

Case No. : <u>GTS20250903022-1-12</u>
Ambient Condition: <u>22</u> °C, <u>48</u> %RH
According Standard: ■Part15E
Test Date: <u>2025.9.13-2025.10.21</u> Test Engineer: <u>Evan ouyang</u>

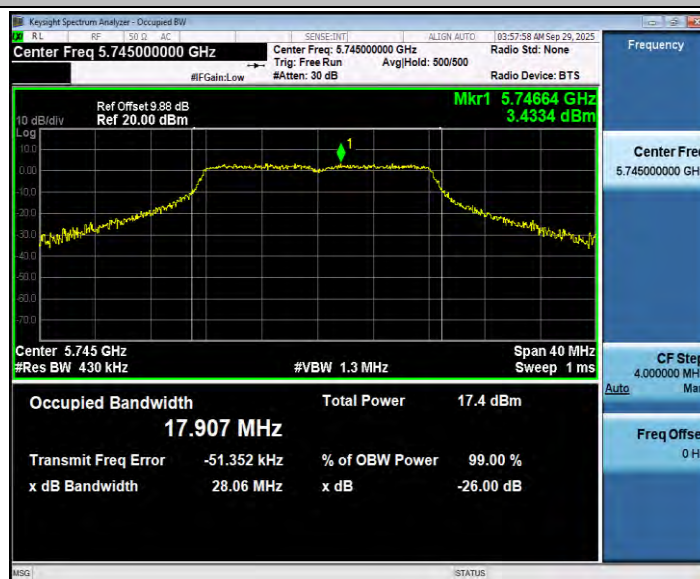
Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.907	5735.9952	5753.9022	---	---
		5785	17.945	5775.9623	5793.9073	---	---
		5825	17.947	5815.8949	5833.8419	---	---
11N20SISO	Ant1	5745	19.012	5735.4380	5754.4500	---	---
		5785	19.013	5775.4321	5794.4451	---	---
		5825	19.010	5815.4314	5834.4414	---	---
11N40SISO	Ant1	5755	37.451	5736.3277	5773.7787	---	---
		5795	37.665	5776.1304	5813.7954	---	---
11AC20SISO	Ant1	5745	19.132	5735.4171	5754.5491	---	---
		5785	19.091	5775.4144	5794.5054	---	---
		5825	19.018	5815.4300	5834.4480	---	---
11AC40SISO	Ant1	5755	37.516	5736.2089	5773.7249	---	---
		5795	37.743	5776.0974	5813.8404	---	---
11AX20SISO	Ant1	5745	19.639	5735.1507	5754.7897	---	---
		5785	19.706	5775.1647	5794.8707	---	---
		5825	19.681	5815.1341	5834.8151	---	---
11AX40SISO	Ant1	5755	38.642	5735.7169	5774.3589	---	---
		5795	38.597	5775.7609	5814.3579	---	---

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



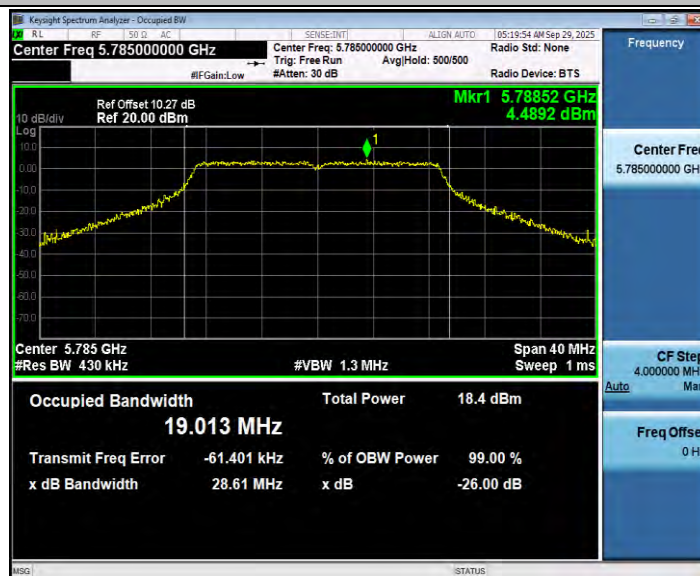
11A_Ant1_5825



11N20SISO_Ant1_5745



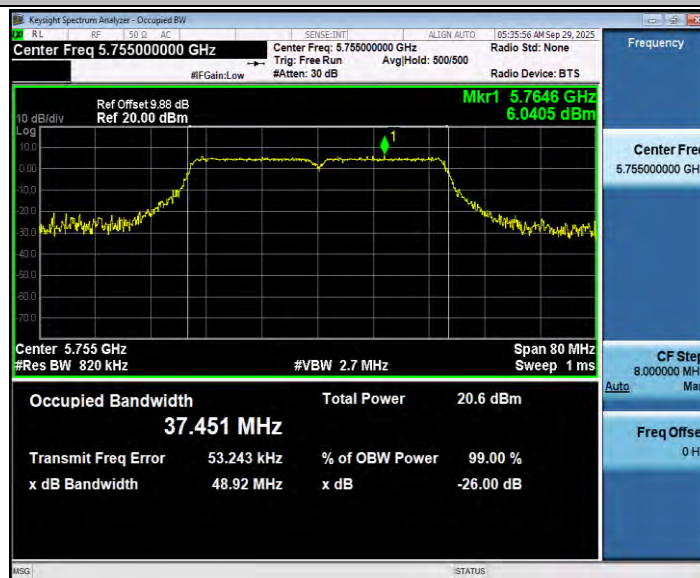
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



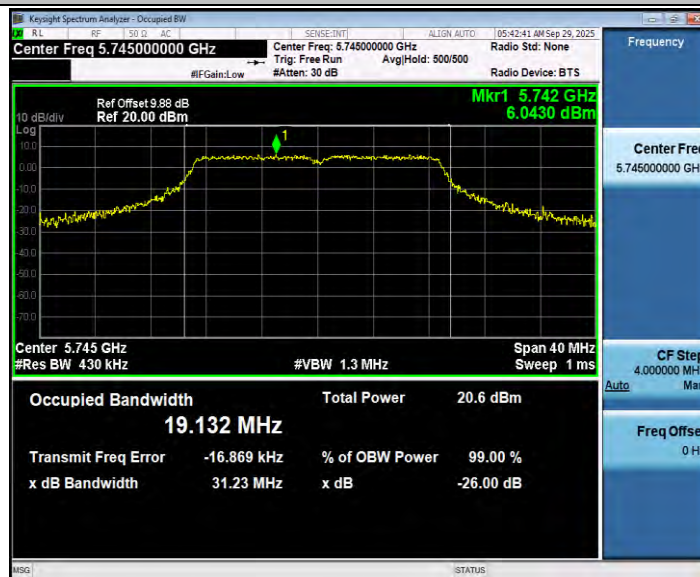
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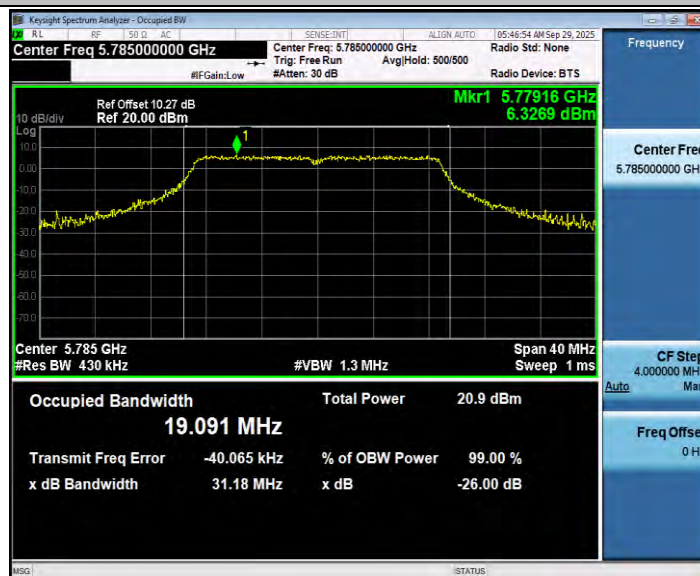
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



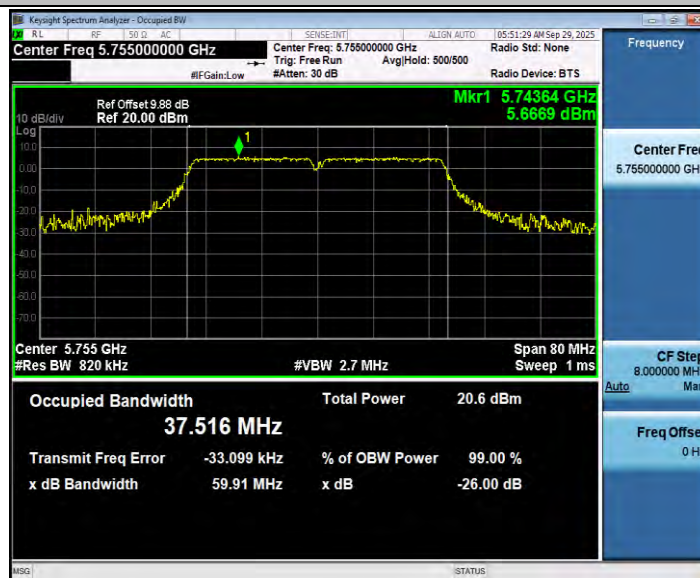
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



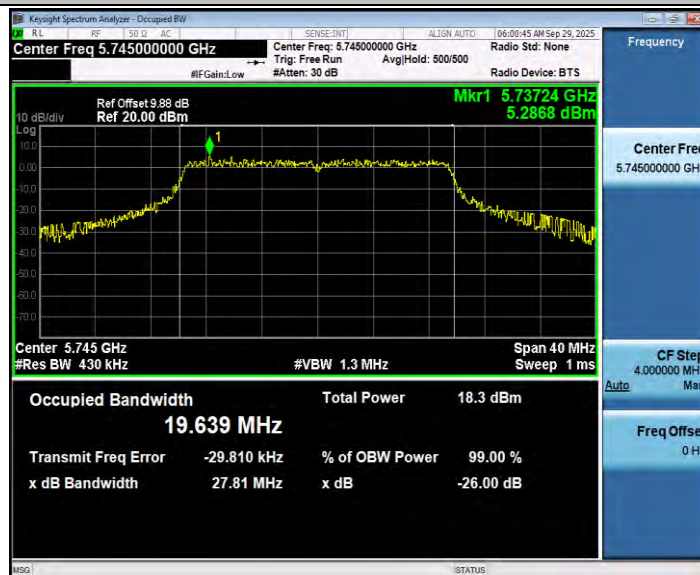
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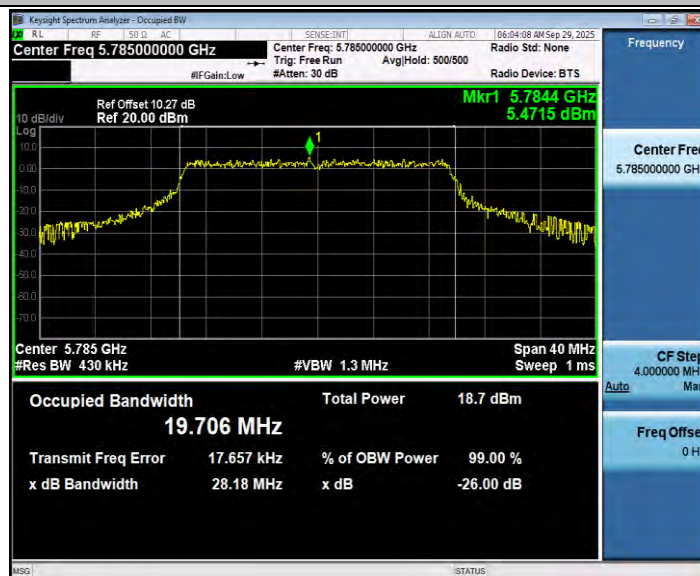
11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	0.5	PASS
		5785	16.360	0.5	PASS
		5825	16.360	0.5	PASS
11N20SISO	Ant1	5745	17.600	0.5	PASS
		5785	17.640	0.5	PASS
		5825	17.640	0.5	PASS
11N40SISO	Ant1	5755	36.400	0.5	PASS
		5795	36.400	0.5	PASS
11AC20SISO	Ant1	5745	17.600	0.5	PASS
		5785	17.640	0.5	PASS
		5825	17.600	0.5	PASS
11AC40SISO	Ant1	5755	36.320	0.5	PASS
		5795	36.320	0.5	PASS
11AX20SISO	Ant1	5745	19.000	0.5	PASS
		5785	19.000	0.5	PASS
		5825	19.040	0.5	PASS
11AX40SISO	Ant1	5755	38.080	0.5	PASS
		5795	38.080	0.5	PASS

Test Graphs B4

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



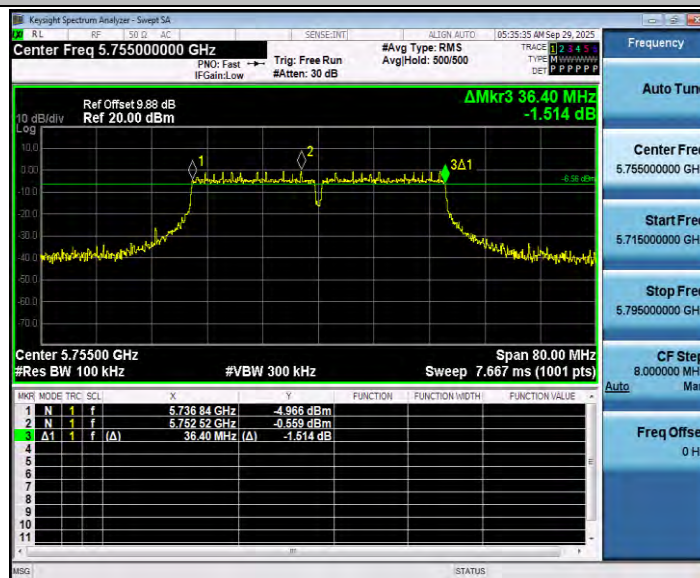
11N20SISO_Ant1_5785



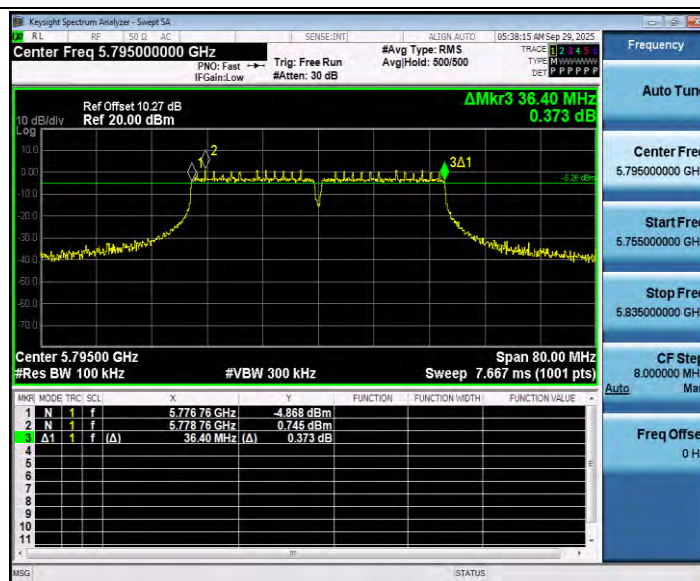
11N20SISO_Ant1_5825



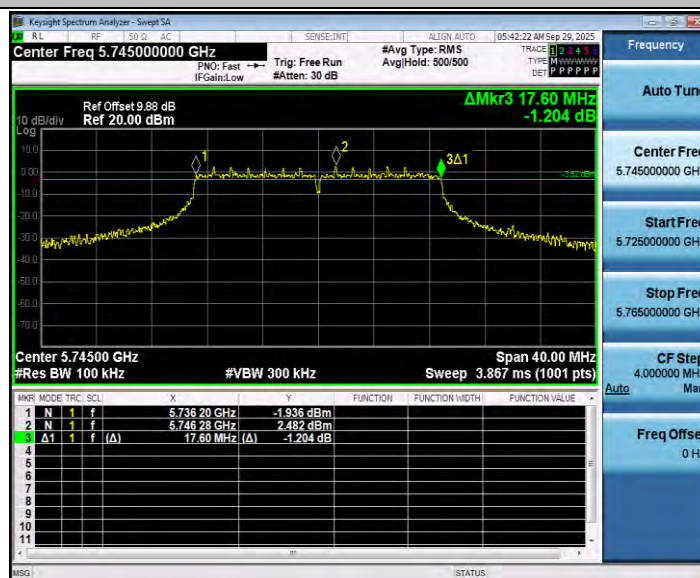
11N40SISO_Ant1_5755



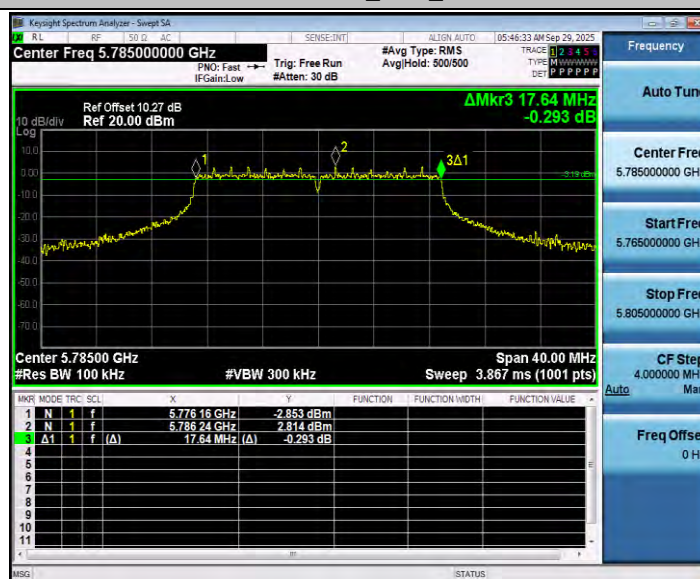
11N40SISO_Ant1_5795

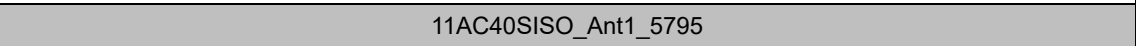
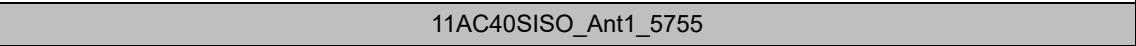


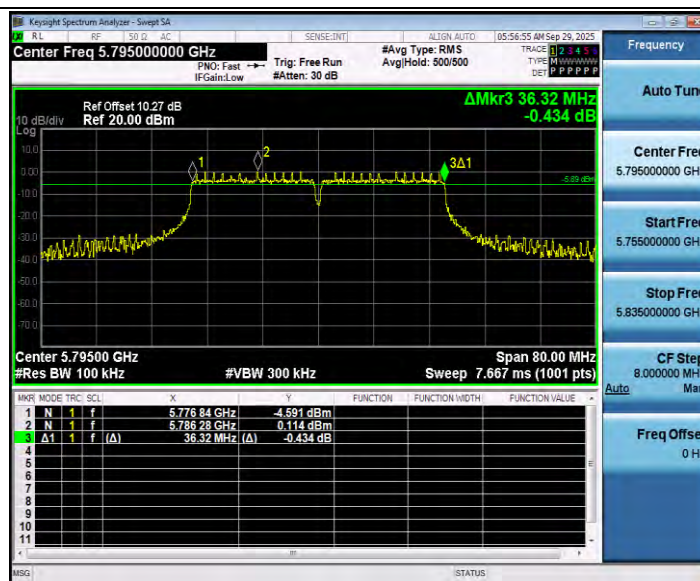
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785







11AX20SISO_Ant1_5745



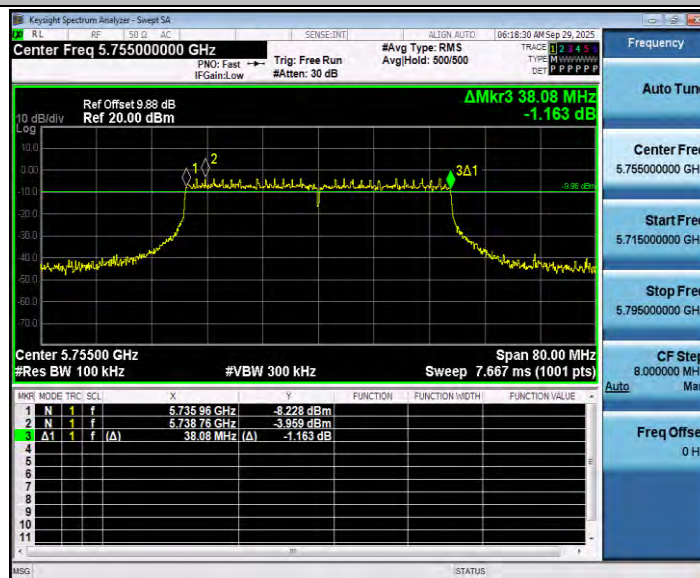
11AX20SISO_Ant1_5785



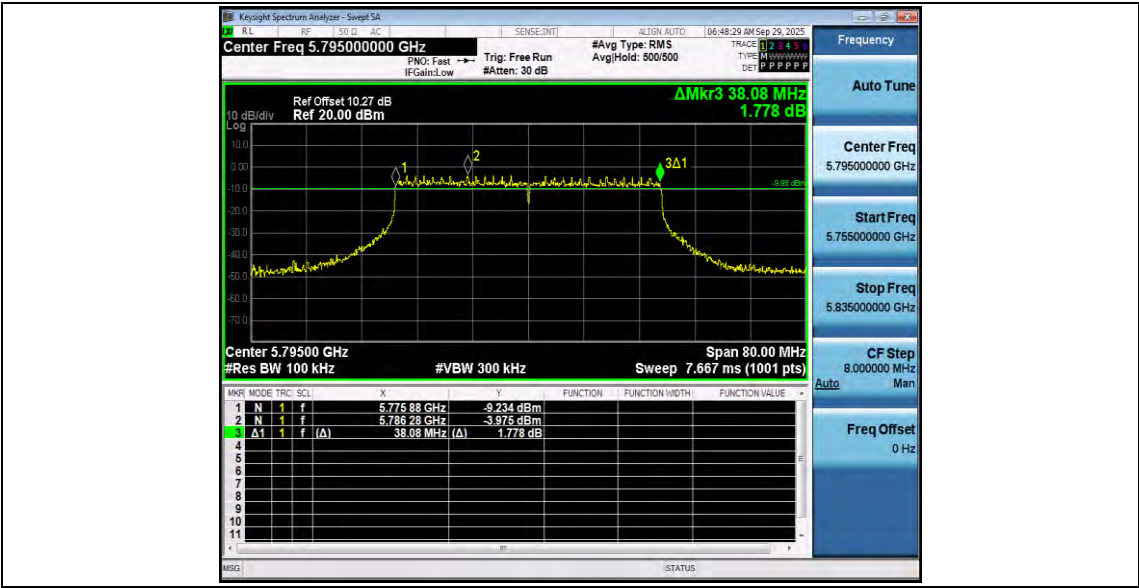
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



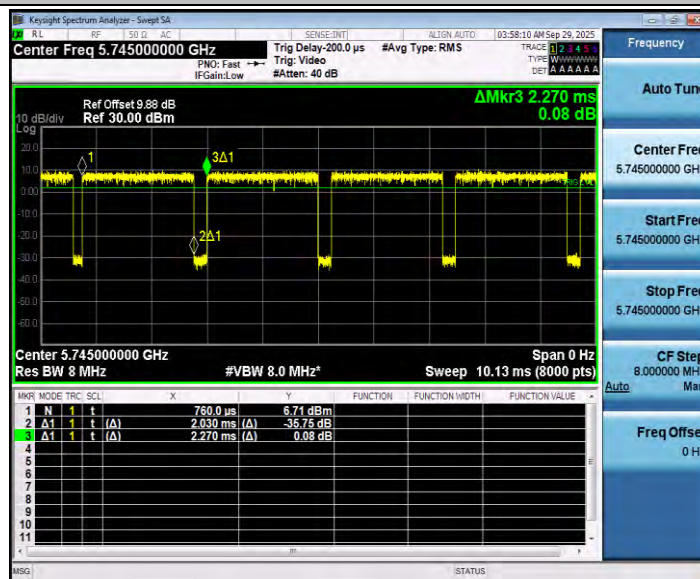
Appendix E.3: Duty Cycle

Test Result

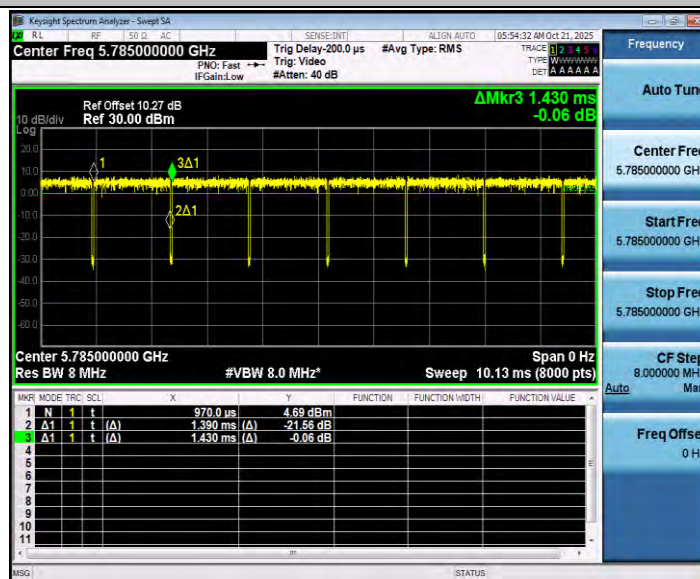
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	2.03	2.27	89.43	0.49	0.49
		5785	1.39	1.43	97.20	0.12	0.72
		5825	2.03	2.20	92.27	0.35	0.49
11N20SISO	Ant1	5745	1.89	2.08	90.87	0.42	0.53
		5785	1.89	2.09	90.43	0.44	0.53
		5825	1.89	2.10	90.00	0.46	0.53
11N40SISO	Ant1	5755	0.93	1.15	80.87	0.92	1.08
		5795	0.93	1.12	83.04	0.81	1.08
11AC20SISO	Ant1	5745	1.90	2.02	94.06	0.27	0.53
		5785	1.90	2.07	91.79	0.37	0.53
		5825	1.90	2.08	91.35	0.39	0.53
11AC40SISO	Ant1	5755	0.94	1.16	81.03	0.91	1.06
		5795	0.93	1.14	81.58	0.88	1.08
11AX20SISO	Ant1	5745	1.47	1.67	88.02	0.55	0.68
		5785	1.47	1.68	87.50	0.58	0.68
		5825	1.46	1.70	85.88	0.66	0.68
11AX40SISO	Ant1	5755	0.77	1.05	73.33	1.35	1.30
		5795	0.76	0.99	76.77	1.15	1.32

Test Graphs

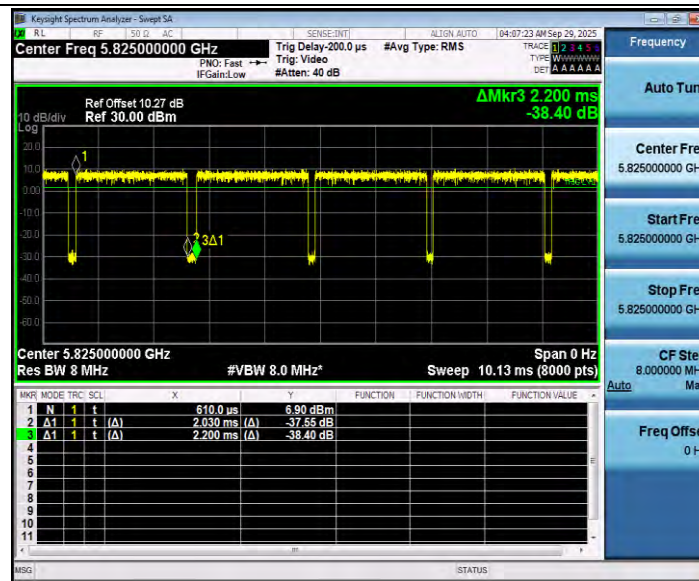
11A_Ant1_5745



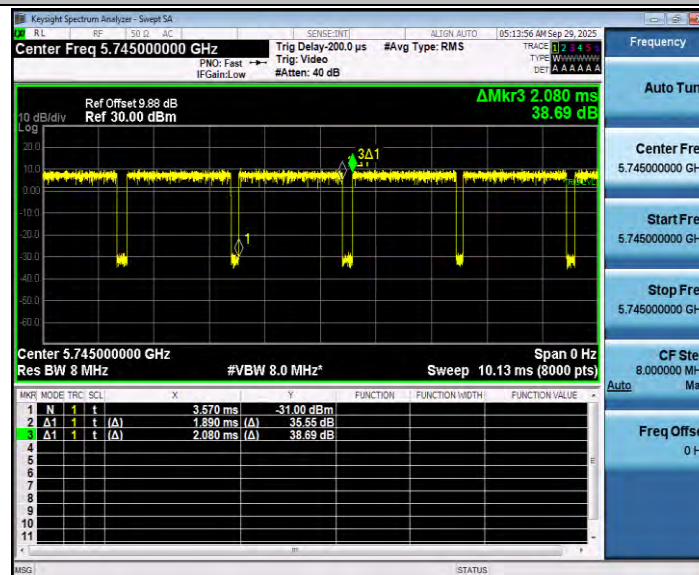
11A_Ant1_5785



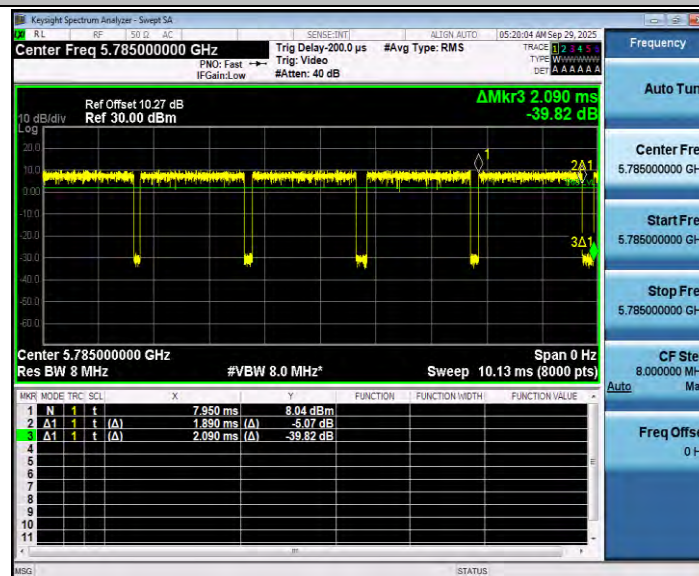
11A_Ant1_5825



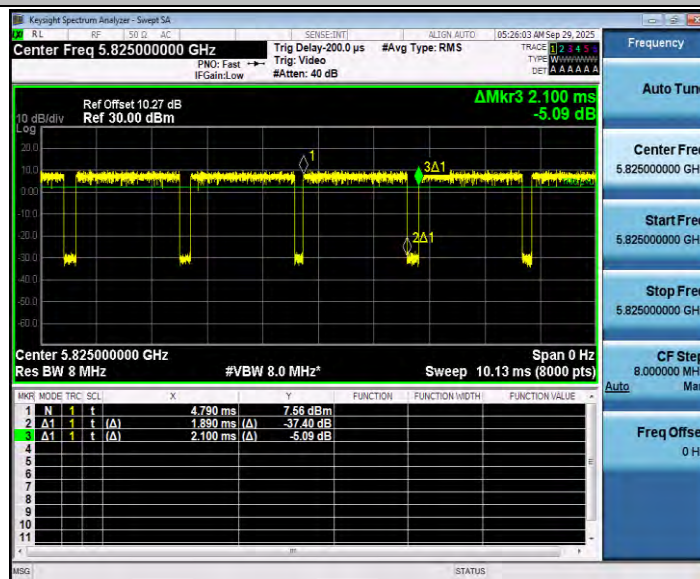
11N20SISO_Ant1_5745



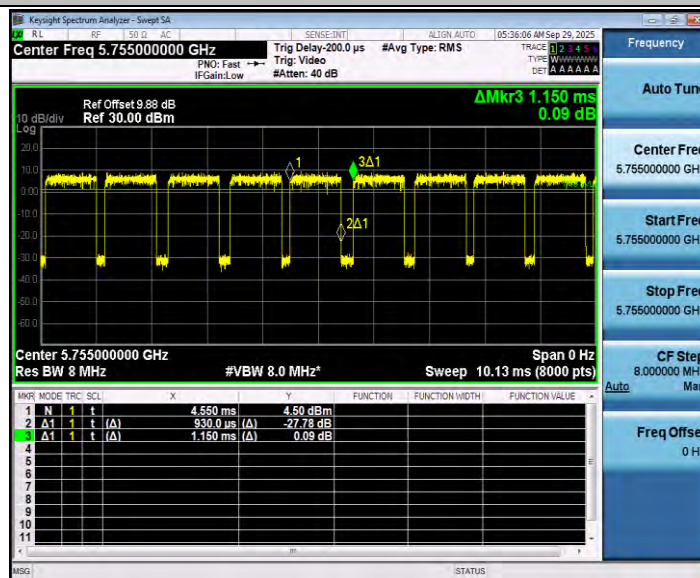
11N20SISO_Ant1_5785



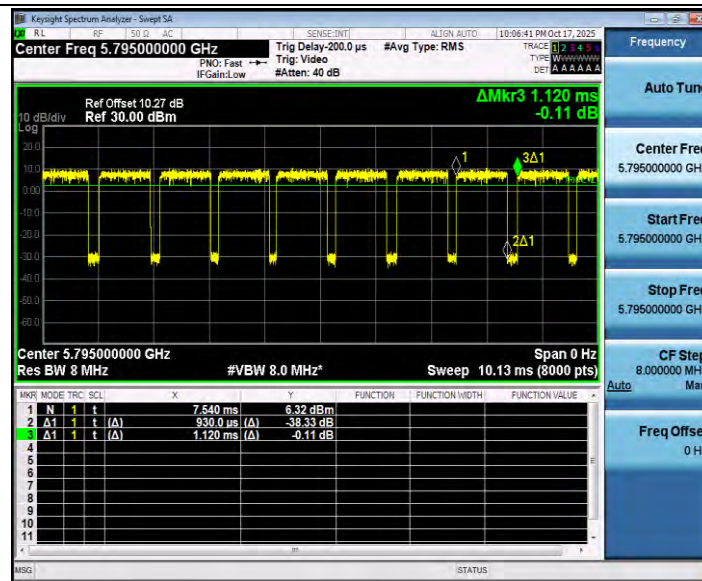
11N20SISO_Ant1_5825



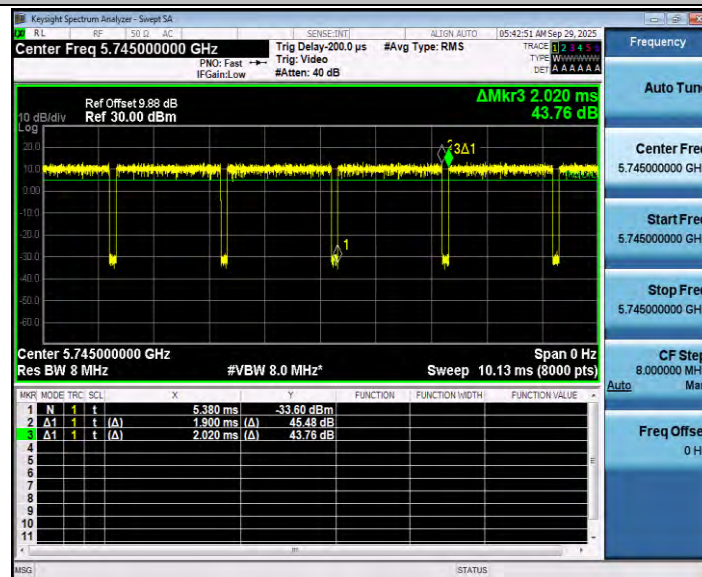
11N40SISO_Ant1_5755



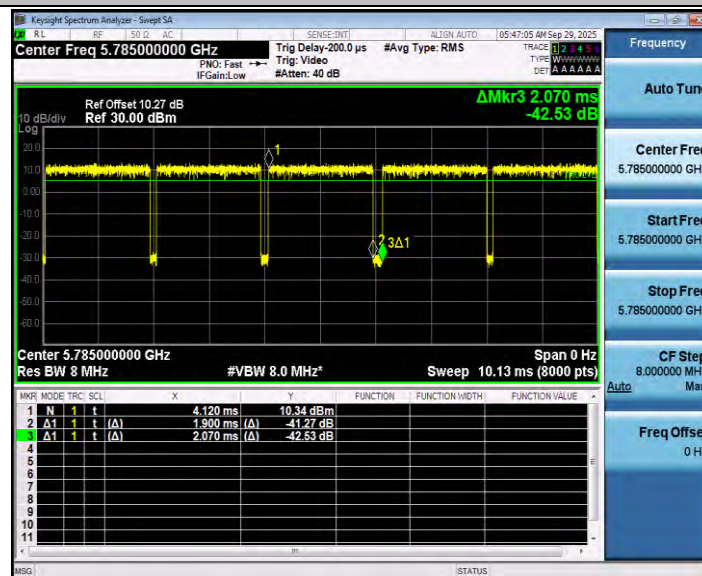
11N40SISO_Ant1_5795

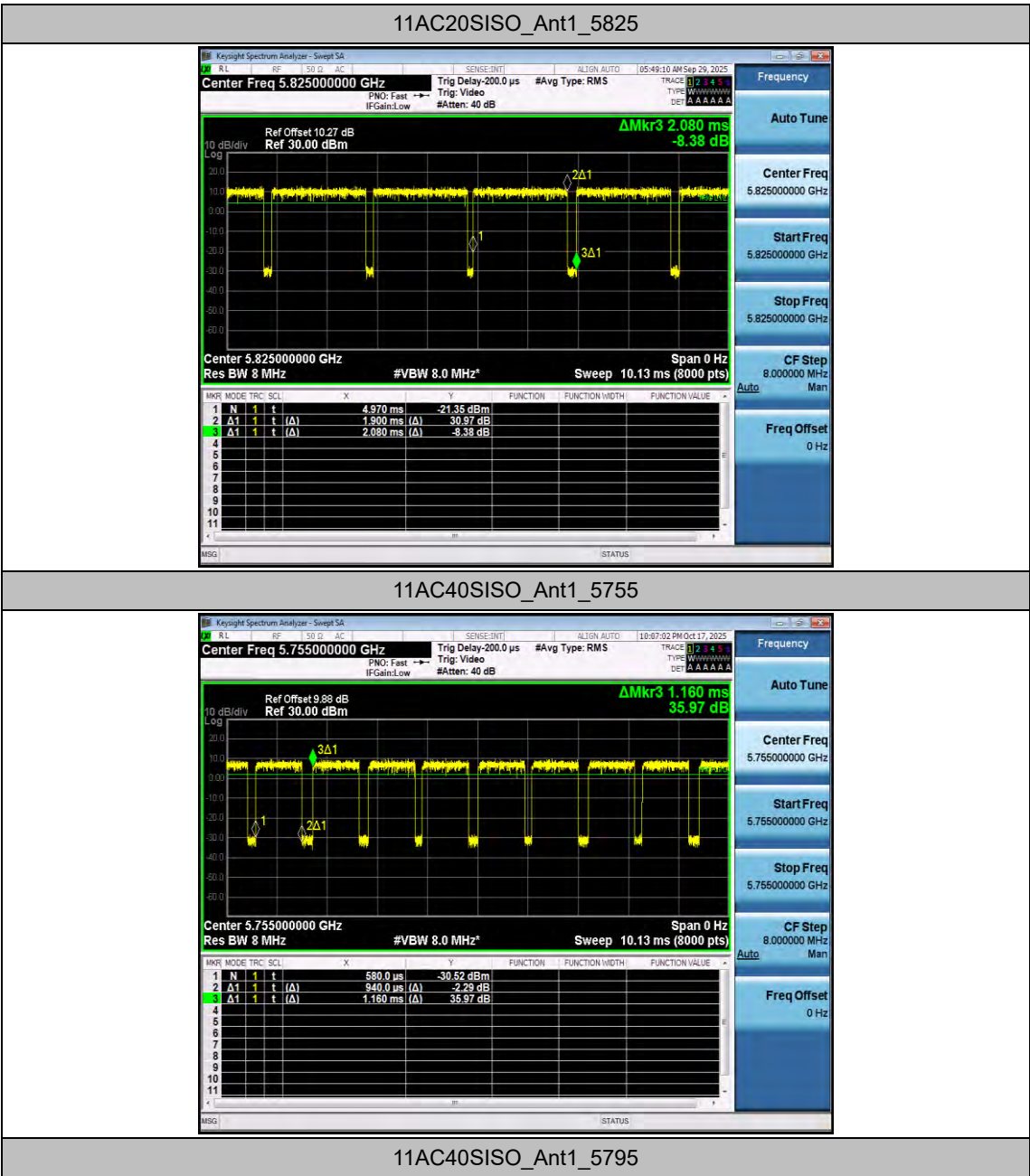


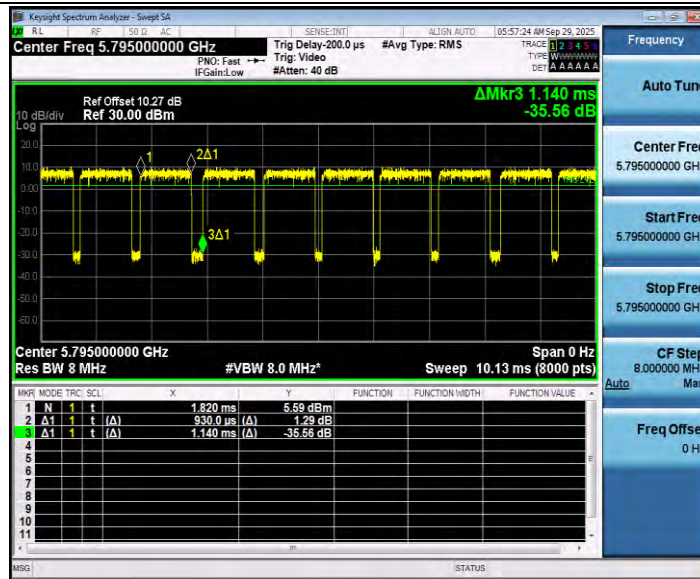
11AC20SISO_Ant1_5745



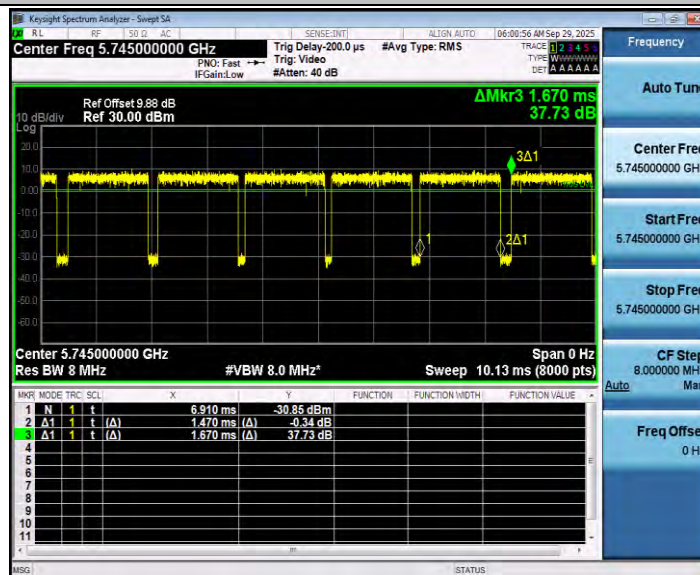
11AC20SISO_Ant1_5785



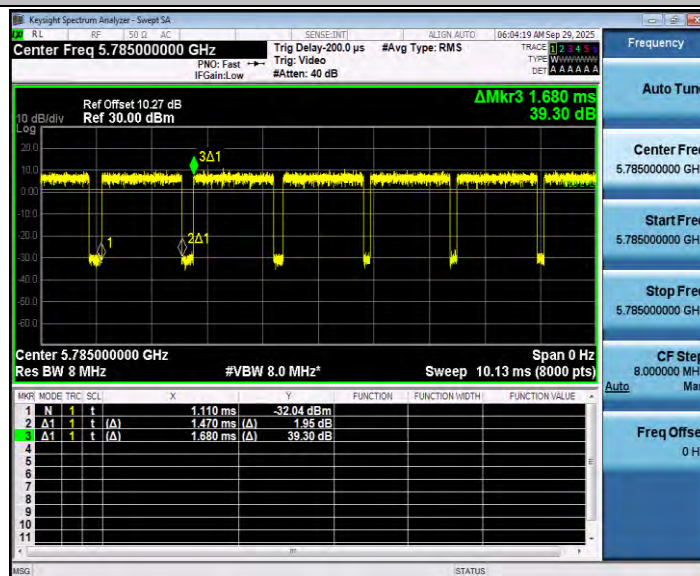


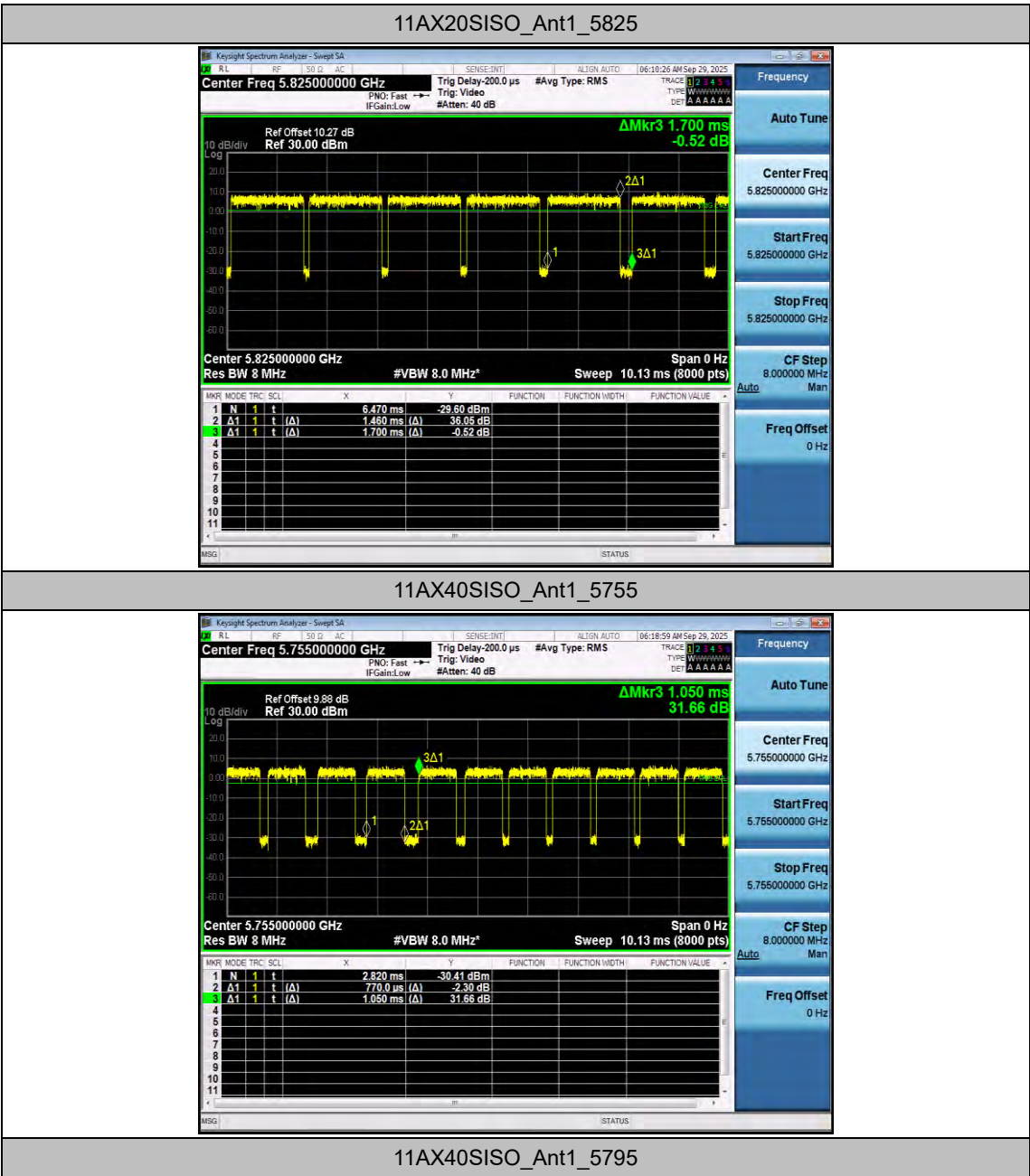


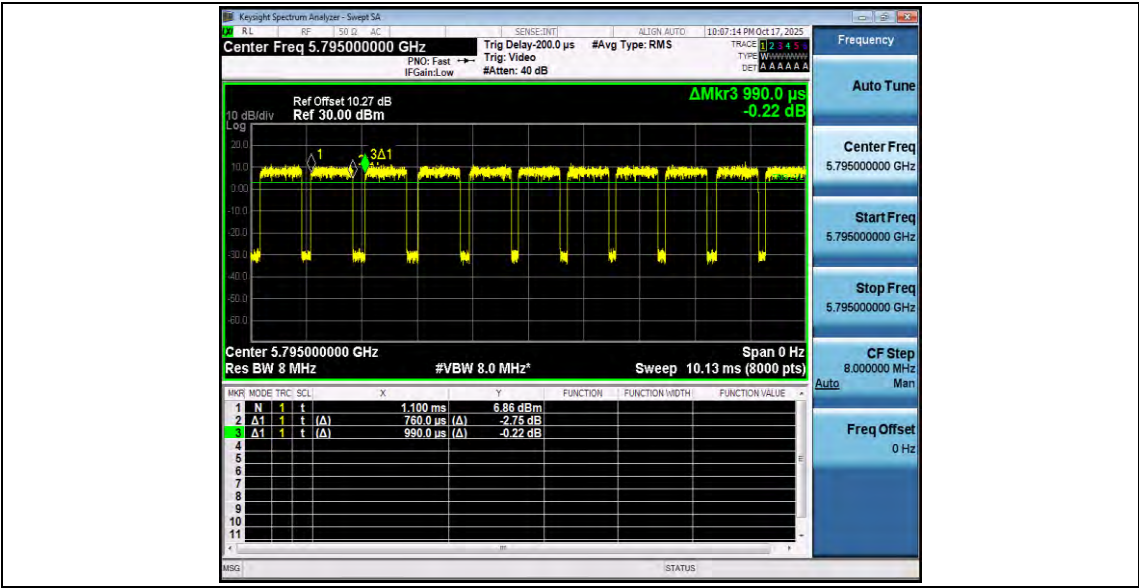
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785







Appendix E.4: 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	10.18	89.43	0.49	10.67	≤30.00	PASS
		5785	10.70	97.20	0.12	10.82	≤30.00	PASS
		5825	10.43	92.27	0.35	10.78	≤30.00	PASS
11N20SISO	Ant1	5745	10.43	90.87	0.42	10.85	≤30.00	PASS
		5785	10.86	90.43	0.44	11.30	≤30.00	PASS
		5825	10.83	90.00	0.46	11.29	≤30.00	PASS
11N40SISO	Ant1	5755	10.91	80.87	0.92	11.83	≤30.00	PASS
		5795	12.76	83.04	0.81	13.57	≤30.00	PASS
11AC20SISO	Ant1	5745	13.34	94.06	0.27	13.61	≤30.00	PASS
		5785	13.41	91.79	0.37	13.78	≤30.00	PASS
		5825	13.55	91.35	0.39	13.94	≤30.00	PASS
11AC40SISO	Ant1	5755	7.54	81.03	0.91	8.45	≤30.00	PASS
		5795	13.13	81.58	0.88	14.01	≤30.00	PASS
11AX20SISO	Ant1	5745	9.59	88.02	0.55	10.14	≤30.00	PASS
		5785	9.93	87.50	0.58	10.51	≤30.00	PASS
		5825	9.47	85.88	0.66	10.13	≤30.00	PASS
11AX40SISO	Ant1	5755	9.38	73.33	1.35	10.73	≤30.00	PASS
		5795	9.23	76.77	1.15	10.38	≤30.00	PASS

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-3.21	≤30.00	PASS
		5785	-2.55	≤30.00	PASS
		5825	-3.59	≤30.00	PASS
11N20SISO	Ant1	5745	-3.48	≤30.00	PASS
		5785	-3.26	≤30.00	PASS
		5825	-3.28	≤30.00	PASS
11N40SISO	Ant1	5755	-4.08	≤30.00	PASS
		5795	-3.95	≤30.00	PASS
11AC20SISO	Ant1	5745	-0.76	≤30.00	PASS
		5785	-0.33	≤30.00	PASS
		5825	-0.71	≤30.00	PASS
11AC40SISO	Ant1	5755	-4.98	≤30.00	PASS
		5795	-2.87	≤30.00	PASS
11AX20SISO	Ant1	5745	-4.76	≤30.00	PASS
		5785	-4.30	≤30.00	PASS
		5825	-4.77	≤30.00	PASS
11AX40SISO	Ant1	5755	-7.09	≤30.00	PASS
		5795	-8.62	≤30.00	PASS

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

2.The Duty Cycle Factor and RBW Factor is compensated in the 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



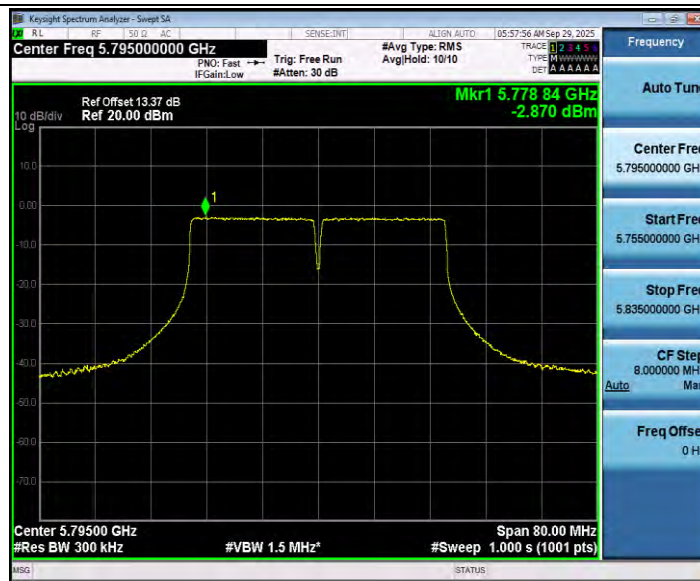
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795

