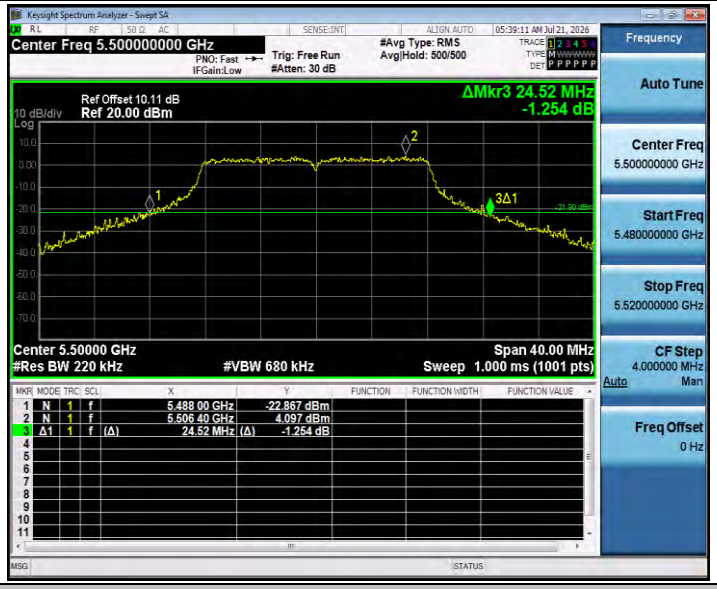
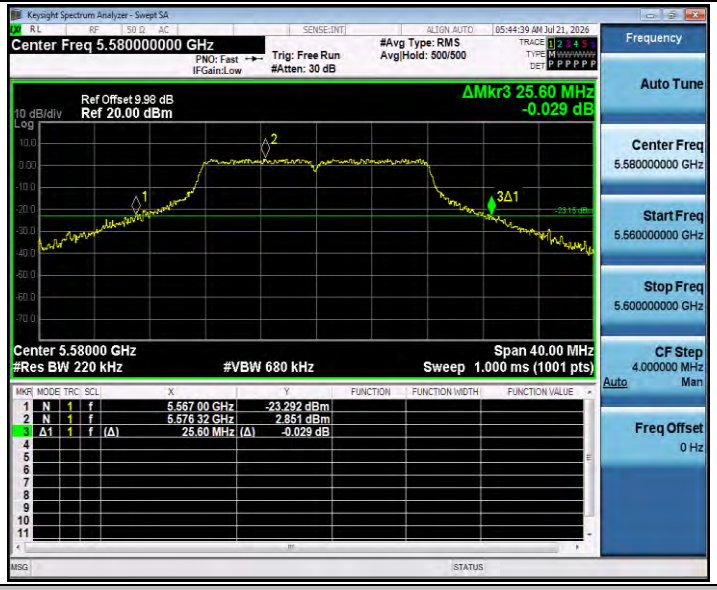
| |
|---|
| **Case No. :** GTS20260316016-1-14 |
| **Ambient Condition**: 24 ℃, 51 %RH |
| **According Standard:** ■Part15E |
| **Test Date:** 2026.7.10-2026.7.28 **Test Engineer:** Evan ouyang |

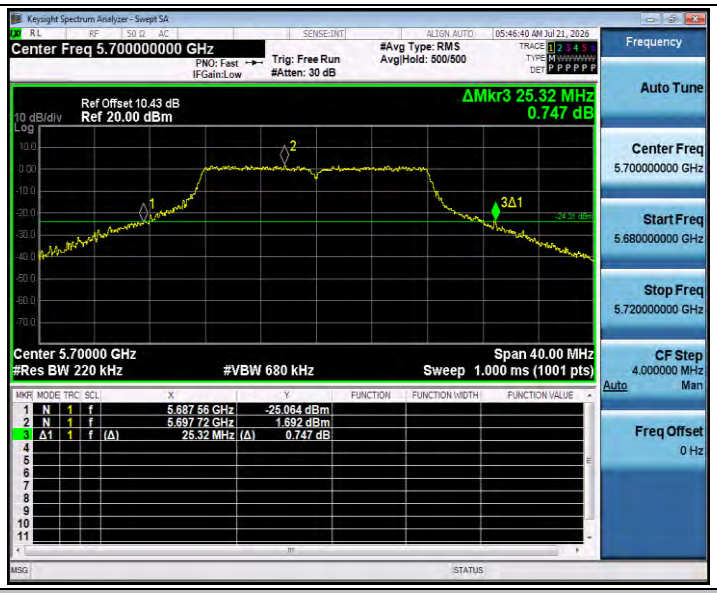
# AppendixF.1: Emission Bandwidth

## Test Result

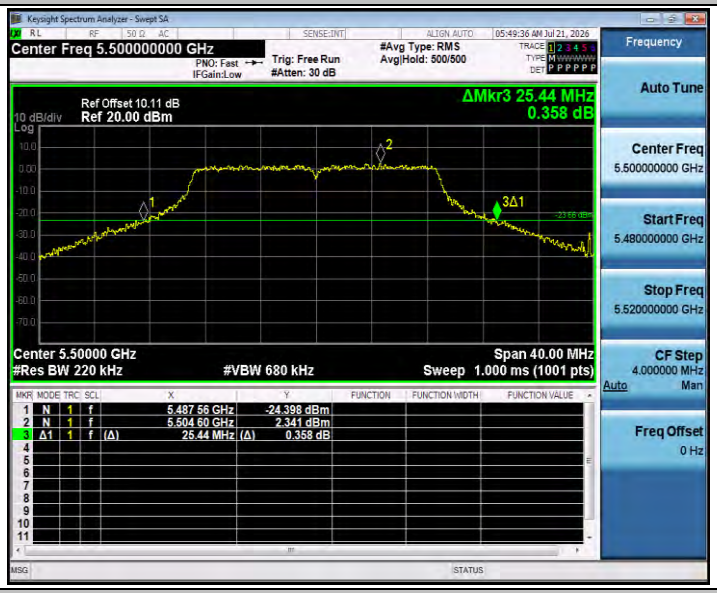
| TestMode | Antenna | Freq(MHz) | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5500 | 24.520 | 5488.000 | 5512.520 | --- | --- |
| | | 5580 | 25.600 | 5567.000 | 5592.600 | --- | --- |
| | | 5700 | 25.320 | 5687.560 | 5712.880 | --- | --- |
| 11N20SISO | Ant1 | 5500 | 25.440 | 5487.560 | 5513.000 | --- | --- |
| | | 5580 | 26.040 | 5566.600 | 5592.640 | --- | --- |
| | | 5700 | 25.800 | 5686.840 | 5712.640 | --- | --- |
| 11N40SISO | Ant1 | 5510 | 46.320 | 5487.200 | 5533.520 | --- | --- |
| | | 5590 | 46.480 | 5566.480 | 5612.960 | --- | --- |
| | | 5670 | 46.560 | 5646.640 | 5693.200 | --- | --- |
| 11AC20SISO | Ant1 | 5500 | 26.520 | 5486.560 | 5513.080 | --- | --- |
| | | 5580 | 26.280 | 5566.880 | 5593.160 | --- | --- |
| | | 5700 | 26.000 | 5687.000 | 5713.000 | --- | --- |
| 11AC40SISO | Ant1 | 5510 | 46.960 | 5487.040 | 5534.000 | --- | --- |
| | | 5590 | 47.680 | 5565.760 | 5613.440 | --- | --- |
| | | 5670 | 46.080 | 5646.960 | 5693.040 | --- | --- |
| 11AC80SISO | Ant1 | 5530 | 106.880 | 5482.160 | 5589.040 | --- | --- |
| | | 5610 | 89.600 | 5565.360 | 5654.960 | --- | --- |
| 11AX20SISO | Ant1 | 5500 | 25.000 | 5487.760 | 5512.760 | --- | --- |
| | | 5580 | 24.480 | 5567.520 | 5592.000 | --- | --- |
| | | 5700 | 26.440 | 5686.560 | 5713.000 | --- | --- |
| 11AX40SISO | Ant1 | 5510 | 46.160 | 5487.120 | 5533.280 | --- | --- |
| | | 5590 | 45.520 | 5567.280 | 5612.800 | --- | --- |
| | | 5670 | 46.080 | 5646.800 | 5692.880 | --- | --- |
| 11AX80SISO | Ant1 | 5530 | 85.920 | 5486.960 | 5572.880 | --- | --- |
| | | 5610 | 88.000 | 5565.840 | 5653.840 | --- | --- |

## Test Graphs

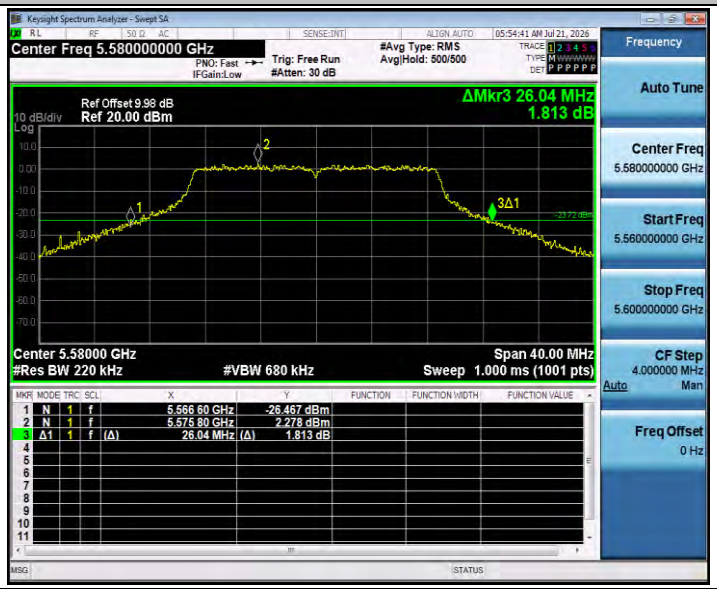
| 11A_Ant1_5500 |
| --- |
|  |
| 11A_Ant1_5580 |
|  |
| 11A_Ant1_5700 |

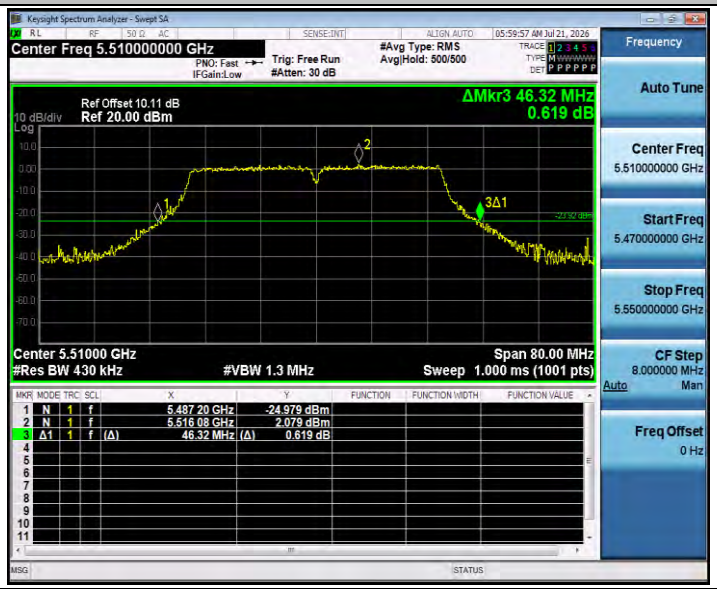


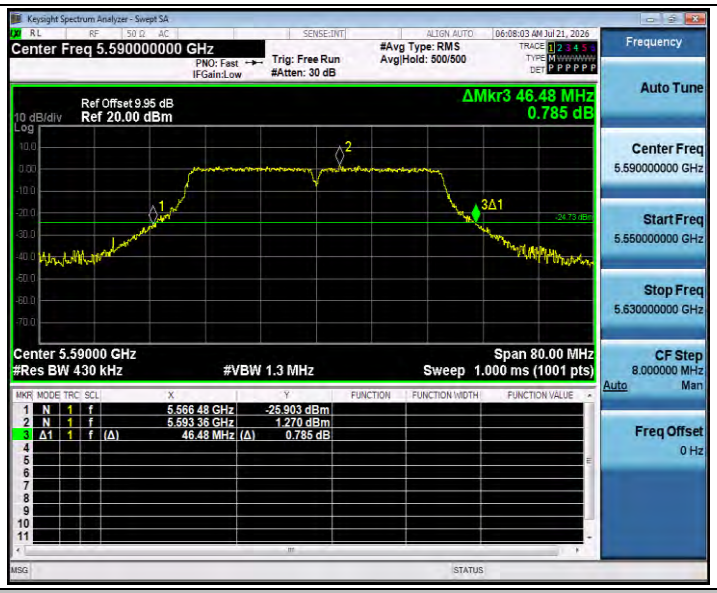

11N20SISO_Ant1_5500



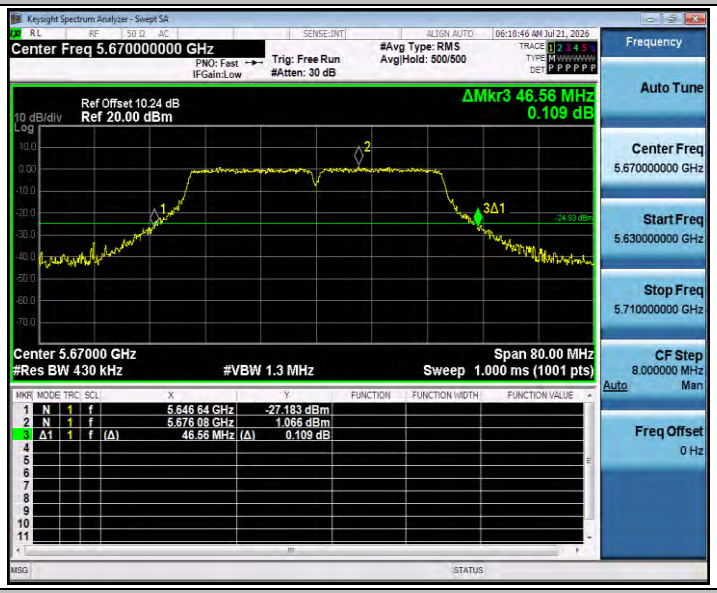

11N20SISO_Ant1_5580



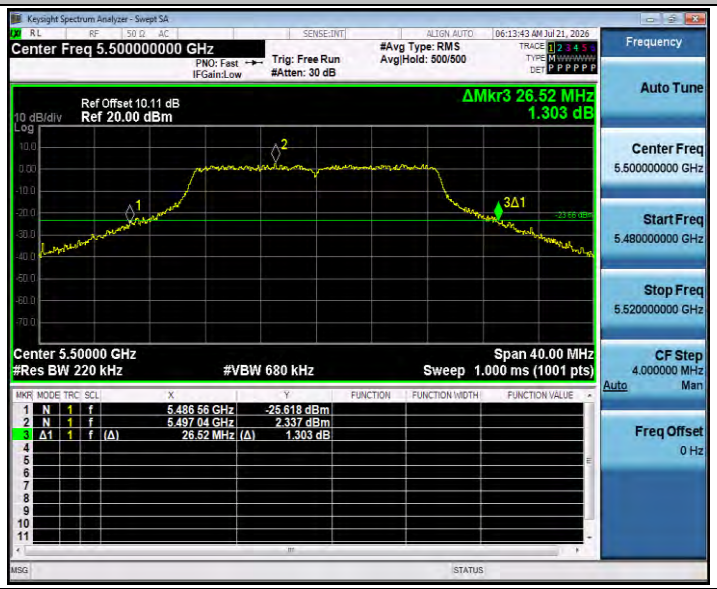
| 11N20SISO_Ant1_5700 |
| --- |
| |
| 11N40SISO_Ant1_5510 |
|  |
| 11N40SISO_Ant1_5590 |

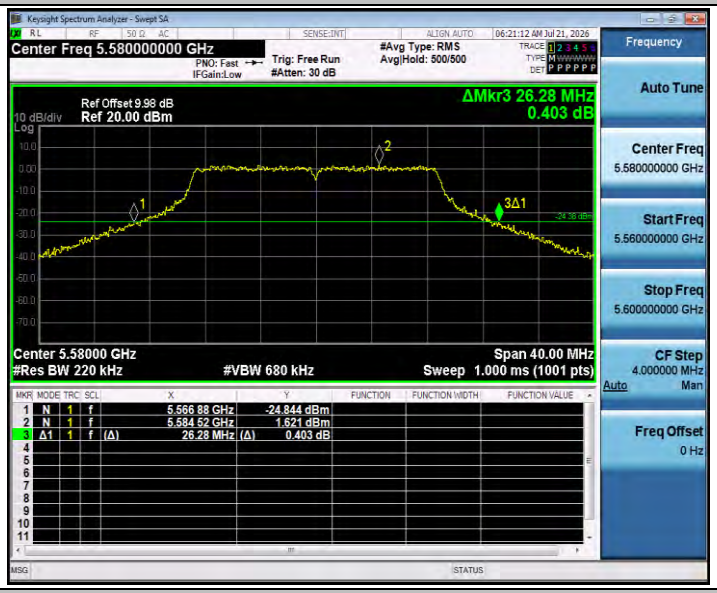
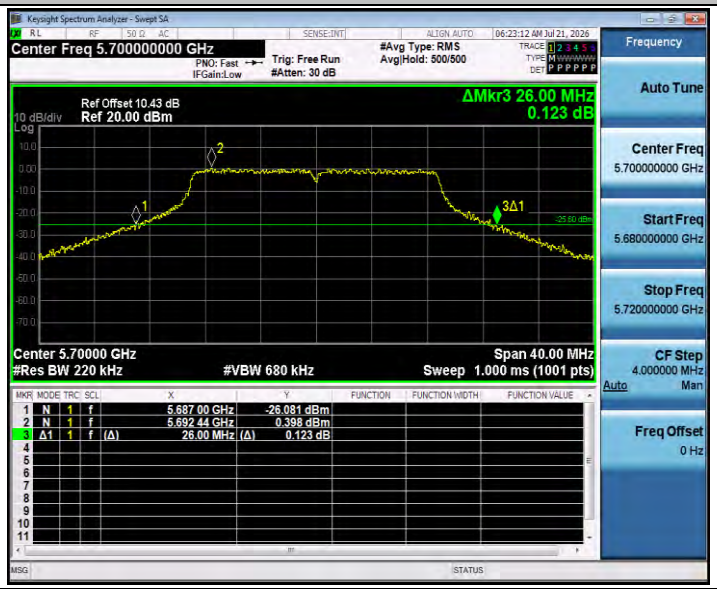


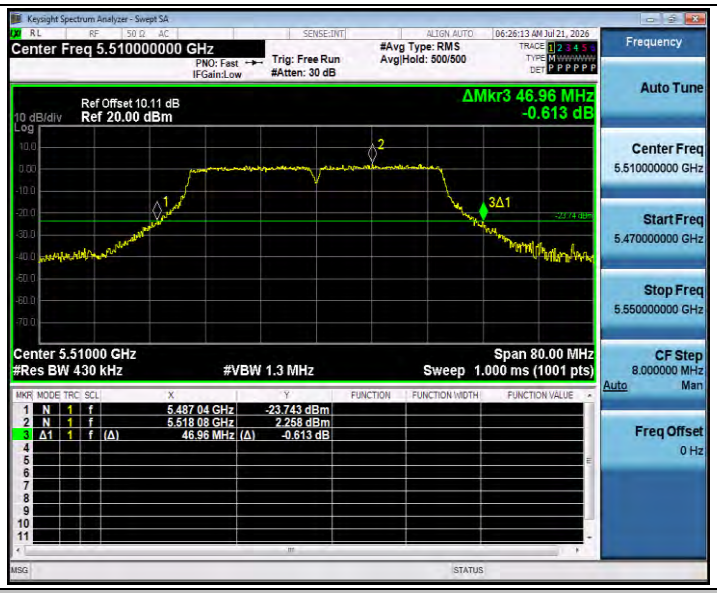

11N40SISO_Ant1_5670



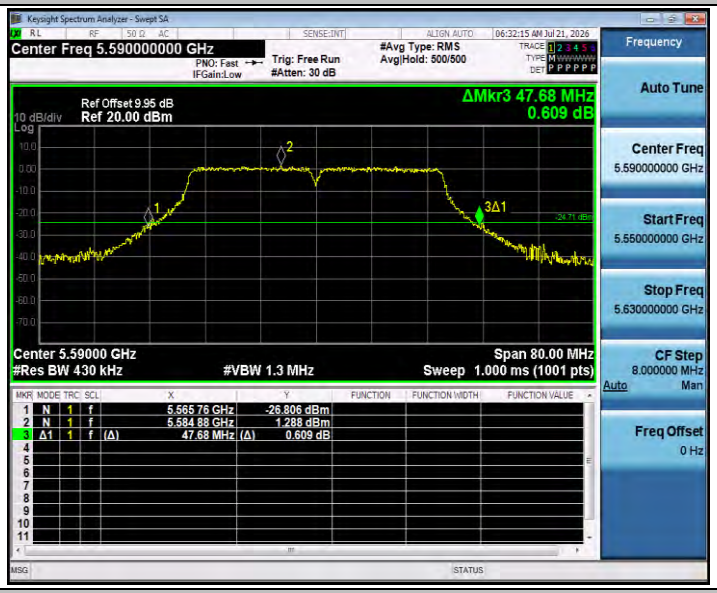

11AC20SISO_Ant1_5500



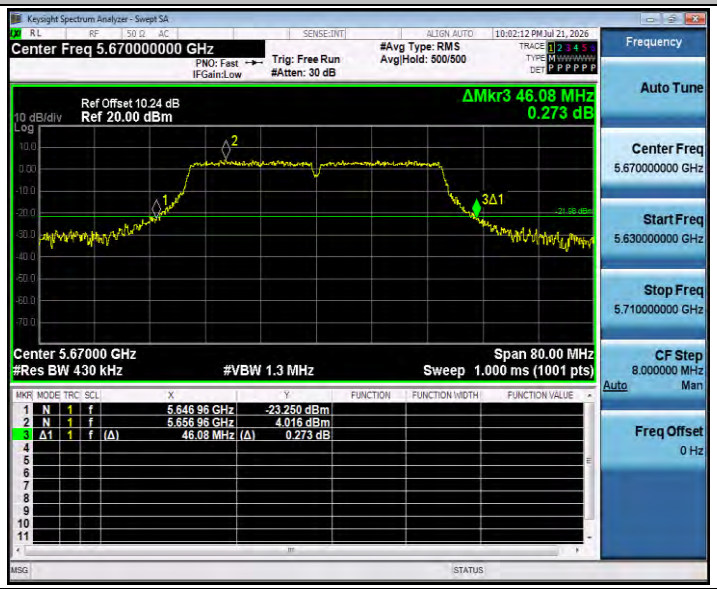
| 11AC20SISO_Ant1_5580 |
| --- |
|  |
| 11AC20SISO_Ant1_5700 |
|  |
| 11AC40SISO_Ant1_5510 |

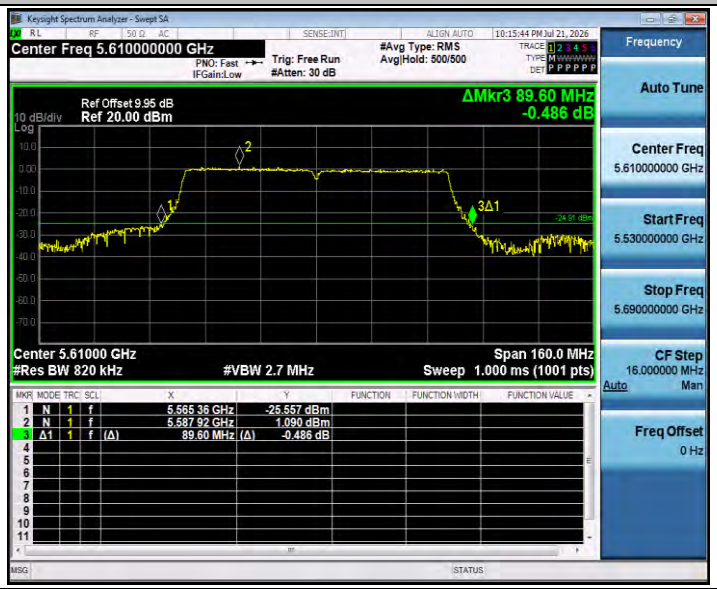


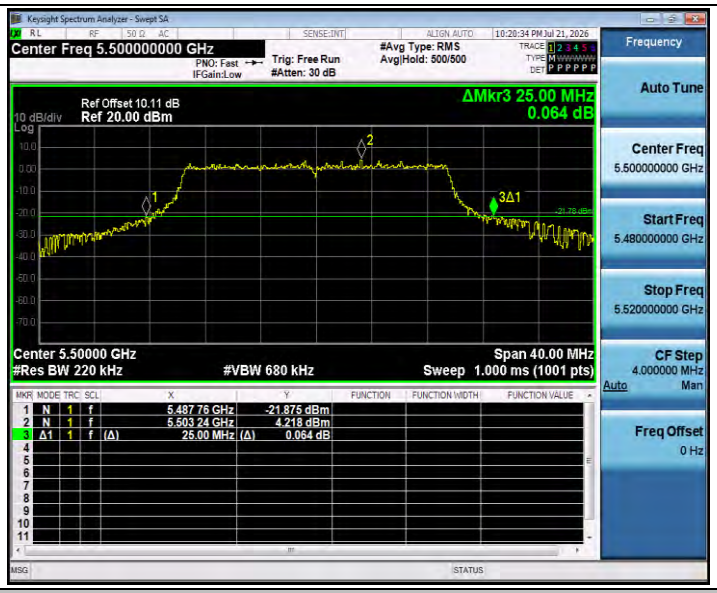

11AC40SISO_Ant1_5590



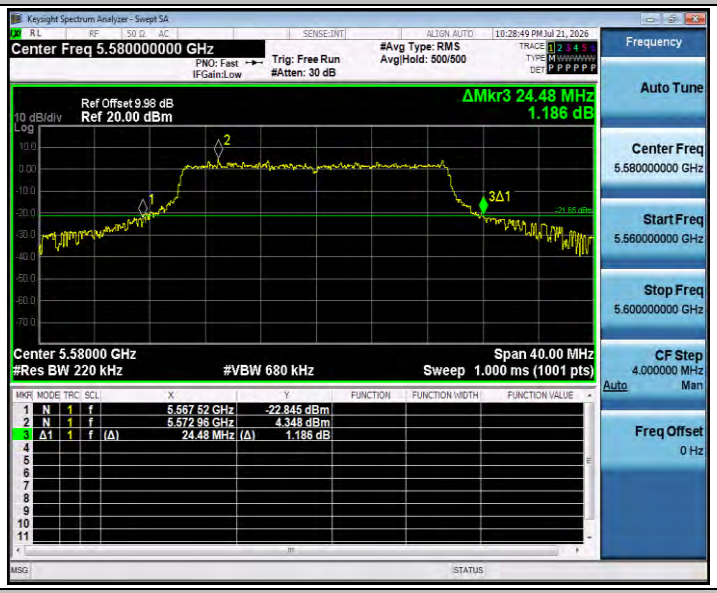

11AC40SISO_Ant1_5670



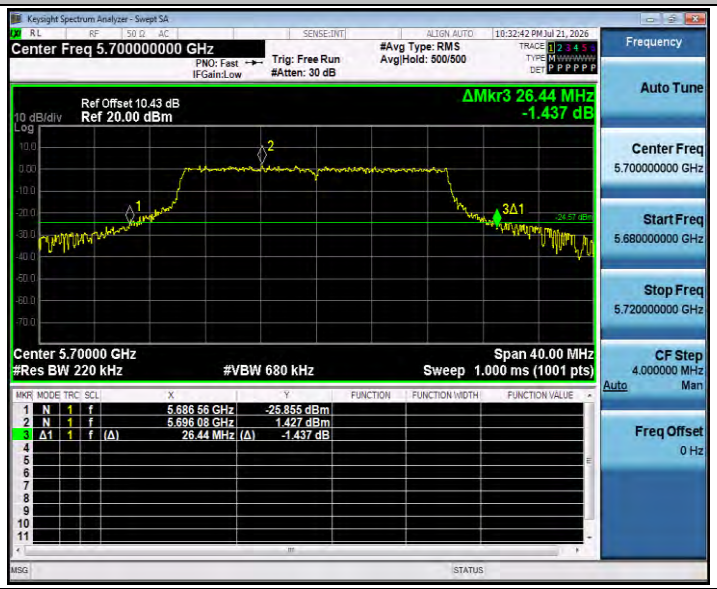
| 11AC80SISO_Ant1_5530 |
| --- |
| |
| 11AC80SISO_Ant1_5610 |
|  |
| 11AX20SISO_Ant1_5500 |

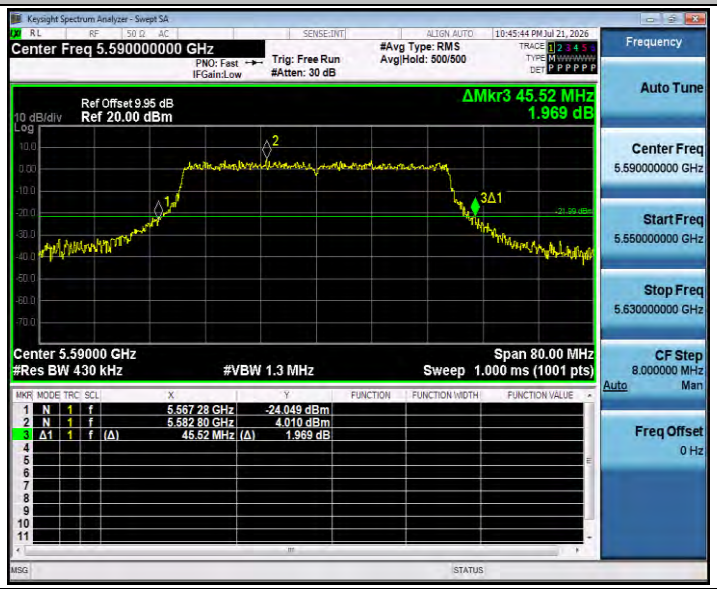


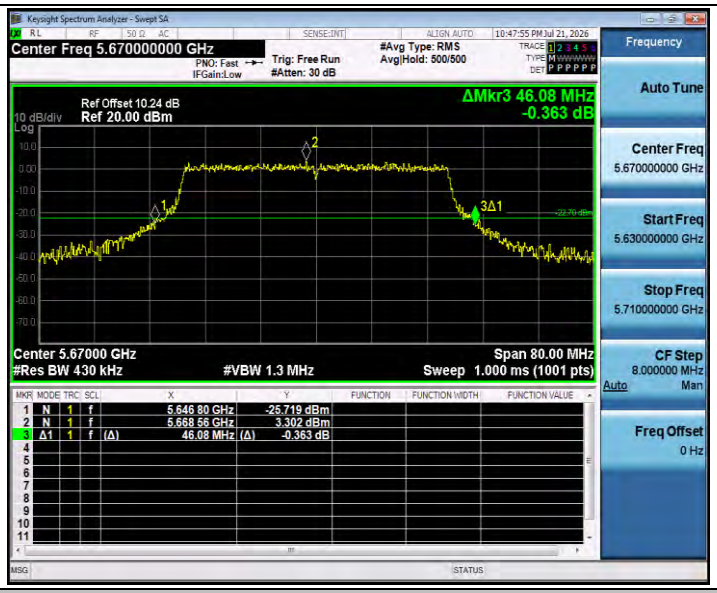

11AX20SISO_Ant1_5580



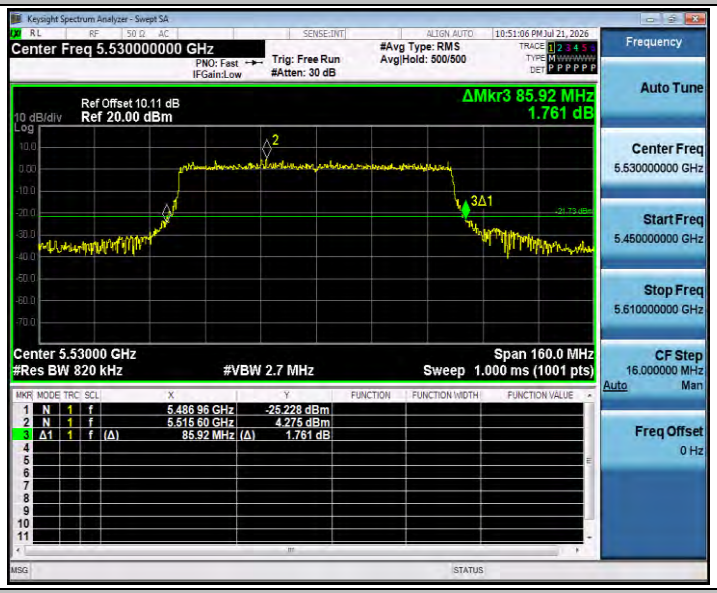

11AX20SISO_Ant1_5700



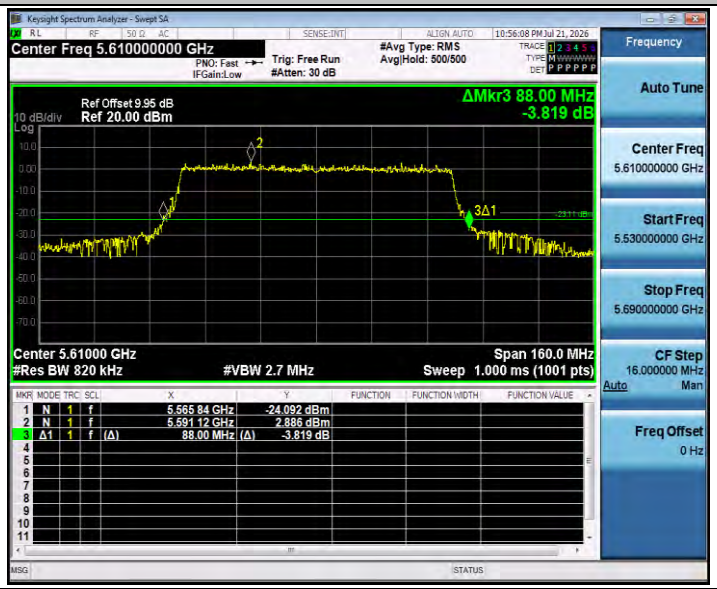
| 11AX40SISO_Ant1_5510 |
| --- |
| |
| 11AX40SISO_Ant1_5590 |
|  |
| 11AX40SISO_Ant1_5670 |




11AX80SISO_Ant1_5530




11AX80SISO_Ant1_5610



# AppendixF.2: Occupied channel bandwidth

## Test Result

| TestMode | Antenna | Freq(MHz) | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5500 | 17.874 | 5491.0733 | 5508.9473 | --- | --- |
| | | 5580 | 17.889 | 5570.9597 | 5588.8487 | --- | --- |
| | | 5700 | 17.926 | 5690.8573 | 5708.7833 | --- | --- |
| 11N20SISO | Ant1 | 5500 | 19.016 | 5490.5261 | 5509.5421 | --- | --- |
| | | 5580 | 18.998 | 5570.4431 | 5589.4411 | --- | --- |
| | | 5700 | 19.060 | 5690.3024 | 5709.3624 | --- | --- |
| 11N40SISO | Ant1 | 5510 | 37.506 | 5491.3482 | 5528.8542 | --- | --- |
| | | 5590 | 37.452 | 5571.1794 | 5608.6314 | --- | --- |
| | | 5670 | 37.409 | 5651.2062 | 5688.6152 | --- | --- |
| 11AC20SISO | Ant1 | 5500 | 18.987 | 5490.5662 | 5509.5532 | --- | --- |
| | | 5580 | 18.875 | 5570.5016 | 5589.3766 | --- | --- |
| | | 5700 | 18.976 | 5690.3913 | 5709.3673 | --- | --- |
| 11AC40SISO | Ant1 | 5510 | 37.369 | 5491.3956 | 5528.7646 | --- | --- |
| | | 5590 | 37.583 | 5571.1630 | 5608.7460 | --- | --- |
| | | 5670 | 37.530 | 5651.2205 | 5688.7505 | --- | --- |
| 11AC80SISO | Ant1 | 5530 | 76.717 | 5491.7459 | 5568.4629 | --- | --- |
| | | 5610 | 76.944 | 5571.4481 | 5648.3921 | --- | --- |
| 11AX20SISO | Ant1 | 5500 | 19.612 | 5490.2143 | 5509.8263 | --- | --- |
| | | 5580 | 19.593 | 5570.1811 | 5589.7741 | --- | --- |
| | | 5700 | 19.768 | 5690.0239 | 5709.7919 | --- | --- |
| 11AX40SISO | Ant1 | 5510 | 38.530 | 5490.7438 | 5529.2738 | --- | --- |
| | | 5590 | 38.505 | 5570.6957 | 5609.2007 | --- | --- |
| | | 5670 | 38.477 | 5650.7356 | 5689.2126 | --- | --- |
| 11AX80SISO | Ant1 | 5530 | 78.070 | 5490.9377 | 5569.0077 | --- | --- |
| | | 5610 | 78.446 | 5570.6866 | 5649.1326 | --- | --- |

## Test Graphs

| 11A_Ant1_5500 |
| --- |
| |
| 11A_Ant1_5580 |
| |
| 11A_Ant1_5700 |

11N20SISO_Ant1_5500

11N20SISO_Ant1_5580

| 11N20SISO_Ant1_5700 |
| --- |
| |
| 11N40SISO_Ant1_5510 |
| |
| 11N40SISO_Ant1_5590 |

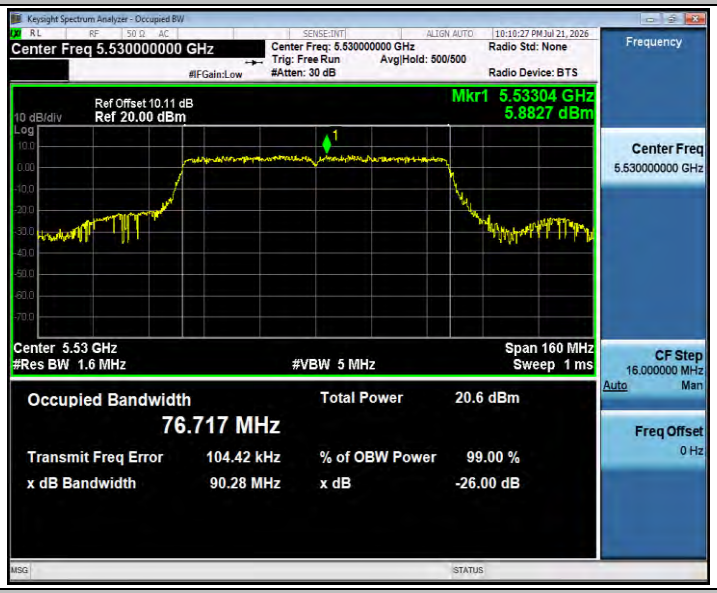
11N40SISO_Ant1_5670

11AC20SISO_Ant1_5500

| 11AC20SISO_Ant1_5580 |
| --- |
| |
| 11AC20SISO_Ant1_5700 |
| |
| 11AC40SISO_Ant1_5510 |

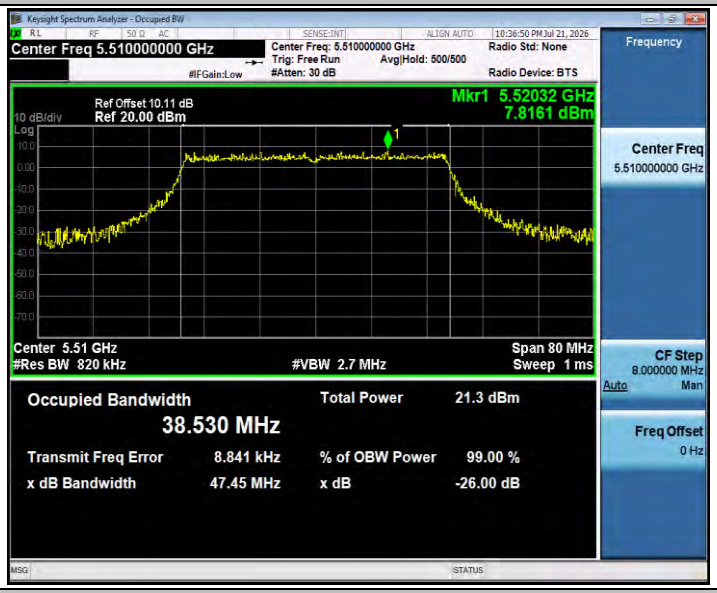
11AC40SISO_Ant1_5590

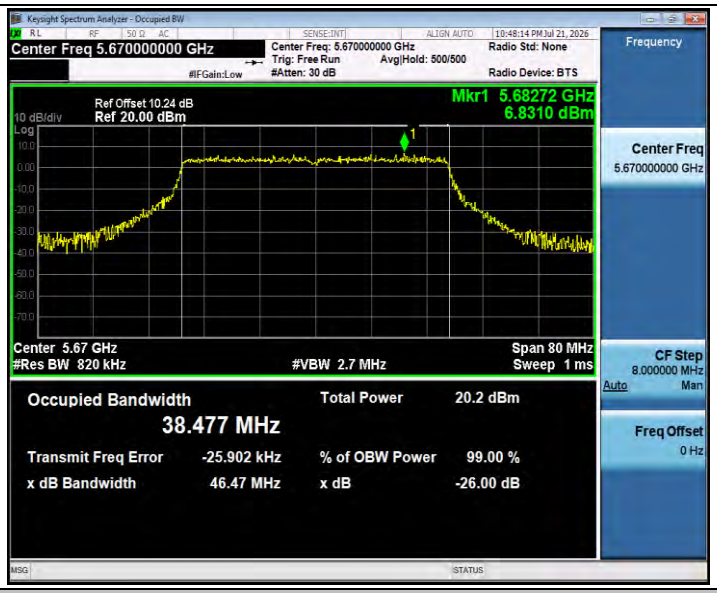
11AC40SISO_Ant1_5670

| 11AC80SISO_Ant1_5530 |
| --- |
|  |
| 11AC80SISO_Ant1_5610 |
| |
| 11AX20SISO_Ant1_5500 |

11AX20SISO_Ant1_5580

11AX20SISO_Ant1_5700

| 11AX40SISO_Ant1_5510 |
| --- |
|  |
| 11AX40SISO_Ant1_5590 |
| |
| 11AX40SISO_Ant1_5670 |




11AX80SISO_Ant1_5530

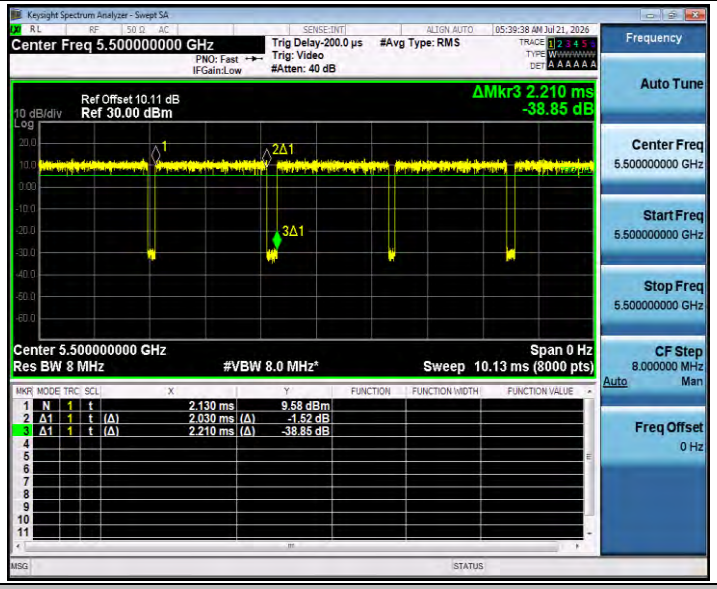
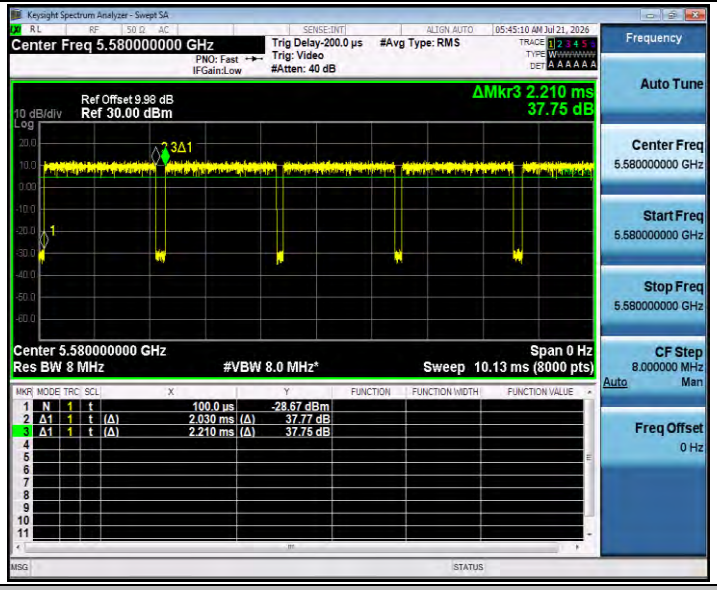
11AX80SISO_Ant1_5610

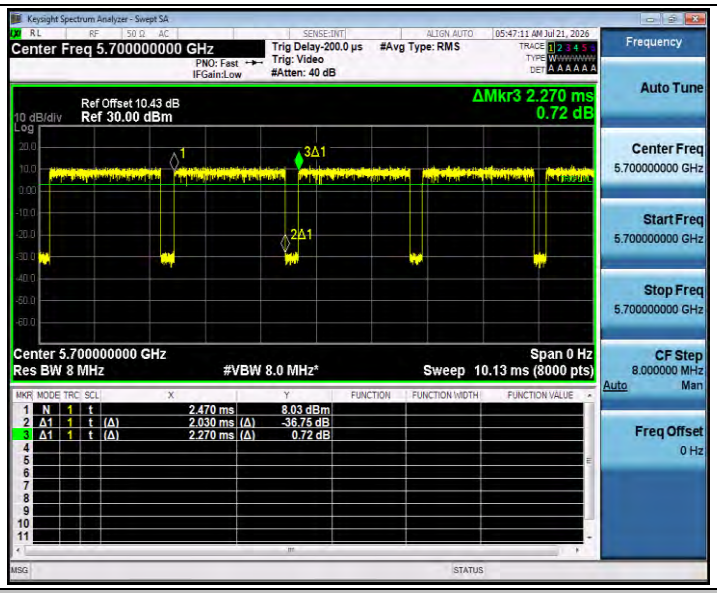
# AppendixF.3: Duty Cycle

## Test Result

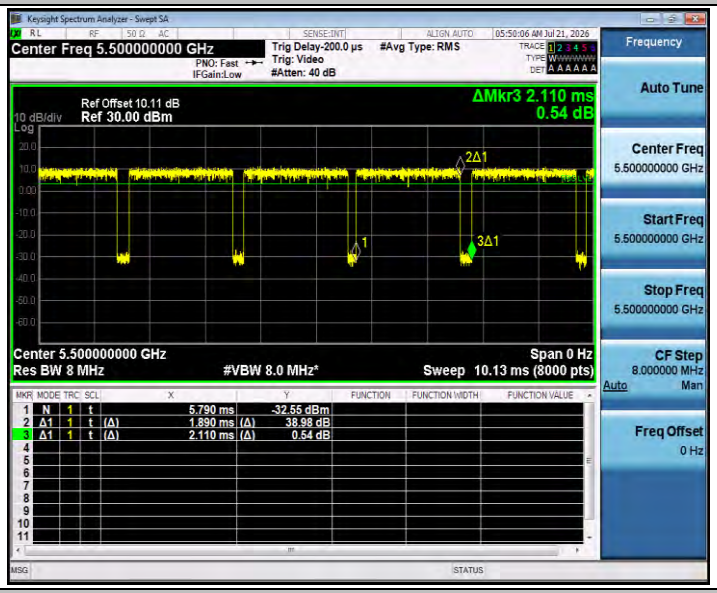
| TestMode | Antenna | Freq(MHz) | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] | 1/T Factor[KHz] |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5500 | 2.03 | 2.21 | 91.86 | 0.37 | 0.49 |
| | | 5580 | 2.03 | 2.21 | 91.86 | 0.37 | 0.49 |
| | | 5700 | 2.03 | 2.27 | 89.43 | 0.49 | 0.49 |
| 11N20SISO | Ant1 | 5500 | 1.89 | 2.11 | 89.57 | 0.48 | 0.53 |
| | | 5580 | 1.89 | 2.08 | 90.87 | 0.42 | 0.53 |
| | | 5700 | 1.89 | 2.12 | 89.15 | 0.50 | 0.53 |
| 11N40SISO | Ant1 | 5510 | 0.93 | 1.42 | 65.49 | 1.84 | 1.08 |
| | | 5590 | 0.93 | 1.15 | 80.87 | 0.92 | 1.08 |
| | | 5670 | 0.93 | 1.17 | 79.49 | 1.00 | 1.08 |
| 11AC20SISO | Ant1 | 5500 | 1.90 | 2.10 | 90.48 | 0.43 | 0.53 |
| | | 5580 | 1.90 | 2.08 | 91.35 | 0.39 | 0.53 |
| | | 5700 | 1.90 | 2.11 | 90.05 | 0.46 | 0.53 |
| 11AC40SISO | Ant1 | 5510 | 0.93 | 1.17 | 79.49 | 1.00 | 1.08 |
| | | 5590 | 0.94 | 1.15 | 81.74 | 0.88 | 1.06 |
| | | 5670 | 0.94 | 1.40 | 67.14 | 1.73 | 1.06 |
| 11AC80SISO | Ant1 | 5530 | 0.45 | 0.68 | 66.18 | 1.79 | 2.22 |
| | | 5610 | 0.45 | 0.68 | 66.18 | 1.79 | 2.22 |
| 11AX20SISO | Ant1 | 5500 | 1.46 | 1.64 | 89.02 | 0.51 | 0.68 |
| | | 5580 | 1.46 | 1.64 | 89.02 | 0.51 | 0.68 |
| | | 5700 | 1.46 | 1.67 | 87.43 | 0.58 | 0.68 |
| 11AX40SISO | Ant1 | 5510 | 0.77 | 0.98 | 78.57 | 1.05 | 1.30 |
| | | 5590 | 0.76 | 0.99 | 76.77 | 1.15 | 1.32 |
| | | 5670 | 0.76 | 0.99 | 76.77 | 1.15 | 1.32 |
| 11AX80SISO | Ant1 | 5530 | 0.40 | 0.88 | 45.45 | 3.42 | 2.50 |
| | | 5610 | 0.39 | 0.62 | 62.90 | 2.01 | 2.56 |

## Test Graphs

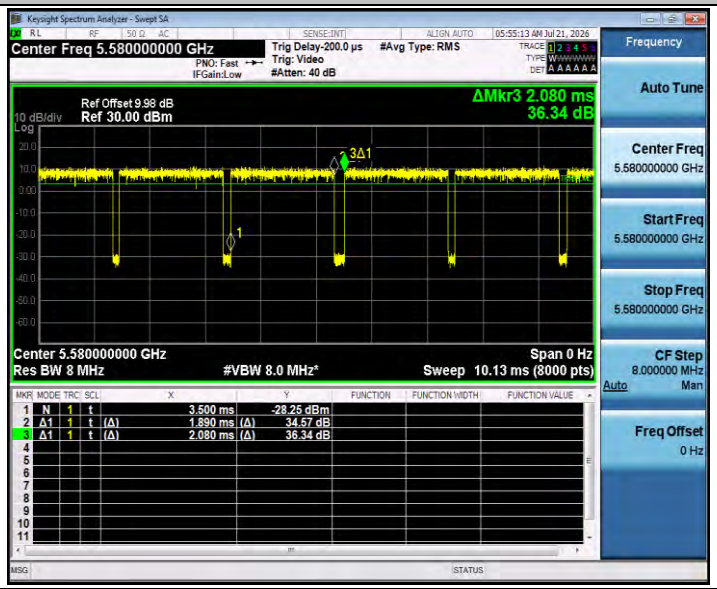
| 11A_Ant1_5500 |
| --- |
|  |
| 11A_Ant1_5580 |
|  |
| 11A_Ant1_5700 |

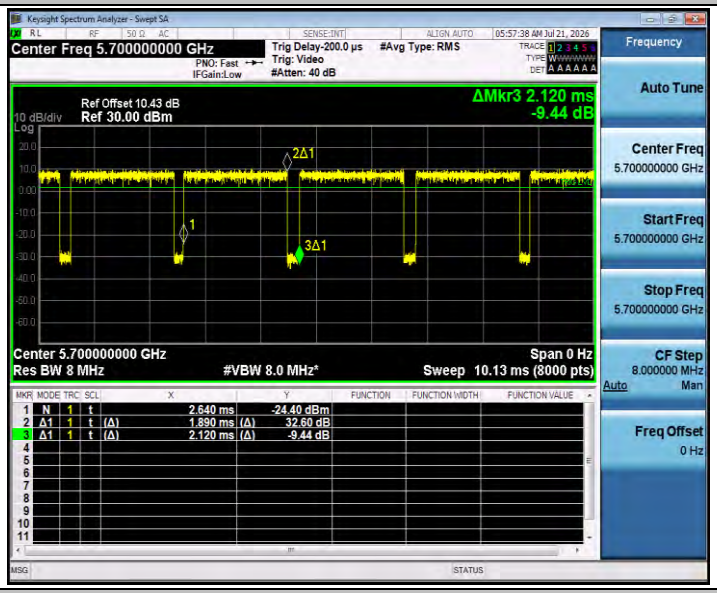
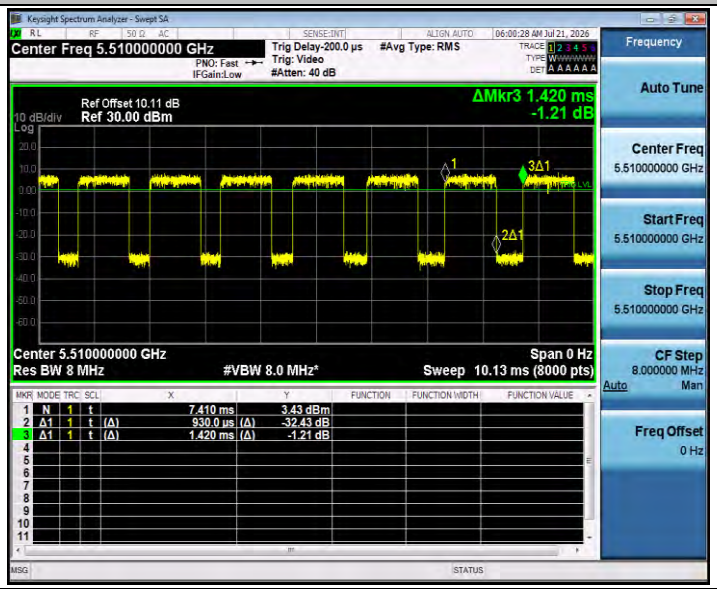


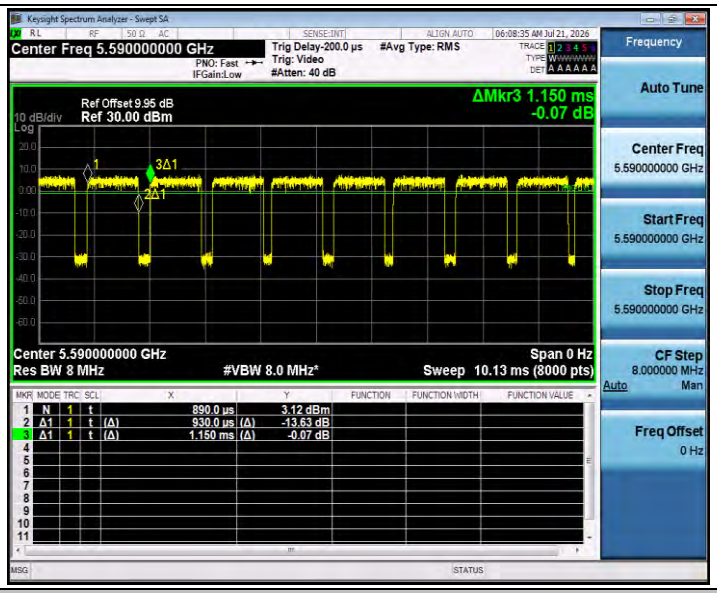

11N20SISO_Ant1_5500



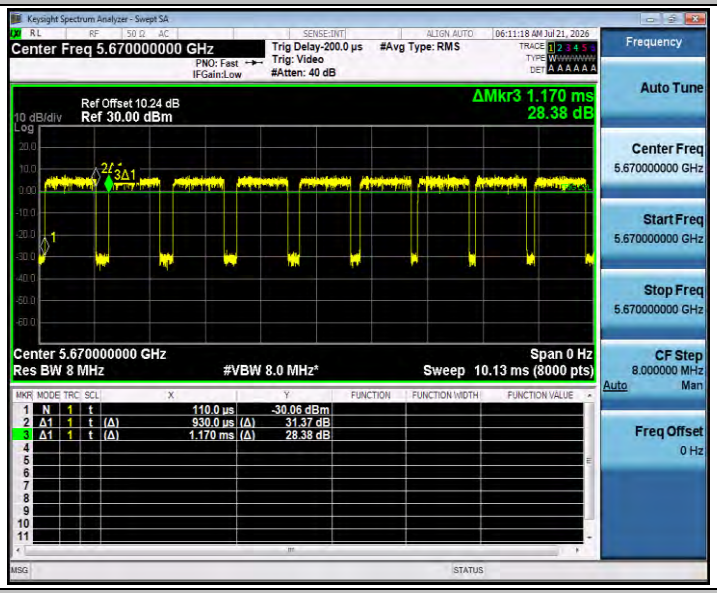

11N20SISO_Ant1_5580



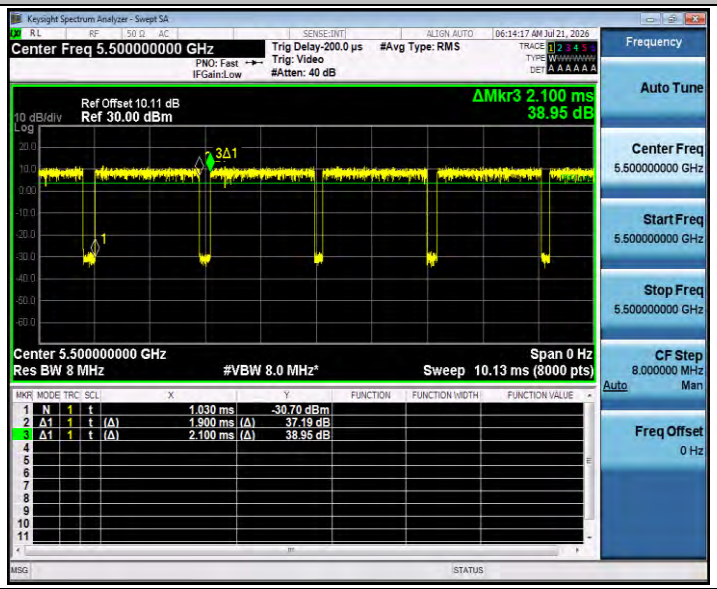
| 11N20SISO_Ant1_5700 |
| --- |
|  |
| 11N40SISO_Ant1_5510 |
|  |
| 11N40SISO_Ant1_5590 |

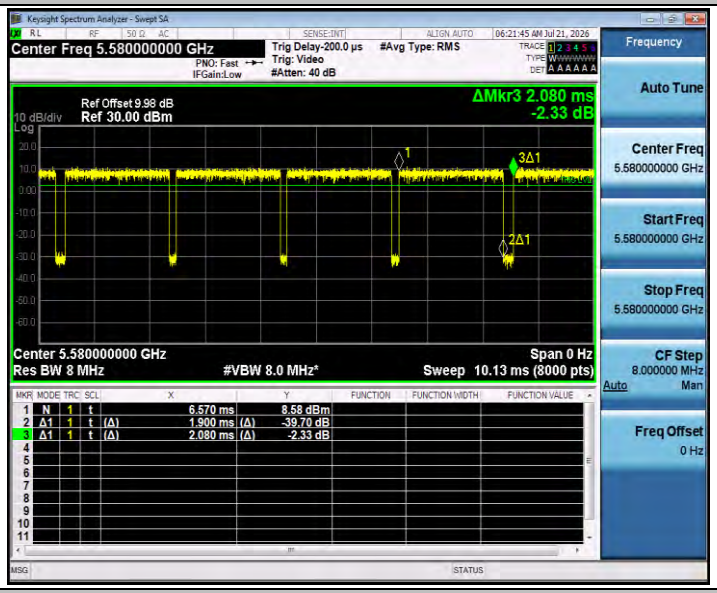
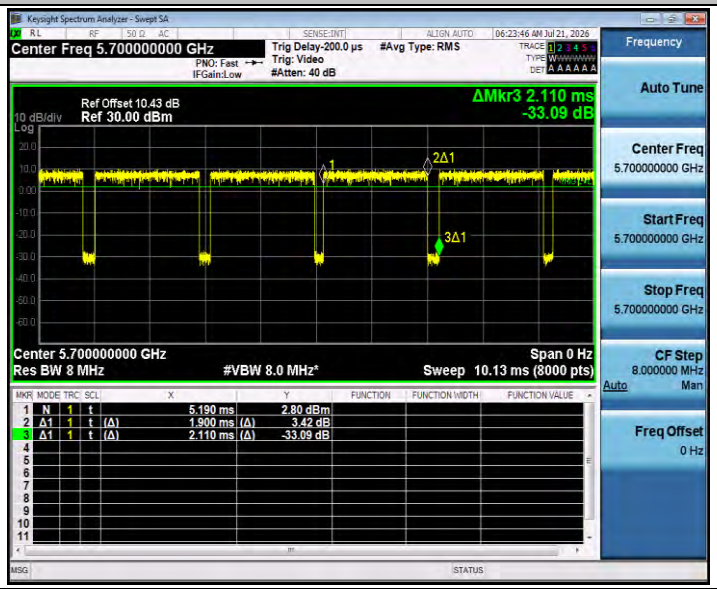


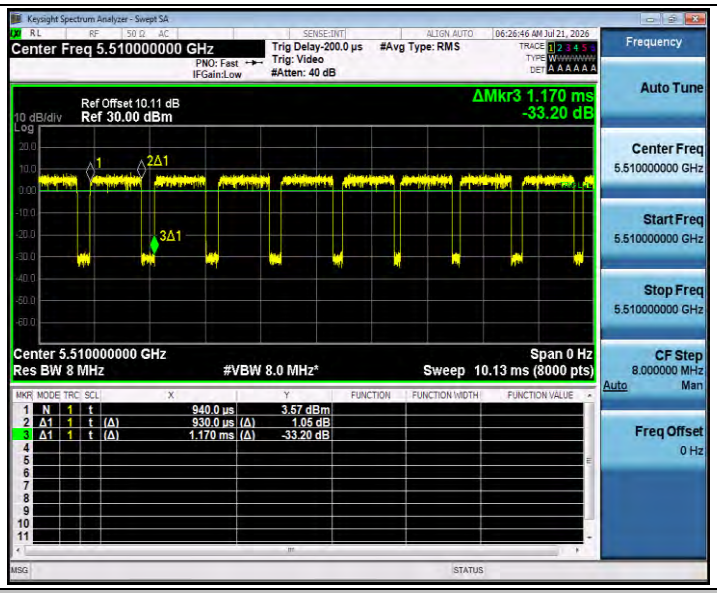

11N40SISO_Ant1_5670



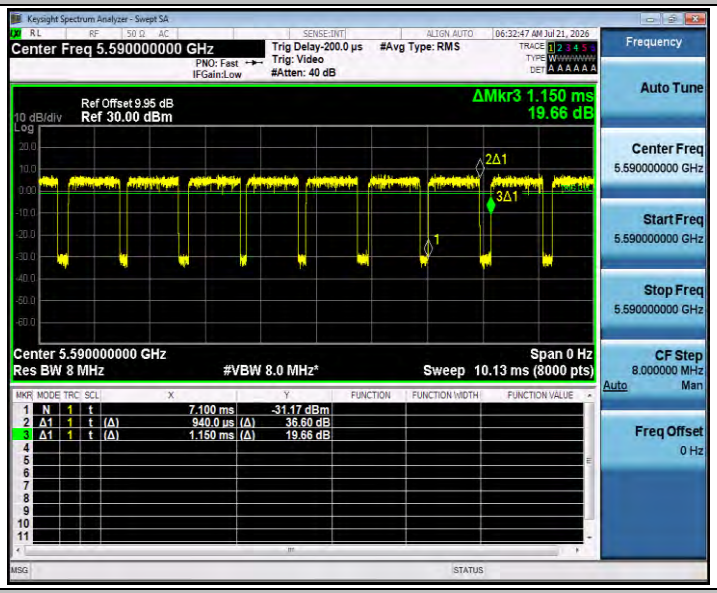

11AC20SISO_Ant1_5500



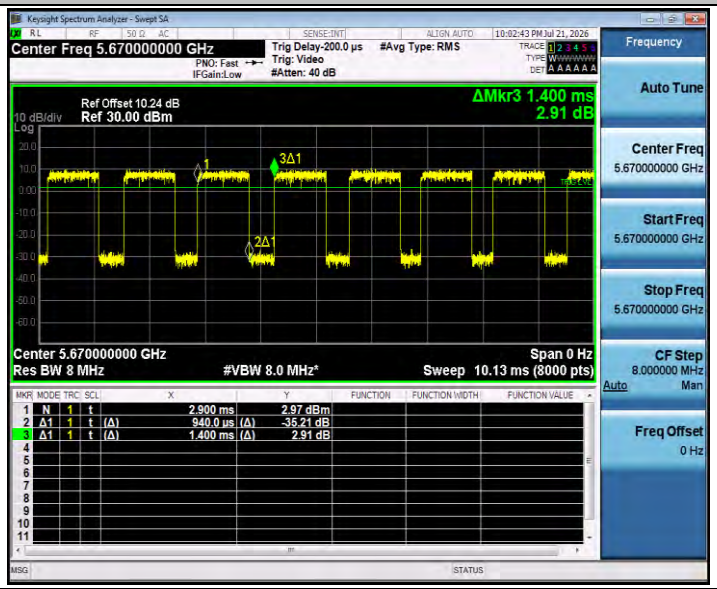
| 11AC20SISO_Ant1_5580 |
| --- |
|  |
| 11AC20SISO_Ant1_5700 |
|  |
| 11AC40SISO_Ant1_5510 |

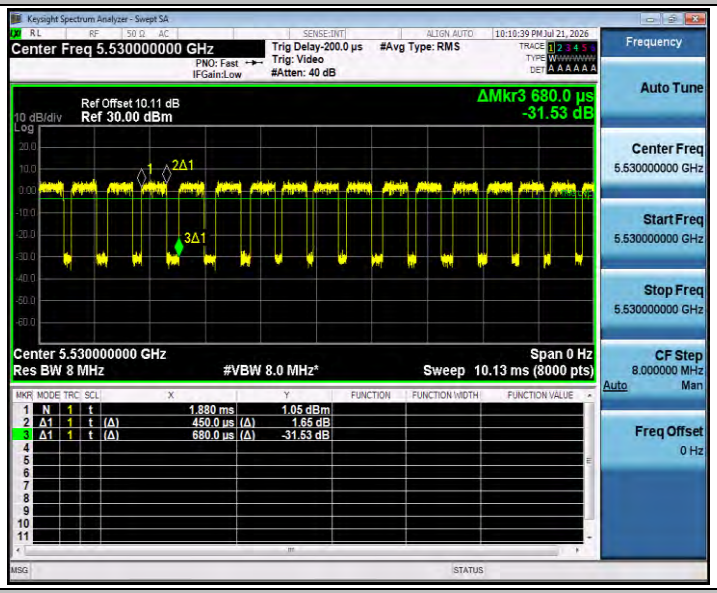
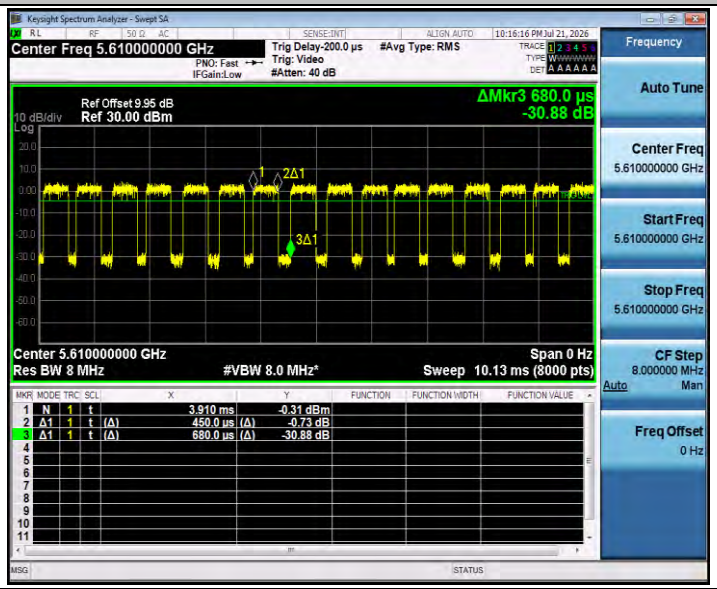


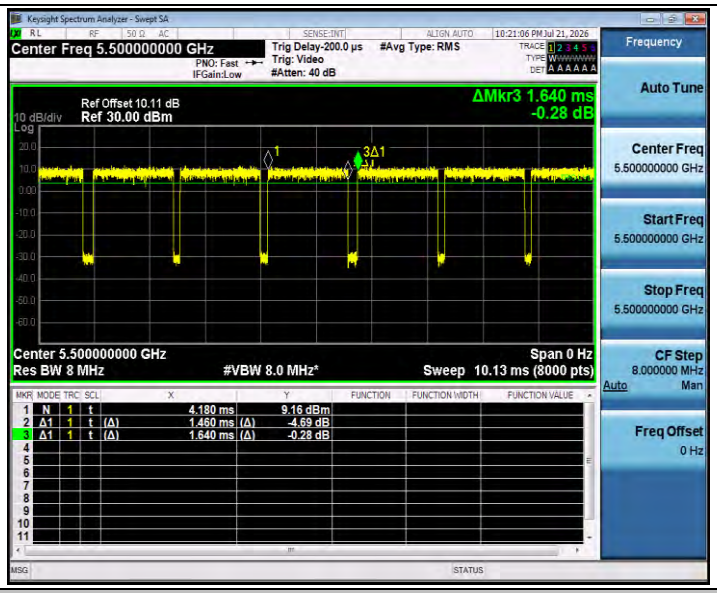

11AC40SISO_Ant1_5590



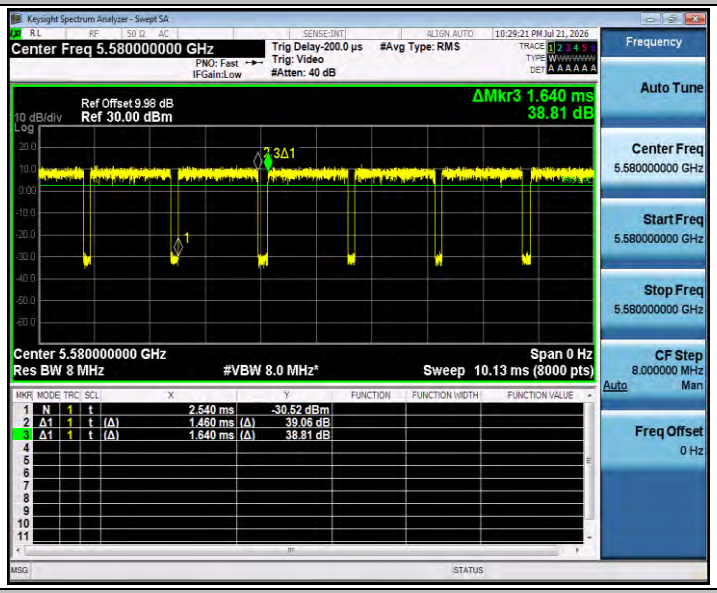

11AC40SISO_Ant1_5670



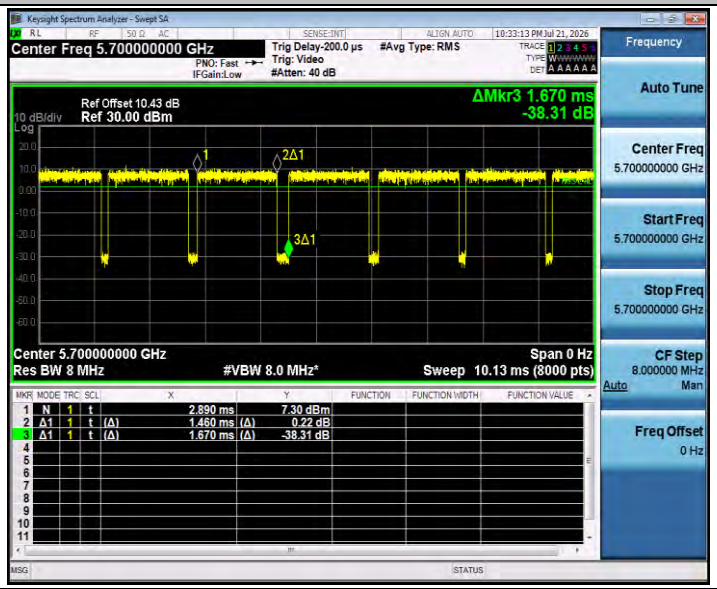
| 11AC80SISO_Ant1_5530 |
| --- |
|  |
| 11AC80SISO_Ant1_5610 |
|  |
| 11AX20SISO_Ant1_5500 |

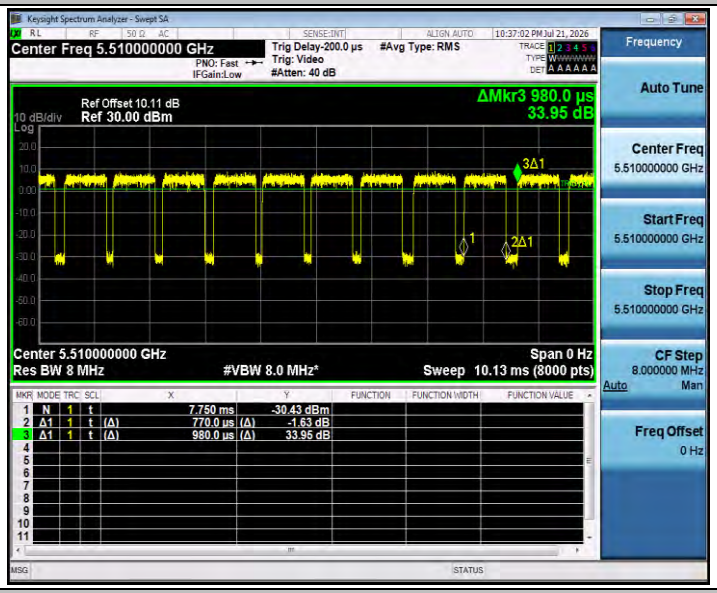
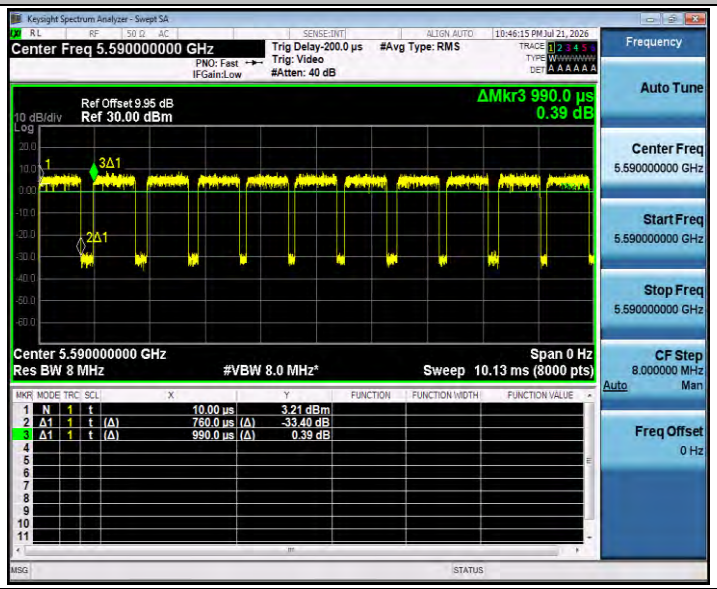


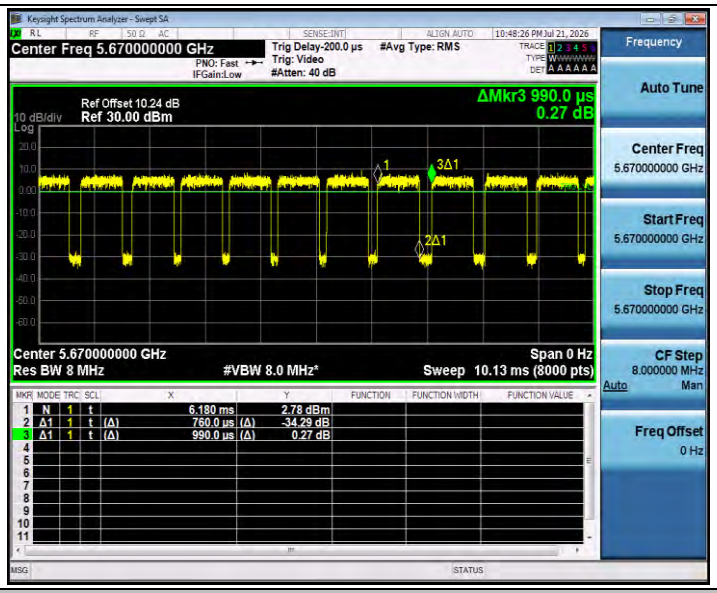

11AX20SISO_Ant1_5580



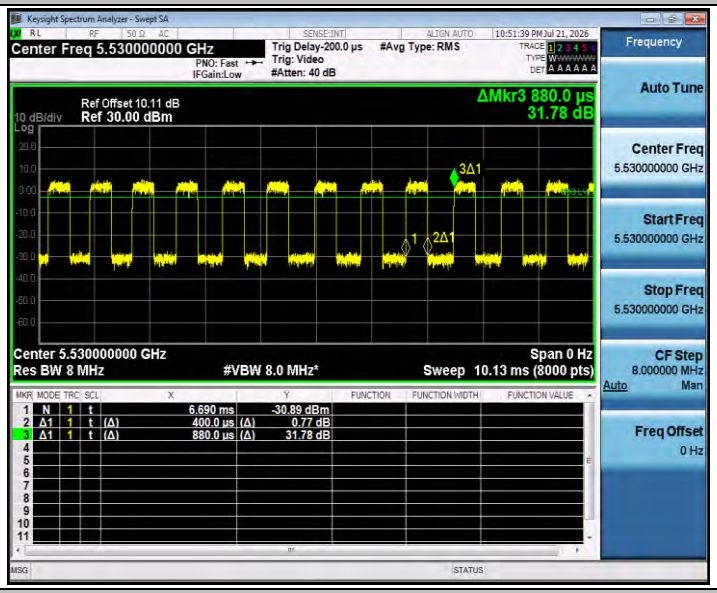

11AX20SISO_Ant1_5700



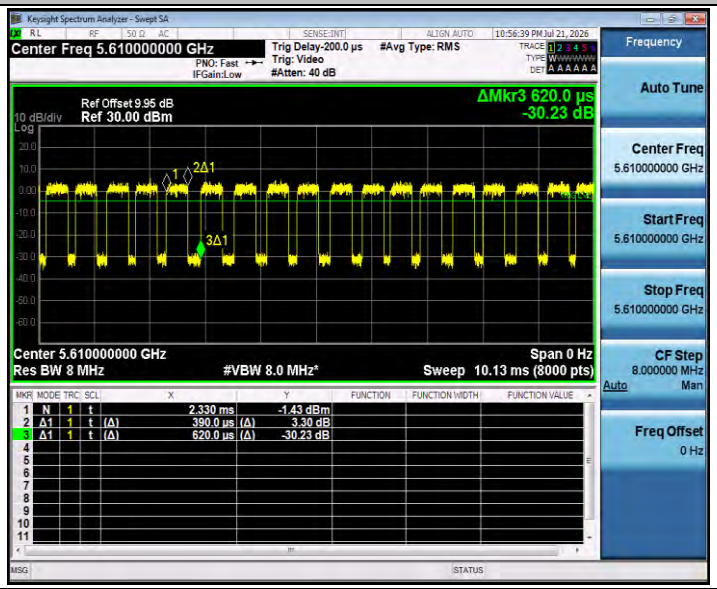
| 11AX40SISO_Ant1_5510 |
| --- |
|  |
| 11AX40SISO_Ant1_5590 |
|  |
| 11AX40SISO_Ant1_5670 |




11AX80SISO_Ant1_5530




11AX80SISO_Ant1_5610



# AppendixF.4: Maximum conducted output power

## Test Result

**DC 24V:**

| Test Mode | Antenna | Freq(MHz) | Channel Powert [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5500 | 13.60 | 91.86 | 0.37 | 13.97 | ≤23.98 | PASS |
| | | 5580 | 12.91 | 91.86 | 0.37 | 13.28 | ≤23.98 | PASS |
| | | 5700 | 11.60 | 89.43 | 0.49 | 12.09 | ≤23.98 | PASS |
| 11N20SISO | Ant1 | 5500 | 12.10 | 89.57 | 0.48 | 12.58 | ≤23.98 | PASS |
| | | 5580 | 11.99 | 90.87 | 0.42 | 12.41 | ≤23.98 | PASS |
| | | 5700 | 10.66 | 89.15 | 0.50 | 11.16 | ≤23.98 | PASS |
| 11N40SISO | Ant1 | 5510 | 11.65 | 65.49 | 1.84 | 13.49 | ≤23.98 | PASS |
| | | 5590 | 10.93 | 80.87 | 0.92 | 11.85 | ≤23.98 | PASS |
| | | 5670 | 10.75 | 79.49 | 1.00 | 11.75 | ≤23.98 | PASS |
| 11AC20SISO | Ant1 | 5500 | 12.18 | 90.48 | 0.43 | 12.61 | ≤23.98 | PASS |
| | | 5580 | 11.83 | 91.35 | 0.39 | 12.22 | ≤23.98 | PASS |
| | | 5700 | 10.59 | 90.05 | 0.46 | 11.05 | ≤23.98 | PASS |
| 11AC40SISO | Ant1 | 5510 | 11.69 | 79.49 | 1.00 | 12.69 | ≤23.98 | PASS |
| | | 5590 | 10.97 | 81.74 | 0.88 | 11.85 | ≤23.98 | PASS |
| | | 5670 | 12.89 | 67.14 | 1.73 | 14.62 | ≤23.98 | PASS |
| 11AC80SISO | Ant1 | 5530 | 10.48 | 66.18 | 1.79 | 12.27 | ≤23.98 | PASS |
| | | 5610 | 9.99 | 66.18 | 1.79 | 11.78 | ≤23.98 | PASS |
| 11AX20SISO | Ant1 | 5500 | 12.37 | 89.02 | 0.51 | 12.88 | ≤23.98 | PASS |
| | | 5580 | 12.23 | 89.02 | 0.51 | 12.74 | ≤23.98 | PASS |
| | | 5700 | 10.68 | 87.43 | 0.58 | 11.26 | ≤23.98 | PASS |
| 11AX40SISO | Ant1 | 5510 | 11.72 | 78.57 | 1.05 | 12.77 | ≤23.98 | PASS |
| | | 5590 | 11.28 | 76.77 | 1.15 | 12.43 | ≤23.98 | PASS |
| | | 5670 | 10.15 | 76.77 | 1.15 | 11.30 | ≤23.98 | PASS |
| 11AX80SISO | Ant1 | 5530 | 8.95 | 45.45 | 3.42 | 12.37 | ≤23.98 | PASS |
| | | 5610 | 9.63 | 62.90 | 2.01 | 11.64 | ≤23.98 | PASS |

**DC 55V(PoE++):**

| Test Mode | Antenna | Freq(MHz) | Channel Powert [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5500 | 13.12 | 91.86 | 0.37 | 13.49 | ≤23.98 | PASS |
| | | 5580 | 12.43 | 91.86 | 0.37 | 12.80 | ≤23.98 | PASS |
| | | 5700 | 11.15 | 89.43 | 0.49 | 11.64 | ≤23.98 | PASS |
| 11N20SISO | Ant1 | 5500 | 11.76 | 89.57 | 0.48 | 12.24 | ≤23.98 | PASS |
| | | 5580 | 11.33 | 90.87 | 0.42 | 11.75 | ≤23.98 | PASS |
| | | 5700 | 10.24 | 89.15 | 0.50 | 10.74 | ≤23.98 | PASS |
| 11N40SISO | Ant1 | 5510 | 11.22 | 65.49 | 1.84 | 13.06 | ≤23.98 | PASS |
| | | 5590 | 10.56 | 80.87 | 0.92 | 11.48 | ≤23.98 | PASS |
| | | 5670 | 10.28 | 79.49 | 1.00 | 11.28 | ≤23.98 | PASS |
| 11AC20SISO | Ant1 | 5500 | 11.79 | 90.48 | 0.43 | 12.22 | ≤23.98 | PASS |
| | | 5580 | 11.32 | 91.35 | 0.39 | 11.71 | ≤23.98 | PASS |
| | | 5700 | 10.02 | 90.05 | 0.46 | 10.48 | ≤23.98 | PASS |
| 11AC40SISO | Ant1 | 5510 | 11.14 | 79.49 | 1.00 | 12.14 | ≤23.98 | PASS |
| | | 5590 | 10.48 | 81.74 | 0.88 | 11.36 | ≤23.98 | PASS |
| | | 5670 | 12.35 | 67.14 | 1.73 | 14.08 | ≤23.98 | PASS |
| 11AC80SISO | Ant1 | 5530 | 10.13 | 66.18 | 1.79 | 11.92 | ≤23.98 | PASS |
| | | 5610 | 9.45 | 66.18 | 1.79 | 11.24 | ≤23.98 | PASS |
| 11AX20SISO | Ant1 | 5500 | 12.01 | 89.02 | 0.51 | 12.52 | ≤23.98 | PASS |
| | | 5580 | 11.87 | 89.02 | 0.51 | 12.38 | ≤23.98 | PASS |
| | | 5700 | 10.26 | 87.43 | 0.58 | 10.84 | ≤23.98 | PASS |
| 11AX40SISO | Ant1 | 5510 | 11.31 | 78.57 | 1.05 | 12.36 | ≤23.98 | PASS |
| | | 5590 | 10.88 | 76.77 | 1.15 | 12.03 | ≤23.98 | PASS |
| | | 5670 | 9.78 | 76.77 | 1.15 | 10.93 | ≤23.98 | PASS |
| 11AX80SISO | Ant1 | 5530 | 8.27 | 45.45 | 3.42 | 11.69 | ≤23.98 | PASS |
| | | 5610 | 9.19 | 62.90 | 2.01 | 11.20 | ≤23.98 | PASS |

# AppendixF.5: Maximum power spectral density

## Test Result

| TestMode | Antenna | Freq(MHz) | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|---|---|---|---|---|---|
| 11A | Ant1 | 5500 | 2.25 | ≤11.00 | PASS |
| | | 5580 | 1.66 | ≤11.00 | PASS |
| | | 5700 | 0.68 | ≤11.00 | PASS |
| 11N20SISO | Ant1 | 5500 | 0.74 | ≤11.00 | PASS |
| | | 5580 | 0.40 | ≤11.00 | PASS |
| | | 5700 | -0.46 | ≤11.00 | PASS |
| 11N40SISO | Ant1 | 5510 | -1.01 | ≤11.00 | PASS |
| | | 5590 | -2.53 | ≤11.00 | PASS |
| | | 5670 | -2.95 | ≤11.00 | PASS |
| 11AC20SISO | Ant1 | 5500 | 0.77 | ≤11.00 | PASS |
| | | 5580 | 0.26 | ≤11.00 | PASS |
| | | 5700 | -0.57 | ≤11.00 | PASS |
| 11AC40SISO | Ant1 | 5510 | -1.76 | ≤11.00 | PASS |
| | | 5590 | -2.52 | ≤11.00 | PASS |
| | | 5670 | 0.73 | ≤11.00 | PASS |
| 11AC80SISO | Ant1 | 5530 | -4.48 | ≤11.00 | PASS |
| | | 5610 | -5.02 | ≤11.00 | PASS |
| 11AX20SISO | Ant1 | 5500 | 0.72 | ≤11.00 | PASS |
| | | 5580 | 0.44 | ≤11.00 | PASS |
| | | 5700 | -0.57 | ≤11.00 | PASS |
| 11AX40SISO | Ant1 | 5510 | -1.94 | ≤11.00 | PASS |
| | | 5590 | -2.42 | ≤11.00 | PASS |
| | | 5670 | -3.14 | ≤11.00 | PASS |
| 11AX80SISO | Ant1 | 5530 | -4.54 | ≤11.00 | PASS |
| | | 5610 | -5.31 | ≤11.00 | PASS |

Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

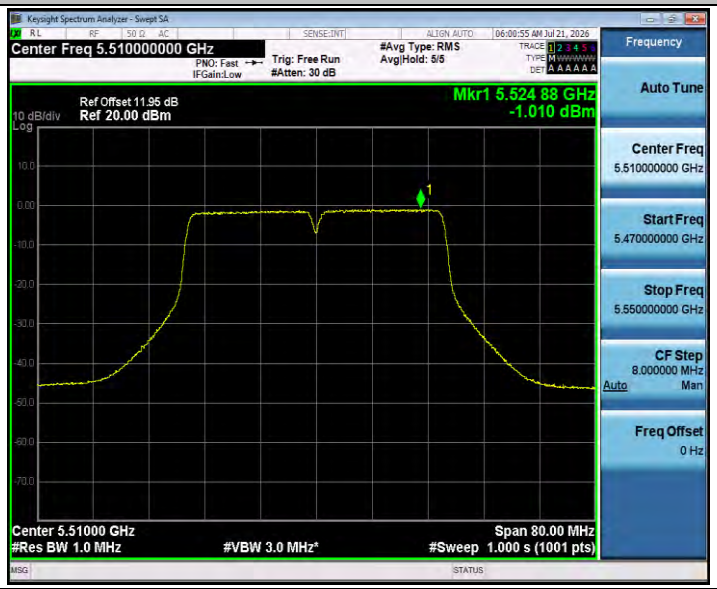
2.The Duty Cycle Factorand RBW Factoriscompensatedinthegraph.

## Test Graphs

| 11A_Ant1_5500 |
| --- |
| |
| 11A_Ant1_5580 |
| |
| 11A_Ant1_5700 |

11N20SISO_Ant1_5500

11N20SISO_Ant1_5580

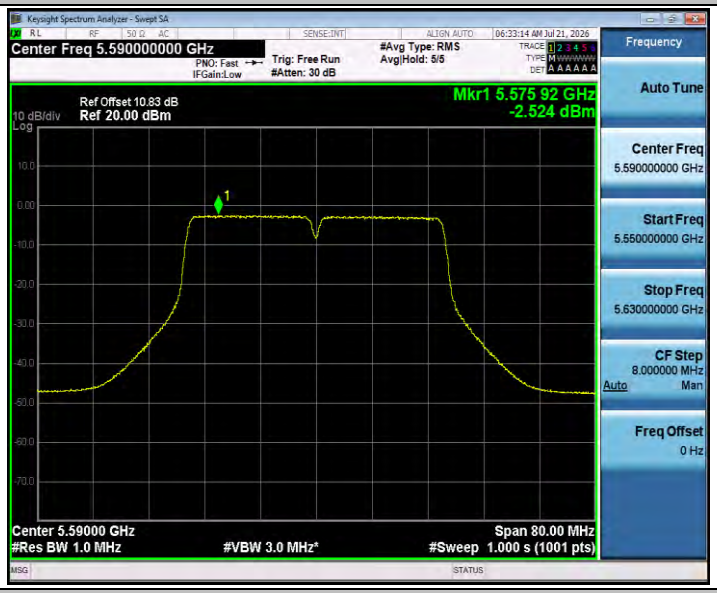
| 11N20SISO_Ant1_5700 |
| --- |
| |
| 11N40SISO_Ant1_5510 |
|  |
| 11N40SISO_Ant1_5590 |

11N40SISO_Ant1_5670

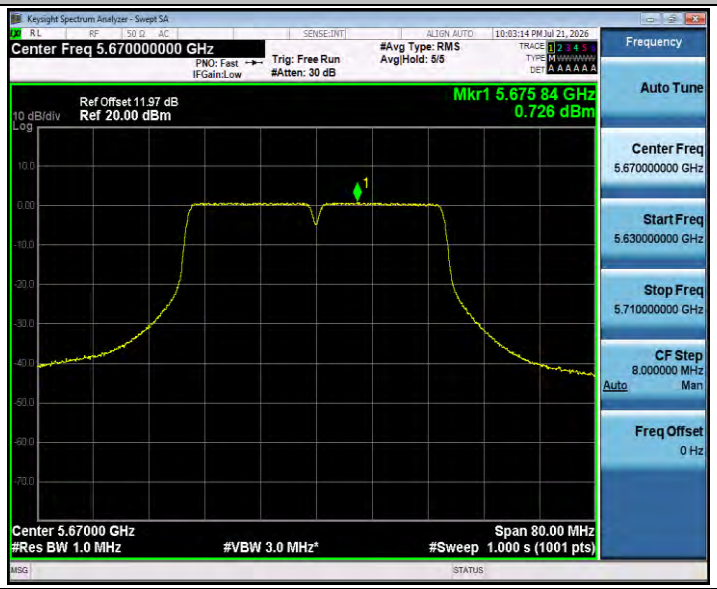
11AC20SISO_Ant1_5500

| 11AC20SISO_Ant1_5580 |
| --- |
| |
| 11AC20SISO_Ant1_5700 |
| |
| 11AC40SISO_Ant1_5510 |

11AC40SISO_Ant1_5590



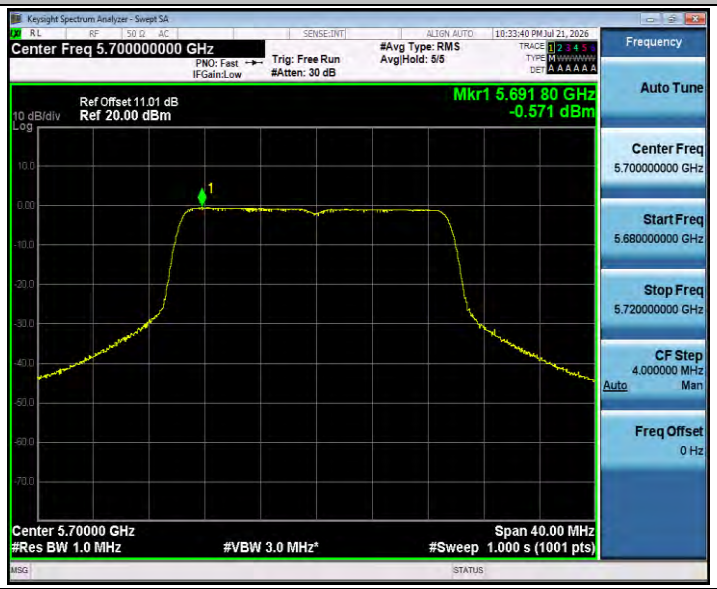

11AC40SISO_Ant1_5670



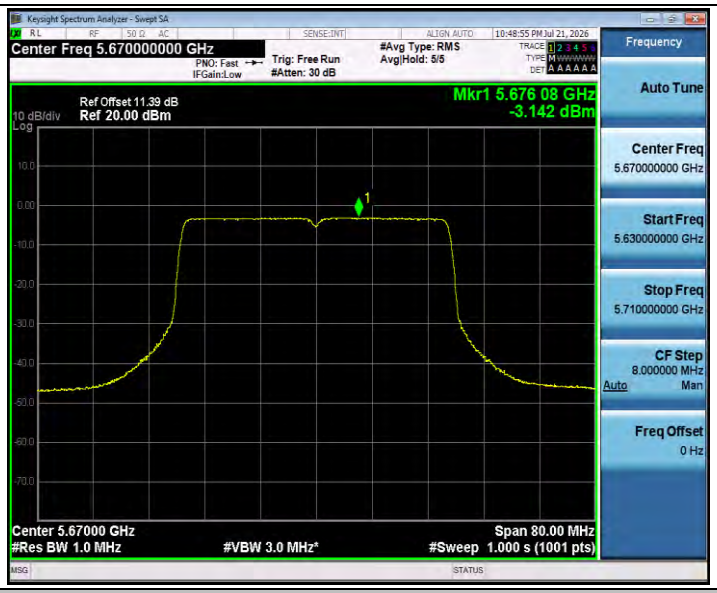
| 11AC80SISO_Ant1_5530 |
| --- |
| |
| 11AC80SISO_Ant1_5610 |
| |
| 11AX20SISO_Ant1_5500 |

11AX20SISO_Ant1_5580

11AX20SISO_Ant1_5700



| 11AX40SISO_Ant1_5510 |
| --- |
| |
| 11AX40SISO_Ant1_5590 |
| |
| 11AX40SISO_Ant1_5670 |




11AX80SISO_Ant1_5530

11AX80SISO_Ant1_5610