

FCC Appendix RF Test Data

FCC ID : 2BQJY-MP038

Company: : Shenzhen Zhishanglian Technology Co., Ltd

EUT : Advertising Screen Projector with Media Player

Model Number : MP038

Report No. : CTA25060600102

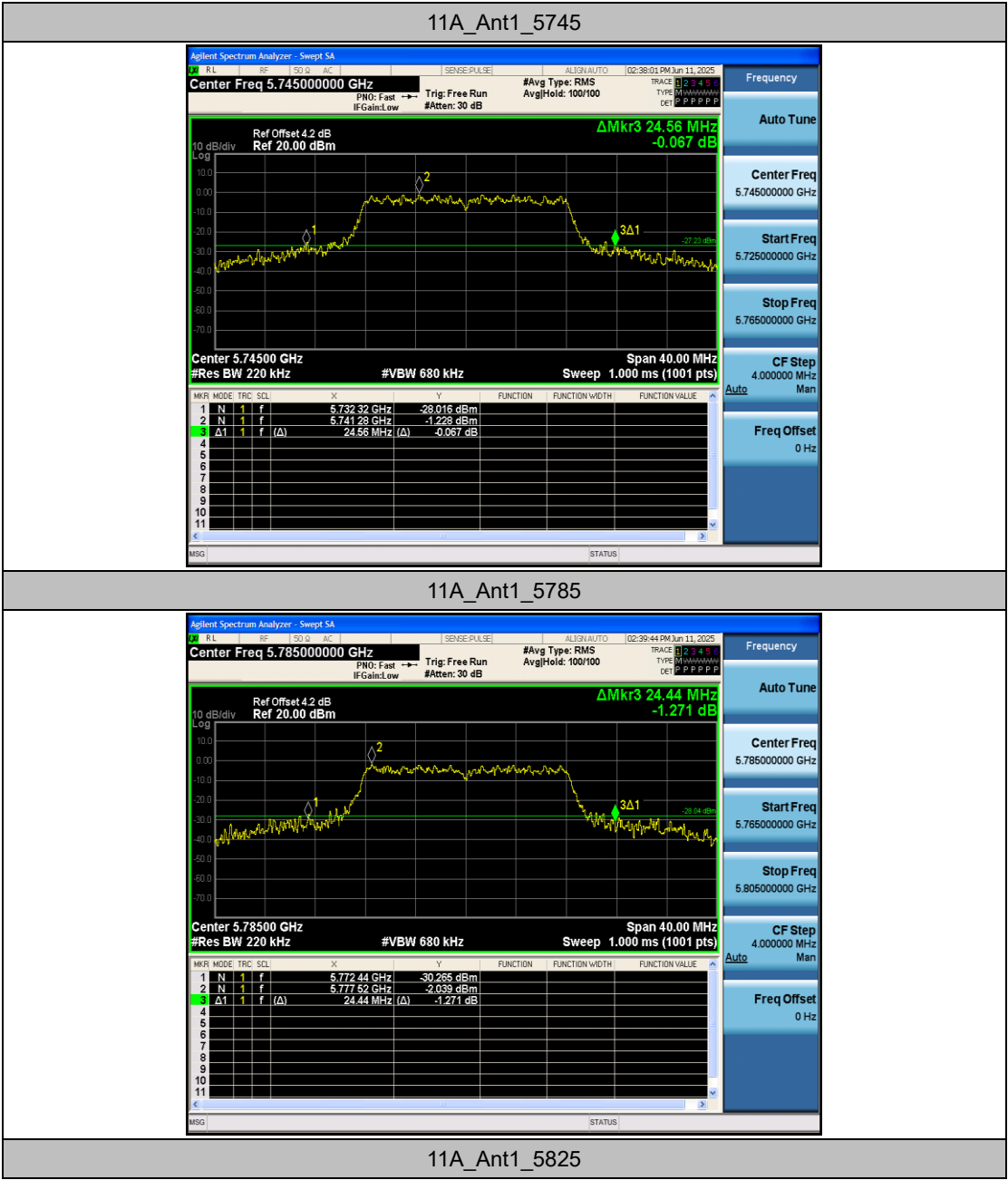
Reviewed By : Eric Wang

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	24.560	5732.320	5756.880	---	---
		5785	24.440	5772.440	5796.880	---	---
		5825	27.120	5812.680	5839.800	---	---
11N20SISO	Ant1	5745	25.280	5732.200	5757.480	---	---
		5785	24.520	5773.040	5797.560	---	---
		5825	25.920	5811.720	5837.640	---	---
11N40SISO	Ant1	5755	55.760	5723.960	5779.720	---	---
		5795	48.320	5768.680	5817.000	---	---

Test Graphs

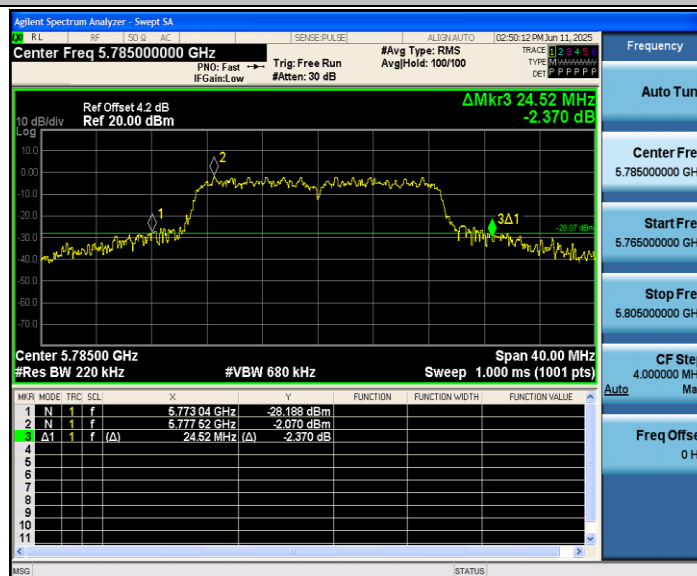




11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



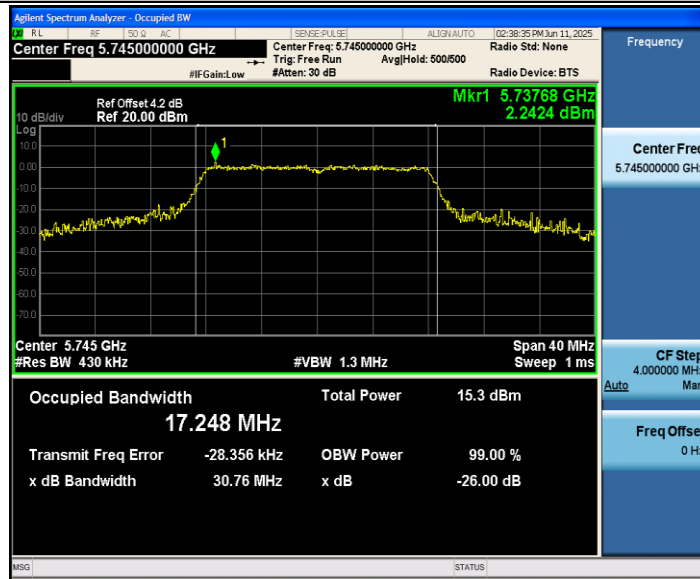
Appendix A2: Occupied channel bandwidth

Test Result

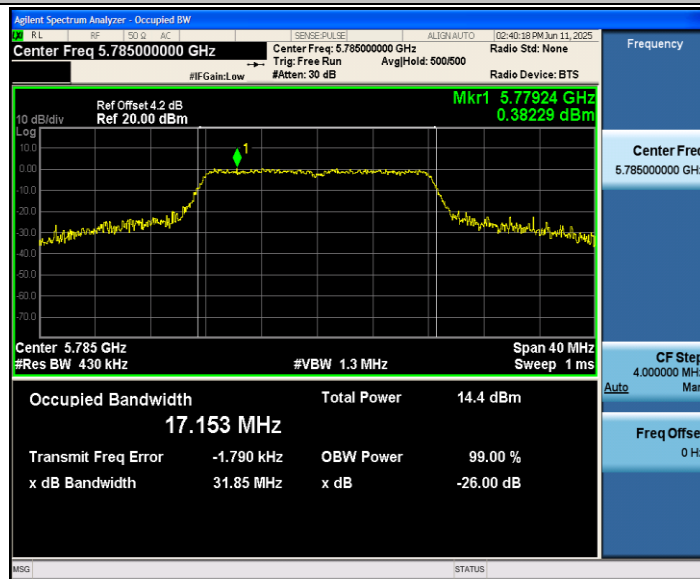
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.248	5736.3476	5753.5956	---	---
		5785	17.153	5776.4217	5793.5747	---	---
		5825	17.095	5816.5115	5833.6065	---	---
11N20SISO	Ant1	5745	18.197	5735.9324	5754.1294	---	---
		5785	18.134	5775.9439	5794.0779	---	---
		5825	18.148	5815.9821	5834.1301	---	---
11N40SISO	Ant1	5755	36.693	5736.6404	5773.3334	---	---
		5795	36.563	5776.7275	5813.2905	---	---

Test Graphs

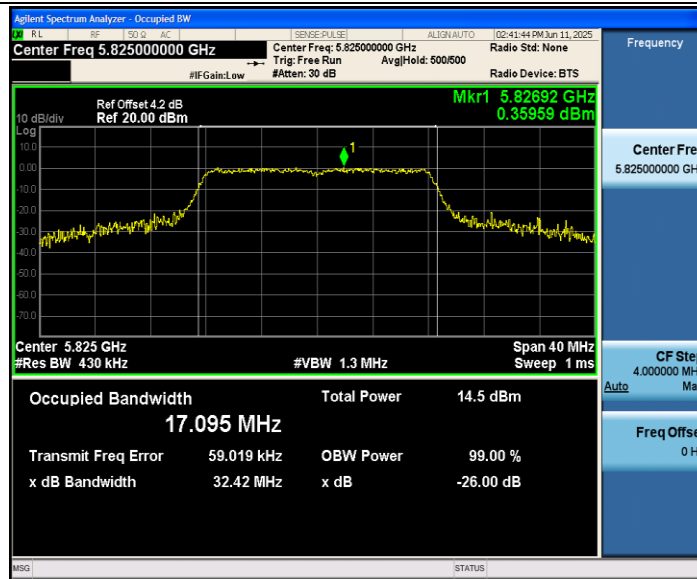
11A_Ant1_5745



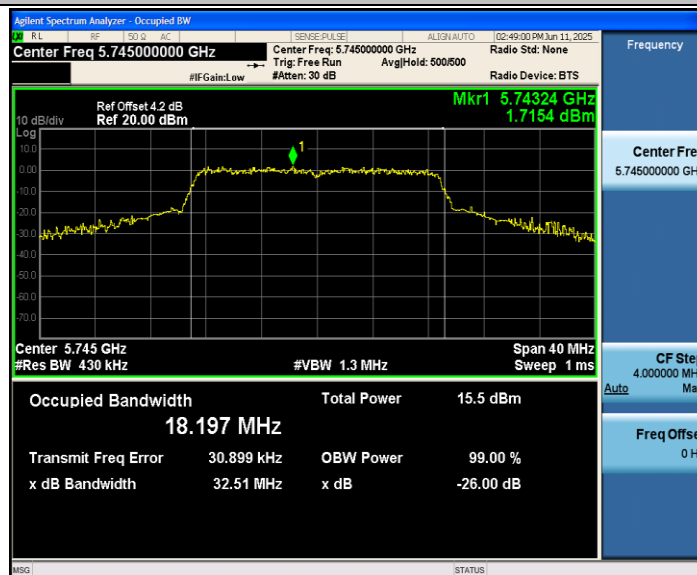
11A_Ant1_5785



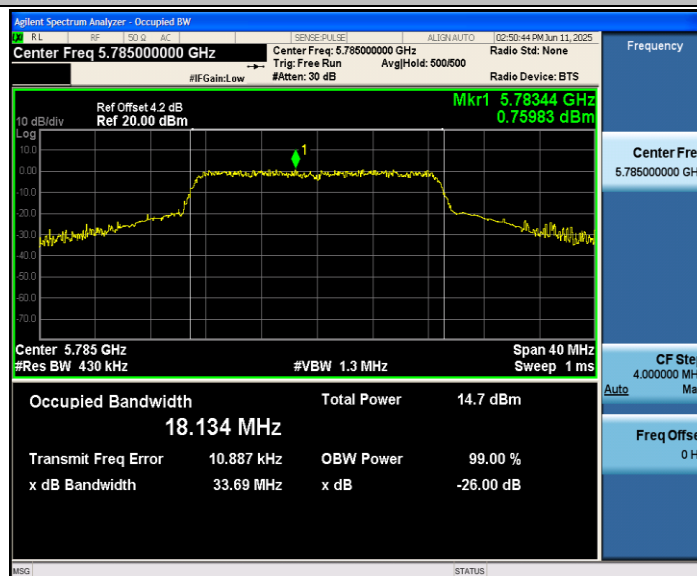
11A_Ant1_5825



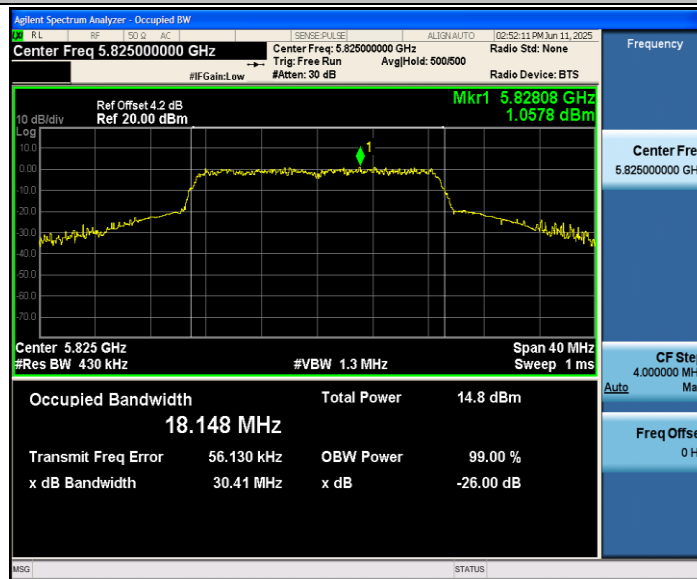
11N20SISO_Ant1_5745



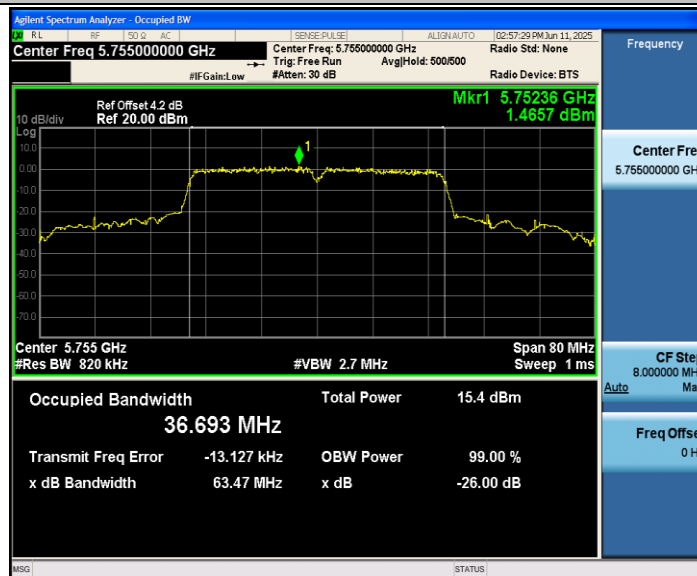
11N20SISO_Ant1_5785



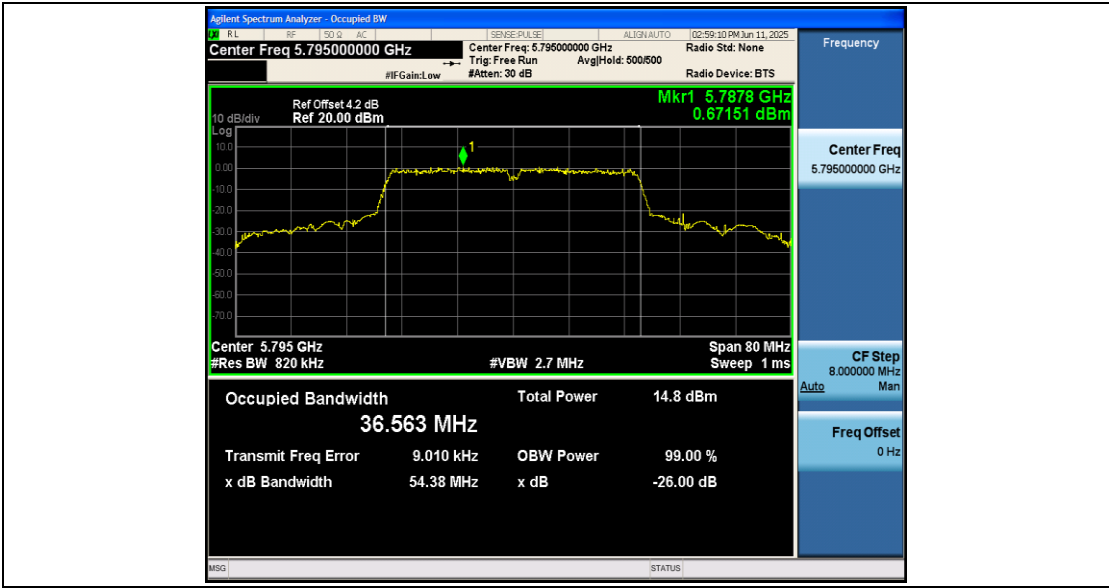
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

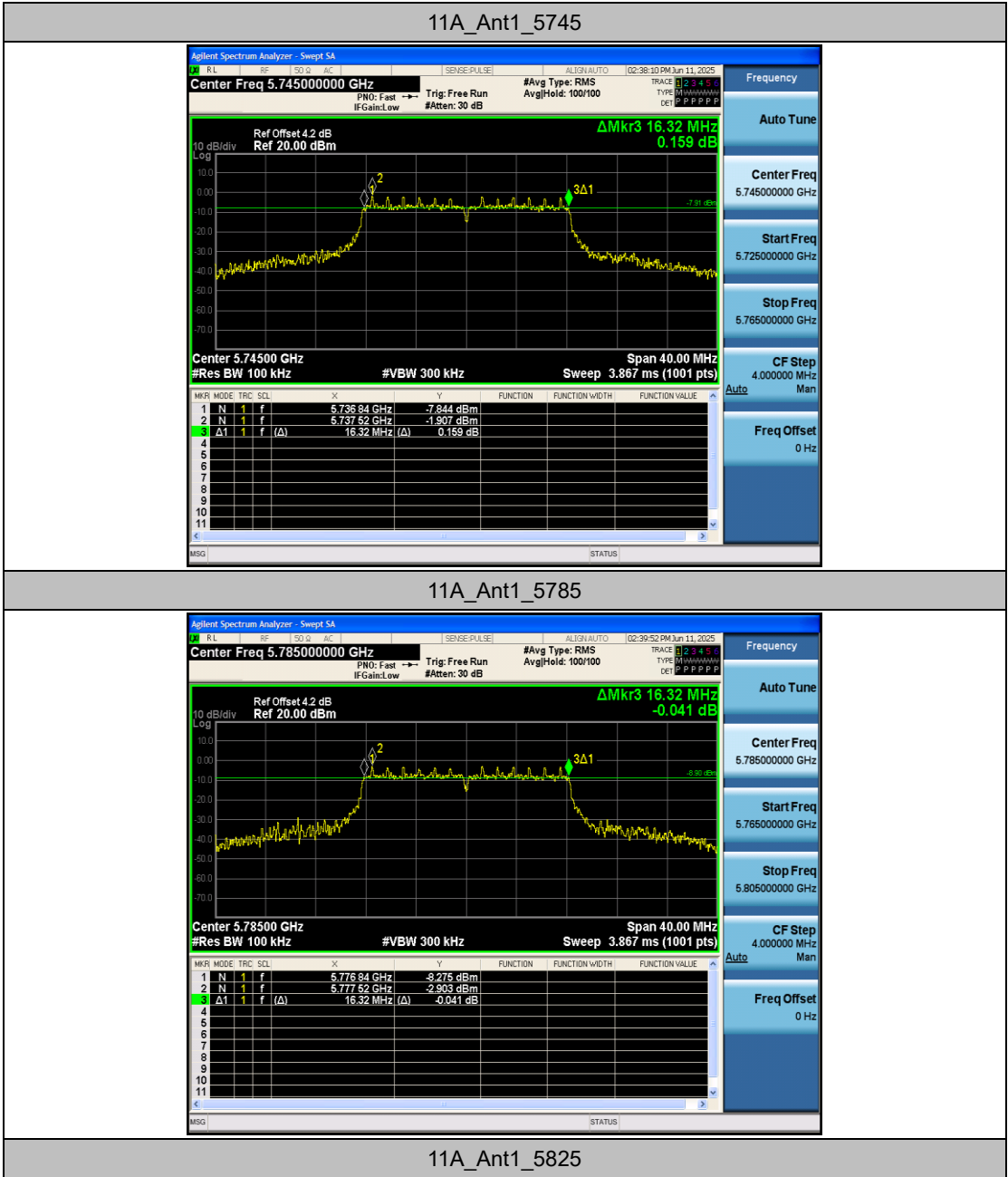


Appendix A3: Min emission bandwidth

Test Result B4

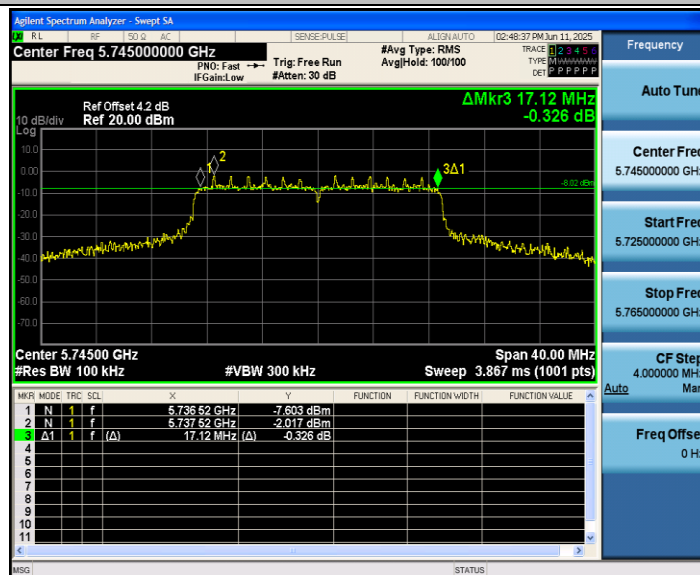
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.280	5816.840	5833.120	0.5	PASS
11N20SISO	Ant1	5745	17.120	5736.520	5753.640	0.5	PASS
		5785	16.840	5776.520	5793.360	0.5	PASS
		5825	17.120	5816.480	5833.600	0.5	PASS
11N40SISO	Ant1	5755	35.360	5737.240	5772.600	0.5	PASS
		5795	35.520	5777.400	5812.920	0.5	PASS

Test Graphs B4

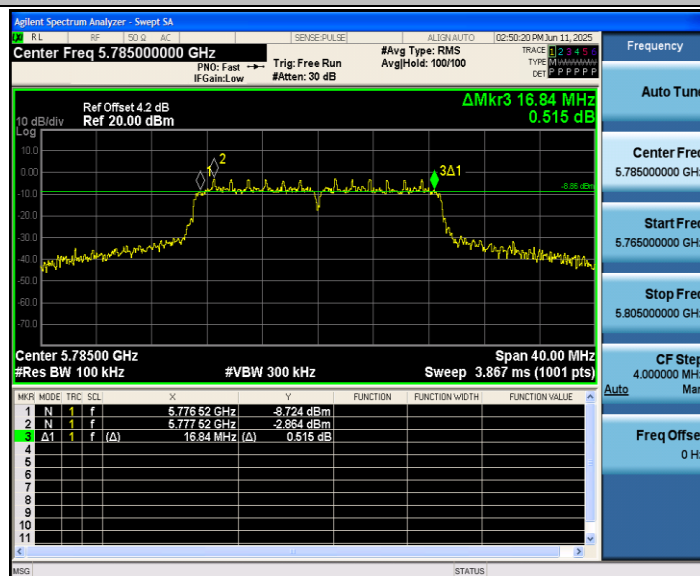


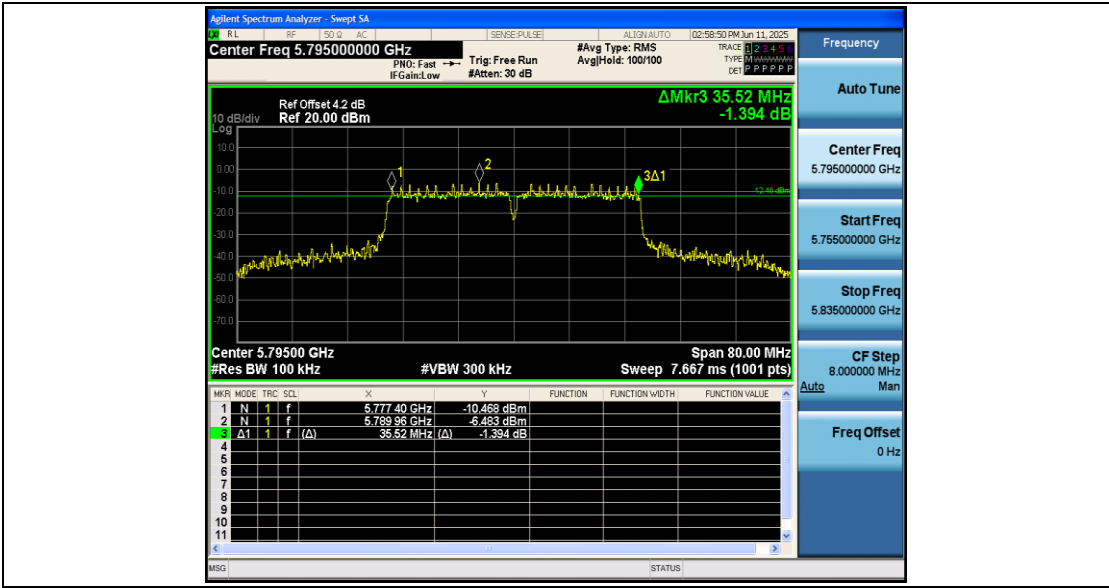


11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



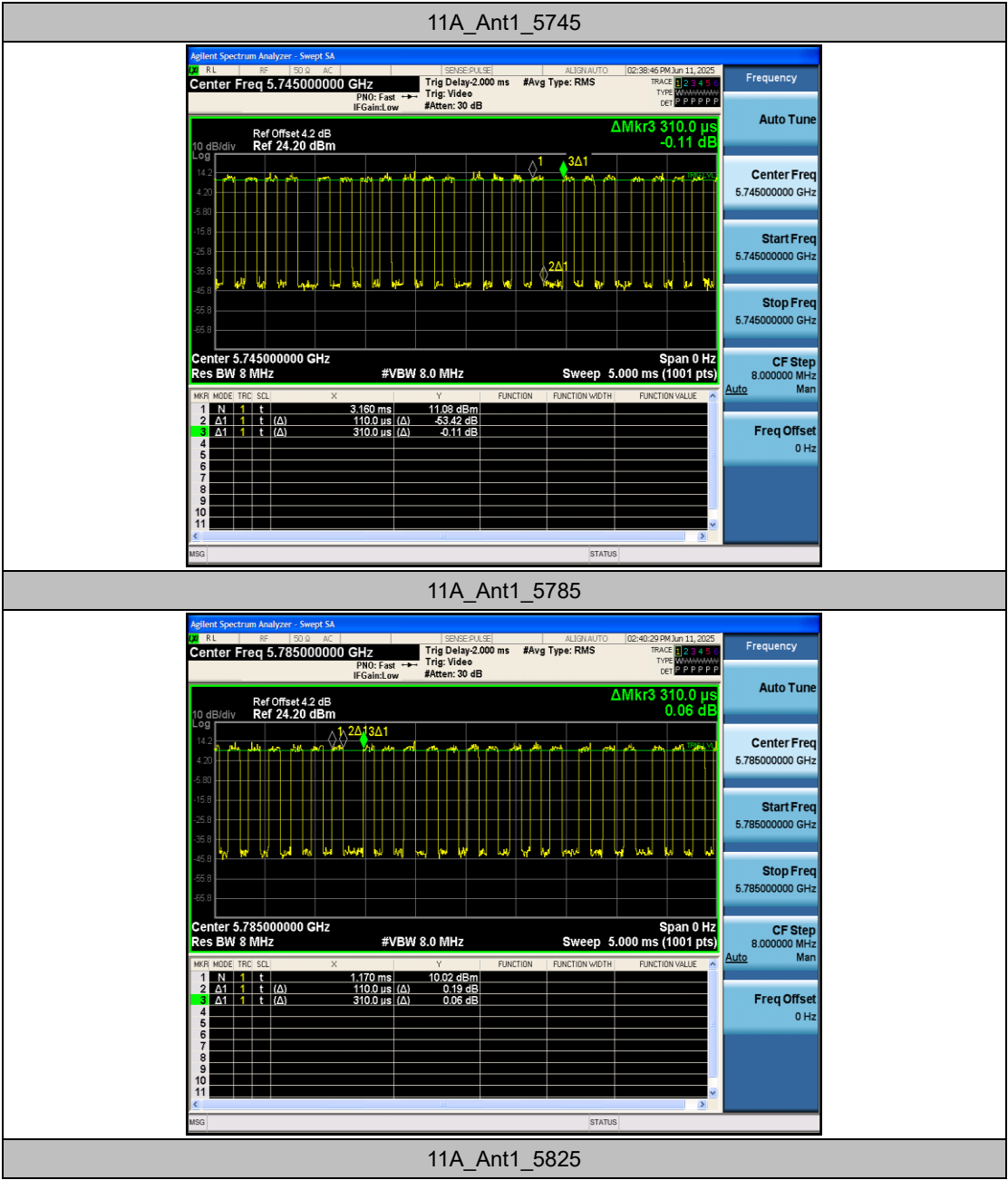


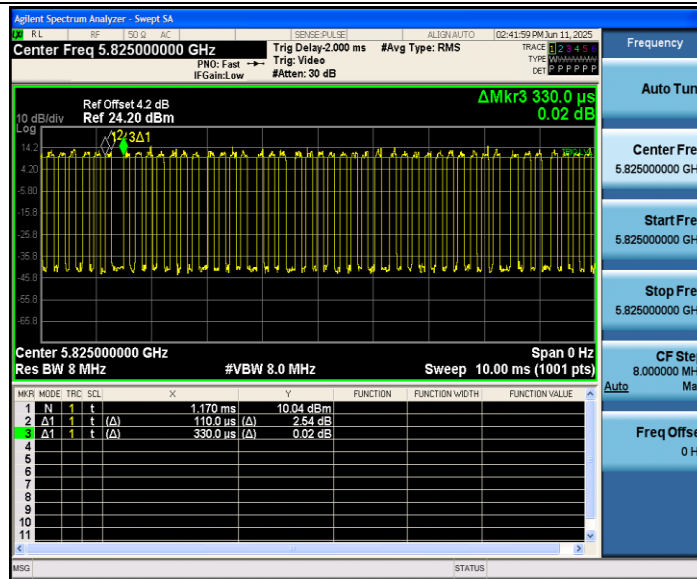
Appendix B: Duty Cycle

Test Result

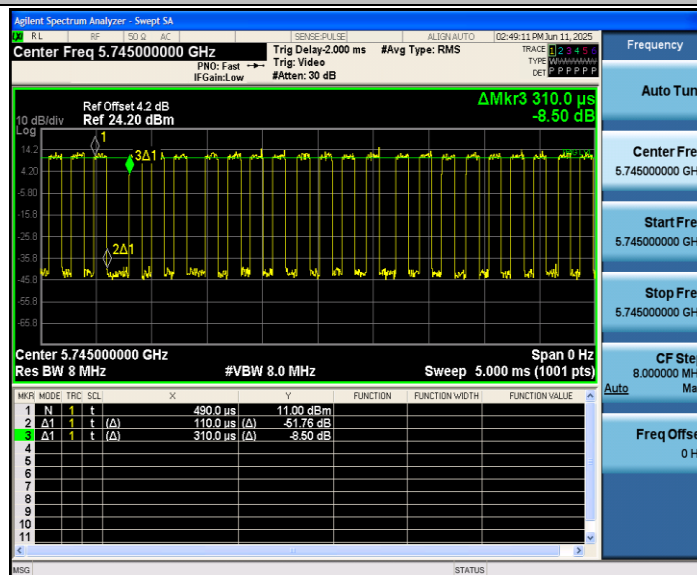
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5745	0.11	0.31	35.48	4.50	---	---
		5785	0.11	0.31	35.48	4.50	---	---
		5825	0.11	0.33	33.33	4.77	---	---
11N20SISO	Ant1	5745	0.11	0.31	35.48	4.50	---	---
		5785	0.11	0.28	39.29	4.06	---	---
		5825	0.11	0.30	36.67	4.36	---	---
11N40SISO	Ant1	5755	0.11	0.31	35.48	5.70	---	---
		5795	0.11	0.28	39.29	5.86	---	---

Test Graphs

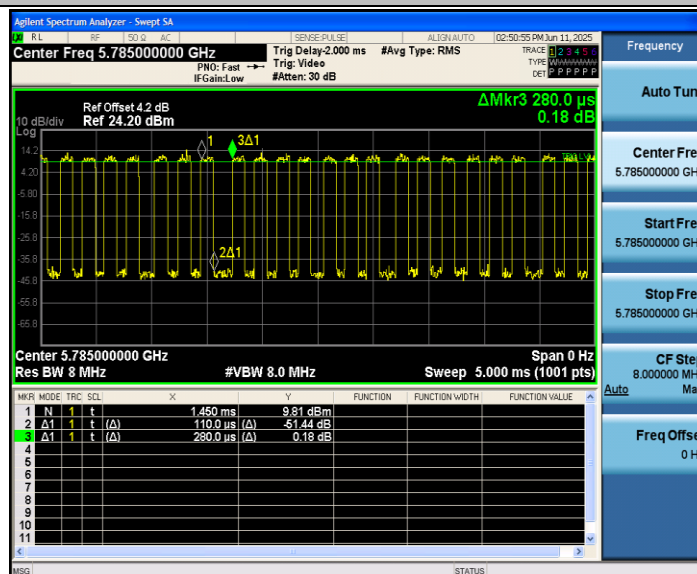




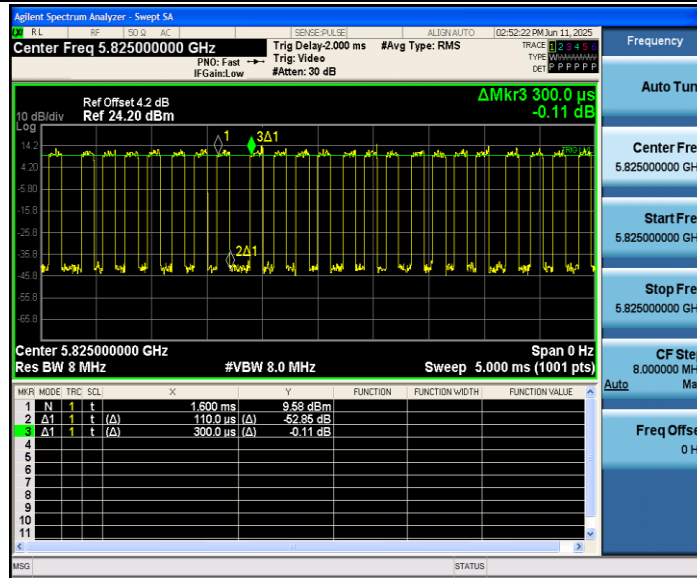
11N20SISO_Ant1_5745



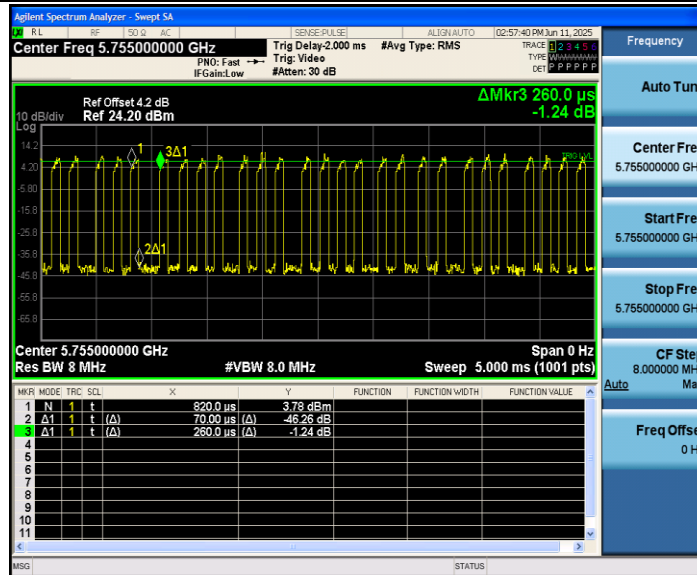
11N20SISO_Ant1_5785



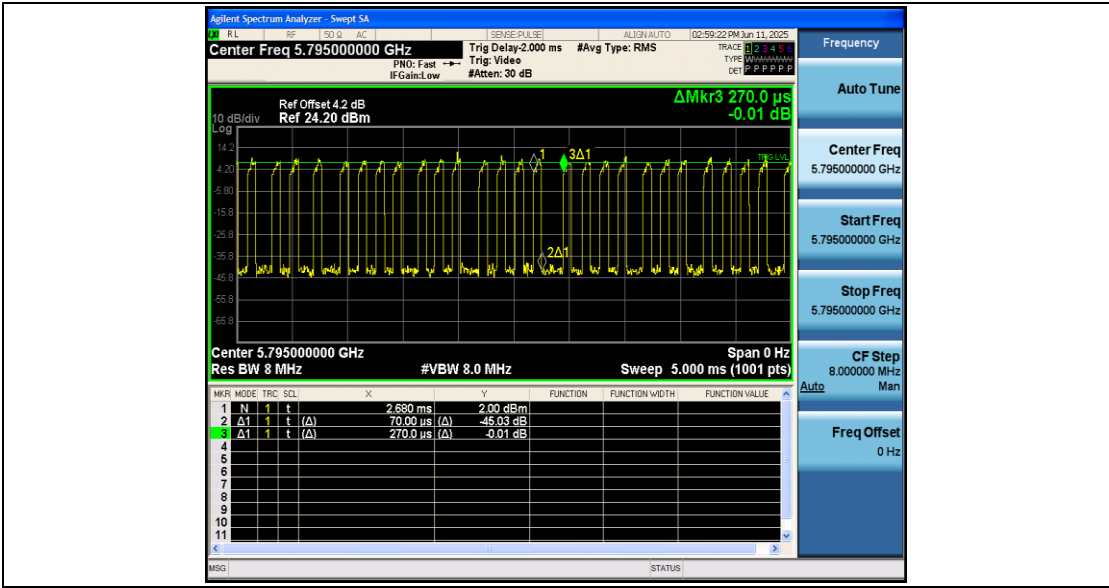
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



Appendix C: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	5.98	35.48	4.50	10.48	≤30.00	PASS
		5785	5.19	35.48	4.50	9.69	≤30.00	PASS
		5825	5.23	33.33	4.77	10.00	≤30.00	PASS
11N20SI SO	Ant1	5745	6.00	35.48	4.50	10.50	≤30.00	PASS
		5785	5.21	39.29	4.06	9.27	≤30.00	PASS
		5825	5.12	36.67	4.36	9.48	≤30.00	PASS
11N40SI SO	Ant1	5755	4.08	26.92	5.70	9.78	≤30.00	PASS
		5795	3.48	25.93	5.86	9.34	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

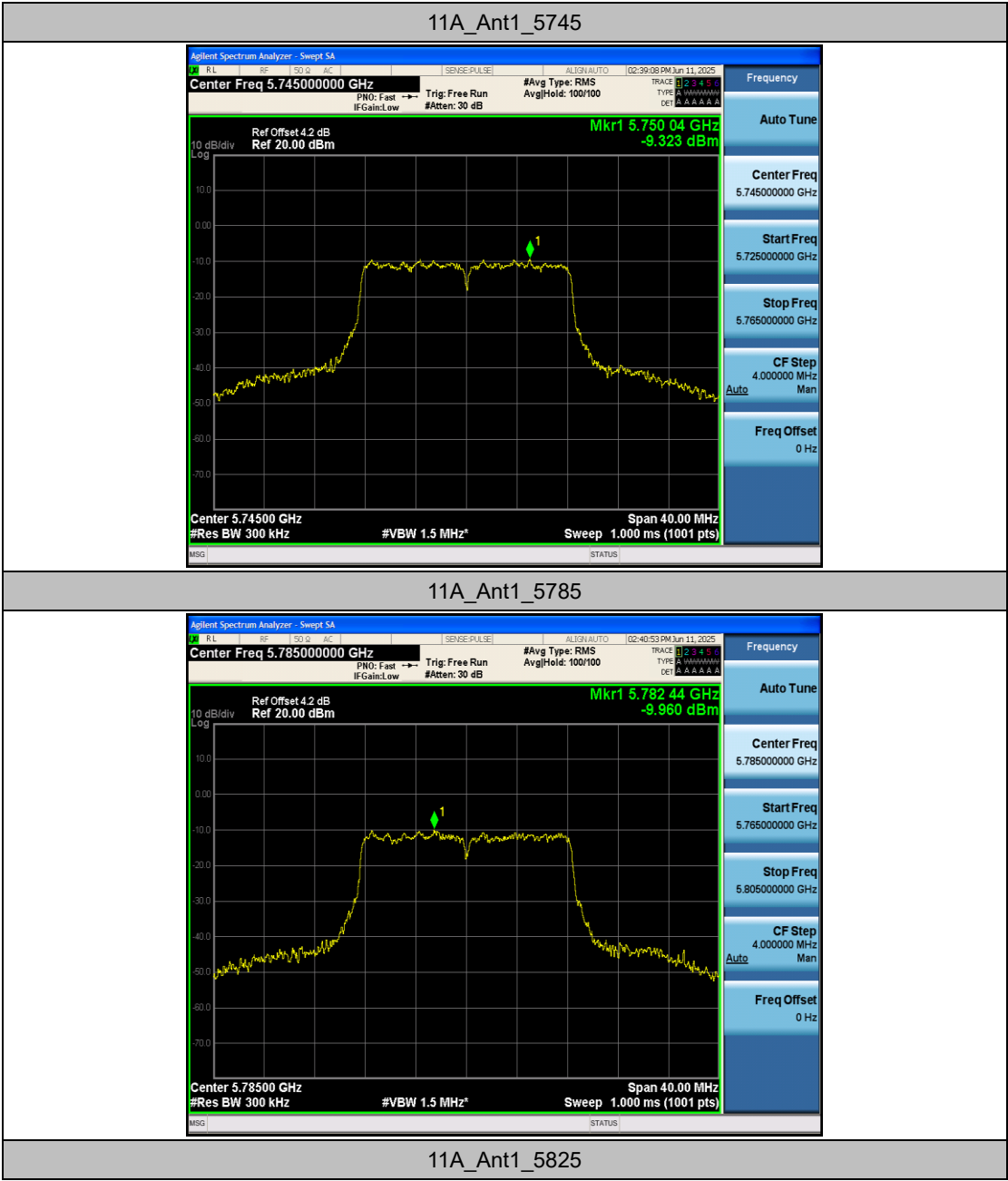
TestMode	Antenna	Freq(MHz)	Result [dBm/300KHz]	RBW Factor (dB)	Duty factor (dB)	Result [dBm/500KHz]	Limit [dBm/500KHz]	Verdict
11A	Ant1	5745	-9.323	2.22	4.50	-2.60	≤30.00	PASS
		5785	-9.960	2.22	4.50	-3.24	≤30.00	PASS
		5825	-9.578	2.22	4.77	-2.59	≤30.00	PASS
11N20SISO	Ant1	5745	-9.048	2.22	4.50	-2.33	≤30.00	PASS
		5785	-9.98	2.22	4.06	-2.82	≤30.00	PASS
		5825	-9.568	2.22	4.36	-2.99	≤30.00	PASS
11N40SISO	Ant1	5755	-13.086	2.22	5.70	-5.17	≤30.00	PASS
		5795	-13.604	2.22	5.86	-5.52	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

P.S.D(dBm/500KHz)= P.S.D(dBm/300KHz)+10 log (500 kHz/300KHz).

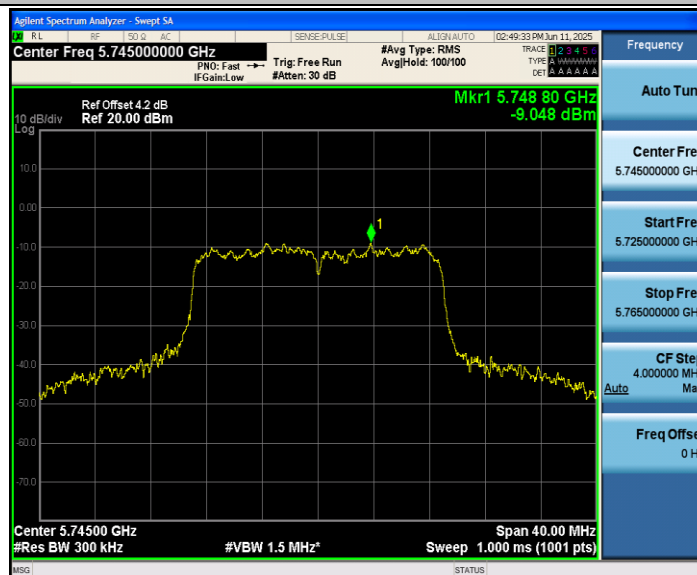
2. RBW factor= 10 log (500 KHz /300 KHz) = 2.22 dB and The RBW Factor is compensated in the data graph.

Test Graphs

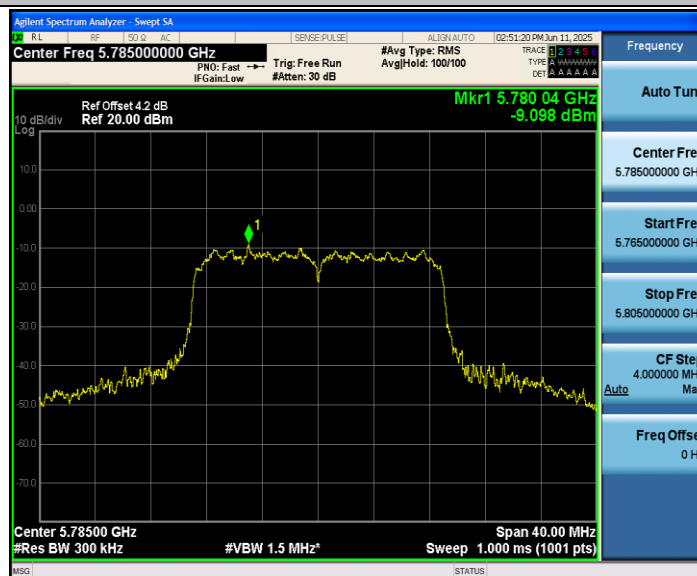




11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

