

Case No. : <u>GTS20250213022-1-04</u>	
Ambient Condition: <u>22</u> °C, <u>48</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.2.17—2025.3.4</u>	Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.080	5737.480	5752.560	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N20SISO	Ant1	5745	15.120	5737.400	5752.520	0.5	PASS
		5785	15.120	5777.400	5792.520	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.120	5777.400	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.120	5737.400	5752.520	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.720	5817.400	5833.120	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

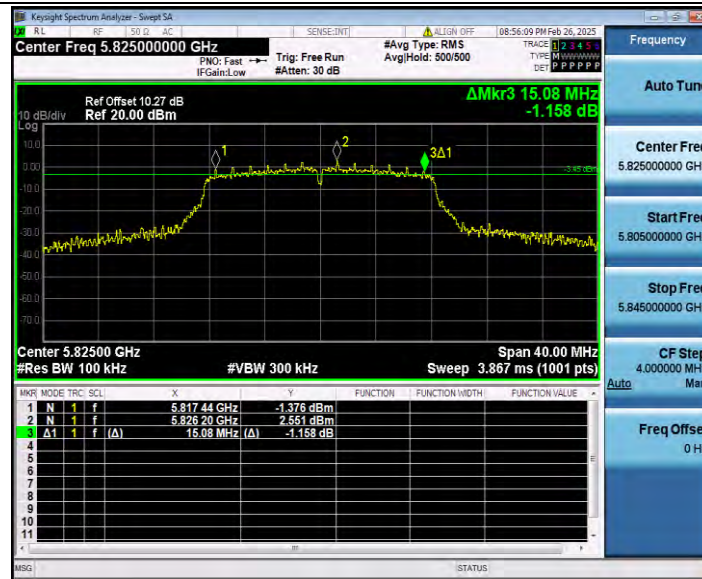
11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



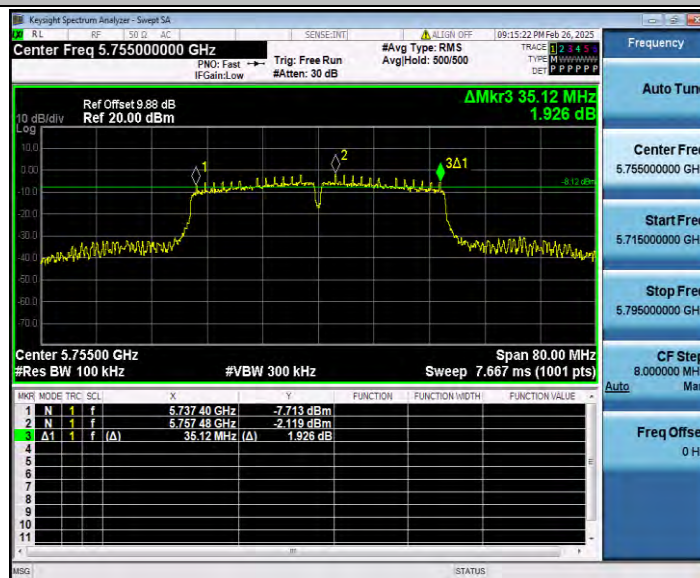
11N20SISO_Ant1_5785



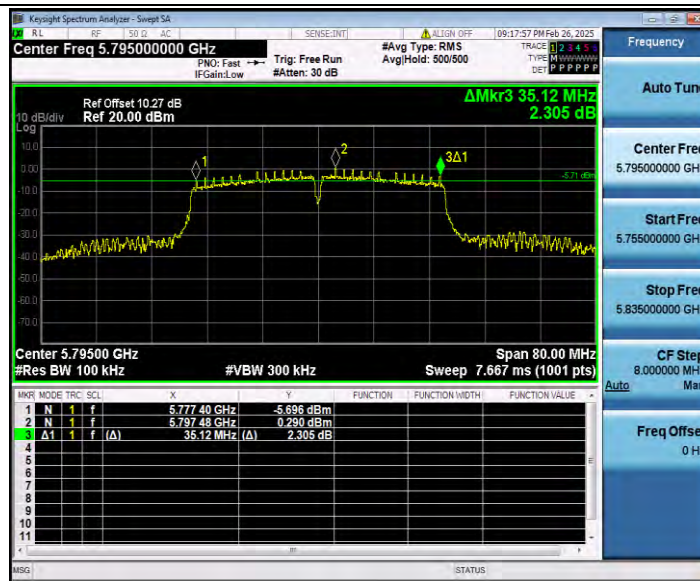
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



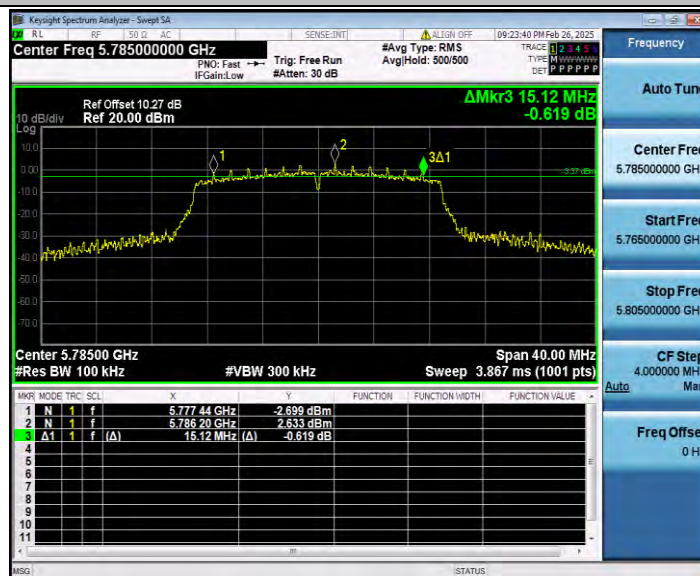
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



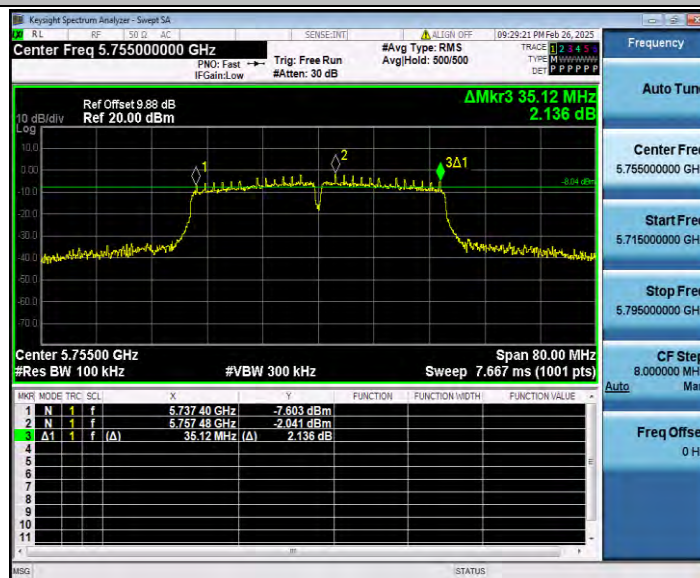
11AC20SISO_Ant1_5785



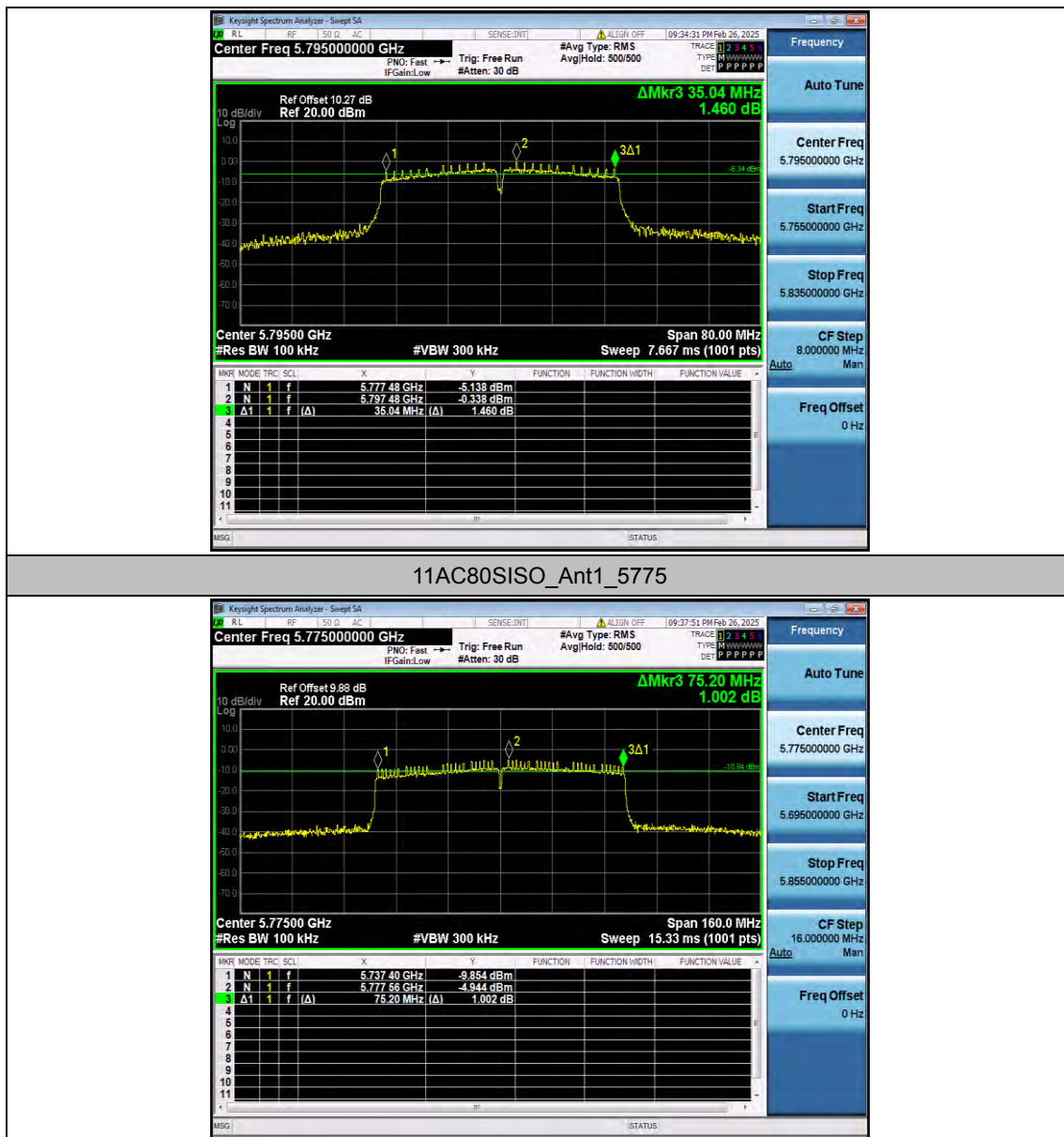
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



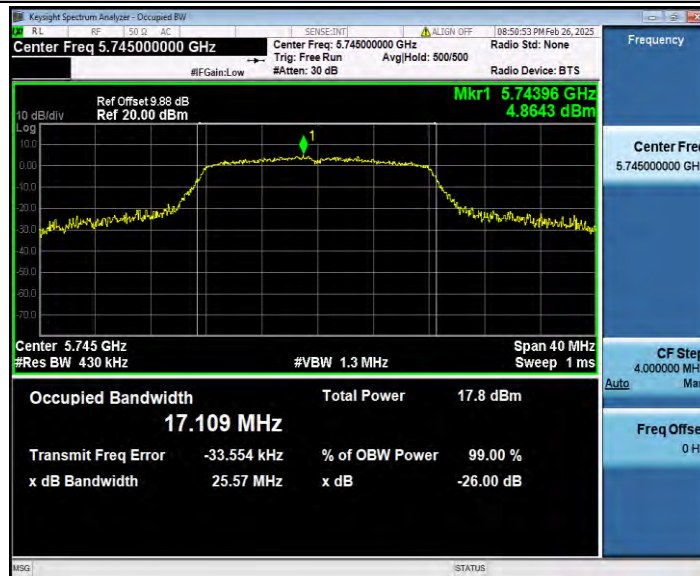
Appendix E.2: Occupied channel bandwidth

Test Result

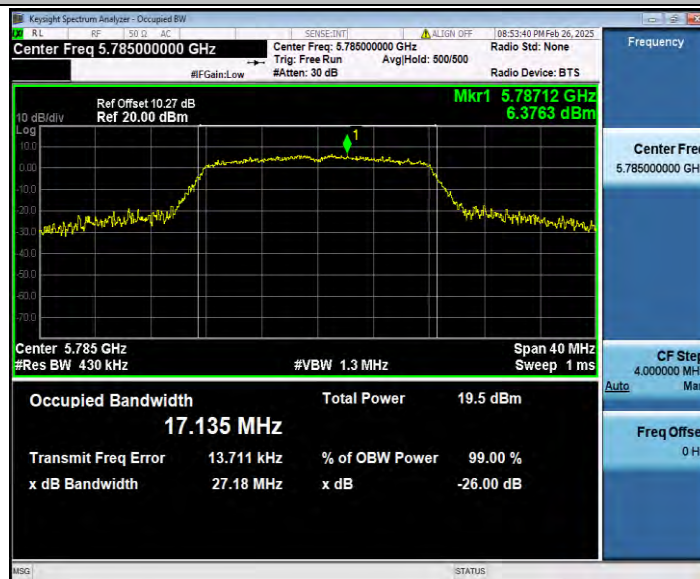
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.109	5736.4120	5753.5210	---	---
		5785	17.135	5776.4462	5793.5812	---	---
		5825	17.134	5816.4805	5833.6145	---	---
11N20SISO	Ant1	5745	18.107	5735.8994	5754.0064	---	---
		5785	18.046	5775.9950	5794.0410	---	---
		5825	18.102	5815.9657	5834.0677	---	---
11N40SISO	Ant1	5755	36.874	5736.6818	5773.5558	---	---
		5795	36.699	5776.8383	5813.5373	---	---
11AC20SISO	Ant1	5745	18.035	5735.9872	5754.0222	---	---
		5785	17.944	5776.0676	5794.0116	---	---
		5825	17.996	5816.0062	5834.0022	---	---
11AC40SISO	Ant1	5755	36.566	5736.7924	5773.3584	---	---
		5795	36.345	5776.9609	5813.3059	---	---
11AC80SISO	Ant1	5775	75.474	5737.4838	5812.9578	---	---

Test Graphs

11A_Ant1_5745



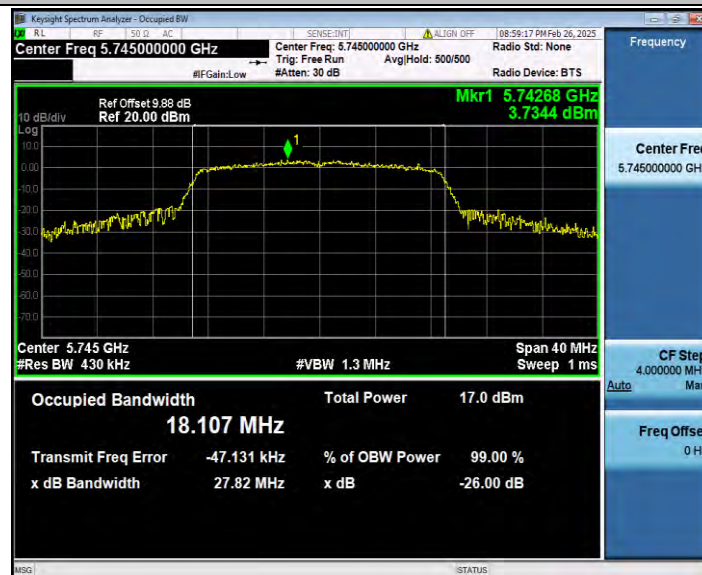
11A_Ant1_5785



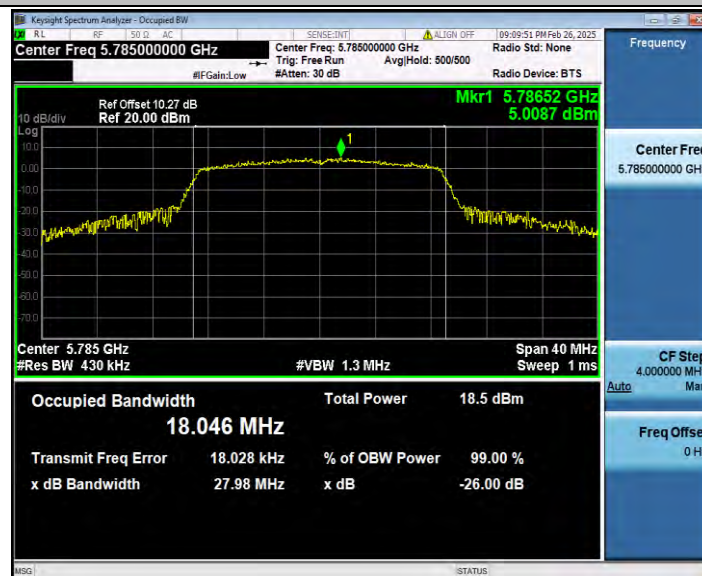
11A_Ant1_5825



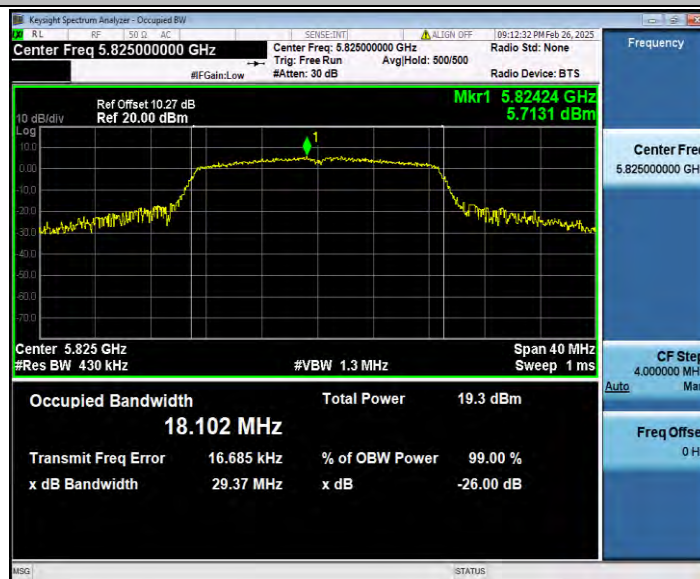
11N20SISO_Ant1_5745



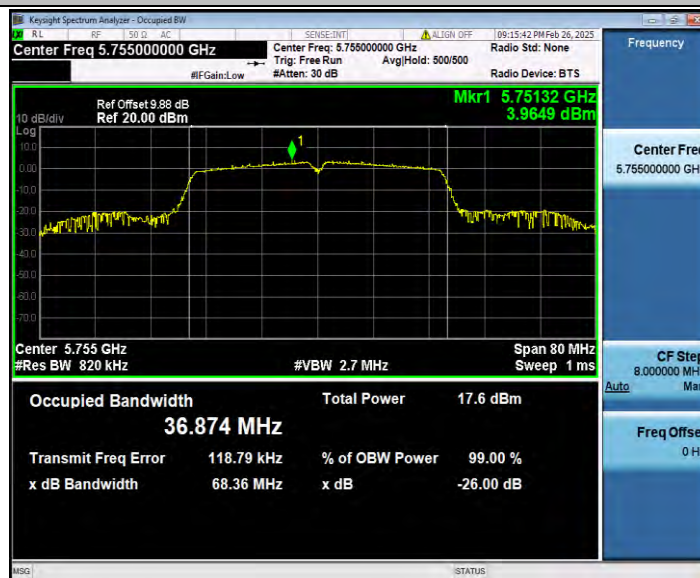
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



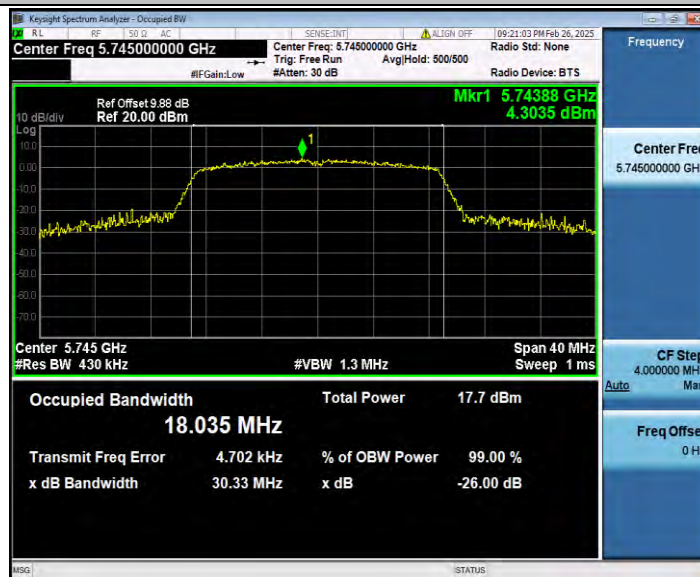
11N40SISO_Ant1_5755



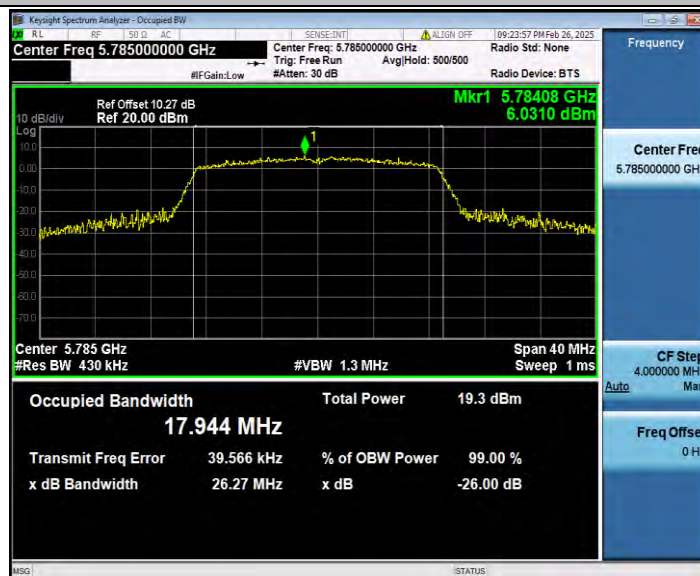
11N40SISO_Ant1_5795



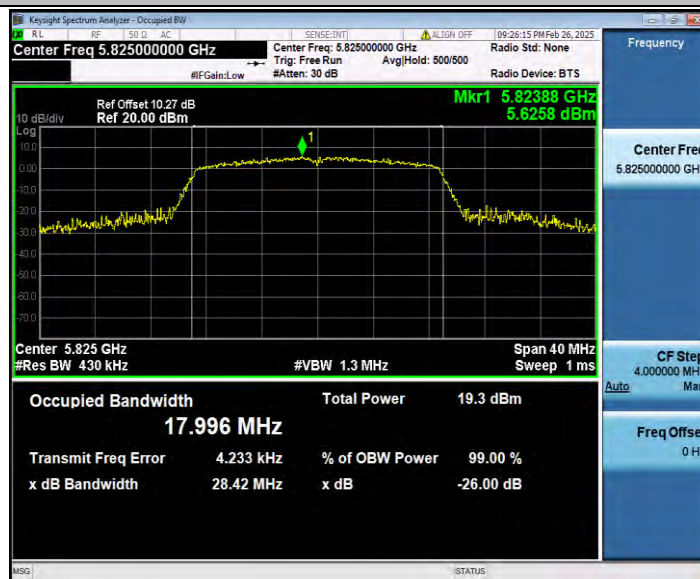
11AC20SISO_Ant1_5745



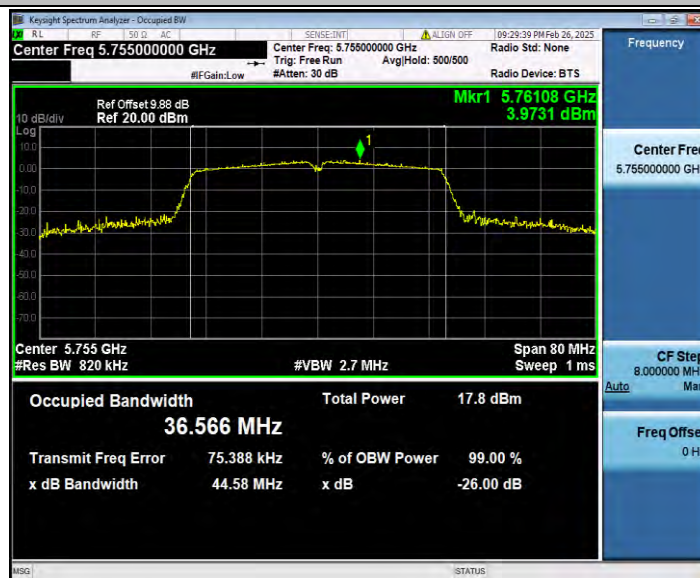
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



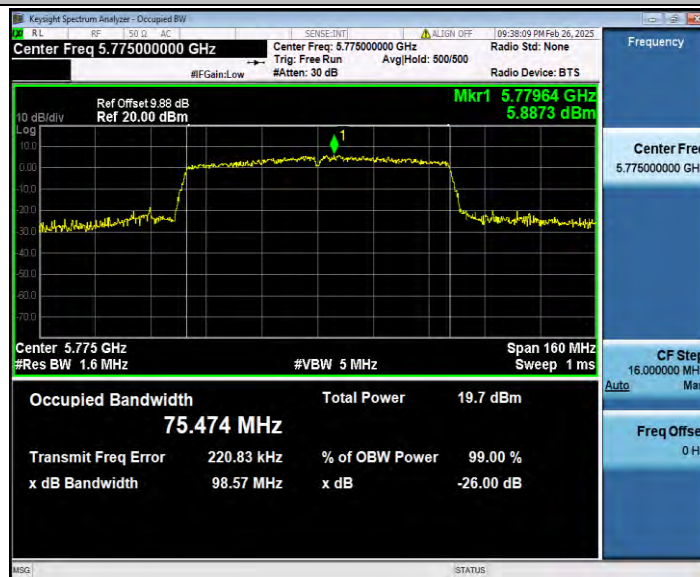
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



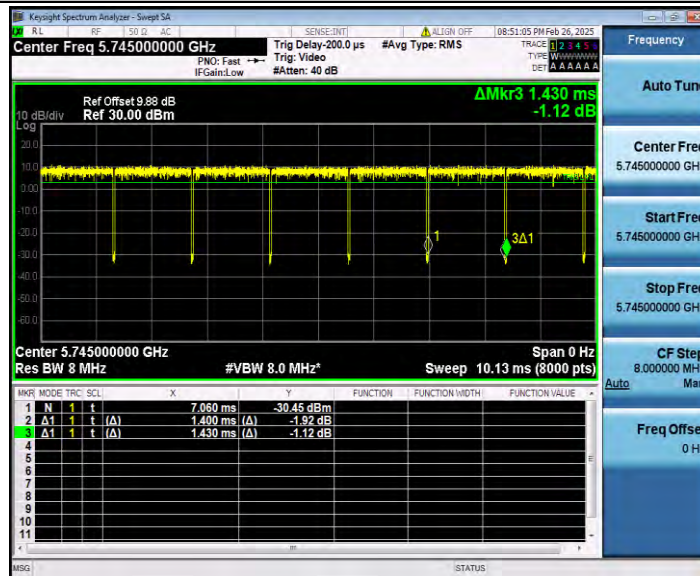
Appendix E.3: Duty Cycle

Test Result

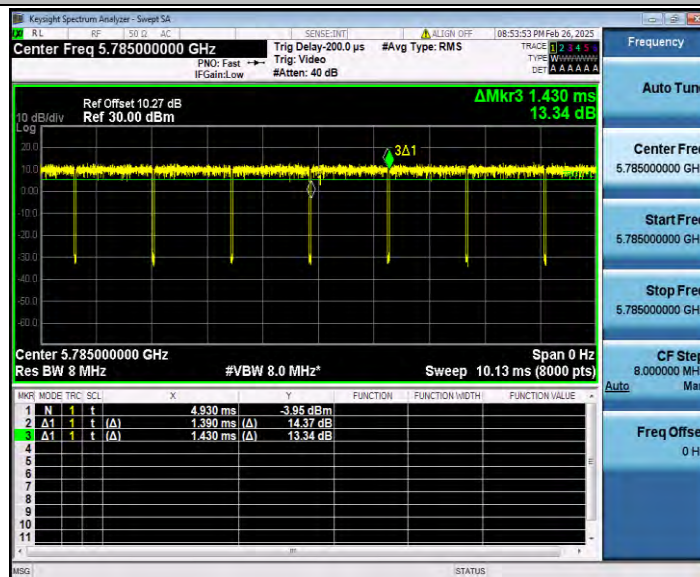
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	1.40	1.43	97.90	0.09	0.71
		5785	1.39	1.43	97.20	0.12	0.72
		5825	1.39	1.43	97.20	0.12	0.72
11N20SISO	Ant1	5745	1.30	1.33	97.74	0.10	0.77
		5785	1.30	1.33	97.74	0.10	0.77
		5825	1.30	1.34	97.01	0.13	0.77
11N40SISO	Ant1	5755	0.65	0.69	94.20	0.26	1.54
		5795	0.65	0.68	95.59	0.20	1.54
11AC20SISO	Ant1	5745	1.31	1.34	97.76	0.10	0.76
		5785	1.31	1.35	97.04	0.13	0.76
		5825	1.31	1.35	97.04	0.13	0.76
11AC40SISO	Ant1	5755	0.65	0.69	94.20	0.26	1.54
		5795	0.66	0.69	95.65	0.19	1.52
11AC80SISO	Ant1	5775	0.33	0.36	91.67	0.38	3.03

Test Graphs

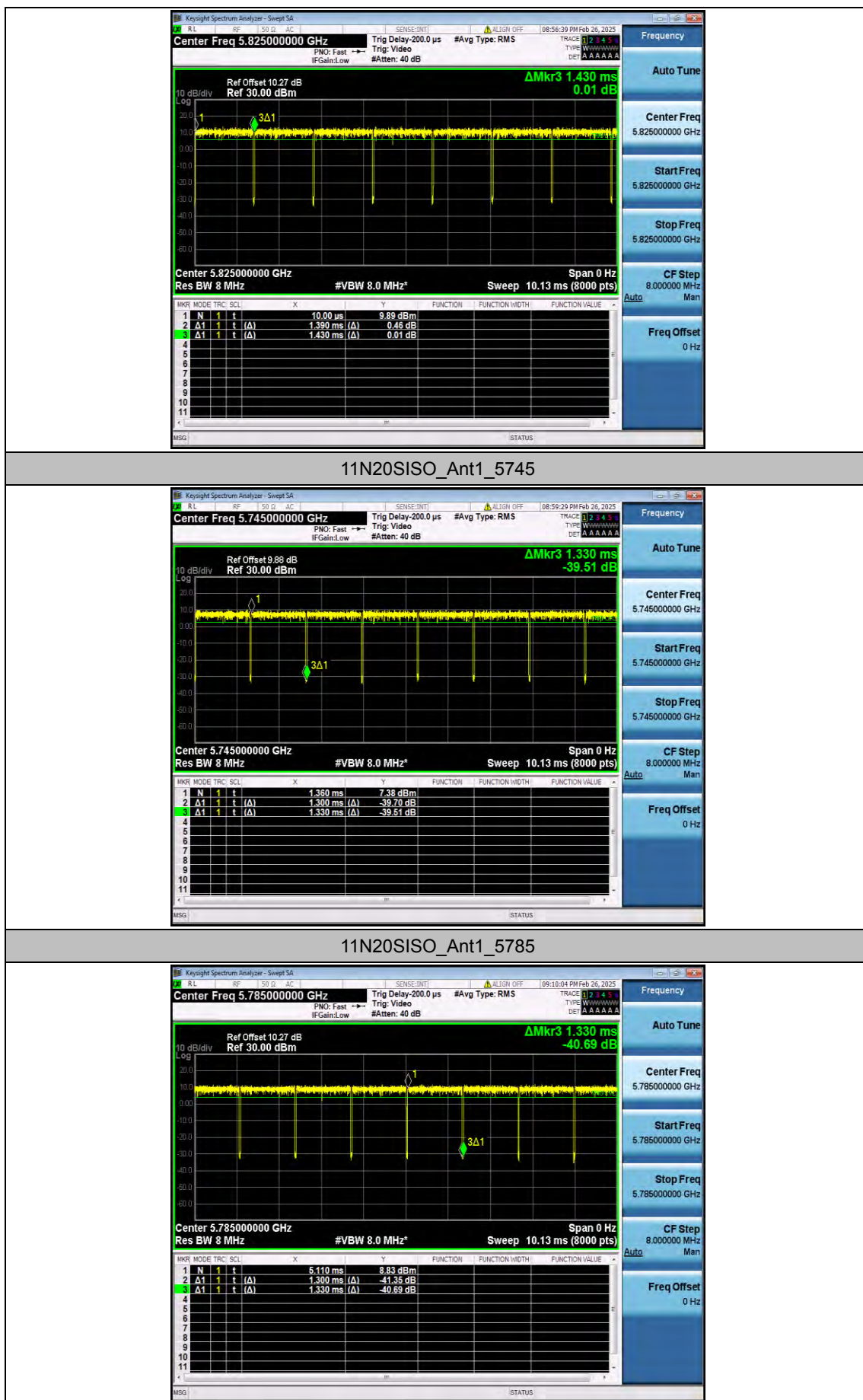
11A_Ant1_5745



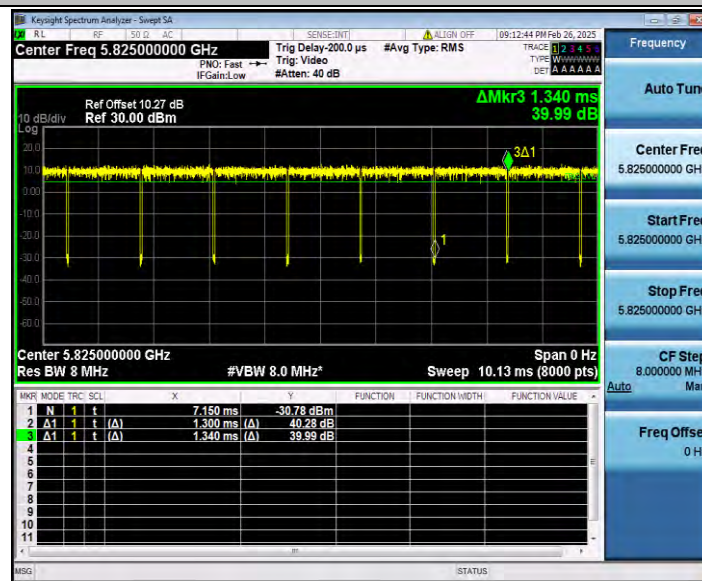
11A_Ant1_5785



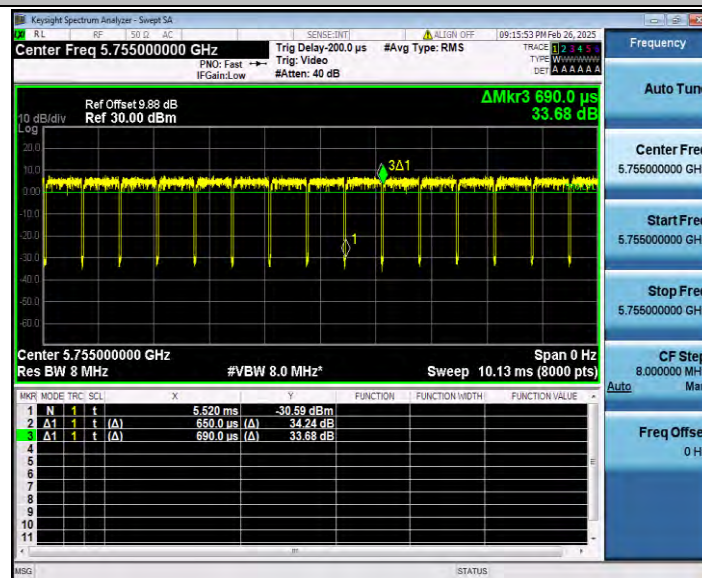
11A_Ant1_5825



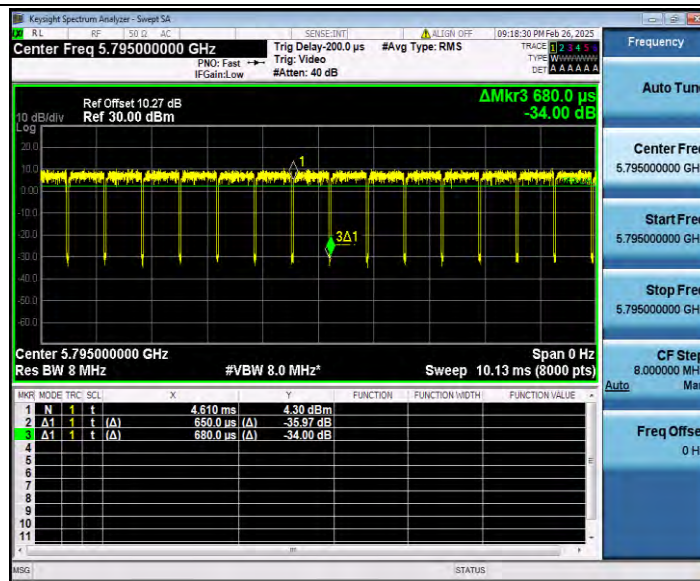
11N20SISO_Ant1_5825



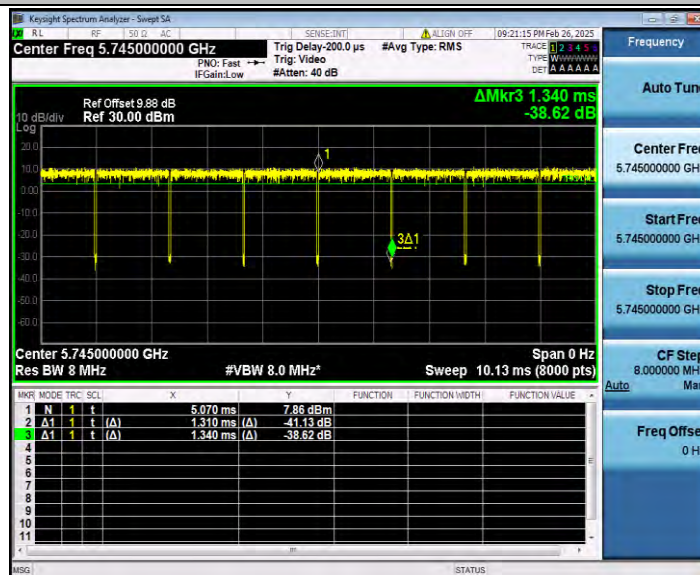
11N40SISO_Ant1_5755



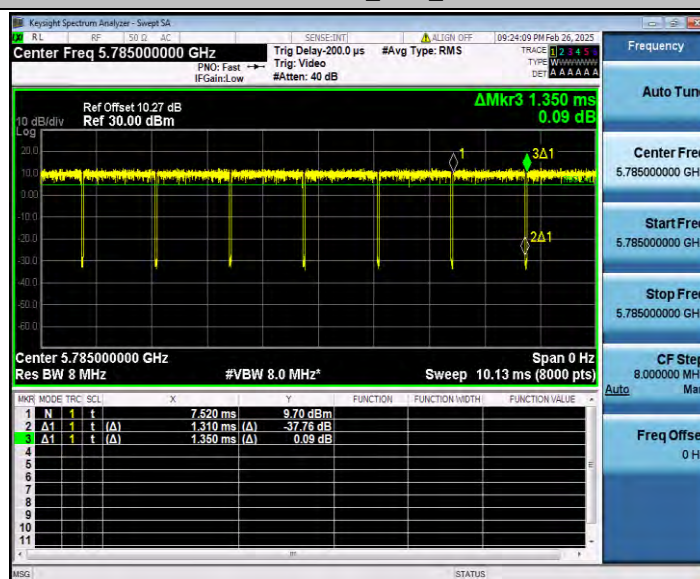
11N40SISO_Ant1_5795



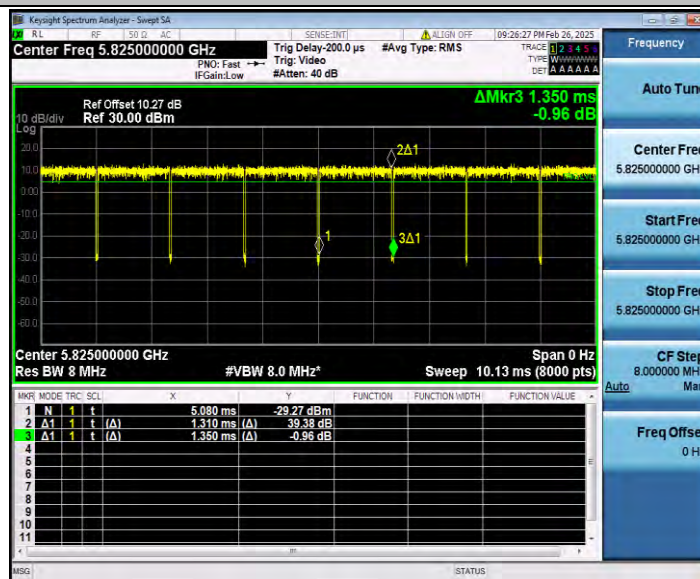
11AC20SISO_Ant1_5745



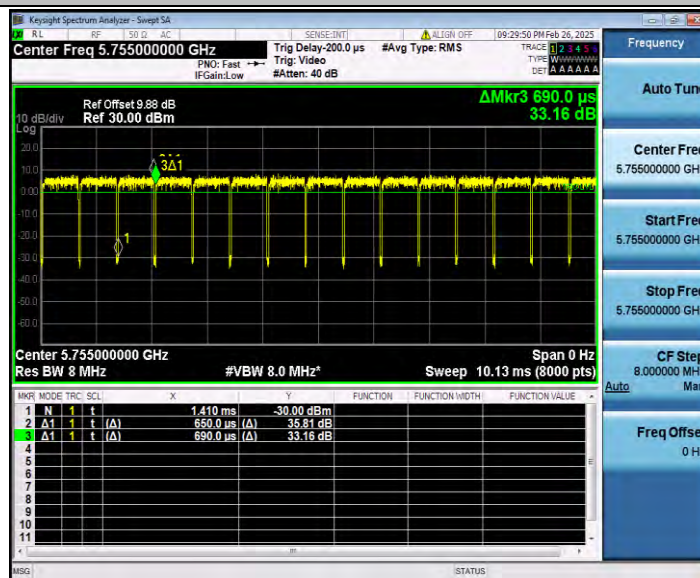
11AC20SISO_Ant1_5785



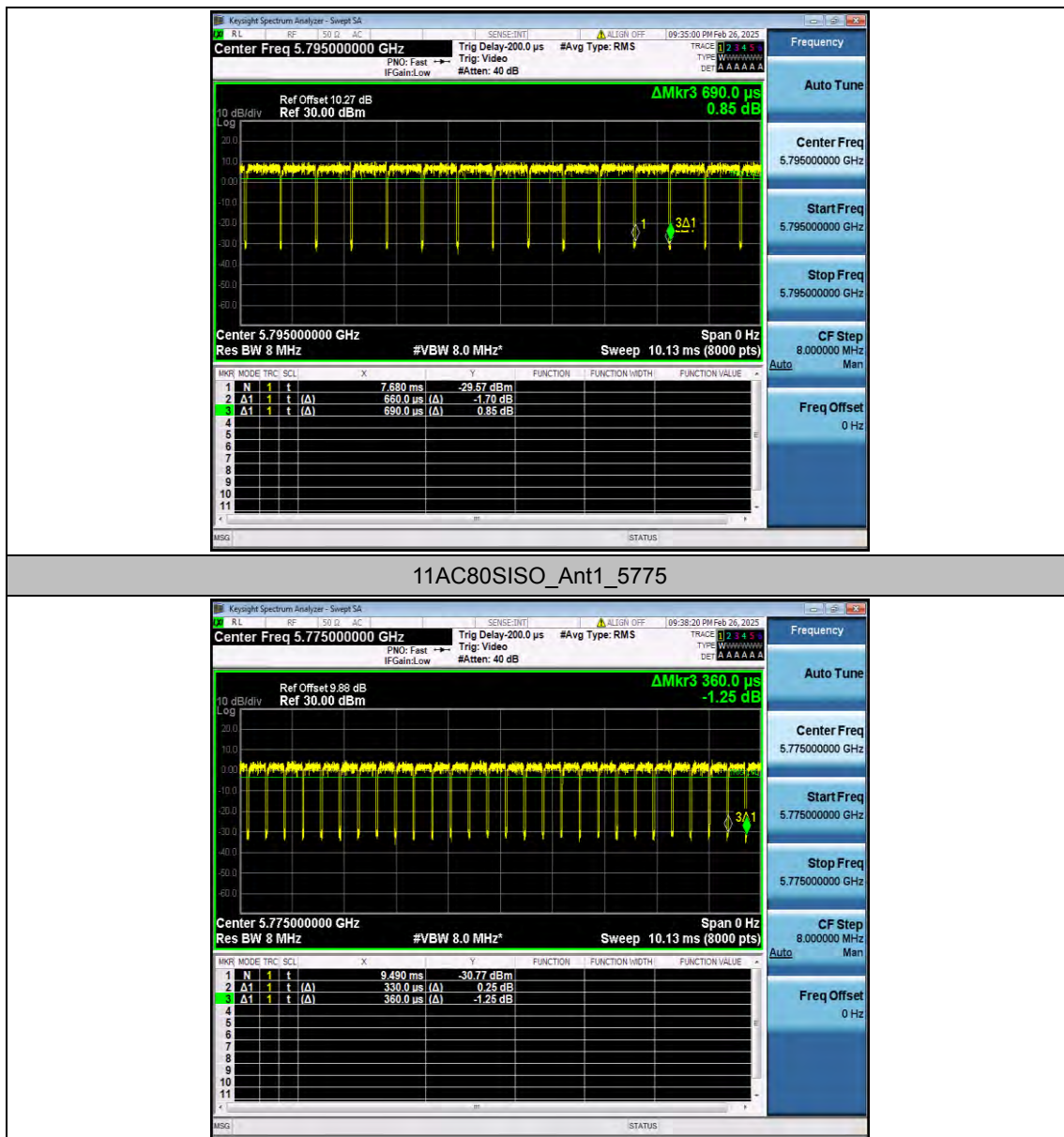
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



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	10.77	97.90	0.09	10.86	≤30.00	PASS
		5785	12.63	97.20	0.12	12.75	≤30.00	PASS
		5825	13.24	97.20	0.12	13.36	≤30.00	PASS
11N20SISO	Ant1	5745	10.18	97.74	0.10	10.28	≤30.00	PASS
		5785	11.61	97.74	0.10	11.71	≤30.00	PASS
		5825	12.44	97.01	0.13	12.57	≤30.00	PASS
11N40SISO	Ant1	5755	10.16	94.20	0.26	10.42	≤30.00	PASS
		5795	12.40	95.59	0.20	12.60	≤30.00	PASS
11AC20SISO	Ant1	5745	10.82	97.76	0.10	10.92	≤30.00	PASS
		5785	12.35	97.04	0.13	12.48	≤30.00	PASS
		5825	12.43	97.04	0.13	12.56	≤30.00	PASS
11AC40SISO	Ant1	5755	10.43	94.20	0.26	10.69	≤30.00	PASS
		5795	12.16	95.65	0.19	12.35	≤30.00	PASS
11AC80SISO	Ant1	5775	10.40	91.67	0.38	10.78	≤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	-2.54	≤30.00	PASS
		5785	-0.93	≤30.00	PASS
		5825	-0.74	≤30.00	PASS
11N20SISO	Ant1	5745	-3.38	≤30.00	PASS
		5785	-1.81	≤30.00	PASS
		5825	-0.17	≤30.00	PASS
11N40SISO	Ant1	5755	-6.04	≤30.00	PASS
		5795	-3.55	≤30.00	PASS
11AC20SISO	Ant1	5745	-2.55	≤30.00	PASS
		5785	-1.23	≤30.00	PASS
		5825	-0.75	≤30.00	PASS
11AC40SISO	Ant1	5755	-5.69	≤30.00	PASS
		5795	-3.78	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.74	≤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



11AC80SISO_Ant1_5775



Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.19	≤-26.70	PASS
				5700~5720	-32.12	≤15.37	PASS
				5720~5725	-33.88	≤15.82	PASS
				5760~5650	-39.46	≤-27	PASS
		High	5825	5850~5855	-28.19	≤17.88	PASS
				5855~5875	-29.99	≤15.12	PASS
				5875~5925	-38.94	≤-26.91	PASS
				5925~5935	-37.92	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-40.65	≤-26.87	PASS
				5700~5720	-29.71	≤15.14	PASS
				5720~5725	-29.28	≤15.82	PASS
				5760~5650	-39.79	≤-27	PASS
		High	5825	5850~5855	-30.46	≤17.26	PASS
				5855~5875	-28.77	≤14.94	PASS
				5875~5925	-38.64	≤-26.71	PASS
				5925~5935	-38.71	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-40.62	≤-26.90	PASS
				5700~5720	-22.31	≤15.54	PASS
				5720~5725	-22.16	≤16.04	PASS
				5780~5650	-40.02	≤-27	PASS
		High	5795	5850~5855	-31.11	≤16.03	PASS
				5855~5875	-31.15	≤12.10	PASS
				5875~5925	-38.94	≤-26.83	PASS
				5925~5935	-39.01	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-39.86	≤-26.87	PASS
				5700~5720	-31.74	≤14.66	PASS
				5720~5725	-29.07	≤15.82	PASS
				5760~5650	-39.59	≤-27	PASS
		High	5825	5850~5855	-35.29	≤15.73	PASS
				5855~5875	-37.53	≤10.25	PASS
				5875~5925	-37.93	≤-26.61	PASS
				5925~5935	-37.8	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-40.34	≤-26.40	PASS
				5700~5720	-23.39	≤15.47	PASS
				5720~5725	-22.33	≤15.74	PASS
				5780~5650	-39.2	≤-27	PASS

		High	5795	5850~5855	-31.68	≤ 17.16	PASS
				5855~5875	-30.12	≤ 14.41	PASS
				5875~5925	-37.88	≤ -25.36	PASS
				5925~5935	-38.47	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-36.62	≤ -26.91	PASS
				5700~5720	-29.36	≤ 10.27	PASS
				5720~5725	-27.23	≤ 16.00	PASS
				5800~5650	-37.11	≤ -27	PASS
		High	5775	5850~5855	-29.03	≤ 16.26	PASS
				5855~5875	-27.59	≤ 11.64	PASS
				5875~5925	-36.28	≤ -24.13	PASS
				5925~5935	-37.49	≤ -27	PASS

Test Graphs B4

11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



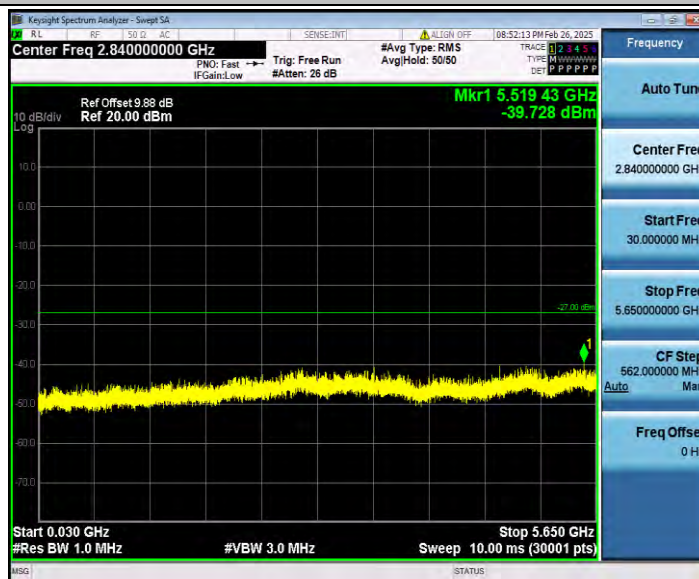
Appendix E.7: Conducted Spurious Emission

Test Result

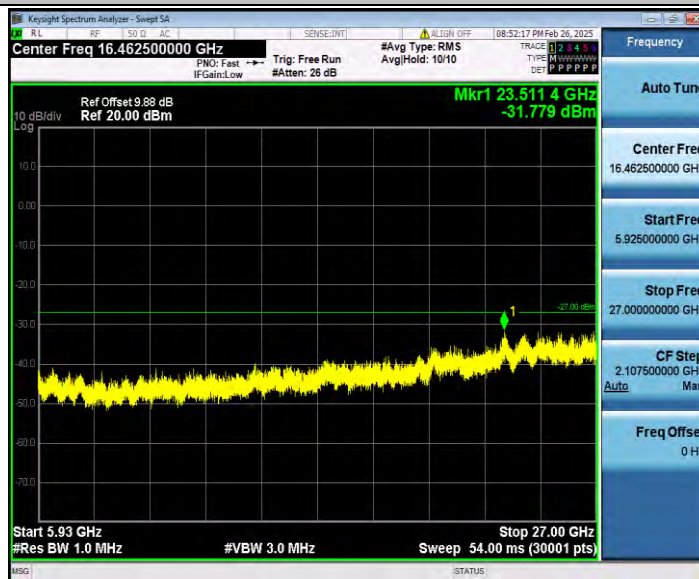
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5519.43	-39.73	≤-27	PASS
			5925~27000	23511.39	-31.78	≤-27	PASS
		5785	30~5650	5447.49	-39.85	≤-27	PASS
			5925~27000	25156.64	-31.34	≤-27	PASS
		5825	30~5650	5447.87	-39.75	≤-27	PASS
			5925~27000	26841.94	-32	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	2667.09	-39.9	≤-27	PASS
			5925~27000	23522.63	-32.44	≤-27	PASS
		5785	30~5650	5503.88	-39.68	≤-27	PASS
			5925~27000	24251.82	-31.58	≤-27	PASS
		5825	30~5650	3068.73	-40.43	≤-27	PASS
			5925~27000	26714.08	-31.1	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	3025.09	-40.47	≤-27	PASS
			5925~27000	26570.77	-32.3	≤-27	PASS
		5795	30~5650	5429.13	-39.7	≤-27	PASS
			5925~27000	25994.02	-31.95	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5406.28	-40.15	≤-27	PASS
			5925~27000	25309.08	-31.93	≤-27	PASS
		5785	30~5650	4888.68	-39.85	≤-27	PASS
			5925~27000	26042.49	-31.38	≤-27	PASS
		5825	30~5650	5444.12	-39.85	≤-27	PASS
			5925~27000	26728.13	-31.12	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5633.33	-40.46	≤-27	PASS
			5925~27000	26598.87	-32.05	≤-27	PASS
		5795	30~5650	4937.57	-39.83	≤-27	PASS
			5925~27000	25251.48	-32.32	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5644.94	-39.13	≤-27	PASS
			5925~27000	26886.2	-32.4	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



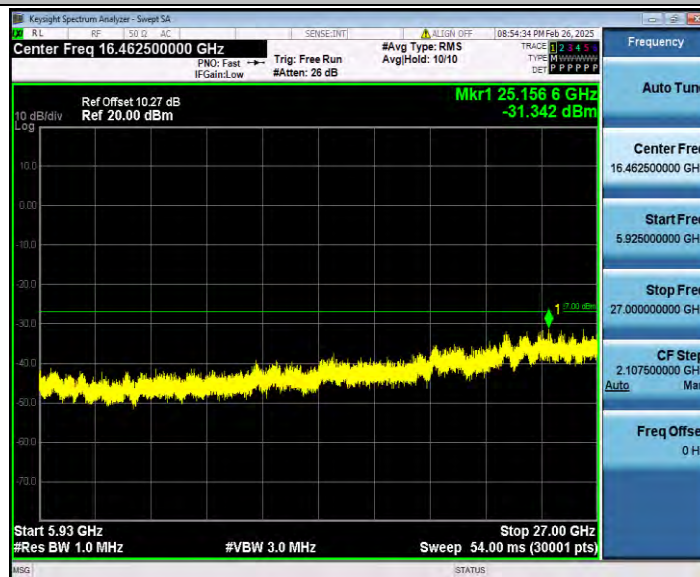
11A_Ant1_5745_5925~27000



11A_Ant1_5785_30~5650



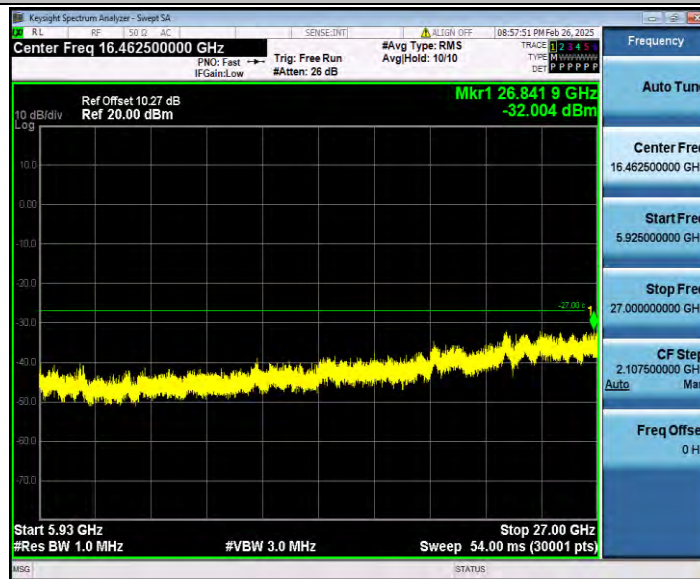
11A_Ant1_5785_5925~27000



11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~27000



11N20SISO_Ant1_5745_30~5650



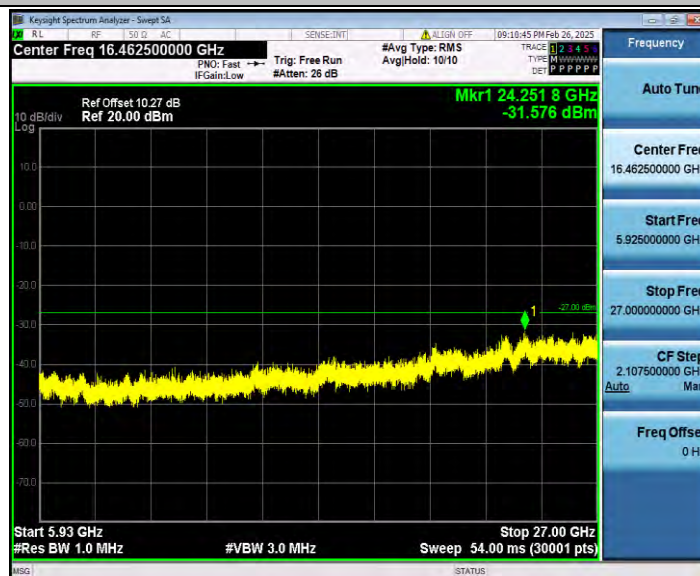
11N20SISO_Ant1_5745_5925~27000



11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~27000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~27000



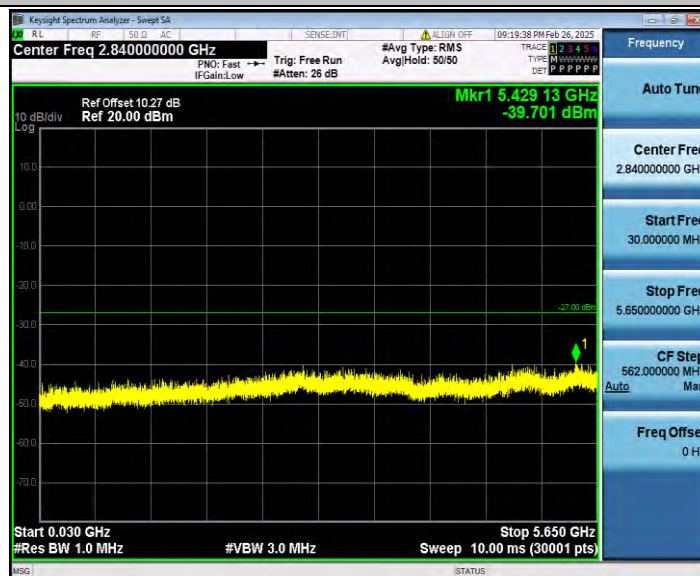
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11AC20SISO_Ant1_5745_30~5650



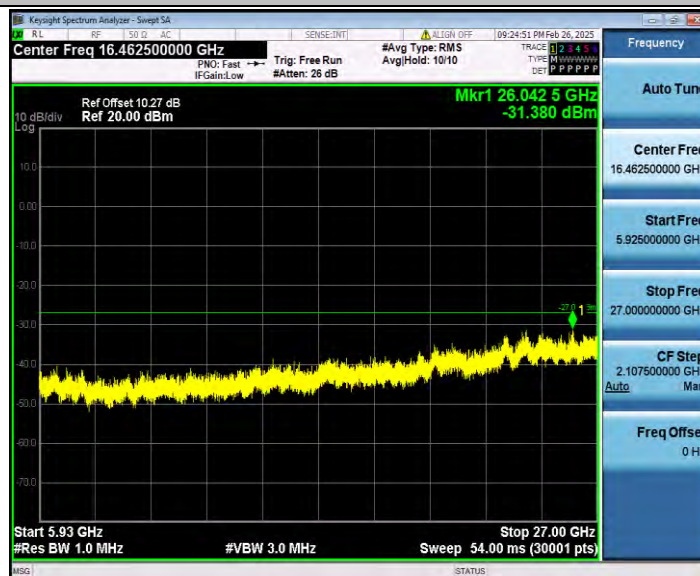
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11AC40SISO_Ant1_5755_30~5650



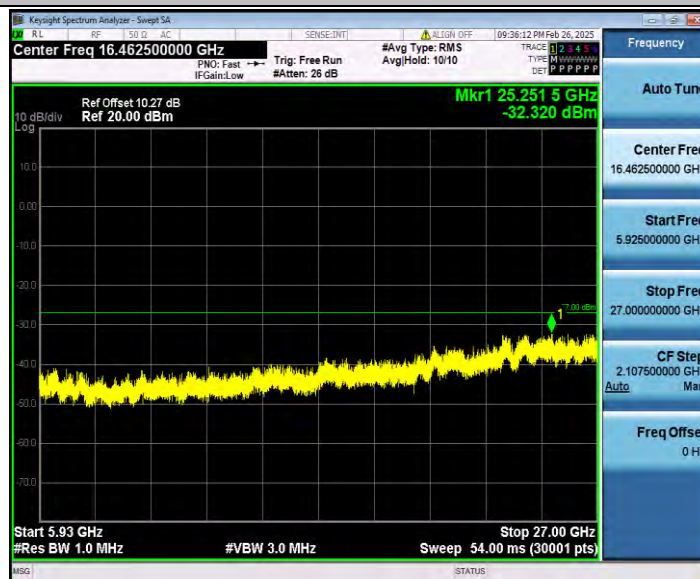
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11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~27000

