

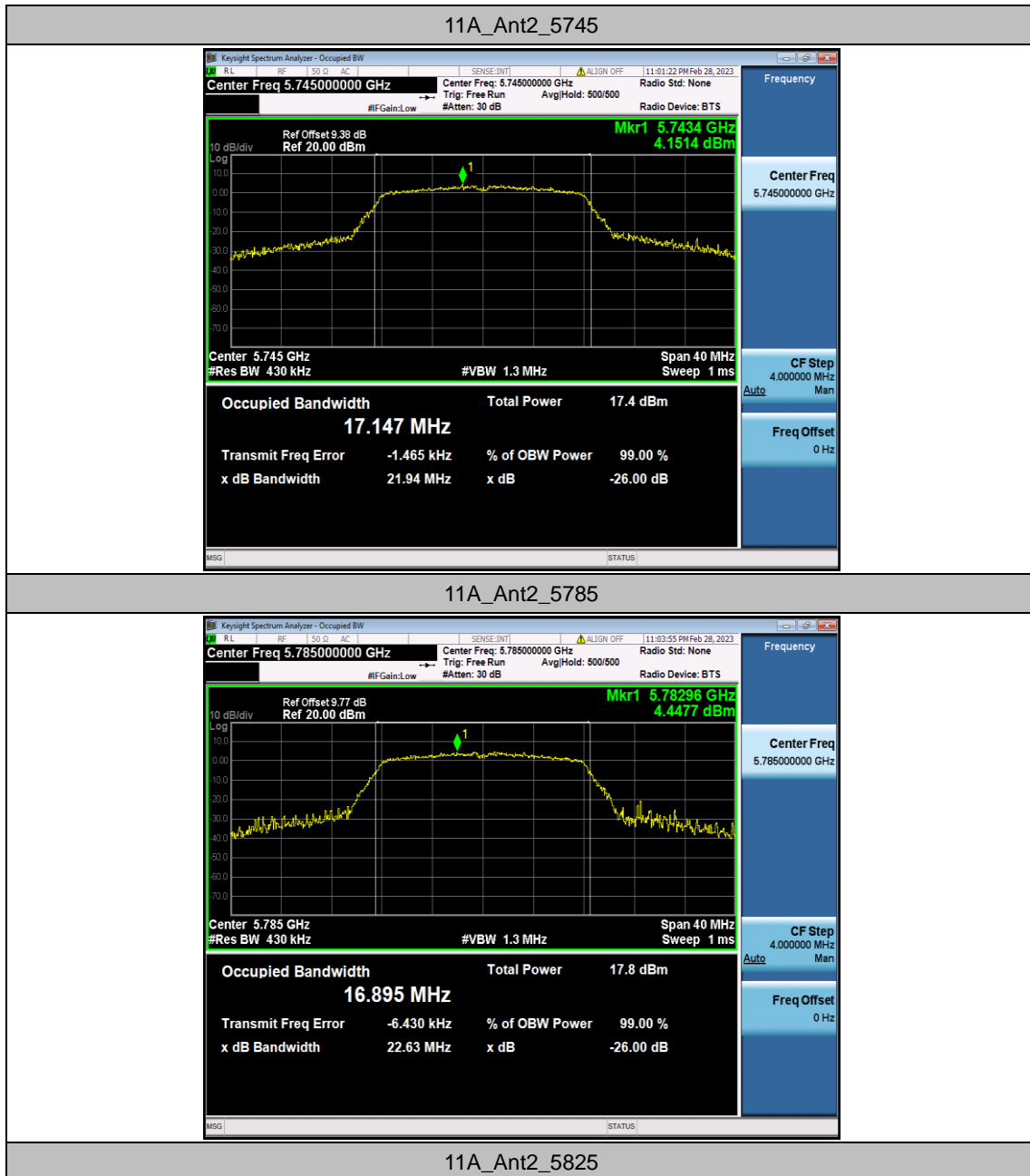
| |
|--|
| Case No. : <u>GTS20230210003-1-6</u> |
| Ambient Condition: <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa, |
| Test Date: <u>2023.2.28</u> Test Engineer: <u>Jenny zeng</u> |

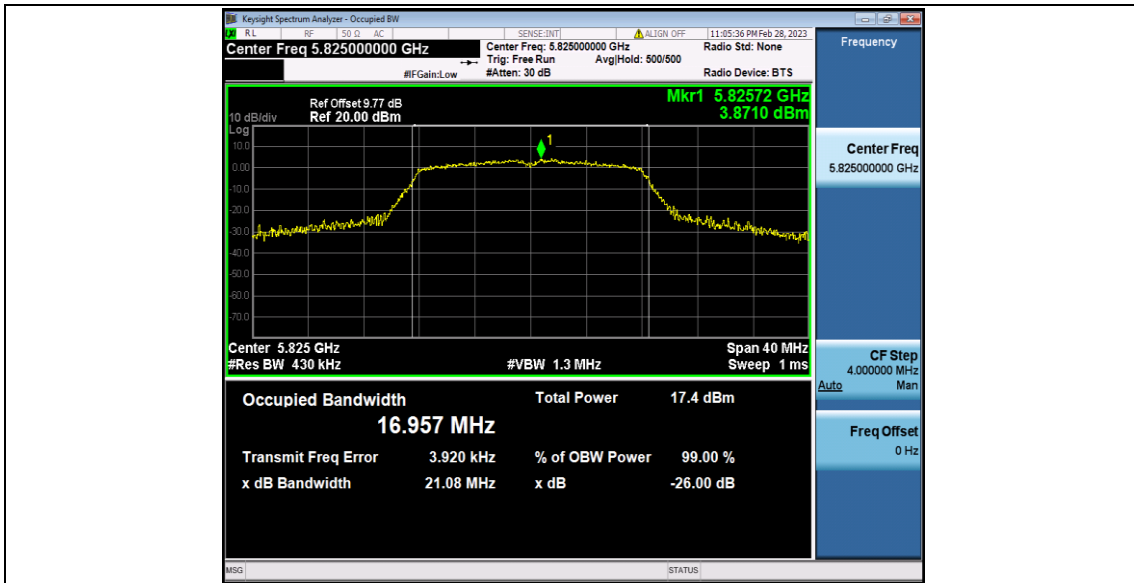
Appendix E.1: Occupied channel bandwidth

Test Result

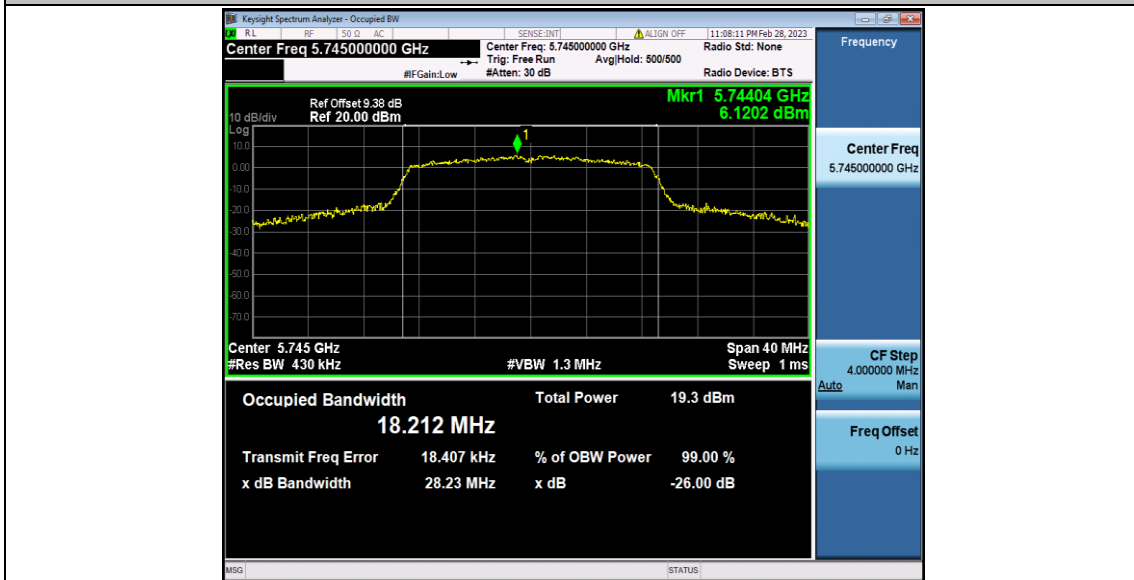
| TestMode | Antenna | Frequency[MHz] | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|----------------|-----------|----------|----------|------------|---------|
| 11A | Ant2 | 5745 | 17.147 | 5736.425 | 5753.572 | --- | --- |
| | | 5785 | 16.895 | 5776.546 | 5793.441 | --- | --- |
| | | 5825 | 16.957 | 5816.525 | 5833.482 | --- | --- |
| 11N20SISO | Ant2 | 5745 | 18.212 | 5735.912 | 5754.124 | --- | --- |
| | | 5785 | 18.102 | 5775.921 | 5794.023 | --- | --- |
| | | 5825 | 18.202 | 5815.880 | 5834.082 | --- | --- |
| 11N40SISO | Ant2 | 5755 | 36.485 | 5736.767 | 5773.252 | --- | --- |
| | | 5795 | 36.457 | 5776.845 | 5813.302 | --- | --- |
| 11AC20SISO | Ant2 | 5745 | 17.913 | 5736.063 | 5753.976 | --- | --- |
| | | 5785 | 17.904 | 5776.035 | 5793.939 | --- | --- |
| | | 5825 | 17.973 | 5816.023 | 5833.996 | --- | --- |
| 11AC40SISO | Ant2 | 5755 | 36.288 | 5736.868 | 5773.156 | --- | --- |
| | | 5795 | 36.398 | 5776.829 | 5813.227 | --- | --- |
| 11AC80SISO | Ant2 | 5775 | 75.261 | 5737.457 | 5812.718 | --- | --- |

Test Graphs





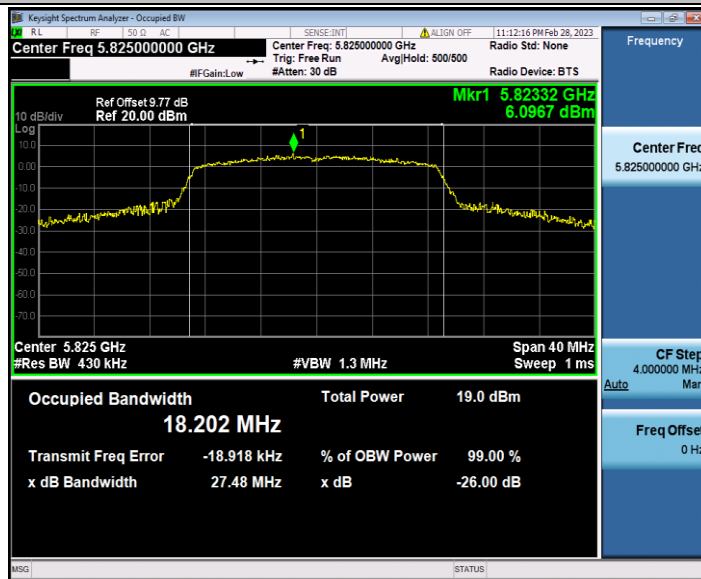
11N20SISO_Ant2_5745



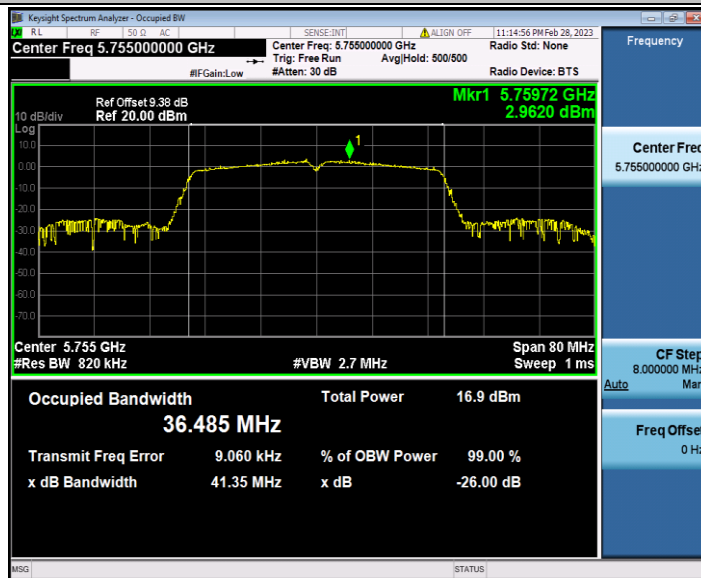
11N20SISO_Ant2_5785



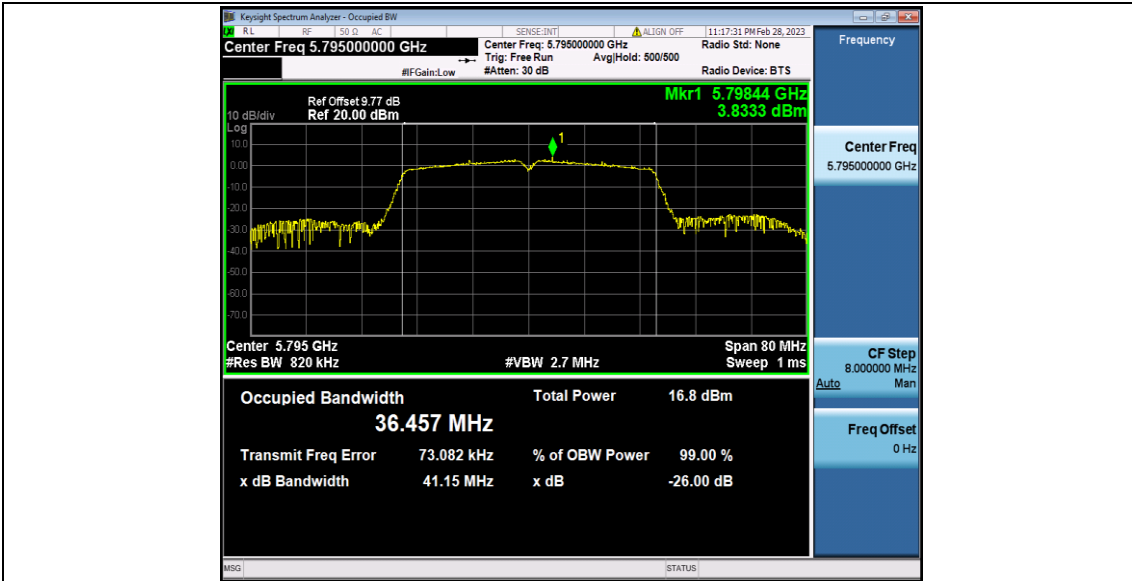
11N20SISO_Ant2_5825



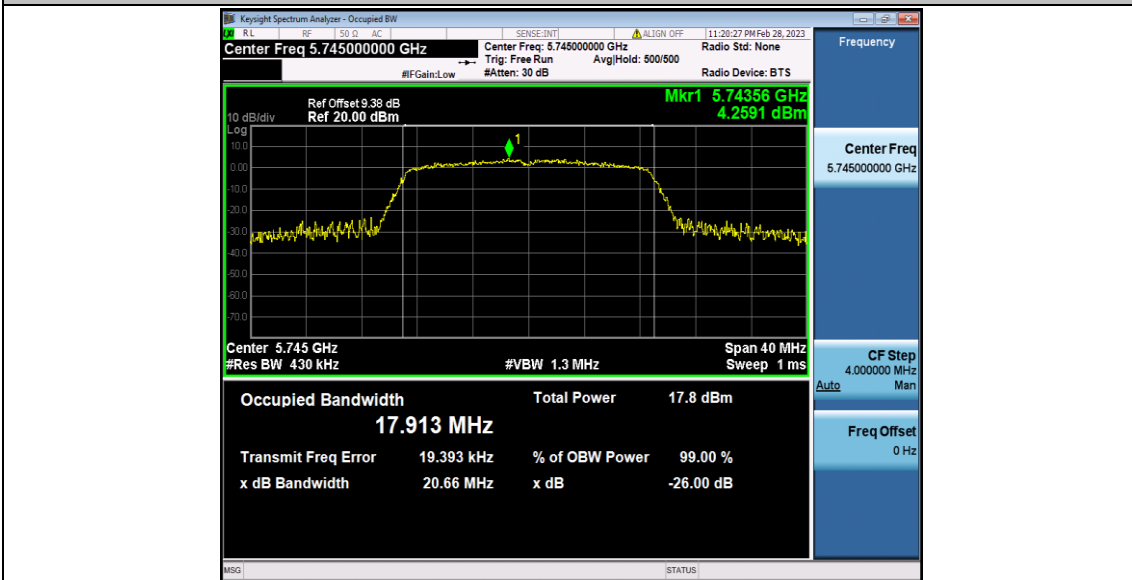
11N40SISO_Ant2_5755



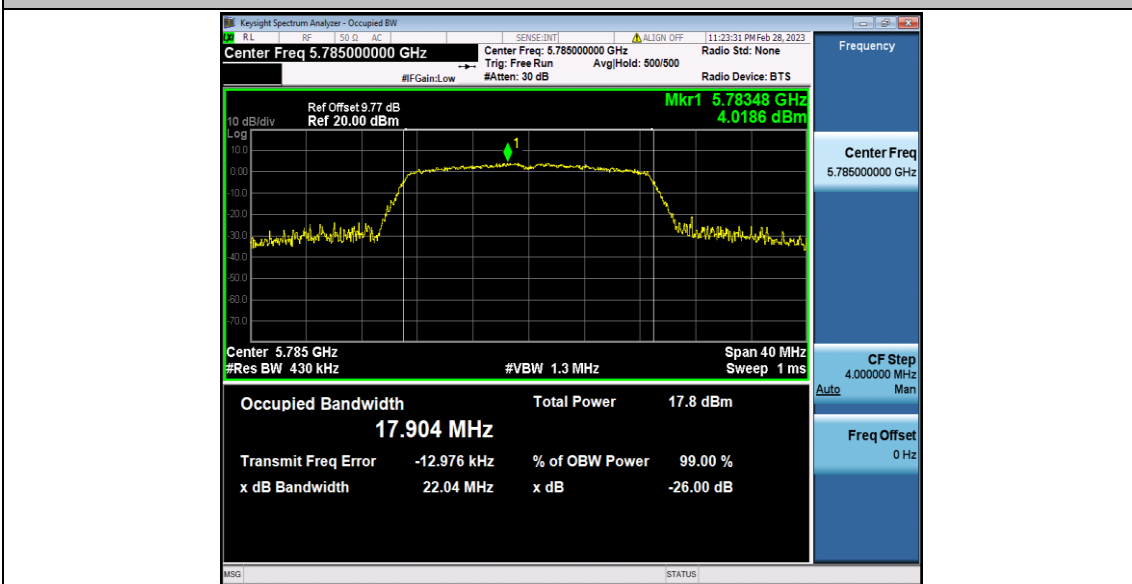
11N40SISO_Ant2_5795



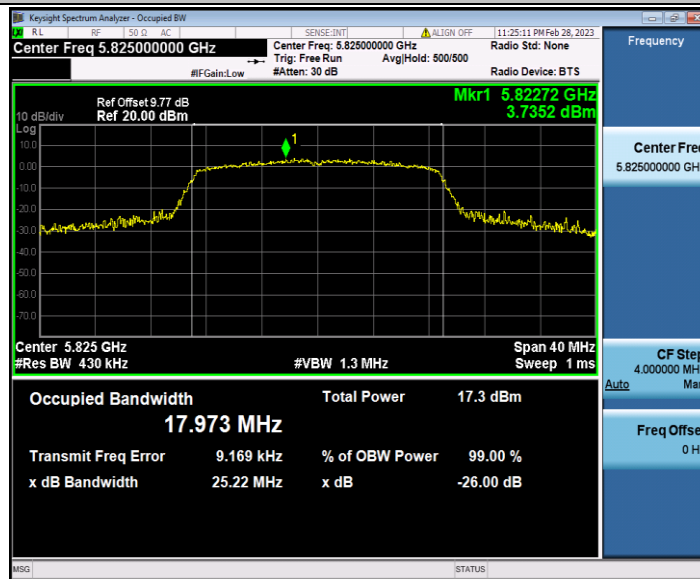
11AC20SISO_Ant2_5745



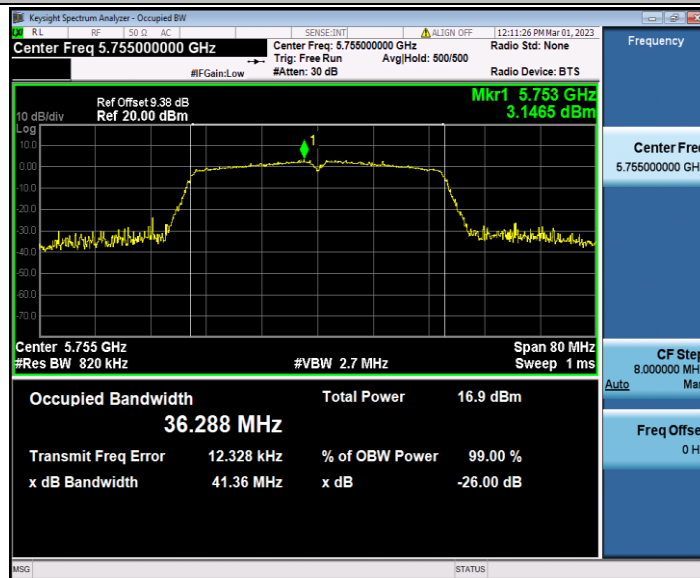
11AC20SISO_Ant2_5785



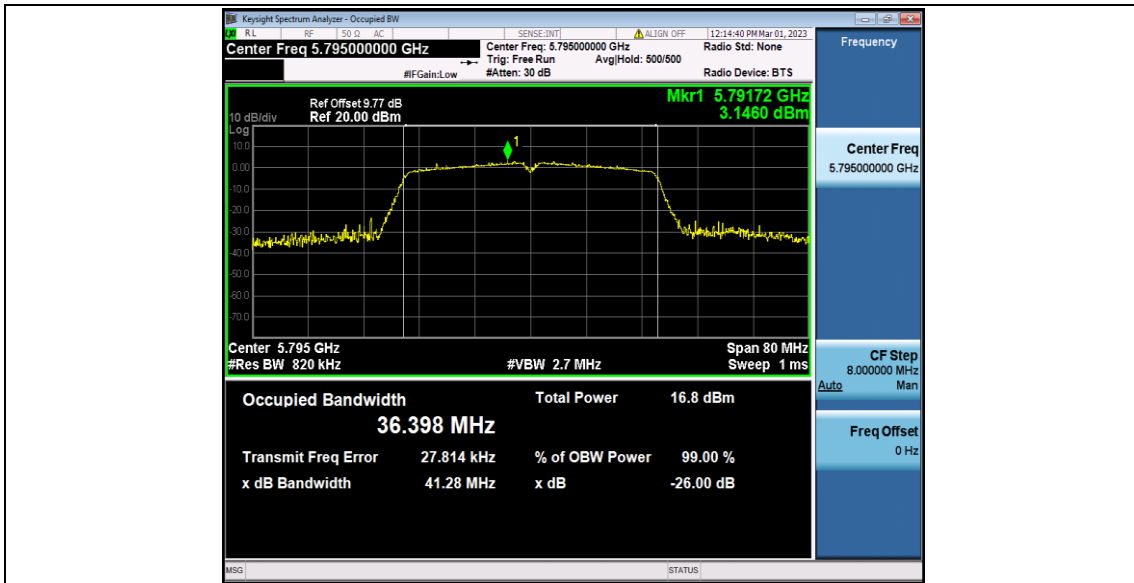
11AC20SISO_Ant2_5825



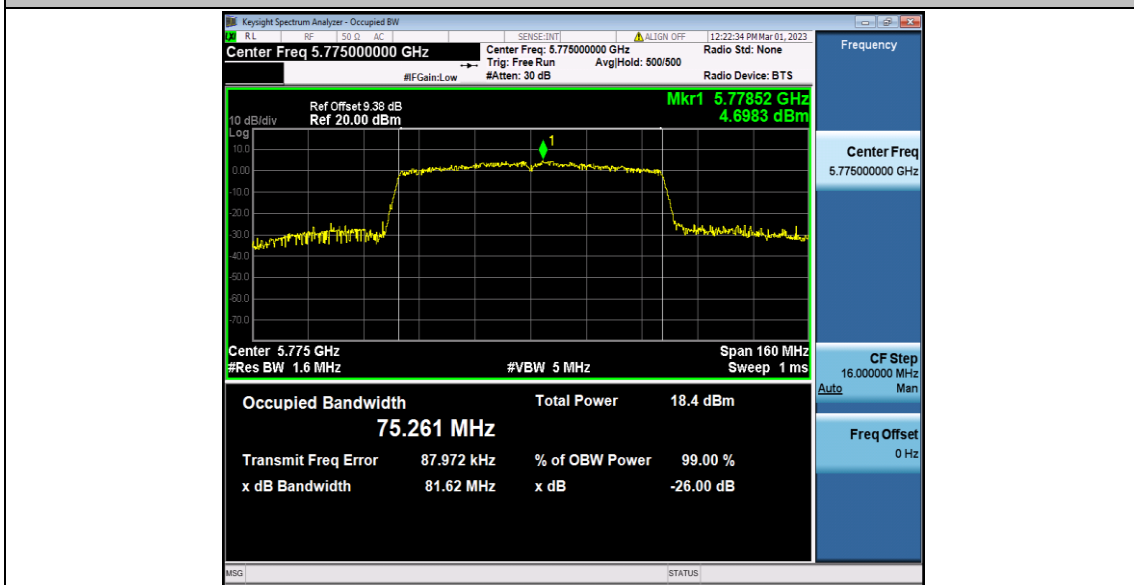
11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775

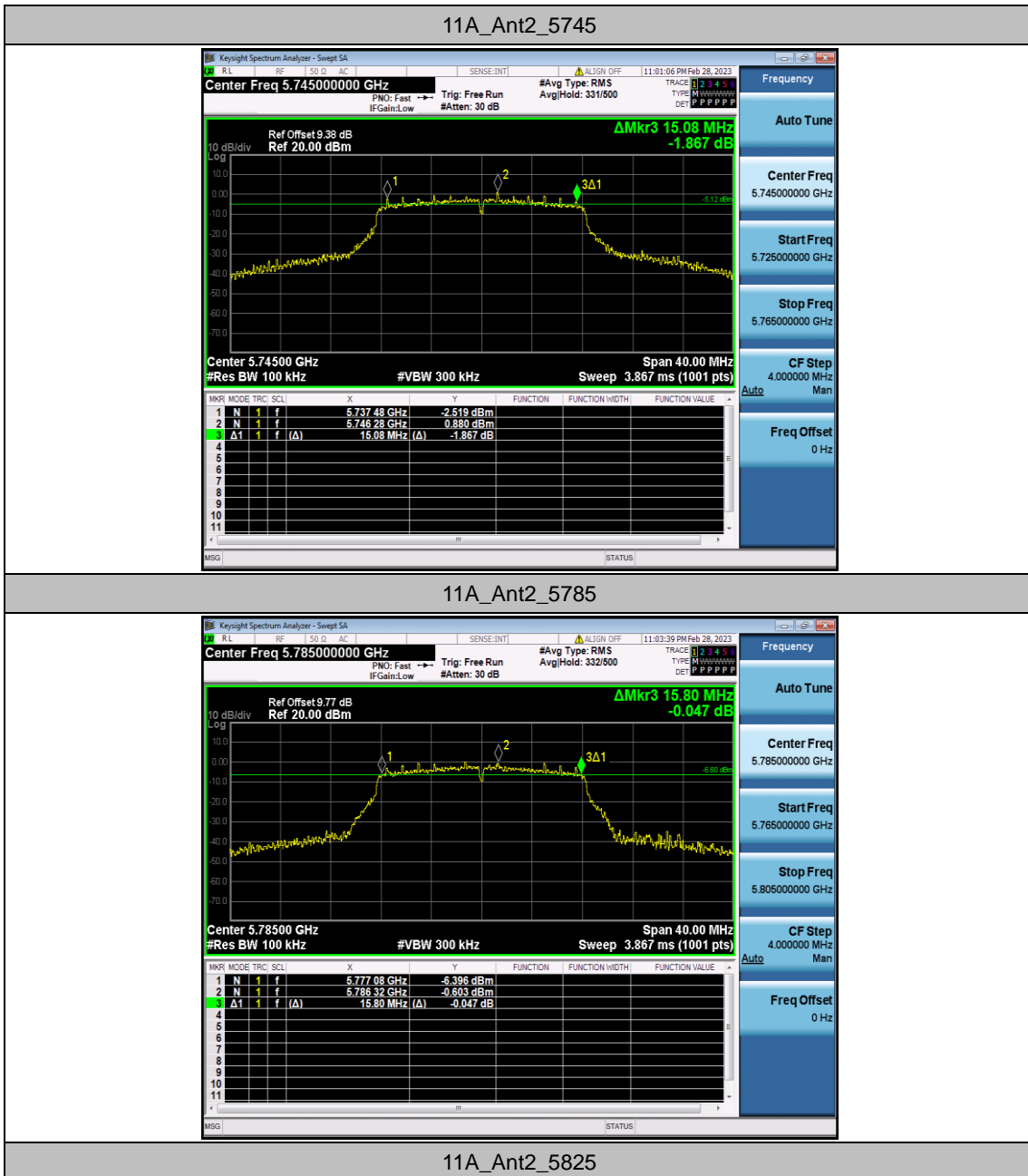


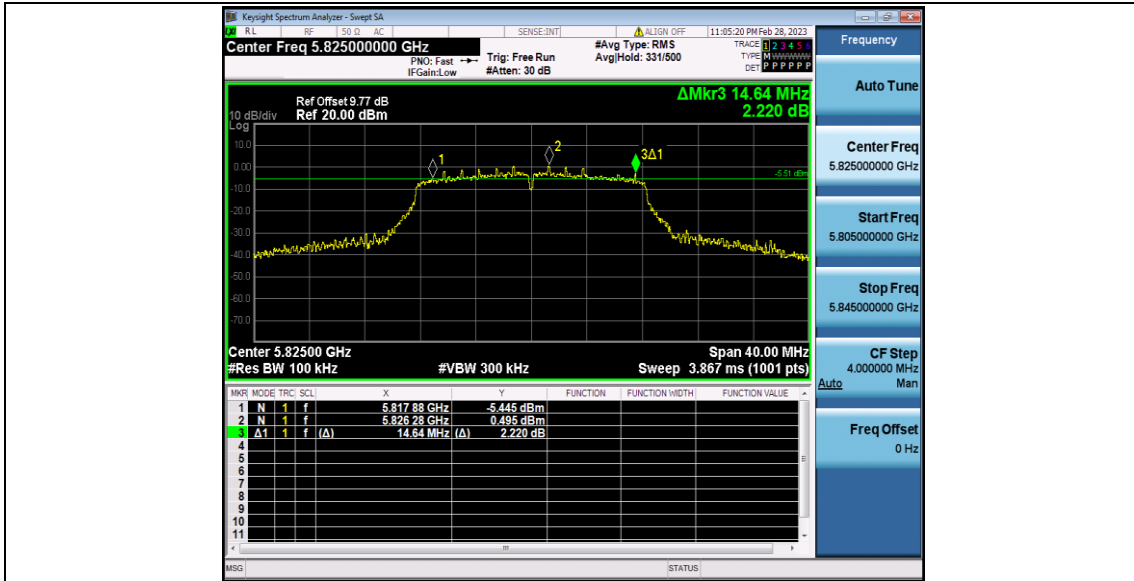
Appendix E.2: Min emission bandwidth

Test Result B4

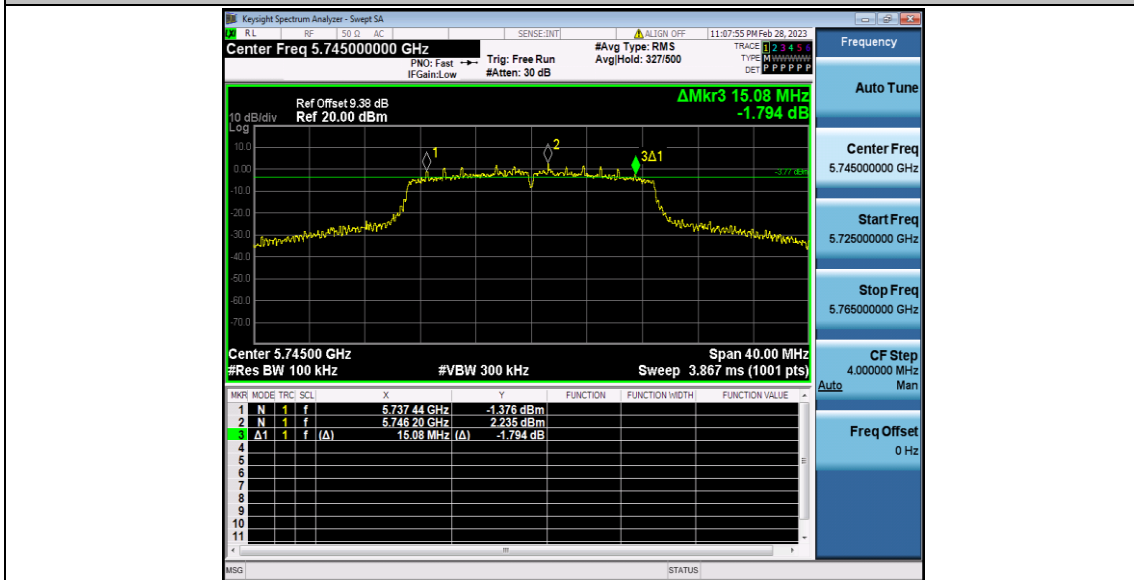
| TestMode | Antenna | Frequency[MHz] | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|----------------|---------------|----------|----------|------------|---------|
| 11A | Ant2 | 5745 | 15.080 | 5737.480 | 5752.560 | 0.5 | PASS |
| | | 5785 | 15.800 | 5777.080 | 5792.880 | 0.5 | PASS |
| | | 5825 | 14.640 | 5817.880 | 5832.520 | 0.5 | PASS |
| 11N20SISO | Ant2 | 5745 | 15.080 | 5737.440 | 5752.520 | 0.5 | PASS |
| | | 5785 | 15.120 | 5777.440 | 5792.560 | 0.5 | PASS |
| | | 5825 | 15.080 | 5817.440 | 5832.520 | 0.5 | PASS |
| 11N40SISO | Ant2 | 5755 | 35.120 | 5737.400 | 5772.520 | 0.5 | PASS |
| | | 5795 | 35.120 | 5777.400 | 5812.520 | 0.5 | PASS |
| 11AC20SISO | Ant2 | 5745 | 15.120 | 5737.440 | 5752.560 | 0.5 | PASS |
| | | 5785 | 15.040 | 5777.440 | 5792.480 | 0.5 | PASS |
| | | 5825 | 15.120 | 5817.440 | 5832.560 | 0.5 | PASS |
| 11AC40SISO | Ant2 | 5755 | 35.040 | 5737.480 | 5772.520 | 0.5 | PASS |
| | | 5795 | 35.040 | 5777.480 | 5812.520 | 0.5 | PASS |
| 11AC80SISO | Ant2 | 5775 | 75.200 | 5737.400 | 5812.600 | 0.5 | PASS |

Test Graphs B4

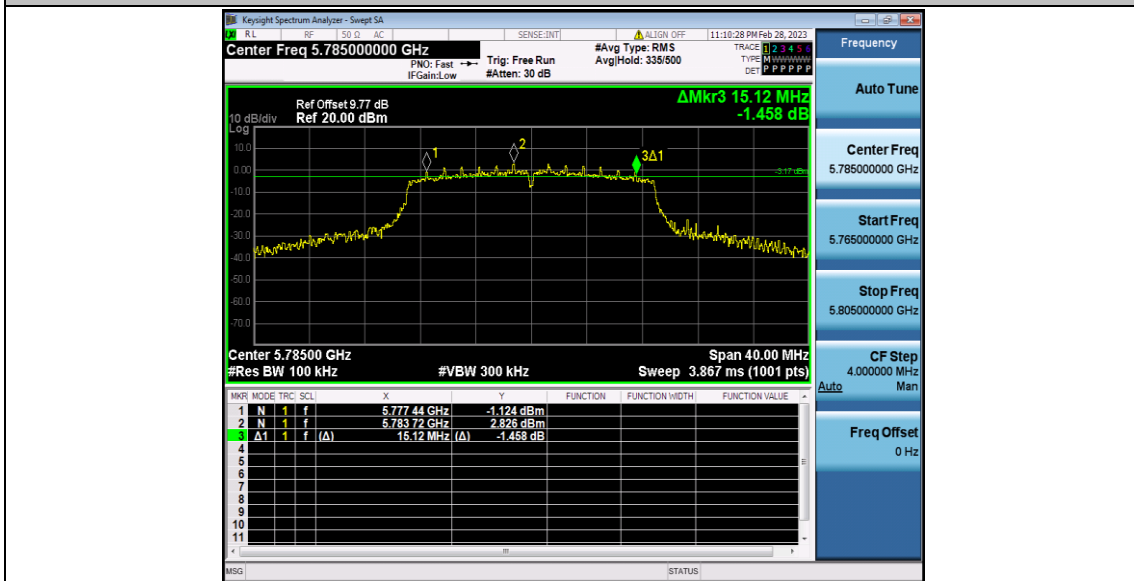




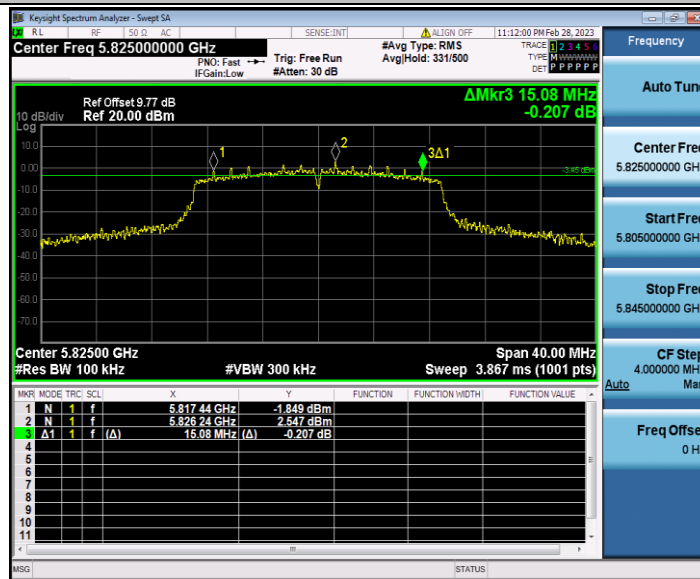
11N20SISO_Ant2_5745



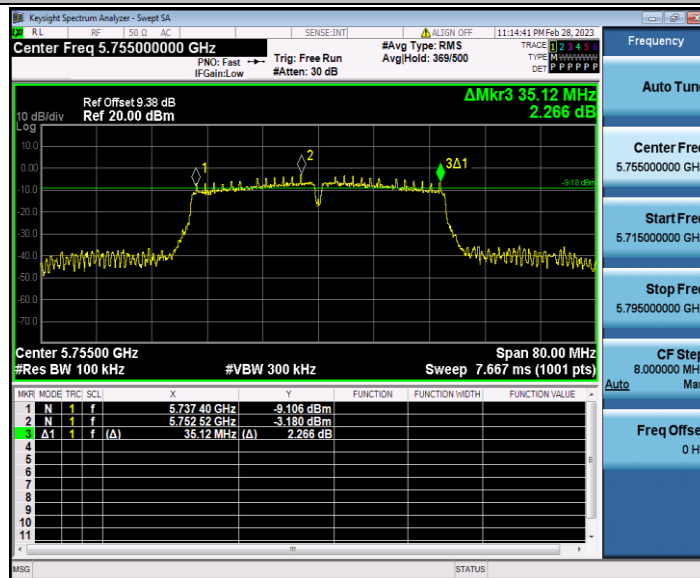
11N20SISO_Ant2_5785



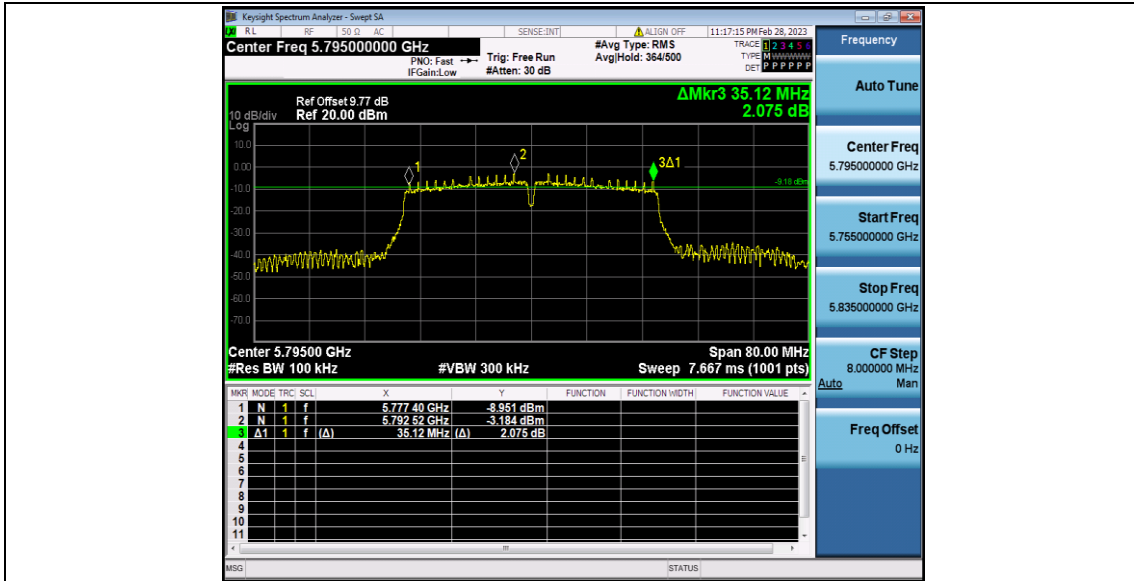
11N20SISO_Ant2_5825



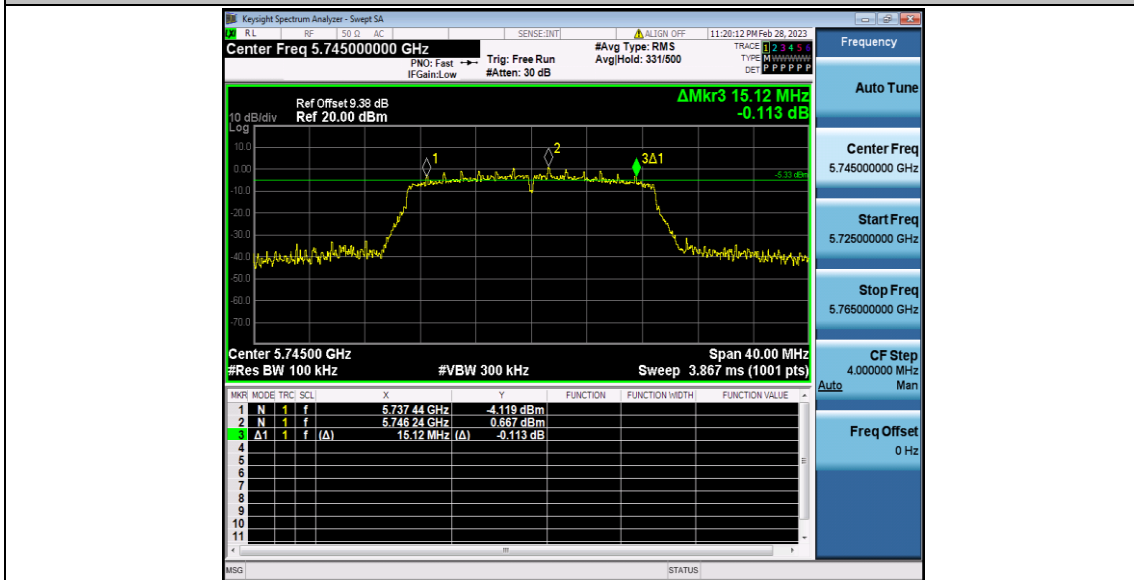
11N40SISO_Ant2_5755



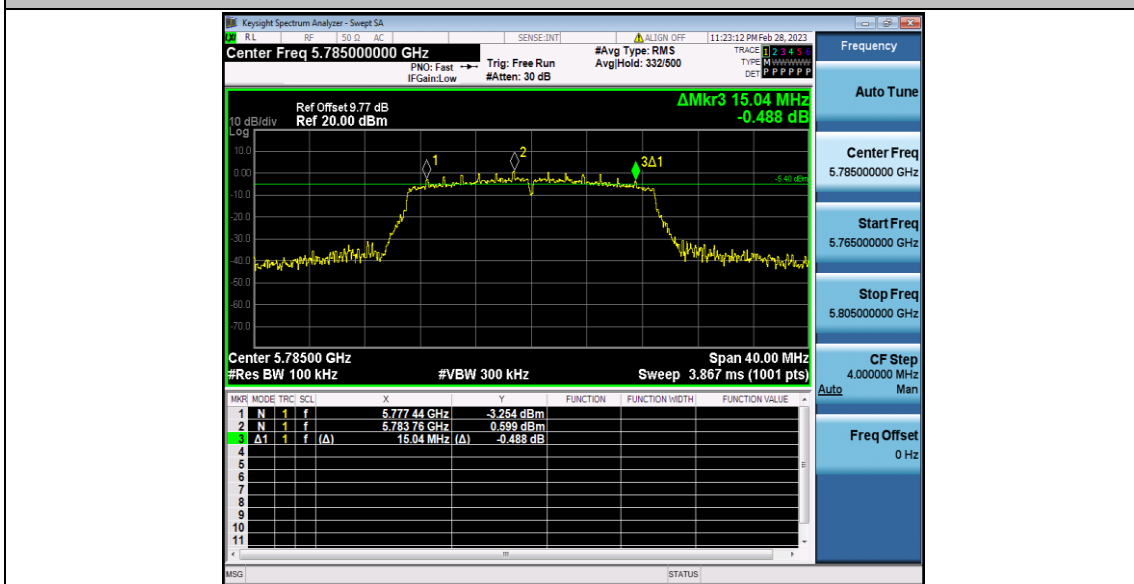
11N40SISO_Ant2_5795



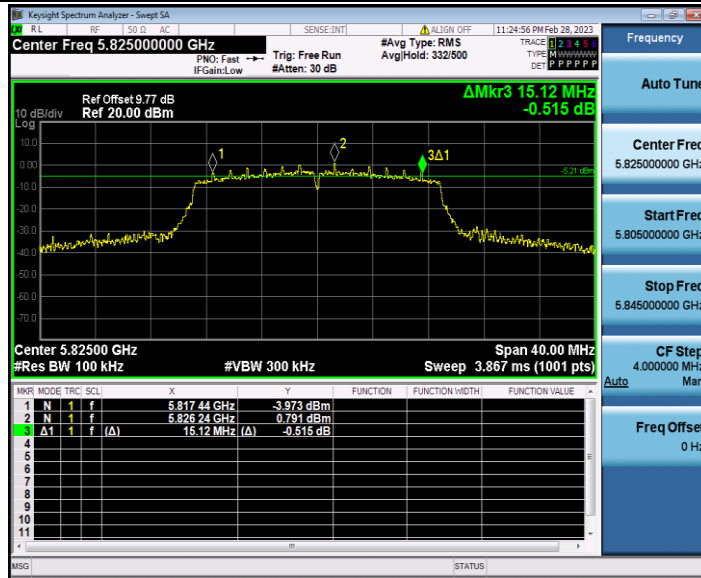
11AC20SISO_Ant2_5745



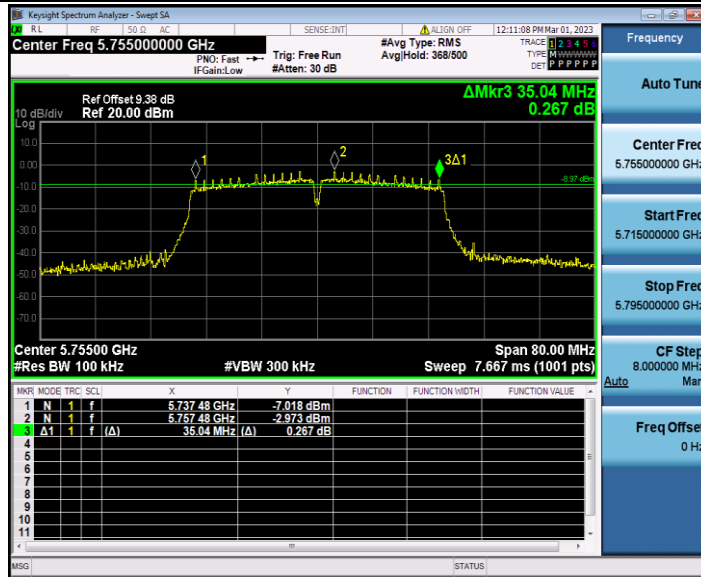
11AC20SISO_Ant2_5785



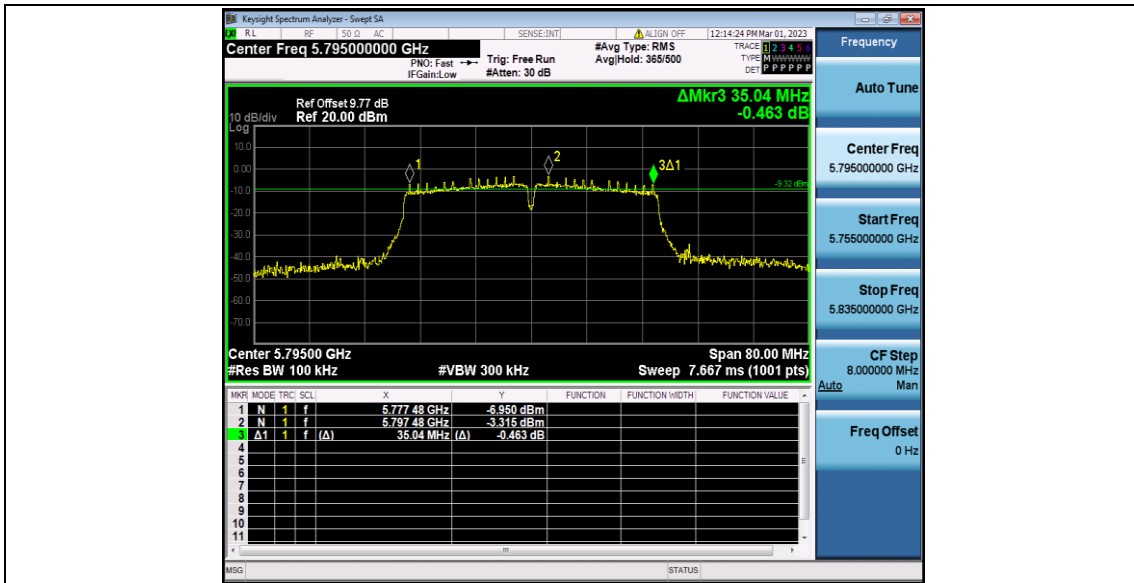
11AC20SISO_Ant2_5825



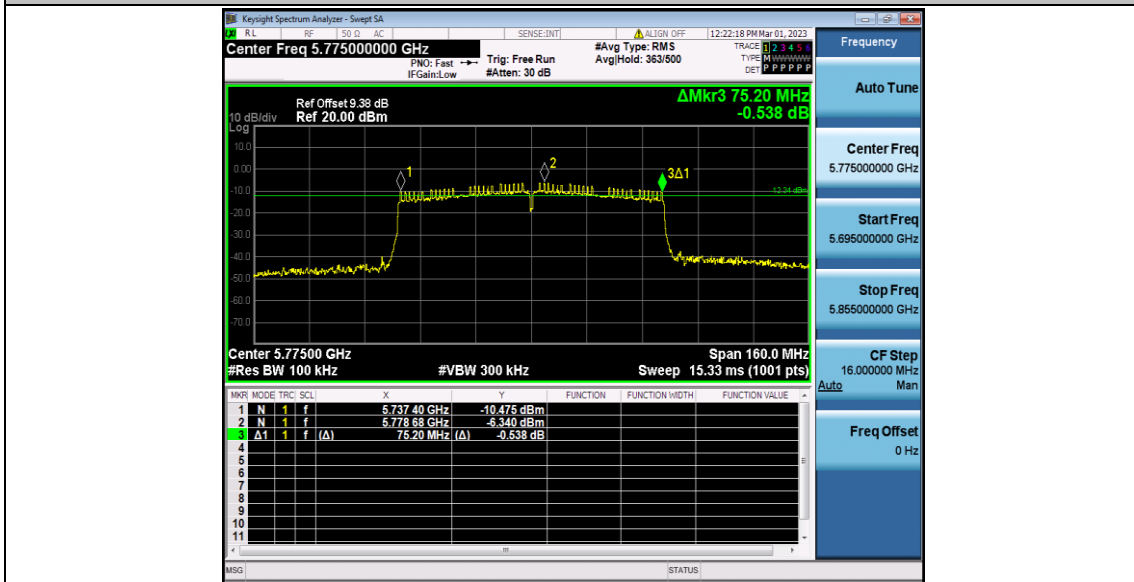
11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775

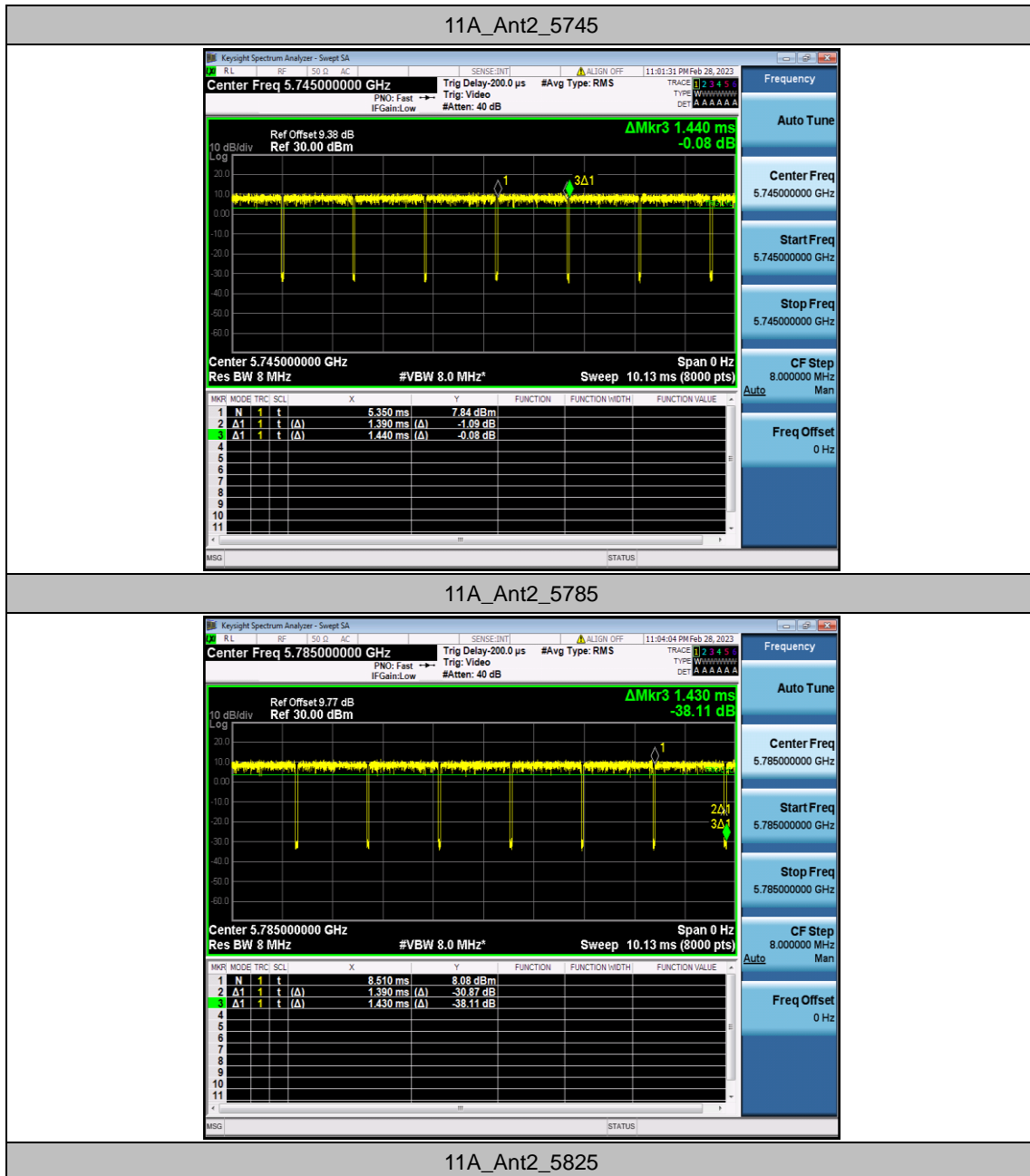


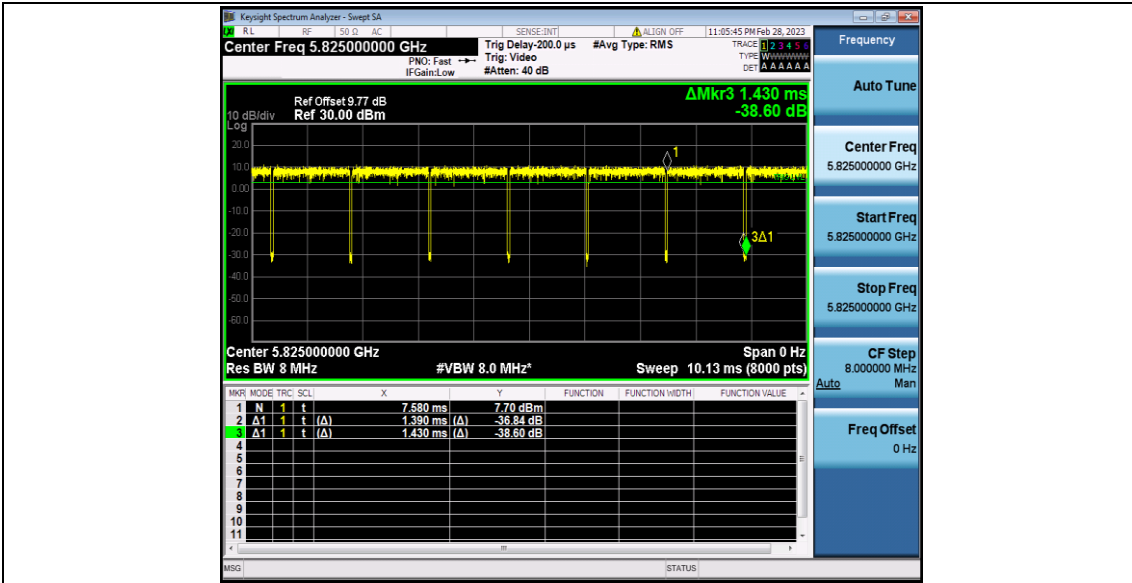
Appendix E.3: Duty Cycle

Test Result

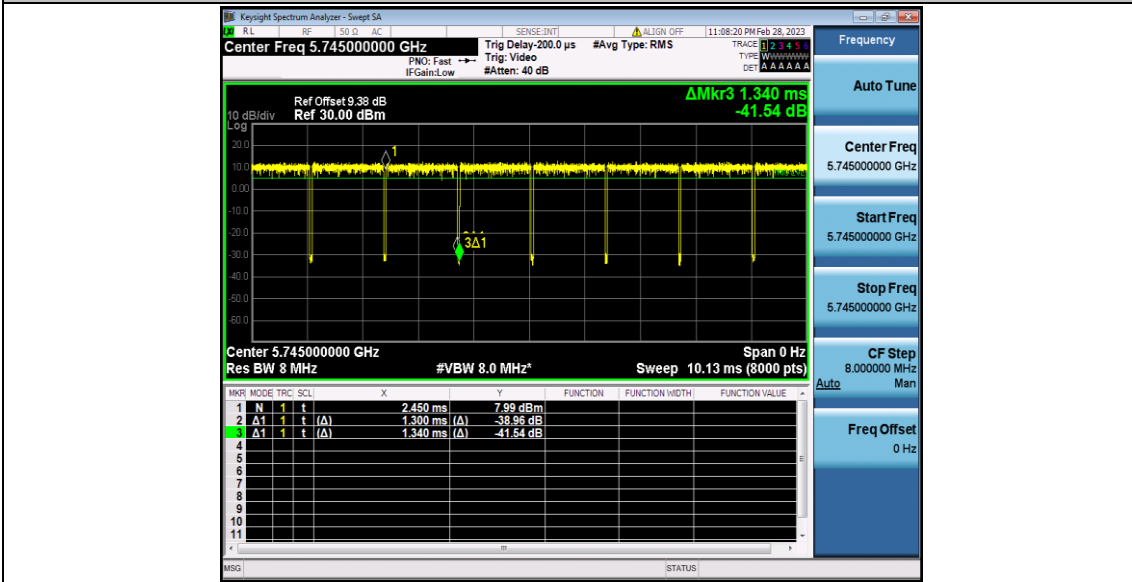
| TestMode | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | DC Factor [dBm] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|-----------------|
| 11A | Ant2 | 5745 | 1.39 | 1.44 | 96.53 | 0.15 |
| | | 5785 | 1.39 | 1.43 | 97.20 | 0.12 |
| | | 5825 | 1.39 | 1.43 | 97.20 | 0.12 |
| 11N20SISO | Ant2 | 5745 | 1.30 | 1.34 | 97.01 | 0.13 |
| | | 5785 | 1.30 | 1.35 | 96.30 | 0.16 |
| | | 5825 | 1.30 | 1.35 | 96.30 | 0.16 |
| 11N40SISO | Ant2 | 5755 | 0.65 | 0.70 | 92.86 | 0.32 |
| | | 5795 | 0.65 | 0.70 | 92.86 | 0.32 |
| 11AC20SISO | Ant2 | 5745 | 1.31 | 1.36 | 96.32 | 0.16 |
| | | 5785 | 1.31 | 1.36 | 96.32 | 0.16 |
| | | 5825 | 1.32 | 1.36 | 97.06 | 0.13 |
| 11AC40SISO | Ant2 | 5755 | 0.65 | 0.70 | 92.86 | 0.32 |
| | | 5795 | 0.65 | 0.69 | 94.20 | 0.26 |
| 11AC80SISO | Ant2 | 5775 | 0.32 | 0.37 | 86.49 | 0.63 |

Test Graphs

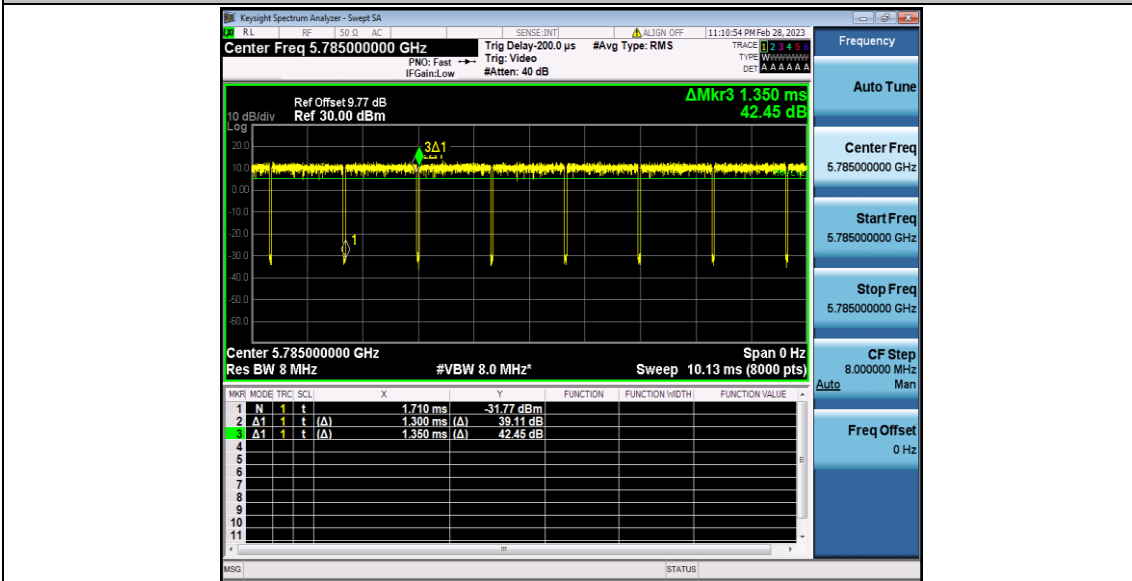




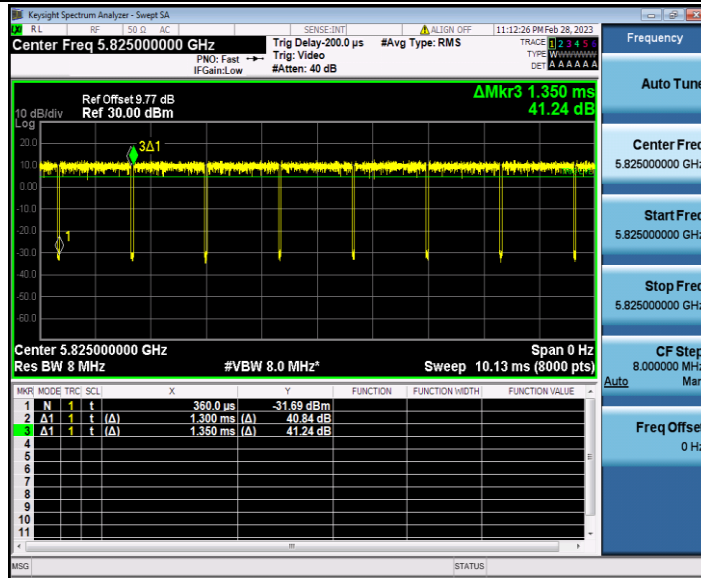
11N20SISO_Ant2_5745



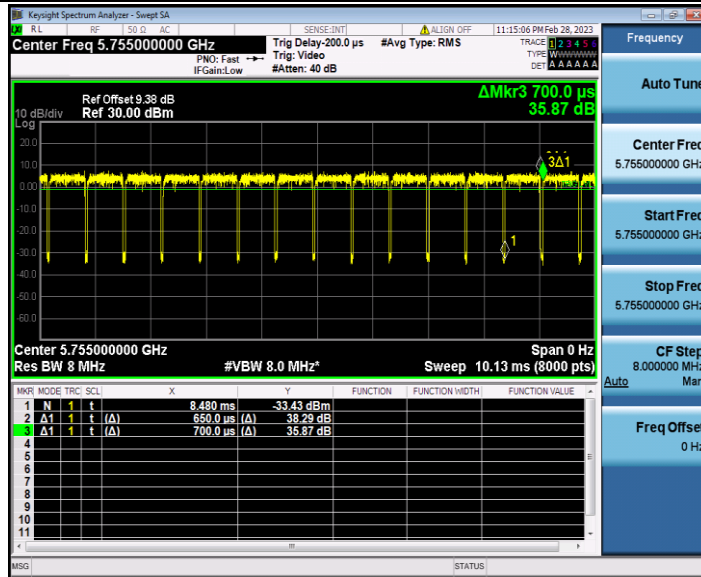
11N20SISO_Ant2_5785



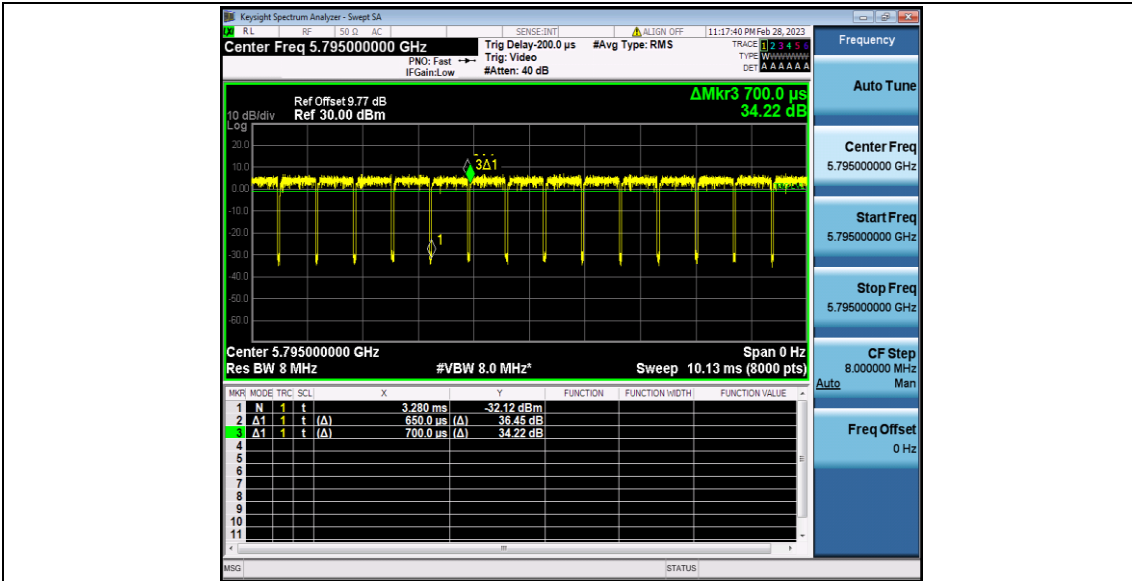
11N20SISO_Ant2_5825



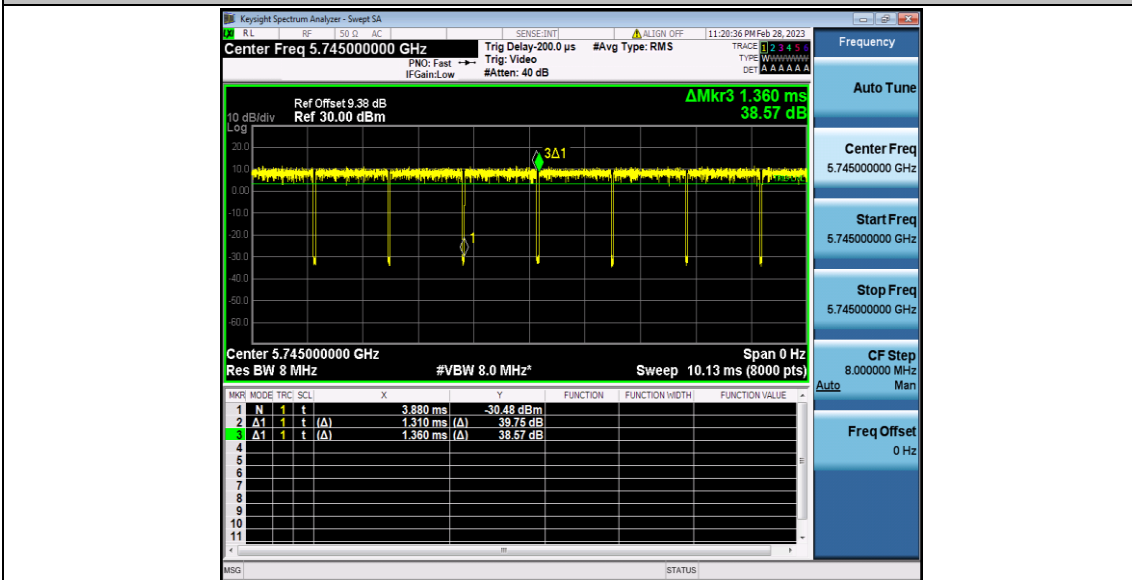
11N40SISO_Ant2_5755



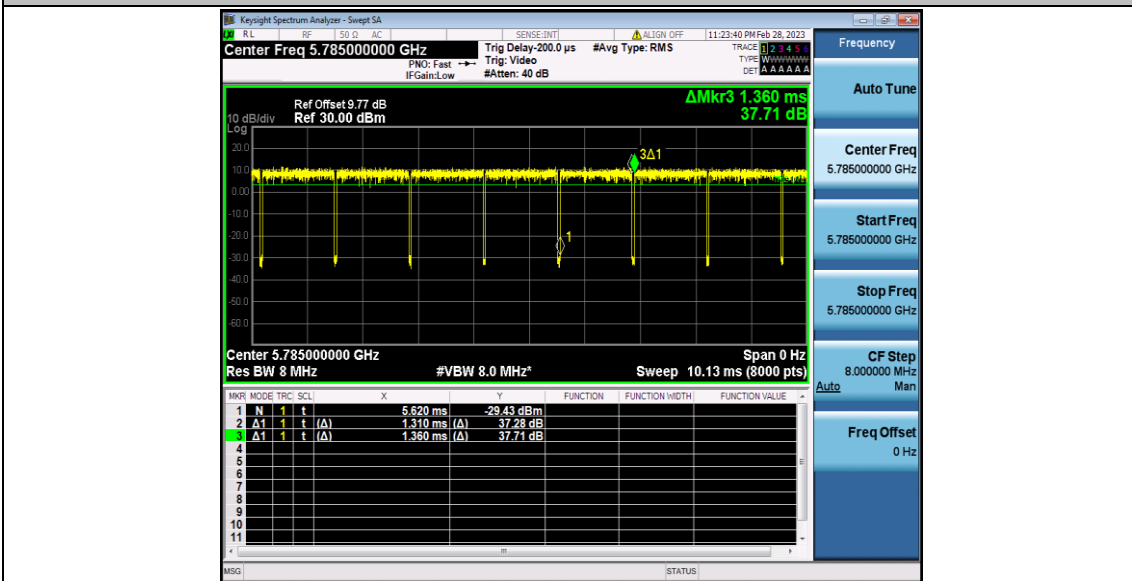
11N40SISO_Ant2_5795



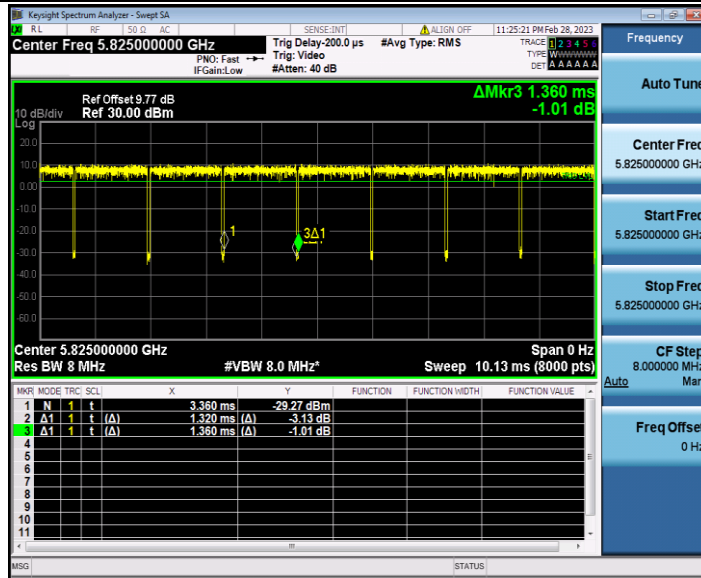
11AC20SISO_Ant2_5745



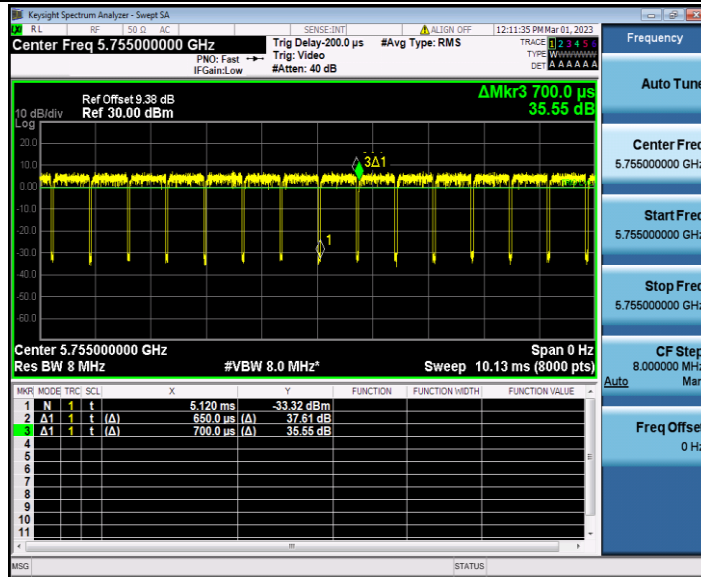
11AC20SISO_Ant2_5785



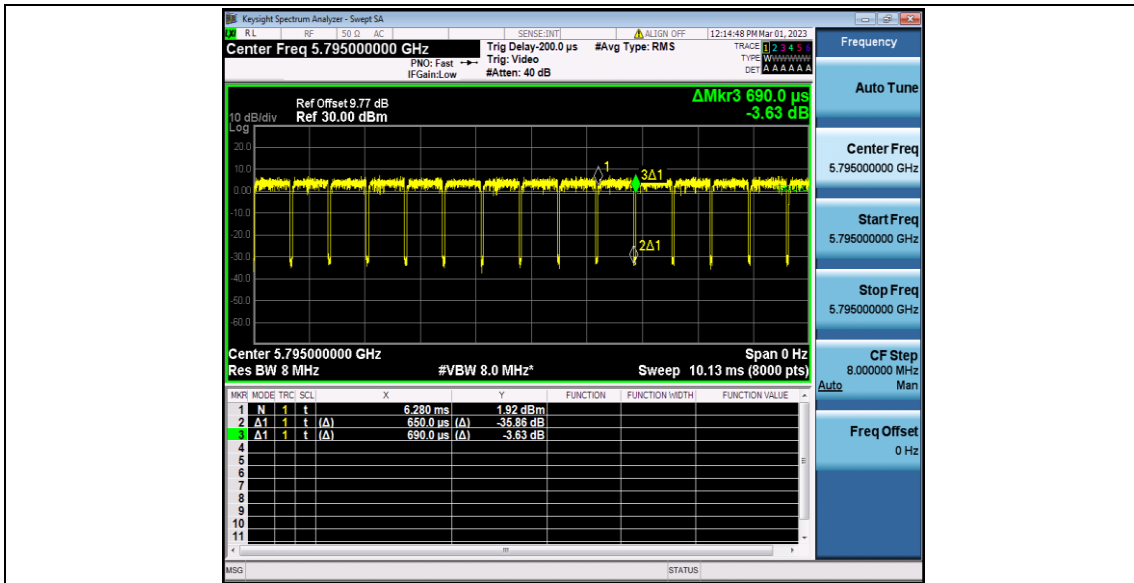
11AC20SISO_Ant2_5825



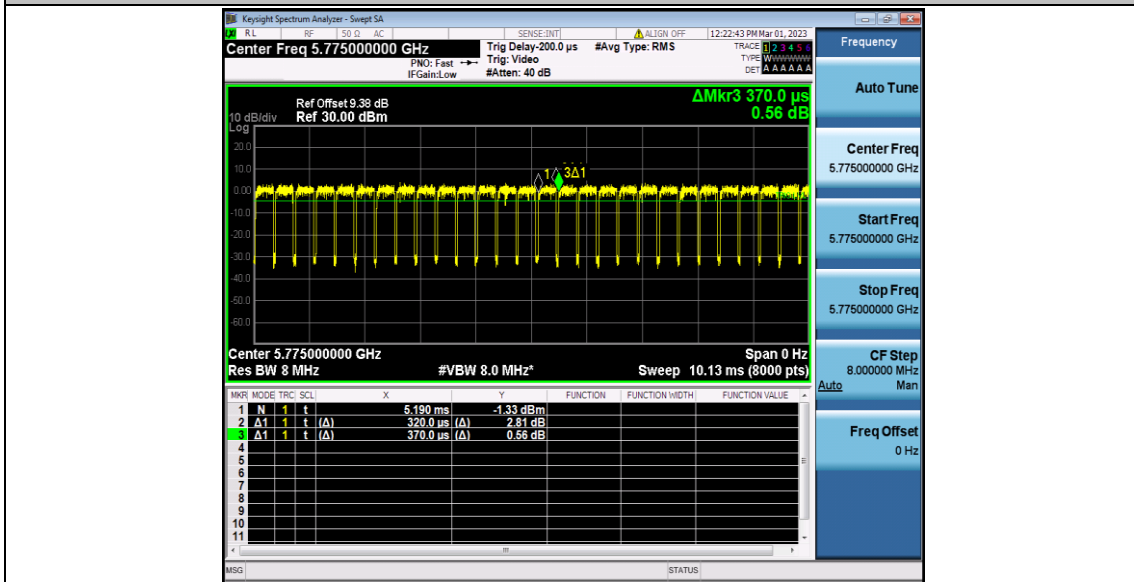
11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775



Appendix E.4: Maximum conducted output power

Test Result Channel Power

| Test Mode | Antenna | Frequency[MHz] | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|----------------|---------|----------------|---------------------|----------------|-----------------|--------------|-------------|---------|
| 11A | Ant2 | 5745 | 10.54 | 96.53 | 0.15 | 10.69 | ≤30.00 | PASS |
| | | 5785 | 10.96 | 97.20 | 0.12 | 11.08 | ≤30.00 | PASS |
| | | 5825 | 10.52 | 97.20 | 0.12 | 10.64 | ≤30.00 | PASS |
| 11N20SISO | Ant2 | 5745 | 12.49 | 97.01 | 0.13 | 12.62 | ≤30.00 | PASS |
| | | 5785 | 12.87 | 96.30 | 0.16 | 13.03 | ≤30.00 | PASS |
| | | 5825 | 12.16 | 96.30 | 0.16 | 12.32 | ≤30.00 | PASS |
| 11N40SISO | Ant2 | 5755 | 9.29 | 92.86 | 0.32 | 9.61 | ≤30.00 | PASS |
| | | 5795 | 9.23 | 92.86 | 0.32 | 9.55 | ≤30.00 | PASS |
| 11AC20SIS O | Ant2 | 5745 | 10.81 | 96.32 | 0.16 | 10.97 | ≤30.00 | PASS |
| | | 5785 | 10.93 | 96.32 | 0.16 | 11.09 | ≤30.00 | PASS |
| | | 5825 | 10.38 | 97.06 | 0.13 | 10.51 | ≤30.00 | PASS |
| 11AC40SIS O | Ant2 | 5755 | 9.46 | 92.86 | 0.32 | 9.78 | ≤30.00 | PASS |
| | | 5795 | 8.75 | 94.20 | 0.26 | 9.01 | ≤30.00 | PASS |
| 11AC80SIS O | Ant2 | 5775 | 8.91 | 86.49 | 0.63 | 9.54 | ≤30.00 | PASS |

Note: The Duty Cycle Factor is compensated in the graph.

Appendix E.5: Maximum power spectral density

Test Result

| TestMode | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|----------------|------------------|----------------|---------|
| 11A | Ant2 | 5745 | -2.61 | ≤30.00 | PASS |
| | | 5785 | -2.22 | ≤30.00 | PASS |
| | | 5825 | -2.5 | ≤30.00 | PASS |
| 11N20SISO | Ant2 | 5745 | -0.87 | ≤30.00 | PASS |
| | | 5785 | -0.49 | ≤30.00 | PASS |
| | | 5825 | -1.15 | ≤30.00 | PASS |
| 11N40SISO | Ant2 | 5755 | -6.68 | ≤30.00 | PASS |
| | | 5795 | -6.81 | ≤30.00 | PASS |
| 11AC20SISO | Ant2 | 5745 | -2.42 | ≤30.00 | PASS |
| | | 5785 | -2.07 | ≤30.00 | PASS |
| | | 5825 | -2.83 | ≤30.00 | PASS |
| 11AC40SISO | Ant2 | 5755 | -6.67 | ≤30.00 | PASS |
| | | 5795 | -7.65 | ≤30.00 | PASS |
| 11AC80SISO | Ant2 | 5775 | -10 | ≤30.00 | PASS |

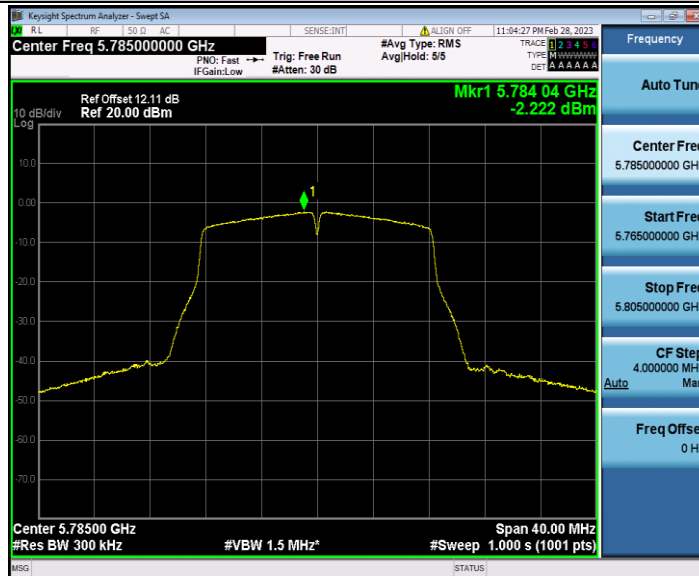
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

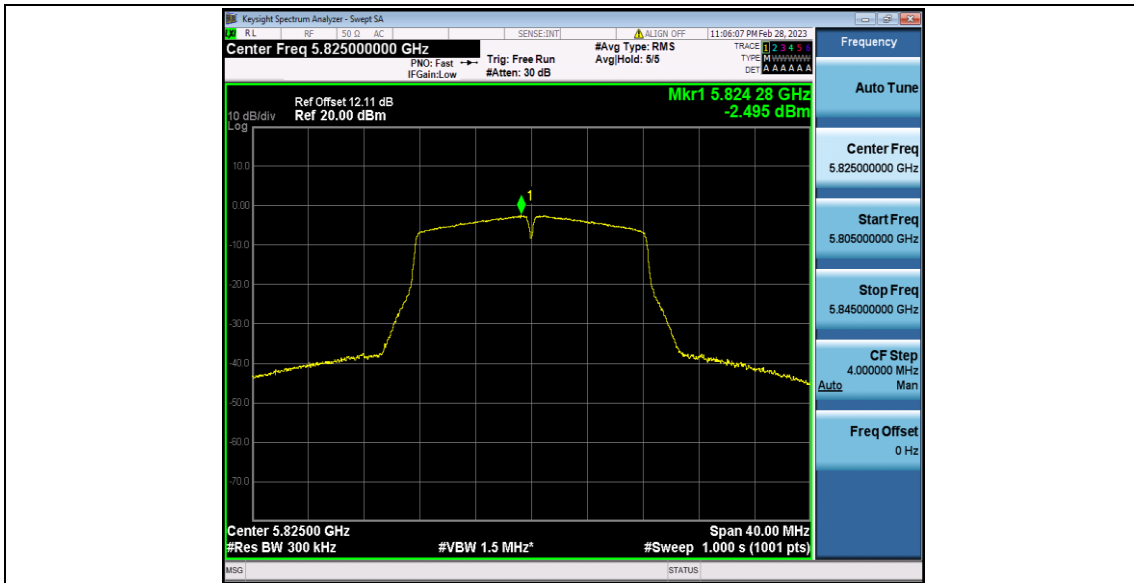
11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



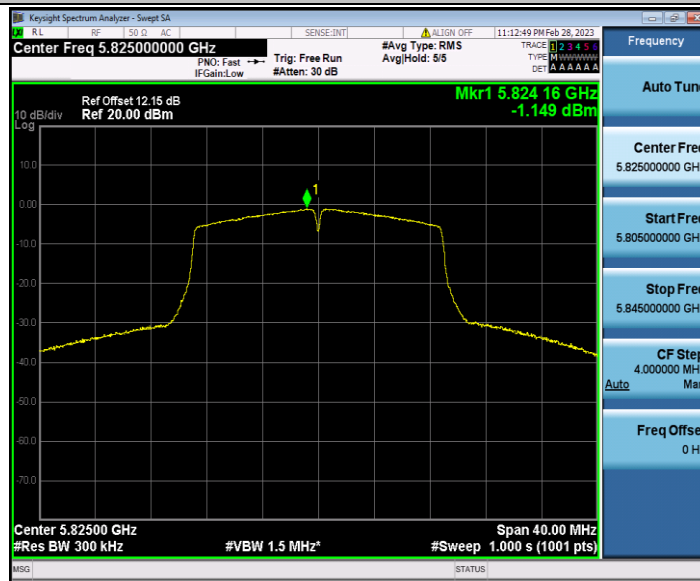
11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785

