

Appendix Test Data(Conducted) for LTE Band7

Product Name: FH Emergency Medical Device - V1-4G

Trade Mark: FastHelp

Test Model: FH-V1-4G

FCC ID: 2AJG4-FH-V1-4G

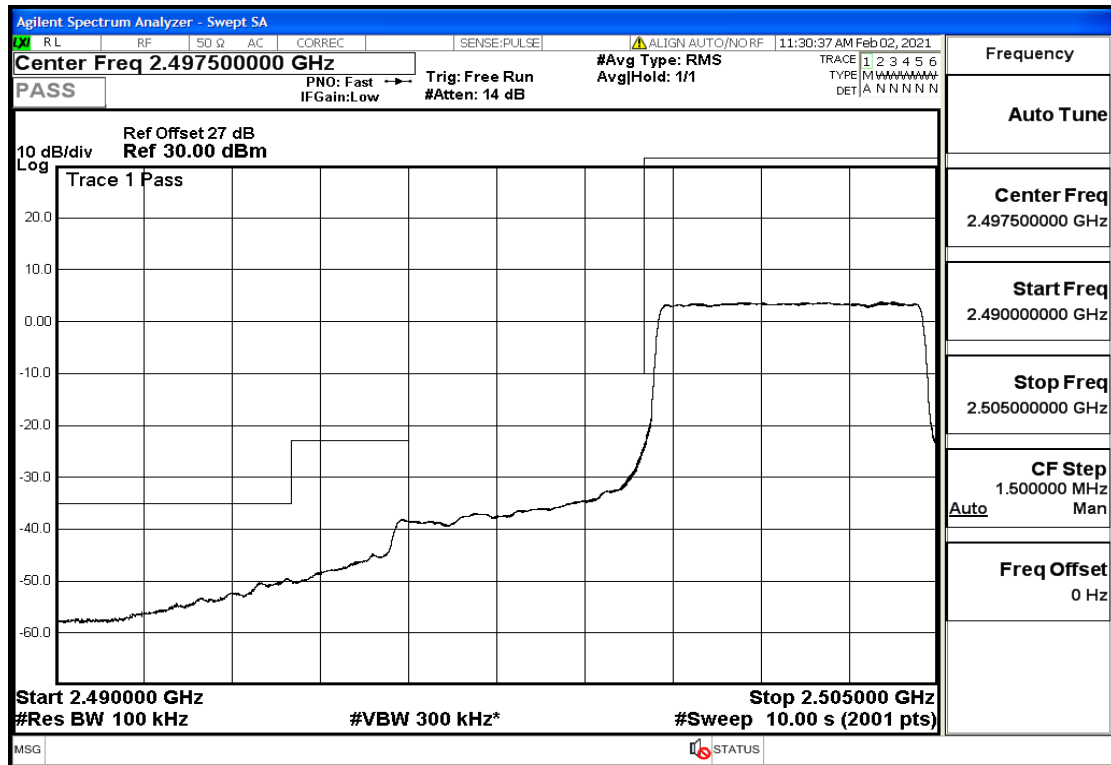
Environmental Conditions

| | |
|--------------------|------------|
| Temperature: | 23.8°C |
| Relative Humidity: | 55% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Anna Hu |
| Supervised by: | Hugo Chen |
| NOTE | For Band 7 |

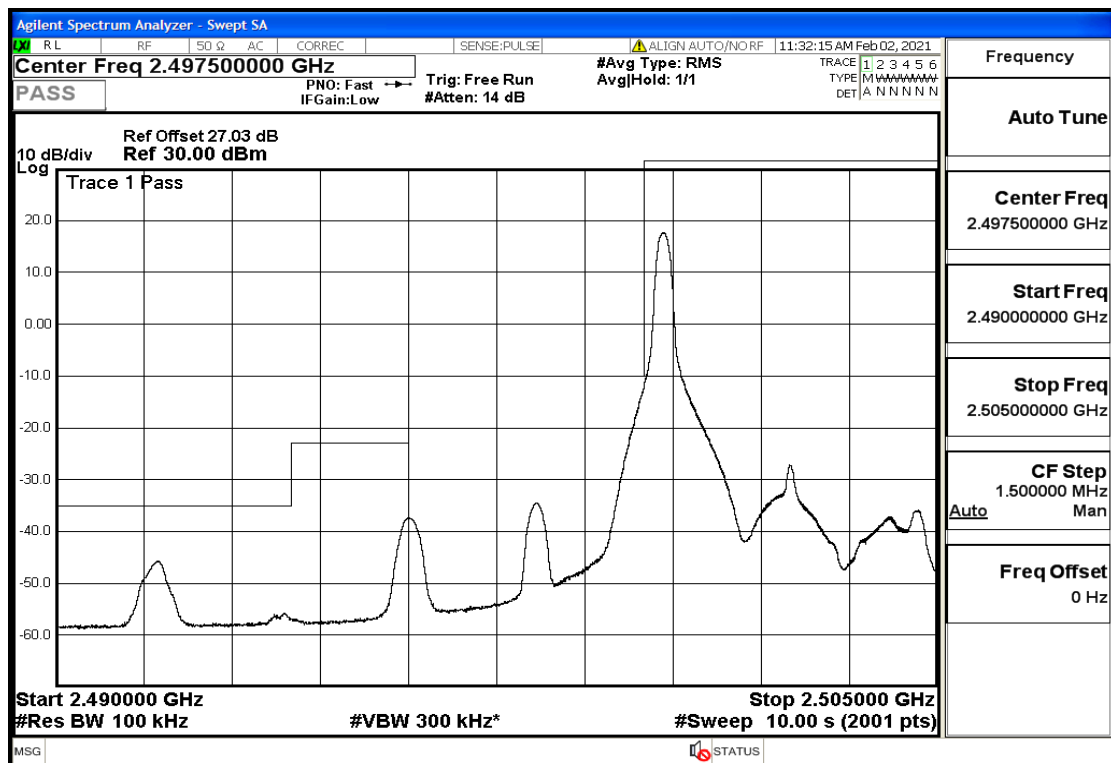
Band Edge and Emission Mask

| Band | Bandwidth(MHz) | UL Frequency(MHz) | Modulation | RB Size | RB Offset | Conclusion |
|-------|----------------|----------------------|------------|---------|-----------|------------|
| Band7 | 5 | 2502.5 | QPSK | 25 | LOW | Pass |
| Band7 | 5 | 2502.5 | QPSK | 1 | LOW | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 25 | LOW | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 1 | LOW | Pass |
| Band7 | 5 | 2567.5 | QPSK | 25 | LOW | Pass |
| Band7 | 5 | 2567.5 | QPSK | 1 | HIGH | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 25 | LOW | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 1 | HIGH | Pass |

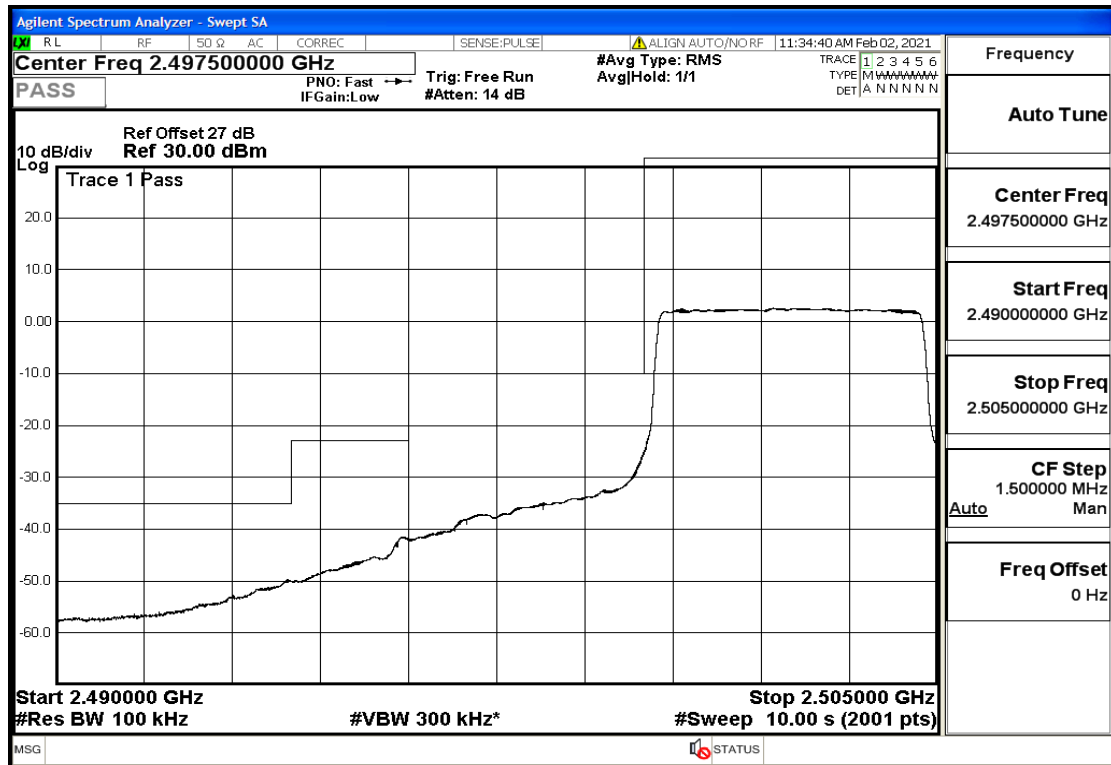
Band7-5-2502.5-QPSK-25#LOW@Pass



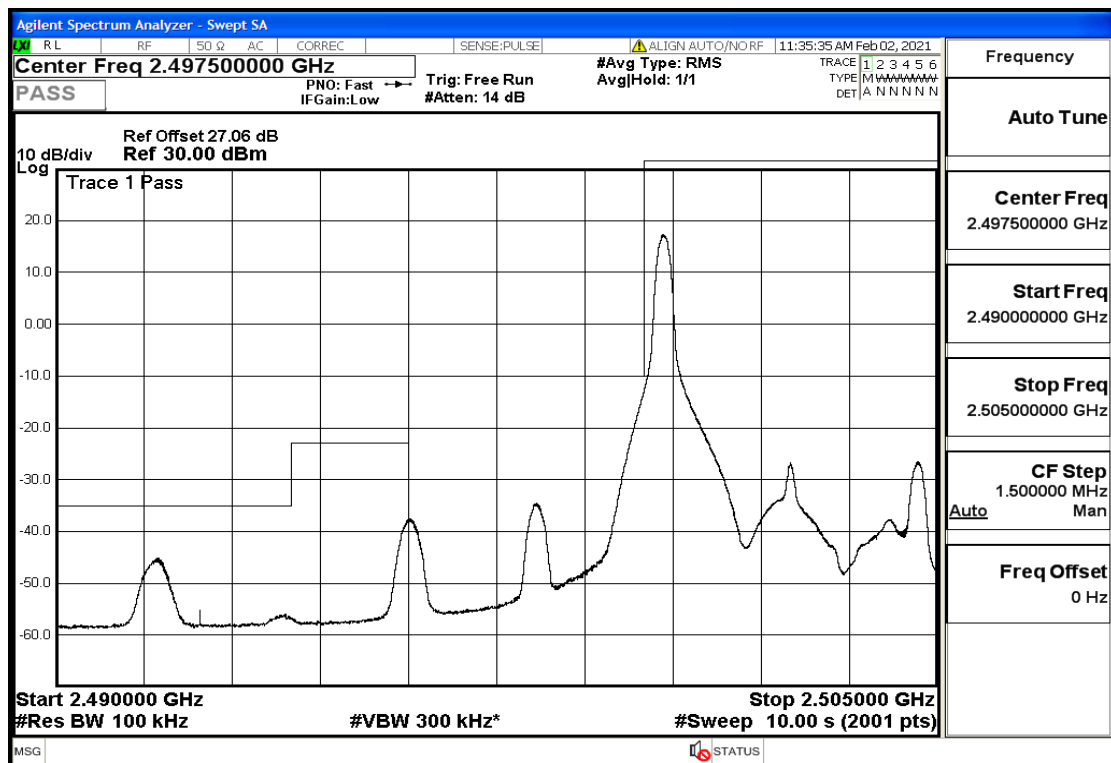
Band7-5-2502.5-QPSK-1#LOW@Pass



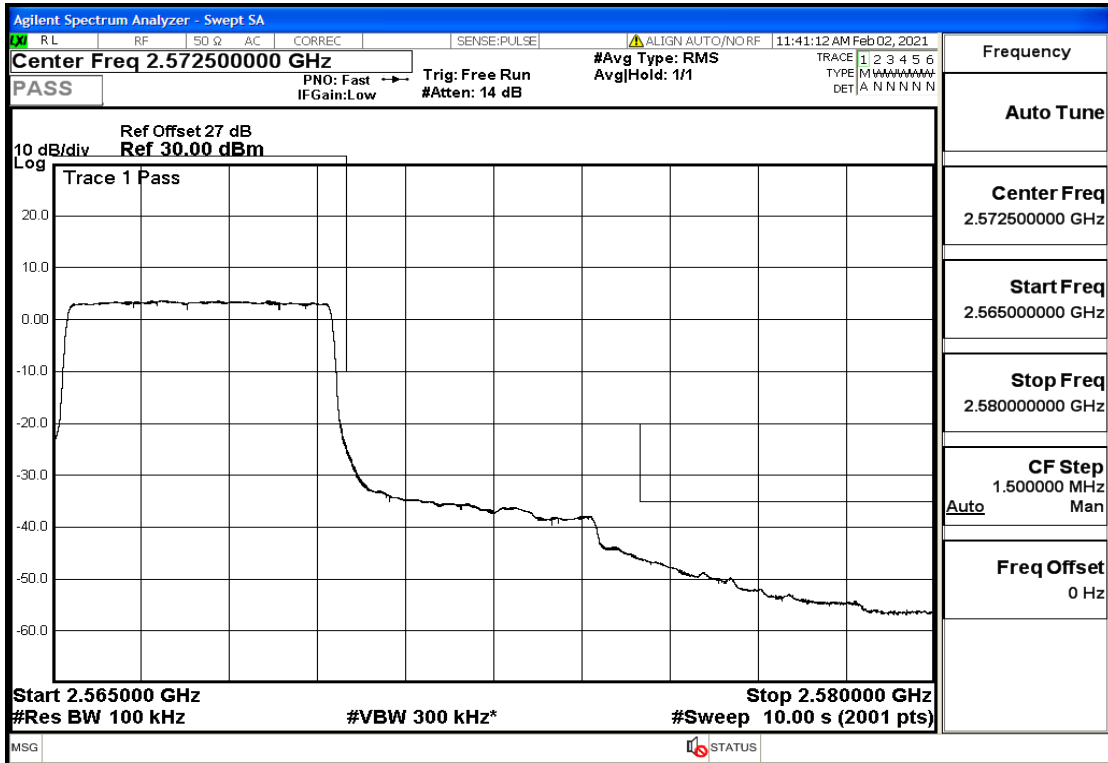
Band7-5-2502.5-16QAM-25#LOW@Pass



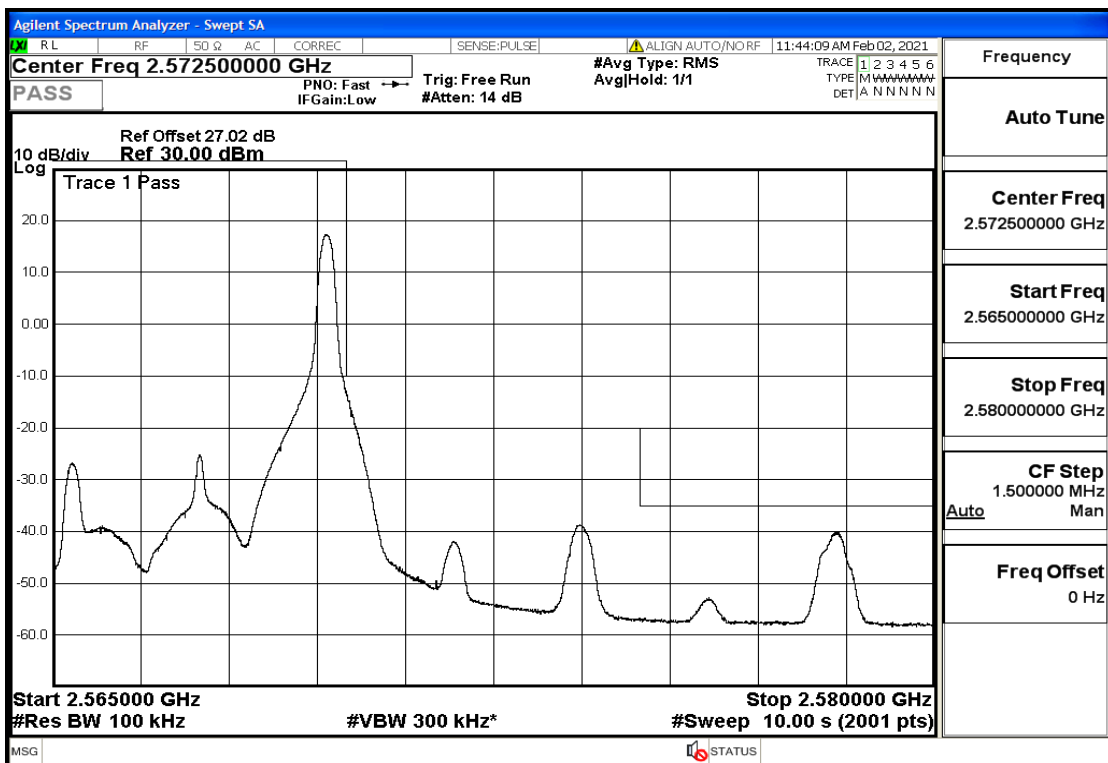
Band7-5-2502.5-16QAM-1#LOW@Pass



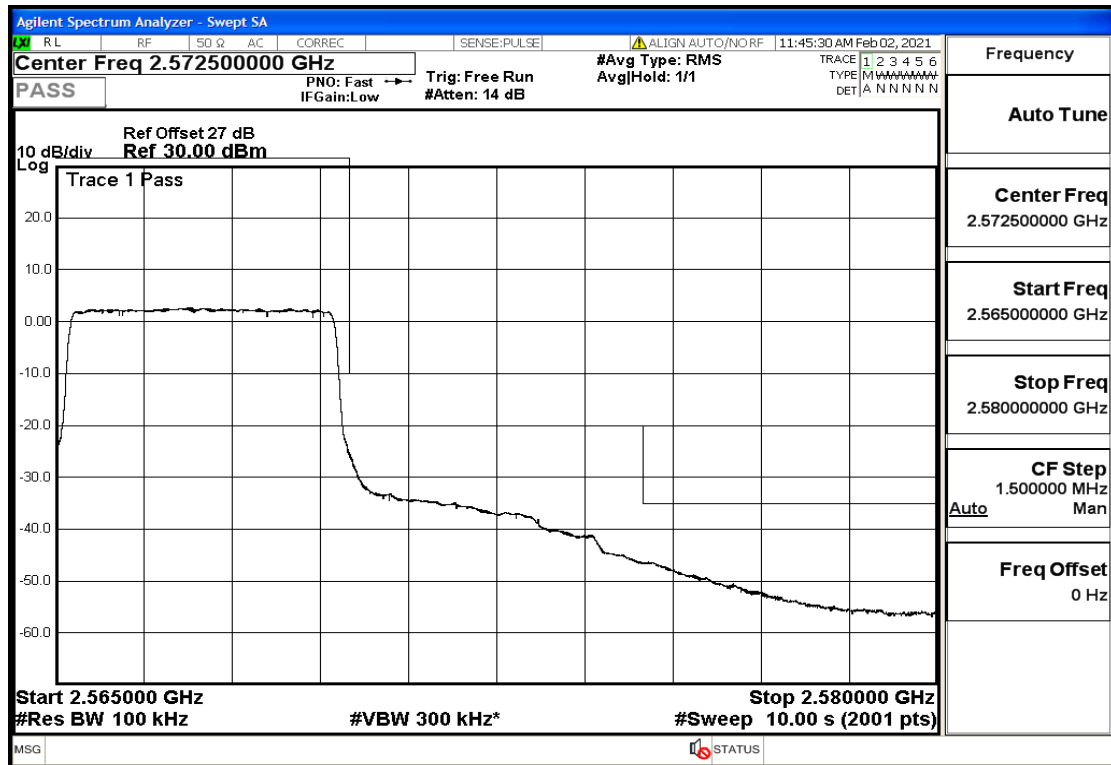
Band7-5-2567.5-QPSK-25#LOW@Pass



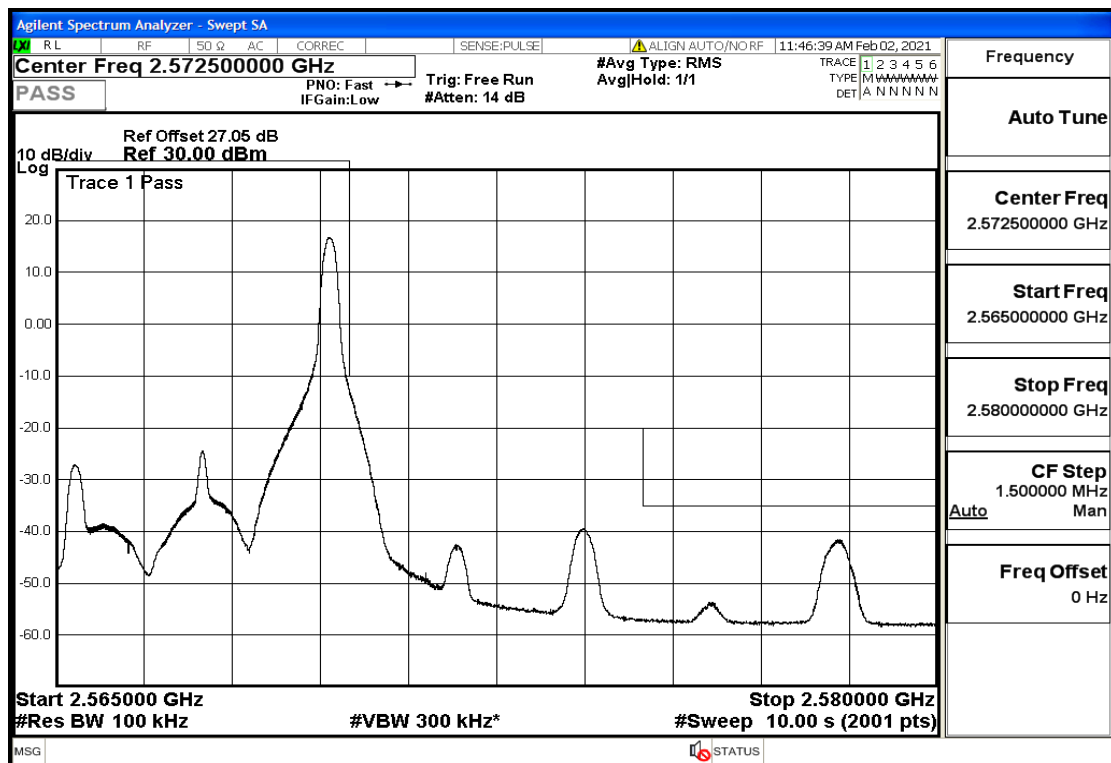
Band7-5-2567.5-QPSK-1#HIGH@Pass



Band7-5-2567.5-16QAM-25#LOW@Pass



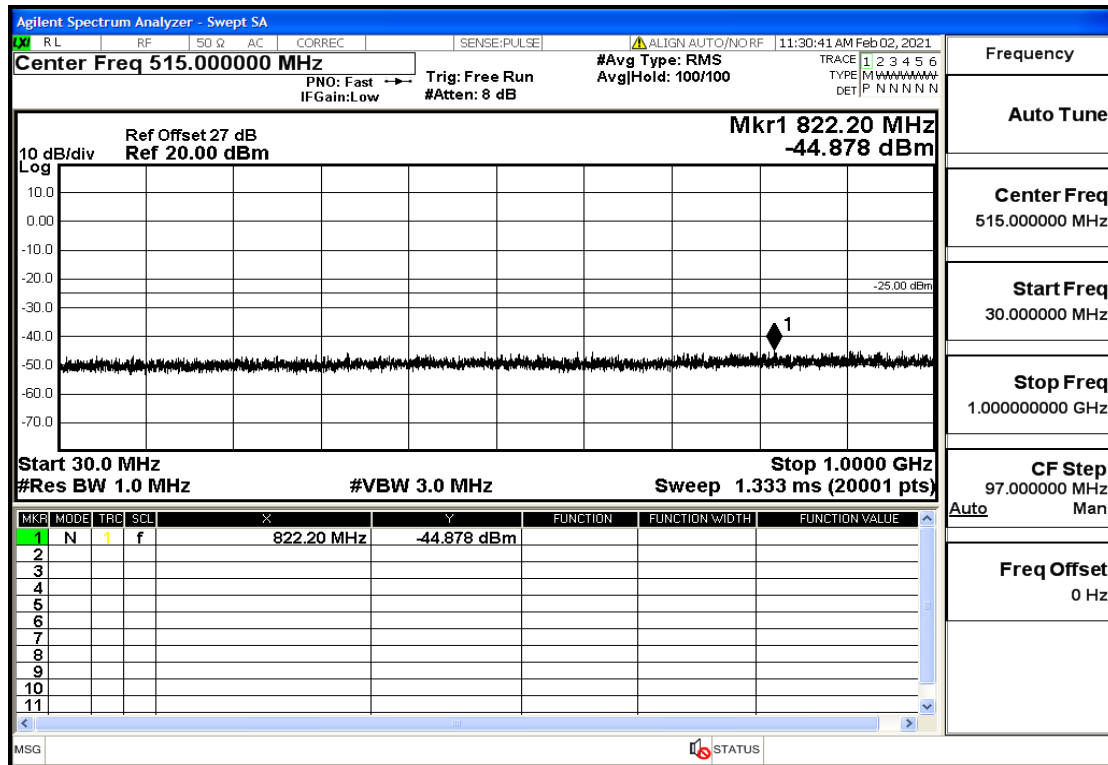
Band7-5-2567.5-16QAM-1#HIGH@Pass



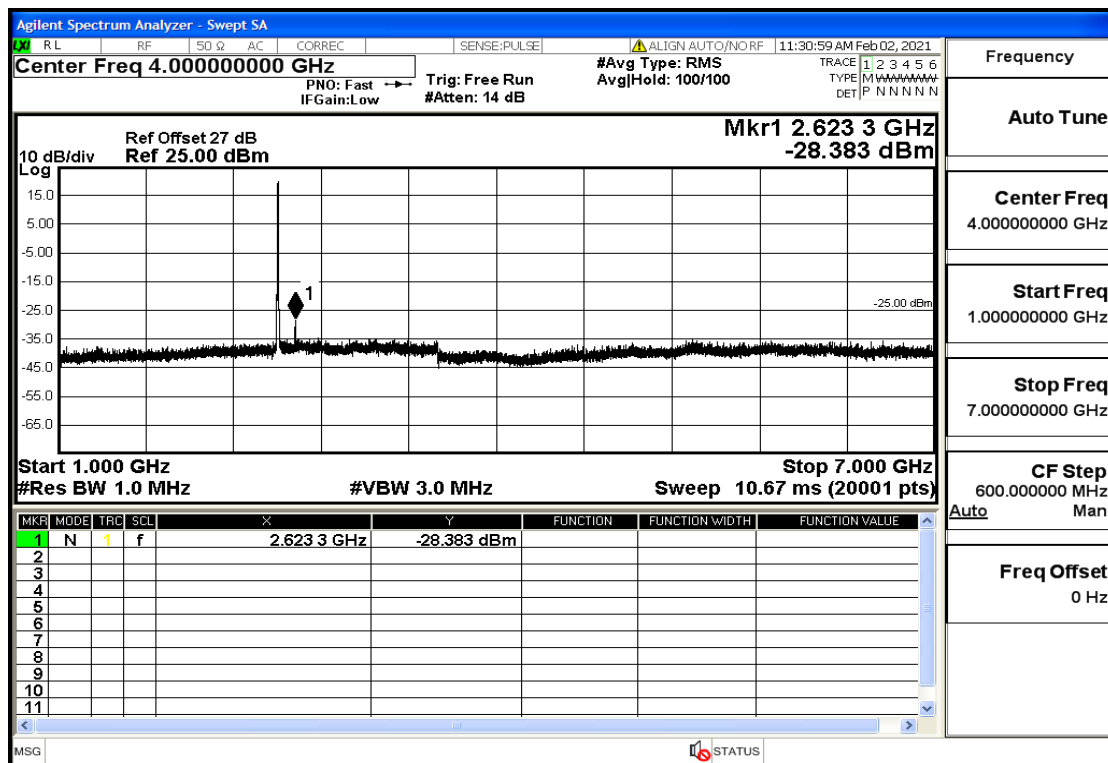
Conducted Spurious Emission

| Band | Bandwidth(MHz) | UL Frequency(MHz) | Modulation | RB Size | RB Offset | Test Condition | Transmitter Spurious Emission(Pass/Fail) |
|------|----------------|-------------------|------------|---------|-----------|----------------|--|
| OB7 | 5 | 2502.5 | QPSK | 25 | LOW | 30mHz-1GHz | Pass |
| OB7 | 5 | 2502.5 | QPSK | 25 | LOW | 1GHz-7GHz | Pass |
| OB7 | 5 | 2502.5 | QPSK | 25 | LOW | 7GHz-13.6GHz | Pass |
| OB7 | 5 | 2502.5 | QPSK | 25 | LOW | 13.6GHz-20GHz | Pass |
| OB7 | 5 | 2502.5 | QPSK | 1 | LOW | 30mHz-1GHz | Pass |
| OB7 | 5 | 2502.5 | QPSK | 1 | LOW | 1GHz-7GHz | Pass |
| OB7 | 5 | 2502.5 | QPSK | 1 | LOW | 7GHz-13.6GHz | Pass |
| OB7 | 5 | 2502.5 | QPSK | 1 | LOW | 13.6GHz-20GHz | Pass |
| OB7 | 5 | 2502.5 | QPSK | 1 | HIGH | 30mHz-1GHz | Pass |
| OB7 | 5 | 2502.5 | QPSK | 1 | HIGH | 1GHz-7GHz | Pass |
| OB7 | 5 | 2502.5 | QPSK | 1 | HIGH | 7GHz-13.6GHz | Pass |
| OB7 | 5 | 2502.5 | QPSK | 1 | HIGH | 13.6GHz-20GHz | Pass |
| OB7 | 5 | 2535 | QPSK | 25 | LOW | 30mHz-1GHz | Pass |
| OB7 | 5 | 2535 | QPSK | 25 | LOW | 1GHz-7GHz | Pass |
| OB7 | 5 | 2535 | QPSK | 25 | LOW | 7GHz-13.6GHz | Pass |
| OB7 | 5 | 2535 | QPSK | 25 | LOW | 13.6GHz-20GHz | Pass |
| OB7 | 5 | 2535 | QPSK | 1 | LOW | 30mHz-1GHz | Pass |
| OB7 | 5 | 2535 | QPSK | 1 | LOW | 1GHz-7GHz | Pass |
| OB7 | 5 | 2535 | QPSK | 1 | LOW | 7GHz-13.6GHz | Pass |
| OB7 | 5 | 2535 | QPSK | 1 | LOW | 13.6GHz-20GHz | Pass |
| OB7 | 5 | 2535 | QPSK | 1 | HIGH | 30mHz-1GHz | Pass |
| OB7 | 5 | 2535 | QPSK | 1 | HIGH | 1GHz-7GHz | Pass |
| OB7 | 5 | 2535 | QPSK | 1 | HIGH | 7GHz-13.6GHz | Pass |
| OB7 | 5 | 2535 | QPSK | 1 | HIGH | 13.6GHz-20GHz | Pass |
| OB7 | 5 | 2567.5 | QPSK | 25 | LOW | 30mHz-1GHz | Pass |
| OB7 | 5 | 2567.5 | QPSK | 25 | LOW | 1GHz-7GHz | Pass |
| OB7 | 5 | 2567.5 | QPSK | 25 | LOW | 7GHz-13.6GHz | Pass |
| OB7 | 5 | 2567.5 | QPSK | 25 | LOW | 13.6GHz-20GHz | Pass |
| OB7 | 5 | 2567.5 | QPSK | 1 | LOW | 30mHz-1GHz | Pass |
| OB7 | 5 | 2567.5 | QPSK | 1 | LOW | 1GHz-7GHz | Pass |
| OB7 | 5 | 2567.5 | QPSK | 1 | LOW | 7GHz-13.6GHz | Pass |
| OB7 | 5 | 2567.5 | QPSK | 1 | LOW | 13.6GHz-20GHz | Pass |
| OB7 | 5 | 2567.5 | QPSK | 1 | HIGH | 30mHz-1GHz | Pass |
| OB7 | 5 | 2567.5 | QPSK | 1 | HIGH | 1GHz-7GHz | Pass |
| OB7 | 5 | 2567.5 | QPSK | 1 | HIGH | 7GHz-13.6GHz | Pass |
| OB7 | 5 | 2567.5 | QPSK | 1 | HIGH | 13.6GHz-20GHz | Pass |

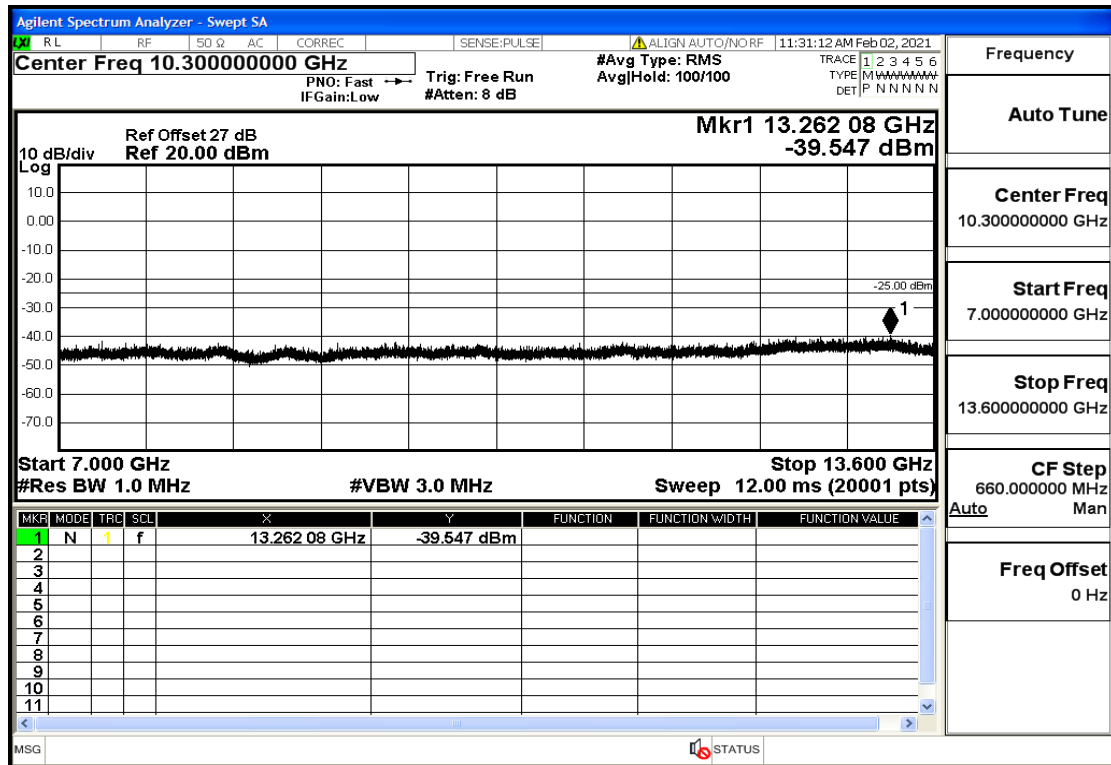
OB7-5-2502.5-QPSK-25#LOW@30MHz-1GHz@Pass



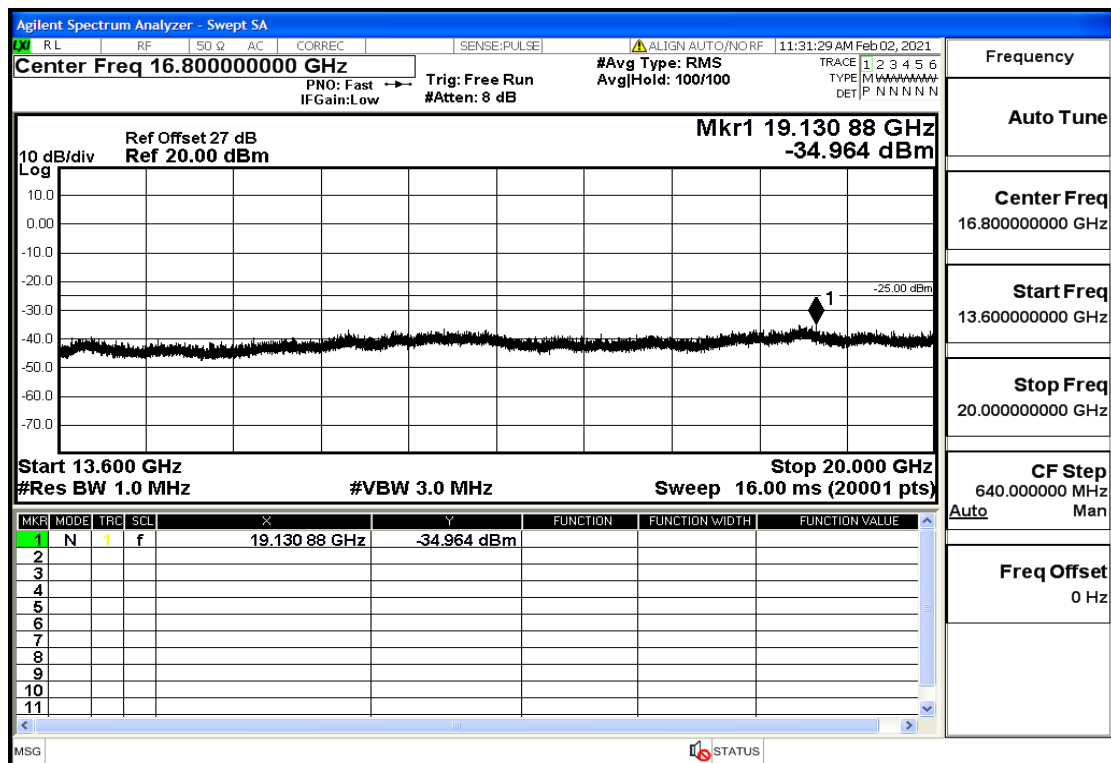
OB7-5-2502.5-QPSK-25#LOW@1GHz-7GHz@Pass



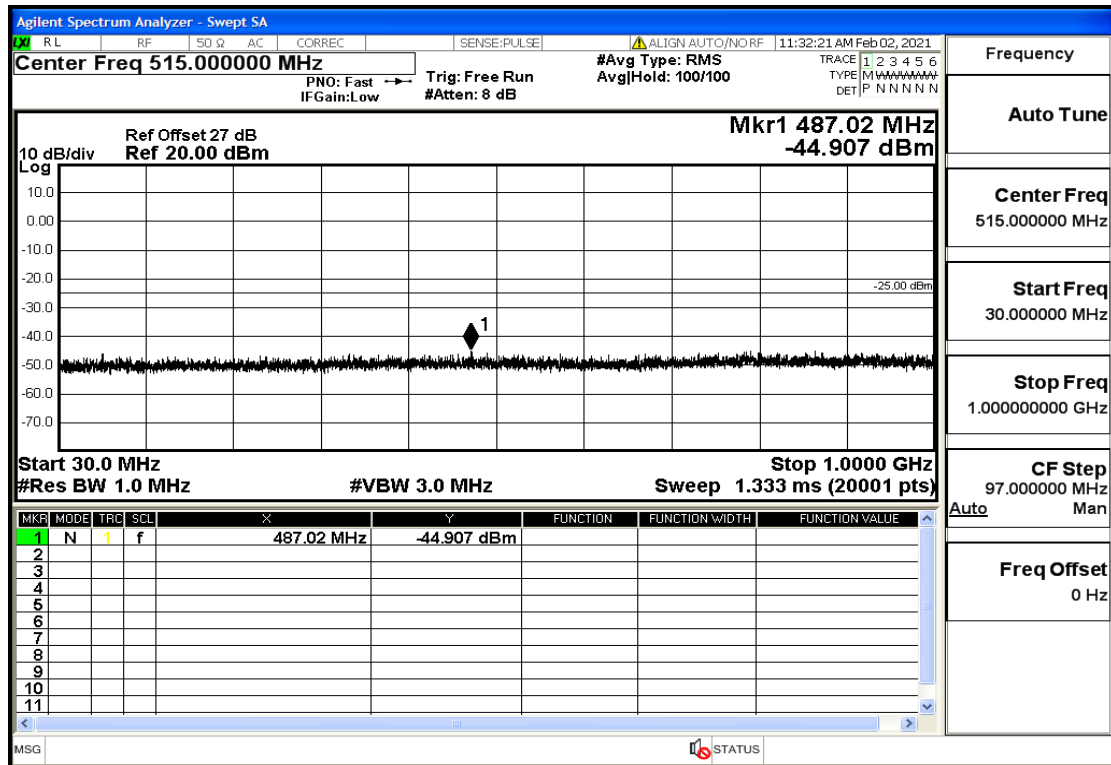
OB7-5-2502.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



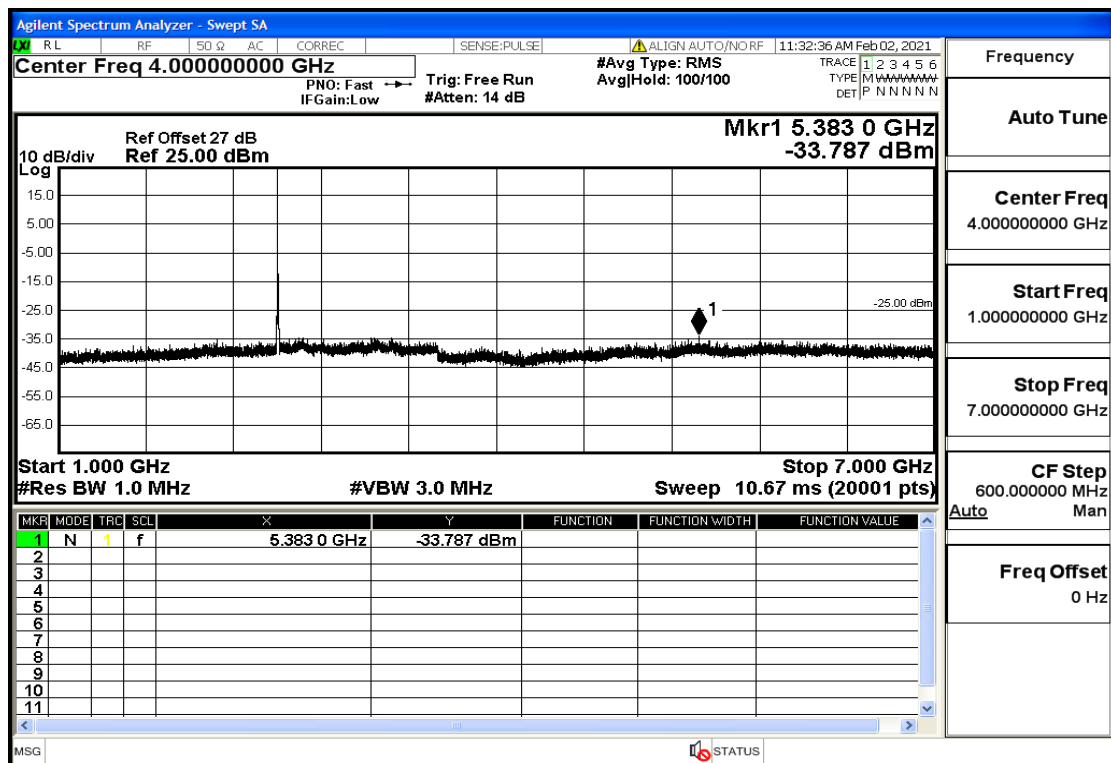
OB7-5-2502.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



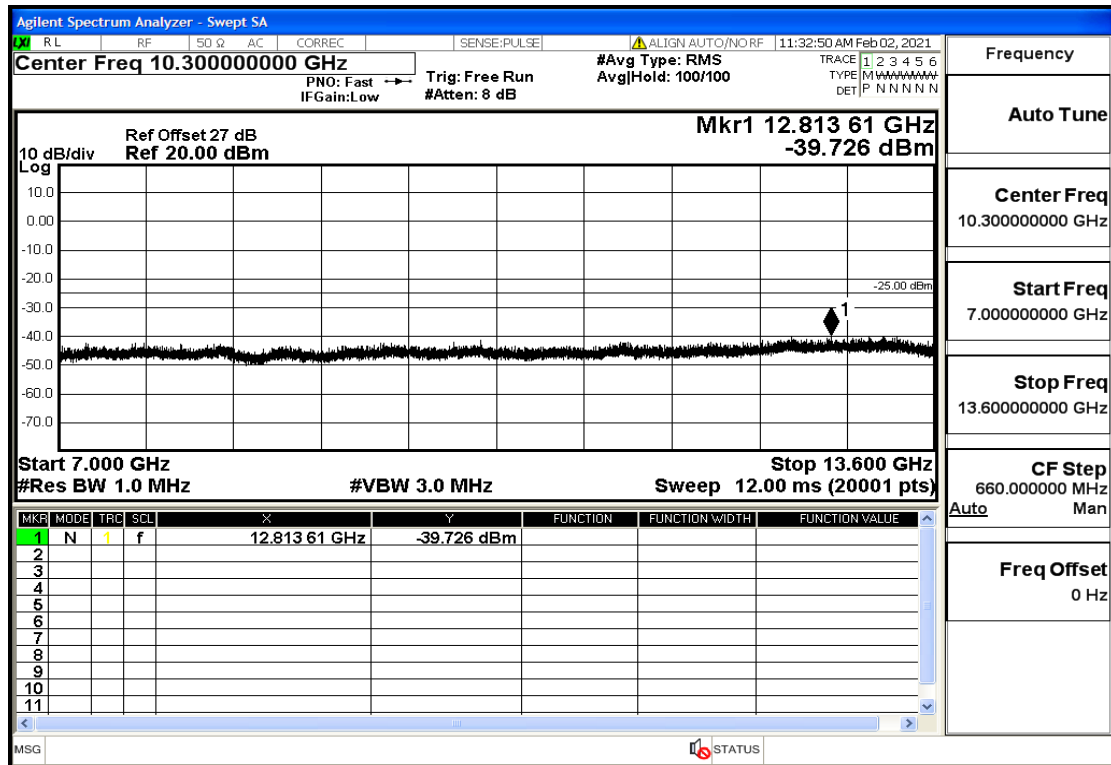
OB7-5-2502.5-QPSK-1#LOW@30mHz-1GHz@Pass



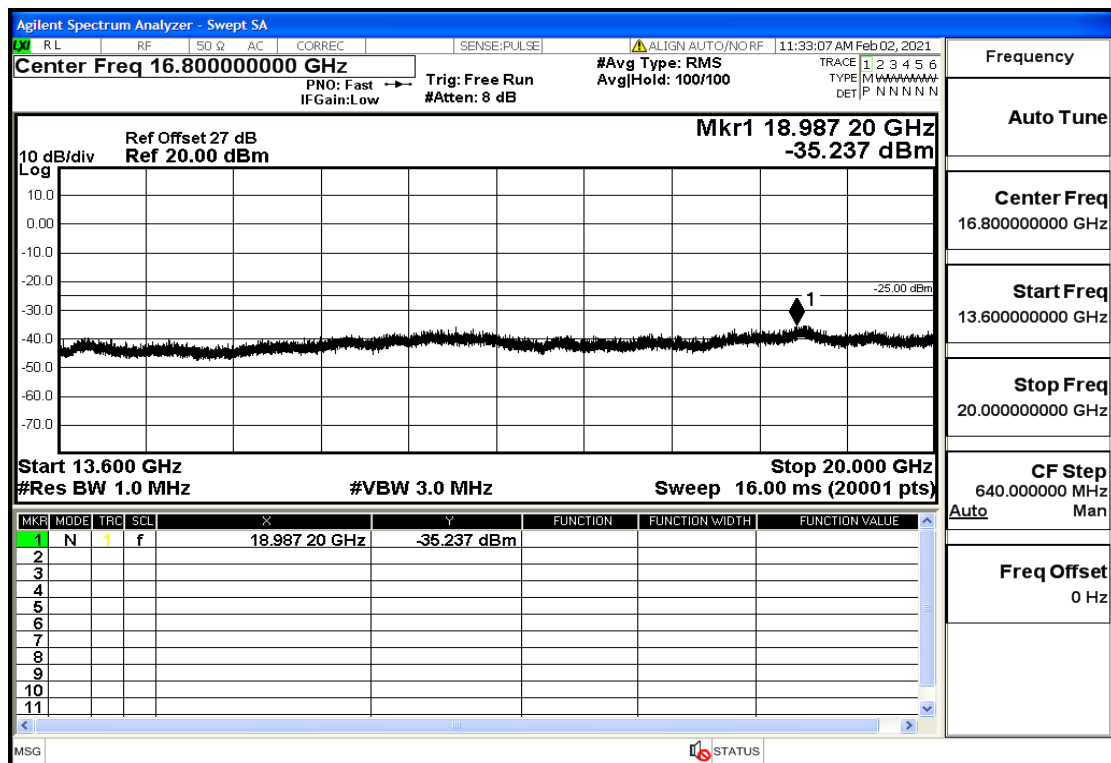
OB7-5-2502.5-QPSK-1#LOW@1GHz-7GHz@Pass



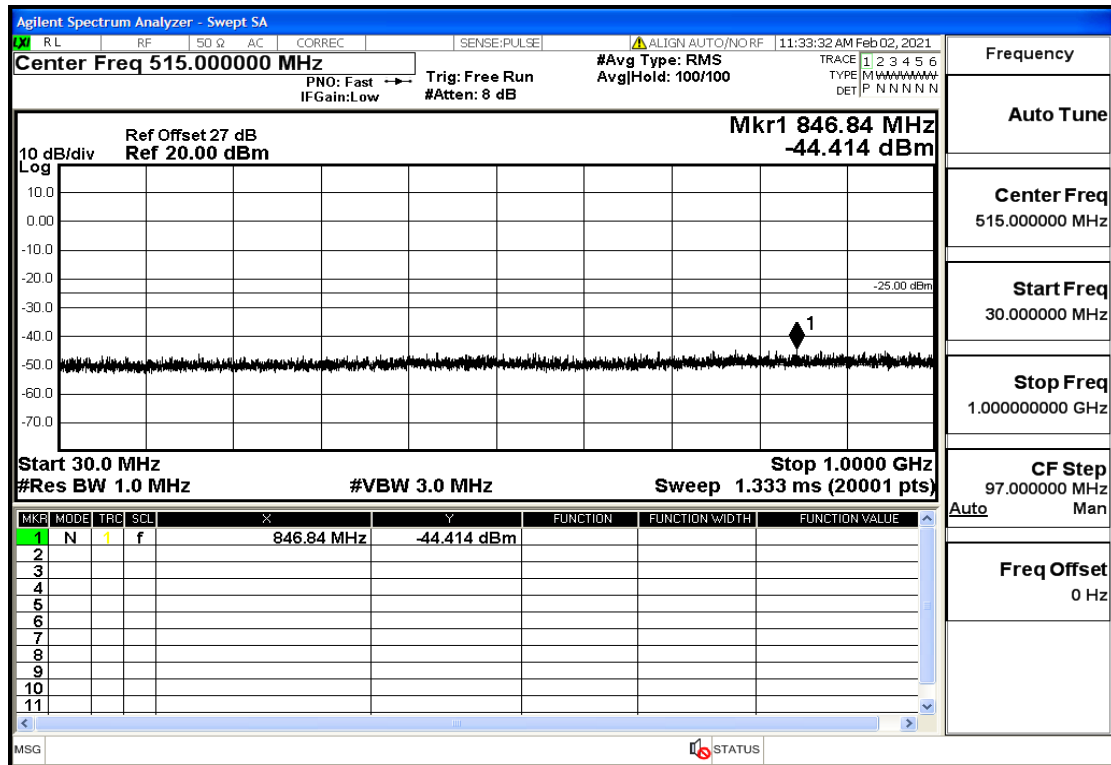
OB7-5-2502.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



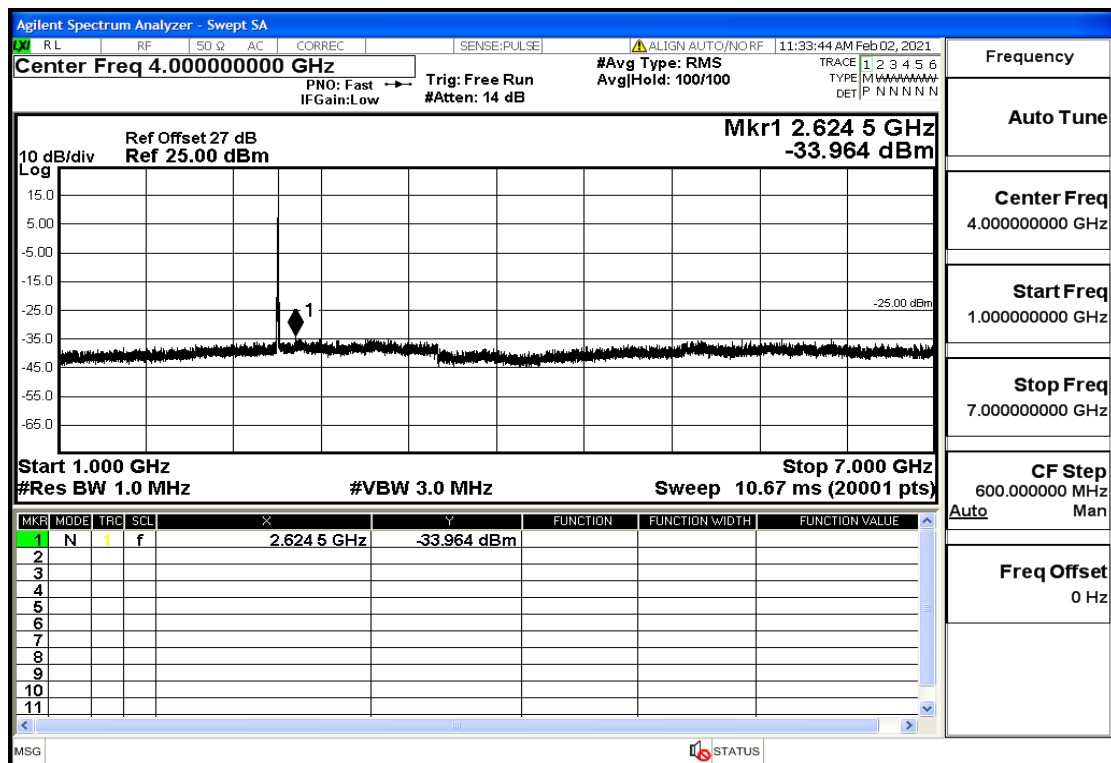
OB7-5-2502.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



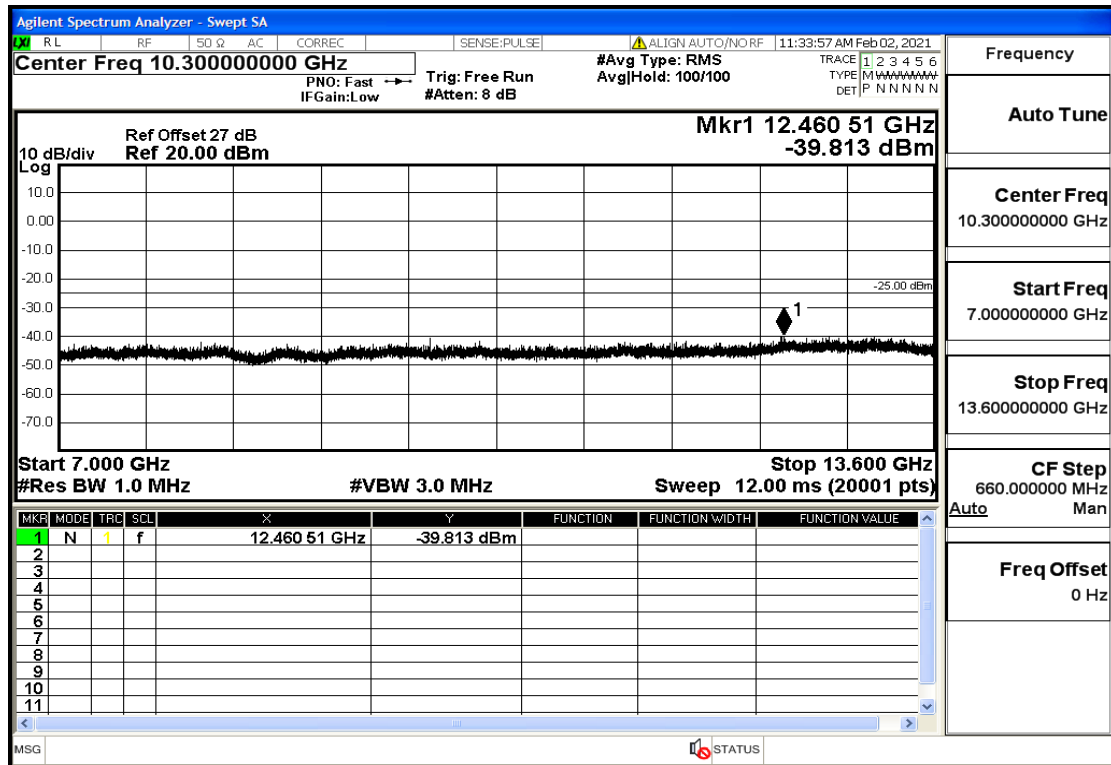
OB7-5-2502.5-QPSK-1#HIGH@30mHz-1GHz@Pass



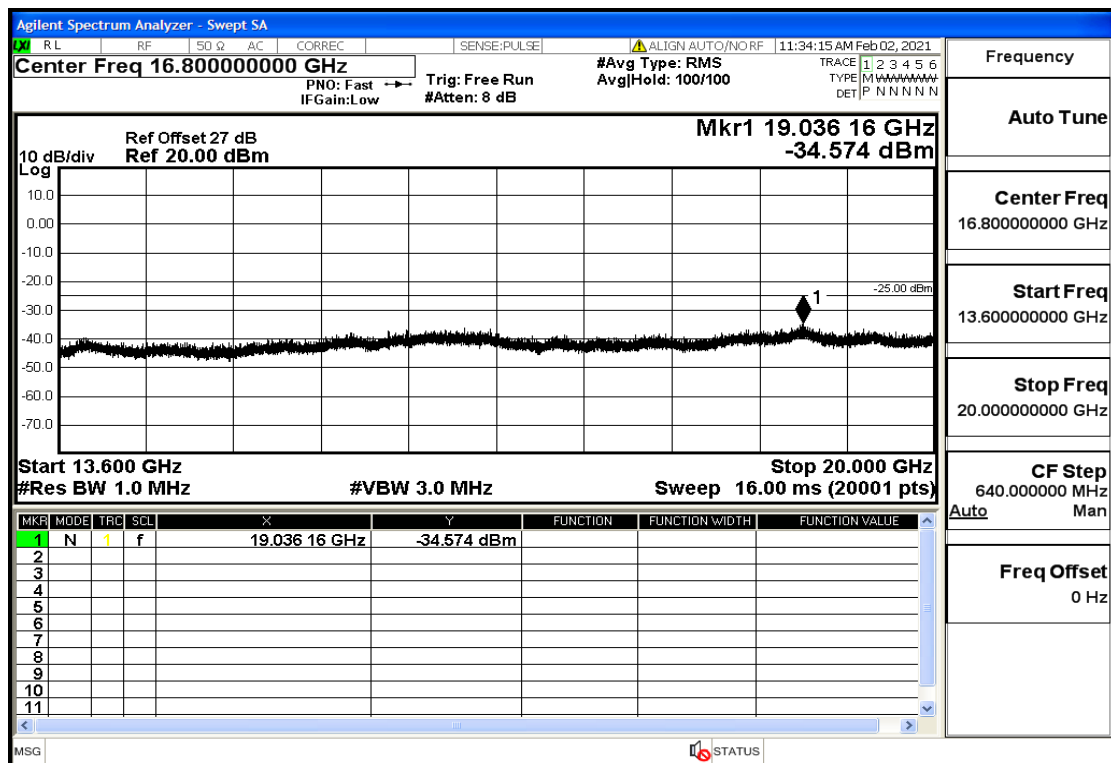
OB7-5-2502.5-QPSK-1#HIGH@1GHz-7GHz@Pass



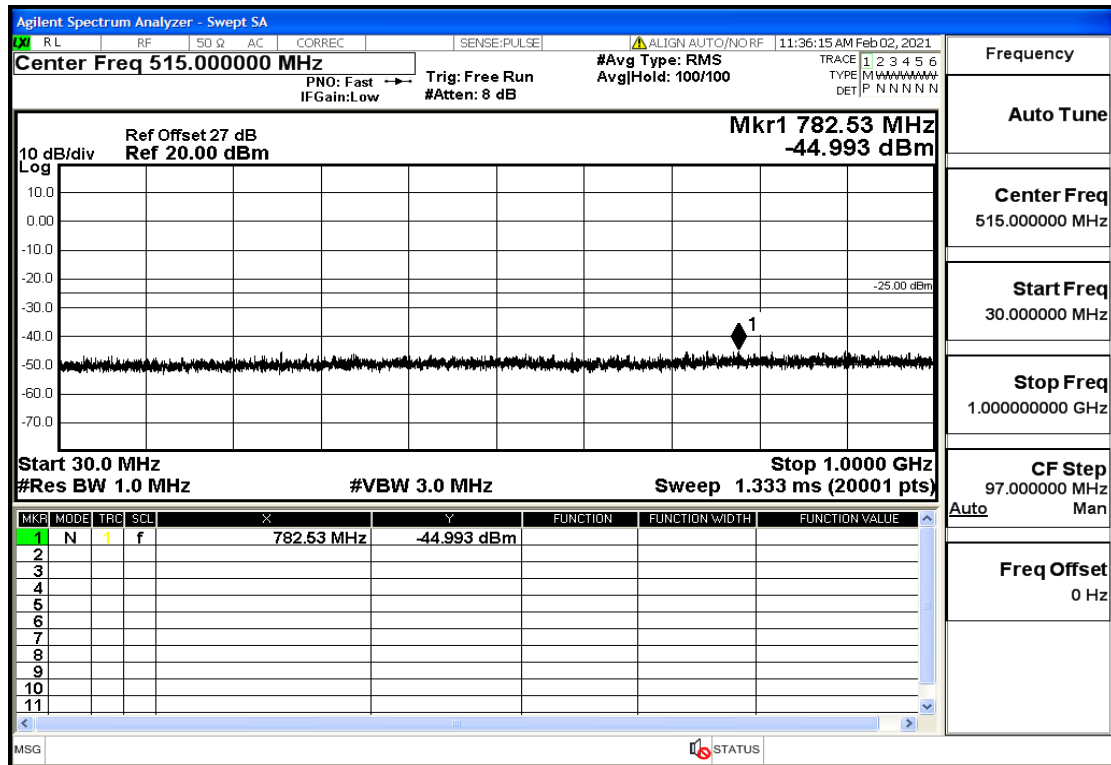
OB7-5-2502.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



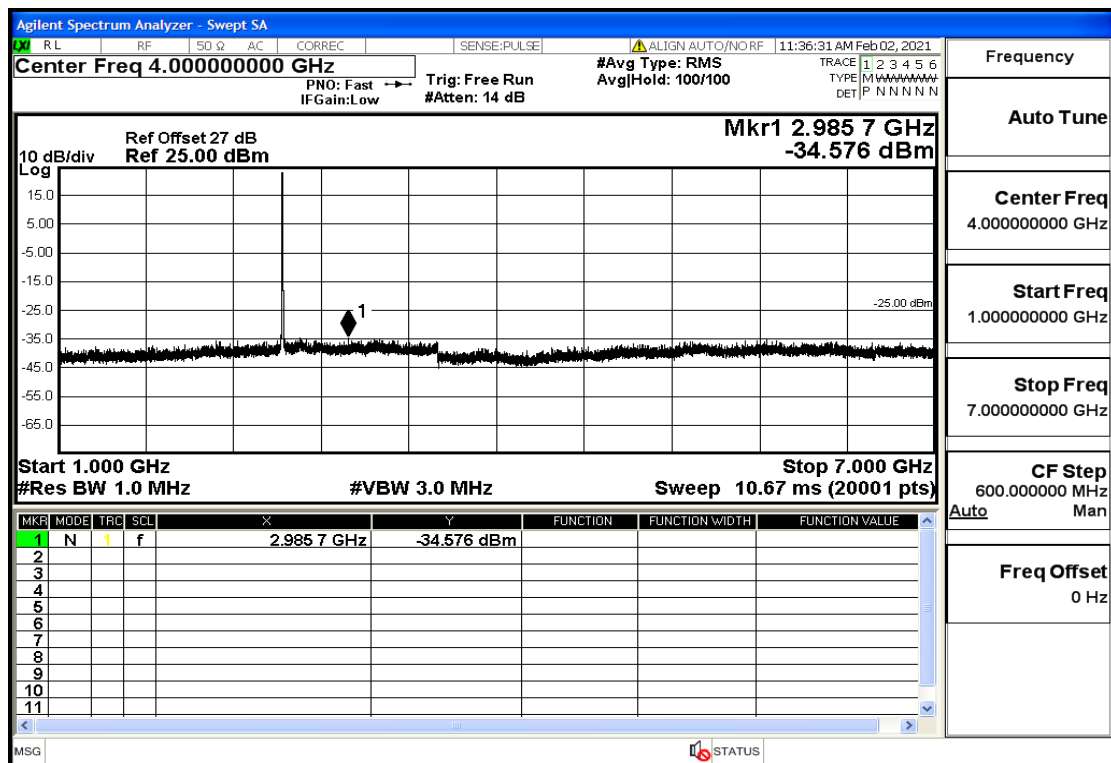
OB7-5-2502.5-QPSK-1#HIGH@13.6GHz-20GHz@Pass



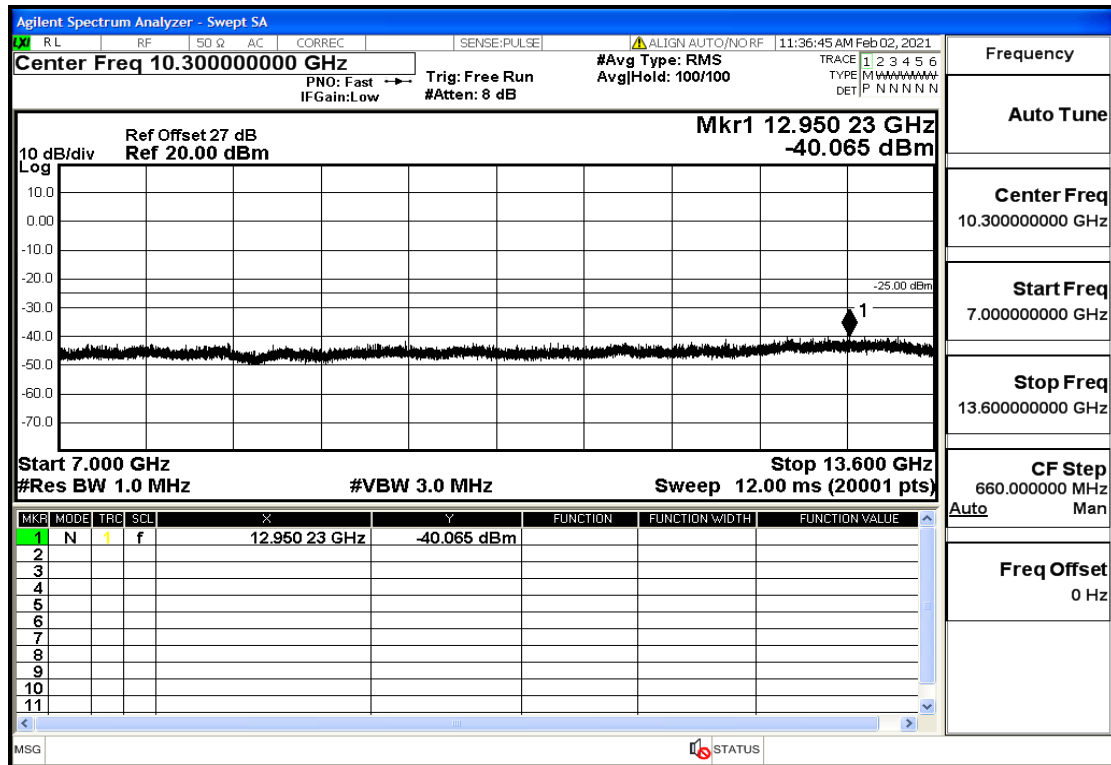
OB7-5-2535-QPSK-25#LOW@30MHz-1GHz@Pass



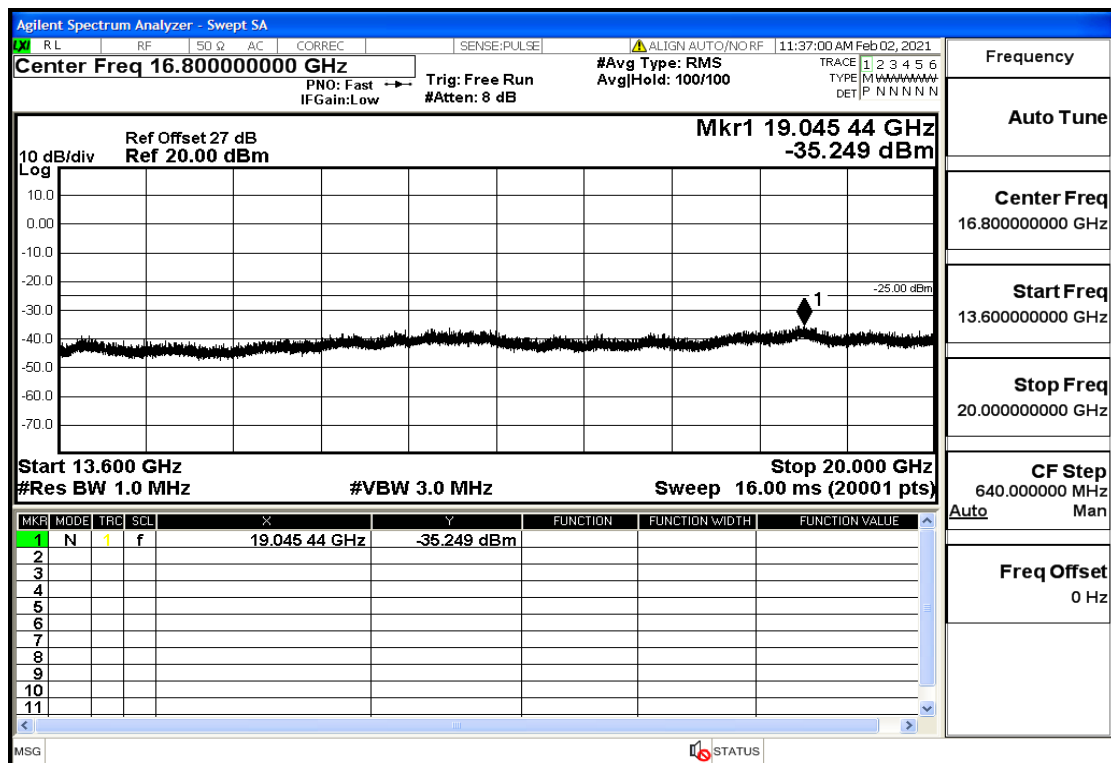
OB7-5-2535-QPSK-25#LOW@1GHz-7GHz@Pass



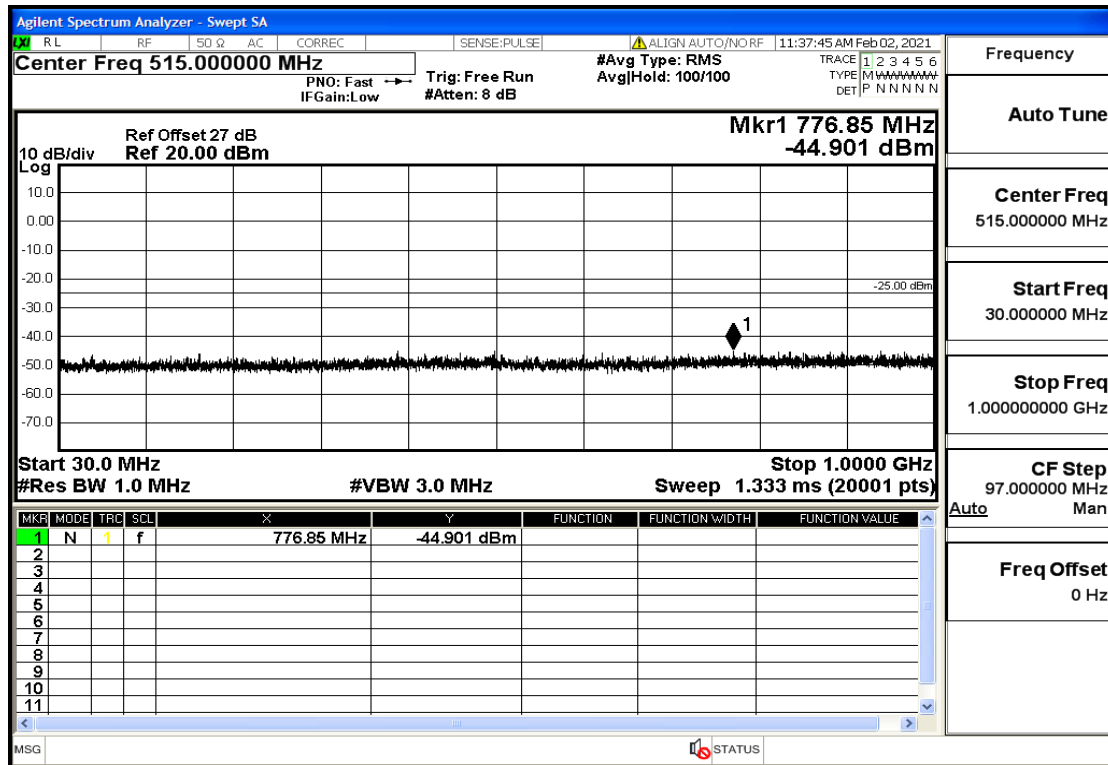
OB7-5-2535-QPSK-25#LOW@7GHz-13.6GHz@Pass



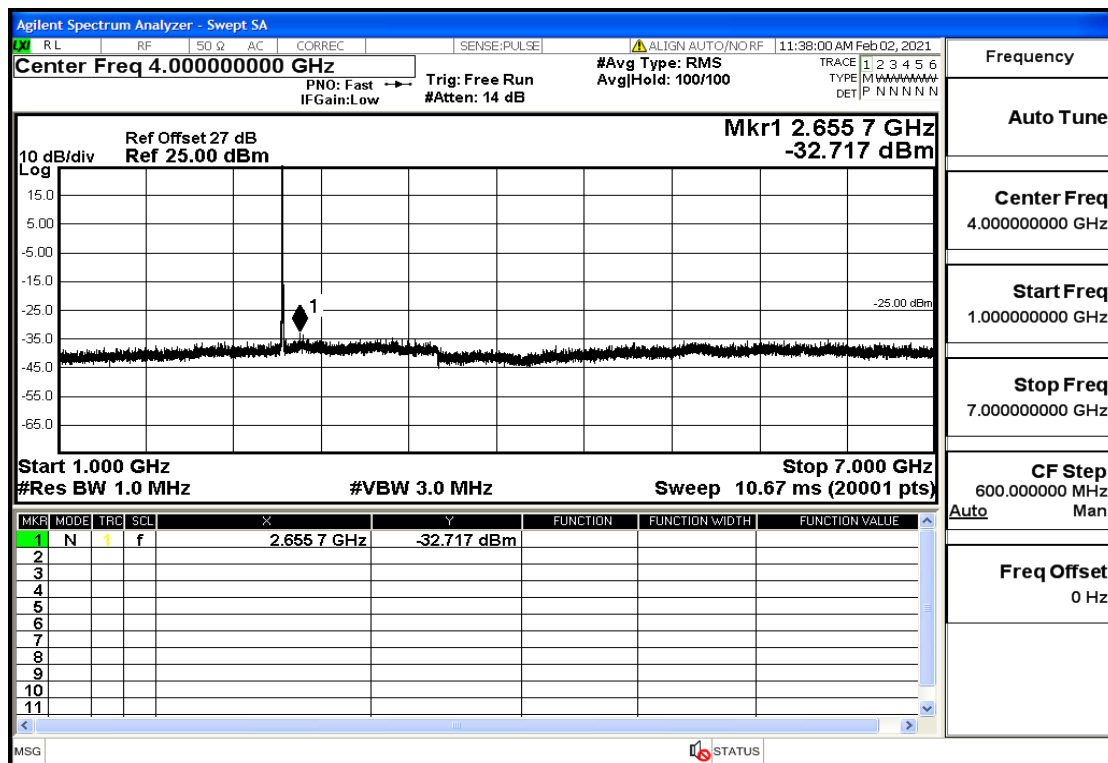
OB7-5-2535-QPSK-25#LOW@13.6GHz-20GHz@Pass



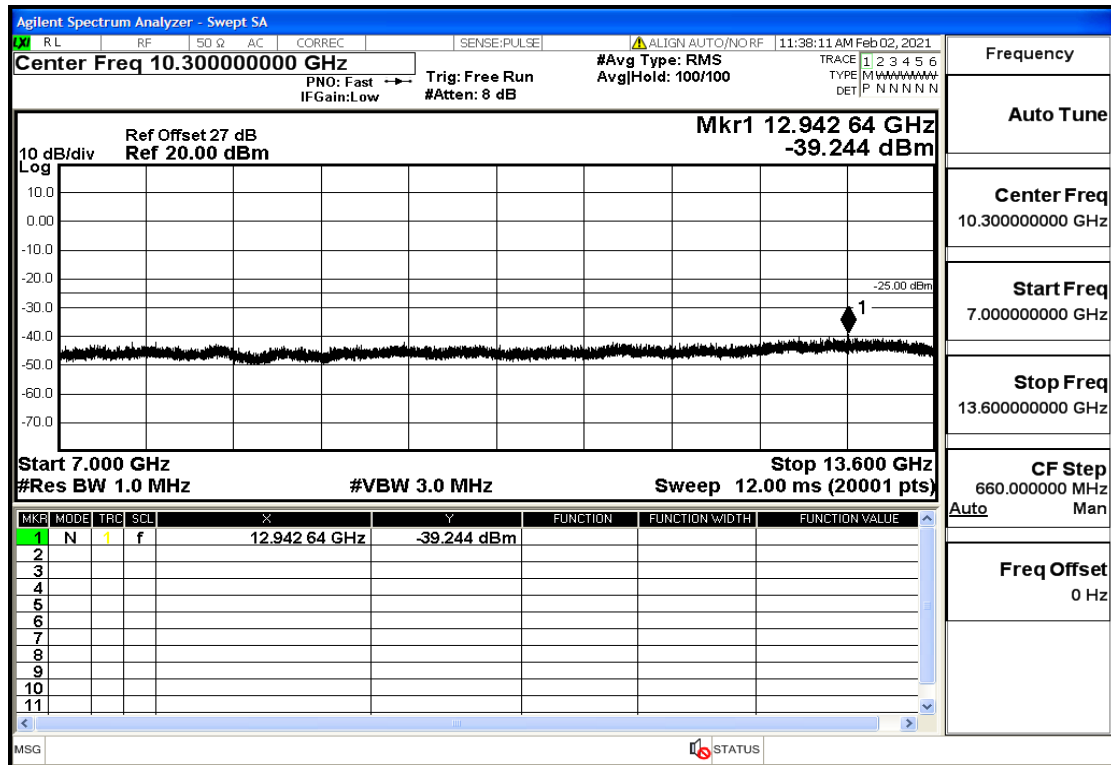
OB7-5-2535-QPSK-1#LOW@30mHz-1GHz@Pass



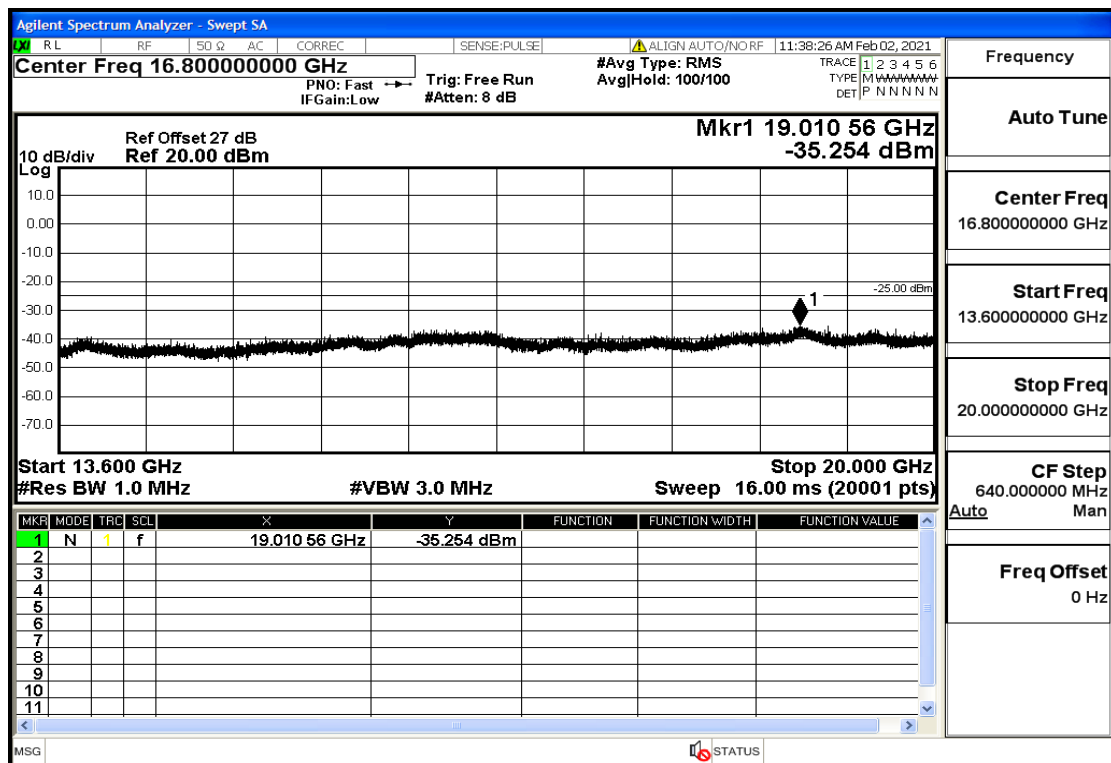
OB7-5-2535-QPSK-1#LOW@1GHz-7GHz@Pass



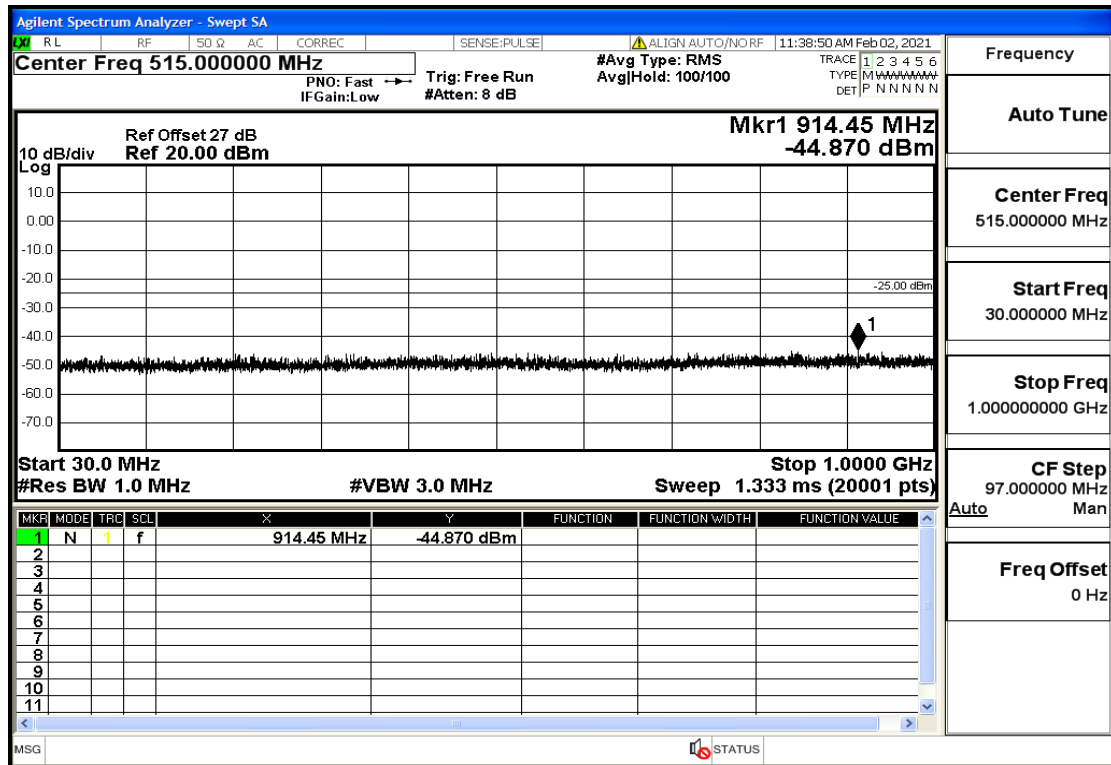
OB7-5-2535-QPSK-1#LOW@7GHz-13.6GHz@Pass



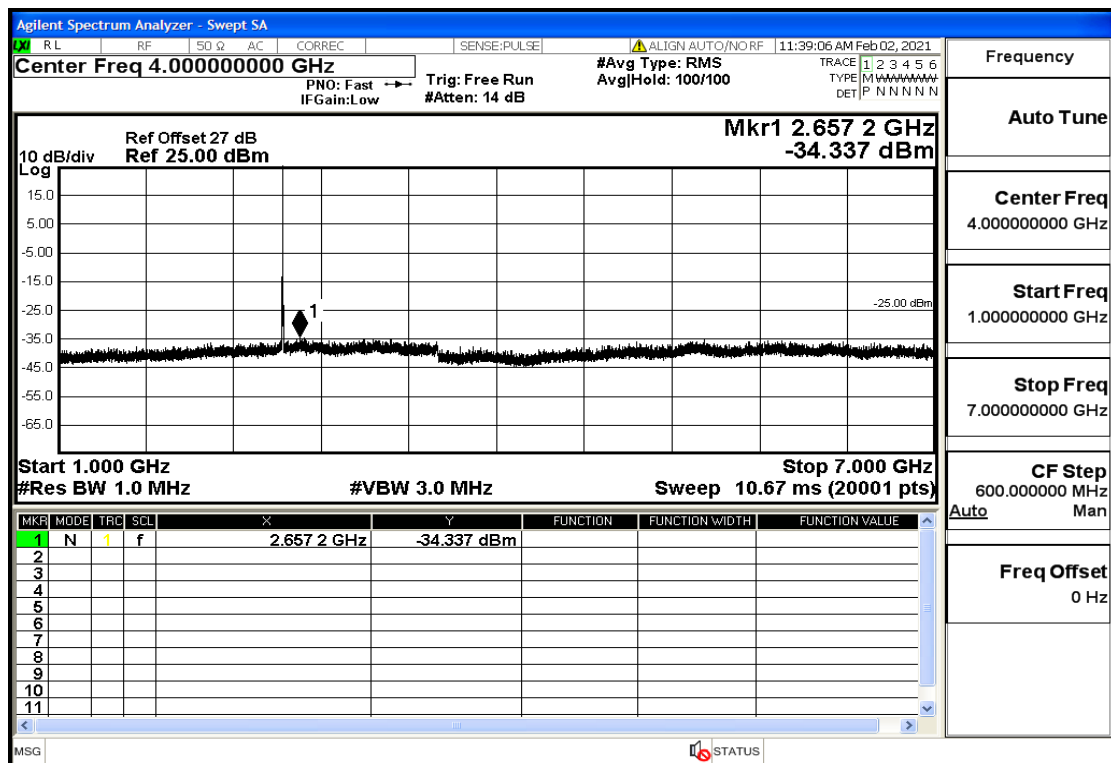
OB7-5-2535-QPSK-1#LOW@13.6GHz-20GHz@Pass



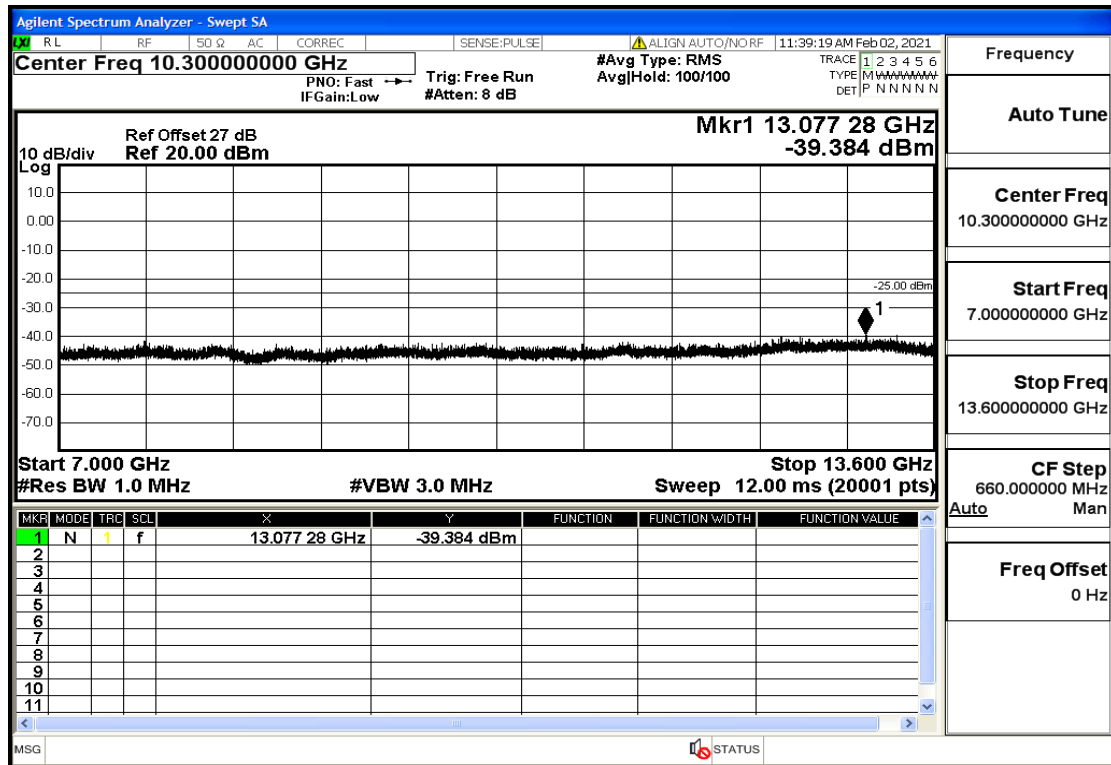
OB7-5-2535-QPSK-1#HIGH@30mHz-1GHz@Pass



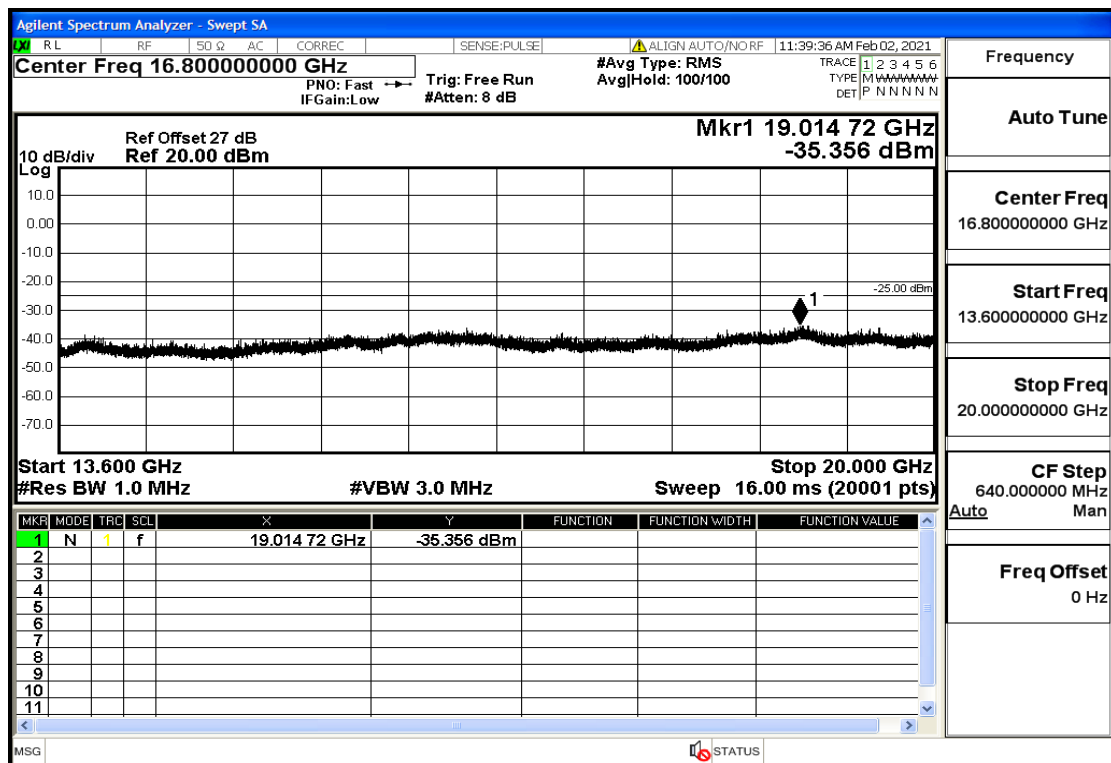
OB7-5-2535-QPSK-1#HIGH@1GHz-7GHz@Pass



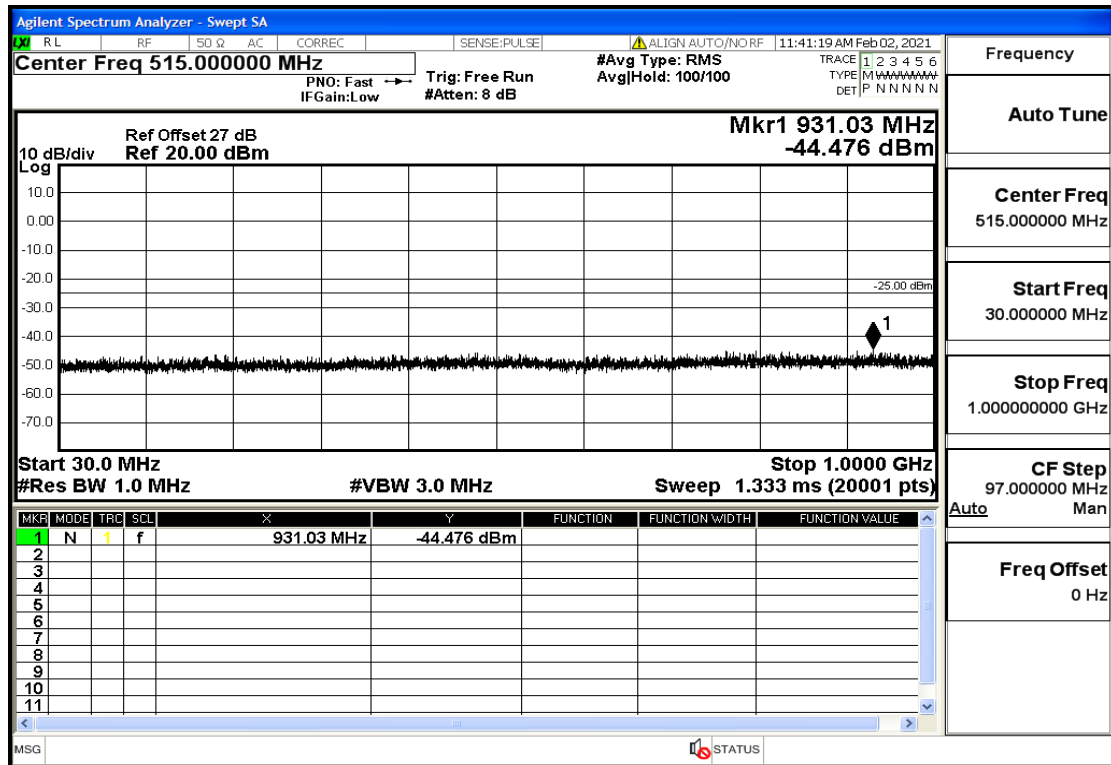
OB7-5-2535-QPSK-1#HIGH@7GHz-13.6GHz@Pass



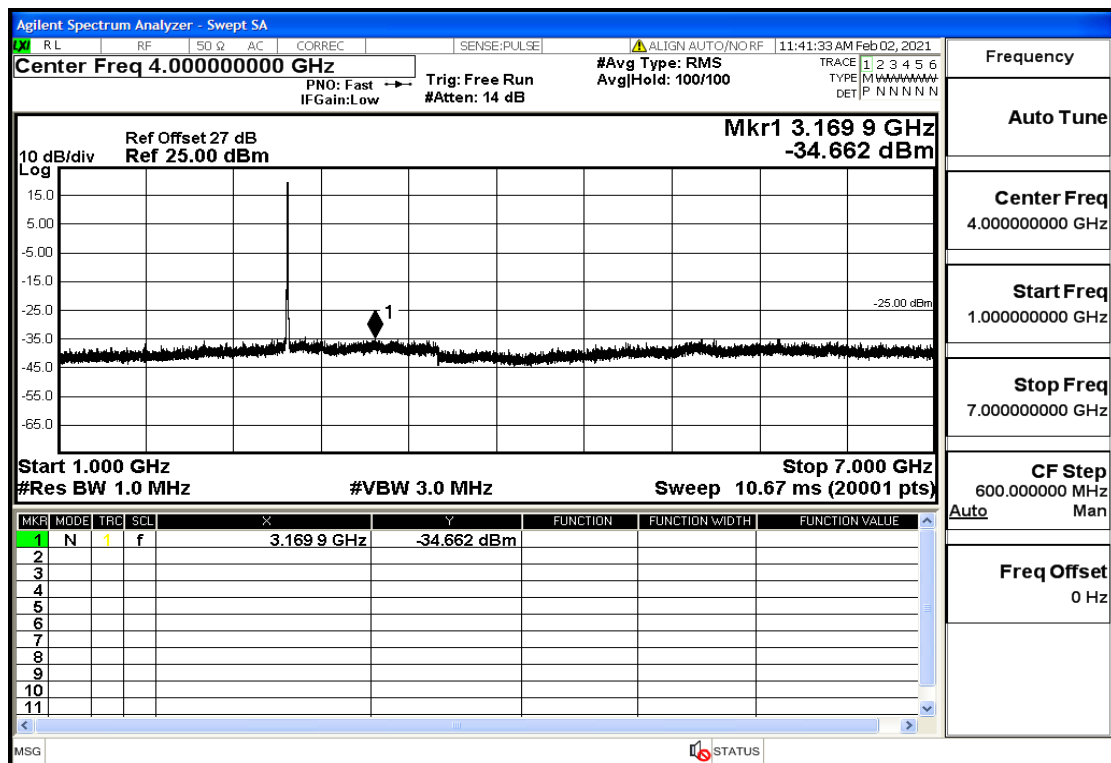
OB7-5-2535-QPSK-1#HIGH@13.6GHz-20GHz@Pass



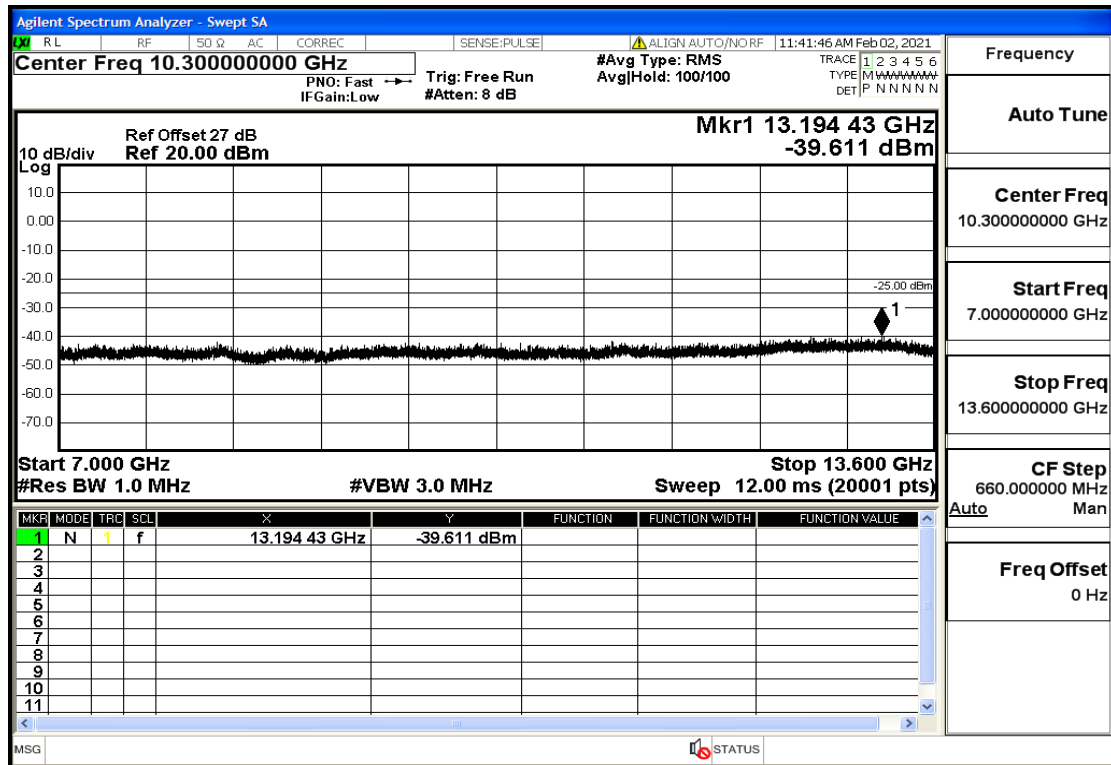
OB7-5-2567.5-QPSK-25#LOW@30MHz-1GHz@Pass



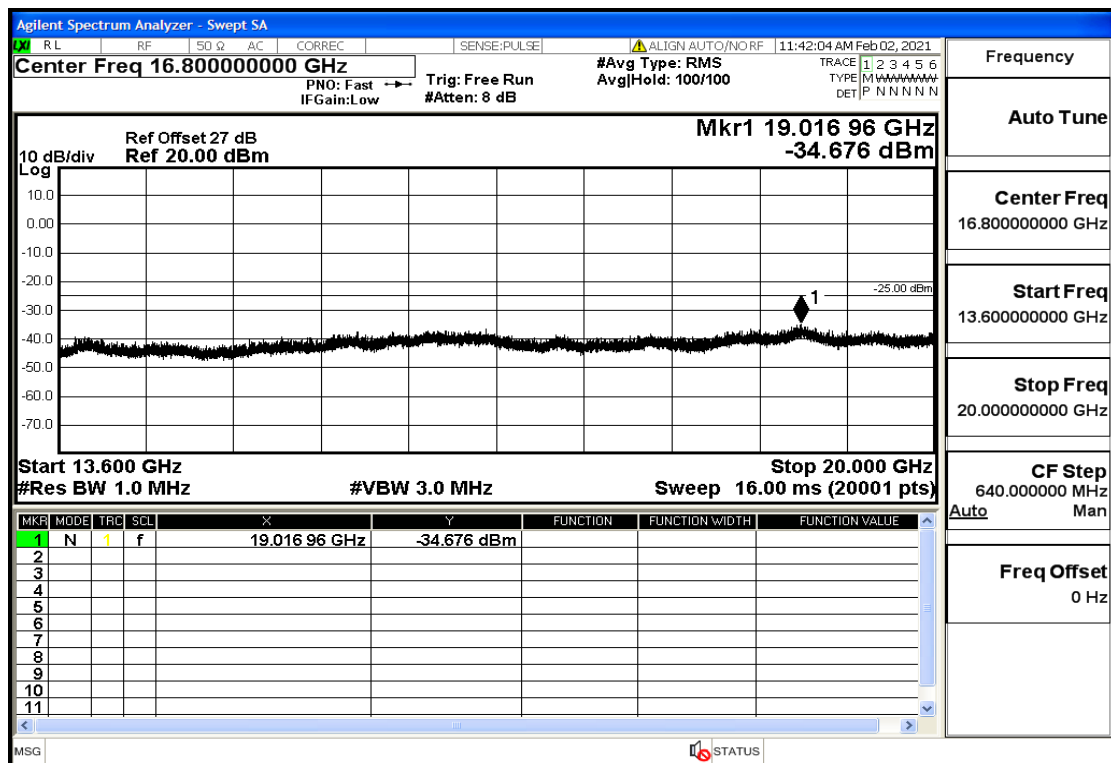
OB7-5-2567.5-QPSK-25#LOW@1GHz-7GHz@Pass



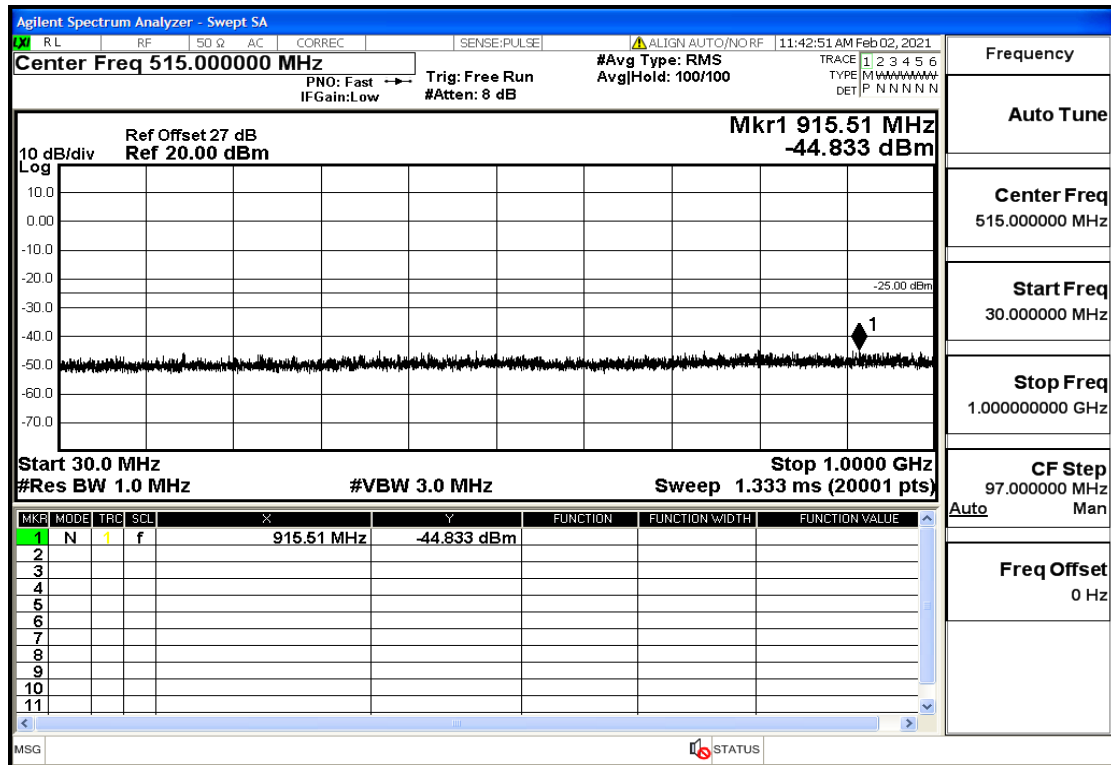
OB7-5-2567.5-QPSK-25#LOW@7GHz-13.6GHz@Pass



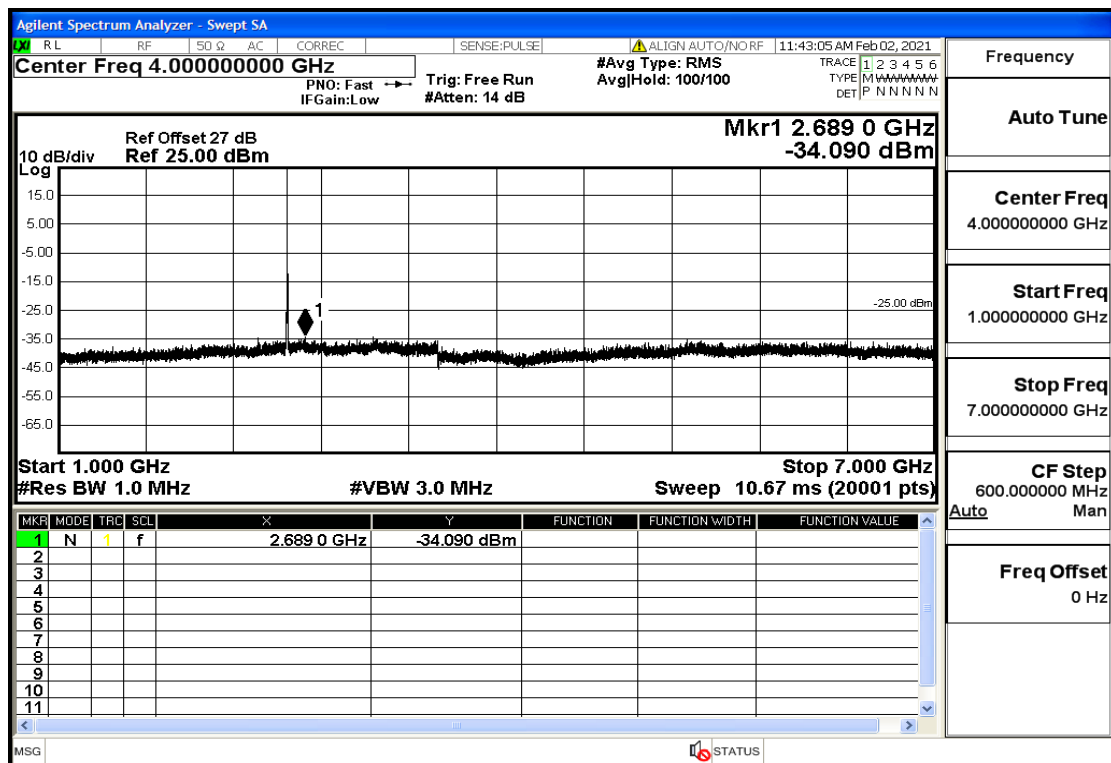
OB7-5-2567.5-QPSK-25#LOW@13.6GHz-20GHz@Pass



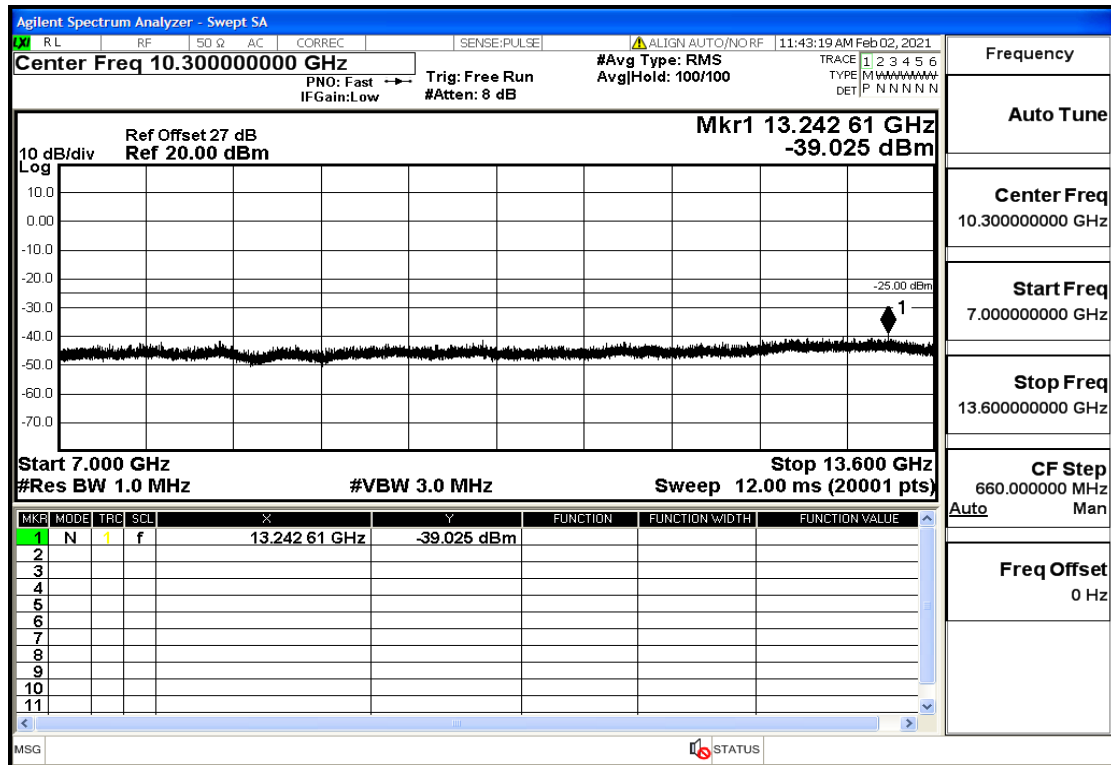
OB7-5-2567.5-QPSK-1#LOW@30mHz-1GHz@Pass



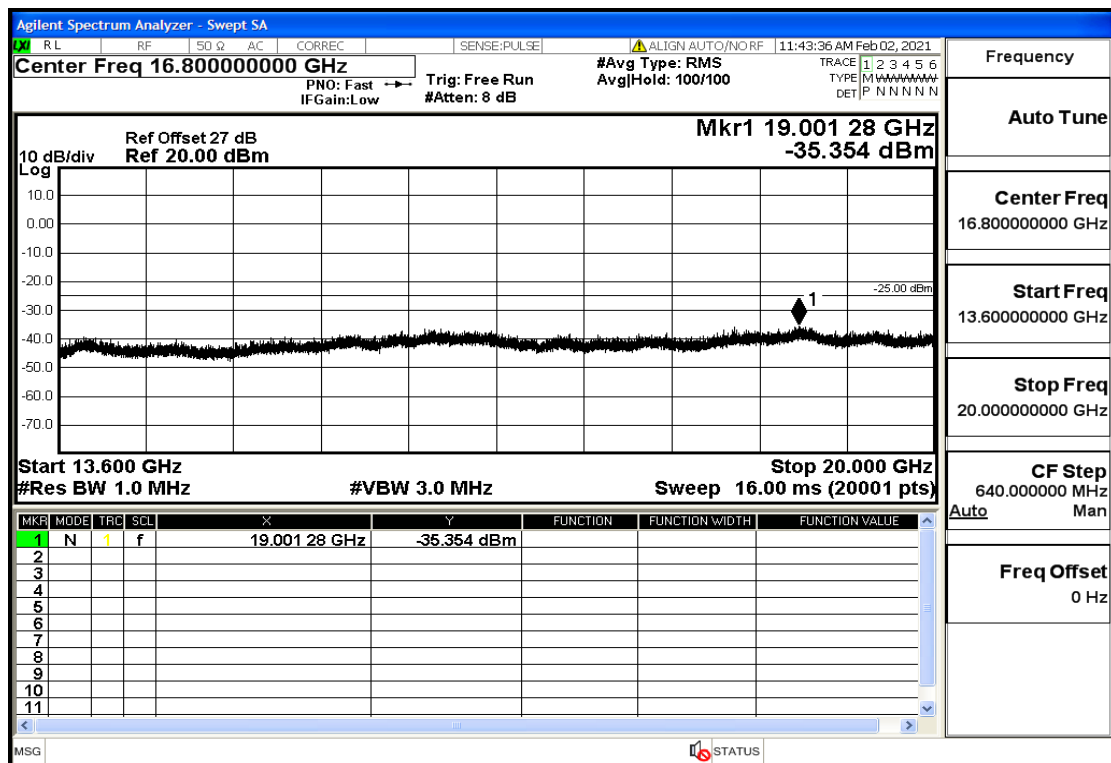
OB7-5-2567.5-QPSK-1#LOW@1GHz-7GHz@Pass



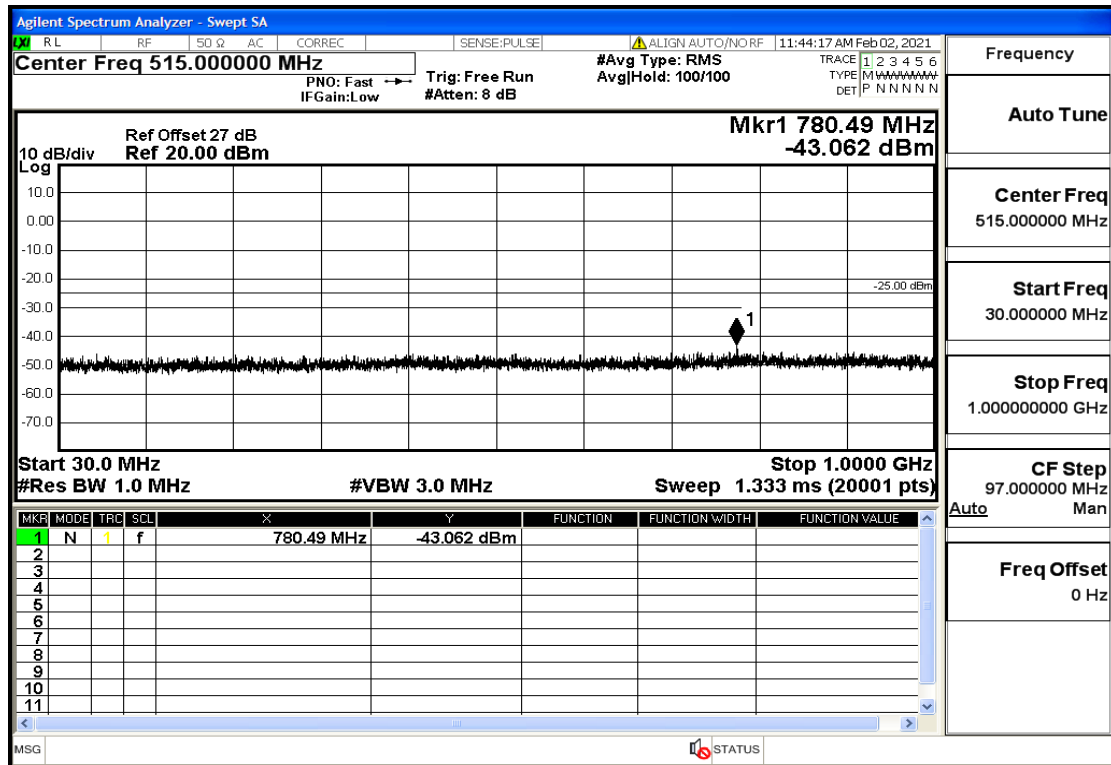
OB7-5-2567.5-QPSK-1#LOW@7GHz-13.6GHz@Pass



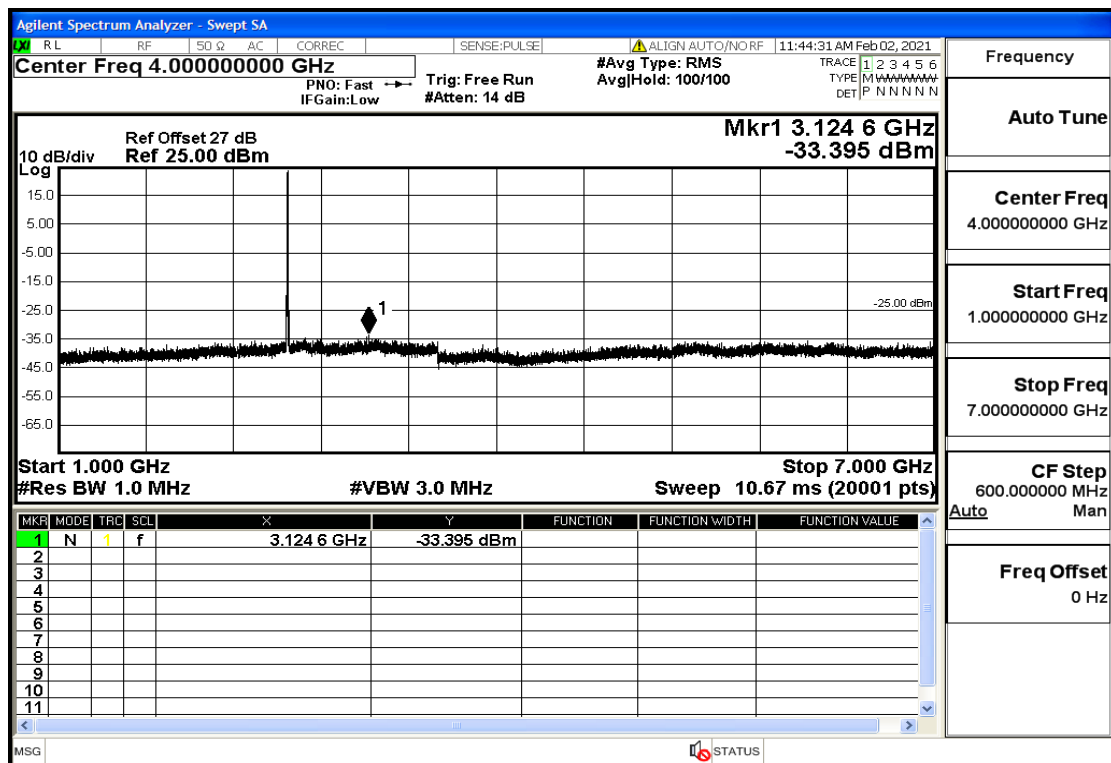
OB7-5-2567.5-QPSK-1#LOW@13.6GHz-20GHz@Pass



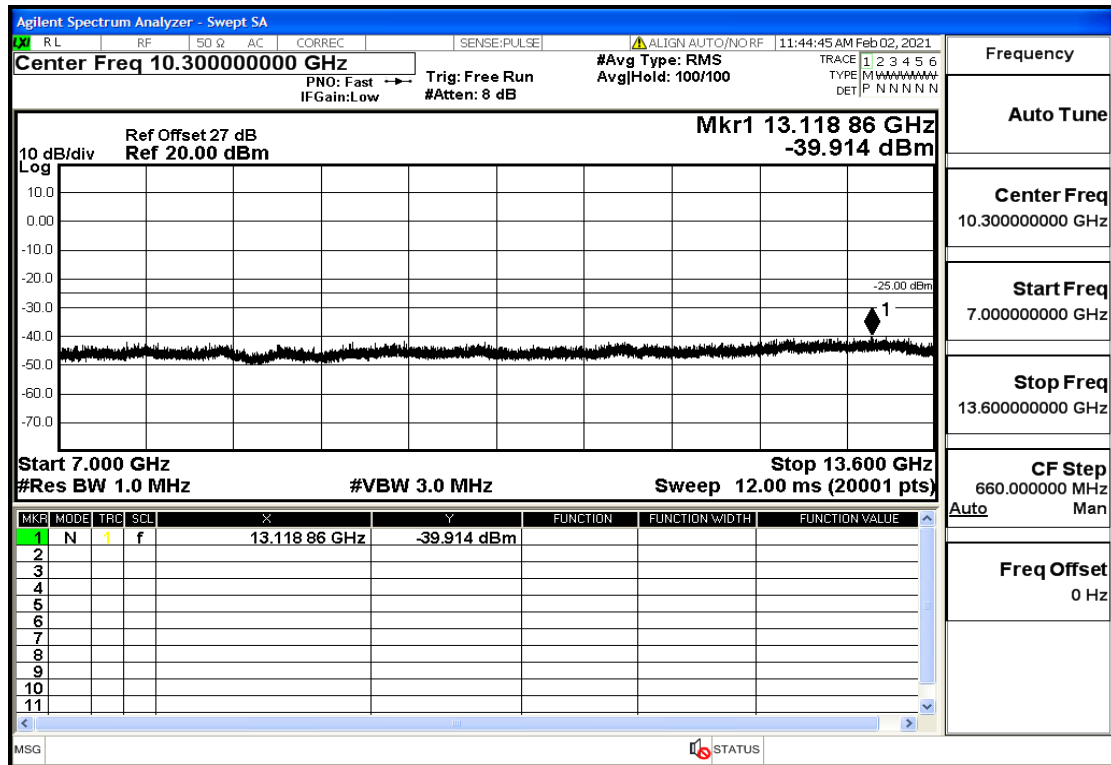
OB7-5-2567.5-QPSK-1#HIGH@30mHz-1GHz@Pass



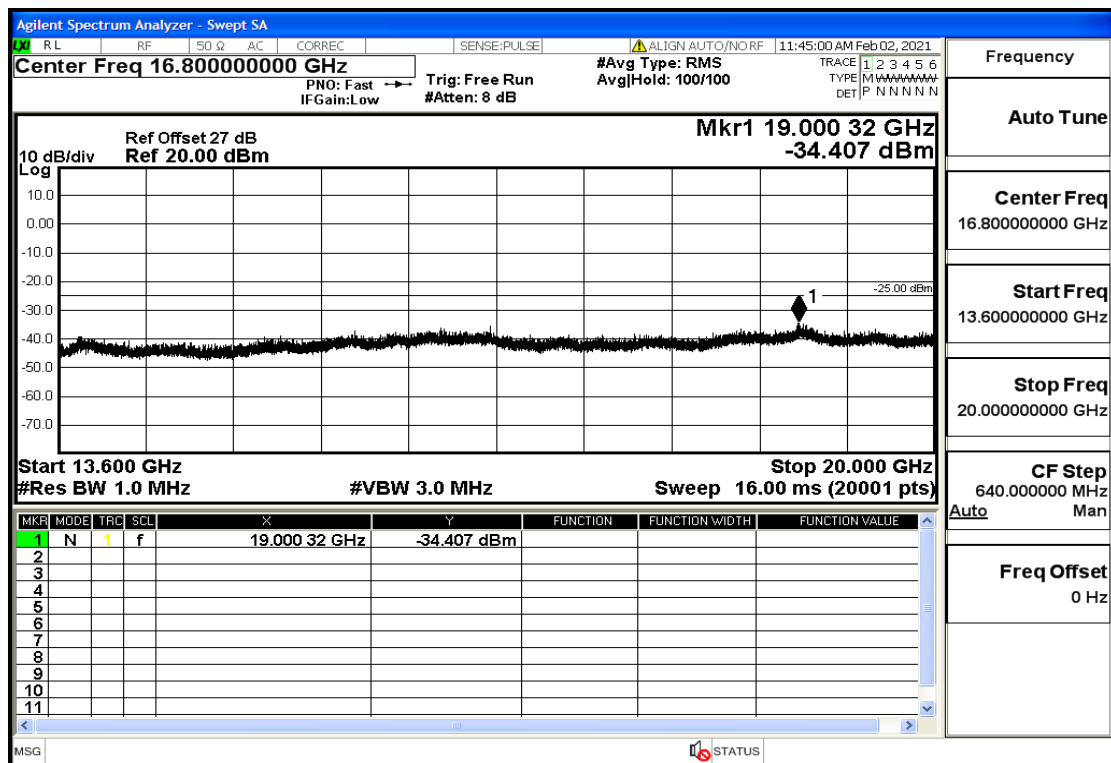
OB7-5-2567.5-QPSK-1#HIGH@1GHz-7GHz@Pass



OB7-5-2567.5-QPSK-1#HIGH@7GHz-13.6GHz@Pass



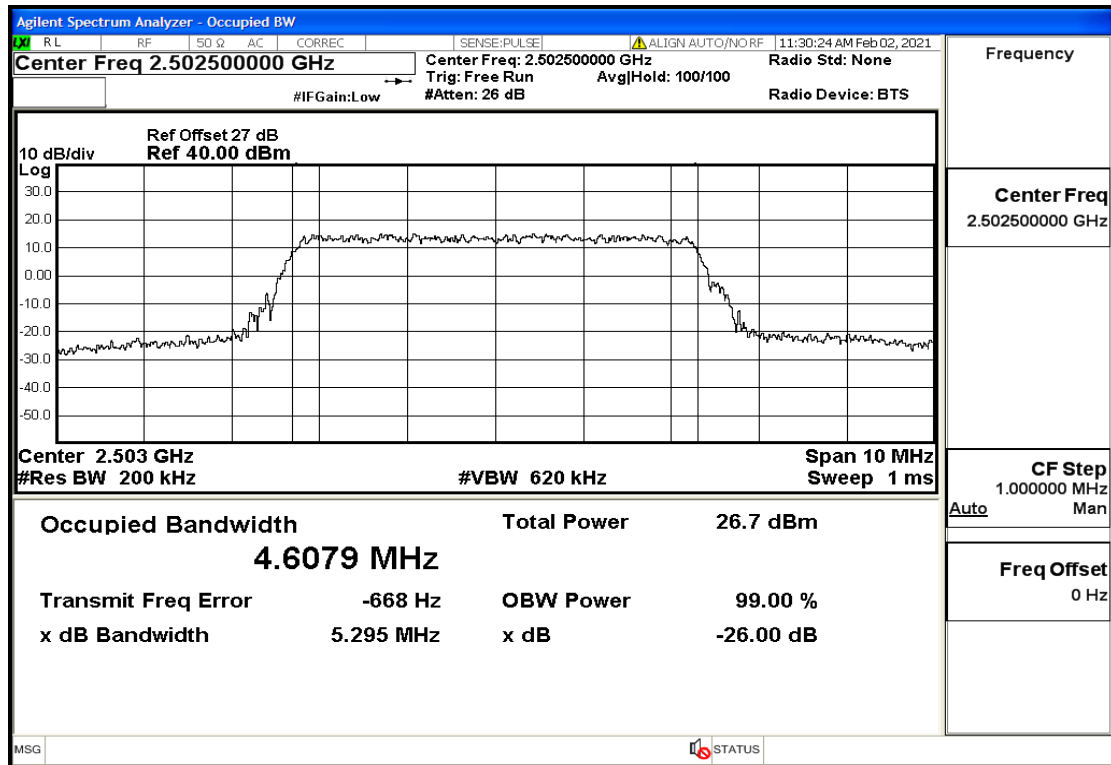
OB7-5-2567.5-QPSK-1#HIGH@13.6GHz-20GHz@Pass



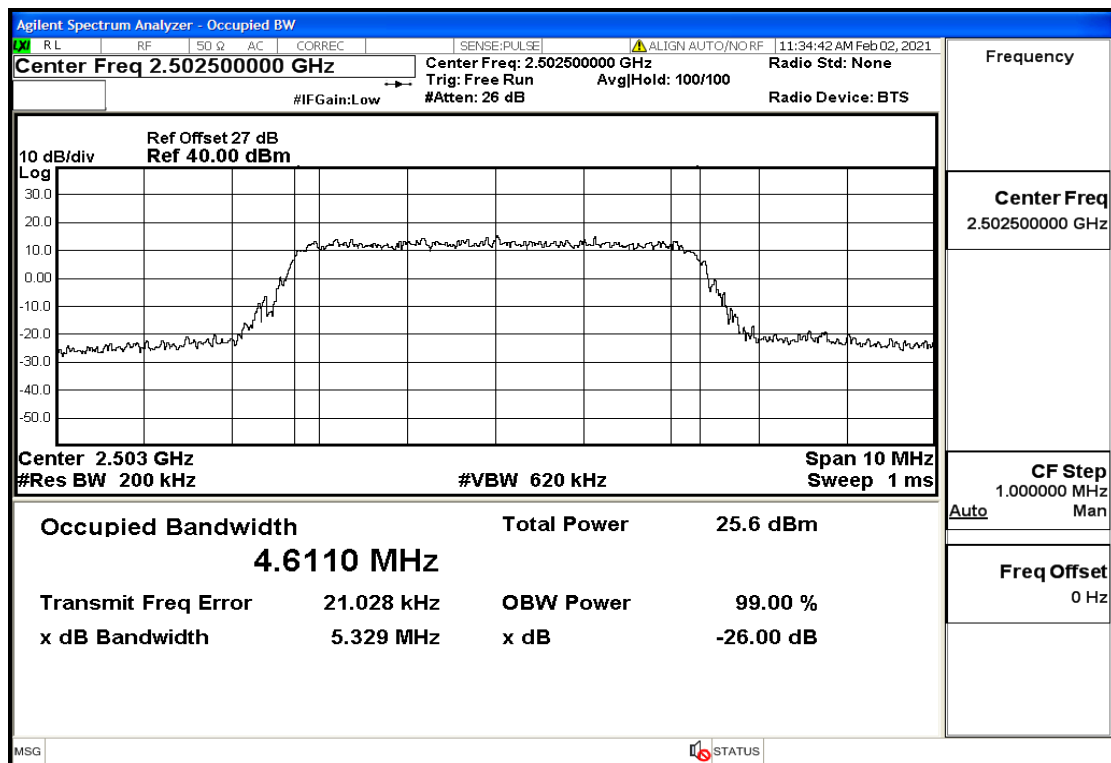
Emission bandwidth and OBW

| 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 | 4607.9 | 5295 | No limit |
| Band7 | 5 | 2502.5 | 16QAM | 25 | LOW | 4611 | 5329 | No limit |
| Band7 | 5 | 2535 | QPSK | 25 | LOW | 4632.6 | 5346 | No limit |
| Band7 | 5 | 2535 | 16QAM | 25 | LOW | 4603.4 | 5390 | No limit |
| Band7 | 5 | 2567.5 | QPSK | 25 | LOW | 4586 | 5349 | No limit |
| Band7 | 5 | 2567.5 | 16QAM | 25 | LOW | 4595.1 | 5349 | No limit |

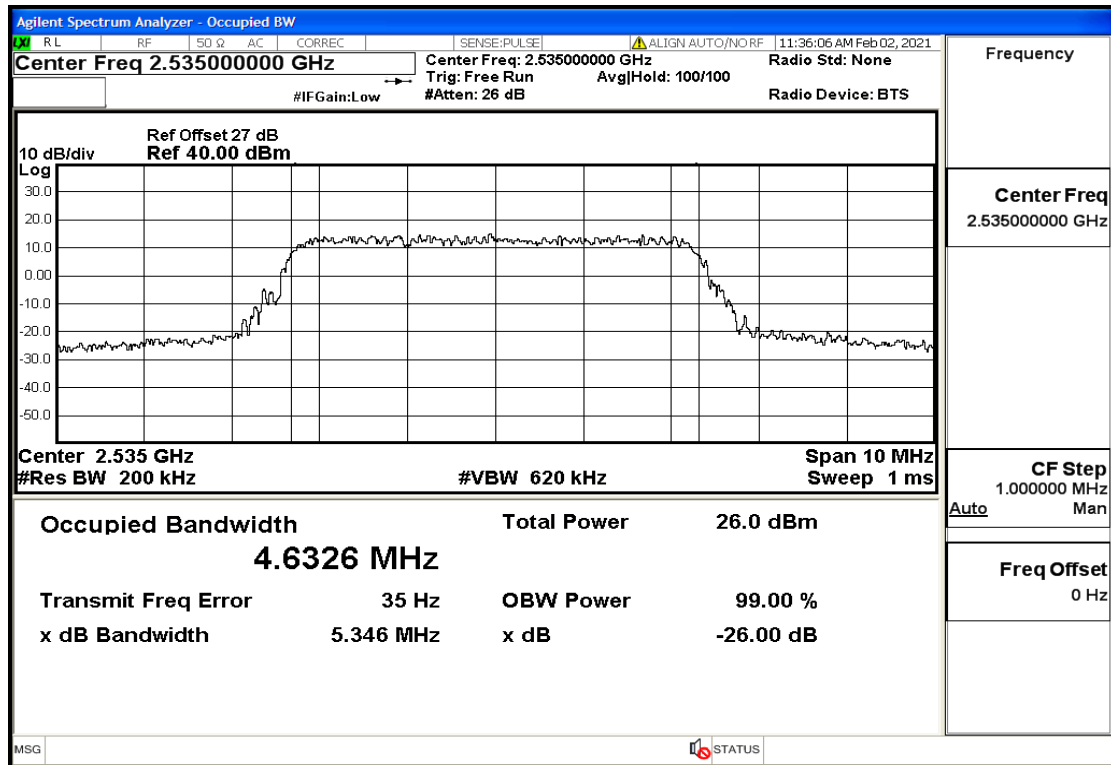
Band7-5-2502.5-QPSK-25#LOW@26dB and 99PCT Bandwidth



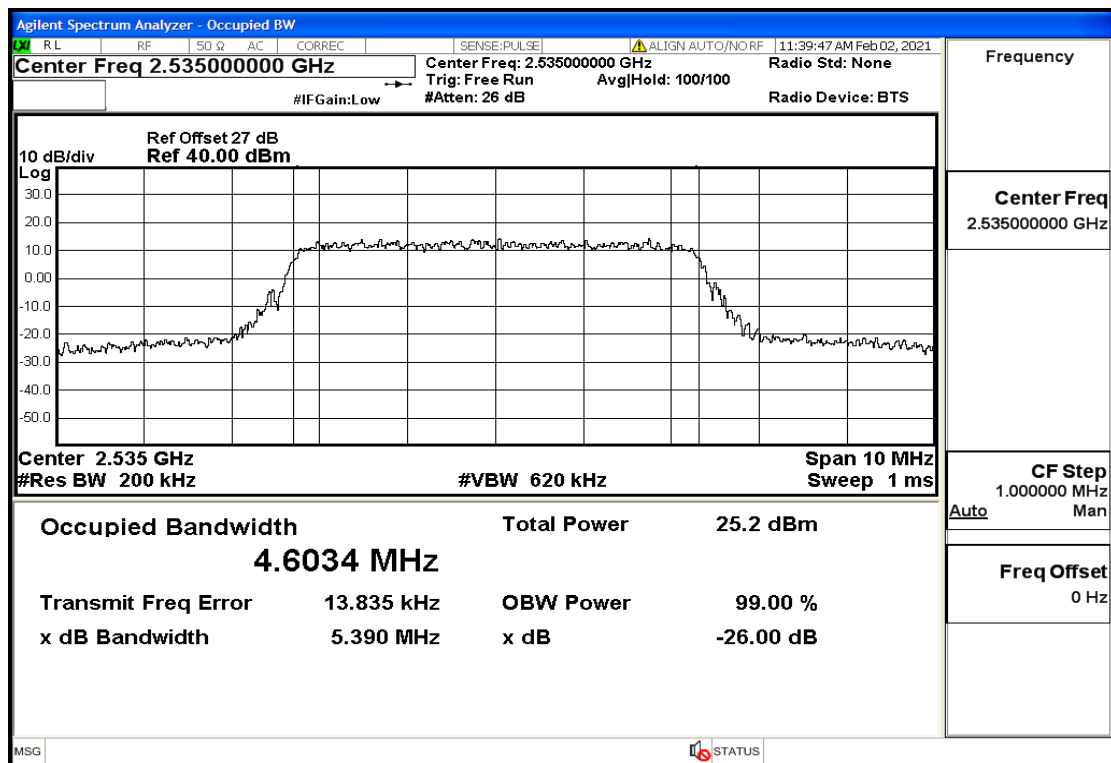
Band7-5-2502.5-16QAM-25#LOW@26dB and 99PCT Bandwidth



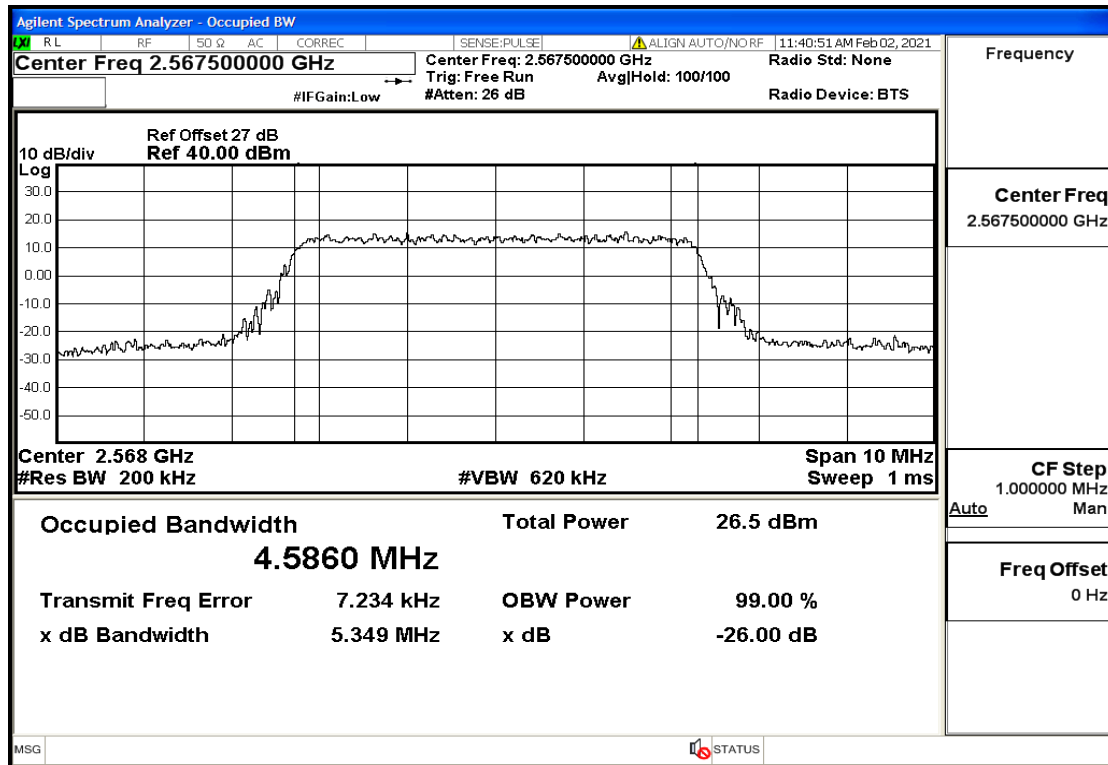
Band7-5-2535-QPSK-25#LOW@26dB and 99PCT Bandwidth



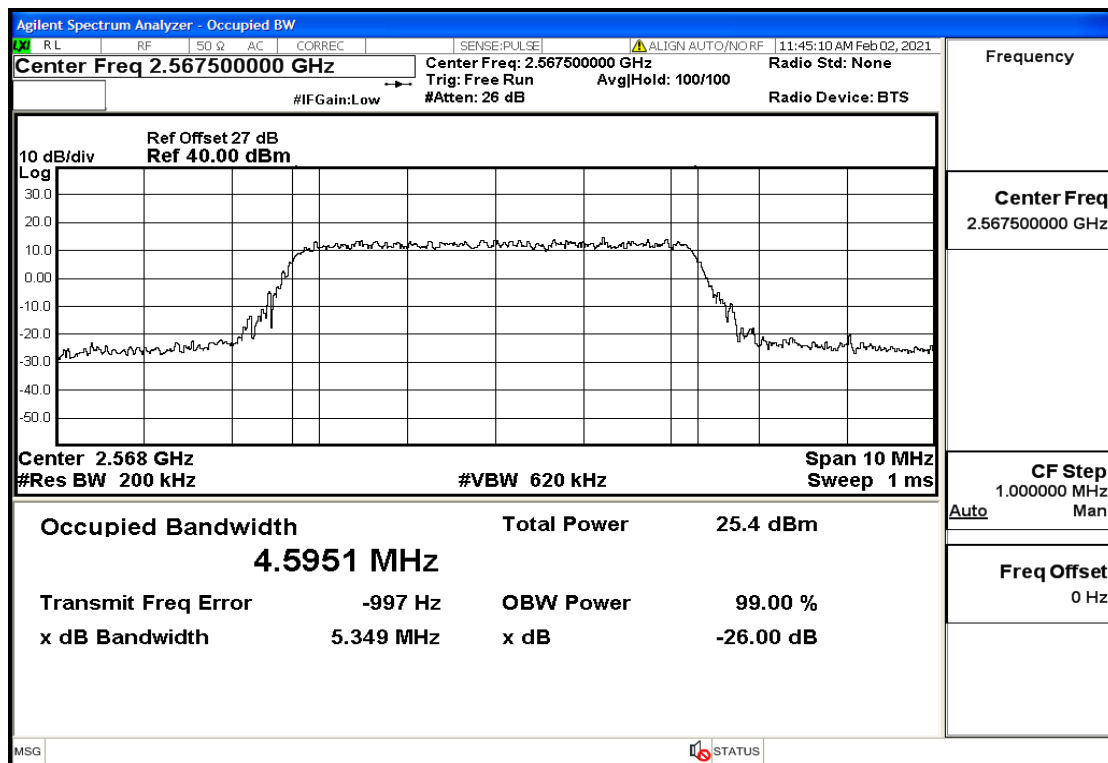
Band7-5-2535-16QAM-25#LOW@26dB and 99PCT Bandwidth



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



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



Frequency Stability

| Test Conditions | | LTE Band 7 (QPSK) / Middle Channel | Limit |
|------------------|-------------------|---------------------------------------|--------|
| Temperature (°C) | Voltage (Volt) | BW 5MHz | 2.5ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0064 | PASS |
| 40 | Normal Voltage | 0.0001 | |
| 30 | Normal Voltage | 0.0002 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0006 | |
| 0 | Normal Voltage | 0.0006 | |
| -10 | Normal Voltage | 0.0066 | |
| -20 | Normal Voltage | 0.0068 | |
| -30 | Normal Voltage | 0.0075 | |
| 20 | Maximum Voltage | 0.0007 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0073 | |

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 | 19.99 | 25.89 | 5.9 | 13 | -1.0 | 18.99 | 33 | Pass |
| Band7 | 5 | 2502.5 | QPSK | 12 | LOW | 19.45 | 25.17 | 5.72 | 13 | -1.0 | 18.45 | 33 | Pass |
| Band7 | 5 | 2502.5 | QPSK | 12 | MID | 19.43 | 25.24 | 5.81 | 13 | -1.0 | 18.43 | 33 | Pass |
| Band7 | 5 | 2502.5 | QPSK | 12 | HIGH | 19.46 | 25.18 | 5.72 | 13 | -1.0 | 18.46 | 33 | Pass |
| Band7 | 5 | 2502.5 | QPSK | 1 | LOW | 20.06 | 25.48 | 5.42 | 13 | -1.0 | 19.06 | 33 | Pass |
| Band7 | 5 | 2502.5 | QPSK | 1 | MID | 20.23 | 25.7 | 5.47 | 13 | -1.0 | 19.23 | 33 | Pass |
| Band7 | 5 | 2502.5 | QPSK | 1 | HIGH | 19.88 | 25.49 | 5.61 | 13 | -1.0 | 18.88 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 25 | LOW | 18.18 | 25.59 | 7.41 | 13 | -1.0 | 17.18 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 12 | LOW | 18.11 | 24.81 | 6.7 | 13 | -1.0 | 17.11 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 12 | MID | 18.11 | 24.8 | 6.69 | 13 | -1.0 | 17.11 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 12 | HIGH | 18.18 | 24.91 | 6.73 | 13 | -1.0 | 17.18 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 1 | LOW | 19.02 | 25.35 | 6.33 | 13 | -1.0 | 18.02 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 1 | MID | 19.34 | 25.6 | 6.26 | 13 | -1.0 | 18.34 | 33 | Pass |
| Band7 | 5 | 2502.5 | 16QAM | 1 | HIGH | 18.99 | 25.41 | 6.42 | 13 | -1.0 | 17.99 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 25 | LOW | 18.91 | 25.34 | 6.43 | 13 | -1.0 | 17.91 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 12 | LOW | 19.1 | 25.12 | 6.02 | 13 | -1.0 | 18.1 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 12 | MID | 19.11 | 25.05 | 5.94 | 13 | -1.0 | 18.11 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 12 | HIGH | 18.99 | 24.96 | 5.97 | 13 | -1.0 | 17.99 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 1 | LOW | 19.96 | 25.99 | 6.03 | 13 | -1.0 | 18.96 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 1 | MID | 20.01 | 25.95 | 5.94 | 13 | -1.0 | 19.01 | 33 | Pass |
| Band7 | 5 | 2535 | QPSK | 1 | HIGH | 19.63 | 25.81 | 6.18 | 13 | -1.0 | 18.63 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 25 | LOW | 18.01 | 25.55 | 7.54 | 13 | -1.0 | 17.01 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 12 | LOW | 18.22 | 25.51 | 7.29 | 13 | -1.0 | 17.22 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 12 | MID | 18.24 | 25.6 | 7.36 | 13 | -1.0 | 17.24 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 12 | HIGH | 18.11 | 25.34 | 7.23 | 13 | -1.0 | 17.11 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 1 | LOW | 19.21 | 24.87 | 5.66 | 13 | -1.0 | 18.21 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 1 | MID | 19.34 | 25.04 | 5.7 | 13 | -1.0 | 18.34 | 33 | Pass |
| Band7 | 5 | 2535 | 16QAM | 1 | HIGH | 18.95 | 24.72 | 5.77 | 13 | -1.0 | 17.95 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 25 | LOW | 19.36 | 25.53 | 6.17 | 13 | -1.0 | 18.36 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 12 | LOW | 19.27 | 25.54 | 6.27 | 13 | -1.0 | 18.27 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 12 | MID | 19.27 | 25.26 | 5.99 | 13 | -1.0 | 18.27 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 12 | HIGH | 19.06 | 25.27 | 6.21 | 13 | -1.0 | 18.06 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 1 | LOW | 20.2 | 25.25 | 5.05 | 13 | -1.0 | 19.2 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 1 | MID | 20.21 | 25.22 | 5.01 | 13 | -1.0 | 19.21 | 33 | Pass |
| Band7 | 5 | 2567.5 | QPSK | 1 | HIGH | 19.58 | 24.72 | 5.14 | 13 | -1.0 | 18.58 | 33 | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 25 | LOW | 18.17 | 26.14 | 7.97 | 13 | -1.0 | 17.17 | 33 | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 12 | LOW | 18.53 | 25.01 | 6.48 | 13 | -1.0 | 17.53 | 33 | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 12 | MID | 18.55 | 24.94 | 6.39 | 13 | -1.0 | 17.55 | 33 | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 12 | HIGH | 18.35 | 24.84 | 6.49 | 13 | -1.0 | 17.35 | 33 | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 1 | LOW | 19.72 | 25.3 | 5.58 | 13 | -1.0 | 18.72 | 33 | Pass |

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|-------|---|--------|-------|---|------|-------|-------|------|----|------|-------|----|------|
| Band7 | 5 | 2567.5 | 16QAM | 1 | MID | 19.78 | 25.19 | 5.41 | 13 | -1.0 | 18.78 | 33 | Pass |
| Band7 | 5 | 2567.5 | 16QAM | 1 | HIGH | 19.17 | 24.78 | 5.61 | 13 | -1.0 | 18.17 | 33 | Pass |