

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

LTE Band 41

1 RF Power Output

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) | | |
|-------|------------|---------|-----------|----------------------|-----------|-----------|
| | | | | 39675.000 | 40620.000 | 41565.000 |
| | | | | 2498.500 | 2593.000 | 2687.500 |
| 5.000 | QPSK | 1.000 | 0.000 | 22.200 | 23.360 | 22.090 |
| | | 1.000 | 12.000 | 22.190 | 23.430 | 22.180 |
| | | 1.000 | 24.000 | 22.180 | 23.450 | 22.190 |
| | | 12.000 | 0.000 | 21.090 | 22.490 | 20.960 |
| | | 12.000 | 7.000 | 21.060 | 22.520 | 20.960 |
| | | 12.000 | 13.000 | 21.120 | 22.460 | 20.970 |
| | | 25.000 | 0.000 | 21.120 | 22.510 | 20.940 |
| | 16QAM | 1.000 | 0.000 | 21.280 | 22.700 | 21.000 |
| | | 1.000 | 12.000 | 21.210 | 22.640 | 21.040 |
| | | 1.000 | 24.000 | 21.310 | 22.670 | 21.080 |
| | | 12.000 | 0.000 | 20.140 | 21.490 | 19.960 |
| | | 12.000 | 7.000 | 20.140 | 21.560 | 19.950 |
| | | 12.000 | 13.000 | 20.220 | 21.550 | 19.870 |
| | | 25.000 | 0.000 | 20.080 | 21.520 | 19.960 |
| | 64QAM | 1.000 | 0.000 | 20.270 | 21.530 | 20.070 |
| | | 1.000 | 12.000 | 20.250 | 21.520 | 20.070 |
| | | 1.000 | 24.000 | 20.220 | 21.560 | 20.170 |
| | | 12.000 | 0.000 | 19.150 | 20.610 | 18.850 |
| | | 12.000 | 7.000 | 19.100 | 20.590 | 19.090 |
| | | 12.000 | 13.000 | 19.180 | 20.450 | 19.160 |
| | | 25.000 | 0.000 | 19.120 | 20.460 | 19.090 |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) | | |
|--------|------------|---------|-----------|----------------------|-----------|-----------|
| | | | | 39700.000 | 40620.000 | 41540.000 |
| | | | | 2501.000 | 2593.000 | 2685.000 |
| 10.000 | QPSK | 1.000 | 0.000 | 22.200 | 23.480 | 22.240 |
| | | 1.000 | 25.000 | 22.250 | 23.500 | 22.310 |
| | | 1.000 | 49.000 | 22.140 | 23.380 | 22.210 |
| | | 25.000 | 0.000 | 21.120 | 22.520 | 20.990 |
| | | 25.000 | 12.000 | 21.120 | 22.570 | 21.030 |
| | | 25.000 | 25.000 | 21.030 | 22.530 | 21.160 |
| | | 50.000 | 0.000 | 21.050 | 22.530 | 21.030 |
| | 16QAM | 1.000 | 0.000 | 21.020 | 22.740 | 21.240 |
| | | 1.000 | 25.000 | 20.930 | 22.570 | 20.910 |
| | | 1.000 | 49.000 | 20.920 | 22.440 | 21.110 |
| | | 25.000 | 0.000 | 20.120 | 21.530 | 20.110 |
| | | 25.000 | 12.000 | 20.230 | 21.490 | 20.080 |
| | | 25.000 | 25.000 | 20.040 | 21.480 | 20.160 |
| | | 50.000 | 0.000 | 20.100 | 21.480 | 20.200 |
| | 64QAM | 1.000 | 0.000 | 20.430 | 21.460 | 20.250 |
| | | 1.000 | 25.000 | 20.390 | 21.420 | 20.050 |
| | | 1.000 | 49.000 | 20.370 | 21.450 | 20.030 |
| | | 25.000 | 0.000 | 19.090 | 20.430 | 19.110 |
| | | 25.000 | 12.000 | 19.090 | 20.460 | 19.130 |
| | | 25.000 | 25.000 | 19.050 | 20.440 | 19.220 |
| | | 50.000 | 0.000 | 19.050 | 20.540 | 19.110 |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) | | |
|--------|------------|---------|-----------|----------------------|-----------|-----------|
| | | | | 39725.000 | 40620.000 | 41515.000 |
| | | | | 2503.500 | 2593.000 | 2682.500 |
| 15.000 | QPSK | 1.000 | 0.000 | 22.100 | 23.500 | 22.280 |
| | | 1.000 | 37.000 | 22.000 | 23.450 | 22.220 |
| | | 1.000 | 74.000 | 21.980 | 23.540 | 22.290 |
| | | 36.000 | 0.000 | 21.050 | 22.660 | 21.450 |
| | | 36.000 | 29.000 | 21.020 | 22.600 | 21.480 |
| | | 36.000 | 30.000 | 21.060 | 22.600 | 21.470 |
| | | 75.000 | 0.000 | 21.100 | 22.620 | 21.380 |
| | 16QAM | 1.000 | 0.000 | 21.200 | 22.720 | 21.590 |
| | | 1.000 | 37.000 | 21.280 | 22.590 | 21.500 |
| | | 1.000 | 74.000 | 21.350 | 22.650 | 21.570 |
| | | 36.000 | 0.000 | 20.170 | 21.620 | 20.450 |
| | | 36.000 | 29.000 | 20.110 | 21.560 | 20.490 |
| | | 36.000 | 30.000 | 20.160 | 21.610 | 20.440 |
| | | 75.000 | 0.000 | 20.190 | 21.550 | 20.400 |
| | 64QAM | 1.000 | 0.000 | 20.120 | 21.850 | 20.270 |
| | | 1.000 | 37.000 | 20.140 | 21.770 | 20.250 |
| | | 1.000 | 74.000 | 20.080 | 21.830 | 20.350 |
| | | 36.000 | 0.000 | 19.020 | 20.630 | 19.080 |
| | | 36.000 | 29.000 | 19.200 | 20.590 | 19.120 |
| | | 36.000 | 30.000 | 19.170 | 20.610 | 19.120 |
| | | 75.000 | 0.000 | 19.290 | 20.600 | 19.040 |

| BW | Modulation | RB Size | RB Offset | Conducted power(dBm) | | |
|--------|------------|---------|-----------|----------------------|-----------|-----------|
| | | | | 39750.000 | 40620.000 | 41490.000 |
| | | | | 2506.000 | 2593.000 | 2680.000 |
| 20.000 | QPSK | 1.000 | 0.000 | 22.290 | 23.600 | 22.380 |
| | | 1.000 | 49.000 | 22.250 | 23.530 | 22.200 |
| | | 1.000 | 99.000 | 22.150 | 23.590 | 22.310 |
| | | 50.000 | 0.000 | 21.270 | 22.510 | 21.160 |
| | | 50.000 | 24.000 | 21.210 | 22.520 | 21.220 |
| | | 50.000 | 50.000 | 21.180 | 22.530 | 21.150 |
| | | 100.000 | 0.000 | 21.010 | 22.560 | 21.190 |
| | 16QAM | 1.000 | 0.000 | 21.240 | 22.780 | 21.350 |
| | | 1.000 | 49.000 | 21.220 | 22.610 | 21.260 |
| | | 1.000 | 99.000 | 21.490 | 22.590 | 21.400 |
| | | 50.000 | 0.000 | 20.100 | 21.540 | 20.060 |
| | | 50.000 | 24.000 | 20.190 | 21.540 | 20.120 |
| | | 50.000 | 50.000 | 20.150 | 21.480 | 20.110 |
| | | 100.000 | 0.000 | 20.140 | 21.510 | 20.150 |
| | 64QAM | 1.000 | 0.000 | 20.660 | 21.210 | 20.230 |
| | | 1.000 | 49.000 | 20.200 | 21.230 | 20.120 |
| | | 1.000 | 99.000 | 20.280 | 21.320 | 20.290 |
| | | 50.000 | 0.000 | 19.180 | 20.620 | 19.210 |
| | | 50.000 | 24.000 | 19.120 | 20.740 | 19.280 |
| | | 50.000 | 50.000 | 19.080 | 20.670 | 19.260 |
| | | 100.000 | 0.000 | 19.130 | 20.690 | 19.230 |

2 Occupied Bandwidth

| Band | Mode | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) | |
|------|------|-------------------------|---------|----------|---------|-----------|------------------------------|--------|
| 41 | QPSK | 2498.5 | 39675 | 5 | 25 | 0 | 4.460 | Fig.1 |
| 41 | QPSK | 2593 | 40620 | 5 | 25 | 0 | 4.470 | Fig.2 |
| 41 | QPSK | 2687.5 | 41565 | 5 | 25 | 0 | 4.470 | Fig.3 |
| 41 | QPSK | 2501 | 39700 | 10 | 50 | 0 | 8.890 | Fig.4 |
| 41 | QPSK | 2593 | 40620 | 10 | 50 | 0 | 8.910 | Fig.5 |
| 41 | QPSK | 2685 | 41540 | 10 | 50 | 0 | 8.890 | Fig.6 |
| 41 | QPSK | 2503.5 | 39725 | 15 | 75 | 0 | 13.390 | Fig.7 |
| 41 | QPSK | 2593 | 40620 | 15 | 75 | 0 | 13.310 | Fig.8 |
| 41 | QPSK | 2682.5 | 41515 | 15 | 75 | 0 | 13.300 | Fig.9 |
| 41 | QPSK | 2506 | 39750 | 20 | 100 | 0 | 17.800 | Fig.10 |
| 41 | QPSK | 2593 | 40620 | 20 | 100 | 0 | 17.790 | Fig.11 |
| 41 | QPSK | 2680 | 41490 | 20 | 100 | 0 | 17.840 | Fig.12 |

| Band | Mode | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) | |
|------|-------|-------------------------|---------|----------|---------|-----------|------------------------------|--------|
| 41 | 16QAM | 2498.5 | 39675 | 5 | 25 | 0 | 4.460 | Fig.13 |
| 41 | 16QAM | 2593 | 40620 | 5 | 25 | 0 | 4.430 | Fig.14 |
| 41 | 16QAM | 2687.5 | 41565 | 5 | 25 | 0 | 4.470 | Fig.15 |
| 41 | 16QAM | 2501 | 39700 | 10 | 50 | 0 | 8.900 | Fig.16 |
| 41 | 16QAM | 2593 | 40620 | 10 | 50 | 0 | 8.920 | Fig.17 |
| 41 | 16QAM | 2685 | 41540 | 10 | 50 | 0 | 8.900 | Fig.18 |
| 41 | 16QAM | 2503.5 | 39725 | 15 | 75 | 0 | 13.320 | Fig.19 |
| 41 | 16QAM | 2593 | 40620 | 15 | 75 | 0 | 13.420 | Fig.20 |
| 41 | 16QAM | 2682.5 | 41515 | 15 | 75 | 0 | 13.310 | Fig.21 |
| 41 | 16QAM | 2506 | 39750 | 20 | 100 | 0 | 17.860 | Fig.22 |
| 41 | 16QAM | 2593 | 40620 | 20 | 100 | 0 | 17.830 | Fig.23 |
| 41 | 16QAM | 2680 | 41490 | 20 | 100 | 0 | 17.890 | Fig.24 |

| Band | Mode | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of 99% Power (MHz) | |
|------|-------|-------------------------|---------|----------|---------|-----------|------------------------------|--------|
| 41 | 64QAM | 2498.5 | 39675 | 5 | 25 | 0 | 4.430 | Fig.25 |
| 41 | 64QAM | 2593 | 40620 | 5 | 25 | 0 | 4.440 | Fig.26 |
| 41 | 64QAM | 2687.5 | 41565 | 5 | 25 | 0 | 4.460 | Fig.27 |
| 41 | 64QAM | 2501 | 39700 | 10 | 50 | 0 | 8.890 | Fig.28 |
| 41 | 64QAM | 2593 | 40620 | 10 | 50 | 0 | 8.950 | Fig.29 |
| 41 | 64QAM | 2685 | 41540 | 10 | 50 | 0 | 8.910 | Fig.30 |
| 41 | 64QAM | 2503.5 | 39725 | 15 | 75 | 0 | 13.390 | Fig.31 |
| 41 | 64QAM | 2593 | 40620 | 15 | 75 | 0 | 13.340 | Fig.32 |
| 41 | 64QAM | 2682.5 | 41515 | 15 | 75 | 0 | 13.410 | Fig.33 |
| 41 | 64QAM | 2506 | 39750 | 20 | 100 | 0 | 17.780 | Fig.34 |
| 41 | 64QAM | 2593 | 40620 | 20 | 100 | 0 | 17.850 | Fig.35 |
| 41 | 64QAM | 2680 | 41490 | 20 | 100 | 0 | 17.810 | Fig.36 |

Test Mode: QPSK

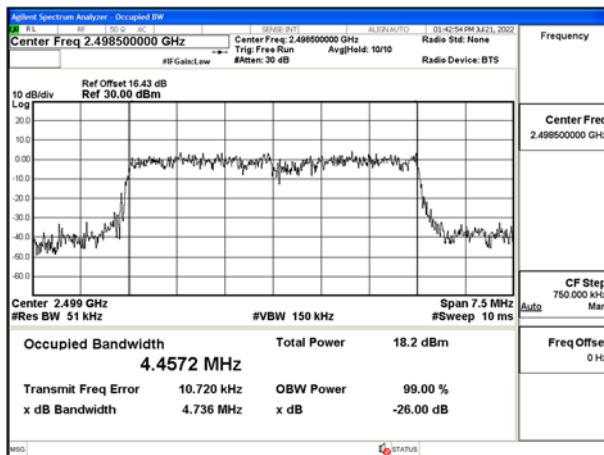


Fig.1

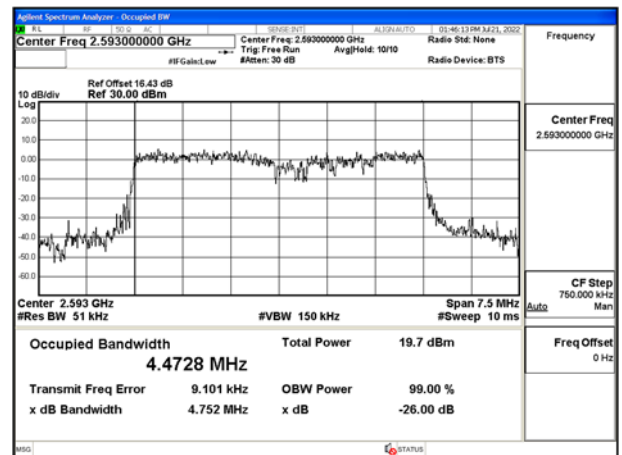


Fig.2

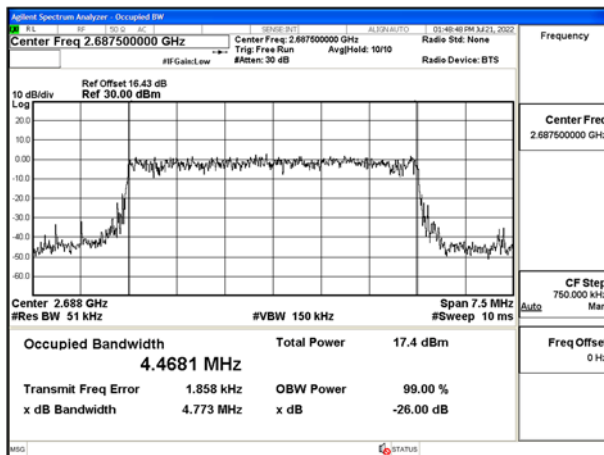


Fig.3

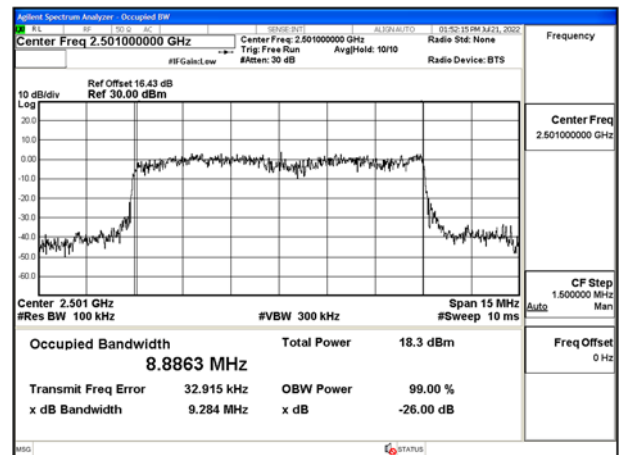


Fig.4

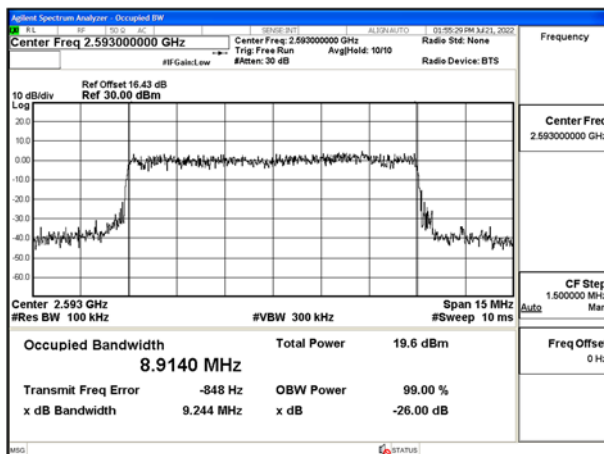


Fig.5

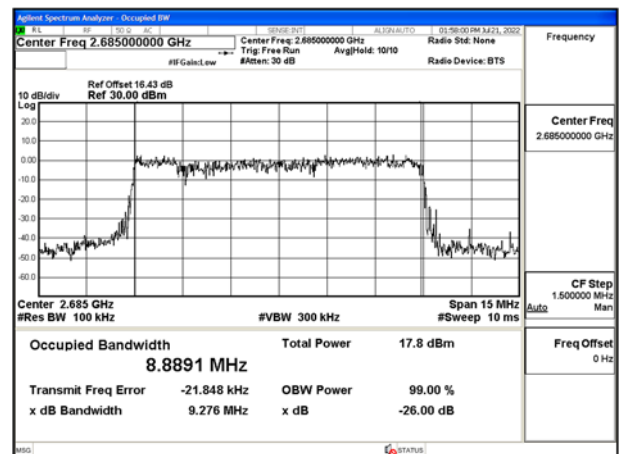


Fig.6

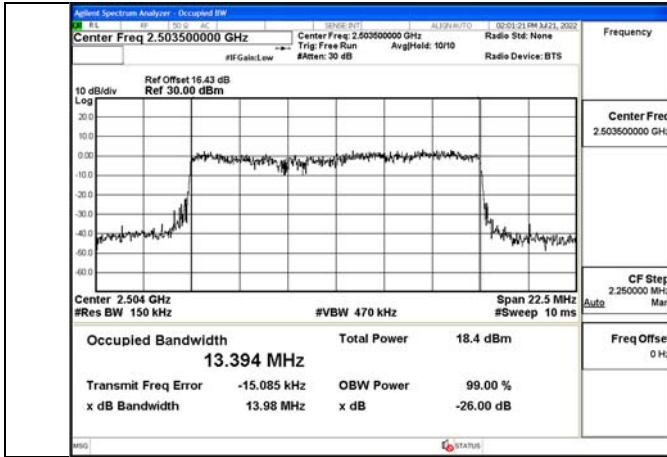


Fig.7

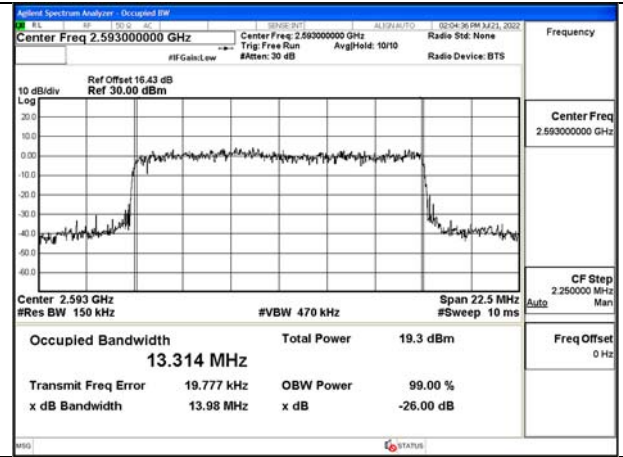


Fig.8

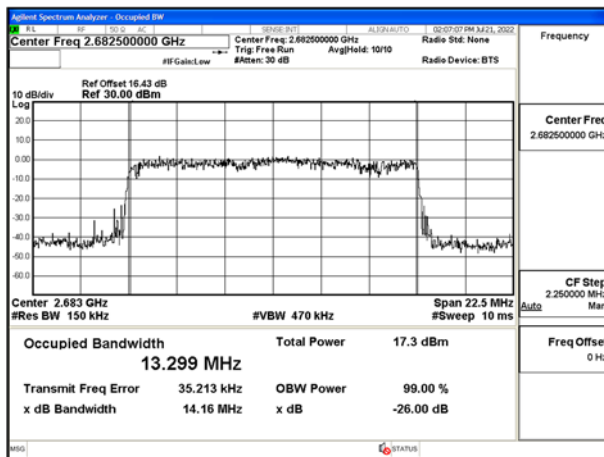


Fig.9

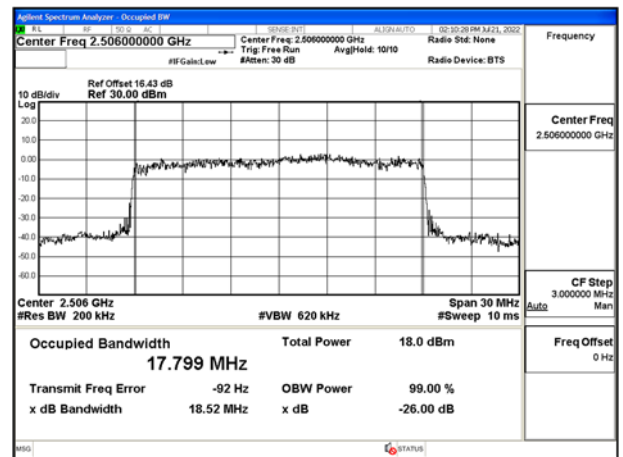


Fig.10

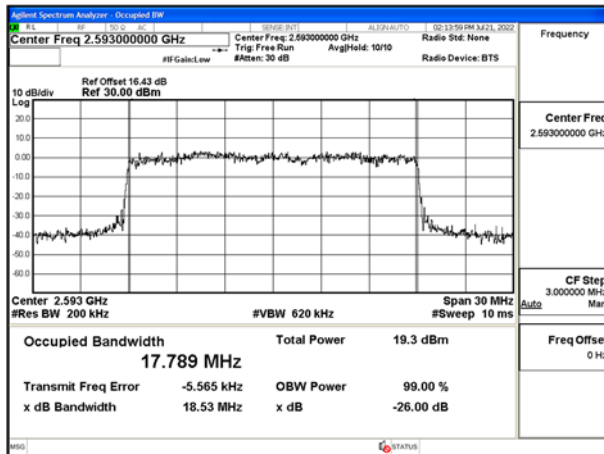


Fig.11

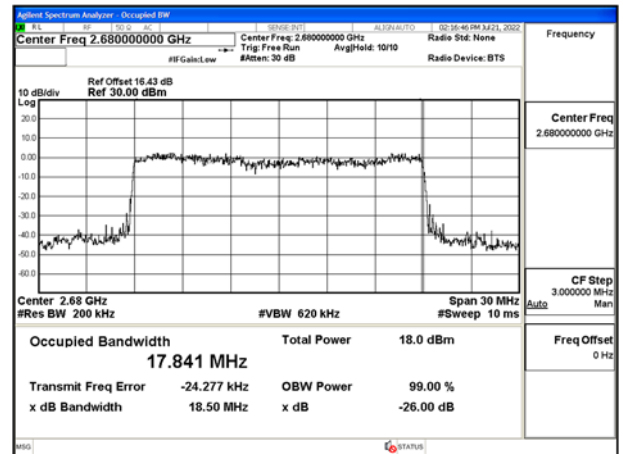


Fig.12

Test Mode: 16QAM

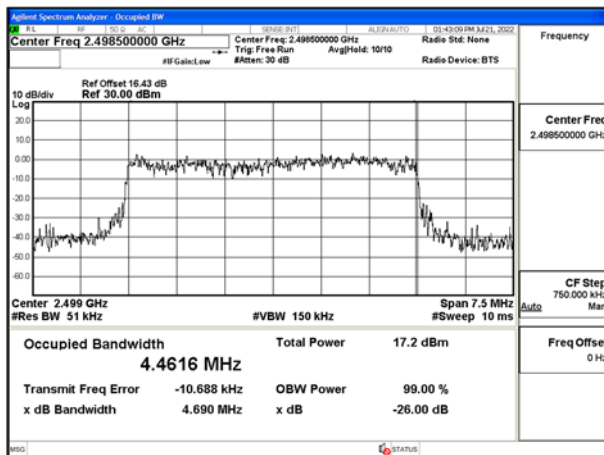


Fig.13

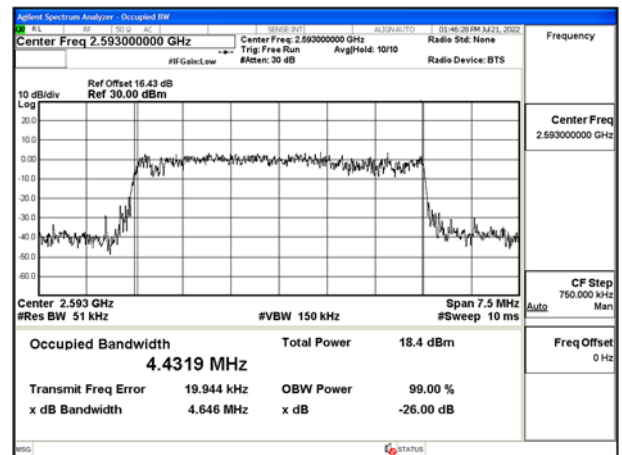


Fig.14

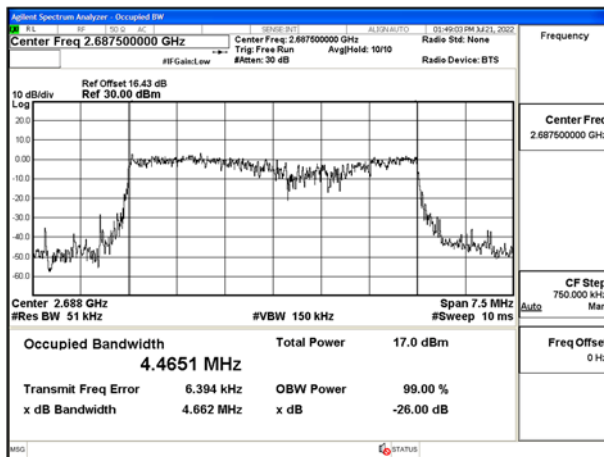


Fig.15

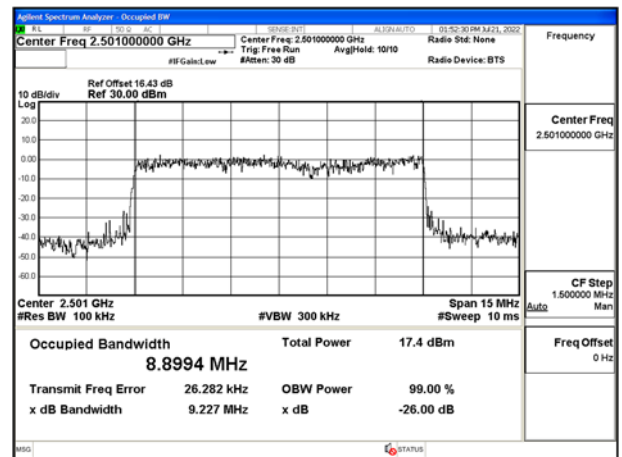


Fig.16

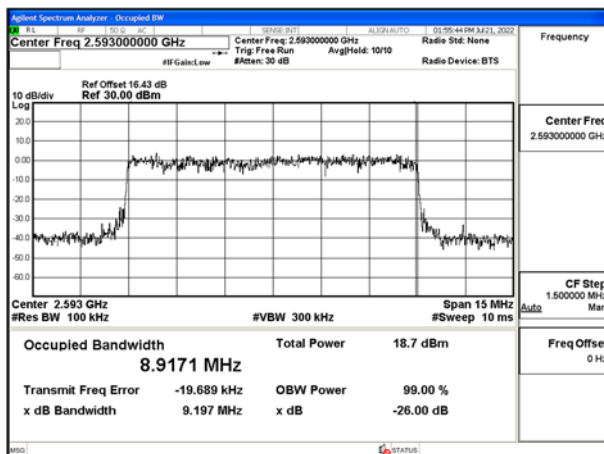


Fig.17

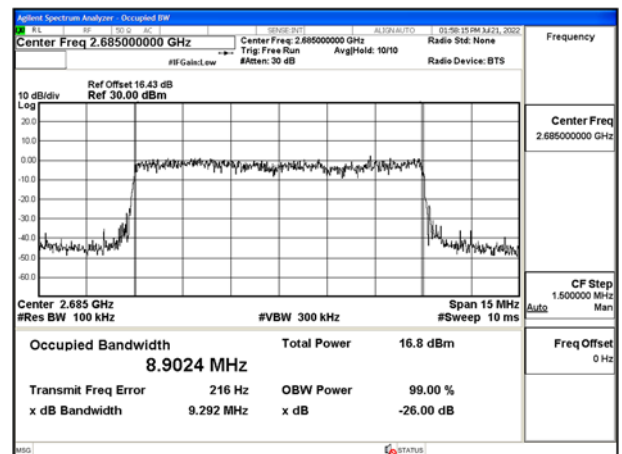


Fig.18

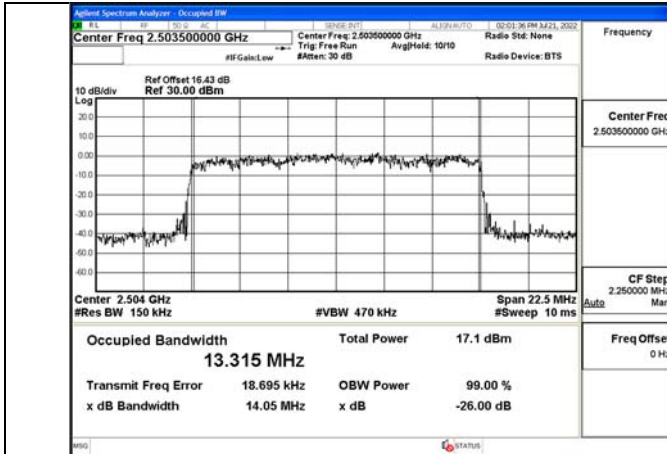


Fig.19

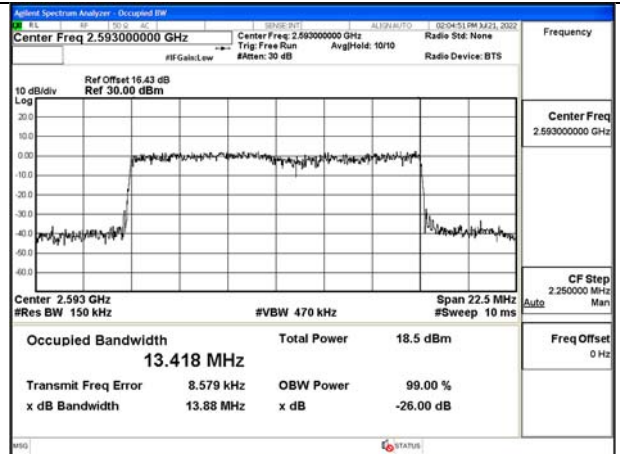


Fig.20

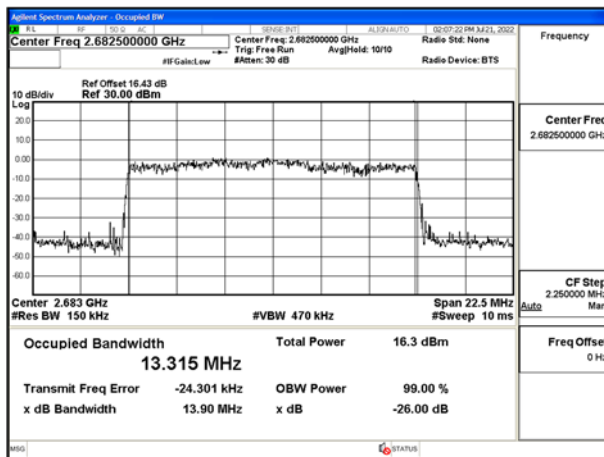


Fig.21

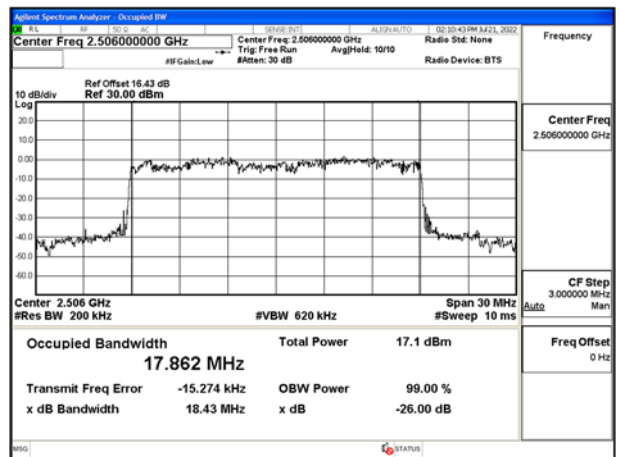


Fig.22

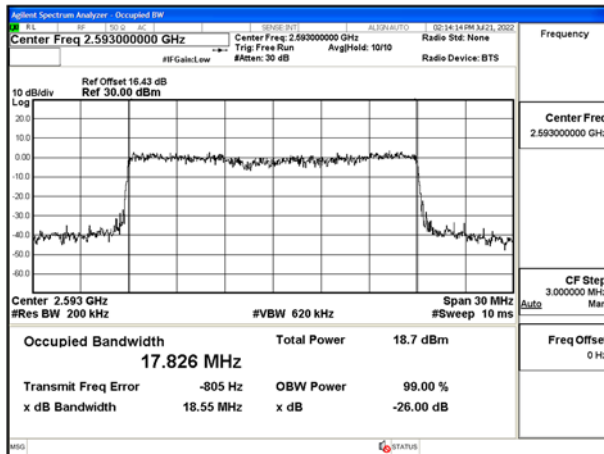


Fig.23

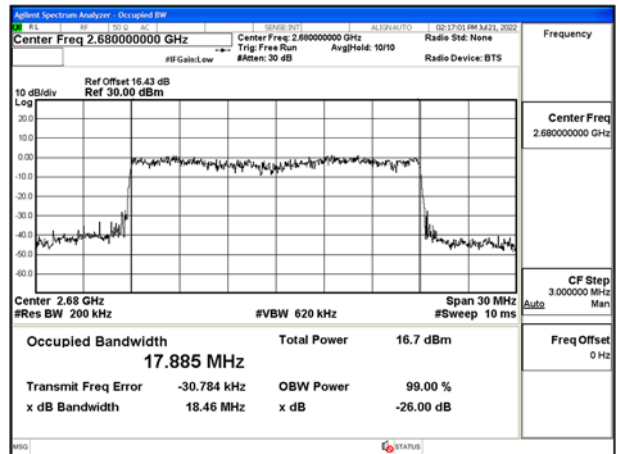


Fig.24

Test Mode: 64QAM

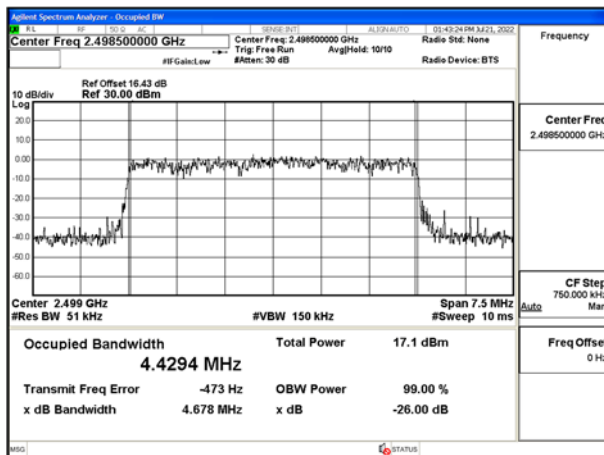


Fig.25

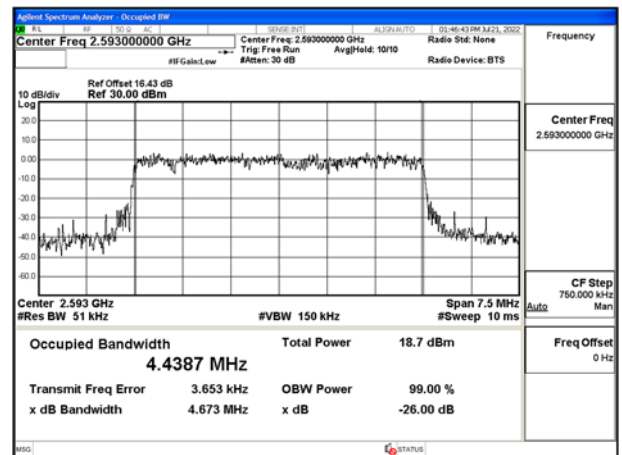


Fig.26

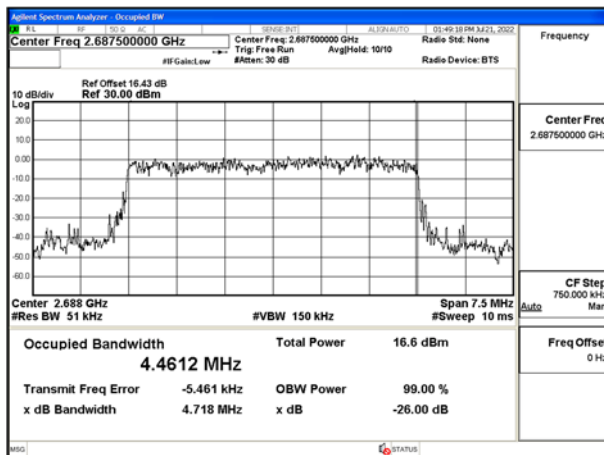


Fig.27

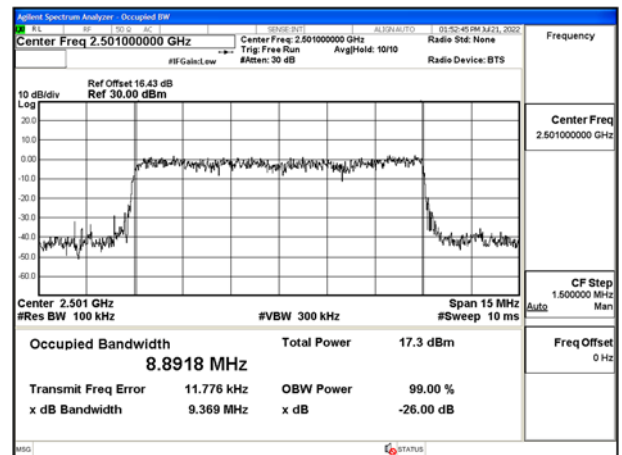


Fig.28

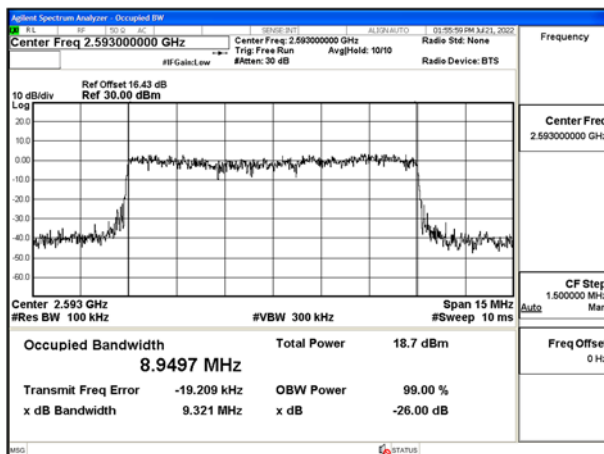


Fig.29

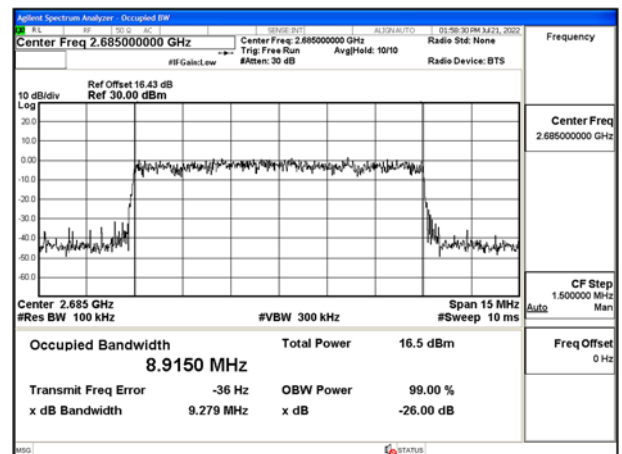


Fig.30

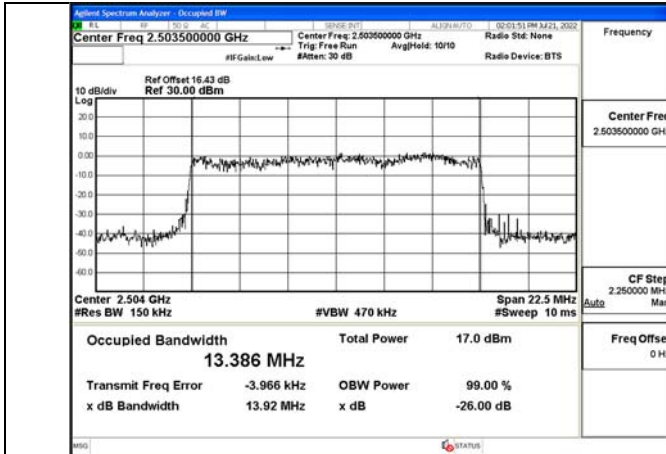


Fig.31

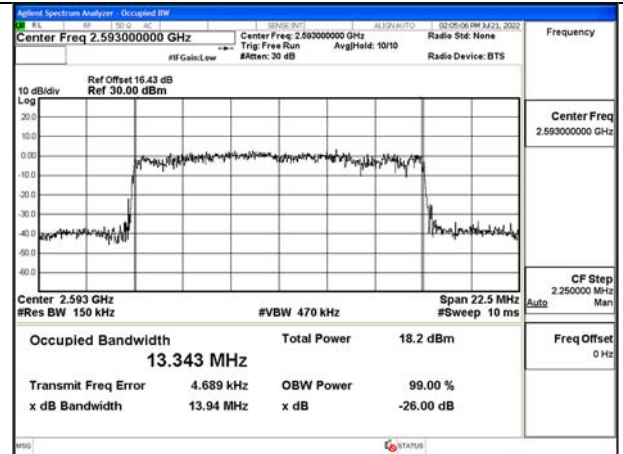


Fig.32

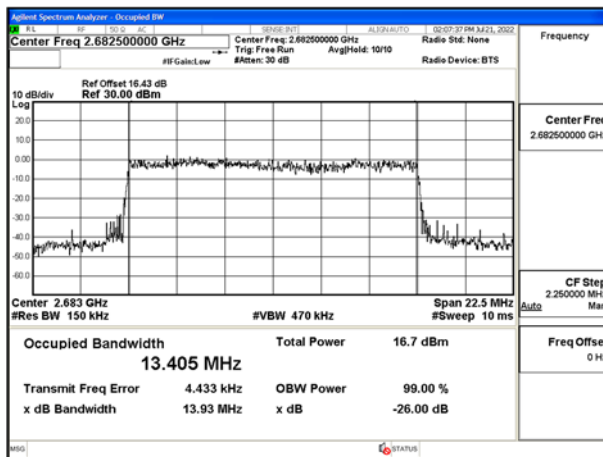


Fig.33

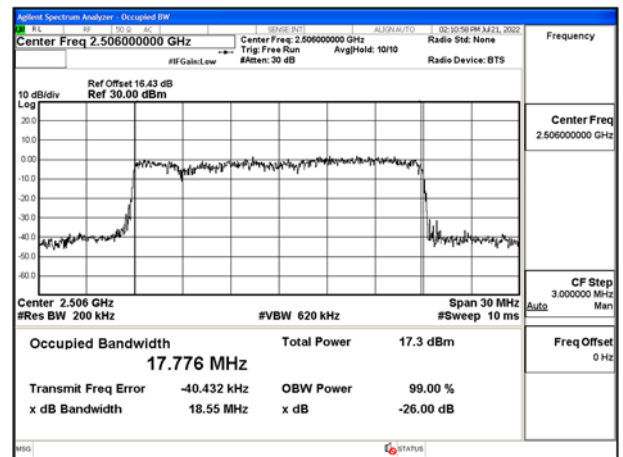


Fig.34

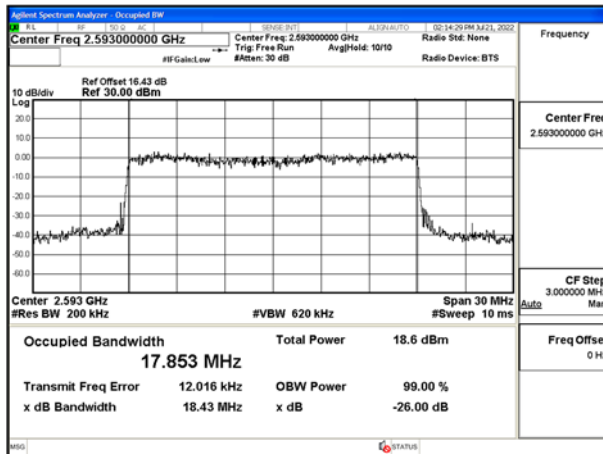


Fig.35

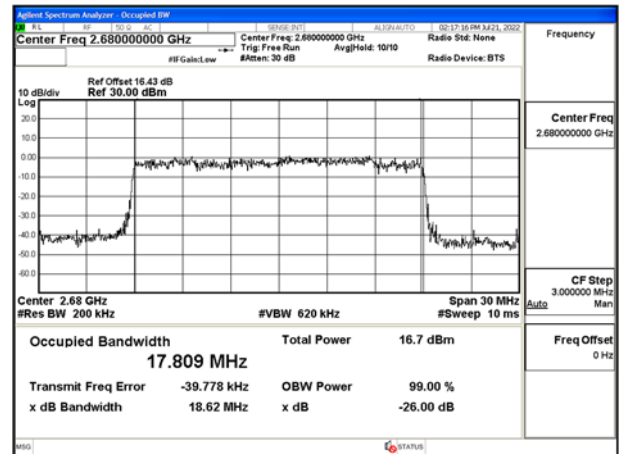


Fig.36

3 Emission Bandwidth

| Band | Mode | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) | |
|------|------|-------------------------|---------|----------|---------|-----------|--|--------|
| 41 | QPSK | 2498.5 | 39675 | 5 | 25 | 0 | 4.740 | Fig.1 |
| 41 | QPSK | 2593 | 40620 | 5 | 25 | 0 | 4.750 | Fig.2 |
| 41 | QPSK | 2687.5 | 41565 | 5 | 25 | 0 | 4.770 | Fig.3 |
| 41 | QPSK | 2501 | 39700 | 10 | 50 | 0 | 9.280 | Fig.4 |
| 41 | QPSK | 2593 | 40620 | 10 | 50 | 0 | 9.240 | Fig.5 |
| 41 | QPSK | 2685 | 41540 | 10 | 50 | 0 | 9.280 | Fig.6 |
| 41 | QPSK | 2503.5 | 39725 | 15 | 75 | 0 | 13.980 | Fig.7 |
| 41 | QPSK | 2593 | 40620 | 15 | 75 | 0 | 13.980 | Fig.8 |
| 41 | QPSK | 2682.5 | 41515 | 15 | 75 | 0 | 14.160 | Fig.9 |
| 41 | QPSK | 2506 | 39750 | 20 | 100 | 0 | 18.520 | Fig.10 |
| 41 | QPSK | 2593 | 40620 | 20 | 100 | 0 | 18.530 | Fig.11 |
| 41 | QPSK | 2680 | 41490 | 20 | 100 | 0 | 18.500 | Fig.12 |

| Band | Mode | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) | |
|------|-------|-------------------------|---------|----------|---------|-----------|--|--------|
| 41 | 16QAM | 2498.5 | 39675 | 5 | 25 | 0 | 4.690 | Fig.13 |
| 41 | 16QAM | 2593 | 40620 | 5 | 25 | 0 | 4.650 | Fig.14 |
| 41 | 16QAM | 2687.5 | 41565 | 5 | 25 | 0 | 4.660 | Fig.15 |
| 41 | 16QAM | 2501 | 39700 | 10 | 50 | 0 | 9.230 | Fig.16 |
| 41 | 16QAM | 2593 | 40620 | 10 | 50 | 0 | 9.200 | Fig.17 |
| 41 | 16QAM | 2685 | 41540 | 10 | 50 | 0 | 9.290 | Fig.18 |
| 41 | 16QAM | 2503.5 | 39725 | 15 | 75 | 0 | 14.050 | Fig.19 |
| 41 | 16QAM | 2593 | 40620 | 15 | 75 | 0 | 13.880 | Fig.20 |
| 41 | 16QAM | 2682.5 | 41515 | 15 | 75 | 0 | 13.900 | Fig.21 |
| 41 | 16QAM | 2506 | 39750 | 20 | 100 | 0 | 18.430 | Fig.22 |
| 41 | 16QAM | 2593 | 40620 | 20 | 100 | 0 | 18.550 | Fig.23 |
| 41 | 16QAM | 2680 | 41490 | 20 | 100 | 0 | 18.460 | Fig.24 |

| Band | Mode | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | Bandwidth of -26dB transmitter power (MHz) | |
|------|-------|-------------------------|---------|----------|---------|-----------|--|--------|
| 41 | 64QAM | 2498.5 | 39675 | 5 | 25 | 0 | 4.680 | Fig.25 |
| 41 | 64QAM | 2593 | 40620 | 5 | 25 | 0 | 4.670 | Fig.26 |
| 41 | 64QAM | 2687.5 | 41565 | 5 | 25 | 0 | 4.720 | Fig.27 |
| 41 | 64QAM | 2501 | 39700 | 10 | 50 | 0 | 9.370 | Fig.28 |
| 41 | 64QAM | 2593 | 40620 | 10 | 50 | 0 | 9.320 | Fig.29 |
| 41 | 64QAM | 2685 | 41540 | 10 | 50 | 0 | 9.280 | Fig.30 |
| 41 | 64QAM | 2503.5 | 39725 | 15 | 75 | 0 | 13.920 | Fig.31 |
| 41 | 64QAM | 2593 | 40620 | 15 | 75 | 0 | 13.940 | Fig.32 |
| 41 | 64QAM | 2682.5 | 41515 | 15 | 75 | 0 | 13.930 | Fig.33 |
| 41 | 64QAM | 2506 | 39750 | 20 | 100 | 0 | 18.550 | Fig.34 |
| 41 | 64QAM | 2593 | 40620 | 20 | 100 | 0 | 18.430 | Fig.35 |
| 41 | 64QAM | 2680 | 41490 | 20 | 100 | 0 | 18.620 | Fig.36 |

Test Mode: QPSK

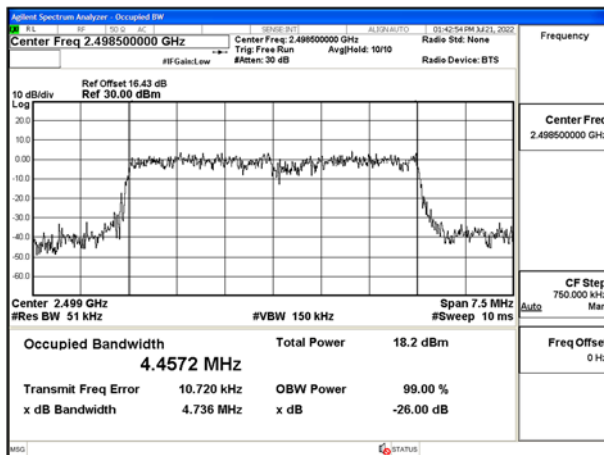


Fig.1

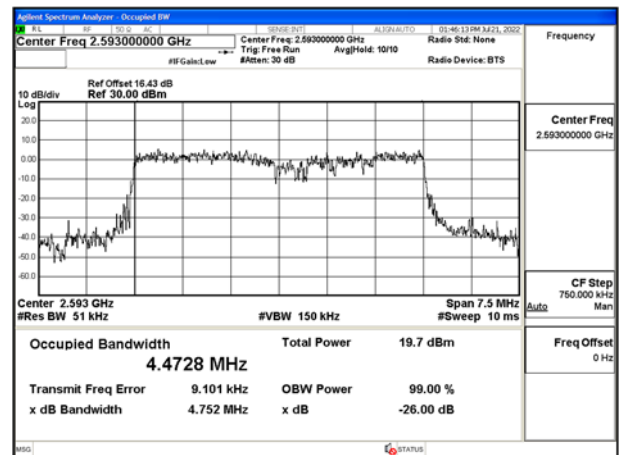


Fig.2

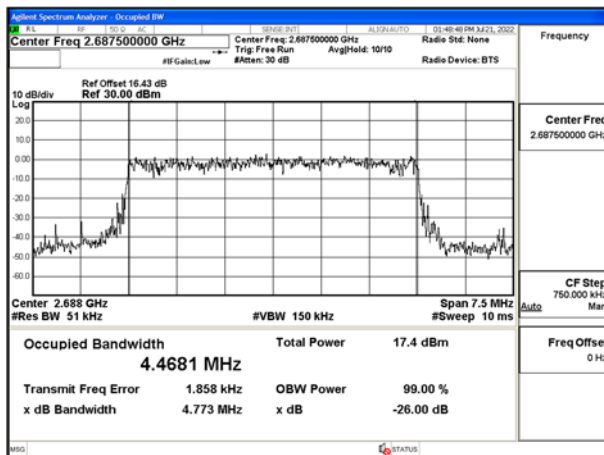


Fig.3

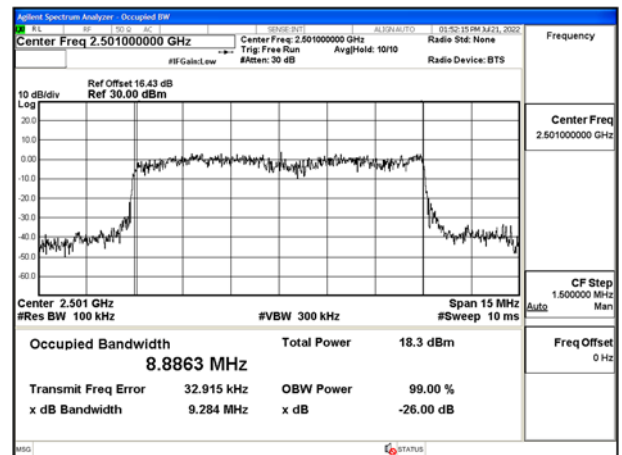


Fig.4

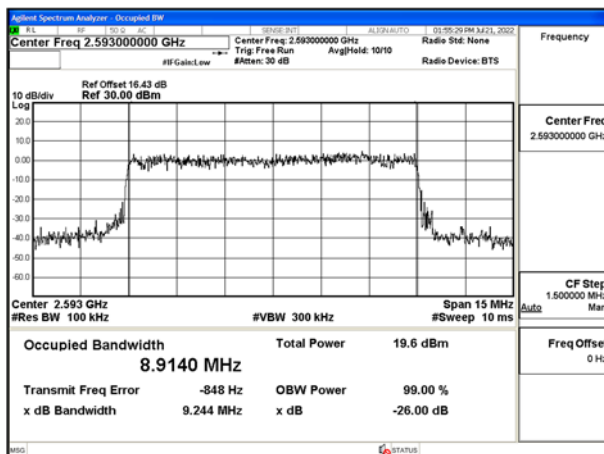


Fig.5

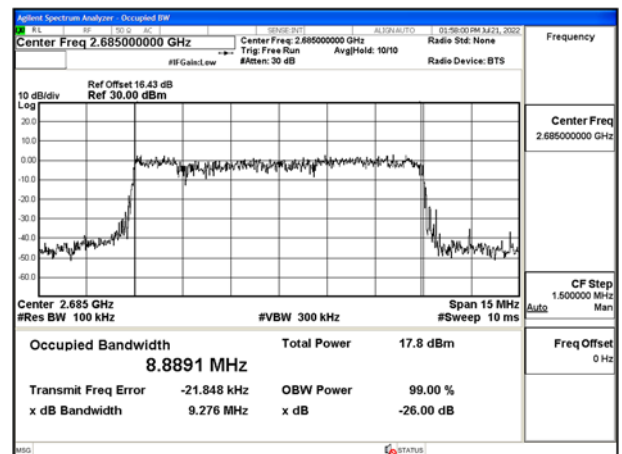


Fig.6

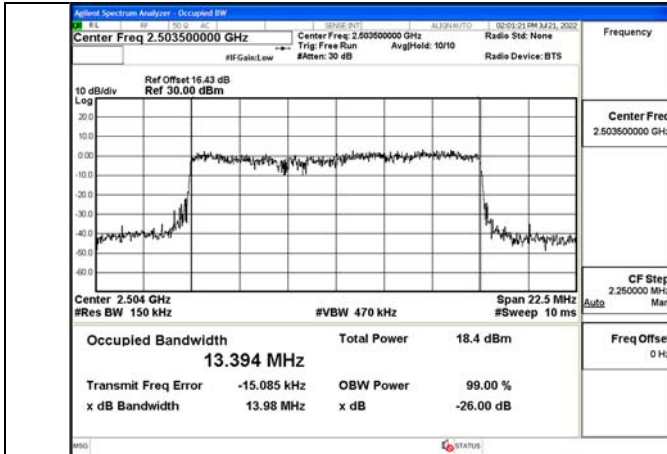


Fig.7

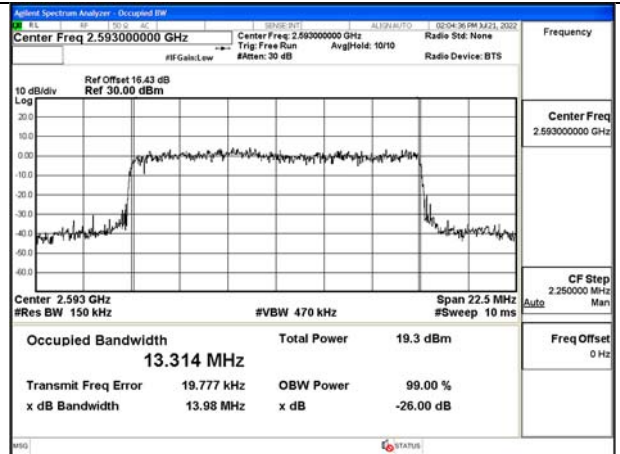


Fig.8

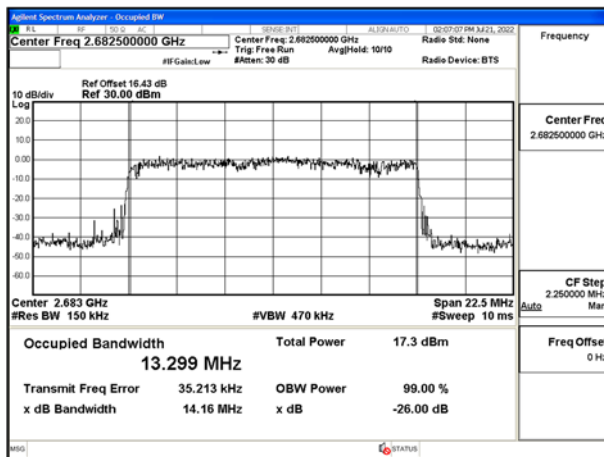


Fig.9

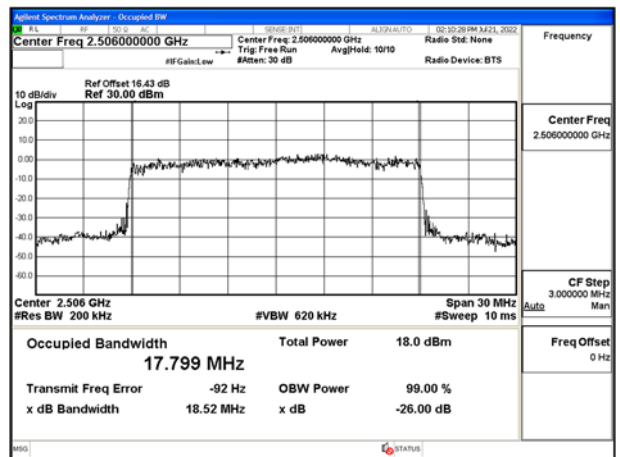


Fig.10

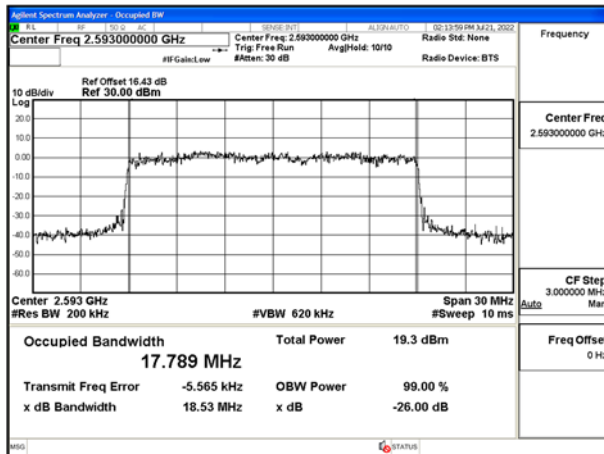


Fig.11

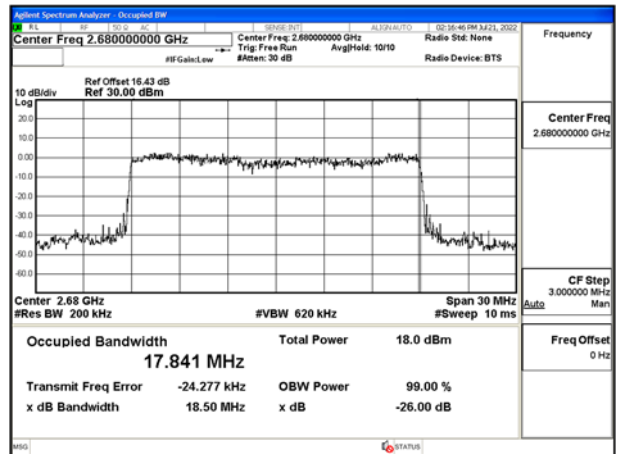


Fig.12

Test Mode: 16QAM

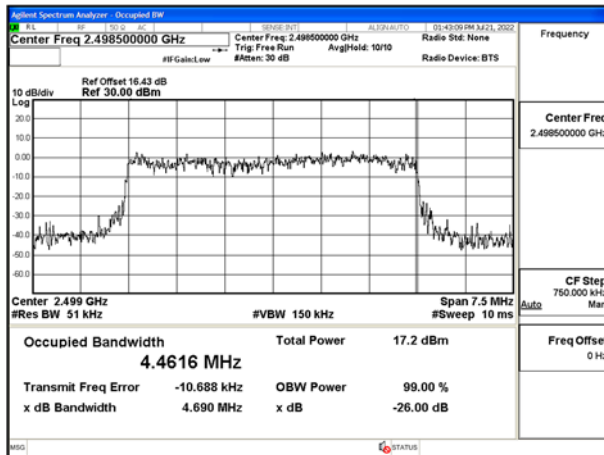


Fig.13

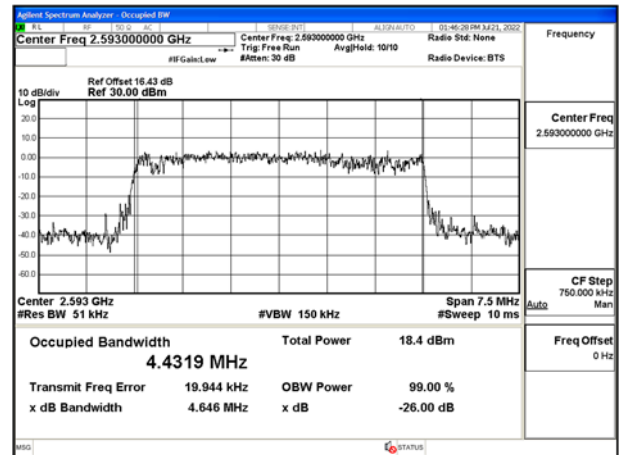


Fig.14

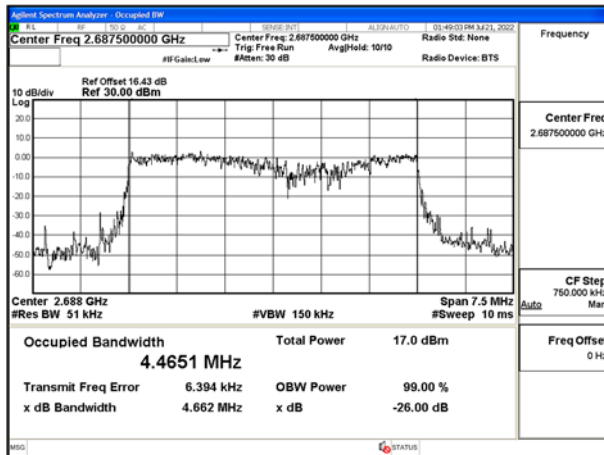


Fig.15

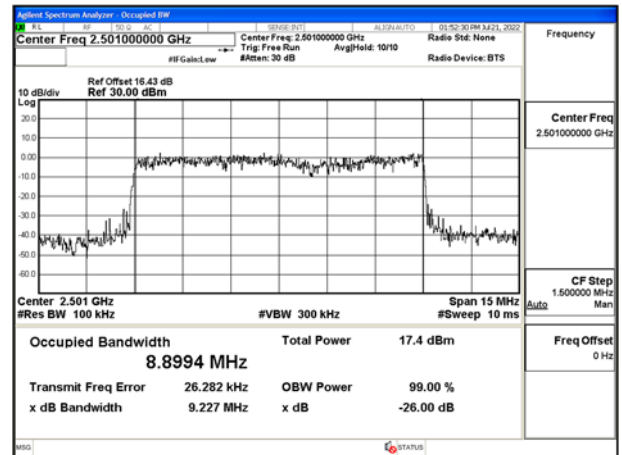


Fig.16

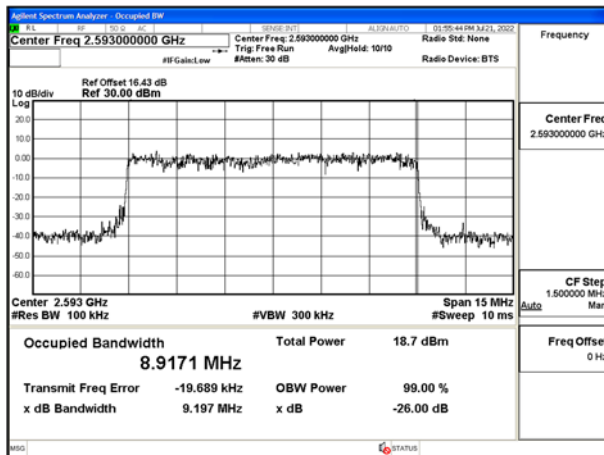


Fig.17

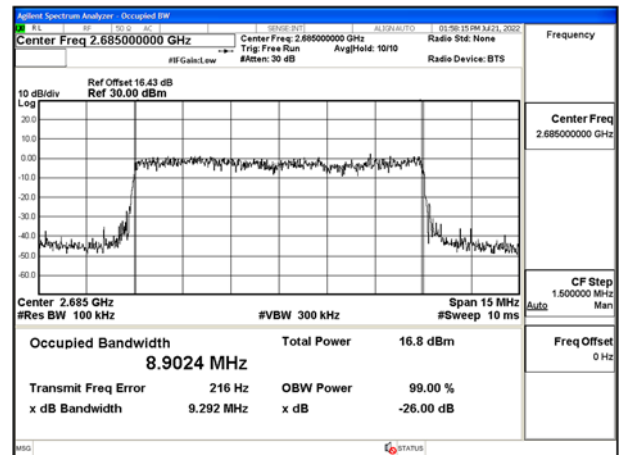


Fig.18

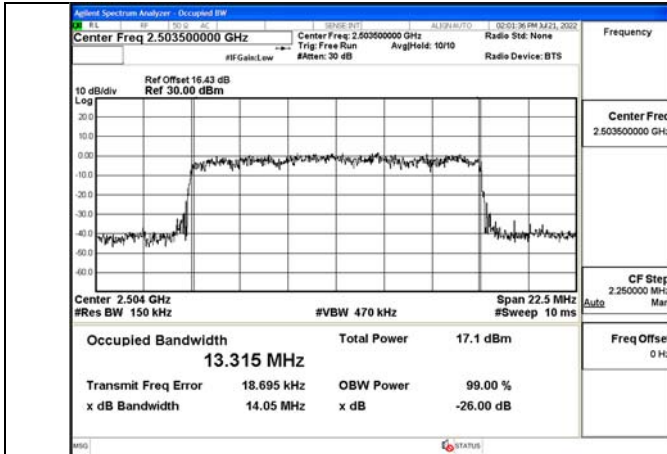


Fig.19

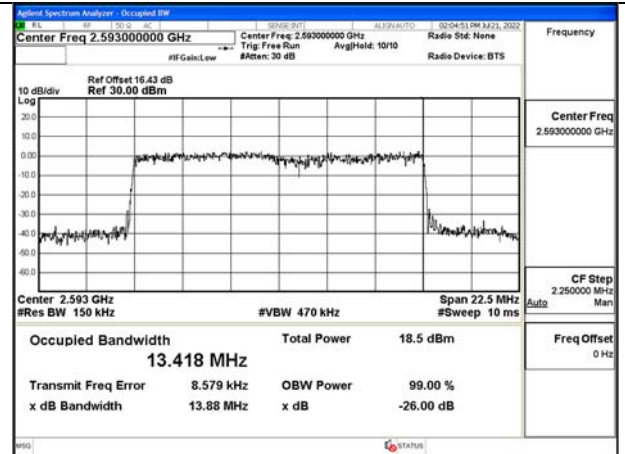


Fig.20

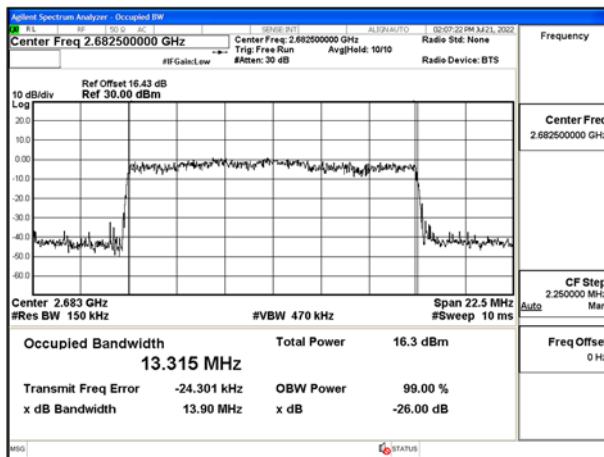


Fig.21

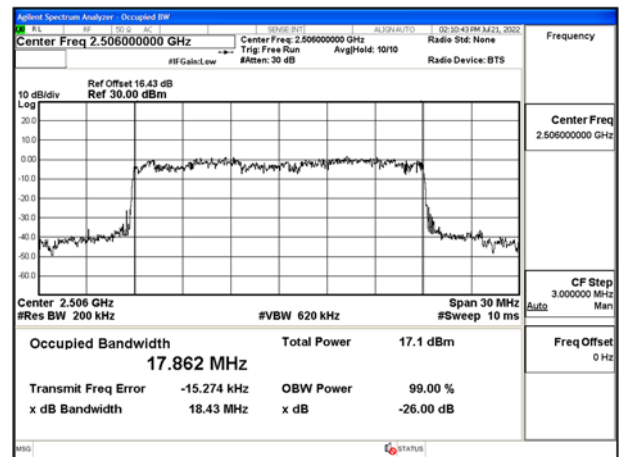


Fig.22

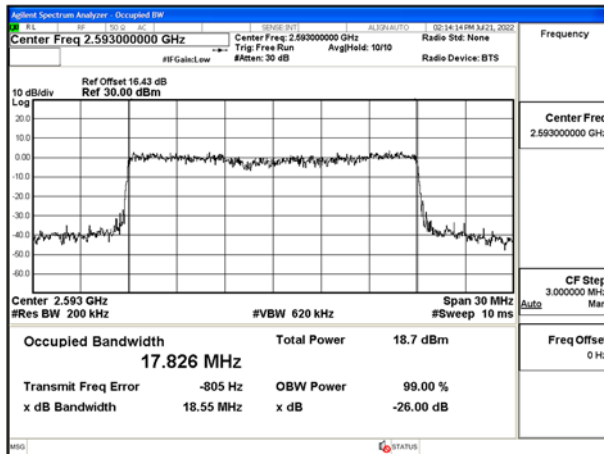


Fig.23

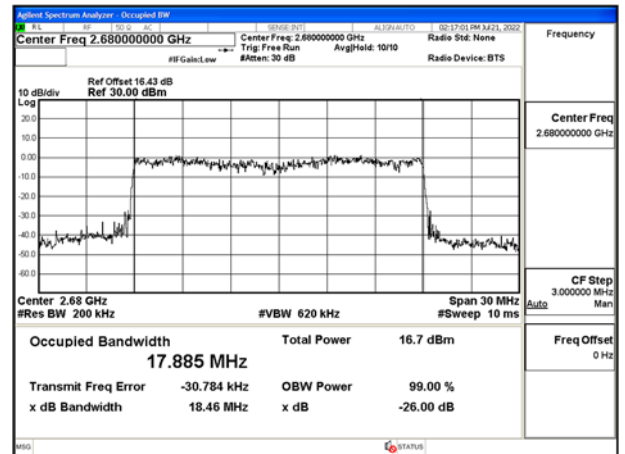


Fig.24

Test Mode: 64QAM

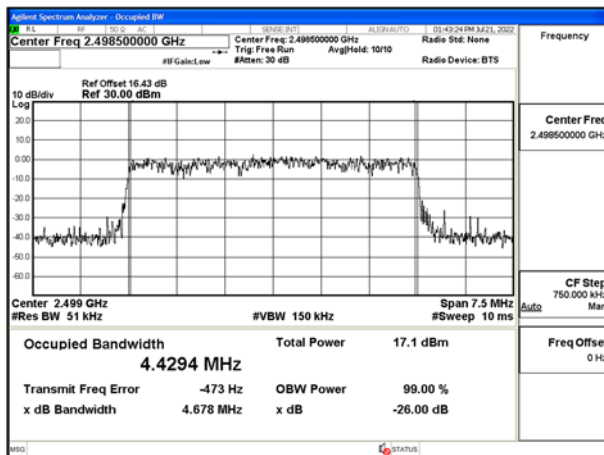


Fig.25

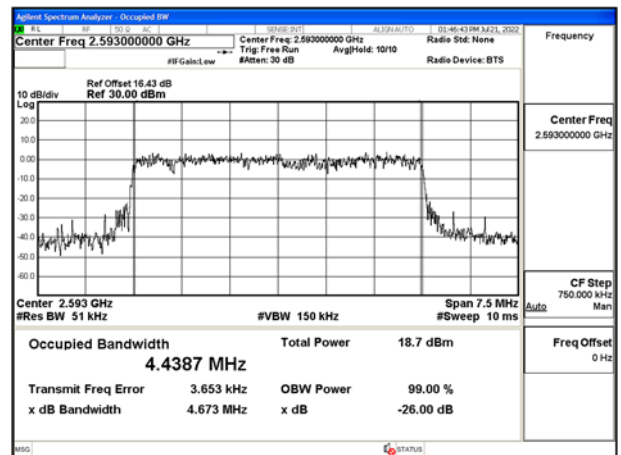


Fig.26

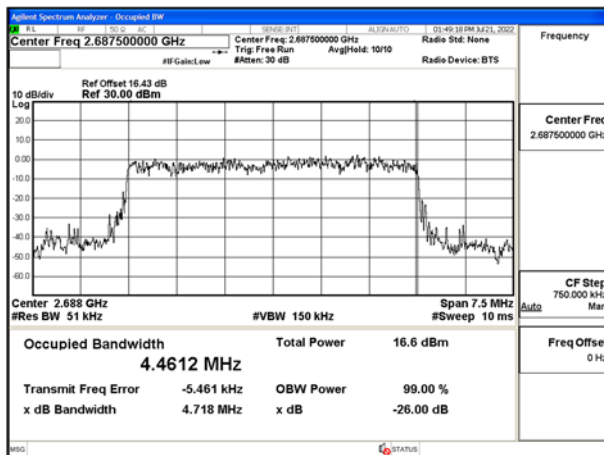


Fig.27

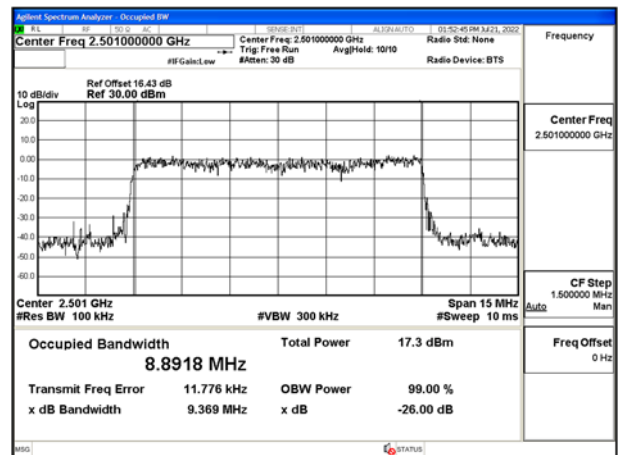


Fig.28

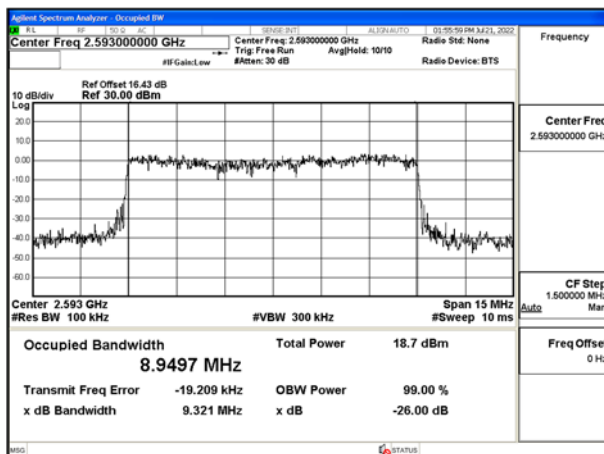


Fig.29

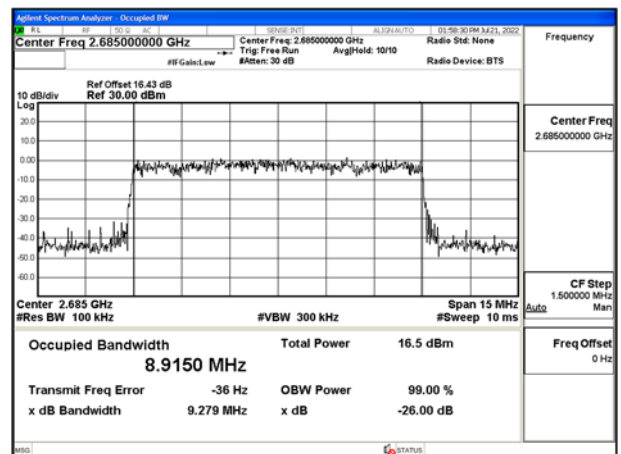


Fig.30

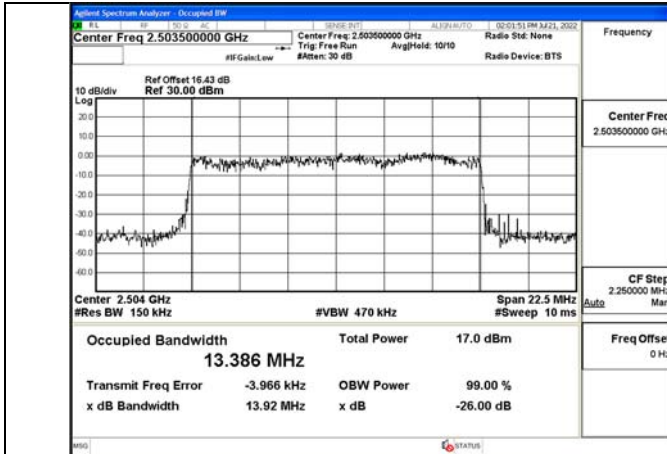


Fig.31

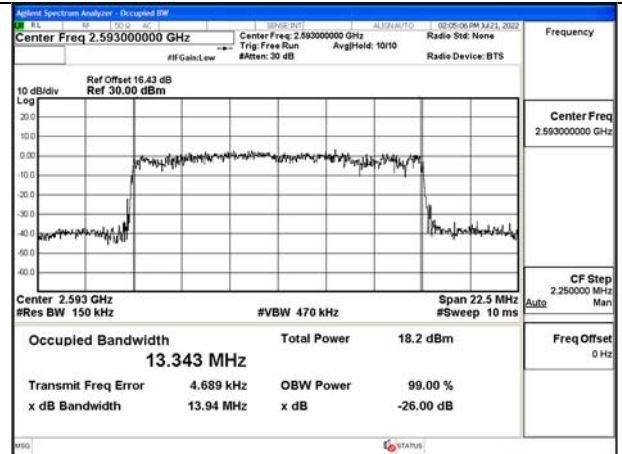


Fig.32

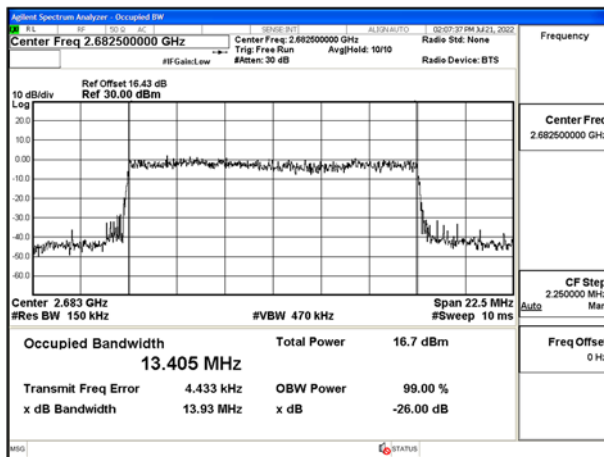


Fig.33

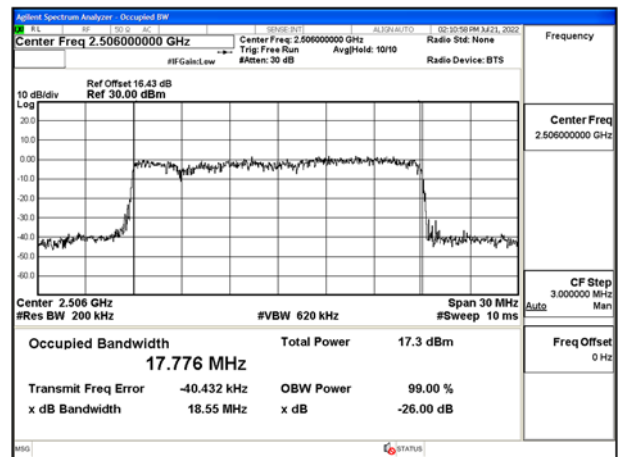


Fig.34

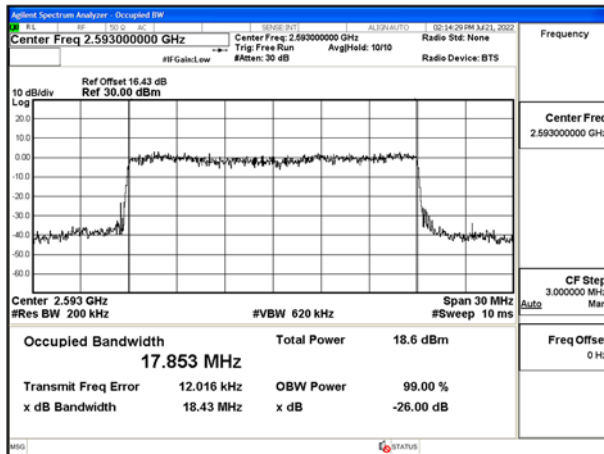


Fig.35

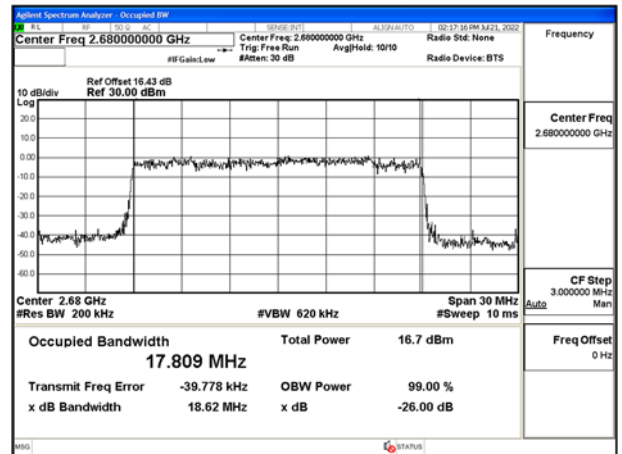


Fig.36

4 Peak-Average Ratio

| Band | Carrier frequency (MHz) | Channel | BW (MHz) | RB Size | RB Offset | QPSK | 16-QAM | 64-QAM |
|------|-------------------------|---------|----------|---------|-----------|--------|--------|--------|
| 41 | 2498.5 | 39675 | 5 | 1 | 24 | Fig.1 | Fig.2 | Fig.3 |
| 41 | 2498.5 | 39675 | 5 | 25 | 0 | Fig.4 | Fig.5 | Fig.6 |
| 41 | 2593 | 40620 | 5 | 1 | 24 | Fig.7 | Fig.8 | Fig.9 |
| 41 | 2593 | 40620 | 5 | 25 | 0 | Fig.10 | Fig.11 | Fig.12 |
| 41 | 2687.5 | 41565 | 5 | 1 | 24 | Fig.13 | Fig.14 | Fig.15 |
| 41 | 2687.5 | 41565 | 5 | 25 | 0 | Fig.16 | Fig.17 | Fig.18 |
| 41 | 2501 | 39700 | 10 | 1 | 49 | Fig.19 | Fig.20 | Fig.21 |
| 41 | 2501 | 39700 | 10 | 50 | 0 | Fig.22 | Fig.23 | Fig.24 |
| 41 | 2593 | 40620 | 10 | 1 | 49 | Fig.25 | Fig.26 | Fig.27 |
| 41 | 2593 | 40620 | 10 | 50 | 0 | Fig.28 | Fig.29 | Fig.30 |
| 41 | 2685 | 41540 | 10 | 1 | 49 | Fig.31 | Fig.32 | Fig.33 |
| 41 | 2685 | 41540 | 10 | 50 | 0 | Fig.34 | Fig.35 | Fig.36 |
| 41 | 2503.5 | 39725 | 15 | 1 | 74 | Fig.37 | Fig.38 | Fig.39 |
| 41 | 2503.5 | 39725 | 15 | 75 | 0 | Fig.40 | Fig.41 | Fig.42 |
| 41 | 2593 | 40620 | 15 | 1 | 74 | Fig.43 | Fig.44 | Fig.45 |
| 41 | 2593 | 40620 | 15 | 75 | 0 | Fig.46 | Fig.47 | Fig.48 |
| 41 | 2682.5 | 41515 | 15 | 1 | 74 | Fig.49 | Fig.50 | Fig.51 |
| 41 | 2682.5 | 41515 | 15 | 75 | 0 | Fig.52 | Fig.53 | Fig.54 |
| 41 | 2506 | 39750 | 20 | 1 | 99 | Fig.55 | Fig.56 | Fig.57 |
| 41 | 2506 | 39750 | 20 | 100 | 0 | Fig.58 | Fig.59 | Fig.60 |
| 41 | 2593 | 40620 | 20 | 1 | 99 | Fig.61 | Fig.62 | Fig.63 |
| 41 | 2593 | 40620 | 20 | 100 | 0 | Fig.64 | Fig.65 | Fig.66 |
| 41 | 2680 | 41490 | 20 | 1 | 99 | Fig.67 | Fig.68 | Fig.69 |
| 41 | 2680 | 41490 | 20 | 100 | 0 | Fig.70 | Fig.71 | Fig.72 |

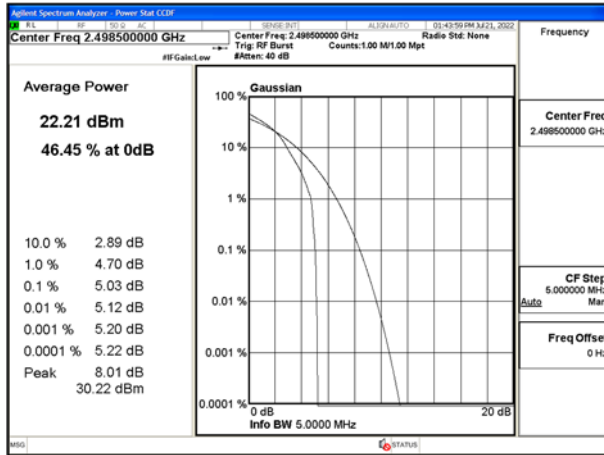


Fig.1

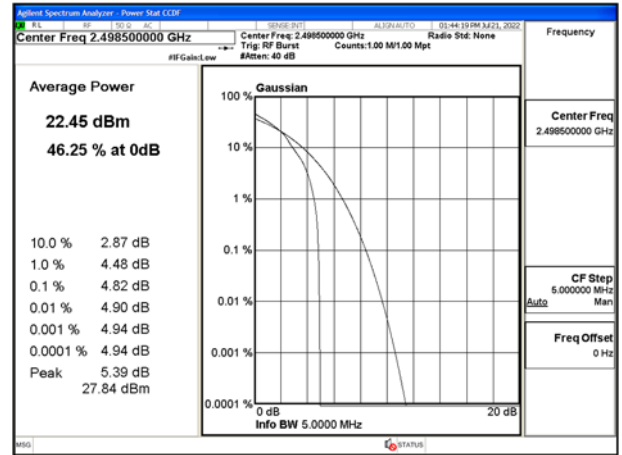


Fig.2

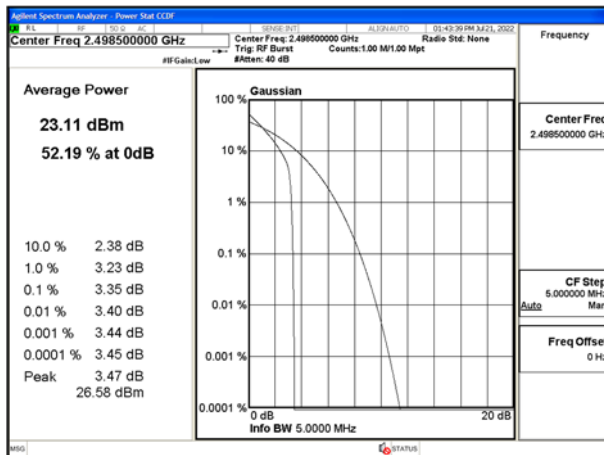


Fig.3

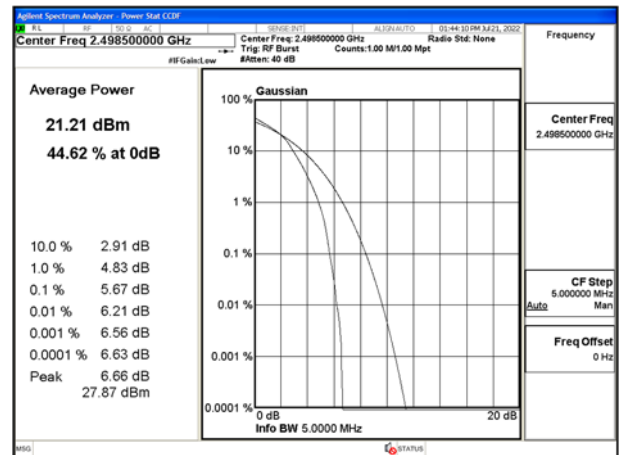


Fig.4

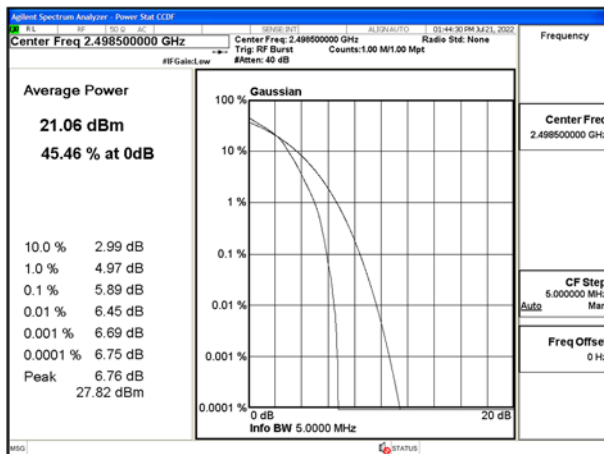


Fig.5

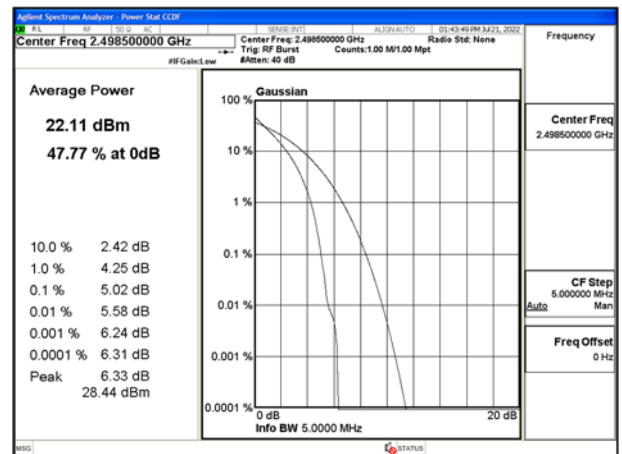


Fig.6

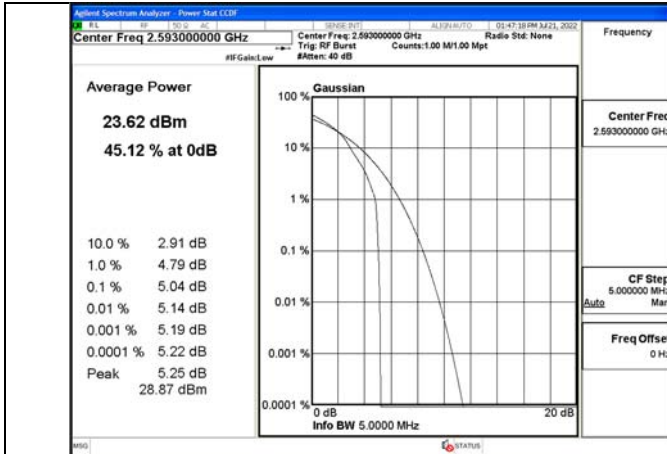


Fig.7

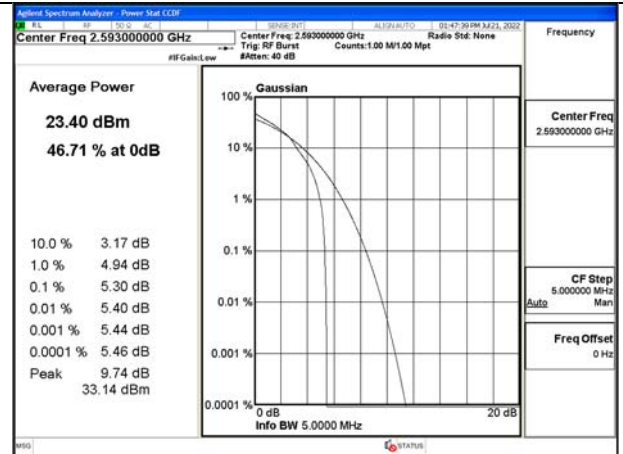


Fig.8

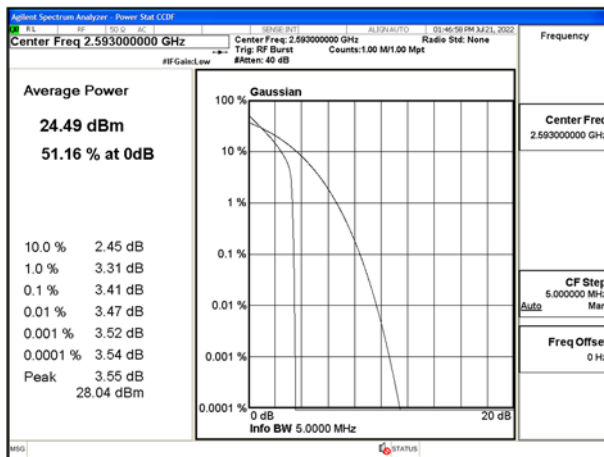


Fig.9

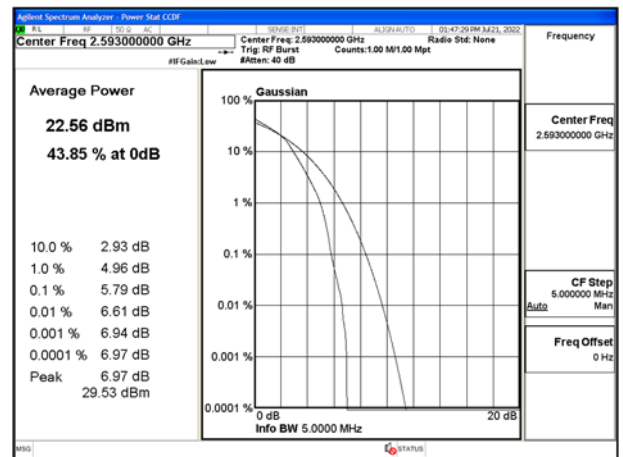


Fig.10

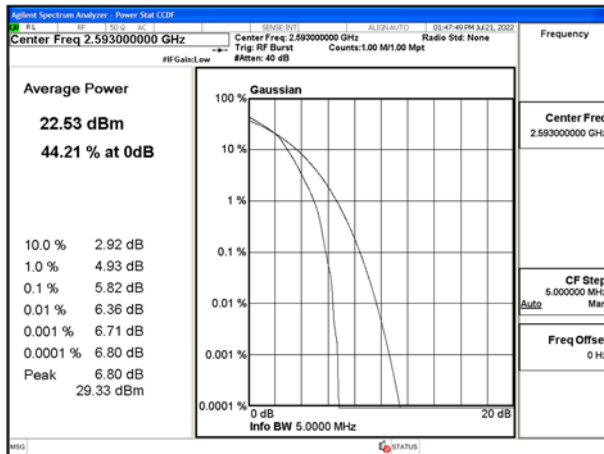


Fig.11

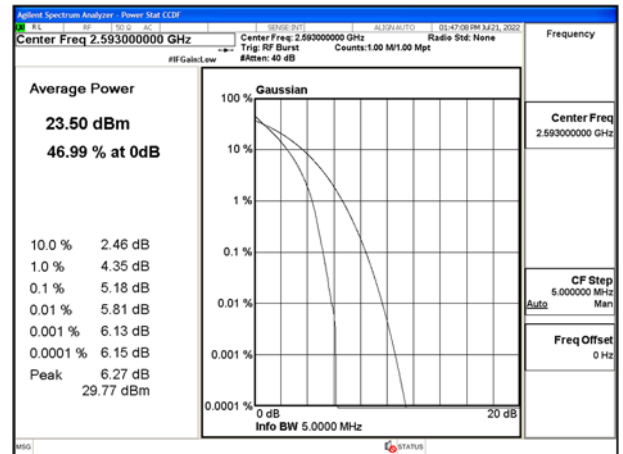


Fig.12

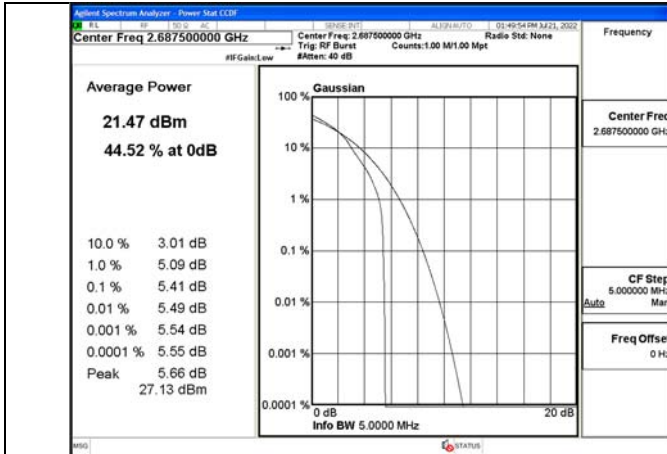


Fig.13

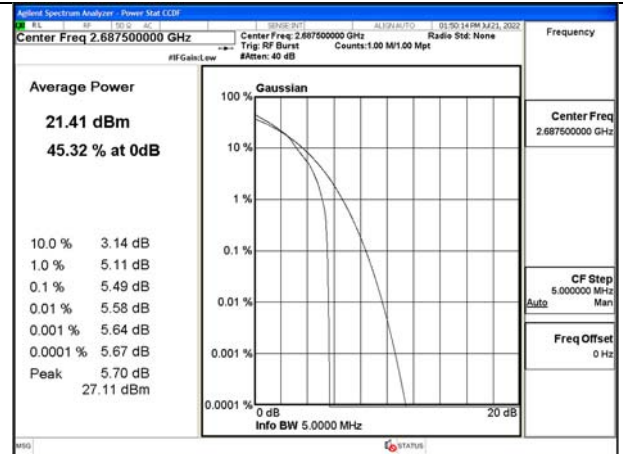


Fig.14

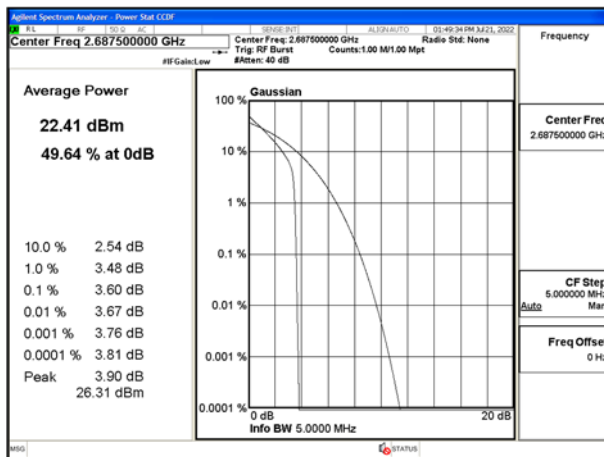


Fig.15

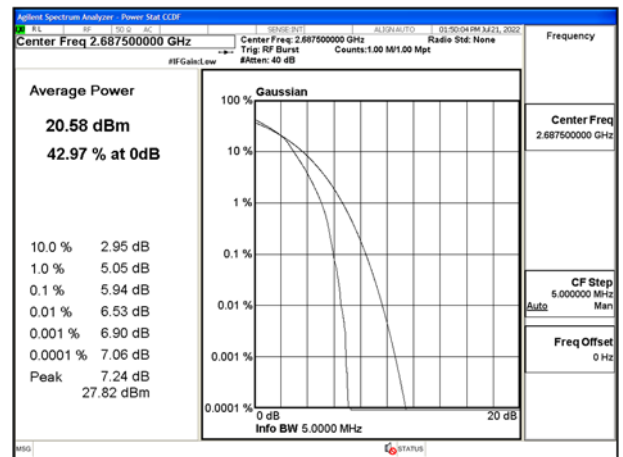


Fig.16

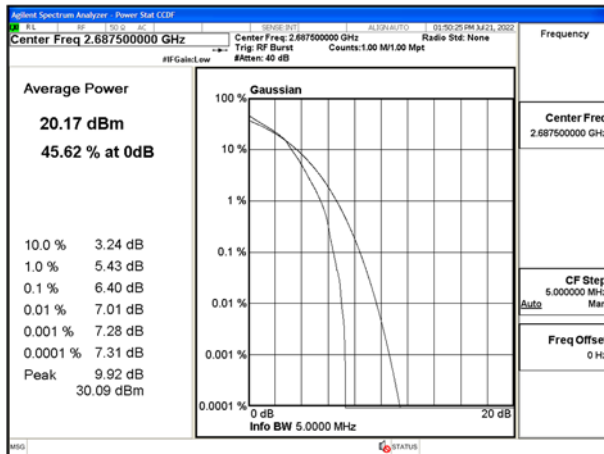


Fig.17

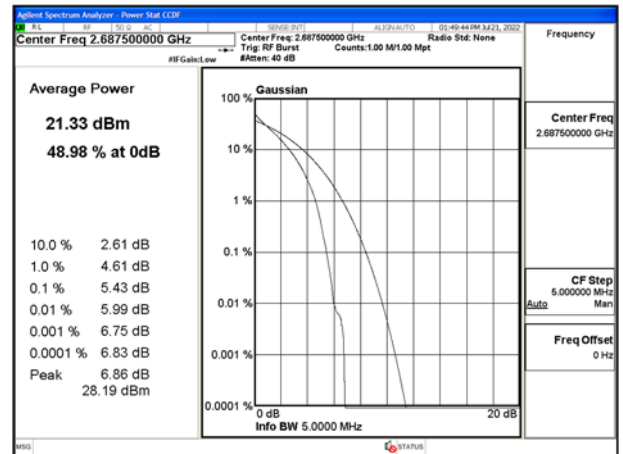


Fig.18

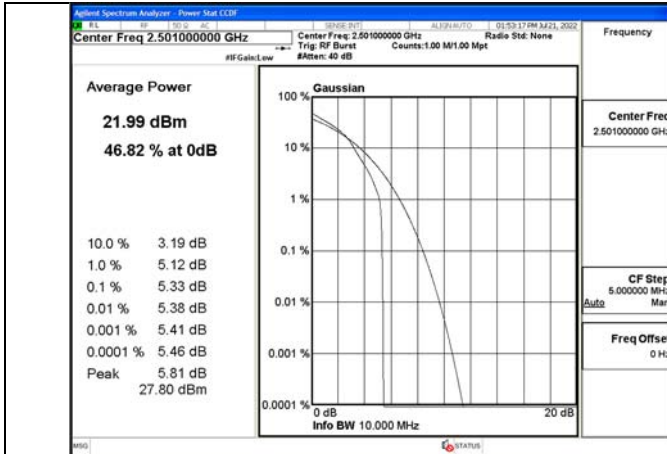


Fig.19

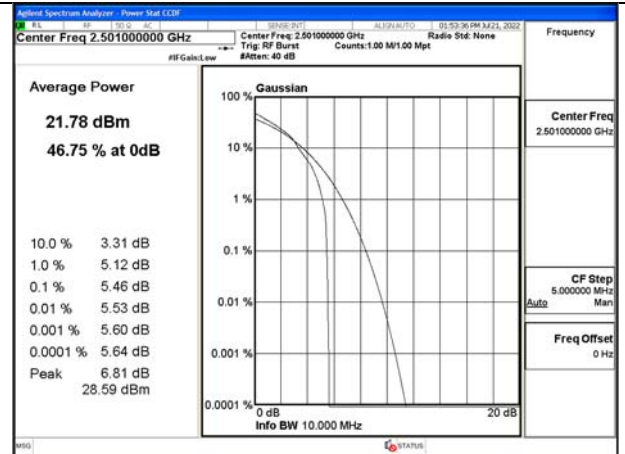


Fig.20

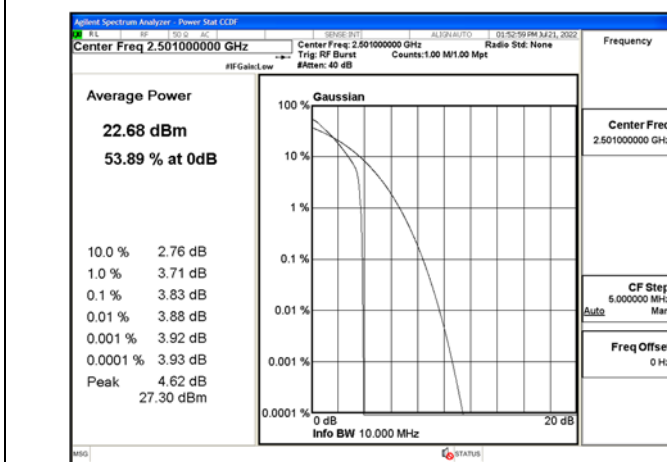


Fig.21

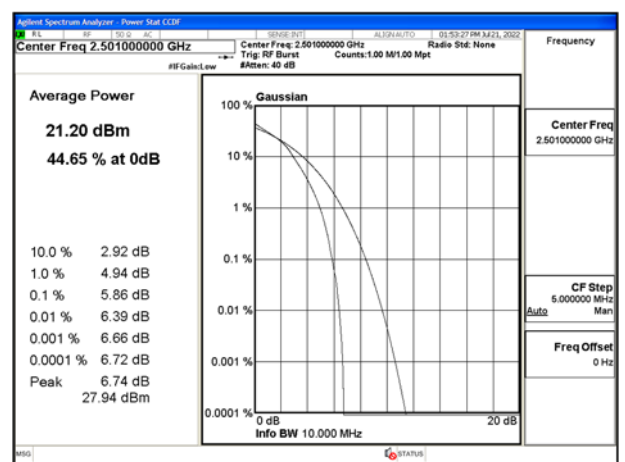


Fig.22

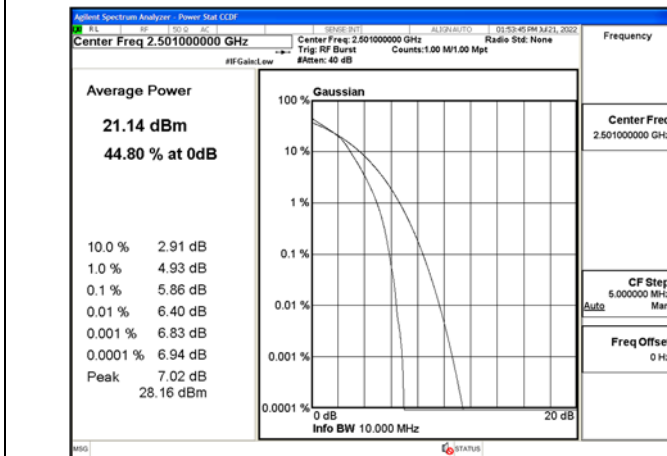


Fig.23

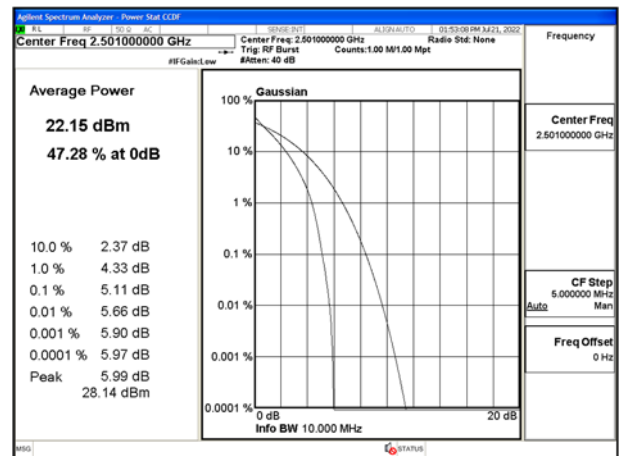


Fig.24

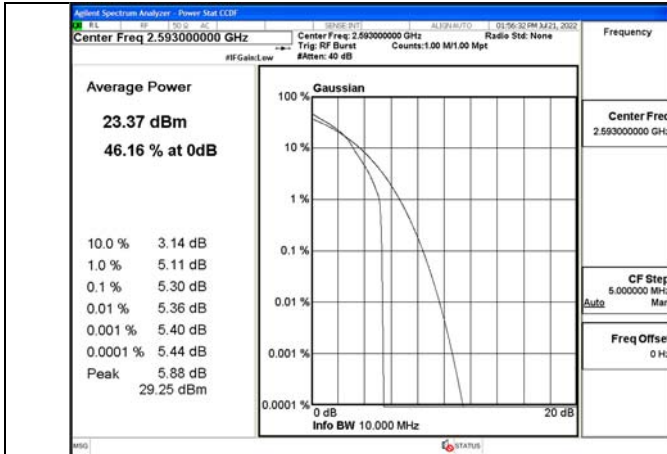


Fig.25

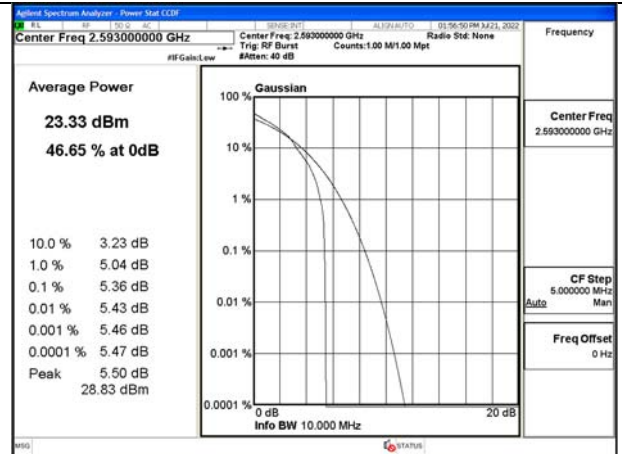


Fig.26

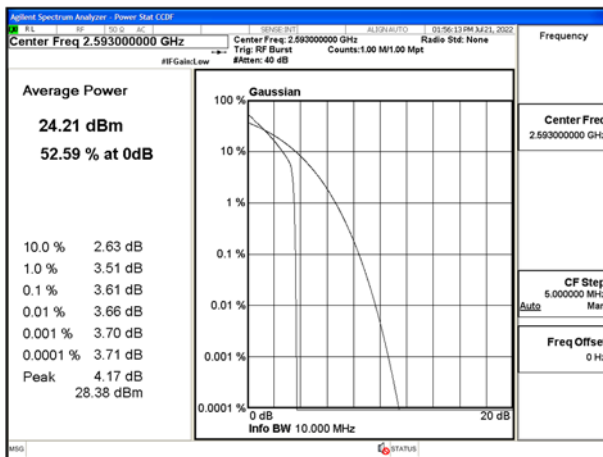


Fig.27

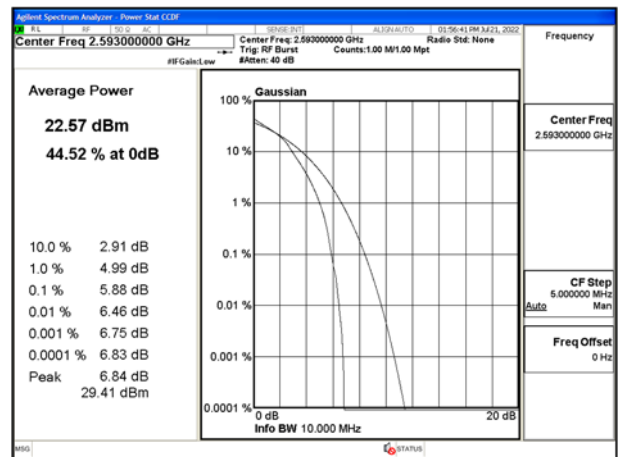


Fig.28

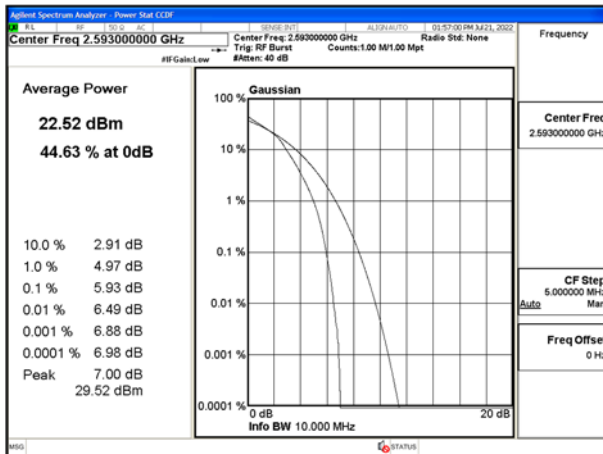


Fig.29

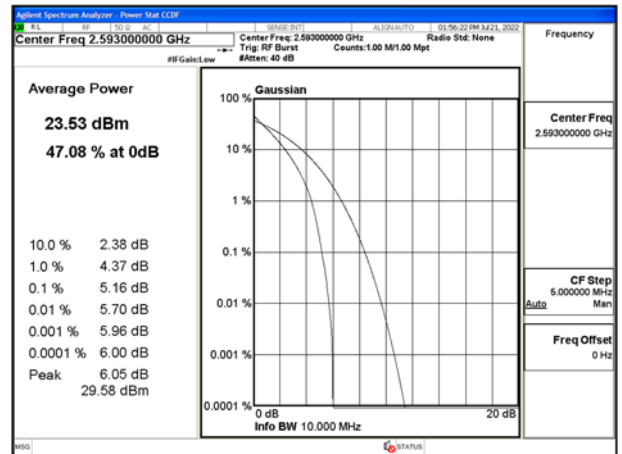


Fig.30

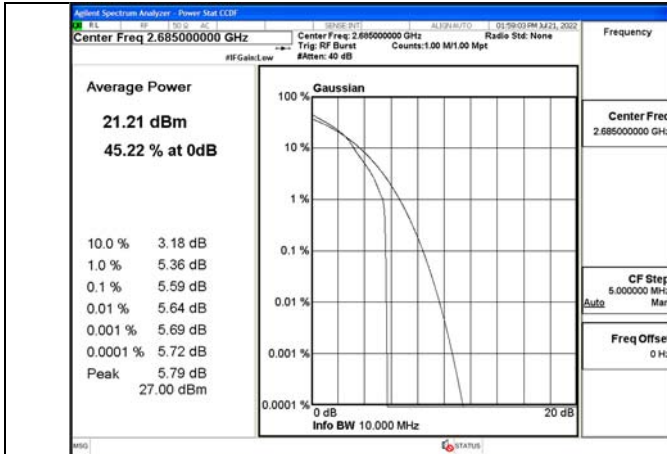


Fig.31

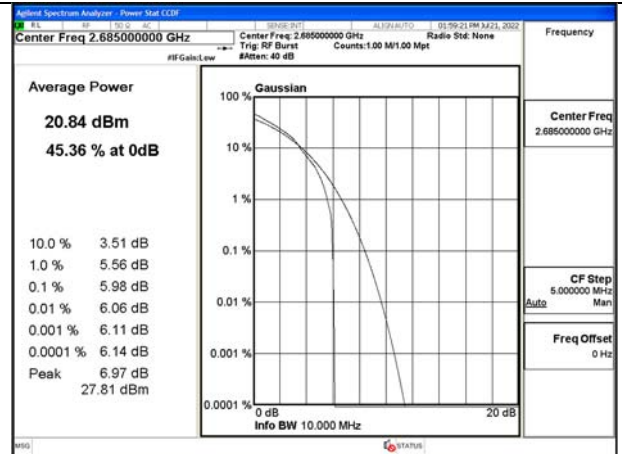


Fig.32

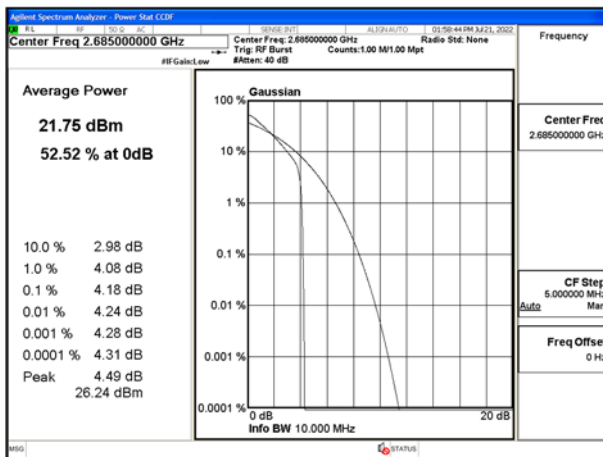


Fig.33

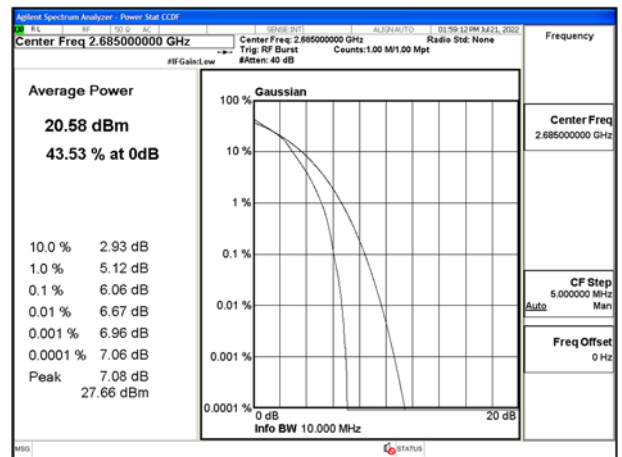


Fig.34

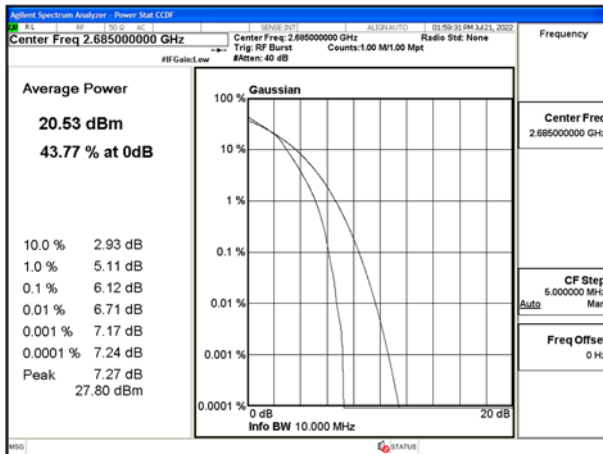


Fig.35

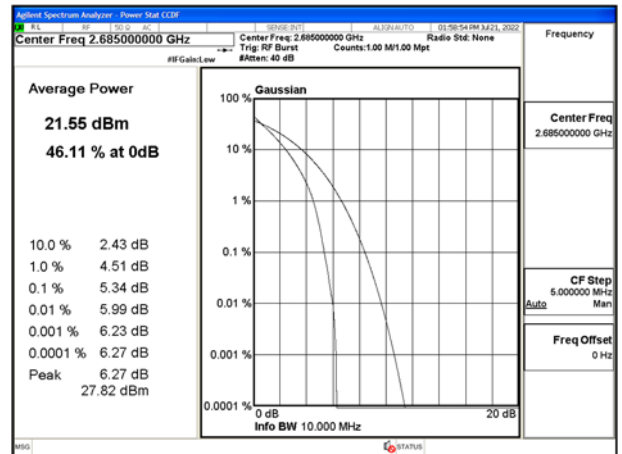


Fig.36

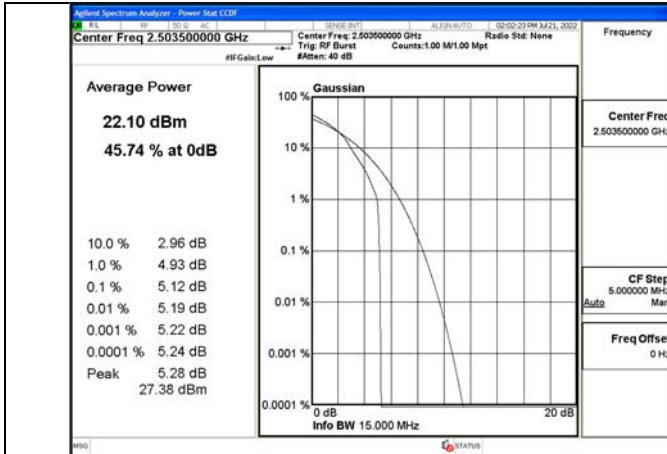


Fig.37

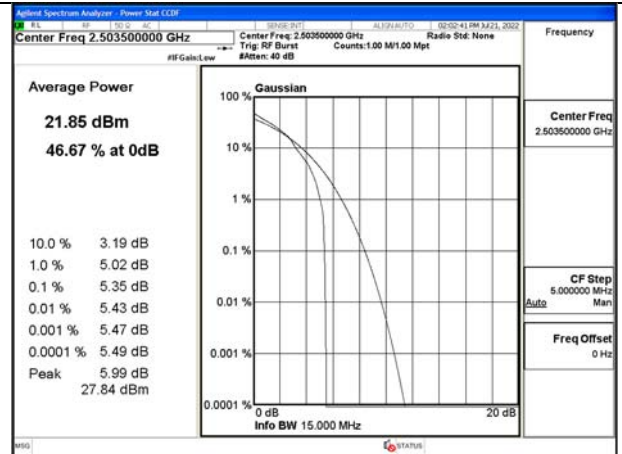


Fig.38

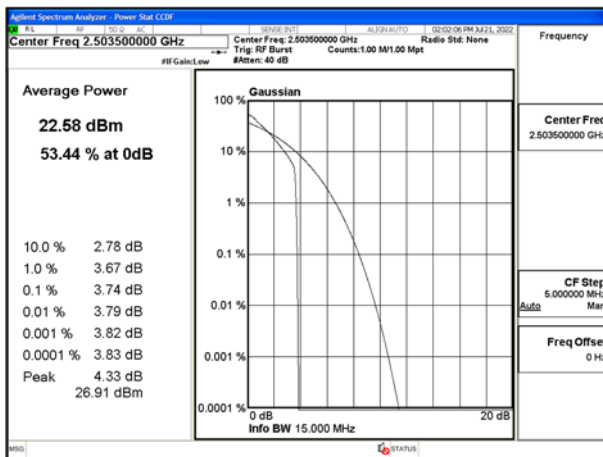


Fig.39

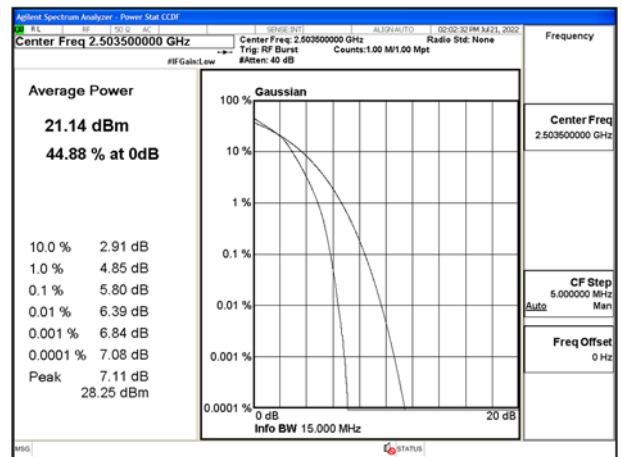


Fig.40

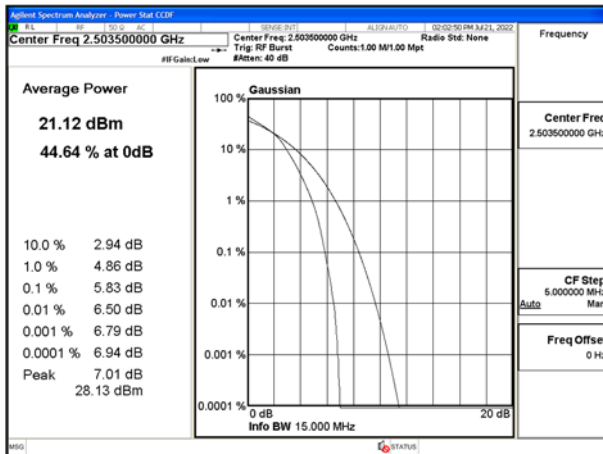


Fig.41

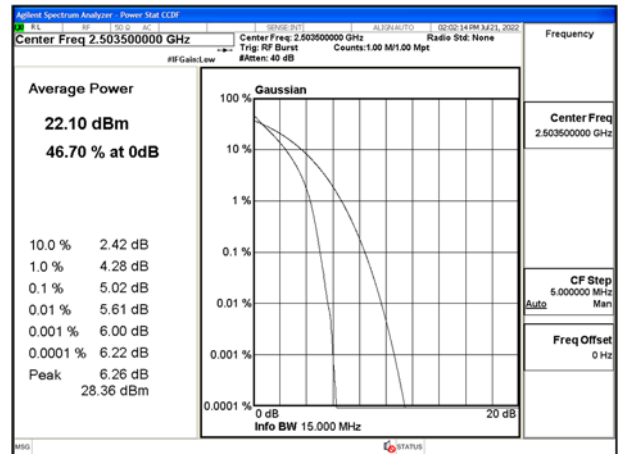


Fig.42

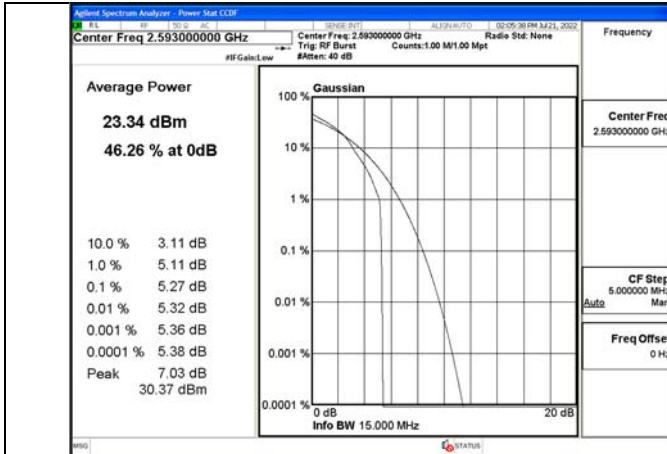


Fig.43

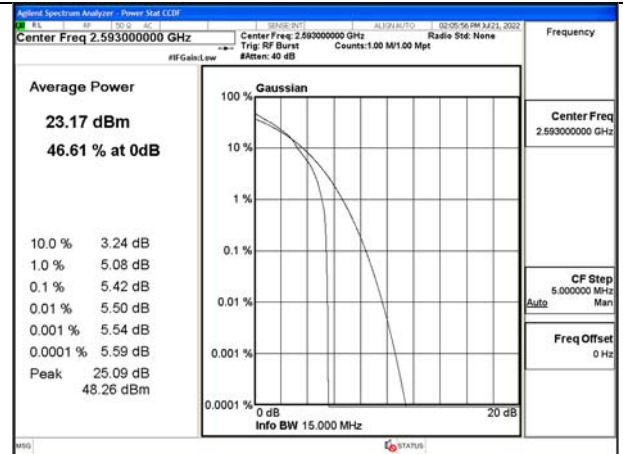


Fig.44

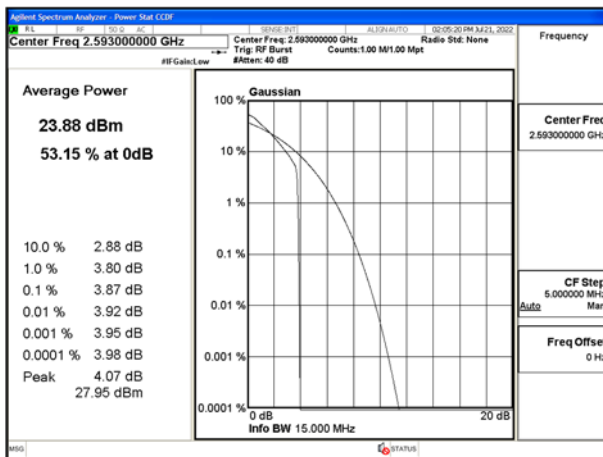


Fig.45

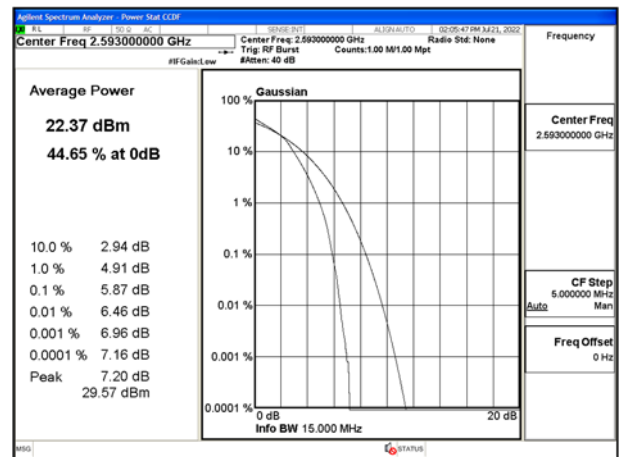


Fig.46

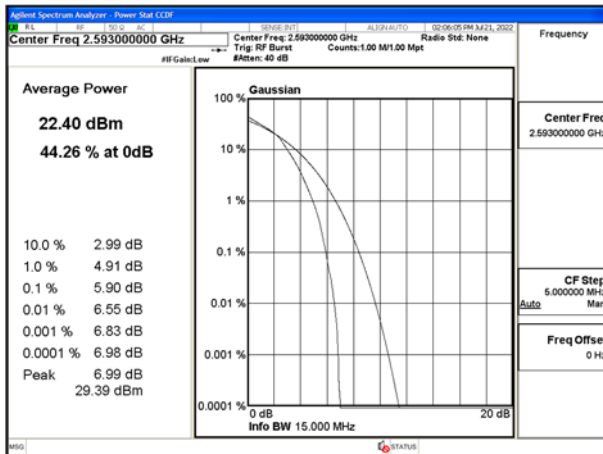


Fig.47

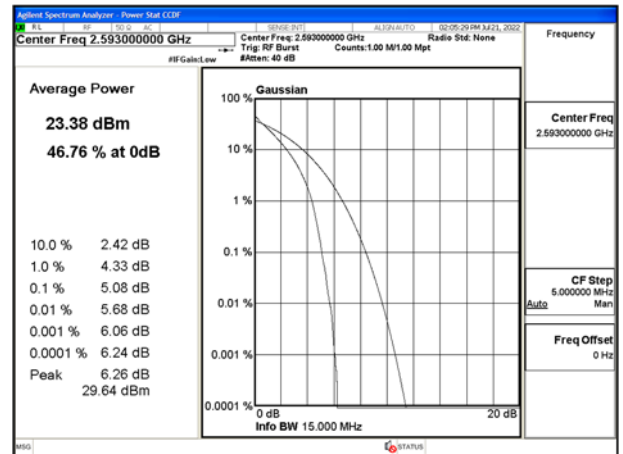


Fig.48

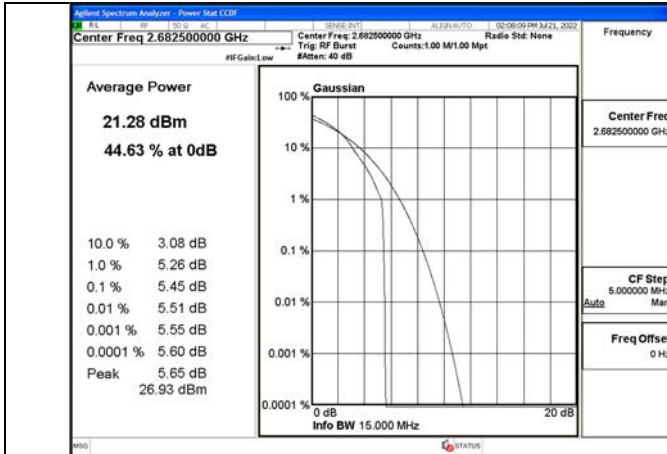


Fig.49

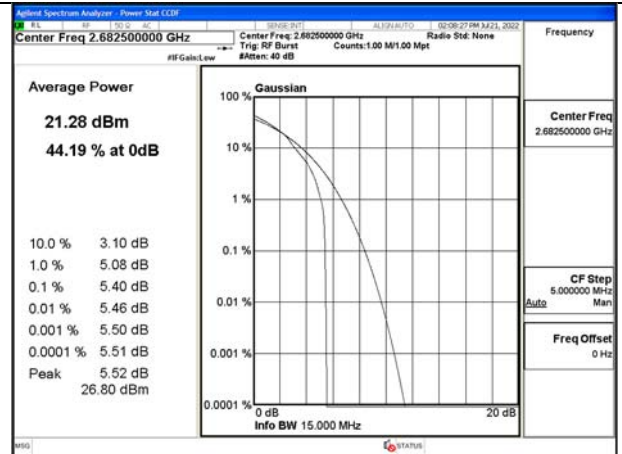


Fig.50

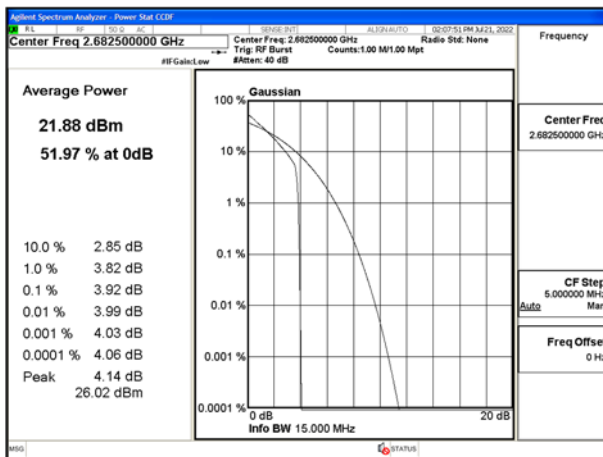


Fig.51

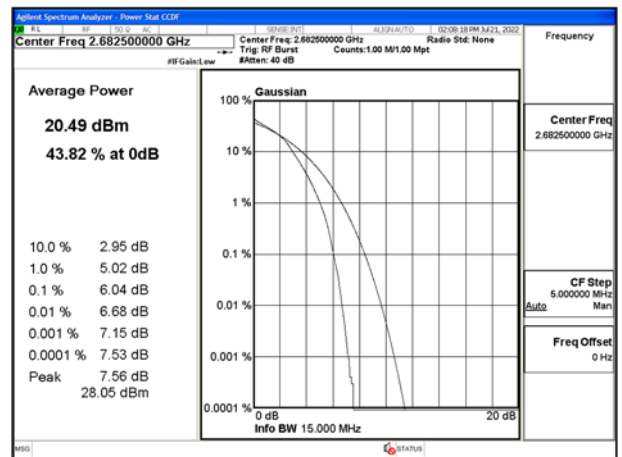


Fig.52

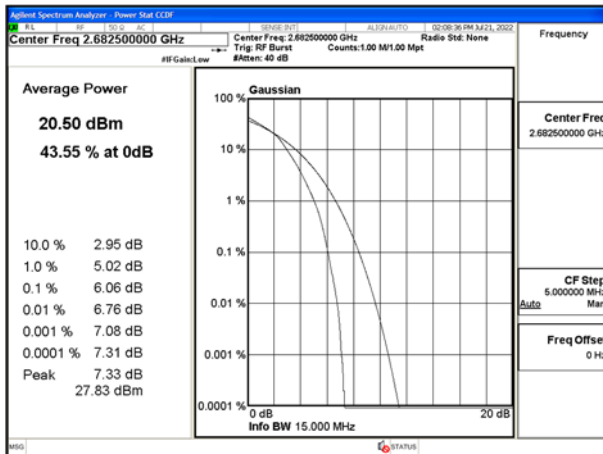


Fig.53

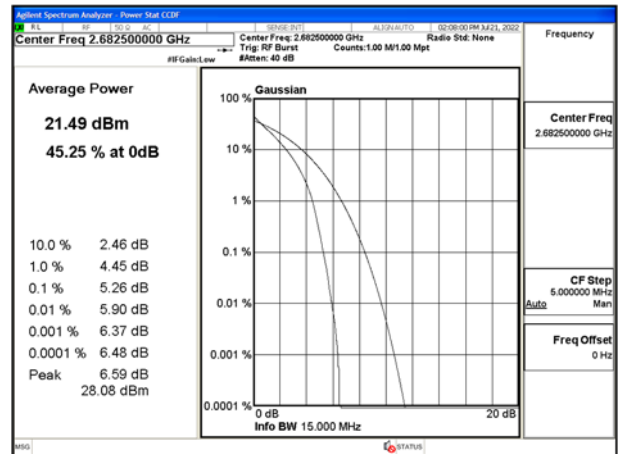


Fig.54

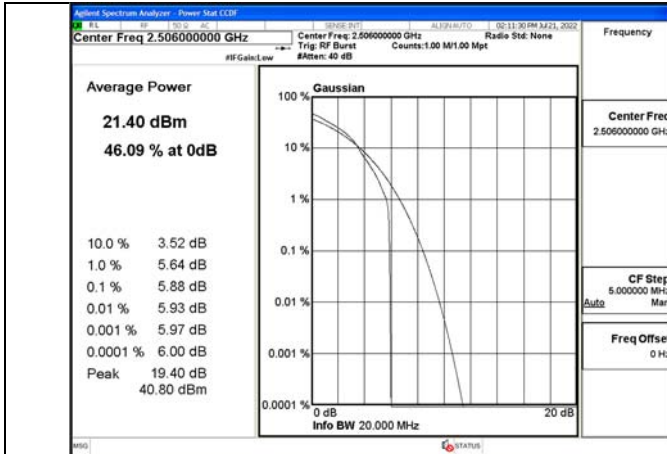


Fig.55

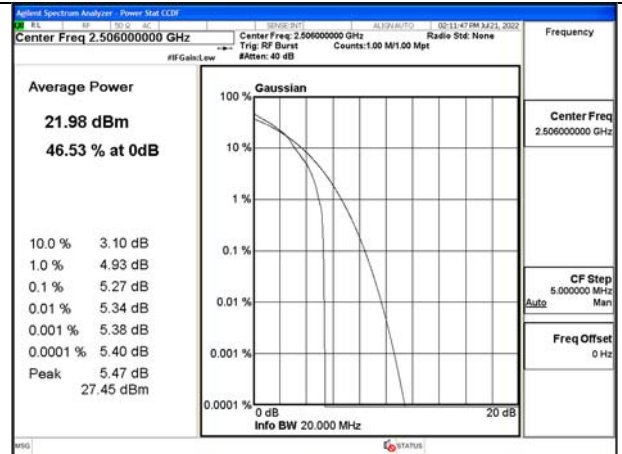


Fig.56

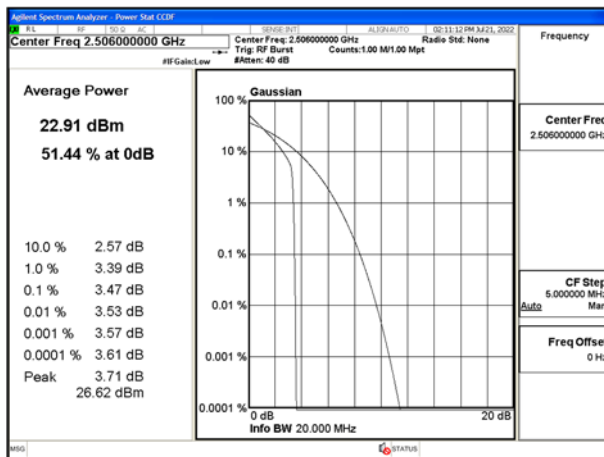


Fig.57

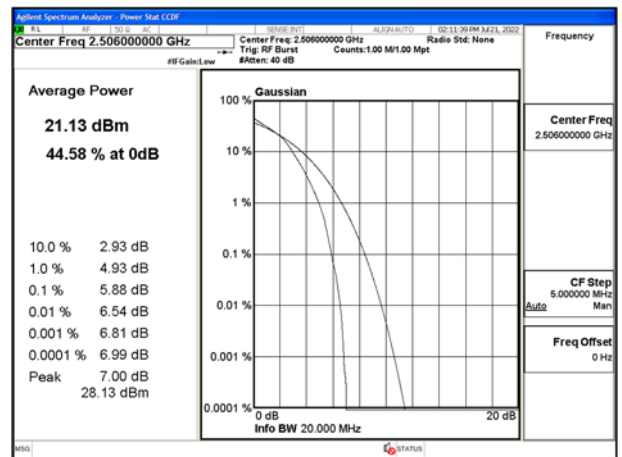


Fig.58

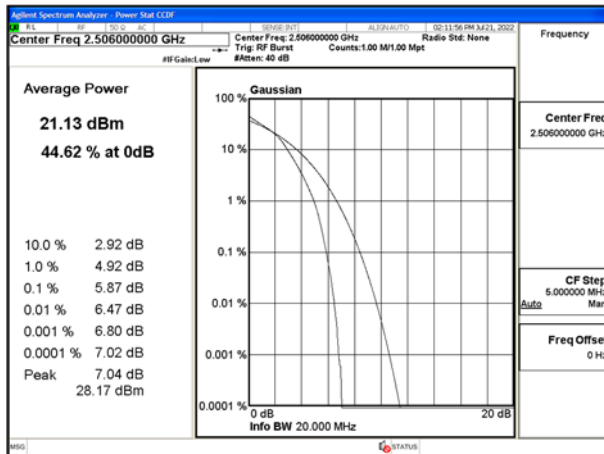


Fig.59

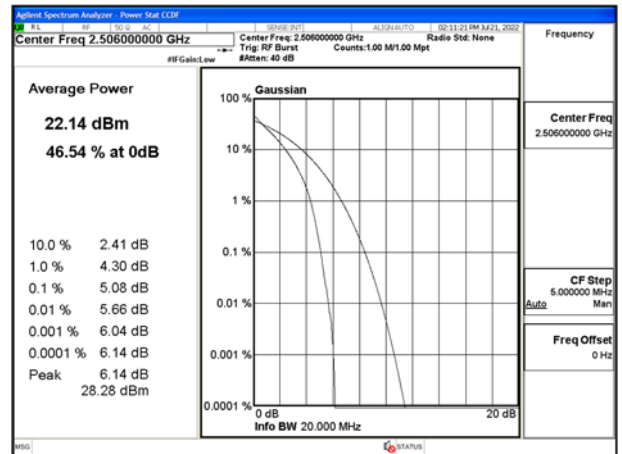


Fig.60

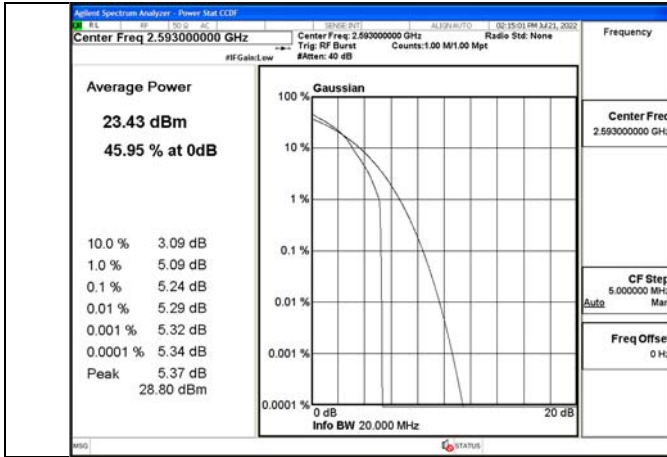


Fig.61

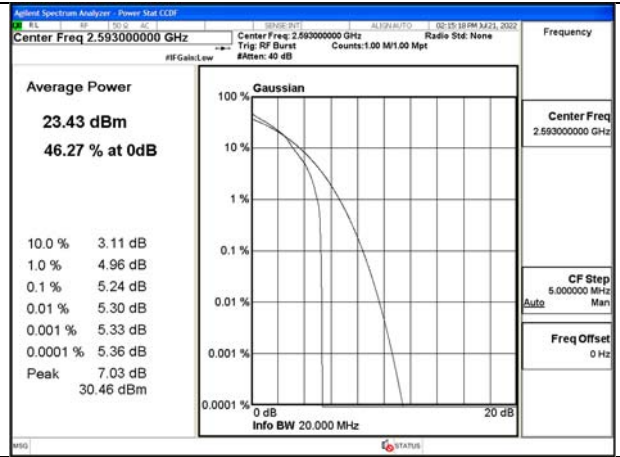


Fig.62

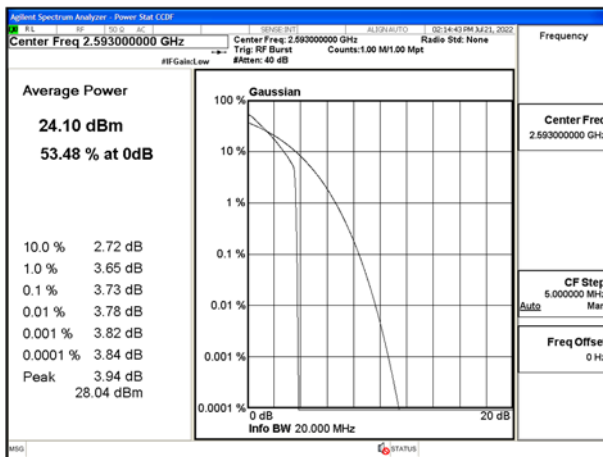


Fig.63

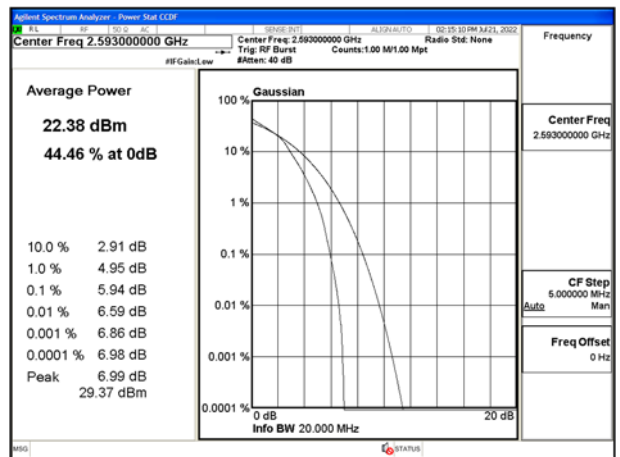


Fig.64

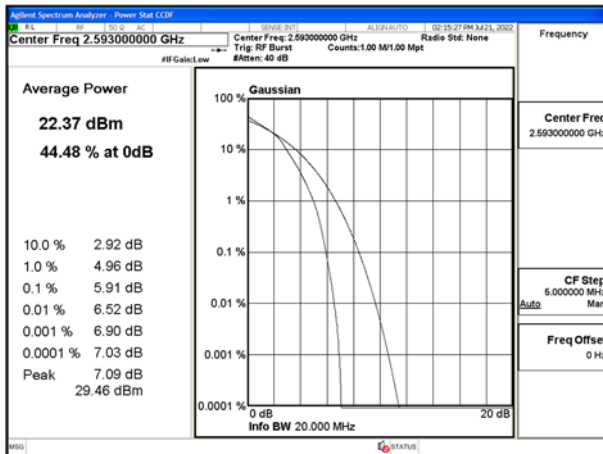


Fig.65

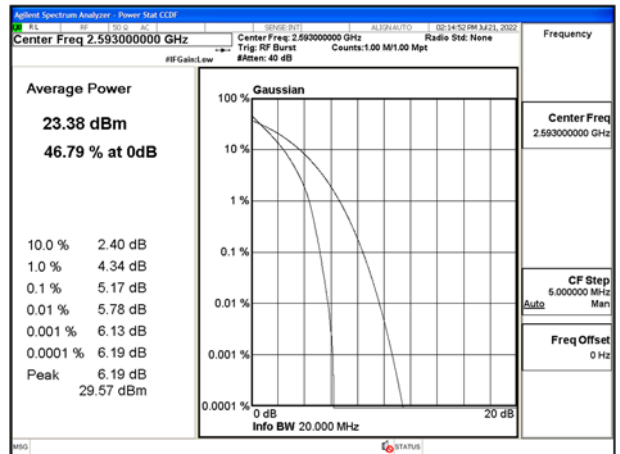


Fig.66

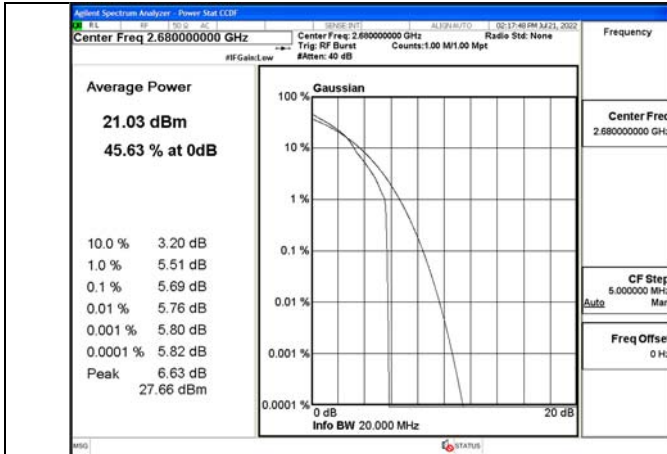


Fig.67

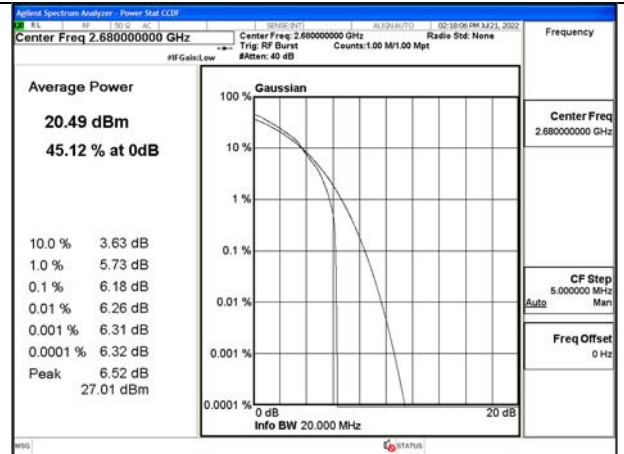


Fig.68

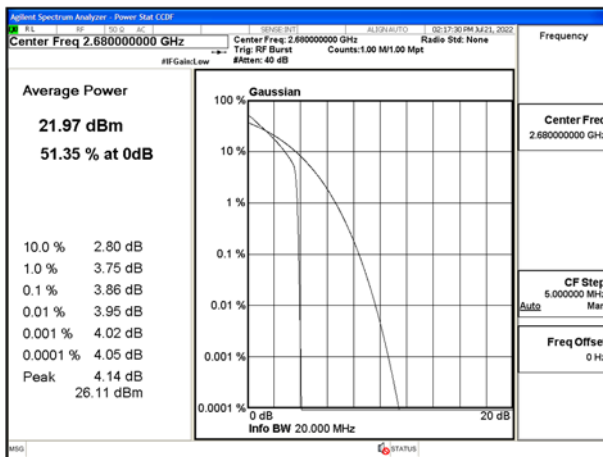


Fig.69

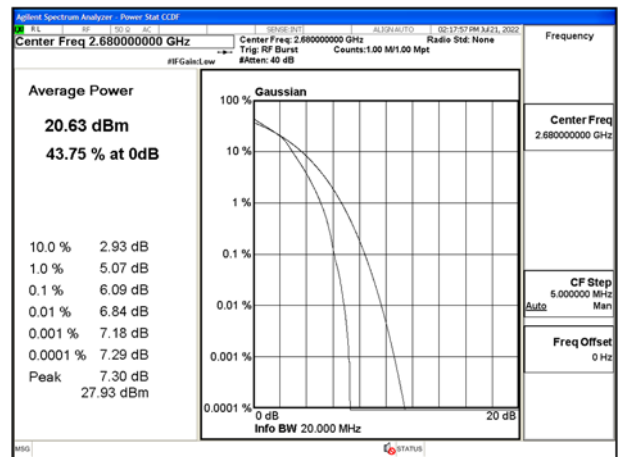


Fig.70

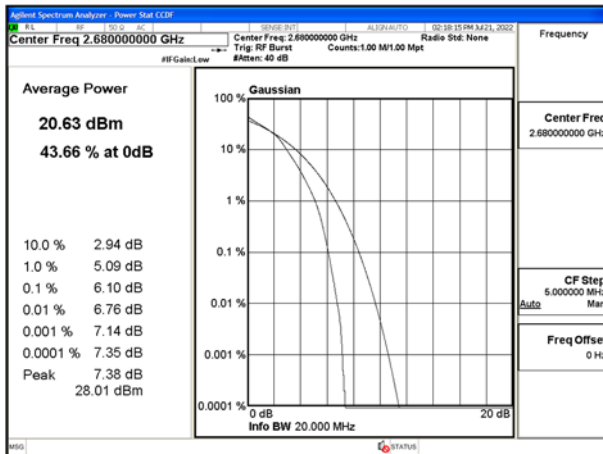


Fig.71

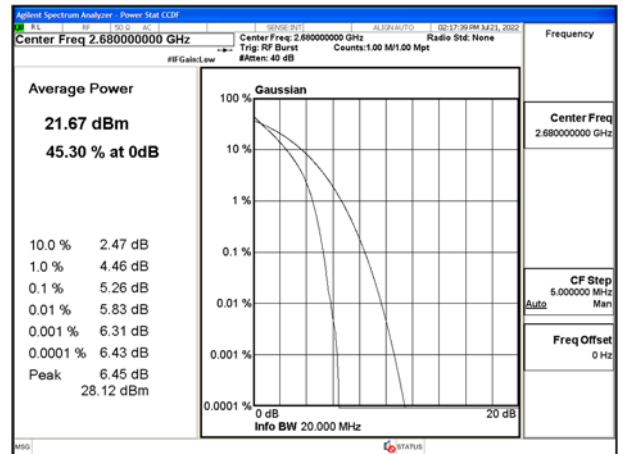


Fig.72

5 Spurious Emissions at antenna terminal

| Band | Carrier frequency (MHz) | Channel | BW | RB Size | RB Offset | Conducted Spurious Plot |
|------|-------------------------|---------|----|---------|-----------|-------------------------|
| | | | | | | QPSK |
| 41 | 2506 | 39750 | 20 | 1 | 0 | Fig.1 |
| 41 | 2593 | 40620 | 20 | 1 | 0 | Fig.2 |
| 41 | 2680 | 41490 | 20 | 1 | 0 | Fig.3 |

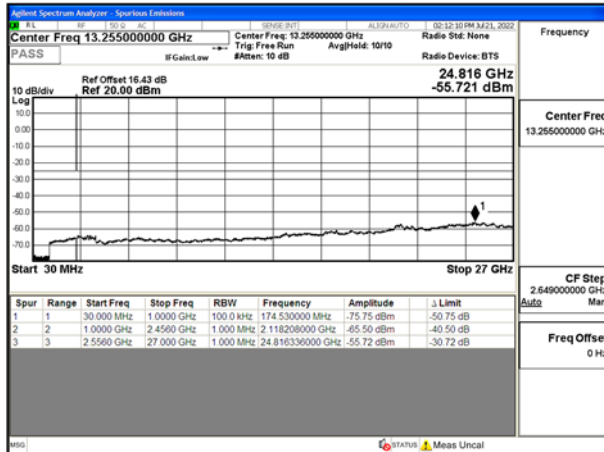


Fig.1

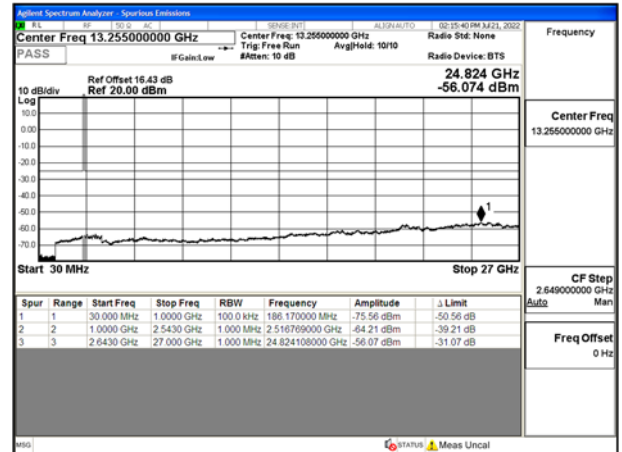


Fig.2



Fig.3

6 Band Edges Compliance

| Band | Mode | Carrier frequency (MHz) | Channel | BW | RB Size | RB Offset | Band Edges Plot |
|------|------|-------------------------|---------|----|---------|-----------|-----------------|
| 41 | QPSK | 2498.5 | 39675 | 5 | 1 | 0 | Fig.1 |
| 41 | QPSK | 2498.5 | 39675 | 5 | 25 | 0 | Fig.2 |
| 41 | QPSK | 2687.5 | 41565 | 5 | 1 | 24 | Fig.3 |
| 41 | QPSK | 2687.5 | 41565 | 5 | 25 | 0 | Fig.4 |
| 41 | QPSK | 2501 | 39700 | 10 | 1 | 0 | Fig.5 |
| 41 | QPSK | 2501 | 39700 | 10 | 50 | 0 | Fig.6 |
| 41 | QPSK | 2685 | 41540 | 10 | 1 | 49 | Fig.7 |
| 41 | QPSK | 2685 | 41540 | 10 | 50 | 0 | Fig.8 |
| 41 | QPSK | 2503.5 | 39725 | 15 | 1 | 0 | Fig.9 |
| 41 | QPSK | 2503.5 | 39725 | 15 | 75 | 0 | Fig.10 |
| 41 | QPSK | 2682.5 | 41515 | 15 | 1 | 74 | Fig.11 |
| 41 | QPSK | 2682.5 | 41515 | 15 | 75 | 0 | Fig.12 |
| 41 | QPSK | 2506 | 39750 | 20 | 1 | 0 | Fig.13 |
| 41 | QPSK | 2506 | 39750 | 20 | 100 | 0 | Fig.14 |
| 41 | QPSK | 2680 | 41490 | 20 | 1 | 99 | Fig.15 |
| 41 | QPSK | 2680 | 41490 | 20 | 100 | 0 | Fig.16 |

Test Mode: QPSK

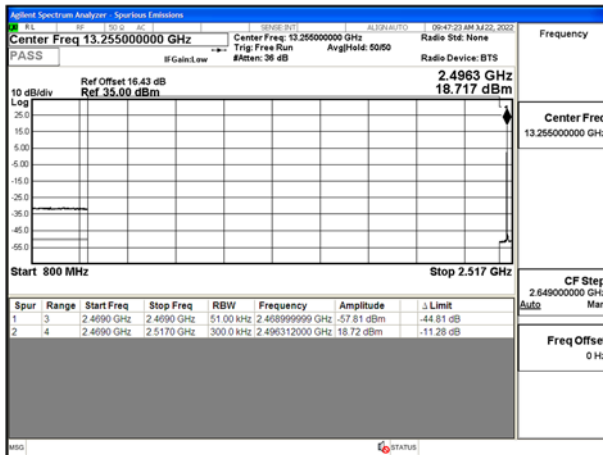


Fig.1

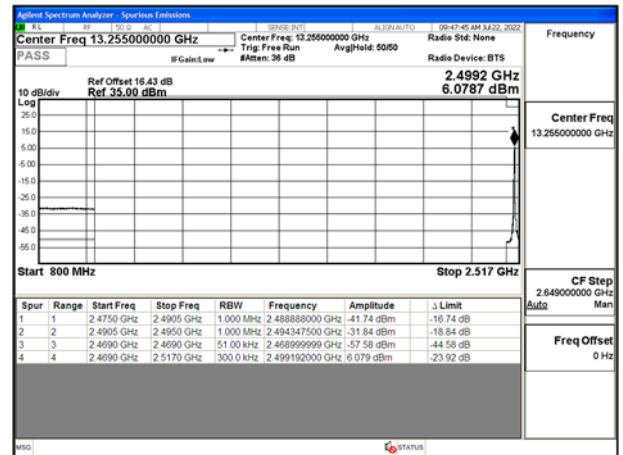


Fig.2

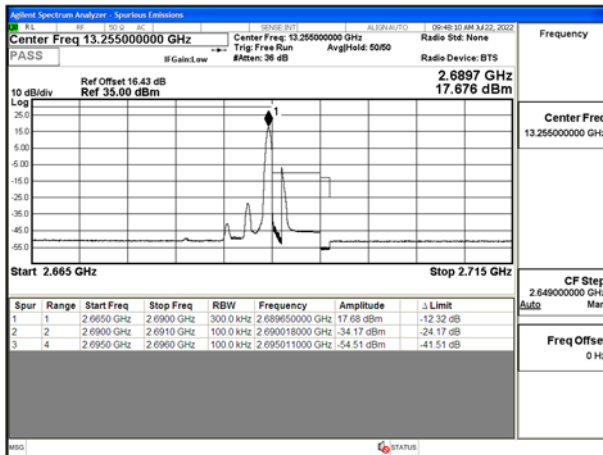


Fig.3

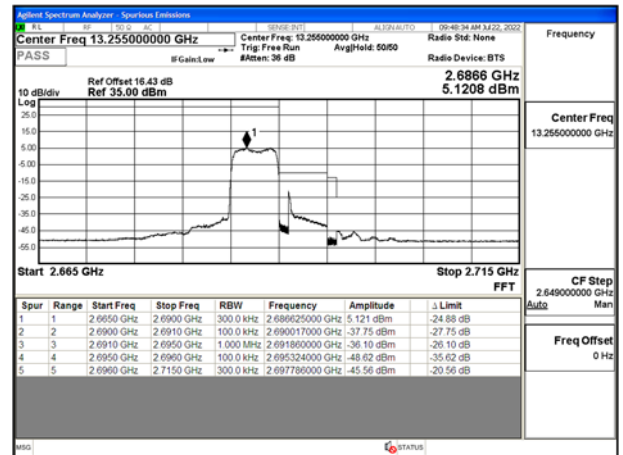


Fig.4

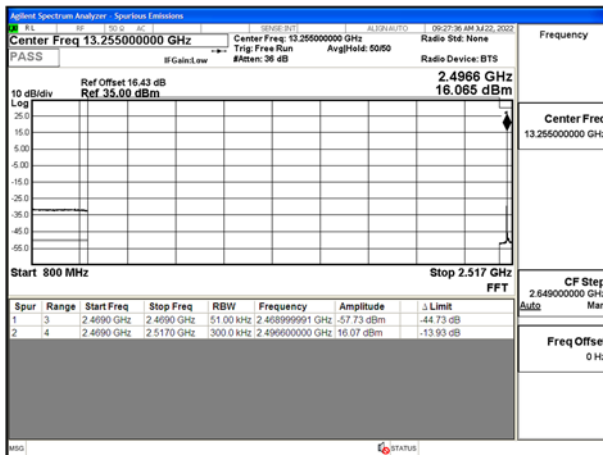


Fig.5

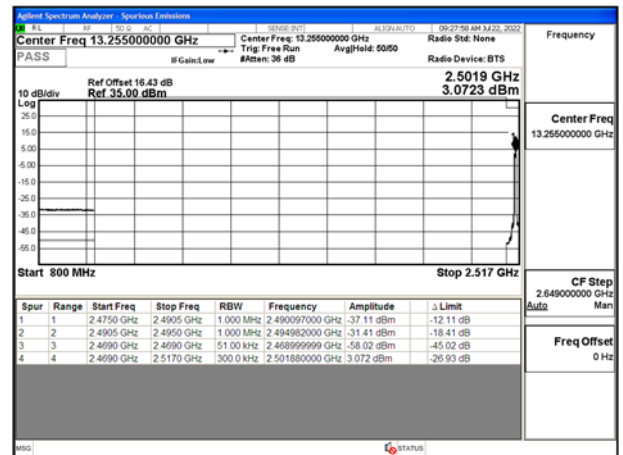


Fig.6

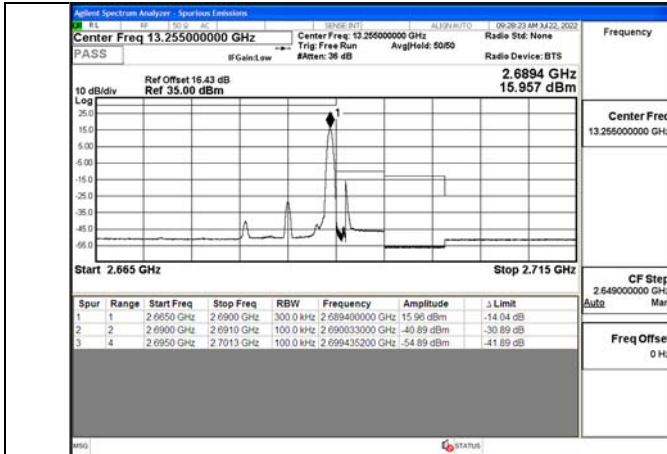


Fig.7

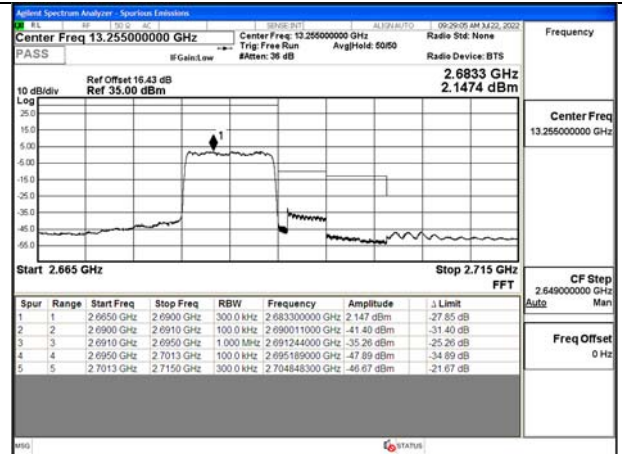


Fig.8

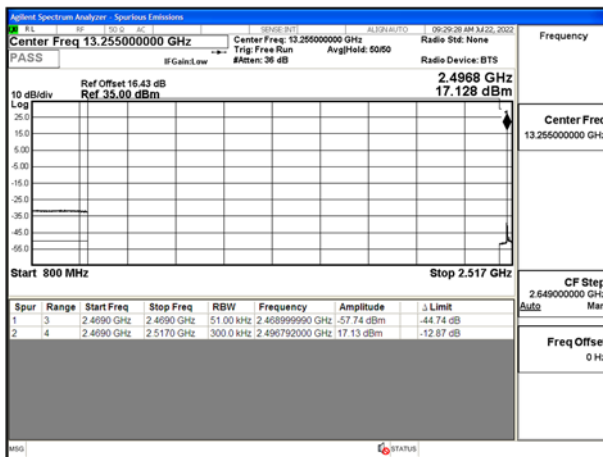


Fig.9

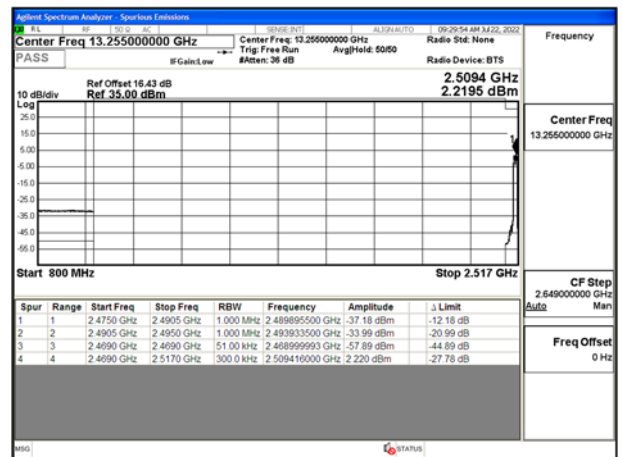


Fig.10

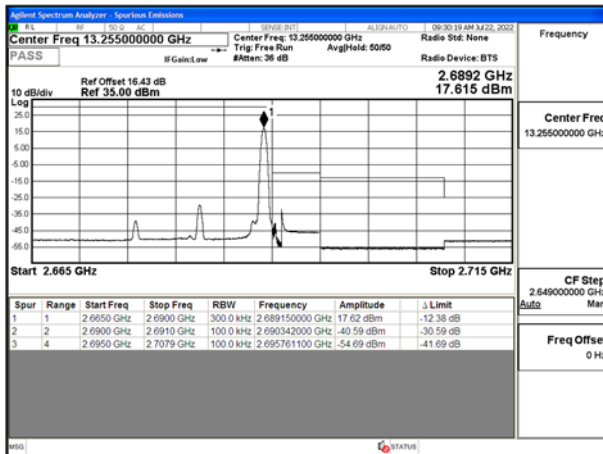


Fig.11

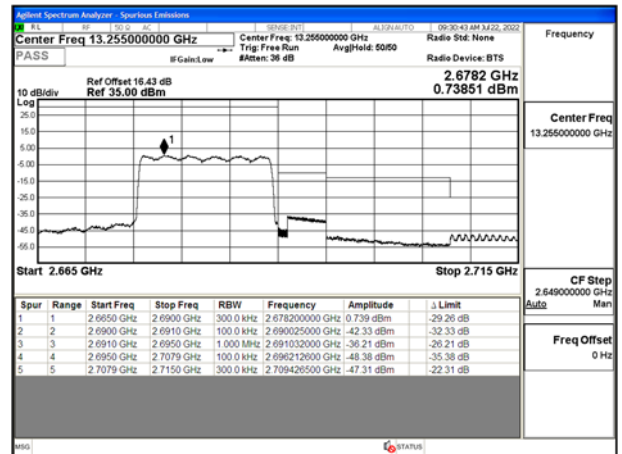


Fig.12

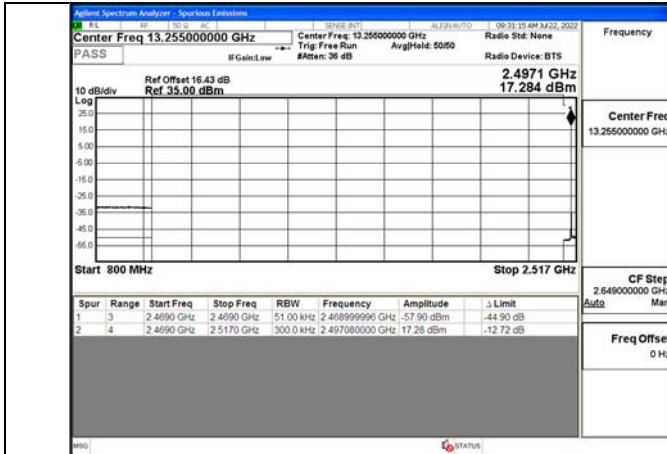


Fig.13

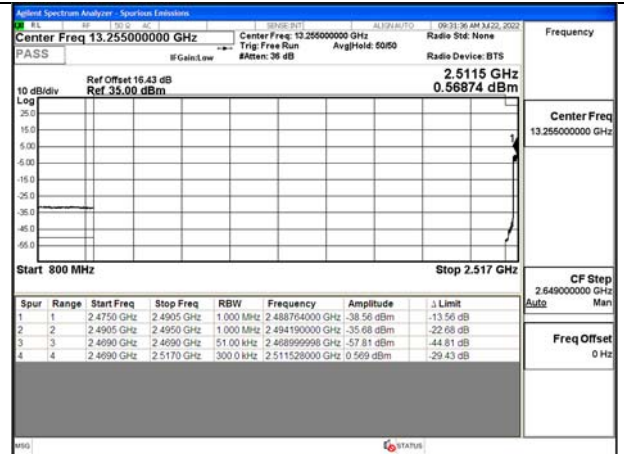


Fig.14

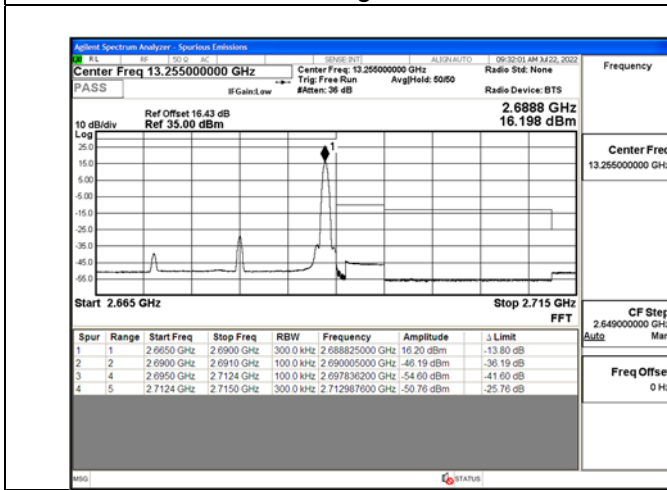


Fig.15

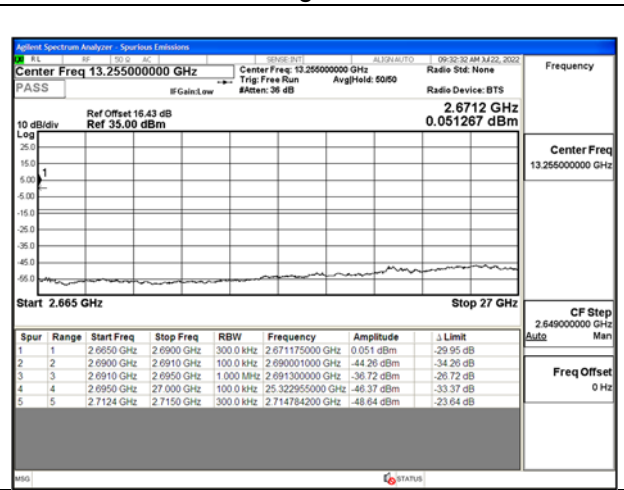


Fig.16

7 Frequency Stability

| Temperature(°C) | Voltage | Test Result (ppm) Band 41 Low Channel QPSK | | | |
|-----------------|---------|--|--------|--------|--------|
| | | 5M | 10M | 15M | 20M |
| -10 | NV | -0.002 | 0.002 | -0.003 | -0.003 |
| 0 | NV | -0.002 | 0.002 | -0.002 | -0.002 |
| +10 | NV | 0.002 | 0.002 | 0.001 | -0.002 |
| +20 | NV | 0.002 | -0.001 | -0.002 | 0.001 |
| +30 | NV | 0.002 | 0.001 | -0.002 | -0.001 |
| +40 | NV | -0.002 | 0.001 | -0.002 | -0.001 |
| +50 | NV | -0.002 | 0.002 | 0.001 | -0.003 |
| +55 | NV | -0.002 | -0.003 | 0.002 | -0.003 |
| +20 | LV | -0.002 | 0.001 | 0.002 | -0.004 |
| +20 | HV | -0.002 | 0.000 | 0.001 | -0.003 |

| Temperature(°C) | Voltage | Test Result (ppm) Band 41 Low Channel QPSK | | | |
|-----------------|---------|--|--------|--------|--------|
| | | 5M | 10M | 15M | 20M |
| -10 | NV | 0.001 | -0.001 | -0.001 | -0.001 |
| 0 | NV | 0.002 | -0.001 | -0.001 | 0.000 |
| +10 | NV | 0.001 | 0.000 | 0.001 | 0.001 |
| +20 | NV | 0.002 | -0.002 | -0.001 | -0.002 |
| +30 | NV | 0.001 | 0.001 | -0.001 | -0.002 |
| +40 | NV | 0.001 | 0.001 | -0.001 | -0.002 |
| +50 | NV | 0.002 | -0.001 | -0.001 | -0.001 |
| +55 | NV | -0.001 | -0.001 | -0.001 | -0.001 |
| +20 | LV | 0.000 | 0.000 | 0.001 | -0.001 |
| +20 | HV | 0.002 | -0.001 | -0.002 | 0.000 |

8 Effective Radiated Power and Effective Isotropic Radiated Power

| BW | Modulation | RB Size | RB Offset | ERP/EIRP(W) | | |
|-------|------------|---------|-----------|-------------|-----------|-----------|
| | | | | 39675.000 | 40620.000 | 41565.000 |
| | | | | 2498.500 | 2593.000 | 2687.500 |
| 5.000 | QPSK | 1.000 | 0.000 | 0.096 | 0.125 | 0.093 |
| | | 1.000 | 12.000 | 0.096 | 0.127 | 0.095 |
| | | 1.000 | 24.000 | 0.095 | 0.127 | 0.096 |
| | | 12.000 | 0.000 | 0.074 | 0.102 | 0.072 |
| | | 12.000 | 7.000 | 0.074 | 0.103 | 0.072 |
| | | 12.000 | 13.000 | 0.074 | 0.101 | 0.072 |
| | | 25.000 | 0.000 | 0.074 | 0.102 | 0.071 |
| | 16QAM | 1.000 | 0.000 | 0.077 | 0.107 | 0.073 |
| | | 1.000 | 12.000 | 0.076 | 0.106 | 0.073 |
| | | 1.000 | 24.000 | 0.078 | 0.106 | 0.074 |
| | | 12.000 | 0.000 | 0.059 | 0.081 | 0.057 |
| | | 12.000 | 7.000 | 0.059 | 0.082 | 0.057 |
| | | 12.000 | 13.000 | 0.060 | 0.082 | 0.056 |
| | | 25.000 | 0.000 | 0.059 | 0.082 | 0.057 |
| | 64QAM | 1.000 | 0.000 | 0.061 | 0.082 | 0.059 |
| | | 1.000 | 12.000 | 0.061 | 0.082 | 0.059 |
| | | 1.000 | 24.000 | 0.060 | 0.082 | 0.060 |
| | | 12.000 | 0.000 | 0.047 | 0.066 | 0.044 |
| | | 12.000 | 7.000 | 0.047 | 0.066 | 0.047 |
| | | 12.000 | 13.000 | 0.048 | 0.064 | 0.047 |
| | | 25.000 | 0.000 | 0.047 | 0.064 | 0.047 |

| BW | Modulation | RB Size | RB Offset | ERP/EIRP(W) | | |
|--------|------------|---------|-----------|-------------|-----------|-----------|
| | | | | 39700.000 | 40620.000 | 41540.000 |
| | | | | 2501.000 | 2593.000 | 2685.000 |
| 10.000 | QPSK | 1.000 | 0.000 | 0.096 | 0.128 | 0.096 |
| | | 1.000 | 25.000 | 0.097 | 0.129 | 0.098 |
| | | 1.000 | 49.000 | 0.094 | 0.125 | 0.096 |
| | | 25.000 | 0.000 | 0.074 | 0.103 | 0.073 |
| | | 25.000 | 12.000 | 0.074 | 0.104 | 0.073 |
| | | 25.000 | 25.000 | 0.073 | 0.103 | 0.075 |
| | | 50.000 | 0.000 | 0.073 | 0.103 | 0.073 |
| | 16QAM | 1.000 | 0.000 | 0.073 | 0.108 | 0.077 |
| | | 1.000 | 25.000 | 0.071 | 0.104 | 0.071 |
| | | 1.000 | 49.000 | 0.071 | 0.101 | 0.074 |
| | | 25.000 | 0.000 | 0.059 | 0.082 | 0.059 |
| | | 25.000 | 12.000 | 0.060 | 0.081 | 0.059 |
| | | 25.000 | 25.000 | 0.058 | 0.081 | 0.060 |
| | | 50.000 | 0.000 | 0.059 | 0.081 | 0.060 |
| | 64QAM | 1.000 | 0.000 | 0.063 | 0.081 | 0.061 |
| | | 1.000 | 25.000 | 0.063 | 0.080 | 0.058 |
| | | 1.000 | 49.000 | 0.063 | 0.081 | 0.058 |
| | | 25.000 | 0.000 | 0.047 | 0.063 | 0.047 |
| | | 25.000 | 12.000 | 0.047 | 0.064 | 0.047 |
| | | 25.000 | 25.000 | 0.046 | 0.064 | 0.048 |
| | | 50.000 | 0.000 | 0.046 | 0.065 | 0.047 |

| BW | Modulation | RB Size | RB Offset | ERP/EIRP(W) | | |
|--------|------------|---------|-----------|-------------|-----------|-----------|
| | | | | 39725.000 | 40620.000 | 41515.000 |
| | | | | 2503.500 | 2593.000 | 2682.500 |
| 15.000 | QPSK | 1.000 | 0.000 | 0.093 | 0.129 | 0.097 |
| | | 1.000 | 37.000 | 0.091 | 0.127 | 0.096 |
| | | 1.000 | 74.000 | 0.091 | 0.130 | 0.097 |
| | | 36.000 | 0.000 | 0.073 | 0.106 | 0.081 |
| | | 36.000 | 29.000 | 0.073 | 0.105 | 0.081 |
| | | 36.000 | 30.000 | 0.074 | 0.105 | 0.081 |
| | | 75.000 | 0.000 | 0.074 | 0.105 | 0.079 |
| | 16QAM | 1.000 | 0.000 | 0.076 | 0.108 | 0.083 |
| | | 1.000 | 37.000 | 0.077 | 0.105 | 0.081 |
| | | 1.000 | 74.000 | 0.078 | 0.106 | 0.083 |
| | | 36.000 | 0.000 | 0.060 | 0.083 | 0.064 |
| | | 36.000 | 29.000 | 0.059 | 0.082 | 0.064 |
| | | 36.000 | 30.000 | 0.060 | 0.083 | 0.064 |
| | | 75.000 | 0.000 | 0.060 | 0.082 | 0.063 |
| | 64QAM | 1.000 | 0.000 | 0.059 | 0.088 | 0.061 |
| | | 1.000 | 37.000 | 0.059 | 0.086 | 0.061 |
| | | 1.000 | 74.000 | 0.059 | 0.087 | 0.062 |
| | | 36.000 | 0.000 | 0.046 | 0.067 | 0.047 |
| | | 36.000 | 29.000 | 0.048 | 0.066 | 0.047 |
| | | 36.000 | 30.000 | 0.048 | 0.066 | 0.047 |
| | | 75.000 | 0.000 | 0.049 | 0.066 | 0.046 |

| BW | Modulation | RB Size | RB Offset | ERP/EIRP(W) | | |
|--------|------------|---------|-----------|-------------|-----------|-----------|
| | | | | 39750.000 | 40620.000 | 41490.000 |
| | | | | 2506.000 | 2593.000 | 2680.000 |
| 20.000 | QPSK | 1.000 | 0.000 | 0.097 | 0.132 | 0.100 |
| | | 1.000 | 49.000 | 0.097 | 0.129 | 0.096 |
| | | 1.000 | 99.000 | 0.094 | 0.132 | 0.098 |
| | | 50.000 | 0.000 | 0.077 | 0.102 | 0.075 |
| | | 50.000 | 24.000 | 0.076 | 0.103 | 0.076 |
| | | 50.000 | 50.000 | 0.075 | 0.103 | 0.075 |
| | | 100.000 | 0.000 | 0.073 | 0.104 | 0.076 |
| | 16QAM | 1.000 | 0.000 | 0.077 | 0.109 | 0.078 |
| | | 1.000 | 49.000 | 0.076 | 0.105 | 0.077 |
| | | 1.000 | 99.000 | 0.081 | 0.105 | 0.079 |
| | | 50.000 | 0.000 | 0.059 | 0.082 | 0.058 |
| | | 50.000 | 24.000 | 0.060 | 0.082 | 0.059 |
| | | 50.000 | 50.000 | 0.060 | 0.081 | 0.059 |
| | | 100.000 | 0.000 | 0.059 | 0.082 | 0.060 |
| | 64QAM | 1.000 | 0.000 | 0.067 | 0.076 | 0.060 |
| | | 1.000 | 49.000 | 0.060 | 0.077 | 0.059 |
| | | 1.000 | 99.000 | 0.062 | 0.078 | 0.062 |
| | | 50.000 | 0.000 | 0.048 | 0.066 | 0.048 |
| | | 50.000 | 24.000 | 0.047 | 0.068 | 0.049 |
| | | 50.000 | 50.000 | 0.047 | 0.067 | 0.048 |
| | | 100.000 | 0.000 | 0.047 | 0.067 | 0.048 |