

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	28.600	5168.280	5196.880	---	---
		5220	24.360	5207.400	5231.760	---	---
		5240	24.040	5225.600	5249.640	---	---
		5745	25.840	5731.760	5757.600	---	---
		5785	24.080	5772.800	5796.880	---	---
		5825	24.440	5814.720	5839.160	---	---
11N20SISO	Ant1	5180	24.360	5168.280	5192.640	---	---
		5220	24.960	5207.760	5232.720	---	---
		5240	25.360	5227.400	5252.760	---	---
		5745	28.000	5731.040	5759.040	---	---
		5785	28.520	5773.080	5801.600	---	---
		5825	27.560	5812.760	5840.320	---	---
11N40SISO	Ant1	5190	44.640	5168.880	5213.520	---	---
		5230	44.800	5207.680	5252.480	---	---
		5755	54.560	5723.800	5778.360	---	---
		5795	51.040	5768.840	5819.880	---	---
11AC20SISO	Ant1	5180	21.160	5170.160	5191.320	---	---
		5220	21.000	5208.840	5229.840	---	---
		5240	22.520	5228.680	5251.200	---	---
		5745	22.600	5733.040	5755.640	---	---
		5785	24.680	5771.960	5796.640	---	---
		5825	21.000	5814.280	5835.280	---	---
11AC40SISO	Ant1	5190	46.320	5170.480	5216.800	---	---
		5230	52.160	5206.720	5258.880	---	---
		5755	45.520	5730.680	5776.200	---	---
		5795	42.080	5775.480	5817.560	---	---
11AX20SISO	Ant1	5180	20.520	5169.720	5190.240	---	---
		5220	21.520	5208.640	5230.160	---	---
		5240	24.600	5227.480	5252.080	---	---
		5745	25.200	5733.040	5758.240	---	---
		5785	23.240	5774.400	5797.640	---	---
		5825	24.680	5814.400	5839.080	---	---
11AX40SISO	Ant1	5190	80.000	5150.000	5230.000	---	---
		5230	51.760	5207.120	5258.880	---	---
		5755	47.200	5728.920	5776.120	---	---
		5795	46.800	5775.000	5821.800	---	---

Test Graphs

11A_Ant1_5180



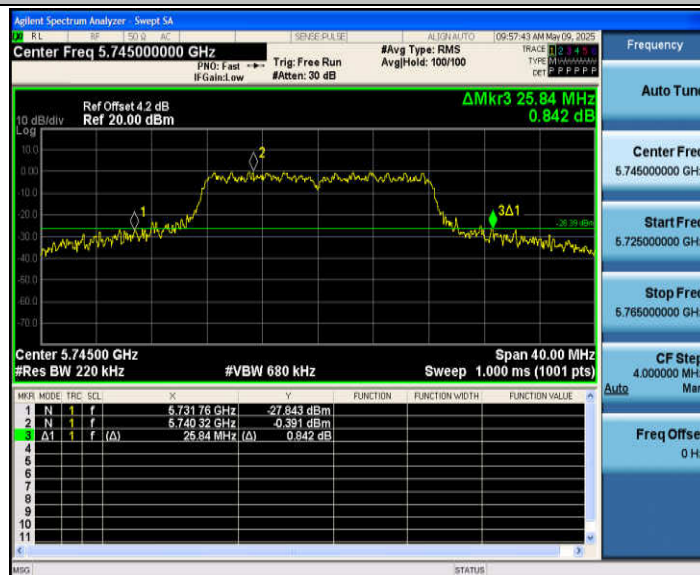
11A_Ant1_5220



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



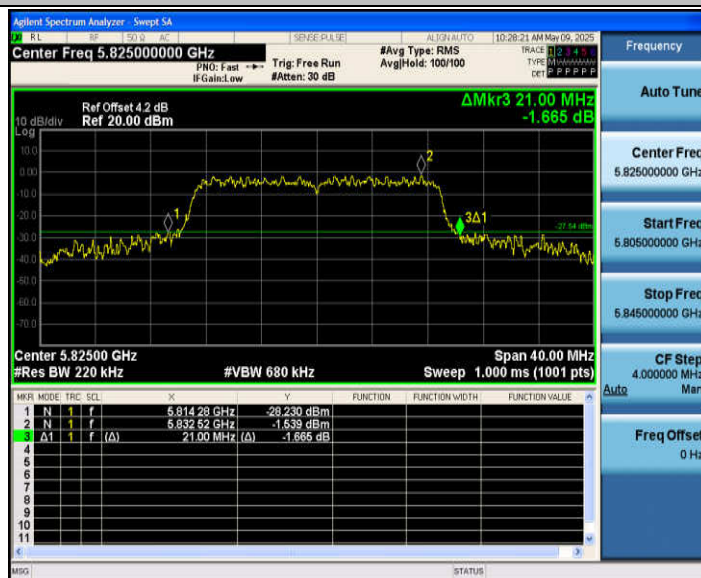
11AC20SISO_Ant1_5745



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



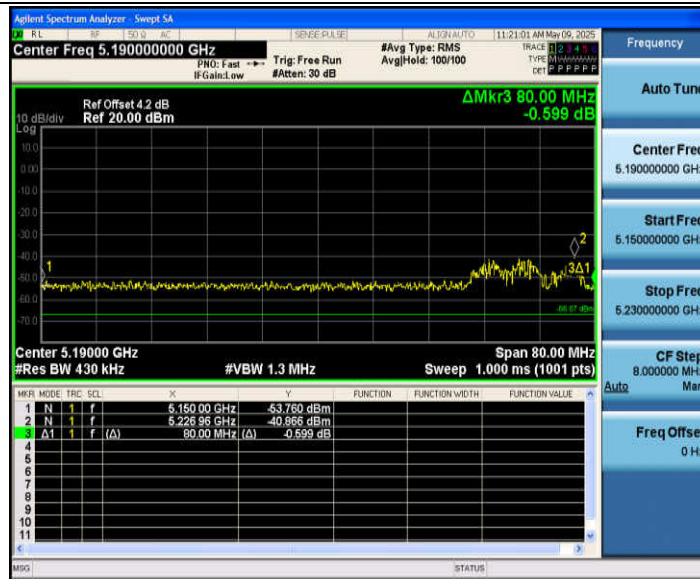
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



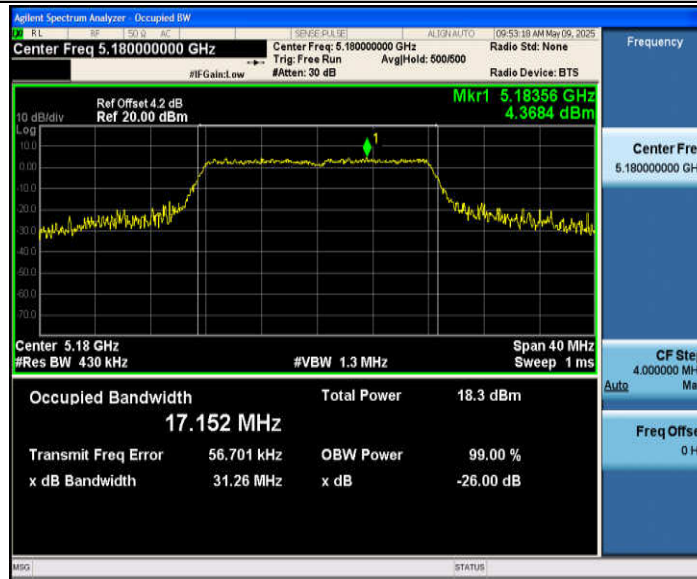
Appendix A2: Occupied channel bandwidth

Test Result

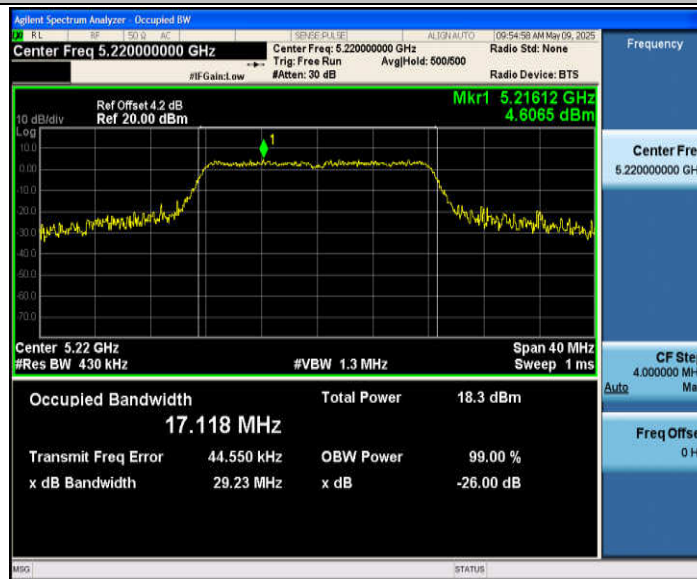
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.152	5171.4807	5188.6327	---	---
		5220	17.118	5211.4856	5228.6036	---	---
		5240	17.028	5231.5167	5248.5447	---	---
		5745	17.301	5736.3013	5753.6023	---	---
		5785	17.173	5776.4136	5793.5866	---	---
		5825	17.109	5816.4771	5833.5861	---	---
11N20SISO	Ant1	5180	18.186	5170.9892	5189.1752	---	---
		5220	18.160	5211.0092	5229.1692	---	---
		5240	18.084	5230.9905	5249.0745	---	---
		5745	18.194	5735.9096	5754.1036	---	---
		5785	18.153	5775.9508	5794.1038	---	---
		5825	18.107	5816.0208	5834.1278	---	---
11N40SISO	Ant1	5190	36.779	5171.8155	5208.5945	---	---
		5230	36.761	5211.7182	5248.4792	---	---
		5755	36.538	5736.7492	5773.2872	---	---
		5795	36.537	5776.7917	5813.3287	---	---
11AC20SISO	Ant1	5180	17.907	5171.1146	5189.0216	---	---
		5220	17.873	5211.1105	5228.9835	---	---
		5240	17.926	5231.0562	5248.9822	---	---
		5745	17.960	5736.0127	5753.9727	---	---
		5785	17.890	5776.0719	5793.9619	---	---
		5825	17.887	5816.0672	5833.9542	---	---
11AC40SISO	Ant1	5190	36.716	5171.8340	5208.5500	---	---
		5230	36.686	5211.8079	5248.4939	---	---
		5755	36.451	5736.8070	5773.2580	---	---
		5795	36.395	5776.8288	5813.2238	---	---
11AX20SISO	Ant1	5180	17.877	5171.1167	5188.9937	---	---
		5220	17.878	5211.1085	5228.9865	---	---
		5240	17.858	5231.0918	5248.9498	---	---
		5745	17.979	5735.9801	5753.9591	---	---
		5785	17.946	5776.0307	5793.9767	---	---
		5825	17.865	5816.1027	5833.9677	---	---
11AX40SISO	Ant1	5190	36.732	5171.8533	5208.5853	---	---
		5230	36.736	5211.7405	5248.4765	---	---
		5755	36.431	5736.7891	5773.2201	---	---
		5795	36.403	5776.8686	5813.2716	---	---

Test Graphs

11A_Ant1_5180



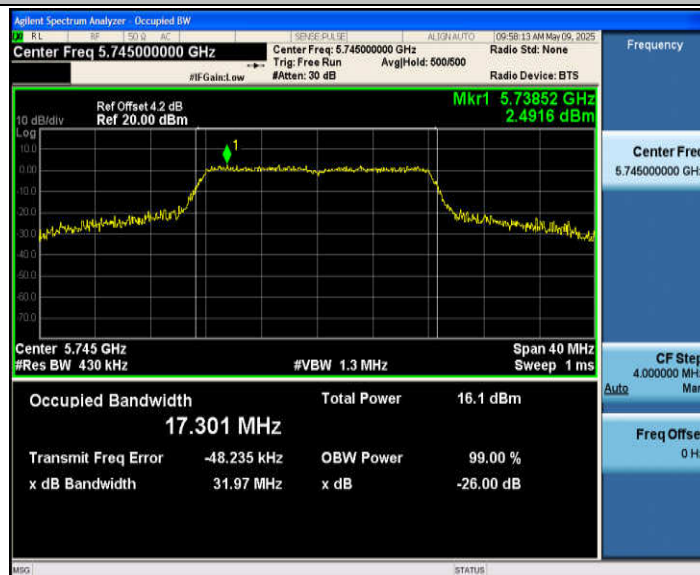
11A_Ant1_5220



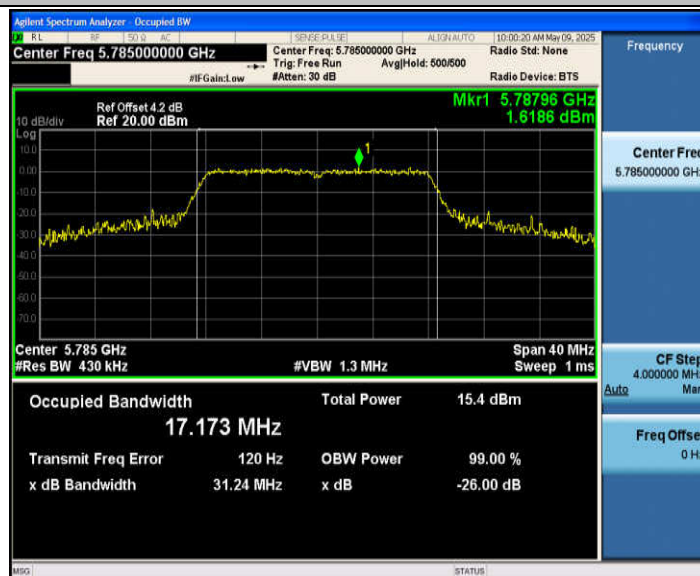
11A_Ant1_5240



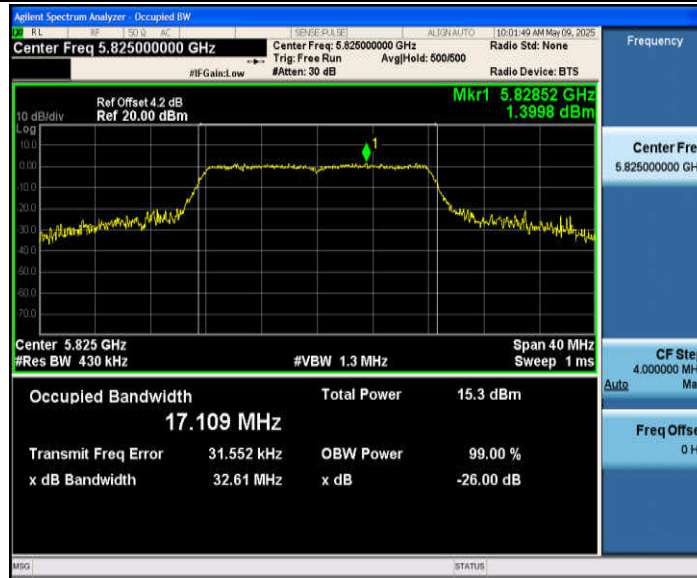
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180



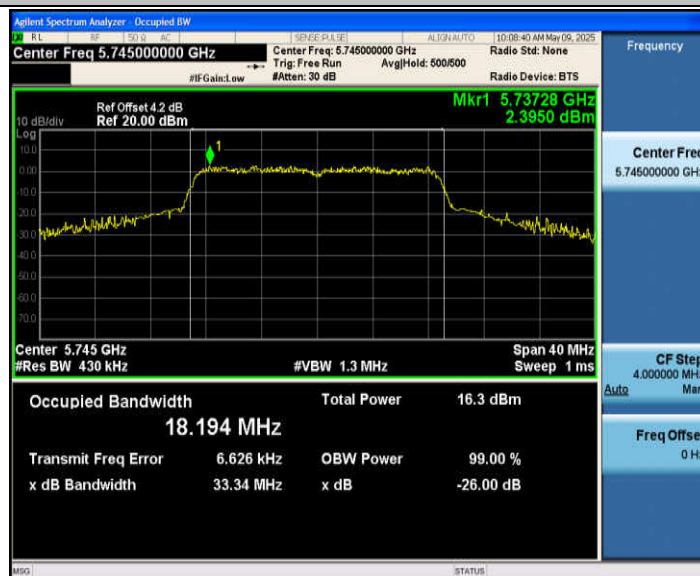
11N20SISO_Ant1_5220



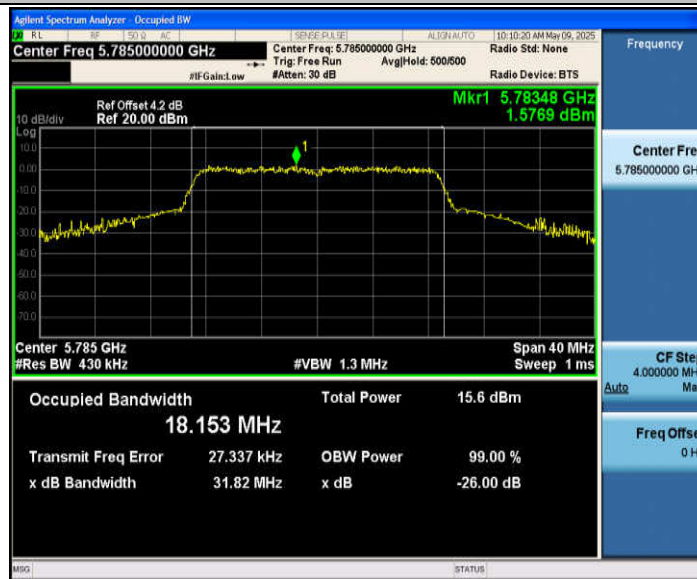
11N20SISO_Ant1_5240



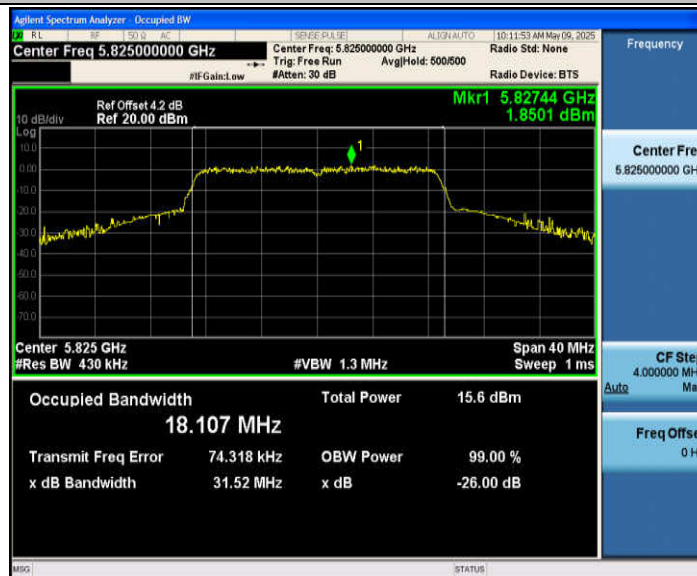
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



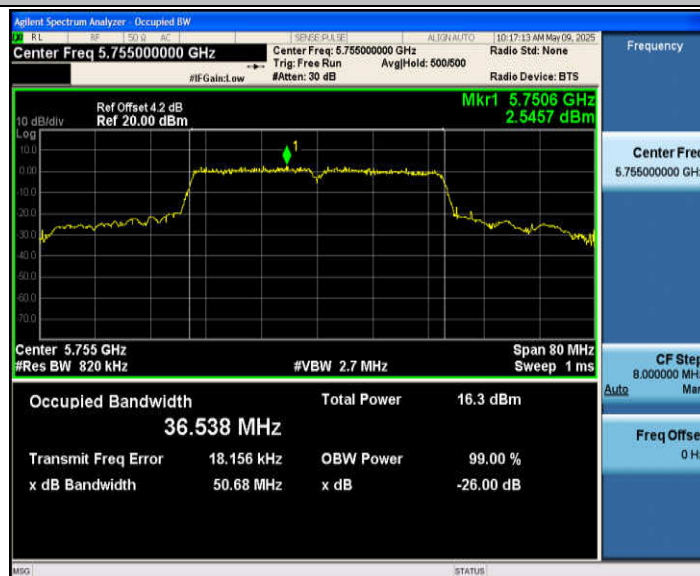
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



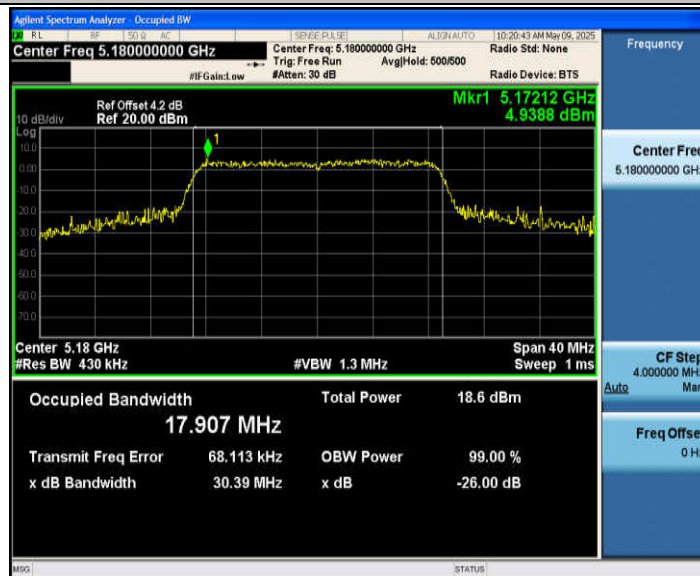
11N40SISO_Ant1_5755



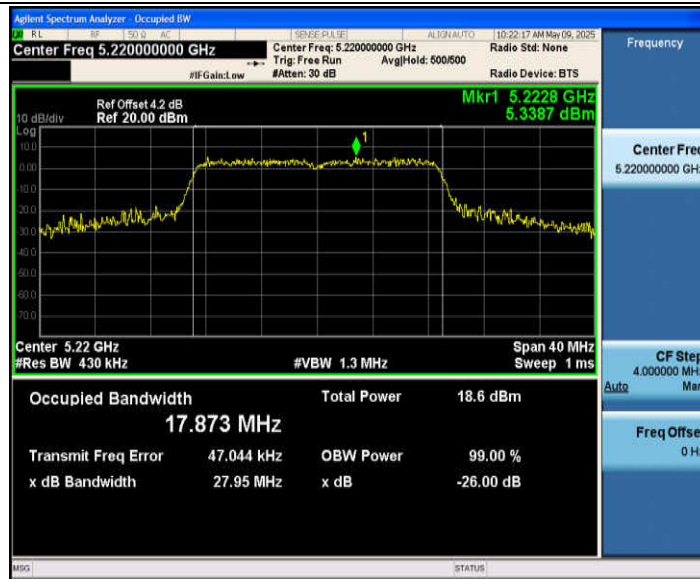
11N40SISO_Ant1_5795



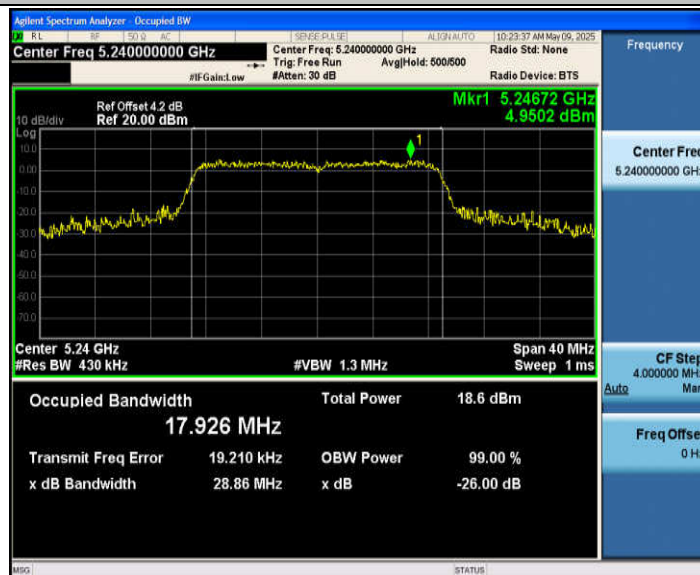
11AC20SISO_Ant1_5180



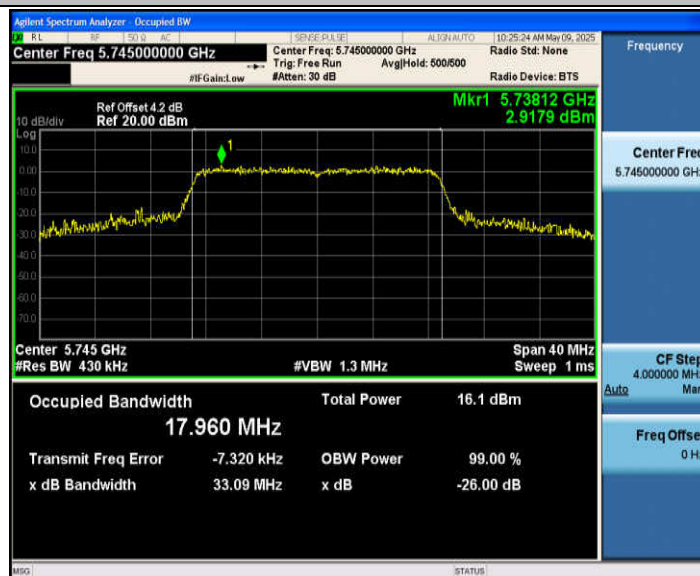
11AC20SISO_Ant1_5220



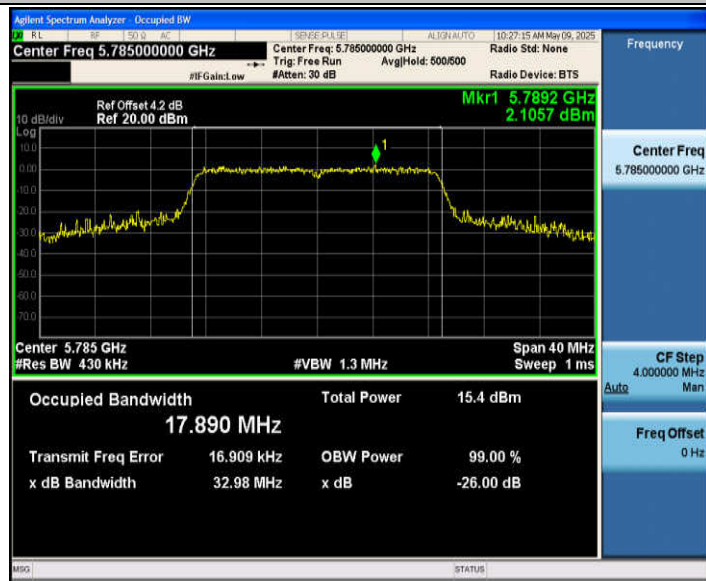
11AC20SISO_Ant1_5240



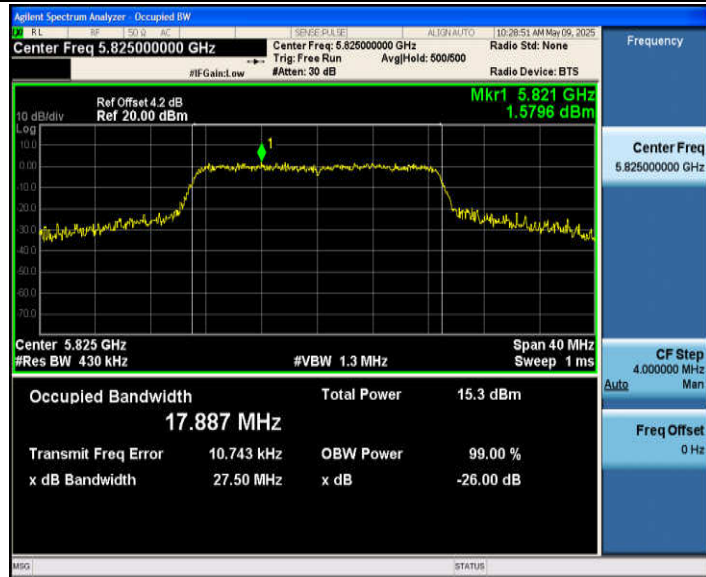
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



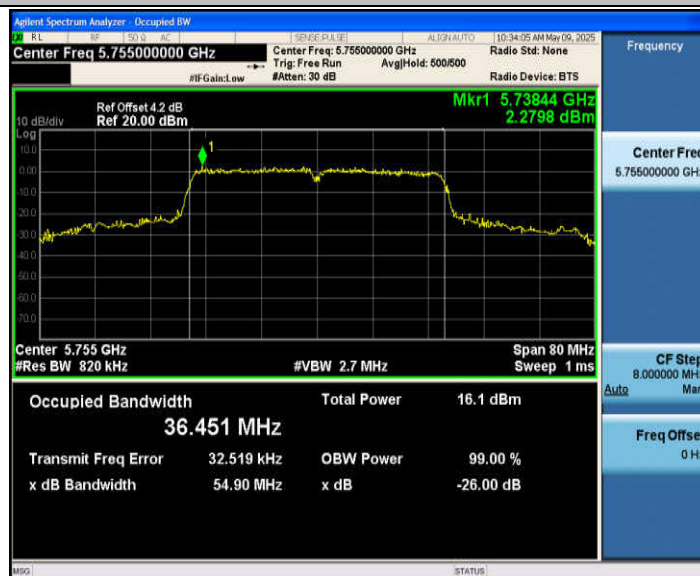
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



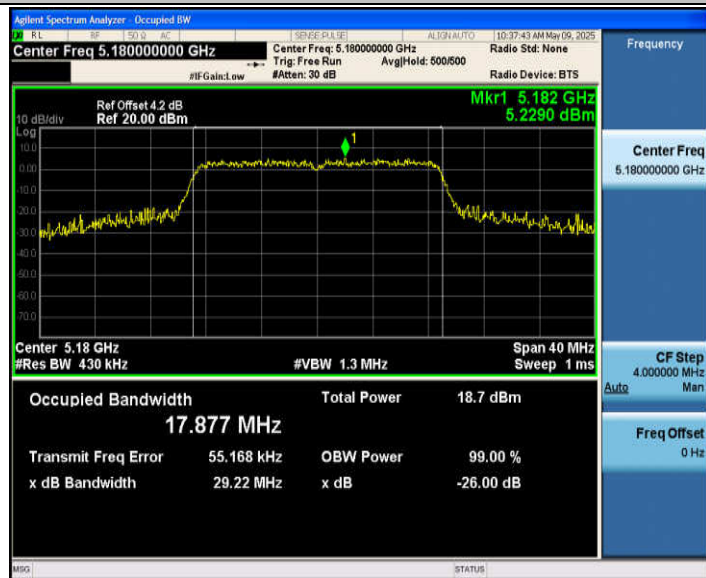
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



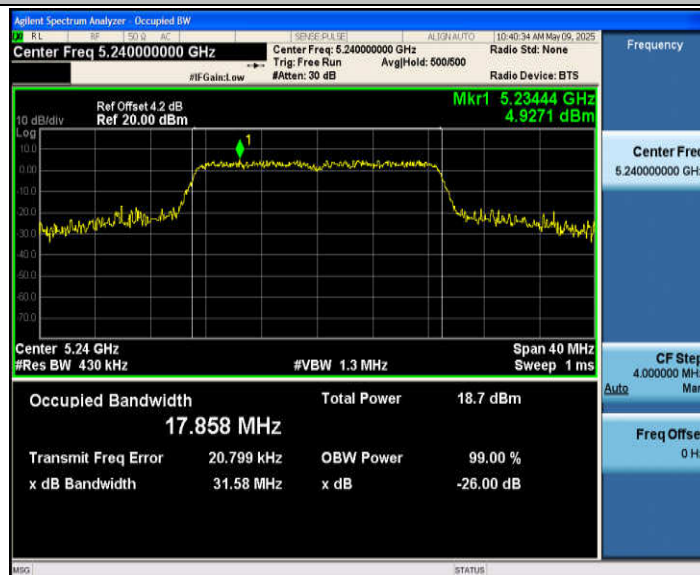
11AX20SISO_Ant1_5180



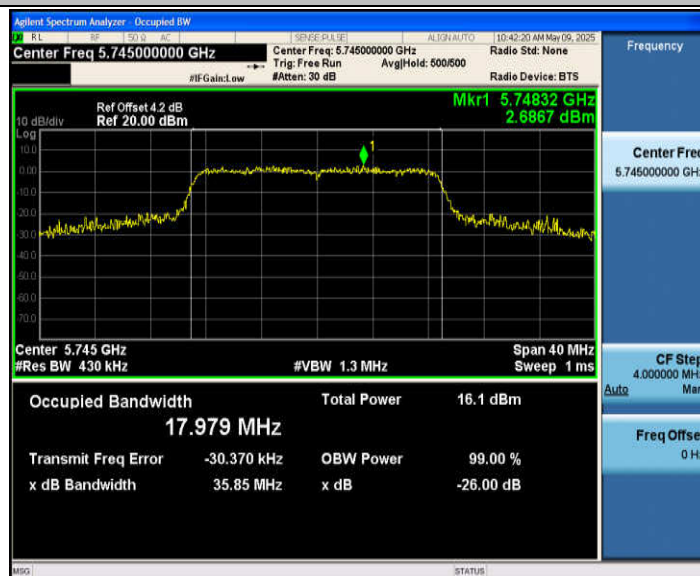
11AX20SISO_Ant1_5220



11AX20SISO_Ant1_5240



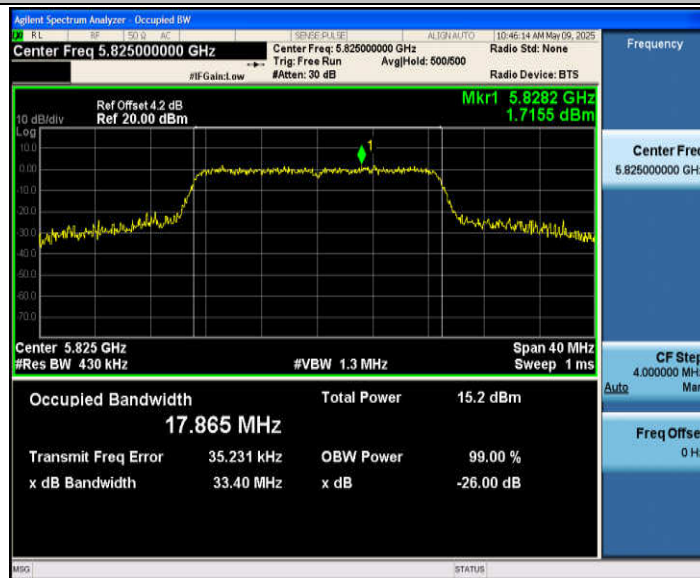
11AX20SISO_Ant1_5745



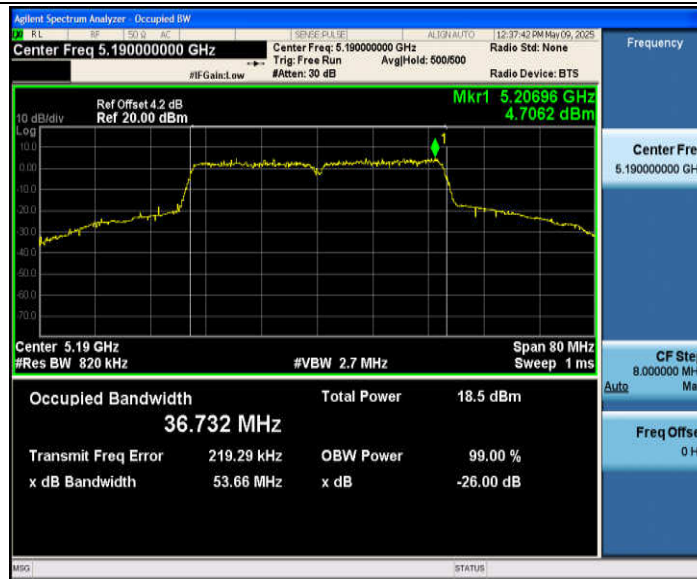
11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



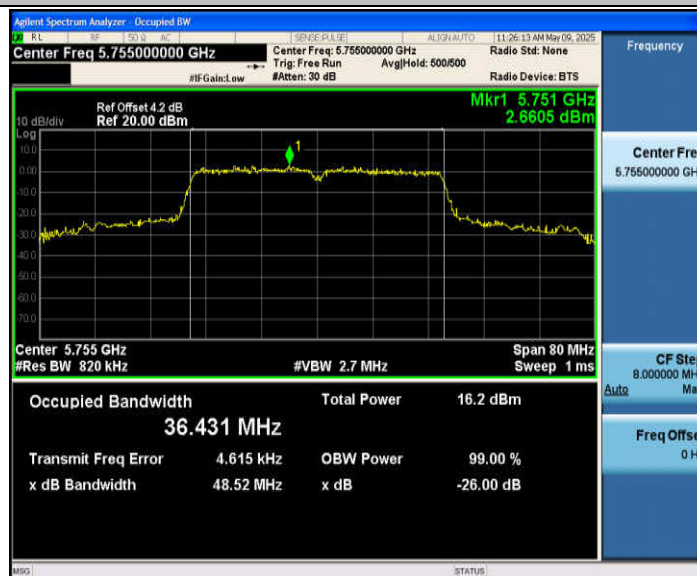
11AX40SISO_Ant1_5190



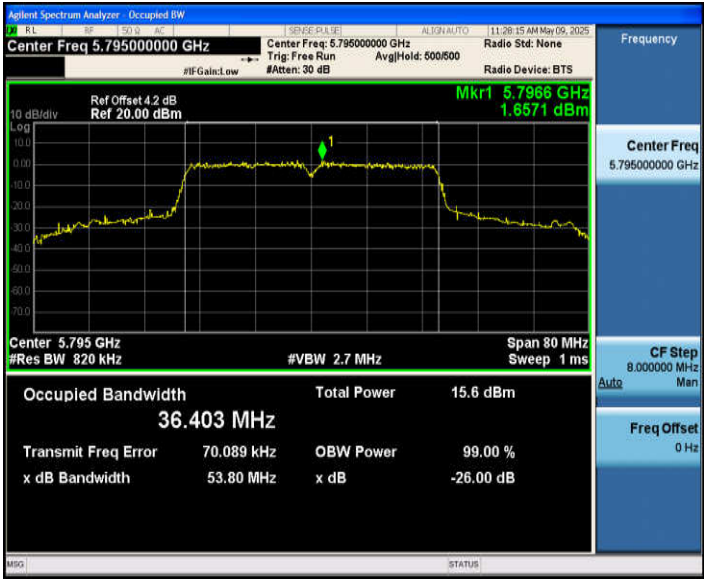
11AX40SISO_Ant1_5230



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	5816.840	5833.120	0.5	PASS
11N20SISO	Ant1	5745	16.880	5736.640	5753.520	0.5	PASS
		5785	17.160	5776.440	5793.600	0.5	PASS
		5825	16.800	5816.520	5833.320	0.5	PASS
11N40SISO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
		5795	35.520	5777.080	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	16.800	5736.520	5753.320	0.5	PASS
		5785	16.880	5776.480	5793.360	0.5	PASS
		5825	17.160	5816.480	5833.640	0.5	PASS
11AC40SISO	Ant1	5755	35.280	5737.240	5772.520	0.5	PASS
		5795	35.360	5777.240	5812.600	0.5	PASS
11AX20SISO	Ant1	5745	16.840	5736.400	5753.240	0.5	PASS
		5785	16.840	5776.520	5793.360	0.5	PASS
		5825	16.880	5816.640	5833.520	0.5	PASS
11AX40SISO	Ant1	5755	35.360	5737.240	5772.600	0.5	PASS
		5795	35.520	5777.080	5812.600	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



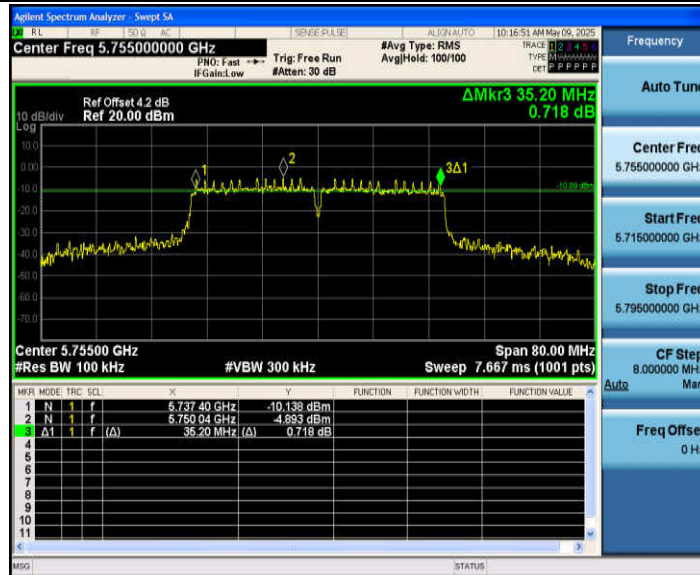
11N20SISO_Ant1_5785



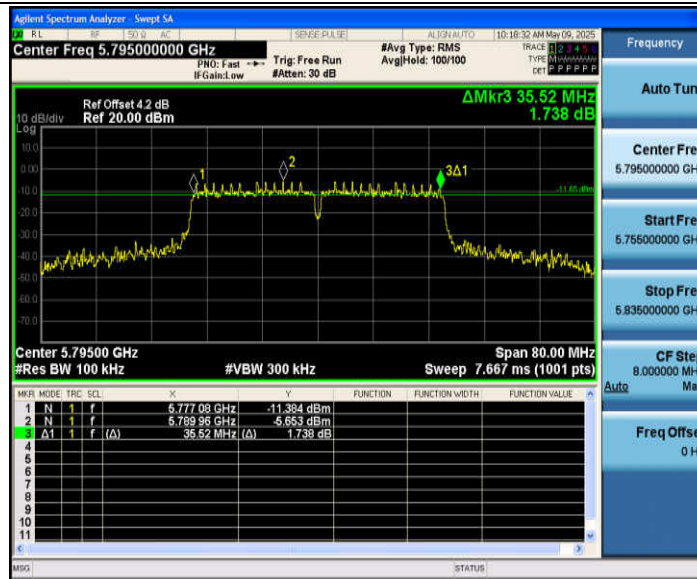
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



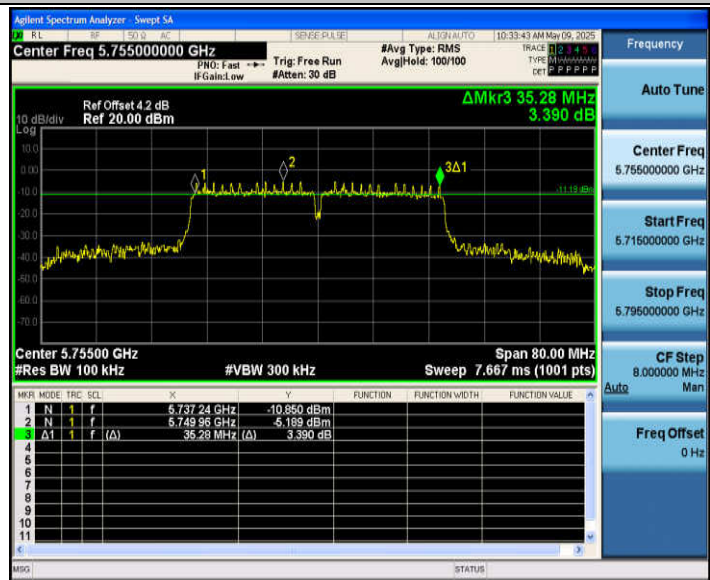
11AC20SISO_Ant1_5785



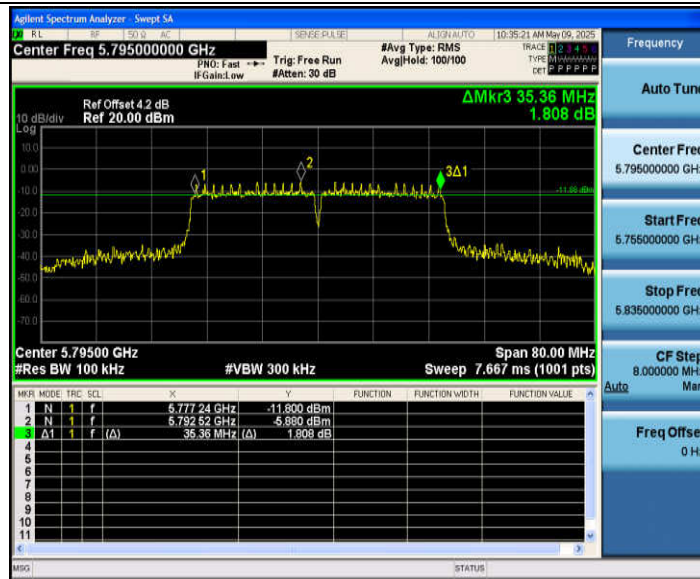
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



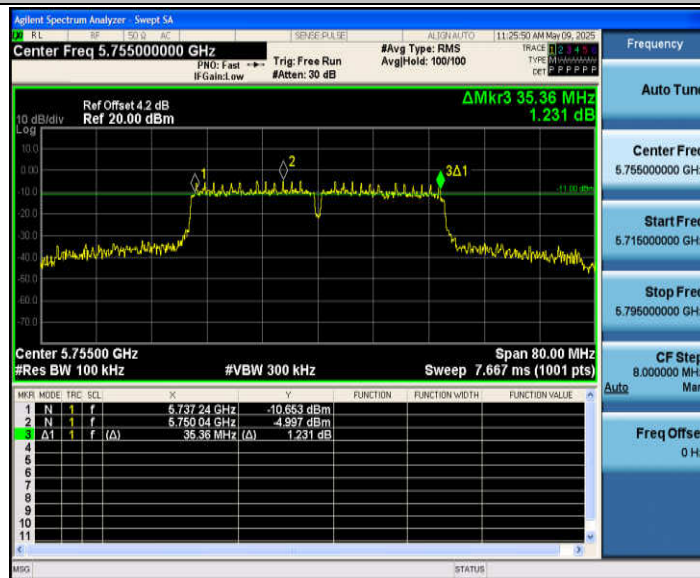
11AX20SISO_Ant1_5785



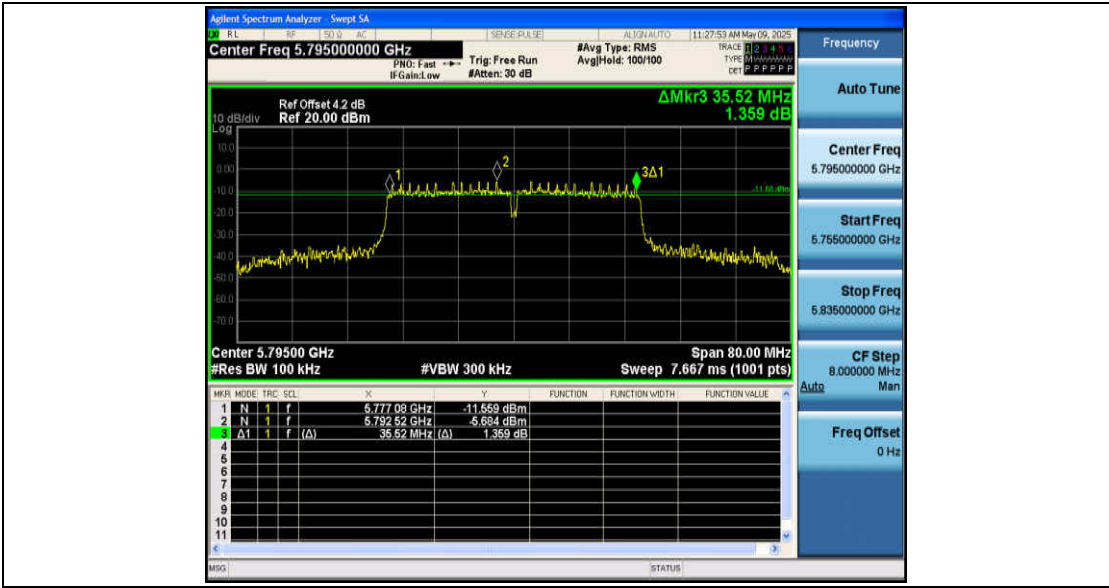
11AX20SISO_Ant1_5825



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	0.11	0.32	34.38	4.64	---	---
		5220	0.11	0.33	33.33	4.77	---	---
		5240	0.11	0.30	36.67	4.36	---	---
		5745	0.11	0.30	36.67	4.36	---	---
		5785	0.11	0.33	33.33	4.77	---	---
		5825	0.11	0.29	37.93	4.21	---	---
11N20SISO	Ant1	5180	0.12	0.32	37.50	4.26	---	---
		5220	0.12	0.29	41.38	3.83	---	---
		5240	0.11	0.30	36.67	4.36	---	---
		5745	0.11	0.29	37.93	4.21	---	---
		5785	0.11	0.30	36.67	4.36	---	---
		5825	0.11	0.29	37.93	4.21	---	---
11N40SISO	Ant1	5190	0.07	0.26	26.92	5.70	---	---
		5230	0.07	0.28	25.00	6.02	---	---
		5755	0.07	0.26	26.92	5.70	---	---
		5795	0.07	0.26	26.92	5.70	---	---
11AC20SISO	Ant1	5180	0.12	0.36	33.33	4.77	---	---
		5220	0.12	0.33	36.36	4.39	---	---
		5240	0.12	0.31	38.71	4.12	---	---
		5745	0.12	0.30	40.00	3.98	---	---
		5785	0.12	0.29	41.38	3.83	---	---
		5825	0.11	0.29	37.93	4.21	---	---
11AC40SISO	Ant1	5190	0.08	0.27	29.63	5.28	---	---
		5230	0.07	0.23	30.43	5.17	---	---
		5755	0.08	0.28	28.57	5.44	---	---
		5795	0.08	0.29	27.59	5.59	---	---
11AX20SISO	Ant1	5180	0.12	0.30	40.00	3.98	---	---
		5220	0.12	0.32	37.50	4.26	---	---
		5240	0.12	0.33	36.36	4.39	---	---
		5745	0.12	0.34	35.29	4.52	---	---
		5785	0.12	0.19	63.16	2.00	---	---
		5825	0.12	0.30	40.00	3.98	---	---
11AX40SISO	Ant1	5190	0.08	0.26	30.77	5.12	---	---
		5230	0.08	0.30	26.67	5.74	---	---
		5755	0.08	0.26	30.77	5.12	---	---
		5795	0.08	0.29	27.59	5.59	---	---