

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2A8W5-S7PRIME

Company : BAODE INTERNATIONAL LIMITED

EUT : Smart Media Player

Model Number : S7 Prime

Report No. : CTA25120301204

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	22.280	5169.360	5191.640	---	---
		5220	22.720	5208.640	5231.360	---	---
		5240	21.840	5229.080	5250.920	---	---
		5745	23.240	5733.560	5756.800	---	---
		5785	23.400	5773.440	5796.840	---	---
		5825	23.320	5813.600	5836.920	---	---
11N20SISO	Ant1	5180	22.160	5169.160	5191.320	---	---
		5220	22.160	5209.480	5231.640	---	---
		5240	22.720	5228.960	5251.680	---	---
		5745	23.320	5733.400	5756.720	---	---
		5785	22.880	5773.640	5796.520	---	---
		5825	23.080	5813.680	5836.760	---	---
11N40SISO	Ant1	5190	42.640	5168.800	5211.440	---	---
		5230	41.360	5208.800	5250.160	---	---
		5755	44.720	5733.080	5777.800	---	---
		5795	44.960	5772.920	5817.880	---	---
11AC20SISO	Ant1	5180	22.320	5168.960	5191.280	---	---
		5220	22.440	5208.800	5231.240	---	---
		5240	22.000	5229.040	5251.040	---	---
		5745	23.600	5733.320	5756.920	---	---
		5785	23.800	5773.360	5797.160	---	---
		5825	23.840	5812.920	5836.760	---	---
11AC40SISO	Ant1	5190	42.480	5168.960	5211.440	---	---
		5230	41.600	5208.880	5250.480	---	---
		5755	43.760	5733.960	5777.720	---	---
		5795	44.160	5773.560	5817.720	---	---
11AX20SISO	Ant1	5180	22.200	5169.000	5191.200	---	---
		5220	22.120	5209.200	5231.320	---	---
		5240	24.000	5228.000	5252.000	---	---
		5745	23.840	5733.320	5757.160	---	---
		5785	23.240	5773.520	5796.760	---	---
		5825	23.320	5813.520	5836.840	---	---
11AX40SISO	Ant1	5190	42.640	5168.720	5211.360	---	---
		5230	40.880	5210.000	5250.880	---	---
		5755	44.160	5733.320	5777.480	---	---
		5795	44.160	5773.480	5817.640	---	---

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

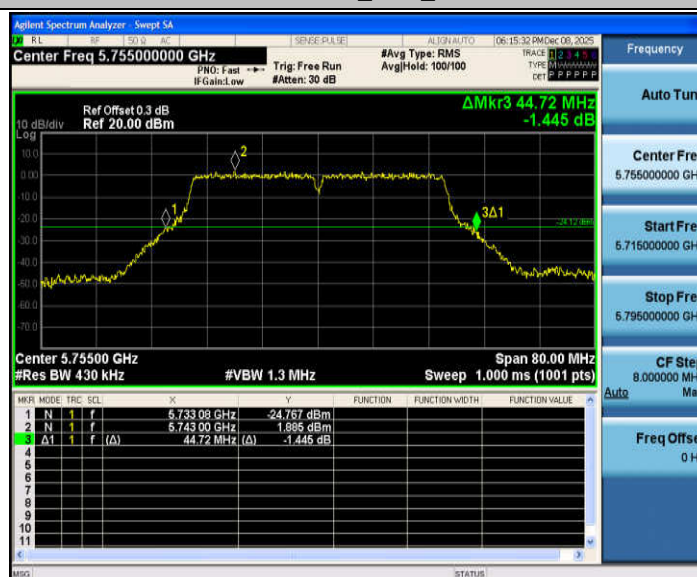




11N40SISO_Ant1_5230



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



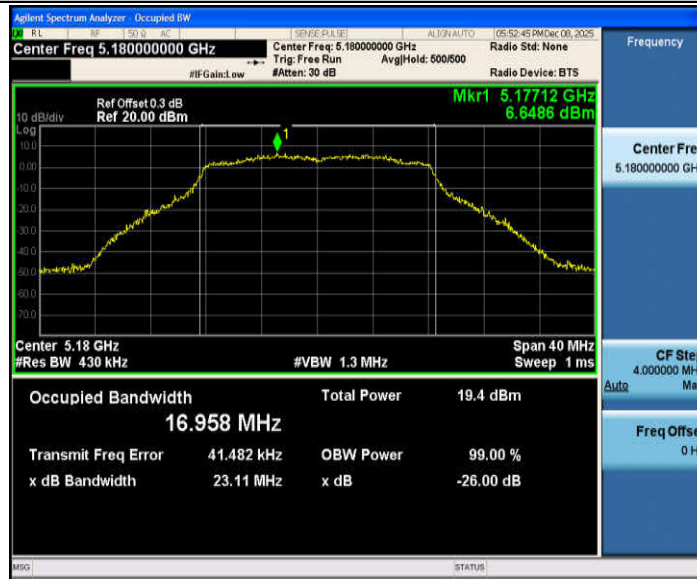
Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.958	5171.5625	5188.5205	---	---
		5220	16.957	5211.5883	5228.5453	---	---
		5240	16.952	5231.5565	5248.5085	---	---
		5745	17.271	5736.3753	5753.6463	---	---
		5785	17.289	5776.3873	5793.6763	---	---
		5825	17.229	5816.4230	5833.6520	---	---
11N20SISO	Ant1	5180	18.044	5171.0381	5189.0821	---	---
		5220	18.043	5210.9969	5229.0399	---	---
		5240	17.975	5231.0328	5249.0078	---	---
		5745	18.348	5735.8364	5754.1844	---	---
		5785	18.365	5775.8522	5794.2172	---	---
		5825	18.327	5815.8348	5834.1618	---	---
11N40SISO	Ant1	5190	36.175	5171.9900	5208.1650	---	---
		5230	36.150	5211.9694	5248.1194	---	---
		5755	36.788	5736.6861	5773.4741	---	---
		5795	36.689	5776.7481	5813.4371	---	---
11AC20SISO	Ant1	5180	18.044	5171.0435	5189.0875	---	---
		5220	18.018	5211.0330	5229.0510	---	---
		5240	18.070	5230.9984	5249.0684	---	---
		5745	18.356	5735.8850	5754.2410	---	---
		5785	18.351	5775.8423	5794.1933	---	---
		5825	18.337	5815.8331	5834.1701	---	---
11AC40SISO	Ant1	5190	36.122	5171.9941	5208.1161	---	---
		5230	36.168	5211.9908	5248.1588	---	---
		5755	36.751	5736.7071	5773.4581	---	---
		5795	36.643	5776.7376	5813.3806	---	---
11AX20SISO	Ant1	5180	19.017	5170.5201	5189.5371	---	---
		5220	18.969	5210.5746	5229.5436	---	---
		5240	19.013	5230.5246	5249.5376	---	---
		5745	19.208	5735.4448	5754.6528	---	---
		5785	19.216	5775.4349	5794.6509	---	---
		5825	19.211	5815.4130	5834.6240	---	---
11AX40SISO	Ant1	5190	37.609	5171.2808	5208.8898	---	---
		5230	37.659	5211.2256	5248.8846	---	---
		5755	38.118	5736.0304	5774.1484	---	---
		5795	38.094	5776.0197	5814.1137	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



11A_Ant1_5240



11A_Ant1_5745

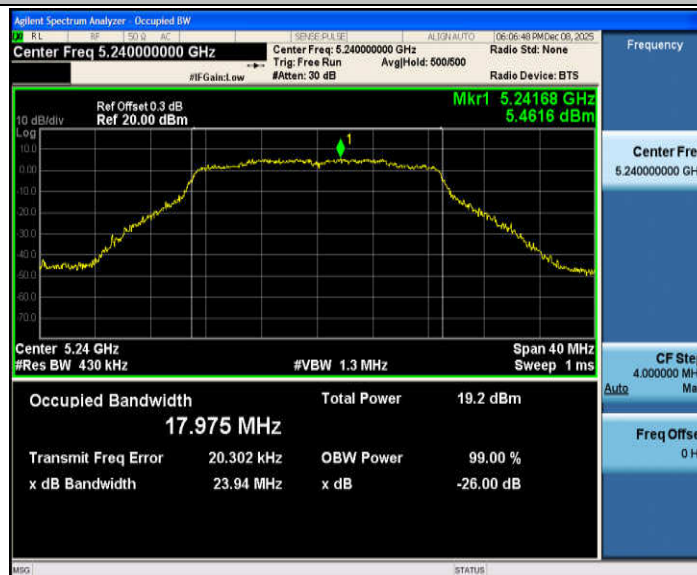


11A_Ant1_5785





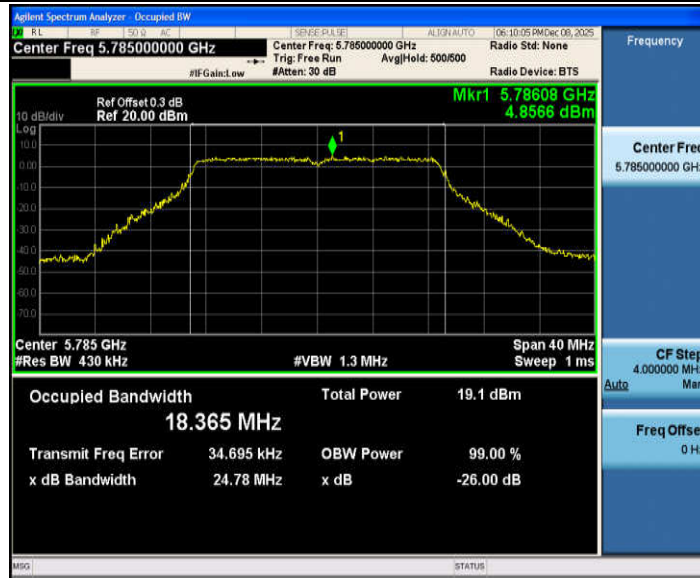
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



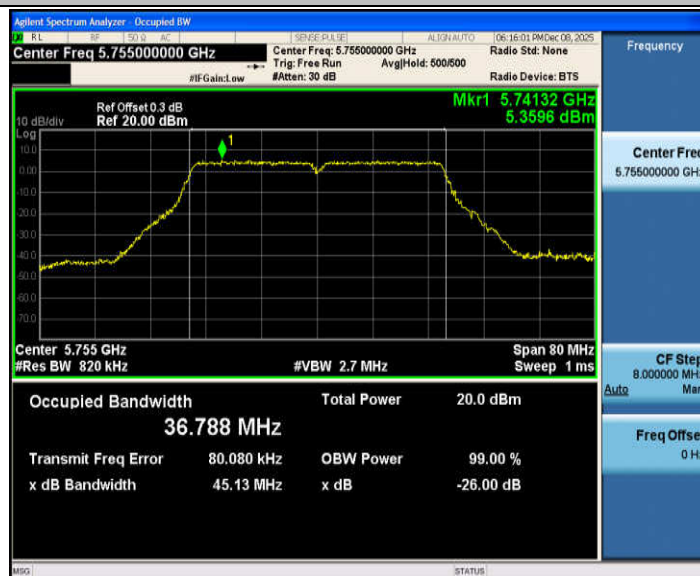
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



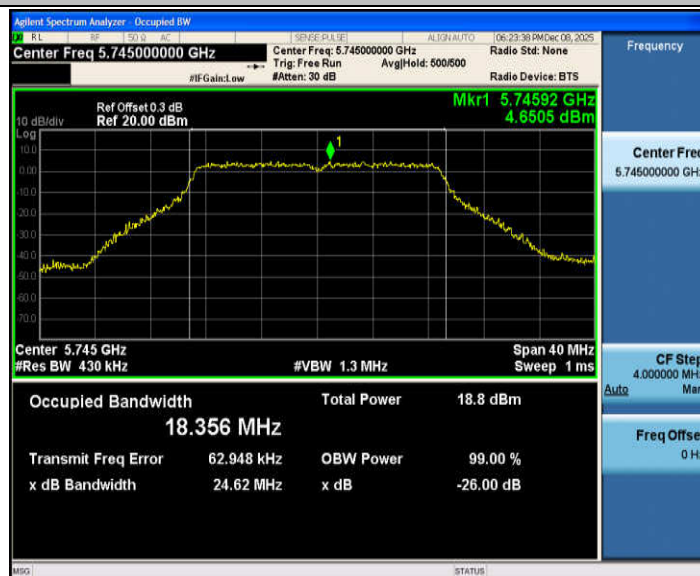
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



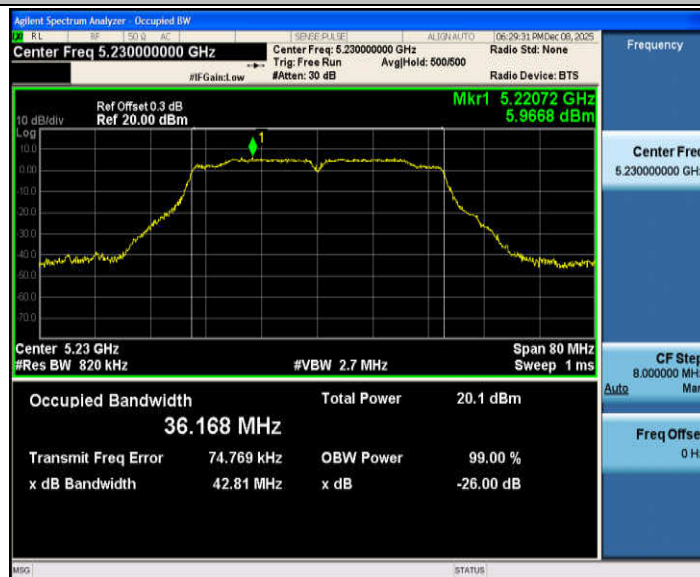
11AC20SISO_Ant1_5825



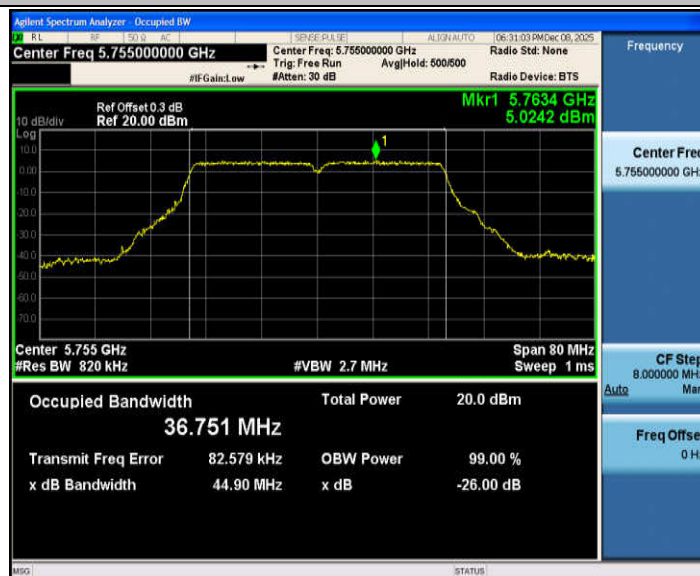
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5180



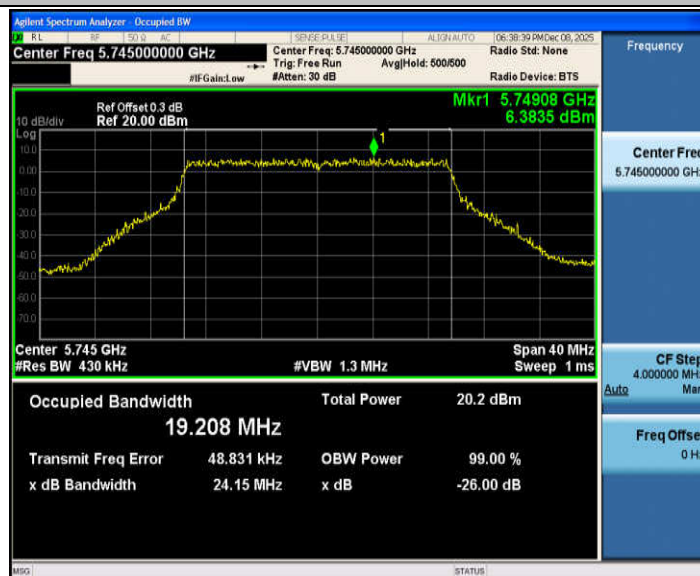
11AX20SISO_Ant1_5220



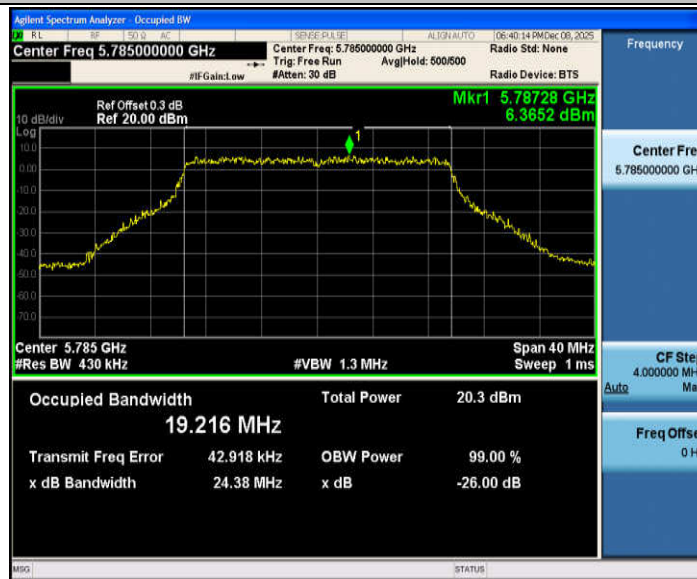
11AX20SISO_Ant1_5240



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



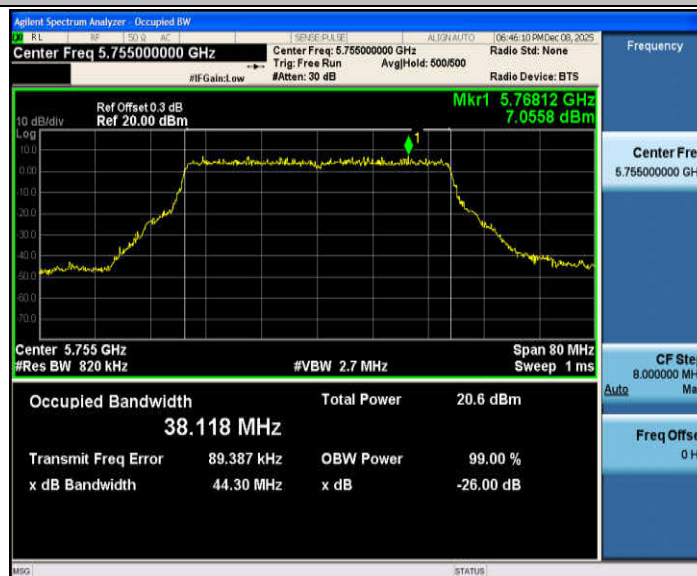
11AX40SISO_Ant1_5190



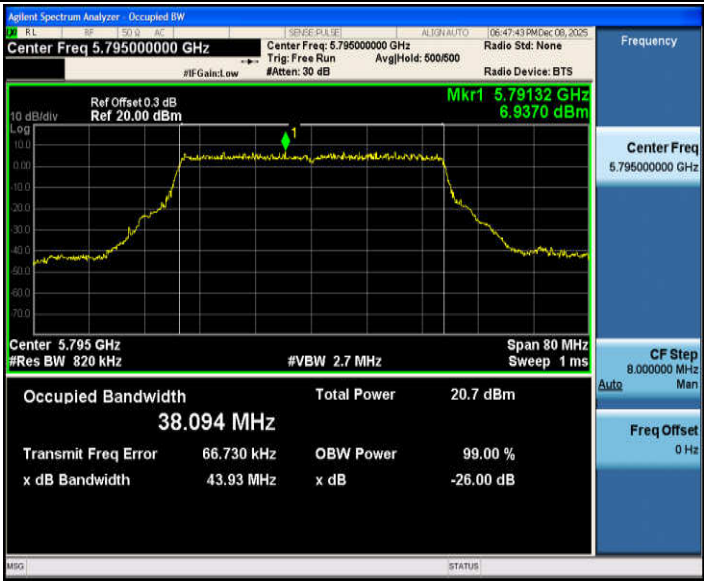
11AX40SISO_Ant1_5230



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	16.280	5776.880	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.560	5776.240	5793.800	0.5	PASS
		5825	17.320	5816.240	5833.560	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.520	5736.240	5753.760	0.5	PASS
		5785	17.520	5776.240	5793.760	0.5	PASS
		5825	17.160	5816.240	5833.400	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.080	5777.080	5813.160	0.5	PASS
11AX20SISO	Ant1	5745	18.200	5735.920	5754.120	0.5	PASS
		5785	18.240	5776.040	5794.280	0.5	PASS
		5825	18.320	5815.560	5833.880	0.5	PASS
11AX40SISO	Ant1	5755	37.680	5736.280	5773.960	0.5	PASS
		5795	37.600	5776.280	5813.880	0.5	PASS

Test Graphs B4

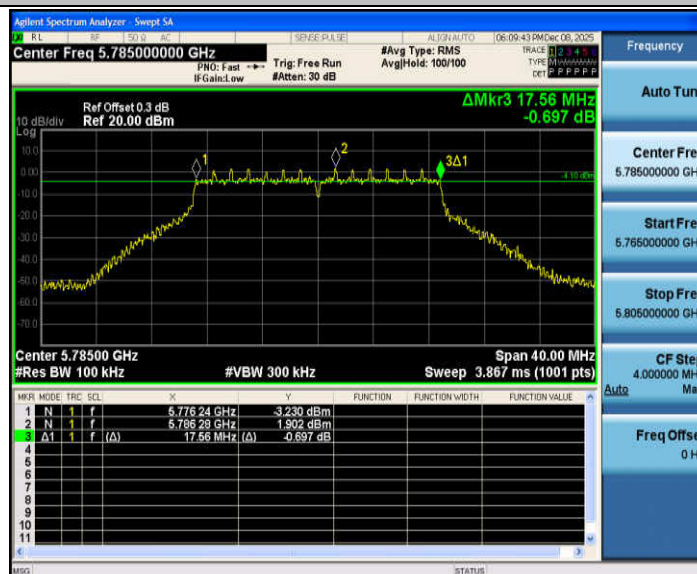




11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



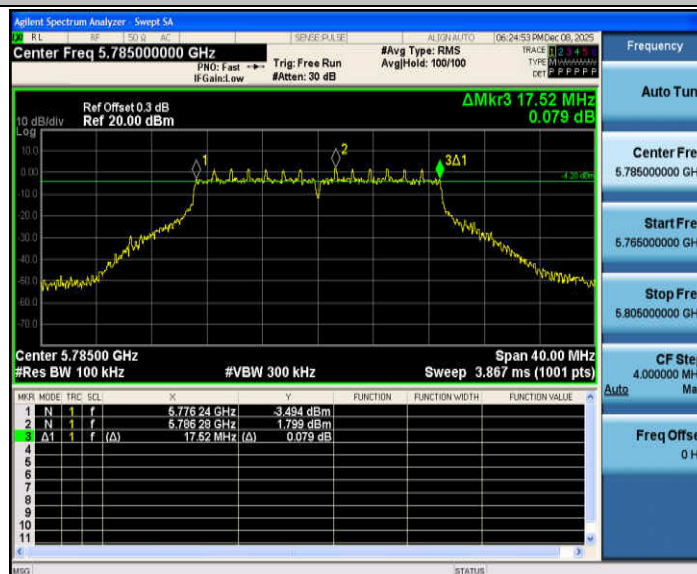
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



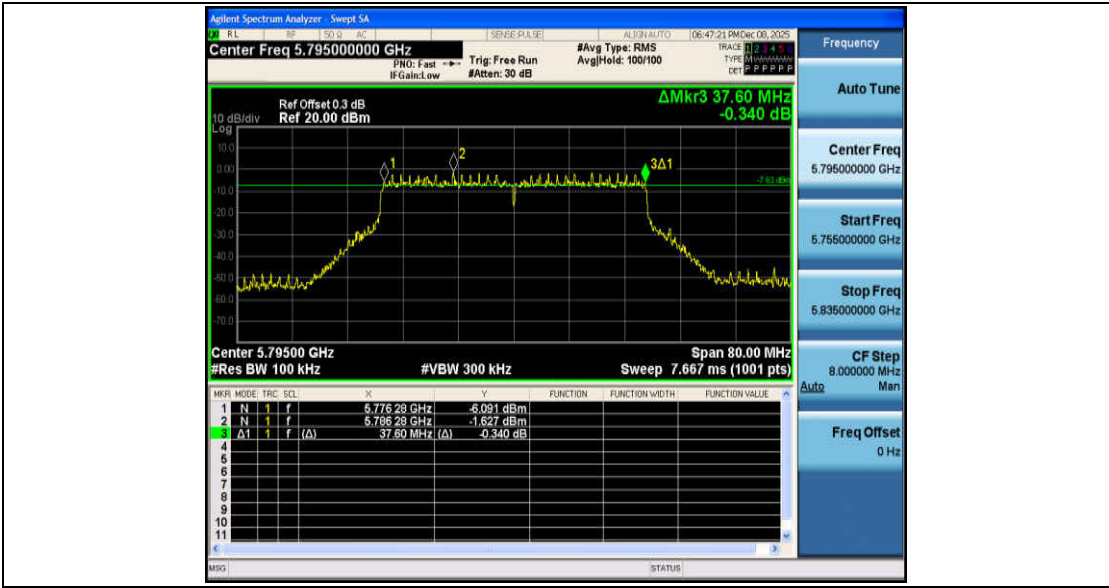
11AX20SISO_Ant1_5825



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	0.14	0.19	73.68	1.33	---	---
		5220	0.15	0.20	75.00	1.25	---	---
		5240	0.15	0.20	75.00	1.25	---	---
		5745	0.15	0.20	75.00	1.25	---	---
		5785	0.15	0.20	75.00	1.25	---	---
		5825	0.14	0.19	73.68	1.33	---	---
11N20SISO	Ant1	5180	0.18	0.23	78.26	1.06	---	---
		5220	0.17	0.22	77.27	1.12	---	---
		5240	0.18	0.23	78.26	1.06	---	---
		5745	0.18	0.23	78.26	1.06	---	---
		5785	0.18	0.23	78.26	1.06	---	---
		5825	0.17	0.22	77.27	1.12	---	---
11N40SISO	Ant1	5190	0.18	0.23	78.26	1.06	---	---
		5230	0.18	0.23	78.26	1.06	---	---
		5755	0.18	0.23	78.26	1.06	---	---
		5795	0.18	0.23	78.26	1.06	---	---
11AC20SISO	Ant1	5180	0.16	0.21	76.19	1.18	---	---
		5220	0.16	0.21	76.19	1.18	---	---
		5240	0.16	0.21	76.19	1.18	---	---
		5745	0.16	0.21	76.19	1.18	---	---
		5785	0.16	0.21	76.19	1.18	---	---
		5825	0.16	0.21	76.19	1.18	---	---
11AC40SISO	Ant1	5190	0.16	0.21	76.19	1.18	---	---
		5230	0.16	0.21	76.19	1.18	---	---
		5755	0.16	0.21	76.19	1.18	---	---
		5795	0.15	0.20	75.00	1.25	---	---
11AX20SISO	Ant1	5180	0.26	0.31	83.87	0.76	---	---
		5220	0.26	0.31	83.87	0.76	---	---
		5240	0.26	0.31	83.87	0.76	---	---
		5745	0.26	0.31	83.87	0.76	---	---
		5785	0.26	0.31	83.87	0.76	---	---
		5825	0.26	0.31	83.87	0.76	---	---
11AX40SISO	Ant1	5190	0.18	0.23	78.26	1.06	---	---
		5230	0.18	0.23	78.26	1.06	---	---
		5755	0.17	0.22	77.27	1.12	---	---
		5795	0.17	0.22	77.27	1.12	---	---

