

Appendix RF Test Data for 5GWIFI

FCC ID : 2BRV5-GDC269-87

Company : Zhejiang New Lianyu Electronics Co., Ltd.

EUT : Instrument & multimedia dual screen

Model Number : GDC269-87-0052

Report No. : CTA25071600504

Reviewed By : Eric Wang

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	27.760	5168.920	5196.680	---	---
		5220	25.000	5209.680	5234.680	---	---
		5240	27.080	5228.760	5255.840	---	---
		5745	28.480	5733.800	5762.280	---	---
		5785	28.080	5770.960	5799.040	---	---
		5825	31.720	5809.600	5841.320	---	---
11N20SISO	Ant1	5180	25.600	5167.840	5193.440	---	---
		5220	27.040	5207.840	5234.880	---	---
		5240	29.320	5227.480	5256.800	---	---
		5745	27.040	5732.880	5759.920	---	---
		5785	29.840	5771.200	5801.040	---	---
		5825	31.040	5809.480	5840.520	---	---
11N40SISO	Ant1	5190	72.640	5153.520	5226.160	---	---
		5230	72.320	5193.840	5266.160	---	---
		5755	72.560	5718.520	5791.080	---	---
		5795	65.520	5765.560	5831.080	---	---
11AC20SISO	Ant1	5180	27.520	5169.120	5196.640	---	---
		5220	26.960	5207.120	5234.080	---	---
		5240	29.080	5227.200	5256.280	---	---
		5745	29.080	5733.280	5762.360	---	---
		5785	29.320	5771.800	5801.120	---	---
		5825	32.480	5808.720	5841.200	---	---
11AC40SISO	Ant1	5190	65.520	5159.680	5225.200	---	---
		5230	65.680	5199.600	5265.280	---	---
		5755	65.760	5724.600	5790.360	---	---
		5795	68.160	5764.280	5832.440	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



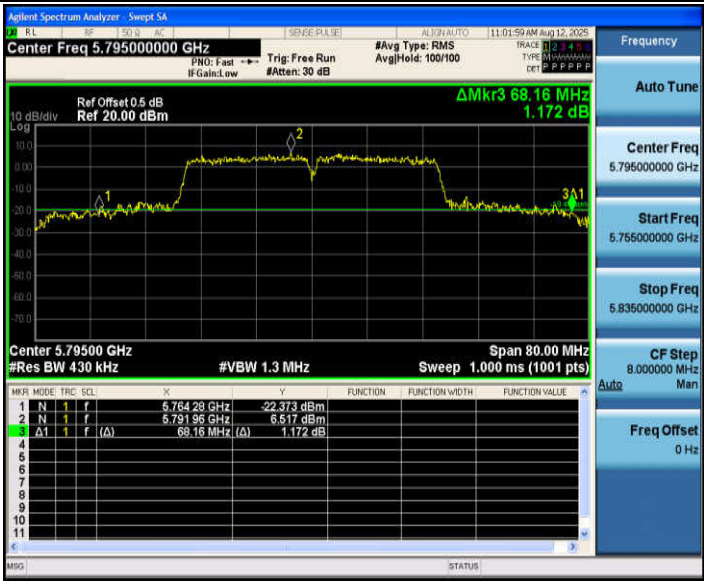
11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.332	5171.3963	5188.7283	---	---
		5220	17.302	5211.3956	5228.6976	---	---
		5240	17.280	5231.4437	5248.7237	---	---
		5745	17.397	5736.3670	5753.7640	---	---
		5785	17.586	5776.3052	5793.8912	---	---
		5825	17.706	5816.1858	5833.8918	---	---
11N20SISO	Ant1	5180	18.205	5170.9677	5189.1727	---	---
		5220	18.256	5210.9575	5229.2135	---	---
		5240	18.239	5230.9806	5249.2196	---	---
		5745	18.311	5735.9099	5754.2209	---	---
		5785	18.423	5775.9147	5794.3377	---	---
		5825	18.628	5815.7422	5834.3702	---	---
11N40SISO	Ant1	5190	36.848	5171.6797	5208.5277	---	---
		5230	36.874	5211.7475	5248.6215	---	---
		5755	37.090	5736.5591	5773.6491	---	---
		5795	37.327	5776.5399	5813.8669	---	---
11AC20SISO	Ant1	5180	18.096	5171.0008	5189.0968	---	---
		5220	18.073	5211.0665	5229.1395	---	---
		5240	18.060	5231.0336	5249.0936	---	---
		5745	18.130	5735.9911	5754.1211	---	---
		5785	18.318	5775.8934	5794.2114	---	---
		5825	18.425	5815.8520	5834.2770	---	---
11AC40SISO	Ant1	5190	36.815	5171.6231	5208.4381	---	---
		5230	36.806	5211.6933	5248.4993	---	---
		5755	36.854	5736.6545	5773.5085	---	---
		5795	37.053	5776.5767	5813.6297	---	---

Test Graphs

11A_Ant1_5180



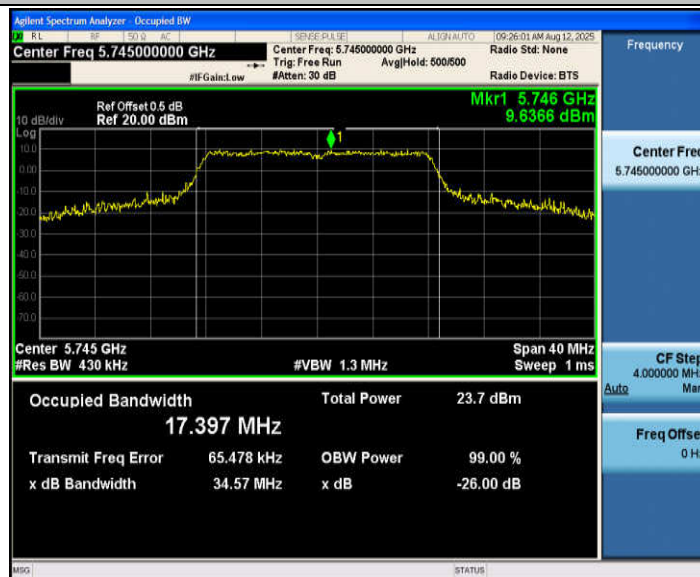
11A_Ant1_5220



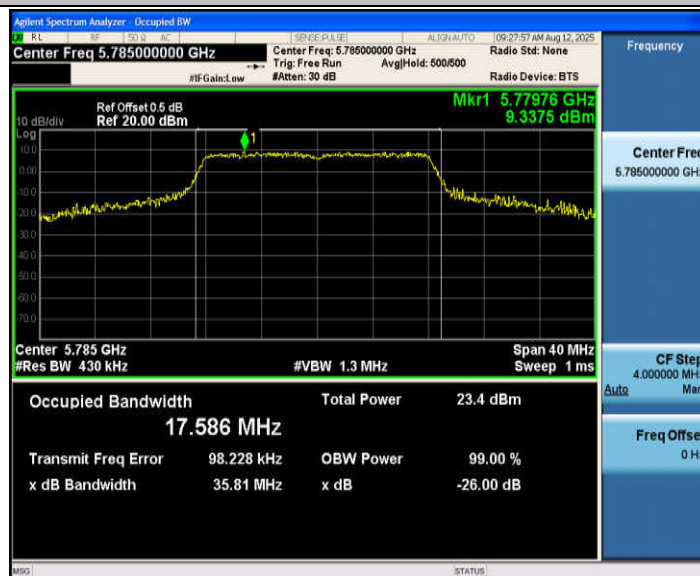
11A_Ant1_5240



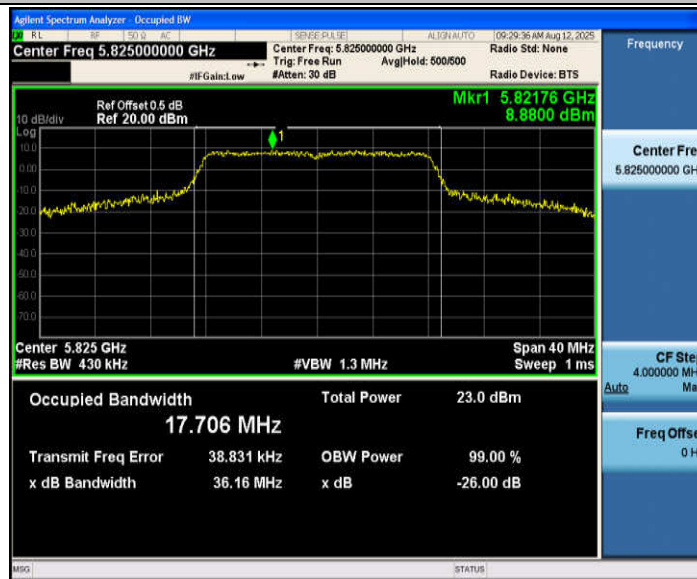
11A_Ant1_5745



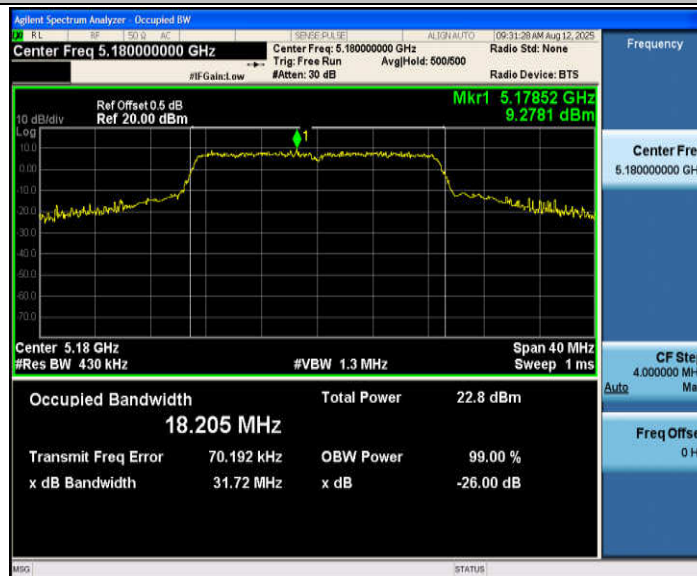
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



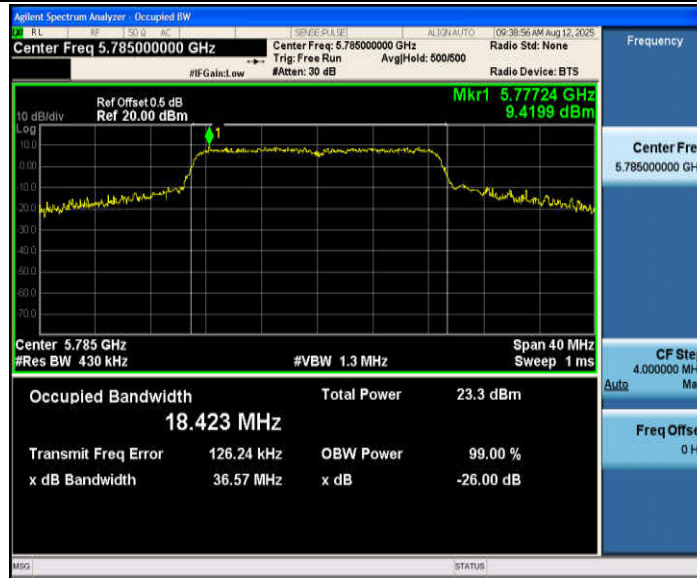
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



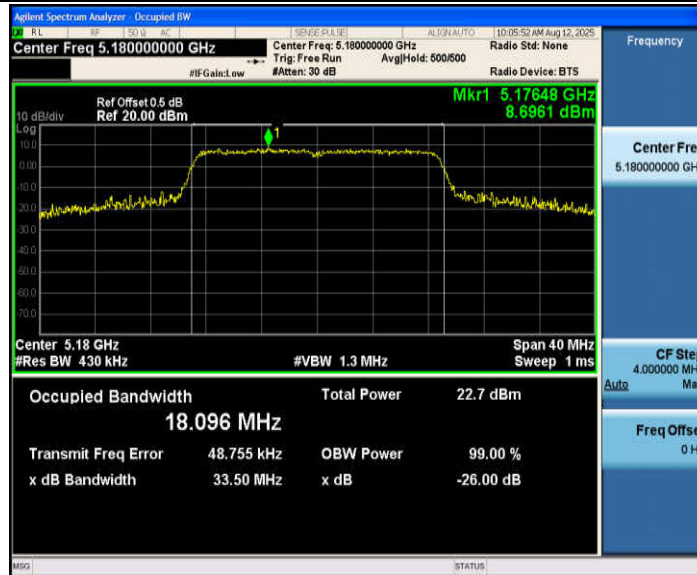
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



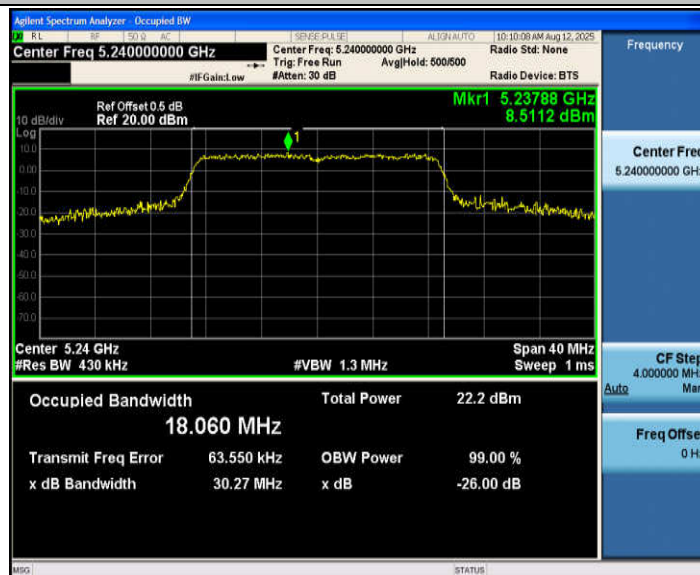
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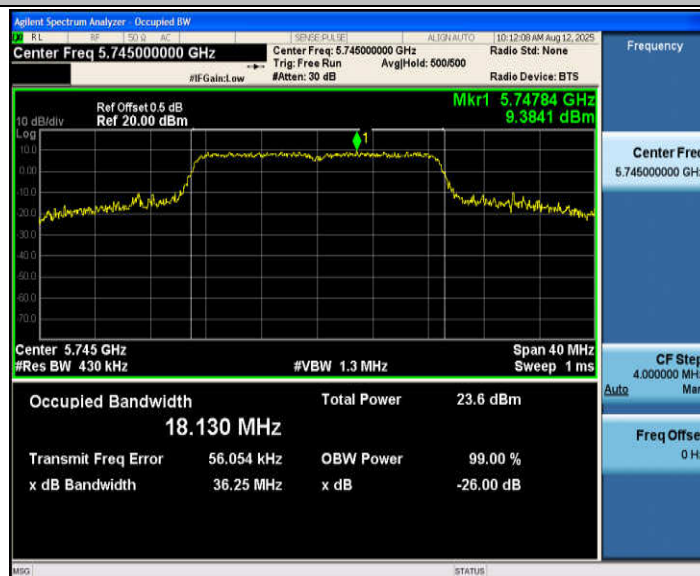
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



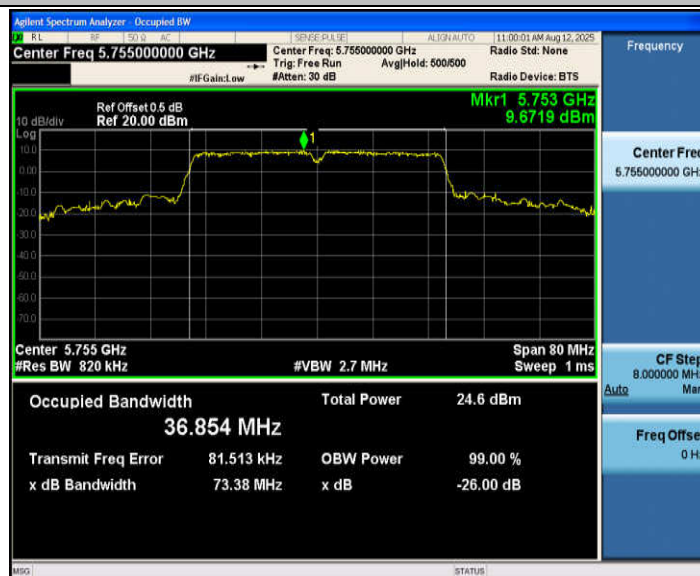
11AC40SISO_Ant1_5190



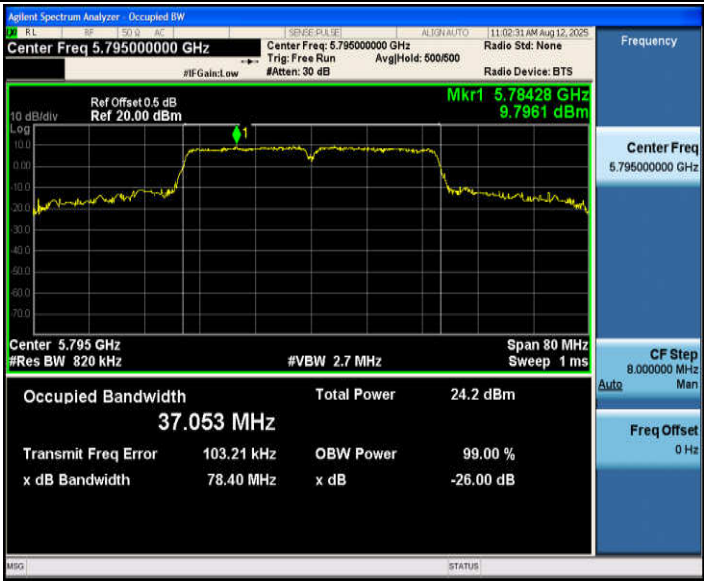
11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix A3: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	16.760	5736.640	5753.400	0.5	PASS
		5785	16.760	5776.640	5793.400	0.5	PASS
		5825	16.800	5816.480	5833.280	0.5	PASS
11N40SISO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	16.680	5736.480	5753.160	0.5	PASS
		5785	16.480	5776.680	5793.160	0.5	PASS
		5825	17.000	5816.520	5833.520	0.5	PASS
11AC40SISO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
		5795	35.200	5777.400	5812.600	0.5	PASS

Test Graphs B4

11A_Ant1_5745



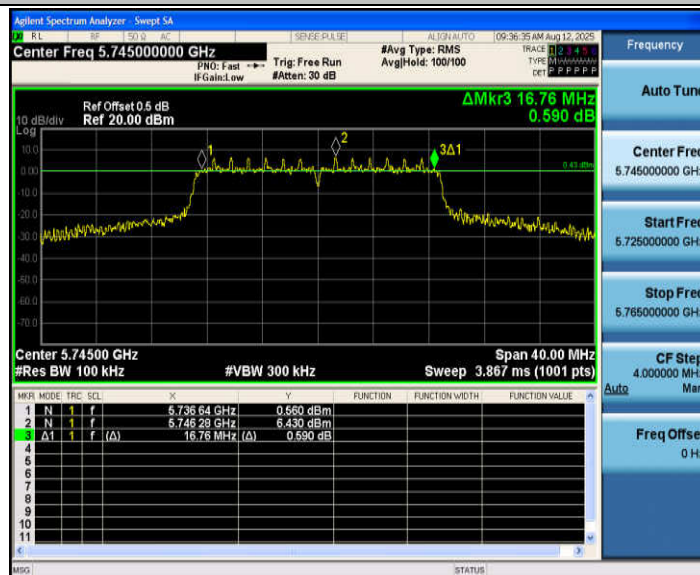
11A_Ant1_5785



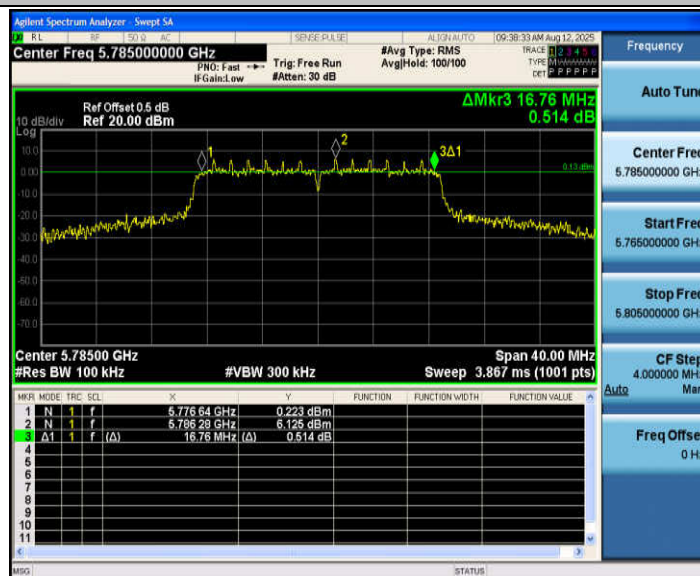
11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



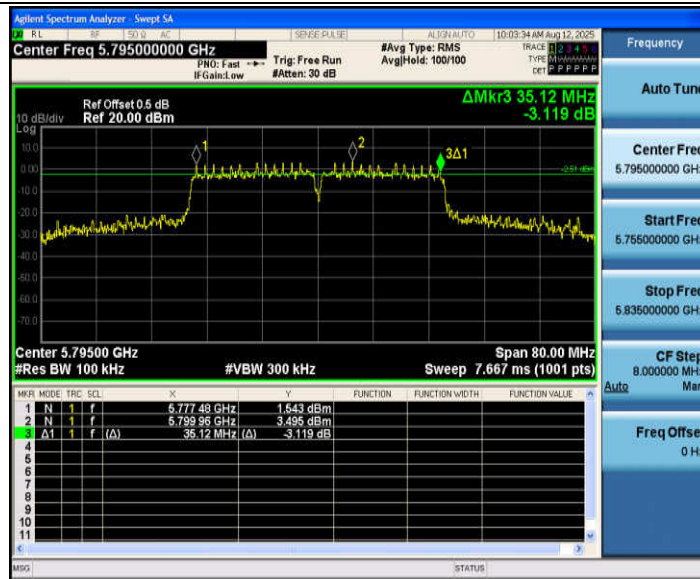
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



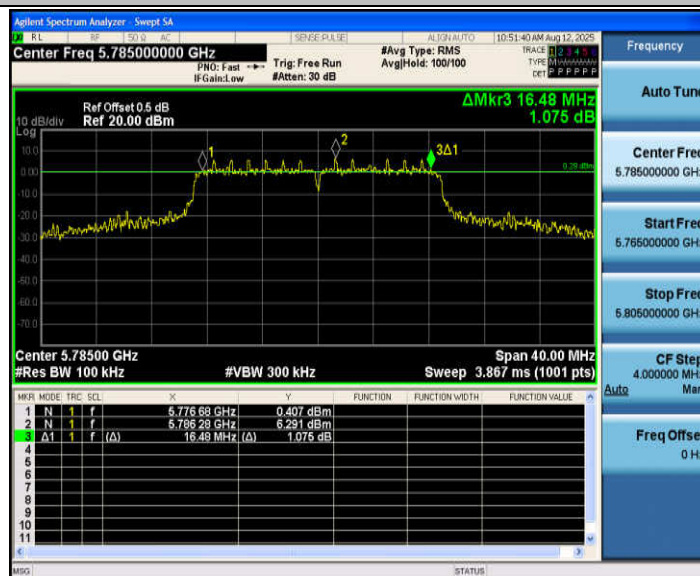
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



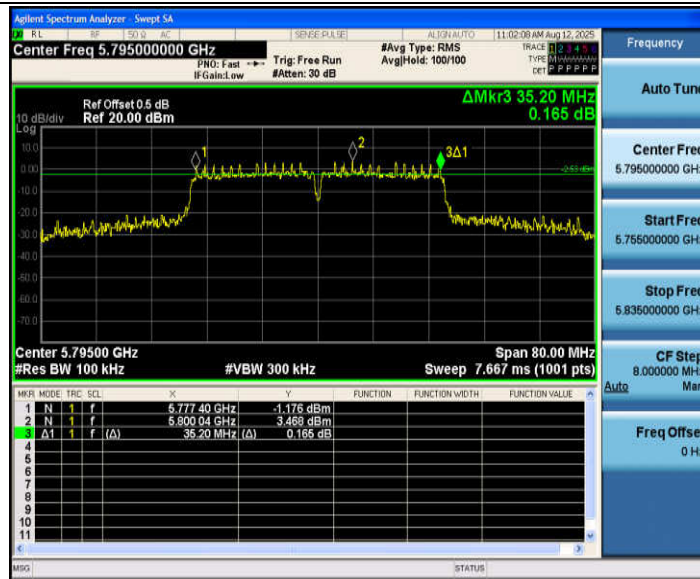
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

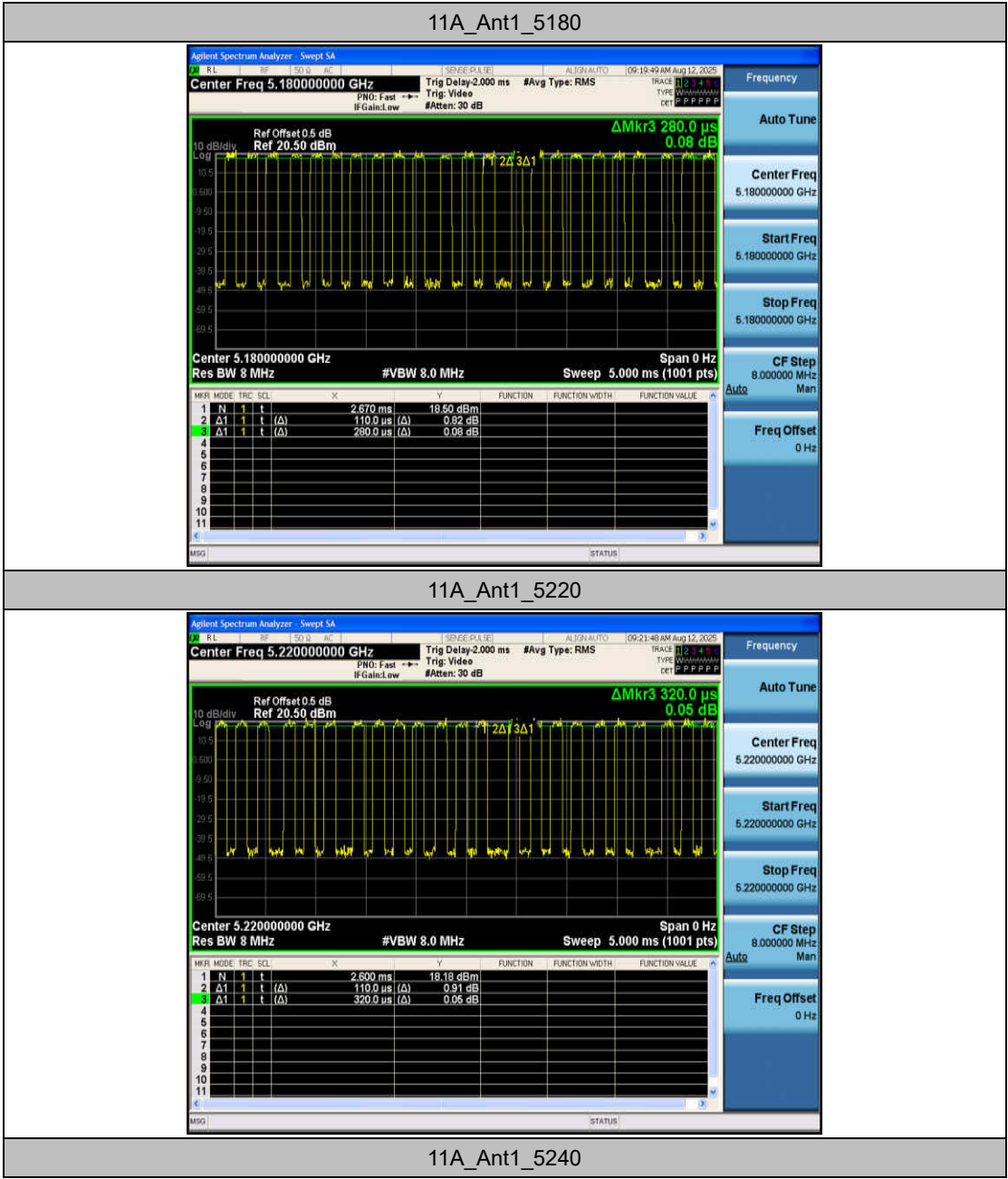


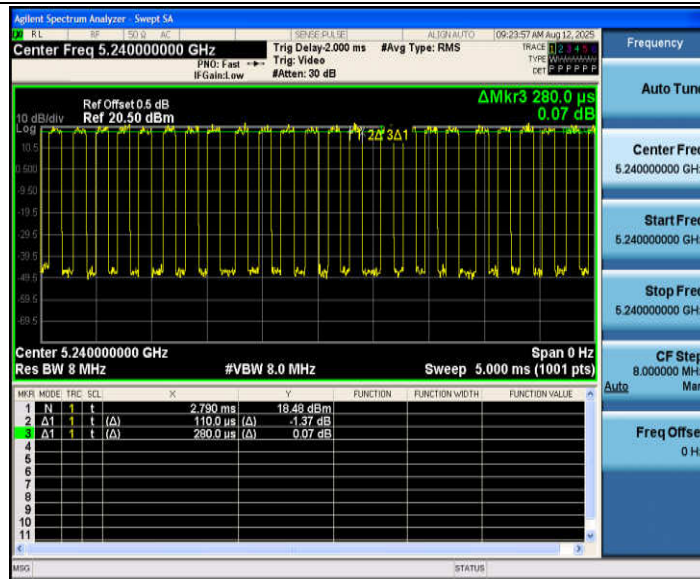
Appendix B: Duty Cycle

Test Result

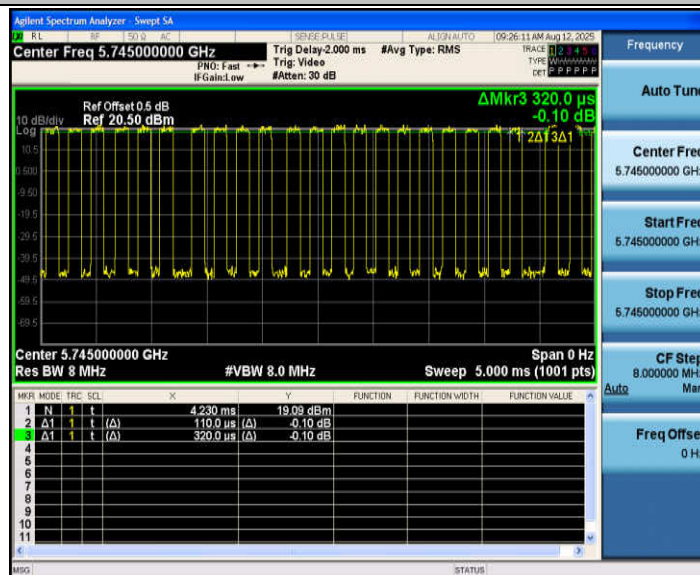
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5180	0.11	0.28	39.29	4.06	---	---
		5220	0.11	0.32	34.38	4.64	---	---
		5240	0.11	0.28	39.29	4.06	---	---
		5745	0.11	0.32	34.38	4.64	---	---
		5785	0.11	0.28	39.29	4.06	---	---
		5825	0.11	0.32	34.38	4.64	---	---
11N20SISO	Ant1	5180	0.12	0.30	40.00	3.98	---	---
		5220	0.12	0.31	38.71	4.12	---	---
		5240	0.12	0.30	40.00	3.98	---	---
		5745	0.12	0.33	36.36	4.39	---	---
		5785	0.12	0.30	40.00	3.98	---	---
		5825	0.12	0.33	36.36	4.39	---	---
11N40SISO	Ant1	5190	0.07	0.25	28.00	5.53	---	---
		5230	0.07	0.29	24.14	6.17	---	---
		5755	0.07	0.25	28.00	5.53	---	---
		5795	0.07	0.25	28.00	5.53	---	---
11AC20SISO	Ant1	5180	0.12	0.30	40.00	3.98	---	---
		5220	0.12	0.32	37.50	4.26	---	---
		5240	0.13	0.35	37.14	4.30	---	---
		5745	0.13	0.30	43.33	3.63	---	---
		5785	0.13	0.30	43.33	3.63	---	---
		5825	0.12	0.29	41.38	3.83	---	---
11AC40SISO	Ant1	5190	0.08	0.32	25.00	6.02	---	---
		5230	0.09	0.29	31.03	5.08	---	---
		5755	0.08	0.27	29.63	5.28	---	---
		5795	0.08	0.32	25.00	6.02	---	---

Test Graphs

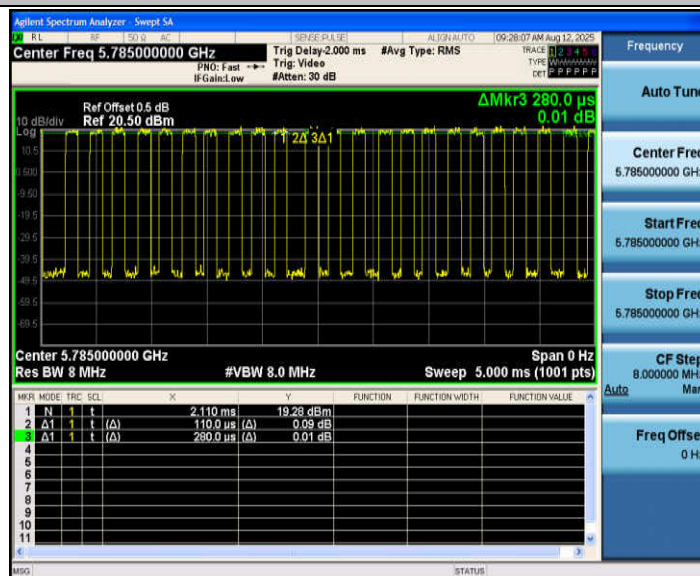




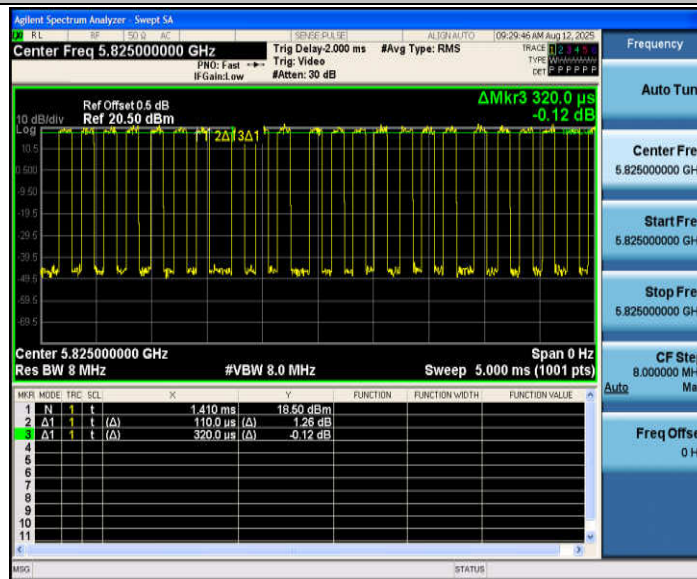
11A_Ant1_5745



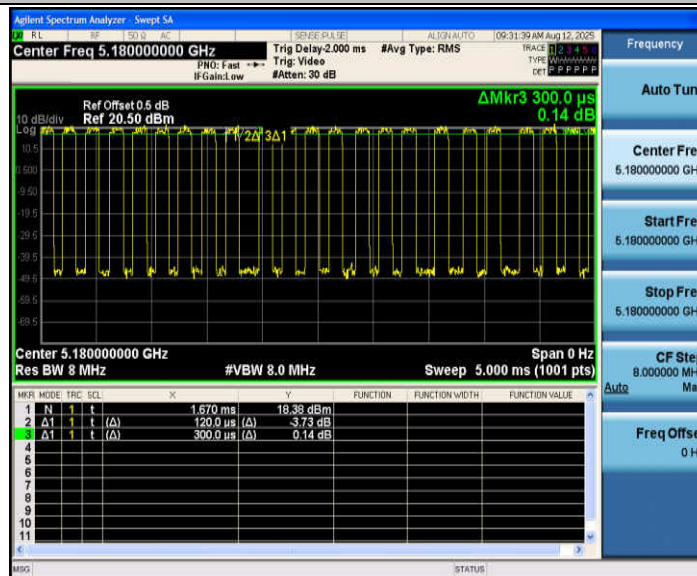
11A_Ant1_5785



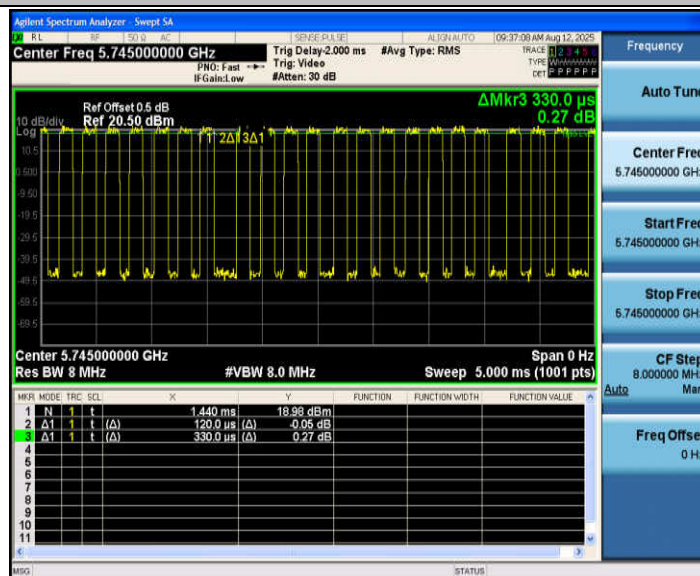
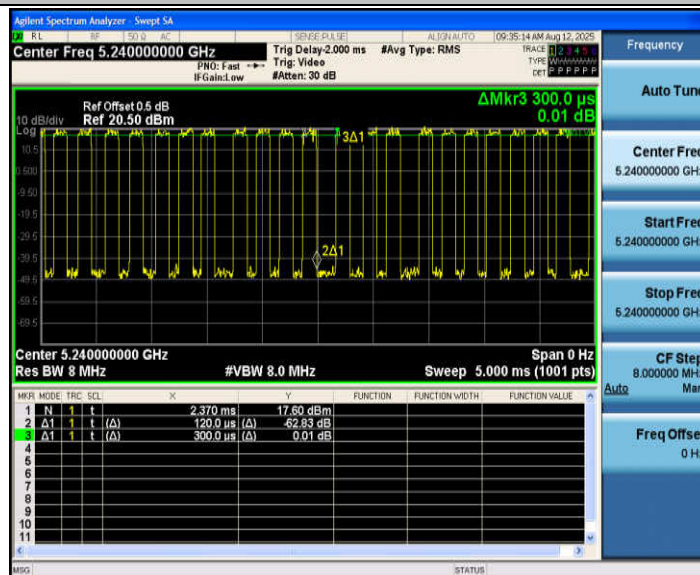
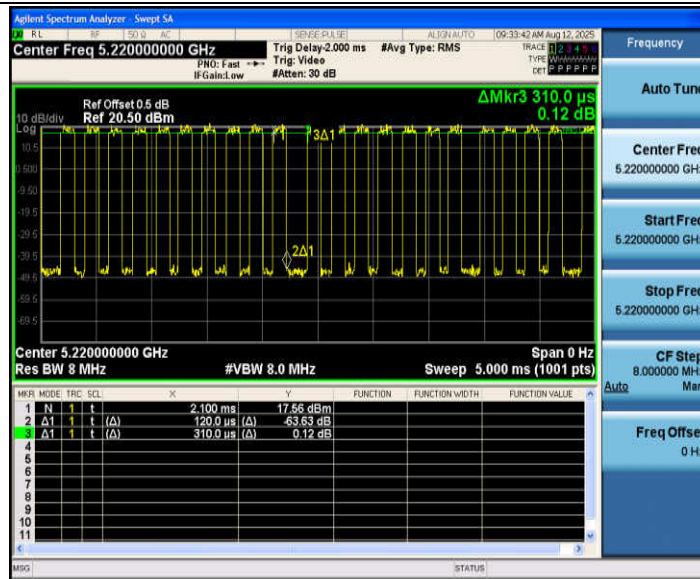
11A_Ant1_5825



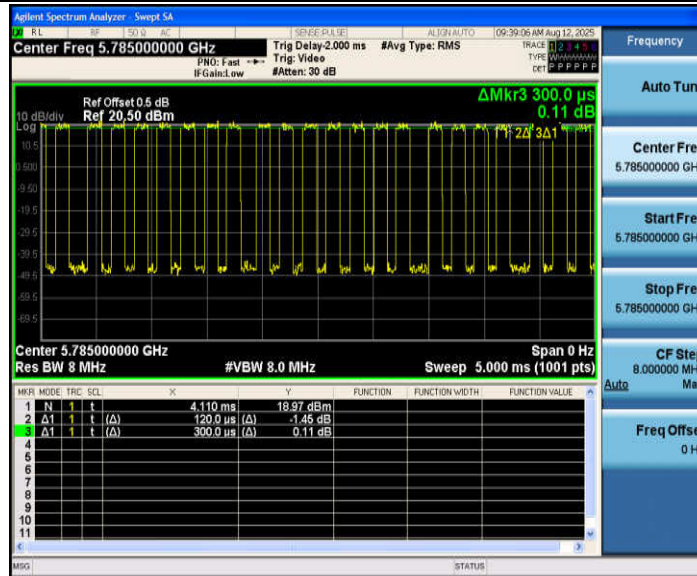
11N20SISO_Ant1_5180



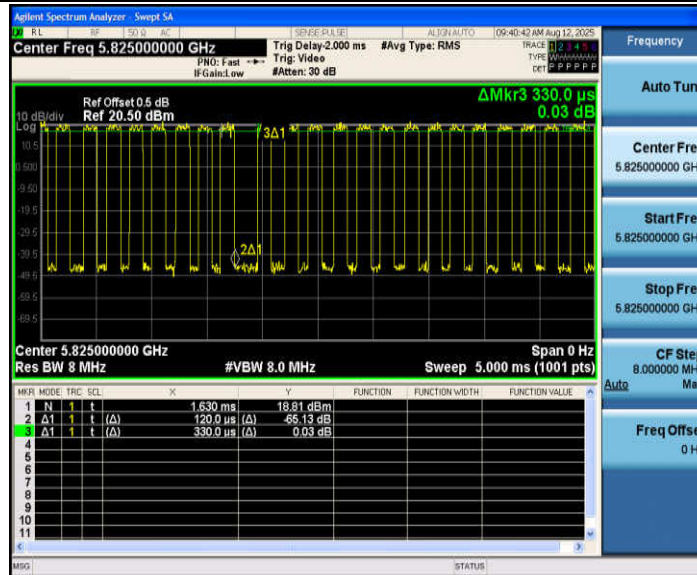
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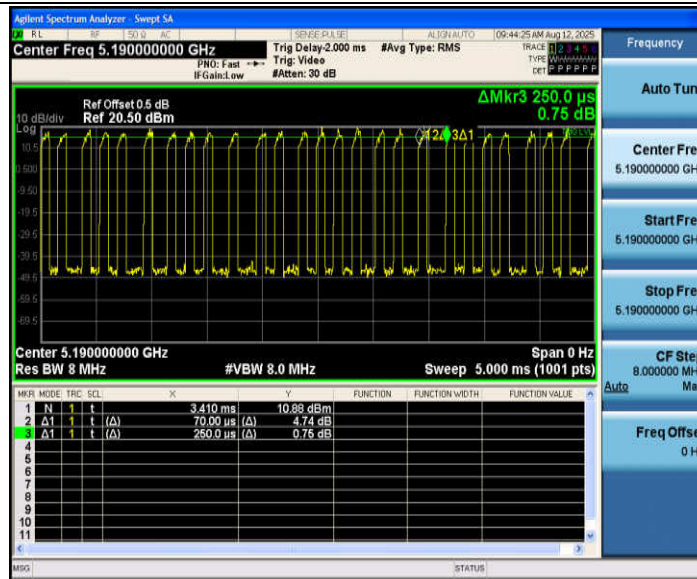
11N20SISO_Ant1_5785



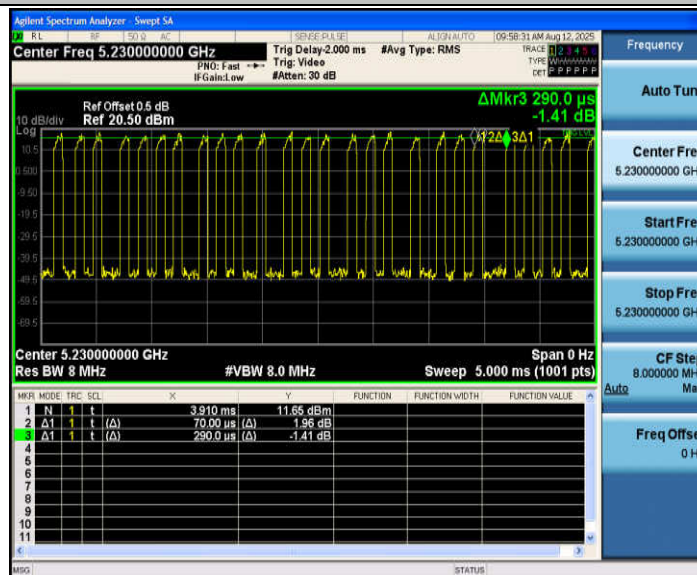
11N20SISO_Ant1_5825



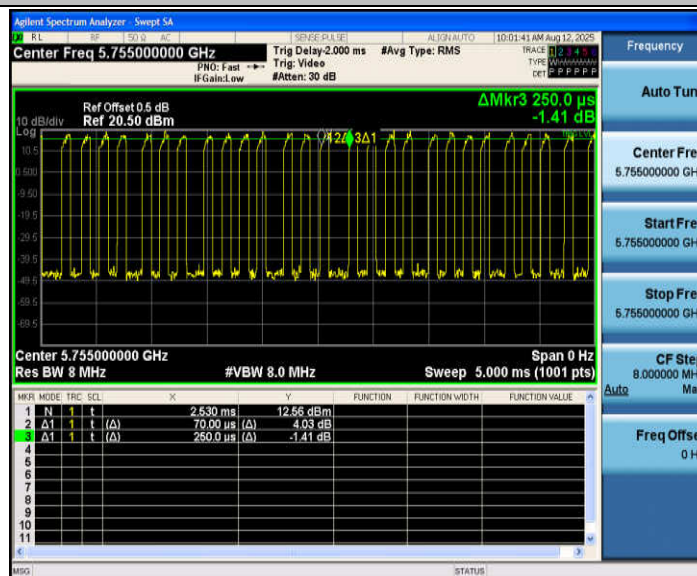
11N40SISO_Ant1_5190



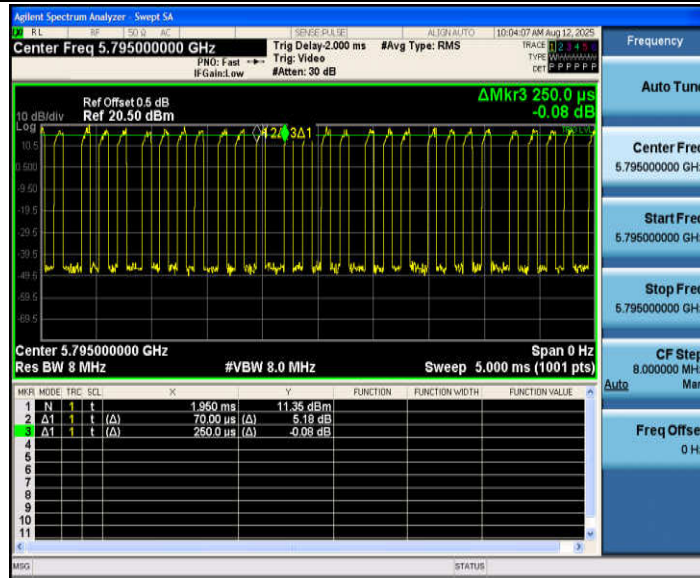
11N40SISO_Ant1_5230



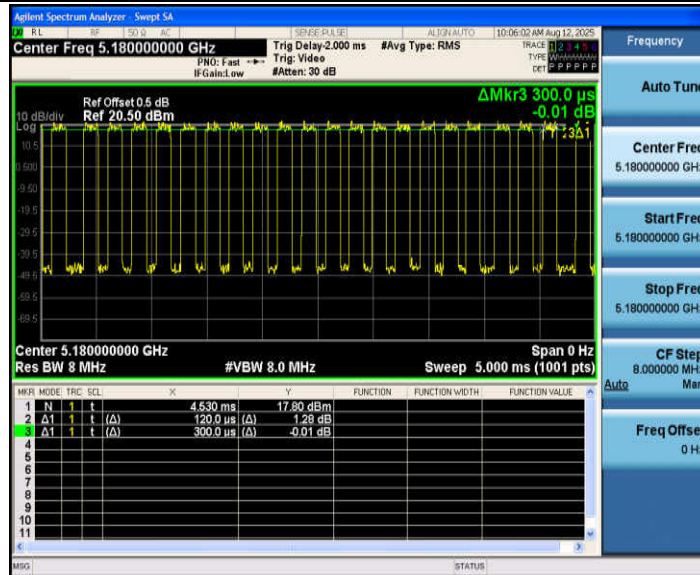
11N40SISO_Ant1_5755



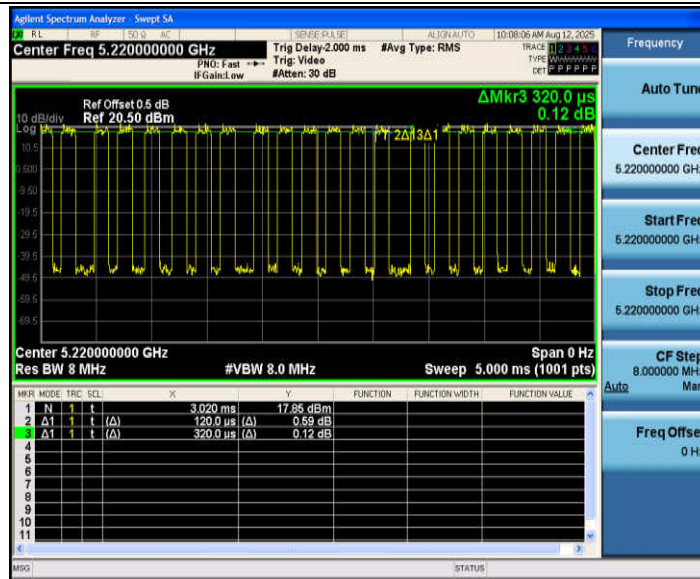
11N40SISO_Ant1_5795



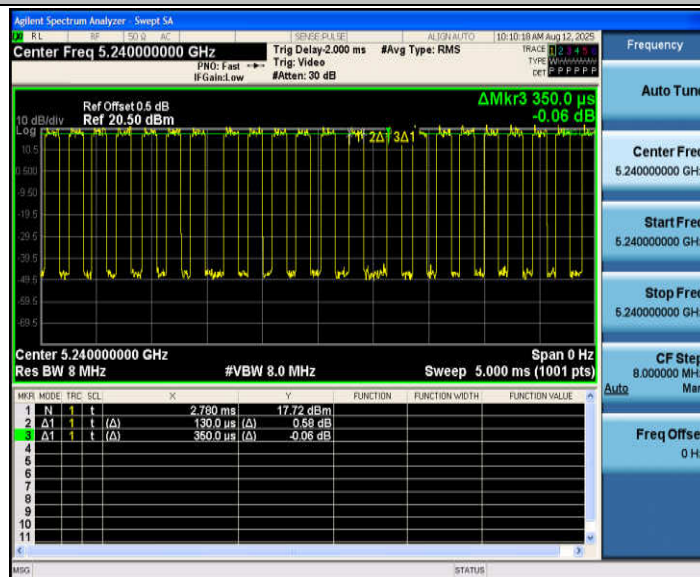
11AC20SISO_Ant1_5180



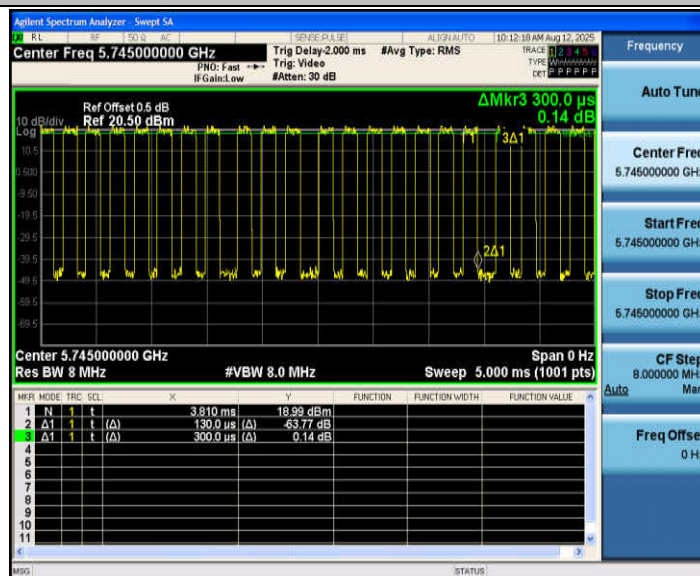
11AC20SISO_Ant1_5220



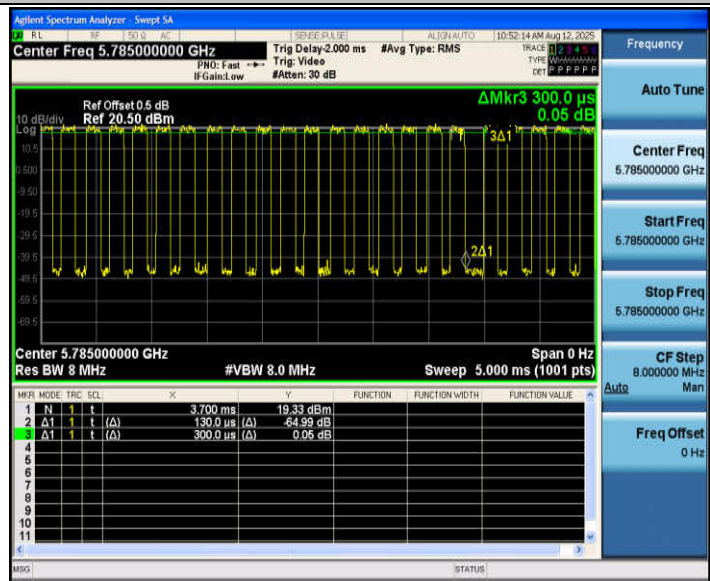
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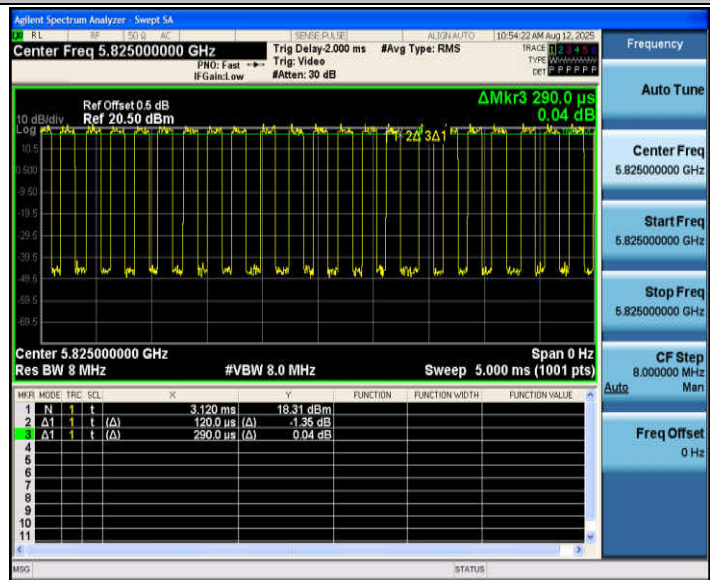
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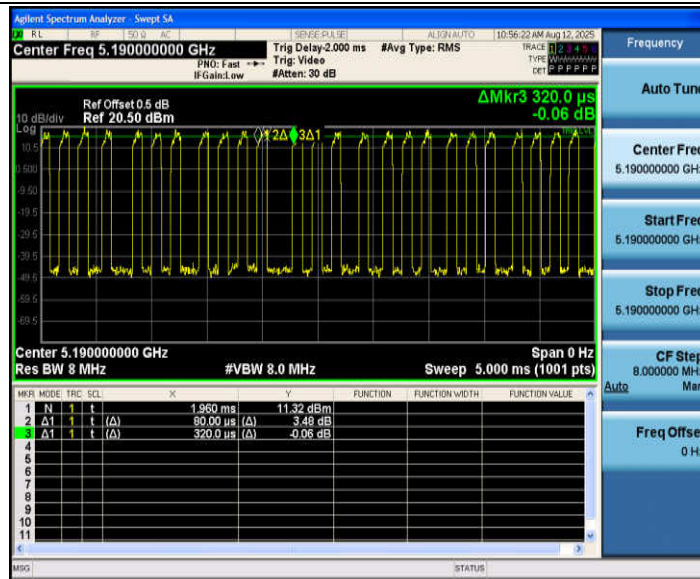
11AC20SISO_Ant1_5785



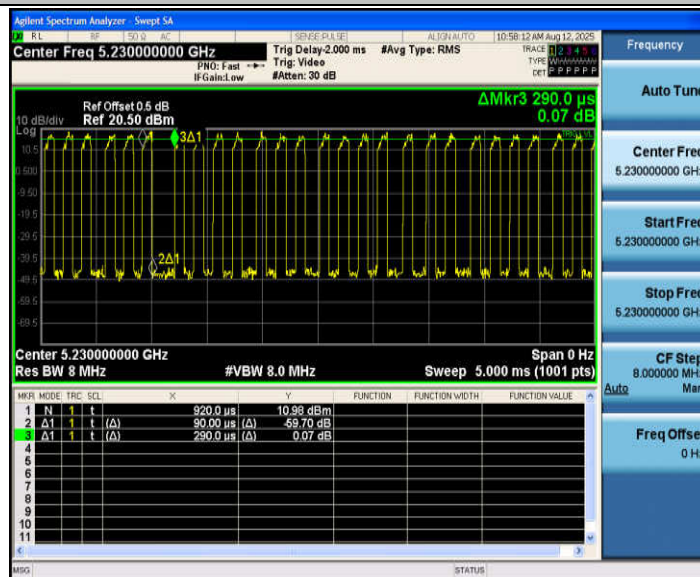
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755

