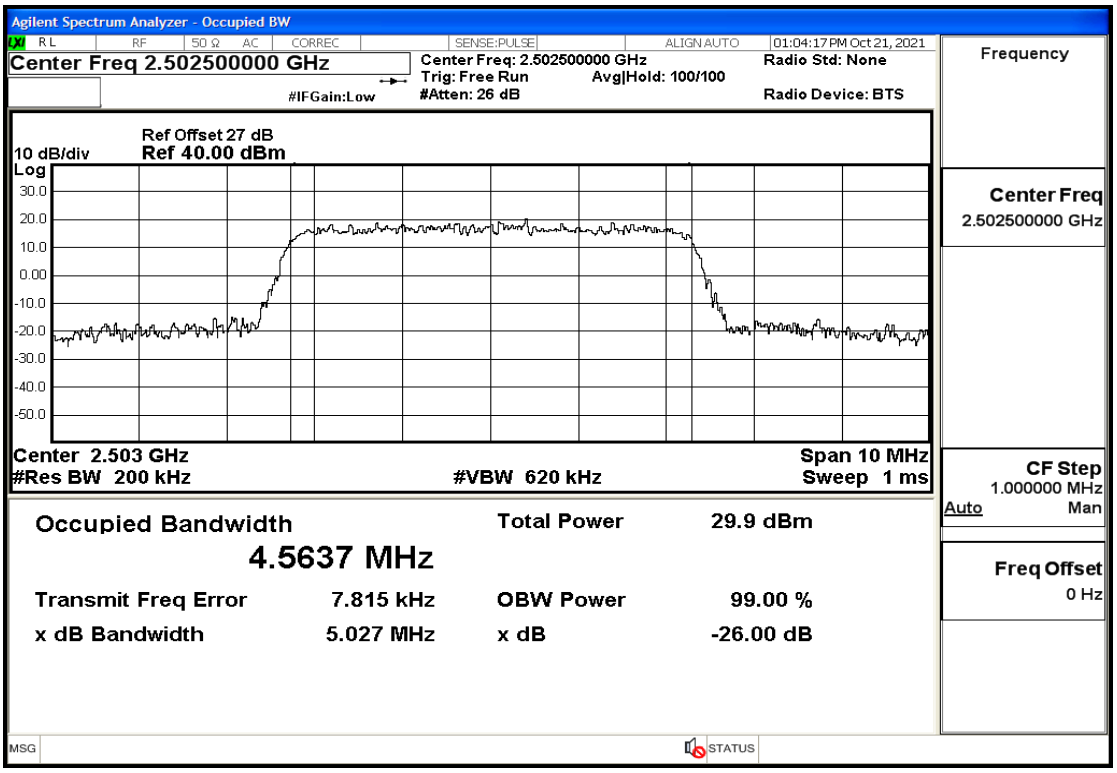
# Emission bandwidth and OBW

| Band | Bandwidth(MHz) | UL Frequency(MHz) | Modulation | RB Size | RB Offset | Occupied Bandwidth(KHz) | Emission Bandwidth(KHz) | Limit |
|---|---|---|---|---|---|---|---|---|
| Band7 | 5 | 2502.5 | QPSK | 25 | LOW | 4589.3 | 5069 | No limit |
| Band7 | 5 | 2502.5 | 16QAM | 25 | LOW | 4563.7 | 5027 | No limit |
| Band7 | 5 | 2535 | QPSK | 25 | LOW | 4586.6 | 5144 | No limit |
| Band7 | 5 | 2535 | 16QAM | 25 | LOW | 4555 | 5097 | No limit |
| Band7 | 5 | 2567.5 | QPSK | 25 | LOW | 4577.4 | 5032 | No limit |
| Band7 | 5 | 2567.5 | 16QAM | 25 | LOW | 4570.5 | 5119 | No limit |
| Band7 | 10 | 2505 | QPSK | 50 | LOW | 9111.7 | 10190 | No limit |
| Band7 | 10 | 2505 | 16QAM | 50 | LOW | 9174.4 | 10070 | No limit |
| Band7 | 10 | 2535 | QPSK | 50 | LOW | 9126.3 | 10120 | No limit |
| Band7 | 10 | 2535 | 16QAM | 50 | LOW | 9093.9 | 10040 | No limit |
| Band7 | 10 | 2565 | QPSK | 50 | LOW | 9095.4 | 9962 | No limit |
| Band7 | 10 | 2565 | 16QAM | 50 | LOW | 9101.6 | 10020 | No limit |
| Band7 | 15 | 2507.5 | QPSK | 75 | LOW | 13704 | 15230 | No limit |
| Band7 | 15 | 2507.5 | 16QAM | 75 | LOW | 13663 | 15280 | No limit |
| Band7 | 15 | 2535 | QPSK | 75 | LOW | 13654 | 15180 | No limit |
| Band7 | 15 | 2535 | 16QAM | 75 | LOW | 13680 | 15200 | No limit |
| Band7 | 15 | 2562.5 | QPSK | 75 | LOW | 13694 | 15380 | No limit |
| Band7 | 15 | 2562.5 | 16QAM | 75 | LOW | 13690 | 15210 | No limit |
| Band7 | 20 | 2510 | QPSK | 100 | LOW | 18322 | 20040 | No limit |
| Band7 | 20 | 2510 | 16QAM | 100 | LOW | 18273 | 20110 | No limit |
| Band7 | 20 | 2535 | QPSK | 100 | LOW | 18229 | 20070 | No limit |
| Band7 | 20 | 2535 | 16QAM | 100 | LOW | 18301 | 20010 | No limit |
| Band7 | 20 | 2560 | QPSK | 100 | LOW | 18332 | 20290 | No limit |
| Band7 | 20 | 2560 | 16QAM | 100 | LOW | 18281 | 20250 | No limit |

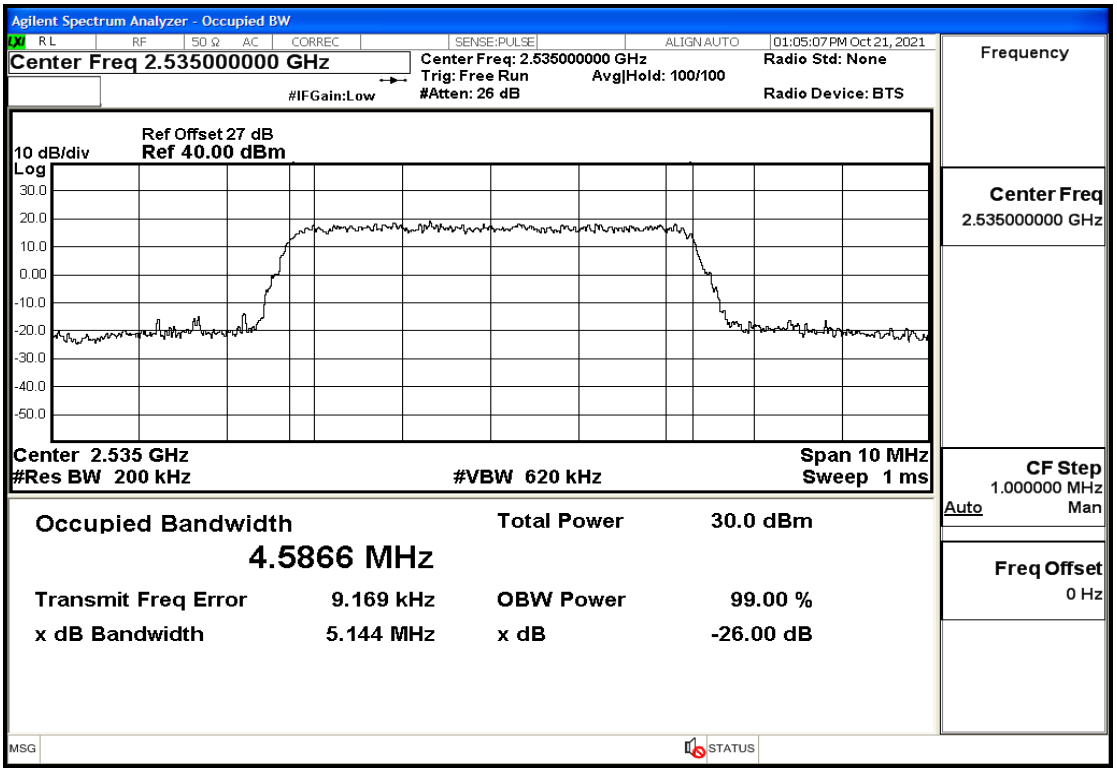
Band7-5-2502.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



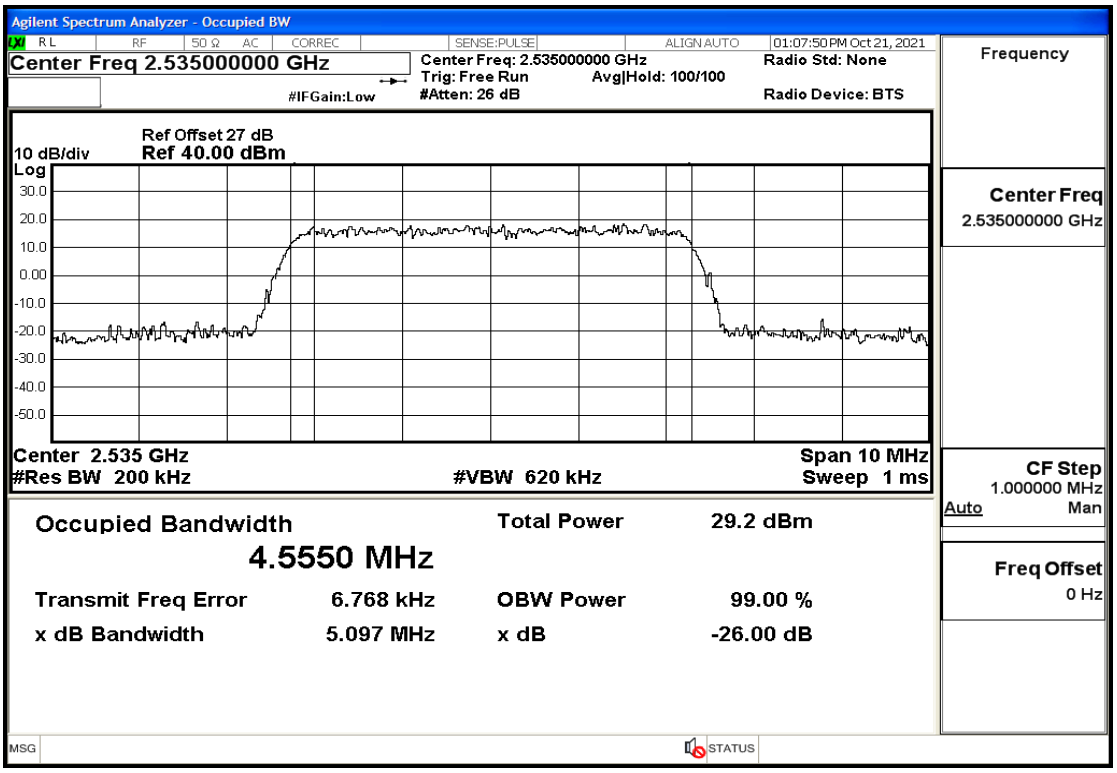

Band7-5-2502.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



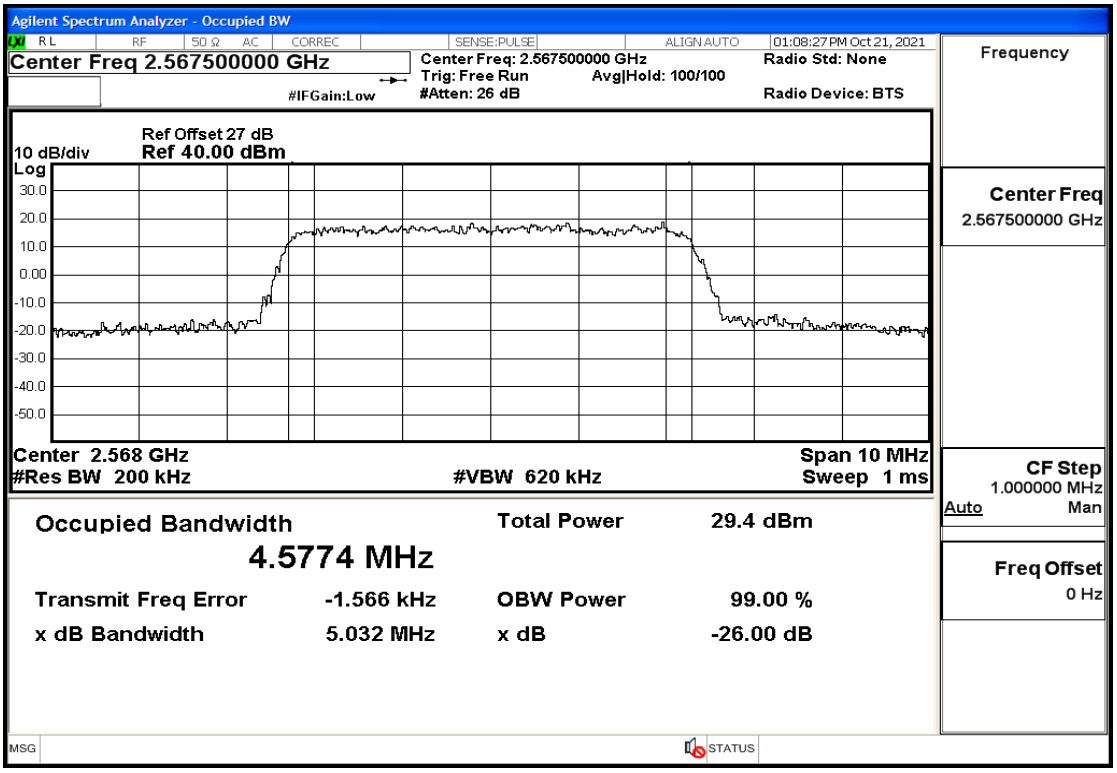
Band7-5-2535-QPSK-25#LOW@26dB and 99PCT Bandwidth



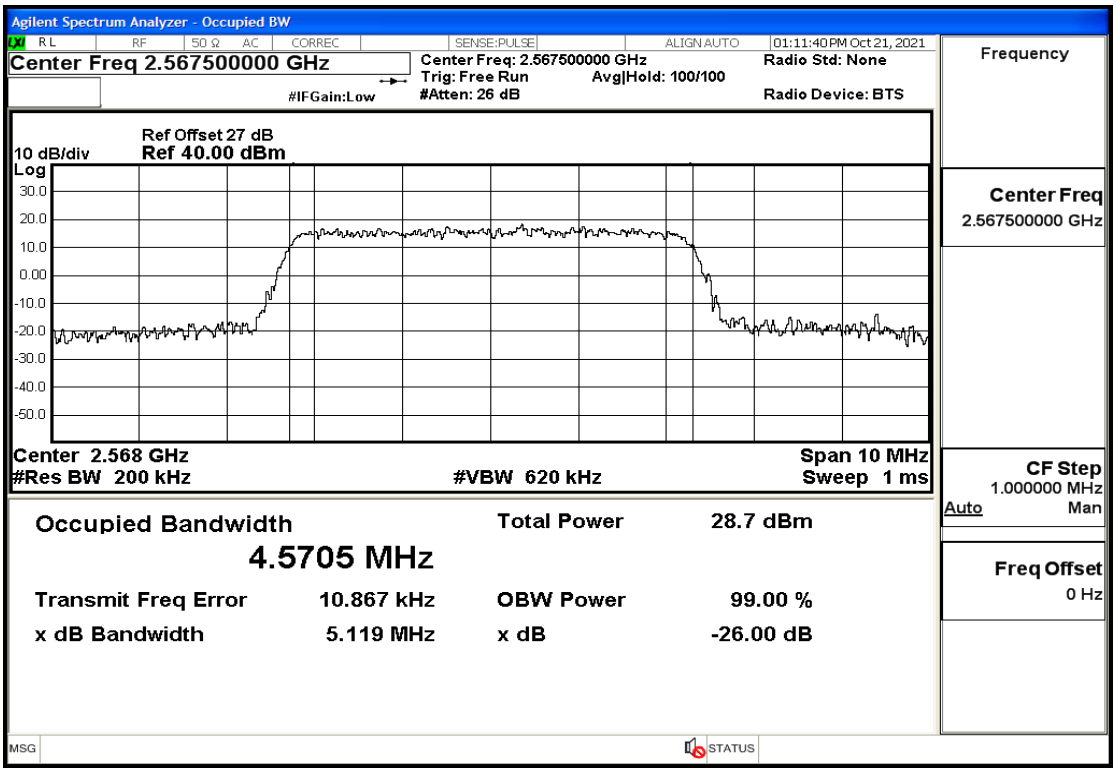

Band7-5-2535-16QAM-25#LOW@26dB and 99PCT Bandwidth



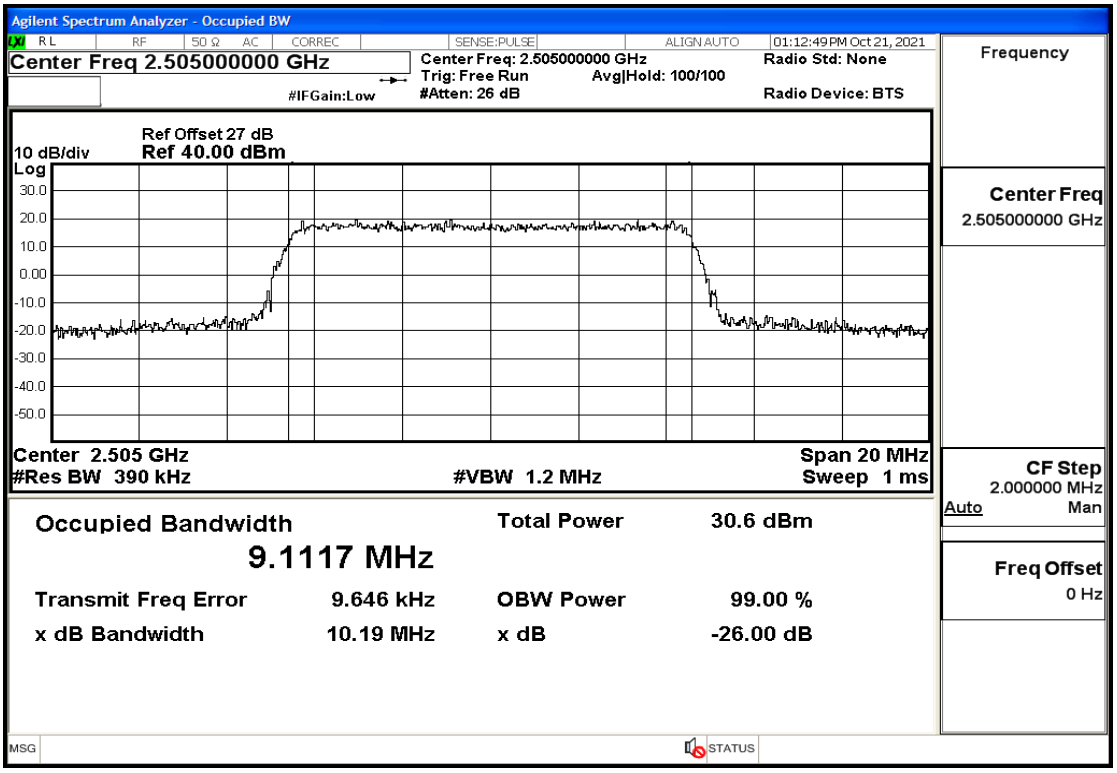
Band7-5-2567.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



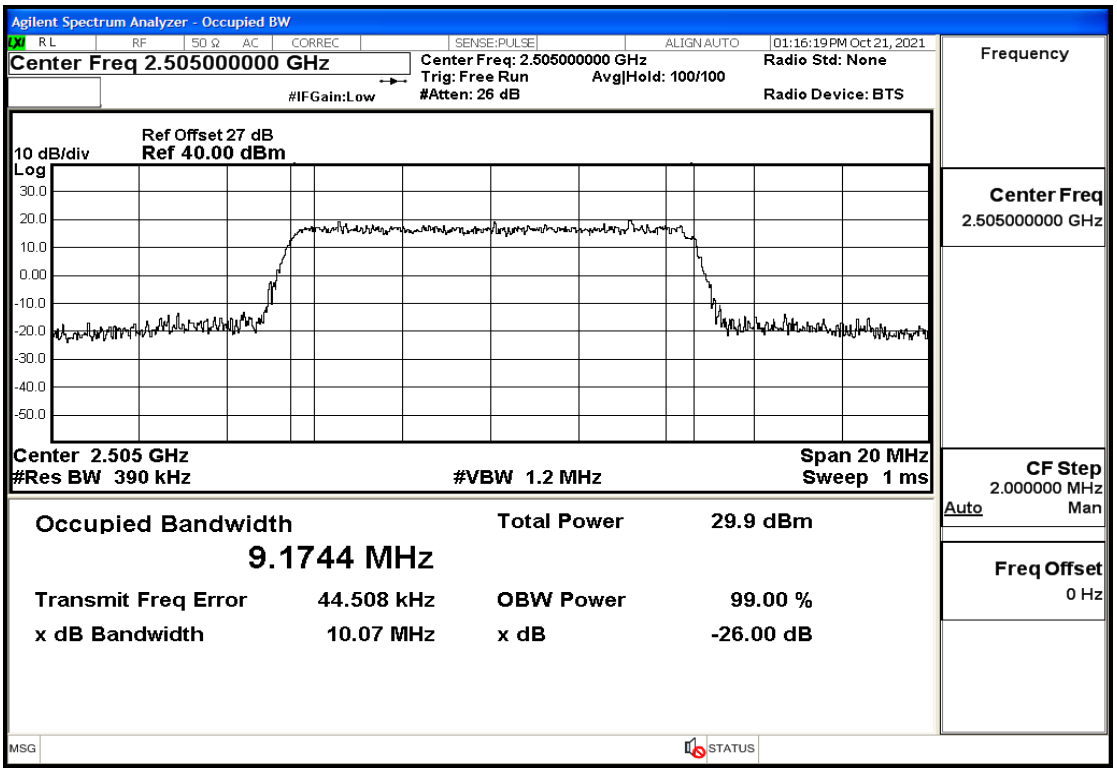

Band7-5-2567.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



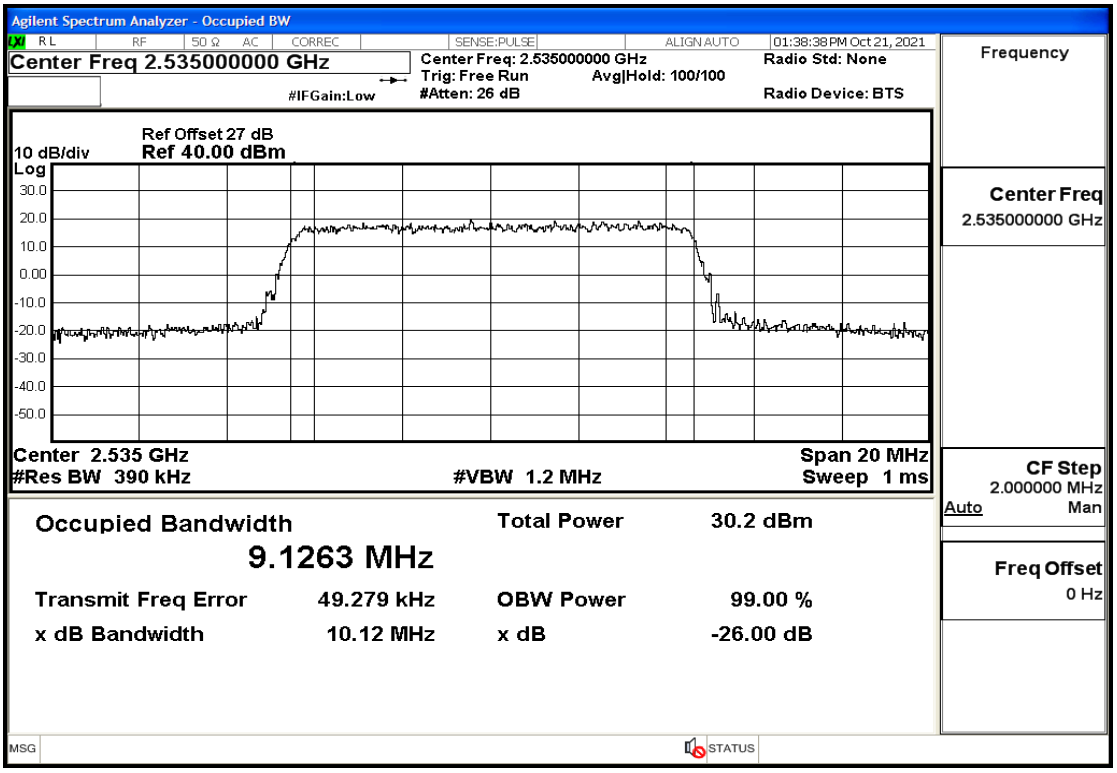
Band7-10-2505-QPSK-50#LOW@26dB and 99PCT Bandwidth



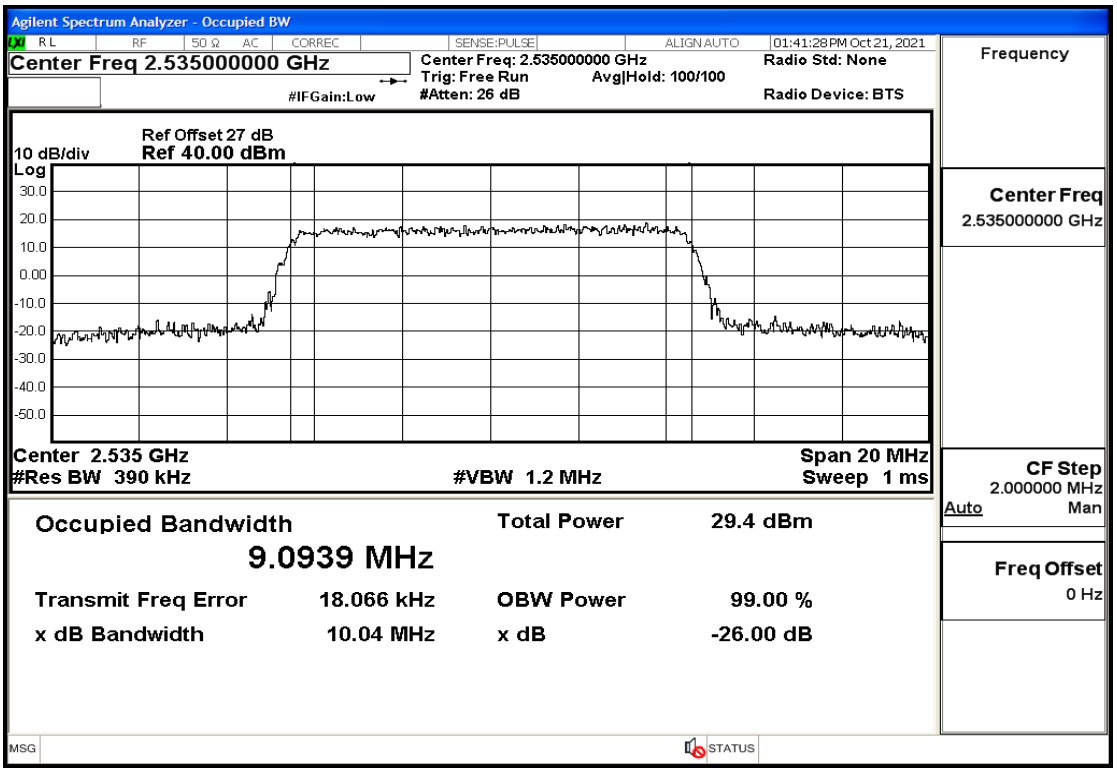

Band7-10-2505-16QAM-50#LOW@26dB and 99PCT Bandwidth



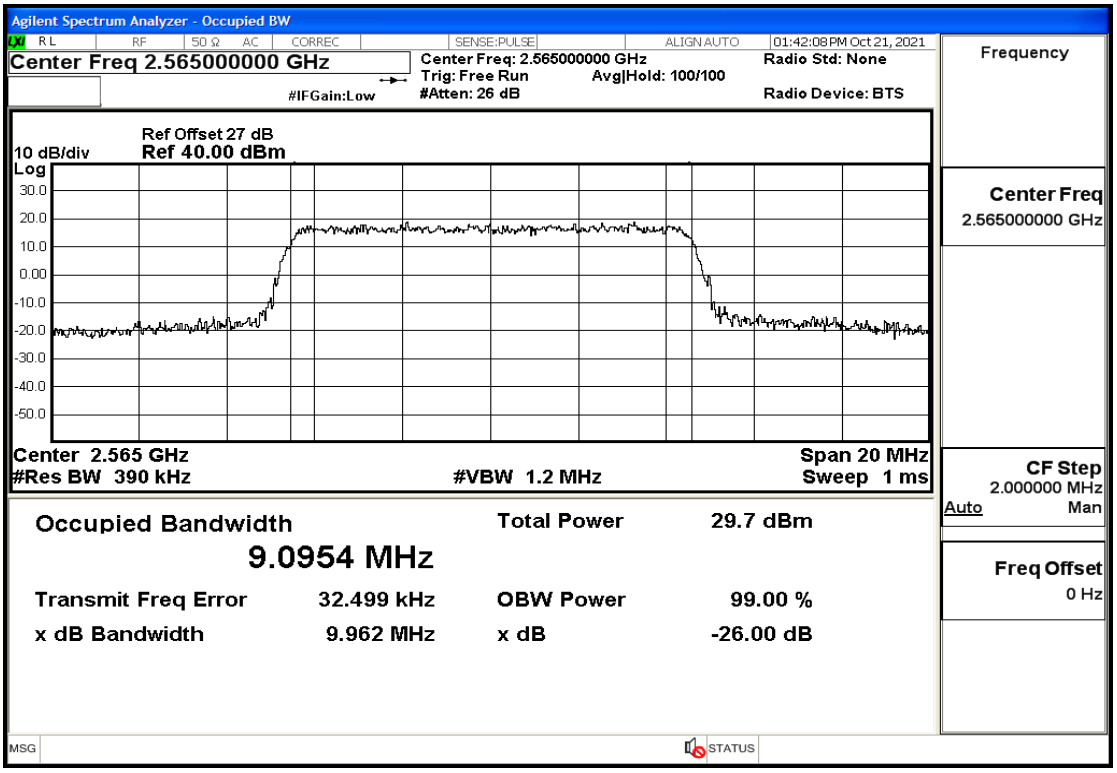
Band7-10-2535-QPSK-50#LOW@26dB and 99PCT Bandwidth



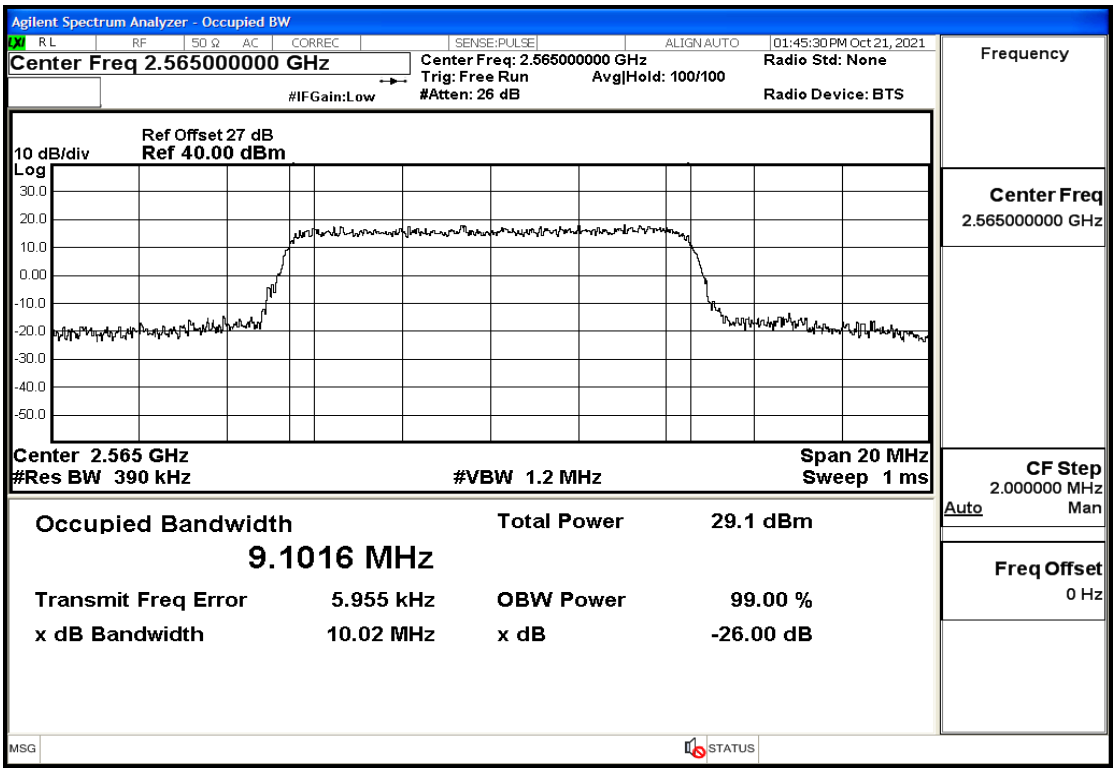

Band7-10-2535-16QAM-50#LOW@26dB and 99PCT Bandwidth



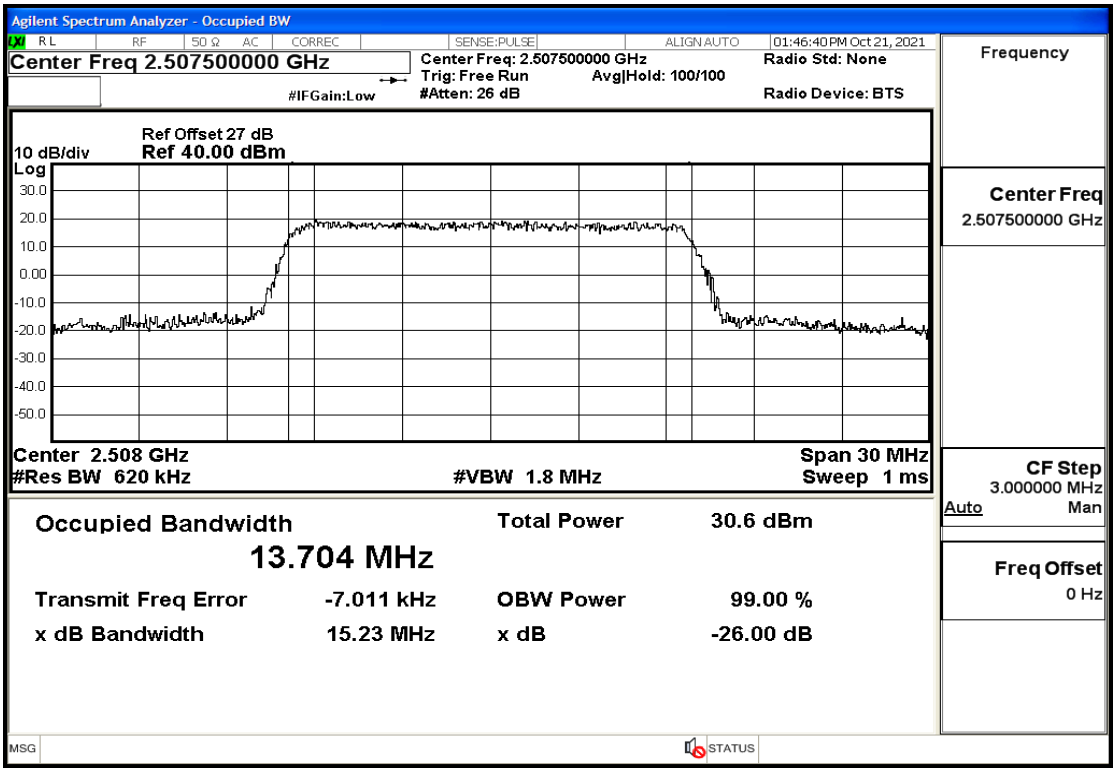
Band7-10-2565-QPSK-50#LOW@26dB and 99PCT Bandwidth



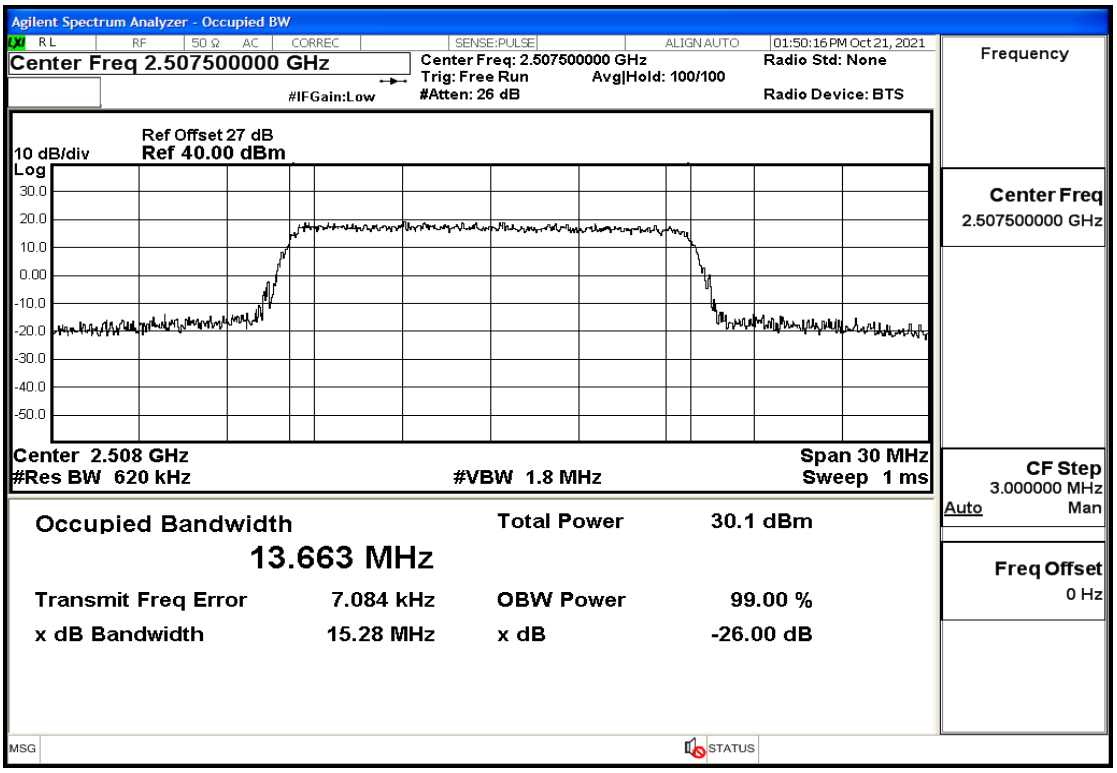

Band7-10-2565-16QAM-50#LOW@26dB and 99PCT Bandwidth



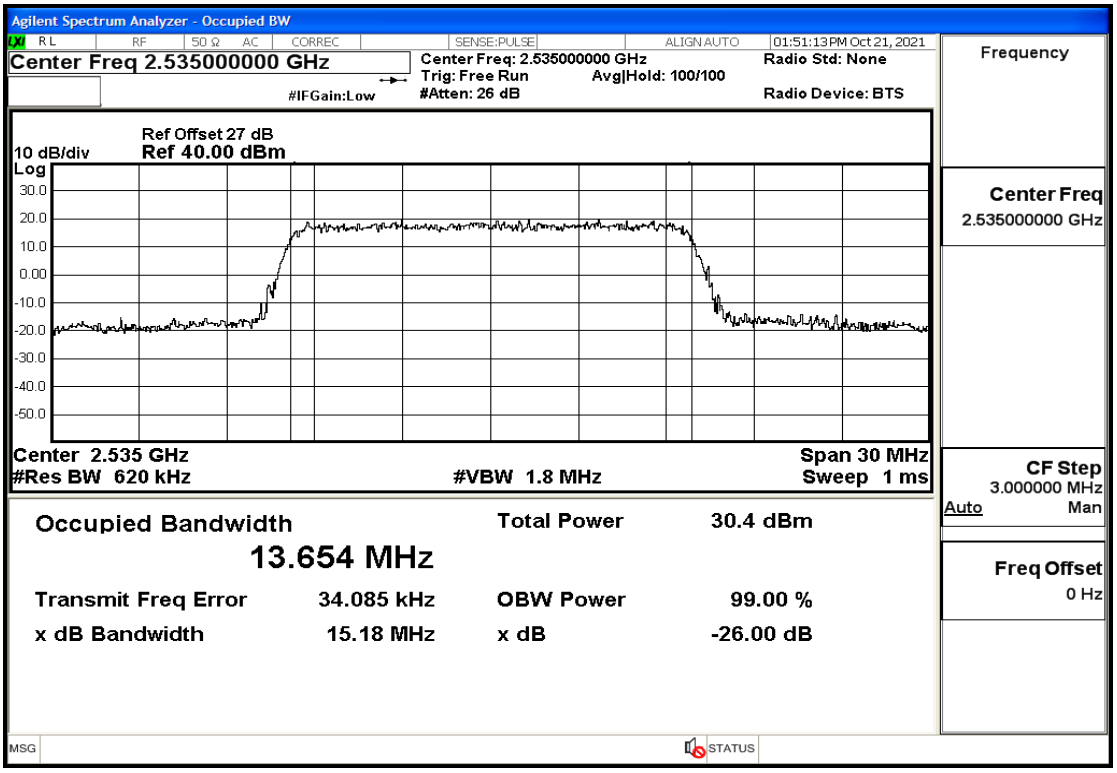
Band7-15-2507.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



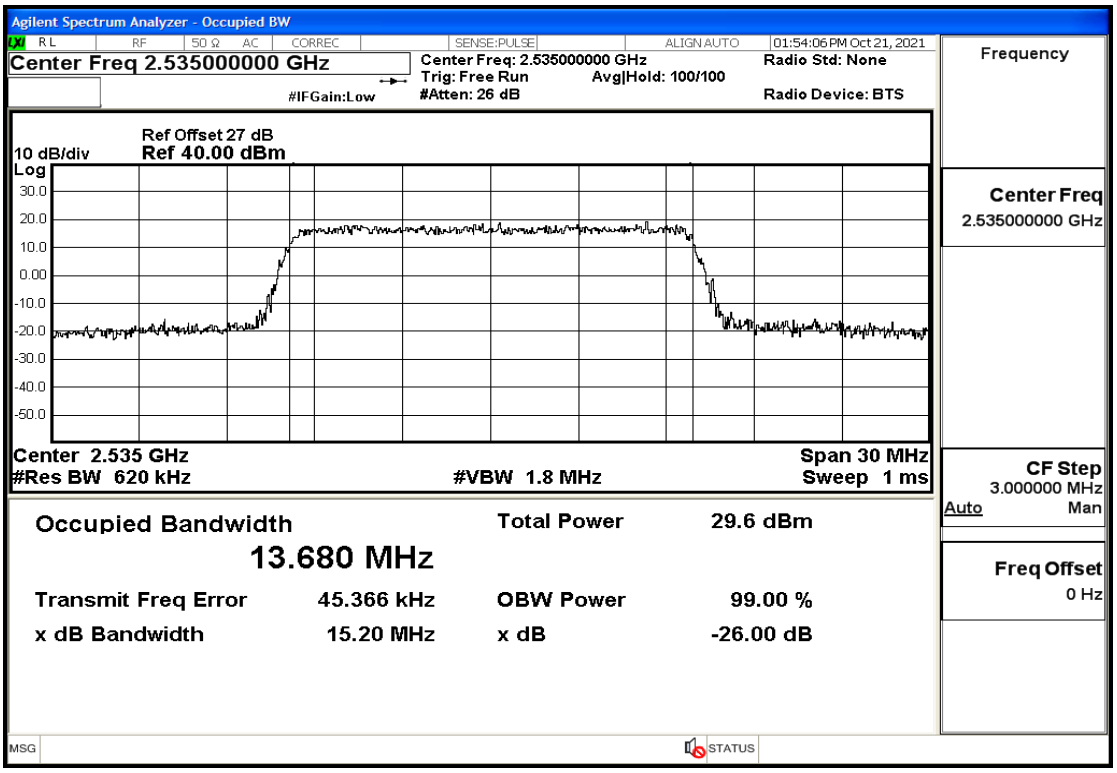

Band7-15-2507.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



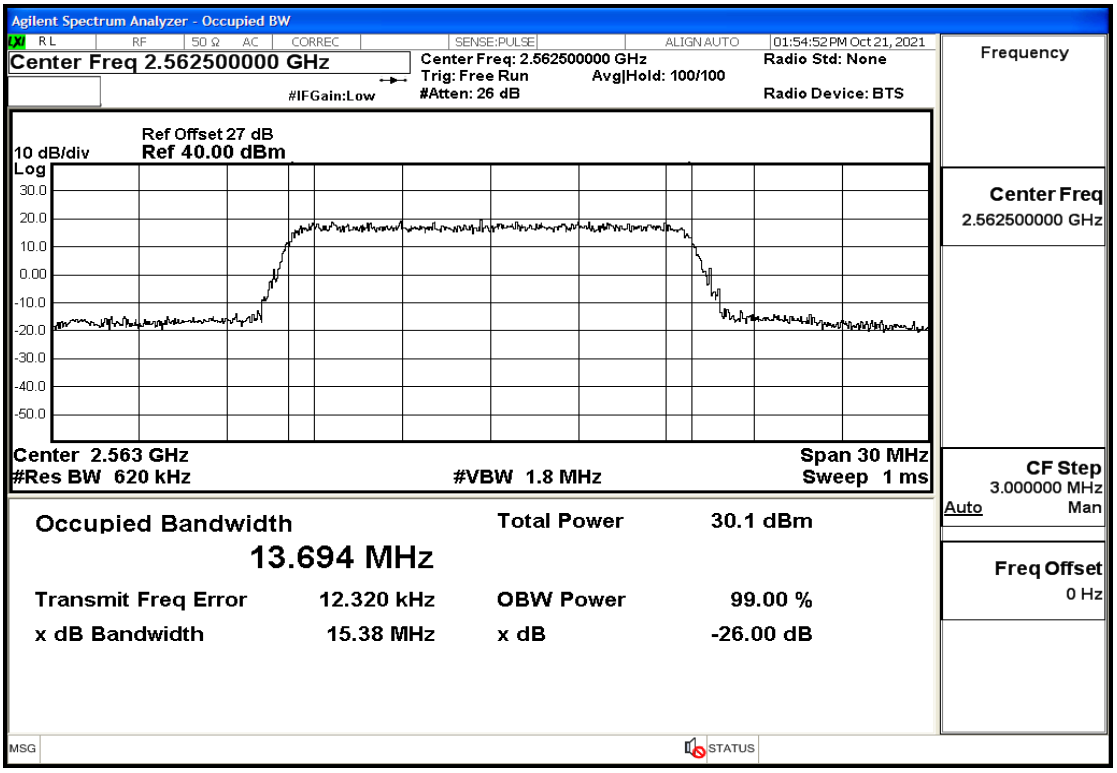
Band7-15-2535-QPSK-75#LOW@26dB and 99PCT Bandwidth



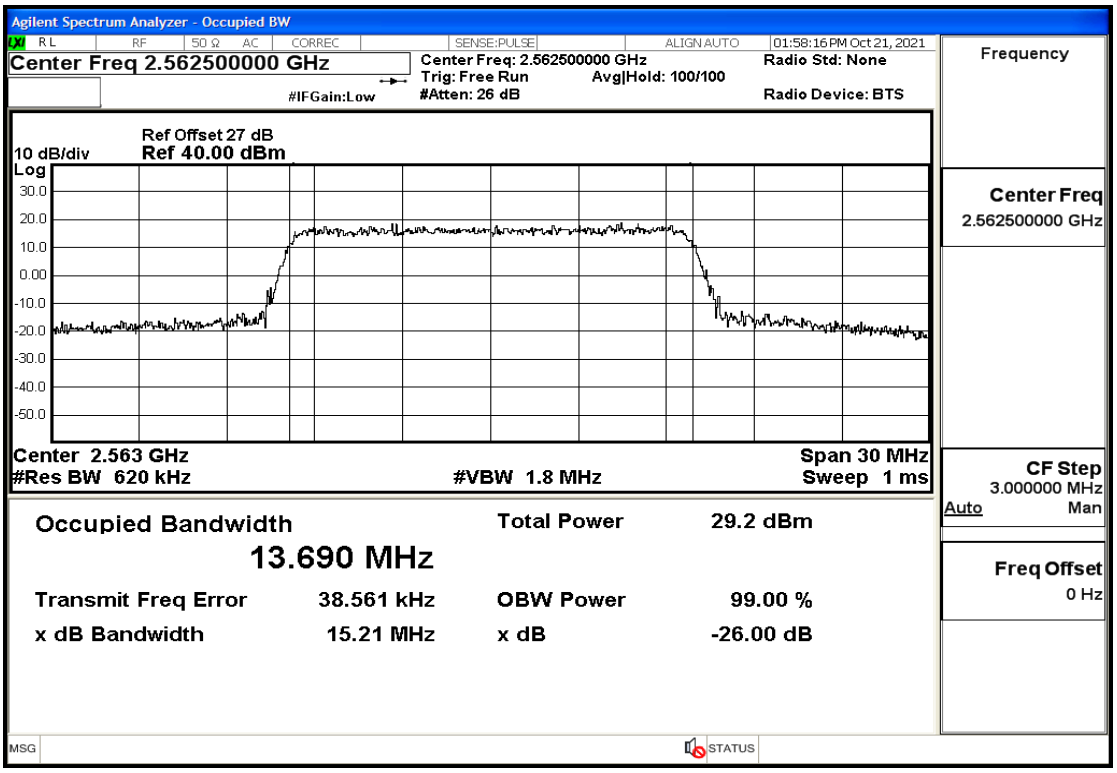

Band7-15-2535-16QAM-75#LOW@26dB and 99PCT Bandwidth



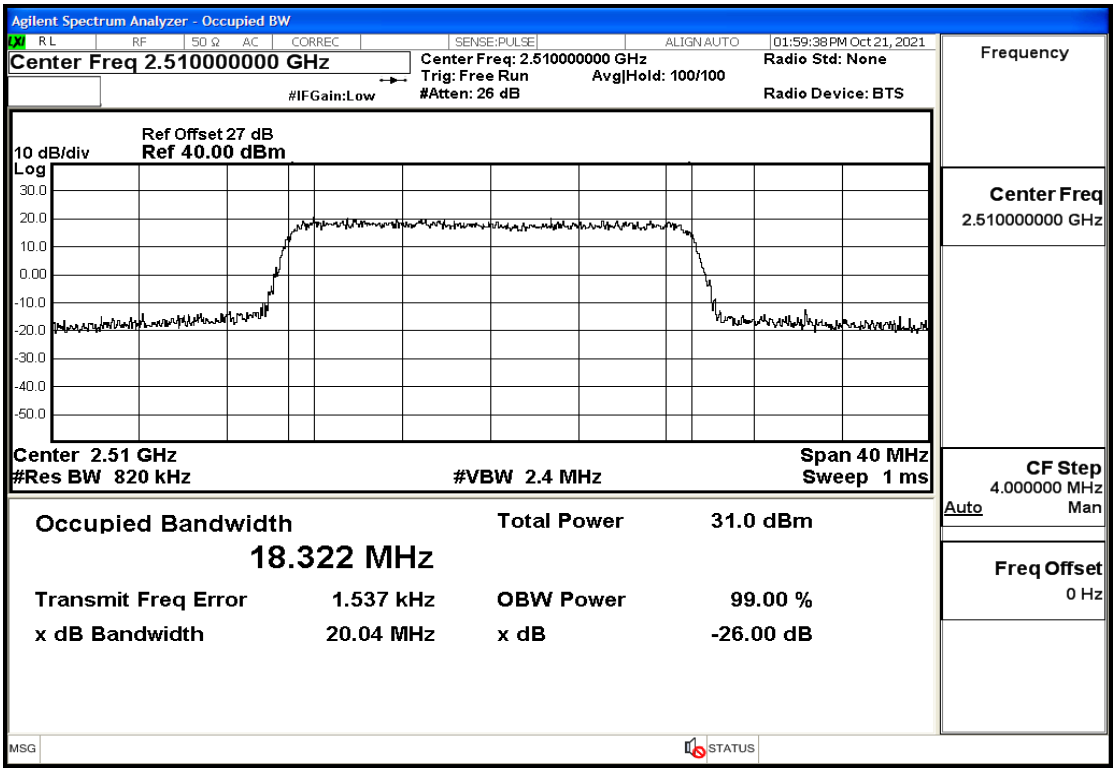
Band7-15-2562.5-QPSK-75#LOW@26dB and 99PCT Bandwidth



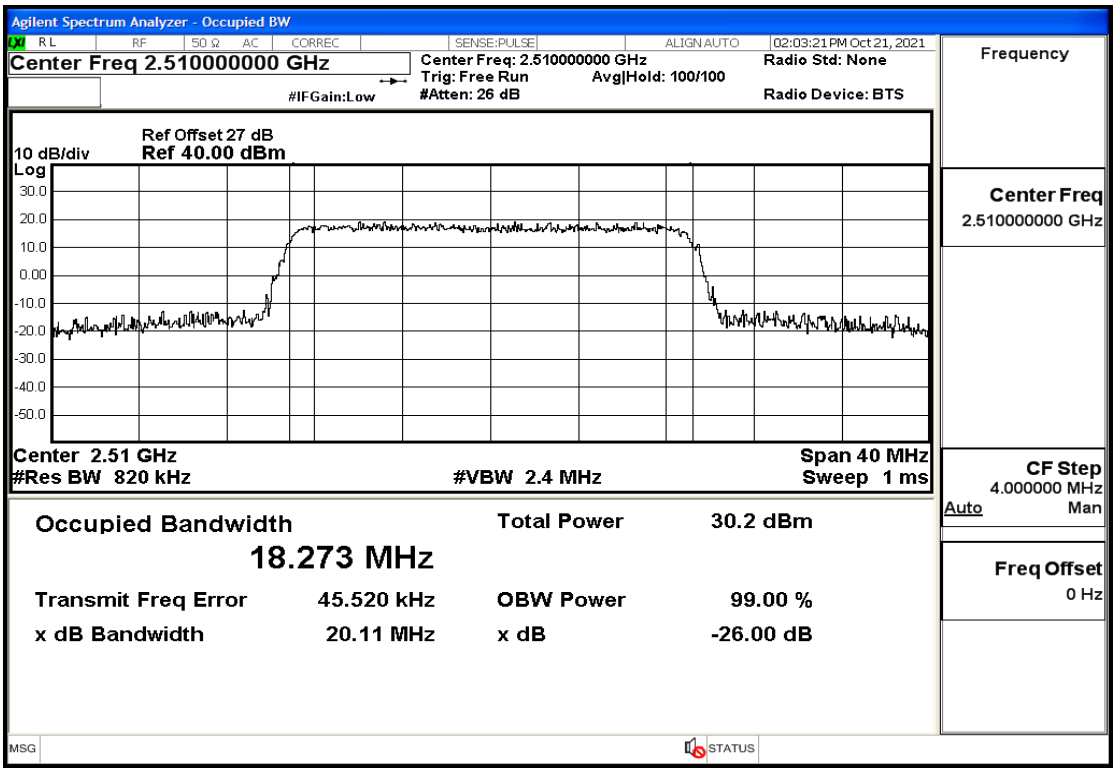

Band7-15-2562.5-16QAM-75#LOW@26dB and 99PCT Bandwidth



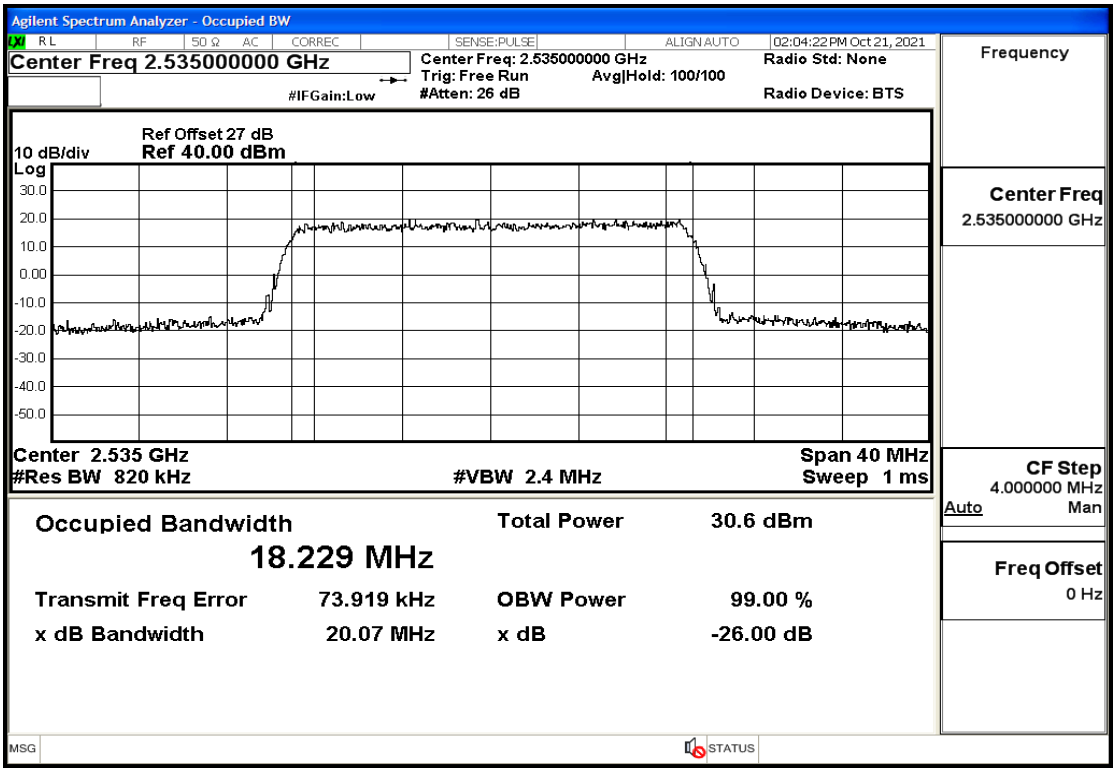
Band7-20-2510-QPSK-100#LOW@26dB and 99PCT Bandwidth



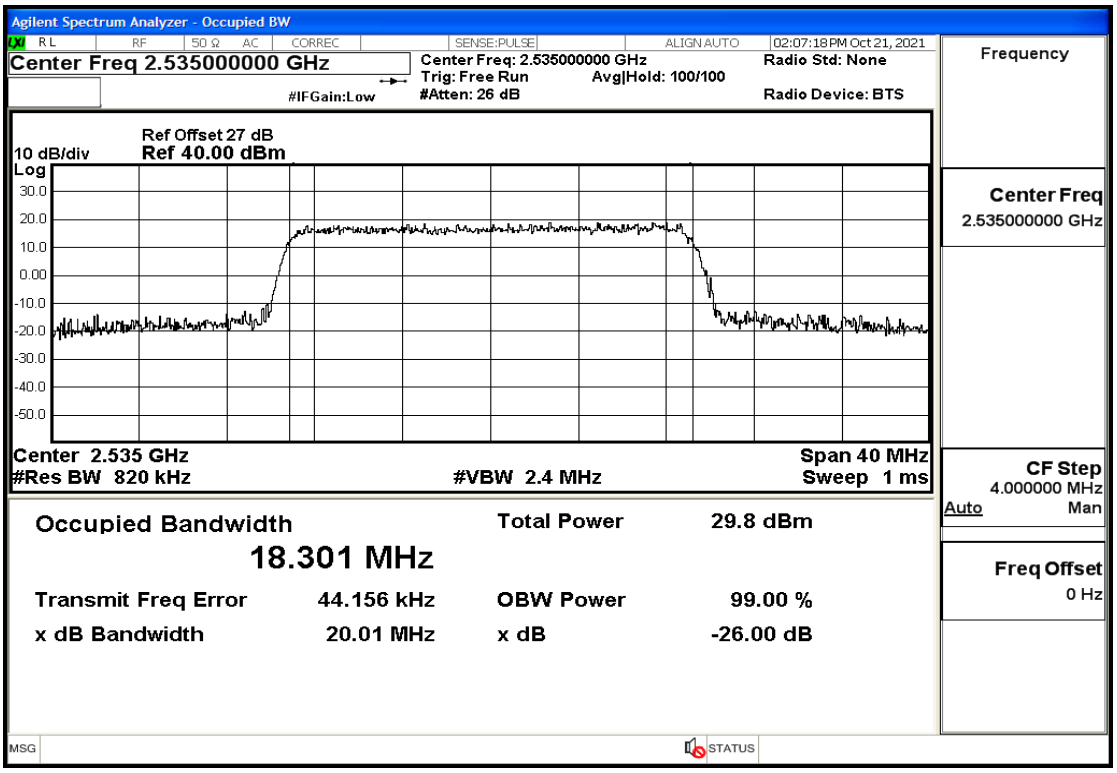

Band7-20-2510-16QAM-100#LOW@26dB and 99PCT Bandwidth



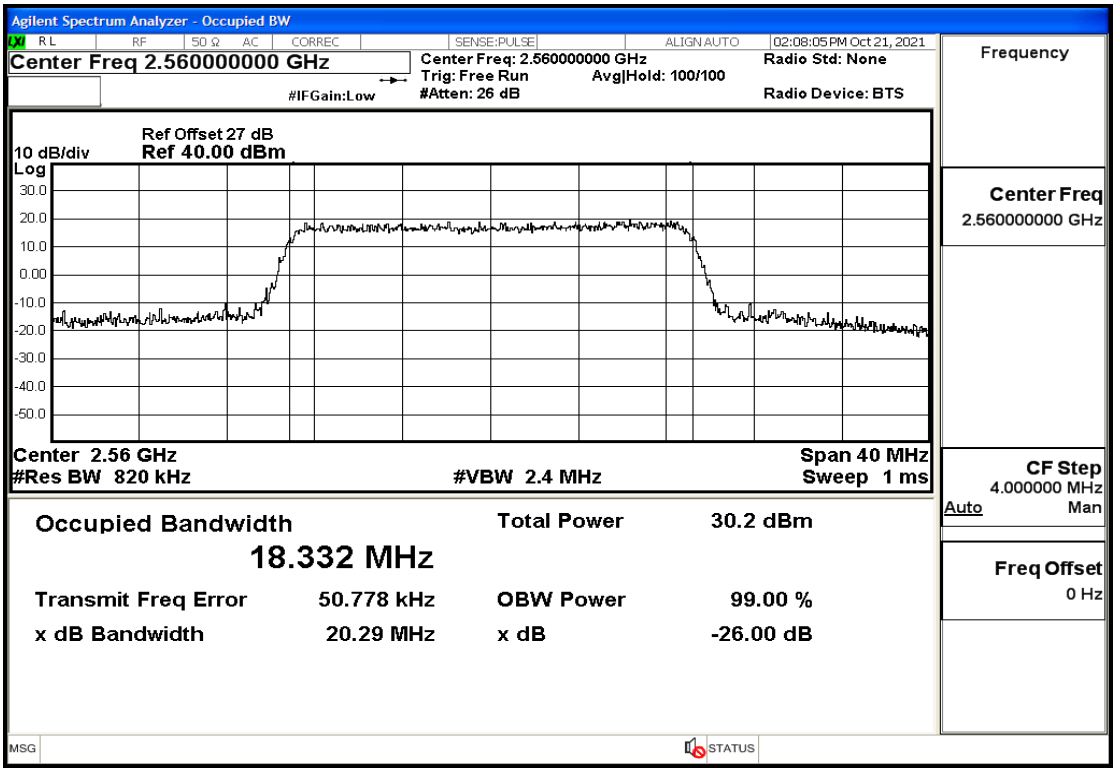
Band7-20-2535-QPSK-100#LOW@26dB and 99PCT Bandwidth



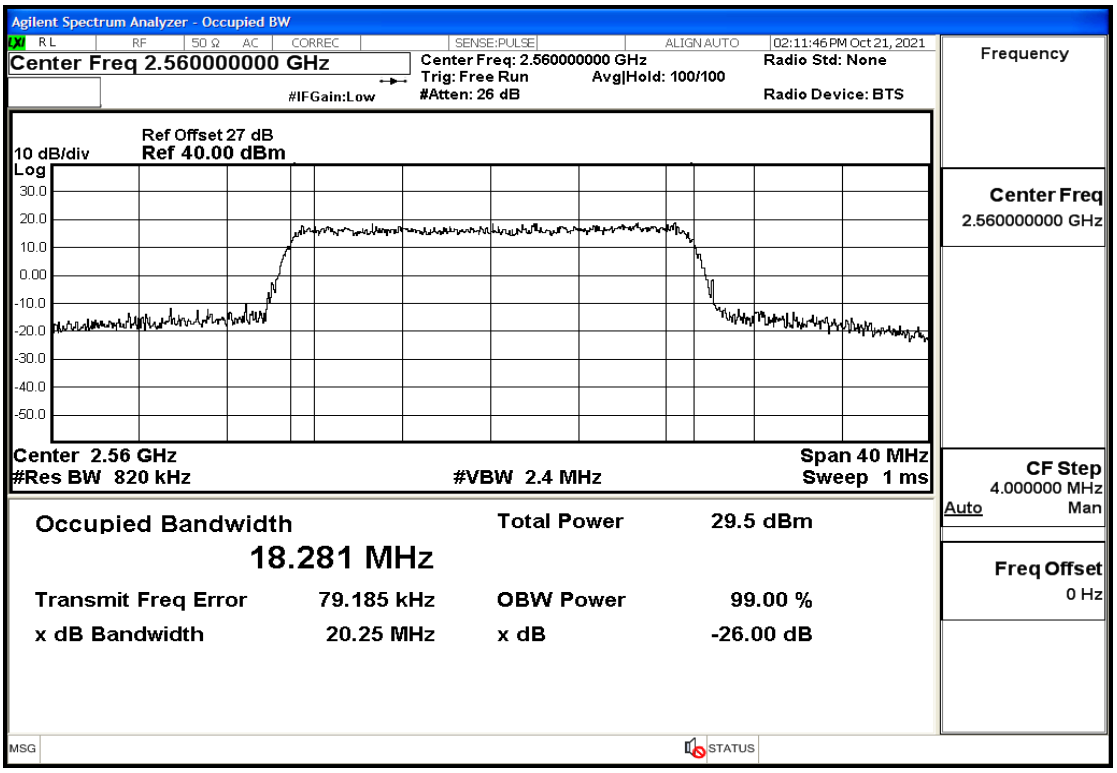

Band7-20-2535-16QAM-100#LOW@26dB and 99PCT Bandwidth



Band7-20-2560-QPSK-100#LOW@26dB and 99PCT Bandwidth




Band7-20-2560-16QAM-100#LOW@26dB and 99PCT Bandwidth



# Frequency Stability

| Test Conditions | | LTE Band 5 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 5MHz | 2.5ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0659 | PASS |
| 40 | Normal Voltage | 0.0396 | |
| 30 | Normal Voltage | 0.0199 | |
| 20(Ref.) | Normal Voltage | 0.0279 | |
| 10 | Normal Voltage | 0.0636 | |
| 0 | Normal Voltage | 0.0186 | |
| -10 | Normal Voltage | 0.0426 | |
| -20 | Normal Voltage | 0.0364 | |
| -30 | Normal Voltage | 0.0178 | |
| 20 | Maximum Voltage | 0.0192 | |
| 20 | Normal Voltage | 0.0243 | |
| 20 | Battery End Point | 0.0674 | |

# 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Band7 | 5 | 2502.5 | QPSK | 25 | LOW | 22.78 | 28.68 | 5.9 | 13 | 1.02 | 23.8 | 33 | Pass |
| Band7 | 5 | 2502.5 | QPSK | 12 | LOW | 22.96 | 28.32 | 5.36 | 13 | 1.02 | 23.98 | 33 | Pass |
| Band7 | 5 | 2502.5 | QPSK | 12 | MID | 22.95 | 28.09 | 5.14 | 13 | 1.02 | 23.97 | 33 | Pass |
| Band7 | 5 | 2502.5 | QPSK | 12 | HIGH | 22.94 | 28.38 | 5.44 | 13 | 1.02 | 23.96 | 33 | Pass |
| Band7 | 5 | 2502.5 | QPSK | 1 | LOW | 23.88 | 28.27 | 4.39 | 13 | 1.02 | 24.9 | 33 | Pass |
| Band7 | 5 | 2502.5 | QPSK | 1 | MID | 23.98 | 28.32 | 4.34 | 13 | 1.02 | 25 | 33 | Pass |
| Band7 | 5 | 2502.5 | QPSK | 1 | HIGH | 23.96 | 28.38 | 4.42 | 13 | 1.02 | 24.98 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 25 | LOW | 22.25 | 28.66 | 6.41 | 13 | 1.02 | 23.27 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 12 | LOW | 21.97 | 28.45 | 6.48 | 13 | 1.02 | 22.99 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 12 | MID | 21.98 | 28.35 | 6.37 | 13 | 1.02 | 23 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 12 | HIGH | 21.96 | 28.41 | 6.45 | 13 | 1.02 | 22.98 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 1 | LOW | 22.33 | 27.46 | 5.13 | 13 | 1.02 | 23.35 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 1 | MID | 22.42 | 27.55 | 5.13 | 13 | 1.02 | 23.44 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 1 | HIGH | 22.44 | 27.61 | 5.17 | 13 | 1.02 | 23.46 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 25 | LOW | 22.46 | 28.76 | 6.3 | 13 | 1.02 | 23.48 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 12 | LOW | 22.48 | 28.37 | 5.89 | 13 | 1.02 | 23.5 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 12 | MID | 22.6 | 28.41 | 5.81 | 13 | 1.02 | 23.62 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 12 | HIGH | 22.59 | 28.45 | 5.86 | 13 | 1.02 | 23.61 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 1 | LOW | 23.41 | 27.92 | 4.51 | 13 | 1.02 | 24.43 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 1 | MID | 23.58 | 27.94 | 4.36 | 13 | 1.02 | 24.6 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 1 | HIGH | 23.55 | 27.95 | 4.4 | 13 | 1.02 | 24.57 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 25 | LOW | 21.78 | 29.37 | 7.59 | 13 | 1.02 | 22.8 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 12 | LOW | 21.83 | 28.05 | 6.22 | 13 | 1.02 | 22.85 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 12 | MID | 21.84 | 28.04 | 6.2 | 13 | 1.02 | 22.86 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 12 | HIGH | 21.86 | 28.13 | 6.27 | 13 | 1.02 | 22.88 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 1 | LOW | 22.85 | 27.92 | 5.07 | 13 | 1.02 | 23.87 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 1 | MID | 22.77 | 27.88 | 5.11 | 13 | 1.02 | 23.79 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 1 | HIGH | 22.71 | 27.86 | 5.15 | 13 | 1.02 | 23.73 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 25 | LOW | 22.01 | 27.51 | 5.5 | 13 | 1.02 | 23.03 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 12 | LOW | 22.02 | 27.09 | 5.07 | 13 | 1.02 | 23.04 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 12 | MID | 22.01 | 27.21 | 5.2 | 13 | 1.02 | 23.03 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 12 | HIGH | 22.13 | 26.91 | 4.78 | 13 | 1.02 | 23.15 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 1 | LOW | 22.46 | 27.03 | 4.57 | 13 | 1.02 | 23.48 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 1 | MID | 23 | 26.89 | 3.89 | 13 | 1.02 | 24.02 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 1 | HIGH | 22.55 | 26.61 | 4.06 | 13 | 1.02 | 23.57 | 33 | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 25 | LOW | 21.08 | 28.09 | 7.01 | 13 | 1.02 | 22.1 | 33 | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 12 | LOW | 21.11 | 27.23 | 6.12 | 13 | 1.02 | 22.13 | 33 | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 12 | MID | 21.38 | 27.42 | 6.04 | 13 | 1.02 | 22.4 | 33 | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 12 | HIGH | 21.09 | 27.2 | 6.11 | 13 | 1.02 | 22.11 | 33 | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 1 | LOW | 21.83 | 27.28 | 5.45 | 13 | 1.02 | 22.85 | 33 | Pass |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Band7 | 5 | 2567.5 | 16QAM | 1 | MID | 21.83 | 27.1 | 5.27 | 13 | 1.02 | 22.85 | 33 | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 1 | HIGH | 21.77 | 27.07 | 5.3 | 13 | 1.02 | 22.79 | 33 | Pass |
| Band7 | 10 | 2505 | QPSK | 50 | LOW | 22.77 | 28.73 | 5.96 | 13 | 1.02 | 23.79 | 33 | Pass |
| Band7 | 10 | 2505 | QPSK | 25 | LOW | 22.93 | 28.4 | 5.47 | 13 | 1.02 | 23.95 | 33 | Pass |
| Band7 | 10 | 2505 | QPSK | 25 | MID | 22.93 | 28.45 | 5.52 | 13 | 1.02 | 23.95 | 33 | Pass |
| Band7 | 10 | 2505 | QPSK | 25 | HIGH | 22.88 | 28.45 | 5.57 | 13 | 1.02 | 23.9 | 33 | Pass |
| Band7 | 10 | 2505 | QPSK | 1 | LOW | 23.79 | 27.86 | 4.07 | 13 | 1.02 | 24.81 | 33 | Pass |
| Band7 | 10 | 2505 | QPSK | 1 | MID | 23.82 | 27.94 | 4.12 | 13 | 1.02 | 24.84 | 33 | Pass |
| Band7 | 10 | 2505 | QPSK | 1 | HIGH | 23.87 | 28.04 | 4.17 | 13 | 1.02 | 24.89 | 33 | Pass |
| Band7 | 10 | 2505 | 16QAM | 50 | LOW | 22.24 | 29.12 | 6.88 | 13 | 1.02 | 23.26 | 33 | Pass |
| Band7 | 10 | 2505 | 16QAM | 25 | LOW | 22.04 | 28.42 | 6.38 | 13 | 1.02 | 23.06 | 33 | Pass |
| Band7 | 10 | 2505 | 16QAM | 25 | MID | 22.07 | 28.38 | 6.31 | 13 | 1.02 | 23.09 | 33 | Pass |
| Band7 | 10 | 2505 | 16QAM | 25 | HIGH | 22.01 | 28.51 | 6.5 | 13 | 1.02 | 23.03 | 33 | Pass |
| Band7 | 10 | 2505 | 16QAM | 1 | LOW | 23.15 | 28.09 | 4.94 | 13 | 1.02 | 24.17 | 33 | Pass |
| Band7 | 10 | 2505 | 16QAM | 1 | MID | 23.18 | 28.24 | 5.06 | 13 | 1.02 | 24.2 | 33 | Pass |
| Band7 | 10 | 2505 | 16QAM | 1 | HIGH | 23.24 | 28.29 | 5.05 | 13 | 1.02 | 24.26 | 33 | Pass |
| Band7 | 10 | 2535 | QPSK | 50 | LOW | 22.55 | 28.56 | 6.01 | 13 | 1.02 | 23.57 | 33 | Pass |
| Band7 | 10 | 2535 | QPSK | 25 | LOW | 22.67 | 28.18 | 5.51 | 13 | 1.02 | 23.69 | 33 | Pass |
| Band7 | 10 | 2535 | QPSK | 25 | MID | 22.66 | 28.23 | 5.57 | 13 | 1.02 | 23.68 | 33 | Pass |
| Band7 | 10 | 2535 | QPSK | 25 | HIGH | 22.53 | 28.26 | 5.73 | 13 | 1.02 | 23.55 | 33 | Pass |
| Band7 | 10 | 2535 | QPSK | 1 | LOW | 23.4 | 27.92 | 4.52 | 13 | 1.02 | 24.42 | 33 | Pass |
| Band7 | 10 | 2535 | QPSK | 1 | MID | 23.7 | 27.91 | 4.21 | 13 | 1.02 | 24.72 | 33 | Pass |
| Band7 | 10 | 2535 | QPSK | 1 | HIGH | 23.63 | 27.83 | 4.2 | 13 | 1.02 | 24.65 | 33 | Pass |
| Band7 | 10 | 2535 | 16QAM | 50 | LOW | 21.79 | 28.31 | 6.52 | 13 | 1.02 | 22.81 | 33 | Pass |
| Band7 | 10 | 2535 | 16QAM | 25 | LOW | 21.94 | 28.55 | 6.61 | 13 | 1.02 | 22.96 | 33 | Pass |
| Band7 | 10 | 2535 | 16QAM | 25 | MID | 21.96 | 28.63 | 6.67 | 13 | 1.02 | 22.98 | 33 | Pass |
| Band7 | 10 | 2535 | 16QAM | 25 | HIGH | 21.83 | 28.51 | 6.68 | 13 | 1.02 | 22.85 | 33 | Pass |
| Band7 | 10 | 2535 | 16QAM | 1 | LOW | 22.99 | 28.21 | 5.22 | 13 | 1.02 | 24.01 | 33 | Pass |
| Band7 | 10 | 2535 | 16QAM | 1 | MID | 22.91 | 27.3 | 4.39 | 13 | 1.02 | 23.93 | 33 | Pass |
| Band7 | 10 | 2535 | 16QAM | 1 | HIGH | 22.85 | 28.13 | 5.28 | 13 | 1.02 | 23.87 | 33 | Pass |
| Band7 | 10 | 2565 | QPSK | 50 | LOW | 22.15 | 27.54 | 5.39 | 13 | 1.02 | 23.17 | 33 | Pass |
| Band7 | 10 | 2565 | QPSK | 25 | LOW | 22.07 | 27.68 | 5.61 | 13 | 1.02 | 23.09 | 33 | Pass |
| Band7 | 10 | 2565 | QPSK | 25 | MID | 22.05 | 27.57 | 5.52 | 13 | 1.02 | 23.07 | 33 | Pass |
| Band7 | 10 | 2565 | QPSK | 25 | HIGH | 22.15 | 27.59 | 5.44 | 13 | 1.02 | 23.17 | 33 | Pass |
| Band7 | 10 | 2565 | QPSK | 1 | LOW | 22.09 | 26.81 | 4.72 | 13 | 1.02 | 23.11 | 33 | Pass |
| Band7 | 10 | 2565 | QPSK | 1 | MID | 22.73 | 26.9 | 4.17 | 13 | 1.02 | 23.75 | 33 | Pass |
| Band7 | 10 | 2565 | QPSK | 1 | HIGH | 23.01 | 26.76 | 3.75 | 13 | 1.02 | 24.03 | 33 | Pass |
| Band7 | 10 | 2565 | 16QAM | 50 | LOW | 21.24 | 28.22 | 6.98 | 13 | 1.02 | 22.26 | 33 | Pass |
| Band7 | 10 | 2565 | 16QAM | 25 | LOW | 21.47 | 27.74 | 6.27 | 13 | 1.02 | 22.49 | 33 | Pass |
| Band7 | 10 | 2565 | 16QAM | 25 | MID | 21.45 | 27.74 | 6.29 | 13 | 1.02 | 22.47 | 33 | Pass |
| Band7 | 10 | 2565 | 16QAM | 25 | HIGH | 21.49 | 27.55 | 6.06 | 13 | 1.02 | 22.51 | 33 | Pass |
| Band7 | 10 | 2565 | 16QAM | 1 | LOW | 22.06 | 26.72 | 4.66 | 13 | 1.02 | 23.08 | 33 | Pass |
| Band7 | 10 | 2565 | 16QAM | 1 | MID | 21.92 | 26.55 | 4.63 | 13 | 1.02 | 22.94 | 33 | Pass |
| Band7 | 10 | 2565 | 16QAM | 1 | HIGH | 21.87 | 26.26 | 4.39 | 13 | 1.02 | 22.89 | 33 | Pass |
| Band7 | 15 | 2507.5 | QPSK | 75 | LOW | 22.86 | 29.26 | 6.4 | 13 | 1.02 | 23.88 | 33 | Pass |
| Band7 | 15 | 2507.5 | QPSK | 38 | LOW | 22.98 | 29.26 | 6.28 | 13 | 1.02 | 24 | 33 | Pass |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Band7 | 15 | 2507.5 | QPSK | 38 | MID | 22.98 | 29.26 | 6.28 | 13 | 1.02 | 24 | 33 | Pass |
| Band7 | 15 | 2507.5 | QPSK | 38 | HIGH | 22.98 | 29.26 | 6.28 | 13 | 1.02 | 24 | 33 | Pass |
| Band7 | 15 | 2507.5 | QPSK | 1 | LOW | 23.85 | 27.89 | 4.04 | 13 | 1.02 | 24.87 | 33 | Pass |
| Band7 | 15 | 2507.5 | QPSK | 1 | MID | 23.93 | 28.03 | 4.1 | 13 | 1.02 | 24.95 | 33 | Pass |
| Band7 | 15 | 2507.5 | QPSK | 1 | HIGH | 23.79 | 28.23 | 4.44 | 13 | 1.02 | 24.81 | 33 | Pass |
| Band7 | 15 | 2507.5 | 16QAM | 75 | LOW | 22.26 | 29.01 | 6.75 | 13 | 1.02 | 23.28 | 33 | Pass |
| Band7 | 15 | 2507.5 | 16QAM | 38 | LOW | 22.02 | 28.87 | 6.85 | 13 | 1.02 | 23.04 | 33 | Pass |
| Band7 | 15 | 2507.5 | 16QAM | 38 | MID | 22.03 | 28.87 | 6.84 | 13 | 1.02 | 23.05 | 33 | Pass |
| Band7 | 15 | 2507.5 | 16QAM | 38 | HIGH | 22.05 | 28.91 | 6.86 | 13 | 1.02 | 23.07 | 33 | Pass |
| Band7 | 15 | 2507.5 | 16QAM | 1 | LOW | 23.38 | 28.35 | 4.97 | 13 | 1.02 | 24.4 | 33 | Pass |
| Band7 | 15 | 2507.5 | 16QAM | 1 | MID | 23.3 | 28.25 | 4.95 | 13 | 1.02 | 24.32 | 33 | Pass |
| Band7 | 15 | 2507.5 | 16QAM | 1 | HIGH | 23.34 | 28.19 | 4.85 | 13 | 1.02 | 24.36 | 33 | Pass |
| Band7 | 15 | 2535 | QPSK | 75 | LOW | 22.64 | 28.84 | 6.2 | 13 | 1.02 | 23.66 | 33 | Pass |
| Band7 | 15 | 2535 | QPSK | 38 | LOW | 22.55 | 28.89 | 6.34 | 13 | 1.02 | 23.57 | 33 | Pass |
| Band7 | 15 | 2535 | QPSK | 38 | MID | 22.54 | 28.93 | 6.39 | 13 | 1.02 | 23.56 | 33 | Pass |
| Band7 | 15 | 2535 | QPSK | 38 | HIGH | 22.54 | 28.91 | 6.37 | 13 | 1.02 | 23.56 | 33 | Pass |
| Band7 | 15 | 2535 | QPSK | 1 | LOW | 23.5 | 27.95 | 4.45 | 13 | 1.02 | 24.52 | 33 | Pass |
| Band7 | 15 | 2535 | QPSK | 1 | MID | 23.63 | 27.9 | 4.27 | 13 | 1.02 | 24.65 | 33 | Pass |
| Band7 | 15 | 2535 | QPSK | 1 | HIGH | 23.46 | 27.7 | 4.24 | 13 | 1.02 | 24.48 | 33 | Pass |
| Band7 | 15 | 2535 | 16QAM | 75 | LOW | 21.79 | 28.74 | 6.95 | 13 | 1.02 | 22.81 | 33 | Pass |
| Band7 | 15 | 2535 | 16QAM | 38 | LOW | 21.74 | 28.75 | 7.01 | 13 | 1.02 | 22.76 | 33 | Pass |
| Band7 | 15 | 2535 | 16QAM | 38 | MID | 21.76 | 28.78 | 7.02 | 13 | 1.02 | 22.78 | 33 | Pass |
| Band7 | 15 | 2535 | 16QAM | 38 | HIGH | 21.78 | 28.77 | 6.99 | 13 | 1.02 | 22.8 | 33 | Pass |
| Band7 | 15 | 2535 | 16QAM | 1 | LOW | 23.47 | 28.59 | 5.12 | 13 | 1.02 | 24.49 | 33 | Pass |
| Band7 | 15 | 2535 | 16QAM | 1 | MID | 23.44 | 27.6 | 4.16 | 13 | 1.02 | 24.46 | 33 | Pass |
| Band7 | 15 | 2535 | 16QAM | 1 | HIGH | 23.35 | 28.04 | 4.69 | 13 | 1.02 | 24.37 | 33 | Pass |
| Band7 | 15 | 2562.5 | QPSK | 75 | LOW | 22.14 | 28.24 | 6.1 | 13 | 1.02 | 23.16 | 33 | Pass |
| Band7 | 15 | 2562.5 | QPSK | 38 | LOW | 22.07 | 28.06 | 5.99 | 13 | 1.02 | 23.09 | 33 | Pass |
| Band7 | 15 | 2562.5 | QPSK | 38 | MID | 22.07 | 28.19 | 6.12 | 13 | 1.02 | 23.09 | 33 | Pass |
| Band7 | 15 | 2562.5 | QPSK | 38 | HIGH | 22.07 | 28.04 | 5.97 | 13 | 1.02 | 23.09 | 33 | Pass |
| Band7 | 15 | 2562.5 | QPSK | 1 | LOW | 22.35 | 26.98 | 4.63 | 13 | 1.02 | 23.37 | 33 | Pass |
| Band7 | 15 | 2562.5 | QPSK | 1 | MID | 22.41 | 26.73 | 4.32 | 13 | 1.02 | 23.43 | 33 | Pass |
| Band7 | 15 | 2562.5 | QPSK | 1 | HIGH | 22.8 | 26.74 | 3.94 | 13 | 1.02 | 23.82 | 33 | Pass |
| Band7 | 15 | 2562.5 | 16QAM | 75 | LOW | 21.22 | 28.04 | 6.82 | 13 | 1.02 | 22.24 | 33 | Pass |
| Band7 | 15 | 2562.5 | 16QAM | 38 | LOW | 21.38 | 28.17 | 6.79 | 13 | 1.02 | 22.4 | 33 | Pass |
| Band7 | 15 | 2562.5 | 16QAM | 38 | MID | 21.39 | 28.18 | 6.79 | 13 | 1.02 | 22.41 | 33 | Pass |
| Band7 | 15 | 2562.5 | 16QAM | 38 | HIGH | 21.39 | 28.18 | 6.79 | 13 | 1.02 | 22.41 | 33 | Pass |
| Band7 | 15 | 2562.5 | 16QAM | 1 | LOW | 22.84 | 27.82 | 4.98 | 13 | 1.02 | 23.86 | 33 | Pass |
| Band7 | 15 | 2562.5 | 16QAM | 1 | MID | 22.63 | 26.91 | 4.28 | 13 | 1.02 | 23.65 | 33 | Pass |
| Band7 | 15 | 2562.5 | 16QAM | 1 | HIGH | 22.59 | 27.49 | 4.9 | 13 | 1.02 | 23.61 | 33 | Pass |
| Band7 | 20 | 2510 | QPSK | 100 | LOW | 22.86 | 28.84 | 5.98 | 13 | 1.02 | 23.88 | 33 | Pass |
| Band7 | 20 | 2510 | QPSK | 50 | LOW | 23.05 | 28.57 | 5.52 | 13 | 1.02 | 24.07 | 33 | Pass |
| Band7 | 20 | 2510 | QPSK | 50 | MID | 23.06 | 28.56 | 5.5 | 13 | 1.02 | 24.08 | 33 | Pass |
| Band7 | 20 | 2510 | QPSK | 50 | HIGH | 23.07 | 28.53 | 5.46 | 13 | 1.02 | 24.09 | 33 | Pass |
| Band7 | 20 | 2510 | QPSK | 1 | LOW | 24.14 | 28.06 | 3.92 | 13 | 1.02 | 25.16 | 33 | Pass |
| Band7 | 20 | 2510 | QPSK | 1 | MID | 24.19 | 28.13 | 3.94 | 13 | 1.02 | 25.21 | 33 | Pass |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Band7 | 20 | 2510 | QPSK | 1 | HIGH | 23.98 | 27.99 | 4.01 | 13 | 1.02 | 25 | 33 | Pass |
| Band7 | 20 | 2510 | 16QAM | 100 | LOW | 22.2 | 29.42 | 7.22 | 13 | 1.02 | 23.22 | 33 | Pass |
| Band7 | 20 | 2510 | 16QAM | 50 | LOW | 22.17 | 28.87 | 6.7 | 13 | 1.02 | 23.19 | 33 | Pass |
| Band7 | 20 | 2510 | 16QAM | 50 | MID | 22.2 | 28.75 | 6.55 | 13 | 1.02 | 23.22 | 33 | Pass |
| Band7 | 20 | 2510 | 16QAM | 50 | HIGH | 22.19 | 28.75 | 6.56 | 13 | 1.02 | 23.21 | 33 | Pass |
| Band7 | 20 | 2510 | 16QAM | 1 | LOW | 22.86 | 28.28 | 5.42 | 13 | 1.02 | 23.88 | 33 | Pass |
| Band7 | 20 | 2510 | 16QAM | 1 | MID | 22.99 | 27.95 | 4.96 | 13 | 1.02 | 24.01 | 33 | Pass |
| Band7 | 20 | 2510 | 16QAM | 1 | HIGH | 22.97 | 28.7 | 5.73 | 13 | 1.02 | 23.99 | 33 | Pass |
| Band7 | 20 | 2535 | QPSK | 100 | LOW | 22.61 | 28.76 | 6.15 | 13 | 1.02 | 23.63 | 33 | Pass |
| Band7 | 20 | 2535 | QPSK | 50 | LOW | 22.62 | 28.23 | 5.61 | 13 | 1.02 | 23.64 | 33 | Pass |
| Band7 | 20 | 2535 | QPSK | 50 | MID | 22.61 | 28.25 | 5.64 | 13 | 1.02 | 23.63 | 33 | Pass |
| Band7 | 20 | 2535 | QPSK | 50 | HIGH | 22.49 | 28.12 | 5.63 | 13 | 1.02 | 23.51 | 33 | Pass |
| Band7 | 20 | 2535 | QPSK | 1 | LOW | 23.61 | 28.71 | 5.1 | 13 | 1.02 | 24.63 | 33 | Pass |
| Band7 | 20 | 2535 | QPSK | 1 | MID | 23.73 | 27.77 | 4.04 | 13 | 1.02 | 24.75 | 33 | Pass |
| Band7 | 20 | 2535 | QPSK | 1 | HIGH | 23.82 | 28.49 | 4.67 | 13 | 1.02 | 24.84 | 33 | Pass |
| Band7 | 20 | 2535 | 16QAM | 100 | LOW | 21.75 | 28.81 | 7.06 | 13 | 1.02 | 22.77 | 33 | Pass |
| Band7 | 20 | 2535 | 16QAM | 50 | LOW | 21.9 | 28.39 | 6.49 | 13 | 1.02 | 22.92 | 33 | Pass |
| Band7 | 20 | 2535 | 16QAM | 50 | MID | 21.91 | 28.4 | 6.49 | 13 | 1.02 | 22.93 | 33 | Pass |
| Band7 | 20 | 2535 | 16QAM | 50 | HIGH | 21.72 | 28.4 | 6.68 | 13 | 1.02 | 22.74 | 33 | Pass |
| Band7 | 20 | 2535 | 16QAM | 1 | LOW | 23.18 | 28.05 | 4.87 | 13 | 1.02 | 24.2 | 33 | Pass |
| Band7 | 20 | 2535 | 16QAM | 1 | MID | 23.03 | 28.12 | 5.09 | 13 | 1.02 | 24.05 | 33 | Pass |
| Band7 | 20 | 2535 | 16QAM | 1 | HIGH | 22.86 | 28.02 | 5.16 | 13 | 1.02 | 23.88 | 33 | Pass |
| Band7 | 20 | 2560 | QPSK | 100 | LOW | 22.28 | 28.29 | 6.01 | 13 | 1.02 | 23.3 | 33 | Pass |
| Band7 | 20 | 2560 | QPSK | 50 | LOW | 22.26 | 27.73 | 5.47 | 13 | 1.02 | 23.28 | 33 | Pass |
| Band7 | 20 | 2560 | QPSK | 50 | MID | 22.25 | 27.75 | 5.5 | 13 | 1.02 | 23.27 | 33 | Pass |
| Band7 | 20 | 2560 | QPSK | 50 | HIGH | 22.07 | 27.45 | 5.38 | 13 | 1.02 | 23.09 | 33 | Pass |
| Band7 | 20 | 2560 | QPSK | 1 | LOW | 22.92 | 27.77 | 4.85 | 13 | 1.02 | 23.94 | 33 | Pass |
| Band7 | 20 | 2560 | QPSK | 1 | MID | 22.21 | 26.88 | 4.67 | 13 | 1.02 | 23.23 | 33 | Pass |
| Band7 | 20 | 2560 | QPSK | 1 | HIGH | 23.17 | 27.24 | 4.07 | 13 | 1.02 | 24.19 | 33 | Pass |
| Band7 | 20 | 2560 | 16QAM | 100 | LOW | 21.28 | 28.31 | 7.03 | 13 | 1.02 | 22.3 | 33 | Pass |
| Band7 | 20 | 2560 | 16QAM | 50 | LOW | 21.45 | 28 | 6.55 | 13 | 1.02 | 22.47 | 33 | Pass |
| Band7 | 20 | 2560 | 16QAM | 50 | MID | 21.46 | 27.97 | 6.51 | 13 | 1.02 | 22.48 | 33 | Pass |
| Band7 | 20 | 2560 | 16QAM | 50 | HIGH | 21.39 | 27.74 | 6.35 | 13 | 1.02 | 22.41 | 33 | Pass |
| Band7 | 20 | 2560 | 16QAM | 1 | LOW | 23.16 | 28.09 | 4.93 | 13 | 1.02 | 24.18 | 33 | Pass |
| Band7 | 20 | 2560 | 16QAM | 1 | MID | 22.87 | 27.26 | 4.39 | 13 | 1.02 | 23.89 | 33 | Pass |
| Band7 | 20 | 2560 | 16QAM | 1 | HIGH | 22.88 | 27.77 | 4.89 | 13 | 1.02 | 23.9 | 33 | Pass |