

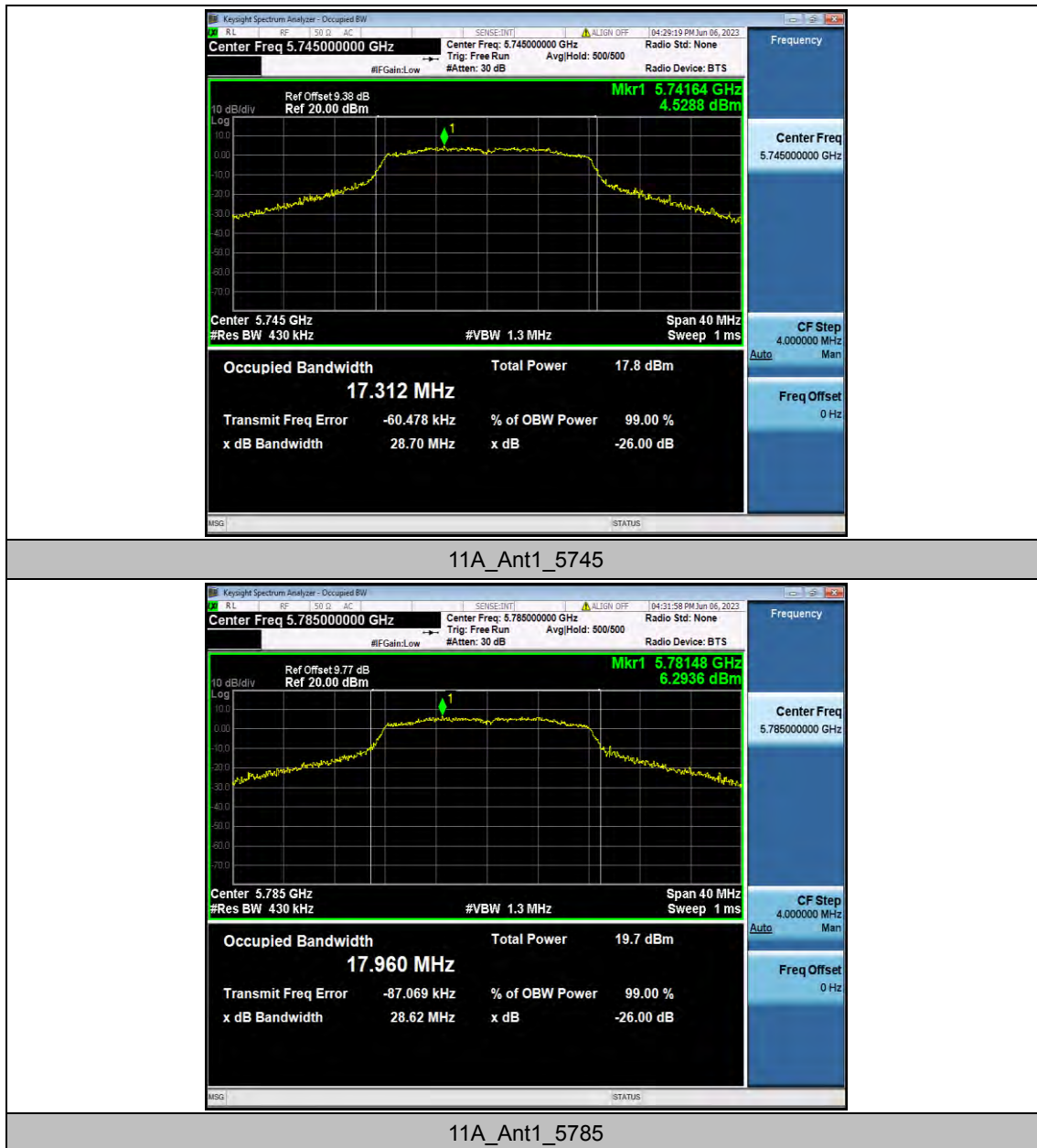
Case No. : <u>GTS20230508024-1-46</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.6.6</u>	Test Engineer: <u>Jenny zeng</u>

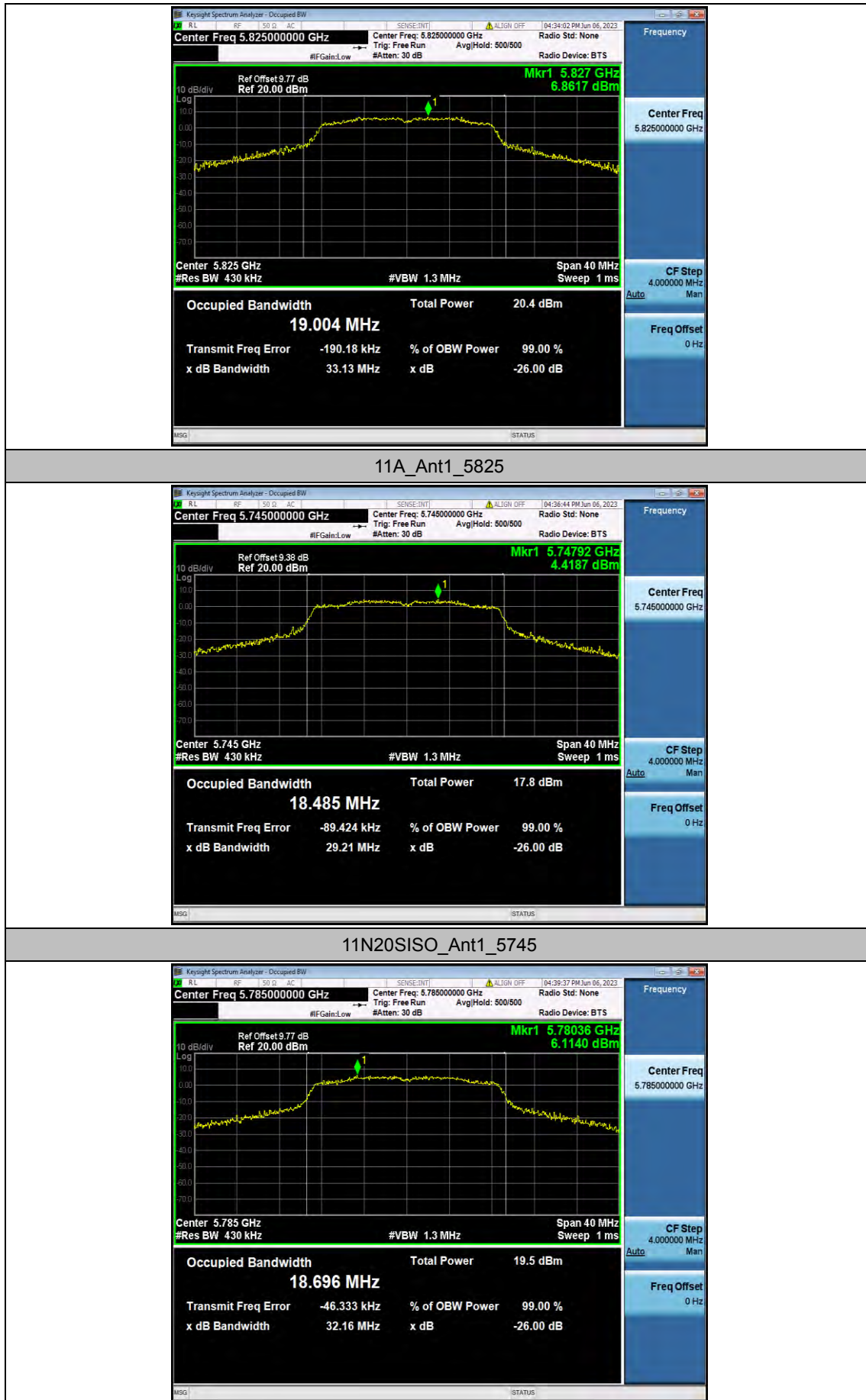
Appendix E.1: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.312	5736.284	5753.596	---	---
		5785	17.960	5775.933	5793.893	---	---
		5825	19.004	5815.308	5834.312	---	---
11N20SISO	Ant1	5745	18.485	5735.668	5754.153	---	---
		5785	18.696	5775.606	5794.302	---	---
		5825	19.487	5815.160	5834.647	---	---
11N40SISO	Ant1	5755	36.740	5736.473	5773.213	---	---
		5795	36.834	5776.537	5813.371	---	---
11AC20SISO	Ant1	5745	18.577	5735.656	5754.233	---	---
		5785	19.063	5775.382	5794.445	---	---
		5825	19.584	5815.087	5834.671	---	---
11AC40SISO	Ant1	5755	36.639	5736.595	5773.234	---	---
		5795	36.829	5776.579	5813.408	---	---
11AC80SISO	Ant1	5775	75.278	5737.145	5812.423	---	---

Test Graphs

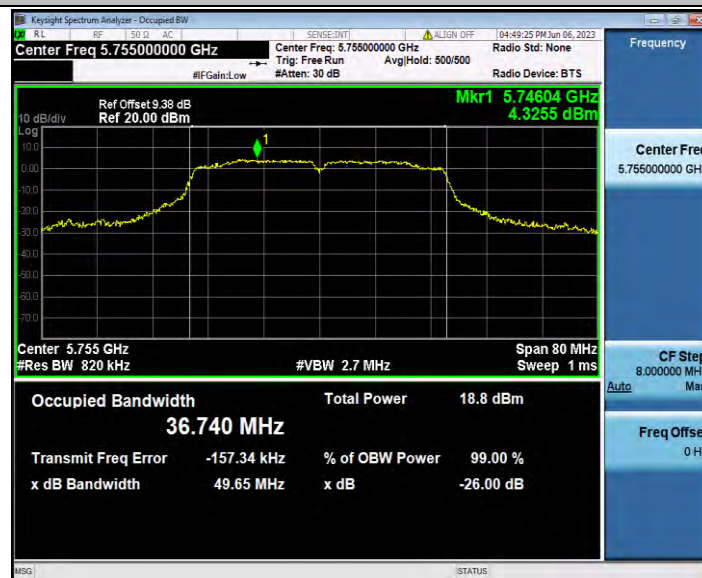




11N20SISO_Ant1_5785



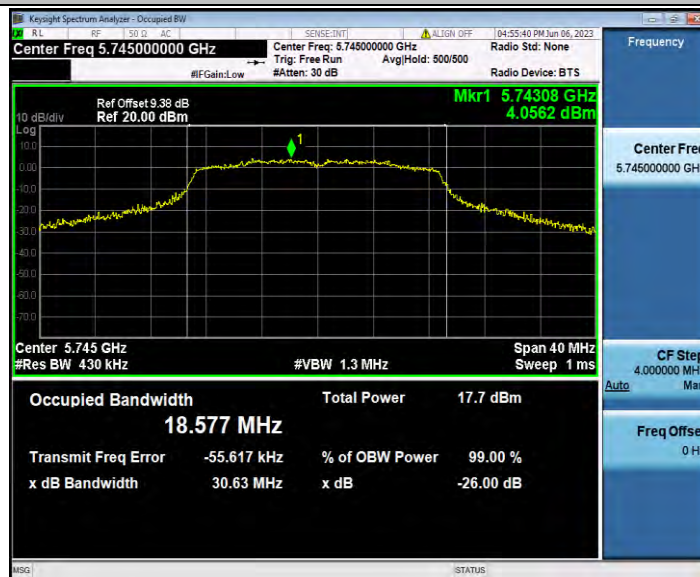
11N20SISO_Ant1_5825



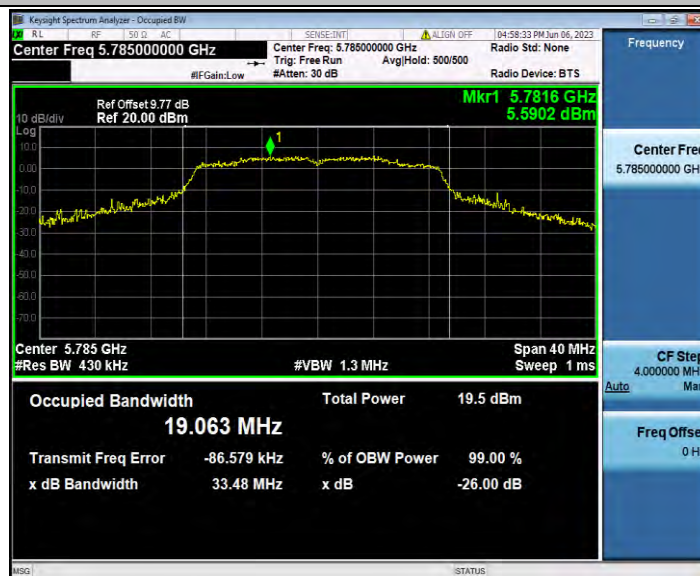
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



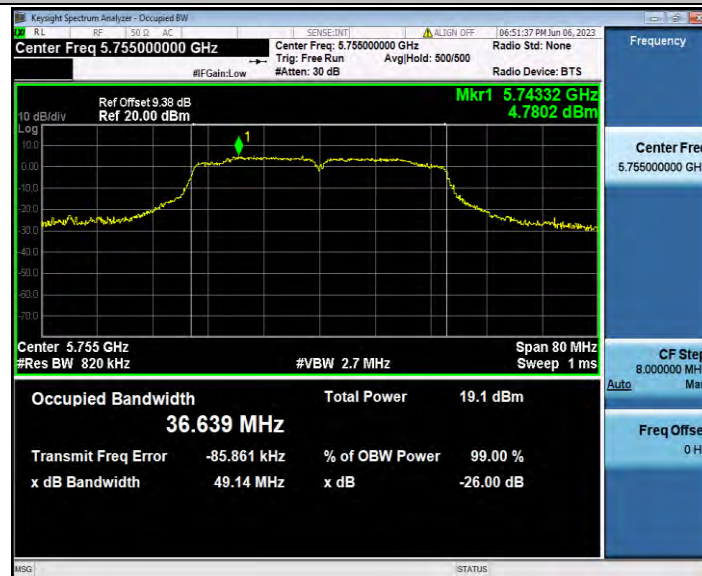
11AC20SISO_Ant1_5745



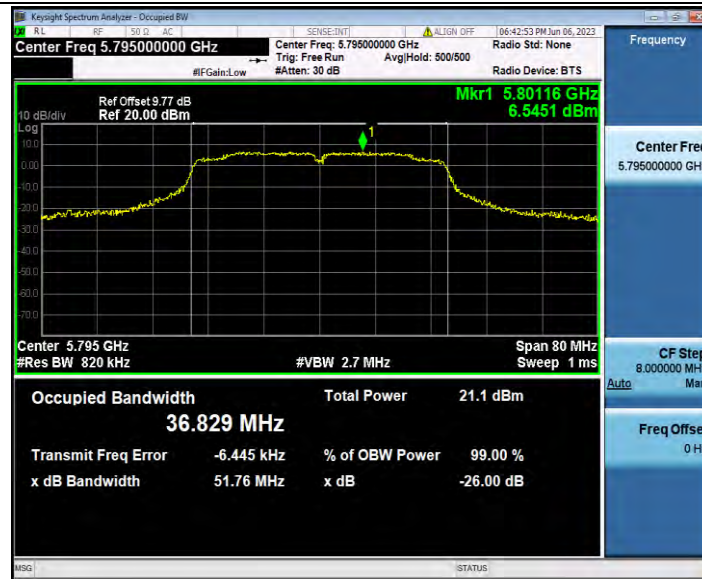
11AC20SISO_Ant1_5785



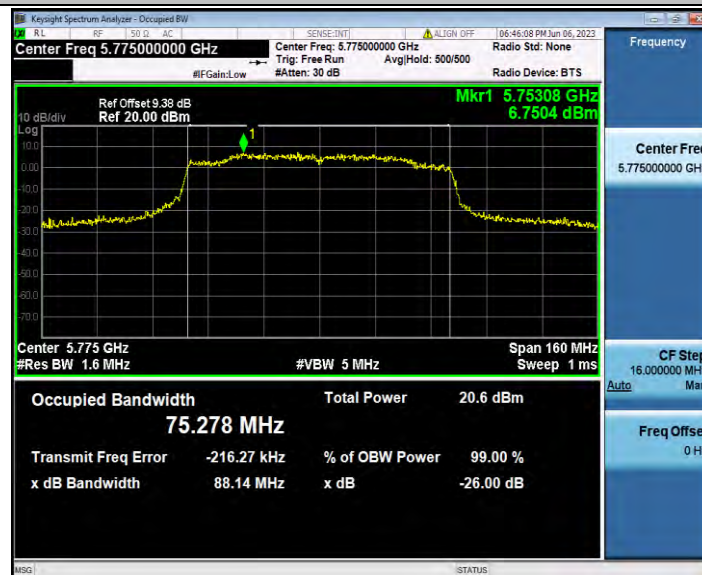
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

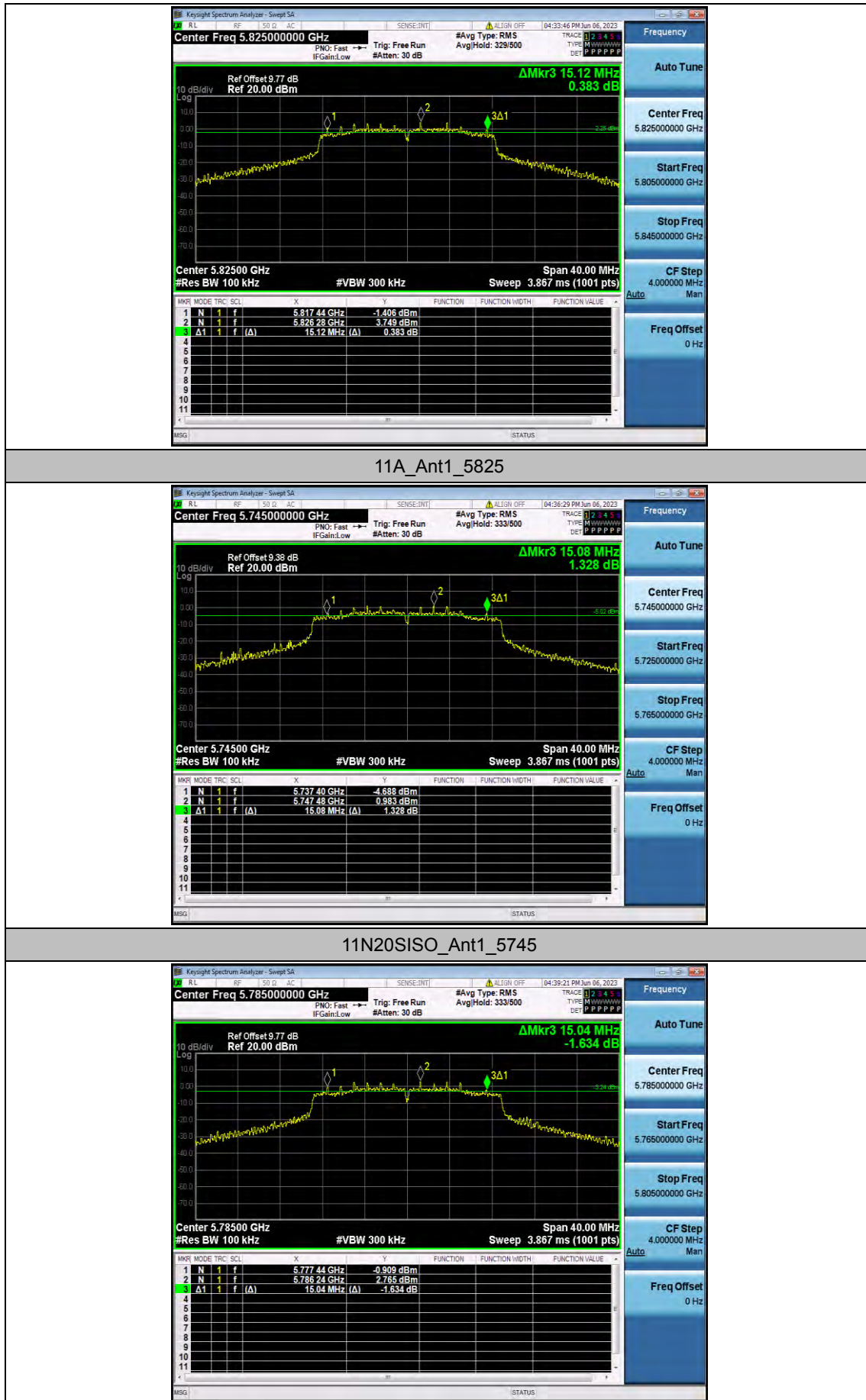


11AC80SISO_Ant1_5775

Appendix E.2: Min emission bandwidth

Test Result B4

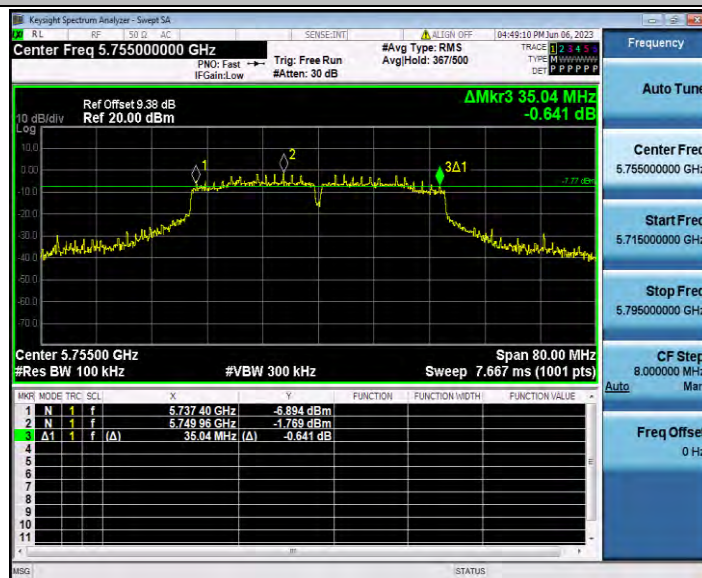
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	14.000	5737.440	5751.440	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N20SISO	Ant1	5745	15.080	5737.400	5752.480	0.5	PASS
		5785	15.040	5777.440	5792.480	0.5	PASS
		5825	15.120	5817.440	5832.560	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.400	5772.440	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	16.080	5736.480	5752.560	0.5	PASS
		5785	15.400	5777.120	5792.520	0.5	PASS
		5825	13.720	5817.560	5831.280	0.5	PASS
11AC40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	68.800	5737.400	5806.200	0.5	PASS



11N20SISO_Ant1_5785



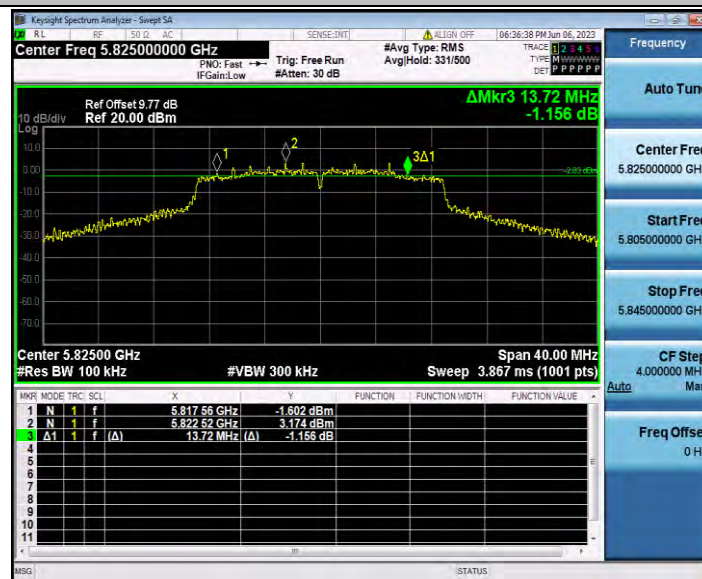
11N20SISO_Ant1_5825



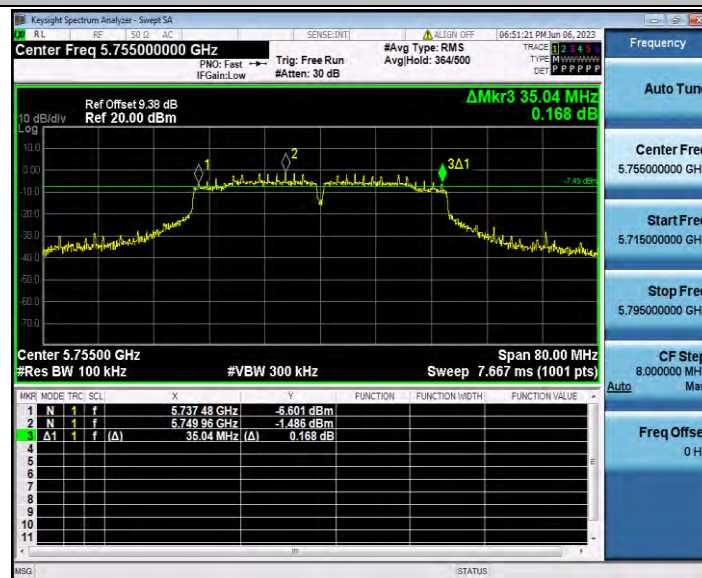
11N40SISO_Ant1_5755



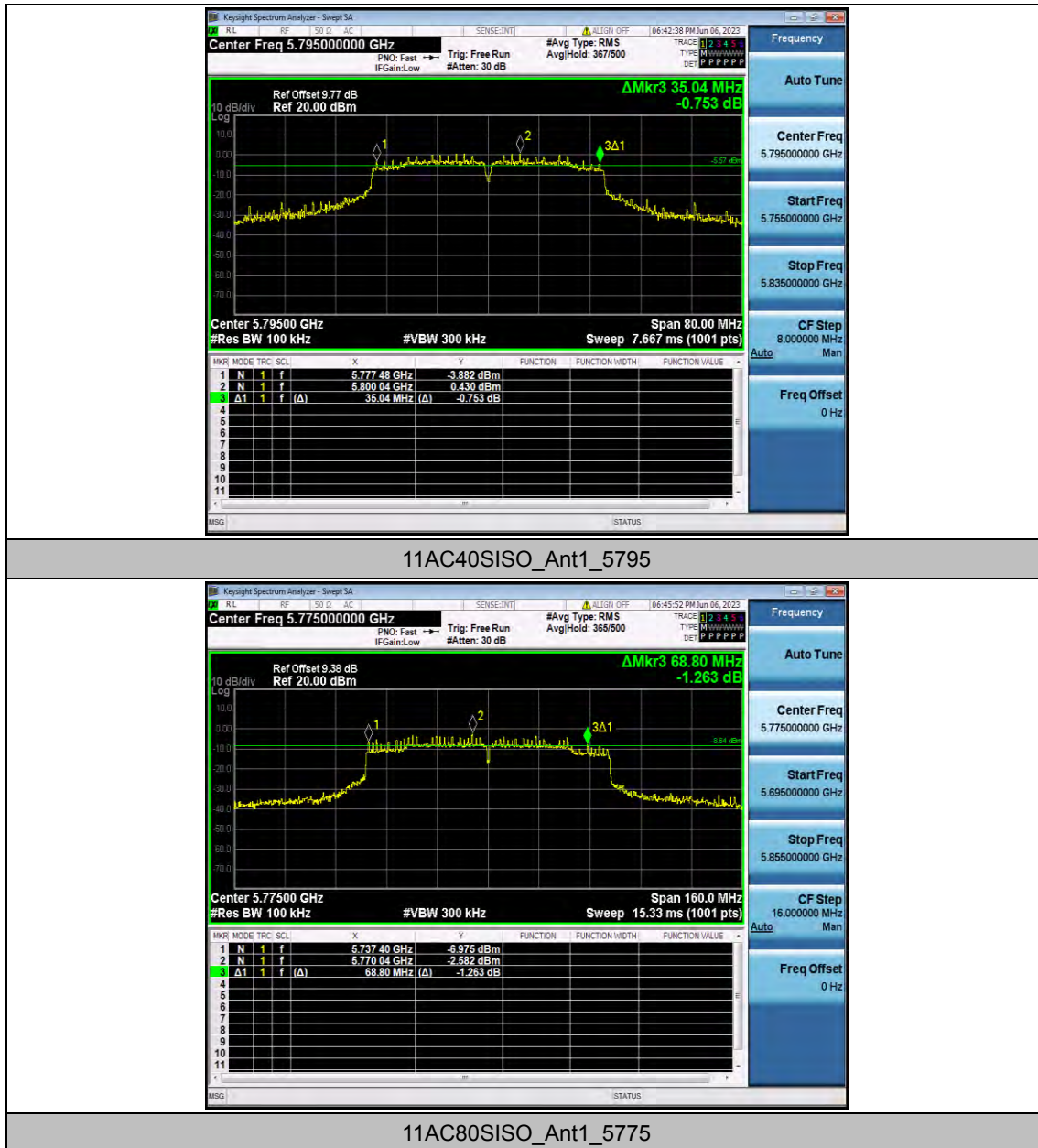
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755

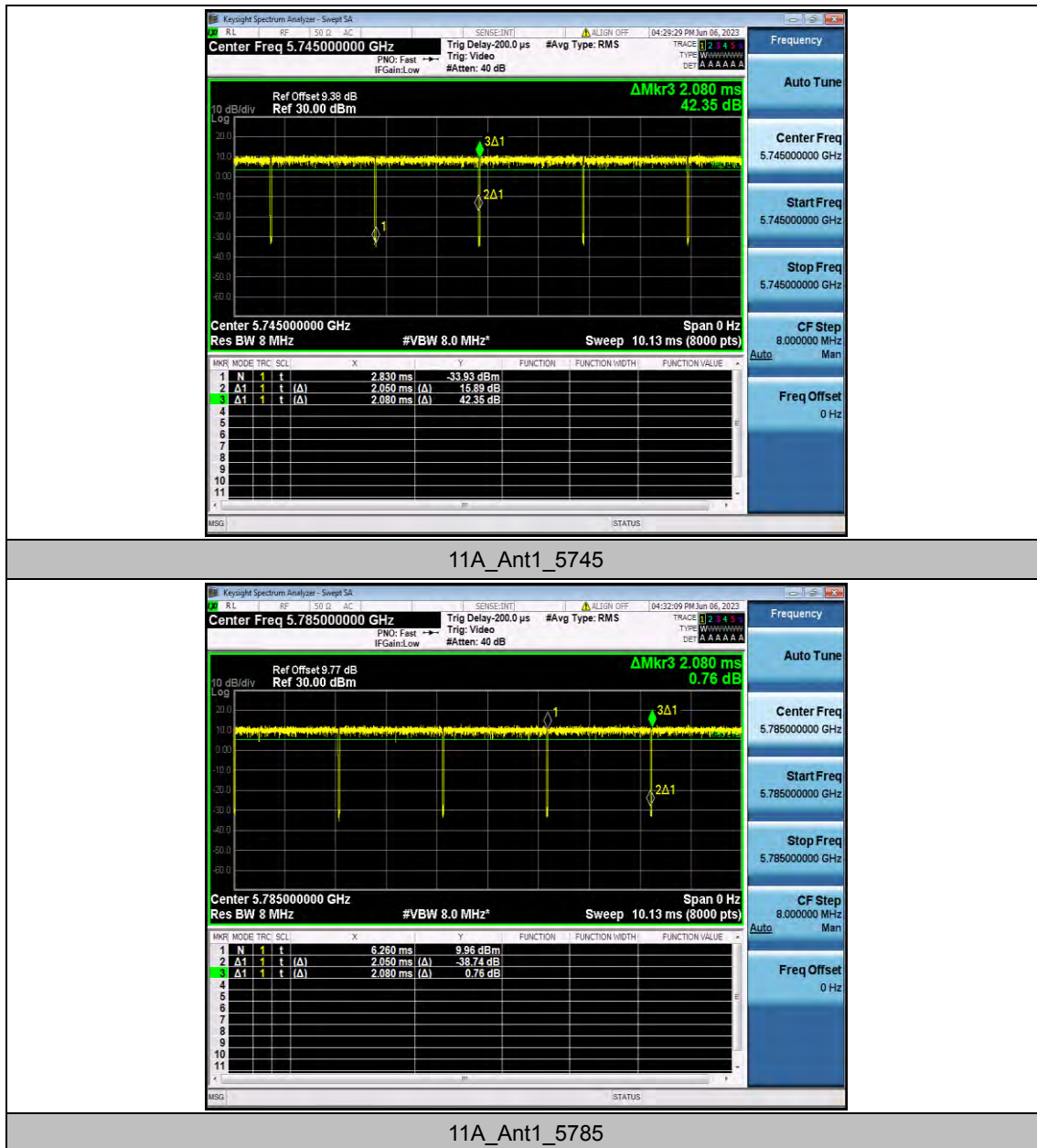


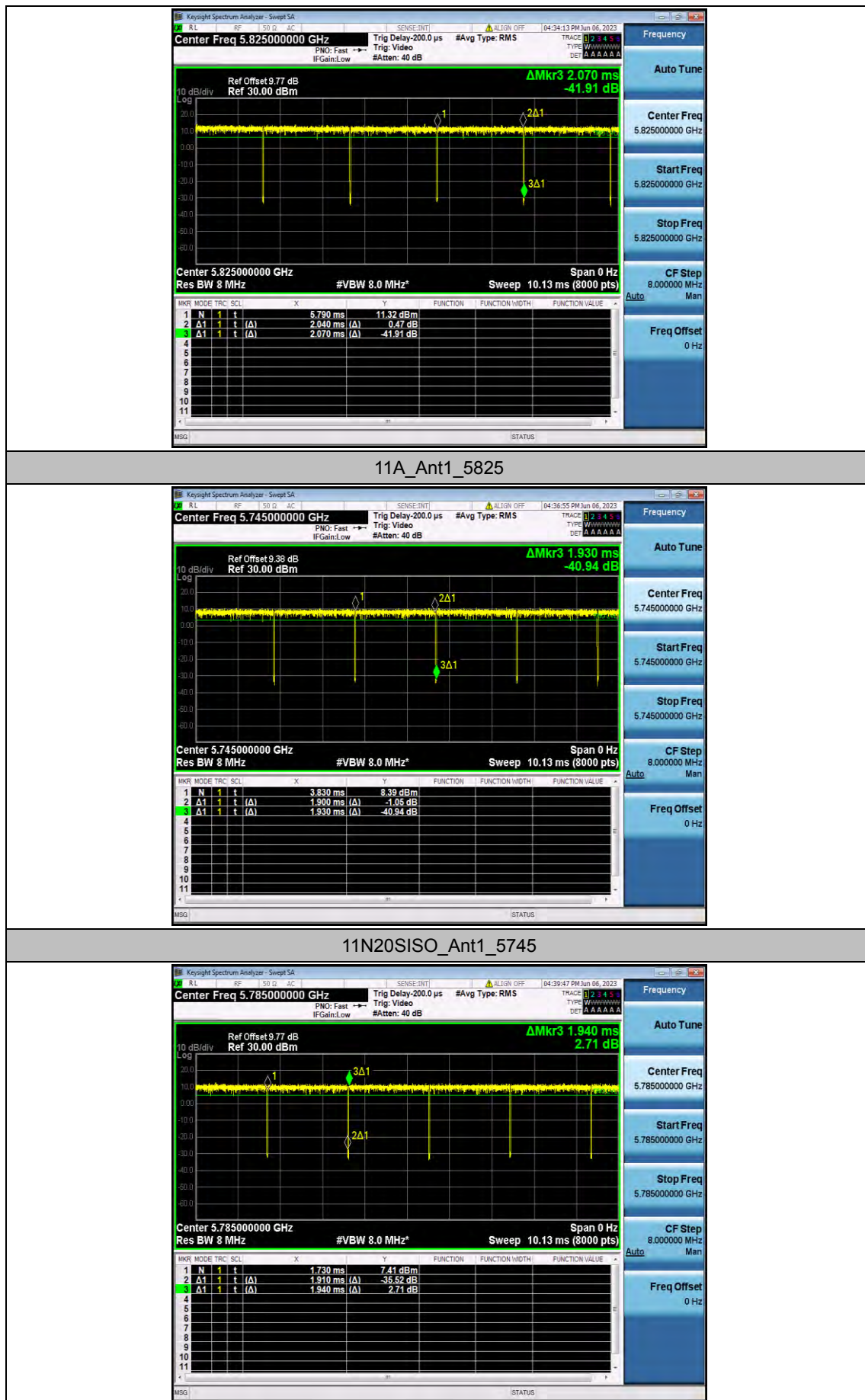
Appendix E.3: Duty Cycle

Test Result

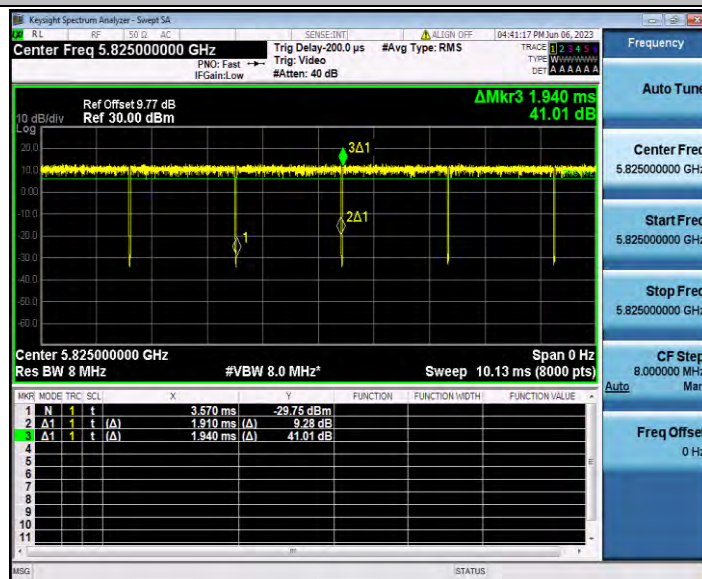
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	2.05	2.08	98.56
		5785	2.05	2.08	98.56
		5825	2.04	2.07	98.55
11N20SISO	Ant1	5745	1.90	1.93	98.45
		5785	1.91	1.94	98.45
		5825	1.91	1.94	98.45
11N40SISO	Ant1	5755	0.94	0.96	97.92
		5795	0.94	0.96	97.92
11AC20SISO	Ant1	5745	0.14	1.84	95.50
		5785	1.91	1.94	98.45
		5825	1.91	1.94	98.45
11AC40SISO	Ant1	5755	0.94	0.97	96.91
		5795	0.95	0.97	97.94
11AC80SISO	Ant1	5775	0.45	0.48	93.75

Test Graphs

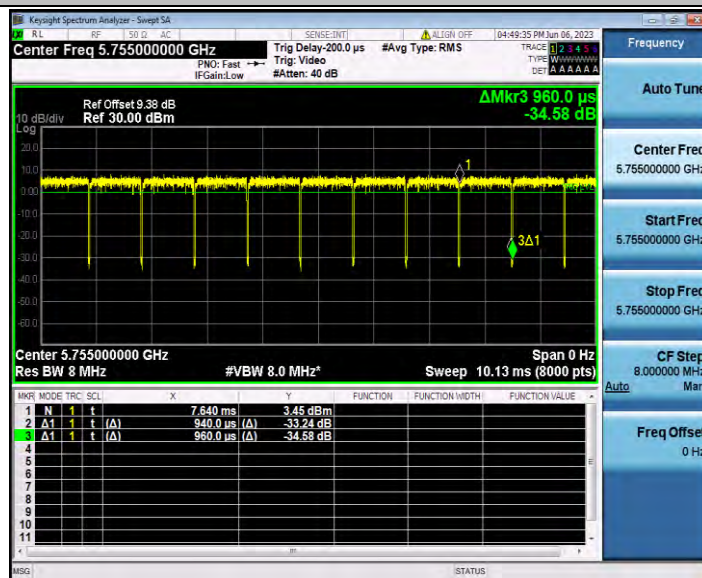




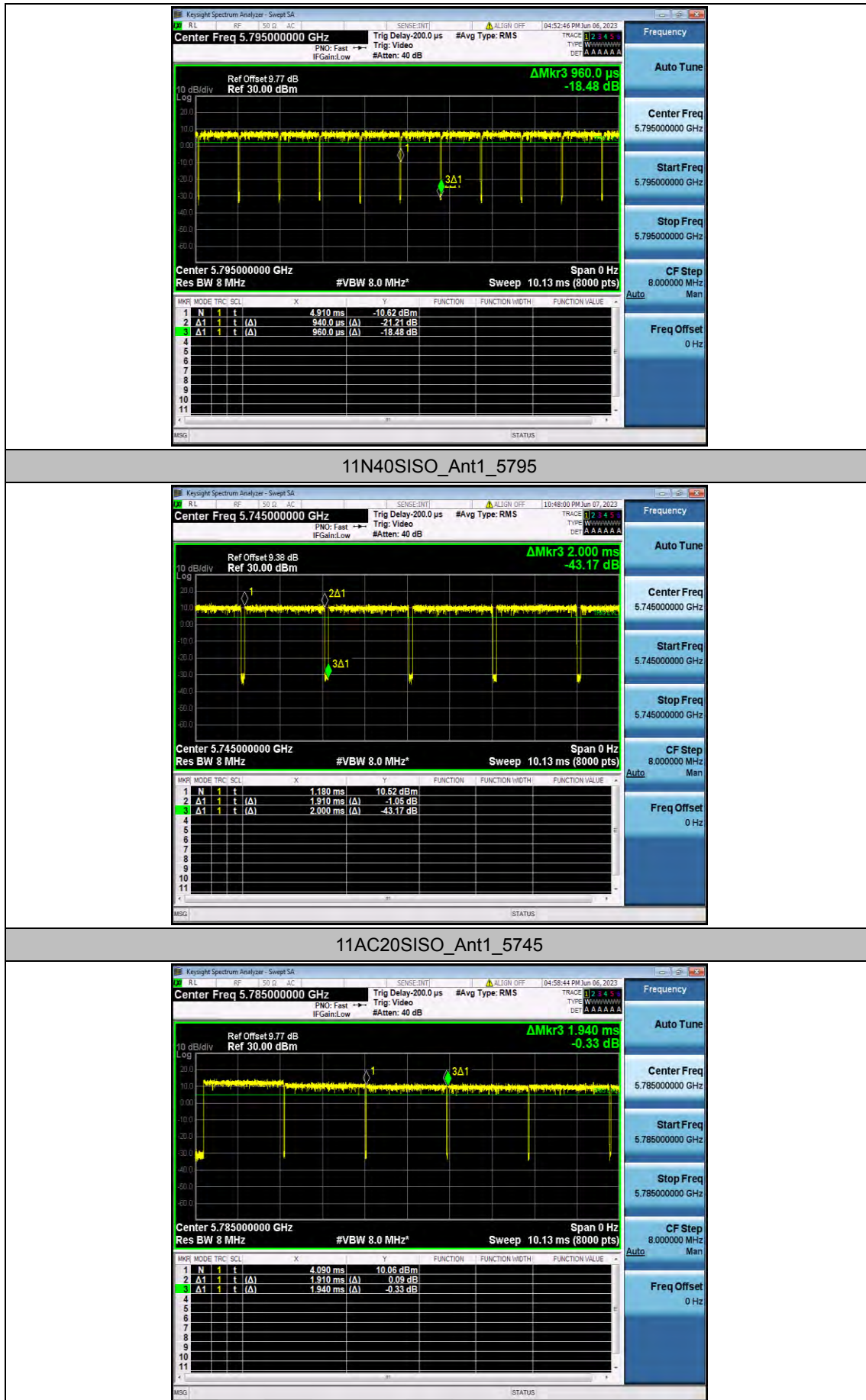
11N20SISO_Ant1_5785



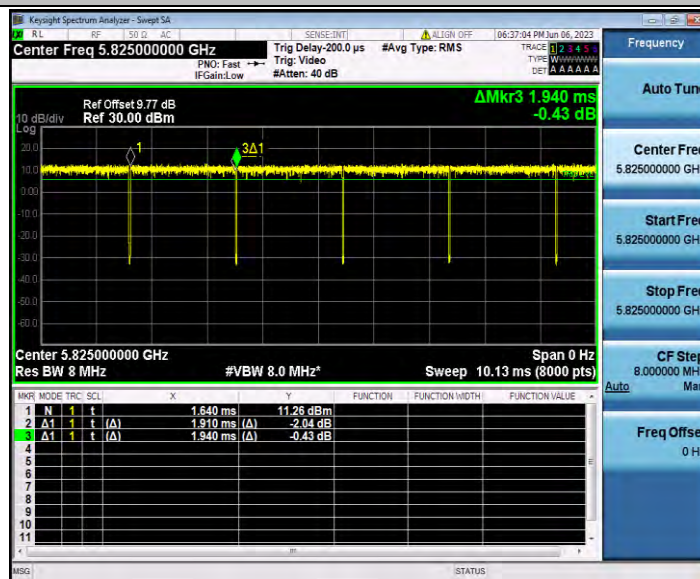
11N20SISO_Ant1_5825



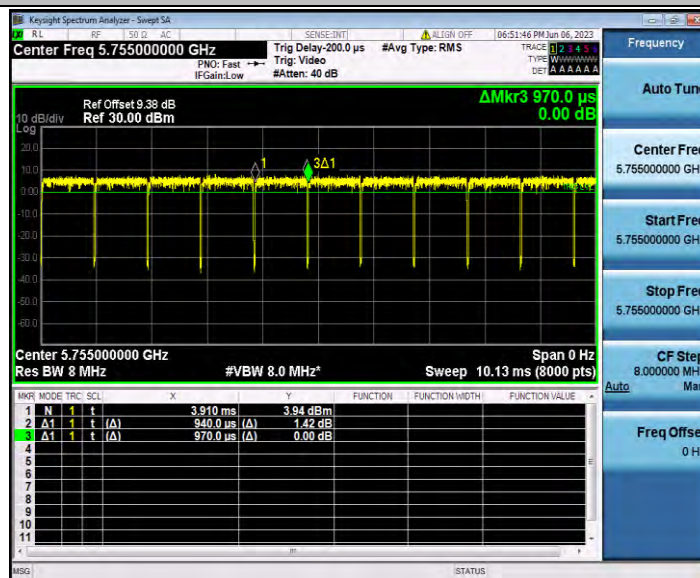
11N40SISO_Ant1_5755



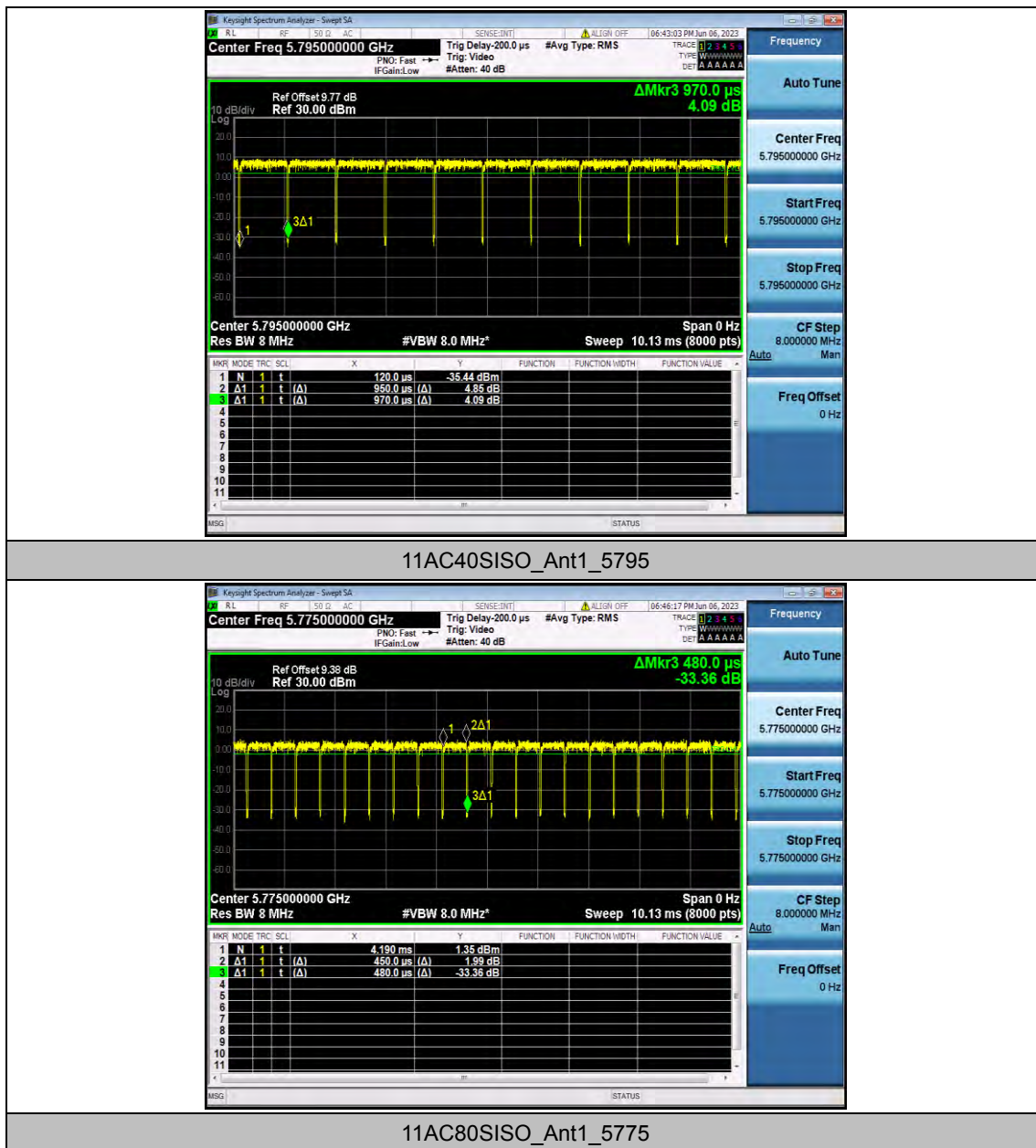
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	10.96	98.56	0.06	11.02	≤30.00	PASS
		5785	12.71	98.56	0.06	12.77	≤30.00	PASS
		5825	13.52	98.55	0.06	13.58	≤30.00	PASS
11N20SISO	Ant1	5745	10.91	98.45	0.07	10.98	≤30.00	PASS
		5785	12.59	98.45	0.07	12.66	≤30.00	PASS
		5825	13.44	98.45	0.07	13.51	≤30.00	PASS
11N40SISO	Ant1	5755	11.01	97.92	0.09	11.10	≤30.00	PASS
		5795	12.98	97.92	0.09	13.07	≤30.00	PASS
11AC20SISO	Ant1	5745	10.84	95.50	0.20	11.04	≤30.00	PASS
		5785	12.58	98.45	0.07	12.65	≤30.00	PASS
		5825	13.46	98.45	0.07	13.53	≤30.00	PASS
11AC40SISO	Ant1	5755	11.25	96.91	0.14	11.39	≤30.00	PASS
		5795	13.19	97.94	0.09	13.28	≤30.00	PASS
11AC80SISO	Ant1	5775	11.43	93.75	0.28	11.71	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.

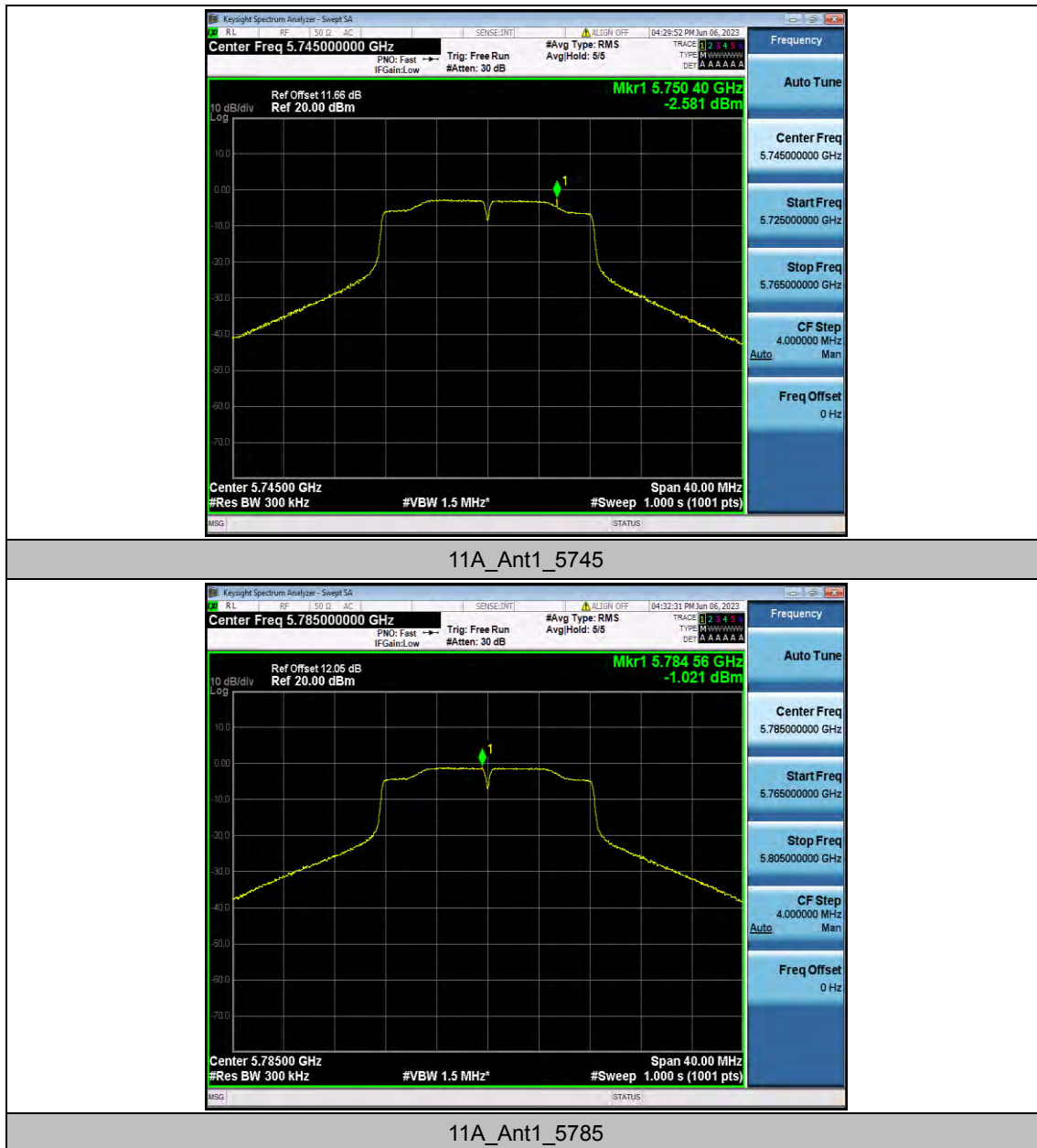
Appendix E.5: Maximum power spectral density

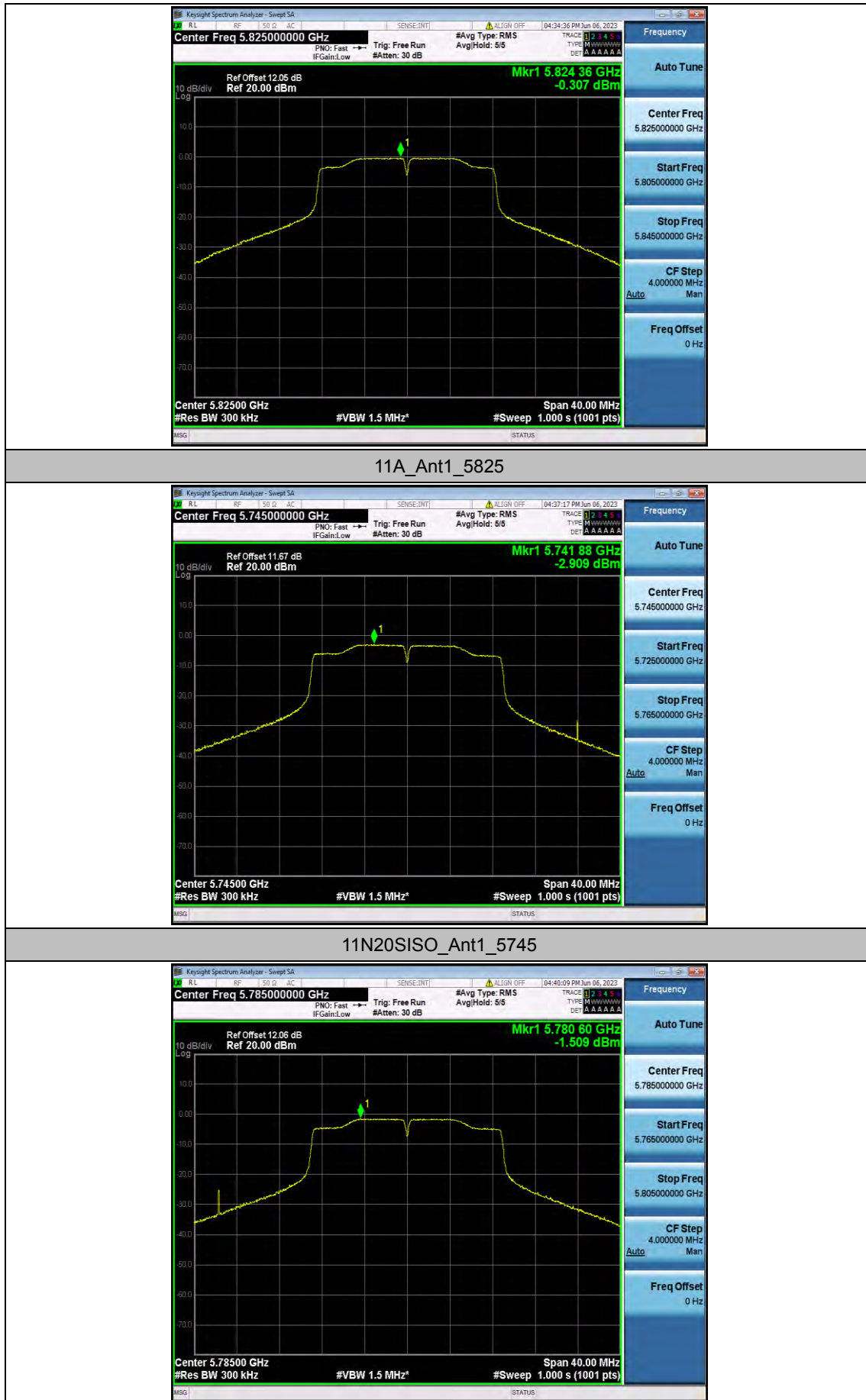
Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-2.58	≤30.00	PASS
		5785	-1.02	≤30.00	PASS
		5825	-0.31	≤30.00	PASS
11N20SISO	Ant1	5745	-2.91	≤30.00	PASS
		5785	-1.51	≤30.00	PASS
		5825	-0.64	≤30.00	PASS
11N40SISO	Ant1	5755	-5.62	≤30.00	PASS
		5795	-4	≤30.00	PASS
11AC20SISO	Ant1	5745	8.12	≤30.00	PASS
		5785	-1.53	≤30.00	PASS
		5825	0.14	≤30.00	PASS
11AC40SISO	Ant1	5755	-5.45	≤30.00	PASS
		5795	-3.34	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.02	≤30.00	PASS

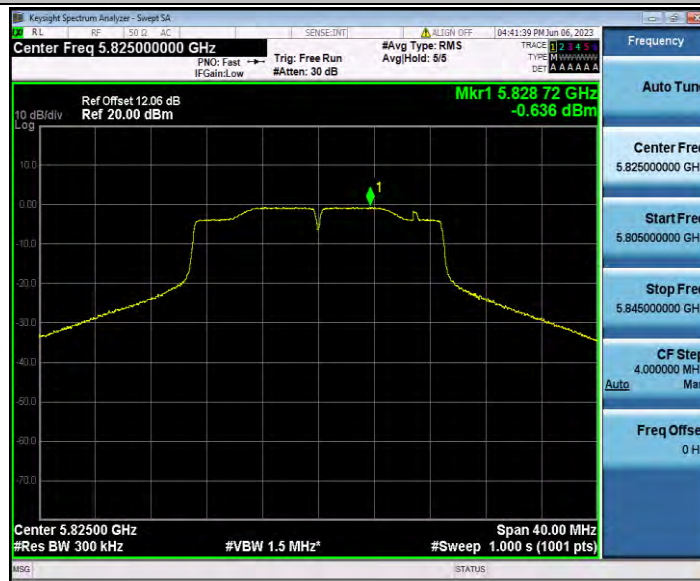
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs





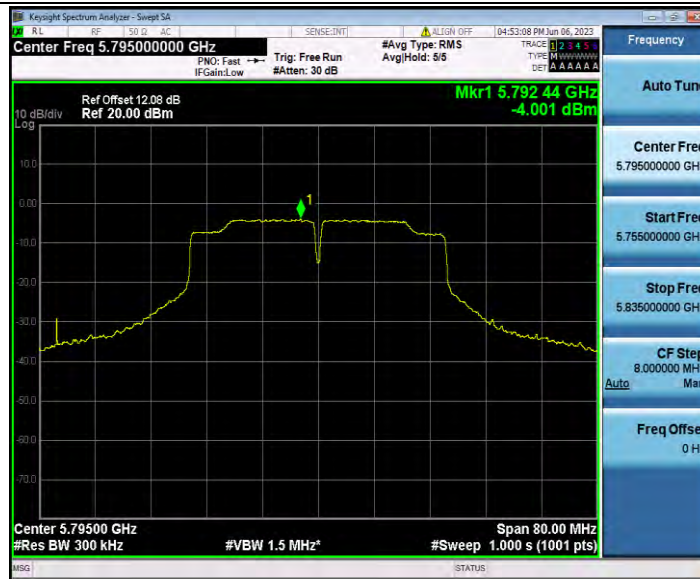
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



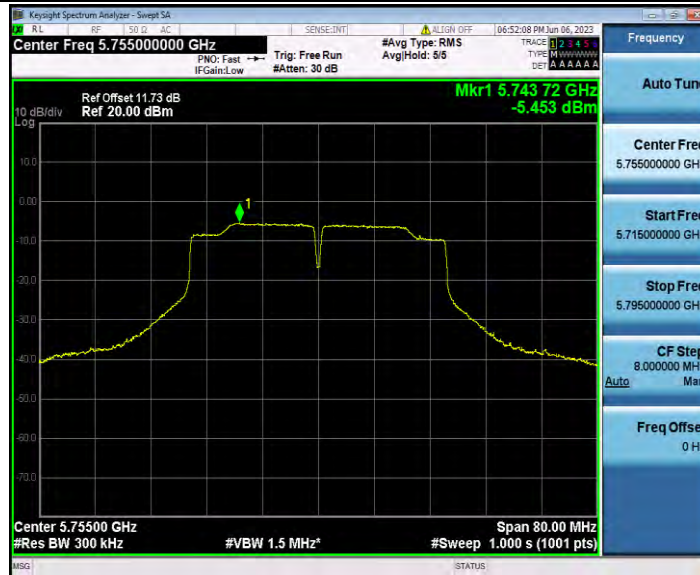
11AC20SISO_Ant1_5745



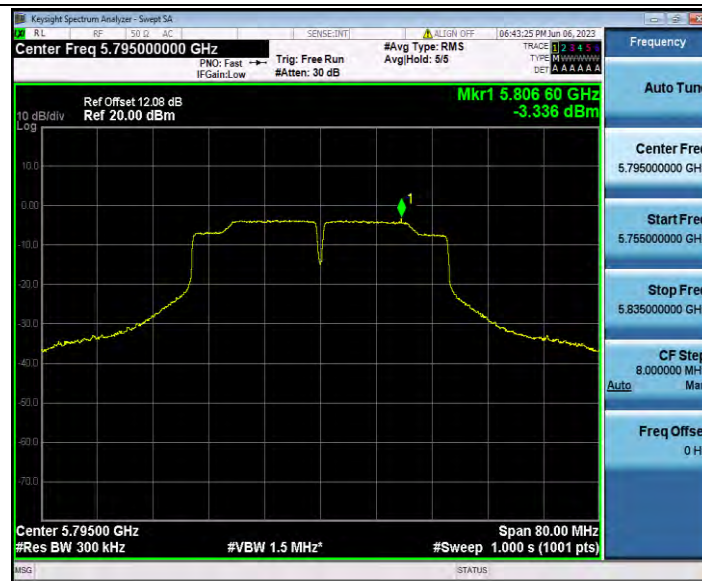
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

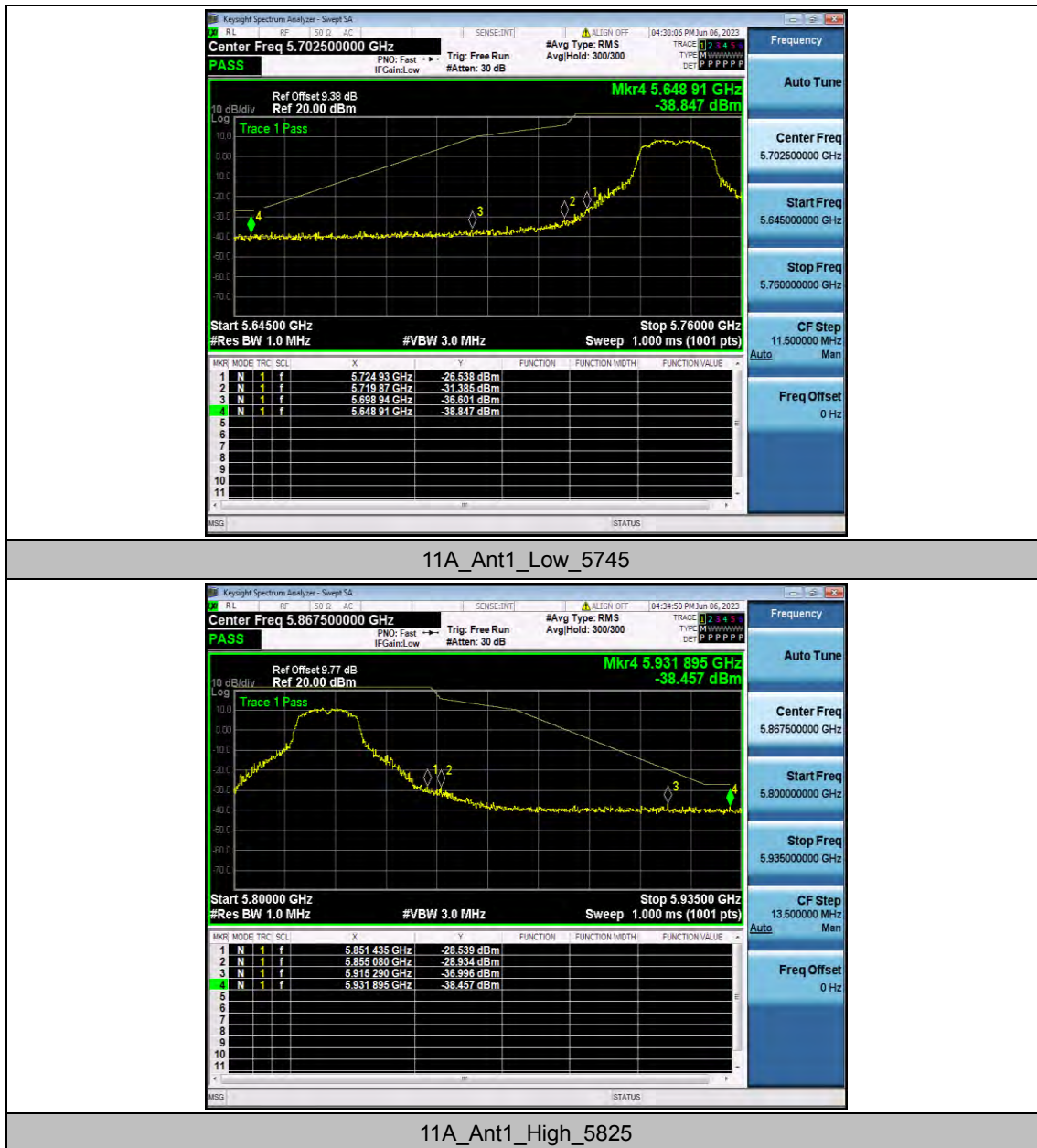
Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-36.6	≤9.21	PASS
				5700~5720	-31.39	≤15.56	PASS
				5720~5725	-26.54	≤26.83	PASS
				5760~5650	-38.85	≤-27	PASS
		High	5825	5850~5855	-28.54	≤18.87	PASS
				5855~5875	-28.93	≤10.02	PASS
				5875~5925	-37	≤2.81	PASS
				5925~5935	-38.46	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-37.24	≤9.64	PASS
				5700~5720	-29.29	≤15.59	PASS
				5720~5725	-22.94	≤26.30	PASS
				5760~5650	-39.75	≤-27	PASS
		High	5825	5850~5855	-22.82	≤17.33	PASS
				5855~5875	-27.25	≤11.27	PASS
				5875~5925	-35.55	≤-20.66	PASS
				5925~5935	-38.07	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-32.84	≤8.26	PASS
				5700~5720	-23.91	≤15.35	PASS
				5720~5725	-22.59	≤23.74	PASS
				5780~5650	-38.53	≤-27	PASS
		High	5795	5850~5855	-31.79	≤17.91	PASS
				5855~5875	-31.29	≤11.06	PASS
				5875~5925	-36.78	≤-25.58	PASS
				5925~5935	-38.71	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-36.48	≤8.53	PASS
				5700~5720	-31.15	≤15.34	PASS
				5720~5725	-22.08	≤26.83	PASS
				5760~5650	-38.49	≤-27	PASS
		High	5825	5850~5855	-28.39	≤17.33	PASS
				5855~5875	-29.1	≤10.66	PASS
				5875~5925	-37.56	≤-25.96	PASS
				5925~5935	-38.19	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-31.14	≤9.46	PASS
				5700~5720	-23.46	≤15.35	PASS
				5720~5725	-22.87	≤16.66	PASS
				5780~5650	-39.26	≤-27	PASS

11AC80SI SO	Ant1	High	5795	5850~5855	-31.69	≤ 20.92	PASS
				5855~5875	-32.49	≤ 10.41	PASS
				5875~5925	-37.42	≤ -1.65	PASS
				5925~5935	-37.93	≤ -27	PASS
		Low	5775	5650~5700	-27.21	≤ 8.30	PASS
				5700~5720	-24.37	≤ 15.13	PASS
				5720~5725	-25.5	≤ 26.95	PASS
				5800~5650	-37.25	≤ -27	PASS
		High	5775	5850~5855	-28.39	≤ 16.22	PASS
				5855~5875	-27.11	≤ 10.07	PASS
				5875~5925	-33.57	≤ -26.54	PASS
				5925~5935	-38.3	≤ -27	PASS

Test Graphs B4





11N20SISO_Ant1_Low_5745



11N20SISO_Ant1_High_5825



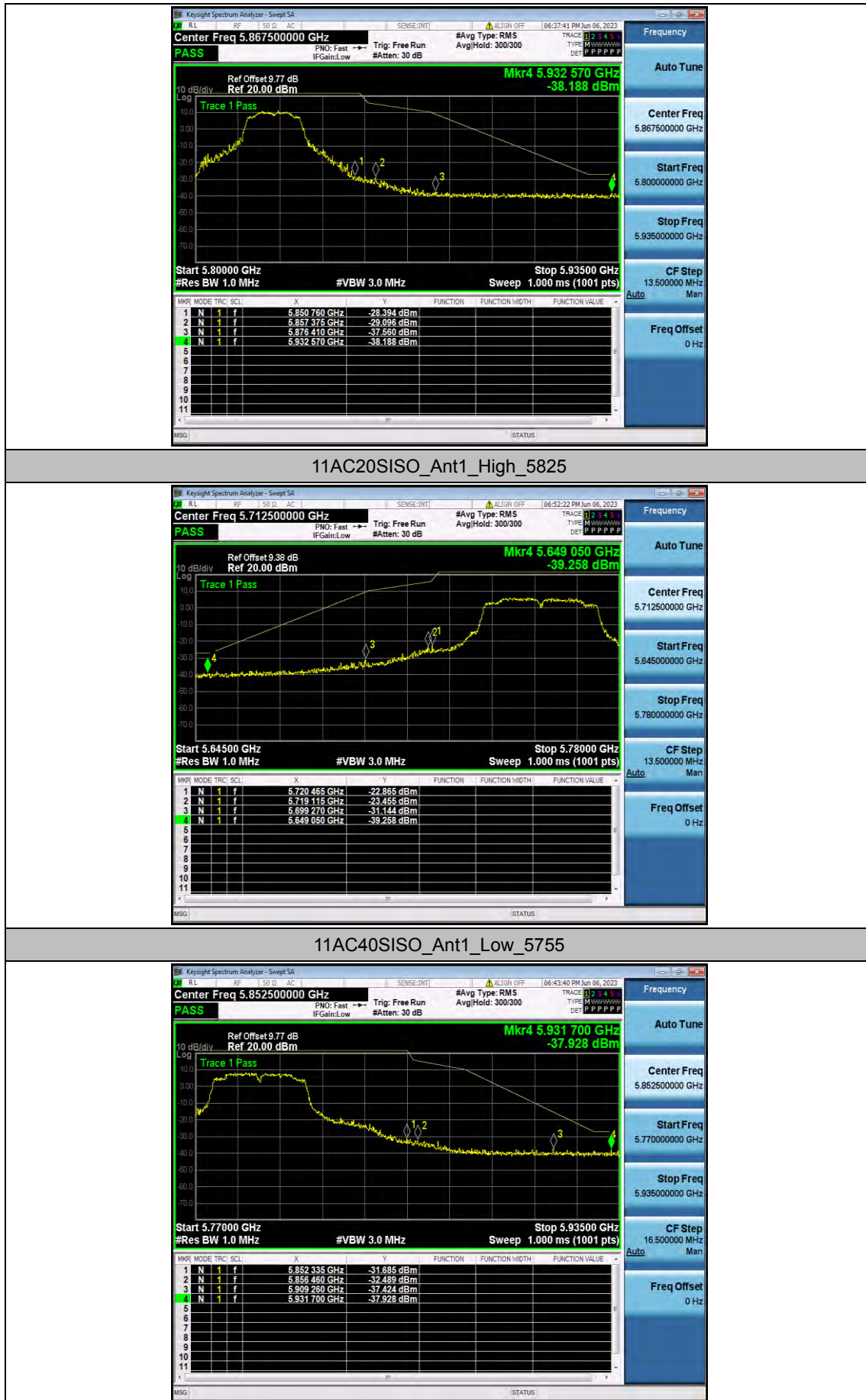
11N40SISO_Ant1_Low_5755



11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



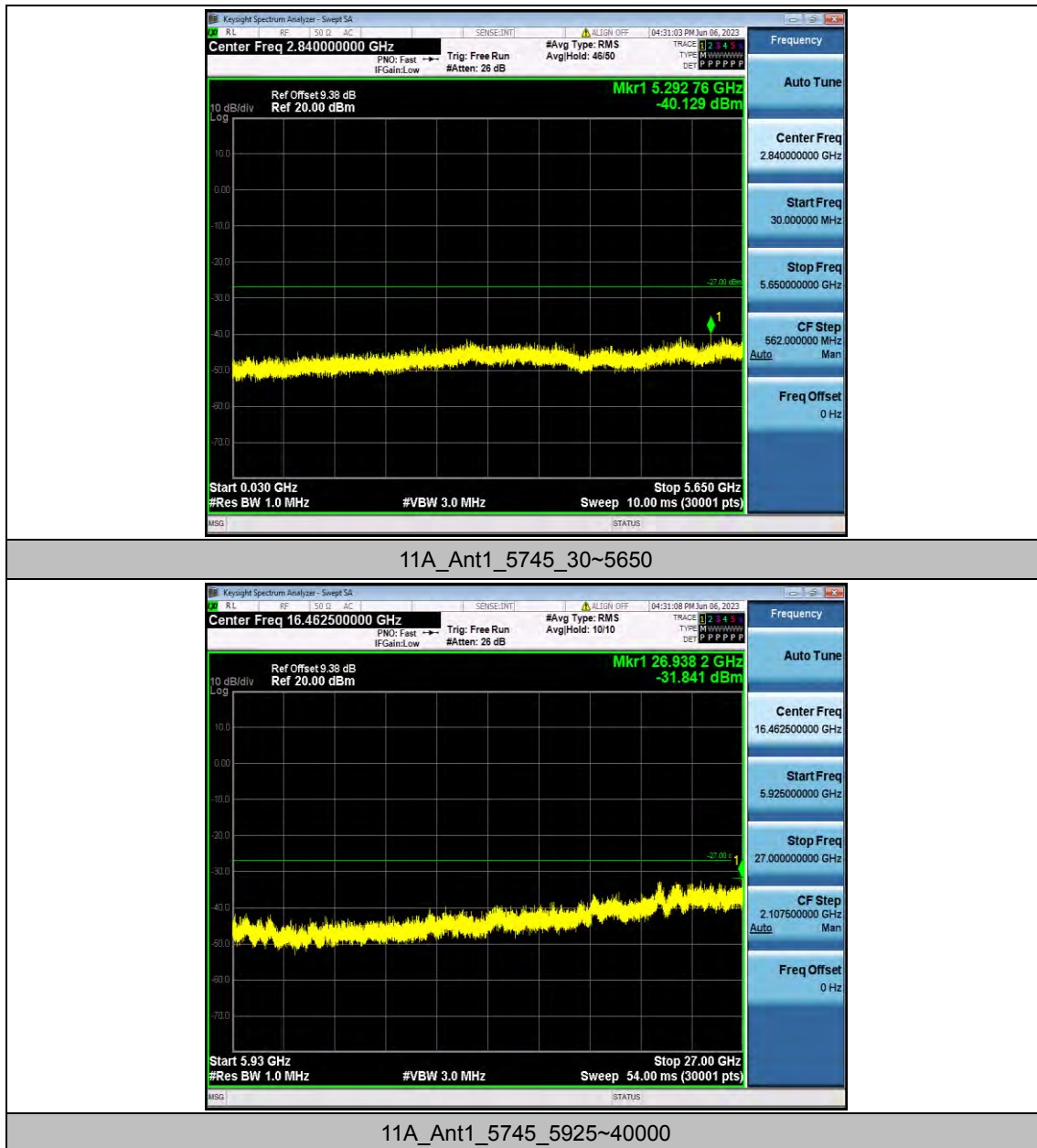
11AC80SISO_Ant1_High_5775

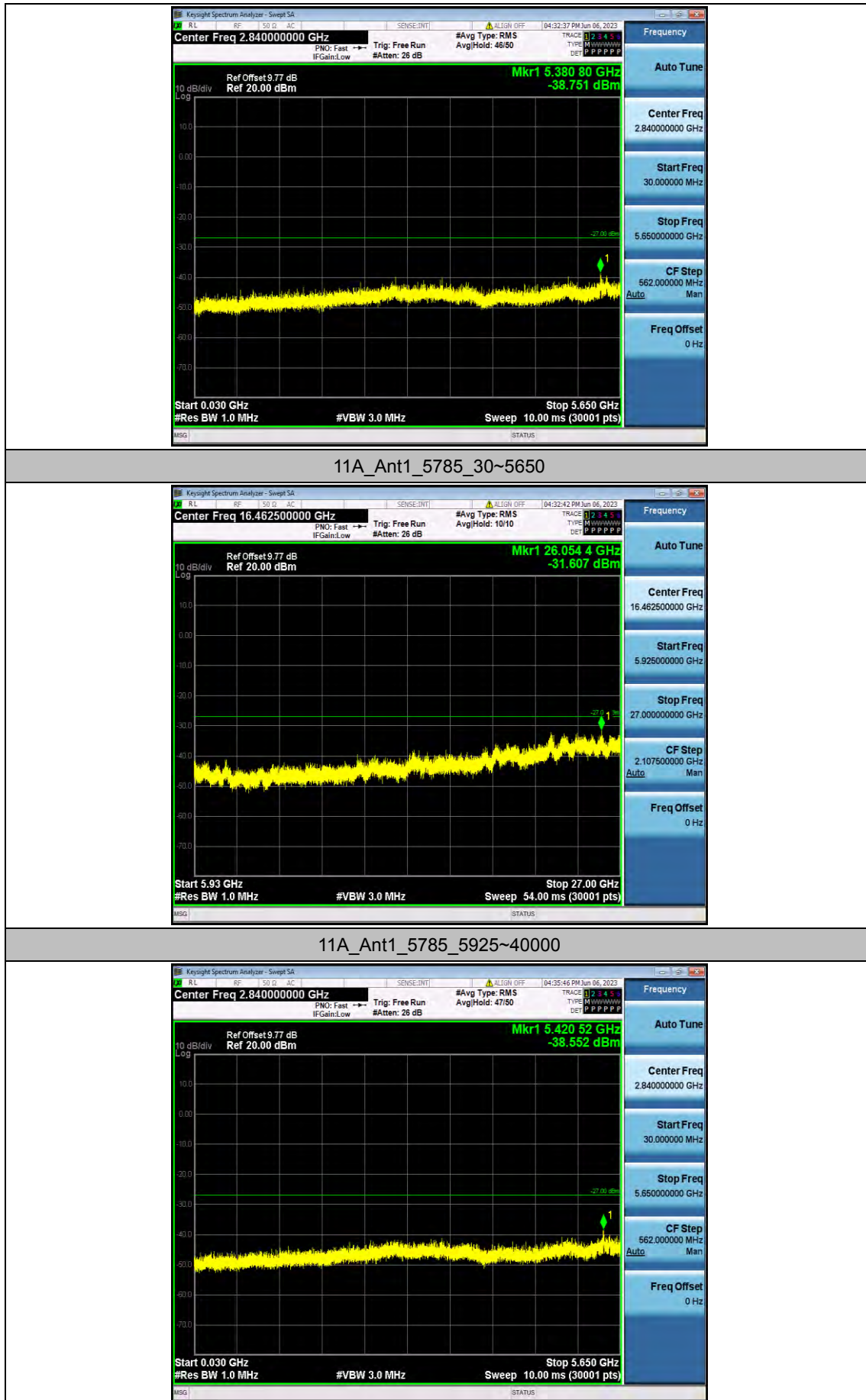
Appendix E.7: Conducted Spurious Emission

Test Result

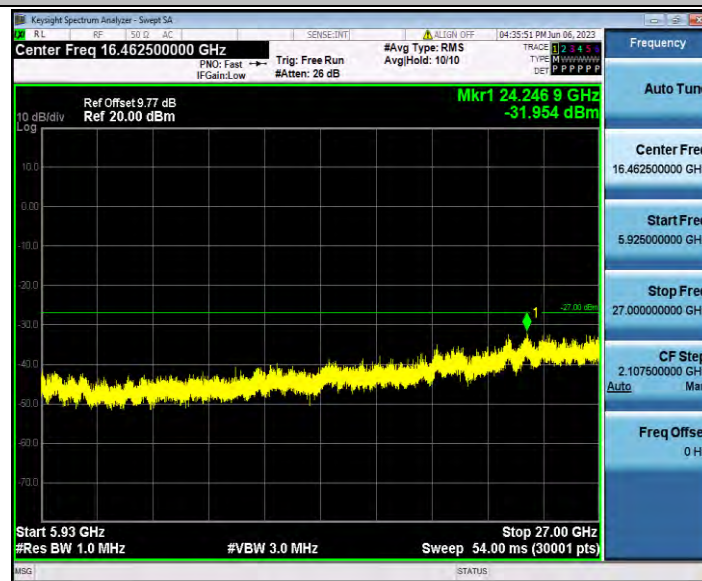
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5292.76	-40.13	≤-27	PASS
			5925~40000	26938.18	-31.84	≤-27	PASS
		5785	30~5650	5380.8	-38.75	≤-27	PASS
			5925~40000	26054.44	-31.61	≤-27	PASS
		5825	30~5650	5420.52	-38.55	≤-27	PASS
			5925~40000	24246.9	-31.95	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5428.2	-40.24	≤-27	PASS
			5925~40000	25569.01	-32.15	≤-27	PASS
		5785	30~5650	5534.04	-39.86	≤-27	PASS
			5925~40000	24213.89	-31.49	≤-27	PASS
		5825	30~5650	5420.52	-39.16	≤-27	PASS
			5925~40000	26946.61	-31.83	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	4951.81	-40.34	≤-27	PASS
			5925~40000	25650.5	-32.8	≤-27	PASS
		5795	30~5650	5466.23	-39.74	≤-27	PASS
			5925~40000	25651.9	-32.17	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5505.57	-40.03	≤-27	PASS
			5925~40000	24806.09	-32.55	≤-27	PASS
		5785	30~5650	5468.47	-38.78	≤-27	PASS
			5925~40000	25028.08	-32.59	≤-27	PASS
		5825	30~5650	5499.76	-39.33	≤-27	PASS
			5925~40000	25610.46	-31.94	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5437.56	-39.49	≤-27	PASS
			5925~40000	24254.63	-32.14	≤-27	PASS
		5795	30~5650	5566.26	-39.57	≤-27	PASS
			5925~40000	24870.02	-32.2	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5650	-39.47	≤-27	PASS
			5925~40000	23514.2	-32.43	≤-27	PASS

Test Graphs





11A_Ant1_5825_30~5650



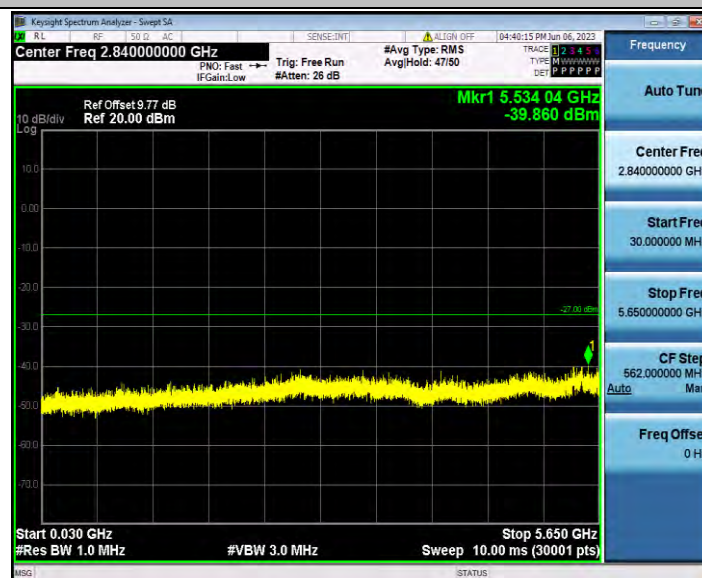
11A_Ant1_5825_5925~40000



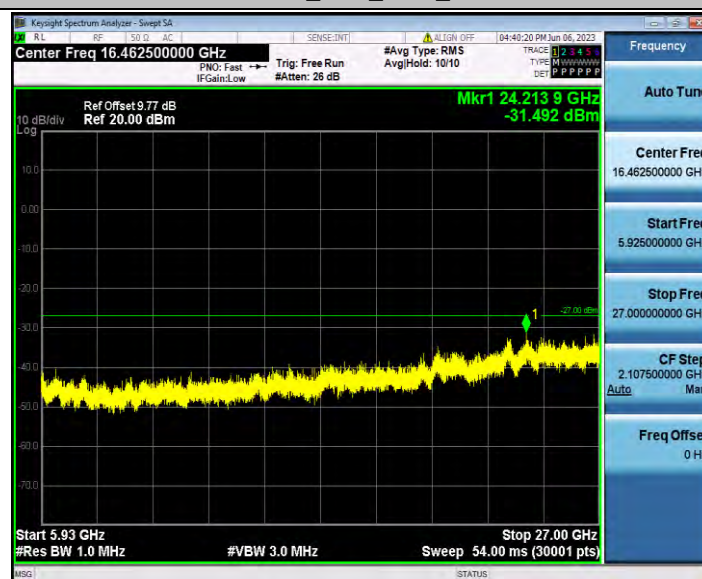
11N20SISO_Ant1_5745_30~5650



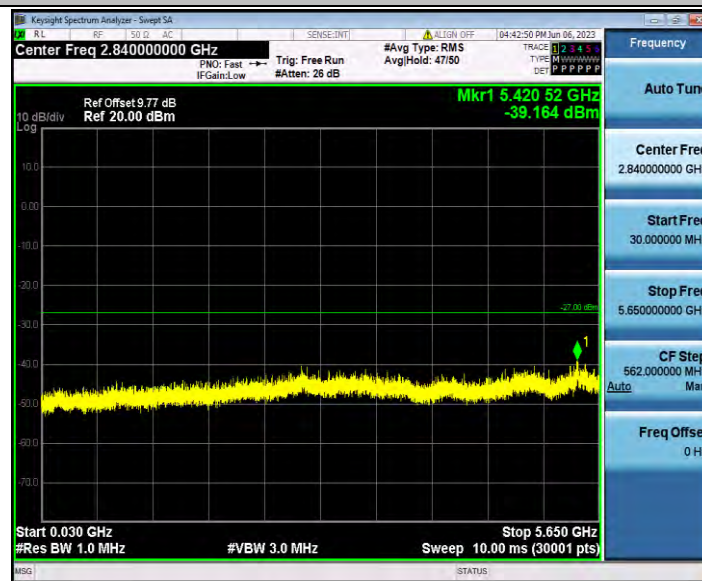
11N20SISO_Ant1_5745_5925-40000



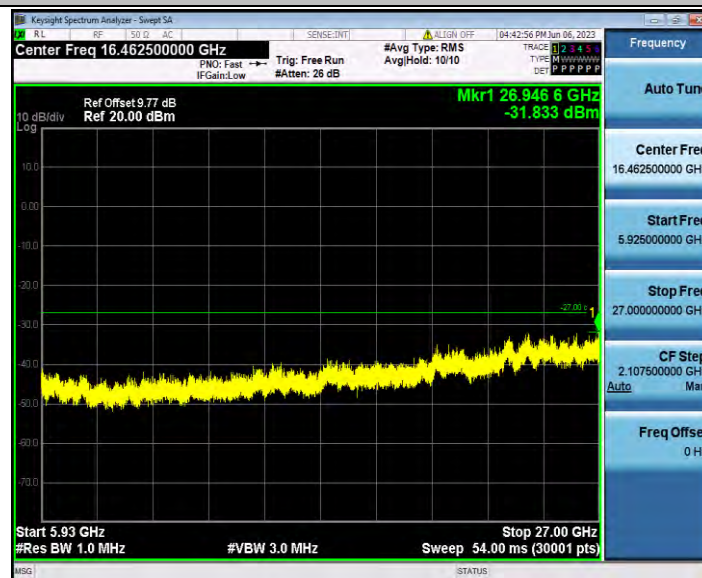
11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~40000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~40000



11N40SISO_Ant1_5755_30~5650



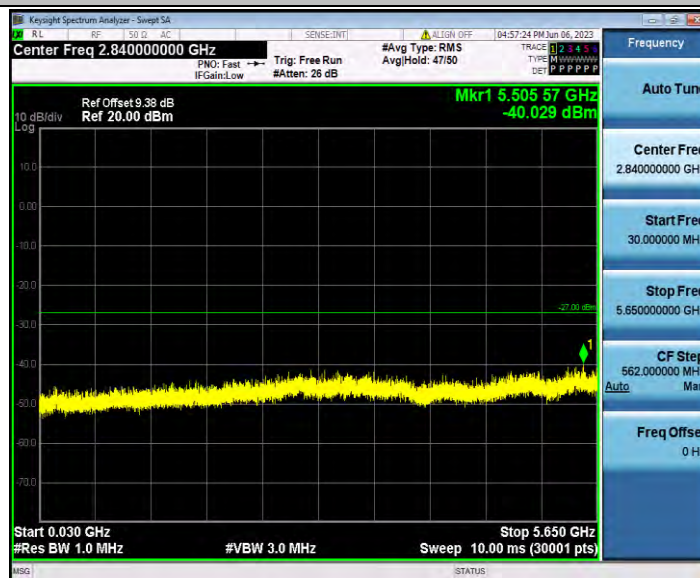
11N40SISO_Ant1_5755_5925~40000



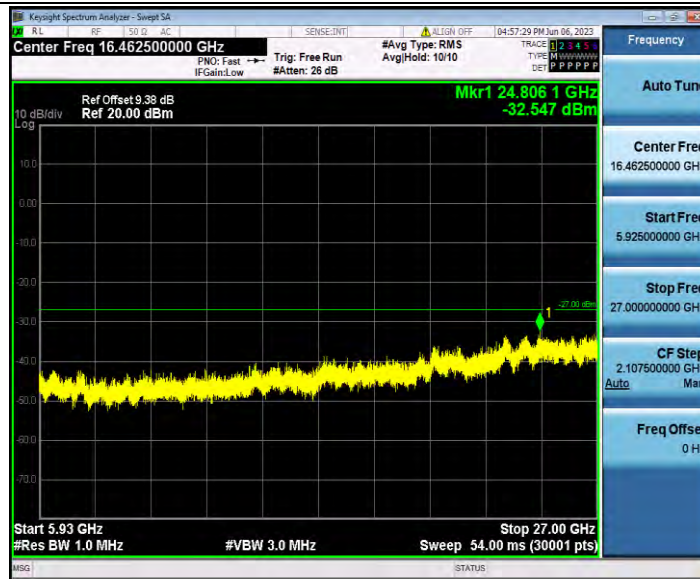
11N40SISO_Ant1_5795_30~5650



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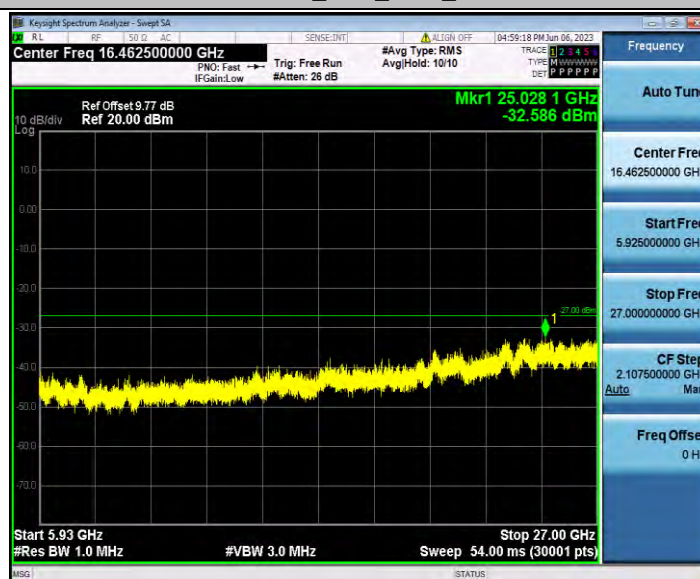
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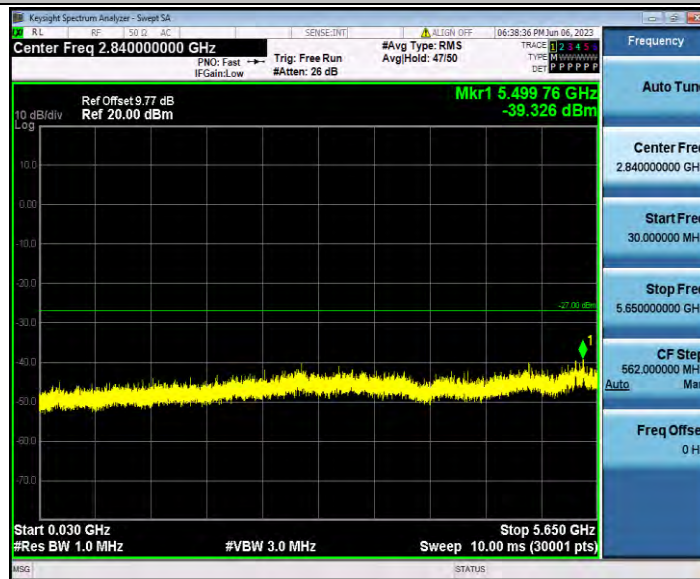
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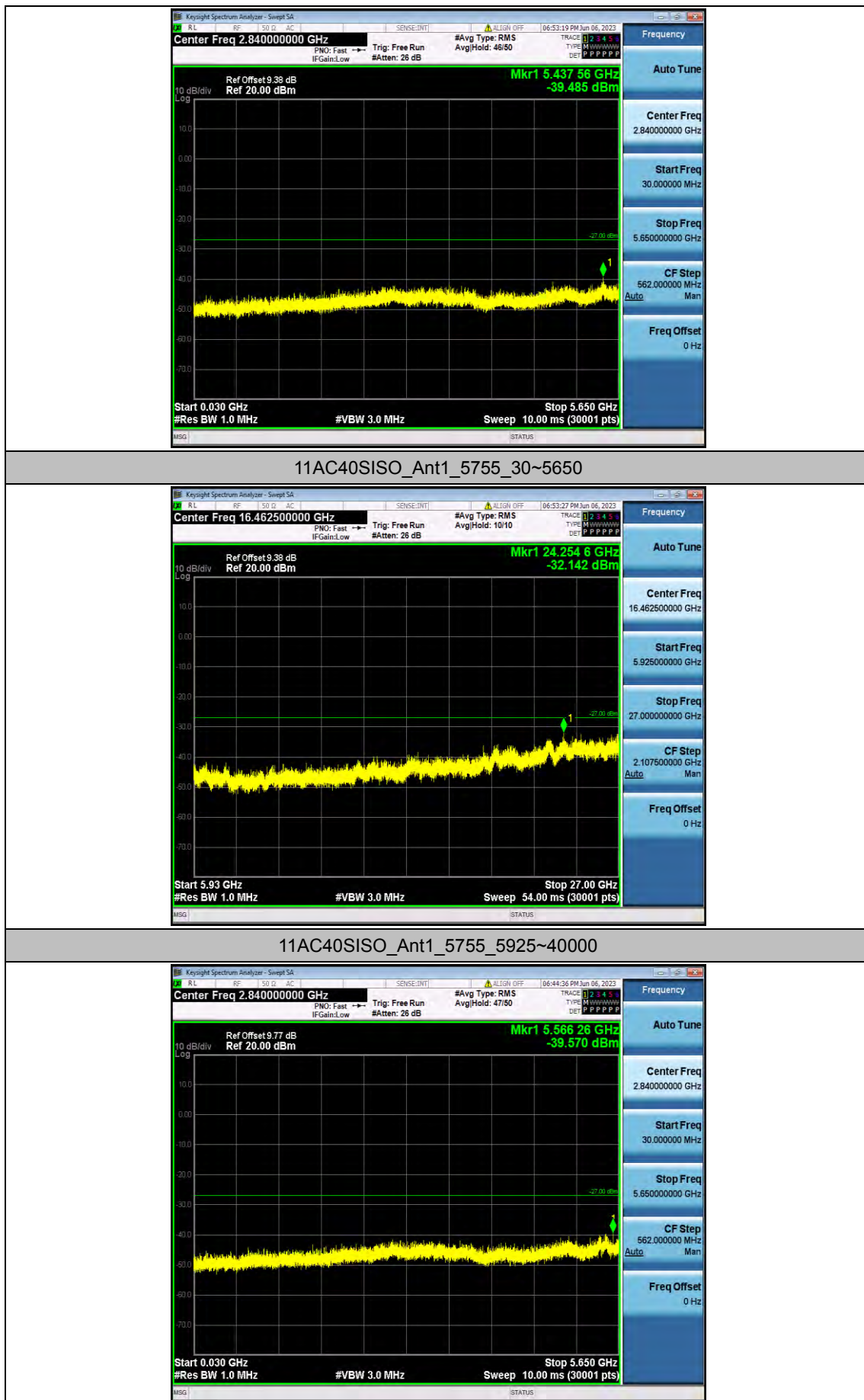
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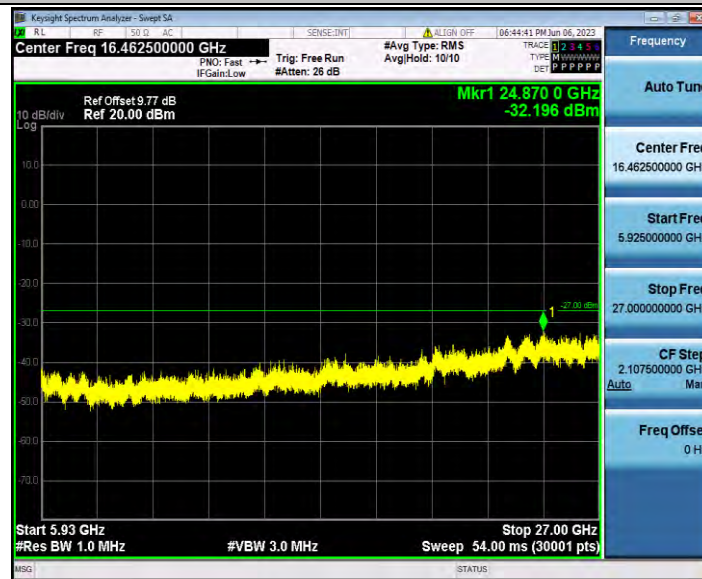
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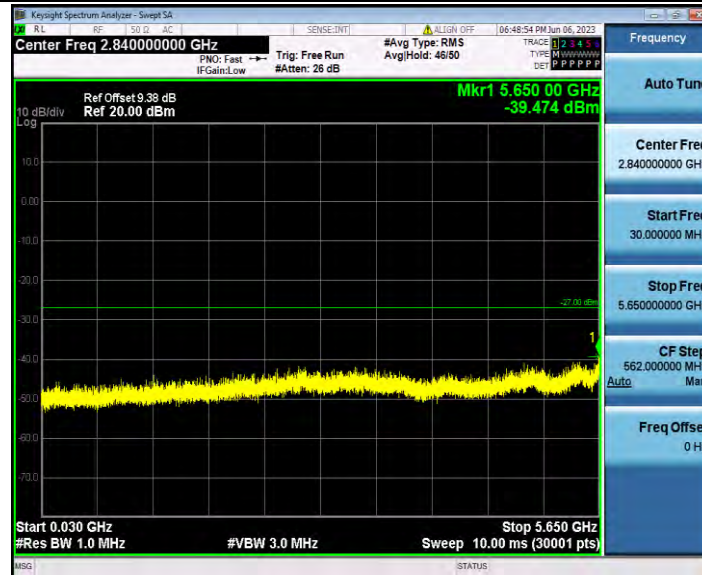
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11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650

