

FCC Appendix RF Test Data

FCC ID : **2A8W5S6MAX**

Company: : **BAODE INTERNATIONAL LIMITED**

EUT : **Smart Media Player**

Model Number : **SuperBOX S6MAX**

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	22.520	5167.480	5190.000	---	---
		5220	24.960	5210.320	5235.280	---	---
		5240	23.400	5227.120	5250.520	---	---
		5745	23.640	5733.040	5756.680	---	---
		5785	20.880	5774.760	5795.640	---	---
		5825	20.240	5815.080	5835.320	---	---
11N20SISO	Ant1	5180	25.400	5168.040	5193.440	---	---
		5220	25.360	5208.160	5233.520	---	---
		5240	25.040	5227.800	5252.840	---	---
		5745	25.160	5731.400	5756.560	---	---
		5785	27.680	5773.000	5800.680	---	---
		5825	24.760	5812.840	5837.600	---	---
11N40SISO	Ant1	5190	43.840	5168.880	5212.720	---	---
		5230	44.640	5208.160	5252.800	---	---
		5755	51.120	5725.800	5776.920	---	---
		5795	48.960	5768.760	5817.720	---	---
11AC20SISO	Ant1	5180	23.160	5168.960	5192.120	---	---
		5220	22.440	5210.080	5232.520	---	---
		5240	21.520	5228.600	5250.120	---	---
		5745	24.800	5732.280	5757.080	---	---
		5785	25.040	5774.000	5799.040	---	---
		5825	24.960	5814.400	5839.360	---	---
11AC40SISO	Ant1	5190	50.160	5168.640	5218.800	---	---
		5230	51.360	5205.520	5256.880	---	---
		5755	43.440	5733.640	5777.080	---	---
		5795	46.240	5774.680	5820.920	---	---
11AX20SISO	Ant1	5180	22.280	5169.680	5191.960	---	---
		5220	19.880	5210.160	5230.040	---	---
		5240	23.240	5228.720	5251.960	---	---
		5745	25.480	5731.680	5757.160	---	---
		5785	25.000	5772.880	5797.880	---	---
		5825	25.640	5812.320	5837.960	---	---
11AX40SISO	Ant1	5190	47.280	5169.680	5216.960	---	---
		5230	48.640	5208.240	5256.880	---	---
		5755	42.480	5732.920	5775.400	---	---
		5795	47.760	5769.320	5817.080	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



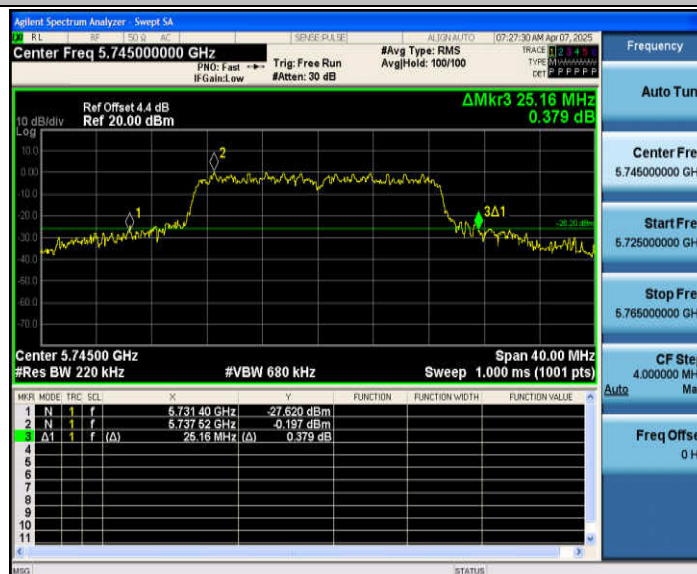
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755

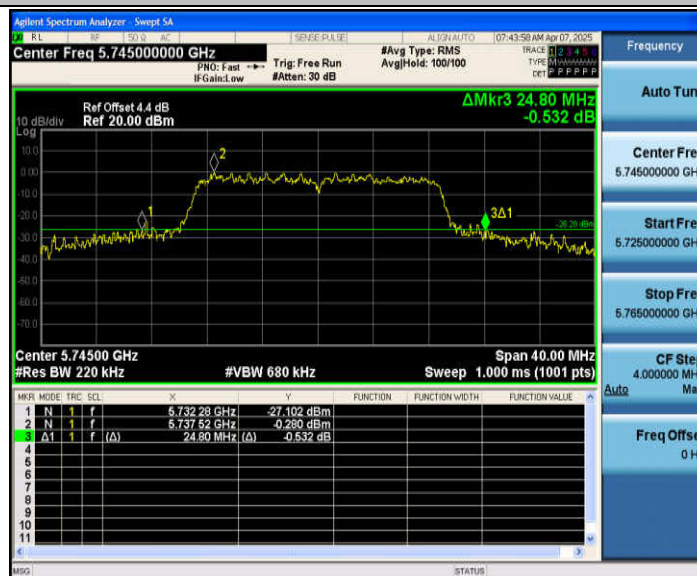




11AC20SISO_Ant1_5240



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

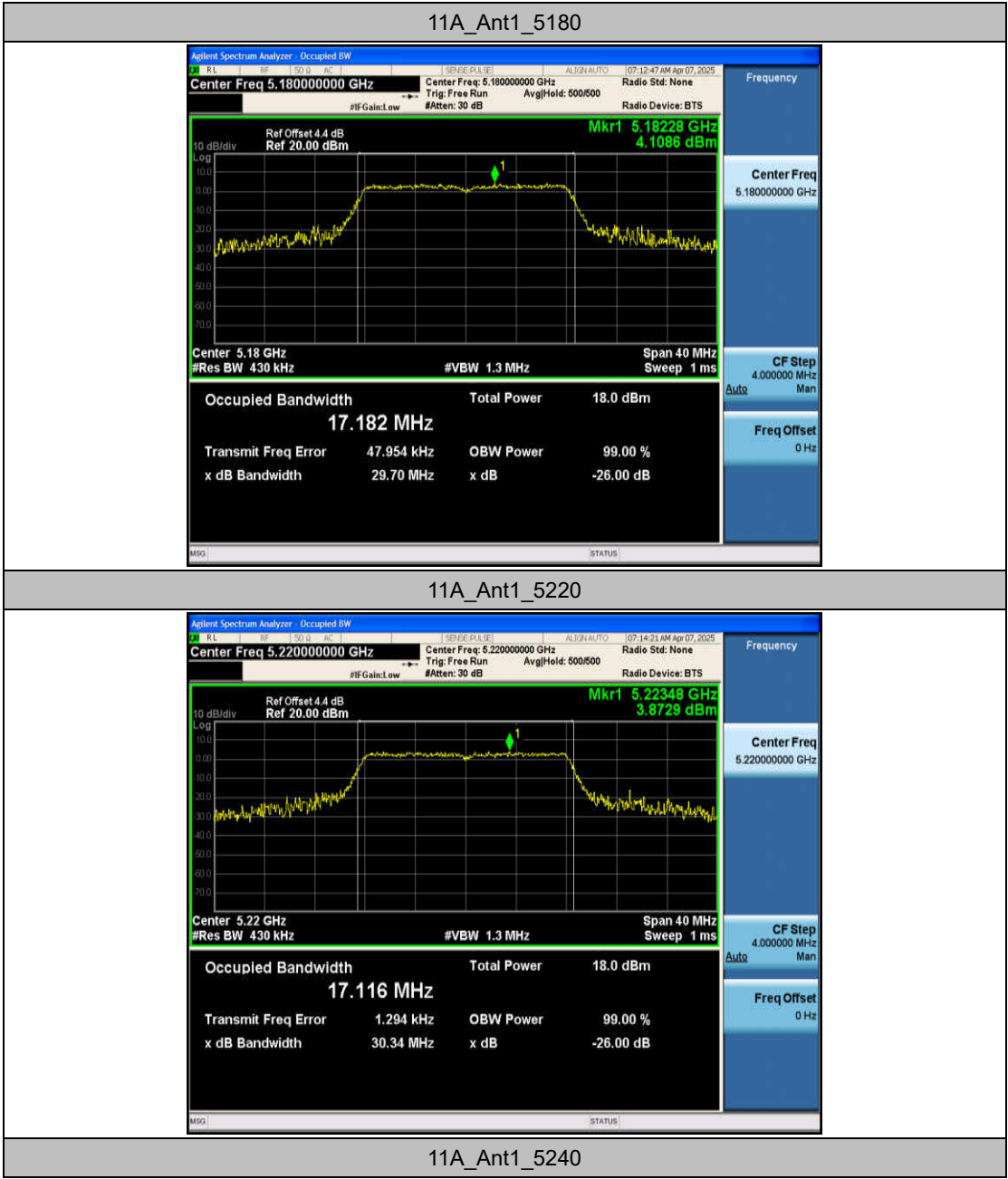


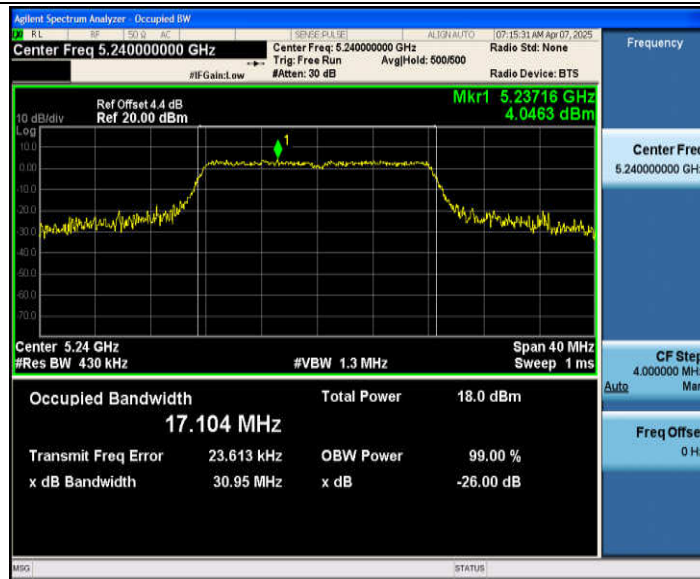
Appendix A2: Occupied channel bandwidth

Test Result

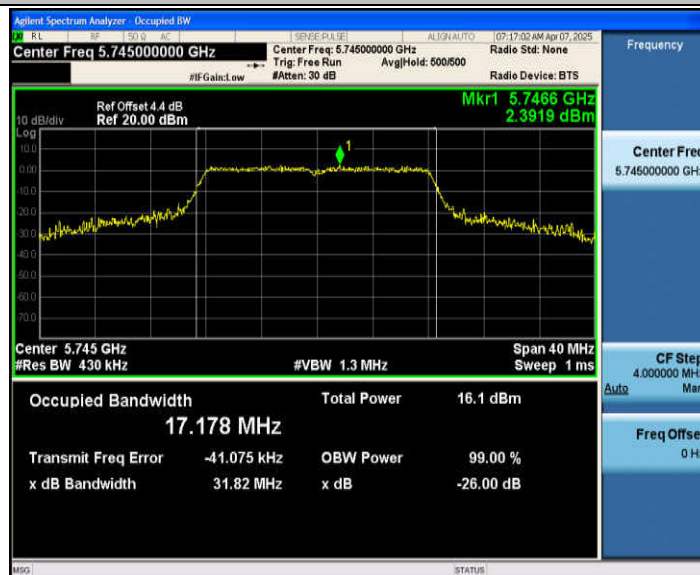
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.182	5171.4570	5188.6390	---	---
		5220	17.116	5211.4433	5228.5593	---	---
		5240	17.104	5231.4716	5248.5756	---	---
		5745	17.178	5736.3699	5753.5479	---	---
		5785	17.162	5776.4344	5793.5964	---	---
		5825	17.097	5816.4794	5833.5764	---	---
11N20SISO	Ant1	5180	18.215	5170.9962	5189.2112	---	---
		5220	18.150	5210.9917	5229.1417	---	---
		5240	18.219	5230.9454	5249.1644	---	---
		5745	18.117	5735.9523	5754.0693	---	---
		5785	18.153	5775.9878	5794.1408	---	---
		5825	18.112	5815.9878	5834.0998	---	---
11N40SISO	Ant1	5190	36.771	5171.7666	5208.5376	---	---
		5230	36.748	5211.7457	5248.4937	---	---
		5755	36.586	5736.6707	5773.2567	---	---
		5795	36.519	5776.7917	5813.3107	---	---
11AC20SISO	Ant1	5180	17.942	5171.0961	5189.0381	---	---
		5220	17.880	5211.0885	5228.9685	---	---
		5240	17.879	5231.0927	5248.9717	---	---
		5745	17.979	5735.9798	5753.9588	---	---
		5785	17.858	5776.0901	5793.9481	---	---
		5825	17.876	5816.1026	5833.9786	---	---
11AC40SISO	Ant1	5190	36.660	5171.8456	5208.5056	---	---
		5230	36.689	5211.8017	5248.4907	---	---
		5755	36.541	5736.7463	5773.2873	---	---
		5795	36.394	5776.8933	5813.2873	---	---
11AX20SISO	Ant1	5180	17.896	5171.1199	5189.0159	---	---
		5220	17.876	5211.1085	5228.9845	---	---
		5240	17.894	5231.0733	5248.9673	---	---
		5745	17.943	5736.0015	5753.9445	---	---
		5785	17.959	5776.0119	5793.9709	---	---
		5825	17.900	5816.0613	5833.9613	---	---
11AX40SISO	Ant1	5190	36.688	5171.8464	5208.5344	---	---
		5230	36.657	5211.7678	5248.4248	---	---
		5755	36.452	5736.7603	5773.2123	---	---
		5795	36.415	5776.8506	5813.2656	---	---

Test Graphs

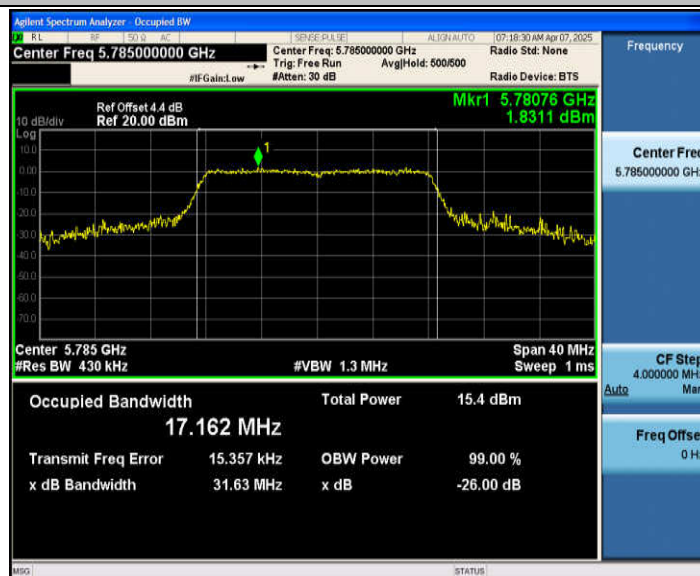




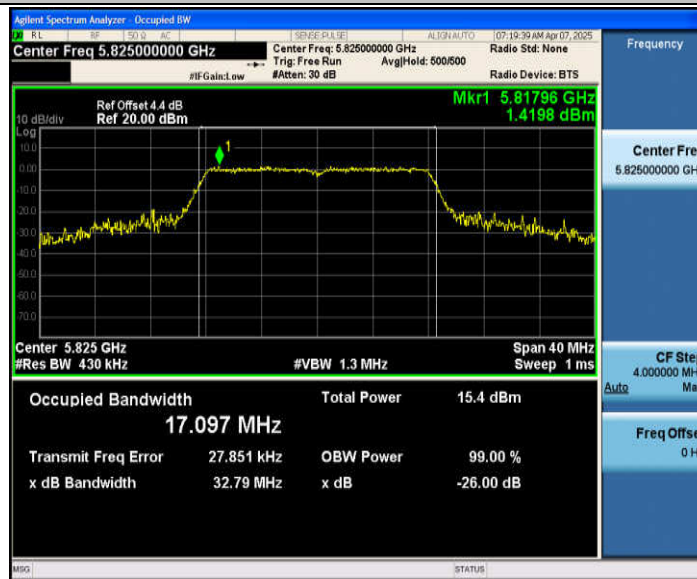
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



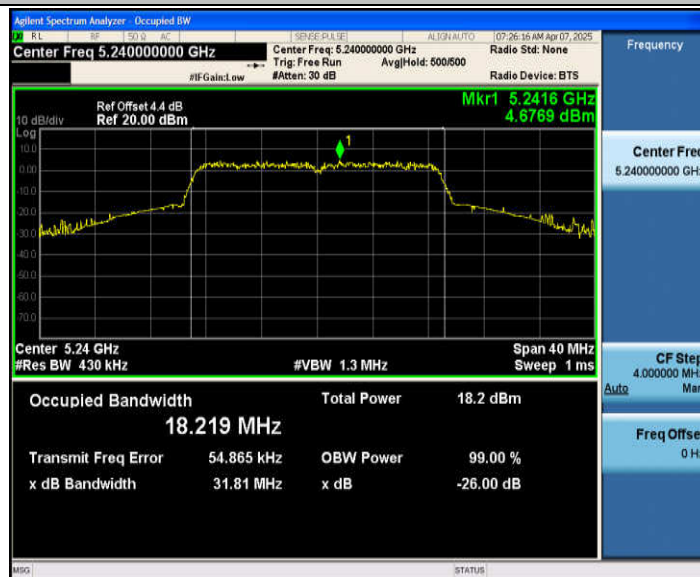
11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



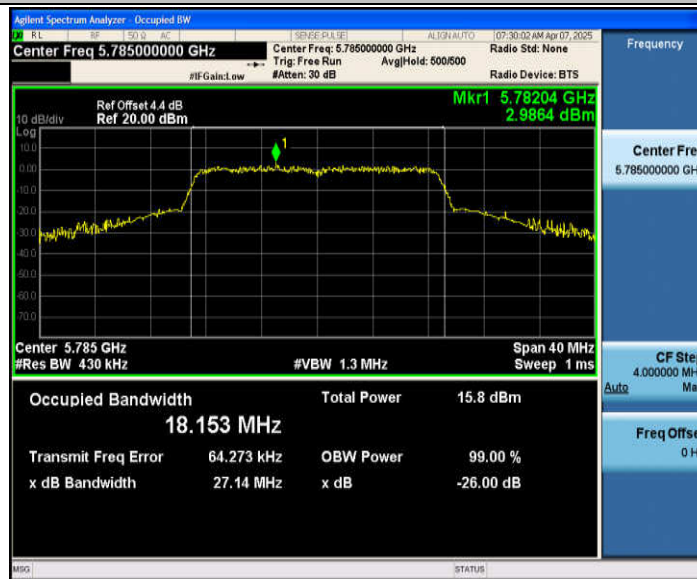
11N20SISO_Ant1_5240



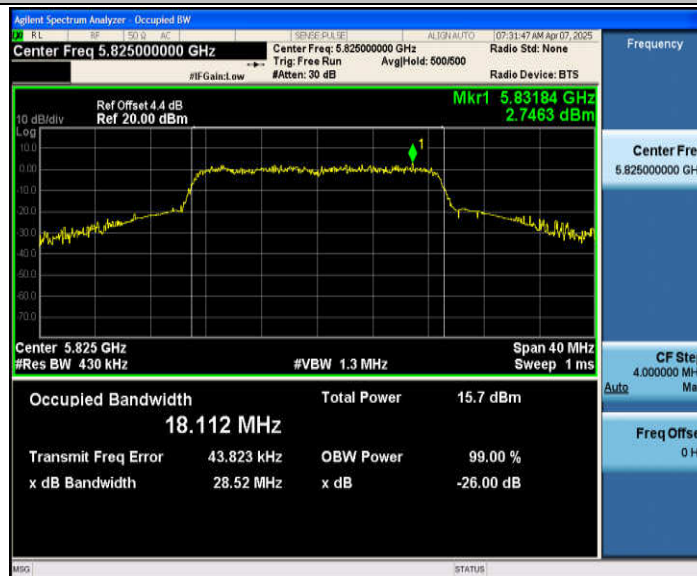
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



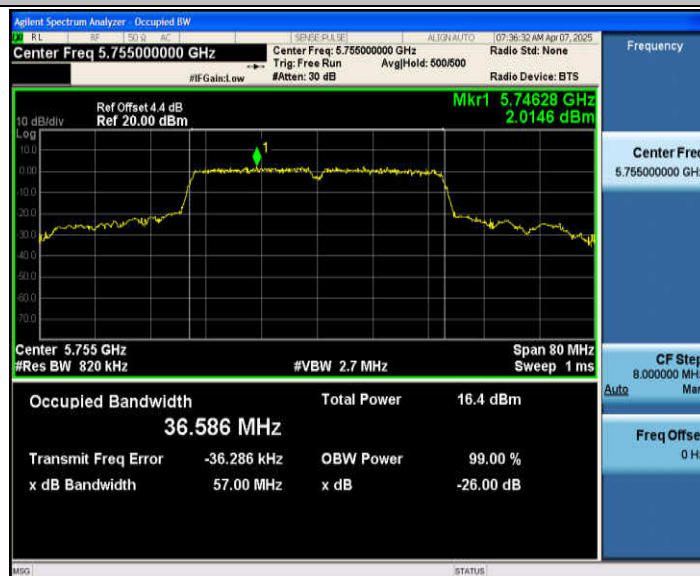
11N40SISO_Ant1_5190



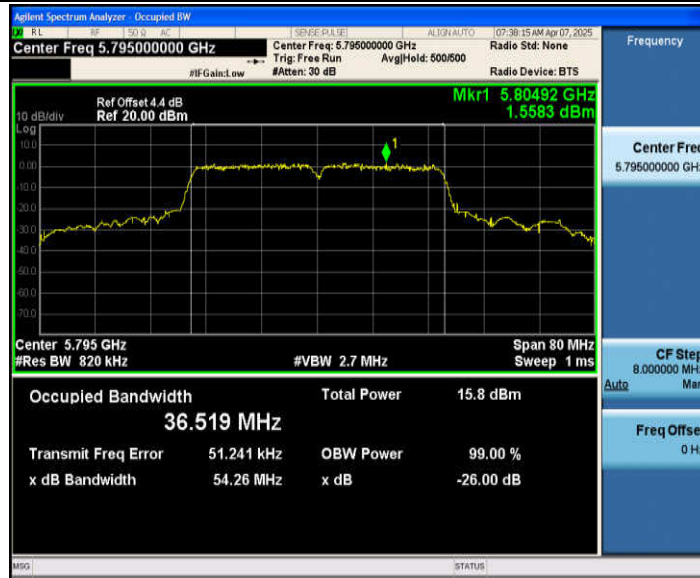
11N40SISO_Ant1_5230



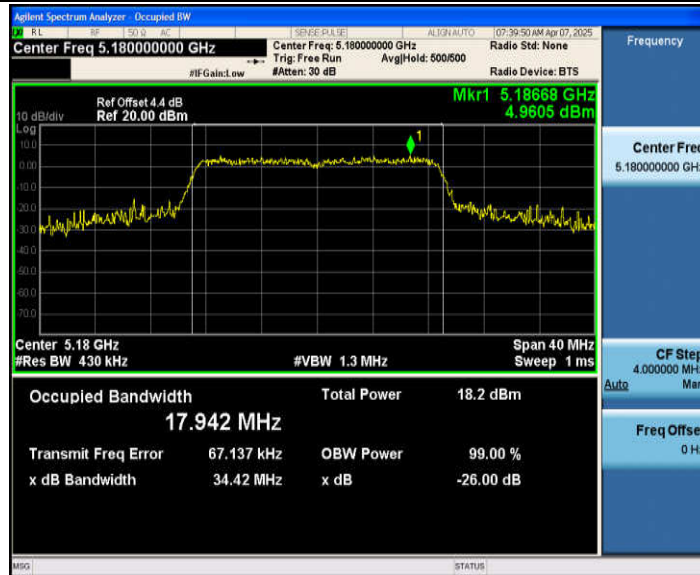
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



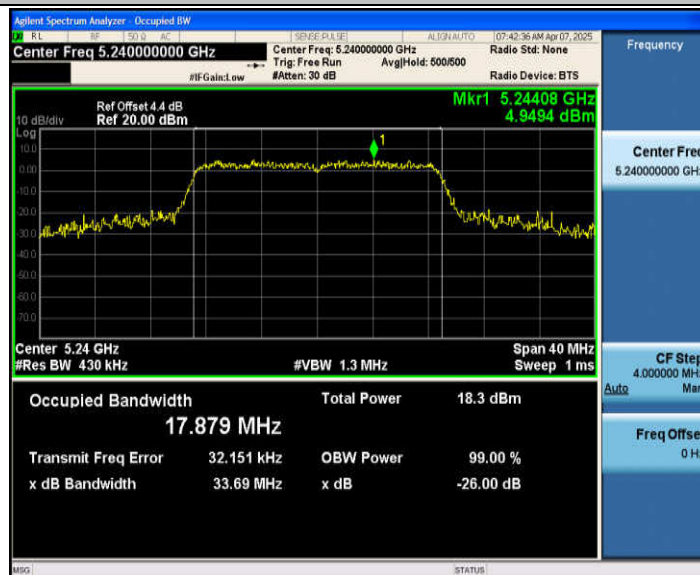
11AC20SISO_Ant1_5180



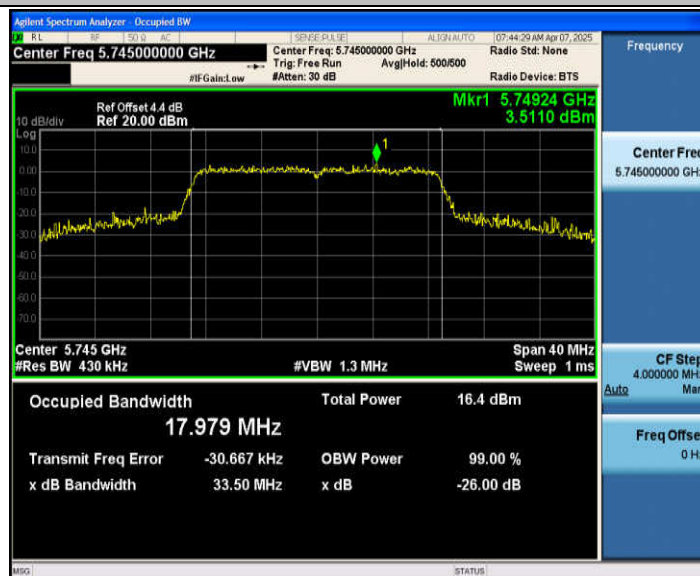
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



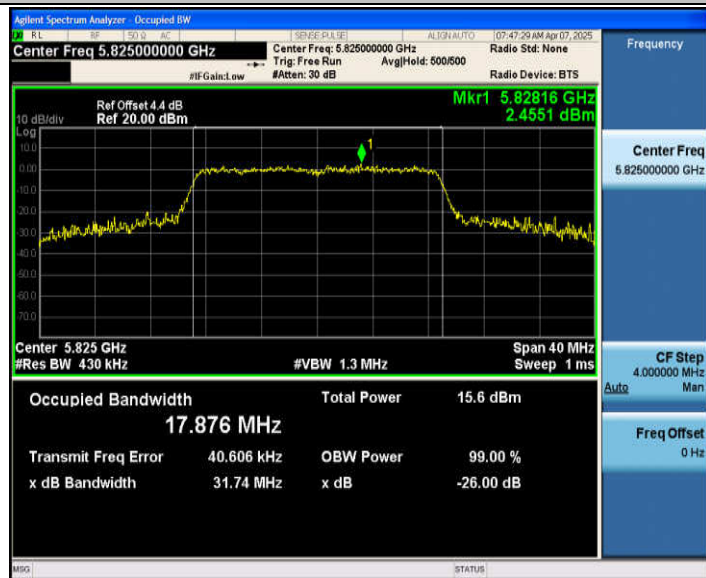
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



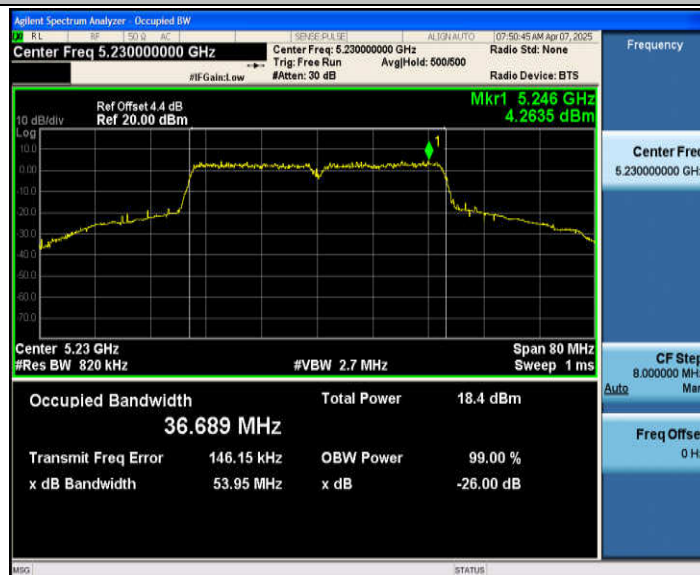
11AC20SISO_Ant1_5825



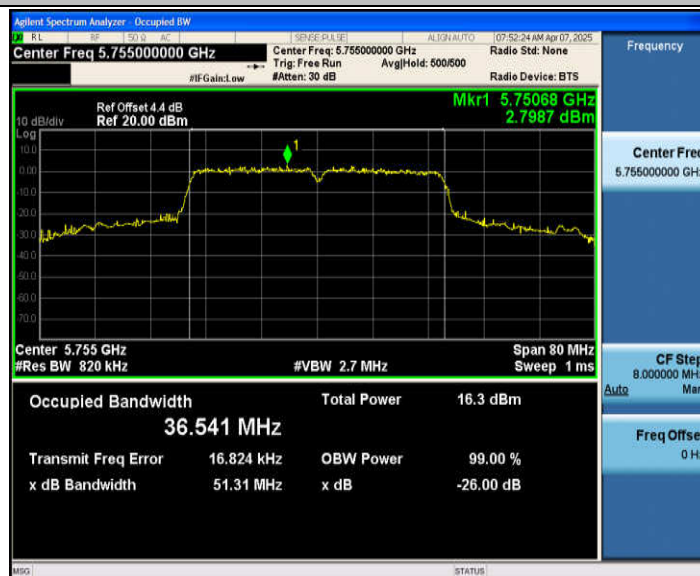
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

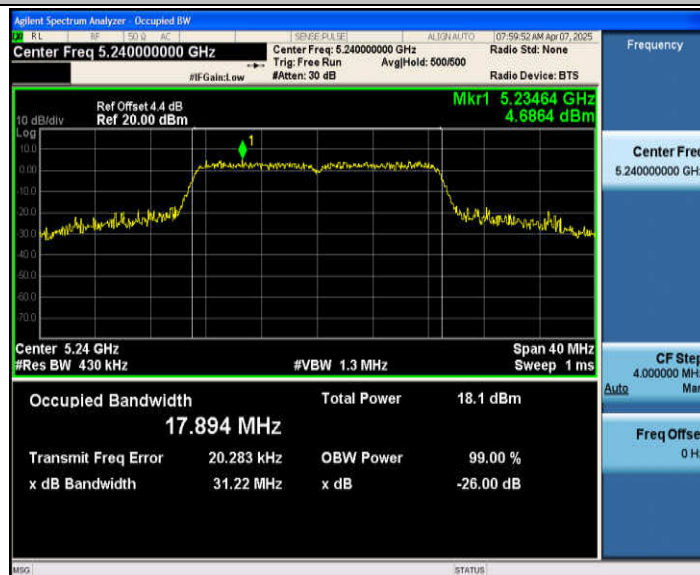


11AC40SISO_Ant1_5755

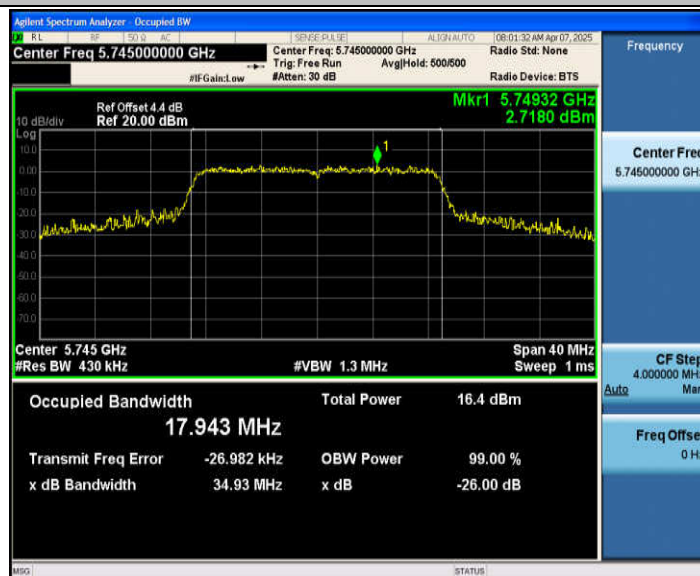




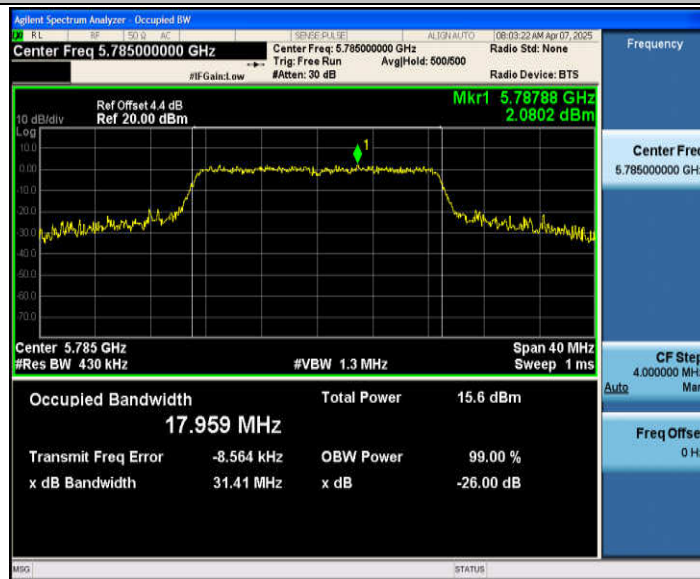
11AX20SISO_Ant1_5240



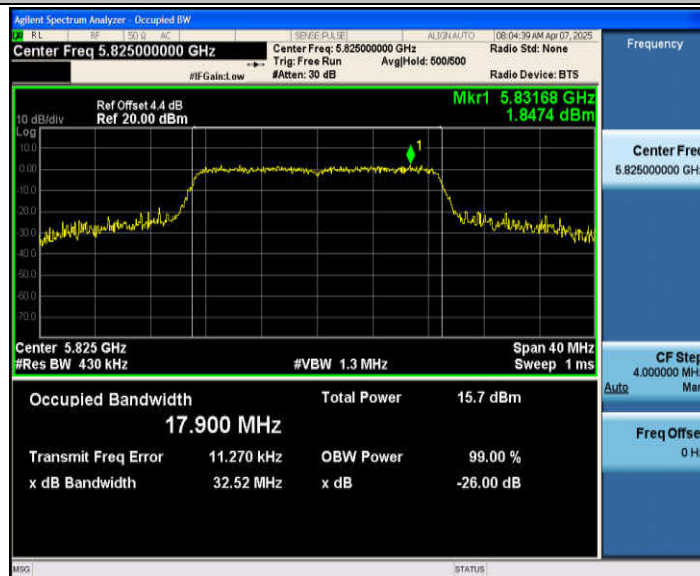
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



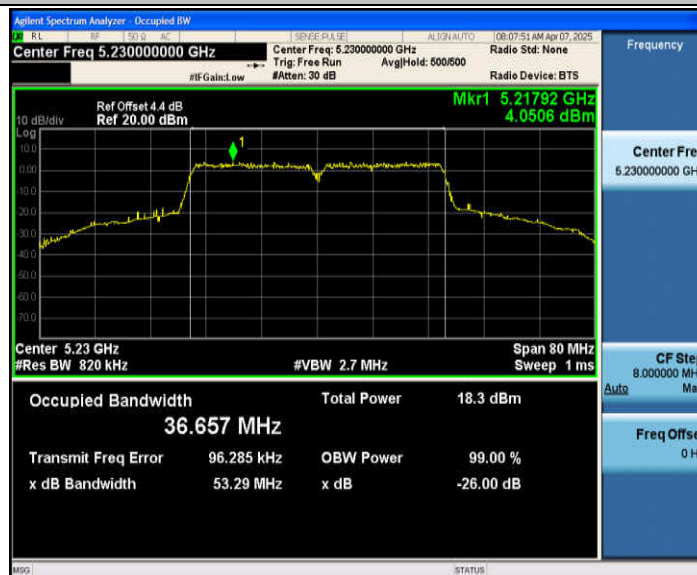
11AX20SISO_Ant1_5825



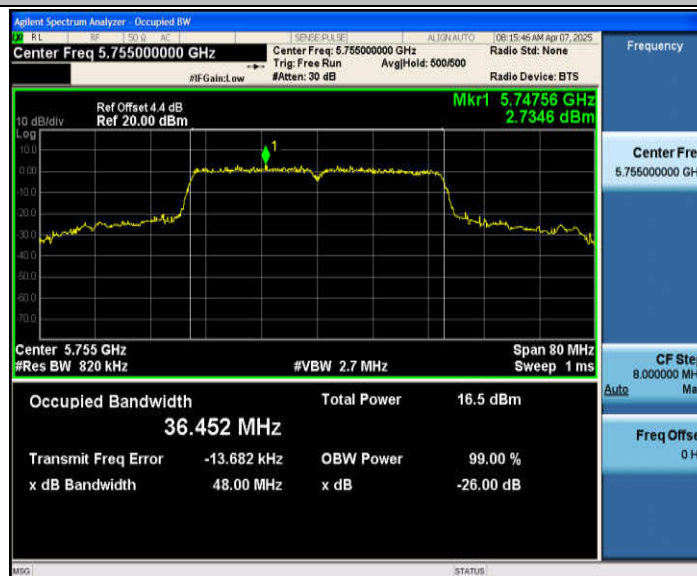
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

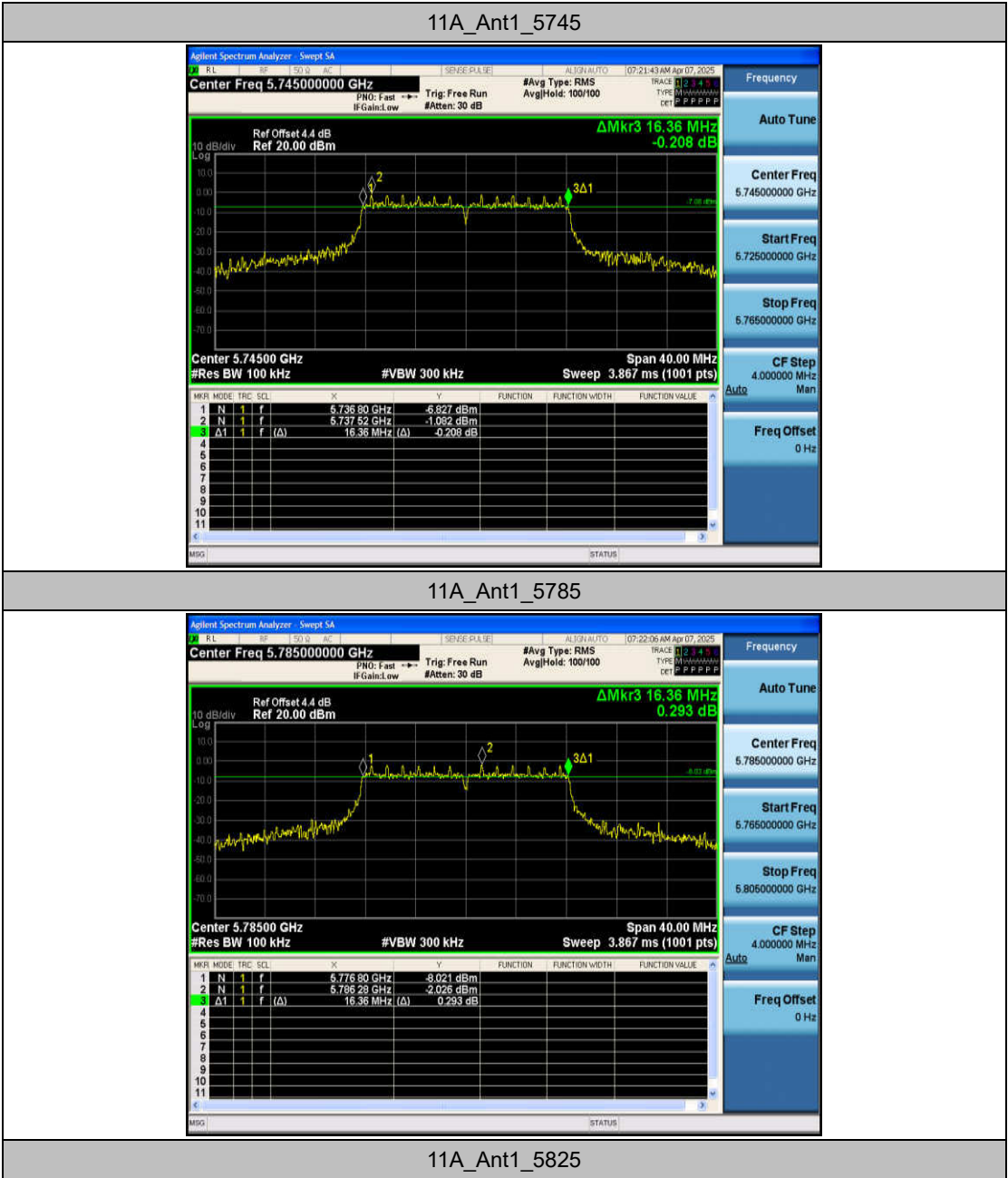


Appendix A3: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	16.840	5736.480	5753.320	0.5	PASS
		5785	16.920	5776.600	5793.520	0.5	PASS
		5825	17.000	5816.640	5833.640	0.5	PASS
11N40SISO	Ant1	5755	35.280	5737.320	5772.600	0.5	PASS
		5795	35.200	5777.400	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	16.680	5736.520	5753.200	0.5	PASS
		5785	17.000	5776.520	5793.520	0.5	PASS
		5825	17.120	5816.440	5833.560	0.5	PASS
11AC40SISO	Ant1	5755	35.360	5737.240	5772.600	0.5	PASS
		5795	35.680	5777.400	5813.080	0.5	PASS
11AX20SISO	Ant1	5745	16.840	5736.640	5753.480	0.5	PASS
		5785	16.960	5776.440	5793.400	0.5	PASS
		5825	16.960	5816.520	5833.480	0.5	PASS
11AX40SISO	Ant1	5755	35.360	5737.240	5772.600	0.5	PASS
		5795	35.200	5777.400	5812.600	0.5	PASS

Test Graphs B4





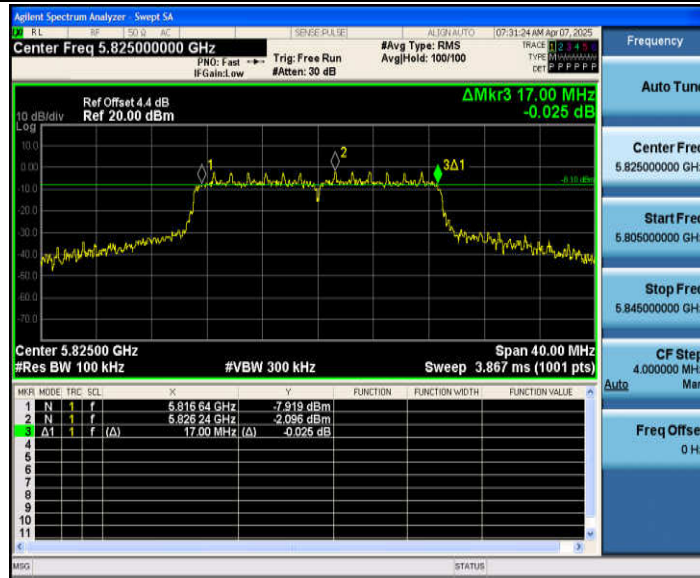
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



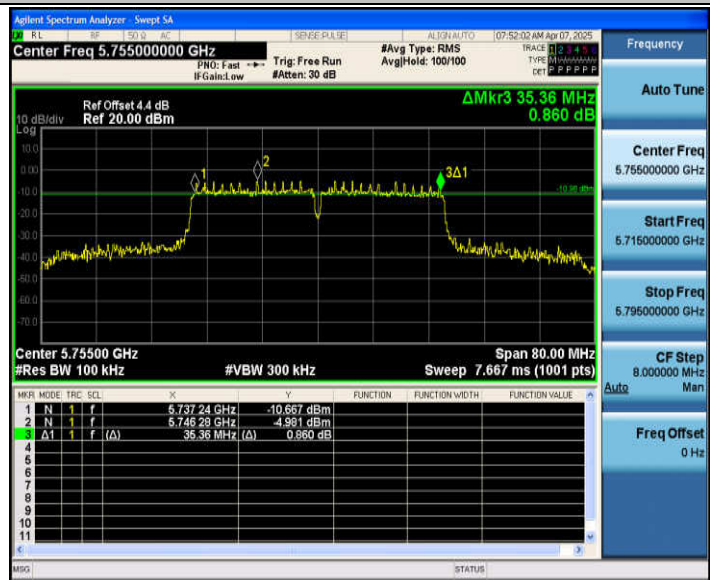
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



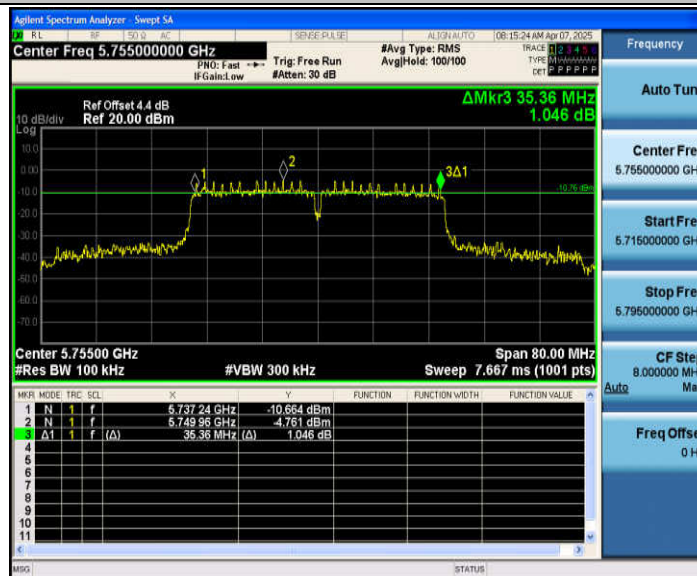
11AX20SISO_Ant1_5785



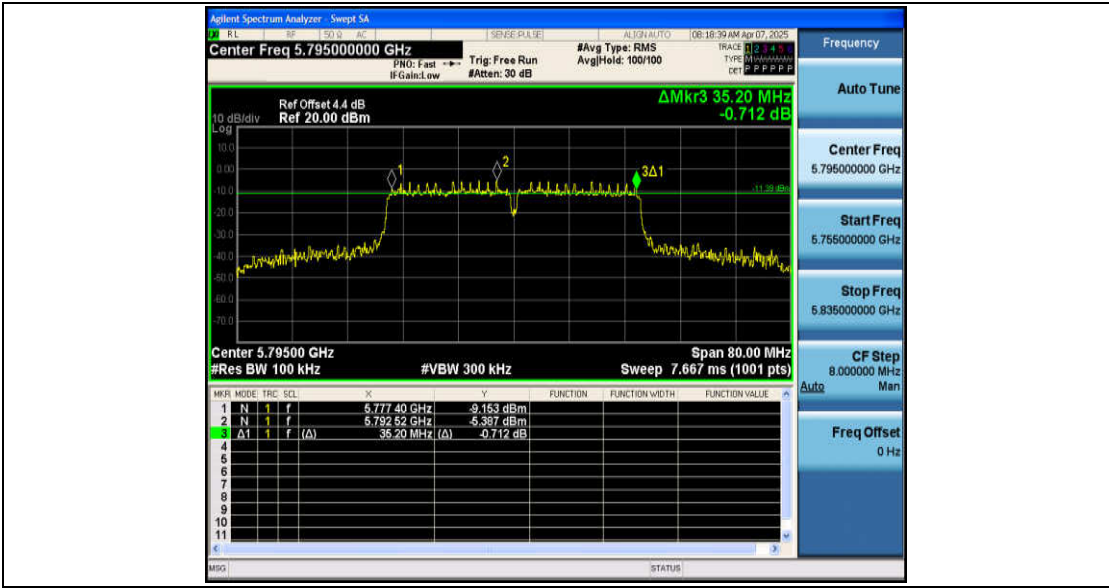
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



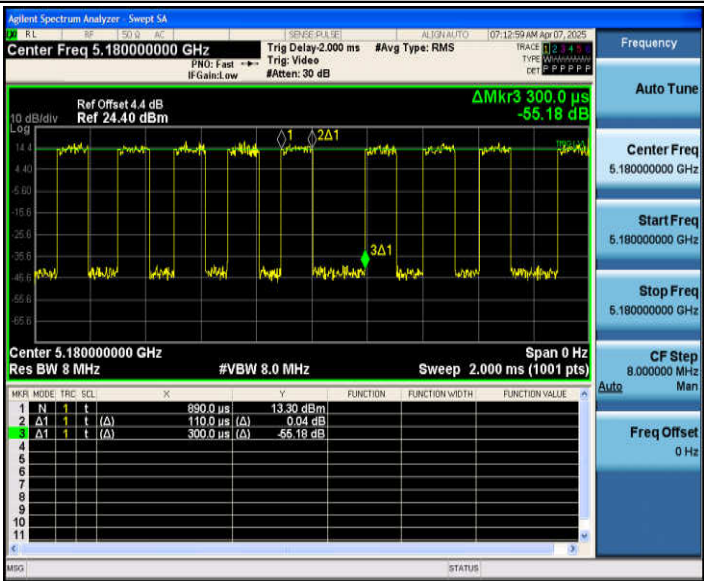
Appendix B: Duty Cycle

Test Result

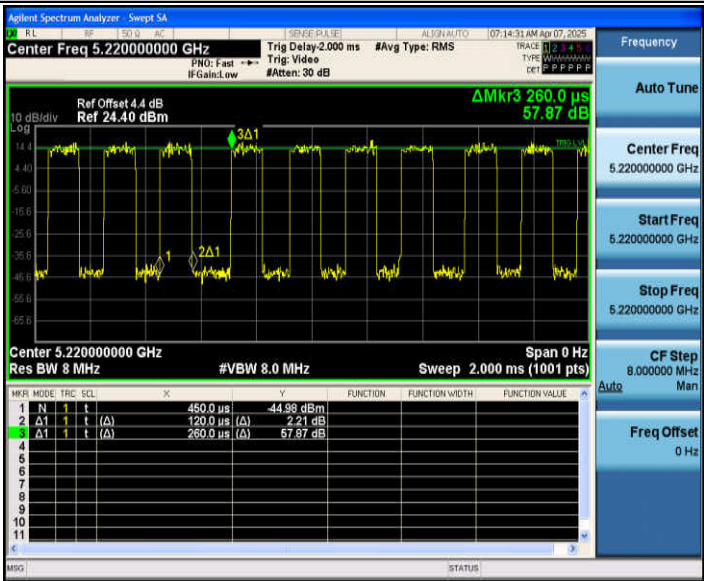
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5180	0.11	0.30	36.67	4.36	---	---
		5220	0.12	0.26	46.15	3.36	---	---
		5240	0.11	0.25	44.00	3.57	---	---
		5745	0.11	0.28	39.29	4.06	---	---
		5785	0.11	0.31	35.48	4.50	---	---
		5825	0.12	0.33	36.36	4.39	---	---
11N20SISO	Ant1	5180	0.11	0.32	34.38	4.64	---	---
		5220	0.11	0.30	36.67	4.36	---	---
		5240	0.11	0.28	39.29	4.06	---	---
		5745	0.11	0.28	39.29	4.06	---	---
		5785	0.12	0.31	38.71	4.12	---	---
		5825	0.11	0.28	39.29	4.06	---	---
11N40SISO	Ant1	5190	0.07	0.27	25.93	5.86	---	---
		5230	0.07	0.27	25.93	5.86	---	---
		5755	0.07	0.22	31.82	4.97	---	---
		5795	0.07	0.24	29.17	5.35	---	---
11AC20SISO	Ant1	5180	0.12	0.29	41.38	3.83	---	---
		5220	0.11	0.28	39.29	4.06	---	---
		5240	0.12	0.24	50.00	3.01	---	---
		5745	0.12	0.29	41.38	3.83	---	---
		5785	0.12	0.29	41.38	3.83	---	---
		5825	0.12	0.30	40.00	3.98	---	---
11AC40SISO	Ant1	5190	0.08	0.25	32.00	4.95	---	---
		5230	0.08	0.25	32.00	4.95	---	---
		5755	0.08	0.23	34.78	4.59	---	---
		5795	0.08	0.29	27.59	5.59	---	---
11AX20SISO	Ant1	5180	0.12	0.32	37.50	4.26	---	---
		5220	0.11	0.22	50.00	3.01	---	---
		5240	0.12	0.30	40.00	3.98	---	---
		5745	0.12	0.29	41.38	3.83	---	---
		5785	0.12	0.30	40.00	3.98	---	---
		5825	0.12	0.26	46.15	3.36	---	---
11AX40SISO	Ant1	5190	0.08	0.25	32.00	4.95	---	---
		5230	0.08	0.25	32.00	4.95	---	---
		5755	0.08	0.30	26.67	5.74	---	---
		5795	0.08	0.30	26.67	5.74	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



11A_Ant1_5240