

Case No. : <u>GTS20250708005-2-04</u>	
Ambient Condition: <u>23</u> °C, <u>53</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.7.15-2025.8.04</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	Ant0	5745	16.994	5736.4970	5753.4910	---	---
		5785	16.988	5776.5334	5793.5214	---	---
		5825	16.896	5816.6057	5833.5017	---	---
11N20SISO	Ant0	5745	17.878	5736.0666	5753.9446	---	---
		5785	17.924	5776.0647	5793.9887	---	---
		5825	17.849	5816.0910	5833.9400	---	---
11N40SISO	Ant0	5755	36.465	5736.8422	5773.3072	---	---
		5795	36.393	5776.8371	5813.2301	---	---
11AC20SISO	Ant0	5745	17.879	5736.0815	5753.9605	---	---
		5785	17.862	5776.1106	5793.9726	---	---
		5825	17.867	5816.1308	5833.9978	---	---
11AC40SISO	Ant0	5755	36.464	5736.8645	5773.3285	---	---
		5795	36.424	5776.8496	5813.2736	---	---
11AC80SISO	Ant0	5775	75.515	5737.3846	5812.8996	---	---

Test Graphs

11A_Ant0_5745



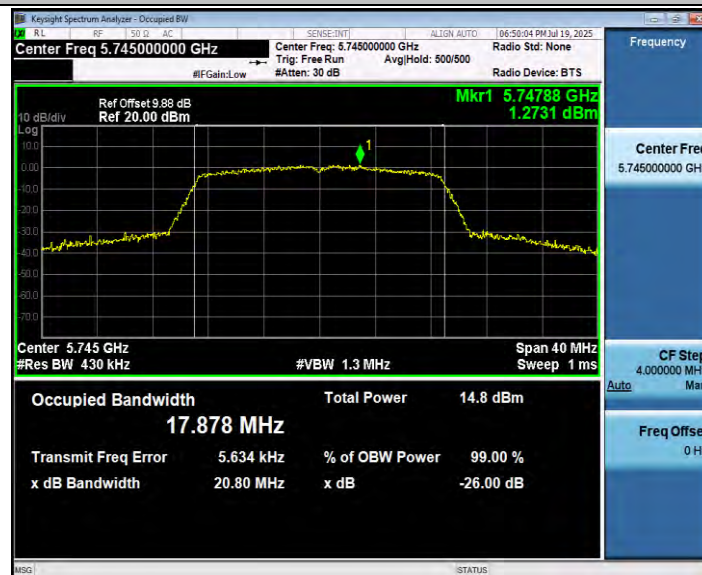
11A_Ant0_5785



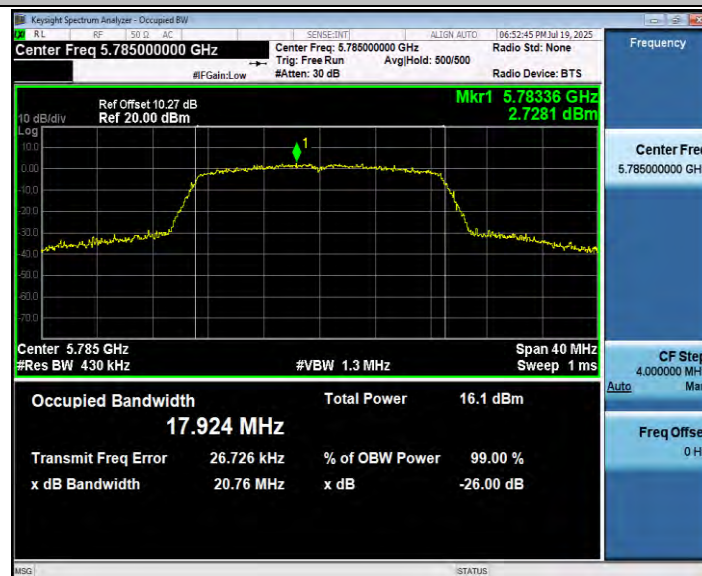
11A_Ant0_5825



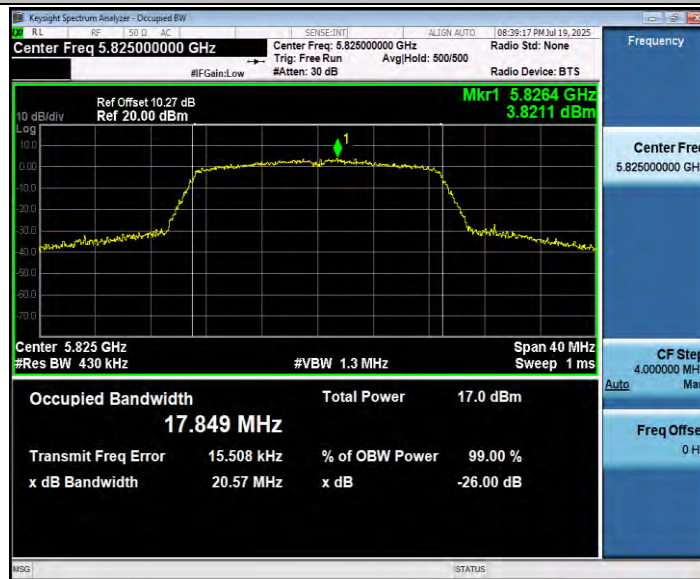
11N20SISO_Ant0_5745



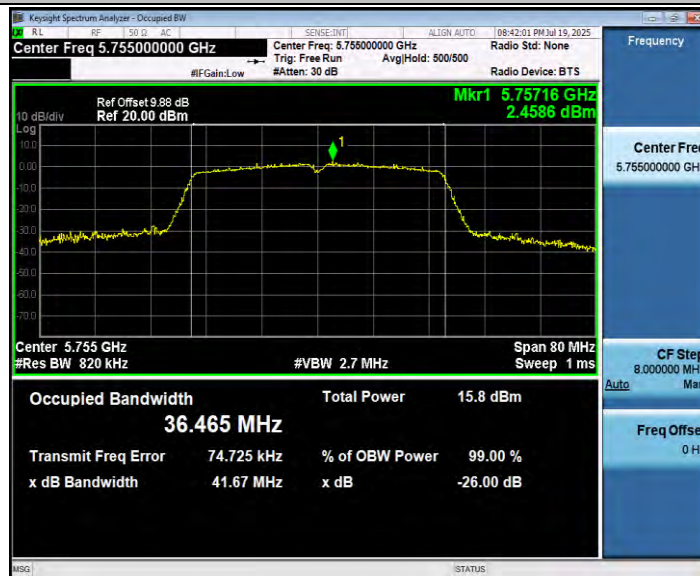
11N20SISO_Ant0_5785



11N20SISO_Ant0_5825



11N40SISO_Ant0_5755



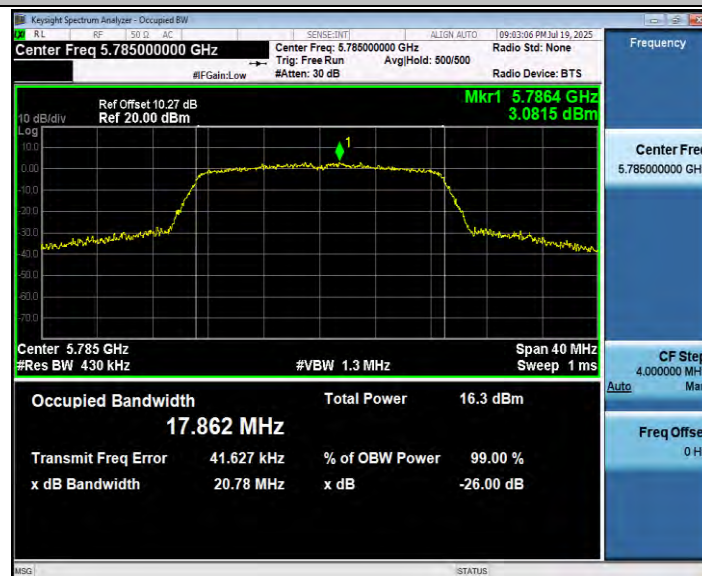
11N40SISO_Ant0_5795



11AC20SISO_Ant0_5745



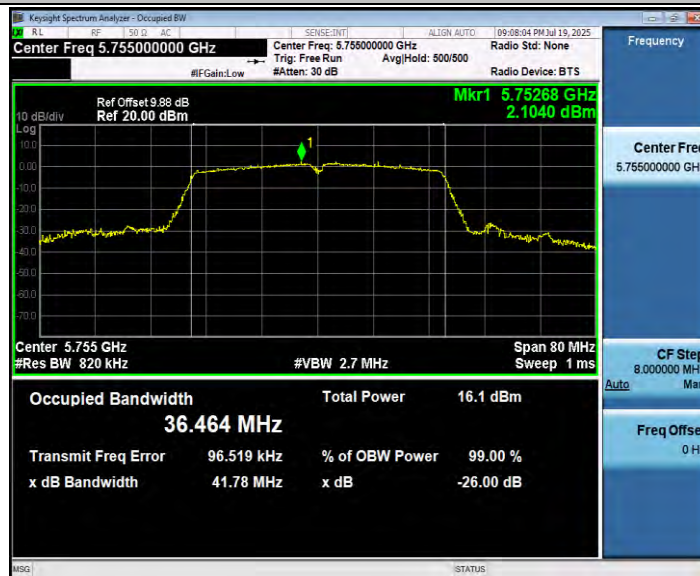
11AC20SISO_Ant0_5785



11AC20SISO_Ant0_5825



11AC40SISO_Ant0_5755



11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5775



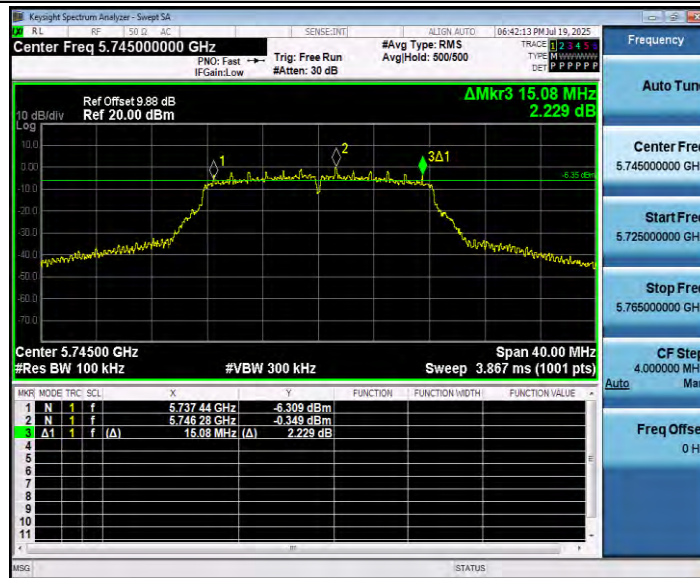
Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N20SISO	Ant0	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.080	5777.480	5792.560	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N40SISO	Ant0	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant0	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	15.080	5777.480	5792.560	0.5	PASS
		5825	15.120	5817.480	5832.600	0.5	PASS
11AC40SISO	Ant0	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC80SISO	Ant0	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

11A_Ant0_5745



11A_Ant0_5785



11A_Ant0_5825



11N20SISO_Ant0_5745



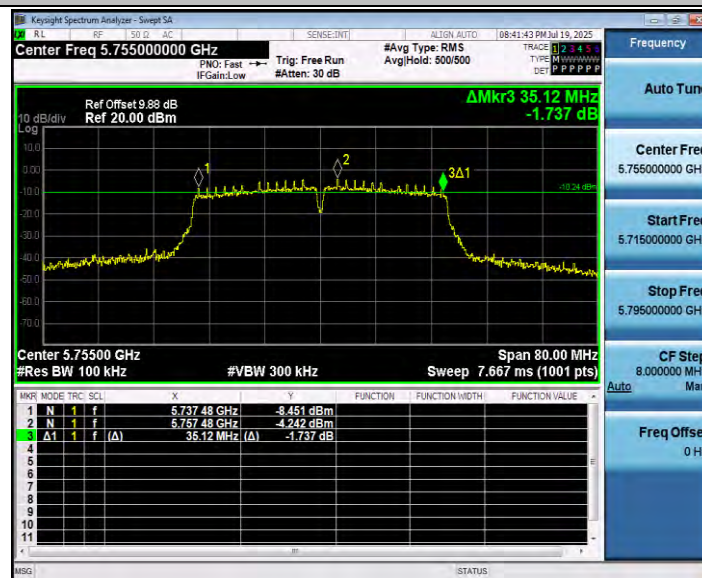
11N20SISO_Ant0_5785



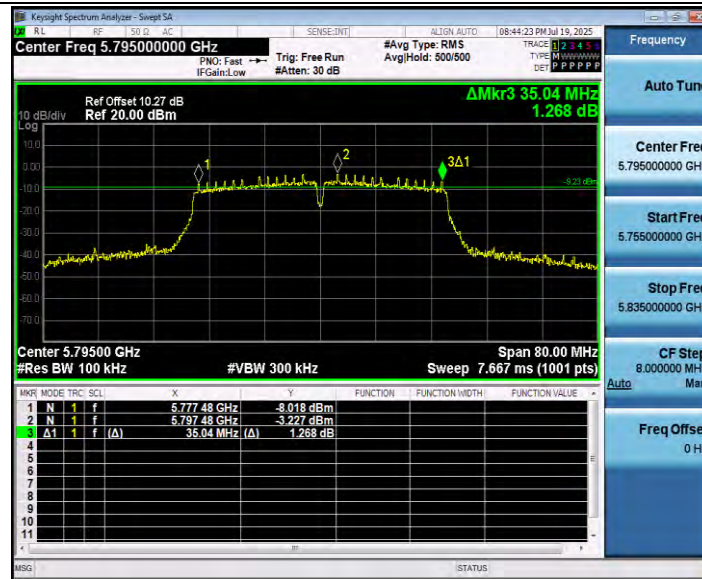
11N20SISO_Ant0_5825



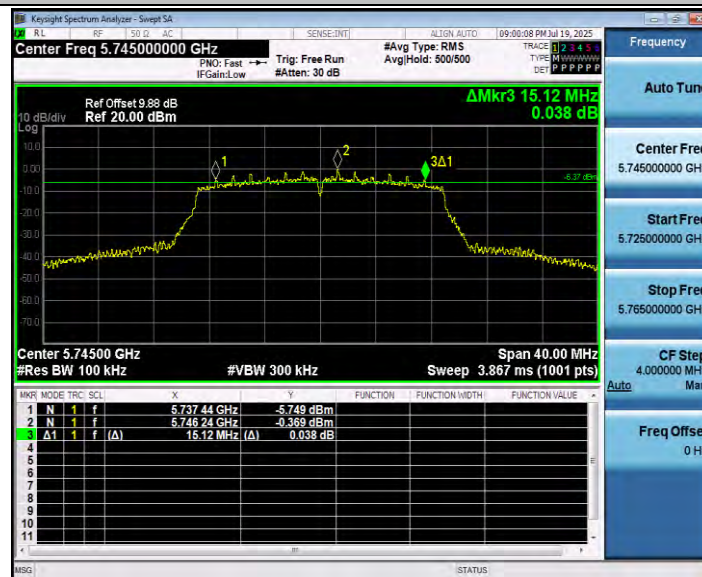
11N40SISO_Ant0_5755



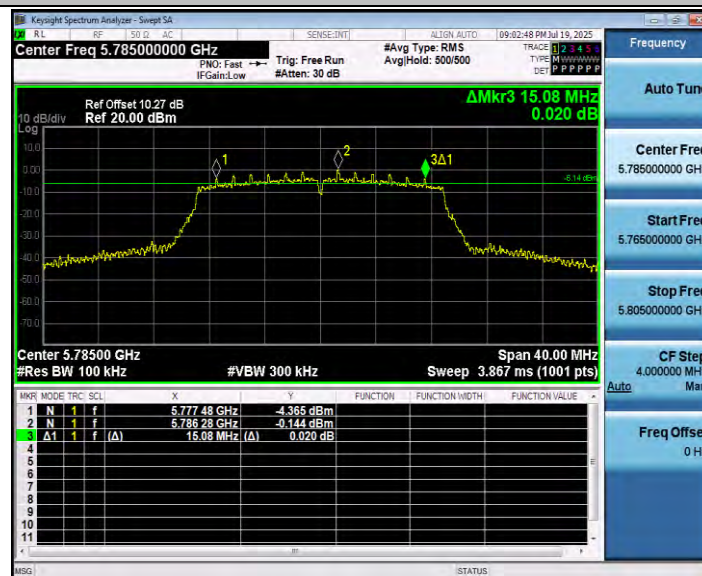
11N40SISO_Ant0_5795



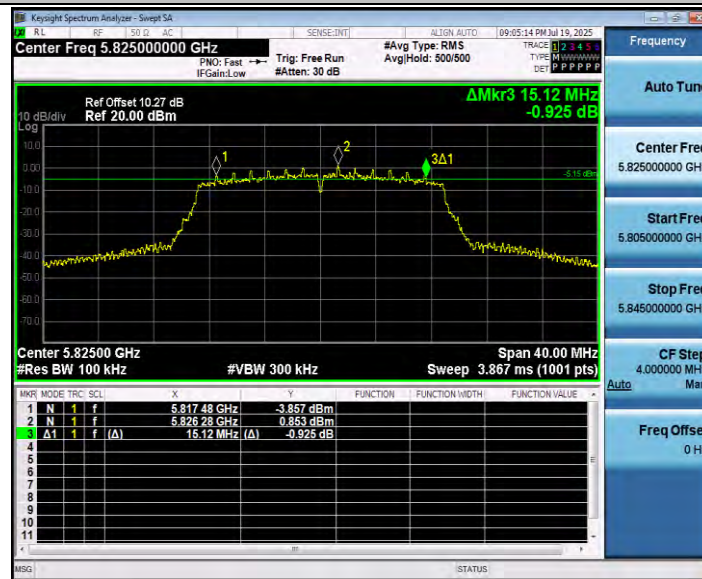
11AC20SISO_Ant0_5745



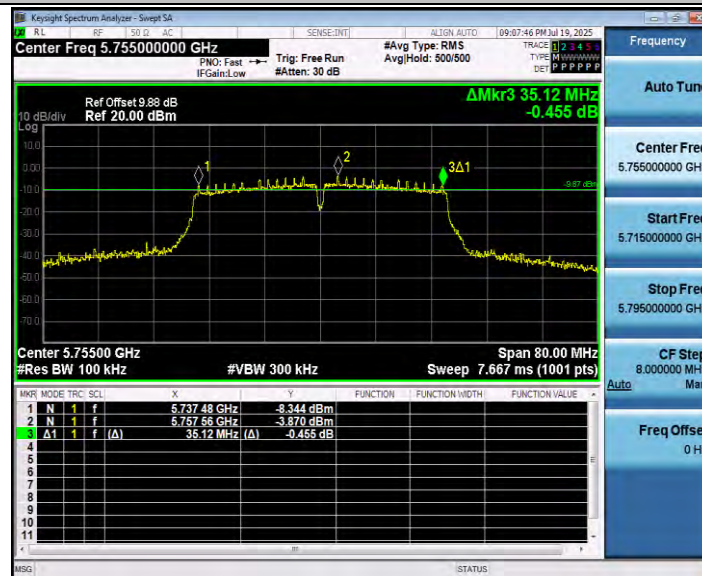
11AC20SISO_Ant0_5785



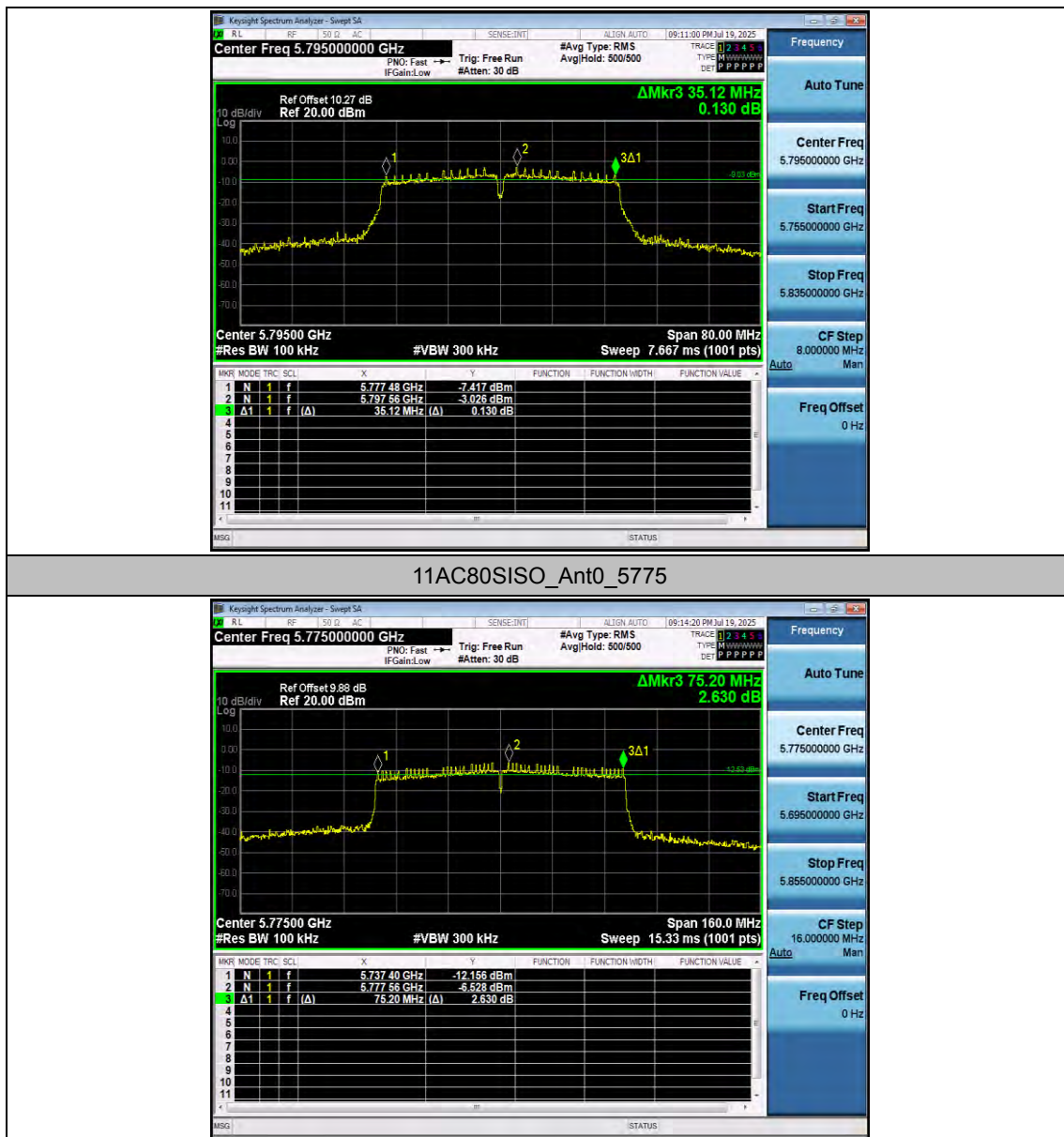
11AC20SISO_Ant0_5825



11AC40SISO_Ant0_5755



11AC40SISO_Ant0_5795



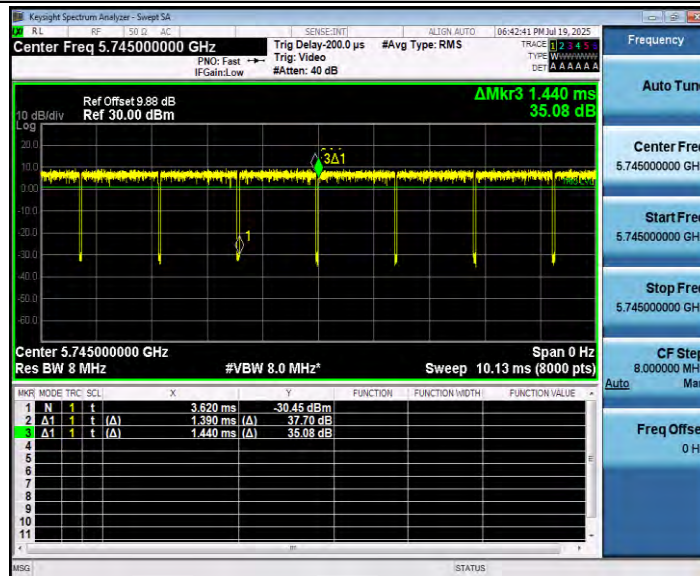
Appendix E.3: Duty Cycle

Test Result

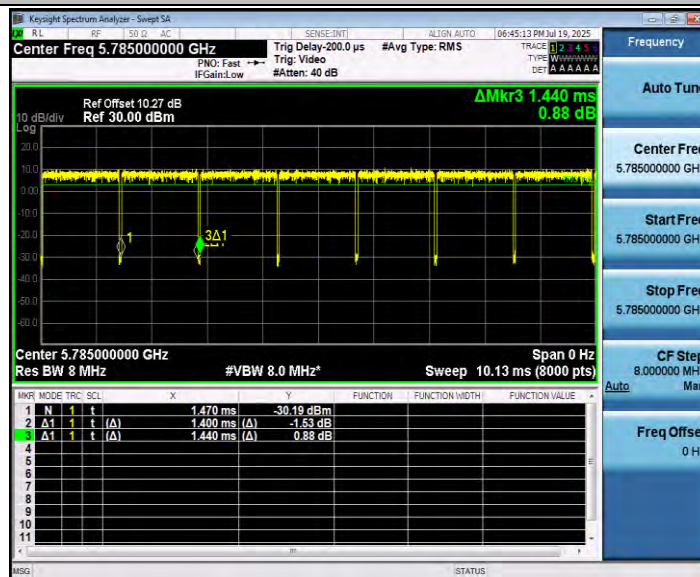
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant0	5745	1.39	1.44	96.53	0.15	0.72
		5785	1.40	1.44	97.22	0.12	0.71
		5825	1.39	1.44	96.53	0.15	0.72
11N20SISO	Ant0	5745	1.30	1.34	97.01	0.13	0.77
		5785	1.30	1.34	97.01	0.13	0.77
		5825	1.30	1.34	97.01	0.13	0.77
11N40SISO	Ant0	5755	0.65	0.69	94.20	0.26	1.54
		5795	0.65	0.69	94.20	0.26	1.54
11AC20SISO	Ant0	5745	0.68	0.73	93.15	0.31	1.47
		5785	0.68	0.72	94.44	0.25	1.47
		5825	0.67	0.72	93.06	0.31	1.49
11AC40SISO	Ant0	5755	0.35	0.40	87.50	0.58	2.86
		5795	0.35	0.39	89.74	0.47	2.86
11AC80SISO	Ant0	5775	0.19	0.23	82.61	0.83	5.26

Test Graphs

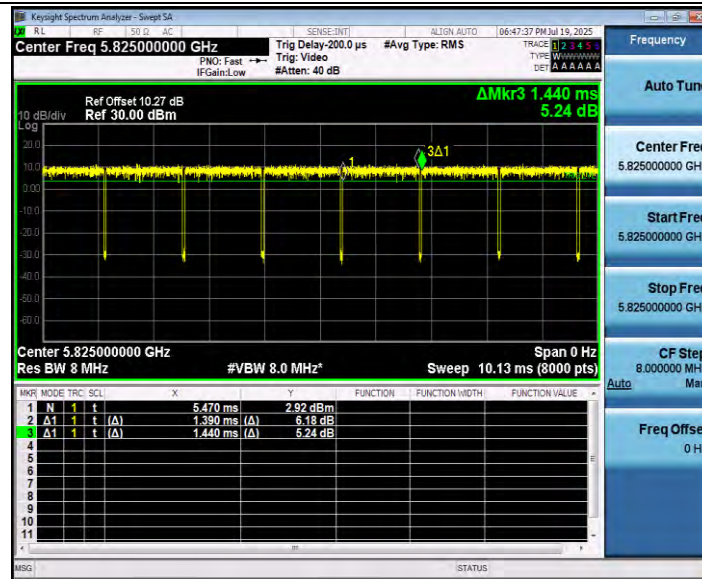
11A_Ant0_5745



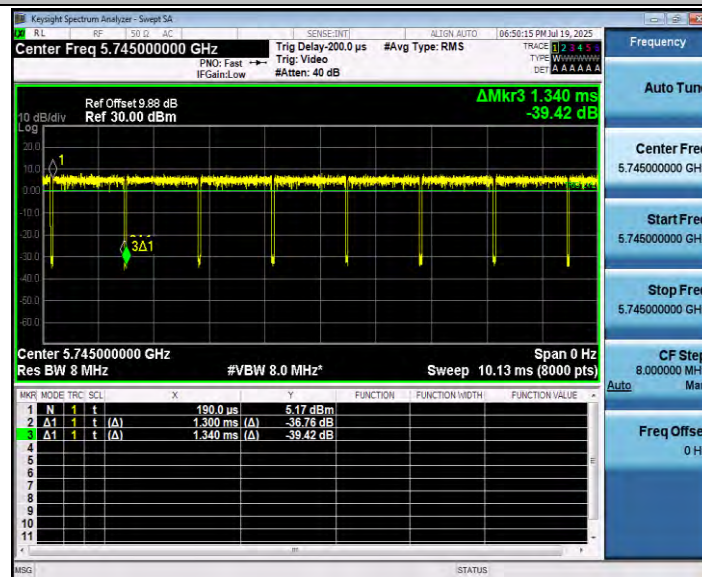
11A_Ant0_5785



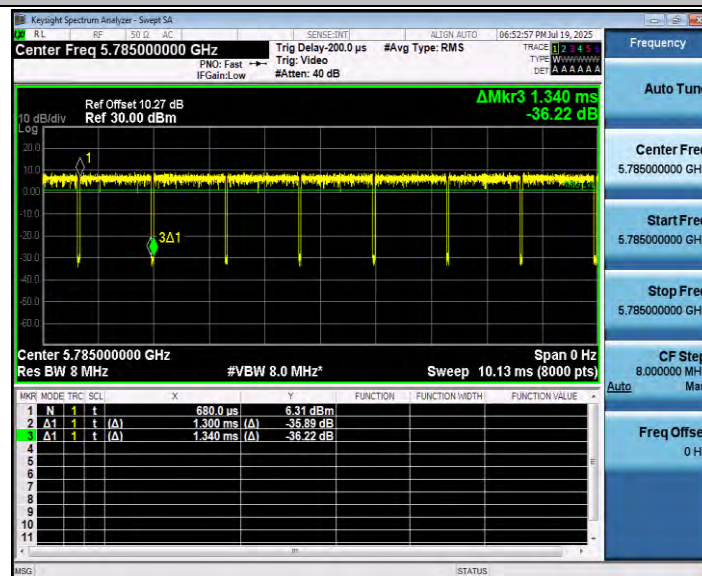
11A_Ant0_5825

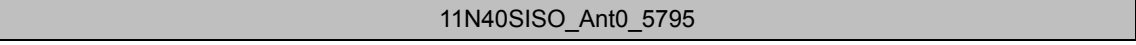
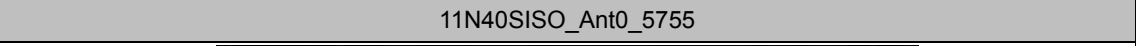


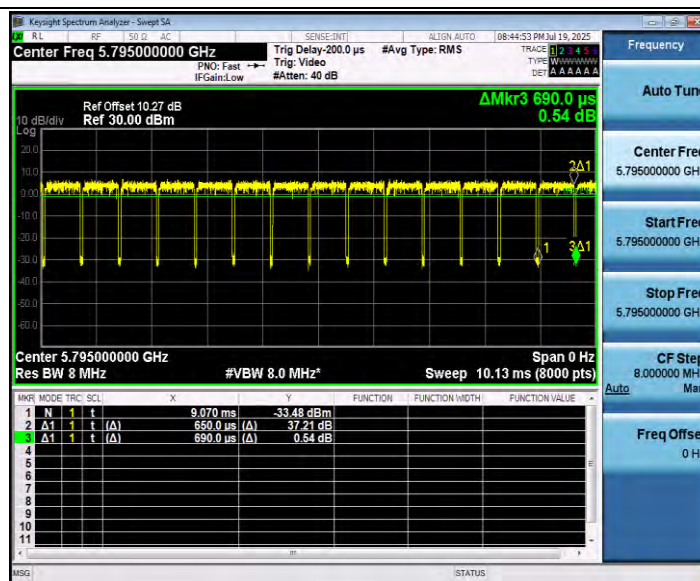
11N20SISO_Ant0_5745



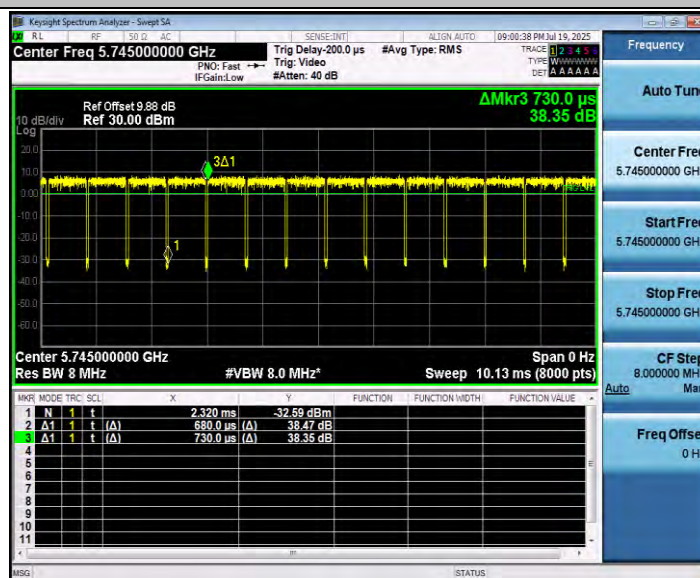
11N20SISO_Ant0_5785



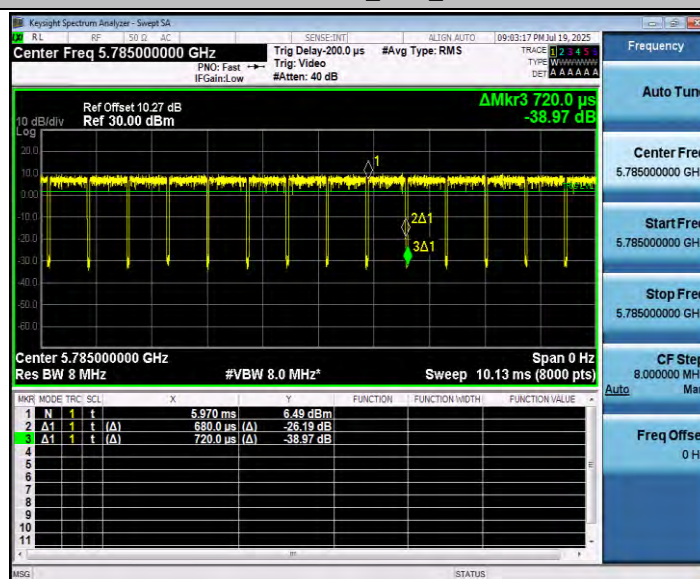


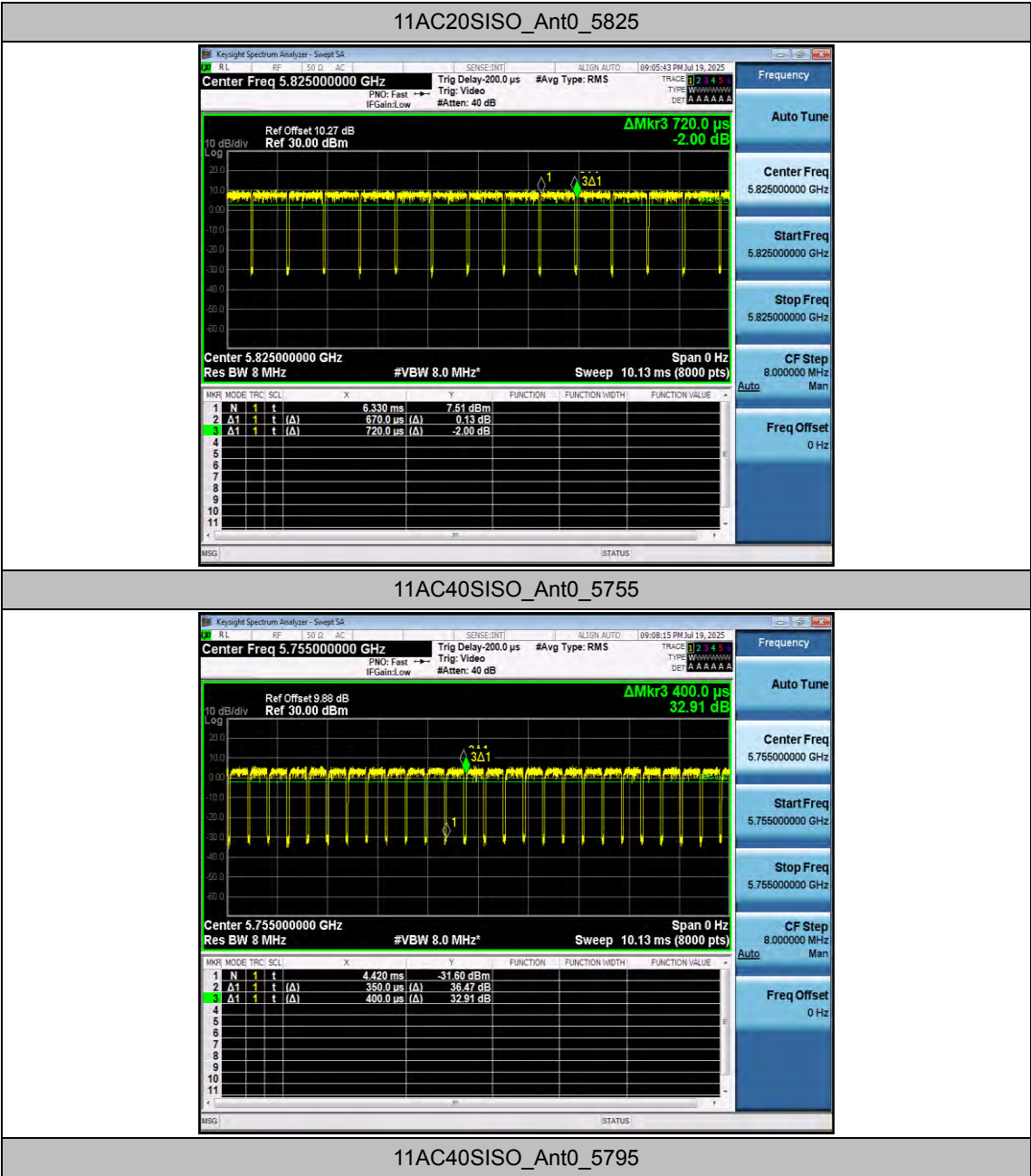


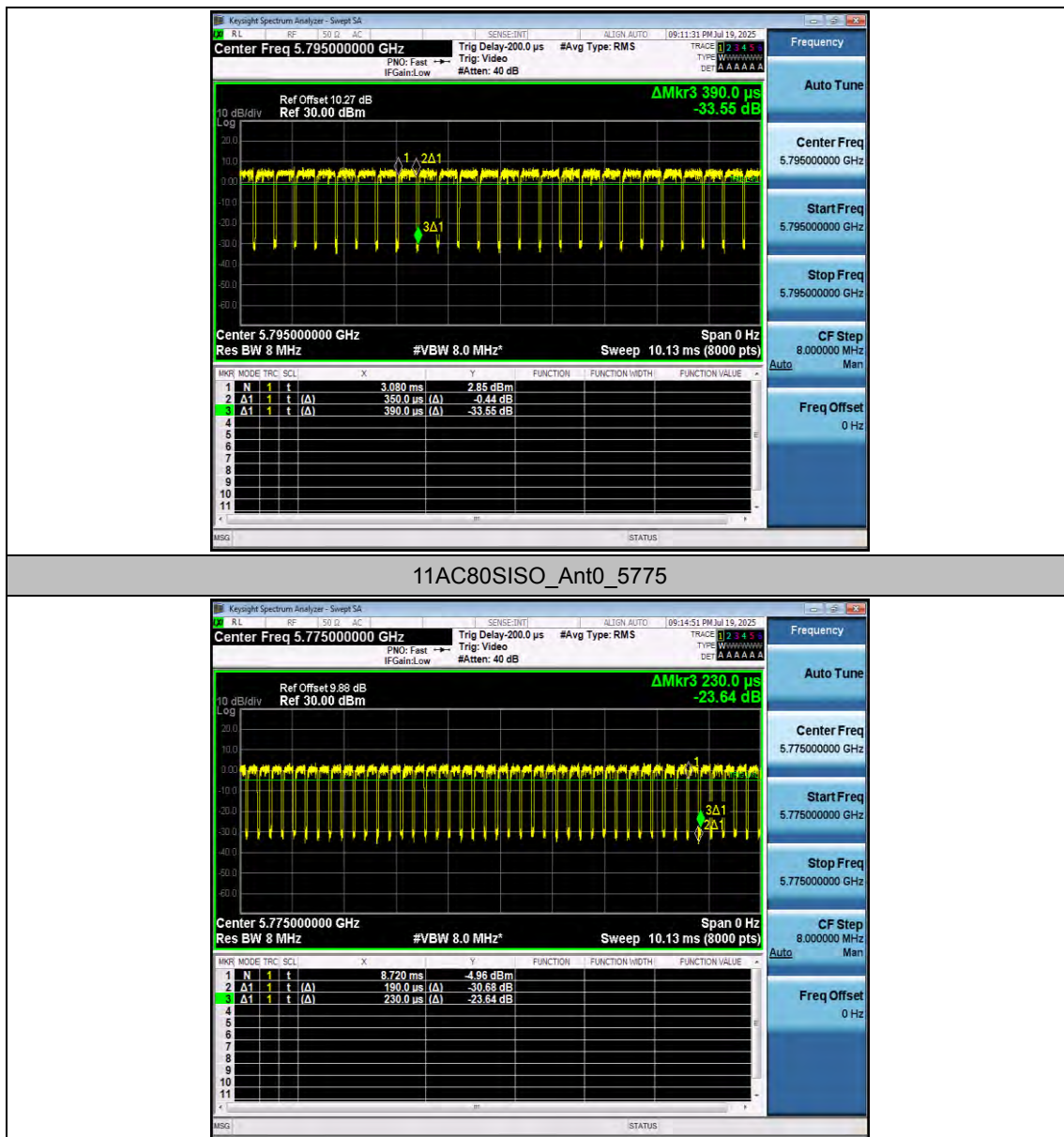
11AC20SISO_Ant0_5745



11AC20SISO_Ant0_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	Ant0	5745	9.32	96.53	0.15	9.47	≤30.00	PASS
		5785	10.35	97.22	0.12	10.47	≤30.00	PASS
		5825	11.02	96.53	0.15	11.17	≤30.00	PASS
11N20SISO	Ant0	5745	8.07	97.01	0.13	8.20	≤30.00	PASS
		5785	8.80	97.01	0.13	8.93	≤30.00	PASS
		5825	10.01	97.01	0.13	10.14	≤30.00	PASS
11N40SISO	Ant0	5755	8.16	94.20	0.26	8.42	≤30.00	PASS
		5795	9.19	94.20	0.26	9.45	≤30.00	PASS
11AC20SISO	Ant0	5745	8.42	93.15	0.31	8.73	≤30.00	PASS
		5785	9.32	94.44	0.25	9.57	≤30.00	PASS
		5825	10.29	93.06	0.31	10.60	≤30.00	PASS
11AC40SISO	Ant0	5755	8.31	87.50	0.58	8.89	≤30.00	PASS
		5795	9.50	89.74	0.47	9.97	≤30.00	PASS
11AC80SISO	Ant0	5775	8.61	82.61	0.83	9.44	≤30.00	PASS

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5745	-4.07	≤30.00	PASS
		5785	-3.09	≤30.00	PASS
		5825	-2.37	≤30.00	PASS
11N20SISO	Ant0	5745	-5.44	≤30.00	PASS
		5785	-4.43	≤30.00	PASS
		5825	-3.08	≤30.00	PASS
11N40SISO	Ant0	5755	-8.01	≤30.00	PASS
		5795	-6.95	≤30.00	PASS
11AC20SISO	Ant0	5745	-4.82	≤30.00	PASS
		5785	-3.89	≤30.00	PASS
		5825	-2.88	≤30.00	PASS
11AC40SISO	Ant0	5755	-7.39	≤30.00	PASS
		5795	-6.29	≤30.00	PASS
11AC80SISO	Ant0	5775	-9.55	≤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_Ant0_5745



11A_Ant0_5785



11A_Ant0_5825



11N20SISO_Ant0_5745



11N20SISO_Ant0_5785



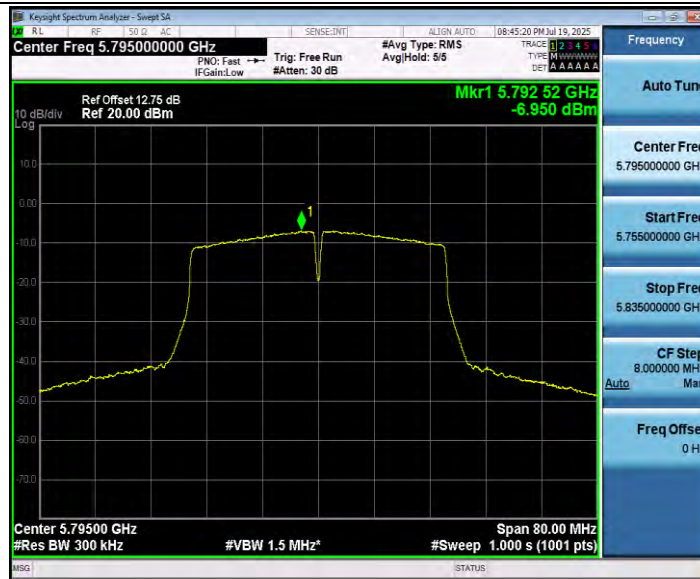
11N20SISO_Ant0_5825



11N40SISO_Ant0_5755



11N40SISO_Ant0_5795



11AC20SISO_Ant0_5745



11AC20SISO_Ant0_5785



11AC20SISO_Ant0_5825



11AC40SISO_Ant0_5755



11AC40SISO_Ant0_5795



11AC80SISO_Ant0_5775



Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant0	Low	5745	5650~5700	-38.47	≤-24.83	PASS
				5700~5720	-39.56	≤10.12	PASS
				5720~5725	-38.11	≤16.08	PASS
				5760~5650	-39.55	≤-27	PASS
		High	5825	5850~5855	-37.14	≤16.96	PASS
				5855~5875	-38.34	≤10.44	PASS
				5875~5925	-39.36	≤-26.81	PASS
				5925~5935	-37.42	≤-27	PASS
11N20SISO	Ant0	Low	5745	5650~5700	-40.9	≤-26.87	PASS
				5700~5720	-38.15	≤10.83	PASS
				5720~5725	-38.75	≤15.82	PASS
				5760~5650	-39.86	≤-27	PASS
		High	5825	5850~5855	-39.66	≤15.73	PASS
				5855~5875	-38	≤11.08	PASS
				5875~5925	-39.04	≤-26.31	PASS
				5925~5935	-38.36	≤-27	PASS
11N40SISO	Ant0	Low	5755	5650~5700	-39.22	≤-26.40	PASS
				5700~5720	-35.03	≤11.38	PASS
				5720~5725	-31.86	≤16.04	PASS
				5780~5650	-39.28	≤-27	PASS
		High	5795	5850~5855	-38.84	≤16.41	PASS
				5855~5875	-39.23	≤10.16	PASS
				5875~5925	-38.78	≤-25.98	PASS
				5925~5935	-37.72	≤-27	PASS
11AC20SISO	Ant0	Low	5745	5650~5700	-40.03	≤-26.62	PASS
				5700~5720	-39.87	≤10.06	PASS
				5720~5725	-37.21	≤16.60	PASS
				5760~5650	-38.73	≤-27	PASS
		High	5825	5850~5855	-36.34	≤18.19	PASS
				5855~5875	-38.55	≤10.02	PASS
				5875~5925	-39.18	≤-26.61	PASS
				5925~5935	-37.19	≤-27	PASS
11AC40SISO	Ant0	Low	5755	5650~5700	-39.28	≤-25.51	PASS
				5700~5720	-28.35	≤15.58	PASS
				5720~5725	-28.1	≤17.28	PASS

				5780~5650	-38.86	≤ -27	PASS
		High	5795	5850~5855	-38.35	≤ 17.16	PASS
				5855~5875	-38.44	≤ 10.11	PASS
				5875~5925	-39.48	≤ -26.83	PASS
				5925~5935	-38.36	≤ -27	PASS
11AC80SISO	Ant0	Low	5775	5650~5700	-39.8	≤ -26.91	PASS
				5700~5720	-29.12	≤ 11.96	PASS
				5720~5725	-29.46	≤ 16.00	PASS
				5800~5650	-39.06	≤ -27	PASS
		High	5775	5850~5855	-36.96	≤ 16.26	PASS
				5855~5875	-35.7	≤ 11.07	PASS
				5875~5925	-38.69	≤ -26.87	PASS
				5925~5935	-39.07	≤ -27	PASS

Test Graphs B4

11A_Ant0_Low_5745



11A_Ant0_High_5825



11N20SISO_Ant0_Low_5745



11N20SISO_Ant0_High_5825



11N40SISO_Ant0_Low_5755



11N40SISO_Ant0_High_5795



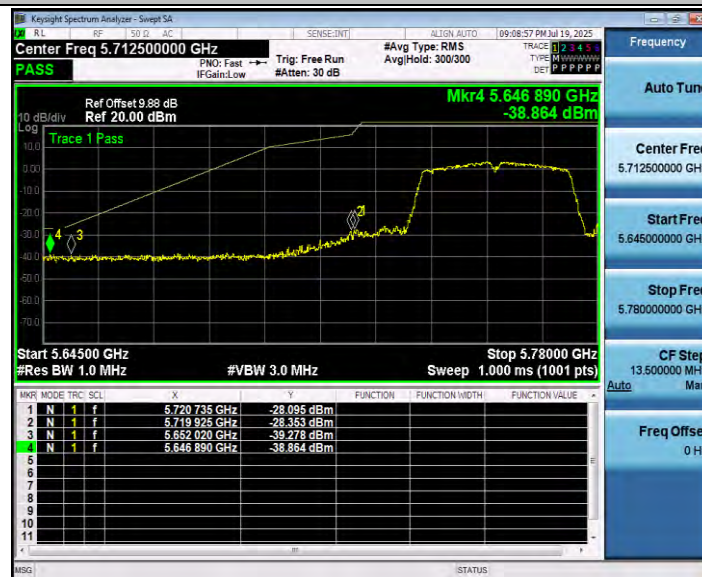
11AC20SISO_Ant0_Low_5745



11AC20SISO_Ant0_High_5825



11AC40SISO_Ant0_Low_5755



11AC40SISO_Ant0_High_5795



11AC80SISO_Ant0_Low_5775



11AC80SISO_Ant0_High_5775



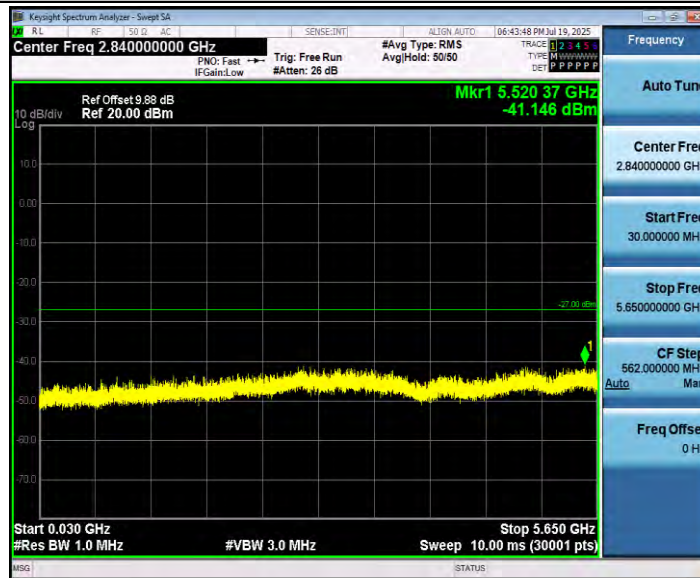
Appendix E.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant0	5745	30~5650	5520.37	-41.15	≤-27	PASS
			5925~27000	26844.75	-32.13	≤-27	PASS
		5785	30~5650	5369.19	-39.85	≤-27	PASS
			5925~27000	26822.27	-31.63	≤-27	PASS
		5825	30~5650	5455.17	-39.87	≤-27	PASS
			5925~27000	26869.34	-30.64	≤-27	PASS
11N20SISO	Ant0	5745	30~5650	2681.52	-40.65	≤-27	PASS
			5925~27000	26919.21	-31.13	≤-27	PASS
		5785	30~5650	5464.35	-40.04	≤-27	PASS
			5925~27000	26636.81	-31.38	≤-27	PASS
		5825	30~5650	5460.23	-40.54	≤-27	PASS
			5925~27000	24328.39	-31.31	≤-27	PASS
11N40SISO	Ant0	5755	30~5650	2831.01	-40.16	≤-27	PASS
			5925~27000	26132.41	-31.35	≤-27	PASS
		5795	30~5650	2620.63	-40.01	≤-27	PASS
			5925~27000	26813.84	-31.77	≤-27	PASS
11AC20SISO	Ant0	5745	30~5650	5411.52	-40.25	≤-27	PASS
			5925~27000	24376.87	-31.7	≤-27	PASS
		5785	30~5650	2641.24	-40.01	≤-27	PASS
			5925~27000	25628.02	-30.95	≤-27	PASS
		5825	30~5650	5432.51	-39.83	≤-27	PASS
			5925~27000	24267.28	-30.89	≤-27	PASS
11AC40SISO	Ant0	5755	30~5650	5493.58	-40.6	≤-27	PASS
			5925~27000	26926.94	-31.44	≤-27	PASS
		5795	30~5650	3088.78	-39.67	≤-27	PASS
			5925~27000	23623.08	-31.22	≤-27	PASS
11AC80SISO	Ant0	5775	30~5650	2691.07	-40.9	≤-27	PASS
			5925~27000	24299.59	-31.3	≤-27	PASS

Test Graphs

11A_Ant0_5745_30~5650



11A_Ant0_5745_5925~27000



11A_Ant0_5785_30~5650



11A_Ant0_5785_5925~27000



11A_Ant0_5825_30~5650



11A_Ant0_5825_5925~27000



11N20SISO_Ant0_5745_30~5650



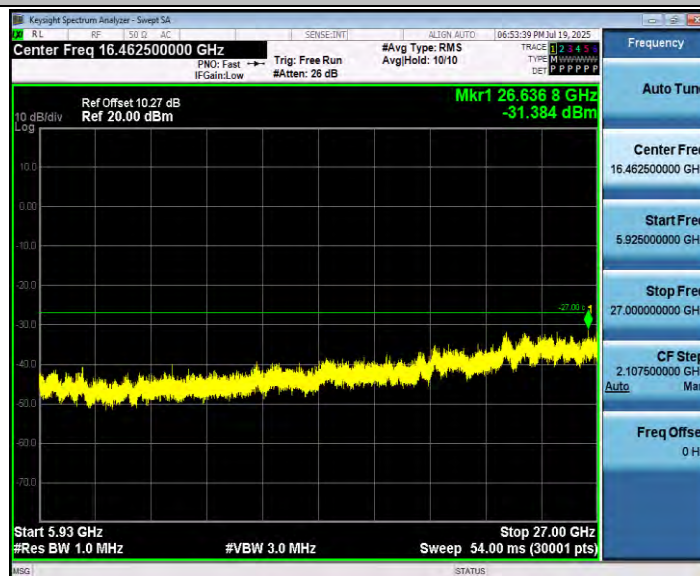
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11N20SISO_Ant0_5785_30~5650



11N20SISO_Ant0_5785_5925~27000



11N20SISO_Ant0_5825_30~5650



11N20SISO_Ant0_5825_5925~27000



11N40SISO_Ant0_5755_30~5650



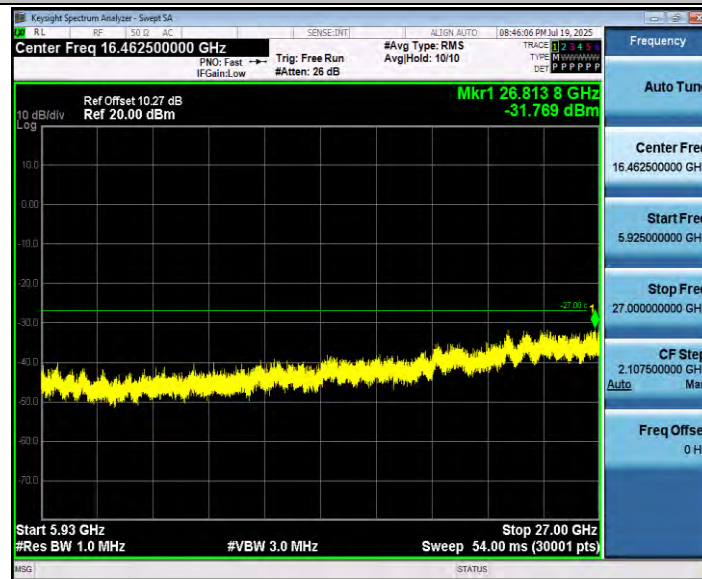
11N40SISO_Ant0_5755_5925~27000



11N40SISO_Ant0_5795_30~5650



11N40SISO_Ant0_5795_5925~27000



11AC20SISO_Ant0_5745_30~5650



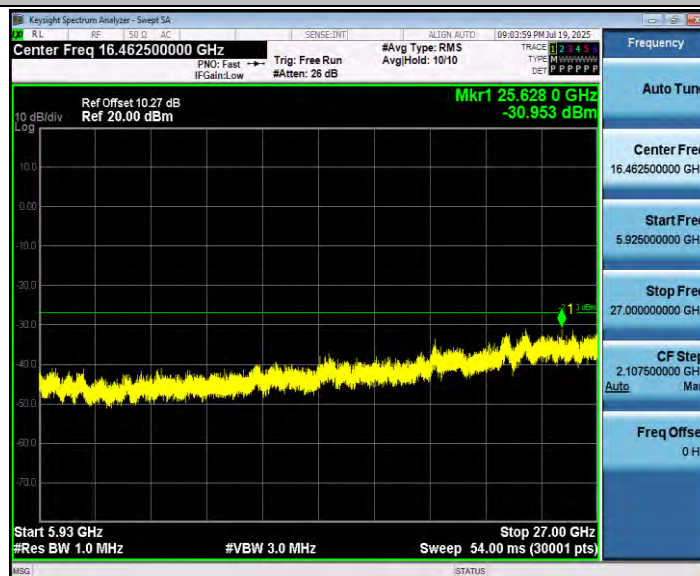
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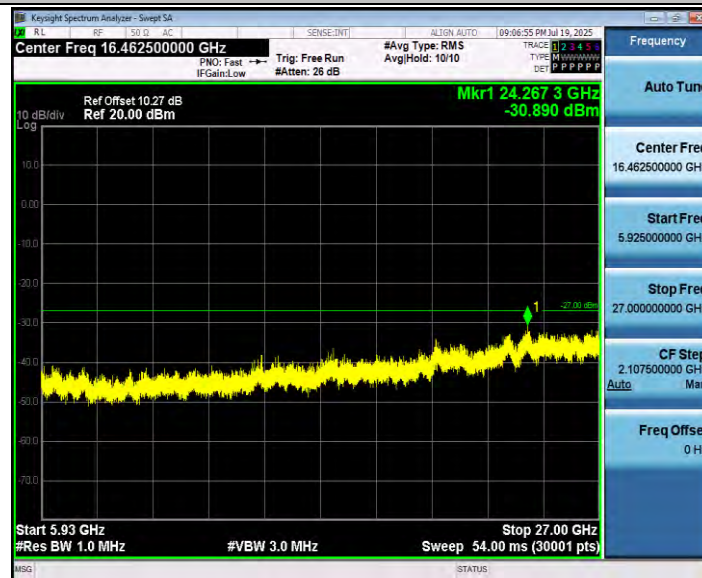
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11AC20SISO_Ant0_5825_30~5650



11AC20SISO_Ant0_5825_5925~27000



11AC40SISO_Ant0_5755_30~5650



11AC40SISO_Ant0_5755_5925~27000



11AC40SISO_Ant0_5795_30~5650



11AC40SISO_Ant0_5795_5925~27000



11AC80SISO_Ant0_5775_30~5650



11AC80SISO_Ant0_5775_5925~27000

