

FCC Appendix RF Test Data of Module 1

FCC ID : 2BHX3-TAA07

Company: : Shenzhen Trolink Technology Co., Ltd

EUT : Car AI Box

Model Number : TAA07

Report No. : CTA25031800802

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	21.360	5168.520	5189.880	---	---
		5220	23.960	5210.360	5234.320	---	---
		5240	26.120	5227.640	5253.760	---	---
		5745	26.360	5732.520	5758.880	---	---
		5785	20.760	5774.920	5795.680	---	---
		5825	23.240	5813.080	5836.320	---	---
11N20SISO	Ant1	5180	24.680	5168.120	5192.800	---	---
		5220	25.760	5207.760	5233.520	---	---
		5240	24.840	5227.880	5252.720	---	---
		5745	25.120	5733.040	5758.160	---	---
		5785	24.520	5773.080	5797.600	---	---
		5825	24.880	5812.760	5837.640	---	---
11N40SISO	Ant1	5190	49.200	5168.720	5217.920	---	---
		5230	48.240	5209.040	5257.280	---	---
		5755	49.360	5727.720	5777.080	---	---
		5795	58.880	5767.720	5826.600	---	---
11AC20SISO	Ant1	5180	21.080	5170.080	5191.160	---	---
		5220	24.240	5208.480	5232.720	---	---
		5240	22.120	5229.000	5251.120	---	---
		5745	24.120	5732.880	5757.000	---	---
		5785	23.800	5773.480	5797.280	---	---
		5825	23.840	5814.960	5838.800	---	---
11AC40SISO	Ant1	5190	49.200	5168.640	5217.840	---	---
		5230	48.160	5208.640	5256.800	---	---
		5755	40.000	5735.240	5775.240	---	---
		5795	41.760	5775.160	5816.920	---	---
11AX20SISO	Ant1	5180	23.320	5169.640	5192.960	---	---
		5220	20.000	5210.080	5230.080	---	---
		5240	22.360	5227.600	5249.960	---	---
		5745	24.280	5732.320	5756.600	---	---
		5785	23.360	5773.720	5797.080	---	---
		5825	21.720	5815.080	5836.800	---	---
11AX40SISO	Ant1	5190	55.520	5164.400	5219.920	---	---
		5230	51.280	5205.680	5256.960	---	---
		5755	47.760	5728.840	5776.600	---	---
		5795	43.120	5773.800	5816.920	---	---

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



11AX20SISO_Ant1_5180



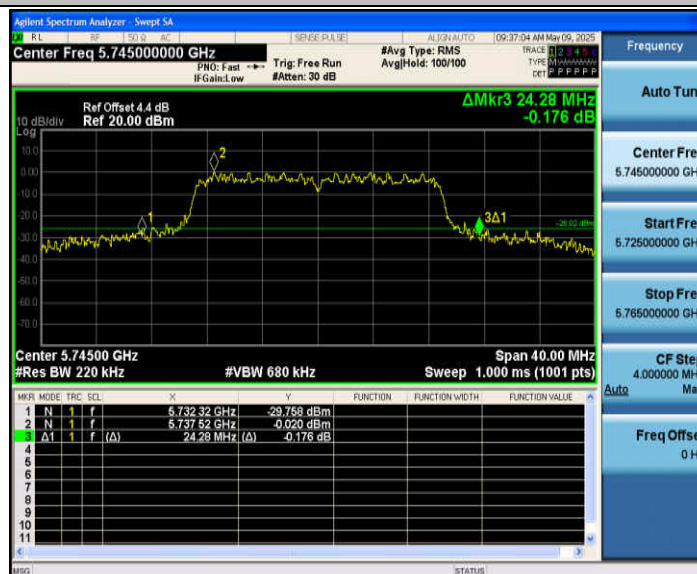
11AX20SISO_Ant1_5220



11AX20SISO_Ant1_5240



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



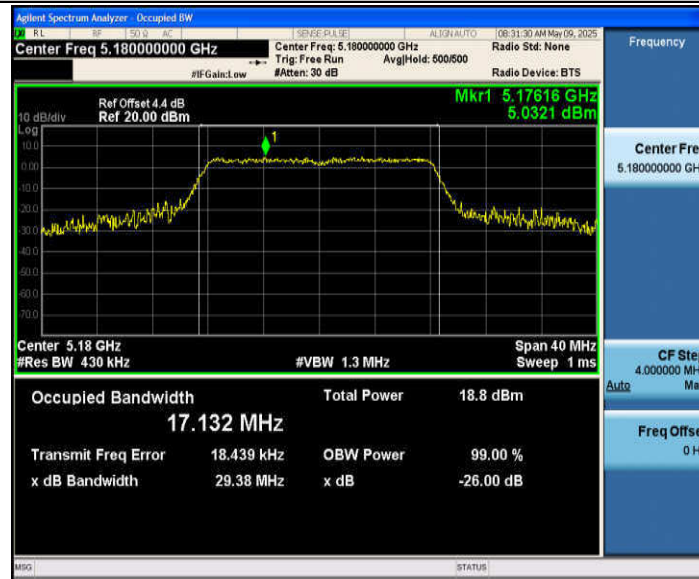
Appendix A2: Occupied channel bandwidth

Test Result

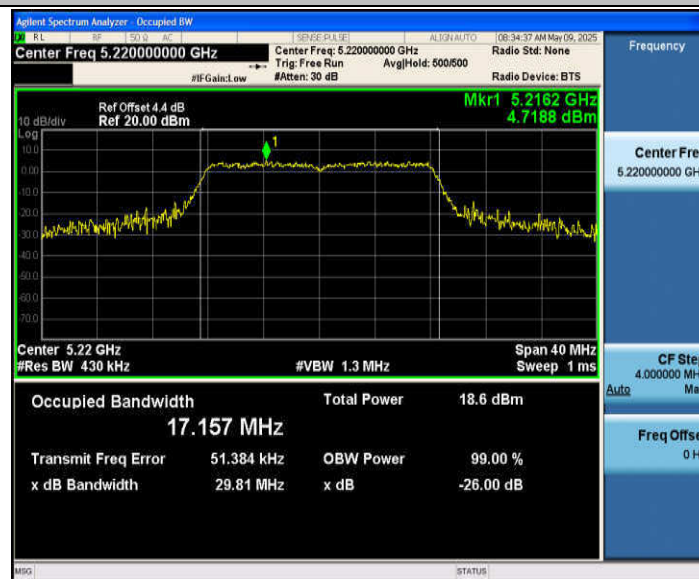
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.132	5171.4524	5188.5844	---	---
		5220	17.157	5211.4729	5228.6299	---	---
		5240	17.094	5231.4761	5248.5701	---	---
		5745	17.232	5736.3227	5753.5547	---	---
		5785	17.139	5776.4515	5793.5905	---	---
		5825	17.121	5816.4901	5833.6111	---	---
11N20SISO	Ant1	5180	18.151	5171.0326	5189.1836	---	---
		5220	18.172	5210.9798	5229.1518	---	---
		5240	18.253	5230.9121	5249.1651	---	---
		5745	18.179	5735.9013	5754.0803	---	---
		5785	18.098	5776.0166	5794.1146	---	---
		5825	18.089	5816.0114	5834.1004	---	---
11N40SISO	Ant1	5190	36.706	5171.8602	5208.5662	---	---
		5230	36.733	5211.7311	5248.4641	---	---
		5755	36.595	5736.6759	5773.2709	---	---
		5795	36.528	5776.7557	5813.2837	---	---
11AC20SISO	Ant1	5180	17.874	5171.0966	5188.9706	---	---
		5220	17.913	5211.0791	5228.9921	---	---
		5240	17.885	5231.0733	5248.9583	---	---
		5745	18.003	5735.9484	5753.9514	---	---
		5785	17.923	5776.0210	5793.9440	---	---
		5825	17.921	5816.0524	5833.9734	---	---
11AC40SISO	Ant1	5190	36.742	5171.8479	5208.5899	---	---
		5230	36.714	5211.7539	5248.4679	---	---
		5755	36.549	5736.6705	5773.2195	---	---
		5795	36.369	5776.8878	5813.2568	---	---
11AX20SISO	Ant1	5180	17.891	5171.1097	5189.0007	---	---
		5220	17.913	5211.0880	5229.0010	---	---
		5240	17.888	5231.0867	5248.9747	---	---
		5745	17.971	5735.9720	5753.9430	---	---
		5785	17.867	5776.0722	5793.9392	---	---
		5825	17.881	5816.0726	5833.9536	---	---
11AX40SISO	Ant1	5190	36.654	5171.8588	5208.5128	---	---
		5230	36.699	5211.7388	5248.4378	---	---
		5755	36.477	5736.7196	5773.1966	---	---
		5795	36.356	5776.9014	5813.2574	---	---

Test Graphs

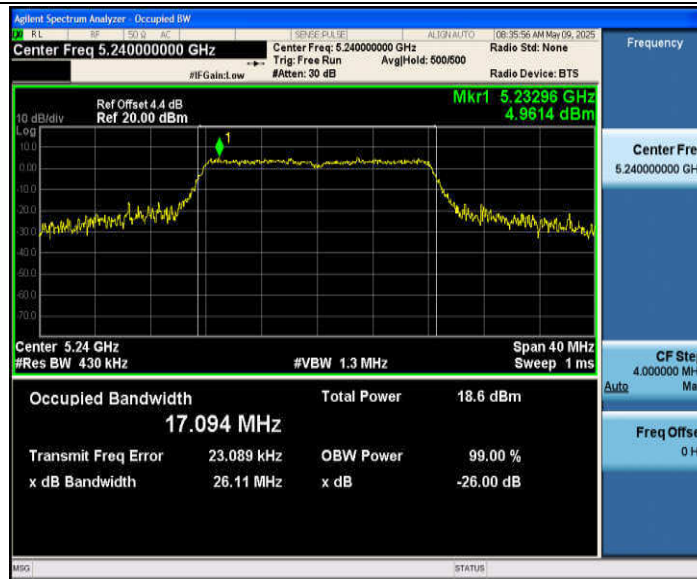
11A_Ant1_5180



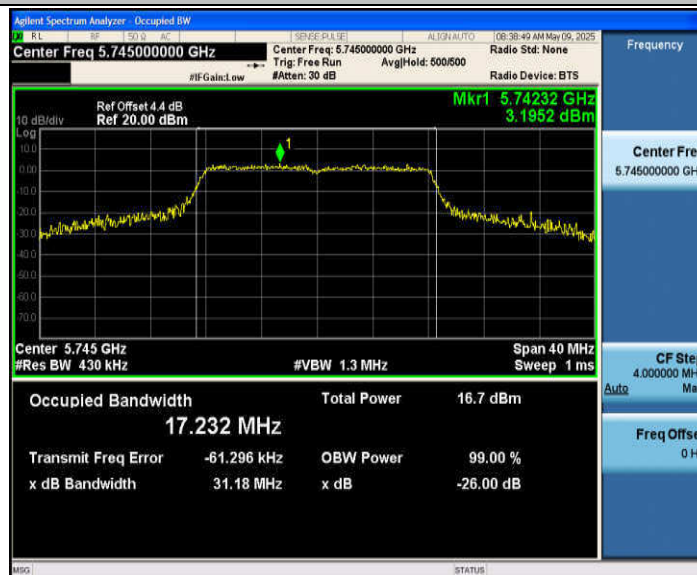
11A_Ant1_5220



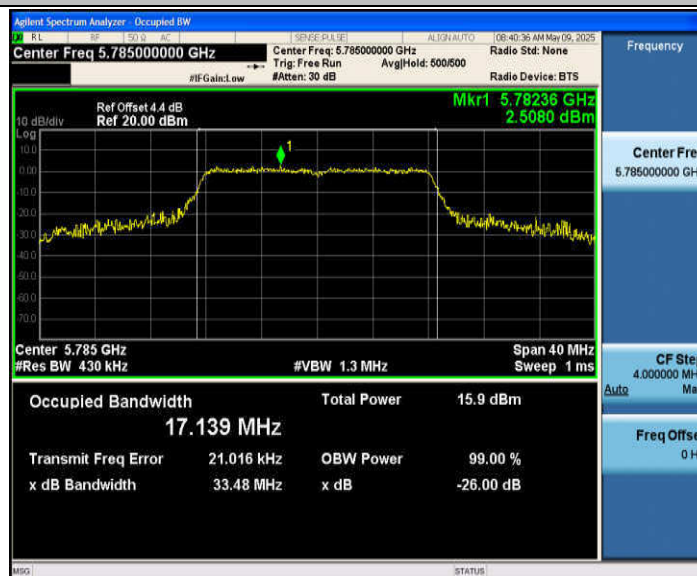
11A_Ant1_5240



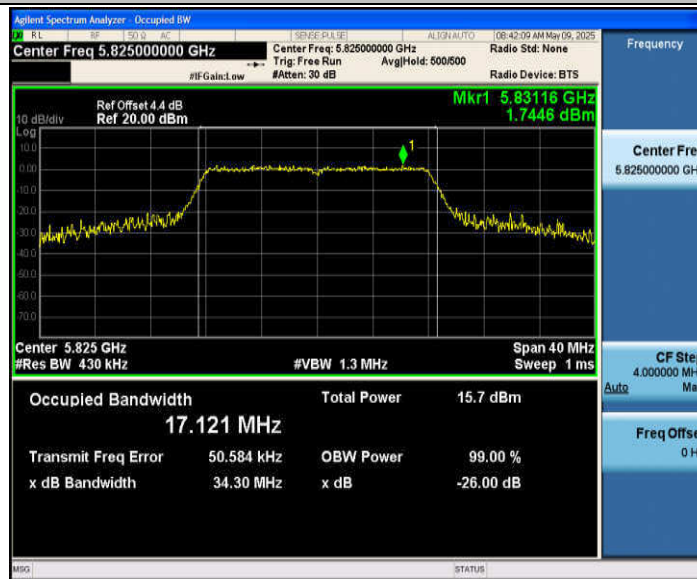
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



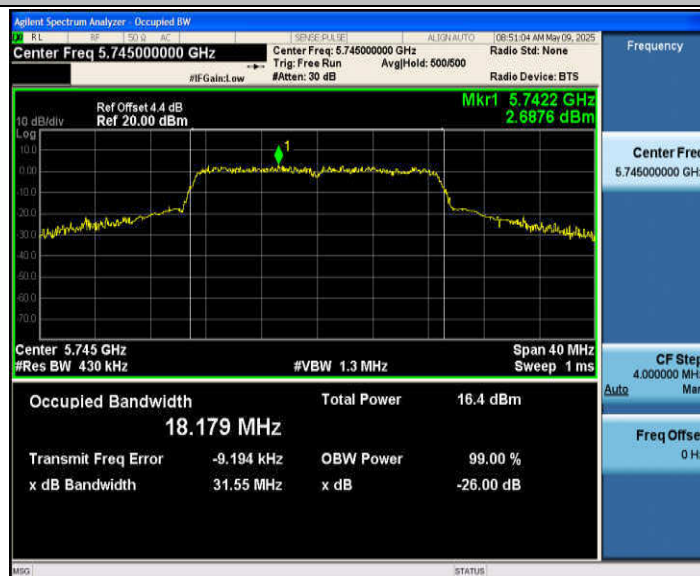
11N20SISO_Ant1_5220



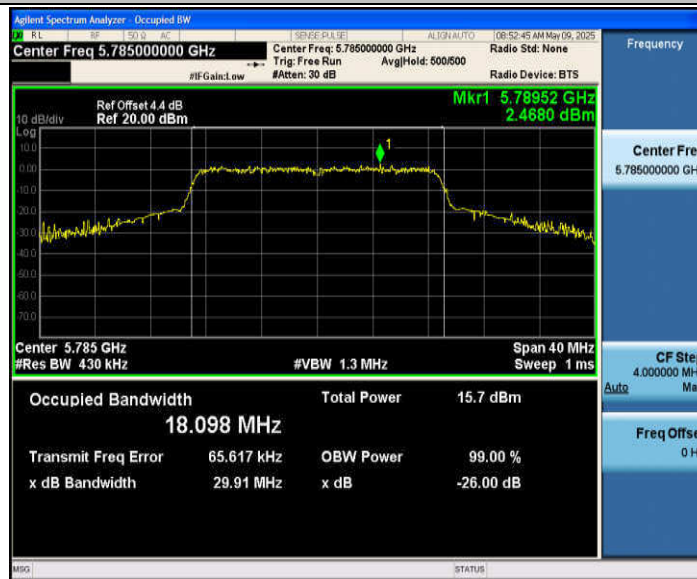
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



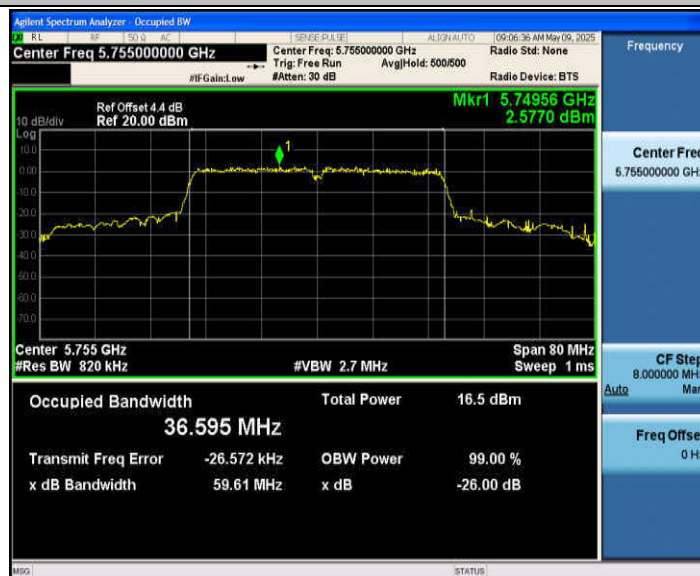
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



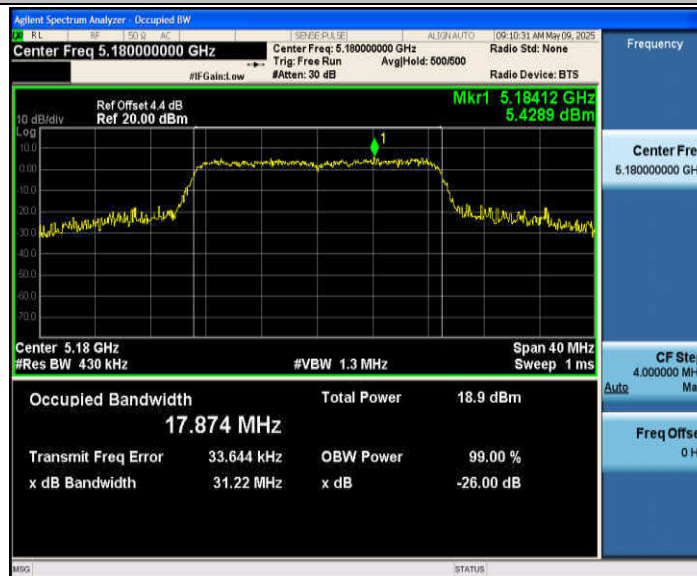
11N40SISO_Ant1_5755



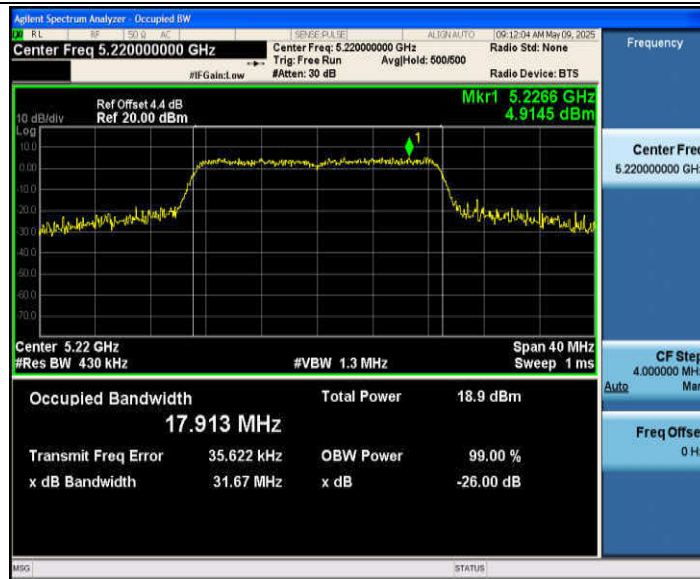
11N40SISO_Ant1_5795



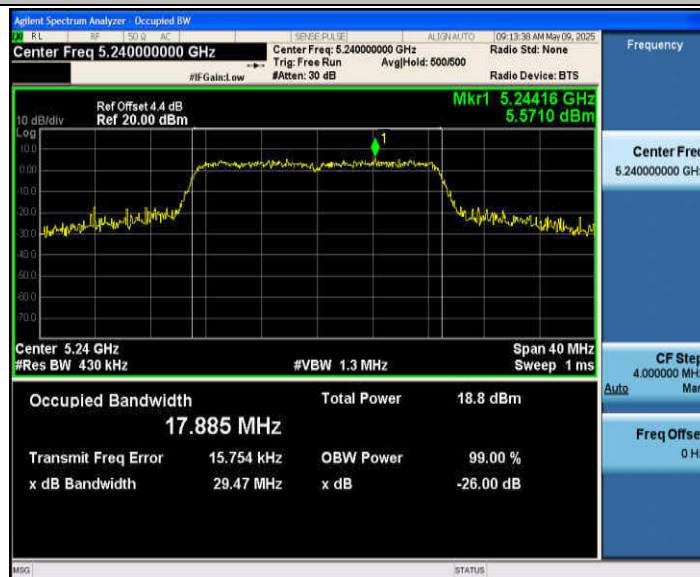
11AC20SISO_Ant1_5180



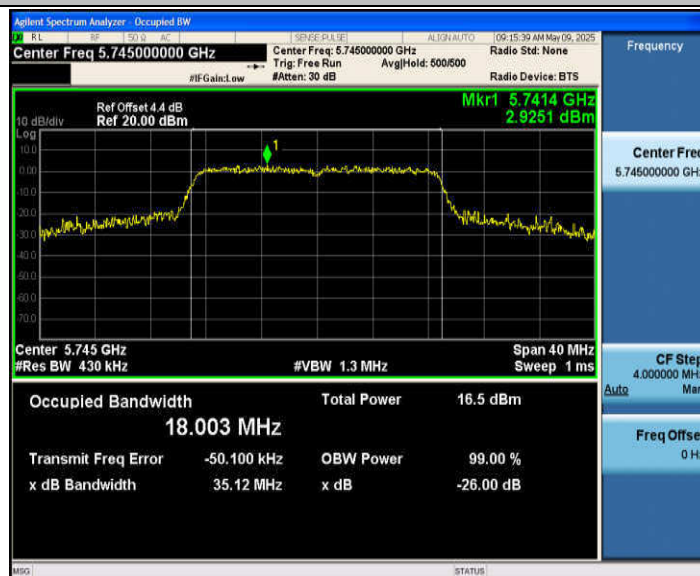
11AC20SISO_Ant1_5220



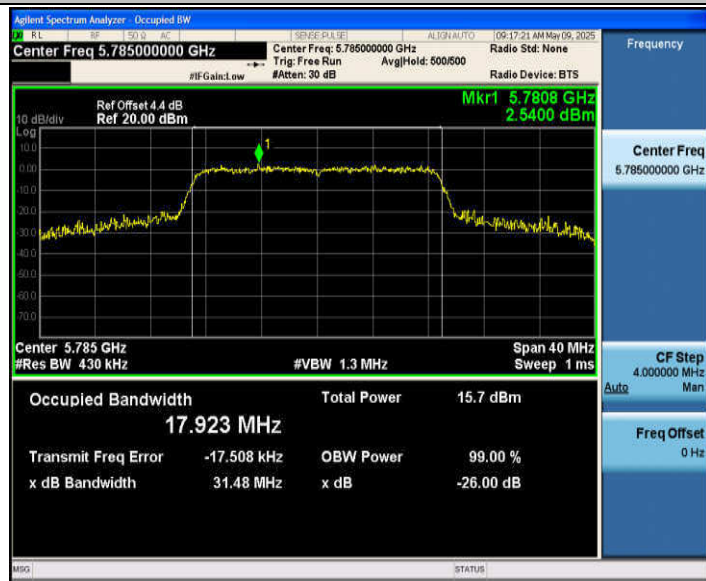
11AC20SISO_Ant1_5240



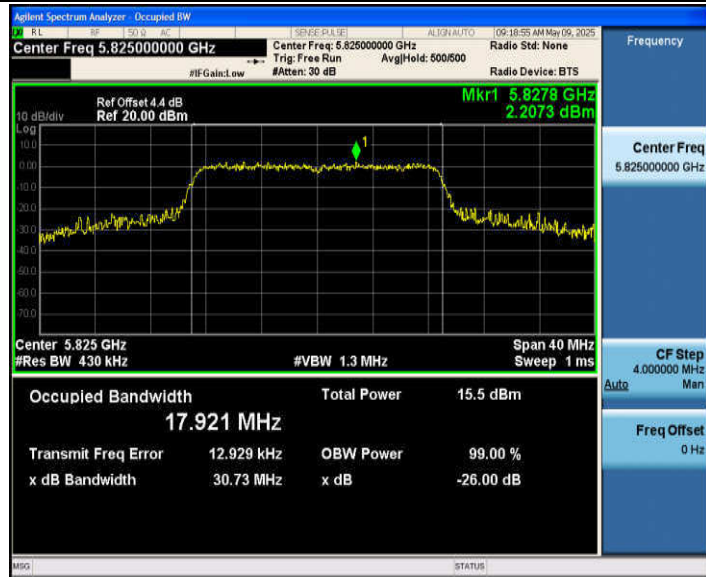
11AC20SISO_Ant1_5745



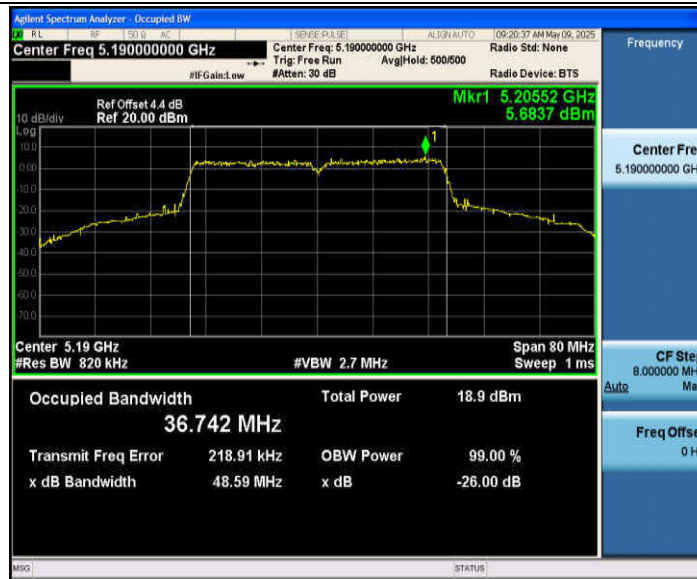
11AC20SISO_Ant1_5785



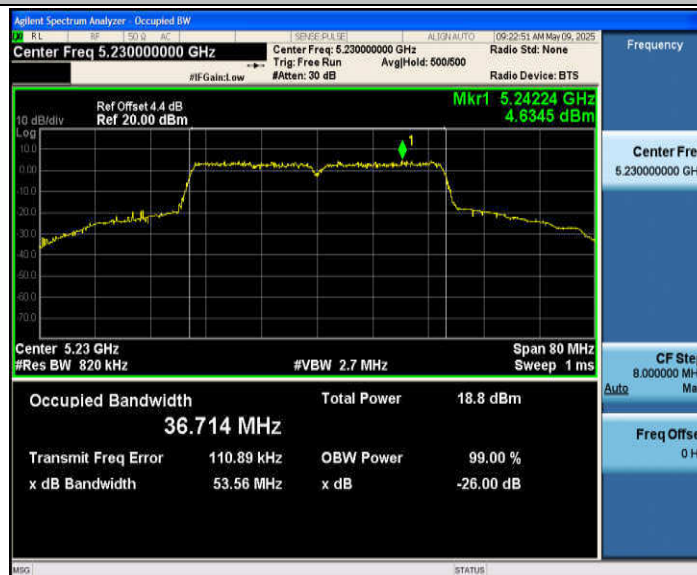
11AC20SISO_Ant1_5825



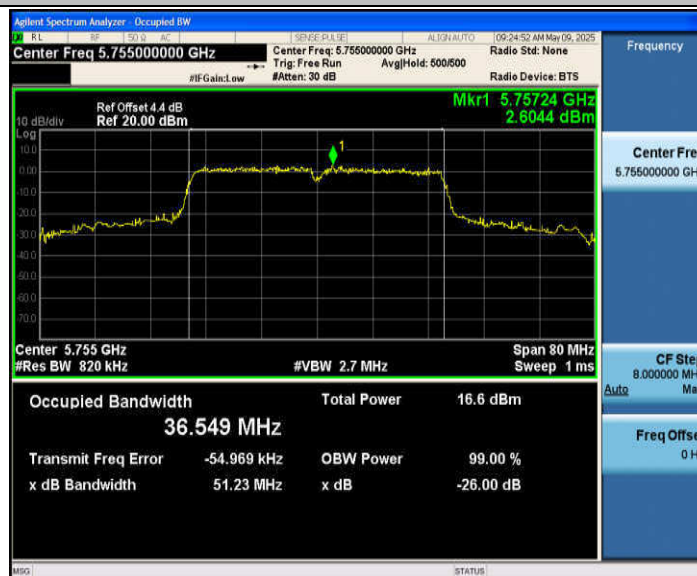
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



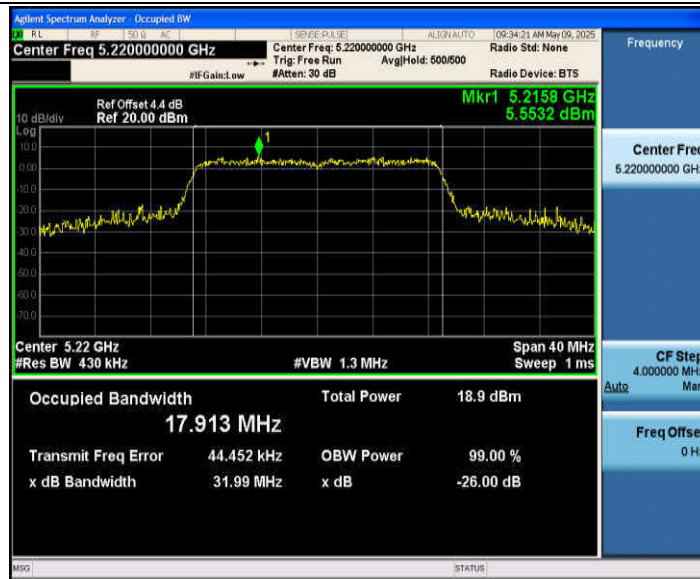
11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5180



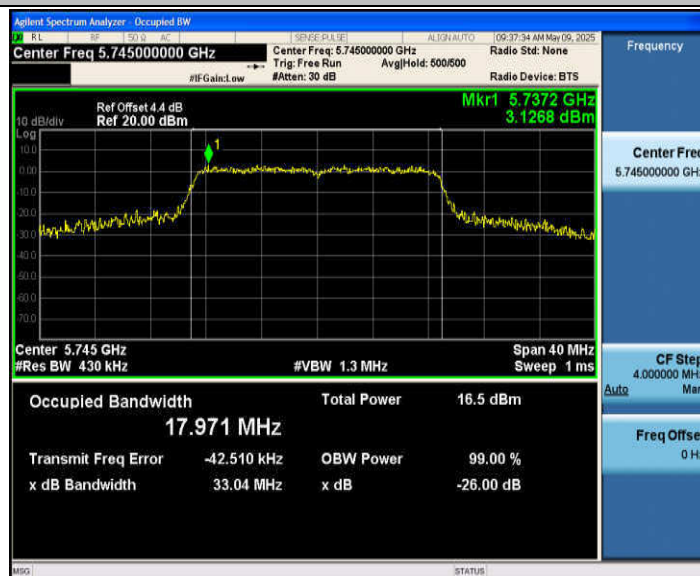
11AX20SISO_Ant1_5220



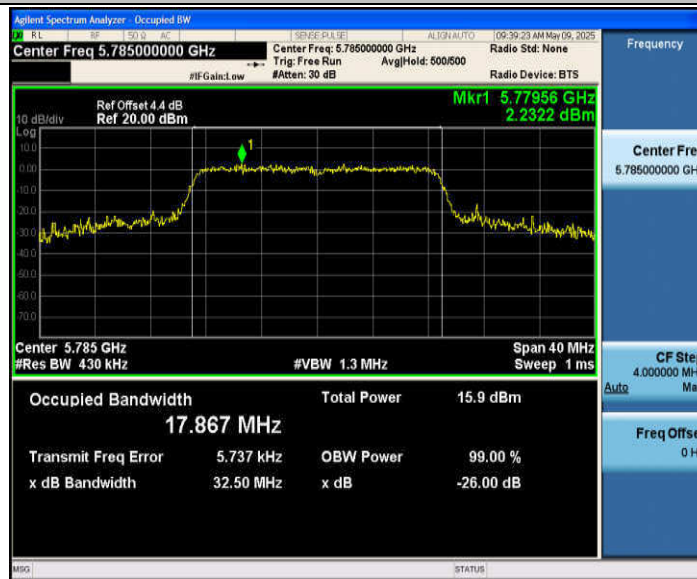
11AX20SISO_Ant1_5240



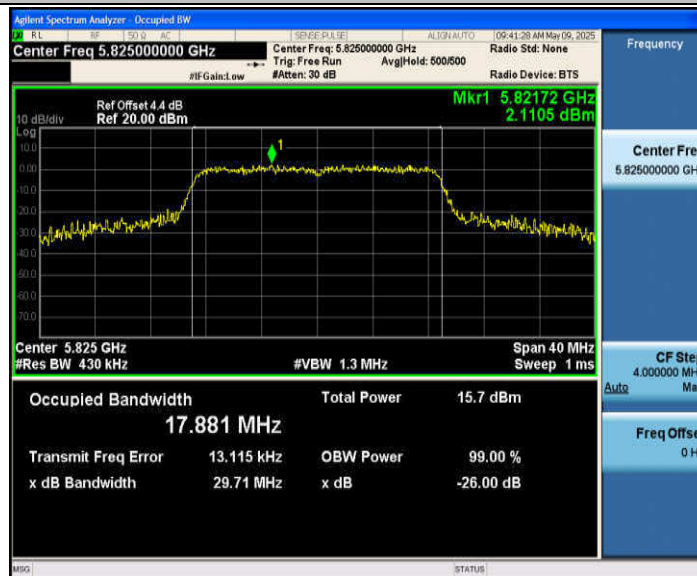
11AX20SISO_Ant1_5745



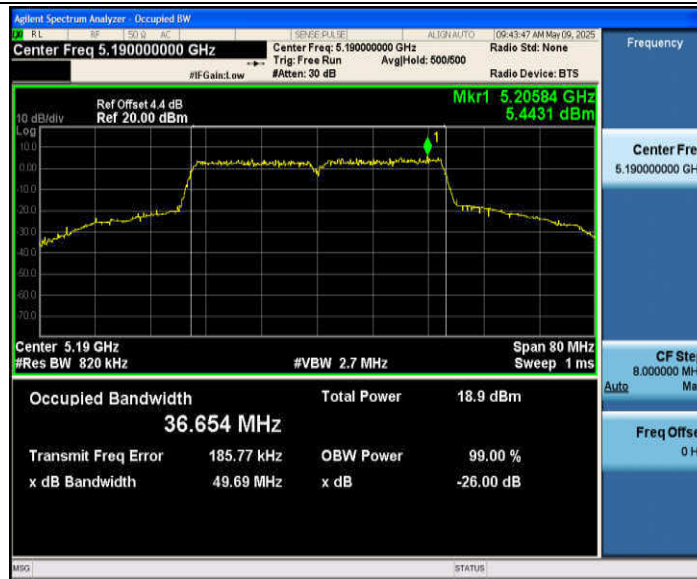
11AX20SISO_Ant1_5785



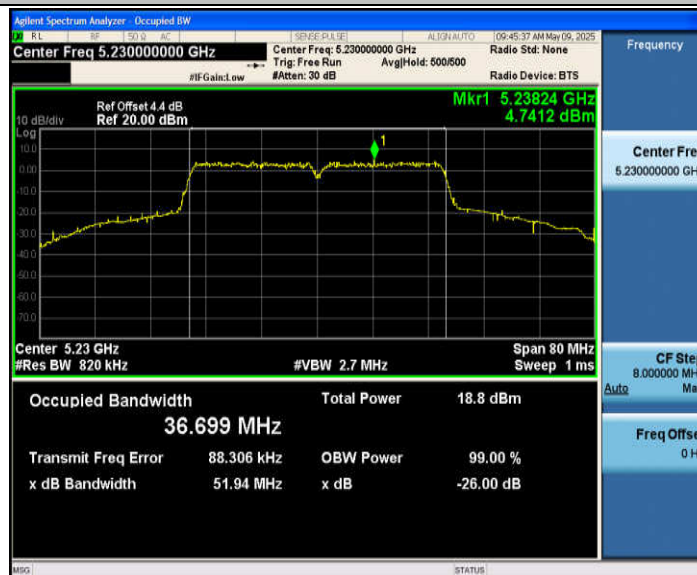
11AX20SISO_Ant1_5825



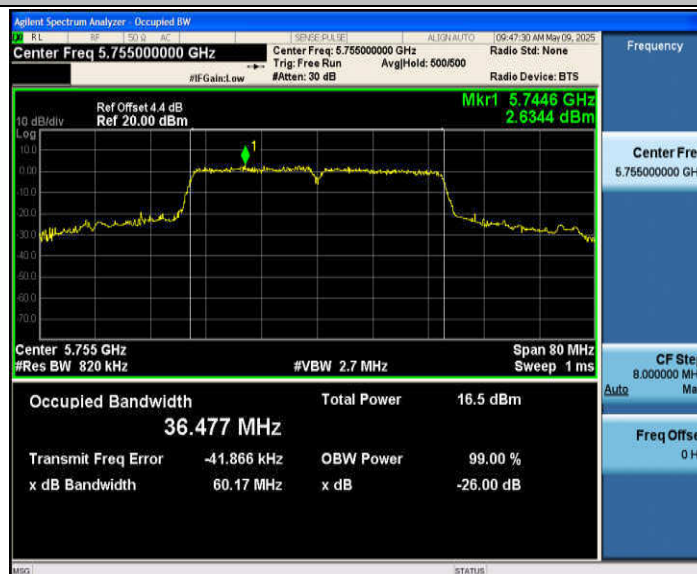
11AX40SISO_Ant1_5190



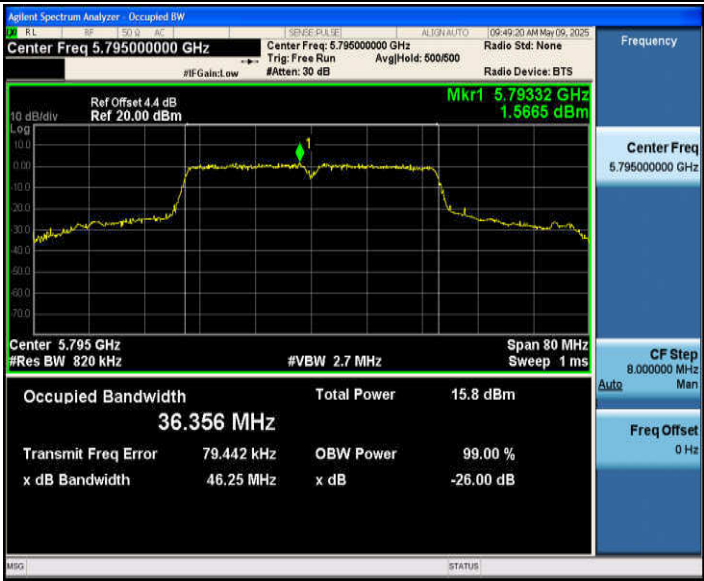
11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5755



11AX40SISO_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	16.280	5816.880	5833.160	0.5	PASS
11N20SISO	Ant1	5745	16.440	5736.400	5752.840	0.5	PASS
		5785	16.960	5776.520	5793.480	0.5	PASS
		5825	16.560	5816.720	5833.280	0.5	PASS
11N40SISO	Ant1	5755	35.520	5737.080	5772.600	0.5	PASS
		5795	35.280	5777.320	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	16.720	5736.640	5753.360	0.5	PASS
		5785	16.960	5776.400	5793.360	0.5	PASS
		5825	17.160	5816.480	5833.640	0.5	PASS
11AC40SISO	Ant1	5755	35.360	5737.240	5772.600	0.5	PASS
		5795	35.360	5777.240	5812.600	0.5	PASS
11AX20SISO	Ant1	5745	16.520	5736.520	5753.040	0.5	PASS
		5785	16.840	5776.520	5793.360	0.5	PASS
		5825	16.920	5816.680	5833.600	0.5	PASS
11AX40SISO	Ant1	5755	35.280	5737.240	5772.520	0.5	PASS
		5795	35.360	5777.240	5812.600	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



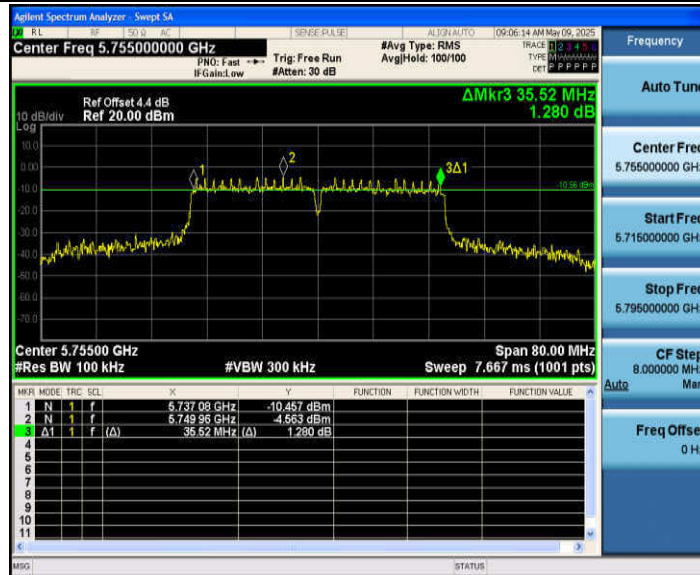
11N20SISO_Ant1_5785



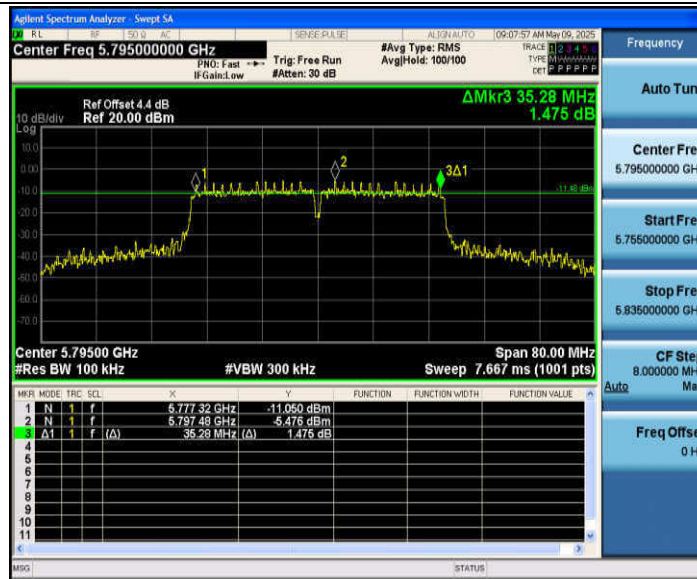
11N20SISO_Ant1_5825



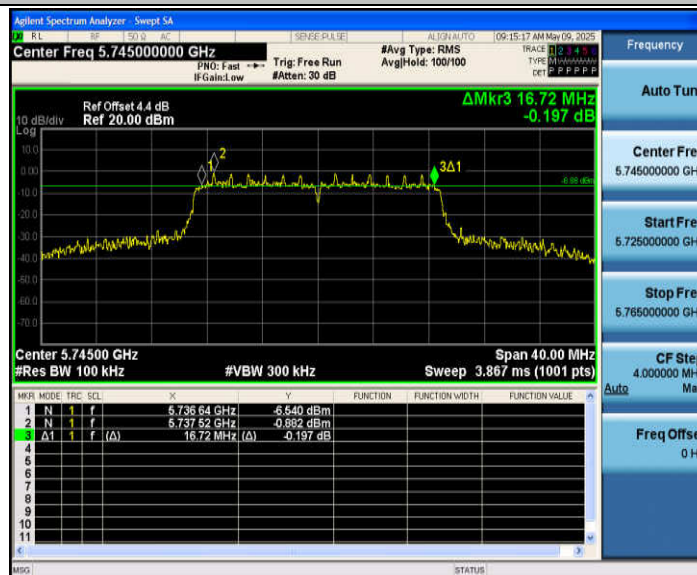
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



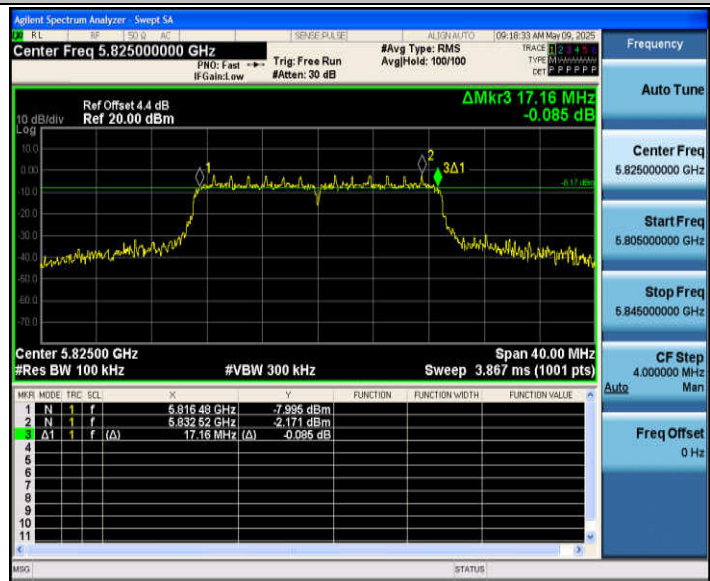
11AC20SISO_Ant1_5745



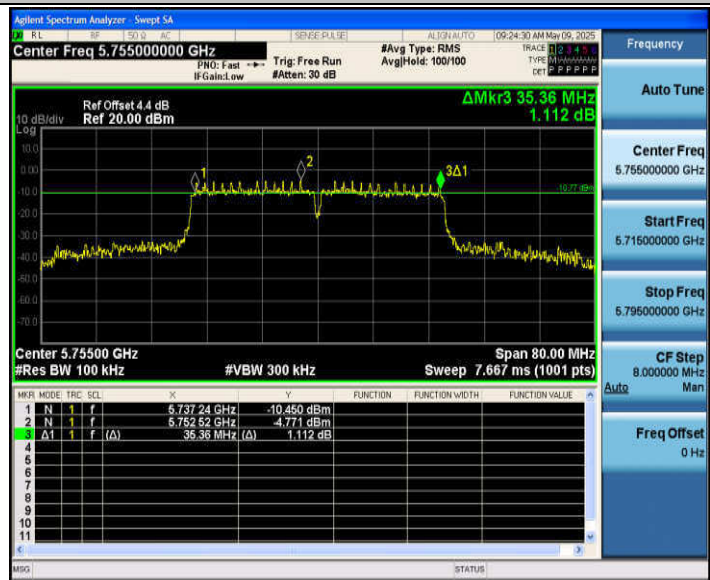
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



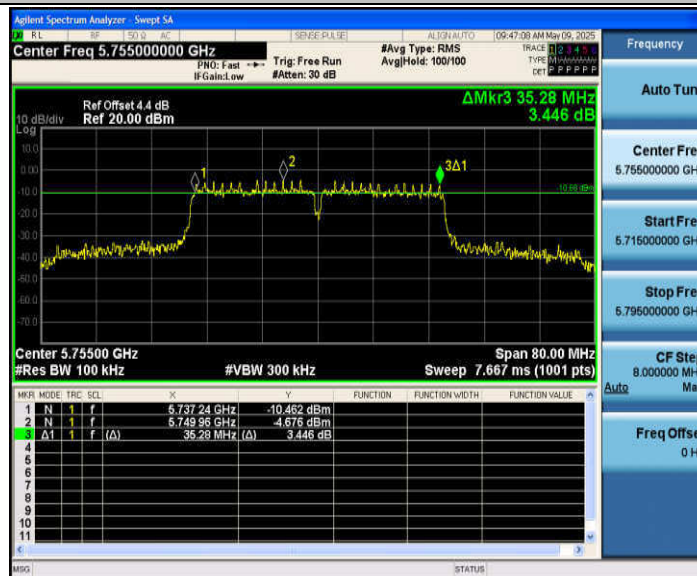
11AX20SISO_Ant1_5785



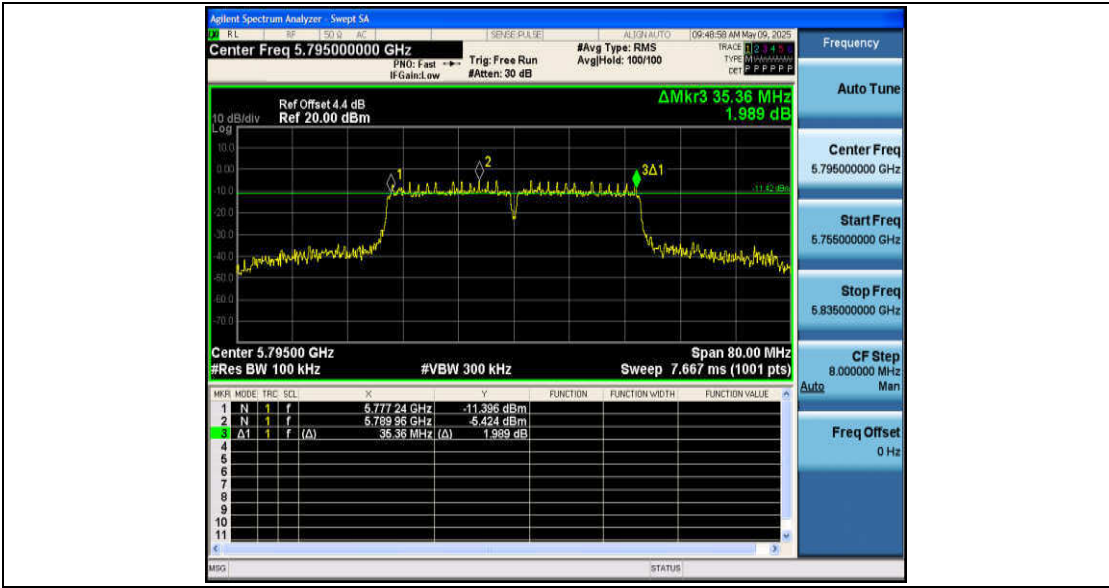
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_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	0.12	0.31	38.71	4.12	---	---
		5220	0.11	0.29	37.93	4.21	---	---
		5240	0.11	0.31	35.48	4.50	---	---
		5745	0.11	0.31	35.48	4.50	---	---
		5785	0.11	0.28	39.29	4.06	---	---
		5825	0.11	0.33	33.33	4.77	---	---
11N20SISO	Ant1	5180	0.11	0.29	37.93	4.21	---	---
		5220	0.11	0.30	36.67	4.36	---	---
		5240	0.12	0.32	37.50	4.26	---	---
		5745	0.11	0.33	33.33	4.77	---	---
		5785	0.11	0.29	37.93	4.21	---	---
		5825	0.11	0.29	37.93	4.21	---	---
11N40SISO	Ant1	5190	0.08	0.27	29.63	5.28	---	---
		5230	0.07	0.28	25.00	6.02	---	---
		5755	0.07	0.28	25.00	6.02	---	---
		5795	0.07	0.26	26.92	5.70	---	---
11AC20SISO	Ant1	5180	0.12	0.29	41.38	3.83	---	---
		5220	0.12	0.30	40.00	3.98	---	---
		5240	0.12	0.32	37.50	4.26	---	---
		5745	0.12	0.32	37.50	4.26	---	---
		5785	0.11	0.29	37.93	4.21	---	---
		5825	0.12	0.29	41.38	3.83	---	---
11AC40SISO	Ant1	5190	0.08	0.27	29.63	5.28	---	---
		5230	0.08	0.28	28.57	5.44	---	---
		5755	0.08	0.30	26.67	5.74	---	---
		5795	0.08	0.31	25.81	5.88	---	---
11AX20SISO	Ant1	5180	0.12	0.28	42.86	3.68	---	---
		5220	0.12	0.29	41.38	3.83	---	---
		5240	0.12	0.31	38.71	4.12	---	---
		5745	0.11	0.29	37.93	4.21	---	---
		5785	0.12	0.29	41.38	3.83	---	---
		5825	0.12	0.30	40.00	3.98	---	---
11AX40SISO	Ant1	5190	0.08	0.29	27.59	5.59	---	---
		5230	0.08	0.27	29.63	5.28	---	---
		5755	0.07	0.26	26.92	5.70	---	---
		5795	0.08	0.30	26.67	5.74	---	---

