

Case No. : <u>GTS20250708005-2-04</u>	
Ambient Condition: <u>21</u> °C, <u>54</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.7.15-2025.8.04</u>	Test Engineer: <u>Evan ouyang</u>

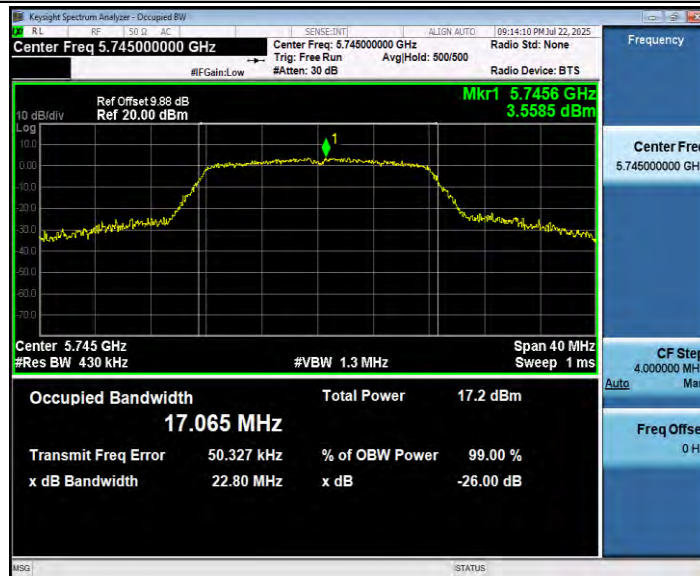
Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.065	5736.5178	5753.5828	---	---
		5785	17.346	5776.3880	5793.7340	---	---
		5825	16.997	5816.5120	5833.5090	---	---
11N20SISO	Ant1	5745	17.924	5736.0970	5754.0210	---	---
		5785	17.860	5776.1023	5793.9623	---	---
		5825	17.855	5816.0914	5833.9464	---	---
11N40SISO	Ant1	5755	36.416	5736.8901	5773.3061	---	---
		5795	36.519	5776.8154	5813.3344	---	---
11AC20SISO	Ant1	5745	17.808	5736.1268	5753.9348	---	---
		5785	17.828	5776.1309	5793.9589	---	---
		5825	17.746	5816.1667	5833.9127	---	---
11AC40SISO	Ant1	5755	36.461	5736.8691	5773.3301	---	---
		5795	36.303	5776.9589	5813.2619	---	---
11AC80SISO	Ant1	5775	75.525	5737.4051	5812.9301	---	---

Test Graphs

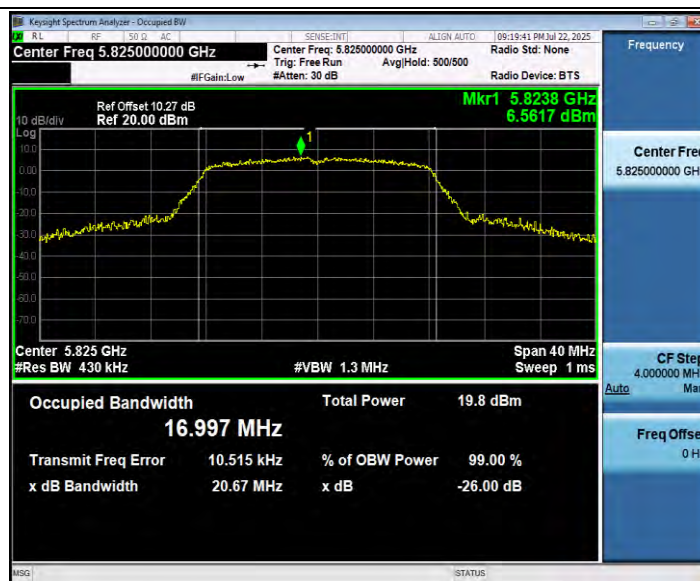
11A_Ant1_5745



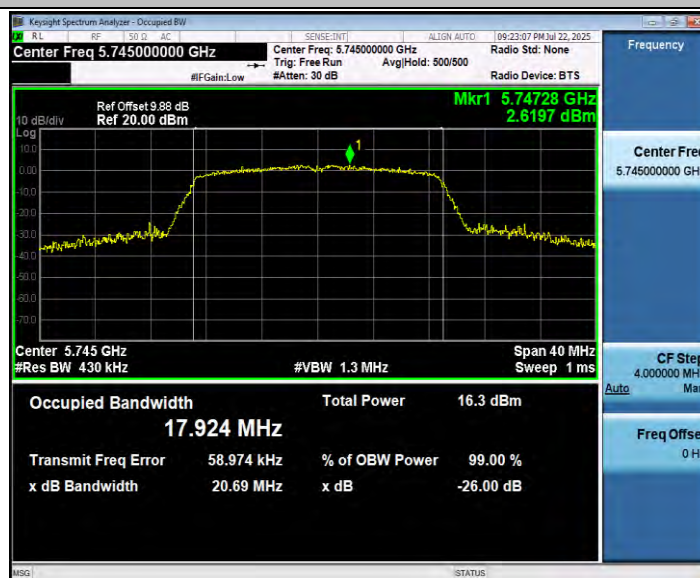
11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5745



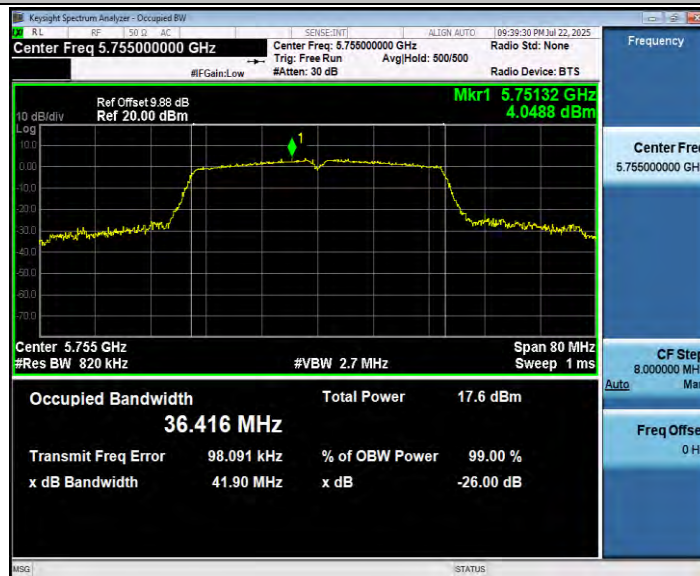
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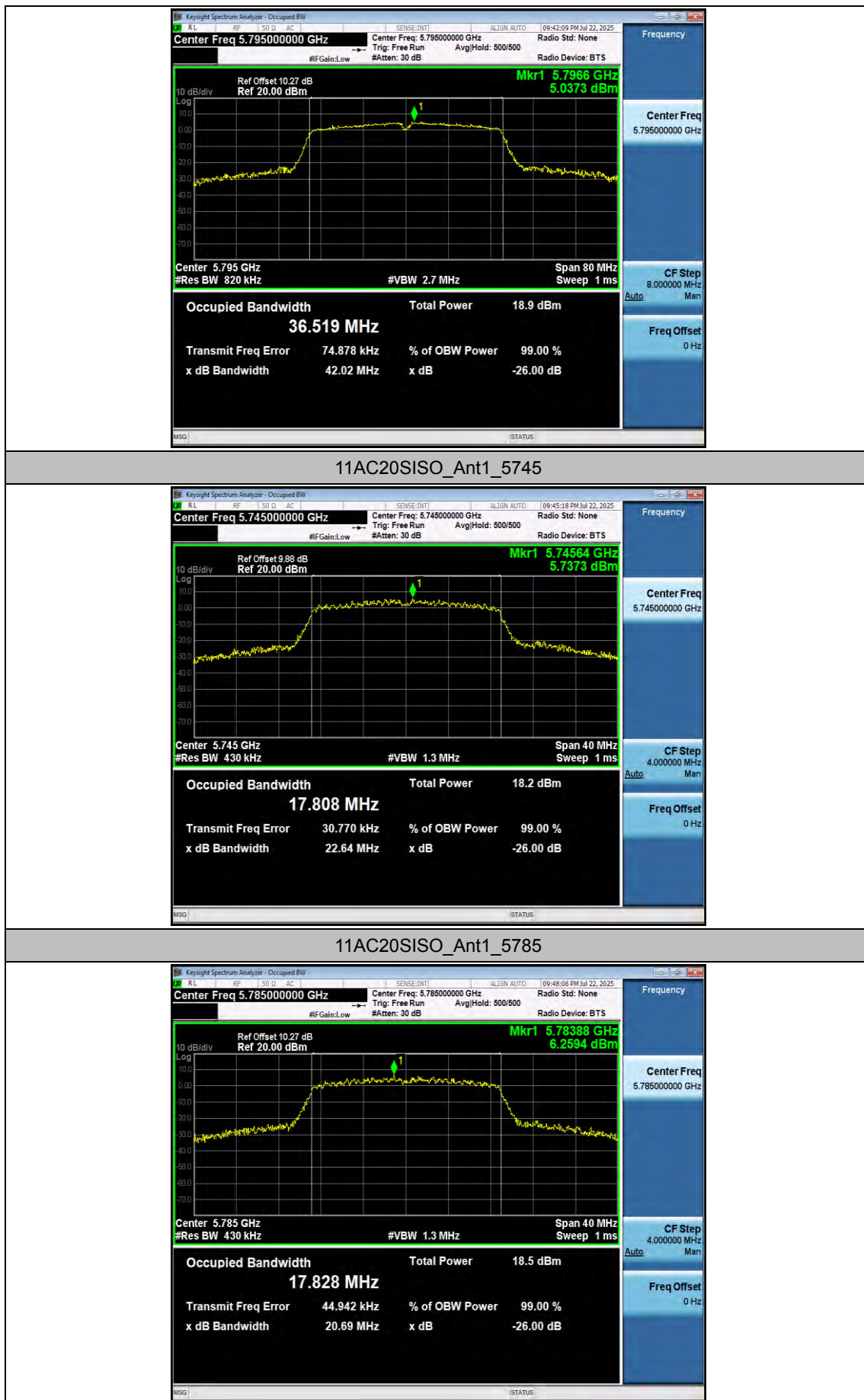
11N20SISO_Ant1_5825



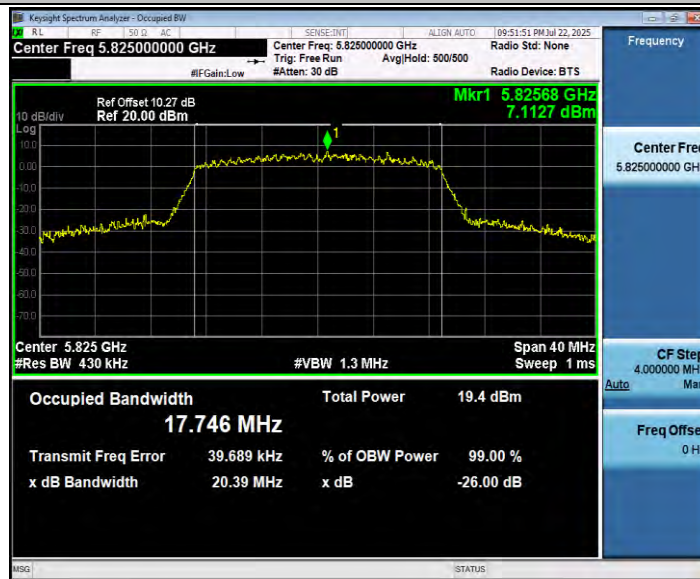
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5825



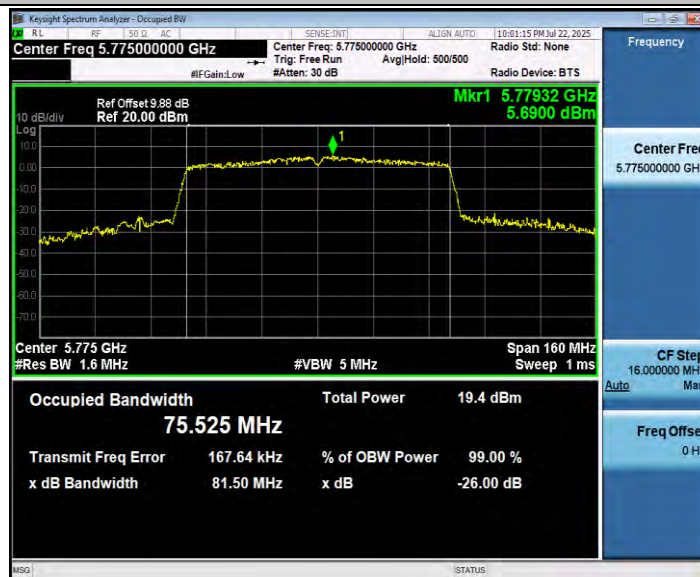
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix E.2: Min emission bandwidth

Test Result B4

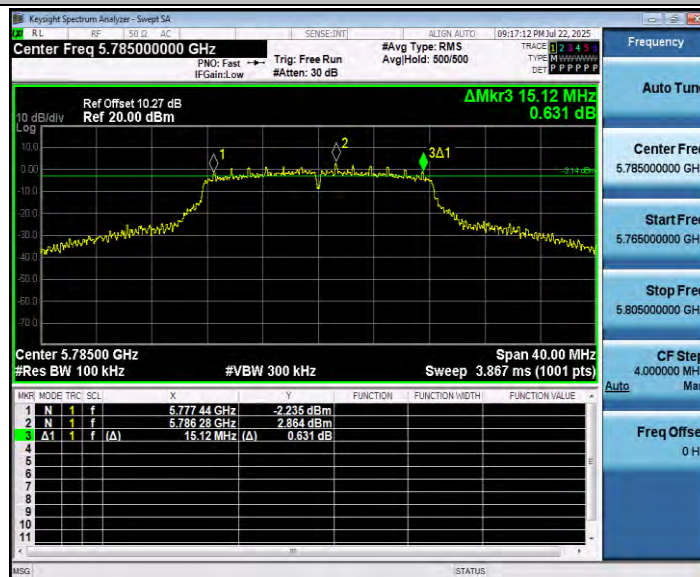
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.080	5737.480	5752.560	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N20SISO	Ant1	5745	15.120	5737.440	5752.560	0.5	PASS
		5785	13.880	5778.680	5792.560	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	15.680	5736.880	5752.560	0.5	PASS
		5785	15.680	5777.440	5793.120	0.5	PASS
		5825	15.640	5817.480	5833.120	0.5	PASS
11AC40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

11A_Ant1_5745



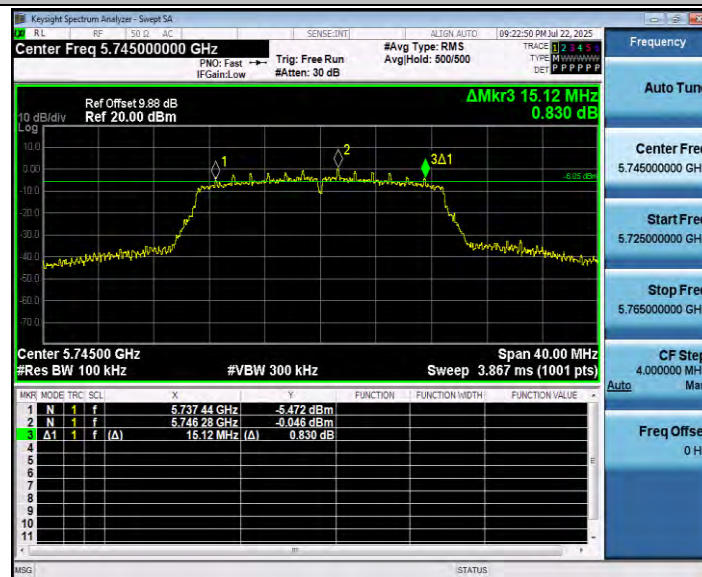
11A_Ant1_5785



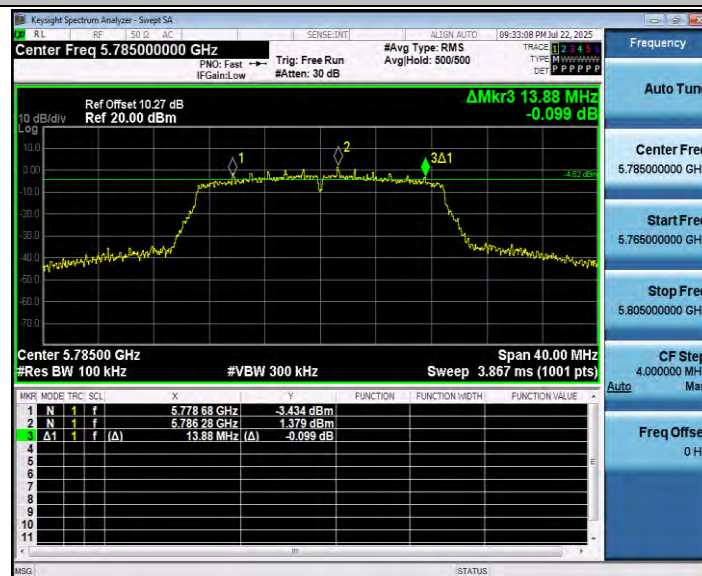
11A_Ant1_5825



11N20SISO_Ant1_5745



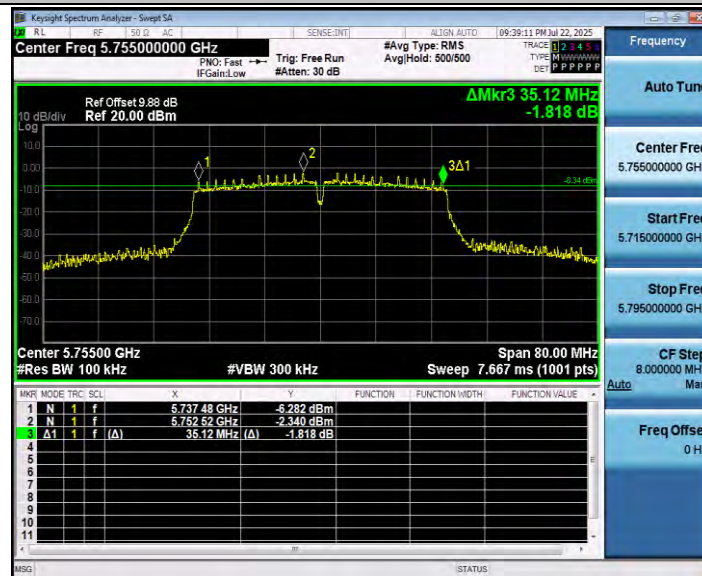
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



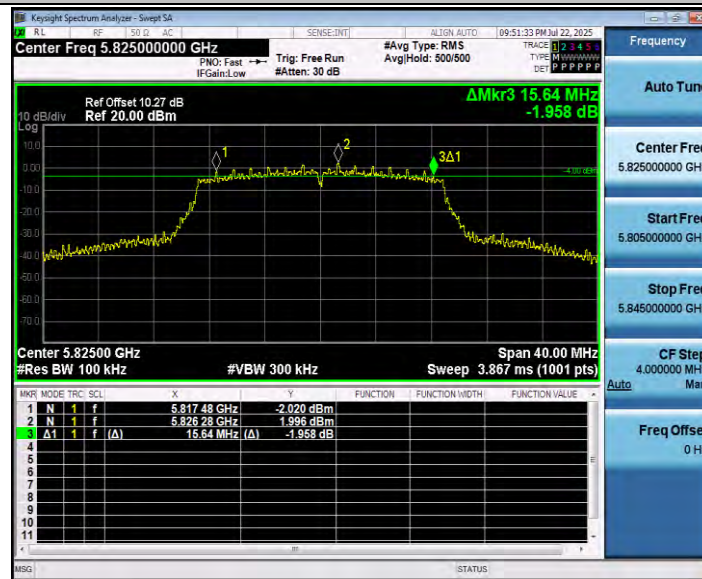
11AC20SISO_Ant1_5745



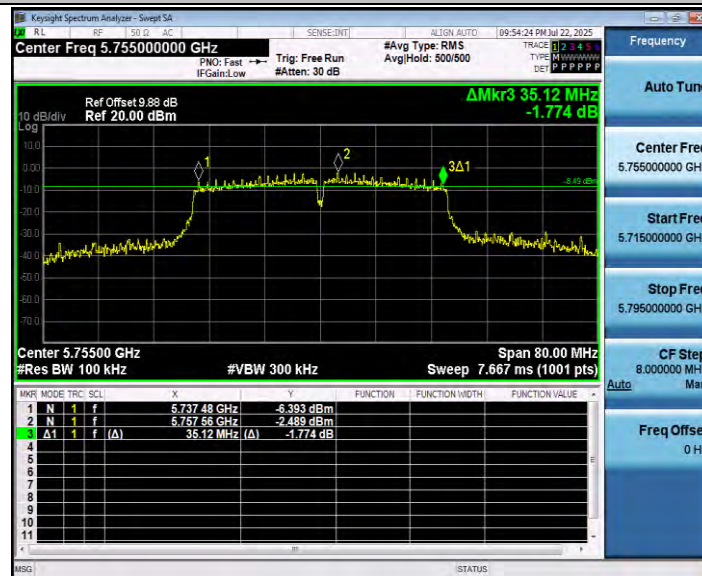
11AC20SISO_Ant1_5785



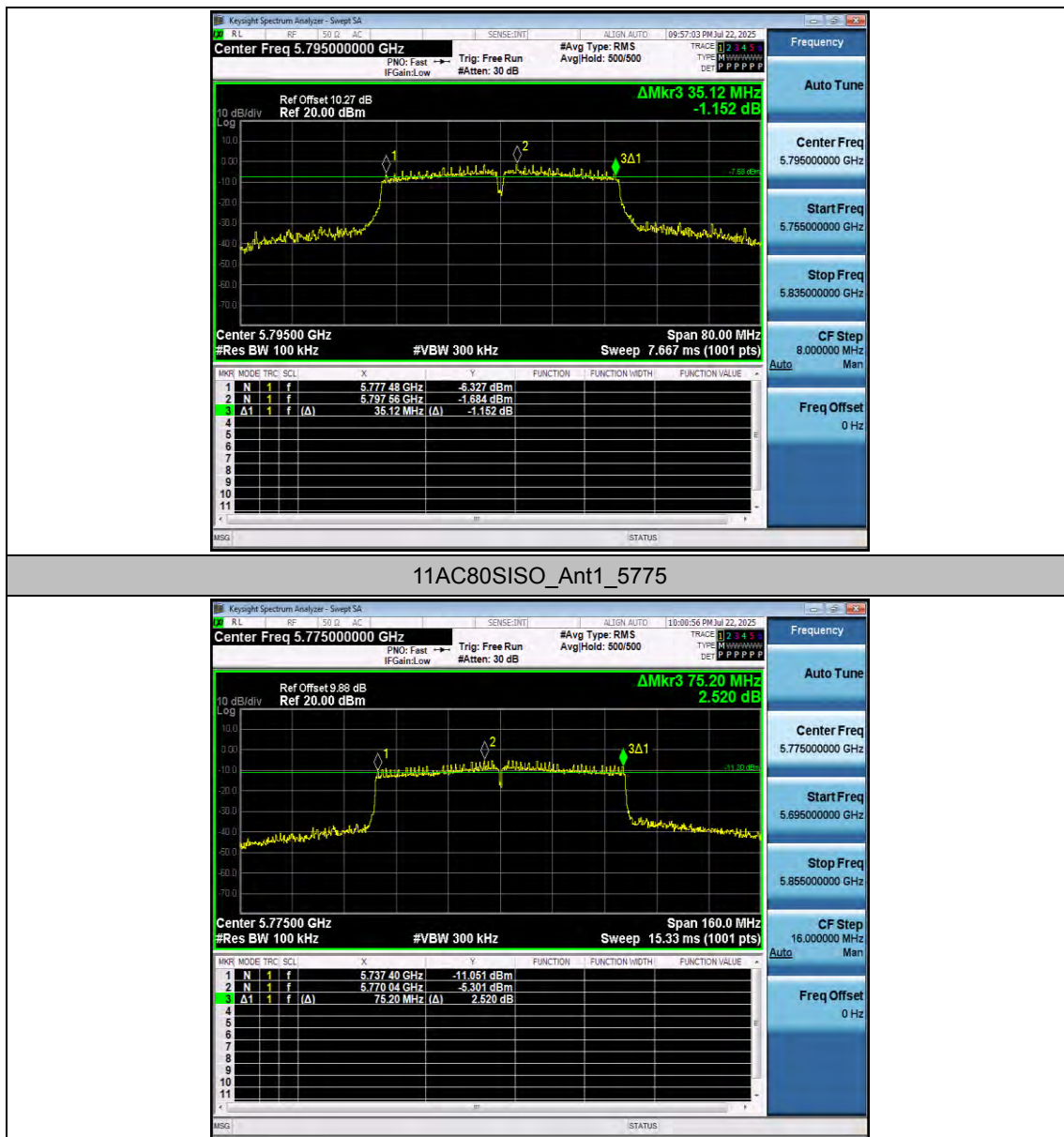
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

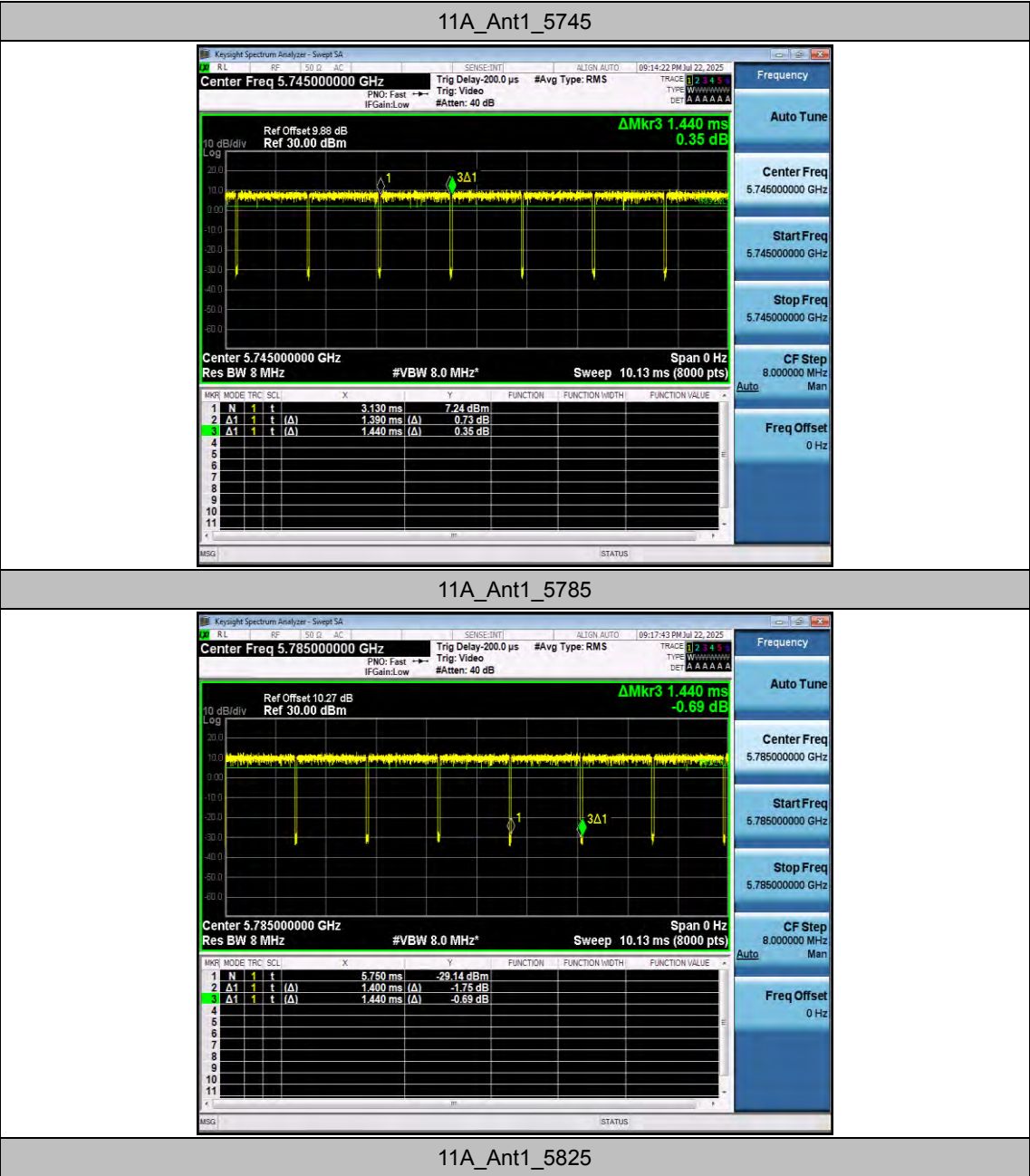


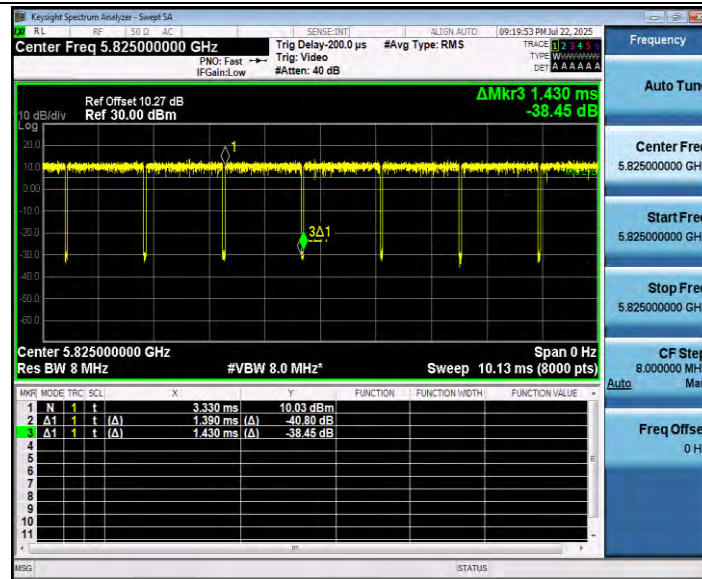
Appendix E.3: Duty Cycle

Test Result

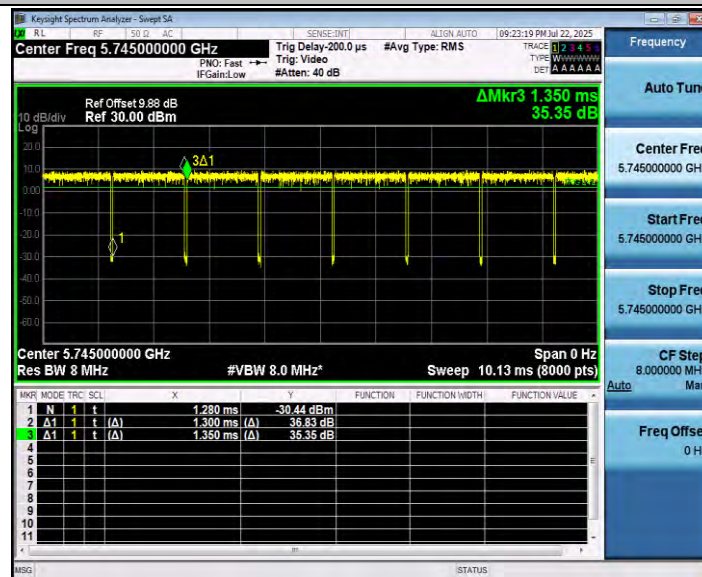
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	1.39	1.44	96.53	0.15	0.72
		5785	1.40	1.44	97.22	0.12	0.71
		5825	1.39	1.43	97.20	0.12	0.72
11N20SISO	Ant1	5745	1.30	1.35	96.30	0.16	0.77
		5785	1.30	1.35	96.30	0.16	0.77
		5825	1.30	1.35	96.30	0.16	0.77
11N40SISO	Ant1	5755	0.64	0.69	92.75	0.33	1.56
		5795	0.64	0.69	92.75	0.33	1.56
11AC20SISO	Ant1	5745	0.68	0.73	93.15	0.31	1.47
		5785	0.68	0.72	94.44	0.25	1.47
		5825	0.68	0.72	94.44	0.25	1.47
11AC40SISO	Ant1	5755	0.35	0.40	87.50	0.58	2.86
		5795	0.35	0.40	87.50	0.58	2.86
11AC80SISO	Ant1	5775	0.19	0.23	82.61	0.83	5.26

Test Graphs

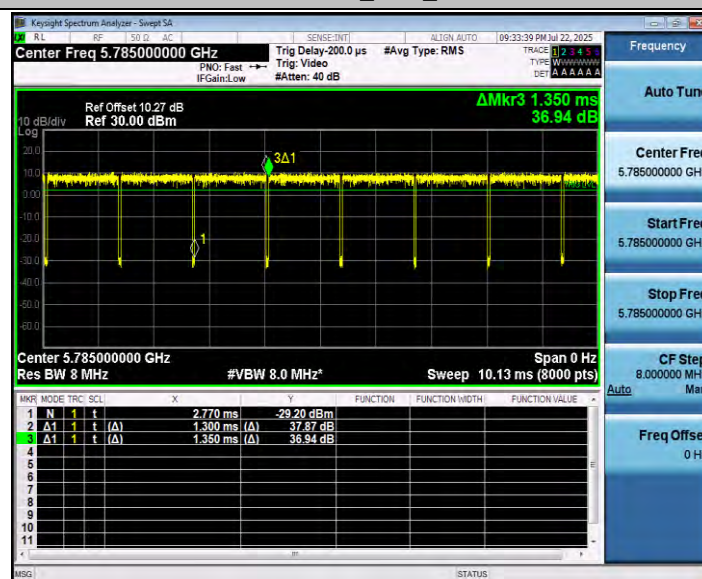


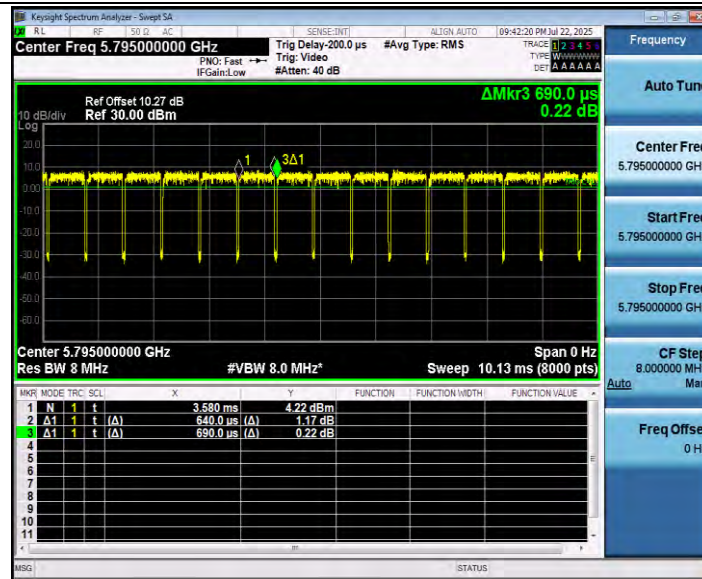


11N20SISO_Ant1_5745

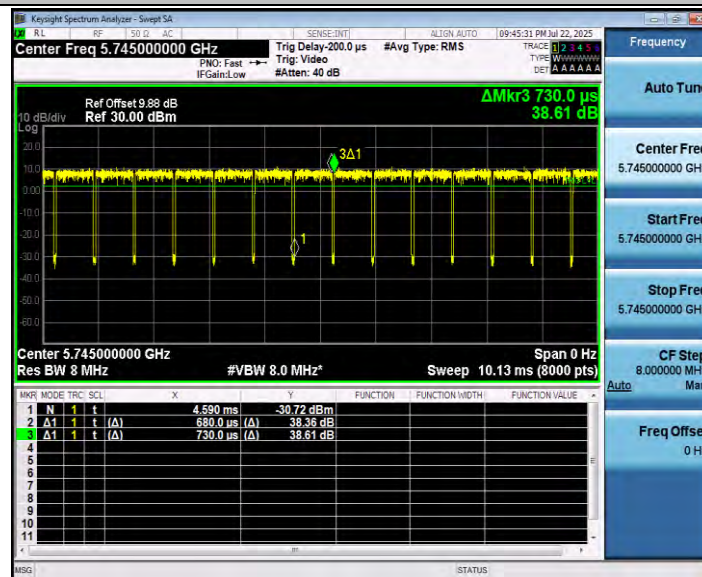


11N20SISO_Ant1_5785

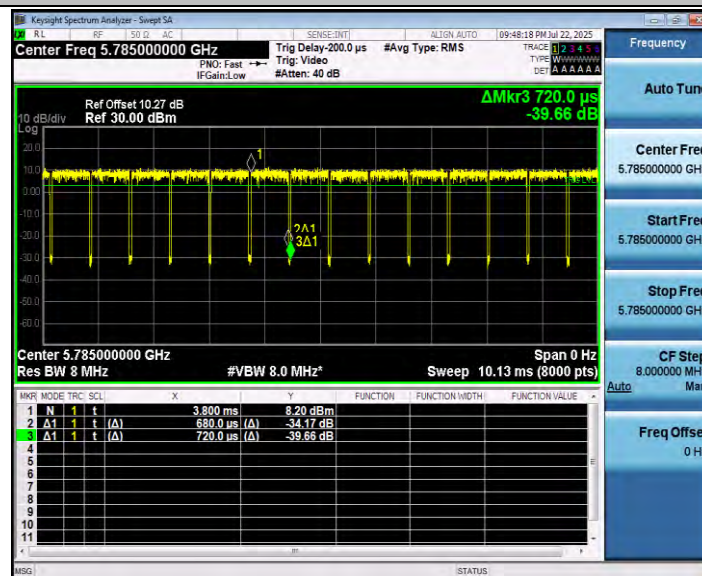




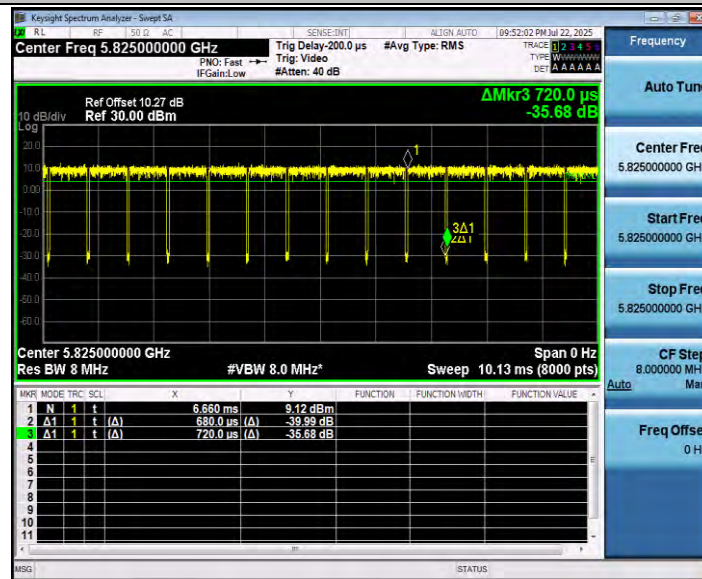
11AC20SISO_Ant1_5745



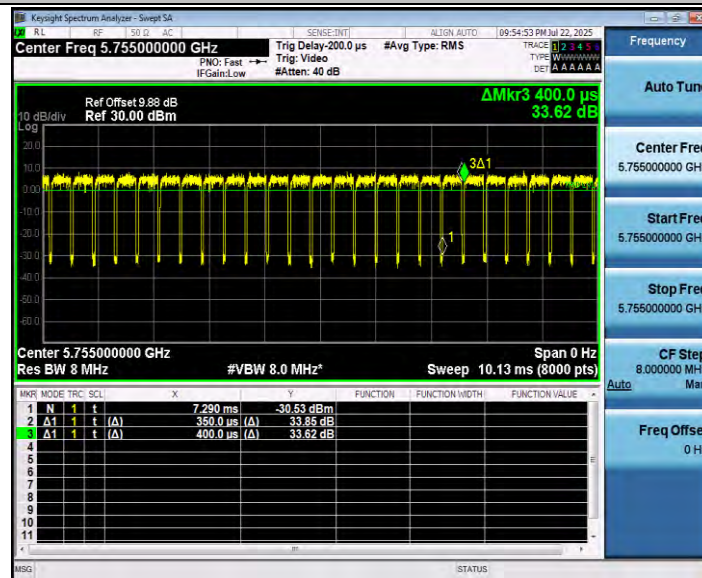
11AC20SISO_Ant1_5785



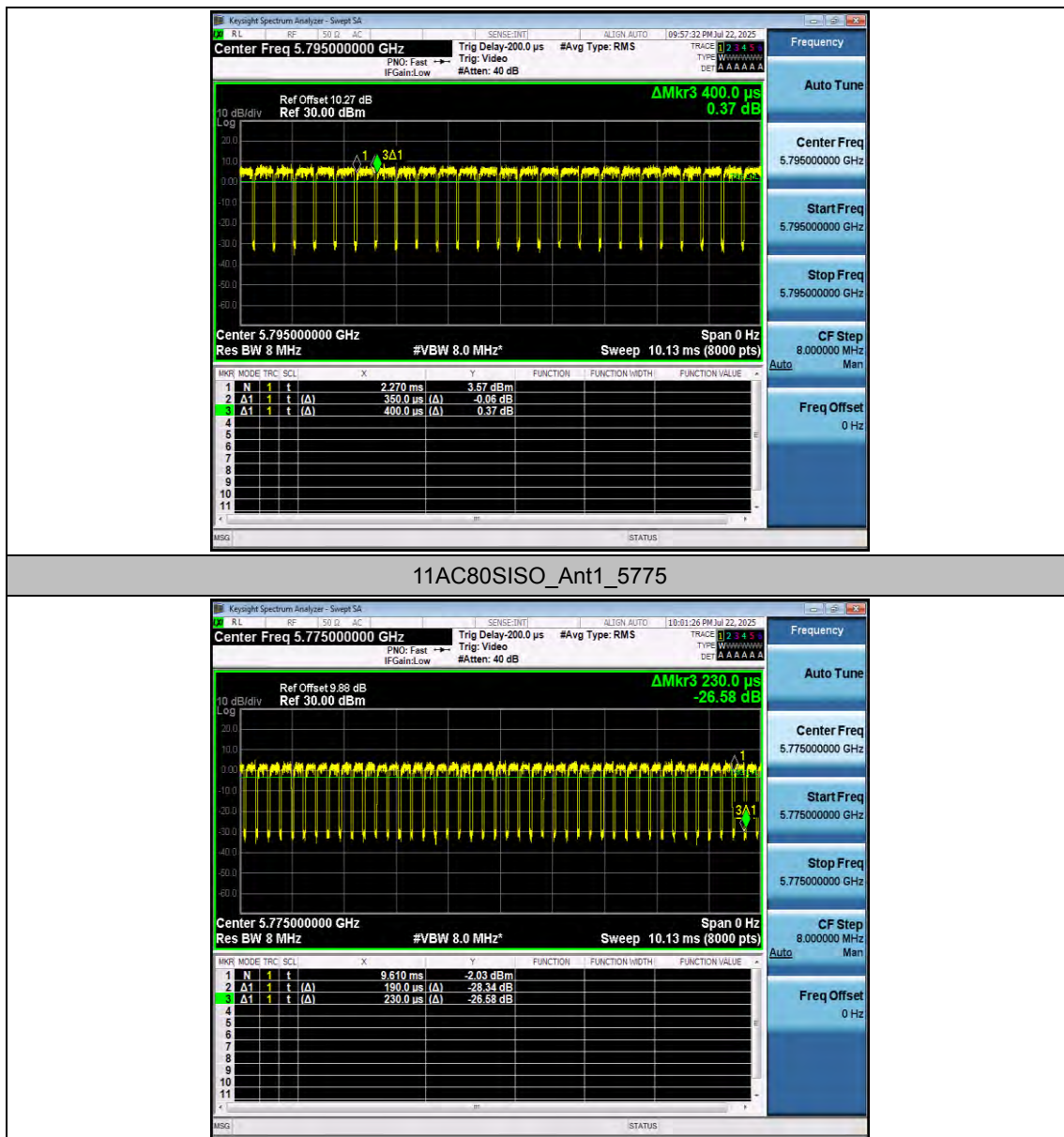
11AC20SISO_Ant1_5825



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	10.15	96.53	0.15	10.30	≤30.00	PASS
		5785	12.30	97.22	0.12	12.42	≤30.00	PASS
		5825	12.93	97.20	0.12	13.05	≤30.00	PASS
11N20SISO	Ant1	5745	9.45	96.30	0.16	9.61	≤30.00	PASS
		5785	10.95	96.30	0.16	11.11	≤30.00	PASS
		5825	12.06	96.30	0.16	12.22	≤30.00	PASS
11N40SISO	Ant1	5755	9.63	92.75	0.33	9.96	≤30.00	PASS
		5795	11.33	92.75	0.33	11.66	≤30.00	PASS
11AC20SISO	Ant1	5745	10.40	93.15	0.31	10.71	≤30.00	PASS
		5785	10.64	94.44	0.25	10.89	≤30.00	PASS
		5825	11.55	94.44	0.25	11.80	≤30.00	PASS
11AC40SISO	Ant1	5755	9.90	87.50	0.58	10.48	≤30.00	PASS
		5795	10.67	87.50	0.58	11.25	≤30.00	PASS
11AC80SISO	Ant1	5775	9.55	82.61	0.83	10.38	≤30.00	PASS

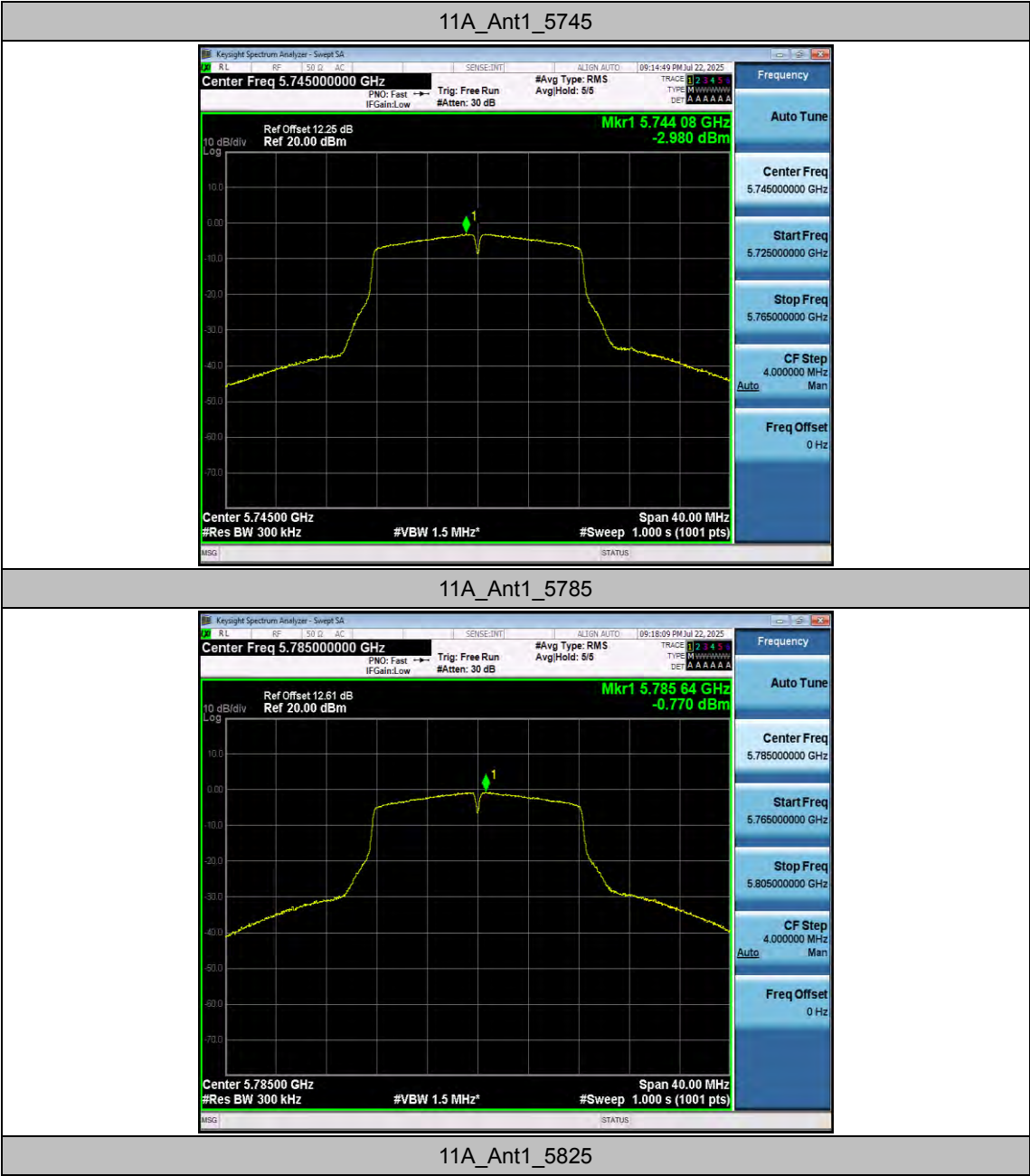
Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-2.98	≤30.00	PASS
		5785	-0.77	≤30.00	PASS
		5825	-0.24	≤30.00	PASS
11N20SISO	Ant1	5745	-3.83	≤30.00	PASS
		5785	-2.79	≤30.00	PASS
		5825	-1.43	≤30.00	PASS
11N40SISO	Ant1	5755	-6.16	≤30.00	PASS
		5795	-4.73	≤30.00	PASS
11AC20SISO	Ant1	5745	-2.82	≤30.00	PASS
		5785	-2.48	≤30.00	PASS
		5825	-1.65	≤30.00	PASS
11AC40SISO	Ant1	5755	-5.59	≤30.00	PASS
		5795	-4.81	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.42	≤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





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 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	-39.49	≤-26.70	PASS
				5700~5720	-39.68	≤10.44	PASS
				5720~5725	-35.75	≤16.60	PASS
				5760~5650	-39.73	≤-27	PASS
		High	5825	5850~5855	-37.13	≤16.65	PASS
				5855~5875	-38.29	≤10.44	PASS
				5875~5925	-38.07	≤-25.81	PASS
				5925~5935	-37.69	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-39.46	≤-26.62	PASS
				5700~5720	-38.49	≤10.64	PASS
				5720~5725	-34.96	≤16.60	PASS
				5760~5650	-39.09	≤-27	PASS
		High	5825	5850~5855	-39.27	≤16.34	PASS
				5855~5875	-38.5	≤10.02	PASS
				5875~5925	-38.7	≤-26.71	PASS
				5925~5935	-38.28	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-38.83	≤-26.90	PASS
				5700~5720	-31.78	≤13.76	PASS
				5720~5725	-30.82	≤16.04	PASS
				5780~5650	-38.96	≤-27	PASS
		High	5795	5850~5855	-38.82	≤16.03	PASS
				5855~5875	-38.92	≤10.06	PASS
				5875~5925	-38.96	≤-26.95	PASS
				5925~5935	-38.02	≤-27	PASS
11AC20SIS O	Ant1	Low	5745	5650~5700	-40.78	≤-26.87	PASS
				5700~5720	-39.5	≤10.09	PASS
				5720~5725	-31.87	≤17.65	PASS
				5760~5650	-39.42	≤-27	PASS
		High	5825	5850~5855	-38.39	≤16.65	PASS
				5855~5875	-37.72	≤11.12	PASS
				5875~5925	-38.17	≤-26.91	PASS
				5925~5935	-38.7	≤-27	PASS
11AC40SIS O	Ant1	Low	5755	5650~5700	-40.24	≤-26.40	PASS
				5700~5720	-25.54	≤15.43	PASS
				5720~5725	-24.44	≤16.04	PASS
				5780~5650	-39.69	≤-27	PASS

		High	5795	5850~5855	-39.69	≤ 15.66	PASS
				5855~5875	-36.69	≤ 12.00	PASS
				5875~5925	-39.25	≤ -26.71	PASS
				5925~5935	-38.7	≤ -27	PASS
11AC80SIS O	Ant1	Low	5775	5650~5700	-39.94	≤ -26.46	PASS
				5700~5720	-31.67	≤ 11.09	PASS
				5720~5725	-28.08	≤ 16.00	PASS
				5800~5650	-39.18	≤ -27	PASS
		High	5775	5850~5855	-32.24	≤ 15.84	PASS
				5855~5875	-30.82	≤ 12.94	PASS
				5875~5925	-39.81	≤ -26.32	PASS
				5925~5935	-38.37	≤ -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



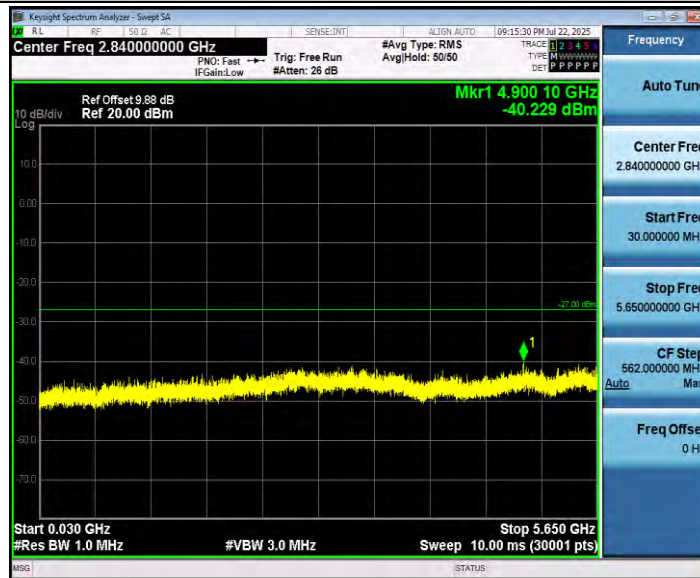
Appendix E.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	4900.1	-40.23	≤-27	PASS
			5925~27000	26836.32	-31.87	≤-27	PASS
		5785	30~5650	5471.85	-40.5	≤-27	PASS
			5925~27000	25230.4	-31.47	≤-27	PASS
		5825	30~5650	2984.06	-39.78	≤-27	PASS
			5925~27000	26759.04	-31.26	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	4952	-39.99	≤-27	PASS
			5925~27000	24868.62	-32.45	≤-27	PASS
		5785	30~5650	5512.31	-40.53	≤-27	PASS
			5925~27000	26033.36	-31.53	≤-27	PASS
		5825	30~5650	2642.18	-40.13	≤-27	PASS
			5925~27000	24756.92	-31.41	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	2658.66	-40.57	≤-27	PASS
			5925~27000	26480.85	-31.09	≤-27	PASS
		5795	30~5650	2646.3	-40.34	≤-27	PASS
			5925~27000	24183.68	-31.59	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	4913.97	-40.94	≤-27	PASS
			5925~27000	26002.45	-32.06	≤-27	PASS
		5785	30~5650	5501.26	-40.28	≤-27	PASS
			5925~27000	24785.02	-31.61	≤-27	PASS
		5825	30~5650	5490.95	-40.51	≤-27	PASS
			5925~27000	26870.04	-31.93	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5467.91	-40.41	≤-27	PASS
			5925~27000	24796.26	-31.78	≤-27	PASS
		5795	30~5650	5446.18	-40.68	≤-27	PASS
			5925~27000	26665.61	-31.2	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	3248.39	-40.34	≤-27	PASS
			5925~27000	25141.89	-32.26	≤-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



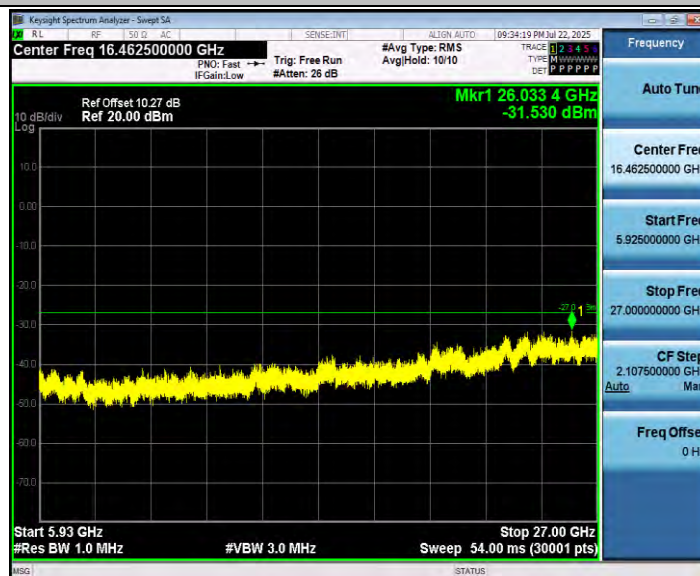
11N20SISO_Ant1_5745_5925~27000



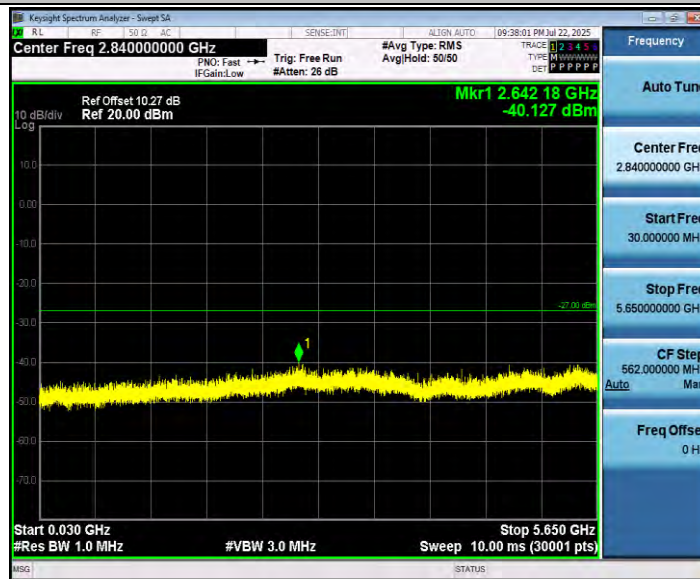
11N20SISO_Ant1_5785_30~5650



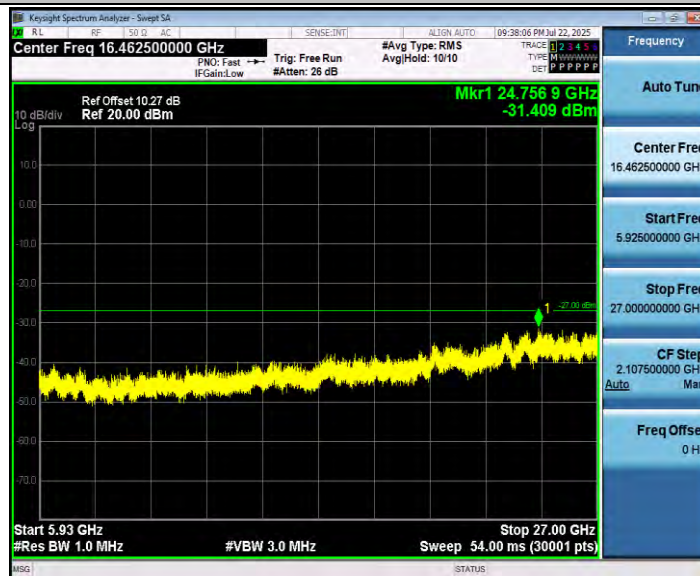
11N20SISO_Ant1_5785_5925~27000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~27000



11N40SISO_Ant1_5755_30~5650



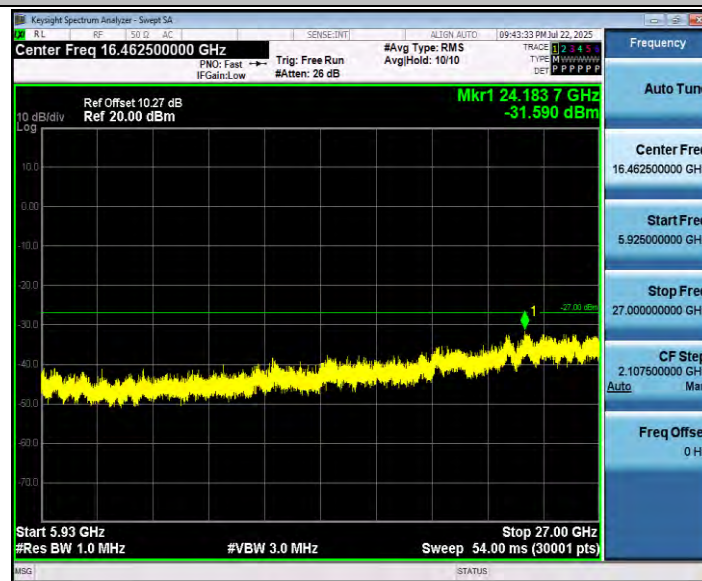
11N40SISO_Ant1_5755_5925~27000



11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~27000



11AC20SISO_Ant1_5745_30~5650



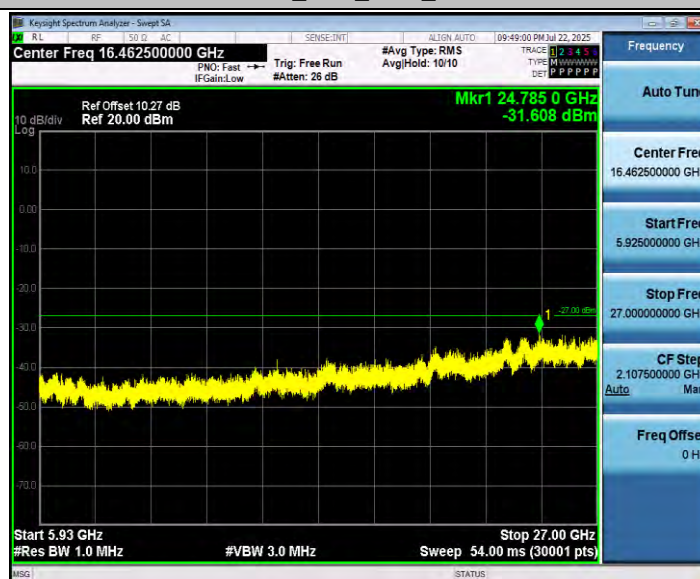
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11AC20SISO_Ant1_5785_30~5650



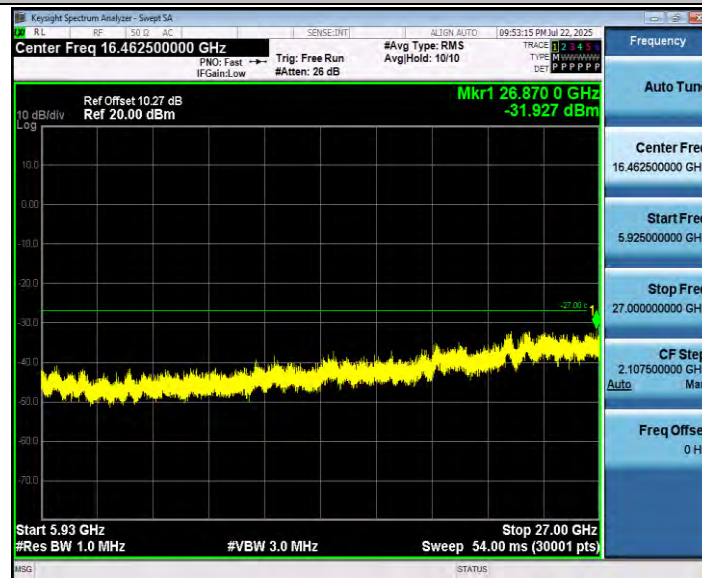
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11AC20SISO_Ant1_5825_30~5650



11AC20SISO_Ant1_5825_5925~27000



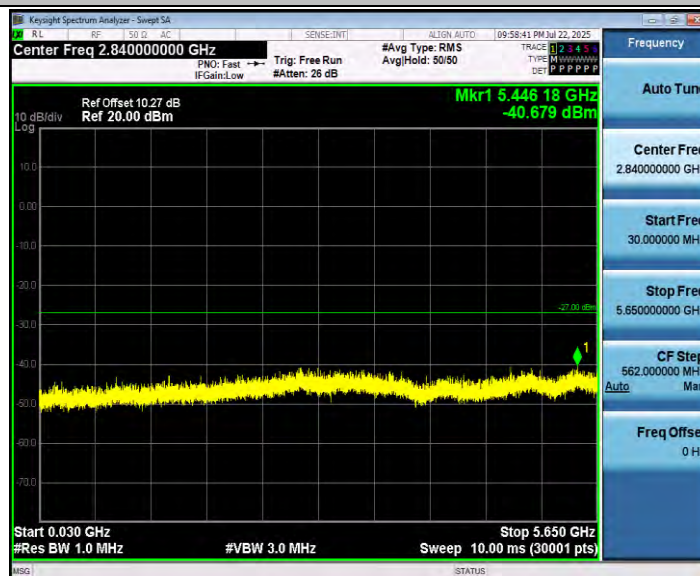
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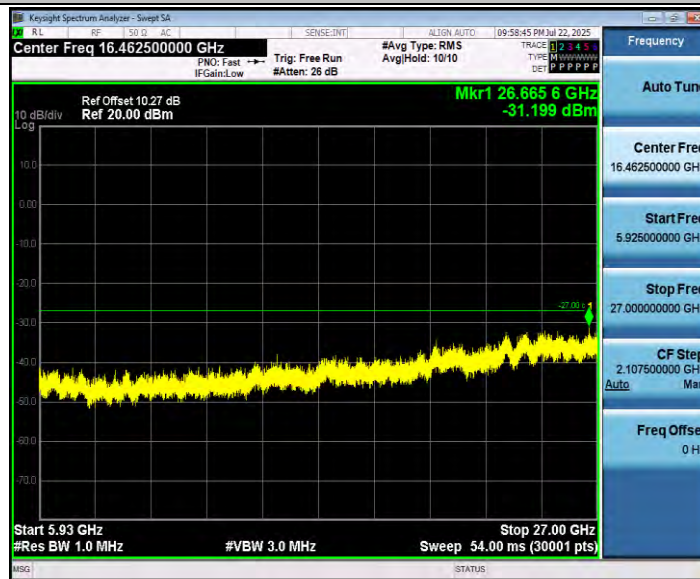
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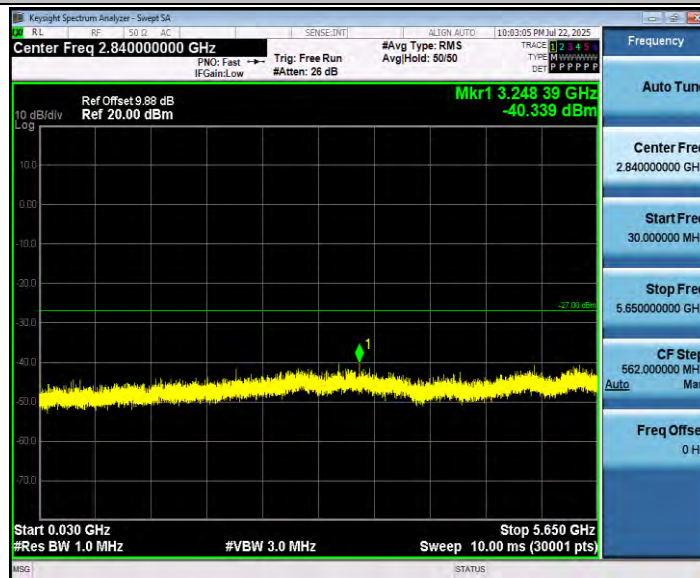
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11AC40SISO_Ant1_5795_5925~27000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~27000

