

FCC Appendix RF Test Data

FCC ID : 2AQ3A-STP41GR0525

Company : Shenzhen VanTop Technology & Innovation Co., Ltd.

EUT : Remote

Model Number : DR-STP41G

Report No. : CTA25051001301

Reviewed By : Eric Wang

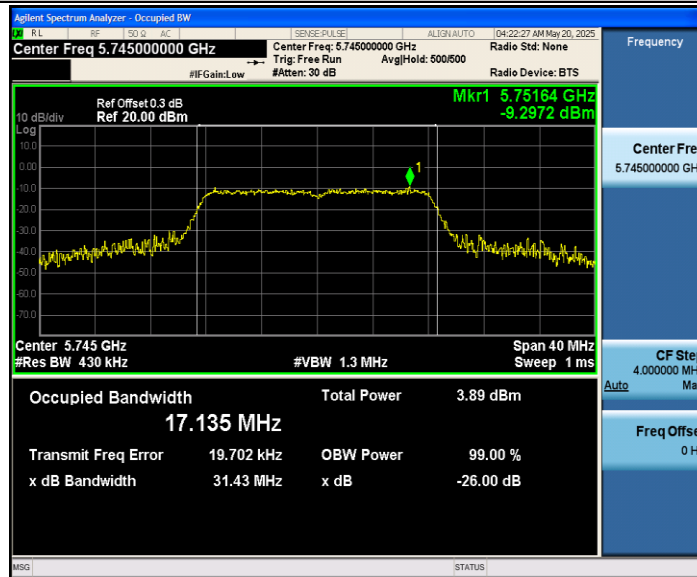
Appendix A1: Occupied channel bandwidth

Test Result

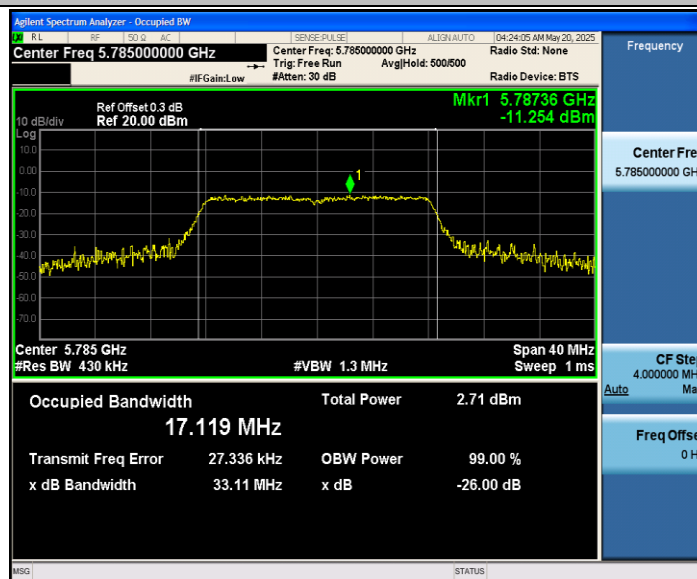
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.135	5736.4522	5753.5872	---	---
		5785	17.119	5776.4678	5793.5868	---	---
		5825	17.171	5816.4882	5833.6592	---	---
11N20SISO	Ant1	5745	18.212	5735.9302	5754.1422	---	---
		5785	18.204	5775.9551	5794.1591	---	---
		5825	18.196	5816.0185	5834.2145	---	---
11N40SISO	Ant1	5755	36.440	5736.7371	5773.1771	---	---
		5795	36.458	5776.8018	5813.2598	---	---
11AC20SISO	Ant1	5745	17.920	5736.0438	5753.9638	---	---
		5785	17.901	5776.0780	5793.9790	---	---
		5825	17.905	5816.1130	5834.0180	---	---
11AC40SISO	Ant1	5755	36.390	5736.7901	5773.1801	---	---
		5795	36.408	5776.8388	5813.2468	---	---
11AC80SISO	Ant1	5775	76.102	5737.0133	5813.1153	---	---

Test Graphs

11A_Ant1_5745



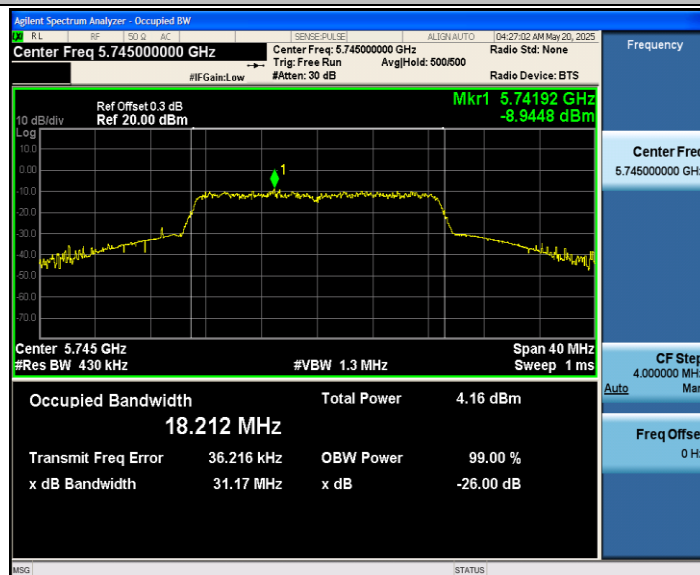
11A_Ant1_5785



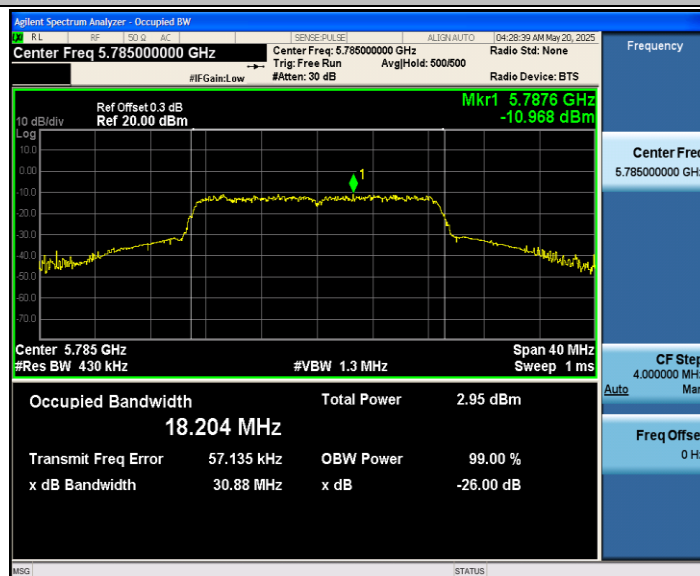
11A_Ant1_5825



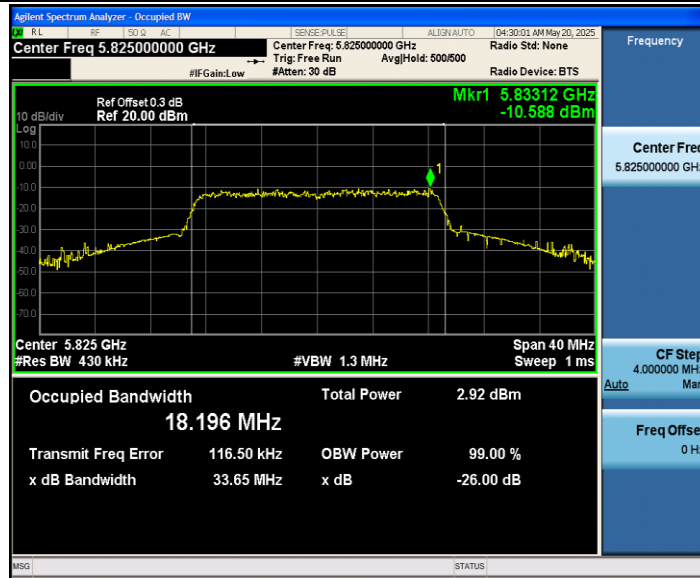
11N20SISO_Ant1_5745



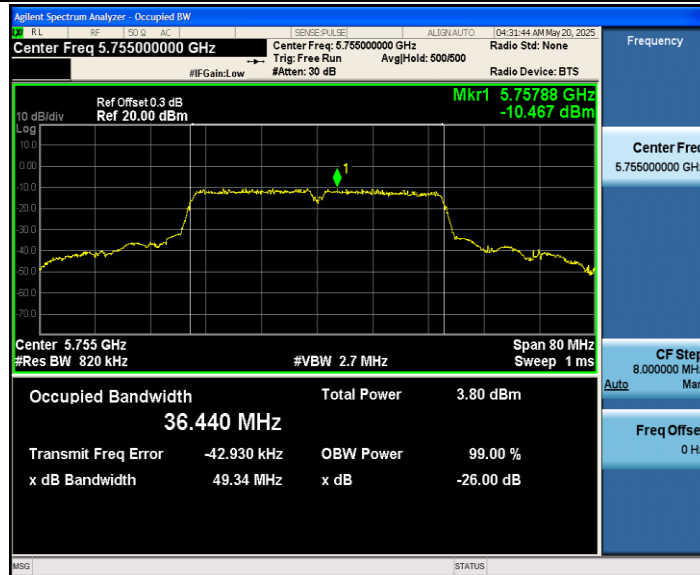
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



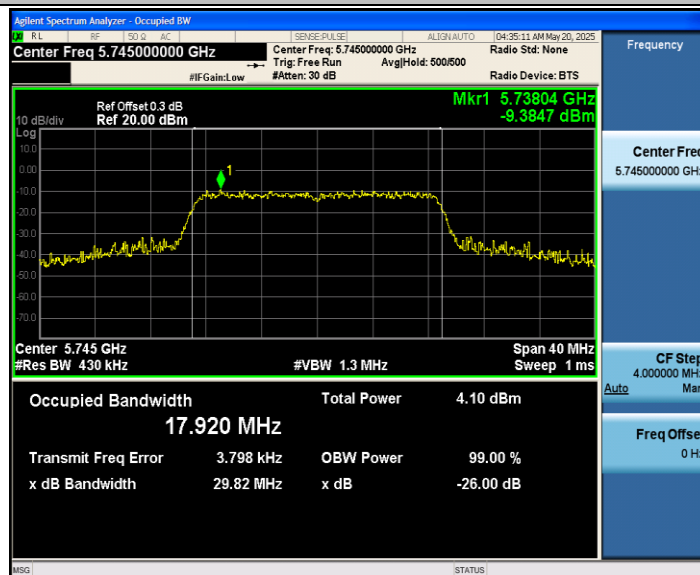
11N40SISO_Ant1_5755



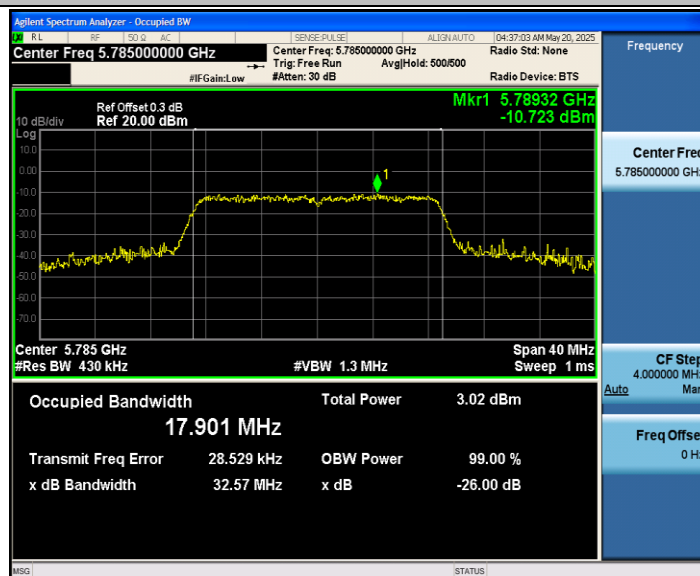
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



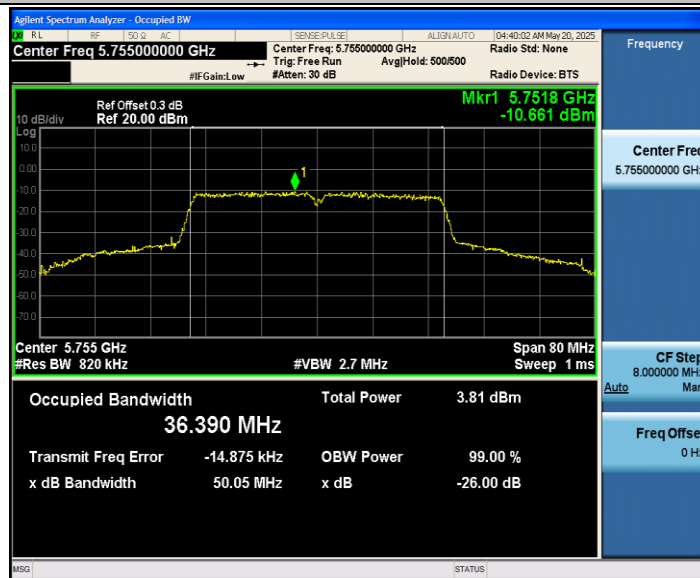
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



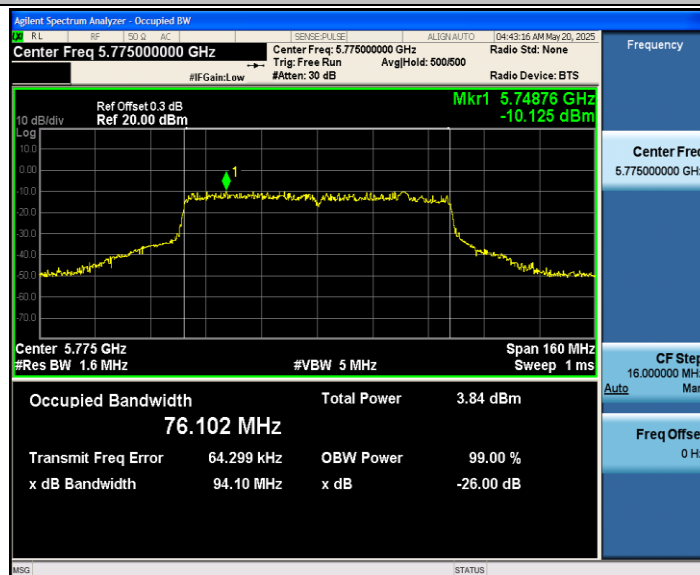
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

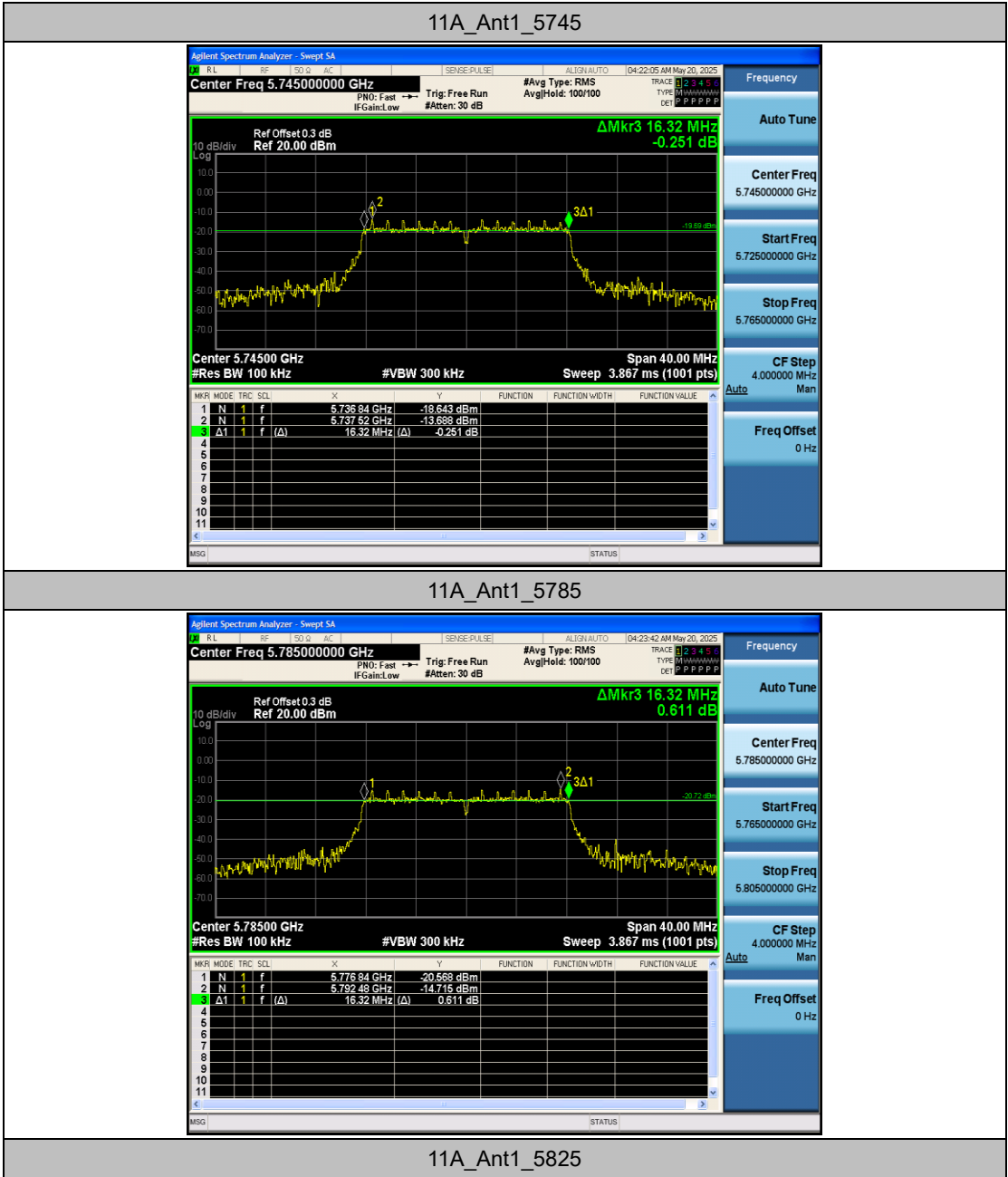


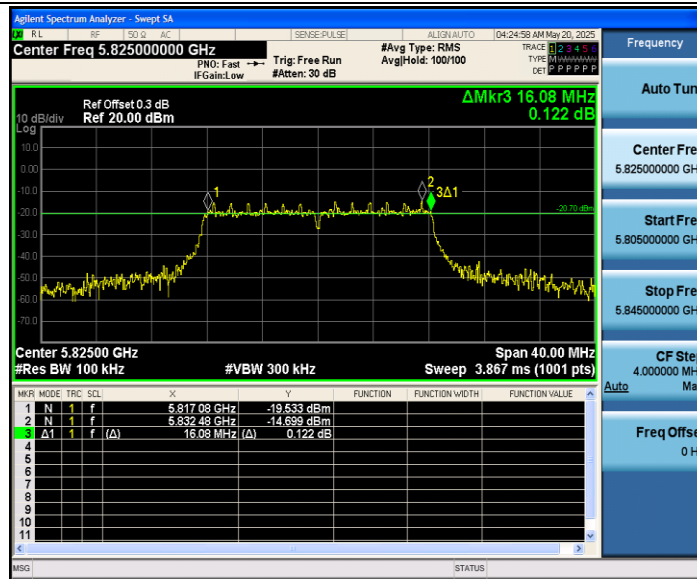
Appendix A2: Min emission bandwidth

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	16.080	5817.080	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.120	5736.480	5753.600	0.5	PASS
		5785	17.120	5776.520	5793.640	0.5	PASS
		5825	17.240	5816.400	5833.640	0.5	PASS
11N40SISO	Ant1	5755	35.520	5737.080	5772.600	0.5	PASS
		5795	35.280	5777.400	5812.680	0.5	PASS
11AC20SISO	Ant1	5745	17.120	5736.360	5753.480	0.5	PASS
		5785	16.960	5776.400	5793.360	0.5	PASS
		5825	16.800	5816.800	5833.600	0.5	PASS
11AC40SISO	Ant1	5755	35.280	5737.320	5772.600	0.5	PASS
		5795	35.360	5777.240	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.520	5737.240	5812.760	0.5	PASS

Test Graphs B4

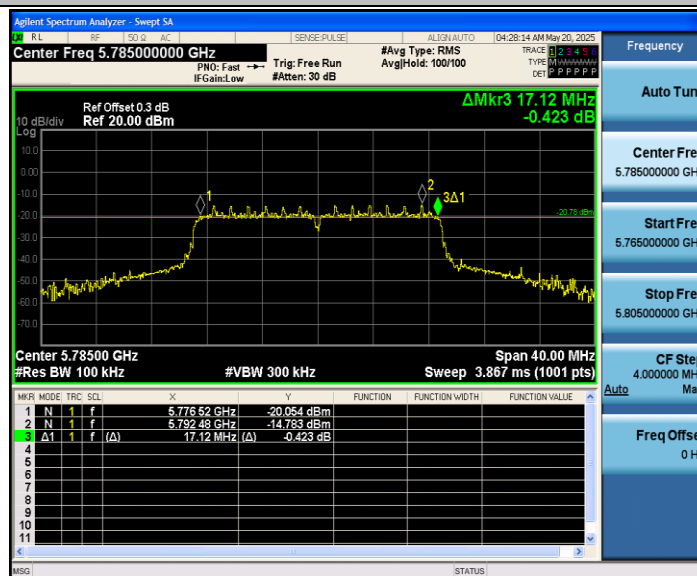




11N20SISO_Ant1_5745



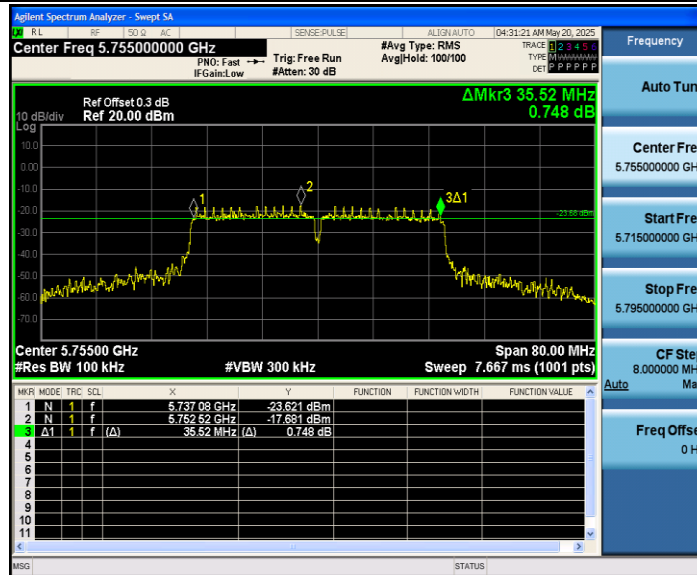
11N20SISO_Ant1_5785



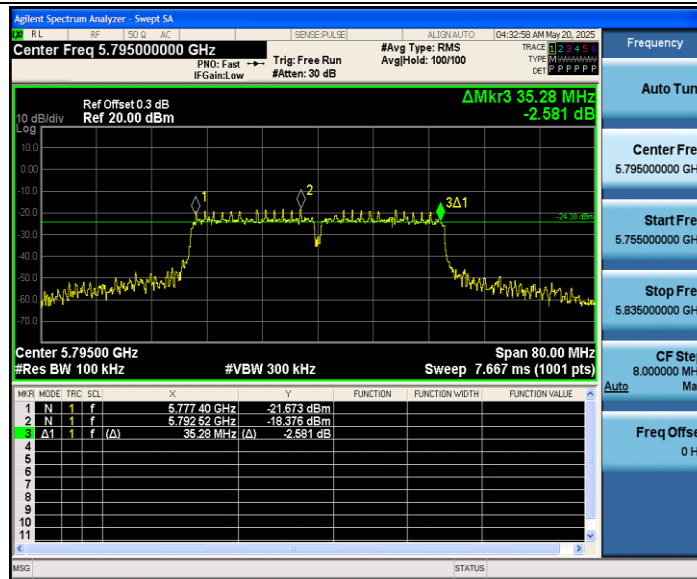
11N20SISO_Ant1_5825



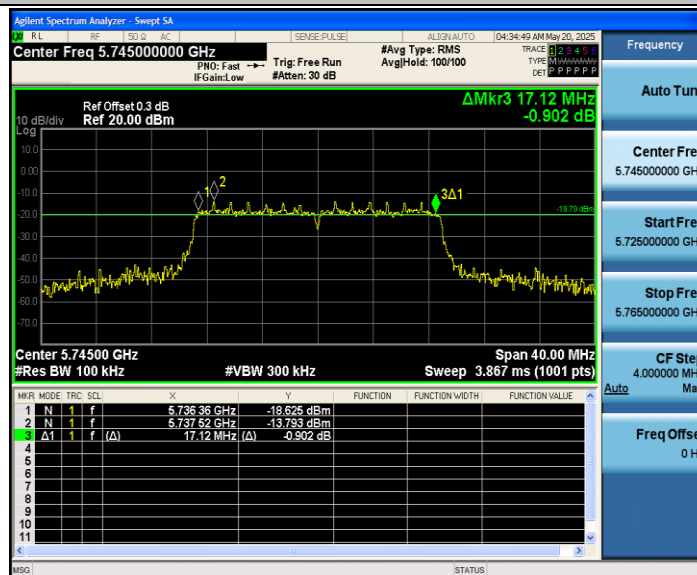
11N40SISO_Ant1_5755



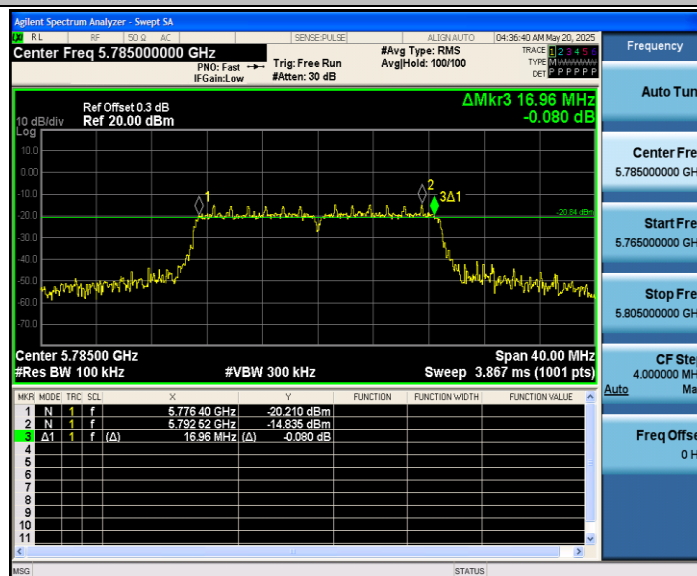
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



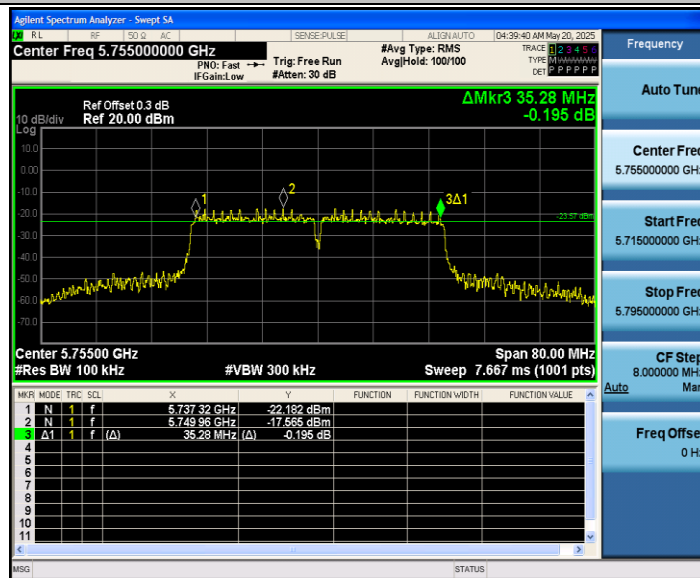
11AC20SISO_Ant1_5785



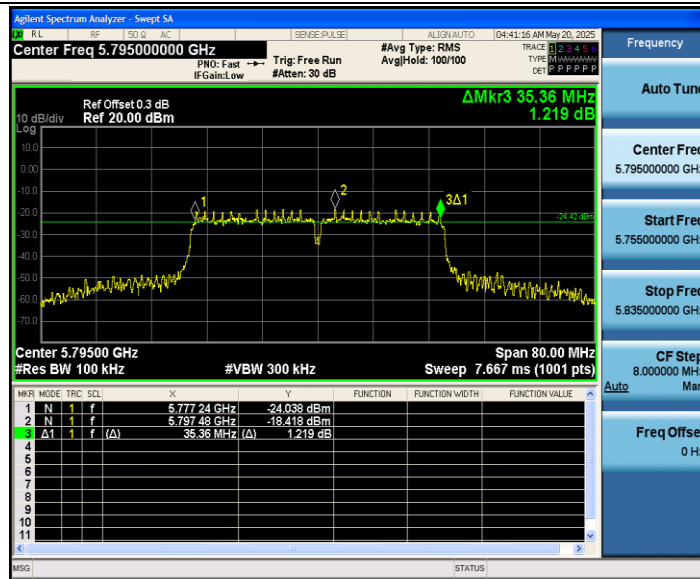
11AC20SISO_Ant1_5825



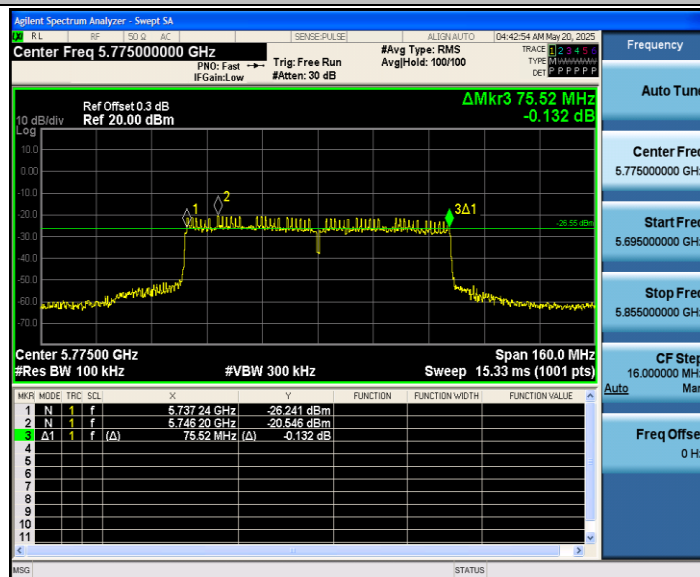
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

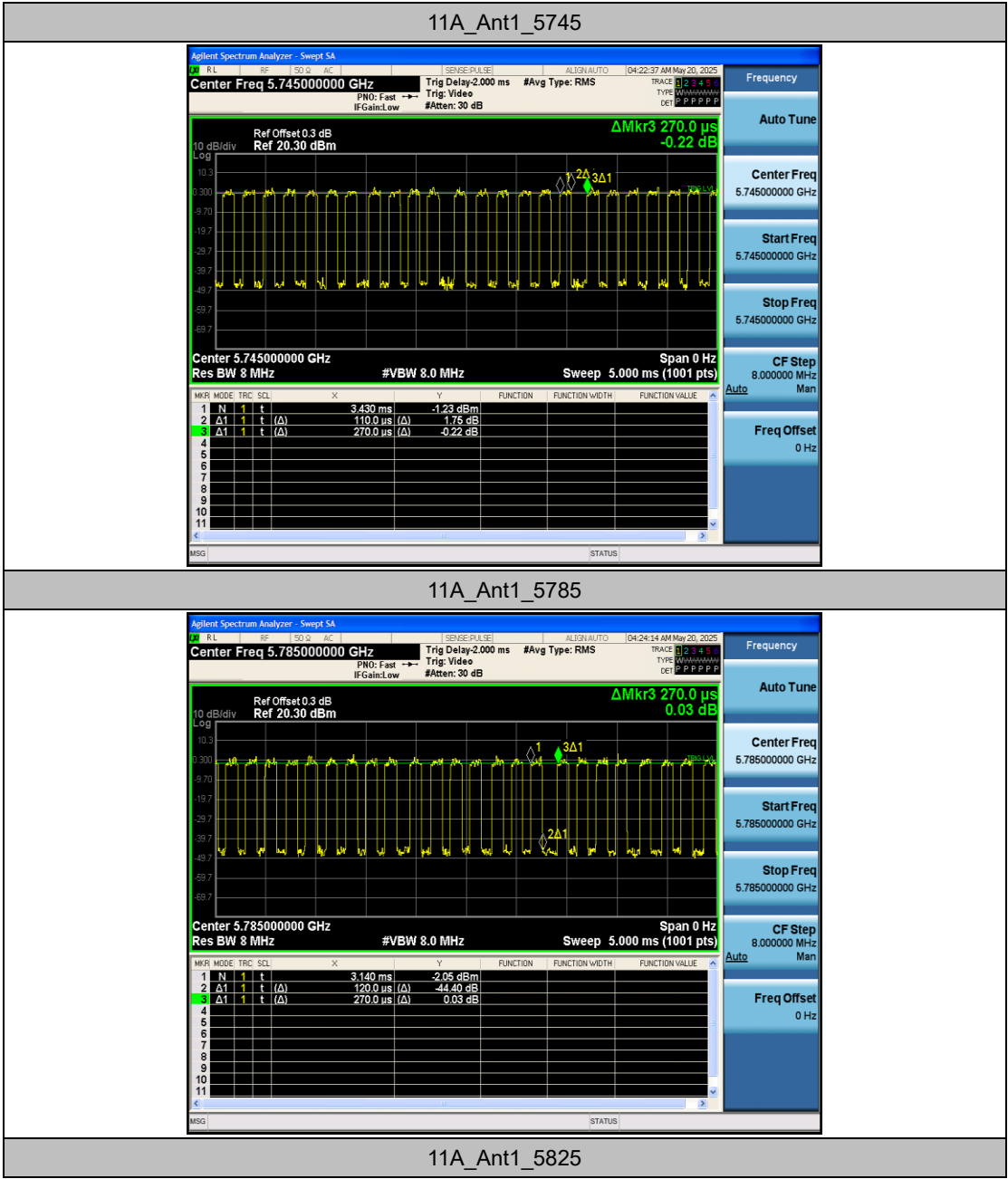


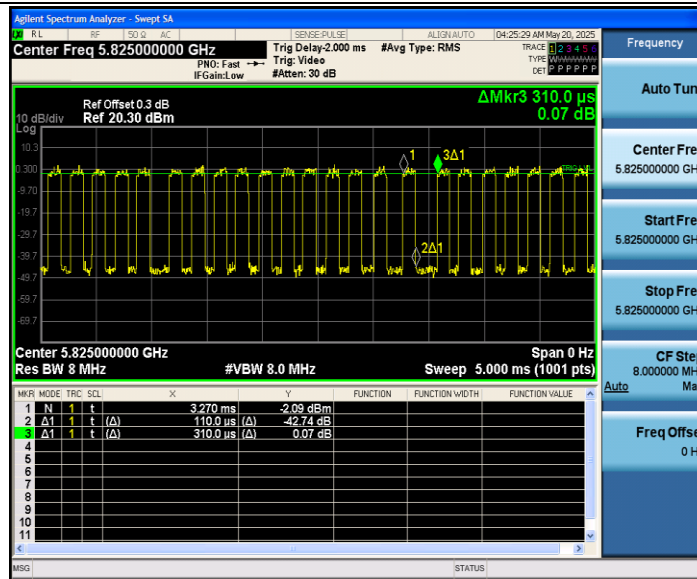
Appendix B: Duty Cycle

Test Result

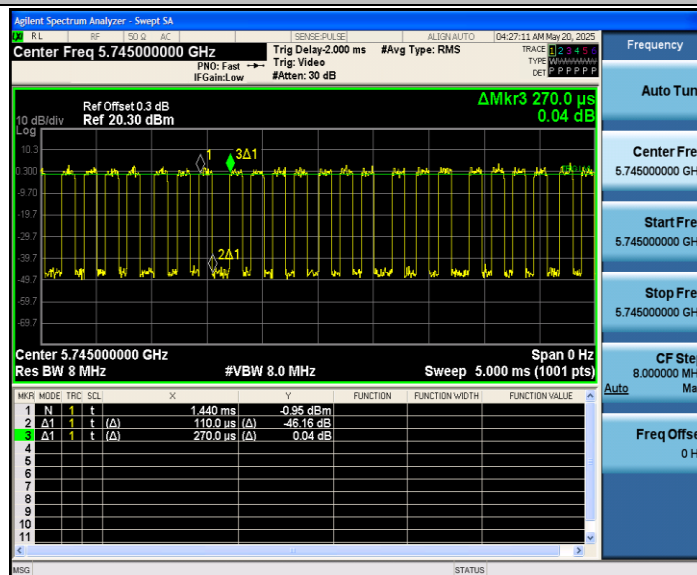
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5745	0.11	0.27	40.74	3.90	---	---
		5785	0.12	0.27	44.44	3.52	---	---
		5825	0.11	0.31	35.48	4.50	---	---
11N20SISO	Ant1	5745	0.11	0.27	40.74	3.90	---	---
		5785	0.11	0.31	35.48	4.50	---	---
		5825	0.11	0.27	40.74	3.90	---	---
11N40SISO	Ant1	5755	0.07	0.20	35.00	4.56	---	---
		5795	0.08	0.28	28.57	5.44	---	---
11AC20SISO	Ant1	5745	0.12	0.27	44.44	3.52	---	---
		5785	0.11	0.28	39.29	4.06	---	---
		5825	0.12	0.29	41.38	3.83	---	---
11AC40SISO	Ant1	5755	0.08	0.29	27.59	5.59	---	---
		5795	0.08	0.29	27.59	5.59	---	---
11AC80SISO	Ant1	5775	0.05	0.25	20.00	6.99	---	---

Test Graphs

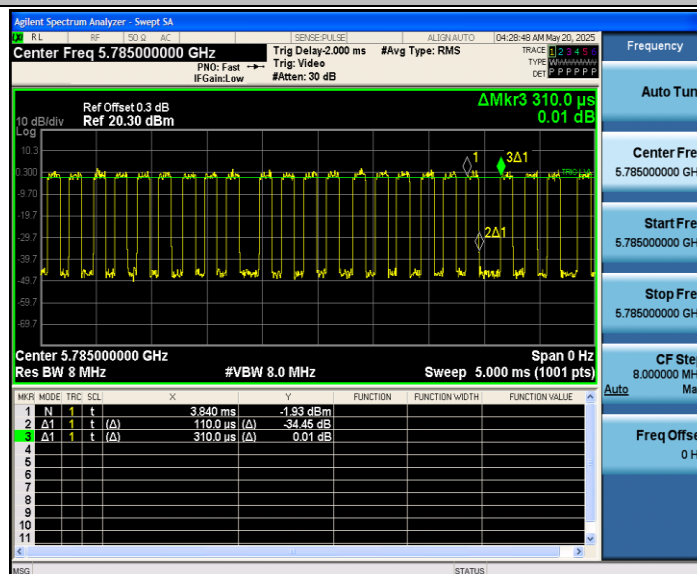




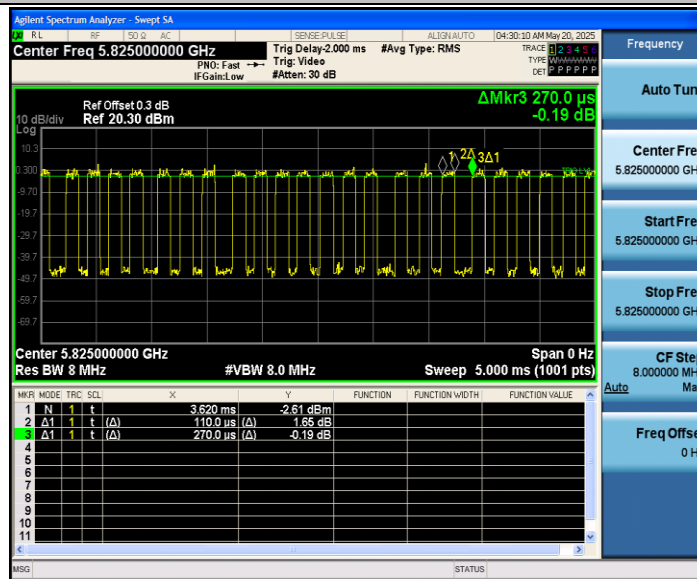
11N20SISO_Ant1_5745



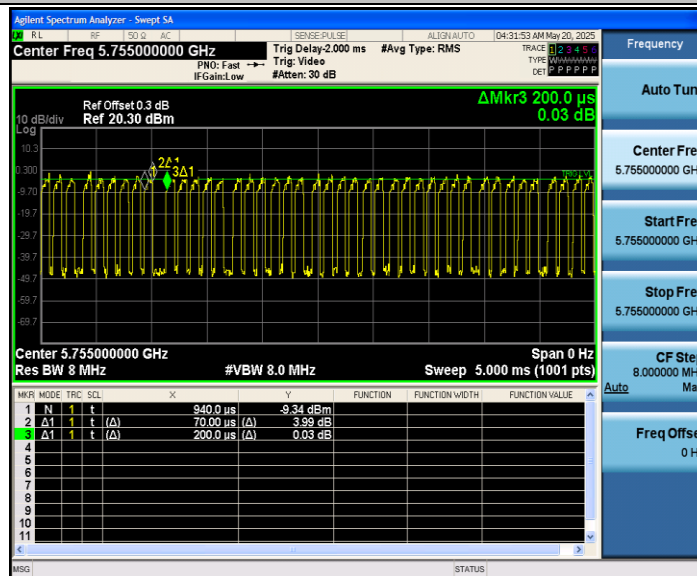
11N20SISO_Ant1_5785



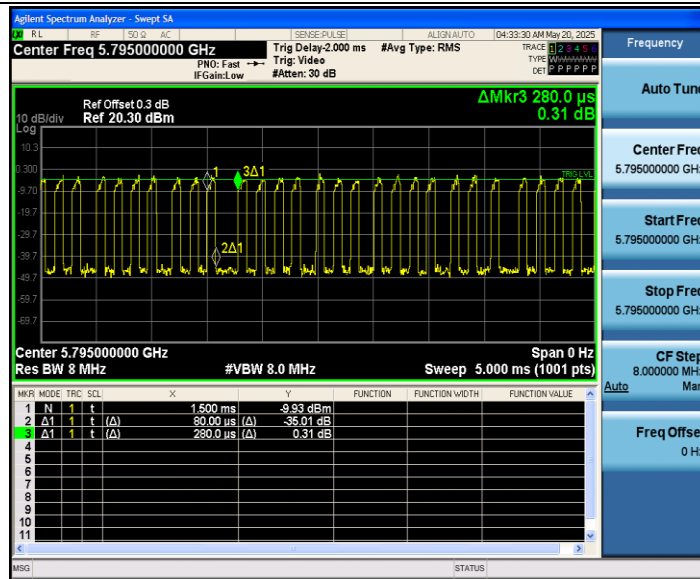
11N20SISO_Ant1_5825



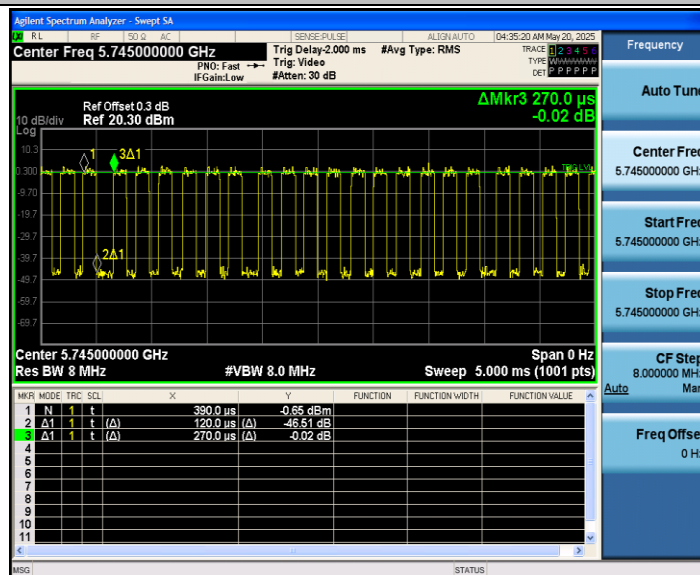
11N40SISO_Ant1_5755



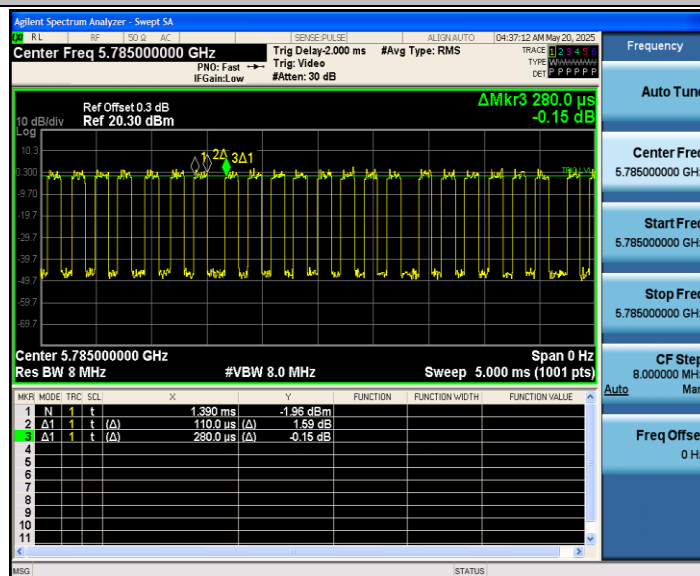
11N40SISO_Ant1_5795



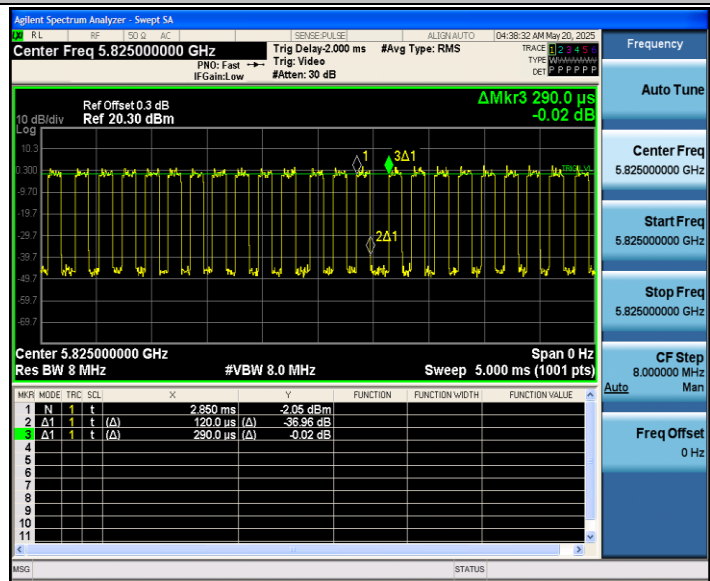
11AC20SISO_Ant1_5745



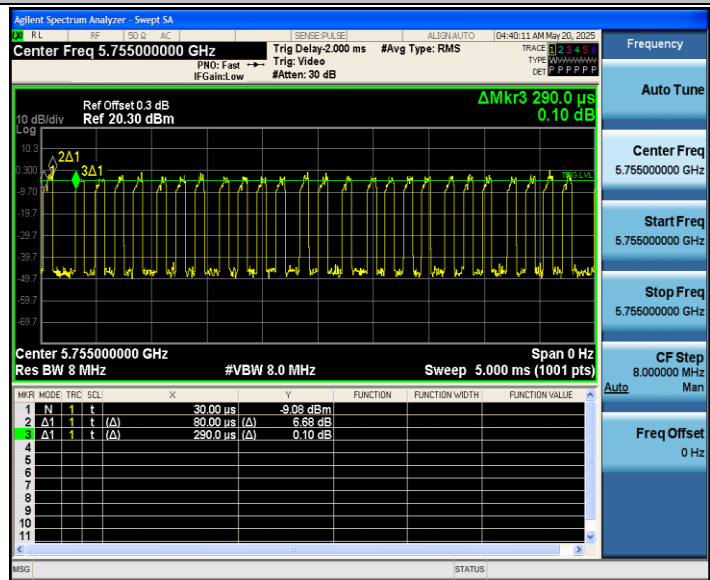
11AC20SISO_Ant1_5785



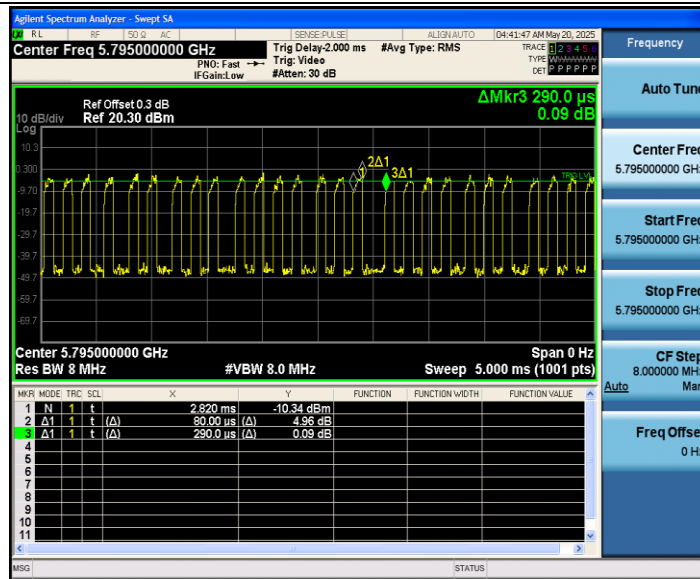
11AC20SISO_Ant1_5825



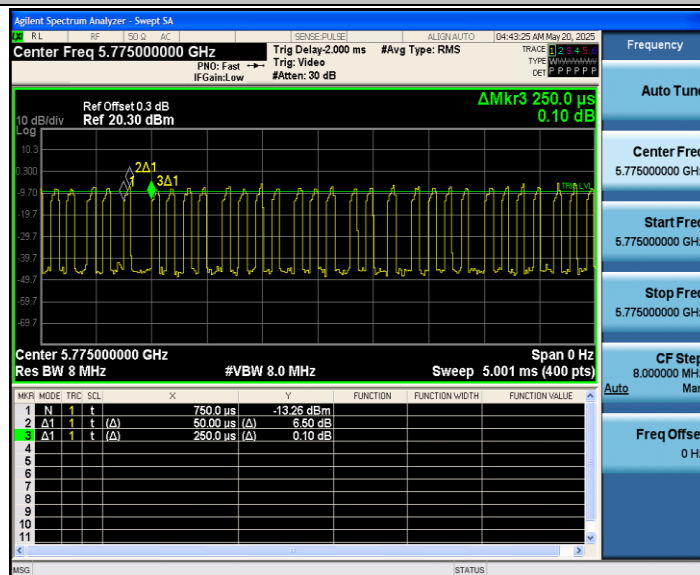
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80ISO_Ant1_5775



Appendix C: Maximum conducted output power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	-7.36	3.90	-3.46	≤30.00	PASS
		5785	-7.44	3.52	-3.92	≤30.00	PASS
		5825	-8.49	4.50	-3.99	≤30.00	PASS
11N20SISO	Ant1	5745	-7.46	3.90	-3.56	≤30.00	PASS
		5785	-8.46	4.50	-3.96	≤30.00	PASS
		5825	-7.6	3.90	-3.70	≤30.00	PASS
11N40SISO	Ant1	5755	-7.93	4.56	-3.37	≤30.00	PASS
		5795	-9.2	5.44	-3.76	≤30.00	PASS
11AC20SISO	Ant1	5745	-7.27	3.52	-3.75	≤30.00	PASS
		5785	-7.33	4.06	-3.27	≤30.00	PASS
		5825	-7.38	3.83	-3.55	≤30.00	PASS
11AC40SISO	Ant1	5755	-9.25	5.59	-3.66	≤30.00	PASS
		5795	-8.96	5.59	-3.37	≤30.00	PASS
11AC80SISO	Ant1	5775	-10.52	6.99	-3.53	≤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]
11A	Ant1	5745	-20.382	2.22	3.90	-14.26	≤30.00
		5785	-21.844	2.22	3.52	-16.10	≤30.00
		5825	-21.850	2.22	4.50	-15.13	≤30.00
11N20SISO	Ant1	5745	-20.429	2.22	3.90	-14.31	≤30.00
		5785	-21.233	2.22	4.50	-14.51	≤30.00
		5825	-21.372	2.22	3.90	-15.25	≤30.00
11N40SISO	Ant1	5755	-23.672	2.22	4.56	-16.89	≤30.00
		5795	-25.649	2.22	5.44	-17.99	≤30.00
11AC20SISO	Ant1	5745	-20.472	2.22	3.52	-14.73	≤30.00
		5785	-21.836	2.22	4.06	-15.56	≤30.00
		5825	-21.333	2.22	3.83	-15.28	≤30.00
11AC40SISO	Ant1	5755	-24.671	2.22	5.59	-16.86	≤30.00
		5795	-25.431	2.22	5.59	-17.62	≤30.00
11AC80SISO	Ant1	5775	-27.853	2.22	6.99	-18.64	≤30.00

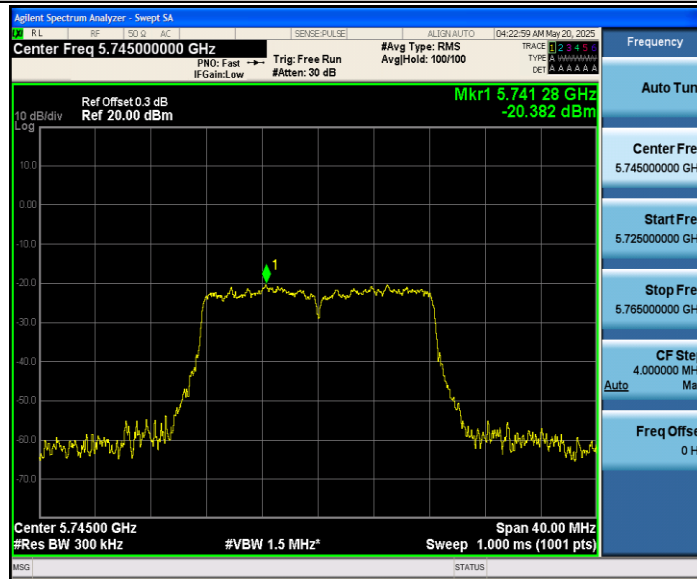
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

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

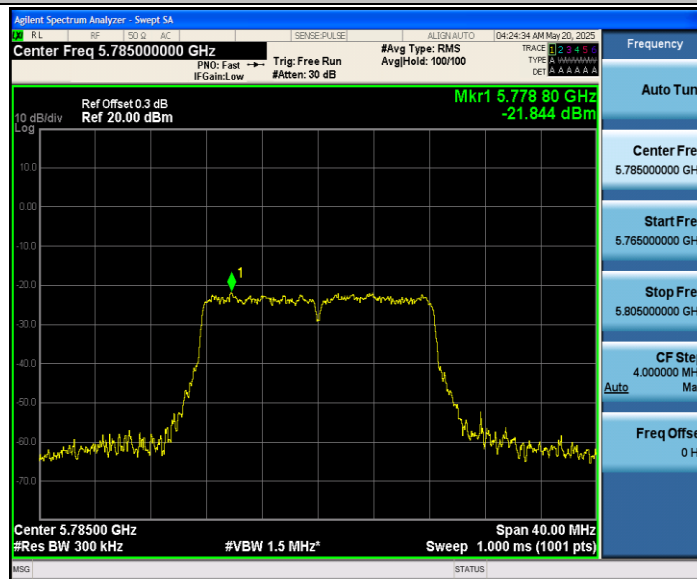
2. RBW factor= 10 log (500 KHz /300 KHz) = 2.22 dB and The RBW Factor is compensated in the data graph.

Test Graphs

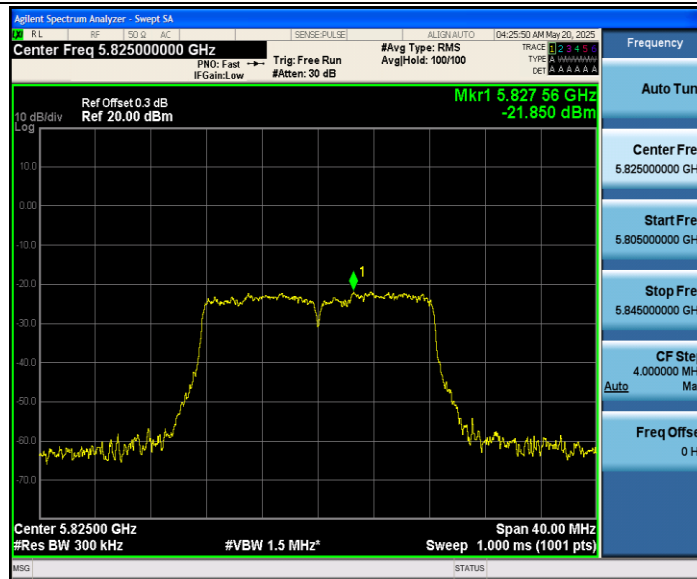
11A_Ant1_5745



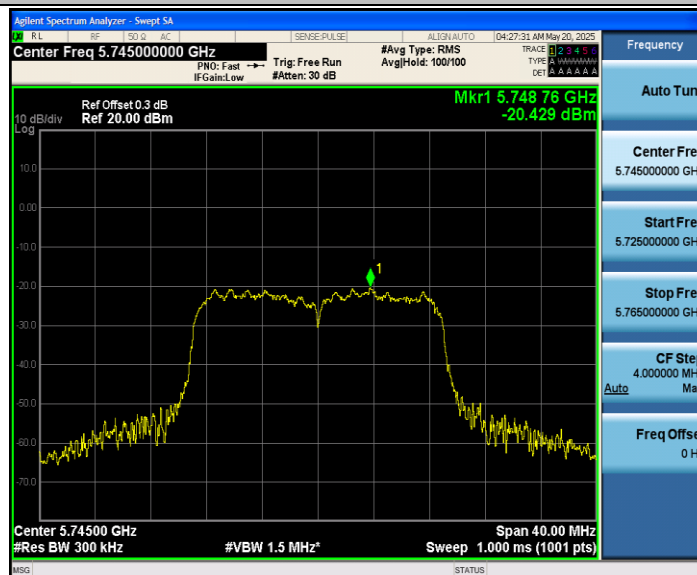
11A_Ant1_5785



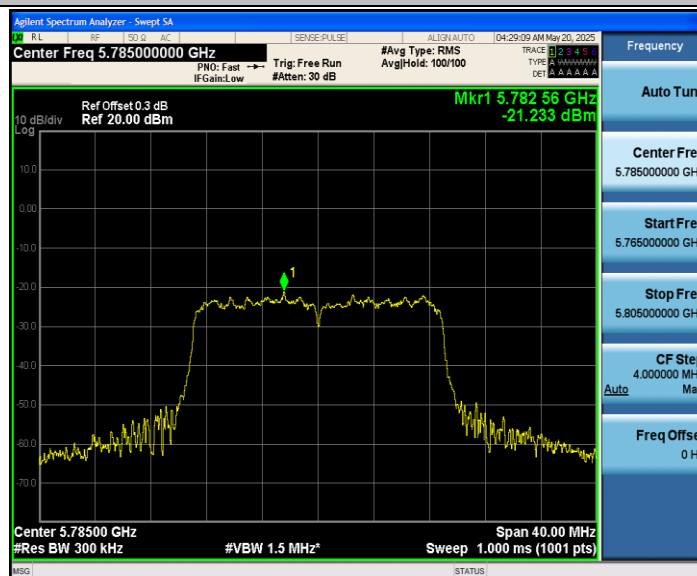
11A_Ant1_5825



11N20SISO_Ant1_5745



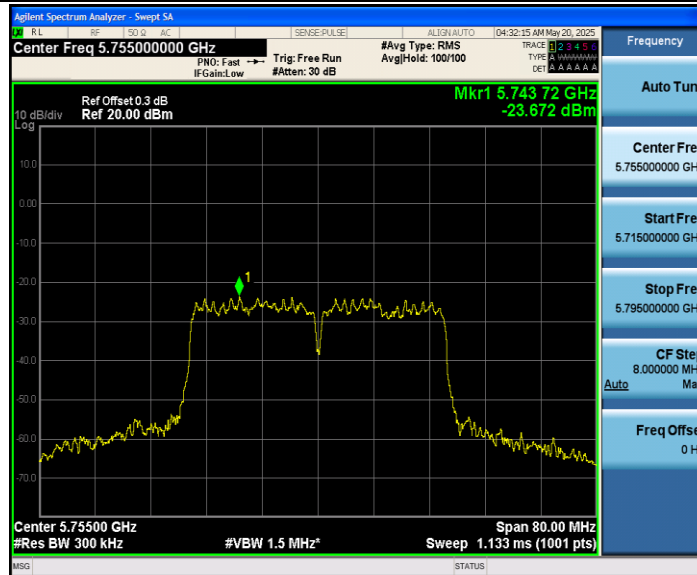
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



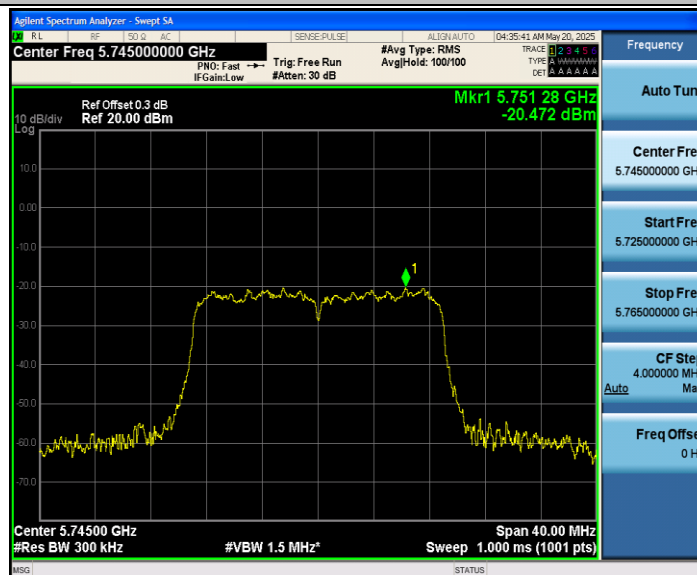
11N40SISO_Ant1_5755



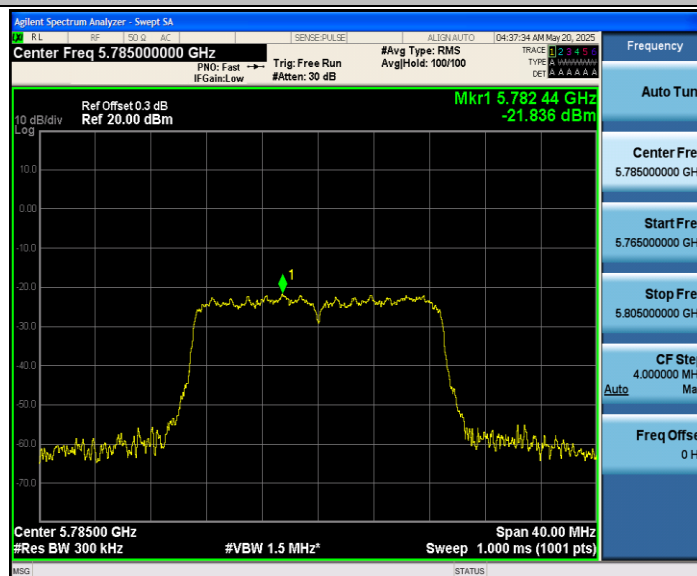
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



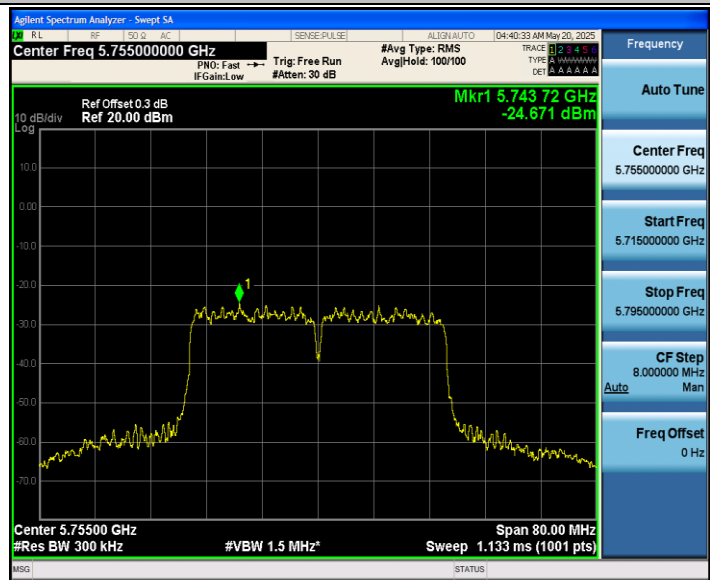
11AC20SISO_Ant1_5785



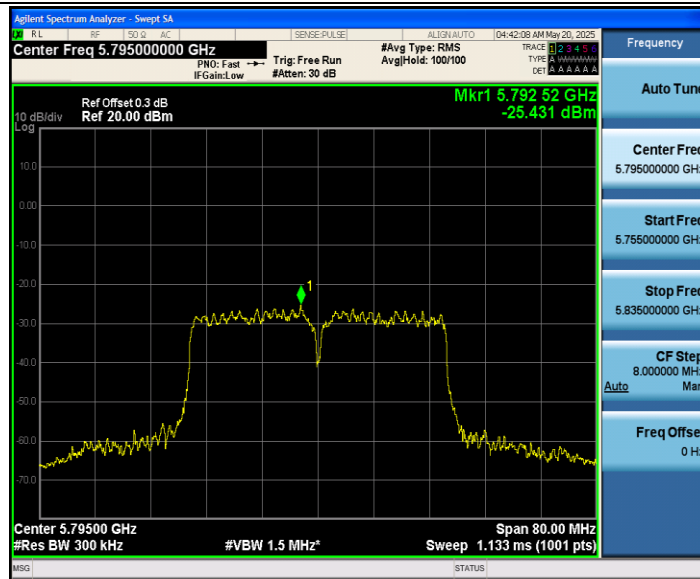
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

