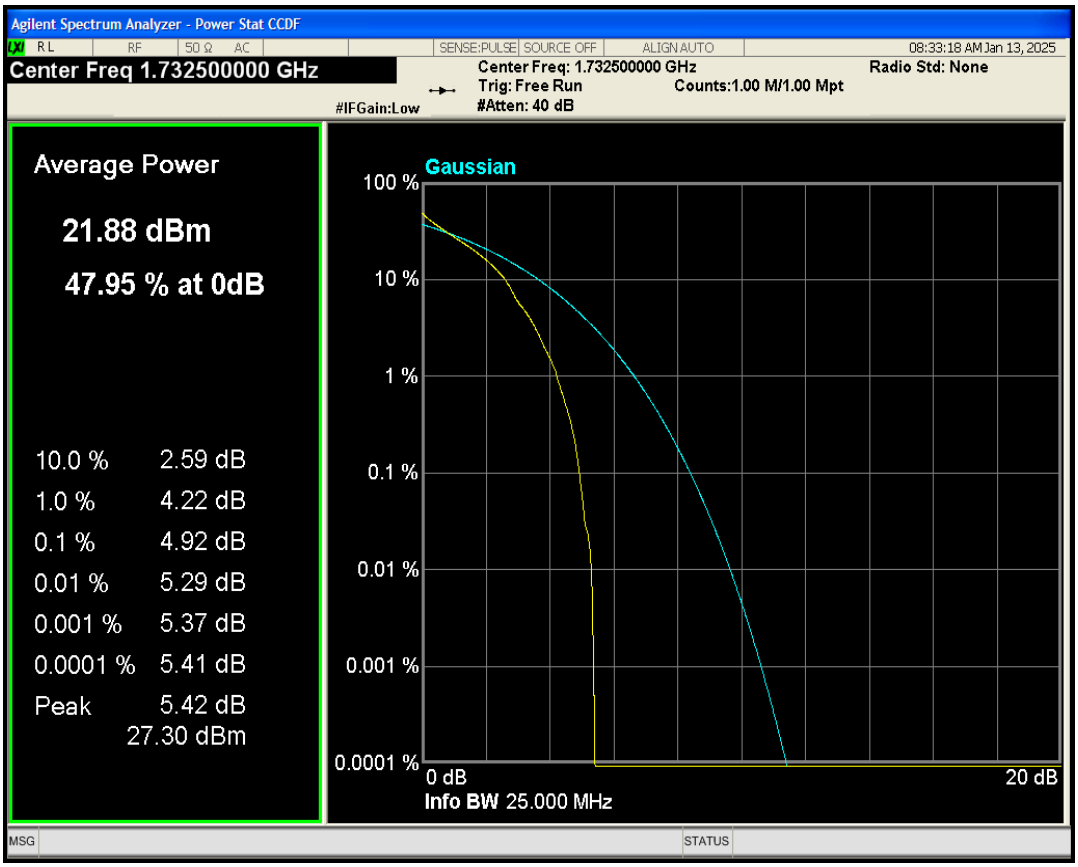
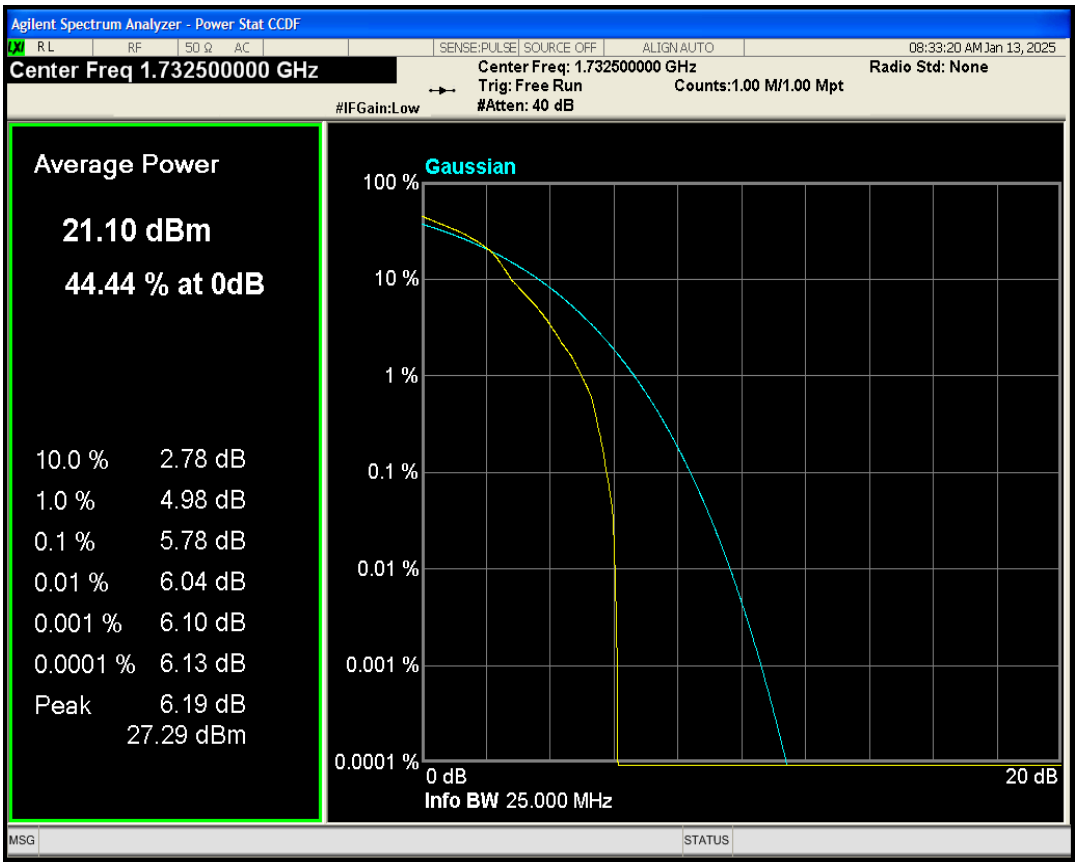
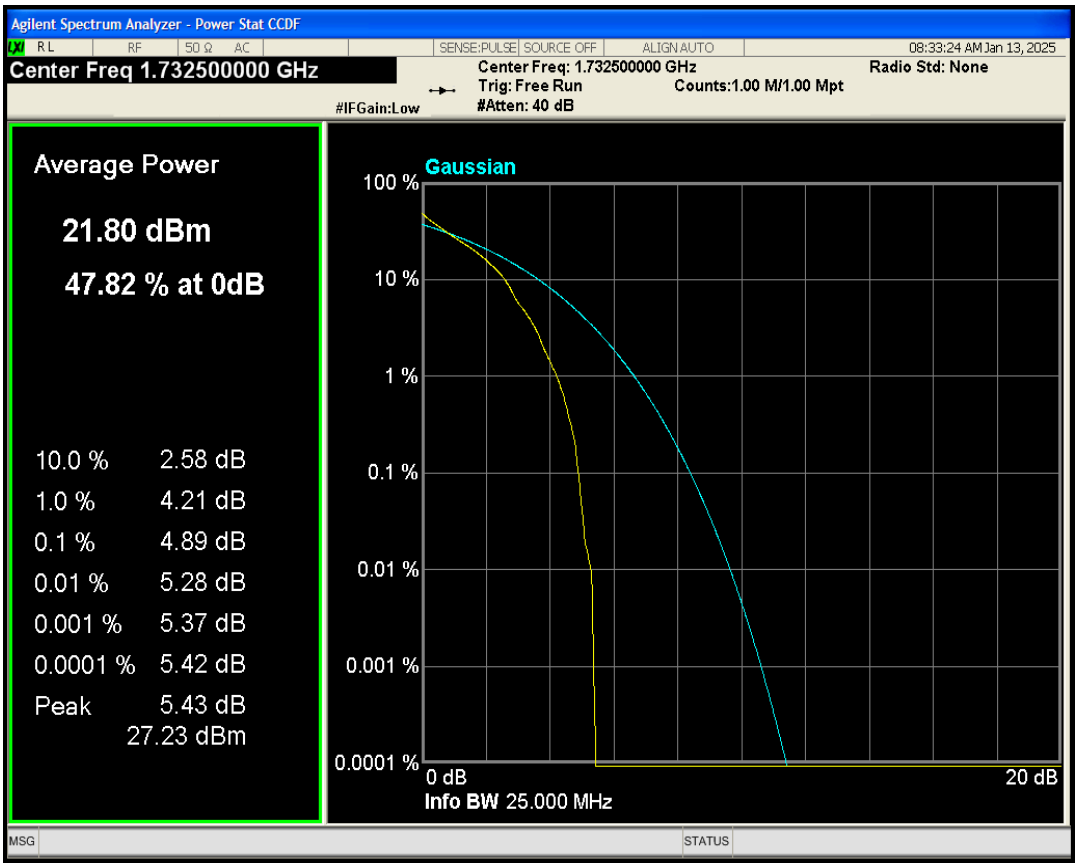


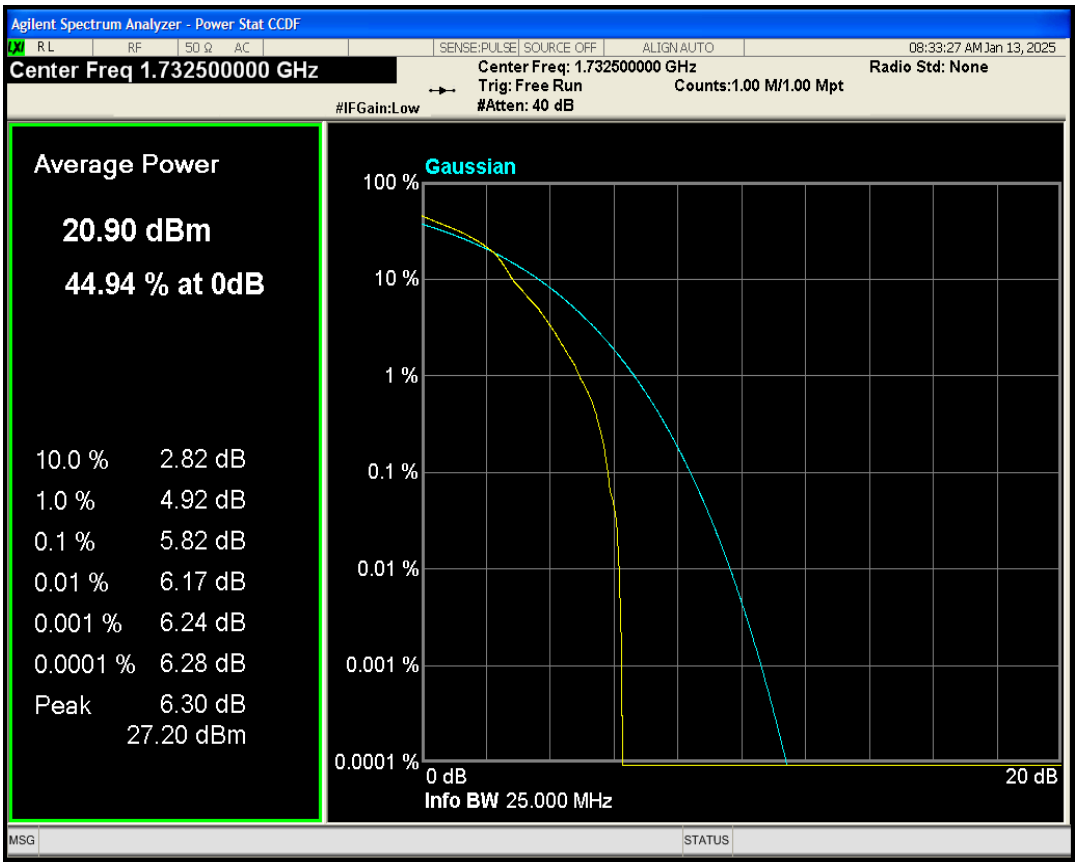

Band4 QAM16 BW=10MHz Channel=20175 RB Size=1 Position=#0



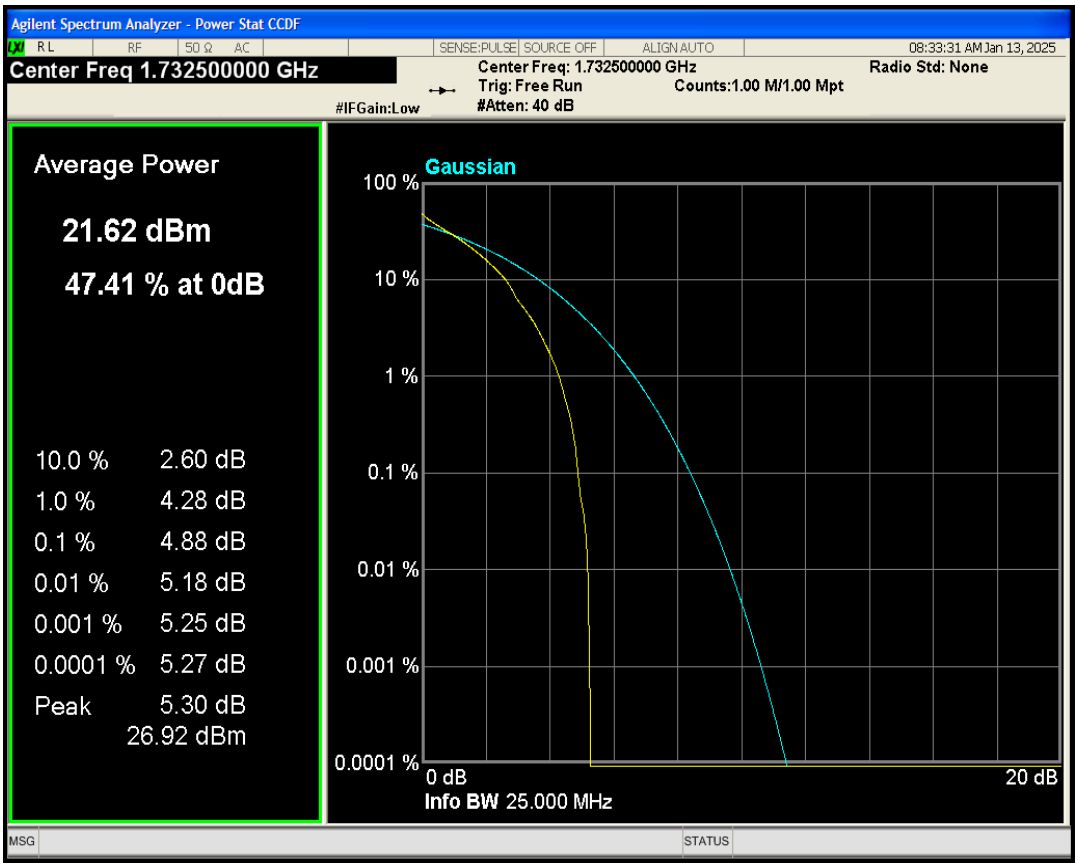

Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



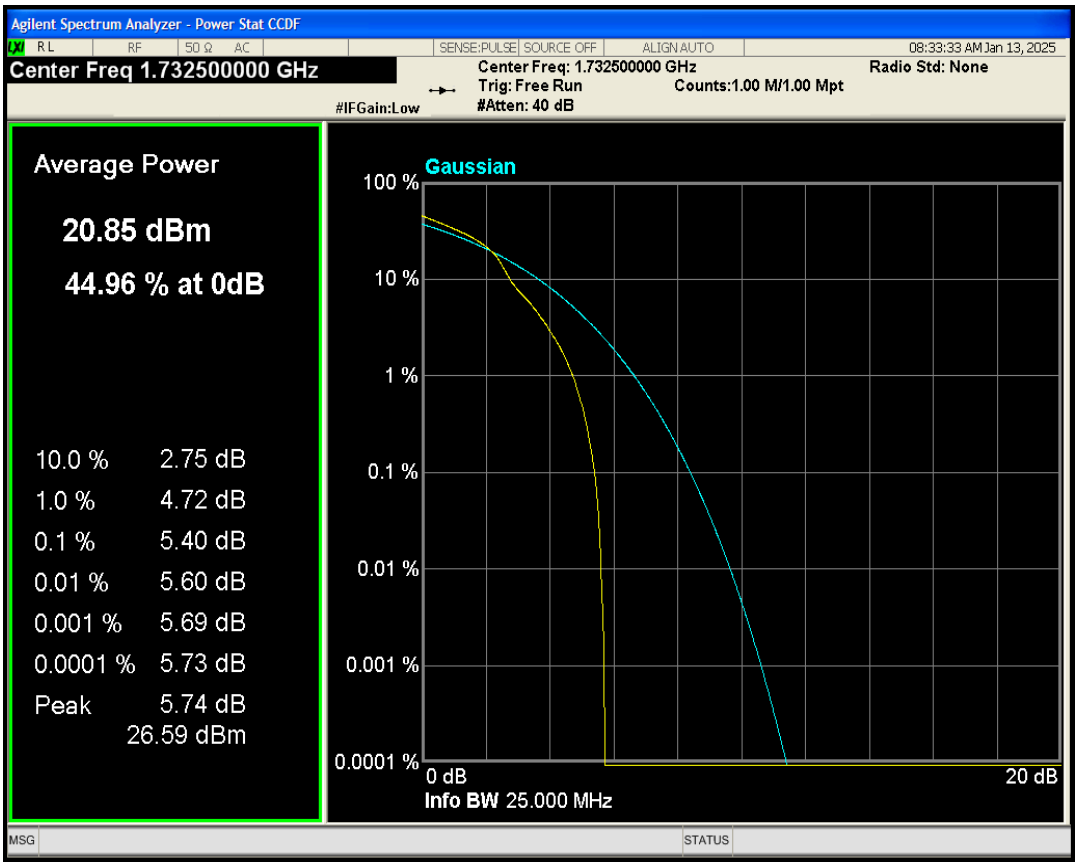

Band4 QAM16 BW=15MHz Channel=20175 RB Size=1 Position=#0



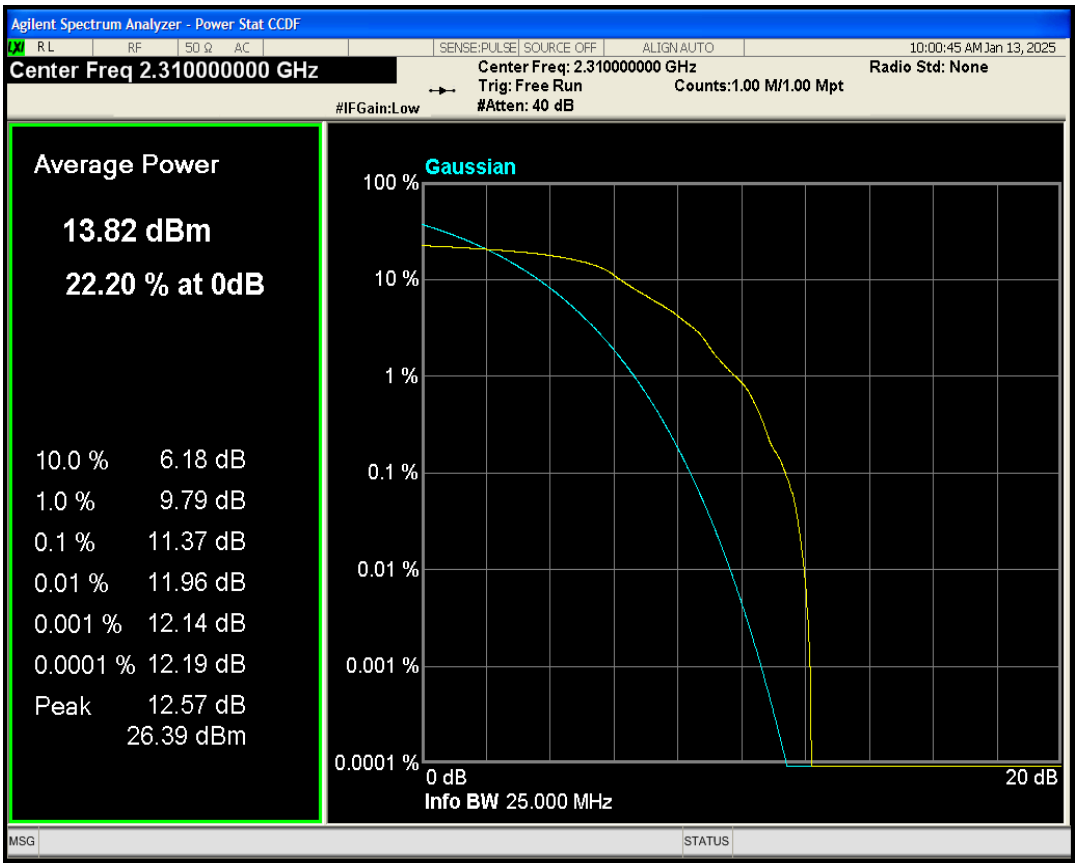

Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



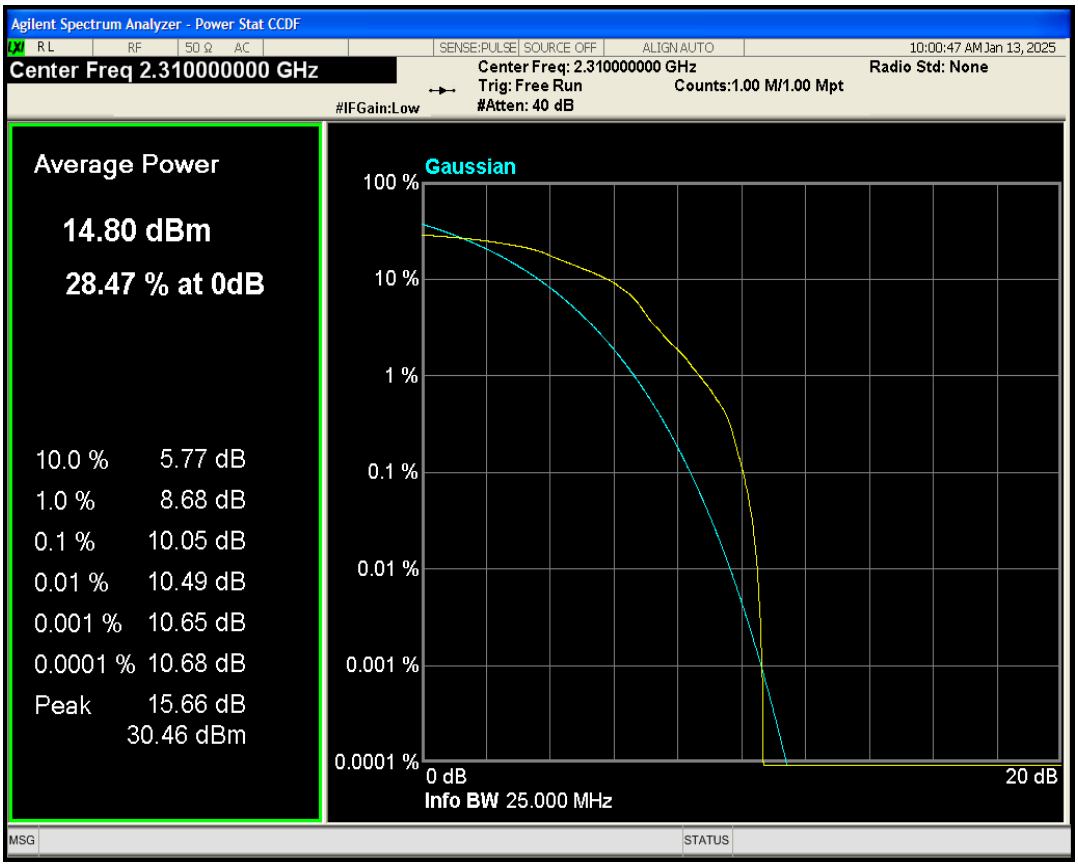

Band4 QAM16 BW=20MHz Channel=20175 RB Size=1 Position=#0



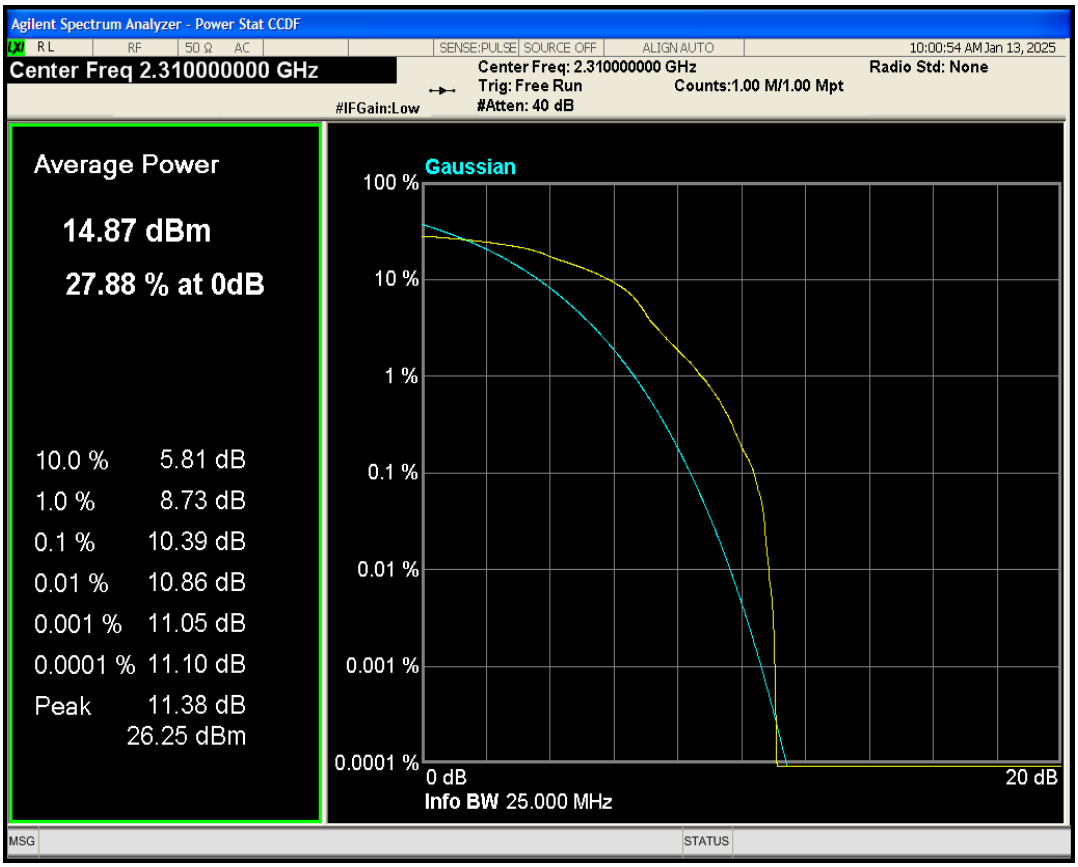

Band40a QPSK BW=5MHz Channel=38750 RB Size=1 Position=#0



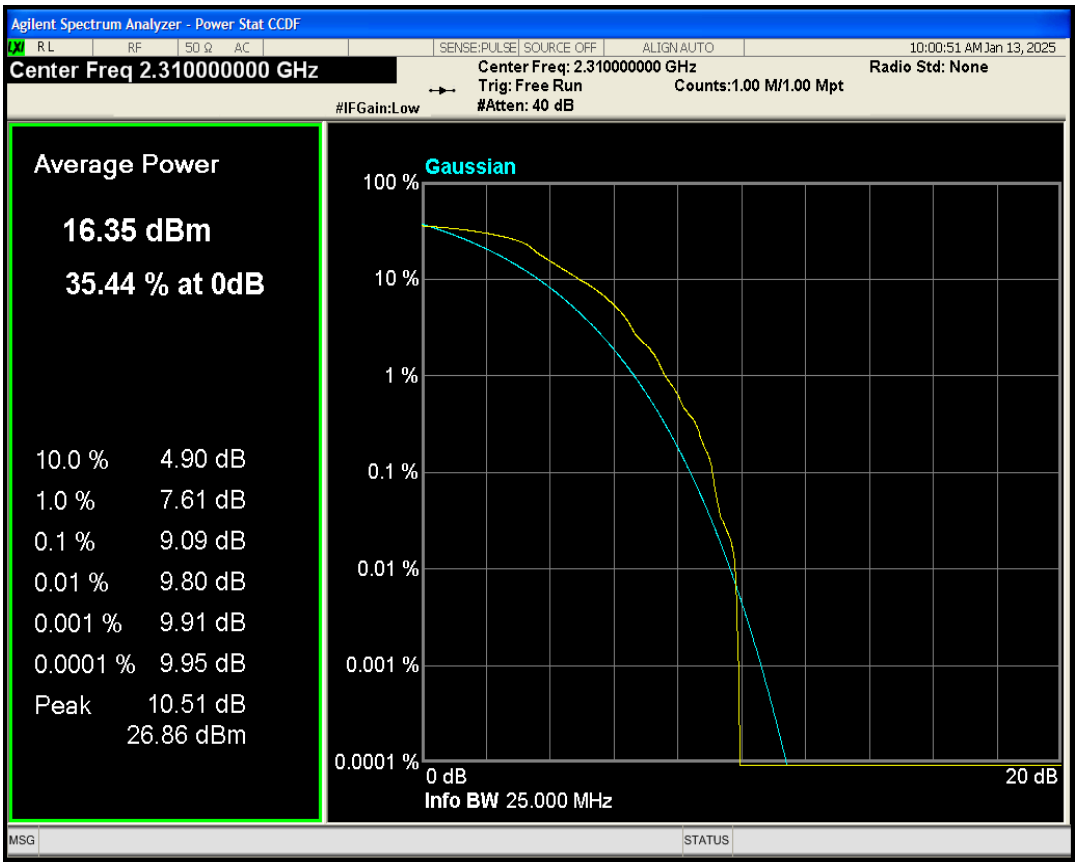

Band40a QAM16 BW=5MHz Channel=38750 RB Size=1 Position=#0



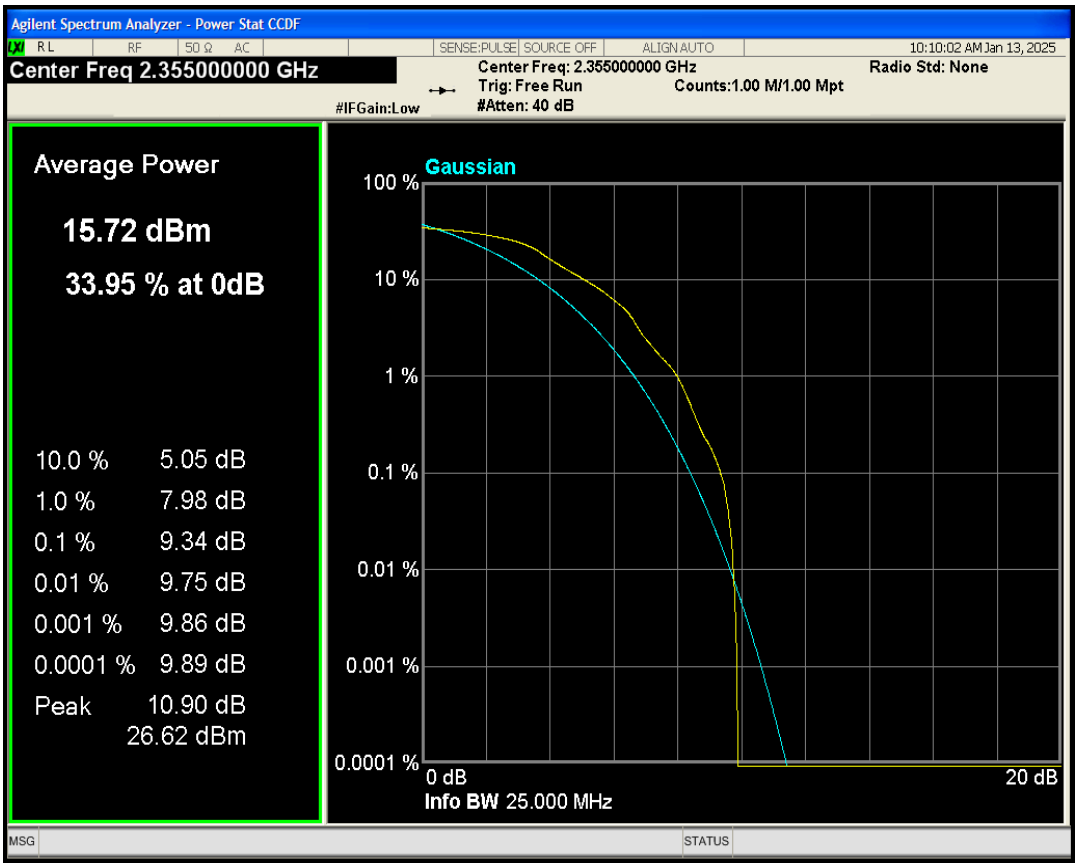

Band40a QAM16 BW=10MHz Channel=38750 RB Size=1 Position=#0



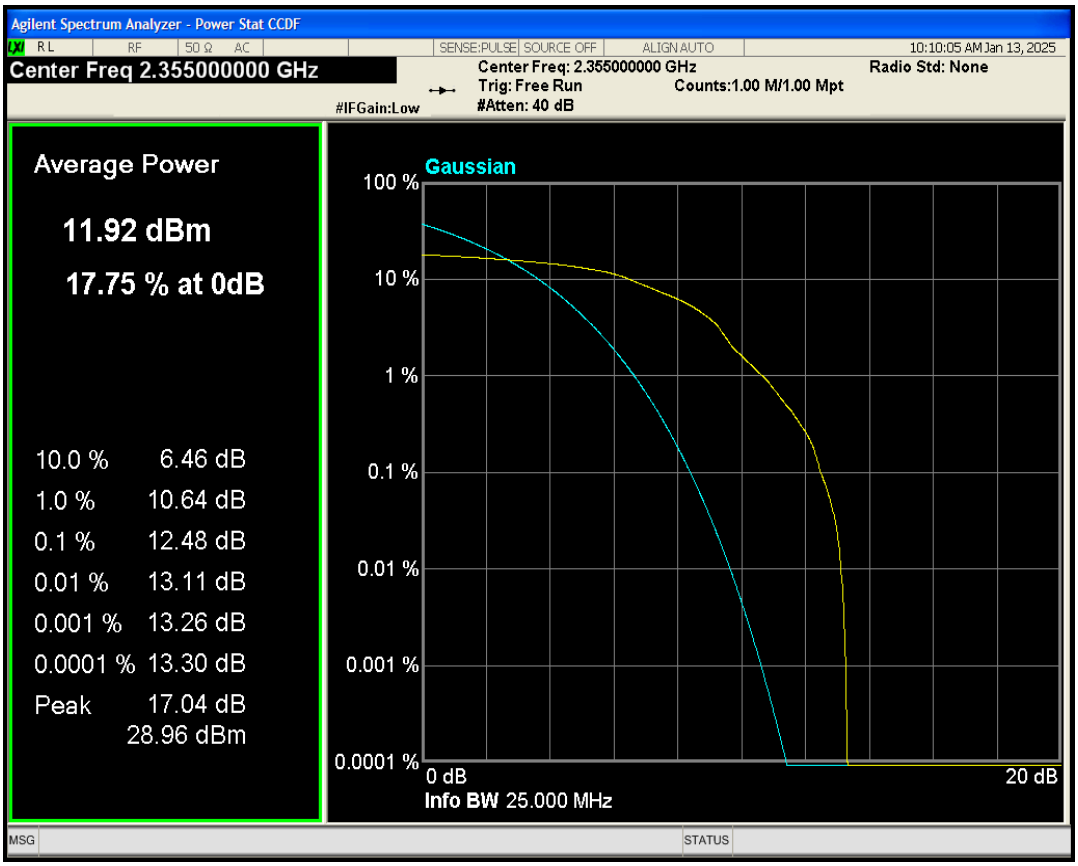

Band40a QPSK BW=10MHz Channel=38750 RB Size=1 Position=#0



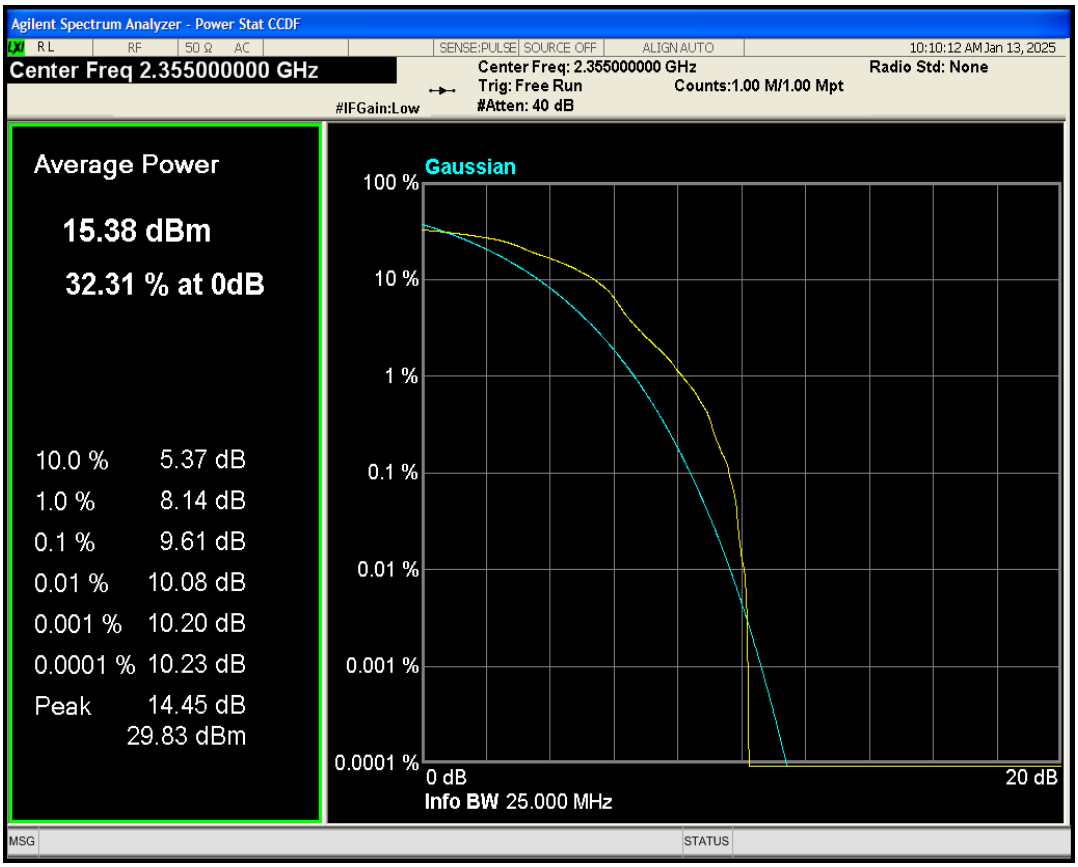

Band40b QPSK BW=5MHz Channel=39200 RB Size=1 Position=#0



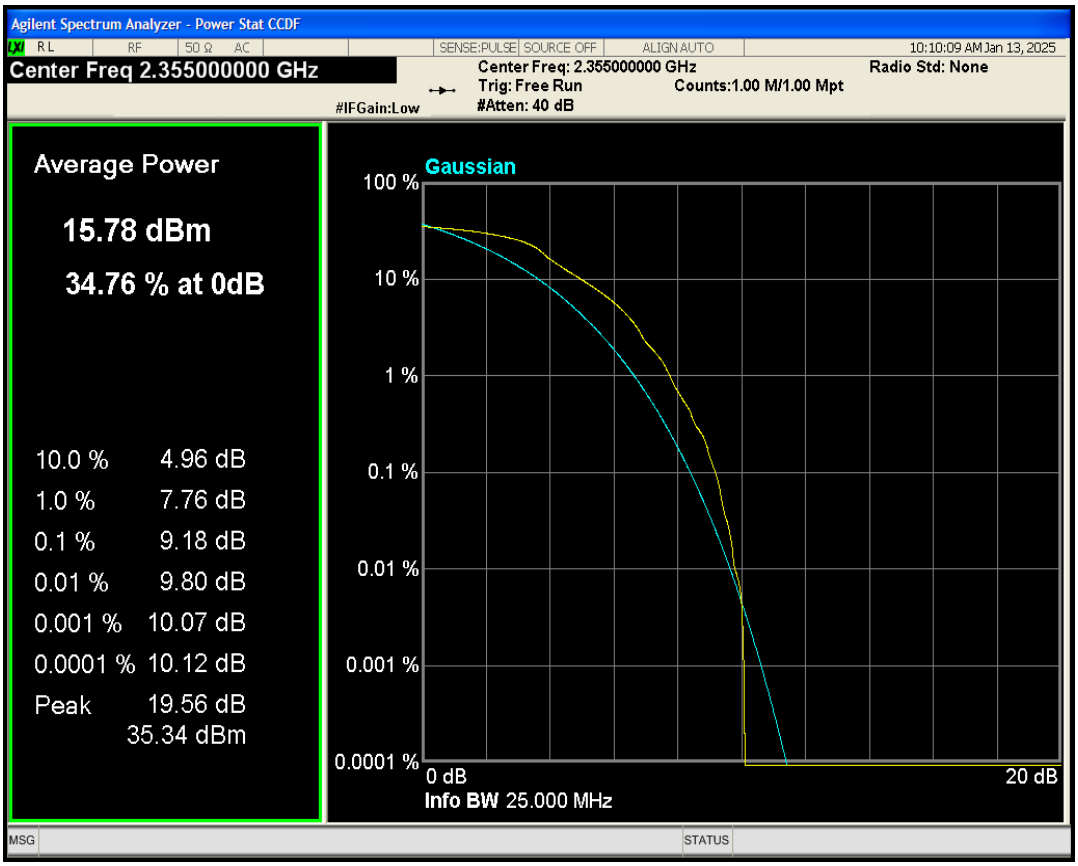

Band40b QAM16 BW=5MHz Channel=39200 RB Size=1 Position=#0



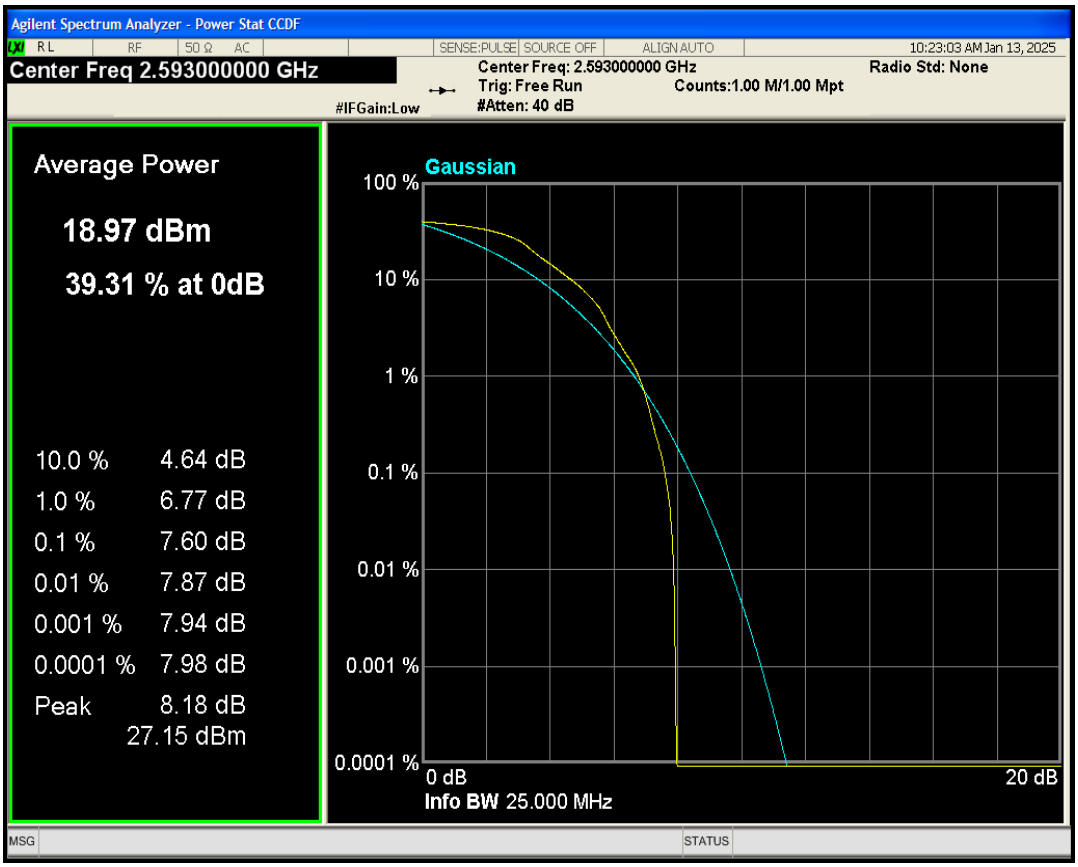

Band40b QAM16 BW=10MHz Channel=39200 RB Size=1 Position=#0



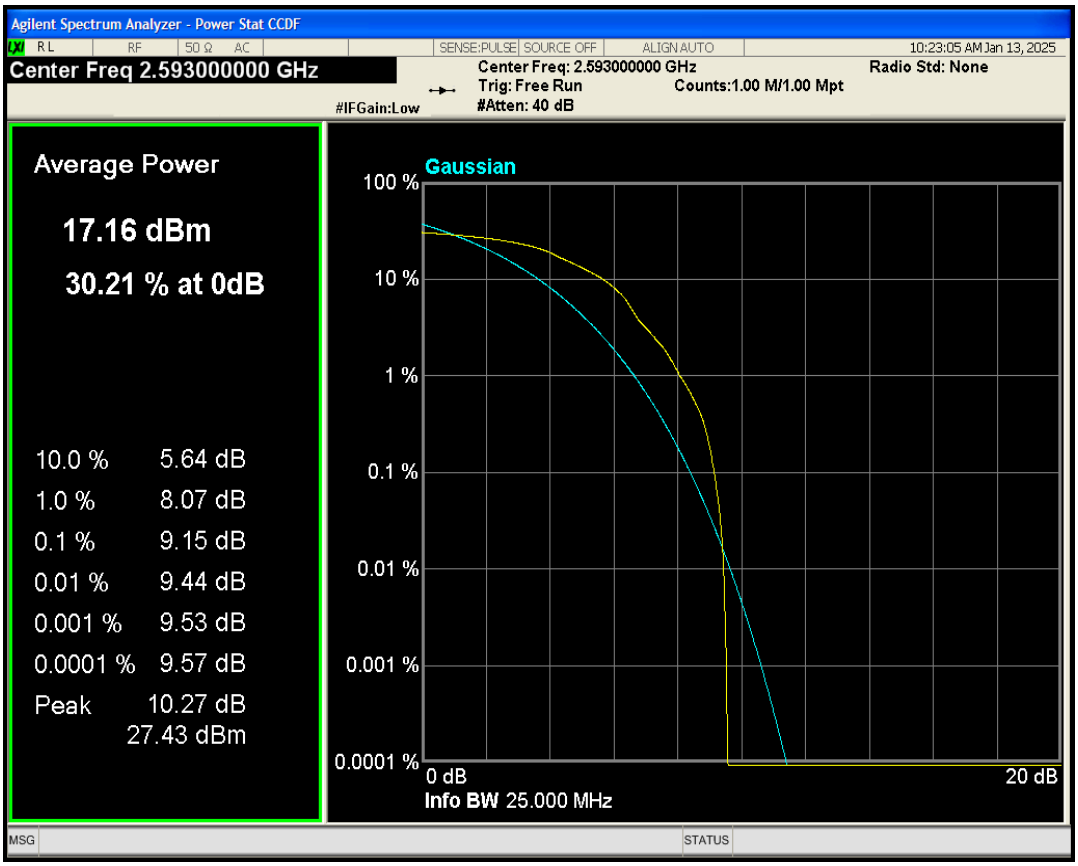

Band40b QPSK BW=10MHz Channel=39200 RB Size=1 Position=#0



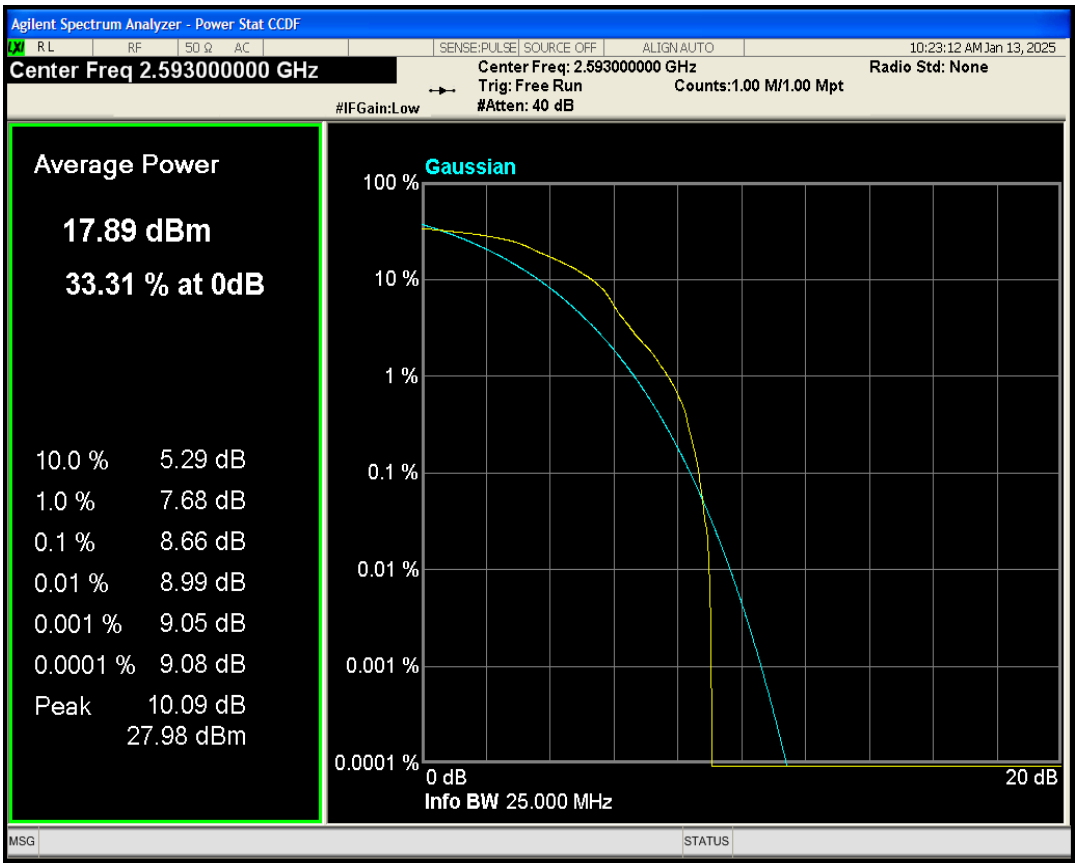

Band41 QPSK BW=5MHz Channel=40620 RB Size=1 Position=#0



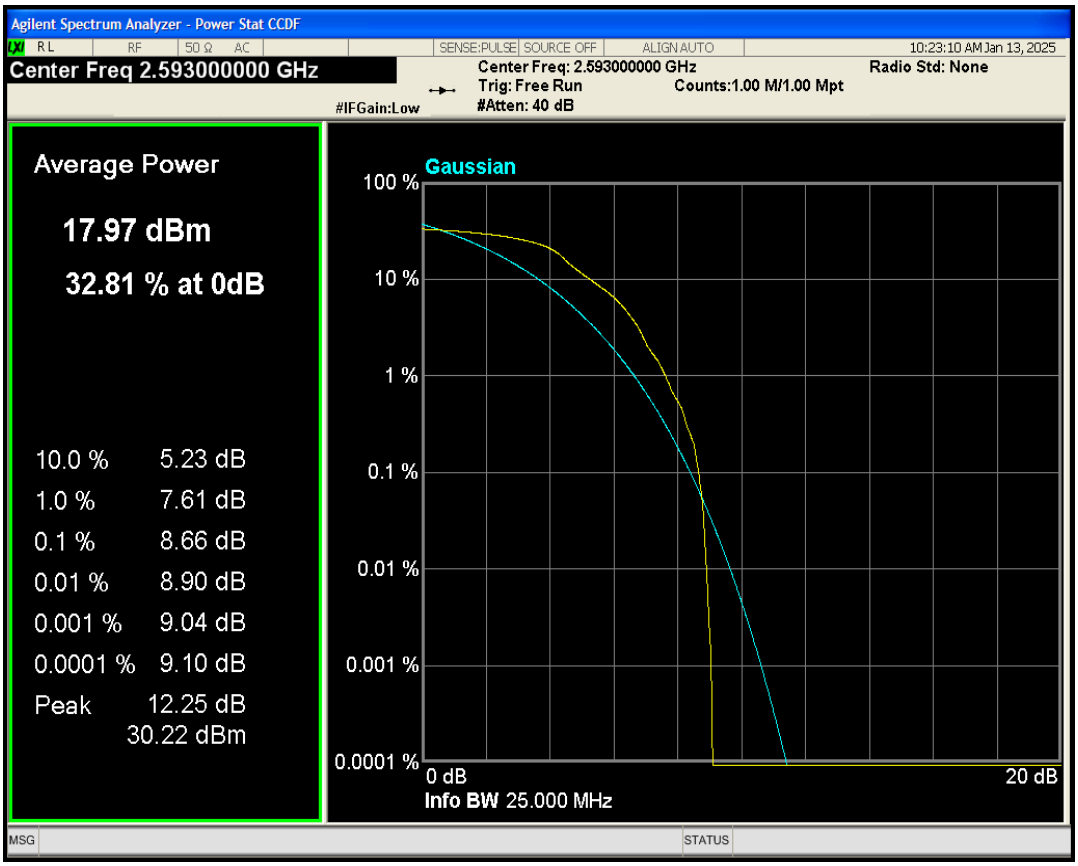

Band41 QAM16 BW=5MHz Channel=40620 RB Size=1 Position=#0



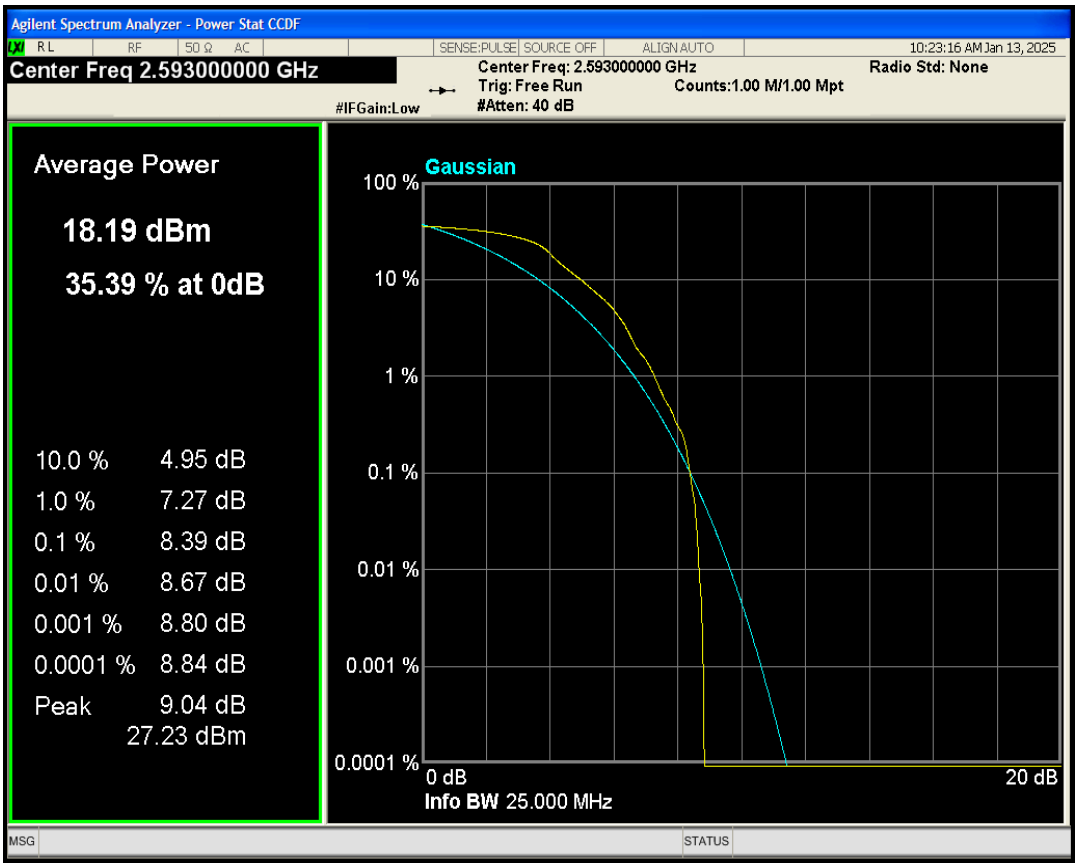

Band41 QAM16 BW=10MHz Channel=40620 RB Size=1 Position=#0



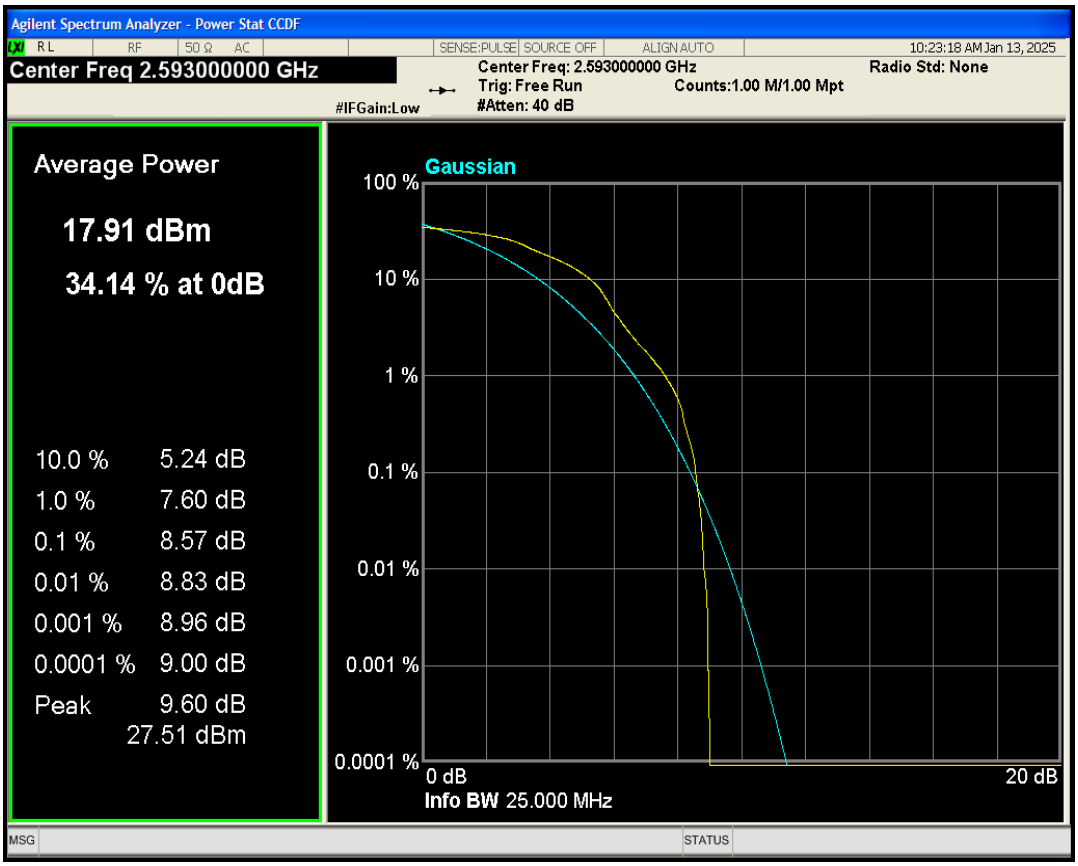

Band41 QPSK BW=10MHz Channel=40620 RB Size=1 Position=#0



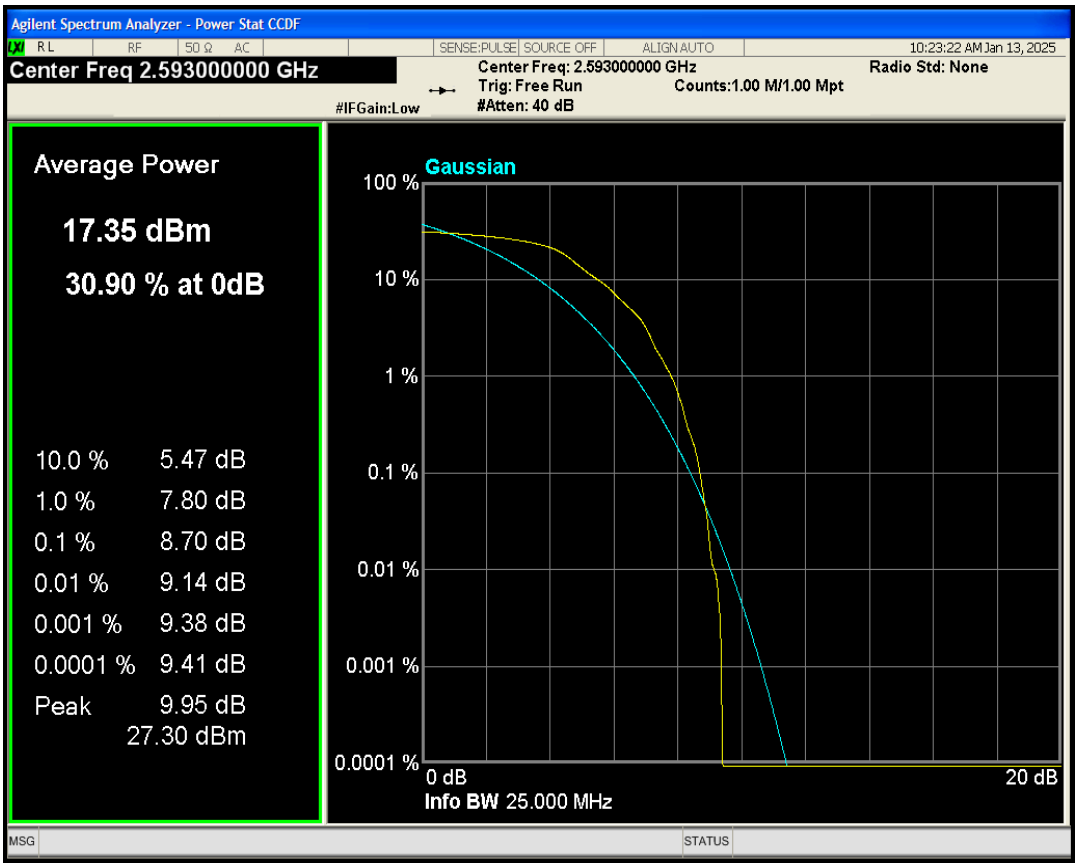

Band41 QPSK BW=15MHz Channel=40620 RB Size=1 Position=#0



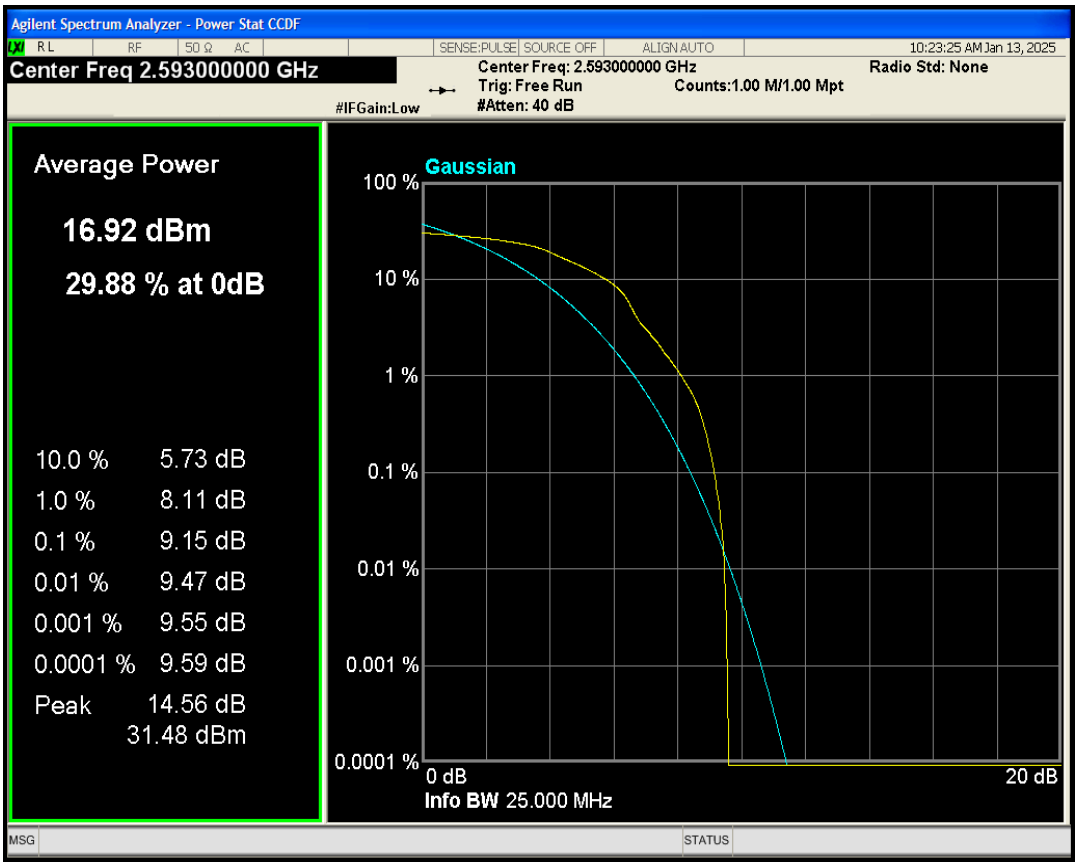

Band41 QAM16 BW=15MHz Channel=40620 RB Size=1 Position=#0




Band41 QPSK BW=20MHz Channel=40620 RB Size=1 Position=#0



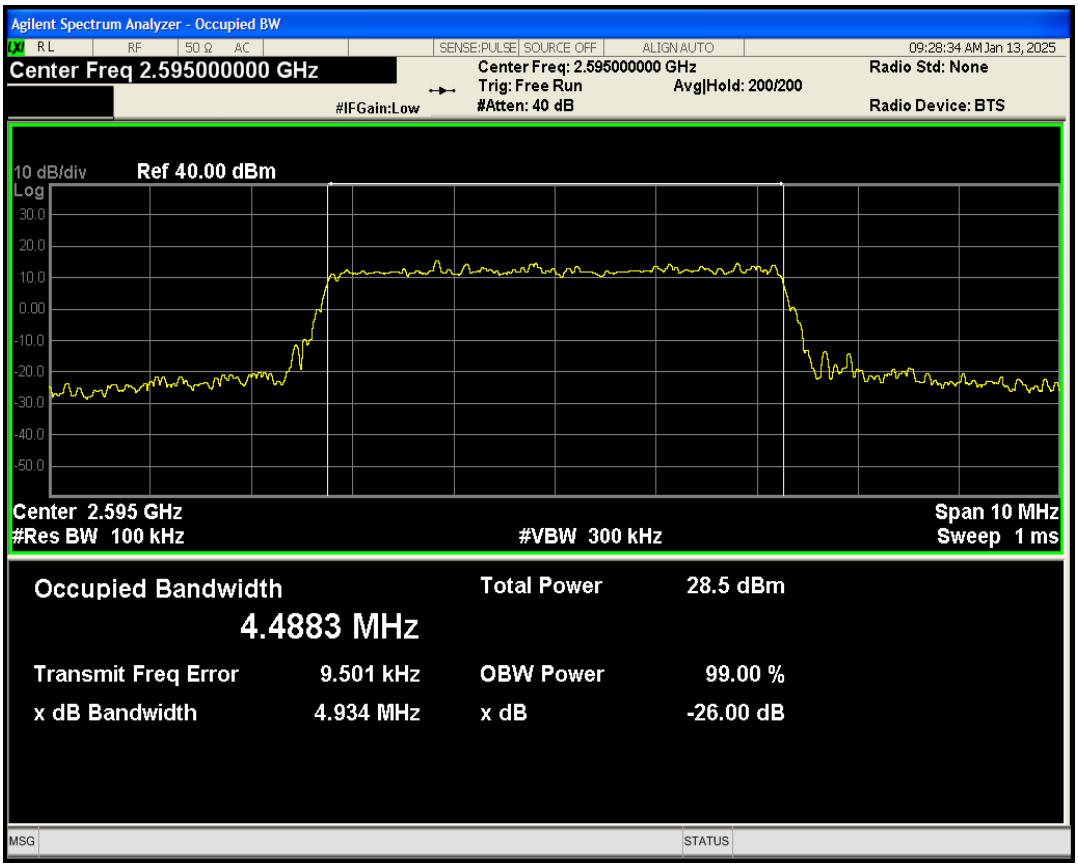

Band41 QAM16 BW=20MHz Channel=40620 RB Size=1 Position=#0



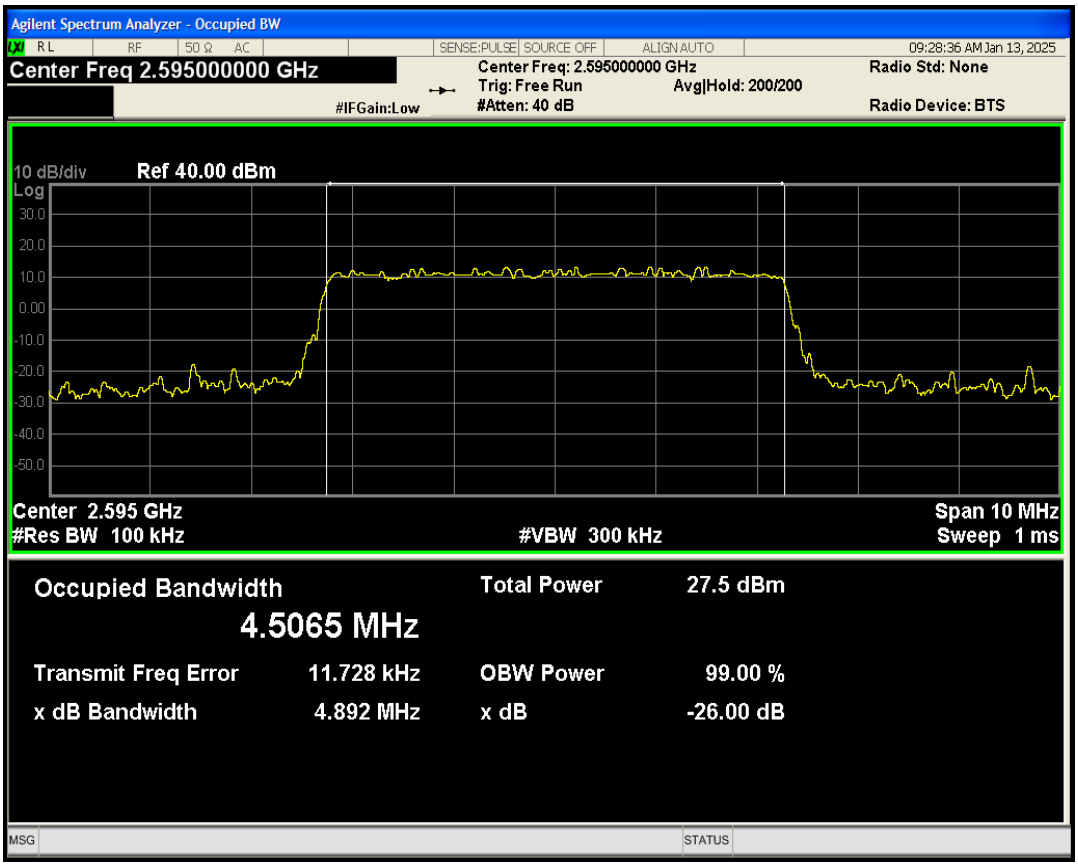

## 4 Occupied bandwidth

| Band | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|---|---|---|---|---|---|---|---|---|
| Band38 | 5 | 38000 | 25 | #0 | QPSK | 4.488 | 4.934 | PASS |
| Band38 | 5 | 38000 | 25 | #0 | QAM16 | 4.506 | 4.892 | PASS |
| Band38 | 10 | 38000 | 50 | #0 | QPSK | 8.982 | 9.735 | PASS |
| Band38 | 10 | 38000 | 50 | #0 | QAM16 | 9.000 | 9.630 | PASS |
| Band38 | 15 | 38000 | 75 | #0 | QPSK | 13.481 | 14.462 | PASS |
| Band38 | 15 | 38000 | 75 | #0 | QAM16 | 13.488 | 14.612 | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QPSK | 17.978 | 19.191 | PASS |
| Band38 | 20 | 38000 | 100 | #0 | QAM16 | 17.931 | 19.195 | PASS |
| Band4 | 1.4 | 20175 | 6 | #0 | QPSK | 1.100 | 1.293 | PASS |
| Band4 | 1.4 | 20175 | 6 | #0 | QAM16 | 1.098 | 1.288 | PASS |
| Band4 | 3 | 20175 | 15 | #0 | QPSK | 2.690 | 2.911 | PASS |
| Band4 | 3 | 20175 | 15 | #0 | QAM16 | 2.681 | 2.916 | PASS |
| Band4 | 5 | 20175 | 25 | #0 | QPSK | 4.524 | 4.891 | PASS |
| Band4 | 5 | 20175 | 25 | #0 | QAM16 | 4.503 | 4.904 | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QPSK | 9.002 | 9.689 | PASS |
| Band4 | 10 | 20175 | 50 | #0 | QAM16 | 8.976 | 9.659 | PASS |
| Band4 | 15 | 20175 | 75 | #0 | QPSK | 13.460 | 14.663 | PASS |
| Band4 | 15 | 20175 | 75 | #0 | QAM16 | 13.450 | 14.400 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QPSK | 17.976 | 19.164 | PASS |
| Band4 | 20 | 20175 | 100 | #0 | QAM16 | 18.015 | 19.255 | PASS |
| Band40a | 5 | 38750 | 25 | #0 | QPSK | 4.537 | 4.996 | PASS |
| Band40a | 5 | 38750 | 25 | #0 | QAM16 | 4.518 | 5.082 | PASS |
| Band40a | 10 | 38750 | 50 | #0 | QPSK | 8.996 | 9.823 | PASS |
| Band40a | 10 | 38750 | 50 | #0 | QAM16 | 8.998 | 9.997 | PASS |
| Band40b | 5 | 39200 | 25 | #0 | QPSK | 4.527 | 5.121 | PASS |
| Band40b | 5 | 39200 | 25 | #0 | QAM16 | 4.518 | 5.019 | PASS |
| Band40b | 10 | 39200 | 50 | #0 | QPSK | 8.994 | 10.500 | PASS |
| Band40b | 10 | 39200 | 50 | #0 | QAM16 | 9.007 | 9.890 | PASS |
| Band41 | 5 | 40620 | 25 | #0 | QPSK | 4.510 | 4.908 | PASS |
| Band41 | 5 | 40620 | 25 | #0 | QAM16 | 4.506 | 5.156 | PASS |
| Band41 | 10 | 40620 | 50 | #0 | QPSK | 9.008 | 9.649 | PASS |
| Band41 | 10 | 40620 | 50 | #0 | QAM16 | 8.998 | 9.923 | PASS |
| Band41 | 15 | 40620 | 75 | #0 | QPSK | 13.472 | 14.696 | PASS |
| Band41 | 15 | 40620 | 75 | #0 | QAM16 | 13.446 | 14.343 | PASS |
| Band41 | 20 | 40620 | 100 | #0 | QPSK | 17.896 | 19.170 | PASS |
| Band41 | 20 | 40620 | 100 | #0 | QAM16 | 17.926 | 19.281 | PASS |

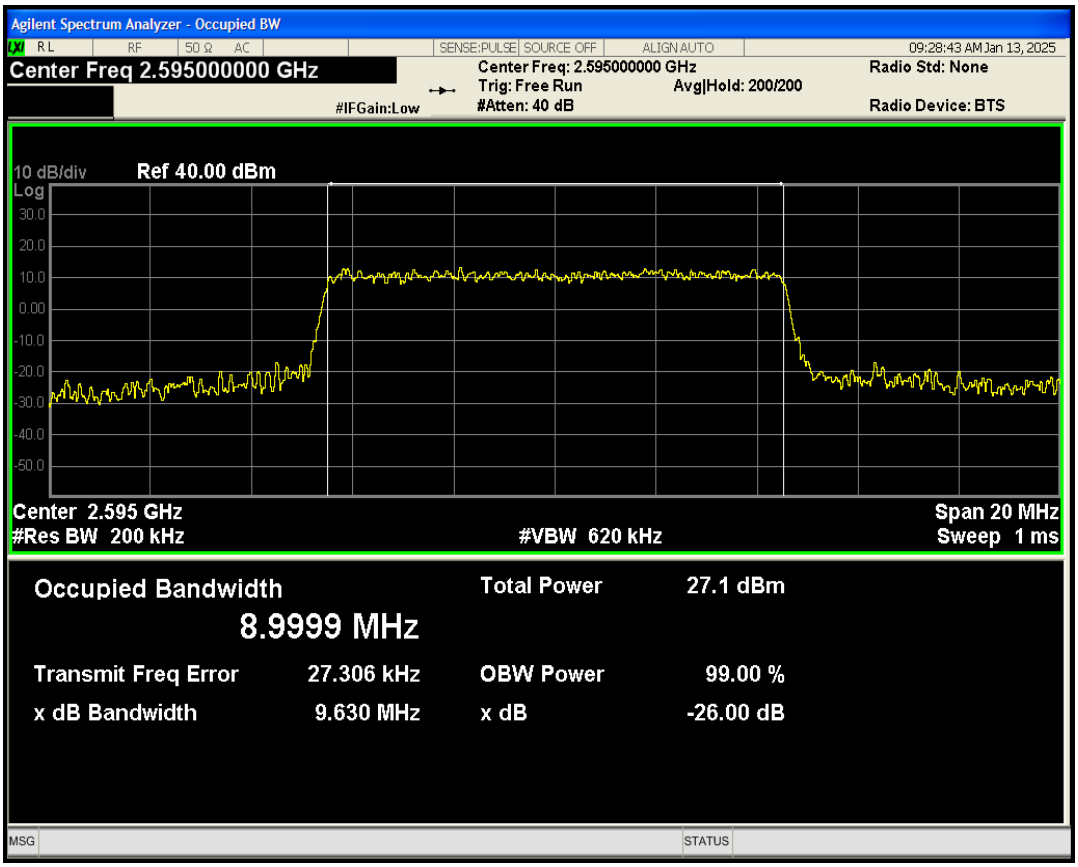
Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0



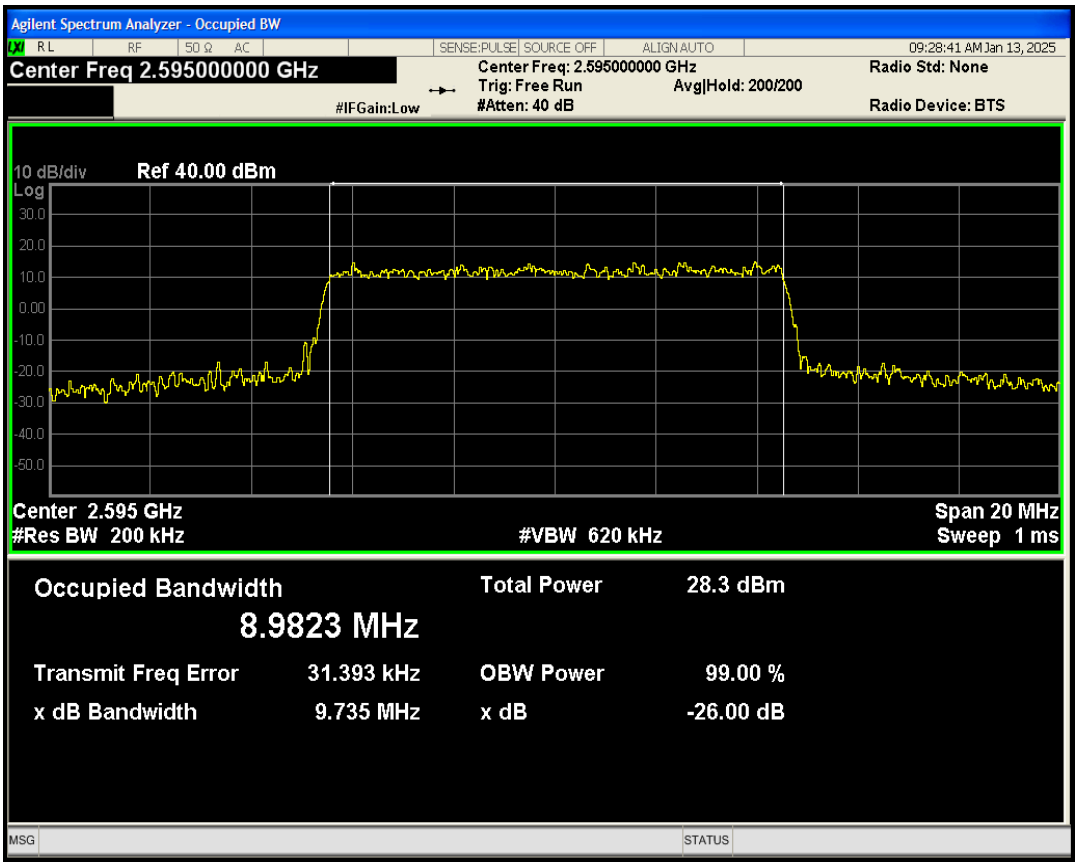

Band38 QAM16 BW=5MHz Channel=38000 RB Size=25 Position=#0



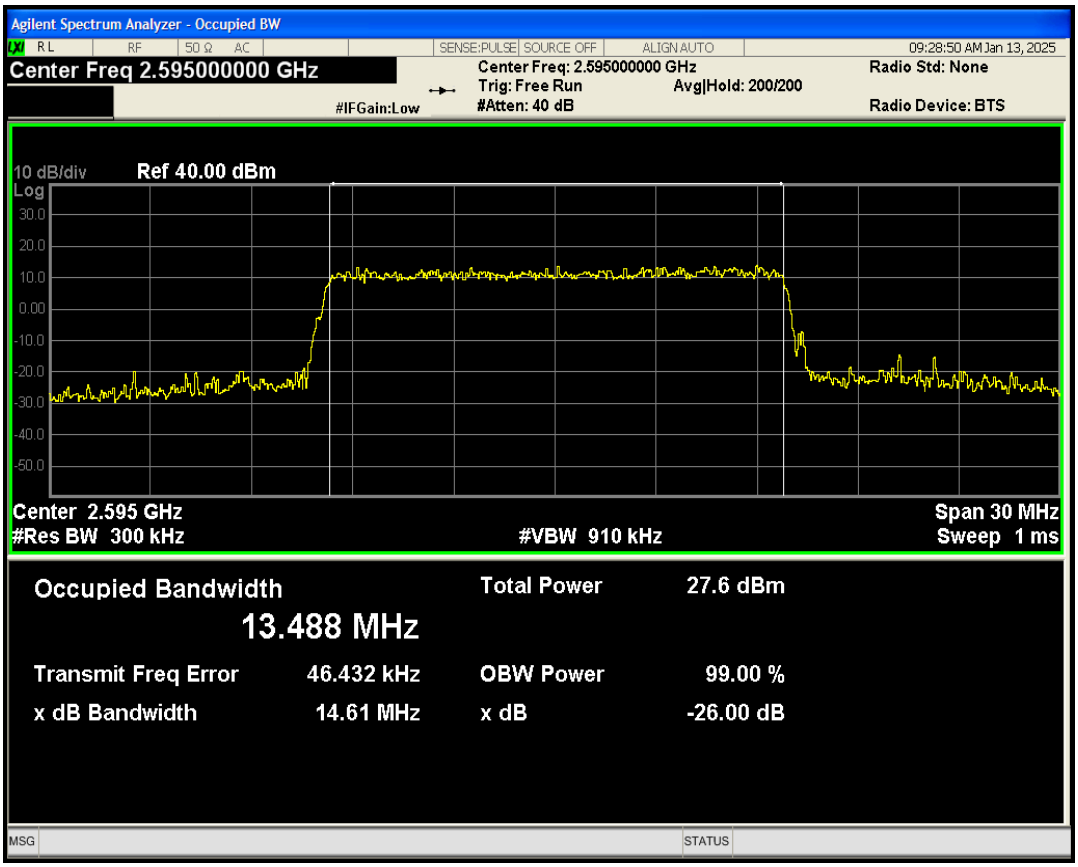

Band38 QAM16 BW=10MHz Channel=38000 RB Size=50 Position=#0



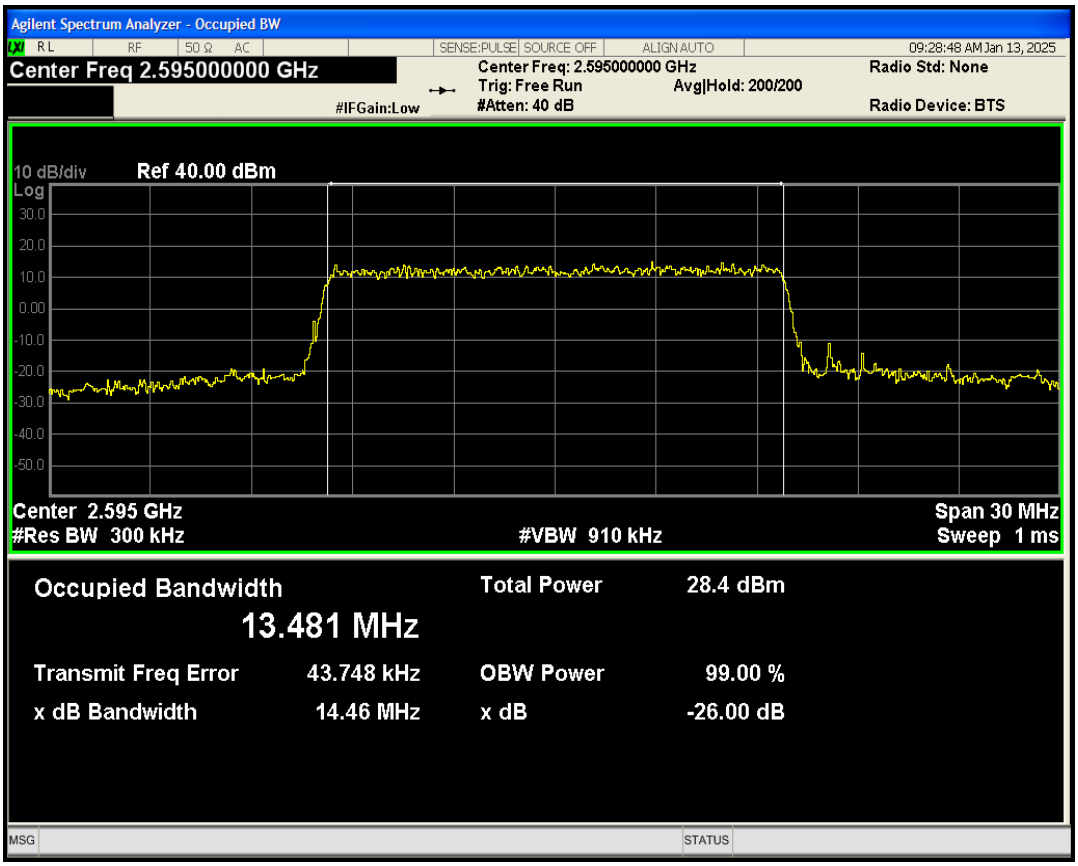

Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0



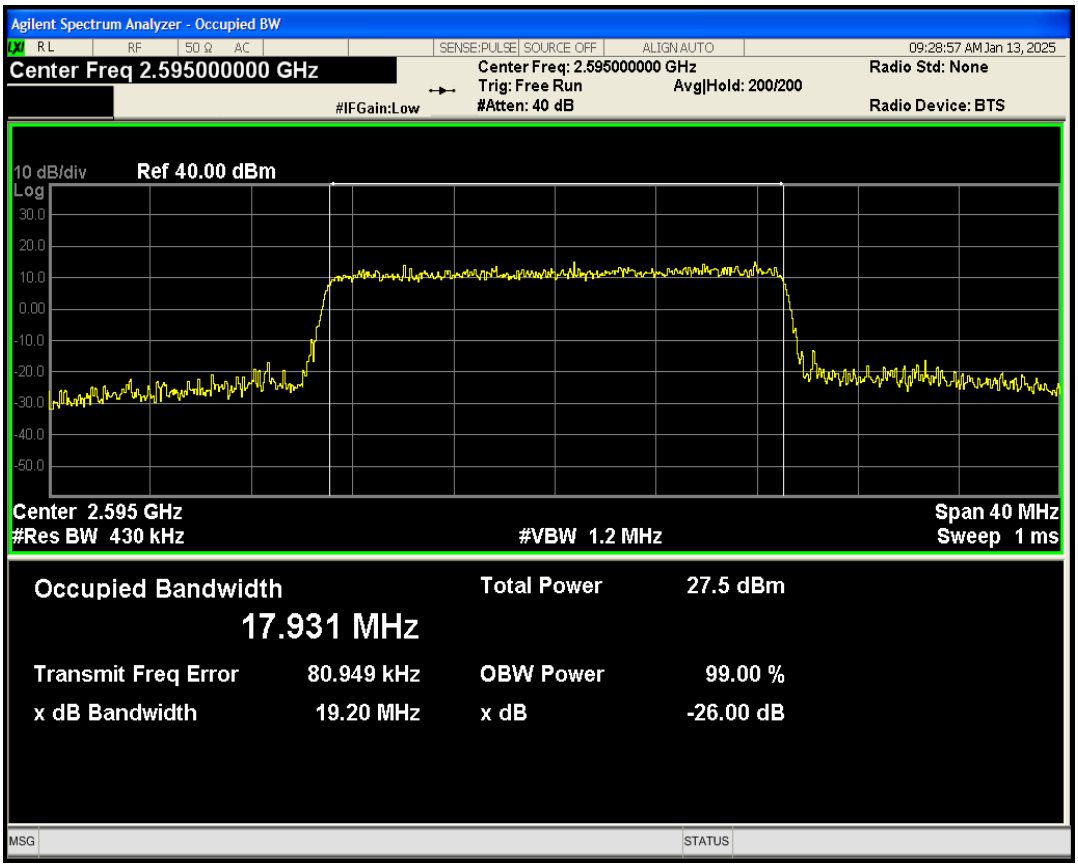

Band38 QAM16 BW=15MHz Channel=38000 RB Size=75 Position=#0



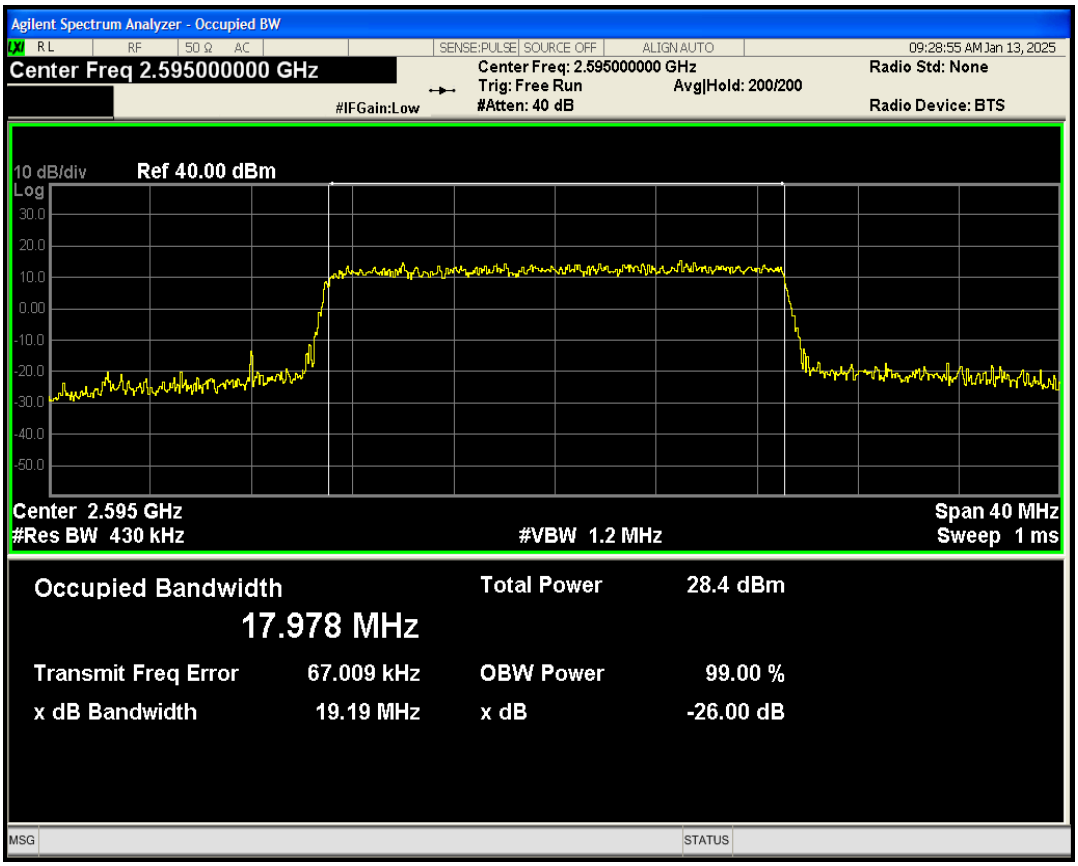

Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0



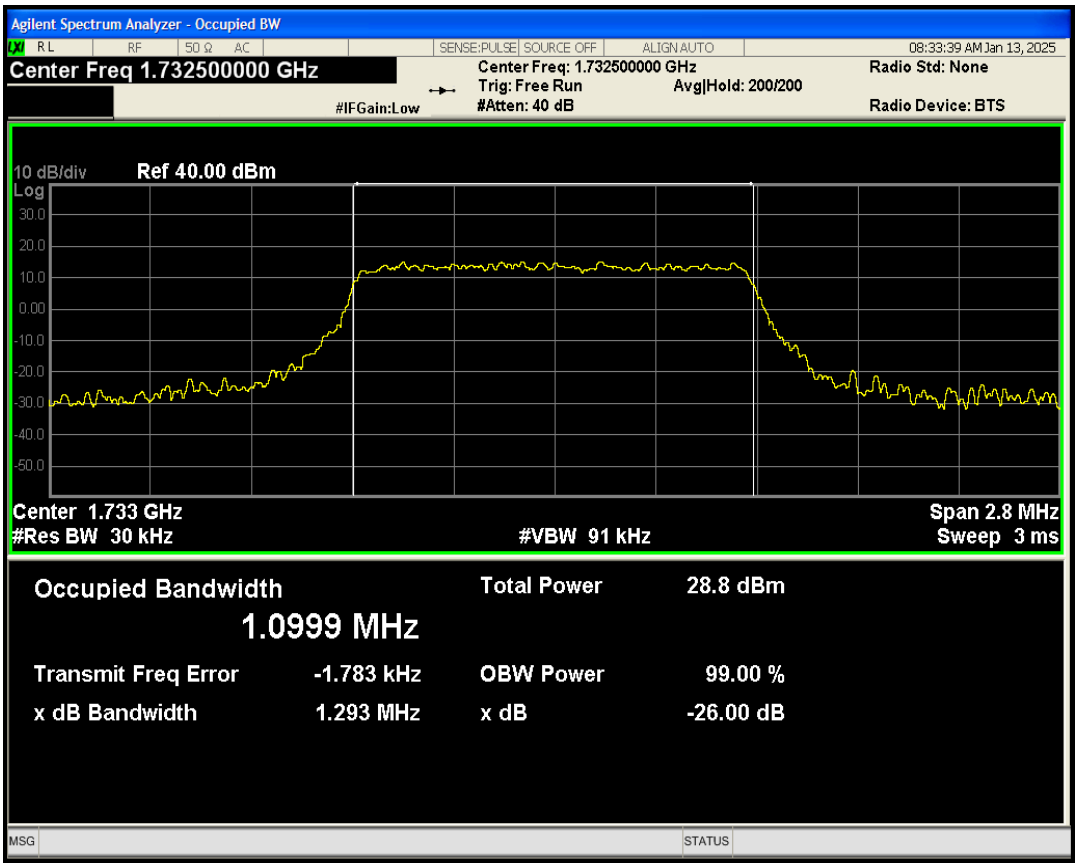

Band38 QAM16 BW=20MHz Channel=38000 RB Size=100 Position=#0



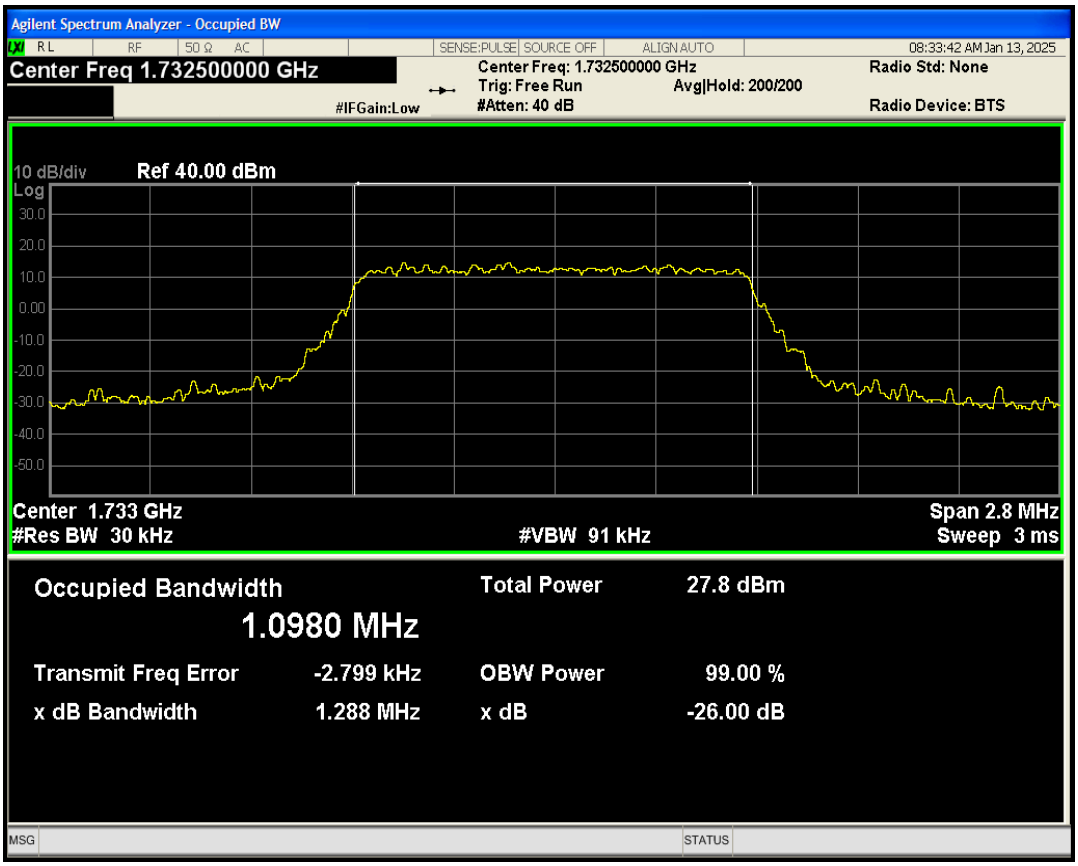

Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0



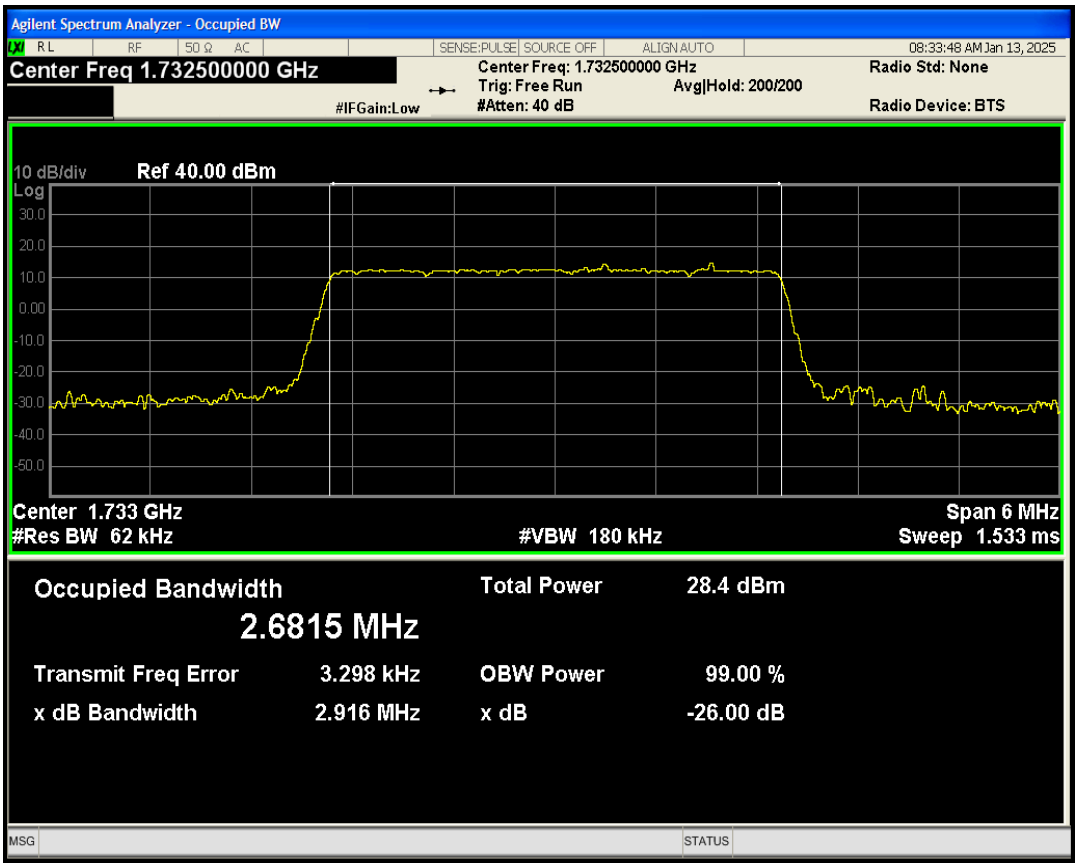

Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



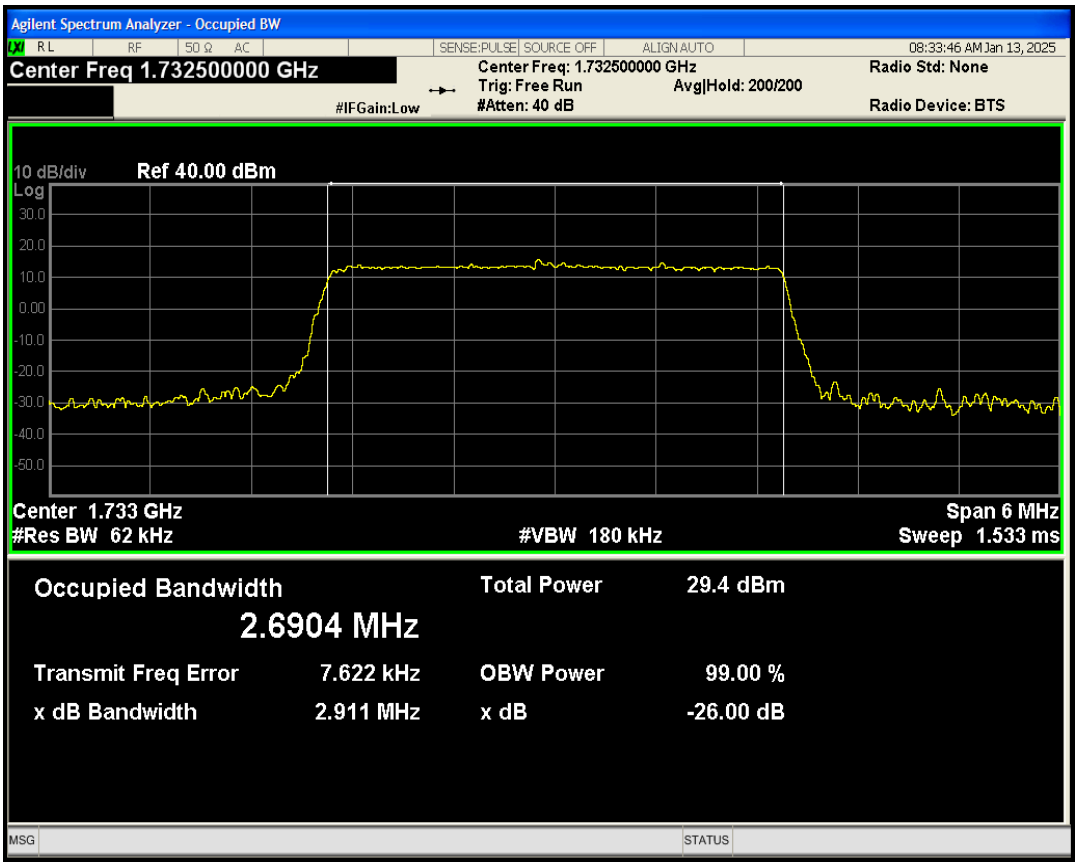

Band4 QAM16 BW=1.4MHz Channel=20175 RB Size=6 Position=#0



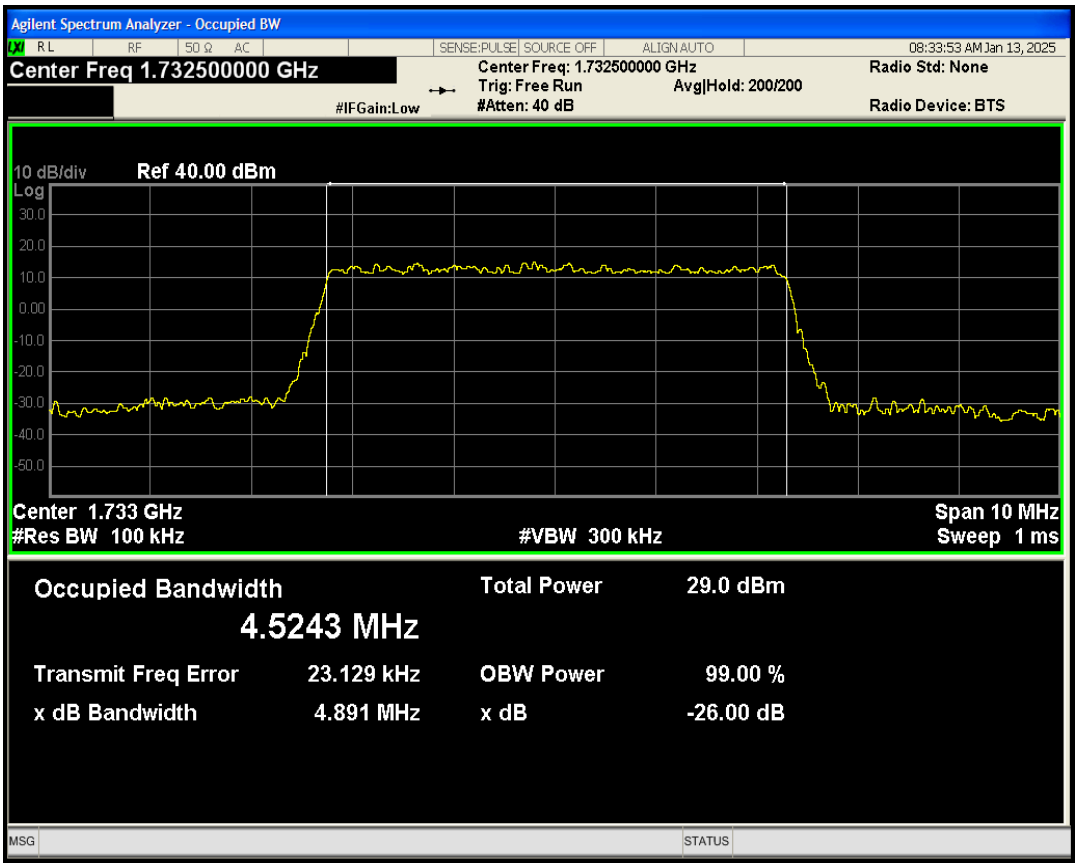

Band4 QAM16 BW=3MHz Channel=20175 RB Size=15 Position=#0



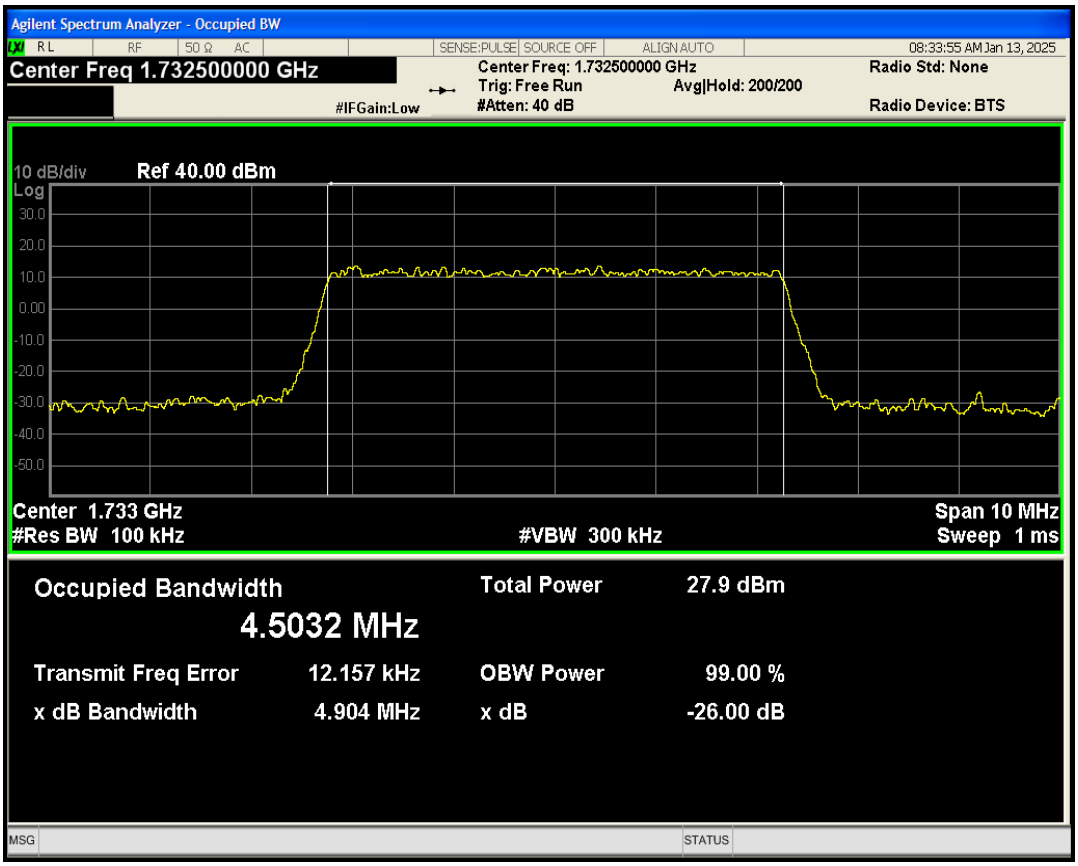

Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



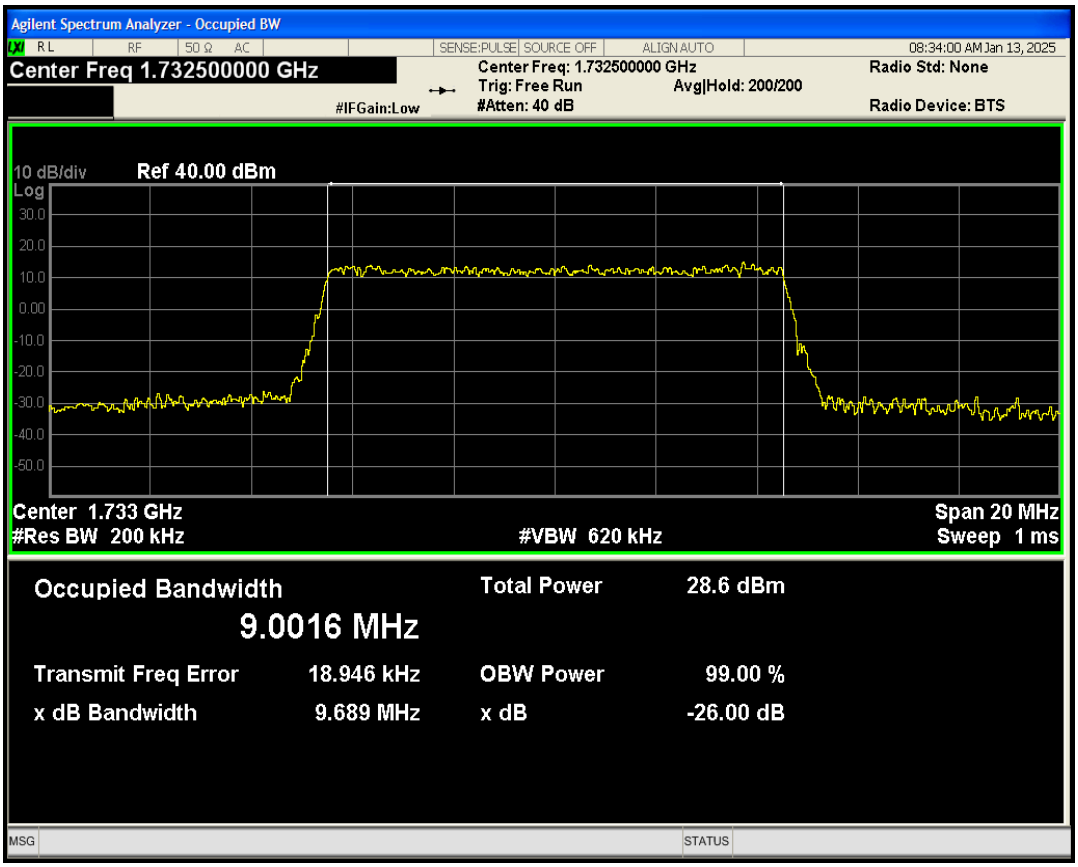

Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



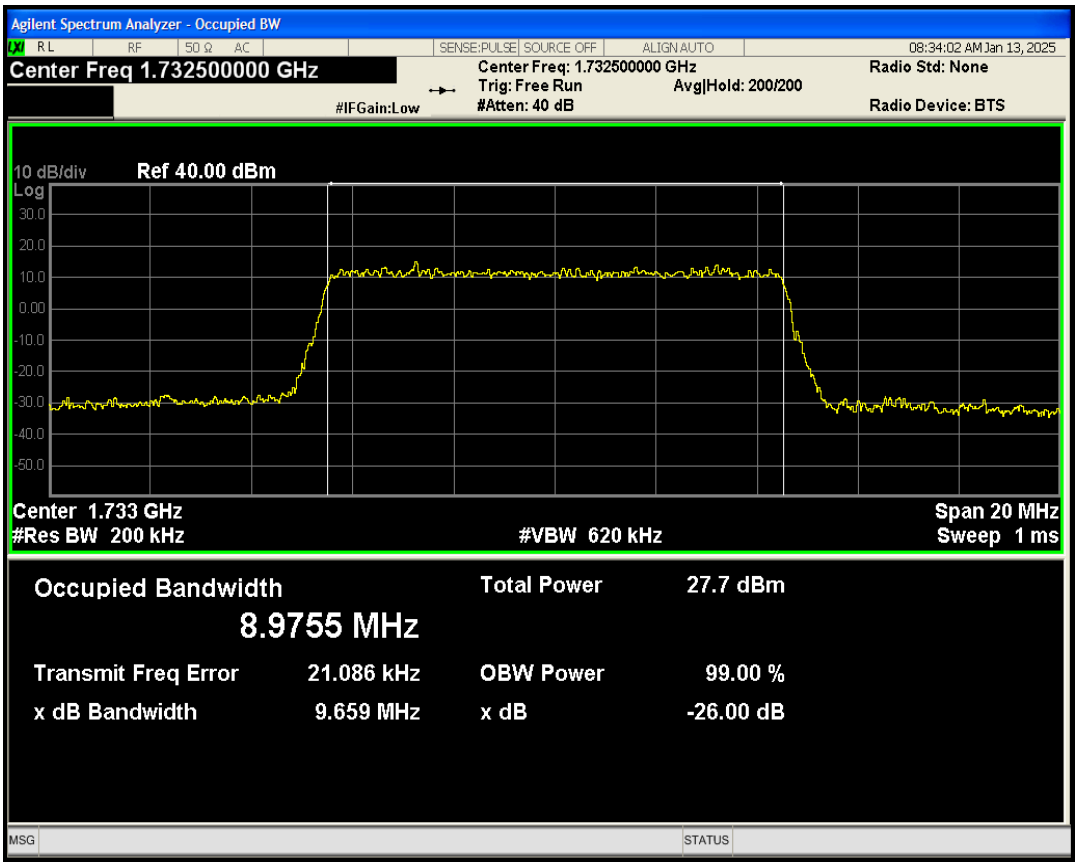

Band4 QAM16 BW=5MHz Channel=20175 RB Size=25 Position=#0



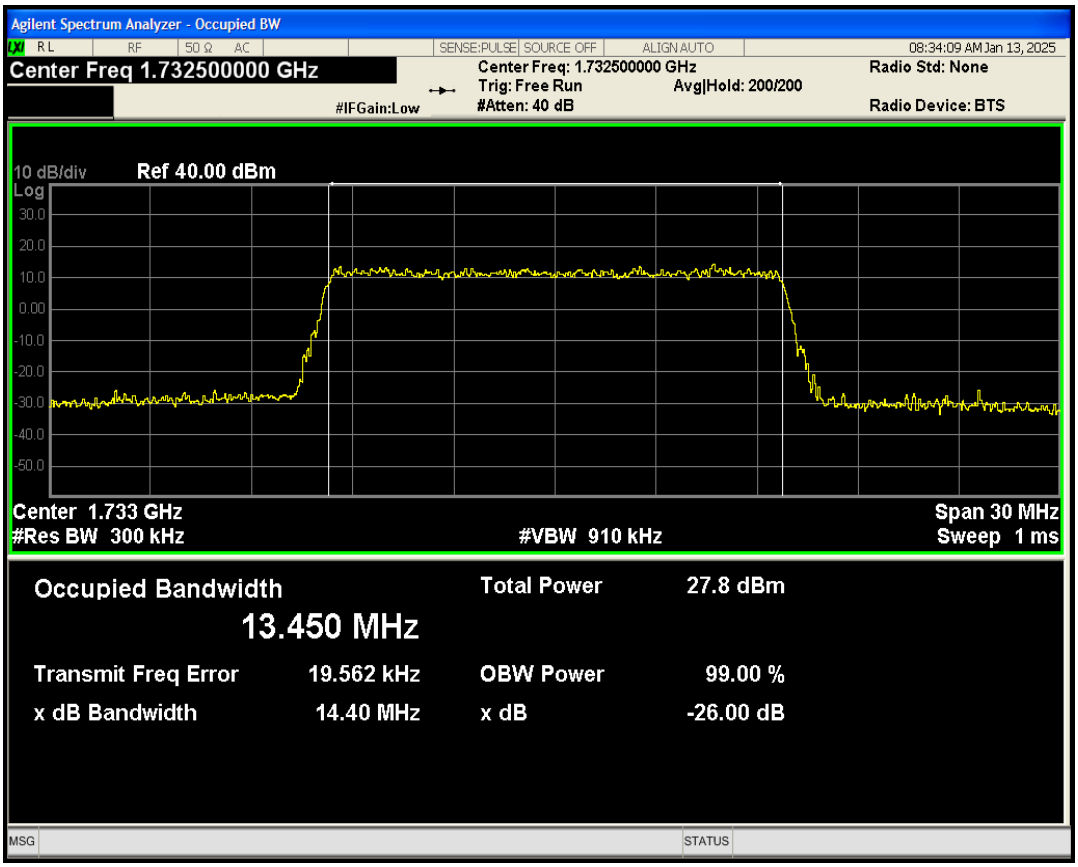

Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



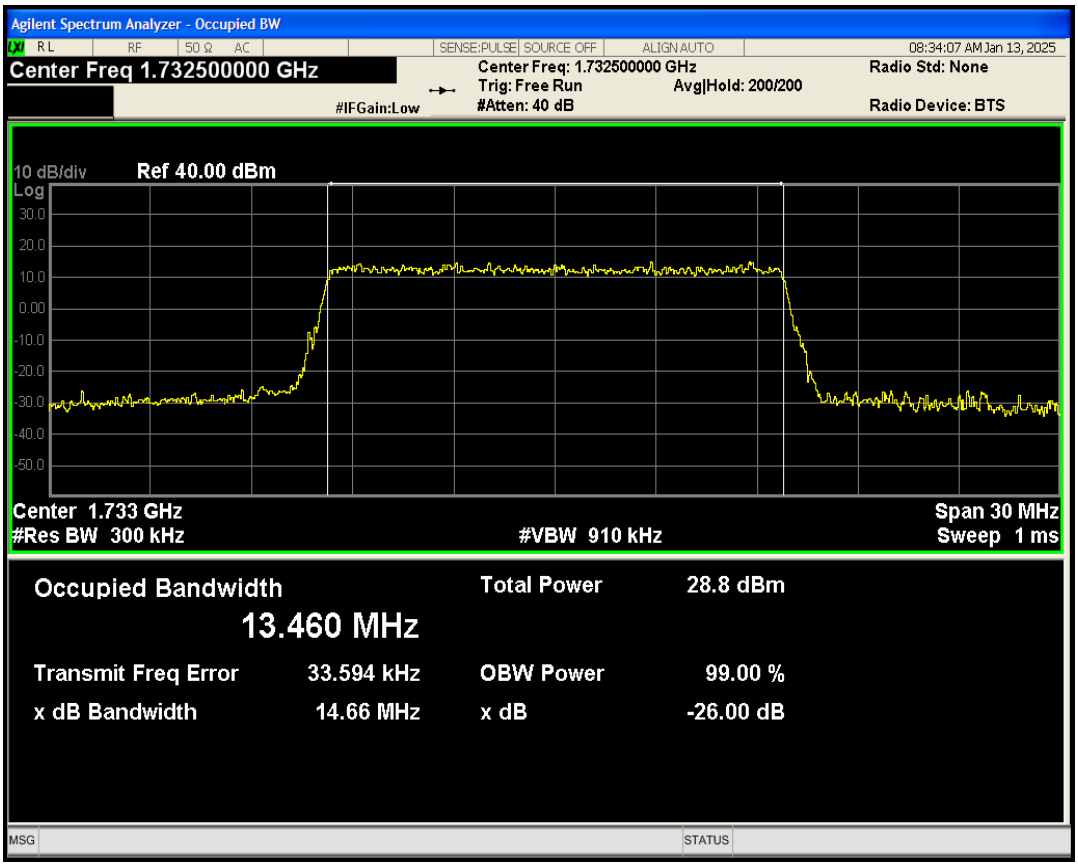

Band4 QAM16 BW=10MHz Channel=20175 RB Size=50 Position=#0



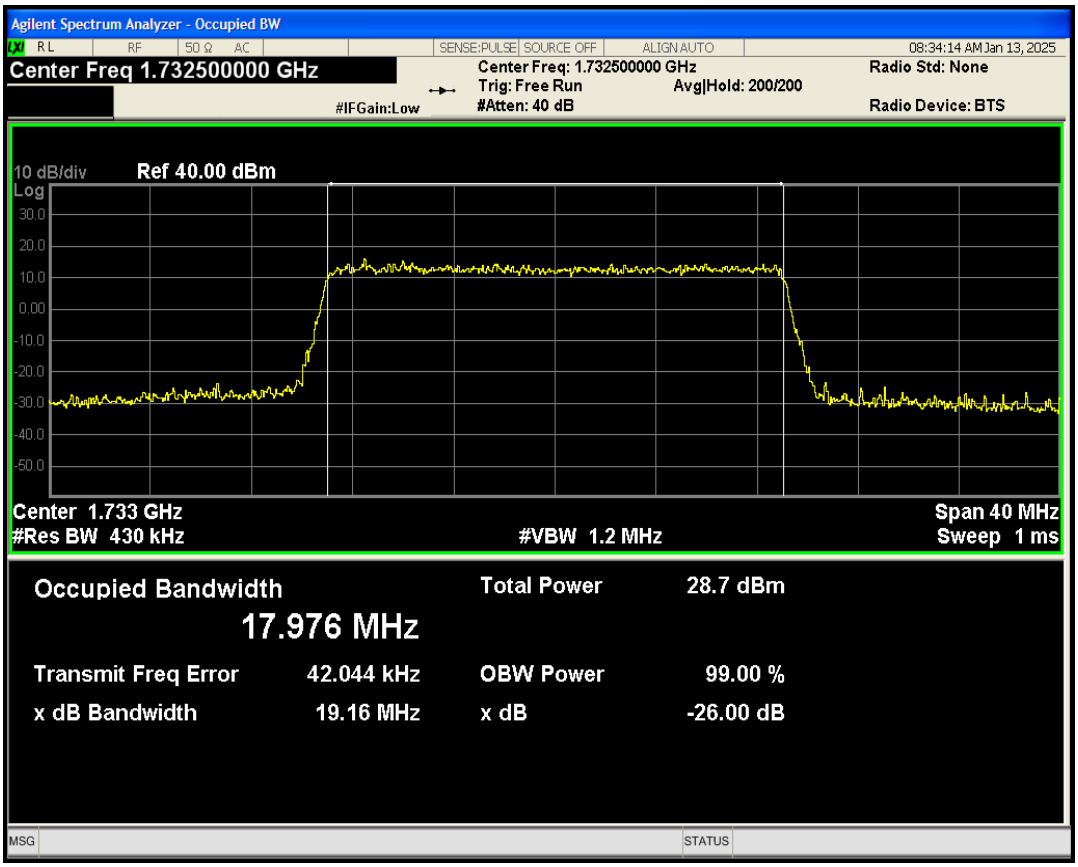

Band4 QAM16 BW=15MHz Channel=20175 RB Size=75 Position=#0



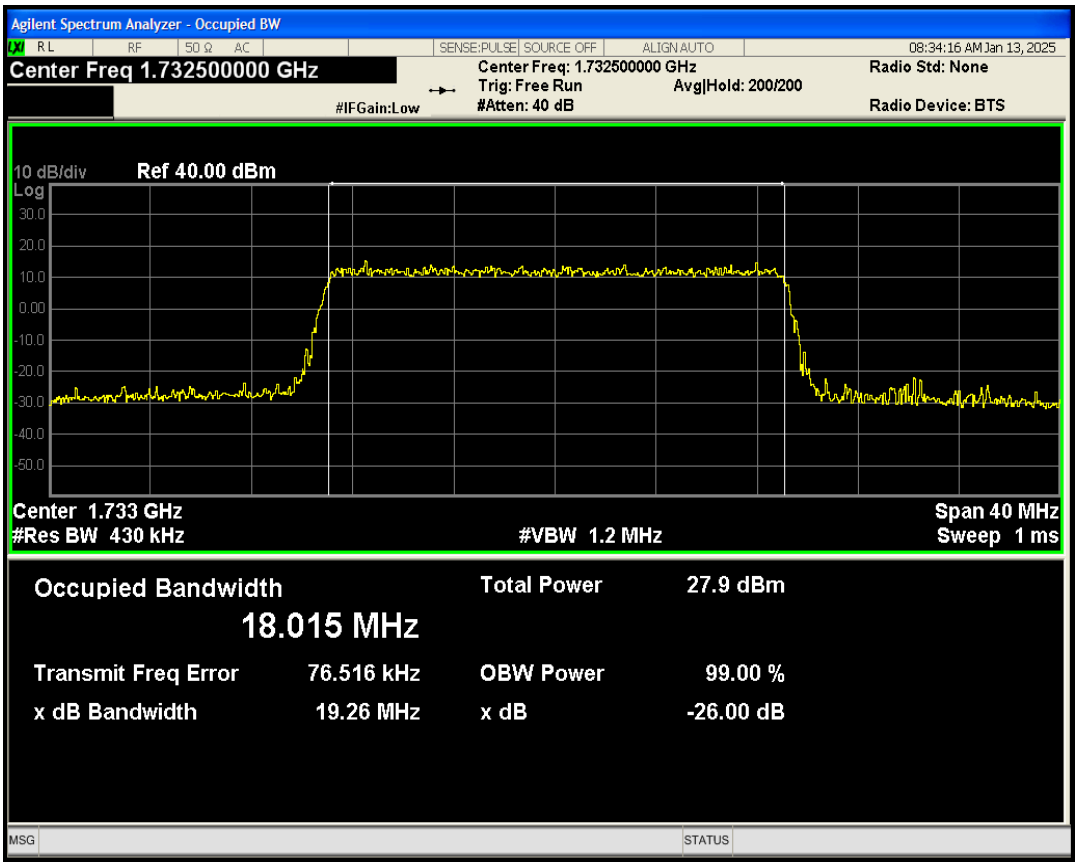

Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



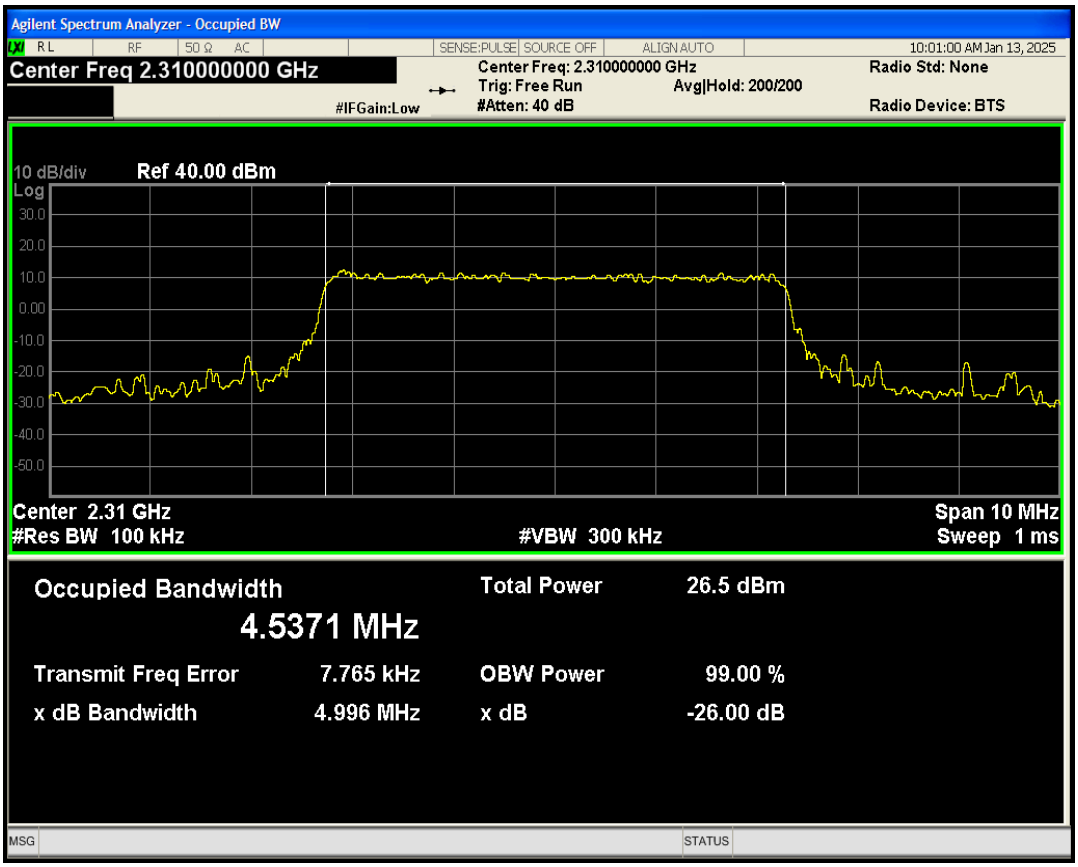

Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



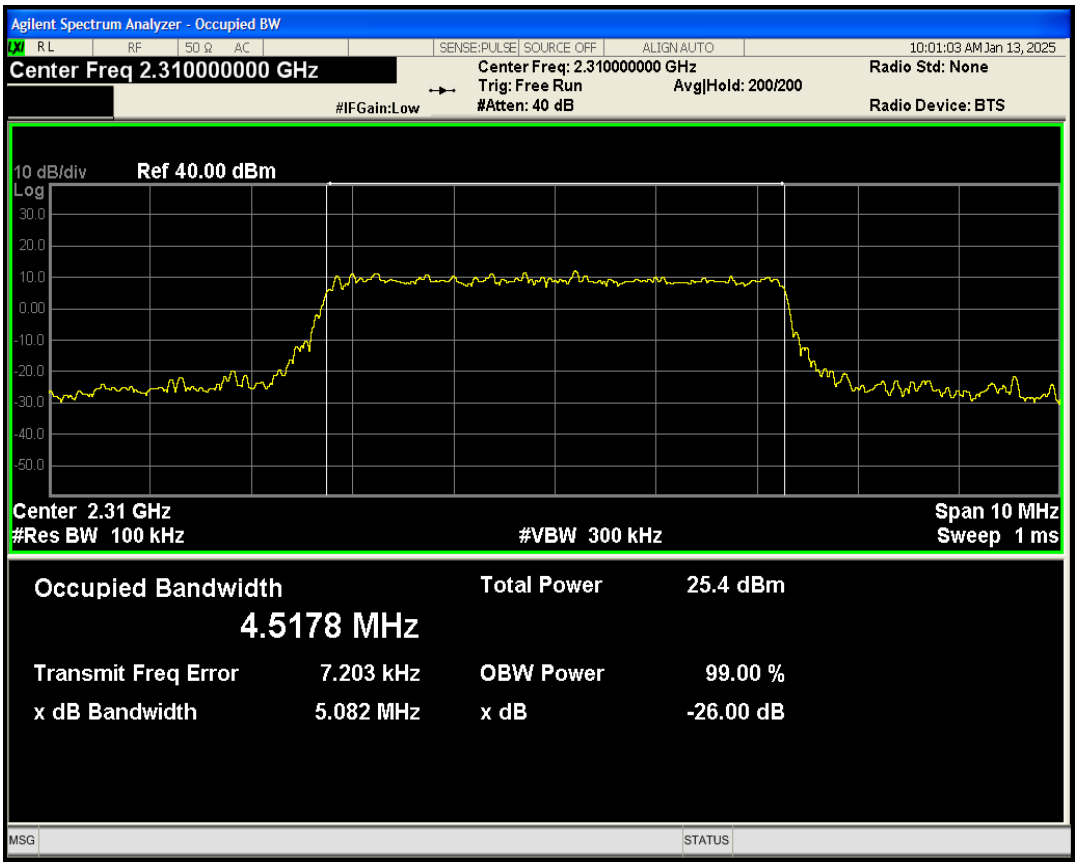

Band4 QAM16 BW=20MHz Channel=20175 RB Size=100 Position=#0



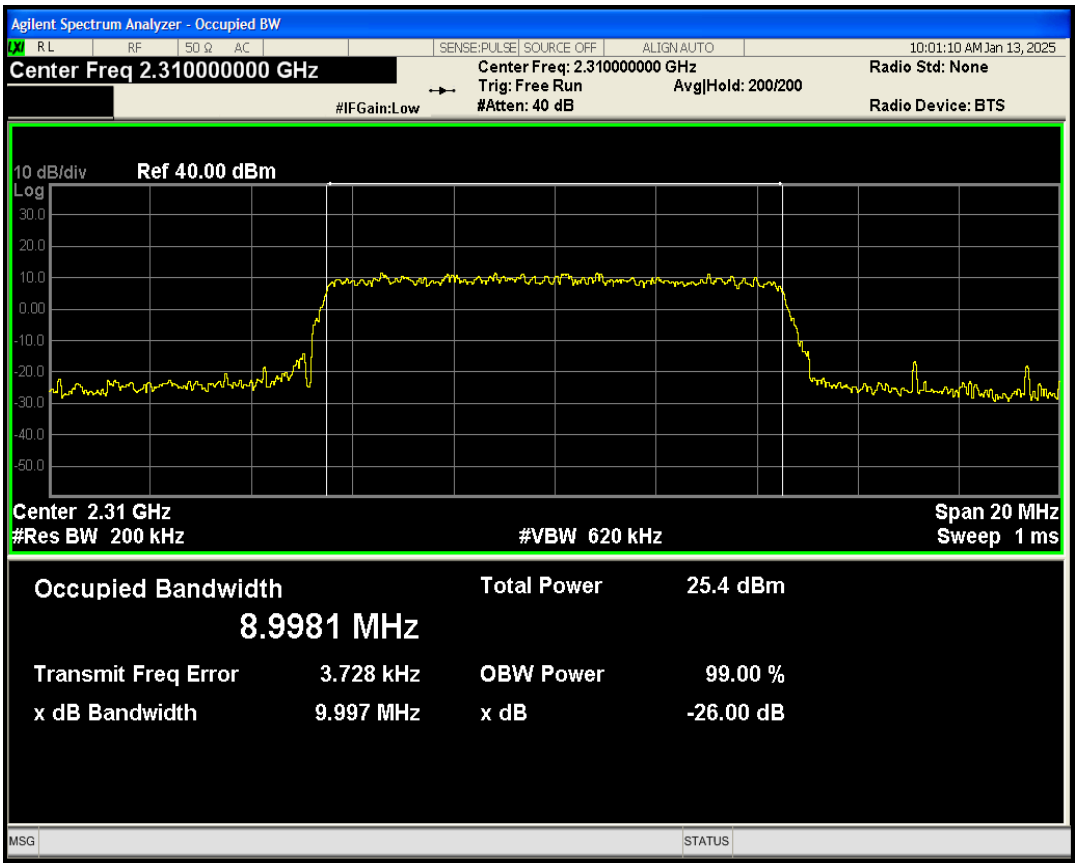

Band40a QPSK BW=5MHz Channel=38750 RB Size=25 Position=#0



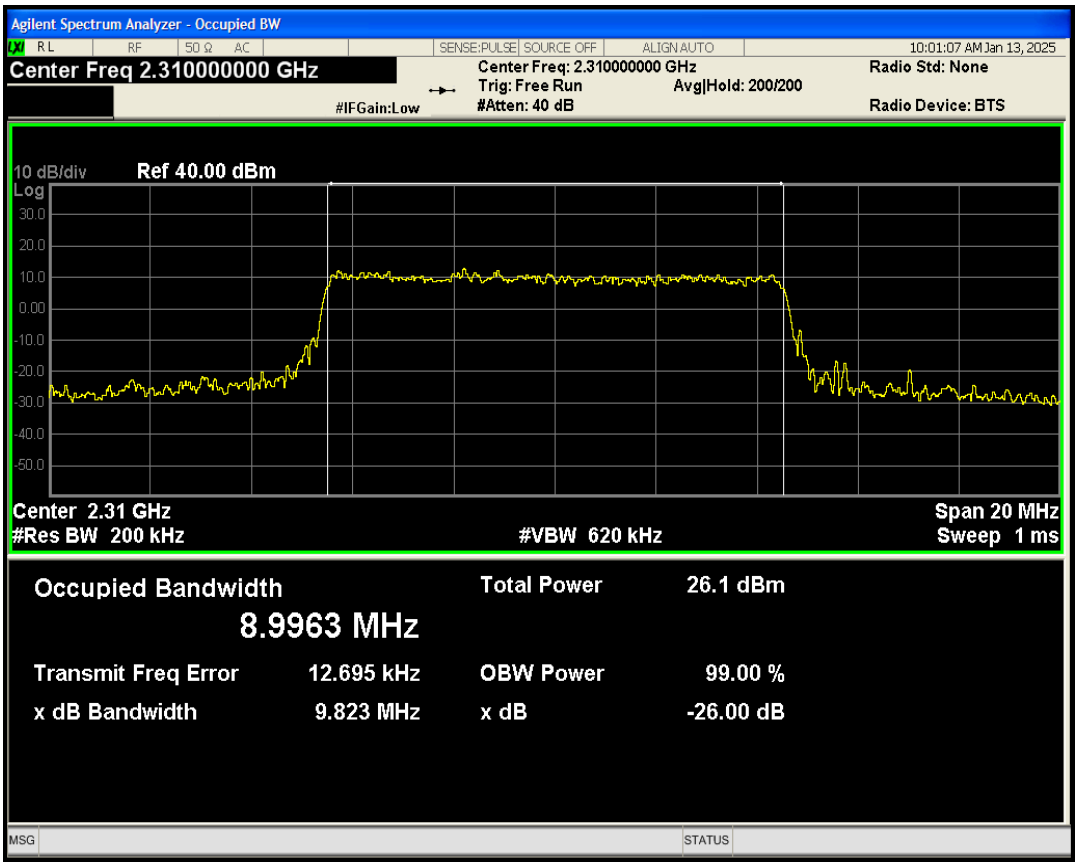

Band40a QAM16 BW=5MHz Channel=38750 RB Size=25 Position=#0



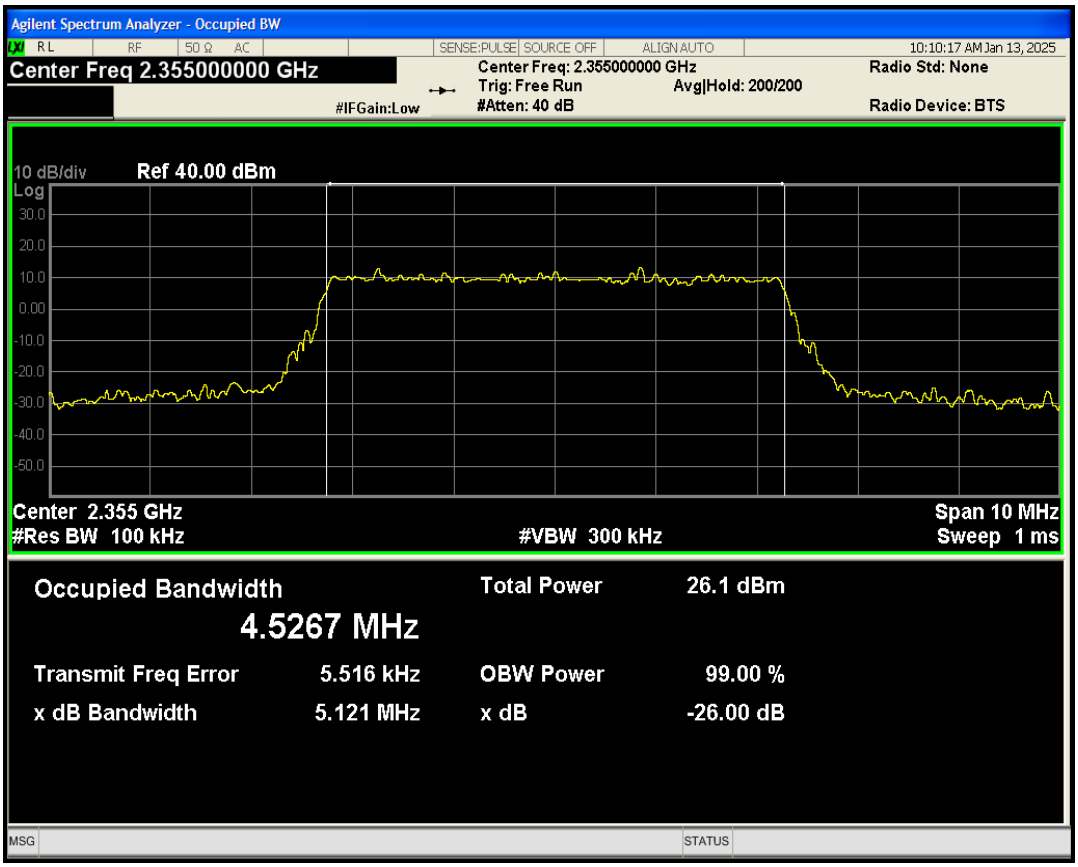

Band40a QAM16 BW=10MHz Channel=38750 RB Size=50 Position=#0



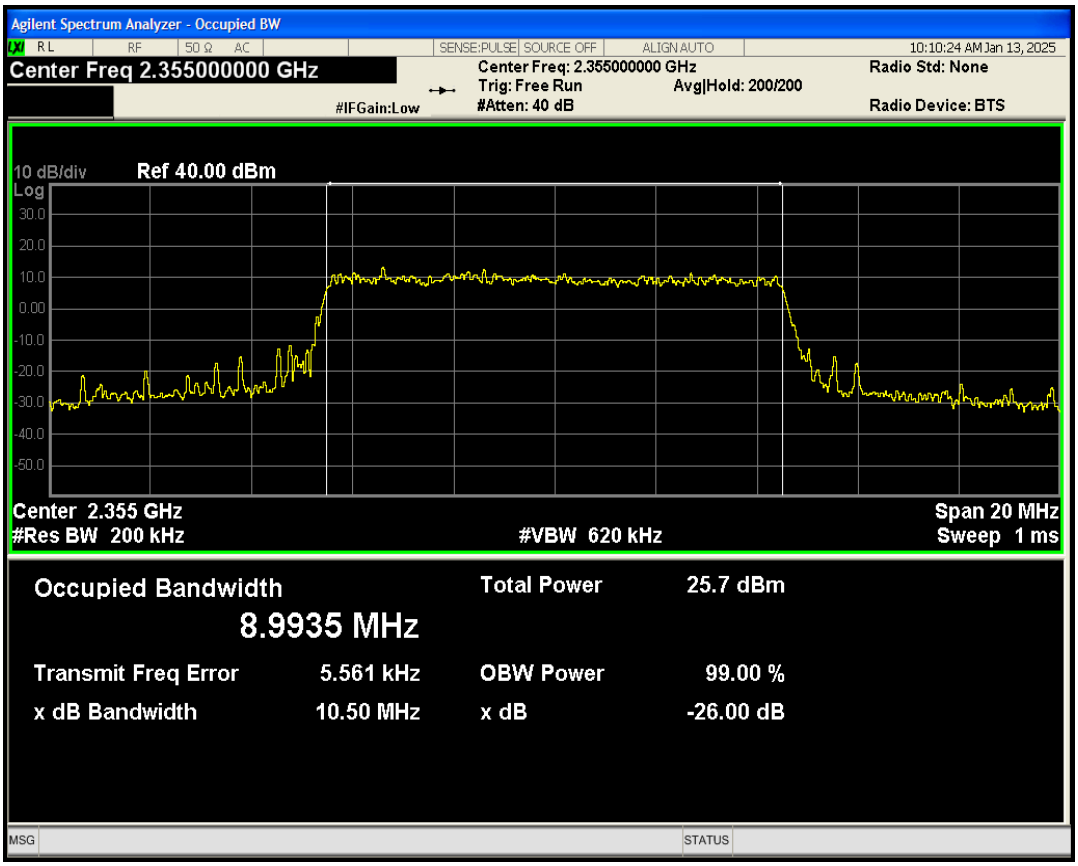

Band40a QPSK BW=10MHz Channel=38750 RB Size=50 Position=#0



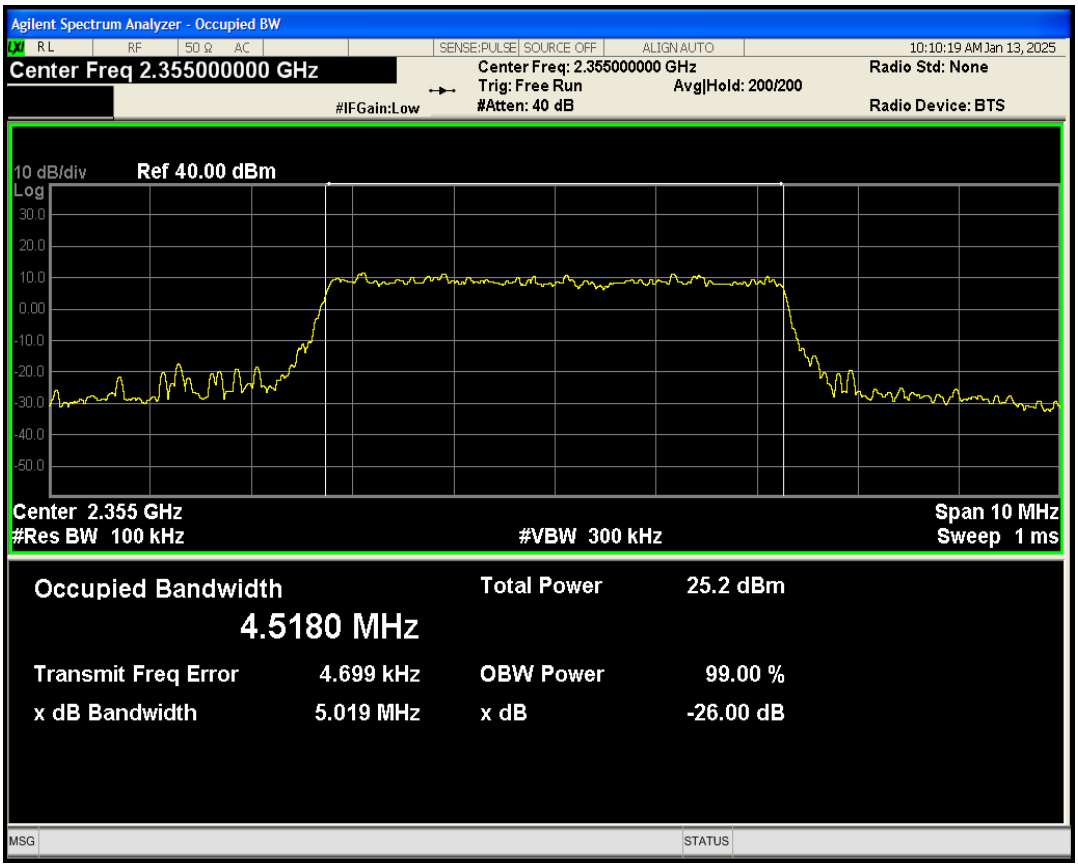

Band40b QPSK BW=5MHz Channel=39200 RB Size=25 Position=#0



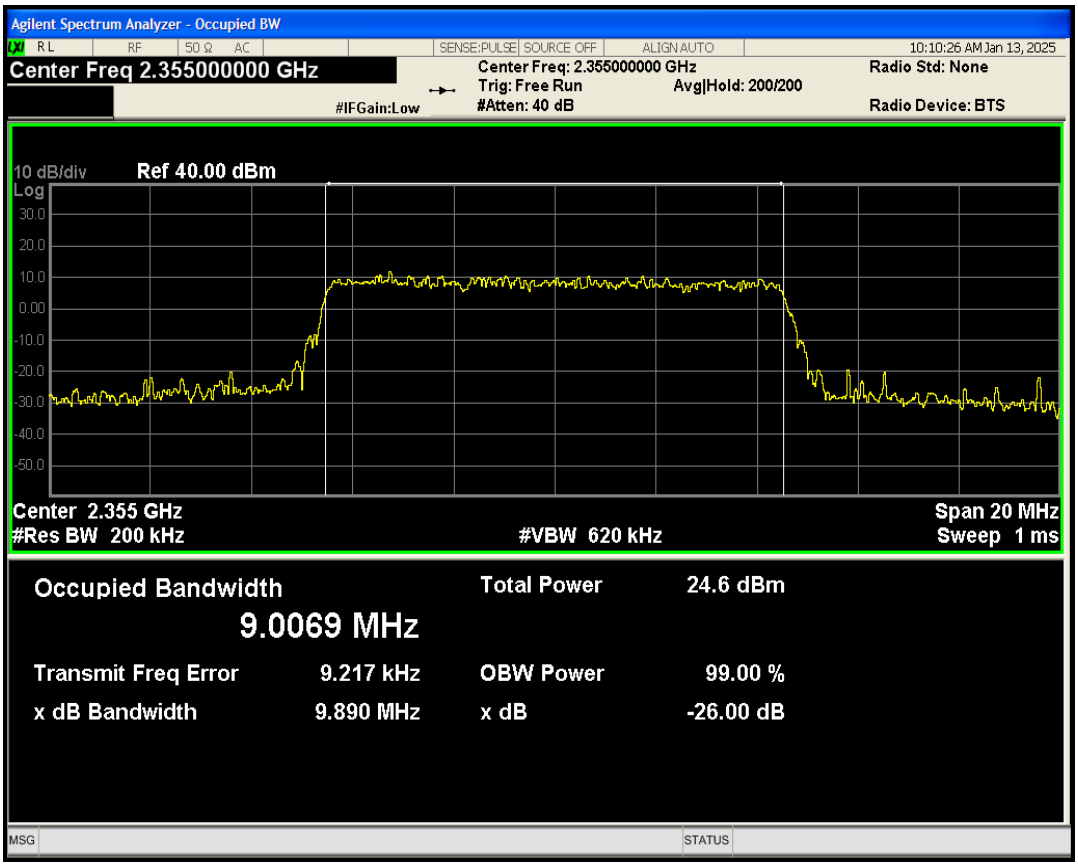

Band40b QPSK BW=10MHz Channel=39200 RB Size=50 Position=#0



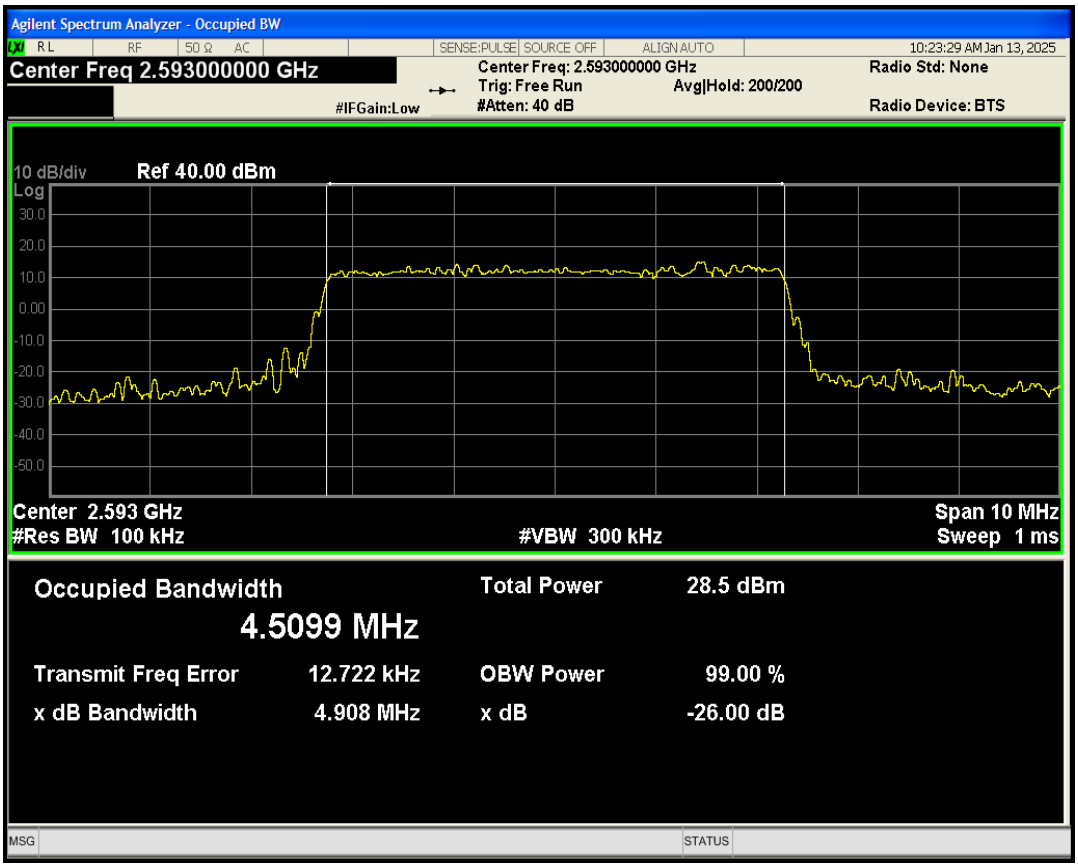

Band40b QAM16 BW=5MHz Channel=39200 RB Size=25 Position=#0



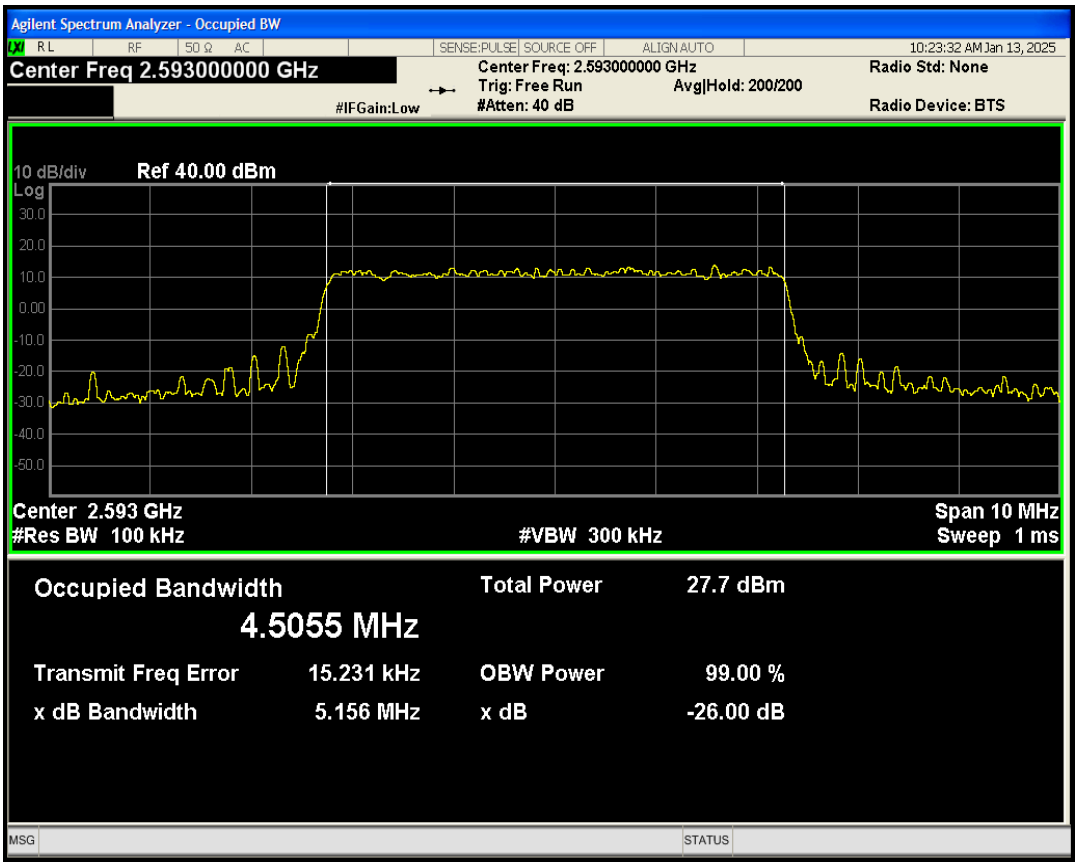

Band40b QAM16 BW=10MHz Channel=39200 RB Size=50 Position=#0



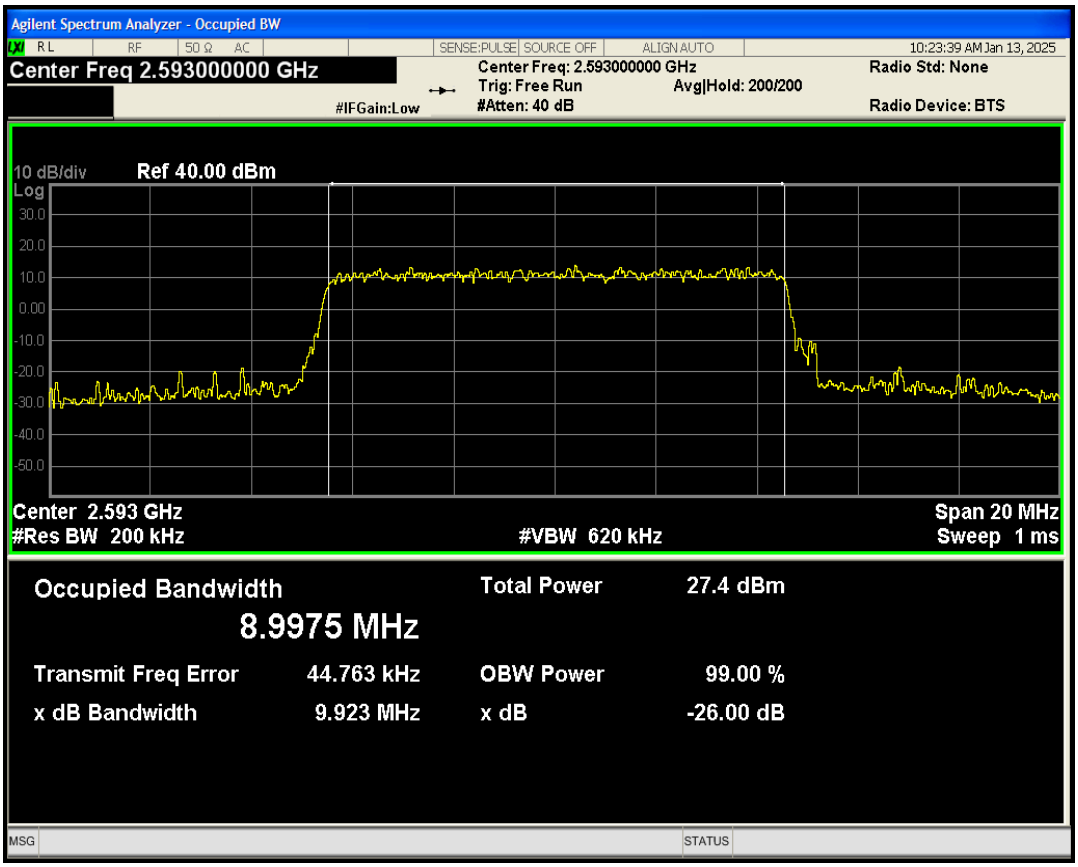

Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0



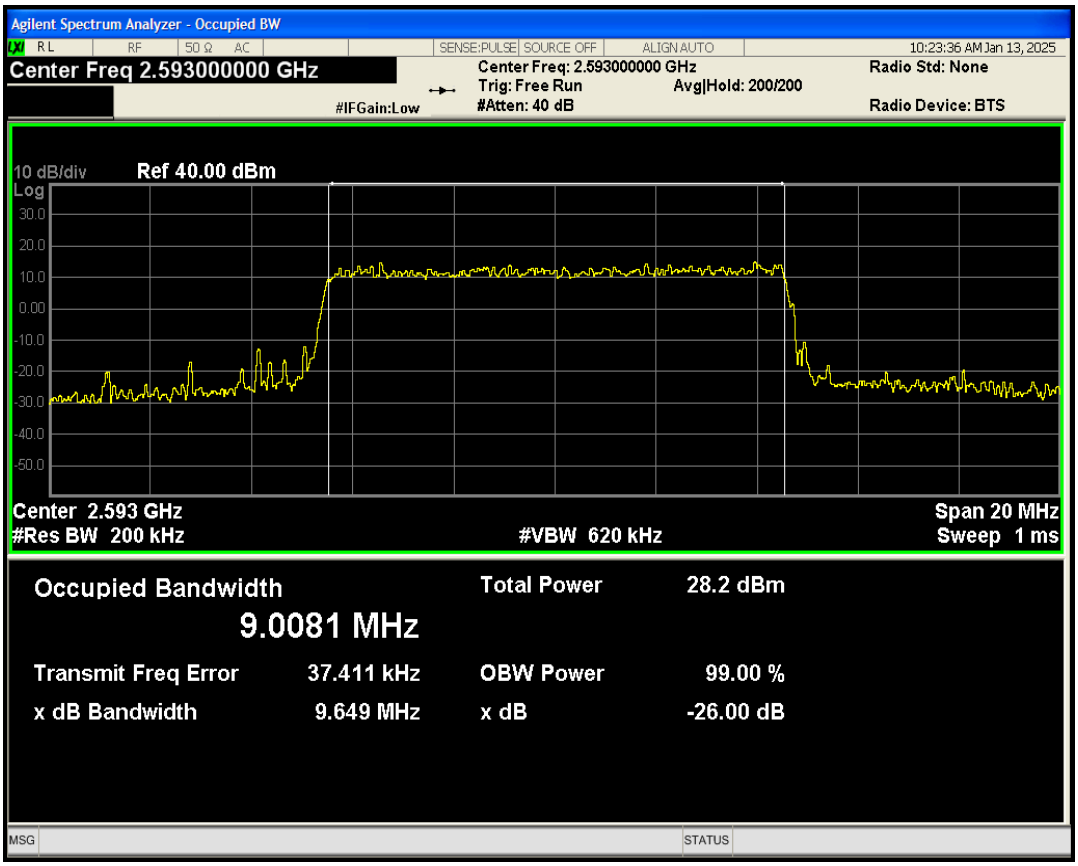

Band41 QAM16 BW=5MHz Channel=40620 RB Size=25 Position=#0



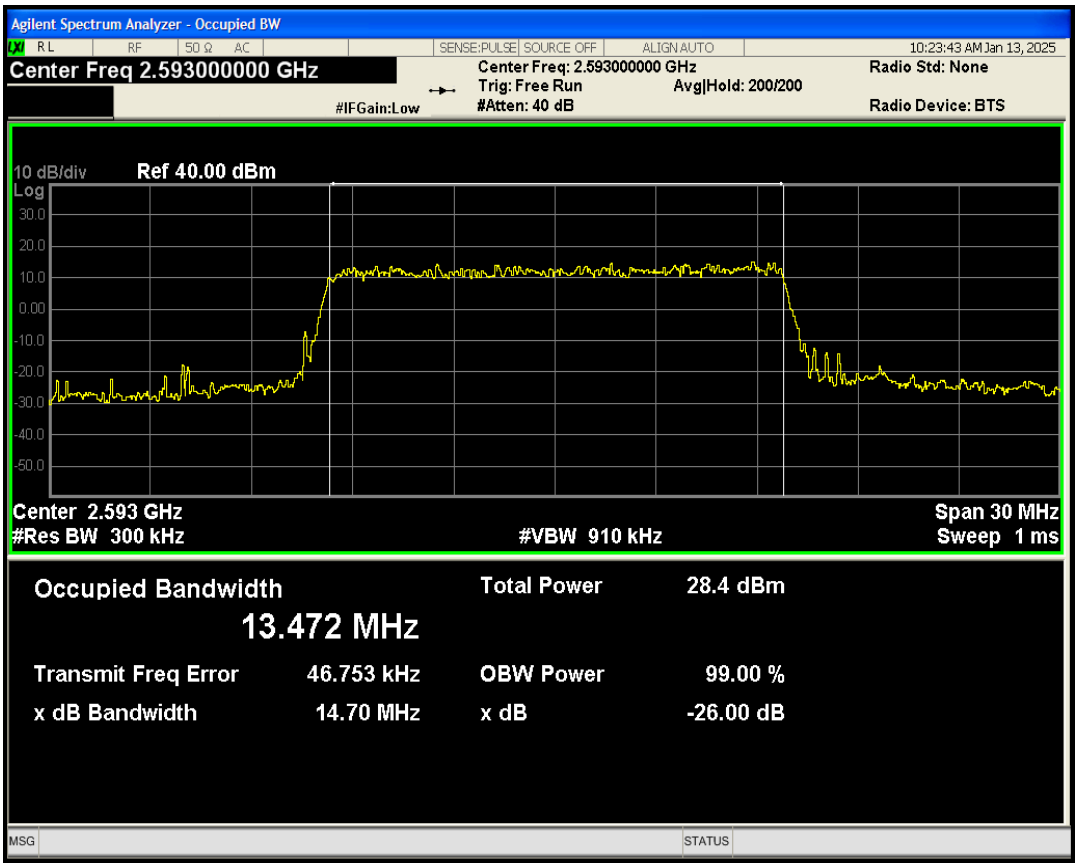

Band41 QAM16 BW=10MHz Channel=40620 RB Size=50 Position=#0



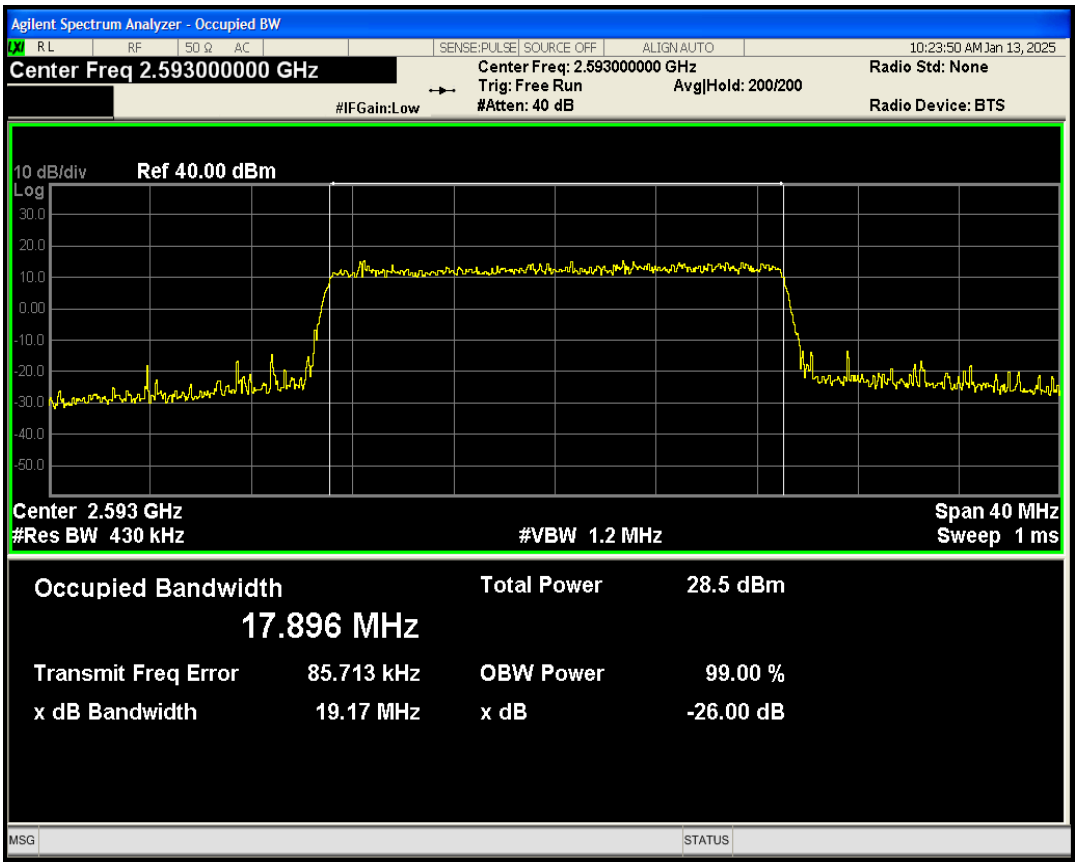

Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0



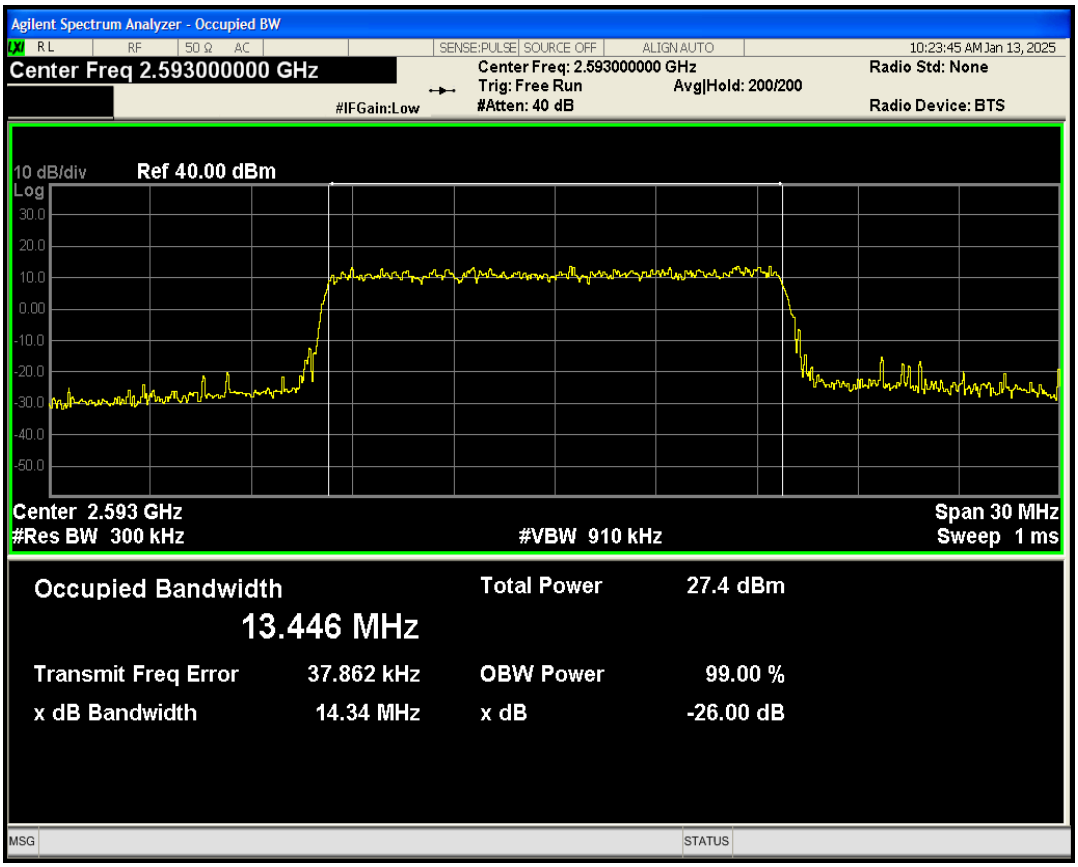

Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0



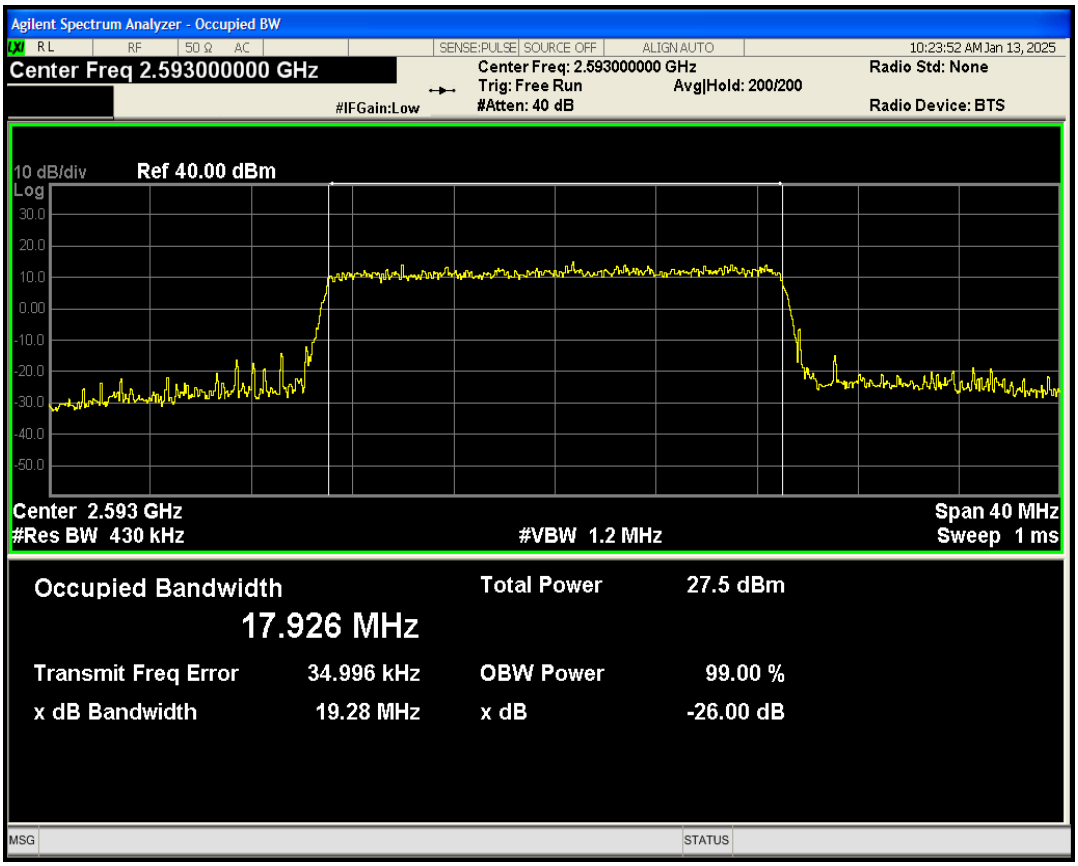

Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0




Band41 QAM16 BW=15MHz Channel=40620 RB Size=75 Position=#0




Band41 QAM16 BW=20MHz Channel=40620 RB Size=100 Position=#0

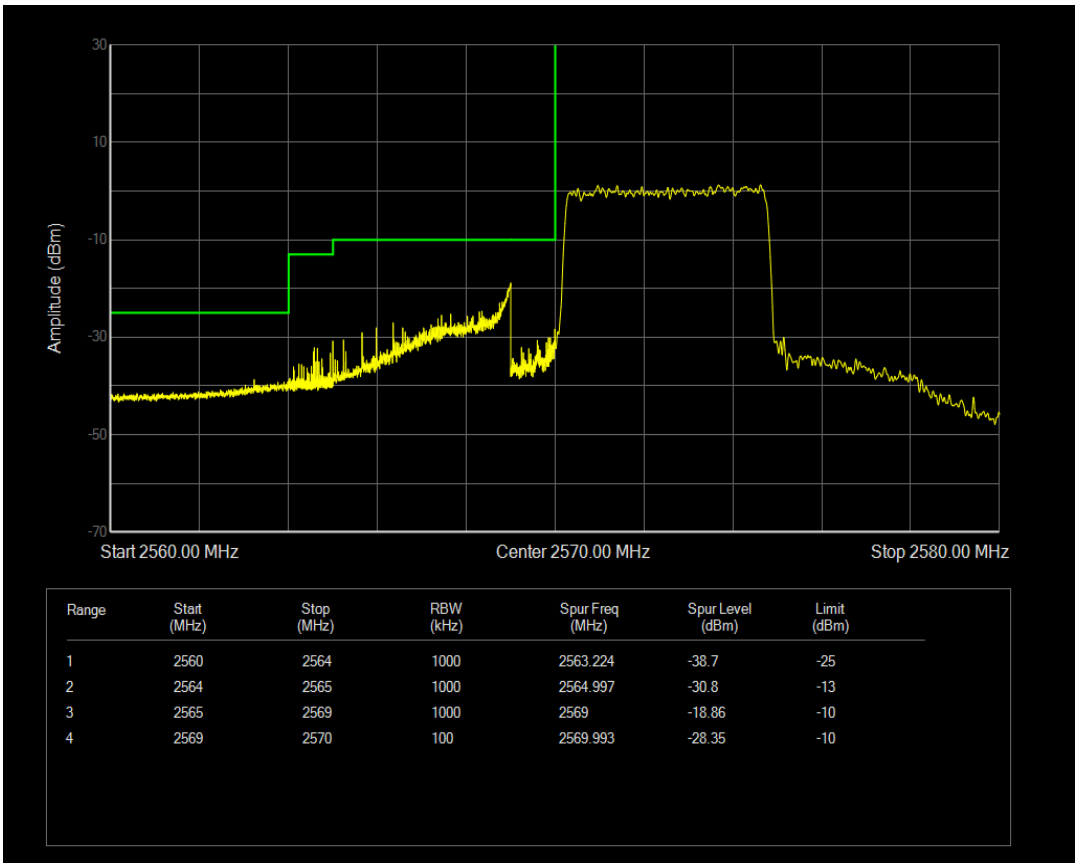



## 5 Band edge

| Band | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| Band38 | 5 | 37775 | 25 | #0 | QPSK | 2568.98 | -18.43 | -10 | PASS |
| Band38 | 5 | 37775 | 25 | #0 | QAM16 | 2569.00 | -18.86 | -10 | PASS |
| Band38 | 5 | 38225 | 25 | #0 | QPSK | 2621.01 | -18.21 | -10 | PASS |
| Band38 | 5 | 38225 | 25 | #0 | QAM16 | 2626.10 | -34.32 | -25 | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QPSK | 2568.94 | -24.73 | -10 | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QAM16 | 2559.26 | -39.00 | -25 | PASS |
| Band38 | 10 | 38200 | 50 | #0 | QPSK | 2630.47 | -36.71 | -25 | PASS |
| Band38 | 10 | 38200 | 50 | #0 | QAM16 | 2630.10 | -37.73 | -25 | PASS |
| Band38 | 15 | 37825 | 75 | #0 | QPSK | 2554.99 | -39.54 | -25 | PASS |
| Band38 | 15 | 37825 | 75 | #0 | QAM16 | 2554.51 | -40.30 | -25 | PASS |
| Band38 | 15 | 38175 | 75 | #0 | QPSK | 2635.59 | -36.31 | -25 | PASS |
| Band38 | 15 | 38175 | 75 | #0 | QAM16 | 2635.04 | -37.50 | -25 | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QPSK | 2548.77 | -41.12 | -25 | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QAM16 | 2549.59 | -41.47 | -25 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | 2640.21 | -38.20 | -25 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QAM16 | 2640.37 | -38.16 | -25 | PASS |
| Band4 | 1.4 | 19957 | 6 | #0 | QPSK | 1710.00 | -31.27 | -13 | PASS |
| Band4 | 1.4 | 19957 | 6 | #0 | QAM16 | 1709.99 | -32.92 | -13 | PASS |
| Band4 | 1.4 | 20393 | 6 | #0 | QPSK | 1755.00 | -29.32 | -13 | PASS |
| Band4 | 1.4 | 20393 | 6 | #0 | QAM16 | 1755.01 | -31.06 | -13 | PASS |
| Band4 | 3 | 19965 | 15 | #0 | QPSK | 1709.99 | -33.56 | -13 | PASS |
| Band4 | 3 | 19965 | 15 | #0 | QAM16 | 1710.00 | -35.13 | -13 | PASS |
| Band4 | 3 | 20385 | 15 | #0 | QPSK | 1755.02 | -34.01 | -13 | PASS |
| Band4 | 3 | 20385 | 15 | #0 | QAM16 | 1755.00 | -33.45 | -13 | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QPSK | 1710.00 | -33.09 | -13 | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QAM16 | 1710.00 | -34.71 | -13 | PASS |
| Band4 | 5 | 20375 | 25 | #0 | QPSK | 1755.00 | -32.93 | -13 | PASS |
| Band4 | 5 | 20375 | 25 | #0 | QAM16 | 1755.00 | -33.84 | -13 | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK | 1709.96 | -37.01 | -13 | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QAM16 | 1709.96 | -36.59 | -13 | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QPSK | 1755.00 | -36.30 | -13 | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QAM16 | 1755.02 | -36.03 | -13 | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK | 1710.00 | -36.38 | -13 | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QAM16 | 1708.89 | -36.63 | -13 | PASS |
| Band4 | 15 | 20325 | 75 | #0 | QPSK | 1755.33 | -34.90 | -13 | PASS |
| Band4 | 15 | 20325 | 75 | #0 | QAM16 | 1755.18 | -37.70 | -13 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK | 1708.64 | -38.01 | -13 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | 1710.00 | -37.46 | -13 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK | 1755.08 | -36.97 | -13 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | 1755.00 | -37.08 | -13 | PASS |
| Band40a | 5 | 38725 | 25 | #0 | QPSK | 2290.58 | -42.00 | -37 | PASS |
| Band40a | 5 | 38725 | 25 | #0 | QAM16 | 2336.60 | -42.04 | -37 | PASS |

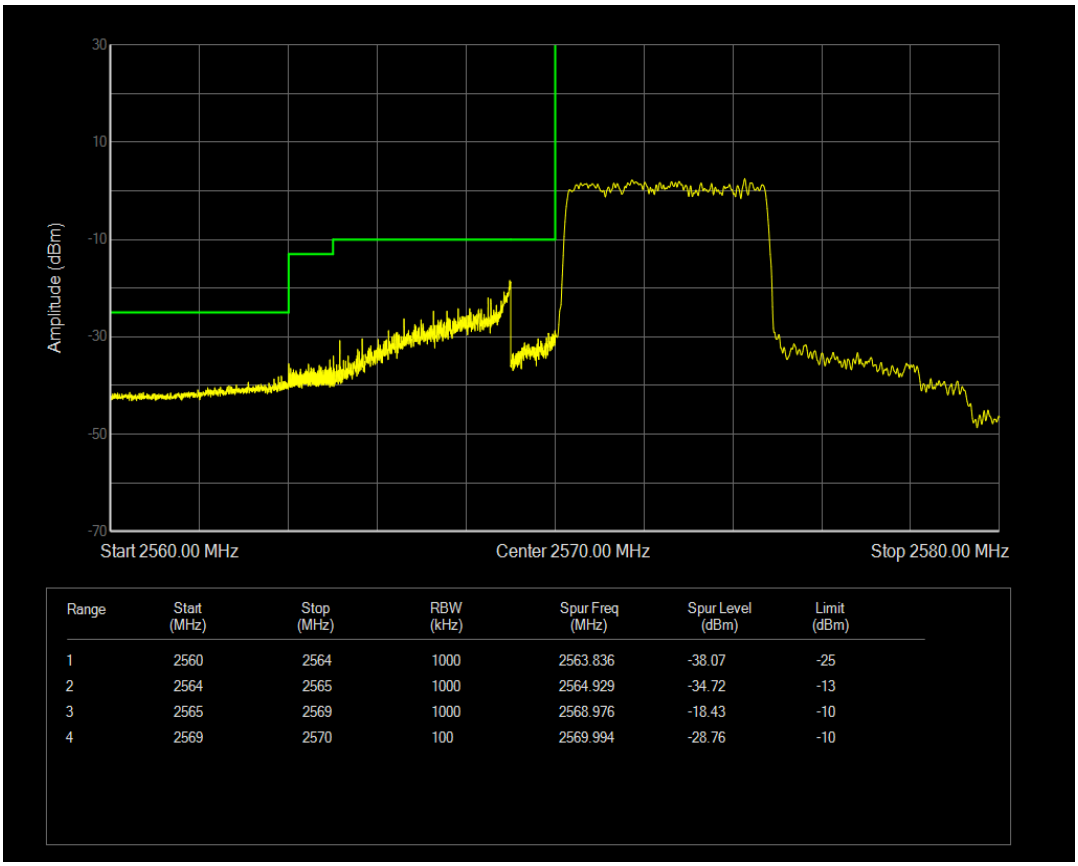
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Band40a | 5 | 38775 | 25 | #0 | QPSK | 2290.70 | -41.89 | -37 | PASS |
| Band40a | 5 | 38775 | 25 | #0 | QAM16 | 2329.15 | -42.05 | -37 | PASS |
| Band40a | 10 | 38750 | 50 | #0 | QPSK | 2328.44 | -41.46 | -37 | PASS |
| Band40a | 10 | 38750 | 50 | #0 | QAM16 | 2299.86 | -29.26 | -25 | PASS |
| Band40b | 5 | 39175 | 25 | #0 | QPSK | 2367.94 | -41.61 | -40 | PASS |
| Band40b | 5 | 39175 | 25 | #0 | QAM16 | 2372.04 | -41.72 | -40 | PASS |
| Band40b | 5 | 39225 | 25 | #0 | QPSK | 2371.68 | -41.74 | -40 | PASS |
| Band40b | 5 | 39225 | 25 | #0 | QAM16 | 2365.35 | -41.59 | -40 | PASS |
| Band40b | 10 | 39200 | 50 | #0 | QPSK | 2365.63 | -41.45 | -40 | PASS |
| Band40b | 10 | 39200 | 50 | #0 | QAM16 | 2365.59 | -41.76 | -40 | PASS |
| Band41 | 5 | 39675 | 25 | #0 | QPSK | 2495.00 | -21.81 | -13 | PASS |
| Band41 | 5 | 39675 | 25 | #0 | QAM16 | 2494.99 | -21.00 | -13 | PASS |
| Band41 | 5 | 41565 | 25 | #0 | QPSK | 2691.00 | -19.02 | -10 | PASS |
| Band41 | 5 | 41565 | 25 | #0 | QAM16 | 2691.01 | -19.23 | -10 | PASS |
| Band41 | 10 | 39700 | 50 | #0 | QPSK | 2495.00 | -26.96 | -13 | PASS |
| Band41 | 10 | 39700 | 50 | #0 | QAM16 | 2494.78 | -27.54 | -13 | PASS |
| Band41 | 10 | 41540 | 50 | #0 | QPSK | 2700.33 | -36.19 | -25 | PASS |
| Band41 | 10 | 41540 | 50 | #0 | QAM16 | 2700.16 | -36.11 | -25 | PASS |
| Band41 | 15 | 39725 | 75 | #0 | QPSK | 2495.00 | -26.73 | -13 | PASS |
| Band41 | 15 | 39725 | 75 | #0 | QAM16 | 2480.19 | -40.17 | -25 | PASS |
| Band41 | 15 | 41515 | 75 | #0 | QPSK | 2705.15 | -36.78 | -25 | PASS |
| Band41 | 15 | 41515 | 75 | #0 | QAM16 | 2705.06 | -37.37 | -25 | PASS |
| Band41 | 20 | 39750 | 100 | #0 | QPSK | 2494.96 | -27.61 | -13 | PASS |
| Band41 | 20 | 39750 | 100 | #0 | QAM16 | 2474.97 | -41.43 | -25 | PASS |
| Band41 | 20 | 41490 | 100 | #0 | QPSK | 2710.34 | -39.80 | -25 | PASS |
| Band41 | 20 | 41490 | 100 | #0 | QAM16 | 2712.51 | -39.98 | -25 | PASS |

Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0



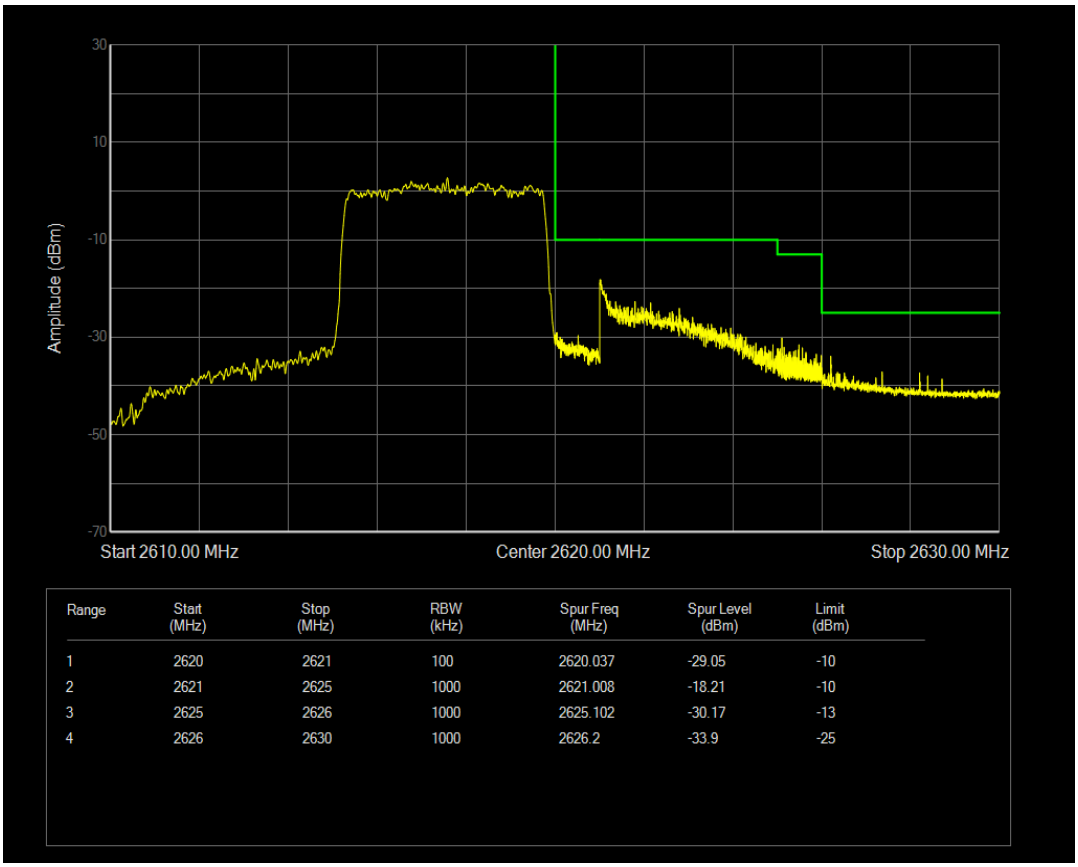

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2560 | 2564 | 1000 | 2563.224 | -38.7 | -25 |
| 2 | 2564 | 2565 | 1000 | 2564.997 | -30.8 | -13 |
| 3 | 2565 | 2569 | 1000 | 2569 | -18.86 | -10 |
| 4 | 2569 | 2570 | 100 | 2569.993 | -28.35 | -10 |

Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



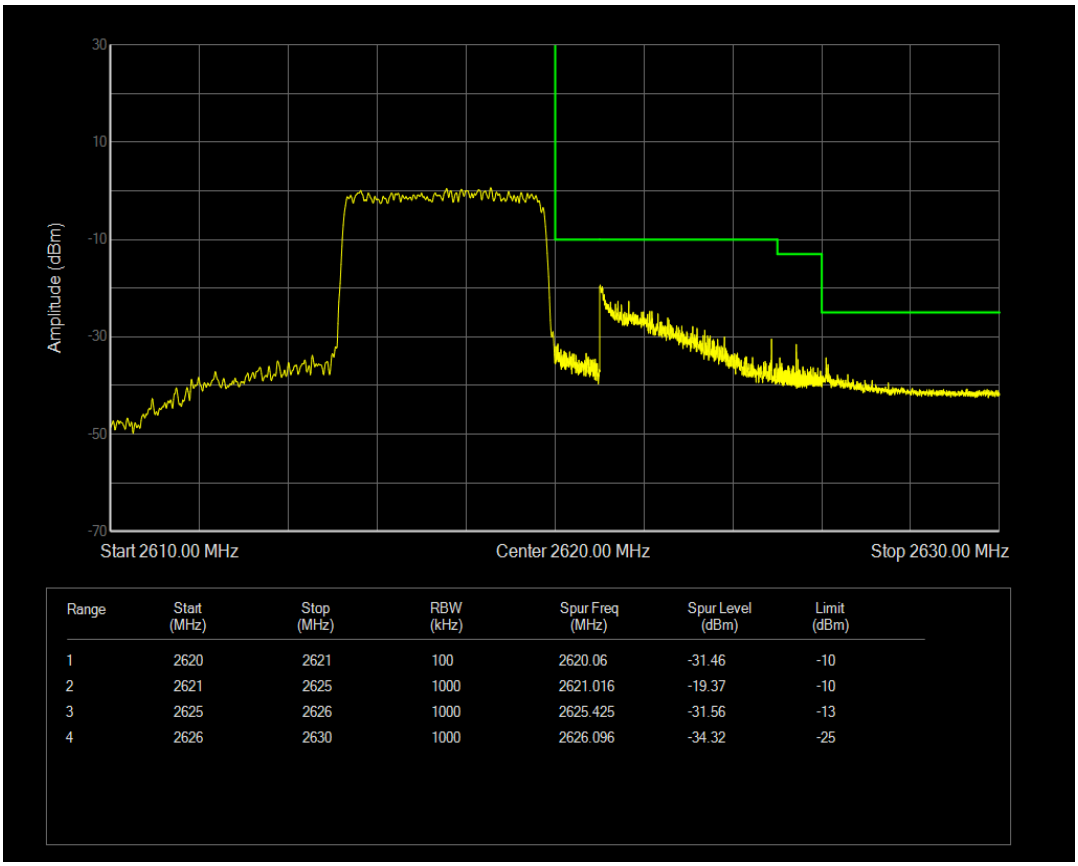

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2560 | 2564 | 1000 | 2563.836 | -38.07 | -25 |
| 2 | 2564 | 2565 | 1000 | 2564.929 | -34.72 | -13 |
| 3 | 2565 | 2569 | 1000 | 2568.976 | -18.43 | -10 |
| 4 | 2569 | 2570 | 100 | 2569.994 | -28.76 | -10 |

Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



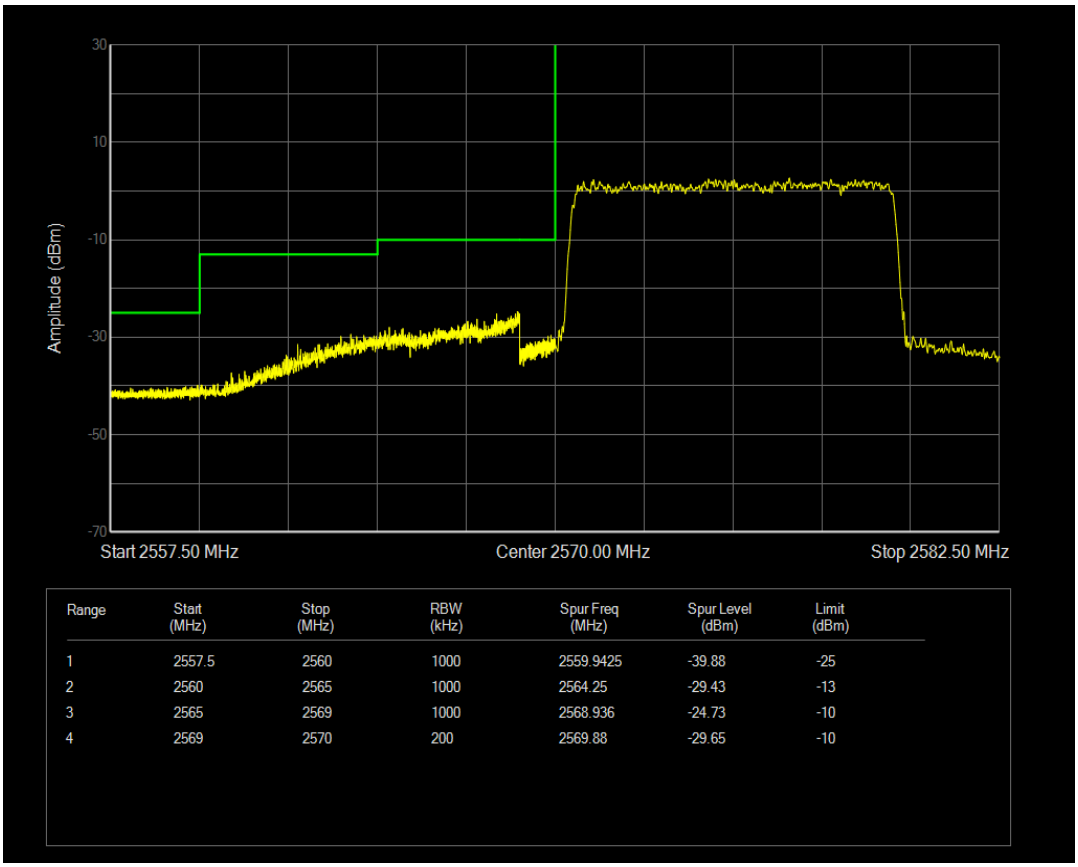

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2620 | 2621 | 100 | 2620.037 | -29.05 | -10 |
| 2 | 2621 | 2625 | 1000 | 2621.008 | -18.21 | -10 |
| 3 | 2625 | 2626 | 1000 | 2625.102 | -30.17 | -13 |
| 4 | 2626 | 2630 | 1000 | 2626.2 | -33.9 | -25 |

Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0



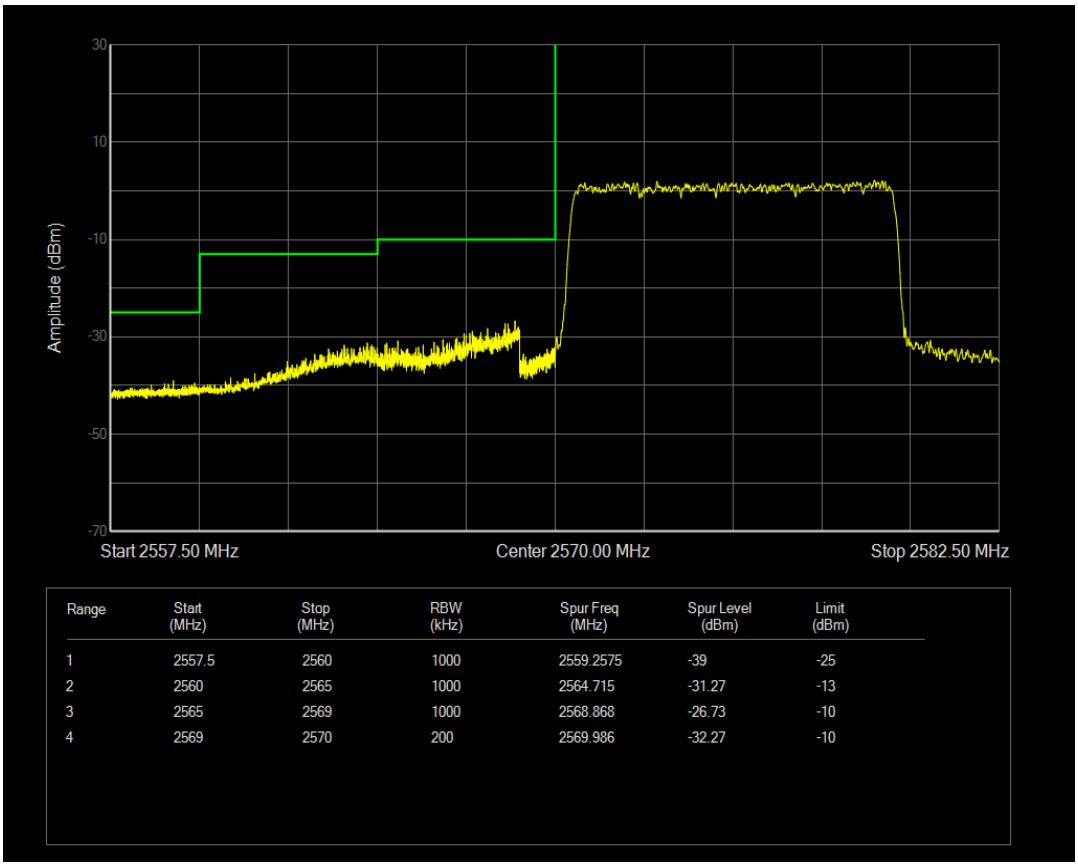

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2620 | 2621 | 100 | 2620.06 | -31.46 | -10 |
| 2 | 2621 | 2625 | 1000 | 2621.016 | -19.37 | -10 |
| 3 | 2625 | 2626 | 1000 | 2625.425 | -31.56 | -13 |
| 4 | 2626 | 2630 | 1000 | 2626.096 | -34.32 | -25 |

Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



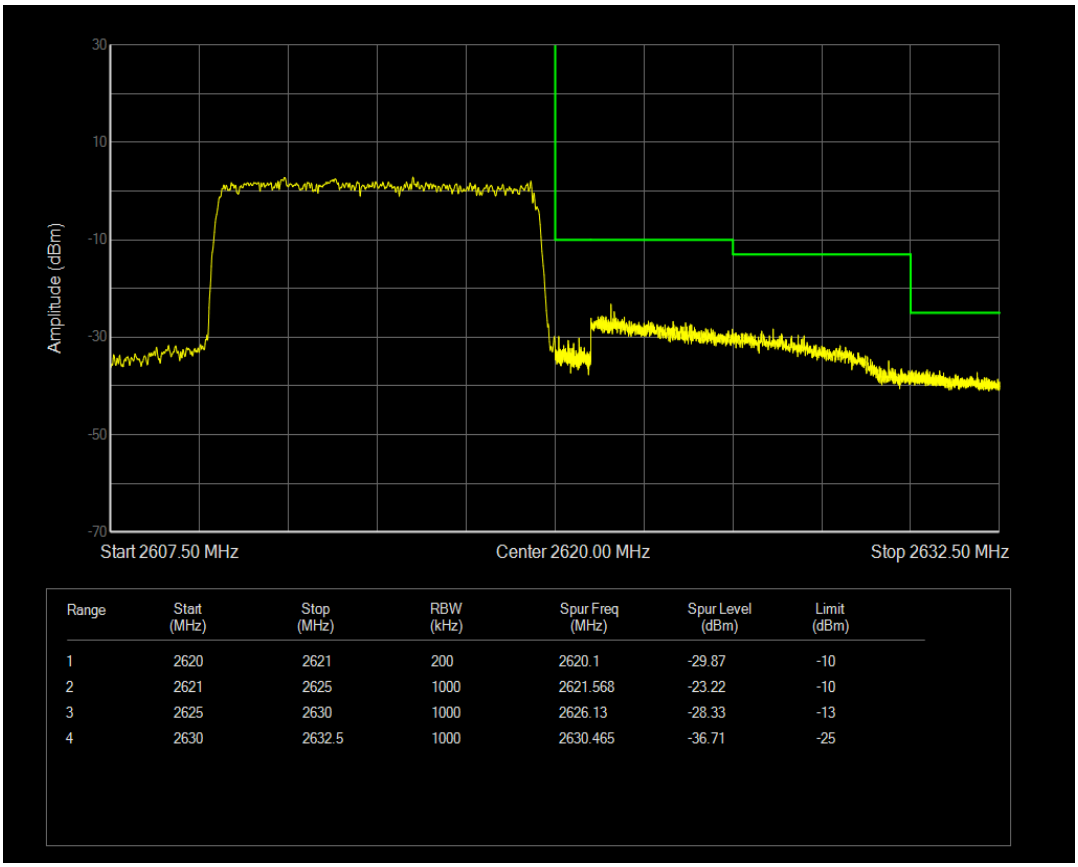

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2557.5 | 2560 | 1000 | 2559.9425 | -39.88 | -25 |
| 2 | 2560 | 2565 | 1000 | 2564.25 | -29.43 | -13 |
| 3 | 2565 | 2569 | 1000 | 2568.936 | -24.73 | -10 |
| 4 | 2569 | 2570 | 200 | 2569.88 | -29.65 | -10 |

Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0



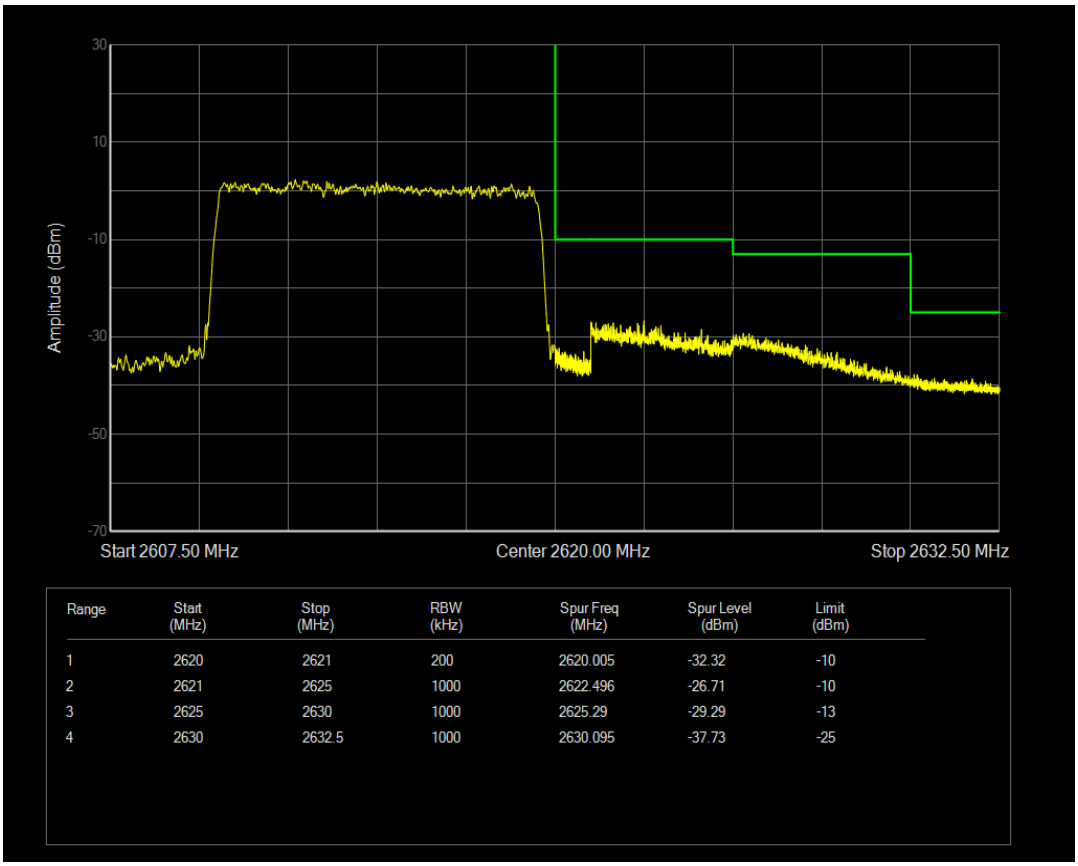

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2557.5 | 2560 | 1000 | 2559.2575 | -39 | -25 |
| 2 | 2560 | 2565 | 1000 | 2564.715 | -31.27 | -13 |
| 3 | 2565 | 2569 | 1000 | 2568.868 | -26.73 | -10 |
| 4 | 2569 | 2570 | 200 | 2569.986 | -32.27 | -10 |

Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



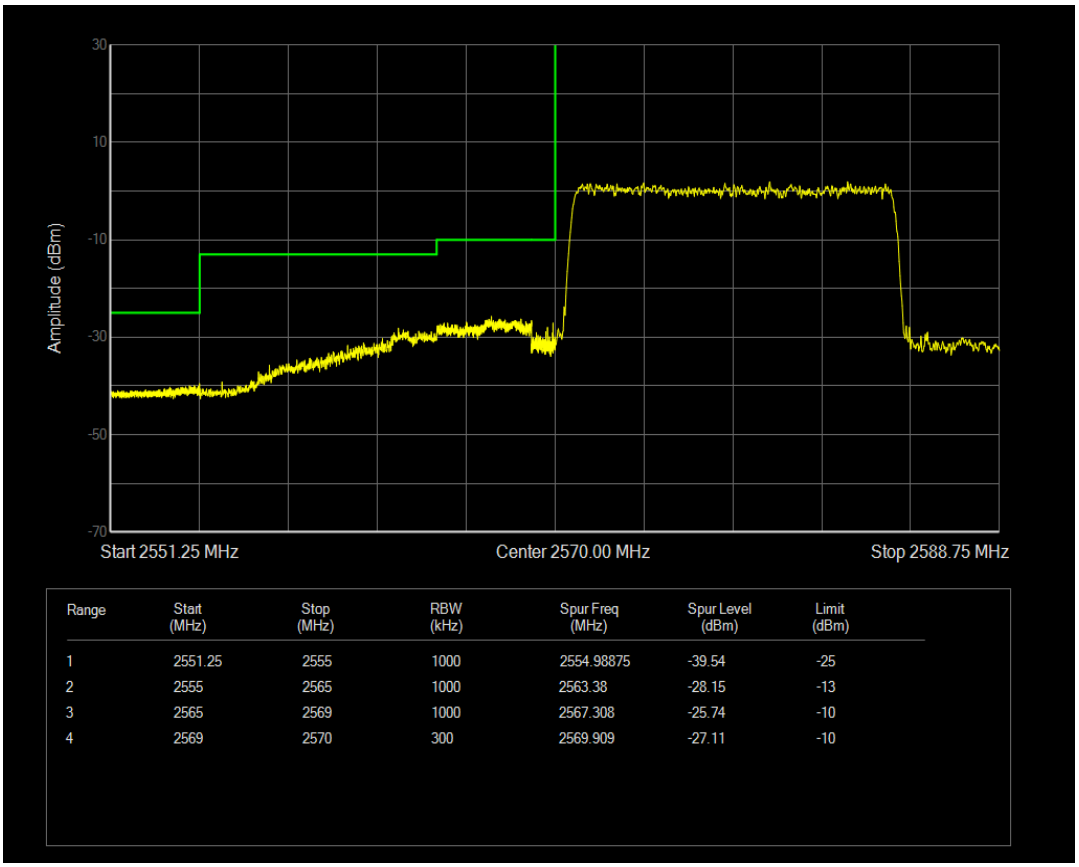

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2620 | 2621 | 200 | 2620.1 | -29.87 | -10 |
| 2 | 2621 | 2625 | 1000 | 2621.568 | -23.22 | -10 |
| 3 | 2625 | 2630 | 1000 | 2626.13 | -28.33 | -13 |
| 4 | 2630 | 2632.5 | 1000 | 2630.465 | -36.71 | -25 |

Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0



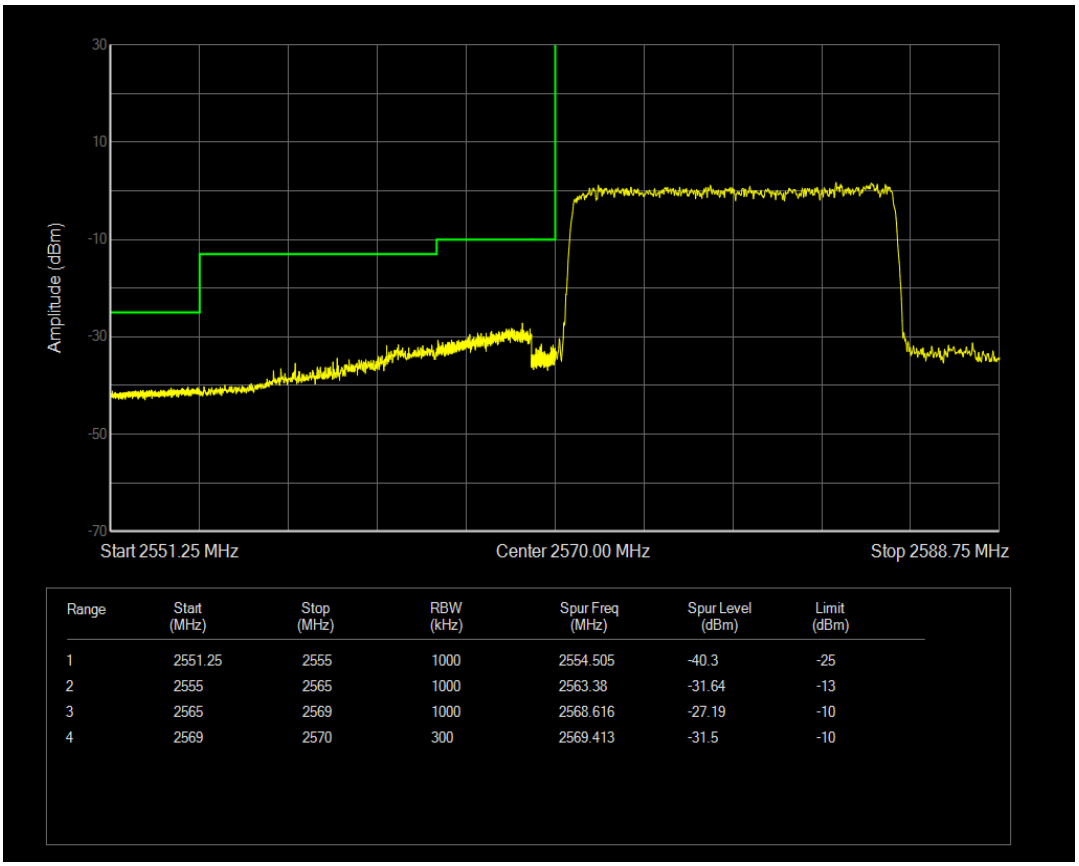

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2620 | 2621 | 200 | 2620.005 | -32.32 | -10 |
| 2 | 2621 | 2625 | 1000 | 2622.496 | -26.71 | -10 |
| 3 | 2625 | 2630 | 1000 | 2625.29 | -29.29 | -13 |
| 4 | 2630 | 2632.5 | 1000 | 2630.095 | -37.73 | -25 |

Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



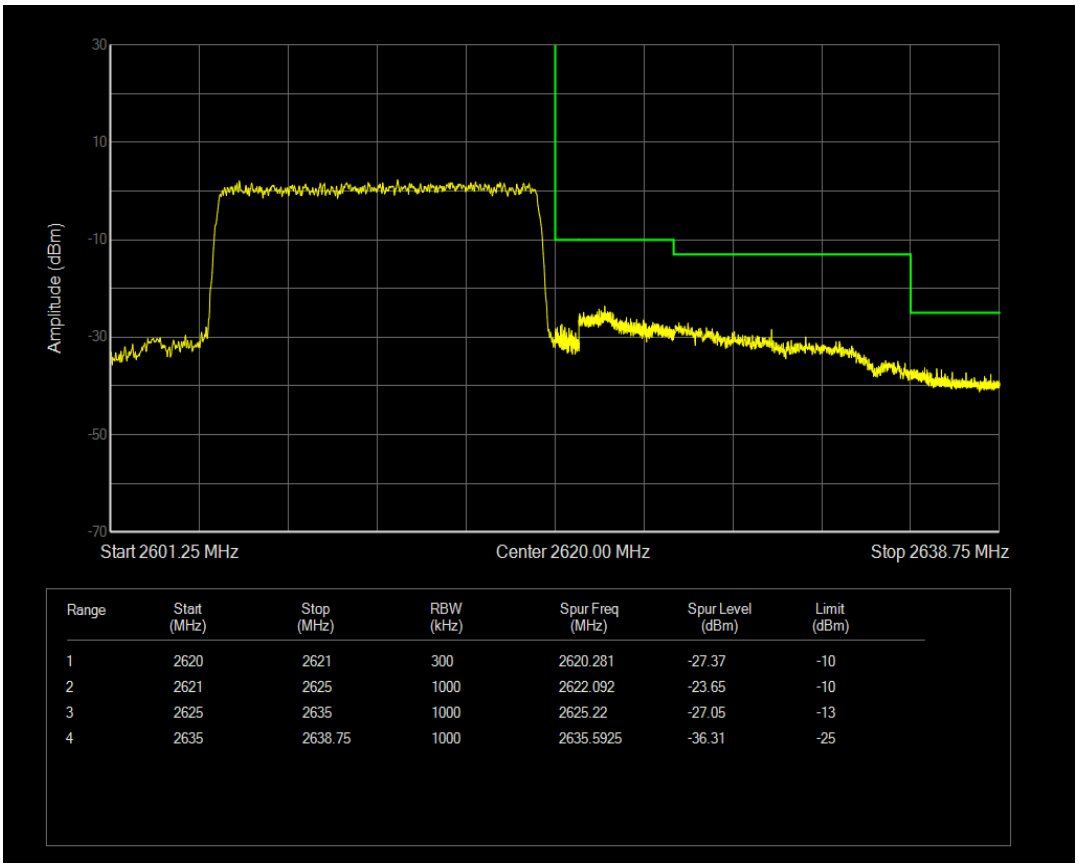

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2551.25 | 2555 | 1000 | 2554.98875 | -39.54 | -25 |
| 2 | 2555 | 2565 | 1000 | 2563.38 | -28.15 | -13 |
| 3 | 2565 | 2569 | 1000 | 2567.308 | -25.74 | -10 |
| 4 | 2569 | 2570 | 300 | 2569.909 | -27.11 | -10 |

Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0



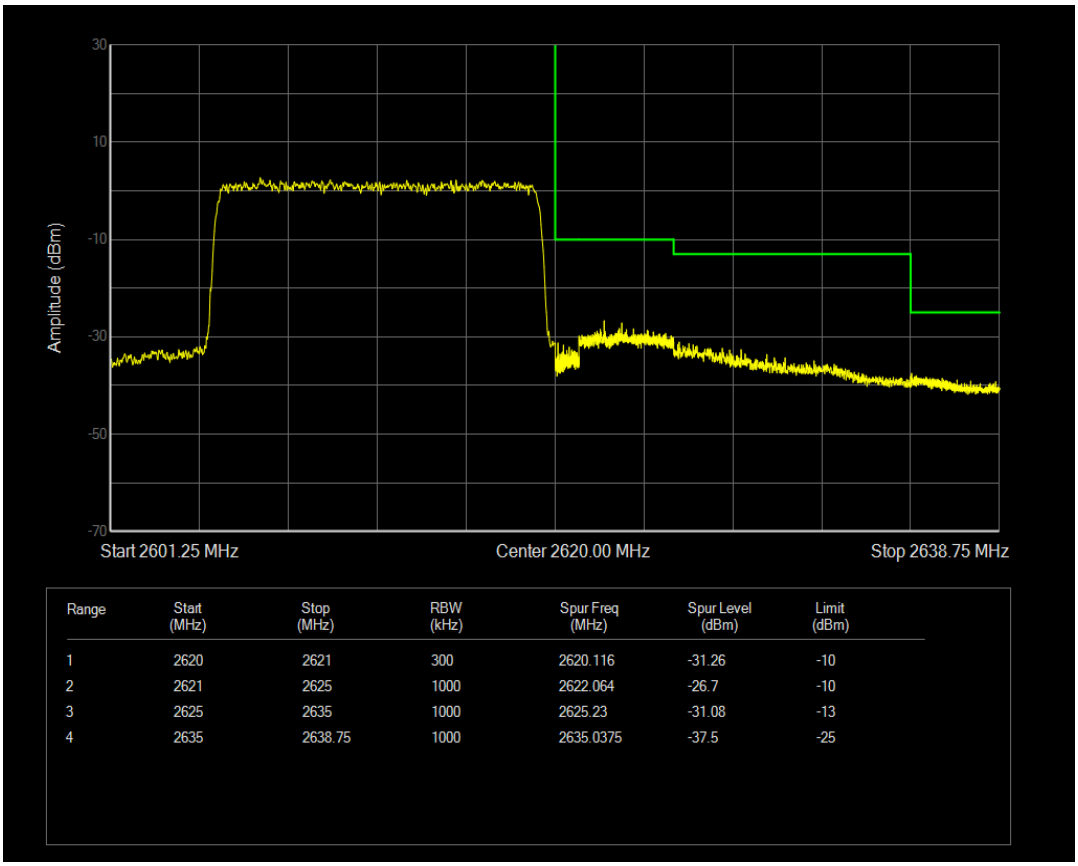

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2551.25 | 2555 | 1000 | 2554.505 | -40.3 | -25 |
| 2 | 2555 | 2565 | 1000 | 2563.38 | -31.64 | -13 |
| 3 | 2565 | 2569 | 1000 | 2568.616 | -27.19 | -10 |
| 4 | 2569 | 2570 | 300 | 2569.413 | -31.5 | -10 |

Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0



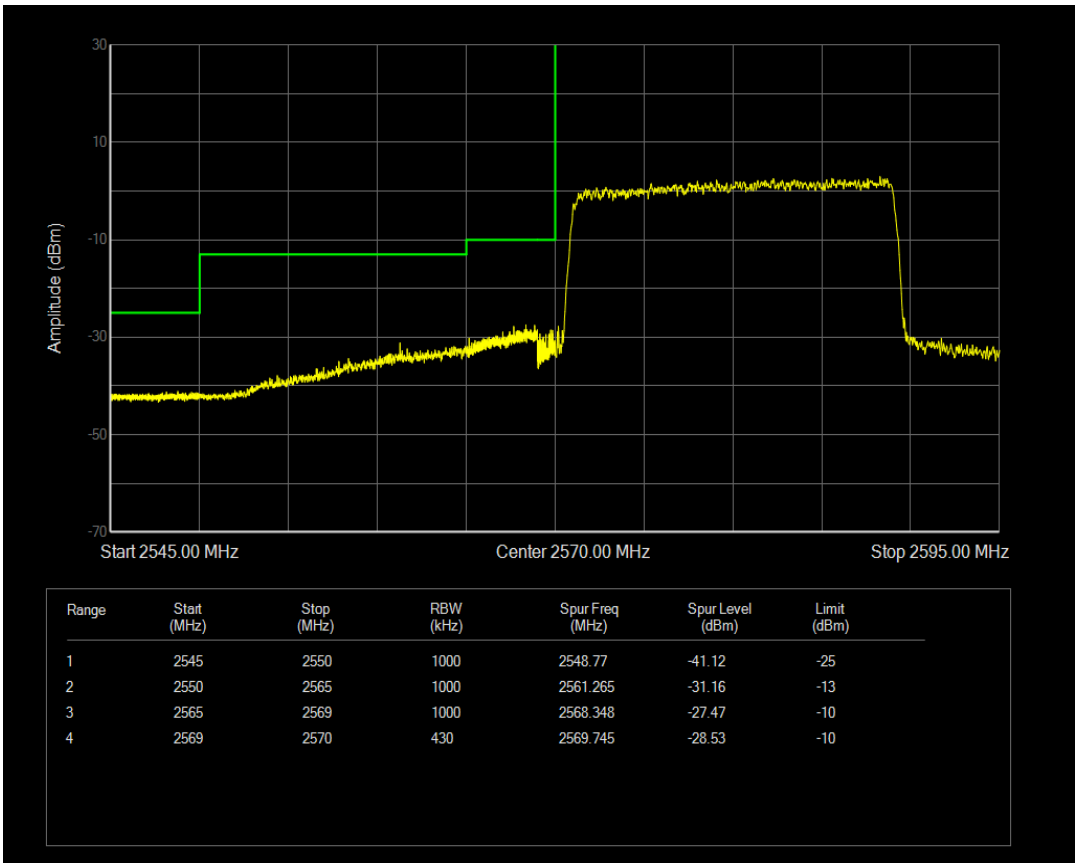

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2620 | 2621 | 300 | 2620.281 | -27.37 | -10 |
| 2 | 2621 | 2625 | 1000 | 2622.092 | -23.65 | -10 |
| 3 | 2625 | 2635 | 1000 | 2625.22 | -27.05 | -13 |
| 4 | 2635 | 2638.75 | 1000 | 2635.5925 | -36.31 | -25 |

Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0



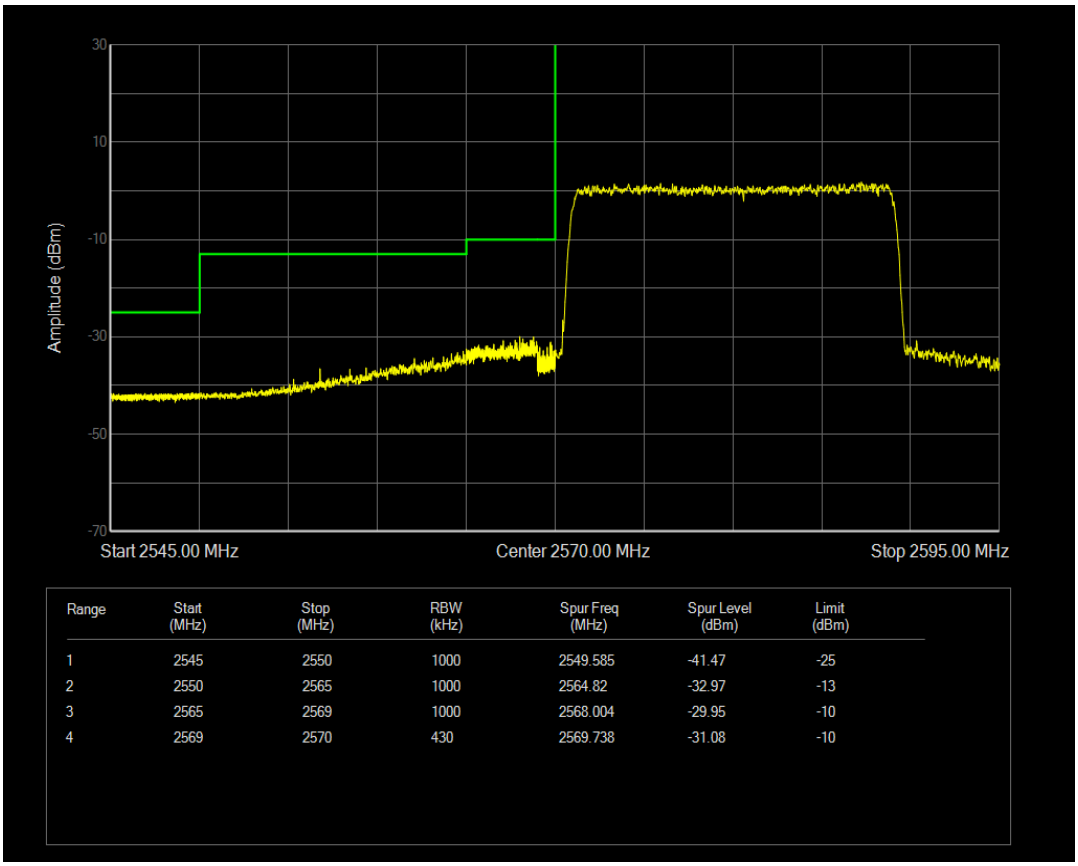

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2620 | 2621 | 300 | 2620.116 | -31.26 | -10 |
| 2 | 2621 | 2625 | 1000 | 2622.064 | -26.7 | -10 |
| 3 | 2625 | 2635 | 1000 | 2625.23 | -31.08 | -13 |
| 4 | 2635 | 2638.75 | 1000 | 2635.0375 | -37.5 | -25 |

Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0



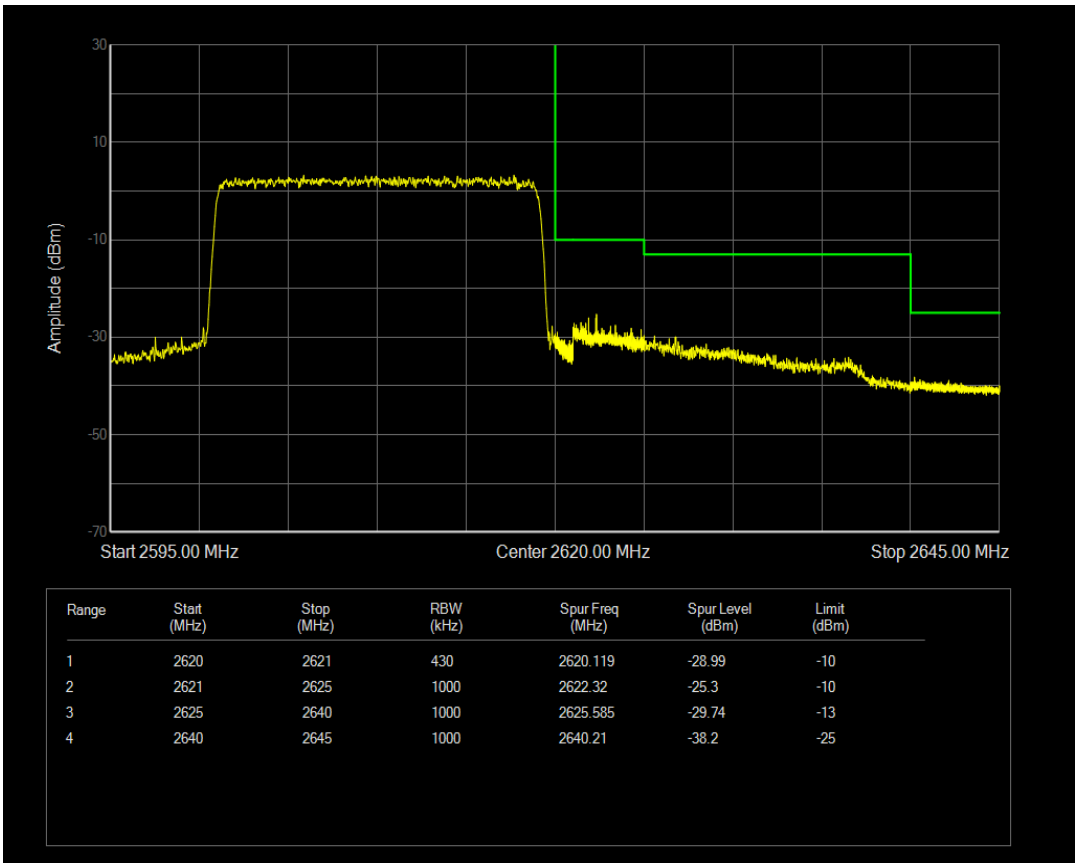

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2545 | 2550 | 1000 | 2548.77 | -41.12 | -25 |
| 2 | 2550 | 2565 | 1000 | 2561.265 | -31.16 | -13 |
| 3 | 2565 | 2569 | 1000 | 2568.348 | -27.47 | -10 |
| 4 | 2569 | 2570 | 430 | 2569.745 | -28.53 | -10 |

Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0



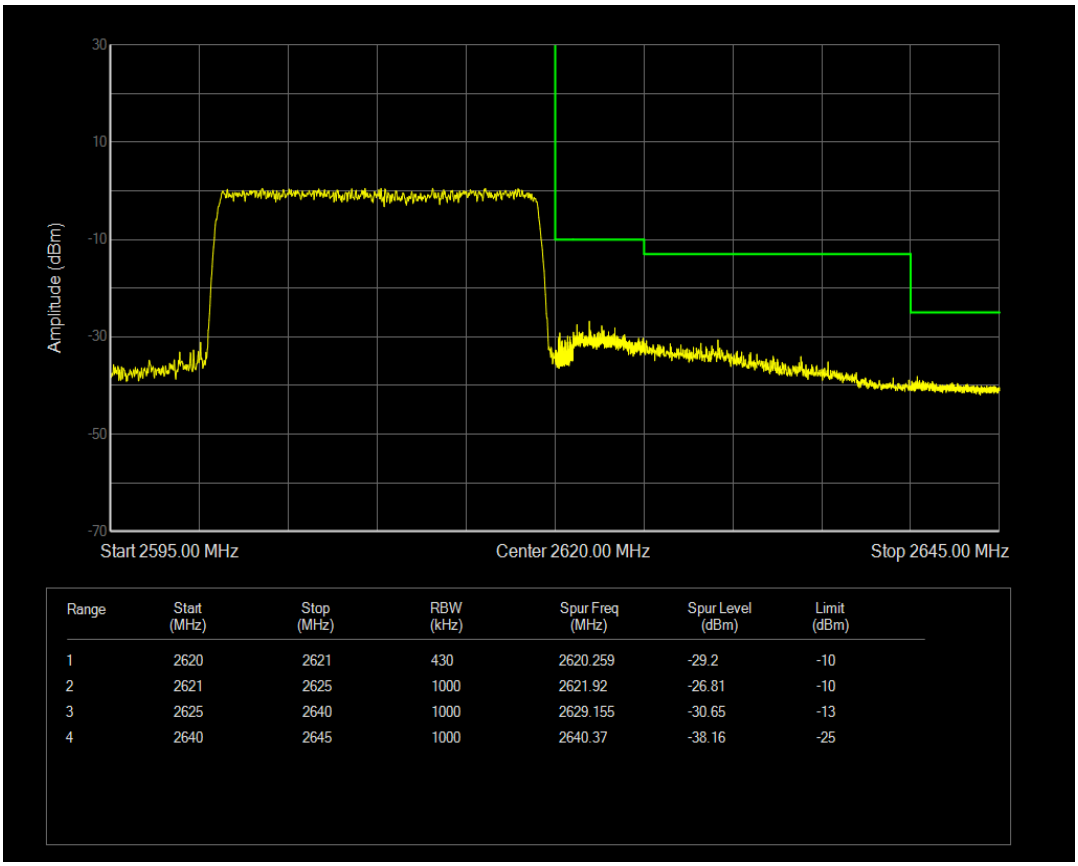

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2545 | 2550 | 1000 | 2549.585 | -41.47 | -25 |
| 2 | 2550 | 2565 | 1000 | 2564.82 | -32.97 | -13 |
| 3 | 2565 | 2569 | 1000 | 2568.004 | -29.95 | -10 |
| 4 | 2569 | 2570 | 430 | 2569.738 | -31.08 | -10 |

Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0




| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2620 | 2621 | 430 | 2620.119 | -28.99 | -10 |
| 2 | 2621 | 2625 | 1000 | 2622.32 | -25.3 | -10 |
| 3 | 2625 | 2640 | 1000 | 2625.585 | -29.74 | -13 |
| 4 | 2640 | 2645 | 1000 | 2640.21 | -38.2 | -25 |

Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0



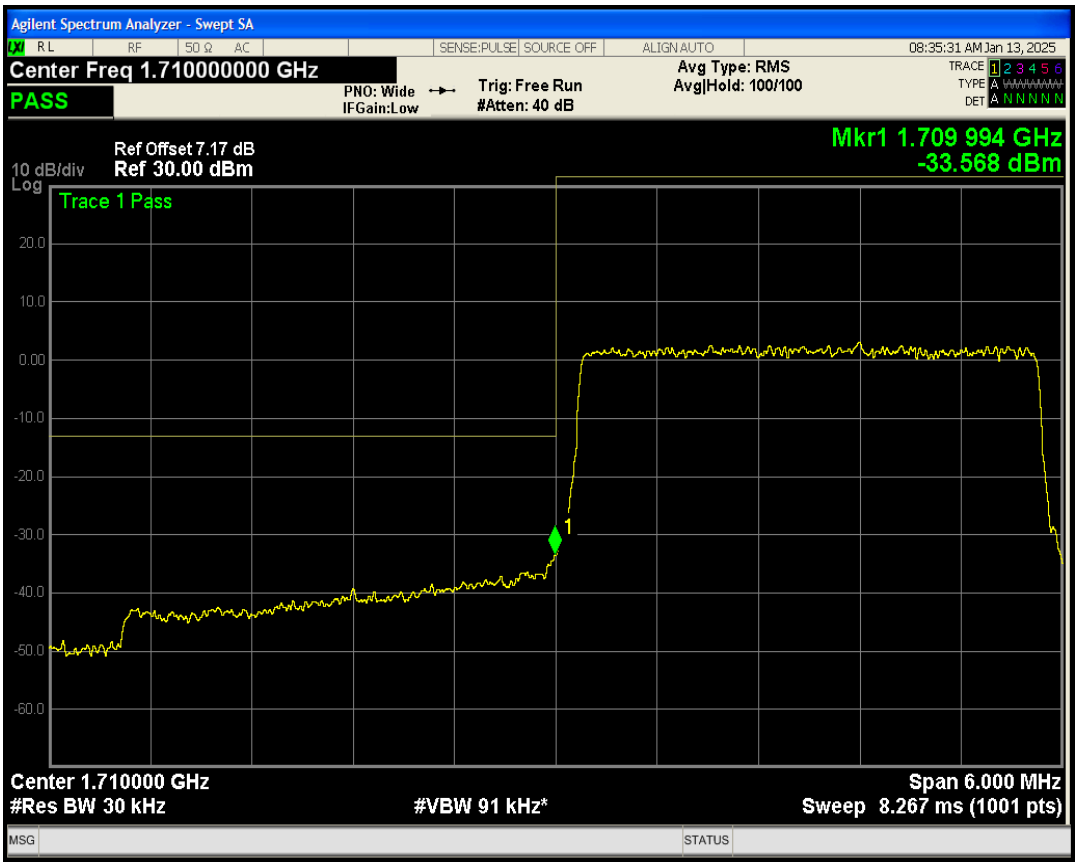

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2620 | 2621 | 430 | 2620.259 | -29.2 | -10 |
| 2 | 2621 | 2625 | 1000 | 2621.92 | -26.81 | -10 |
| 3 | 2625 | 2640 | 1000 | 2629.155 | -30.65 | -13 |
| 4 | 2640 | 2645 | 1000 | 2640.37 | -38.16 | -25 |

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0

Band4 QAM16 BW=1.4MHz Channel=19957 RB Size=6 Position=#0

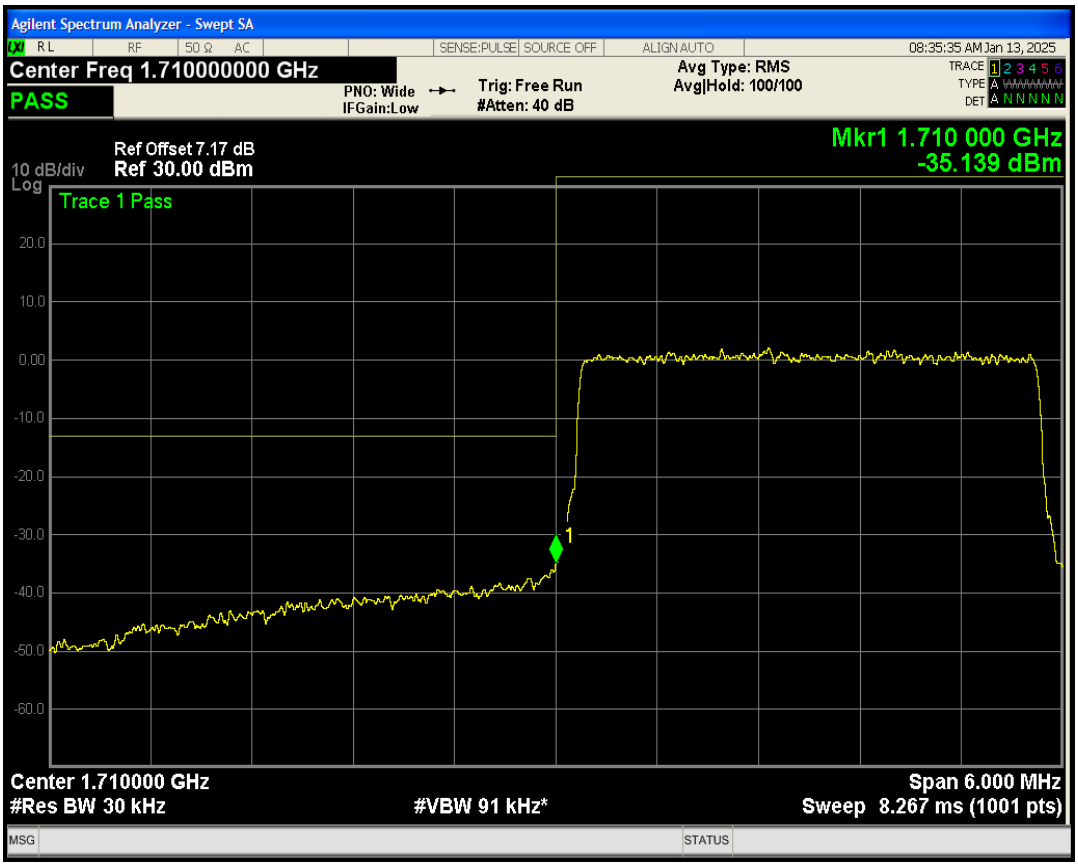
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0

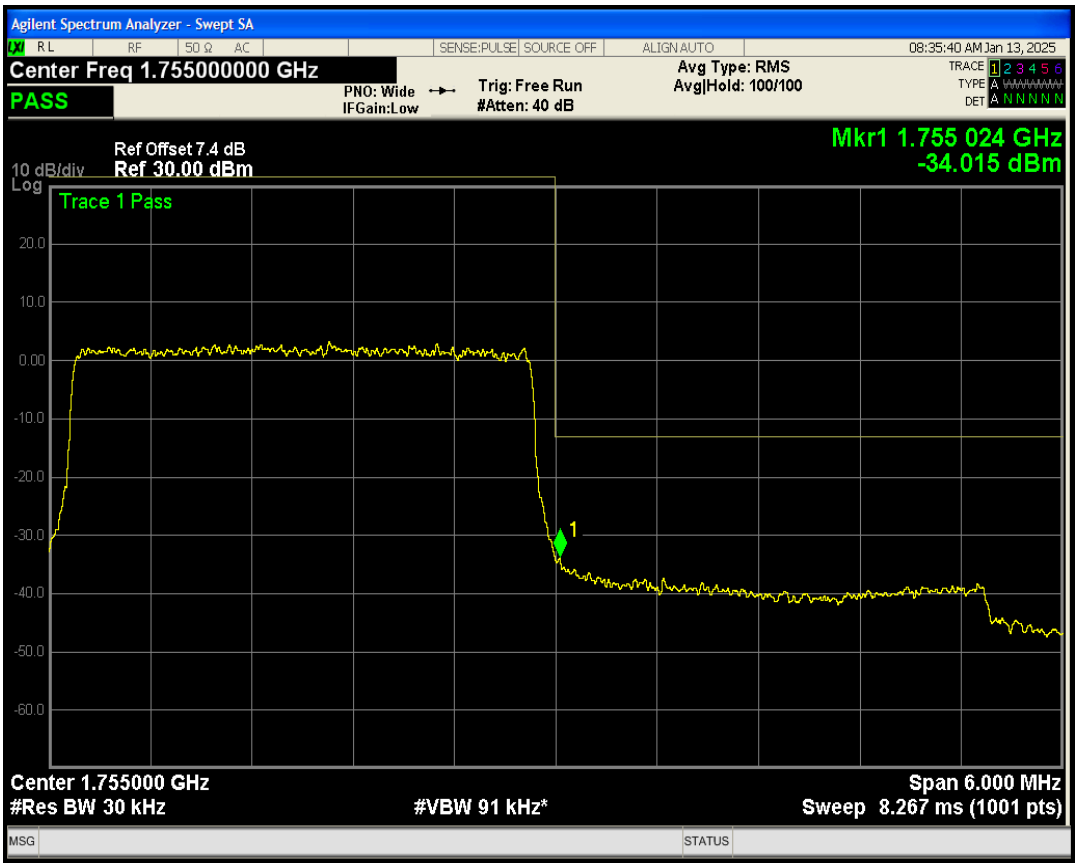



Band4 QAM16 BW=1.4MHz Channel=20393 RB Size=6 Position=#0

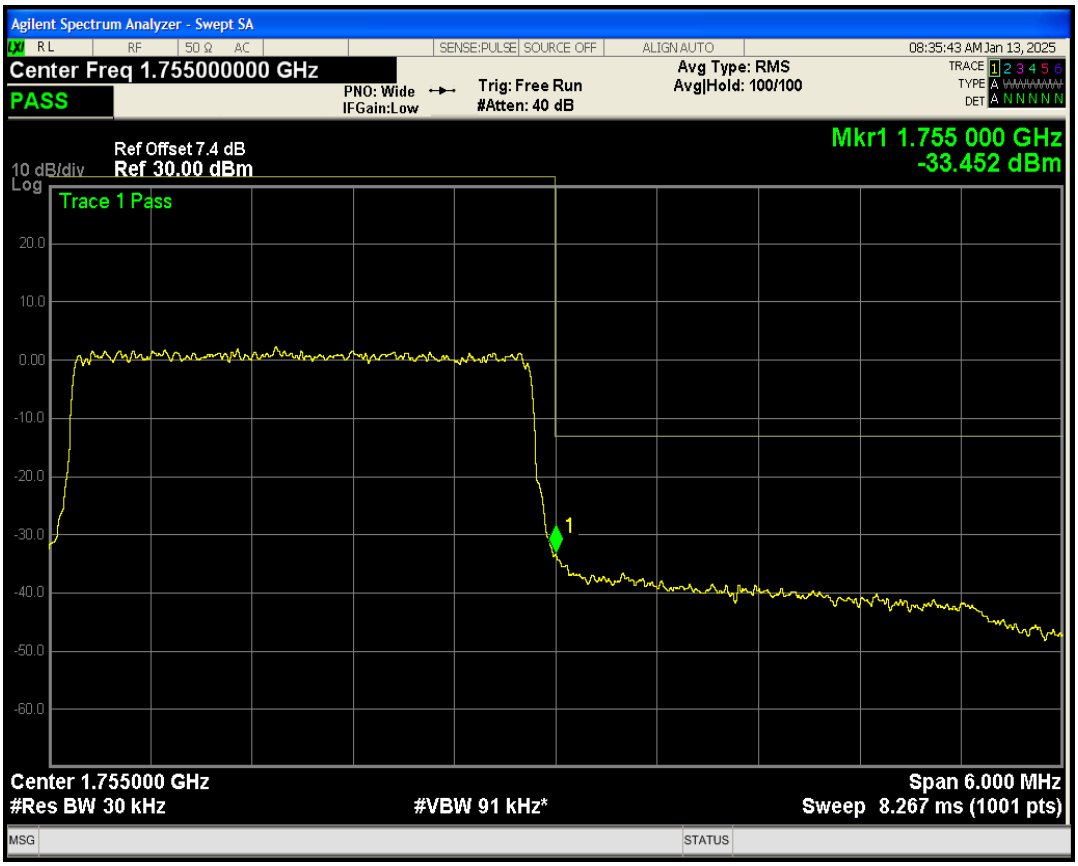
Band4 QAM16 BW=3MHz Channel=19965 RB Size=15 Position=#0



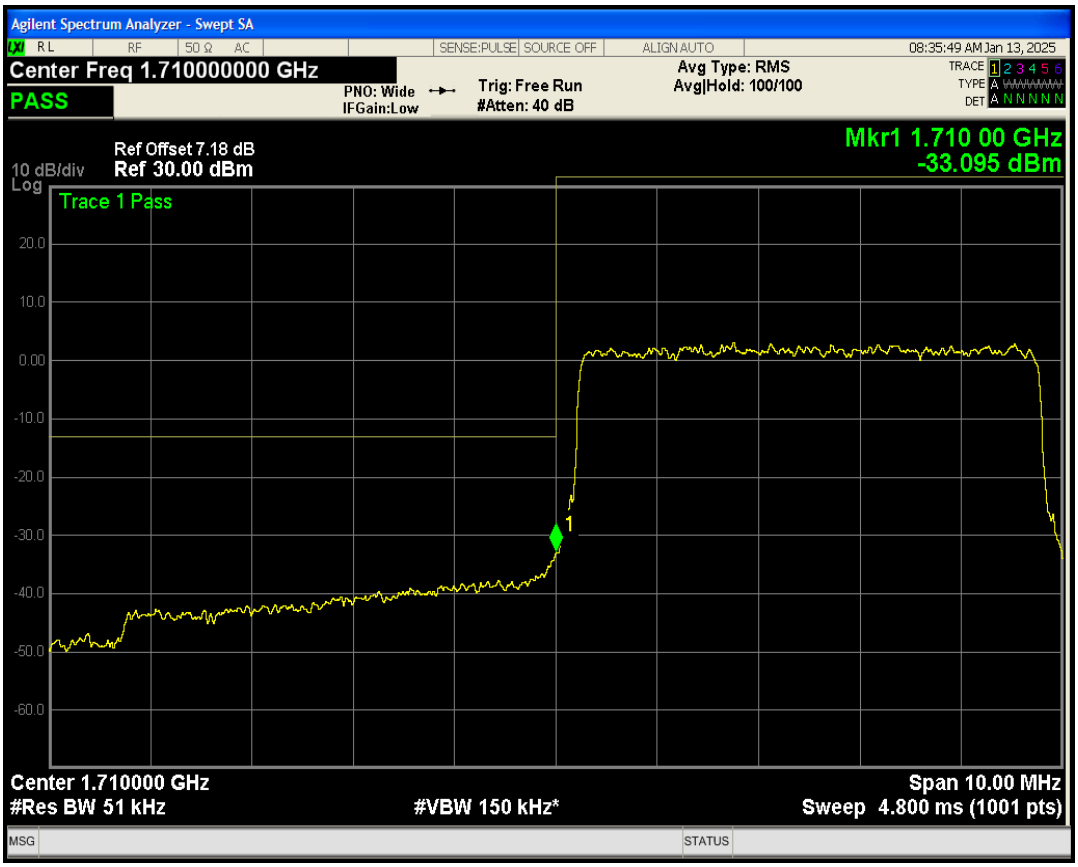

Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



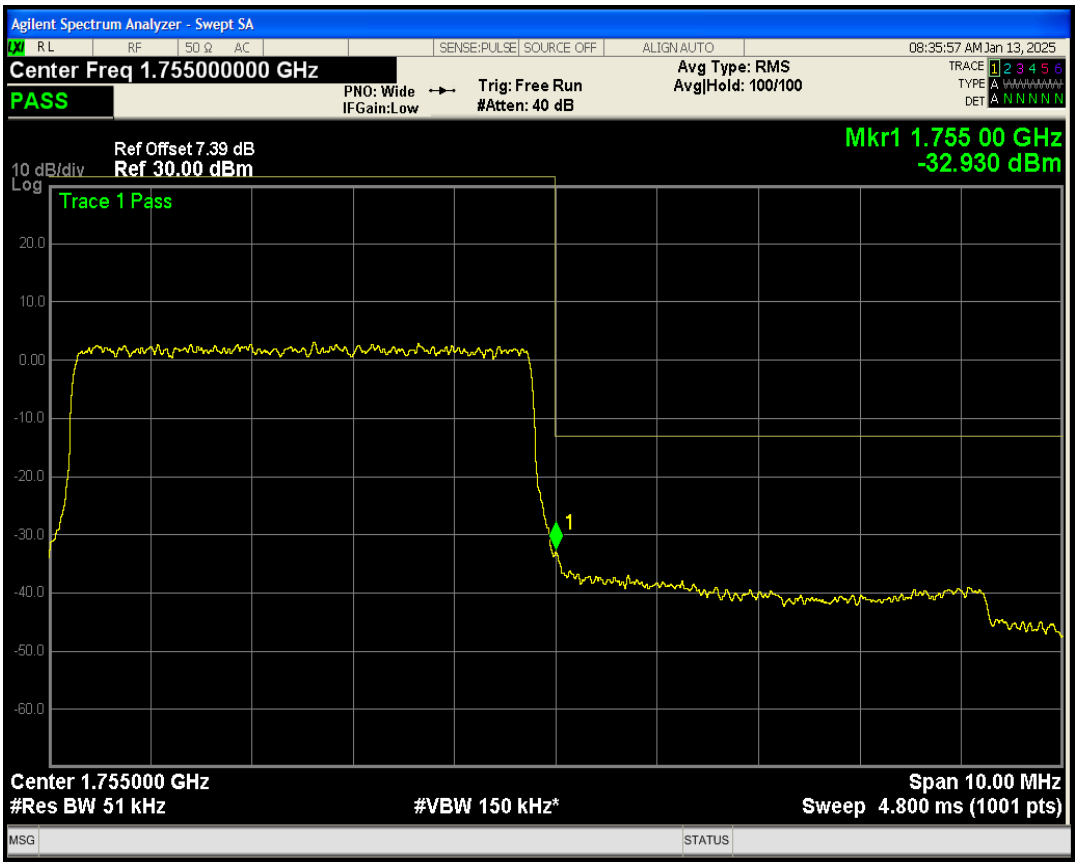

Band4 QAM16 BW=3MHz Channel=20385 RB Size=15 Position=#0



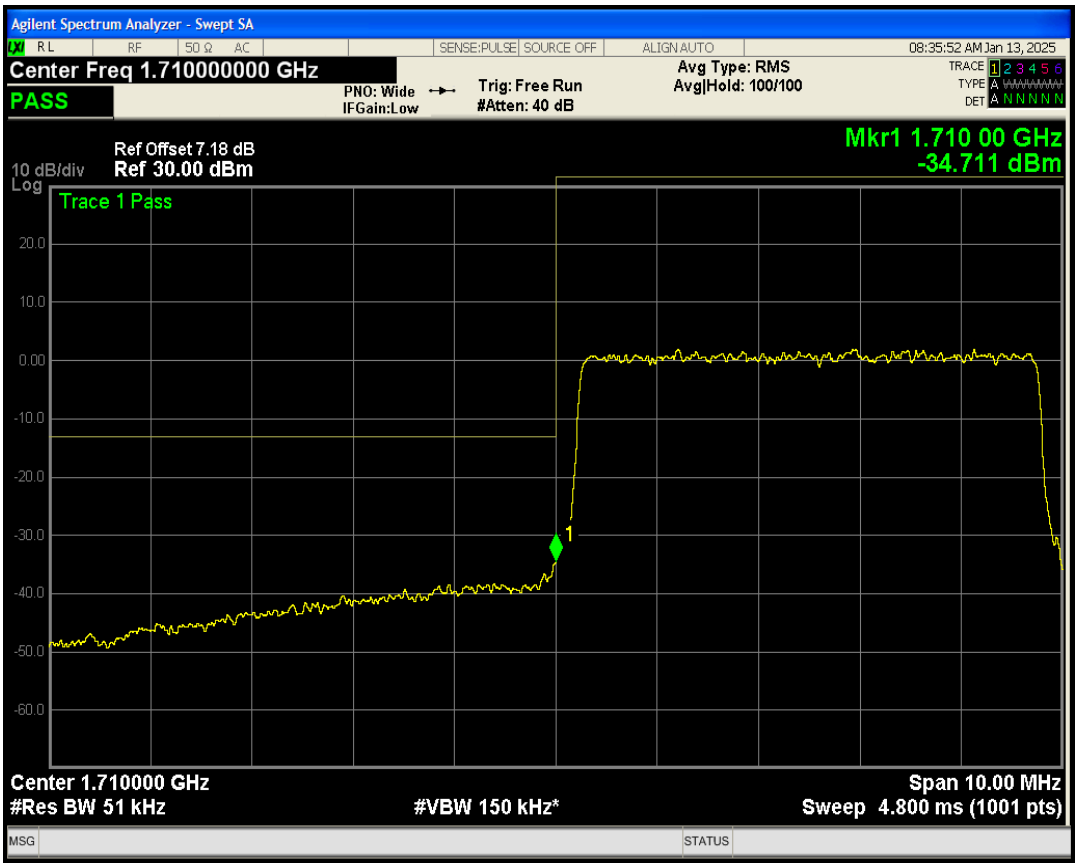

Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



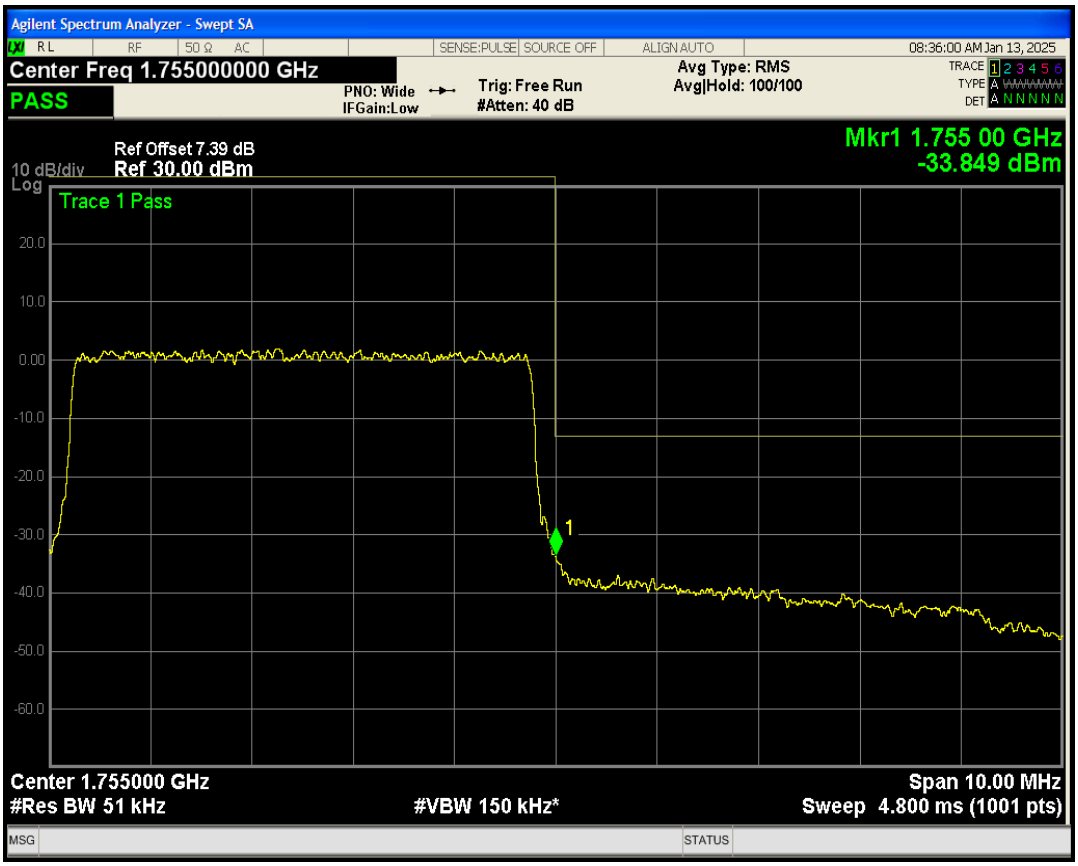

Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



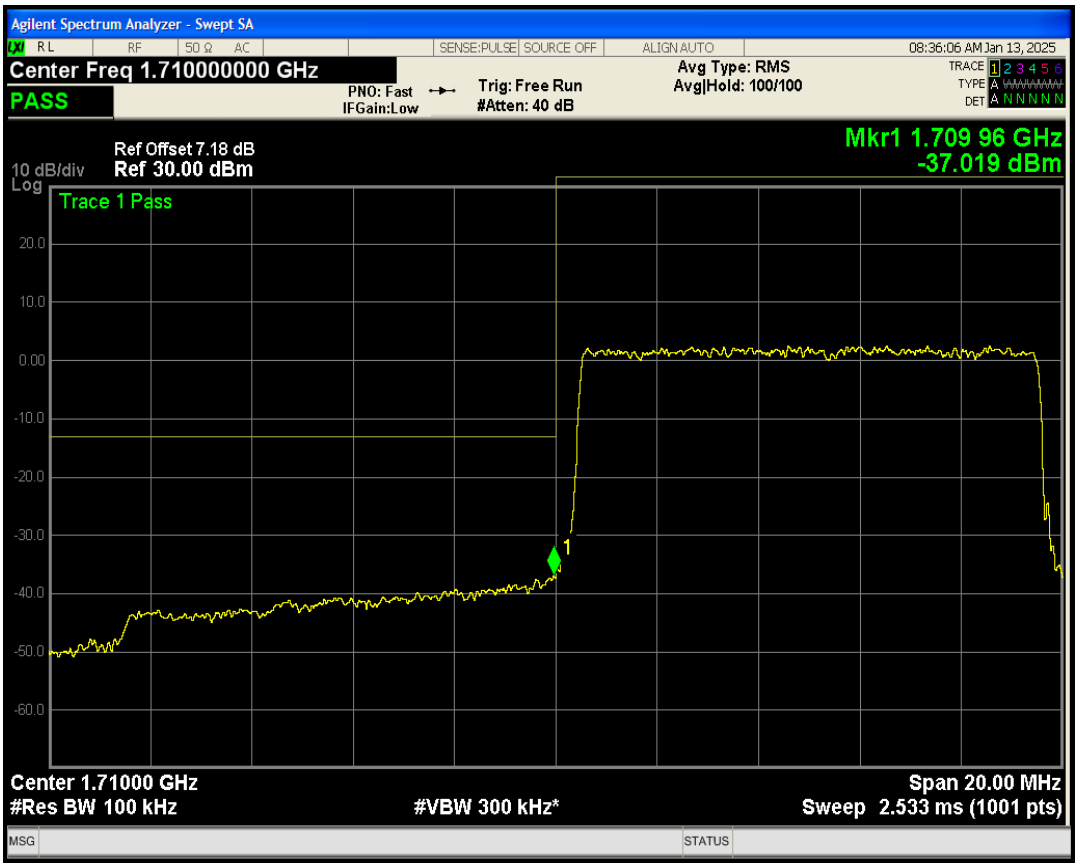

Band4 QAM16 BW=5MHz Channel=19975 RB Size=25 Position=#0



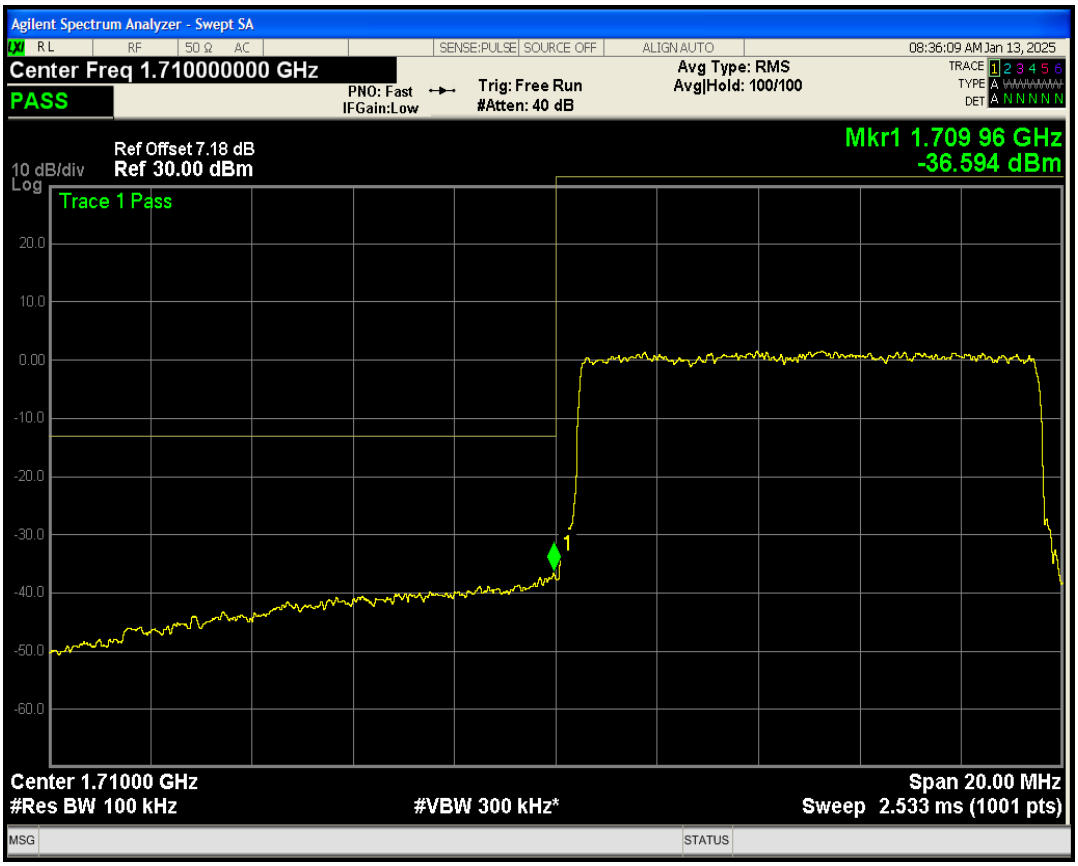

Band4 QAM16 BW=5MHz Channel=20375 RB Size=25 Position=#0



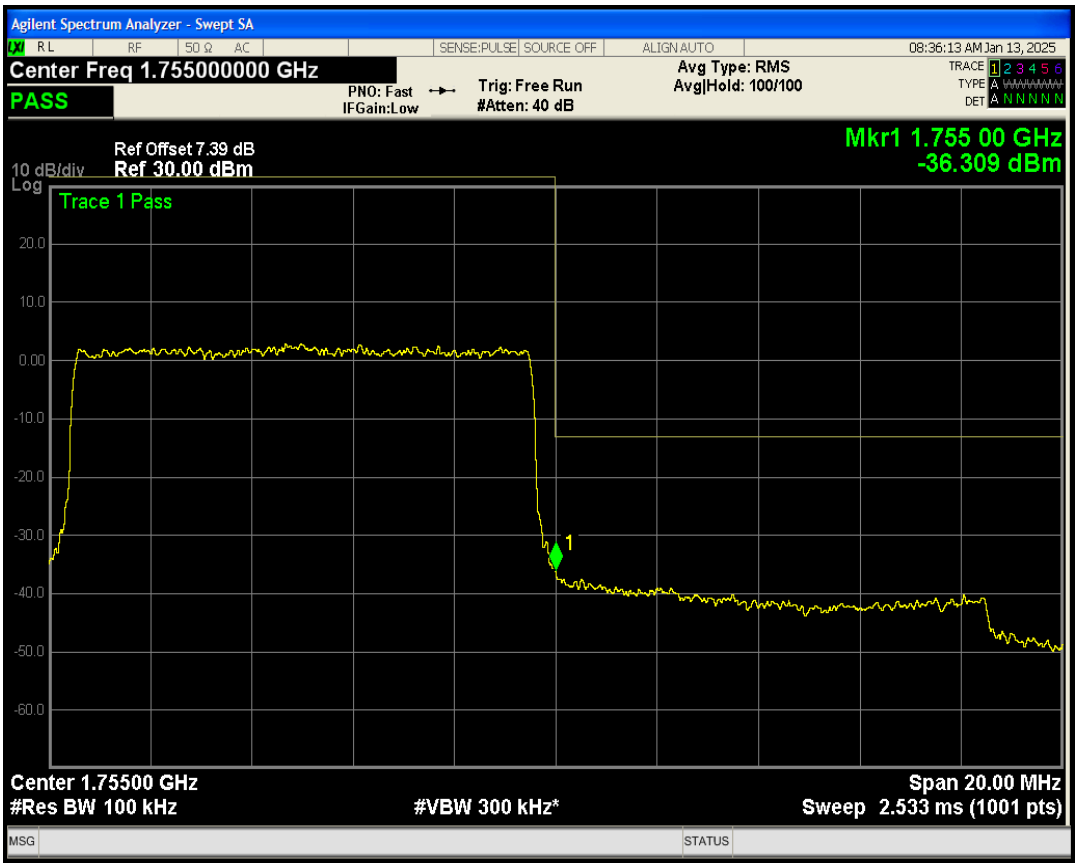

Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



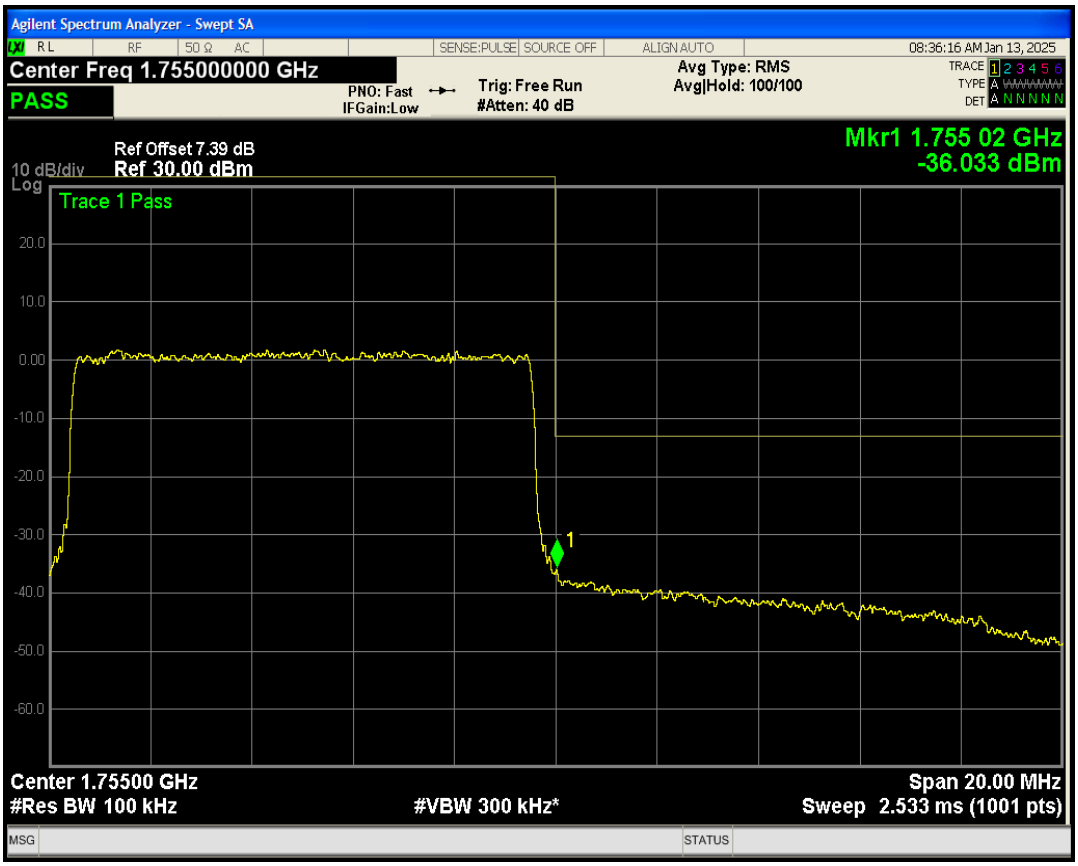

Band4 QAM16 BW=10MHz Channel=20000 RB Size=50 Position=#0



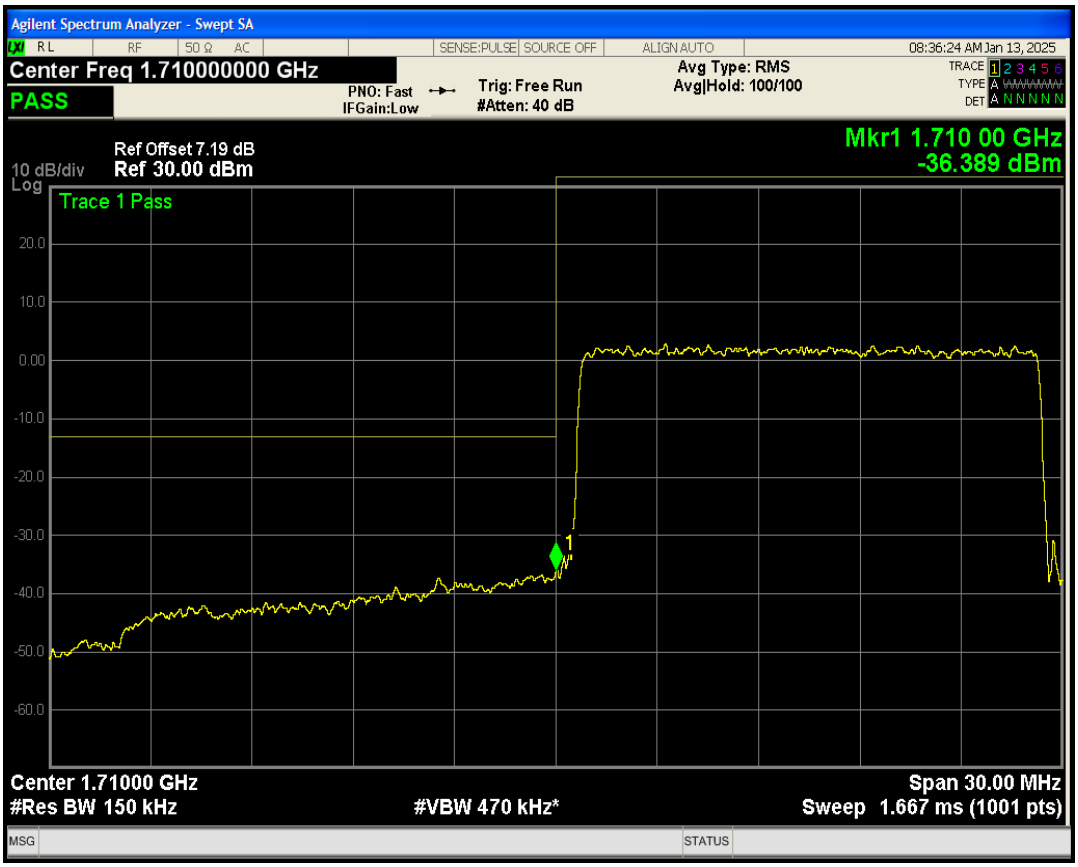

Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



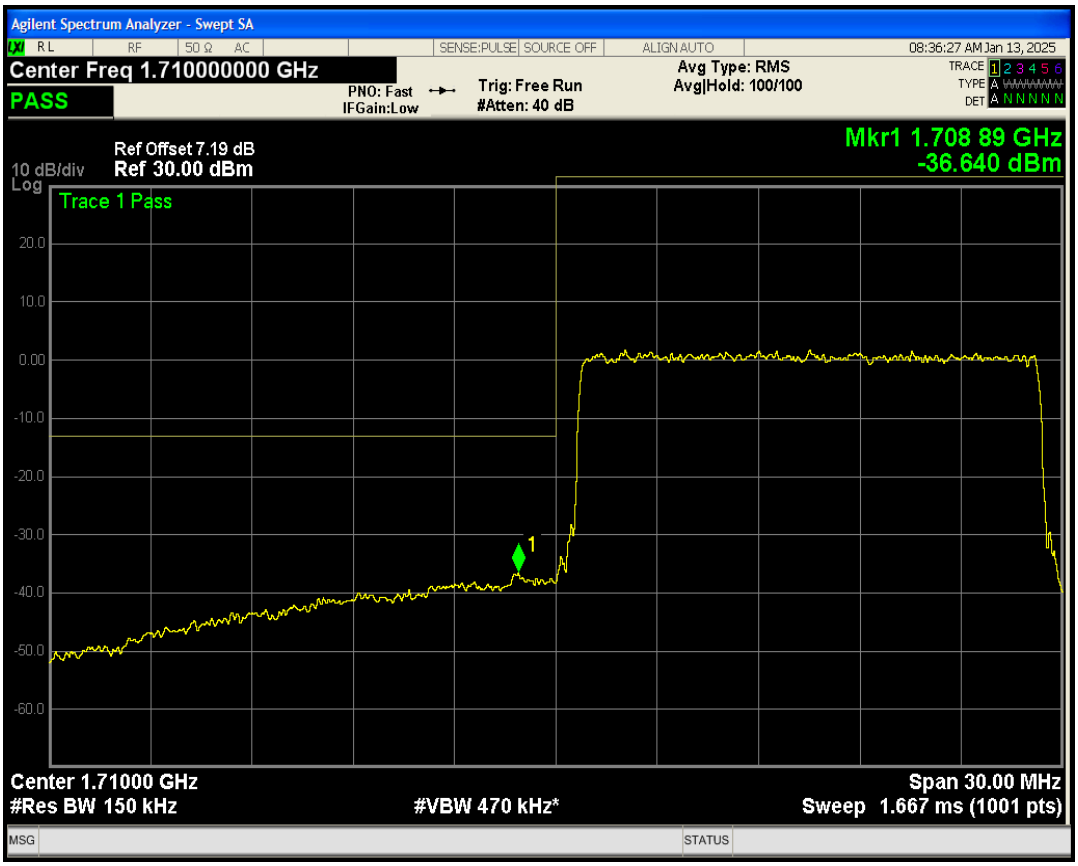

Band4 QAM16 BW=10MHz Channel=20350 RB Size=50 Position=#0



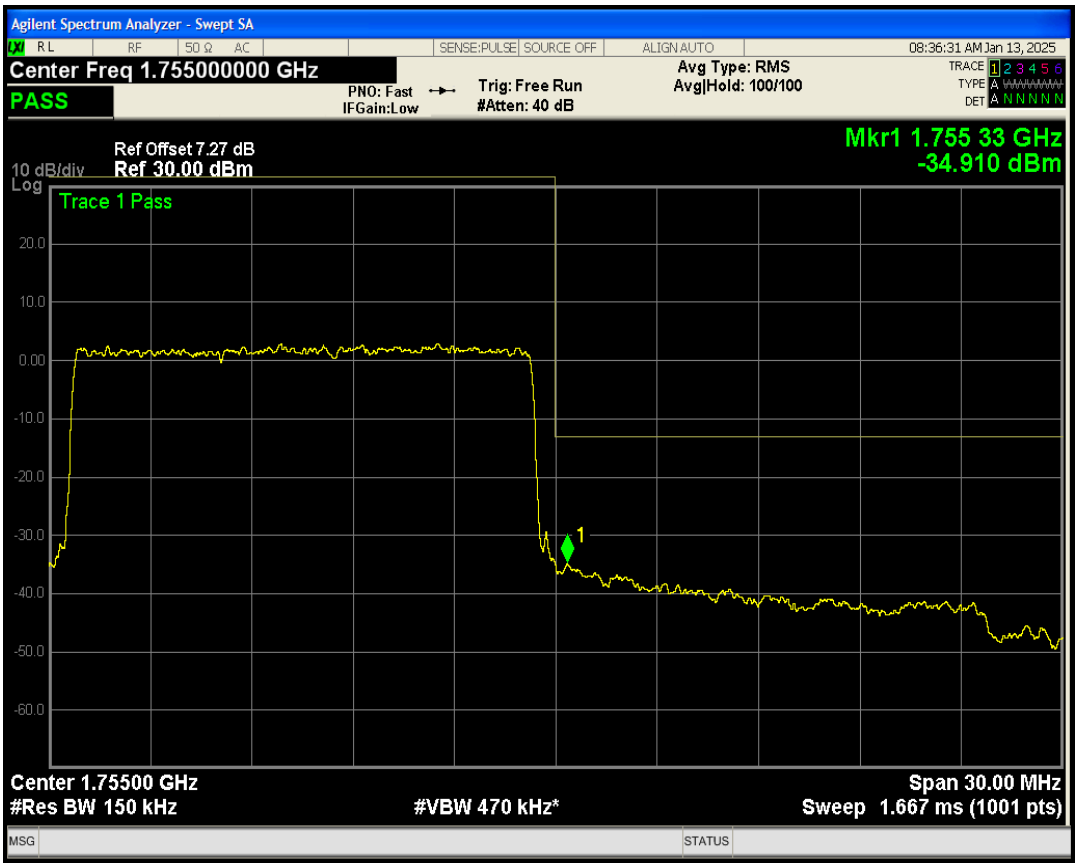

Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



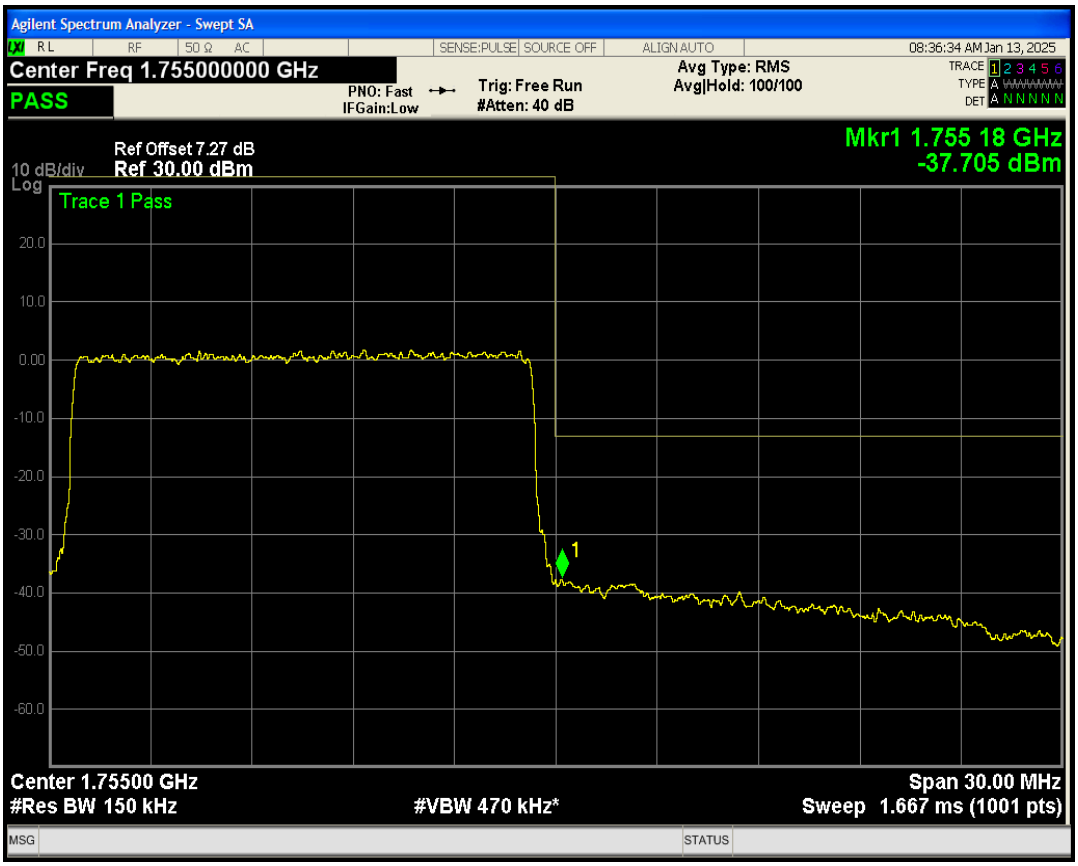

Band4 QAM16 BW=15MHz Channel=20025 RB Size=75 Position=#0



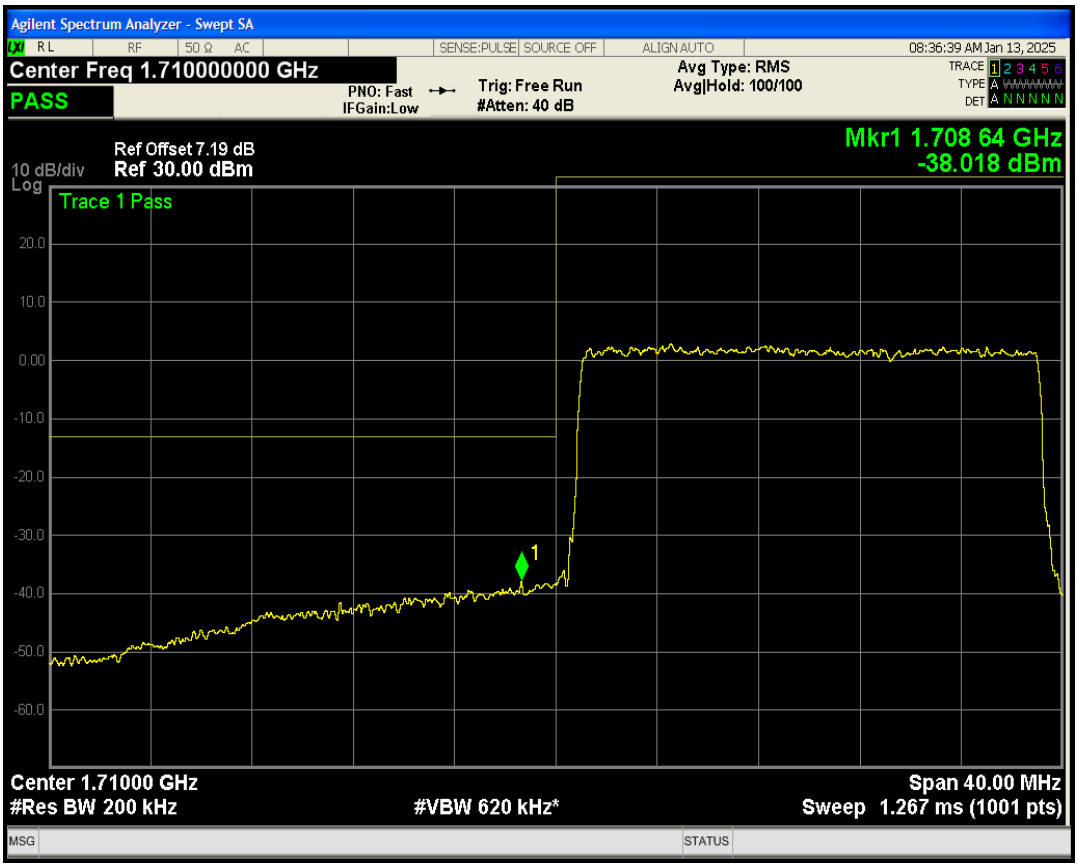

Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



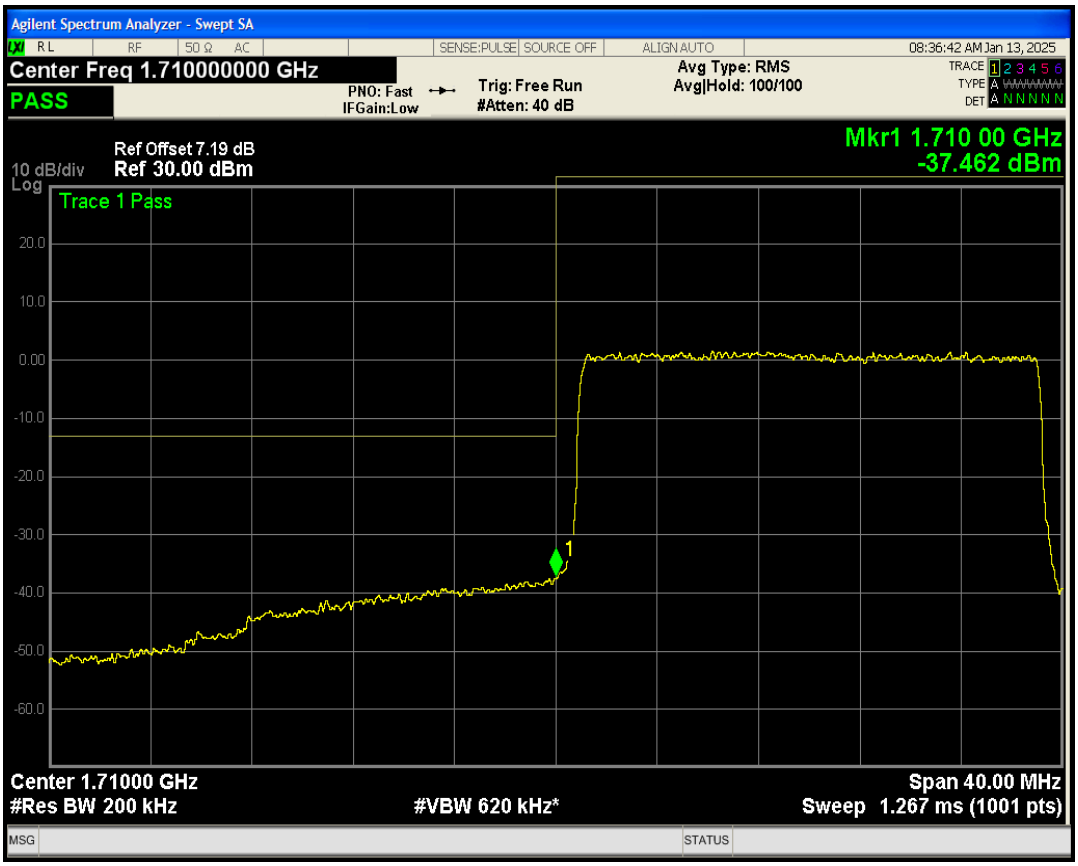

Band4 QAM16 BW=15MHz Channel=20325 RB Size=75 Position=#0



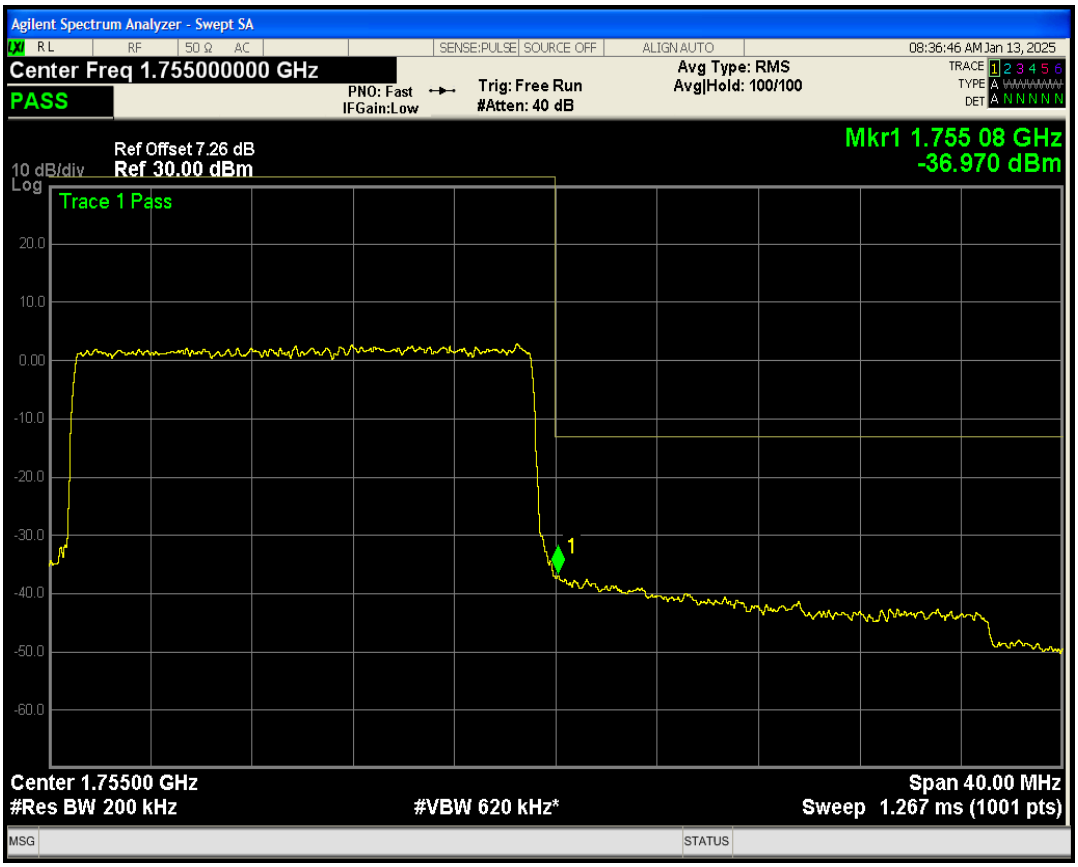

Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



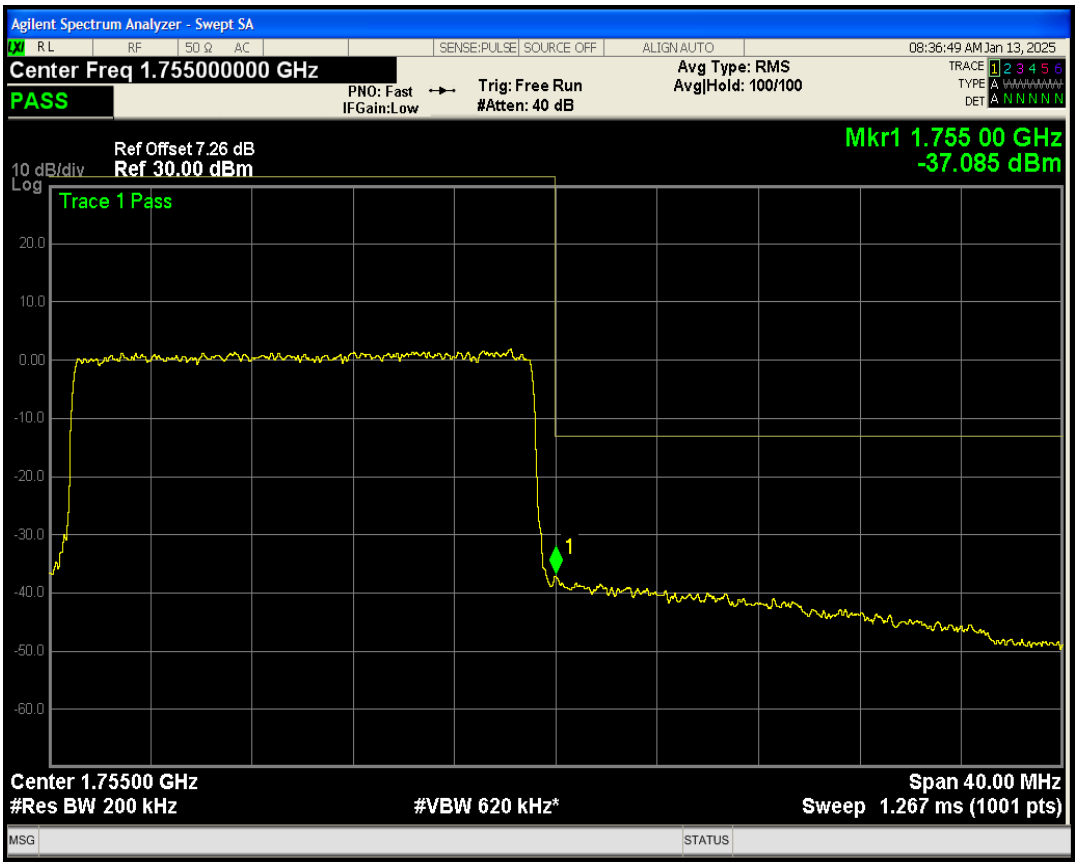

Band4 QAM16 BW=20MHz Channel=20050 RB Size=100 Position=#0



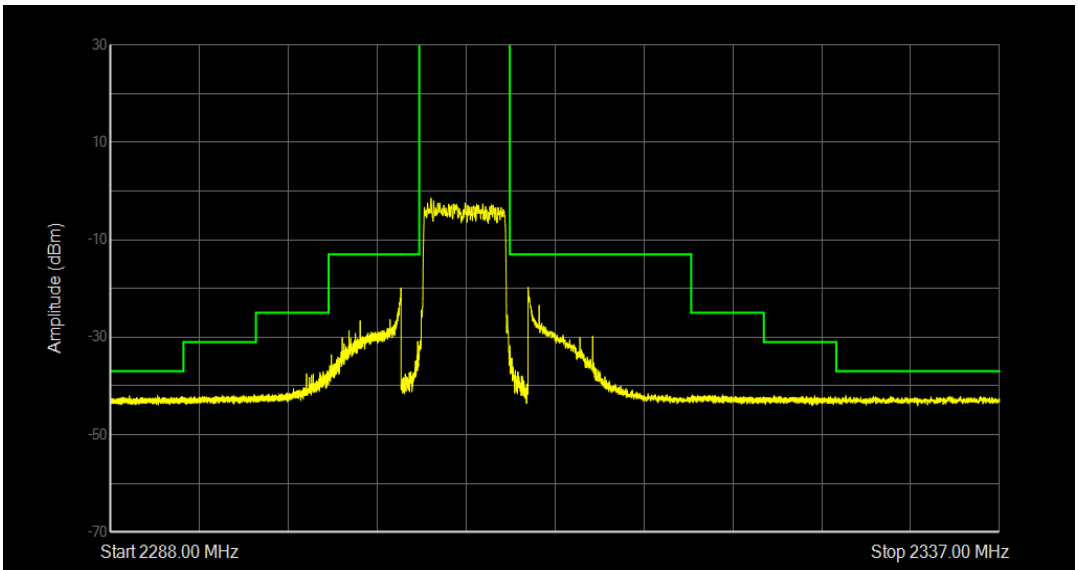

Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0




Band4 QAM16 BW=20MHz Channel=20300 RB Size=100 Position=#0

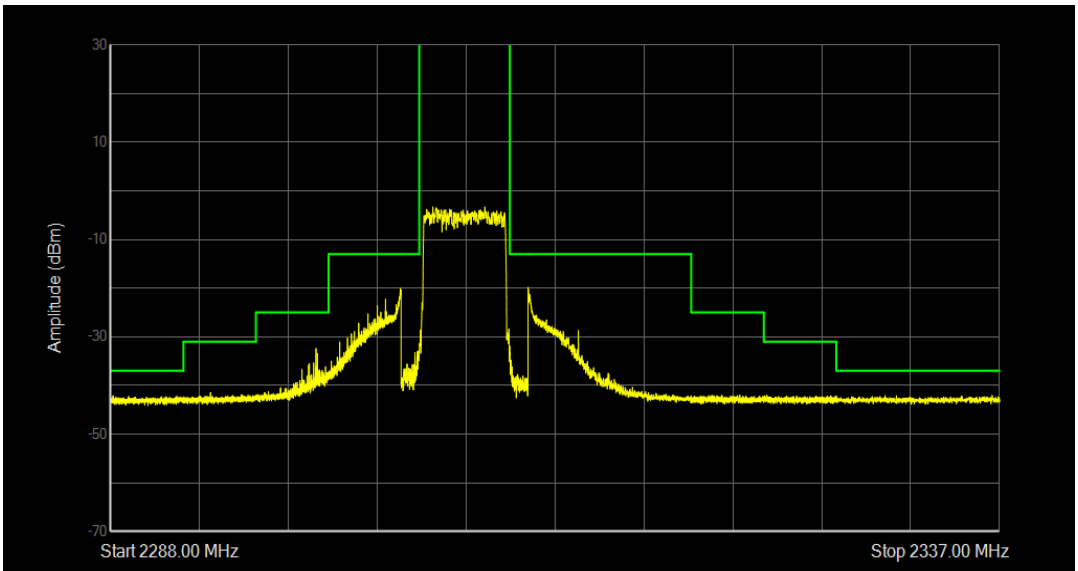



Band40a QPSK BW=5MHz Channel=38725 RB Size=25 Position=#0



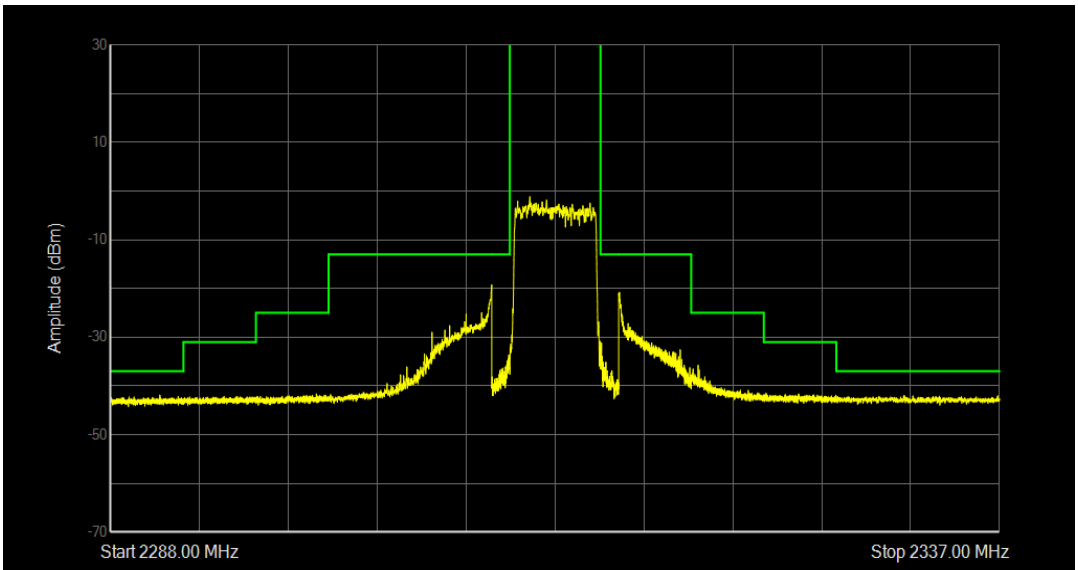

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2288 | 2292 | 1000 | 2290.584 | -42 | -37 |
| 2 | 2292 | 2296 | 1000 | 2295.9 | -41.84 | -31 |
| 3 | 2296 | 2300 | 1000 | 2299.916 | -36.92 | -25 |
| 4 | 2300 | 2304 | 1000 | 2303.992 | -19.88 | -13 |
| 5 | 2304 | 2305 | 51 | 2304.918 | -30.87 | -13 |
| 6 | 2310 | 2311 | 51 | 2310.006 | -32.77 | -13 |
| 7 | 2311 | 2320 | 1000 | 2311.009 | -19.96 | -13 |
| 8 | 2320 | 2324 | 1000 | 2321.74 | -41.83 | -25 |
| 9 | 2324 | 2328 | 1000 | 2324.564 | -41.96 | -31 |
| 10 | 2328 | 2337 | 1000 | 2328.522 | -42.01 | -37 |

Band40a QAM16 BW=5MHz Channel=38725 RB Size=25 Position=#0



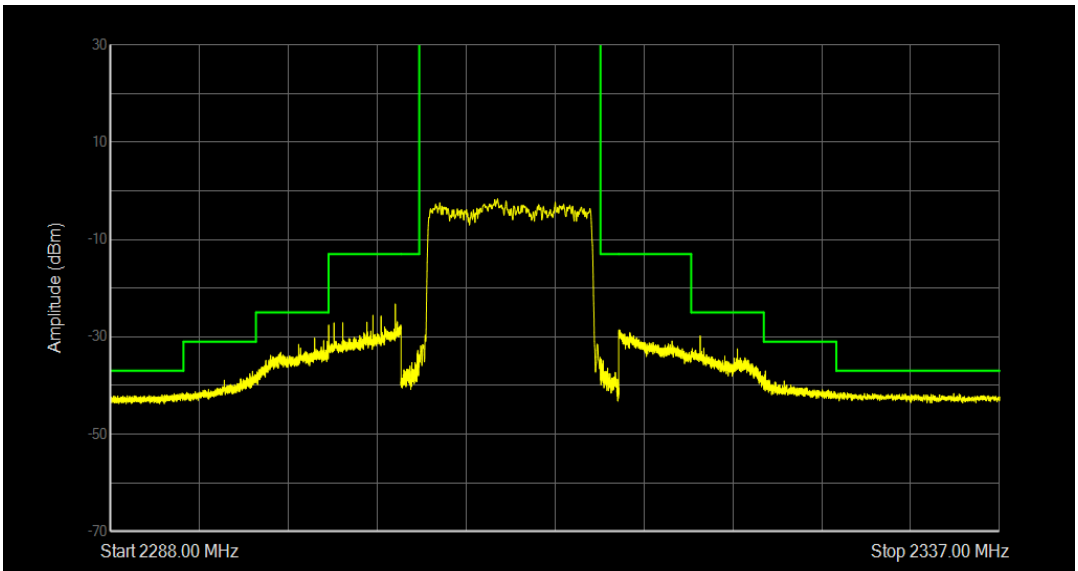

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2288 | 2292 | 1000 | 2288.128 | -42.1 | -37 |
| 2 | 2292 | 2296 | 1000 | 2293.492 | -41.43 | -31 |
| 3 | 2296 | 2300 | 1000 | 2299.308 | -32.39 | -25 |
| 4 | 2300 | 2304 | 1000 | 2303.964 | -20.05 | -13 |
| 5 | 2304 | 2305 | 51 | 2304.939 | -32.94 | -13 |
| 6 | 2310 | 2311 | 51 | 2310.007 | -33.18 | -13 |
| 7 | 2311 | 2320 | 1000 | 2311.018 | -20.29 | -13 |
| 8 | 2320 | 2324 | 1000 | 2321.672 | -41.97 | -25 |
| 9 | 2324 | 2328 | 1000 | 2324.172 | -42 | -31 |
| 10 | 2328 | 2337 | 1000 | 2336.595 | -42.04 | -37 |

Band40a QPSK BW=5MHz Channel=38775 RB Size=25 Position=#0



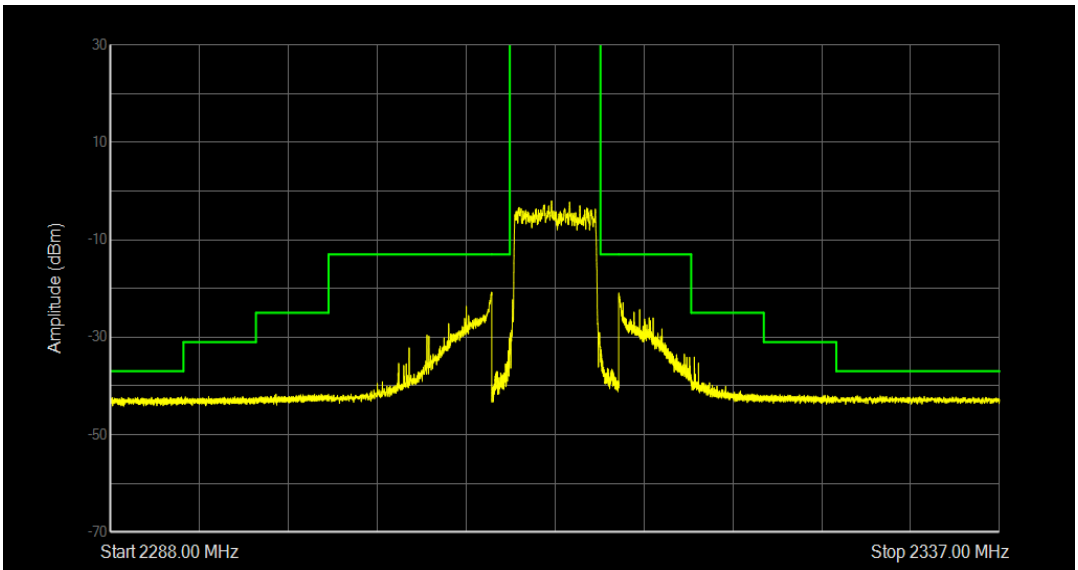

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2288 | 2292 | 1000 | 2290.7 | -41.89 | -37 |
| 2 | 2292 | 2296 | 1000 | 2294.24 | -42.15 | -31 |
| 3 | 2296 | 2300 | 1000 | 2299.332 | -41.64 | -25 |
| 4 | 2300 | 2309 | 1000 | 2309 | -19.24 | -13 |
| 5 | 2309 | 2310 | 51 | 2309.944 | -33.64 | -13 |
| 6 | 2315 | 2316 | 51 | 2315.049 | -31.17 | -13 |
| 7 | 2316 | 2320 | 1000 | 2316.04 | -20.78 | -13 |
| 8 | 2320 | 2324 | 1000 | 2320.376 | -35.77 | -25 |
| 9 | 2324 | 2328 | 1000 | 2324.124 | -41.49 | -31 |
| 10 | 2328 | 2337 | 1000 | 2331.744 | -41.97 | -37 |

Band40a QPSK BW=10MHz Channel=38750 RB Size=50 Position=#0



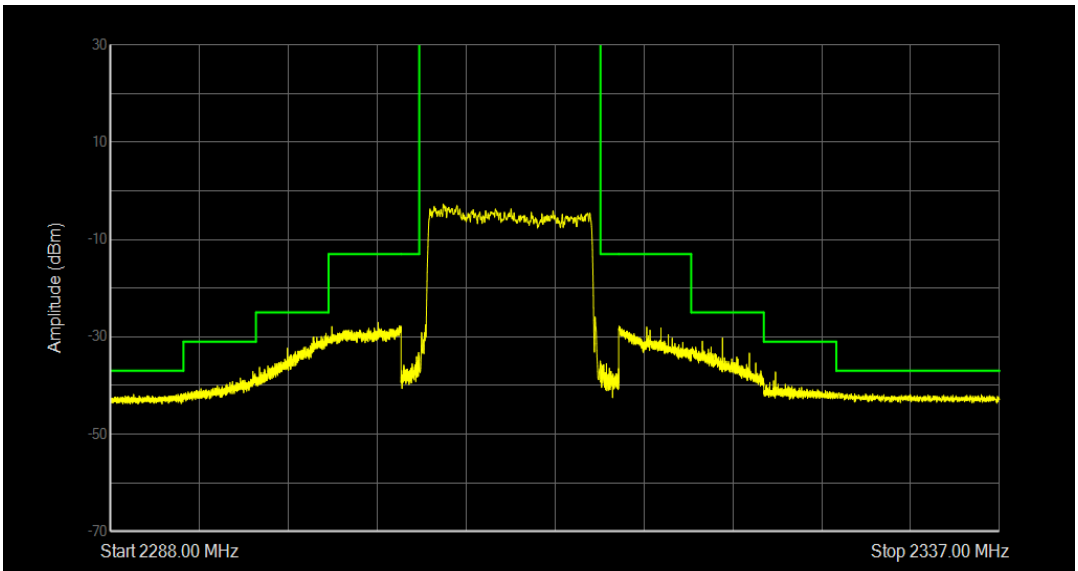

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2288 | 2292 | 1000 | 2291.932 | -41.59 | -37 |
| 2 | 2292 | 2296 | 1000 | 2295.808 | -37.08 | -31 |
| 3 | 2296 | 2300 | 1000 | 2299.232 | -30.27 | -25 |
| 4 | 2300 | 2304 | 1000 | 2303.68 | -23.26 | -13 |
| 5 | 2304 | 2305 | 100 | 2304.921 | -32.79 | -13 |
| 6 | 2315 | 2316 | 100 | 2315.016 | -34.57 | -13 |
| 7 | 2316 | 2320 | 1000 | 2316.02 | -28.57 | -13 |
| 8 | 2320 | 2324 | 1000 | 2320.492 | -29.81 | -25 |
| 9 | 2324 | 2328 | 1000 | 2324.088 | -37.02 | -31 |
| 10 | 2328 | 2337 | 1000 | 2328.441 | -41.46 | -37 |

Band40a QAM16 BW=5MHz Channel=38775 RB Size=25 Position=#0



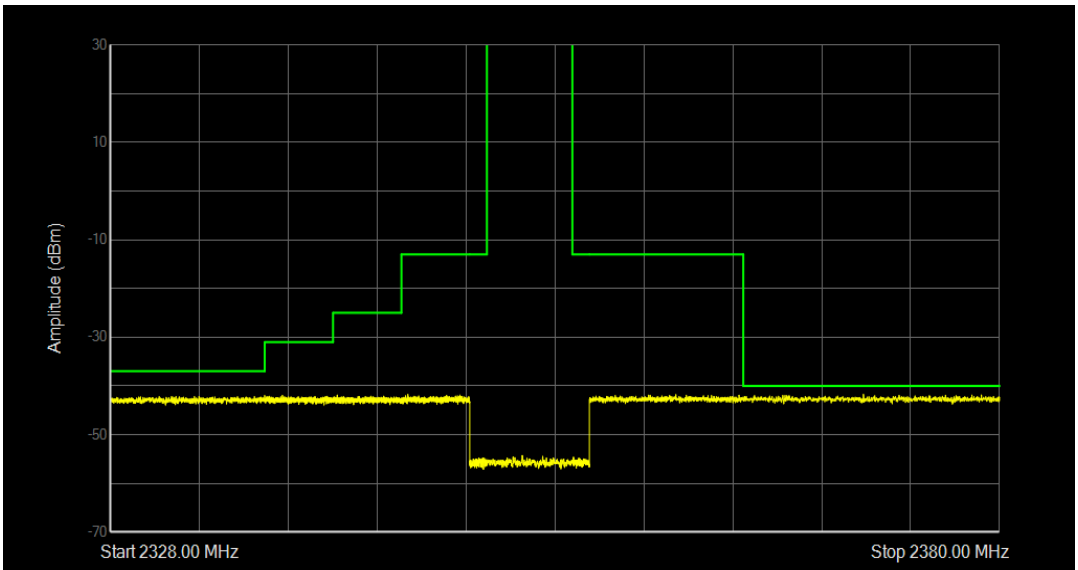

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2288 | 2292 | 1000 | 2291.896 | -42.29 | -37 |
| 2 | 2292 | 2296 | 1000 | 2293.392 | -42.18 | -31 |
| 3 | 2296 | 2300 | 1000 | 2297.104 | -41.7 | -25 |
| 4 | 2300 | 2309 | 1000 | 2309 | -20.75 | -13 |
| 5 | 2309 | 2310 | 51 | 2309.972 | -30.29 | -13 |
| 6 | 2315 | 2316 | 51 | 2315.018 | -32.6 | -13 |
| 7 | 2316 | 2320 | 1000 | 2316.008 | -20.94 | -13 |
| 8 | 2320 | 2324 | 1000 | 2320.168 | -34.09 | -25 |
| 9 | 2324 | 2328 | 1000 | 2324.888 | -41.8 | -31 |
| 10 | 2328 | 2337 | 1000 | 2329.152 | -42.05 | -37 |

Band40a QAM16 BW=10MHz Channel=38750 RB Size=50 Position=#0



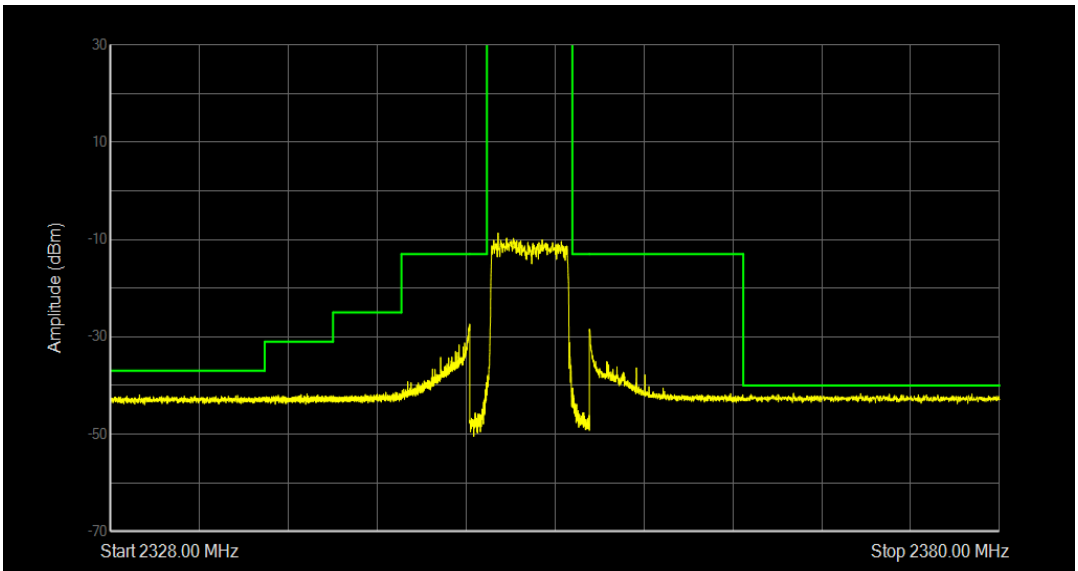

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2288 | 2292 | 1000 | 2291.892 | -41.74 | -37 |
| 2 | 2292 | 2296 | 1000 | 2295.832 | -37.11 | -31 |
| 3 | 2296 | 2300 | 1000 | 2299.86 | -29.26 | -25 |
| 4 | 2300 | 2304 | 1000 | 2302.74 | -27.07 | -13 |
| 5 | 2304 | 2305 | 100 | 2304.964 | -33.24 | -13 |
| 6 | 2315 | 2316 | 100 | 2315.323 | -35.51 | -13 |
| 7 | 2316 | 2320 | 1000 | 2316.02 | -27.81 | -13 |
| 8 | 2320 | 2324 | 1000 | 2321.724 | -30.23 | -25 |
| 9 | 2324 | 2328 | 1000 | 2324.644 | -37.22 | -31 |
| 10 | 2328 | 2337 | 1000 | 2328.153 | -41.47 | -37 |

Band40b QAM16 BW=5MHz Channel=39175 RB Size=25 Position=#0



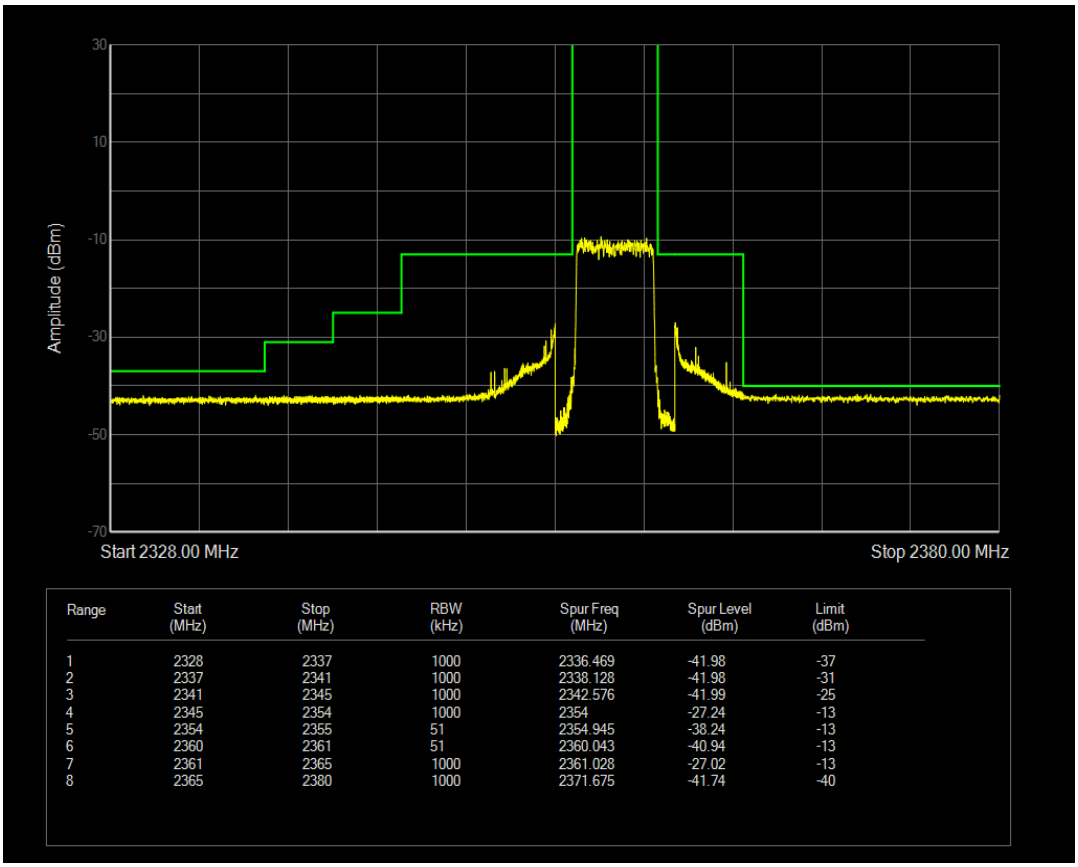

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2328 | 2337 | 1000 | 2337 | -41.97 | -37 |
| 2 | 2337 | 2341 | 1000 | 2338.036 | -41.92 | -31 |
| 3 | 2341 | 2345 | 1000 | 2341.244 | -41.87 | -25 |
| 4 | 2345 | 2349 | 1000 | 2345.376 | -41.73 | -13 |
| 5 | 2349 | 2350 | 51 | 2349.772 | -54.77 | -13 |
| 6 | 2355 | 2356 | 51 | 2355.071 | -54.67 | -13 |
| 7 | 2356 | 2365 | 1000 | 2361.058 | -41.79 | -13 |
| 8 | 2365 | 2380 | 1000 | 2372.035 | -41.72 | -40 |

Band40b QPSK BW=5MHz Channel=39175 RB Size=25 Position=#0



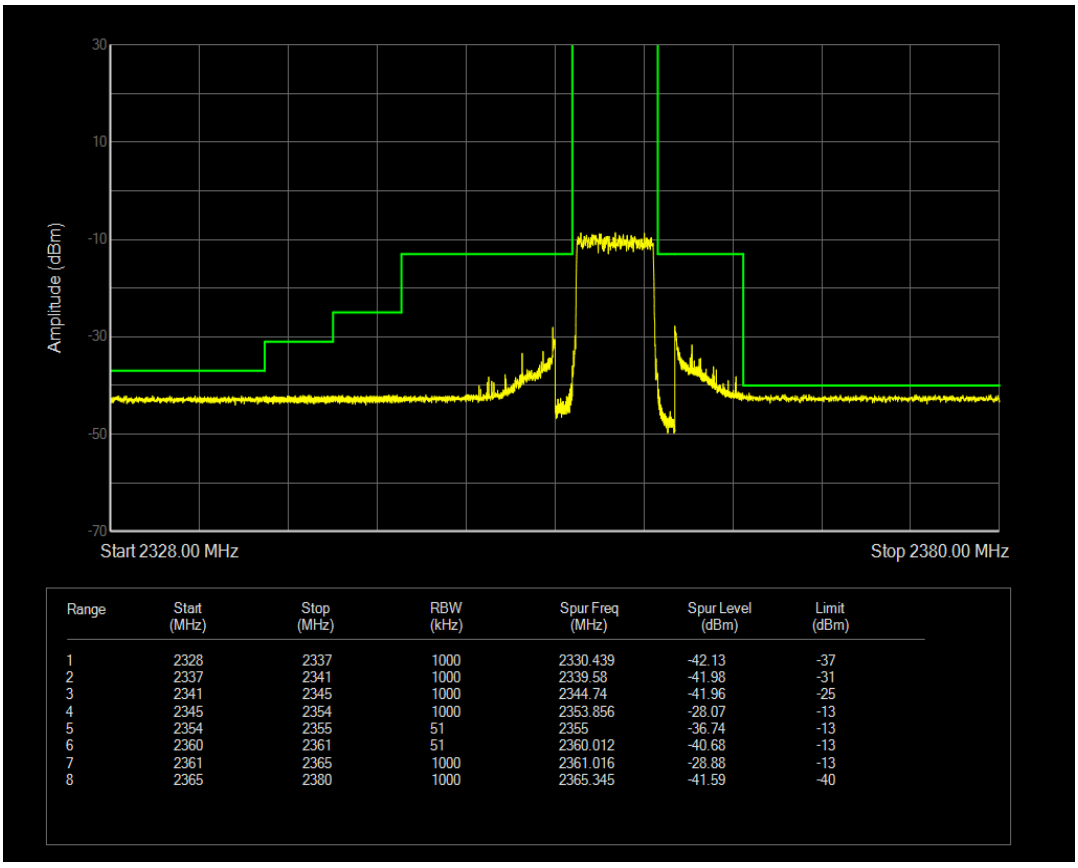

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2328 | 2337 | 1000 | 2329.674 | -41.93 | -37 |
| 2 | 2337 | 2341 | 1000 | 2339.476 | -41.74 | -31 |
| 3 | 2341 | 2345 | 1000 | 2344.092 | -41.4 | -25 |
| 4 | 2345 | 2349 | 1000 | 2349 | -27.4 | -13 |
| 5 | 2349 | 2350 | 51 | 2349.974 | -39.44 | -13 |
| 6 | 2355 | 2356 | 51 | 2355.013 | -40.54 | -13 |
| 7 | 2356 | 2365 | 1000 | 2356.018 | -28.53 | -13 |
| 8 | 2365 | 2380 | 1000 | 2367.94 | -41.61 | -40 |

Band40b QPSK BW=5MHz Channel=39225 RB Size=25 Position=#0



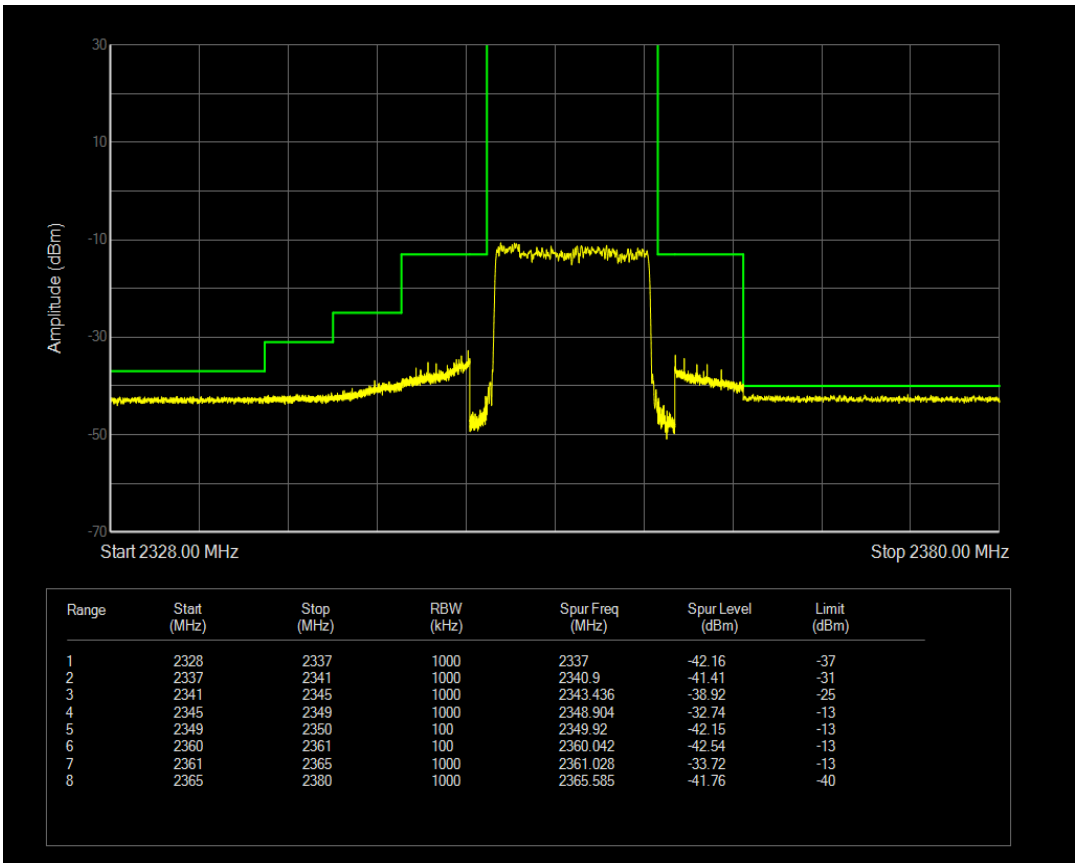

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2328 | 2337 | 1000 | 2336.469 | -41.98 | -37 |
| 2 | 2337 | 2341 | 1000 | 2338.128 | -41.98 | -31 |
| 3 | 2341 | 2345 | 1000 | 2342.576 | -41.99 | -25 |
| 4 | 2345 | 2354 | 1000 | 2354 | -27.24 | -13 |
| 5 | 2354 | 2355 | 51 | 2354.945 | -38.24 | -13 |
| 6 | 2360 | 2361 | 51 | 2360.043 | -40.94 | -13 |
| 7 | 2361 | 2365 | 1000 | 2361.028 | -27.02 | -13 |
| 8 | 2365 | 2380 | 1000 | 2371.675 | -41.74 | -40 |

Band40b QAM16 BW=5MHz Channel=39225 RB Size=25 Position=#0



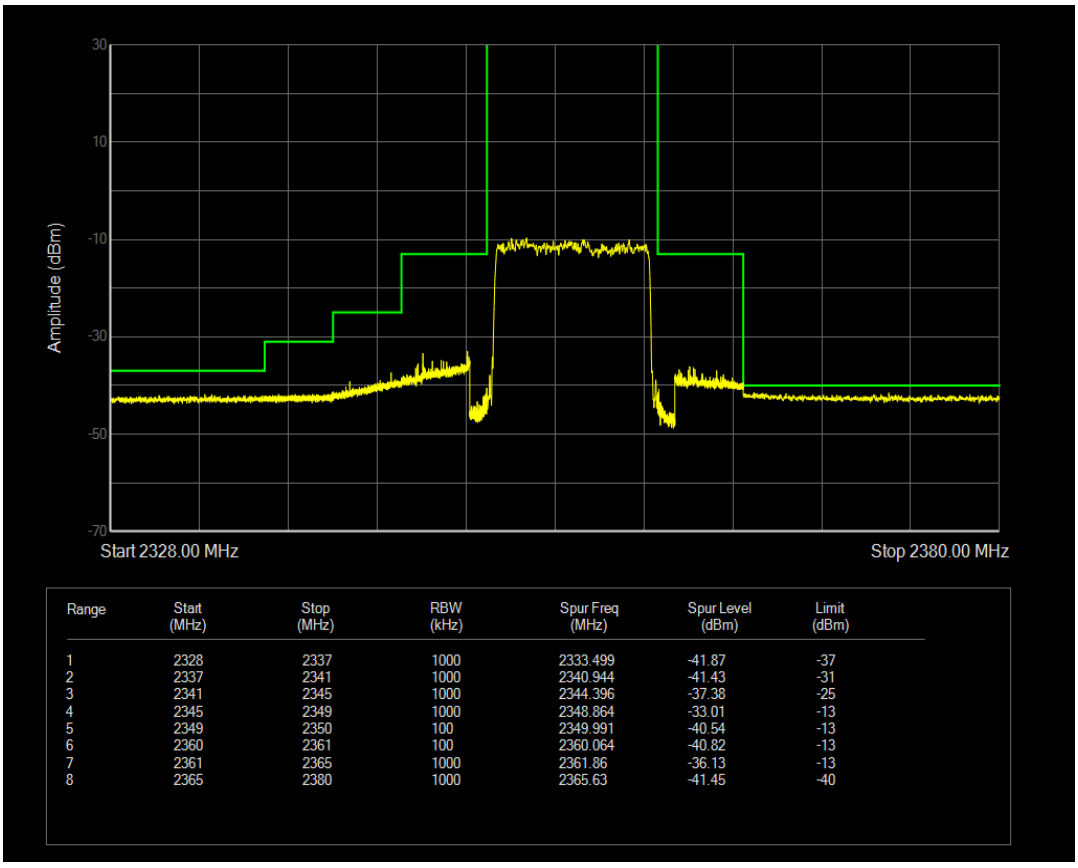

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2328 | 2337 | 1000 | 2330.439 | -42.13 | -37 |
| 2 | 2337 | 2341 | 1000 | 2339.58 | -41.98 | -31 |
| 3 | 2341 | 2345 | 1000 | 2344.74 | -41.96 | -25 |
| 4 | 2345 | 2354 | 1000 | 2353.856 | -28.07 | -13 |
| 5 | 2354 | 2355 | 51 | 2355 | -36.74 | -13 |
| 6 | 2360 | 2361 | 51 | 2360.012 | -40.68 | -13 |
| 7 | 2361 | 2365 | 1000 | 2361.016 | -28.88 | -13 |
| 8 | 2365 | 2380 | 1000 | 2365.345 | -41.59 | -40 |

Band40b QAM16 BW=10MHz Channel=39200 RB Size=50 Position=#0



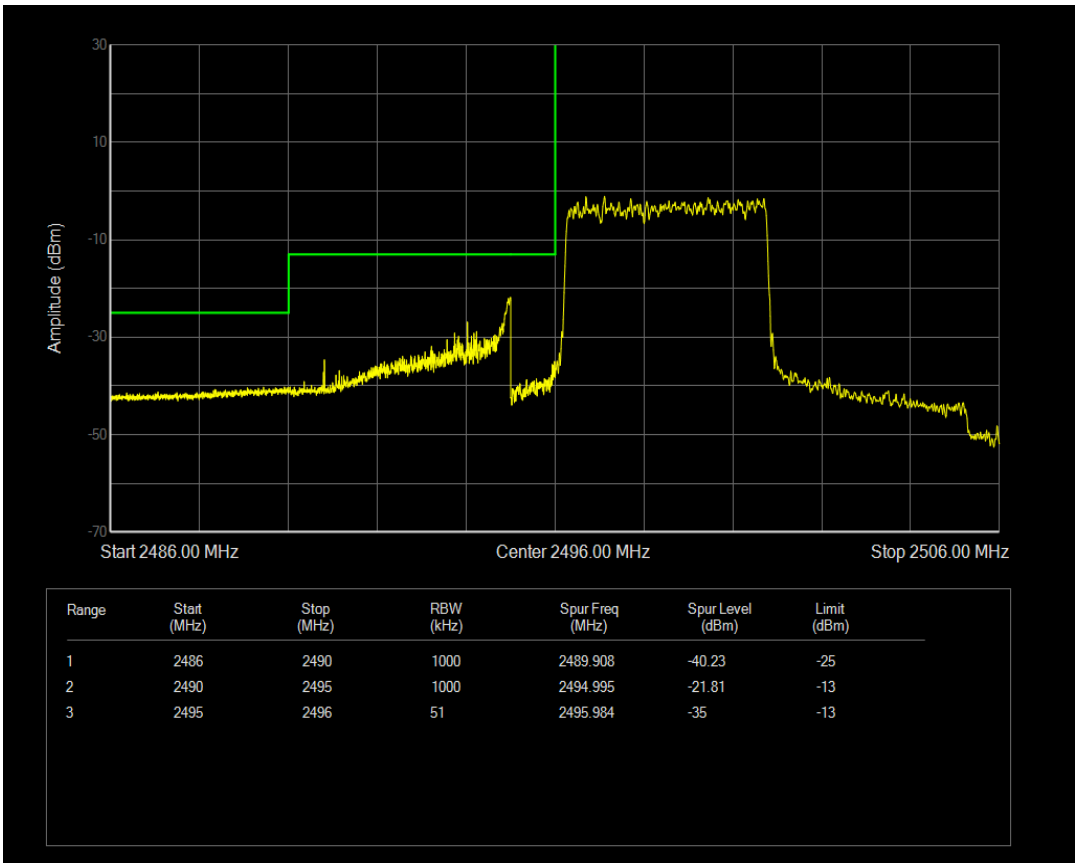

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2328 | 2337 | 1000 | 2337 | -42.16 | -37 |
| 2 | 2337 | 2341 | 1000 | 2340.9 | -41.41 | -31 |
| 3 | 2341 | 2345 | 1000 | 2343.436 | -38.92 | -25 |
| 4 | 2345 | 2349 | 1000 | 2348.904 | -32.74 | -13 |
| 5 | 2349 | 2350 | 100 | 2349.92 | -42.15 | -13 |
| 6 | 2360 | 2361 | 100 | 2360.042 | -42.54 | -13 |
| 7 | 2361 | 2365 | 1000 | 2361.028 | -33.72 | -13 |
| 8 | 2365 | 2380 | 1000 | 2365.585 | -41.76 | -40 |

Band40b QPSK BW=10MHz Channel=39200 RB Size=50 Position=#0



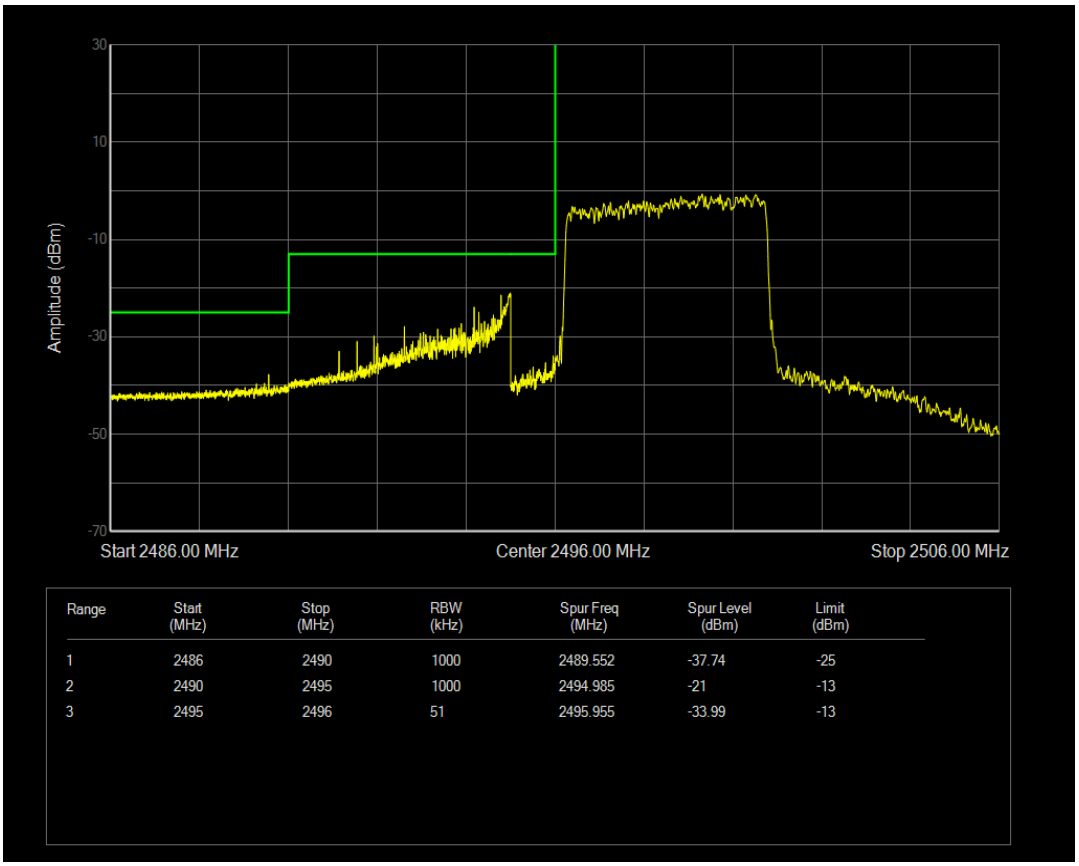

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2328 | 2337 | 1000 | 2333.499 | -41.87 | -37 |
| 2 | 2337 | 2341 | 1000 | 2340.944 | -41.43 | -31 |
| 3 | 2341 | 2345 | 1000 | 2344.396 | -37.38 | -25 |
| 4 | 2345 | 2349 | 1000 | 2348.864 | -33.01 | -13 |
| 5 | 2349 | 2350 | 100 | 2349.991 | -40.54 | -13 |
| 6 | 2360 | 2361 | 100 | 2360.064 | -40.82 | -13 |
| 7 | 2361 | 2365 | 1000 | 2361.86 | -36.13 | -13 |
| 8 | 2365 | 2380 | 1000 | 2365.63 | -41.45 | -40 |

Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0



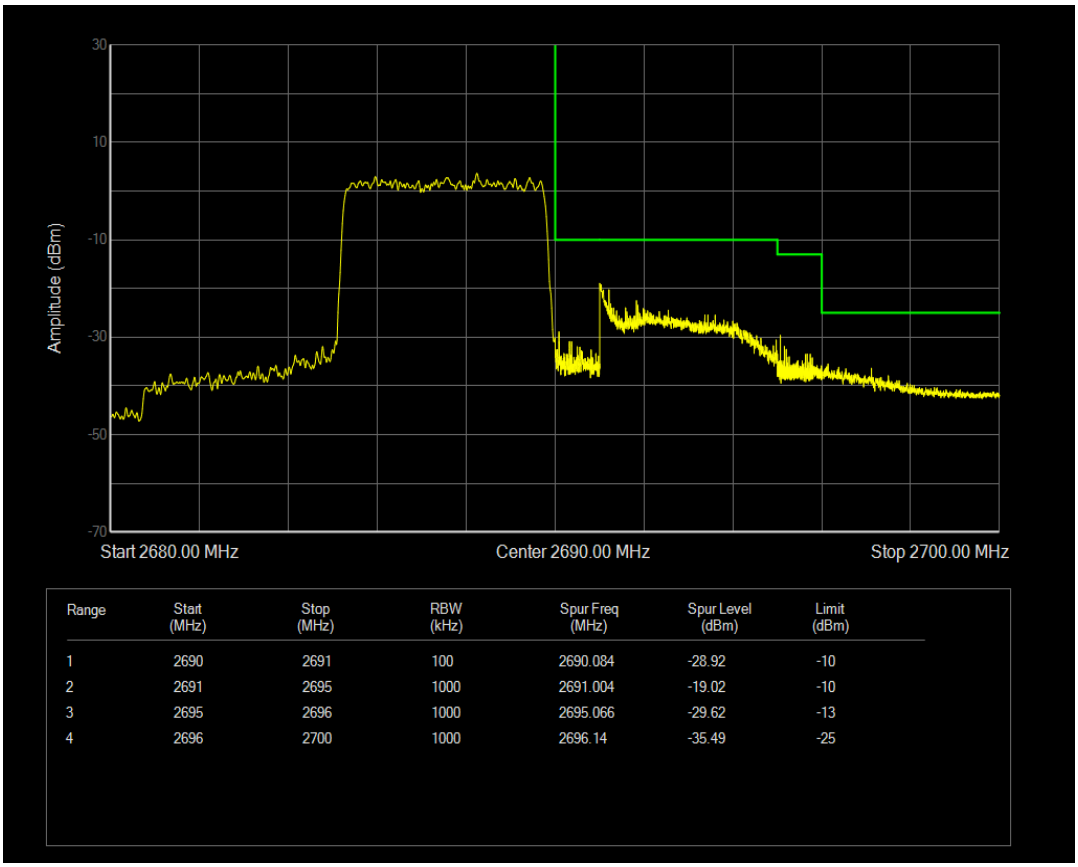

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2486 | 2490 | 1000 | 2489.908 | -40.23 | -25 |
| 2 | 2490 | 2495 | 1000 | 2494.995 | -21.81 | -13 |
| 3 | 2495 | 2496 | 51 | 2495.984 | -35 | -13 |

Band41 QAM16 BW=5MHz Channel=39675 RB Size=25 Position=#0



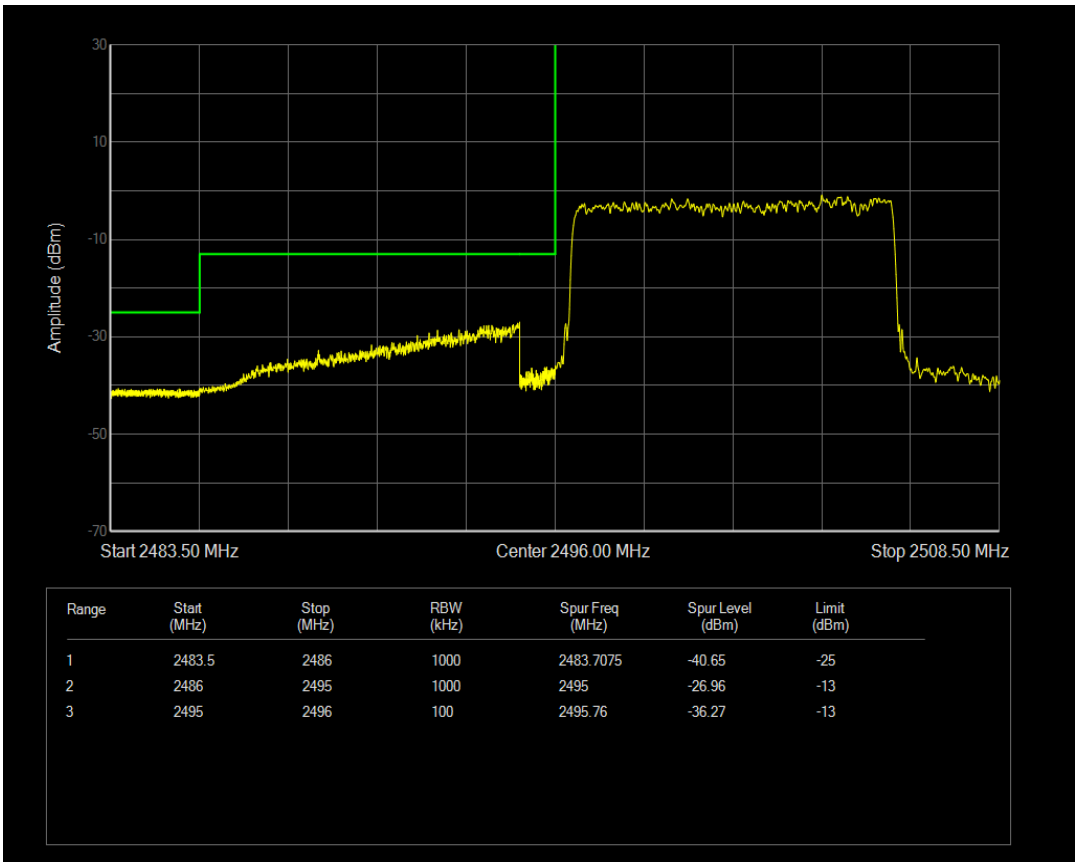

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2486 | 2490 | 1000 | 2489.552 | -37.74 | -25 |
| 2 | 2490 | 2495 | 1000 | 2494.985 | -21 | -13 |
| 3 | 2495 | 2496 | 51 | 2495.955 | -33.99 | -13 |

Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0



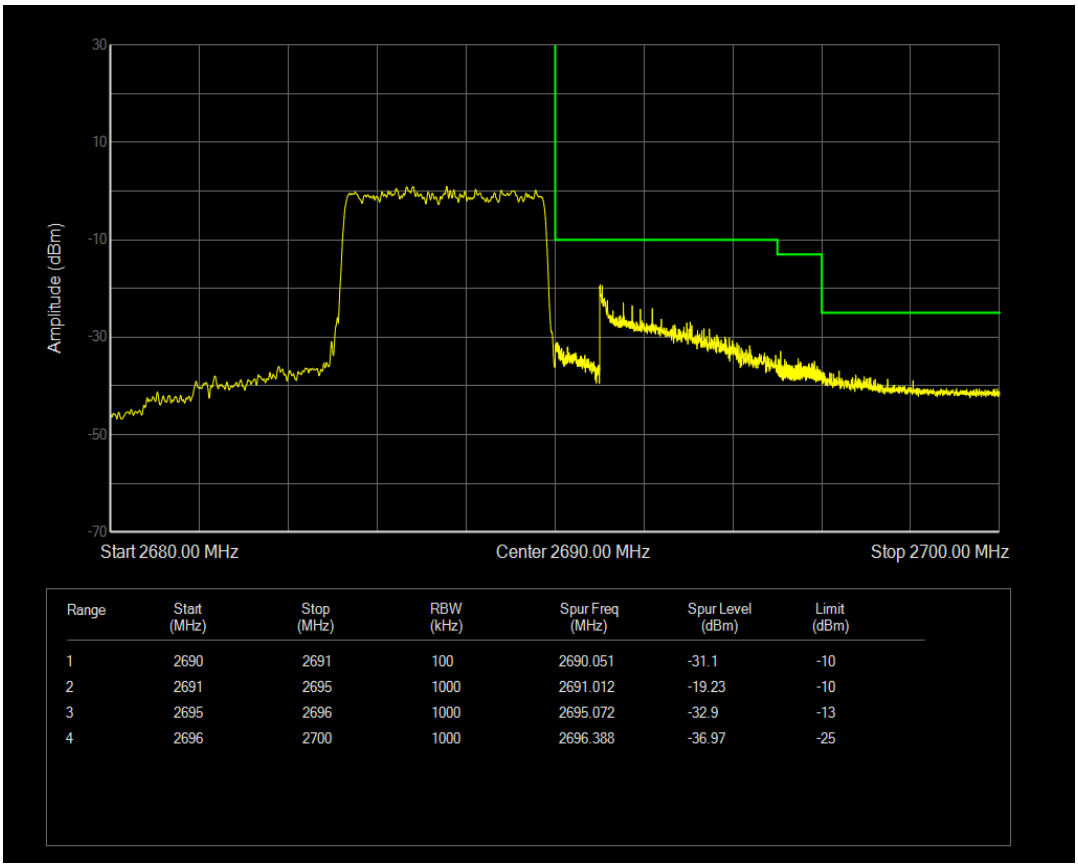

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2690 | 2691 | 100 | 2690.084 | -28.92 | -10 |
| 2 | 2691 | 2695 | 1000 | 2691.004 | -19.02 | -10 |
| 3 | 2695 | 2696 | 1000 | 2695.066 | -29.62 | -13 |
| 4 | 2696 | 2700 | 1000 | 2696.14 | -35.49 | -25 |

Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0



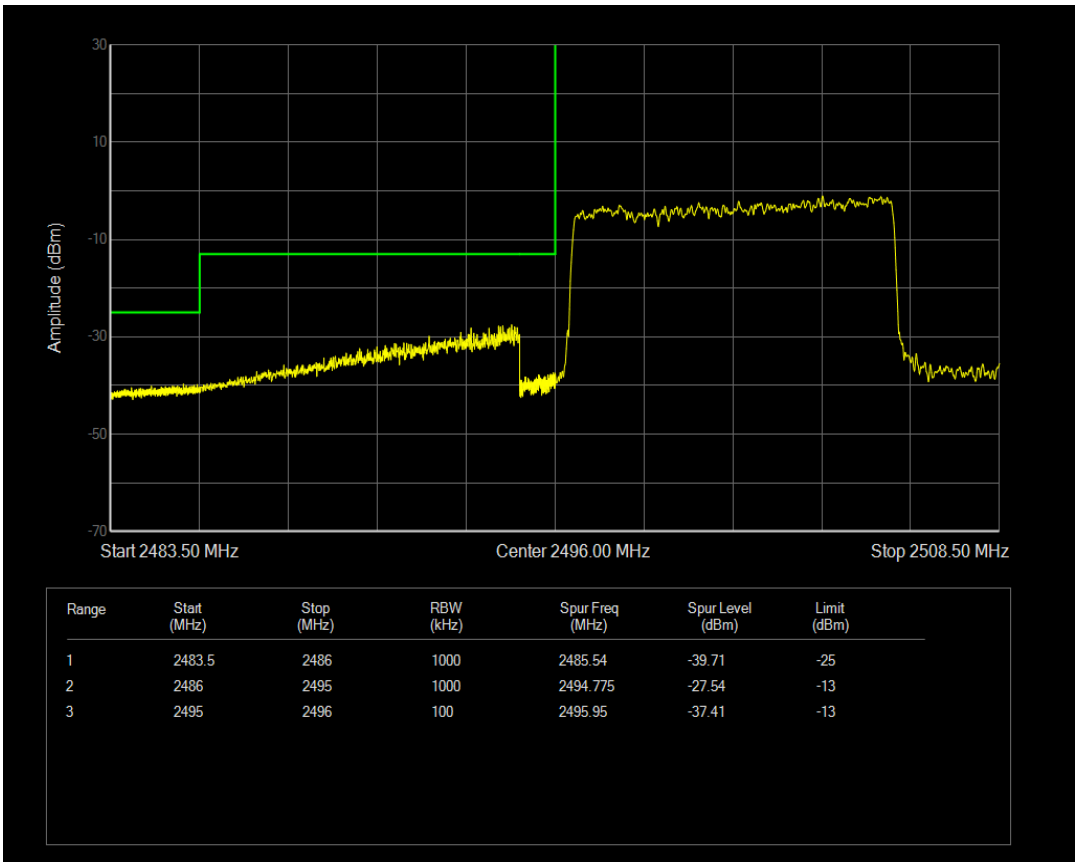

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2483.5 | 2486 | 1000 | 2483.7075 | -40.65 | -25 |
| 2 | 2486 | 2495 | 1000 | 2495 | -26.96 | -13 |
| 3 | 2495 | 2496 | 100 | 2495.76 | -36.27 | -13 |

Band41 QAM16 BW=5MHz Channel=41565 RB Size=25 Position=#0



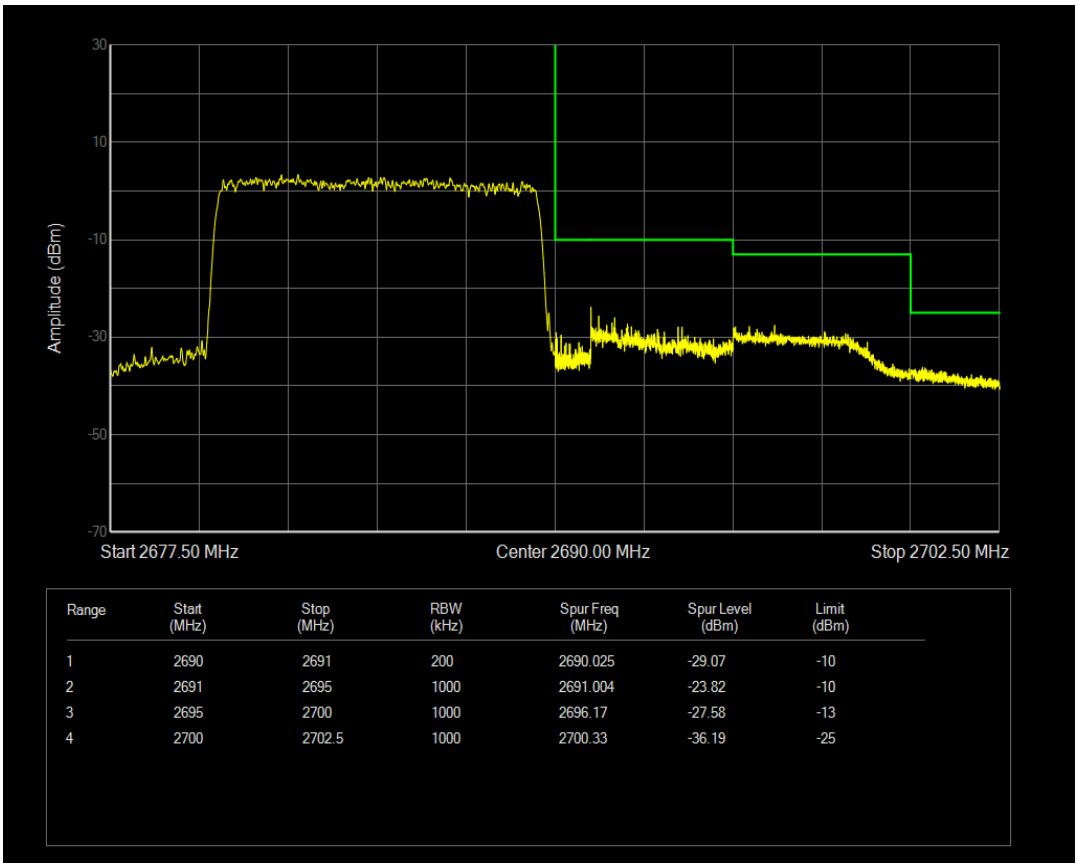

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2690 | 2691 | 100 | 2690.051 | -31.1 | -10 |
| 2 | 2691 | 2695 | 1000 | 2691.012 | -19.23 | -10 |
| 3 | 2695 | 2696 | 1000 | 2695.072 | -32.9 | -13 |
| 4 | 2696 | 2700 | 1000 | 2696.388 | -36.97 | -25 |

Band41 QAM16 BW=10MHz Channel=39700 RB Size=50 Position=#0



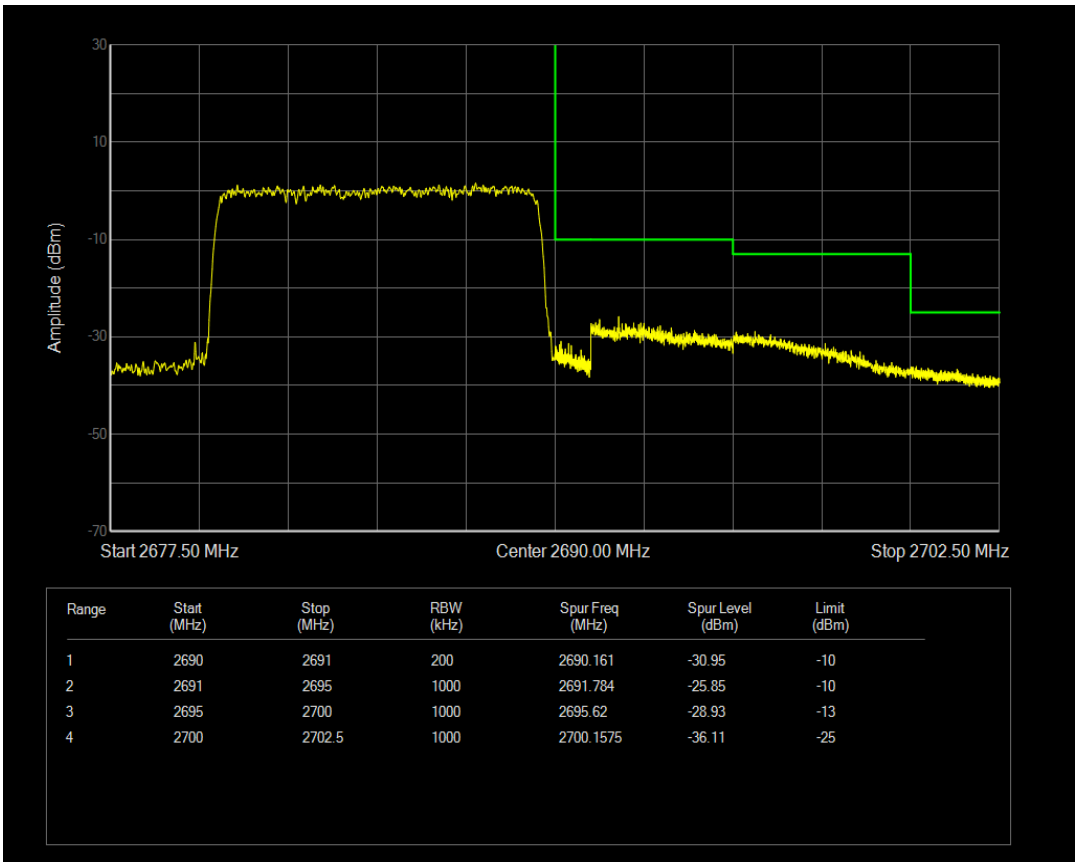

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2483.5 | 2486 | 1000 | 2485.54 | -39.71 | -25 |
| 2 | 2486 | 2495 | 1000 | 2494.775 | -27.54 | -13 |
| 3 | 2495 | 2496 | 100 | 2495.95 | -37.41 | -13 |

Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0



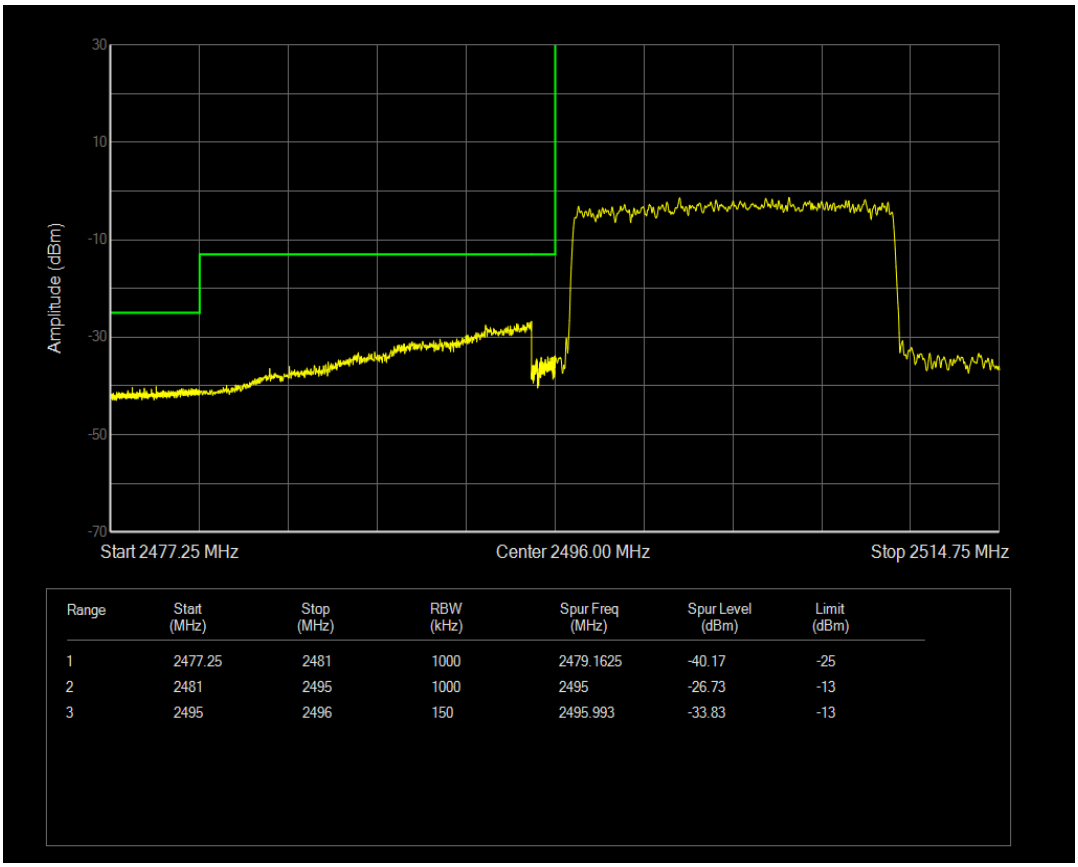

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2690 | 2691 | 200 | 2690.025 | -29.07 | -10 |
| 2 | 2691 | 2695 | 1000 | 2691.004 | -23.82 | -10 |
| 3 | 2695 | 2700 | 1000 | 2696.17 | -27.58 | -13 |
| 4 | 2700 | 2702.5 | 1000 | 2700.33 | -36.19 | -25 |

Band41 QAM16 BW=10MHz Channel=41540 RB Size=50 Position=#0



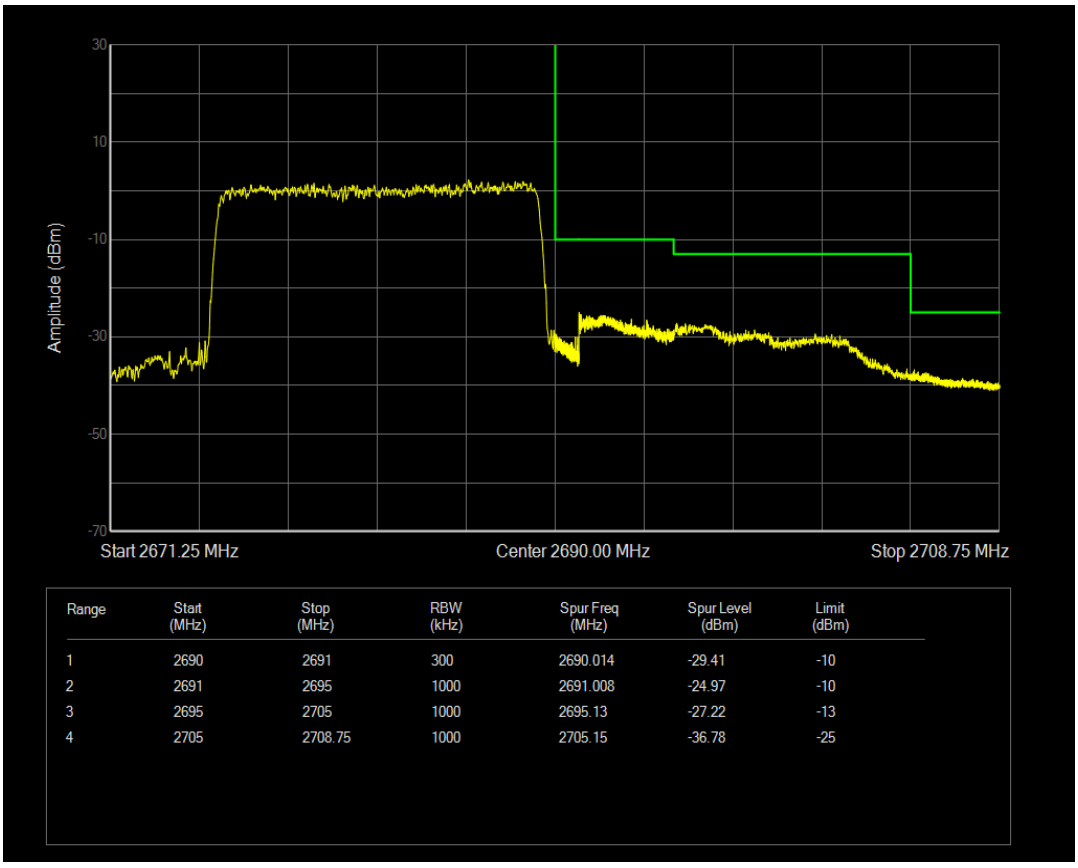

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2690 | 2691 | 200 | 2690.161 | -30.95 | -10 |
| 2 | 2691 | 2695 | 1000 | 2691.784 | -25.85 | -10 |
| 3 | 2695 | 2700 | 1000 | 2695.62 | -28.93 | -13 |
| 4 | 2700 | 2702.5 | 1000 | 2700.1575 | -36.11 | -25 |

Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



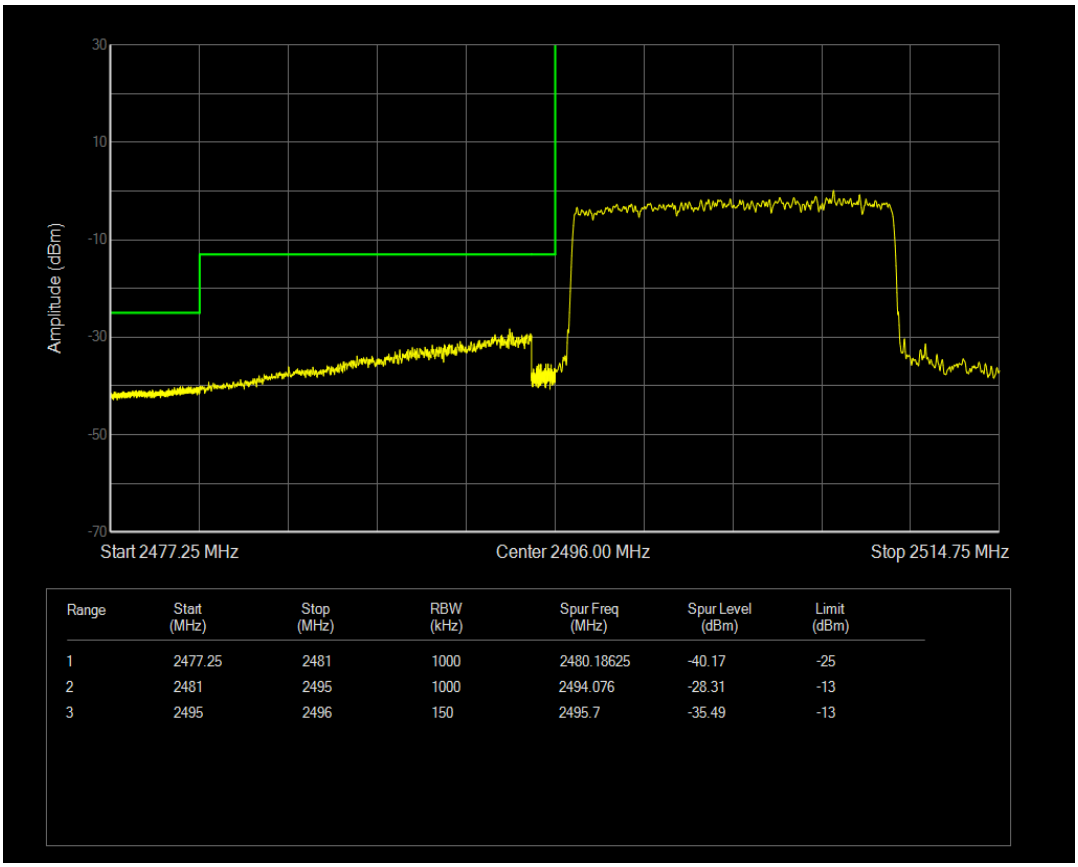

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2477.25 | 2481 | 1000 | 2479.1625 | -40.17 | -25 |
| 2 | 2481 | 2495 | 1000 | 2495 | -26.73 | -13 |
| 3 | 2495 | 2496 | 150 | 2495.993 | -33.83 | -13 |

Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



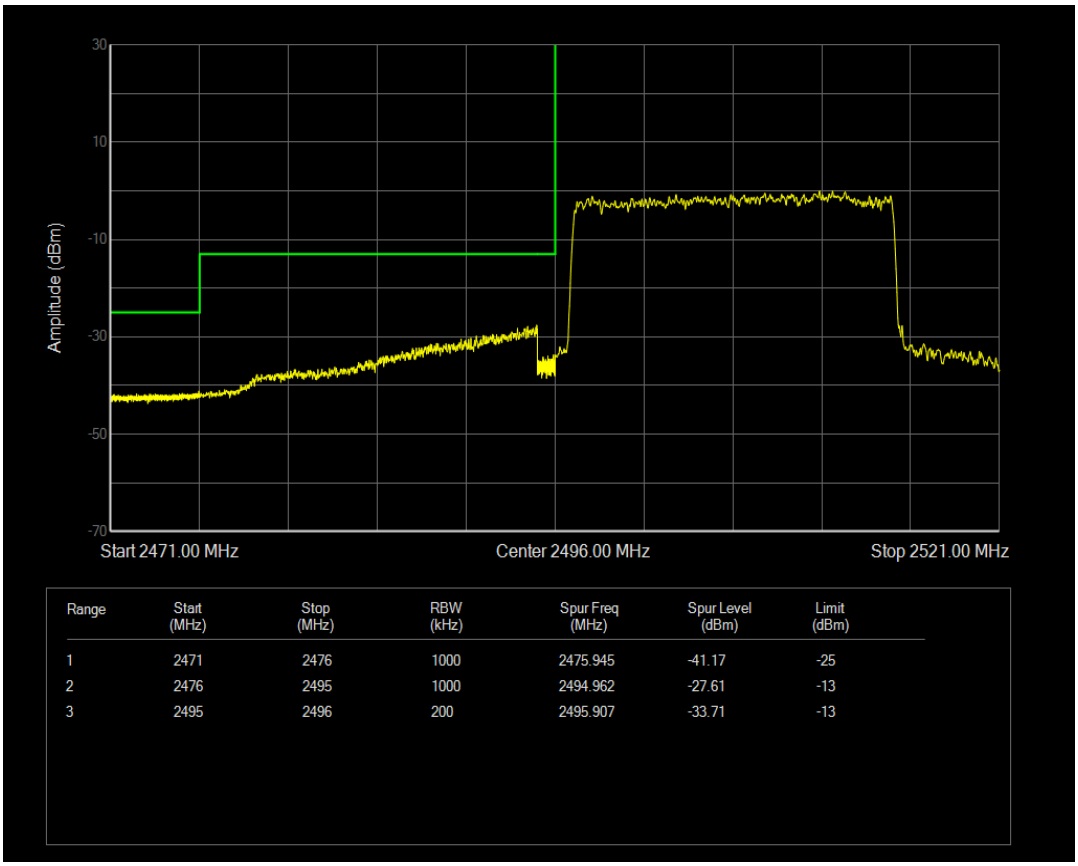

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2690 | 2691 | 300 | 2690.014 | -29.41 | -10 |
| 2 | 2691 | 2695 | 1000 | 2691.008 | -24.97 | -10 |
| 3 | 2695 | 2705 | 1000 | 2695.13 | -27.22 | -13 |
| 4 | 2705 | 2708.75 | 1000 | 2705.15 | -36.78 | -25 |

Band41 QAM16 BW=15MHz Channel=39725 RB Size=75 Position=#0



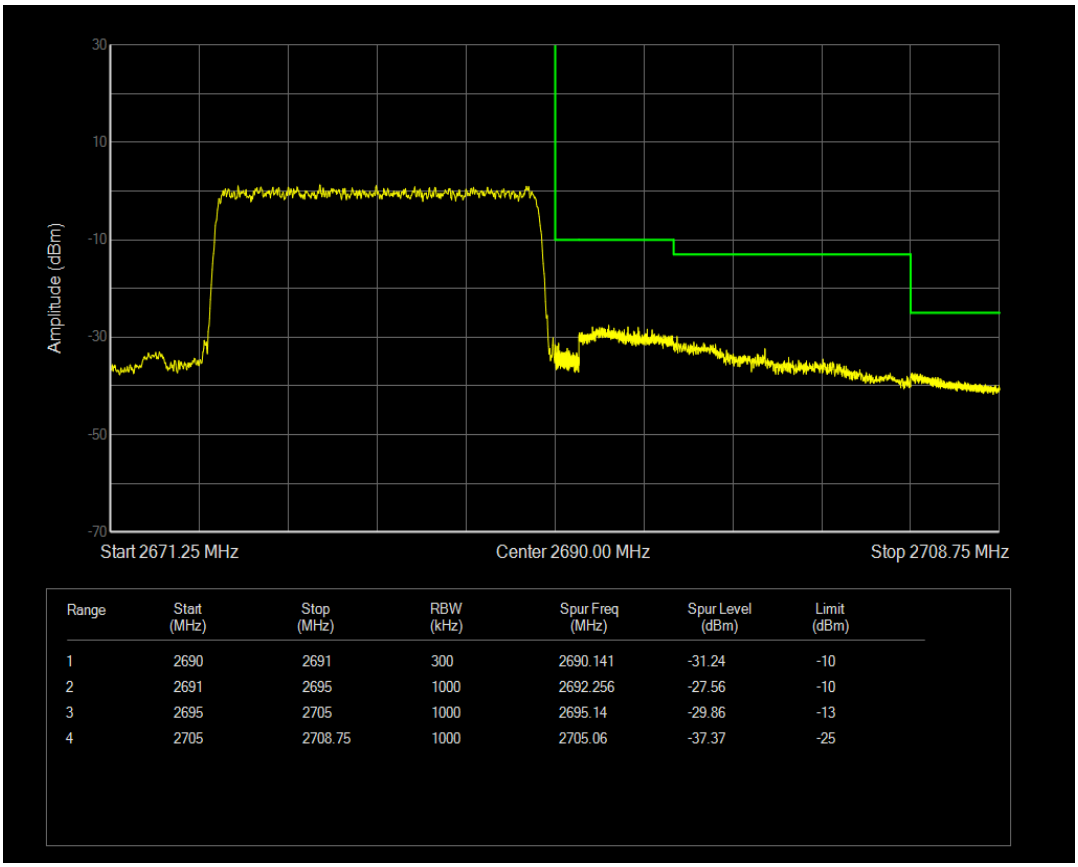

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2477.25 | 2481 | 1000 | 2480.18625 | -40.17 | -25 |
| 2 | 2481 | 2495 | 1000 | 2494.076 | -28.31 | -13 |
| 3 | 2495 | 2496 | 150 | 2495.7 | -35.49 | -13 |

Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0



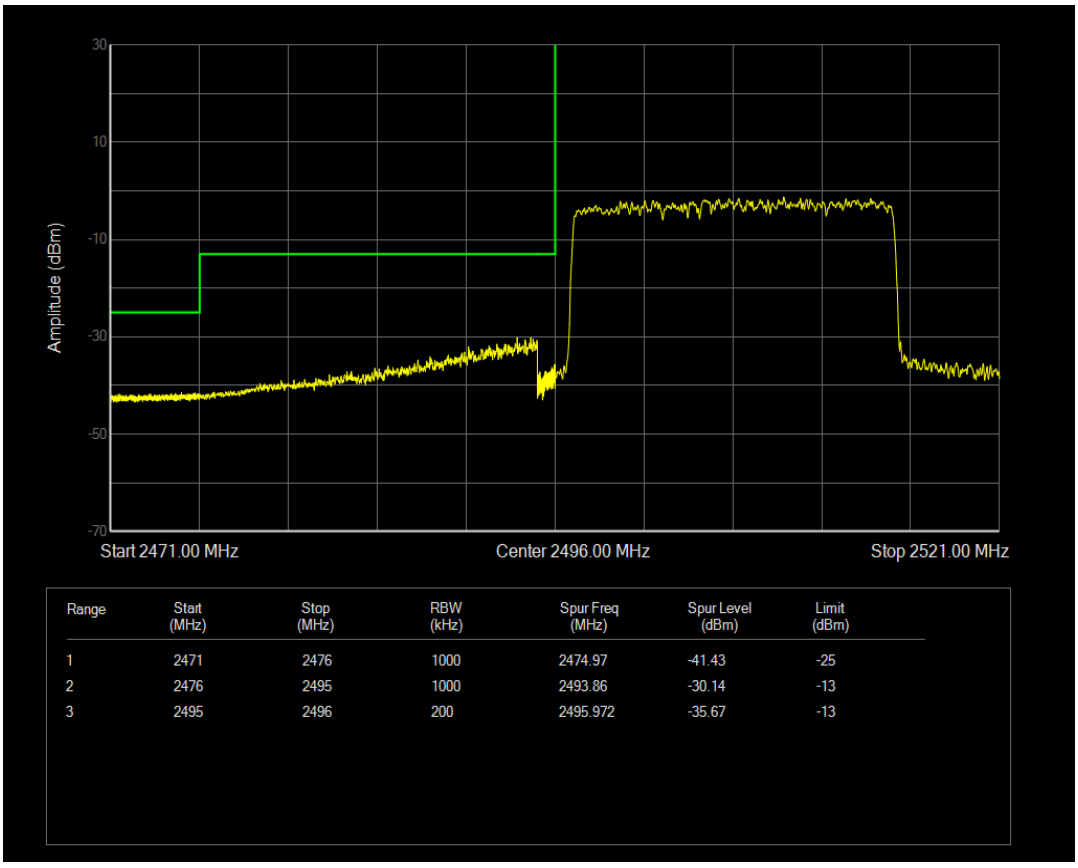

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2471 | 2476 | 1000 | 2475.945 | -41.17 | -25 |
| 2 | 2476 | 2495 | 1000 | 2494.962 | -27.61 | -13 |
| 3 | 2495 | 2496 | 200 | 2495.907 | -33.71 | -13 |

Band41 QAM16 BW=15MHz Channel=41515 RB Size=75 Position=#0



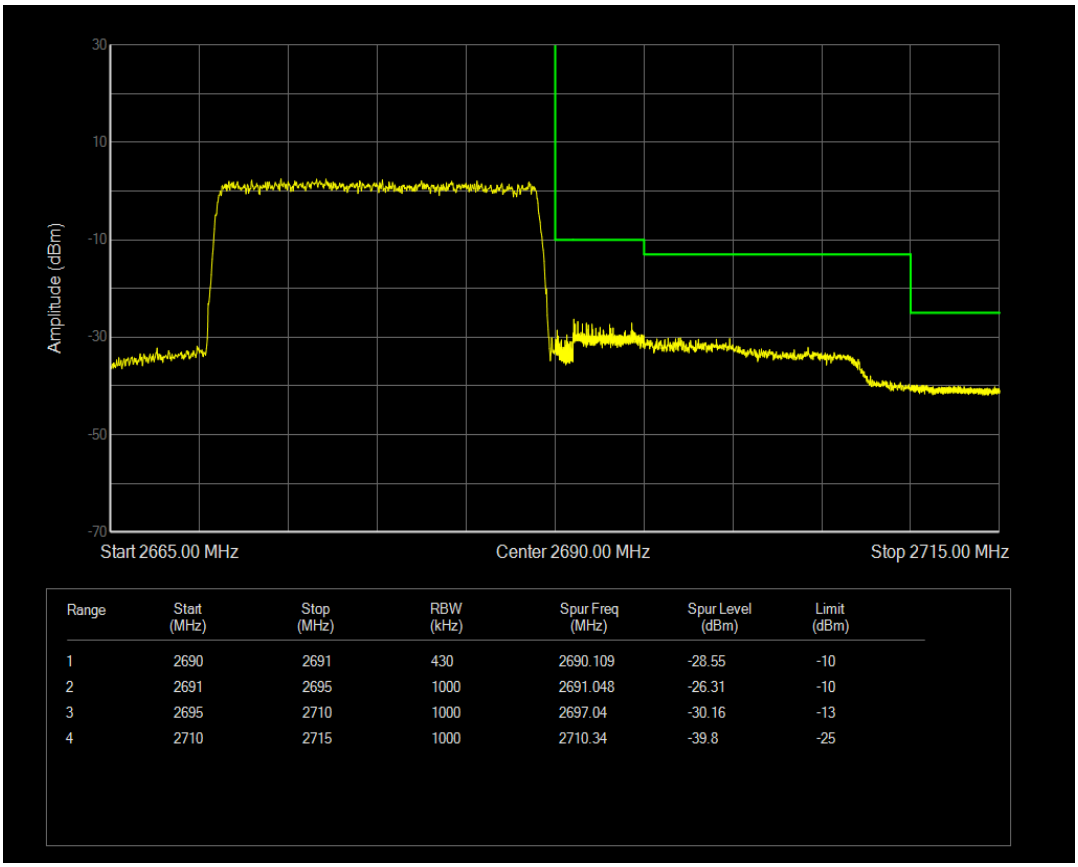

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2690 | 2691 | 300 | 2690.141 | -31.24 | -10 |
| 2 | 2691 | 2695 | 1000 | 2692.256 | -27.56 | -10 |
| 3 | 2695 | 2705 | 1000 | 2695.14 | -29.86 | -13 |
| 4 | 2705 | 2708.75 | 1000 | 2705.06 | -37.37 | -25 |

Band41 QAM16 BW=20MHz Channel=39750 RB Size=100 Position=#0



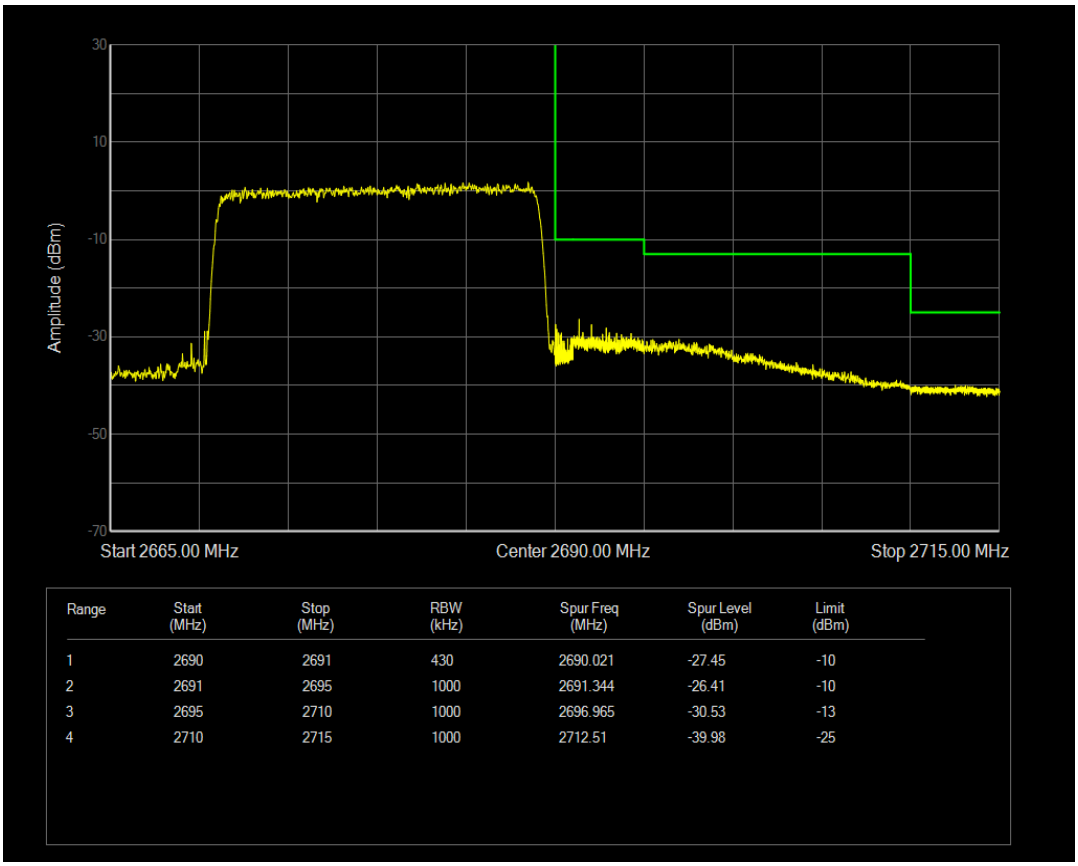

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2471 | 2476 | 1000 | 2474.97 | -41.43 | -25 |
| 2 | 2476 | 2495 | 1000 | 2493.86 | -30.14 | -13 |
| 3 | 2495 | 2496 | 200 | 2495.972 | -35.67 | -13 |

Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0




| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2690 | 2691 | 430 | 2690.109 | -28.55 | -10 |
| 2 | 2691 | 2695 | 1000 | 2691.048 | -26.31 | -10 |
| 3 | 2695 | 2710 | 1000 | 2697.04 | -30.16 | -13 |
| 4 | 2710 | 2715 | 1000 | 2710.34 | -39.8 | -25 |

Band41 QAM16 BW=20MHz Channel=41490 RB Size=100 Position=#0



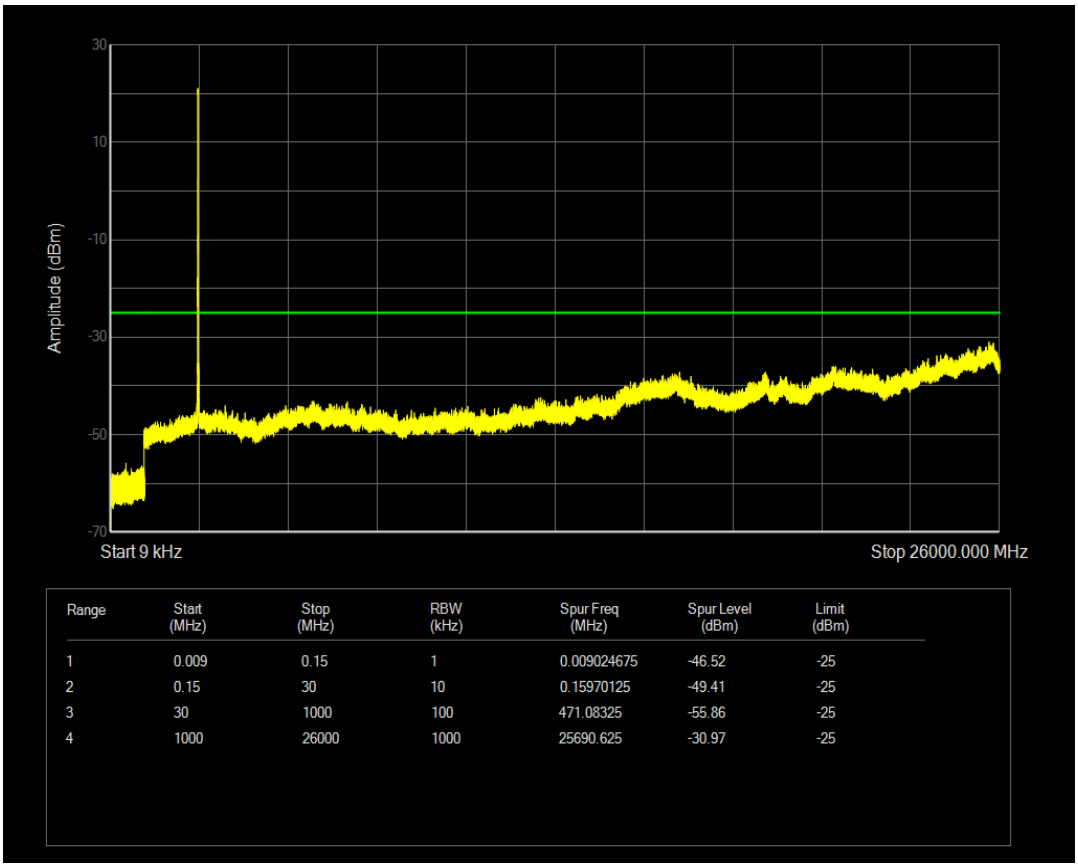

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 2690 | 2691 | 430 | 2690.021 | -27.45 | -10 |
| 2 | 2691 | 2695 | 1000 | 2691.344 | -26.41 | -10 |
| 3 | 2695 | 2710 | 1000 | 2696.965 | -30.53 | -13 |
| 4 | 2710 | 2715 | 1000 | 2712.51 | -39.98 | -25 |

## 6 Out-of-band emissions

| Band | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| Band38 | 5 | 37775 | 25 | #0 | QPSK | 25690.63 | -30.97 | -25 | PASS |
| Band38 | 5 | 37775 | 25 | #0 | QAM16 | 25777.50 | -30.45 | -25 | PASS |
| Band38 | 5 | 38225 | 25 | #0 | QPSK | 2647.50 | -26.06 | -25 | PASS |
| Band38 | 5 | 38225 | 25 | #0 | QAM16 | 25633.13 | -30.91 | -25 | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QPSK | 25737.50 | -29.99 | -25 | PASS |
| Band38 | 10 | 37800 | 50 | #0 | QAM16 | 25410.63 | -31.18 | -25 | PASS |
| Band38 | 10 | 38200 | 50 | #0 | QPSK | 25835.00 | -31.51 | -25 | PASS |
| Band38 | 10 | 38200 | 50 | #0 | QAM16 | 25726.88 | -30.98 | -25 | PASS |
| Band38 | 15 | 37825 | 75 | #0 | QPSK | 25715.63 | -30.29 | -25 | PASS |
| Band38 | 15 | 37825 | 75 | #0 | QAM16 | 25780.00 | -31.10 | -25 | PASS |
| Band38 | 15 | 38175 | 75 | #0 | QPSK | 25731.88 | -30.72 | -25 | PASS |
| Band38 | 15 | 38175 | 75 | #0 | QAM16 | 25791.88 | -31.08 | -25 | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QPSK | 25796.88 | -30.80 | -25 | PASS |
| Band38 | 20 | 37850 | 100 | #0 | QAM16 | 25353.75 | -31.11 | -25 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QPSK | 25803.13 | -30.88 | -25 | PASS |
| Band38 | 20 | 38150 | 100 | #0 | QAM16 | 25849.38 | -30.81 | -25 | PASS |
| Band4 | 1.4 | 19957 | 6 | #0 | QPSK | 25525.63 | -31.70 | -13 | PASS |
| Band4 | 1.4 | 19957 | 6 | #0 | QAM16 | 25680.63 | -32.02 | -13 | PASS |
| Band4 | 1.4 | 20393 | 6 | #0 | QPSK | 25768.13 | -31.15 | -13 | PASS |
| Band4 | 1.4 | 20393 | 6 | #0 | QAM16 | 25781.25 | -31.77 | -13 | PASS |
| Band4 | 3 | 19965 | 15 | #0 | QPSK | 25808.13 | -31.58 | -13 | PASS |
| Band4 | 3 | 19965 | 15 | #0 | QAM16 | 25776.88 | -31.68 | -13 | PASS |
| Band4 | 3 | 20385 | 15 | #0 | QPSK | 25752.50 | -31.40 | -13 | PASS |
| Band4 | 3 | 20385 | 15 | #0 | QAM16 | 25418.75 | -31.02 | -13 | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QPSK | 25460.63 | -30.49 | -13 | PASS |
| Band4 | 5 | 19975 | 25 | #0 | QAM16 | 25681.25 | -31.27 | -13 | PASS |
| Band4 | 5 | 20375 | 25 | #0 | QPSK | 25705.63 | -30.69 | -13 | PASS |
| Band4 | 5 | 20375 | 25 | #0 | QAM16 | 25821.88 | -31.08 | -13 | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QPSK | 25589.38 | -31.41 | -13 | PASS |
| Band4 | 10 | 20000 | 50 | #0 | QAM16 | 25400.63 | -31.53 | -13 | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QPSK | 25803.75 | -30.17 | -13 | PASS |
| Band4 | 10 | 20350 | 50 | #0 | QAM16 | 25793.13 | -31.43 | -13 | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QPSK | 25761.88 | -31.72 | -13 | PASS |
| Band4 | 15 | 20025 | 75 | #0 | QAM16 | 25703.13 | -31.40 | -13 | PASS |
| Band4 | 15 | 20325 | 75 | #0 | QPSK | 25766.88 | -31.11 | -13 | PASS |
| Band4 | 15 | 20325 | 75 | #0 | QAM16 | 25692.50 | -30.24 | -13 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QPSK | 25736.88 | -31.41 | -13 | PASS |
| Band4 | 20 | 20050 | 100 | #0 | QAM16 | 25660.63 | -30.24 | -13 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QPSK | 25742.50 | -30.72 | -13 | PASS |
| Band4 | 20 | 20300 | 100 | #0 | QAM16 | 25793.75 | -31.00 | -13 | PASS |
| Band40a | 5 | 38725 | 25 | #0 | QPSK | 0.01 | -45.20 | -40 | PASS |
| Band40a | 5 | 38725 | 25 | #0 | QAM16 | 2353.13 | -40.36 | -40 | PASS |

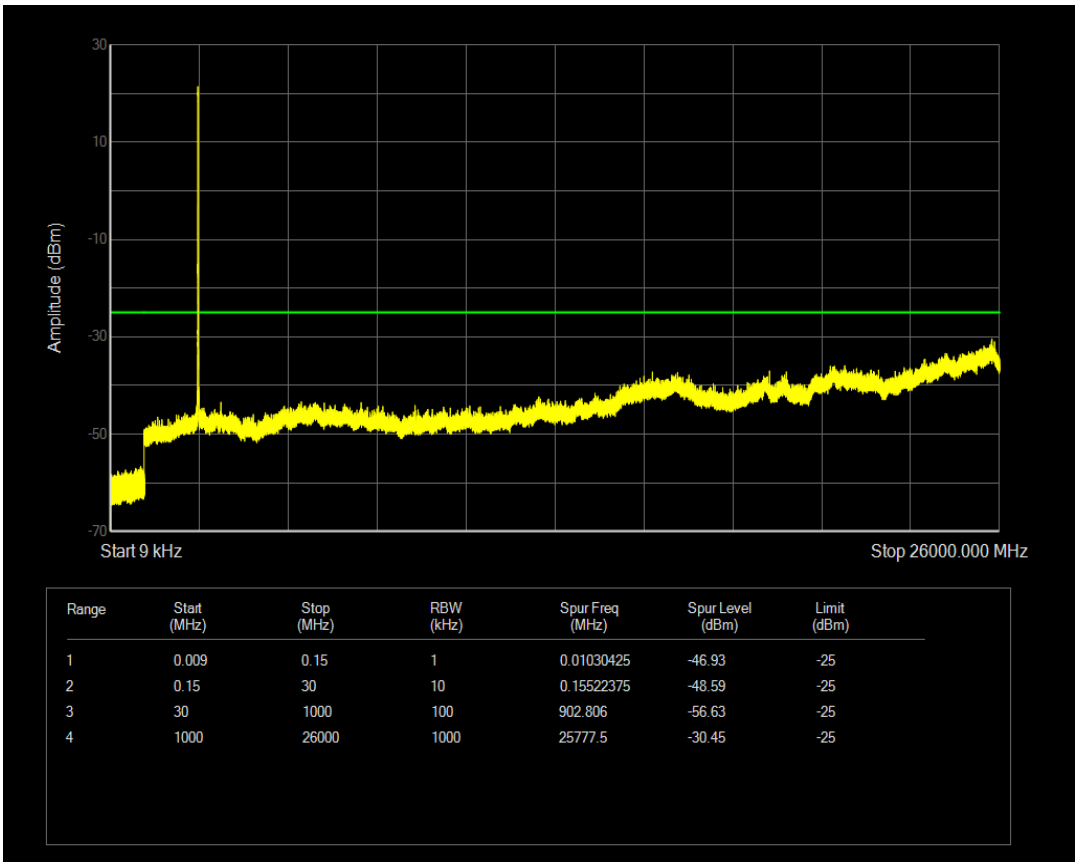
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Band40a | 5 | 38775 | 25 | #0 | QPSK | 2335.63 | -45.13 | -40 | PASS |
| Band40a | 5 | 38775 | 25 | #0 | QAM16 | 0.01 | -45.08 | -40 | PASS |
| Band40a | 10 | 38750 | 50 | #0 | QPSK | 2355.63 | -45.56 | -40 | PASS |
| Band40a | 10 | 38750 | 50 | #0 | QAM16 | 0.01 | -44.53 | -40 | PASS |
| Band40b | 5 | 39175 | 25 | #0 | QPSK | 0.01 | -46.62 | -40 | PASS |
| Band40b | 5 | 39175 | 25 | #0 | QAM16 | 0.01 | -46.47 | -40 | PASS |
| Band40b | 5 | 39225 | 25 | #0 | QPSK | 25776.25 | -46.86 | -40 | PASS |
| Band40b | 5 | 39225 | 25 | #0 | QAM16 | 0.01 | -44.67 | -40 | PASS |
| Band40b | 10 | 39200 | 50 | #0 | QPSK | 0.01 | -46.13 | -40 | PASS |
| Band40b | 10 | 39200 | 50 | #0 | QAM16 | 0.01 | -46.15 | -40 | PASS |
| Band41 | 5 | 39675 | 25 | #0 | QPSK | 25735.00 | -31.34 | -25 | PASS |
| Band41 | 5 | 39675 | 25 | #0 | QAM16 | 25711.88 | -30.98 | -25 | PASS |
| Band41 | 5 | 41565 | 25 | #0 | QPSK | 25801.88 | -30.28 | -25 | PASS |
| Band41 | 5 | 41565 | 25 | #0 | QAM16 | 25743.13 | -31.03 | -25 | PASS |
| Band41 | 10 | 39700 | 50 | #0 | QPSK | 25779.38 | -30.15 | -25 | PASS |
| Band41 | 10 | 39700 | 50 | #0 | QAM16 | 25801.88 | -31.11 | -25 | PASS |
| Band41 | 10 | 41540 | 50 | #0 | QPSK | 25736.88 | -30.76 | -25 | PASS |
| Band41 | 10 | 41540 | 50 | #0 | QAM16 | 25368.13 | -30.81 | -25 | PASS |
| Band41 | 15 | 39725 | 75 | #0 | QPSK | 25750.63 | -31.04 | -25 | PASS |
| Band41 | 15 | 39725 | 75 | #0 | QAM16 | 25781.25 | -30.91 | -25 | PASS |
| Band41 | 15 | 41515 | 75 | #0 | QPSK | 25798.75 | -30.06 | -25 | PASS |
| Band41 | 15 | 41515 | 75 | #0 | QAM16 | 25583.13 | -30.51 | -25 | PASS |
| Band41 | 20 | 39750 | 100 | #0 | QPSK | 25811.88 | -30.78 | -25 | PASS |
| Band41 | 20 | 39750 | 100 | #0 | QAM16 | 25780.00 | -30.98 | -25 | PASS |
| Band41 | 20 | 41490 | 100 | #0 | QPSK | 25810.63 | -30.56 | -25 | PASS |
| Band41 | 20 | 41490 | 100 | #0 | QAM16 | 25593.75 | -30.71 | -25 | PASS |

Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



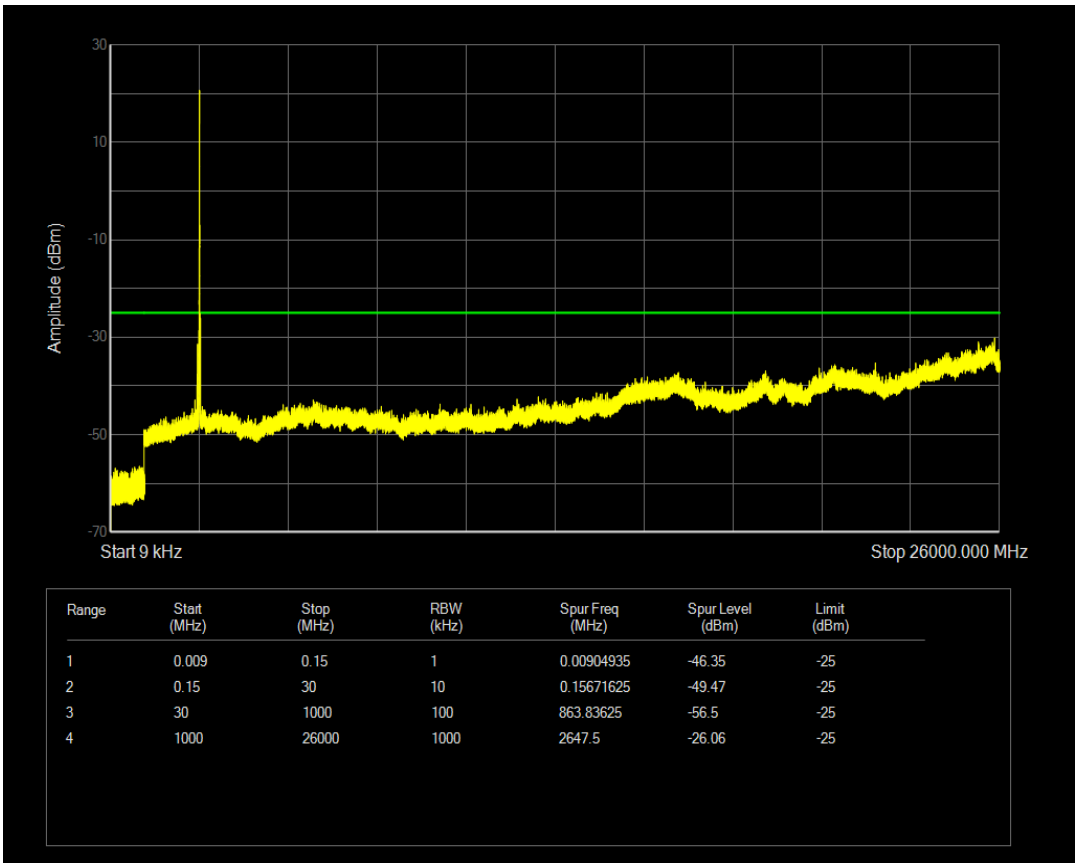

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 0.009 | 0.15 | 1 | 0.009024675 | -46.52 | -25 |
| 2 | 0.15 | 30 | 10 | 0.15970125 | -49.41 | -25 |
| 3 | 30 | 1000 | 100 | 471.08325 | -55.86 | -25 |
| 4 | 1000 | 26000 | 1000 | 25690.625 | -30.97 | -25 |

Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0



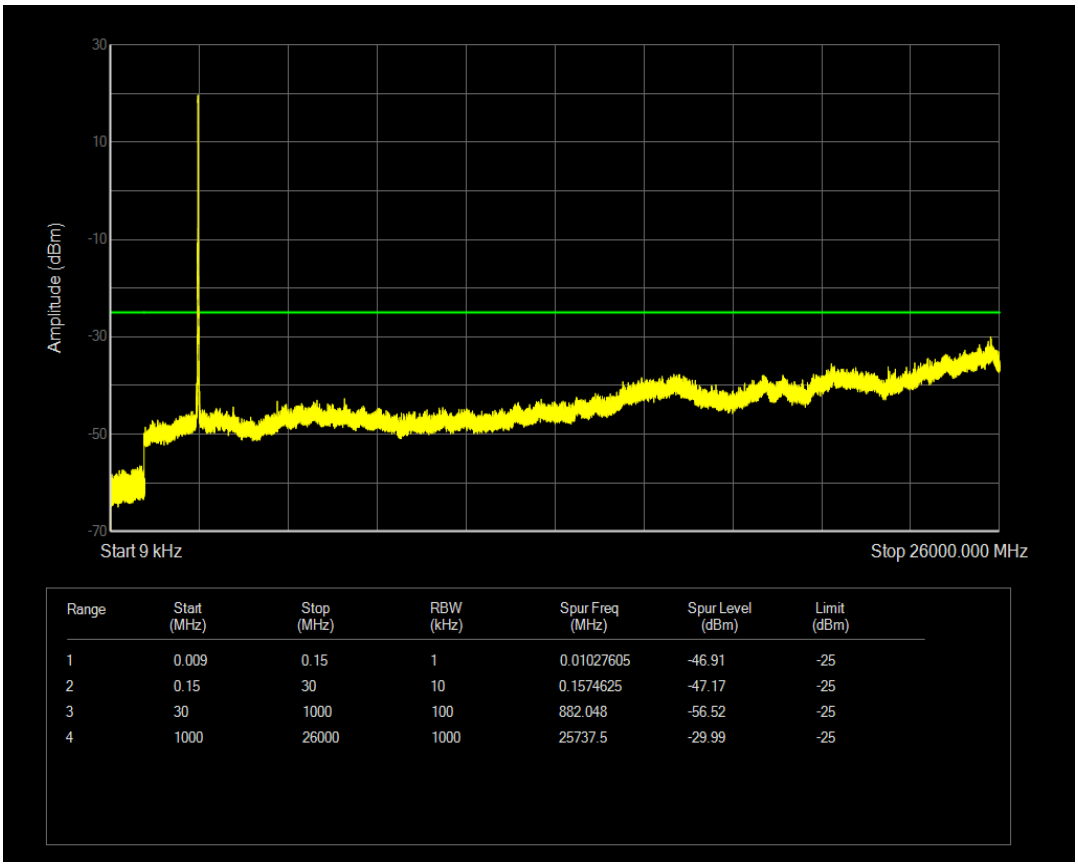

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 0.009 | 0.15 | 1 | 0.01030425 | -46.93 | -25 |
| 2 | 0.15 | 30 | 10 | 0.15522375 | -48.59 | -25 |
| 3 | 30 | 1000 | 100 | 902.806 | -56.63 | -25 |
| 4 | 1000 | 26000 | 1000 | 25777.5 | -30.45 | -25 |

Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0



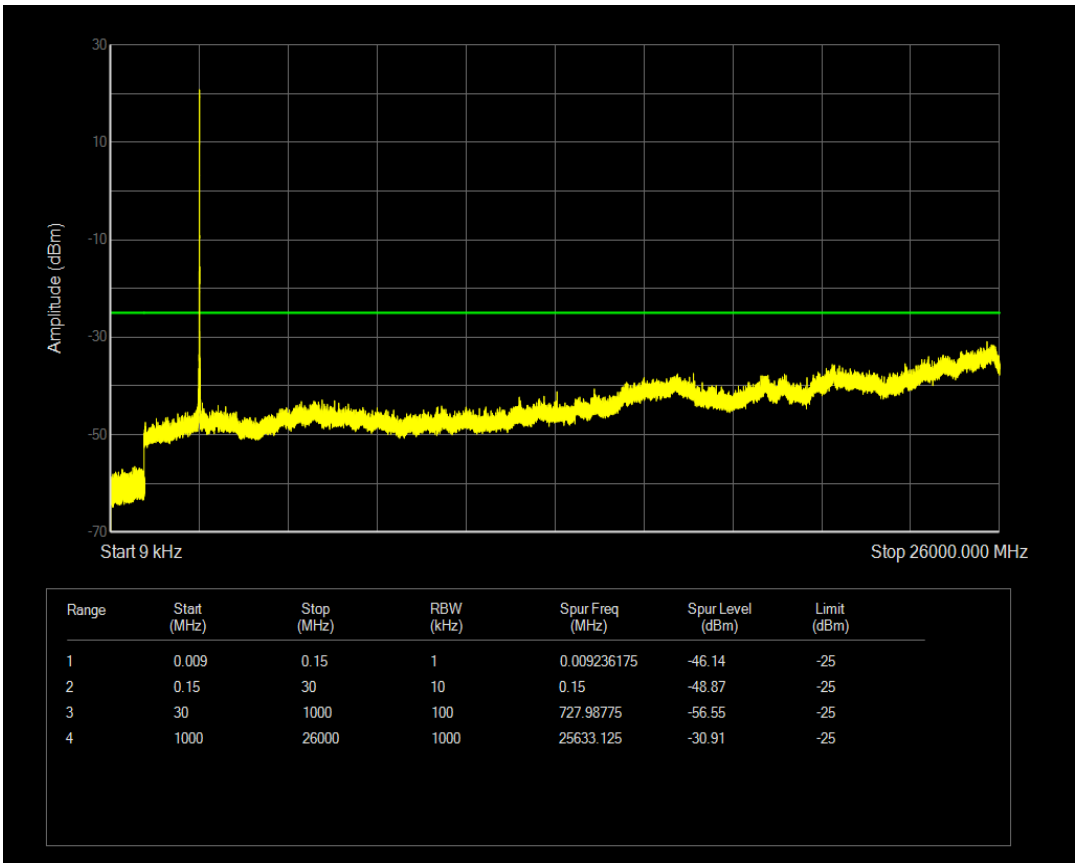

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 0.009 | 0.15 | 1 | 0.00904935 | -46.35 | -25 |
| 2 | 0.15 | 30 | 10 | 0.15671625 | -49.47 | -25 |
| 3 | 30 | 1000 | 100 | 863.83625 | -56.5 | -25 |
| 4 | 1000 | 26000 | 1000 | 2647.5 | -26.06 | -25 |

Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0



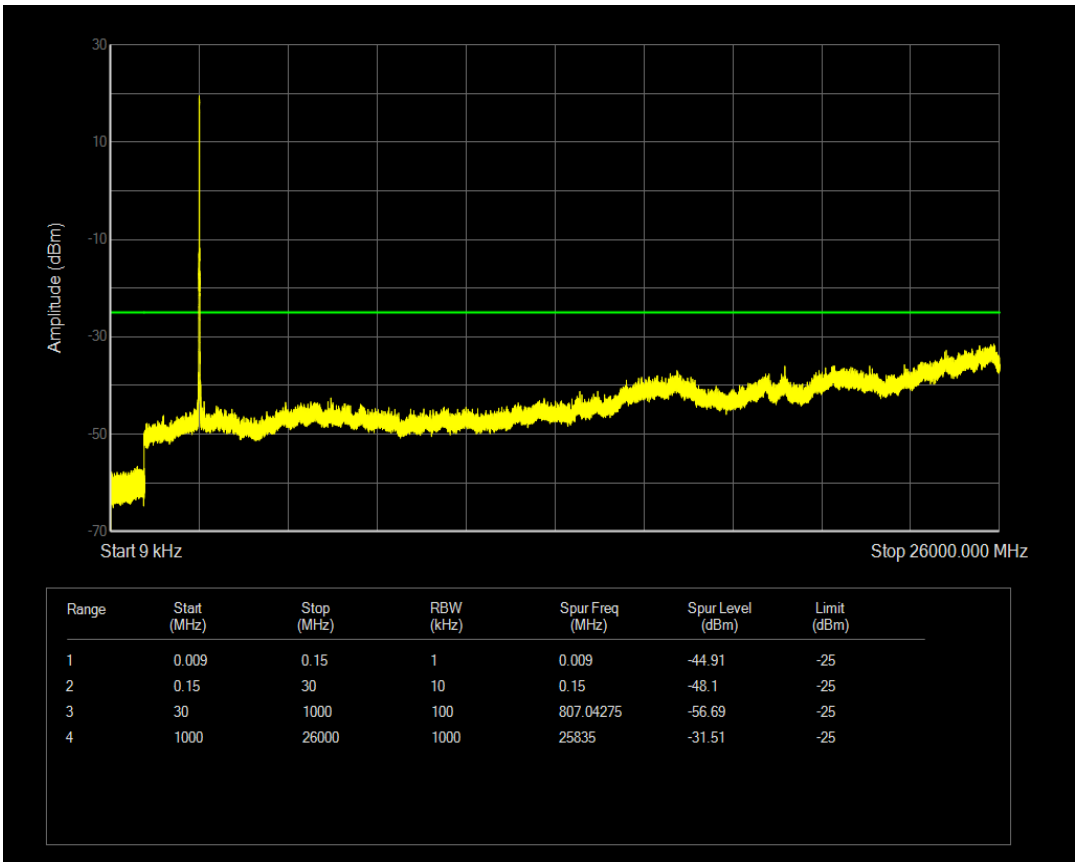

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 0.009 | 0.15 | 1 | 0.01027605 | -46.91 | -25 |
| 2 | 0.15 | 30 | 10 | 0.1574625 | -47.17 | -25 |
| 3 | 30 | 1000 | 100 | 882.048 | -56.52 | -25 |
| 4 | 1000 | 26000 | 1000 | 25737.5 | -29.99 | -25 |

Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0



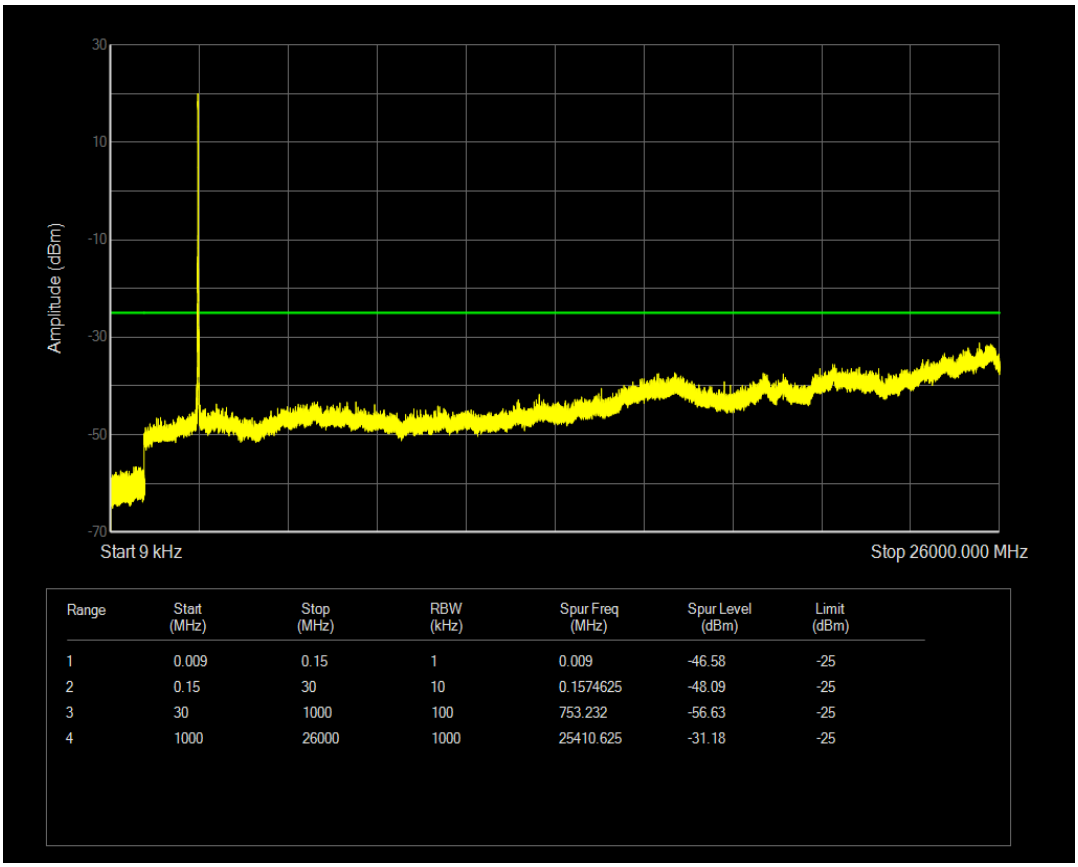

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 0.009 | 0.15 | 1 | 0.009236175 | -46.14 | -25 |
| 2 | 0.15 | 30 | 10 | 0.15 | -48.87 | -25 |
| 3 | 30 | 1000 | 100 | 727.98775 | -56.55 | -25 |
| 4 | 1000 | 26000 | 1000 | 25633.125 | -30.91 | -25 |

Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0



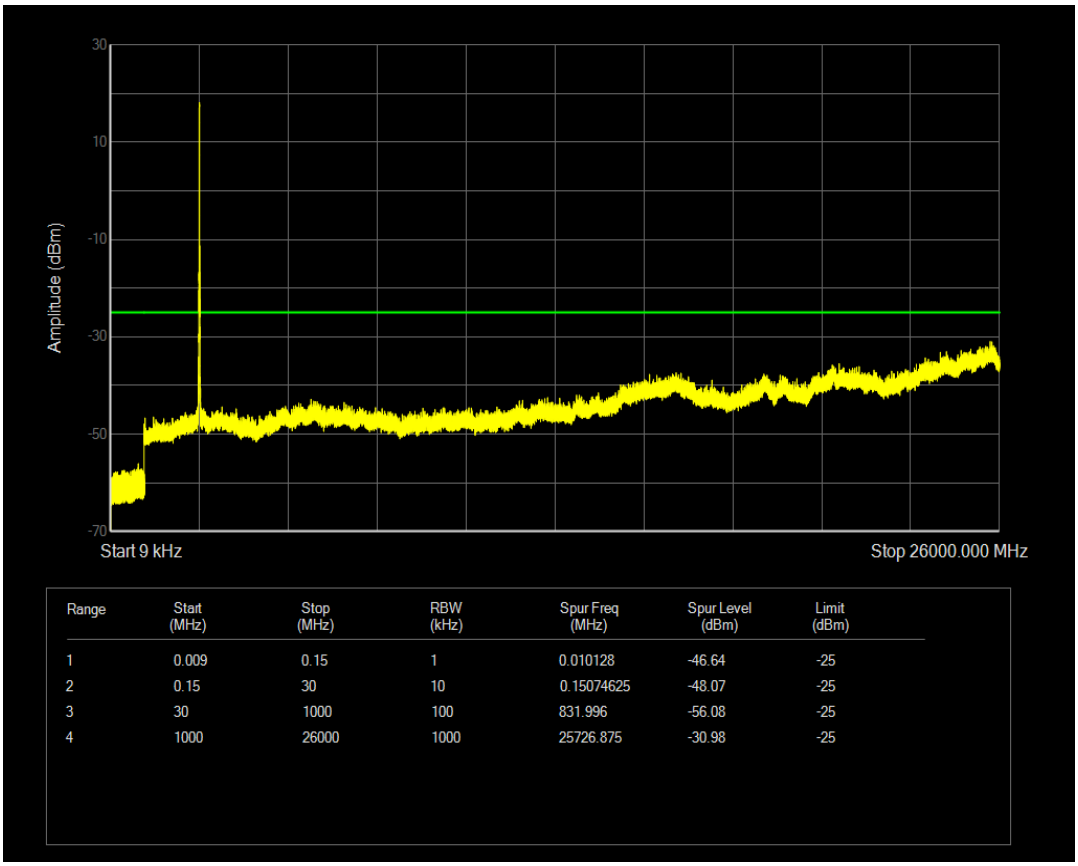

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 0.009 | 0.15 | 1 | 0.009 | -44.91 | -25 |
| 2 | 0.15 | 30 | 10 | 0.15 | -48.1 | -25 |
| 3 | 30 | 1000 | 100 | 807.04275 | -56.69 | -25 |
| 4 | 1000 | 26000 | 1000 | 25835 | -31.51 | -25 |

Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0



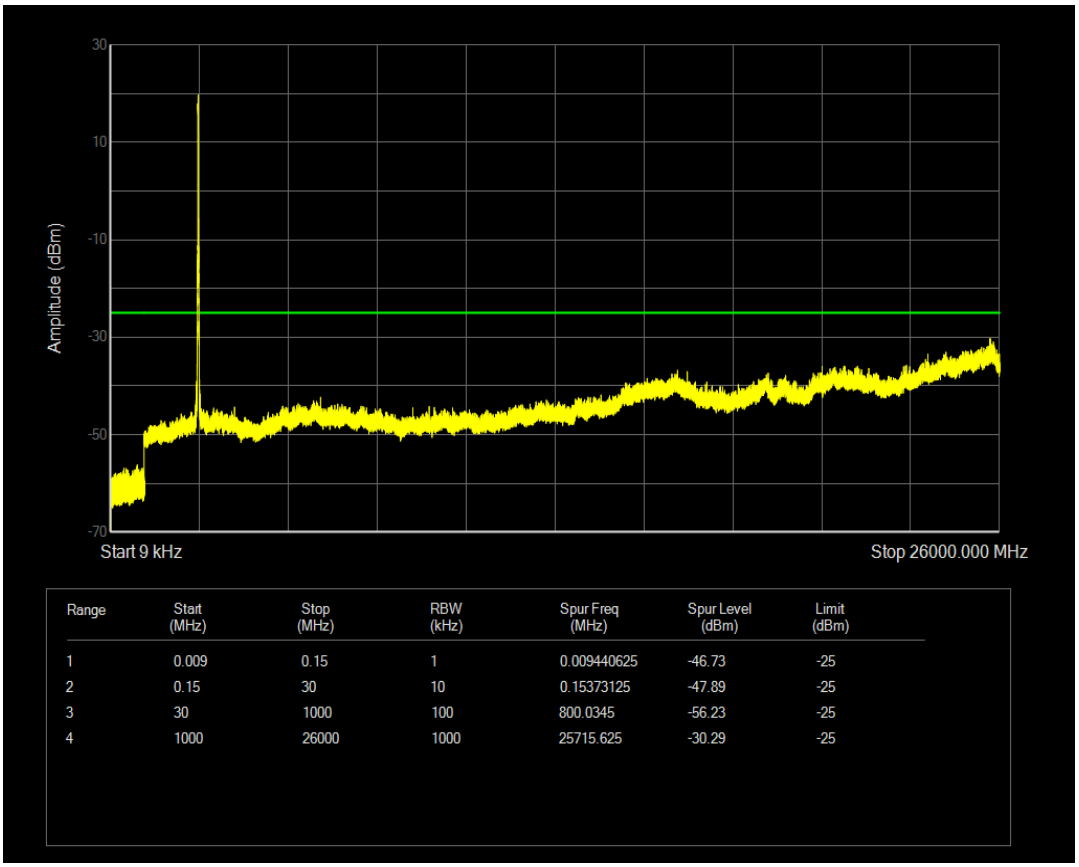

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 0.009 | 0.15 | 1 | 0.009 | -46.58 | -25 |
| 2 | 0.15 | 30 | 10 | 0.1574625 | -48.09 | -25 |
| 3 | 30 | 1000 | 100 | 753.232 | -56.63 | -25 |
| 4 | 1000 | 26000 | 1000 | 25410.625 | -31.18 | -25 |

Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0



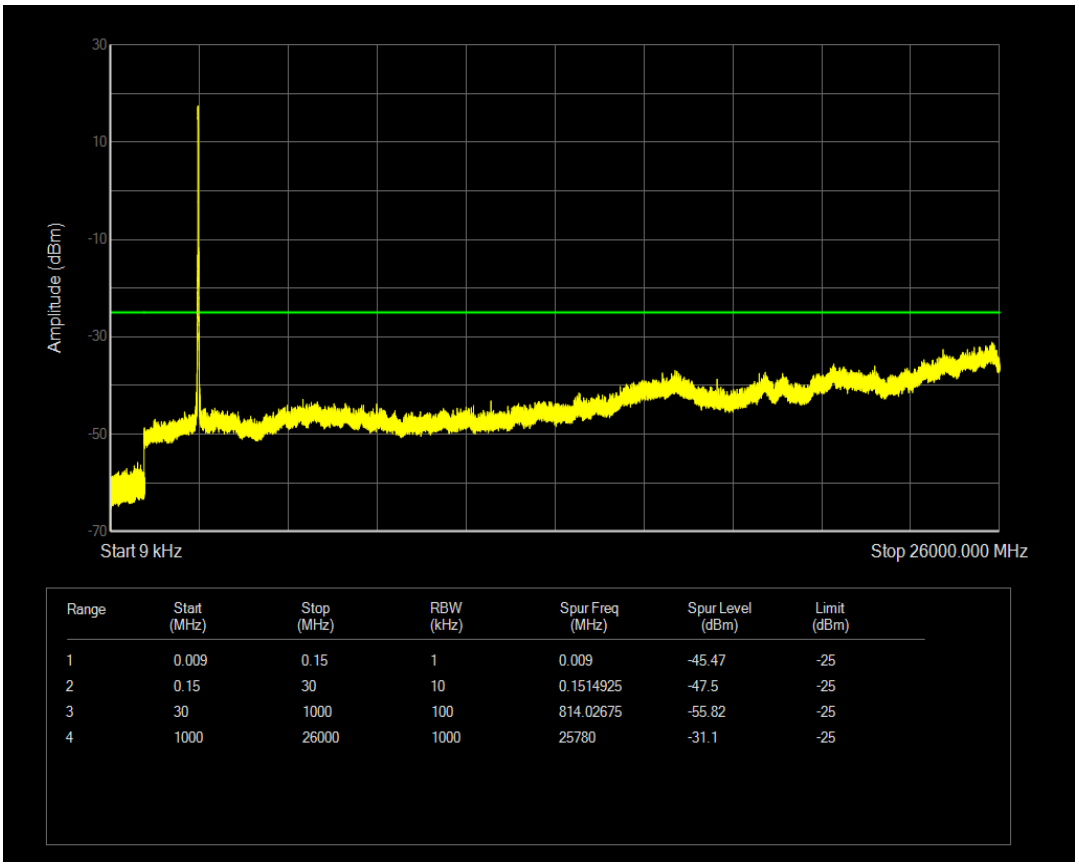

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 0.009 | 0.15 | 1 | 0.010128 | -46.64 | -25 |
| 2 | 0.15 | 30 | 10 | 0.15074625 | -48.07 | -25 |
| 3 | 30 | 1000 | 100 | 831.996 | -56.08 | -25 |
| 4 | 1000 | 26000 | 1000 | 25726.875 | -30.98 | -25 |

Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0



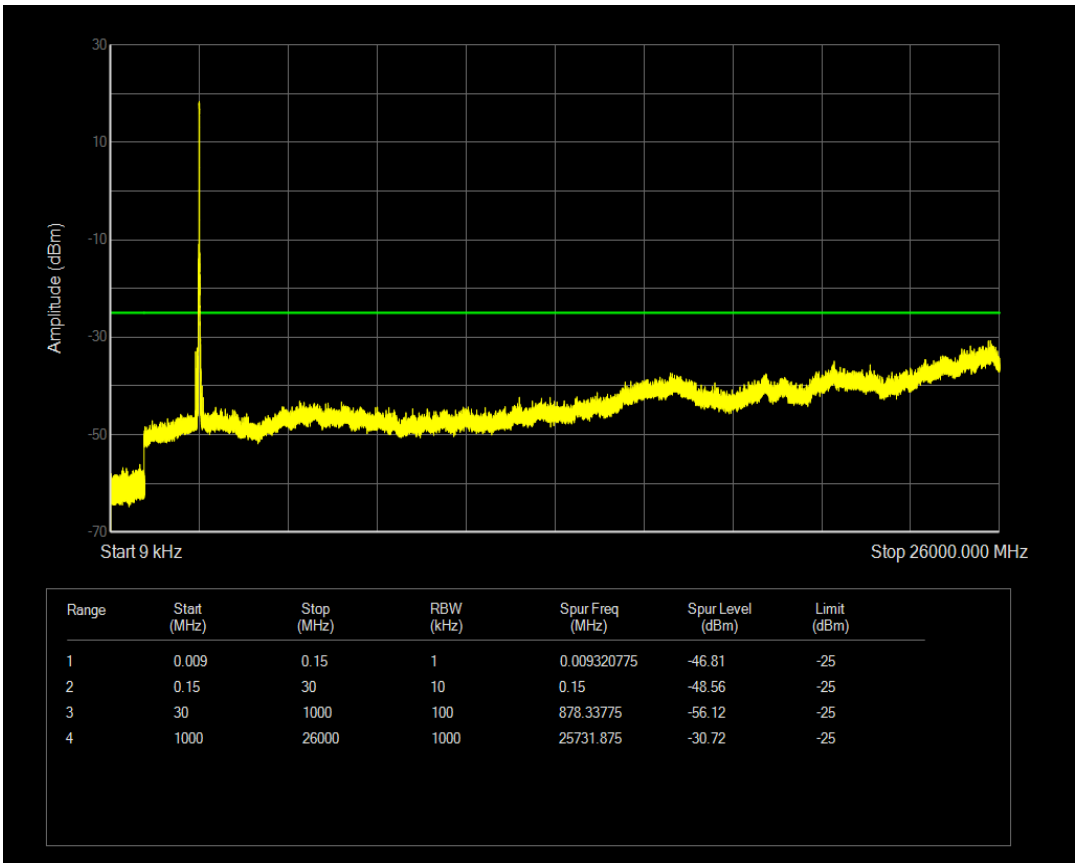

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 0.009 | 0.15 | 1 | 0.009440625 | -46.73 | -25 |
| 2 | 0.15 | 30 | 10 | 0.15373125 | -47.89 | -25 |
| 3 | 30 | 1000 | 100 | 800.0345 | -56.23 | -25 |
| 4 | 1000 | 26000 | 1000 | 25715.625 | -30.29 | -25 |

Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0



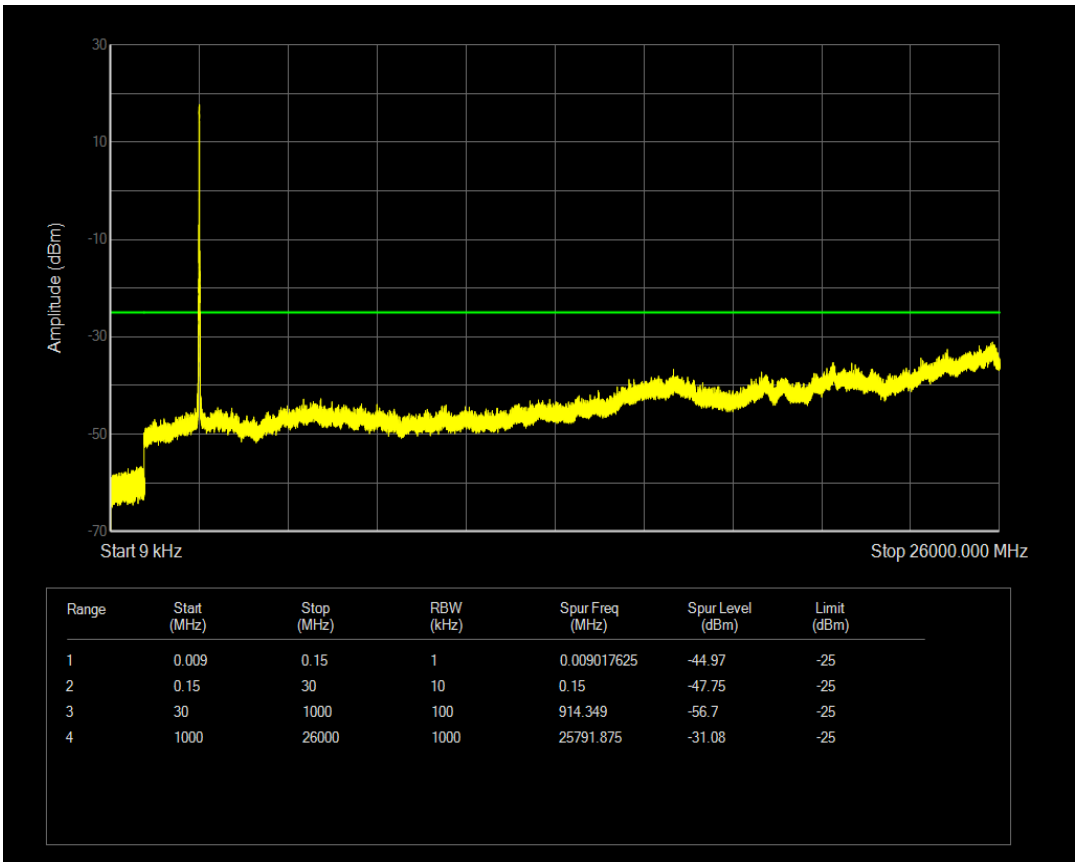

| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 0.009 | 0.15 | 1 | 0.009 | -45.47 | -25 |
| 2 | 0.15 | 30 | 10 | 0.1514925 | -47.5 | -25 |
| 3 | 30 | 1000 | 100 | 814.02675 | -55.82 | -25 |
| 4 | 1000 | 26000 | 1000 | 25780 | -31.1 | -25 |

Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0




| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 0.009 | 0.15 | 1 | 0.009320775 | -46.81 | -25 |
| 2 | 0.15 | 30 | 10 | 0.15 | -48.56 | -25 |
| 3 | 30 | 1000 | 100 | 878.33775 | -56.12 | -25 |
| 4 | 1000 | 26000 | 1000 | 25731.875 | -30.72 | -25 |

Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0




| Range | Start (MHz) | Stop (MHz) | RBW (kHz) | Spur Freq (MHz) | Spur Level (dBm) | Limit (dBm) |
|---|---|---|---|---|---|---|
| 1 | 0.009 | 0.15 | 1 | 0.009017625 | -44.97 | -25 |
| 2 | 0.15 | 30 | 10 | 0.15 | -47.75 | -25 |
| 3 | 30 | 1000 | 100 | 914.349 | -56.7 | -25 |
| 4 | 1000 | 26000 | 1000 | 25791.875 | -31.08 | -25 |

Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0