

FCC Appendix RF Test Data

FCC ID : 2AW5W-SC4KS

Company: : REXING INC.

EUT : Dash Cam

Model Number : SC4KS

Report No. : CTA25060300101

Reviewed By : Eric Wang

Appendix A1: Emission Bandwidth

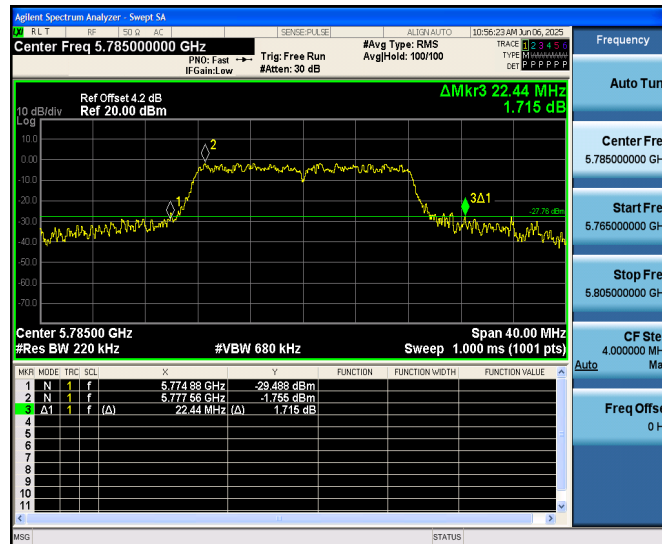
Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	24.040	5731.840	5755.880	---	---
		5785	22.440	5774.880	5797.320	---	---
		5825	24.000	5811.520	5835.520	---	---
11N20SISO	Ant1	5745	29.200	5731.000	5760.200	---	---
		5785	24.680	5772.840	5797.520	---	---
		5825	24.880	5812.760	5837.640	---	---
11N40SISO	Ant1	5755	53.200	5723.960	5777.160	---	---
		5795	58.160	5767.800	5825.960	---	---

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



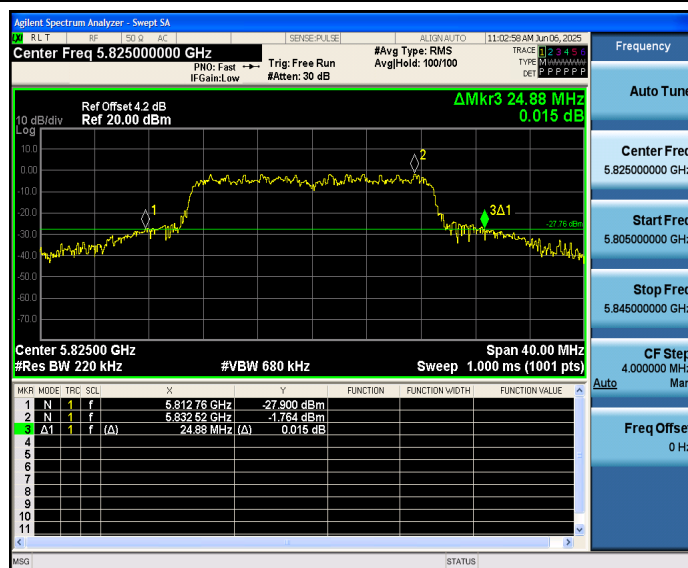
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

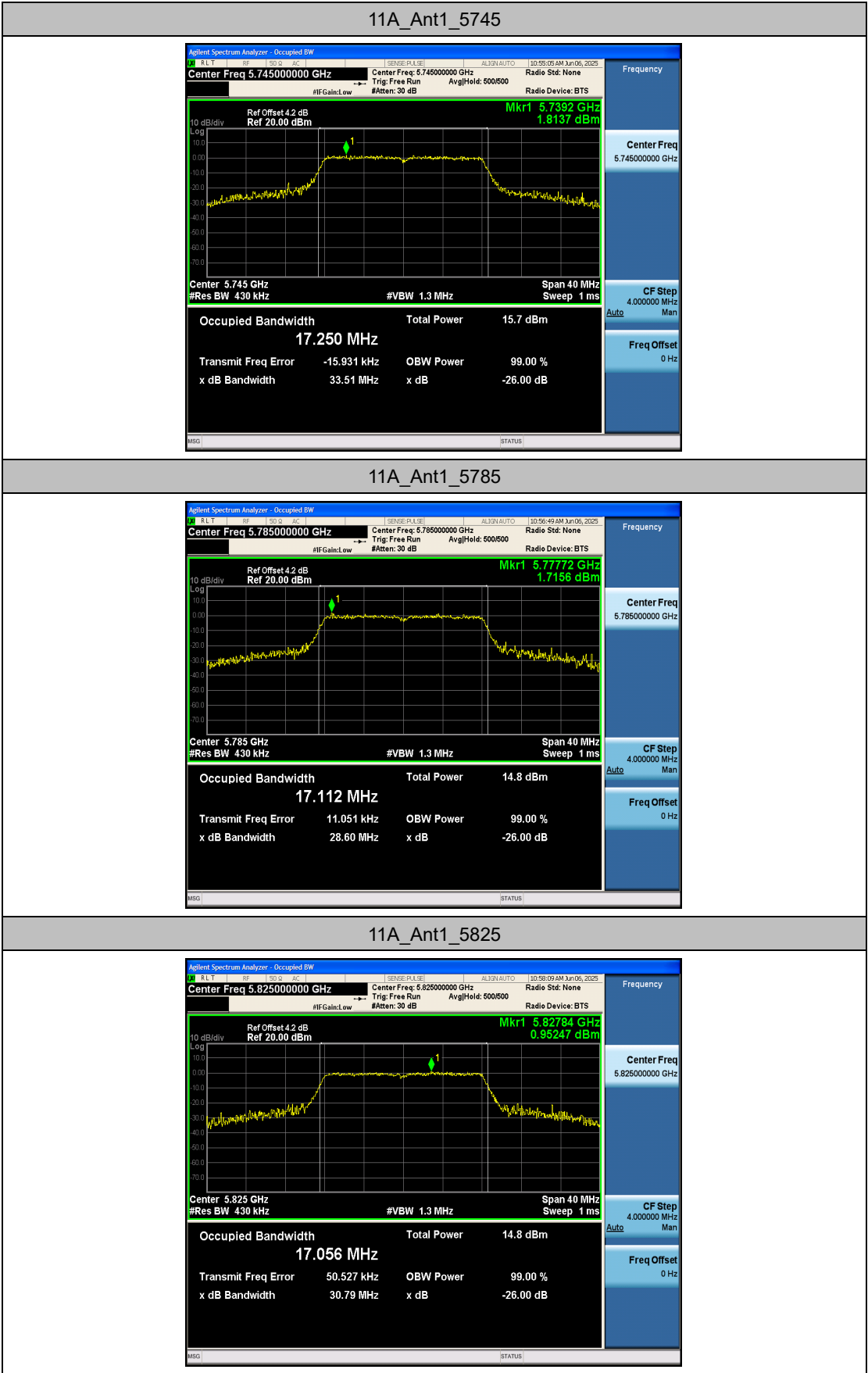


Appendix A2: Occupied channel bandwidth

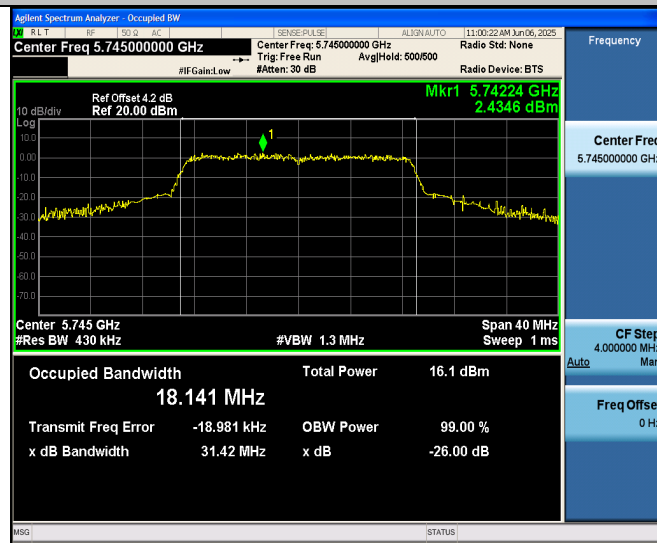
Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.250	5736.3591	5753.6091	---	---
		5785	17.112	5776.4551	5793.5671	---	---
		5825	17.056	5816.5225	5833.5785	---	---
11N20SISO	Ant1	5745	18.141	5735.9105	5754.0515	---	---
		5785	18.122	5775.9623	5794.0843	---	---
		5825	18.085	5815.9943	5834.0793	---	---
11N40SISO	Ant1	5755	36.605	5736.6387	5773.2437	---	---
		5795	36.481	5776.7797	5813.2607	---	---

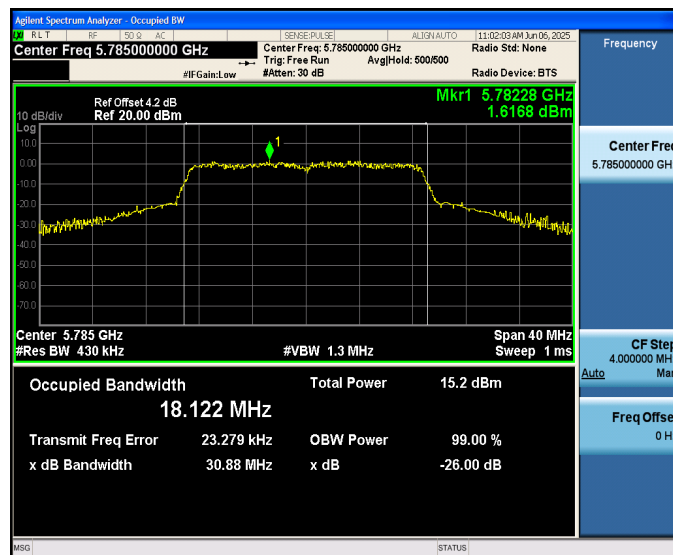
Test Graphs



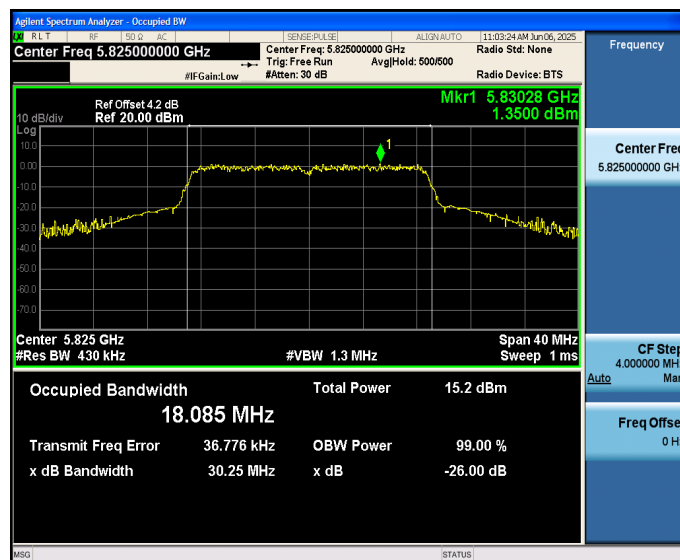
11N20SISO_Ant1_5745



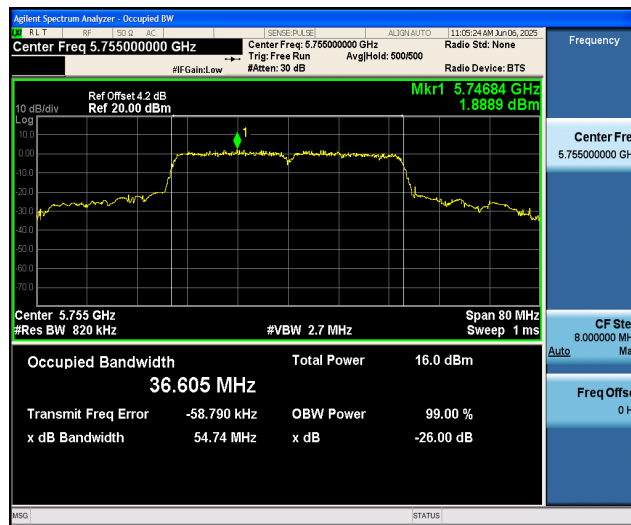
11N20SISO_Ant1_5785



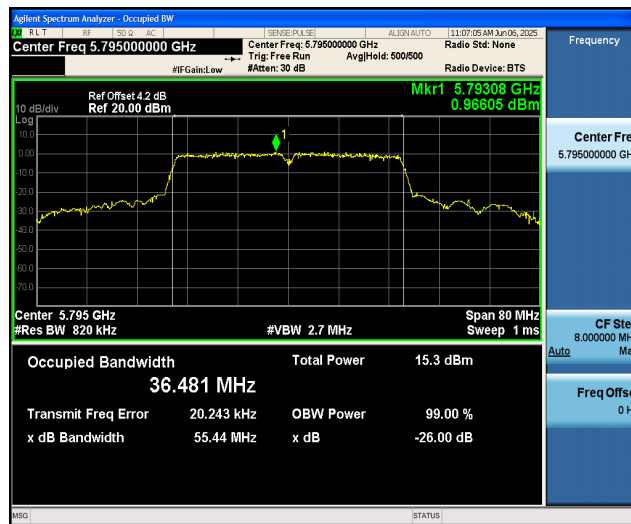
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

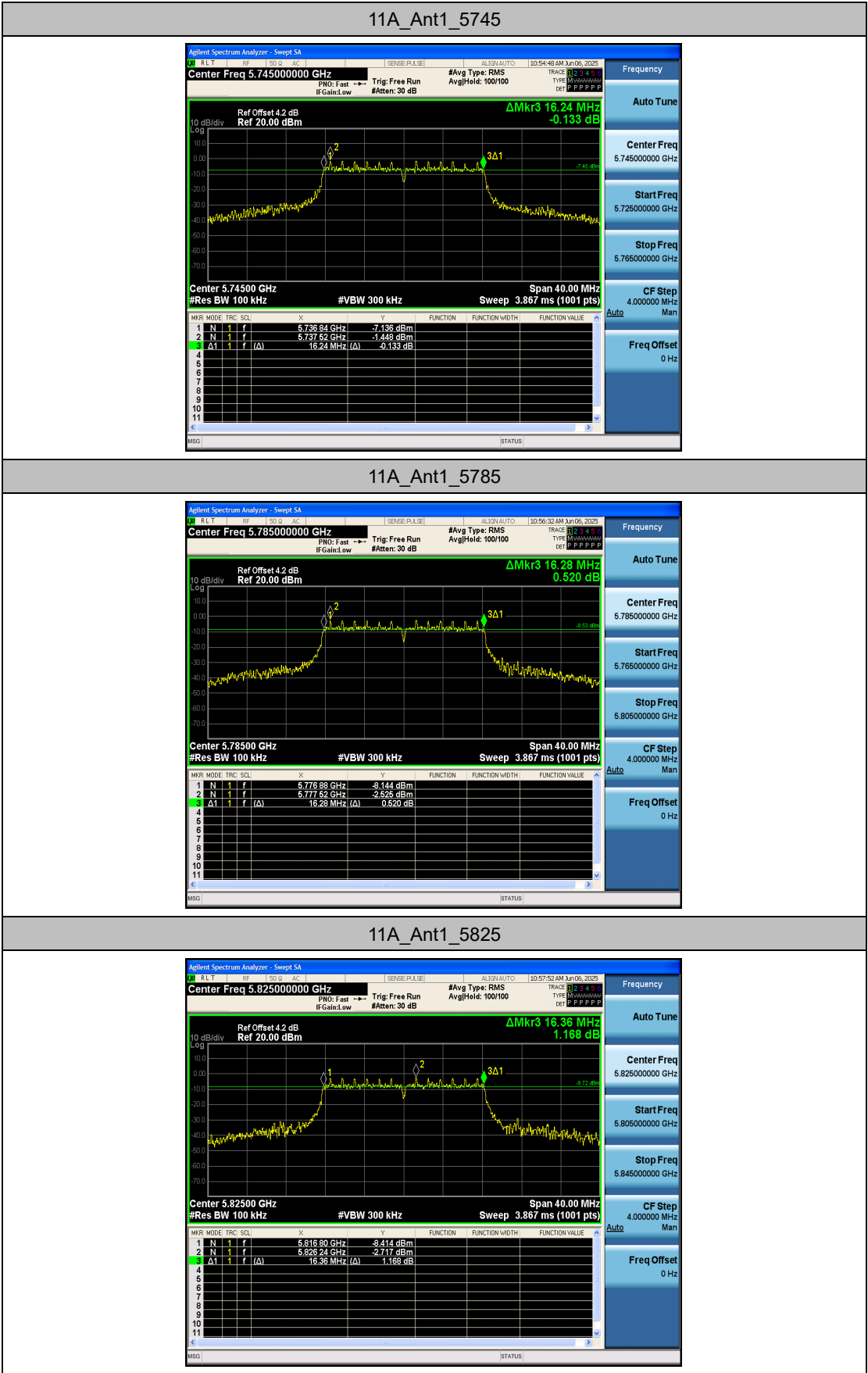


Appendix A3: Min emission bandwidth

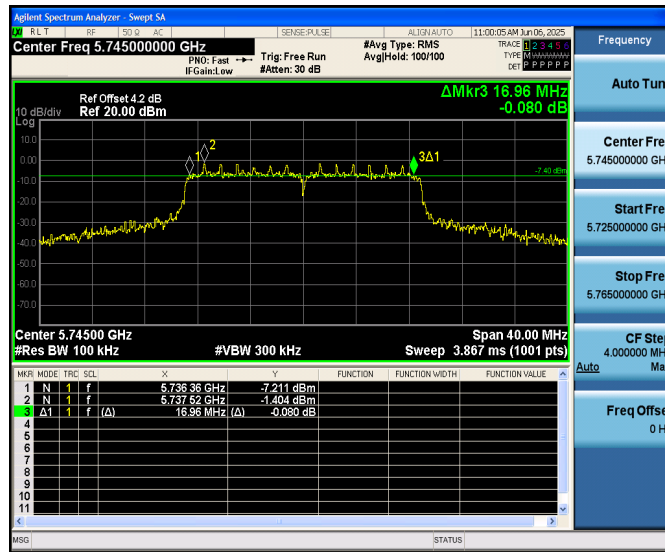
Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.240	5736.840	5753.080	0.5	PASS
		5785	16.280	5776.880	5793.160	0.5	PASS
		5825	16.360	5816.800	5833.160	0.5	PASS
11N20SISO	Ant1	5745	16.960	5736.360	5753.320	0.5	PASS
		5785	16.600	5776.760	5793.360	0.5	PASS
		5825	17.120	5816.400	5833.520	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

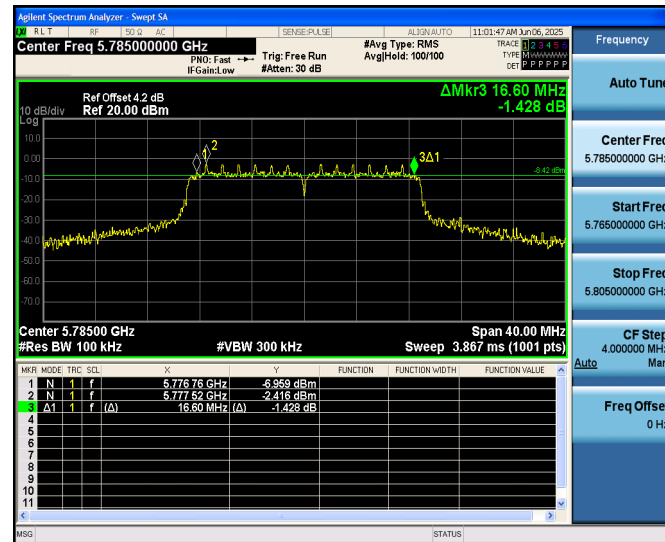
Test Graphs B4



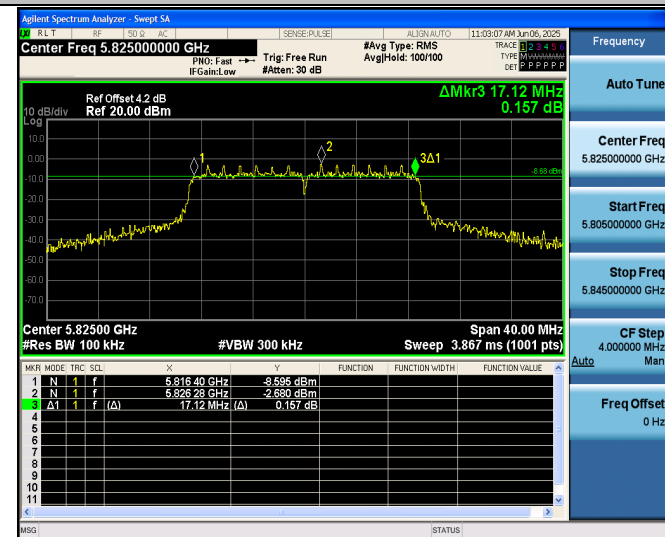
11N20SISO_Ant1_5745



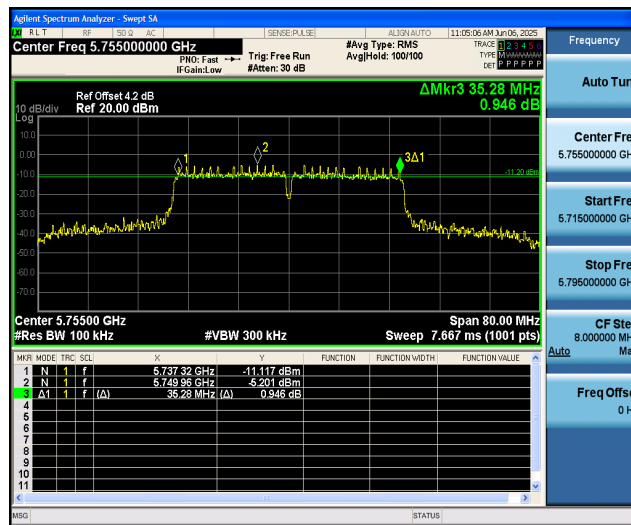
11N20SISO_Ant1_5785



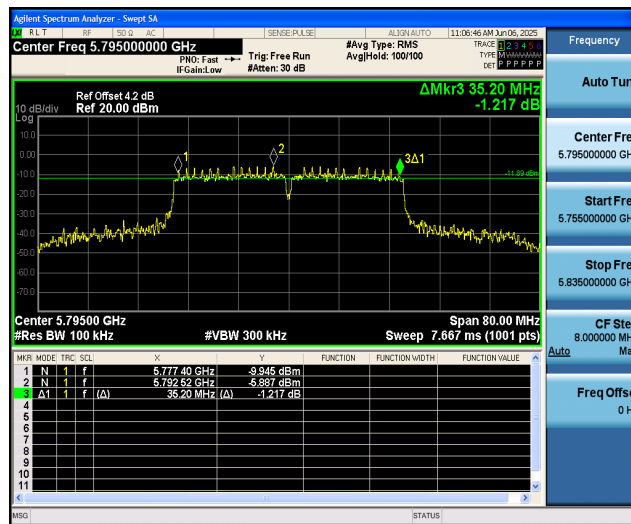
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

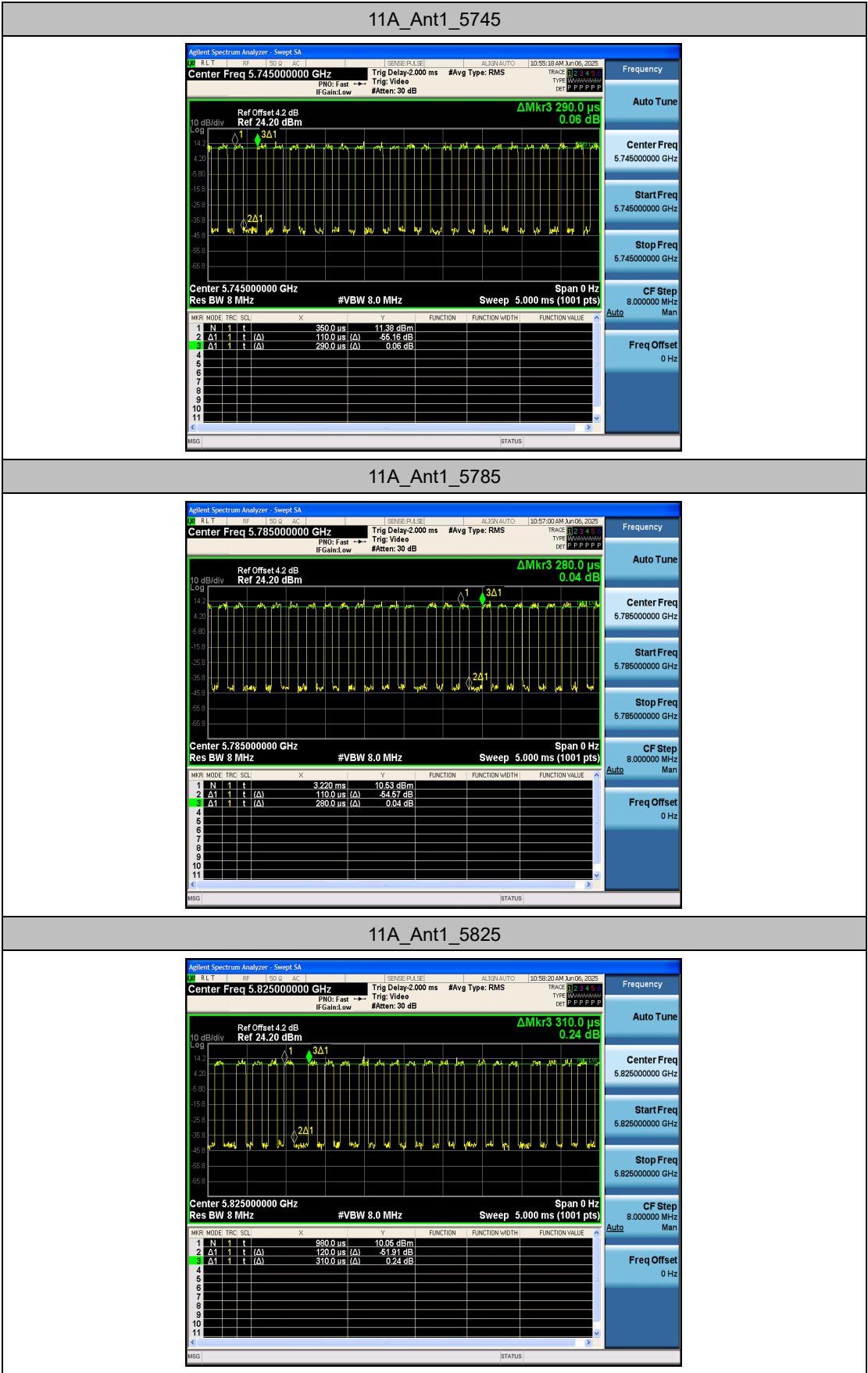


Appendix B: Duty Cycle

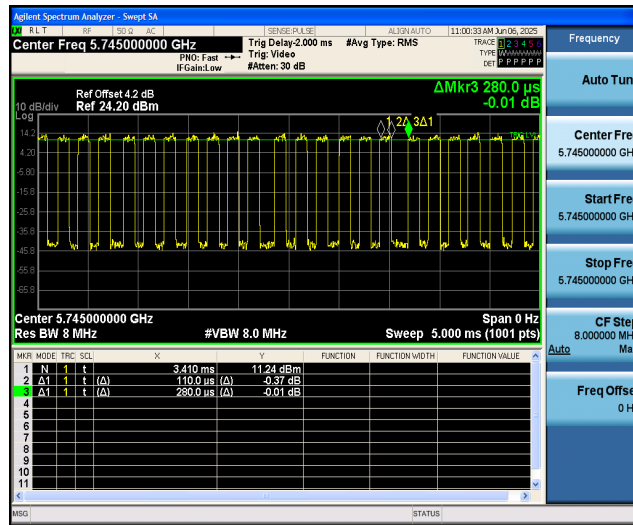
Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5745	0.11	0.29	37.93	4.21	---	---
		5785	0.11	0.28	39.29	4.06	---	---
		5825	0.12	0.31	38.71	4.12	---	---
11N20SISO	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	---	---
11N40SISO	Ant1	5755	0.07	0.27	25.93	5.86	---	---
		5795	0.07	0.25	28.00	5.53	---	---

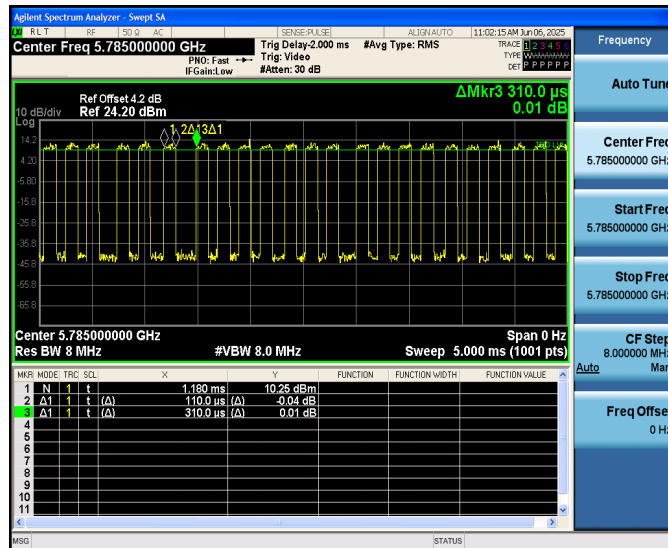
Test Graphs



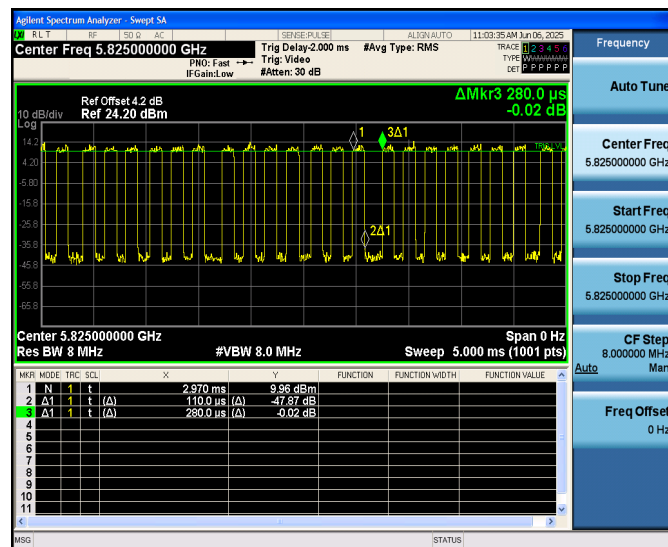
11N20SISO_Ant1_5745



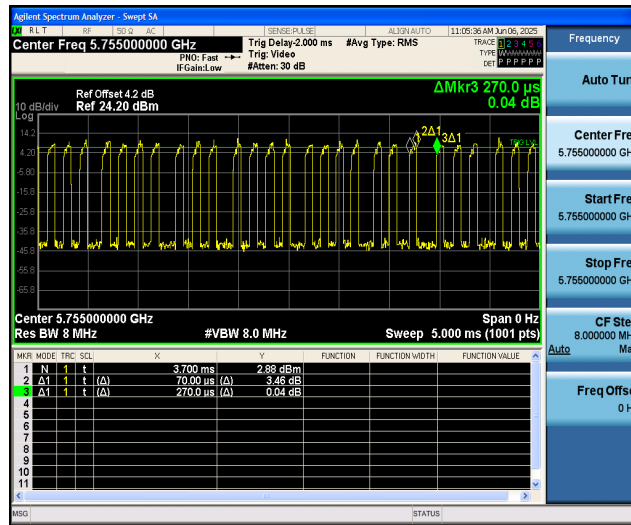
11N20SISO_Ant1_5785



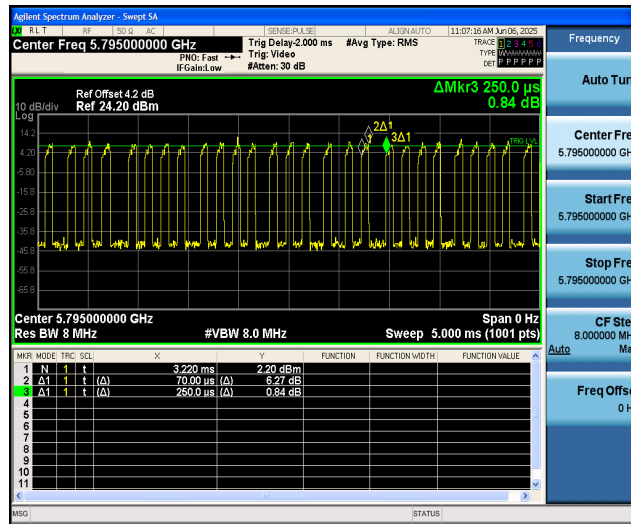
11N20SISO_Ant1_5825



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	6.46	37.93	4.21	10.67	≤30.00	PASS
		5785	5.59	39.29	4.06	9.65	≤30.00	PASS
		5825	5.44	38.71	4.12	9.56	≤30.00	PASS
11N20SISO	Ant1	5745	6.49	39.29	4.06	10.55	≤30.00	PASS
		5785	5.64	35.48	4.50	10.14	≤30.00	PASS
		5825	5.57	39.29	4.06	9.63	≤30.00	PASS
11N40SISO	Ant1	5755	4.63	25.93	5.86	10.49	≤30.00	PASS
		5795	3.98	28.00	5.53	9.51	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

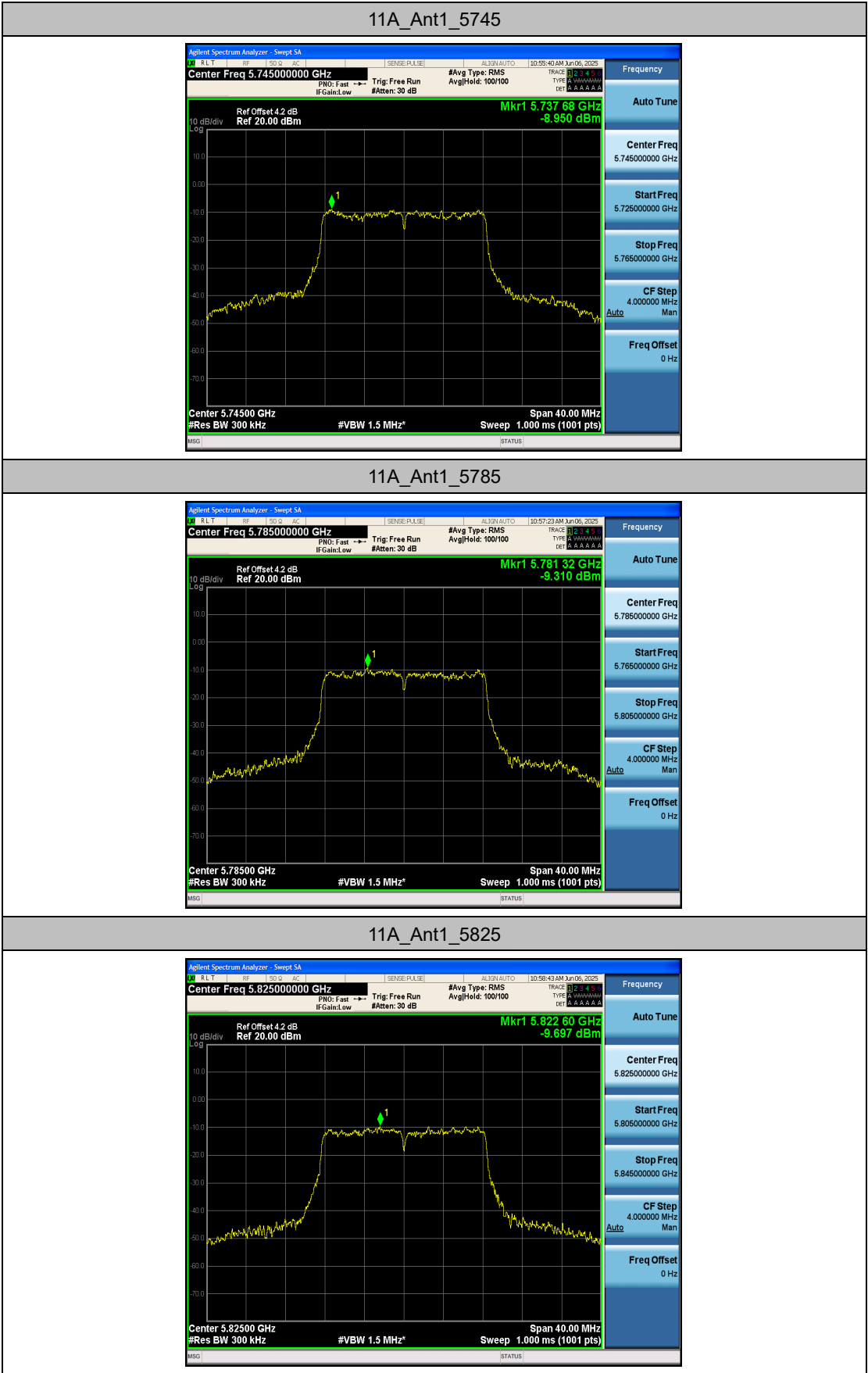
TestMode	Antenna	Freq(MHz)	Result [dBm/300KHz]	RBW Factor (dB)	Duty factor (dB)	Result [dBm/500KHz]	Limit [dBm/500KHz]	Verdict
11A	Ant1	5745	-8.950	2.22	4.21	-2.52	≤30.00	PASS
		5785	-9.310	2.22	4.06	-3.03	≤30.00	PASS
		5825	-9.697	2.22	4.12	-3.36	≤30.00	PASS
11N20SISO	Ant1	5745	-8.130	2.22	4.06	-1.85	≤30.00	PASS
		5785	-9.081	2.22	4.50	-2.36	≤30.00	PASS
		5825	-9.467	2.22	4.06	-3.19	≤30.00	PASS
11N40SISO	Ant1	5755	-12.466	2.22	5.86	-4.39	≤30.00	PASS
		5795	-13.245	2.22	5.53	-5.50	≤30.00	PASS

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

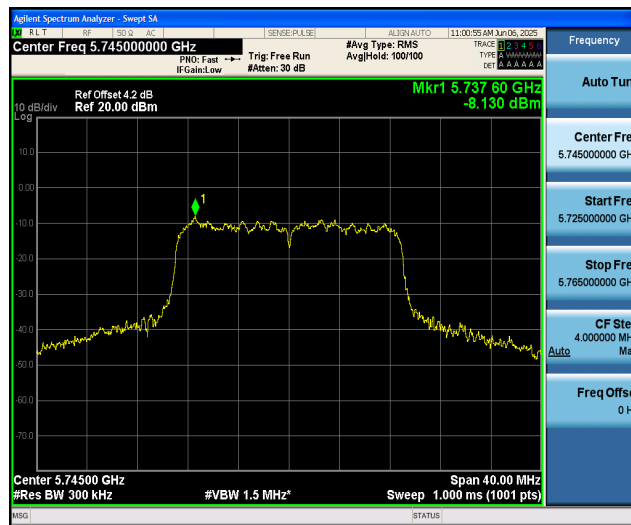
P.S.D(dBm/500KHz)= P.S.D(dBm/300KHz)+10 log (500 kHz/300KHz).

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

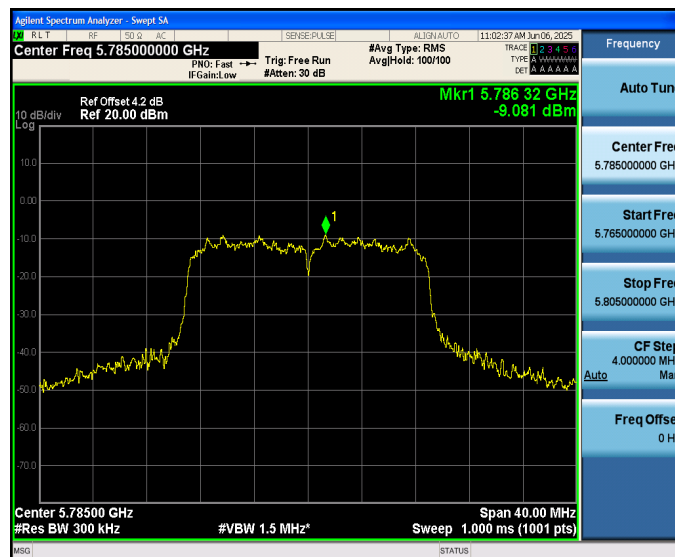
Test Graphs



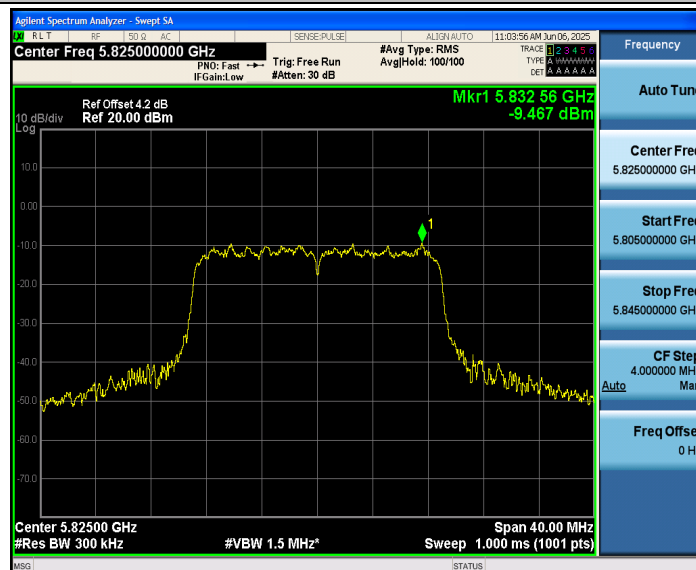
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

