

FCC Appendix RF Test Data

FCC ID : 2AW5W-R88

Company : REXING INC.

EUT : Dash Camera

Model Number : R88

Report No. : CTA25062400801

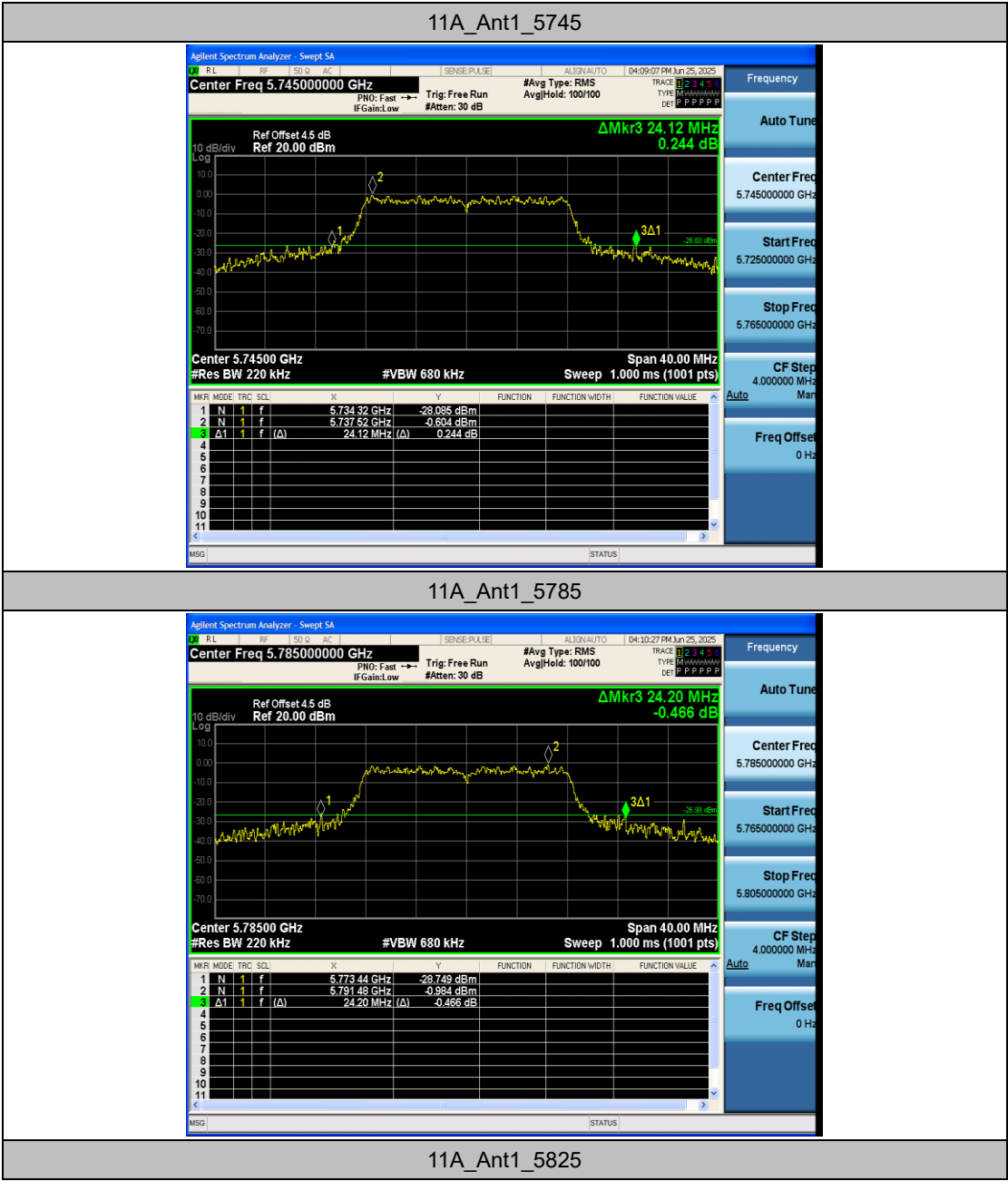
Reviewed By : Eric Wang

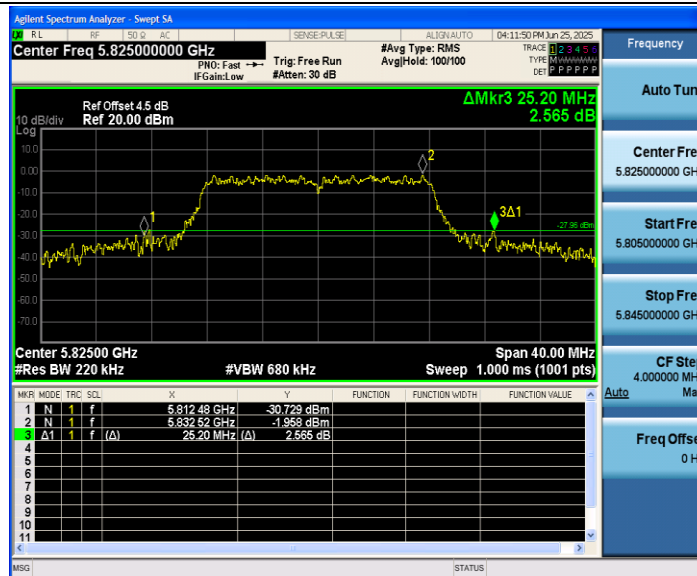
Appendix A1: Emission Bandwidth

Test Result

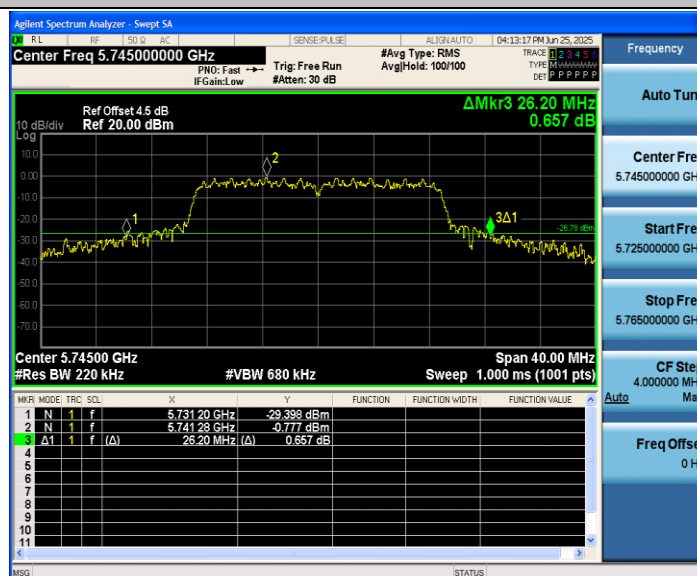
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	24.120	5734.320	5758.440	---	---
		5785	24.200	5773.440	5797.640	---	---
		5825	25.200	5812.480	5837.680	---	---
11N20SISO	Ant1	5745	26.200	5731.200	5757.400	---	---
		5785	25.120	5772.400	5797.520	---	---
		5825	25.280	5812.320	5837.600	---	---
11N40SISO	Ant1	5755	44.560	5731.000	5775.560	---	---
		5795	42.880	5774.280	5817.160	---	---

Test Graphs

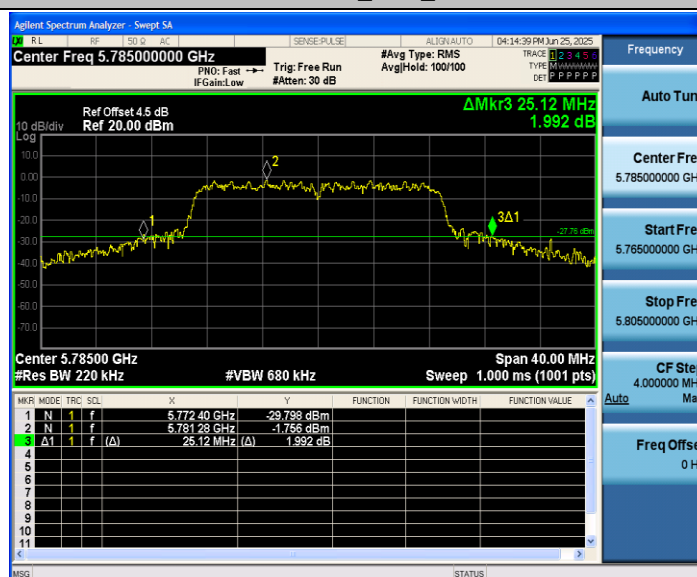




11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



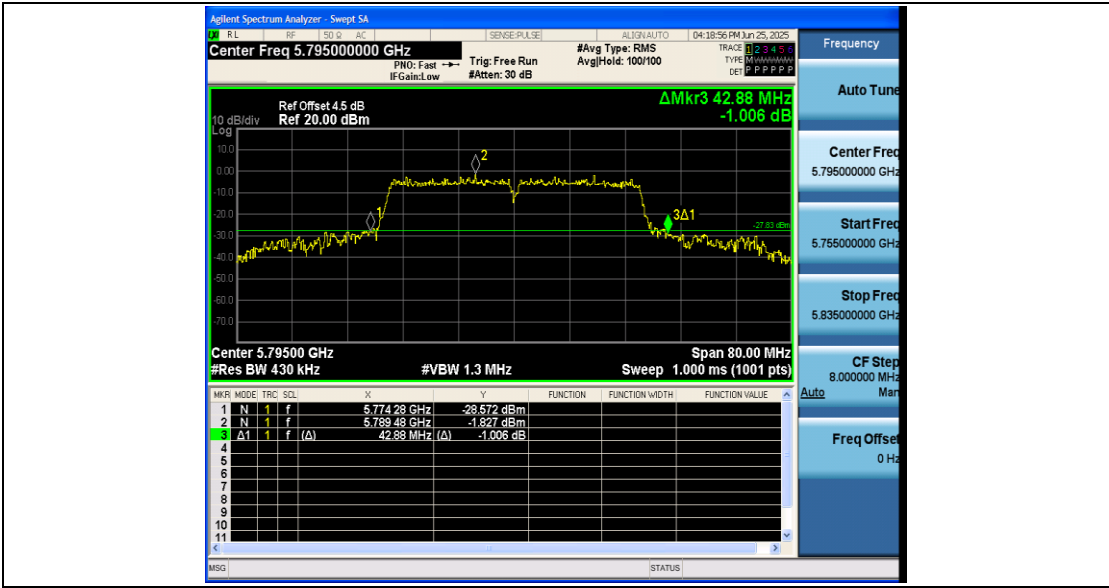
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

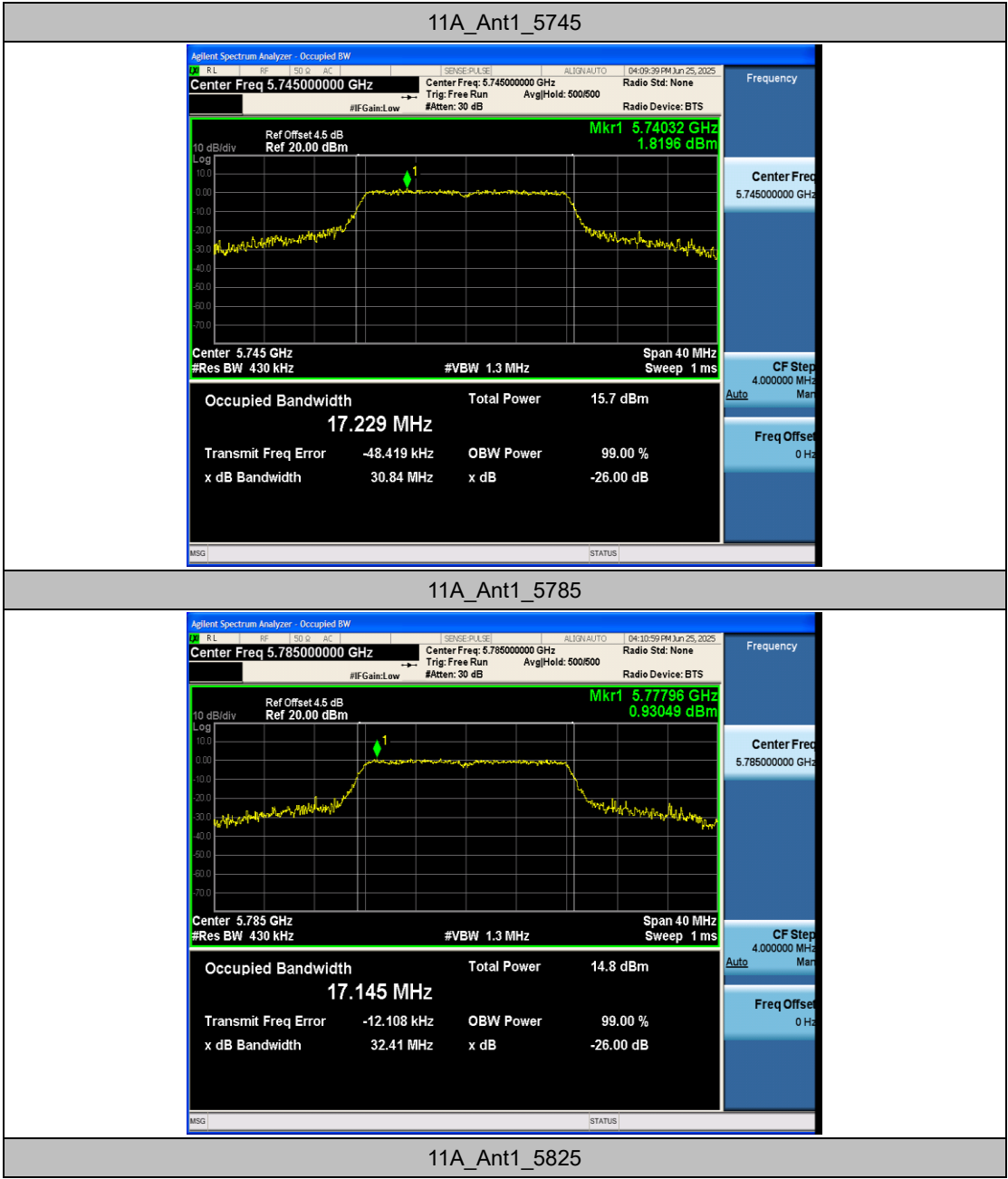


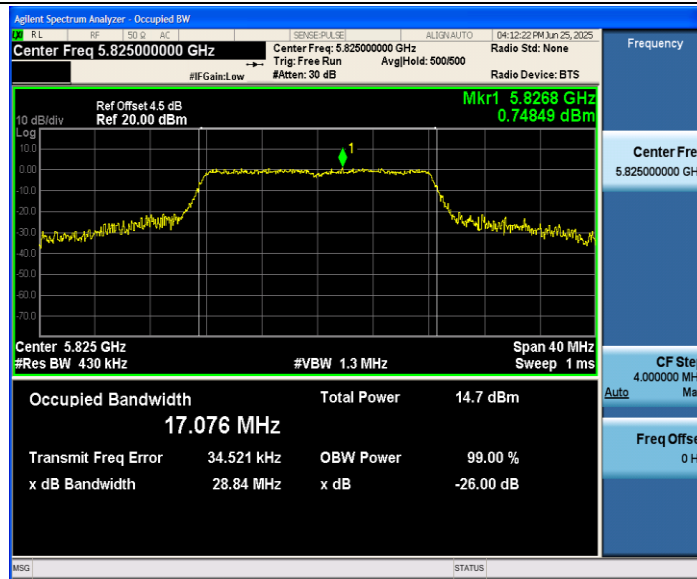
Appendix A2: Occupied channel bandwidth

Test Result

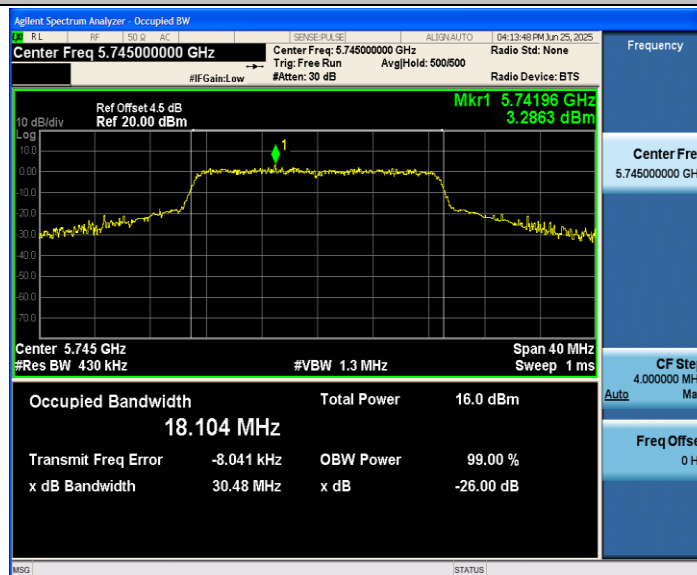
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.229	5736.3371	5753.5661	---	---
		5785	17.145	5776.4154	5793.5604	---	---
		5825	17.076	5816.4965	5833.5725	---	---
11N20SISO	Ant1	5745	18.104	5735.9400	5754.0440	---	---
		5785	18.121	5775.9558	5794.0768	---	---
		5825	18.064	5816.0422	5834.1062	---	---
11N40SISO	Ant1	5755	36.654	5736.5902	5773.2442	---	---
		5795	36.502	5776.7611	5813.2631	---	---

Test Graphs

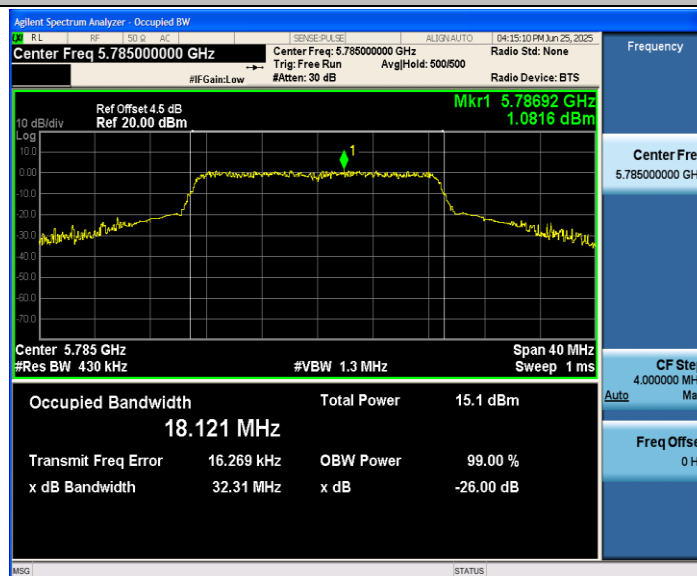




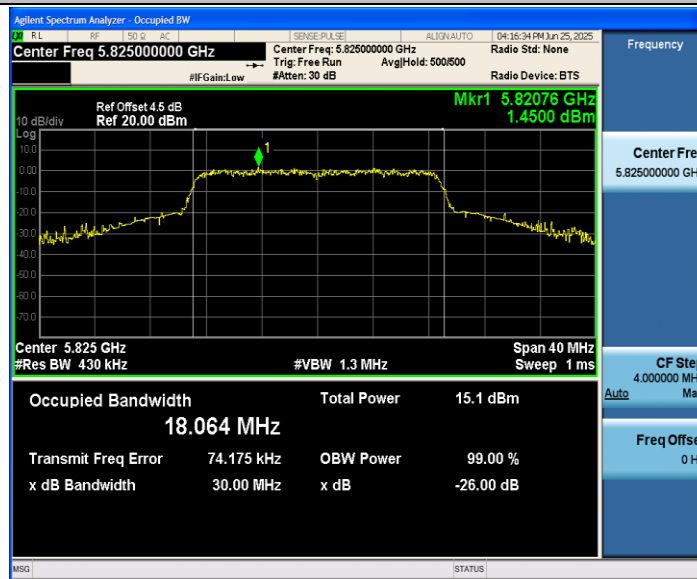
11N20SISO_Ant1_5745



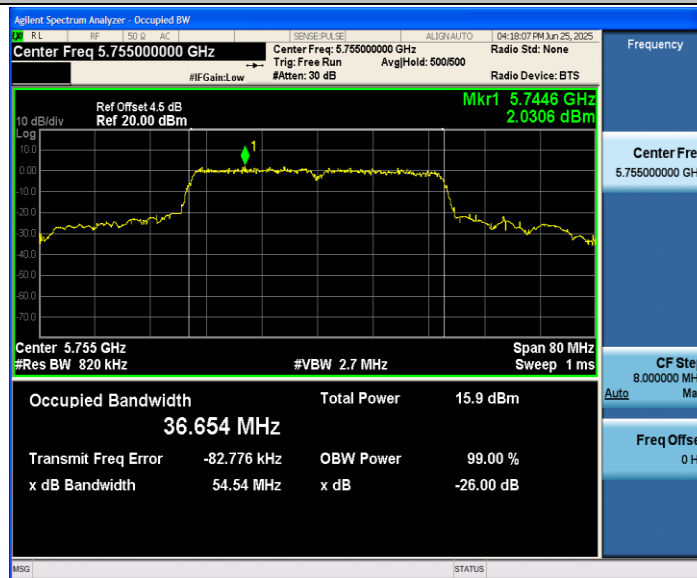
11N20SISO_Ant1_5785



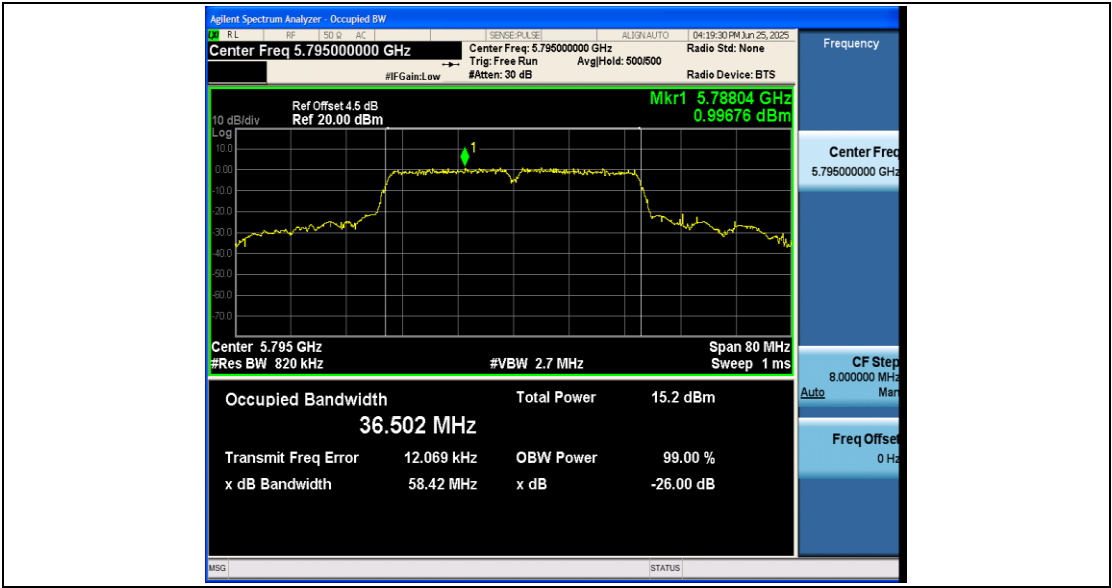
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



Appendix A3: Min emission bandwidth

Test Result B4

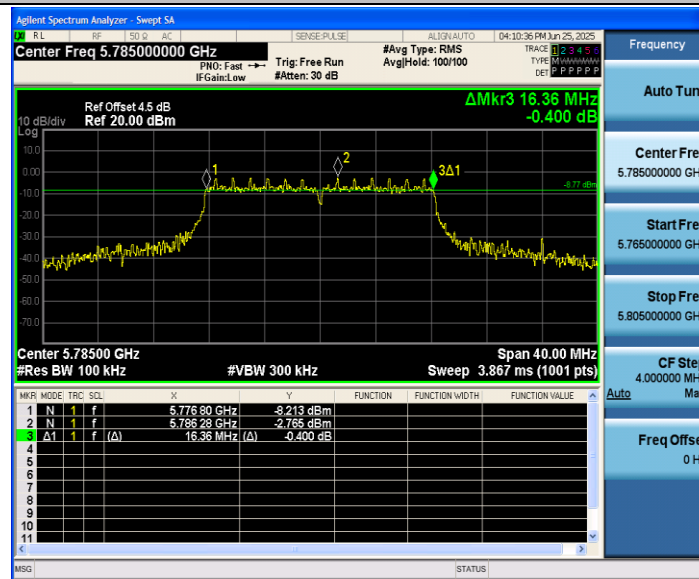
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.240	5736.880	5753.120	0.5	PASS
		5785	16.360	5776.800	5793.160	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.240	5736.360	5753.600	0.5	PASS
		5785	16.840	5776.480	5793.320	0.5	PASS
		5825	17.080	5816.520	5833.600	0.5	PASS
11N40SISO	Ant1	5755	35.280	5737.240	5772.520	0.5	PASS
		5795	35.520	5777.400	5812.920	0.5	PASS

Test Graphs B4

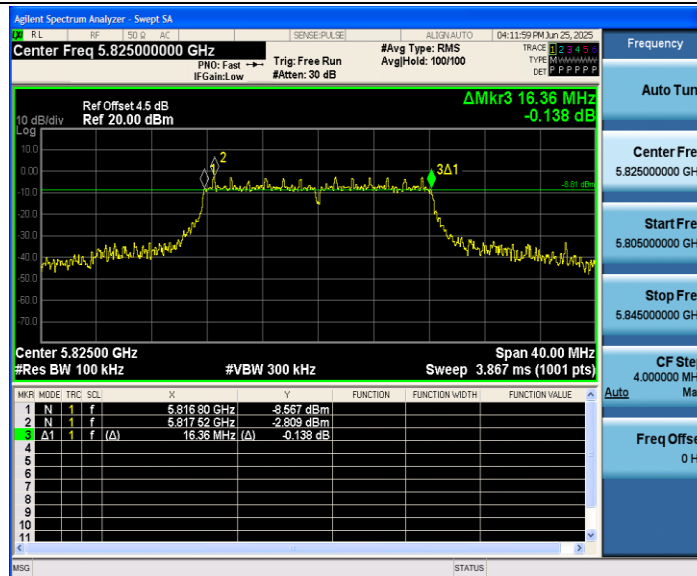
11A_Ant1_5745



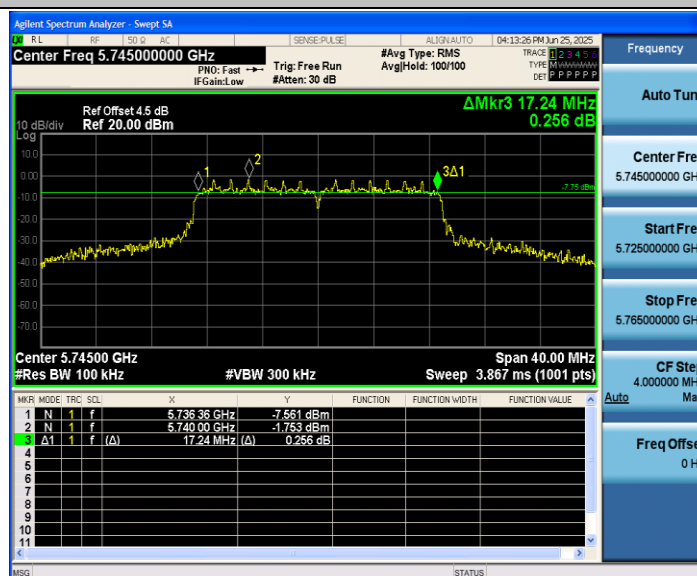
11A_Ant1_5785



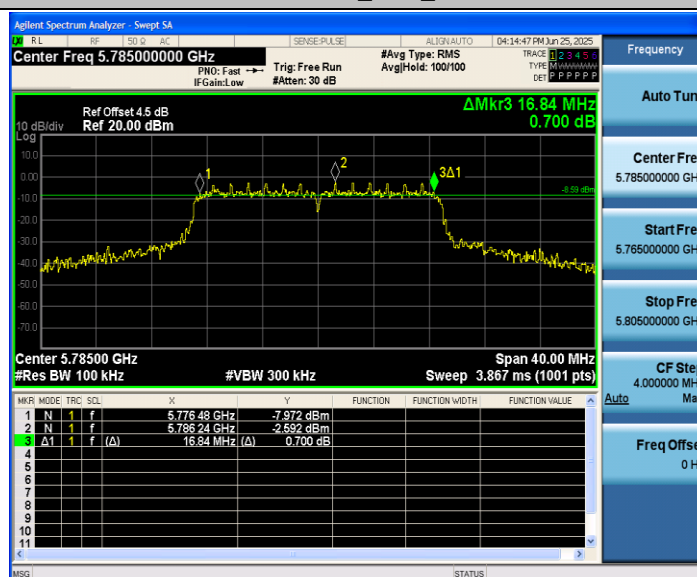
11A_Ant1_5825



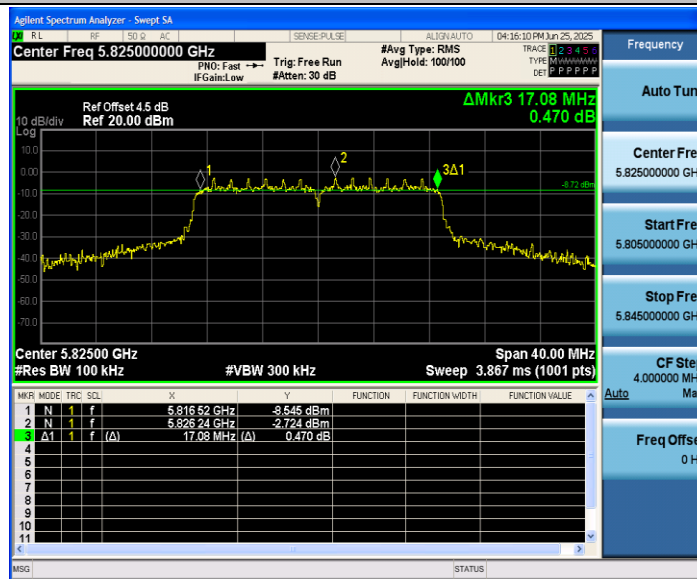
11N20SISO_Ant1_5745



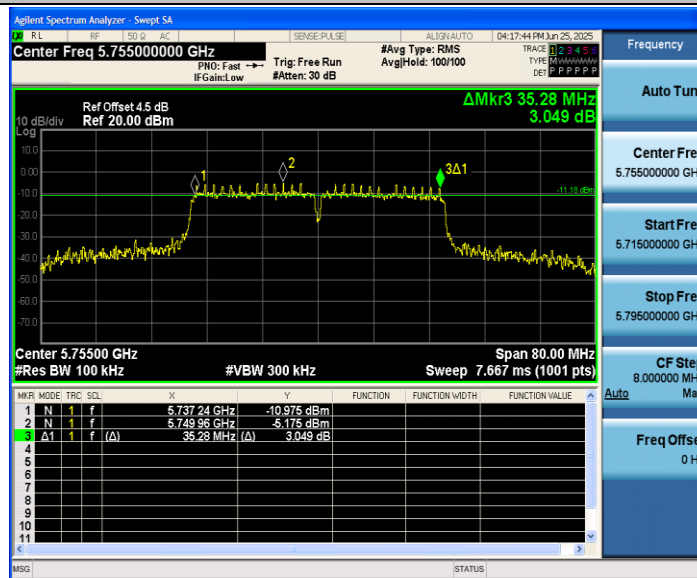
11N20SISO_Ant1_5785



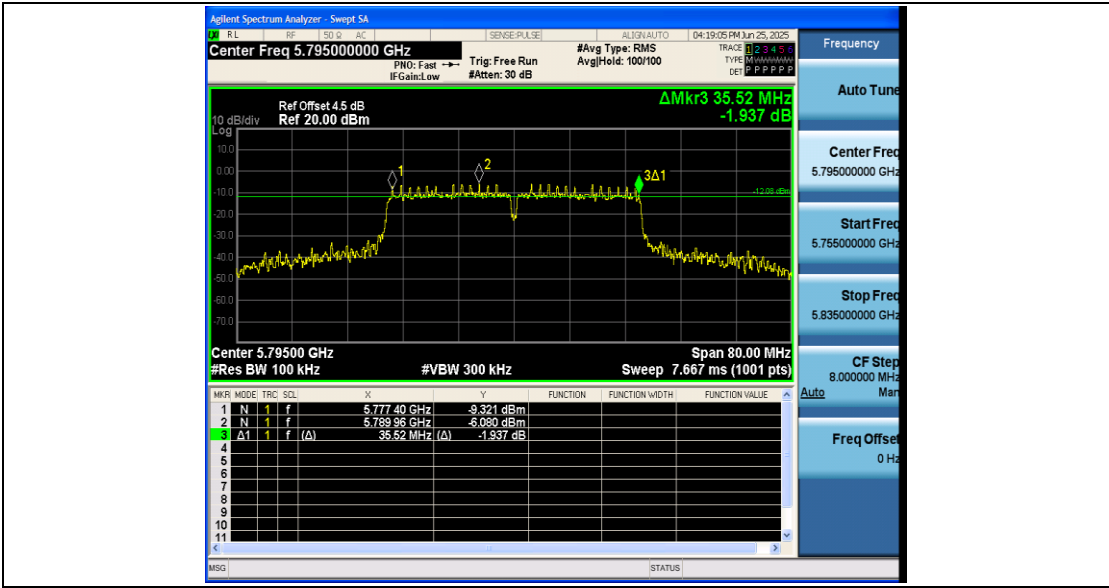
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

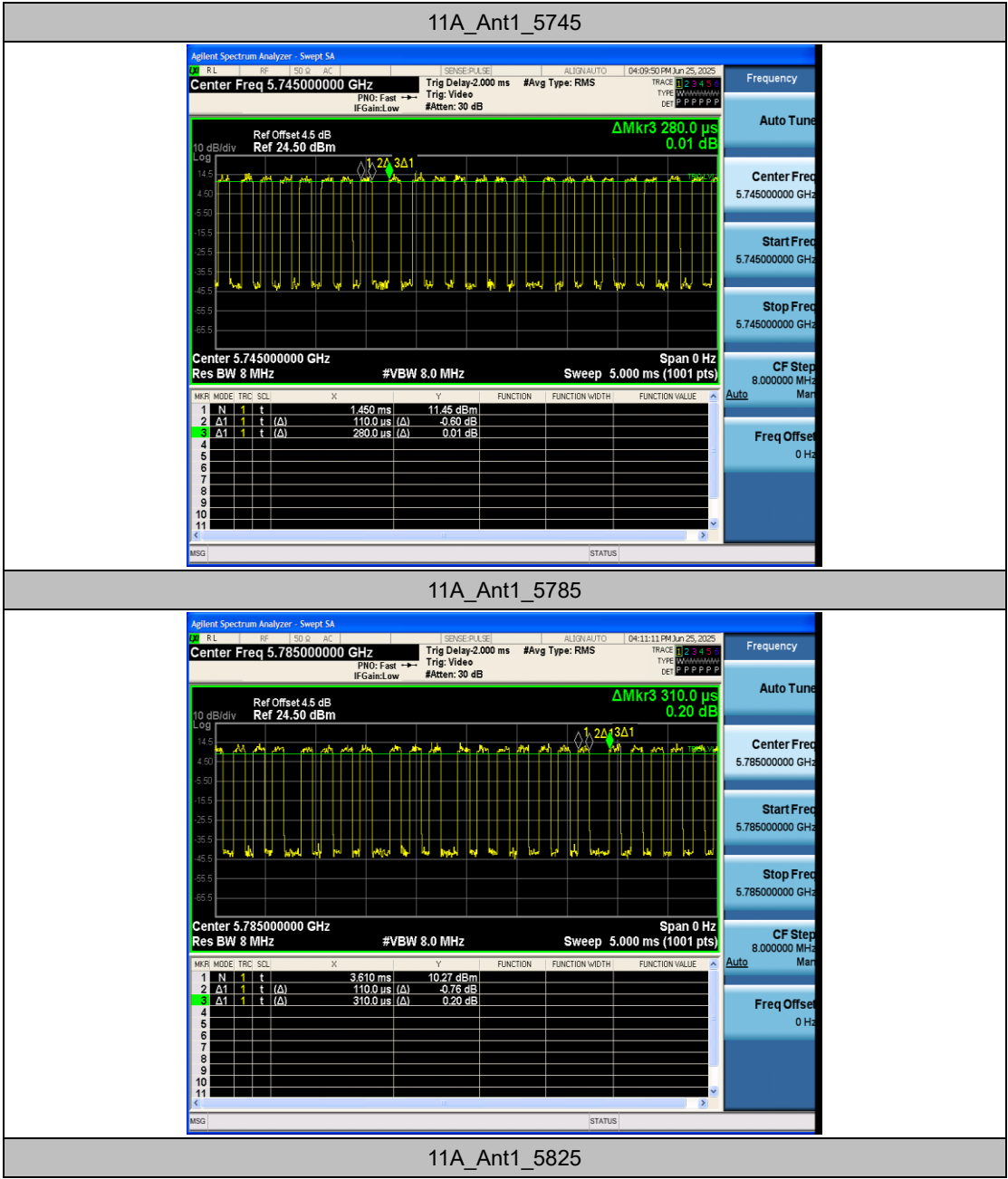


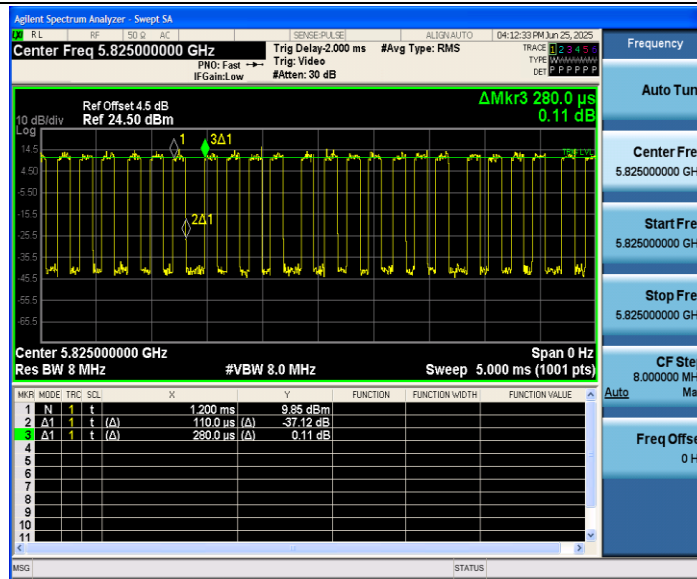
Appendix B: Duty Cycle

Test Result

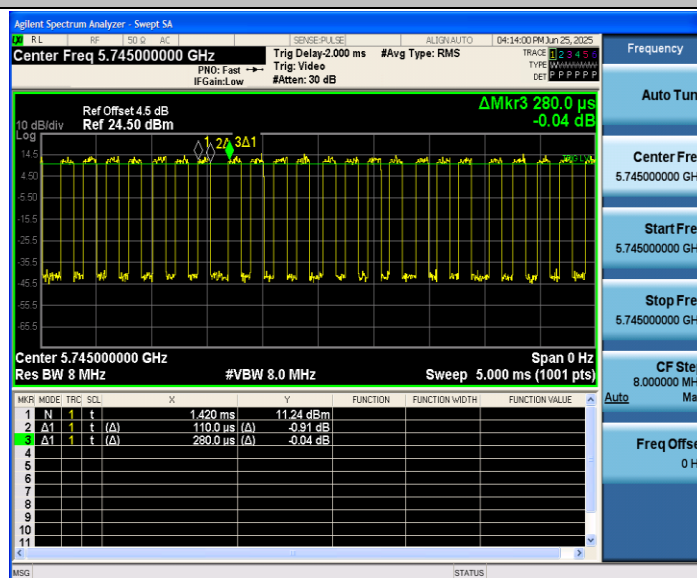
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5745	0.11	0.28	39.29	4.06	---	---
		5785	0.11	0.31	35.48	4.50	---	---
		5825	0.11	0.28	39.29	4.06	---	---
11N20SISO	Ant1	5745	0.11	0.28	39.29	4.06	---	---
		5785	0.11	0.32	34.38	4.64	---	---
		5825	0.11	0.32	34.38	4.64	---	---
11N40SISO	Ant1	5755	0.08	0.26	30.77	5.12	---	---
		5795	0.08	0.29	27.59	5.59	---	---

Test Graphs

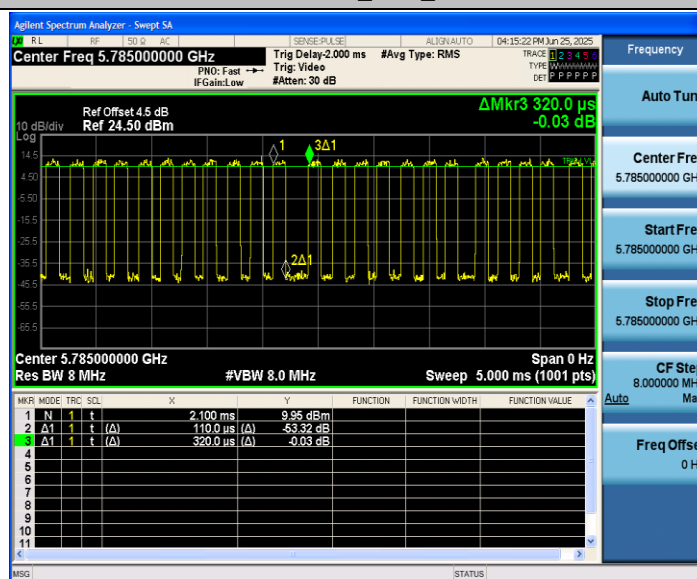




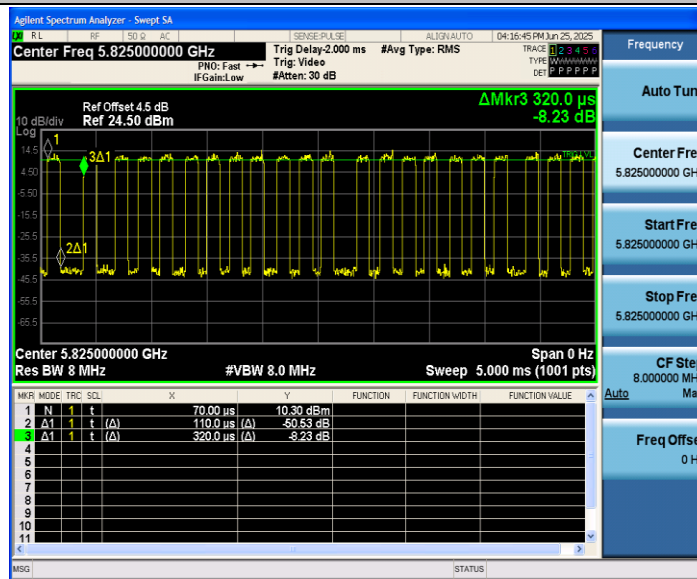
11N20SISO_Ant1_5745



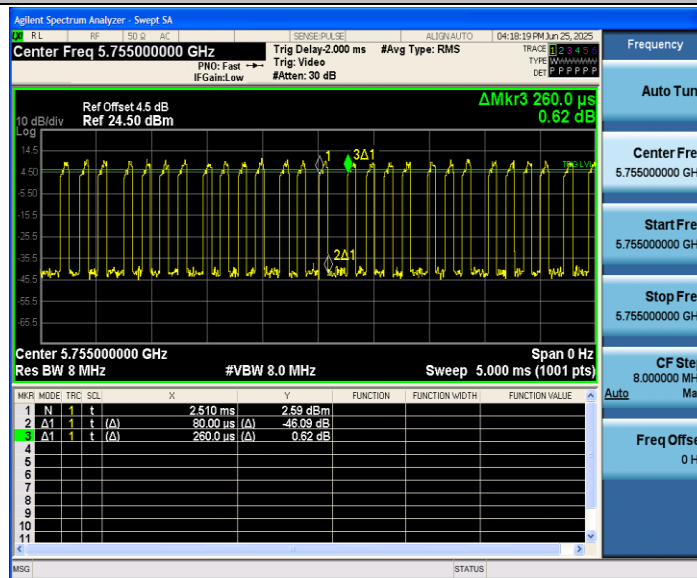
11N20SISO_Ant1_5785



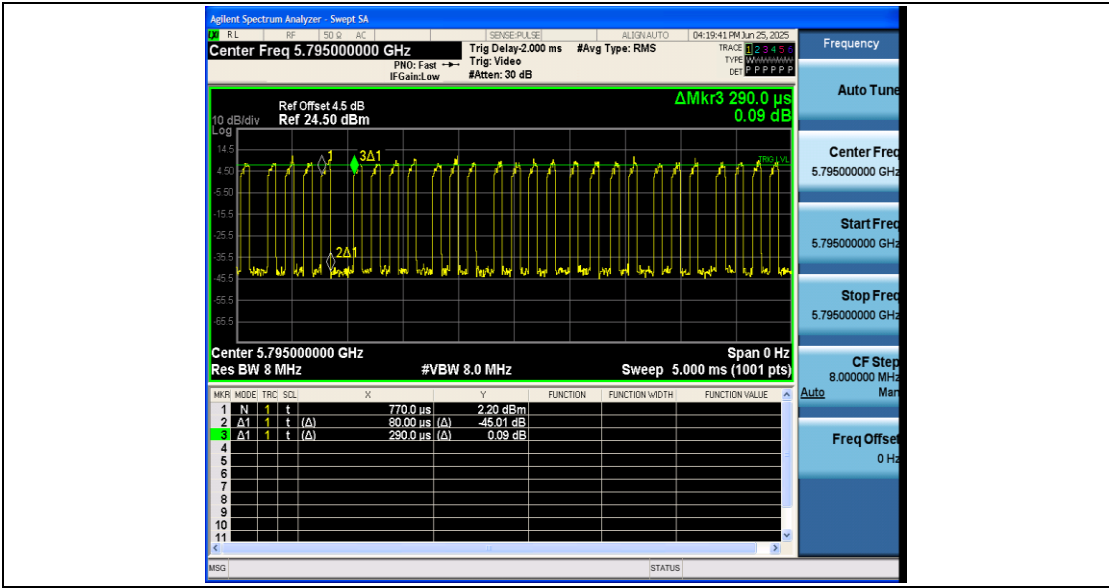
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



Appendix C: Maximum conducted output power

Test Mode	Antenna	Freq(MHz)	TPC Mode	Channel Power [dBm]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	NA	6.45	4.06	10.51	≤30.00	PASS
		5785	NA	5.60	4.50	10.10	≤30.00	PASS
		5825	NA	5.46	4.06	9.52	≤30.00	PASS
11N20SI SO	Ant1	5745	NA	6.47	4.06	10.53	≤30.00	PASS
		5785	NA	5.54	4.64	10.18	≤30.00	PASS
		5825	NA	5.49	4.64	10.13	≤30.00	PASS
11N40SI SO	Ant1	5755	NA	4.60	5.12	9.72	≤30.00	PASS
		5795	NA	3.93	5.59	9.52	≤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	-8.762	2.22	4.06	-2.48	≤30.00	PASS
		5785	-9.504	2.22	4.50	-2.78	≤30.00	PASS
		5825	-9.811	2.22	4.06	-3.53	≤30.00	PASS
11N20SISO	Ant1	5745	-8.500	2.22	4.06	-2.22	≤30.00	PASS
		5785	-8.977	2.22	4.64	-2.12	≤30.00	PASS
		5825	-9.884	2.22	4.64	-3.02	≤30.00	PASS
11N40SISO	Ant1	5755	-12.563	2.22	5.12	-5.22	≤30.00	PASS
		5795	-13.608	2.22	5.59	-5.80	≤30.00	PASS

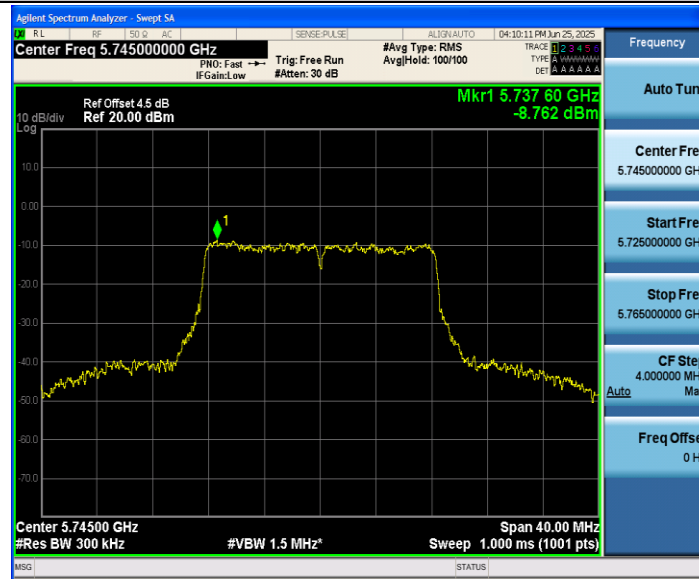
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

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.

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



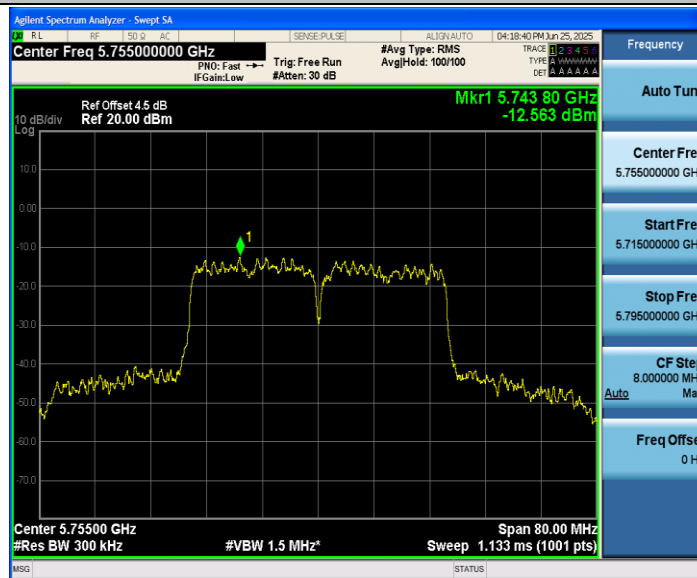
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

