

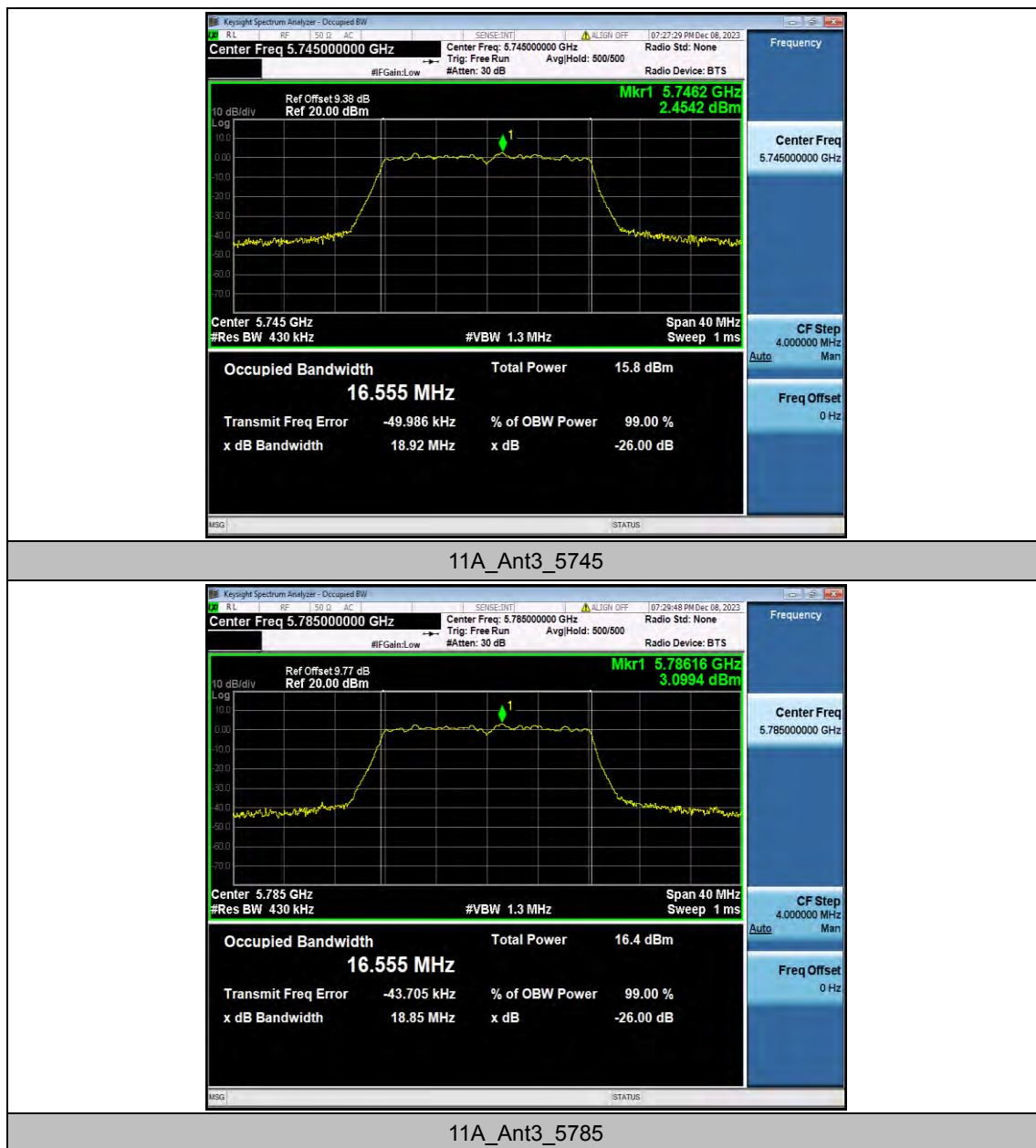
Case No. : <u>GTS20231012003-1-11</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.8</u>	Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Occupied channel bandwidth

Test Result

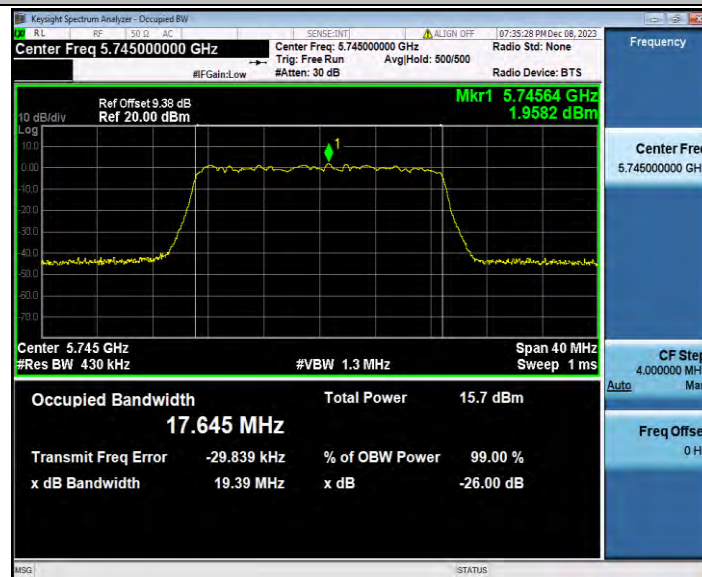
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5745	16.555	5736.673	5753.228	---	---
		5785	16.555	5776.679	5793.234	---	---
		5825	16.550	5816.695	5833.245	---	---
11N20SISO	Ant3	5745	17.645	5736.148	5753.793	---	---
		5785	17.638	5776.155	5793.793	---	---
		5825	17.638	5816.167	5833.805	---	---
11N40SISO	Ant3	5755	36.292	5736.806	5773.098	---	---
		5795	36.251	5776.807	5813.058	---	---
11AC20SISO	Ant3	5745	17.722	5736.087	5753.809	---	---
		5785	17.717	5776.097	5793.814	---	---
		5825	17.709	5816.117	5833.826	---	---
11AC40SISO	Ant3	5755	36.283	5736.821	5773.104	---	---
		5795	36.252	5776.816	5813.068	---	---
11AC80SISO	Ant3	5775	77.076	5736.392	5813.468	---	---

Test Graphs

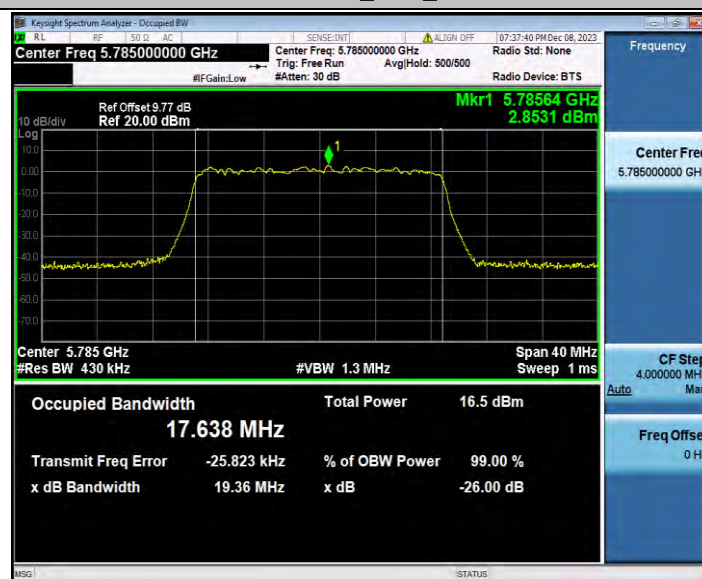




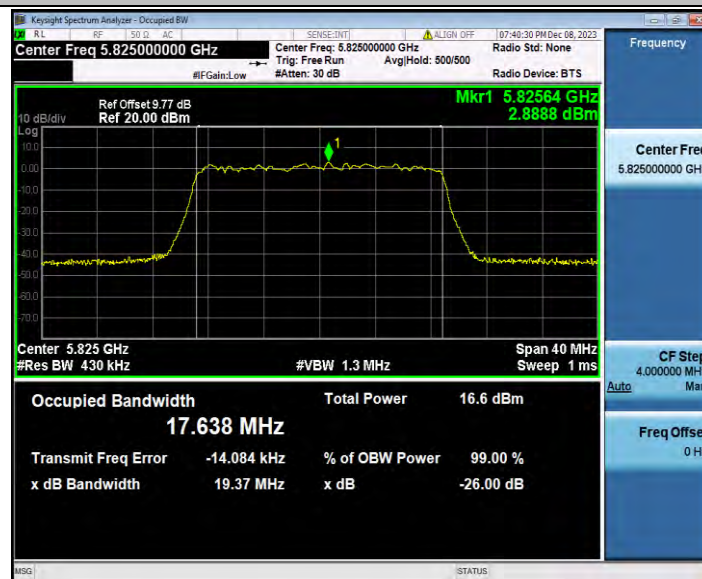
11A_Ant3_5825



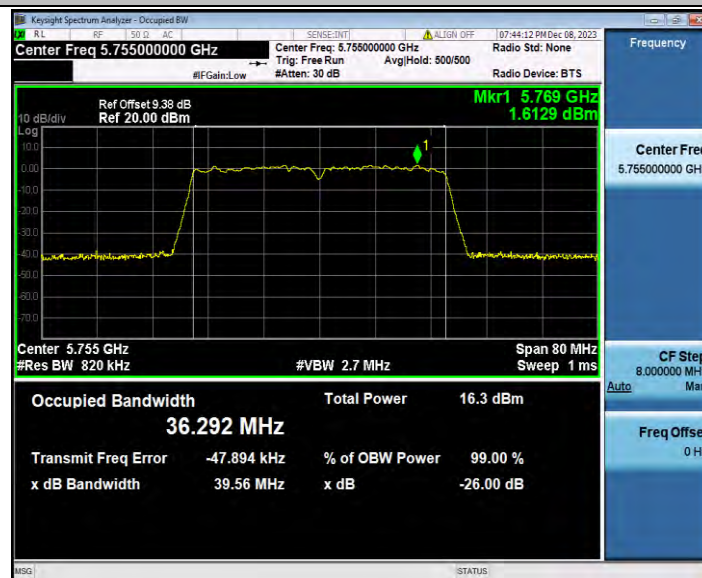
11N20SISO_Ant3_5745



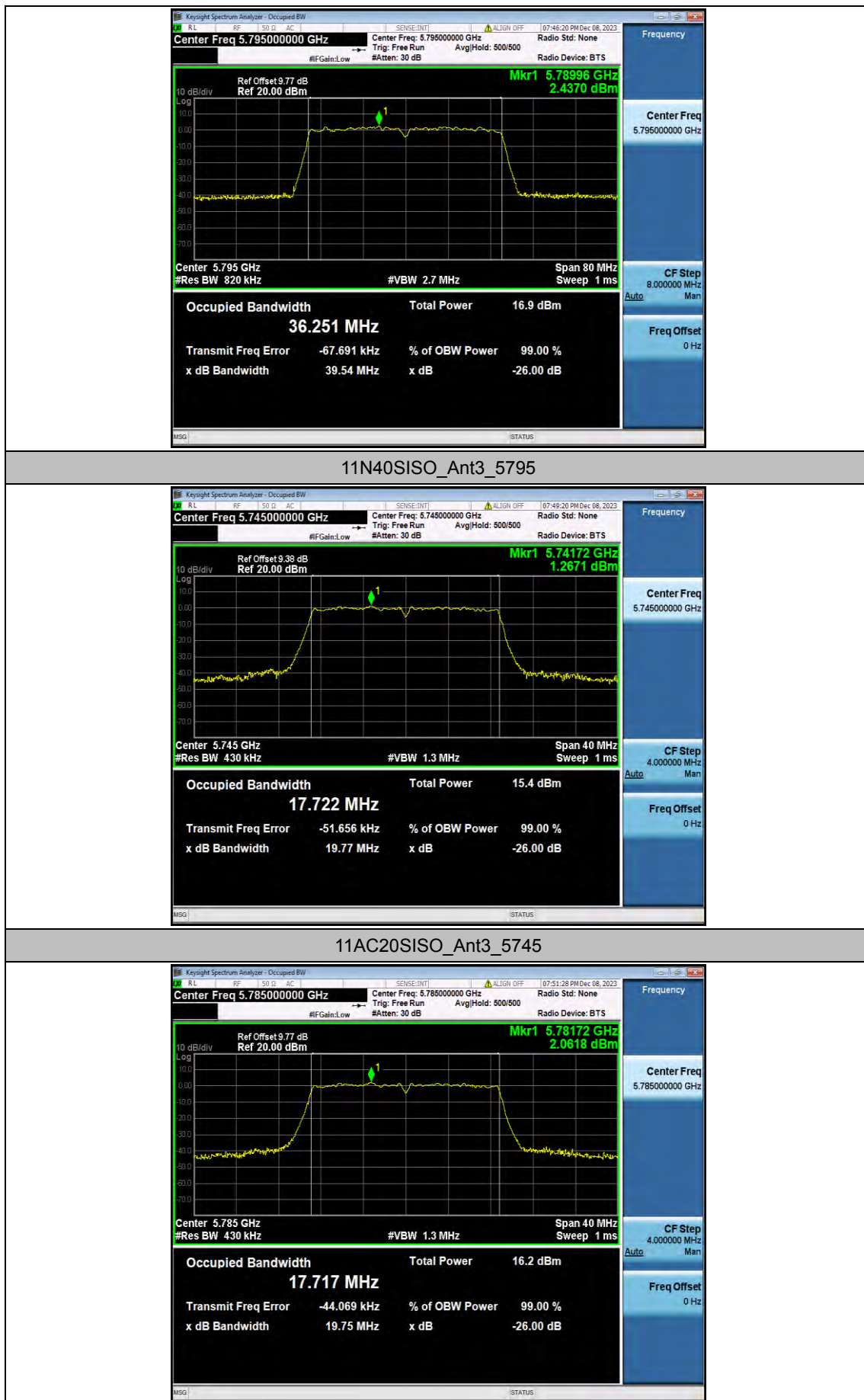
11N20SISO_Ant3_5785



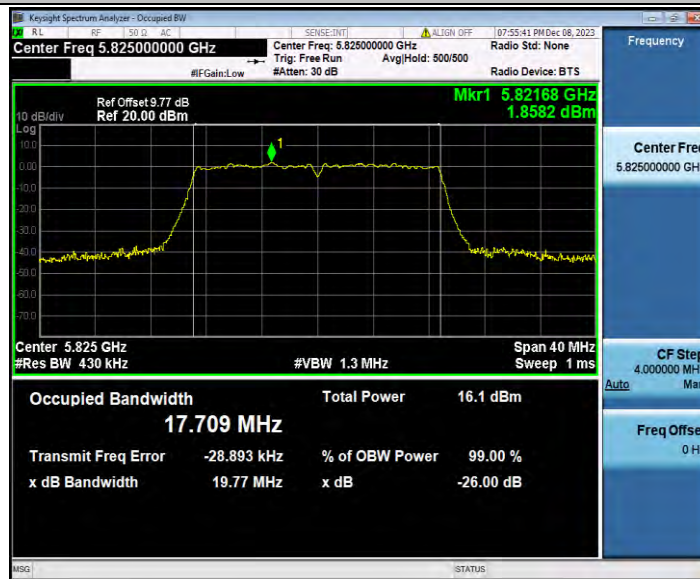
11N20SISO_Ant3_5825



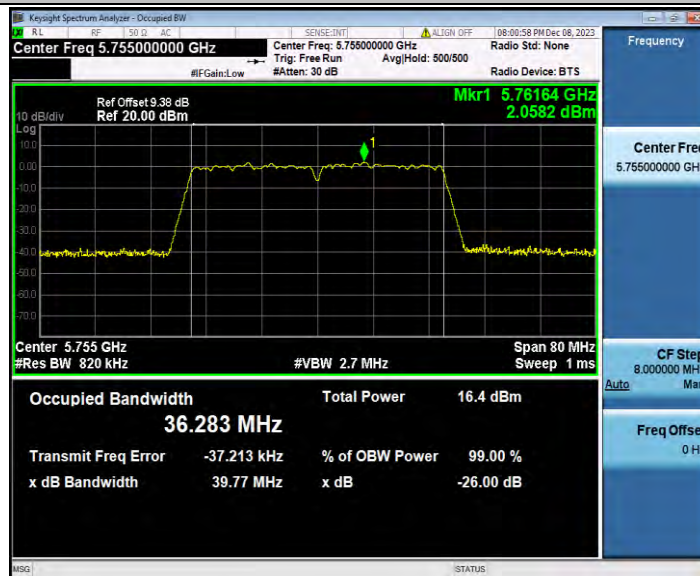
11N40SISO_Ant3_5755



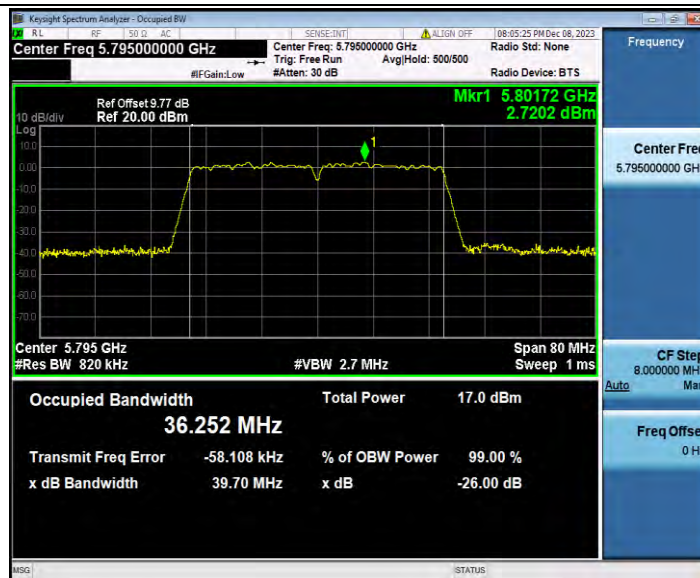
11AC20SISO_Ant3_5785



11AC20SISO_Ant3_5825



11AC40SISO_Ant3_5755



11AC40SISO_Ant3_5795



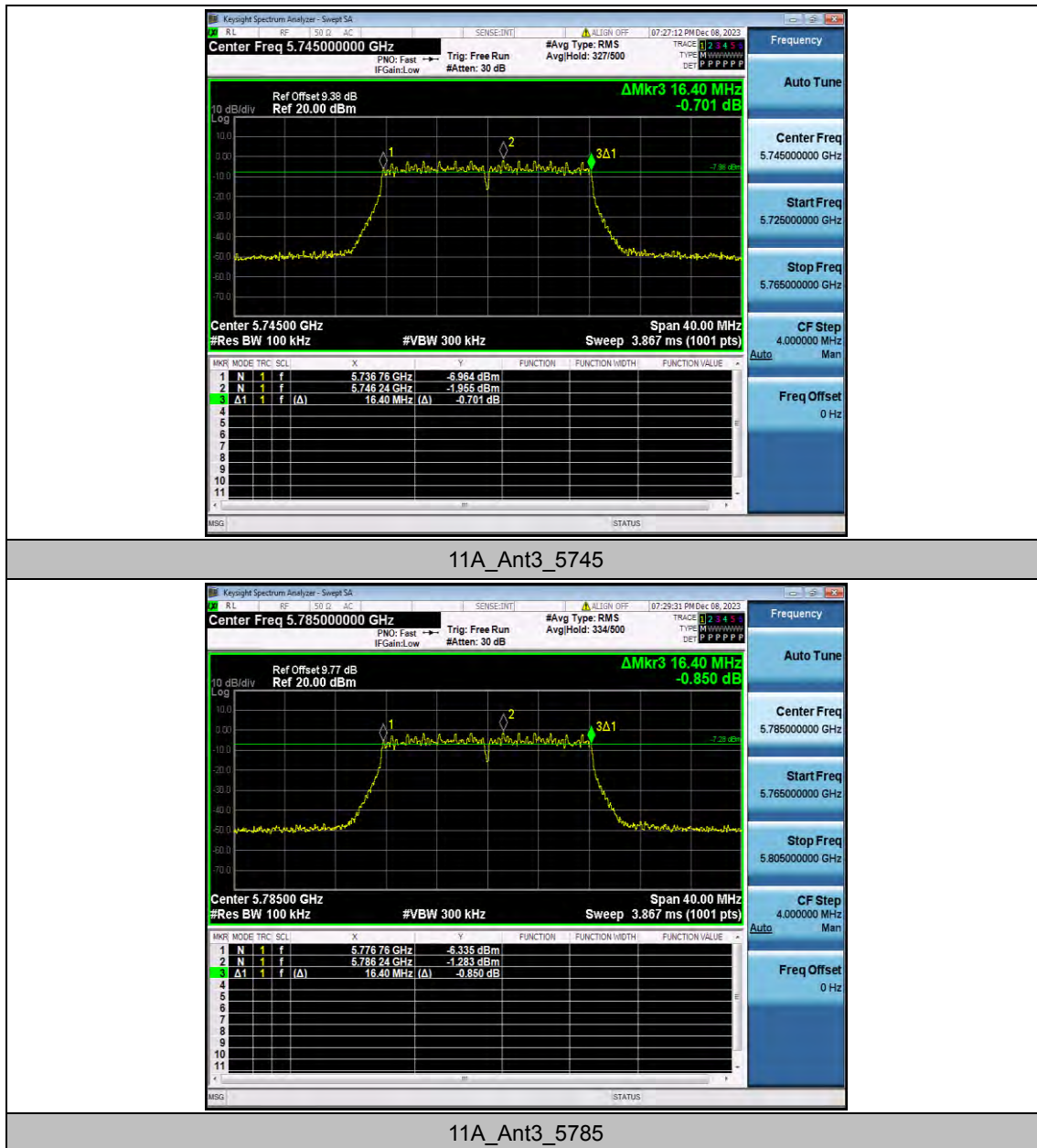
11AC80SISO_Ant3_5775

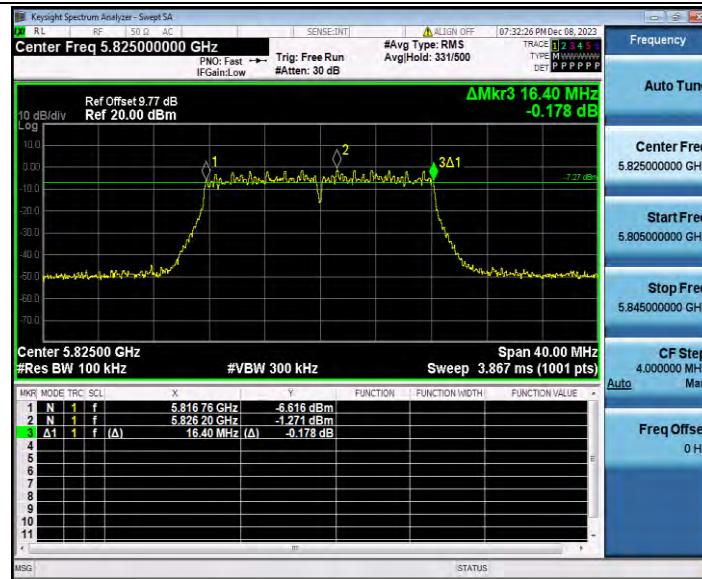
Appendix E.2: Min emission bandwidth

Test Result B4

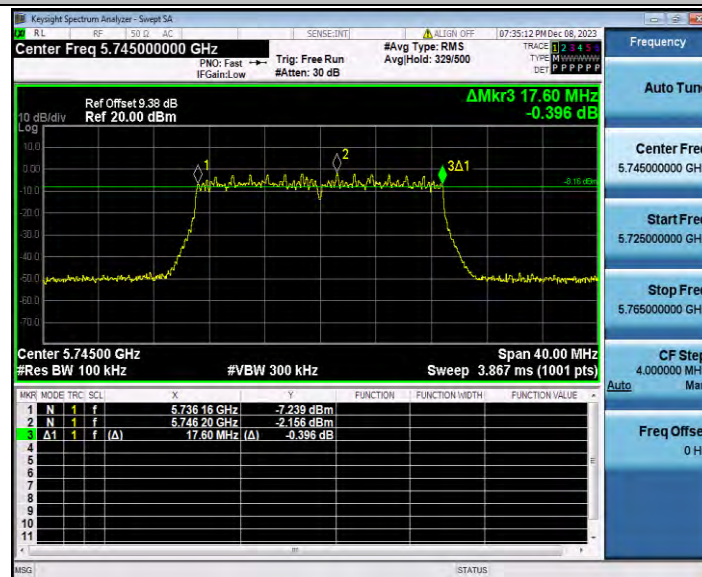
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant3	5745	16.400	5736.760	5753.160	0.5	PASS
		5785	16.400	5776.760	5793.160	0.5	PASS
		5825	16.400	5816.760	5833.160	0.5	PASS
11N20SISO	Ant3	5745	17.600	5736.160	5753.760	0.5	PASS
		5785	17.640	5776.160	5793.800	0.5	PASS
		5825	17.640	5816.160	5833.800	0.5	PASS
11N40SISO	Ant3	5755	36.000	5736.840	5772.840	0.5	PASS
		5795	36.000	5776.840	5812.840	0.5	PASS
11AC20SISO	Ant3	5745	17.520	5736.160	5753.680	0.5	PASS
		5785	17.520	5776.160	5793.680	0.5	PASS
		5825	17.520	5816.200	5833.720	0.5	PASS
11AC40SISO	Ant3	5755	35.840	5736.760	5772.600	0.5	PASS
		5795	35.760	5776.760	5812.520	0.5	PASS
11AC80SISO	Ant3	5775	76.320	5736.760	5813.080	0.5	PASS

Test Graphs B4

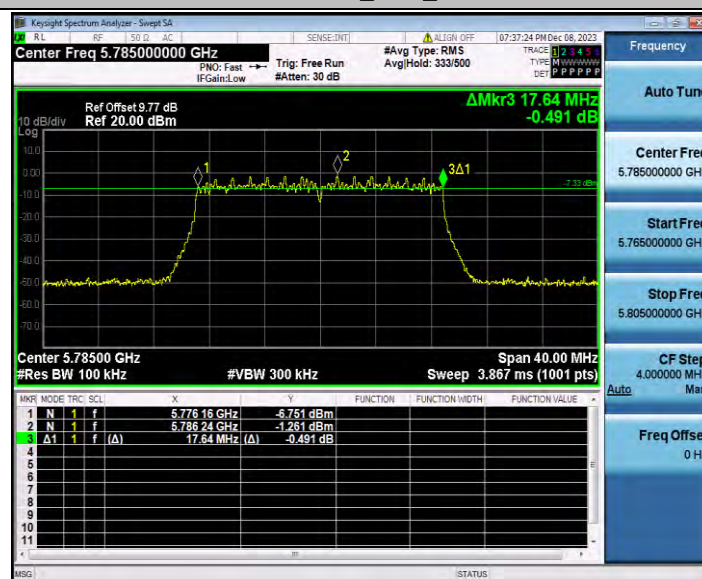




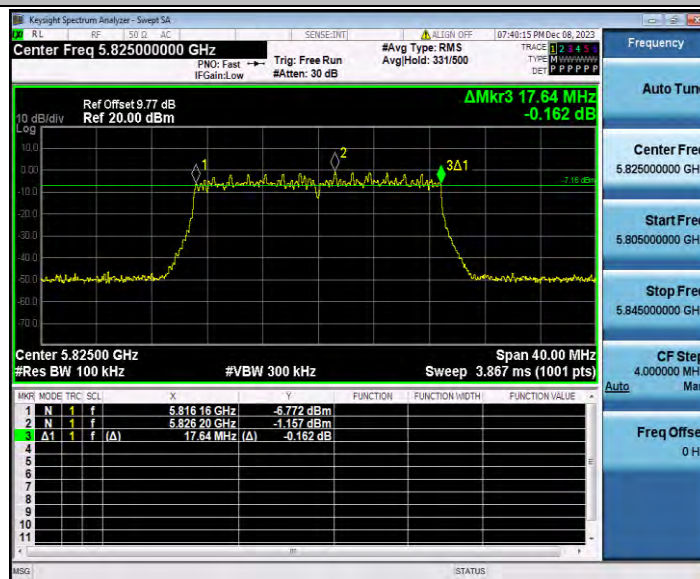
11A_Ant3_5825



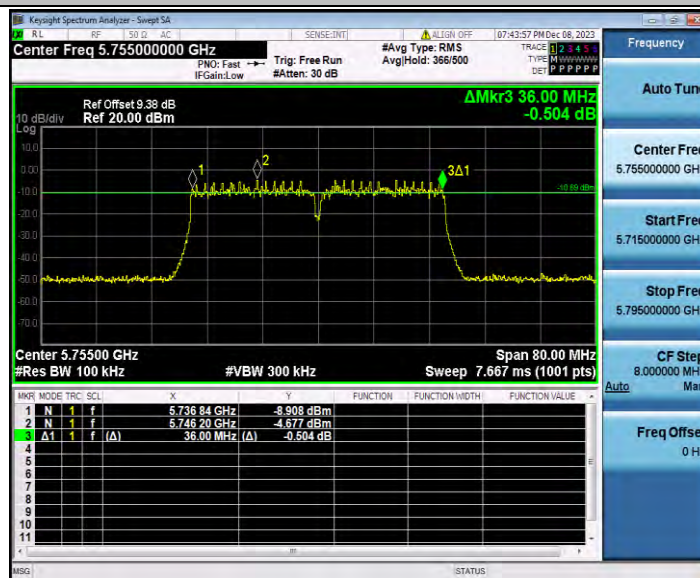
11N20SISO_Ant3_5745



11N20SISO_Ant3_5785



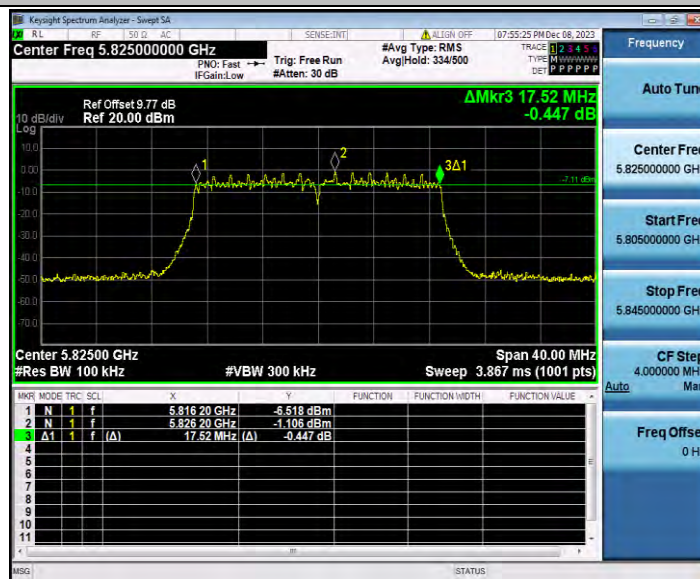
11N20SISO_Ant3_5825



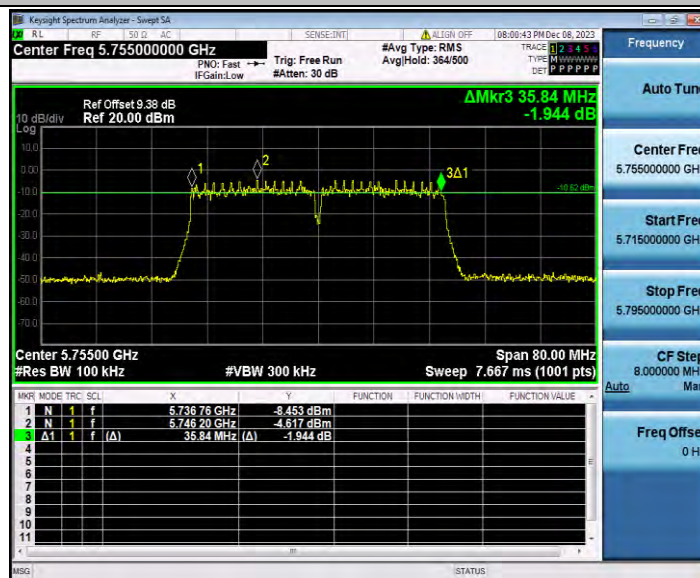
11N40SISO_Ant3_5755



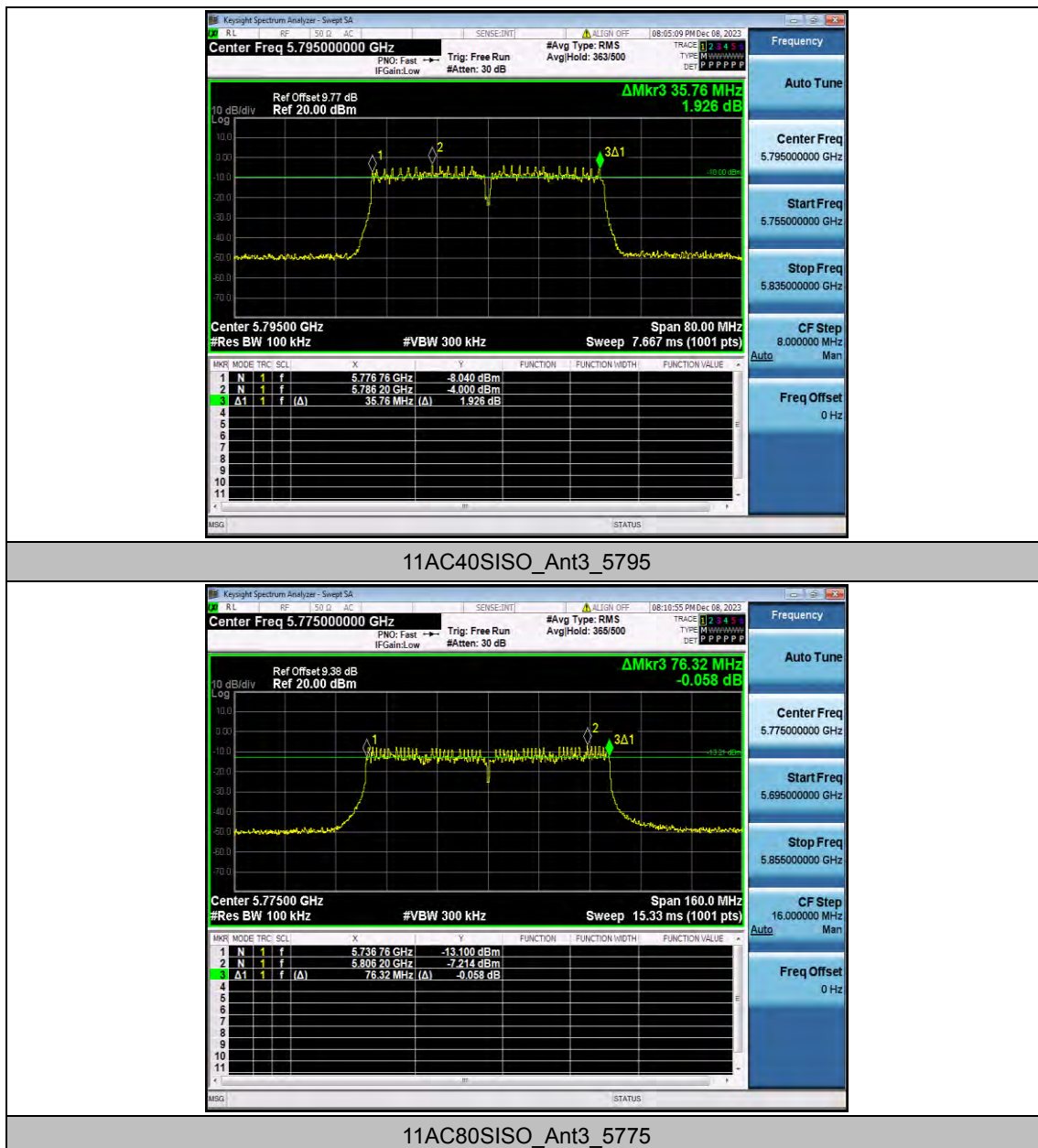
11AC20SISO_Ant3_5785



11AC20SISO_Ant3_5825



11AC40SISO_Ant3_5755

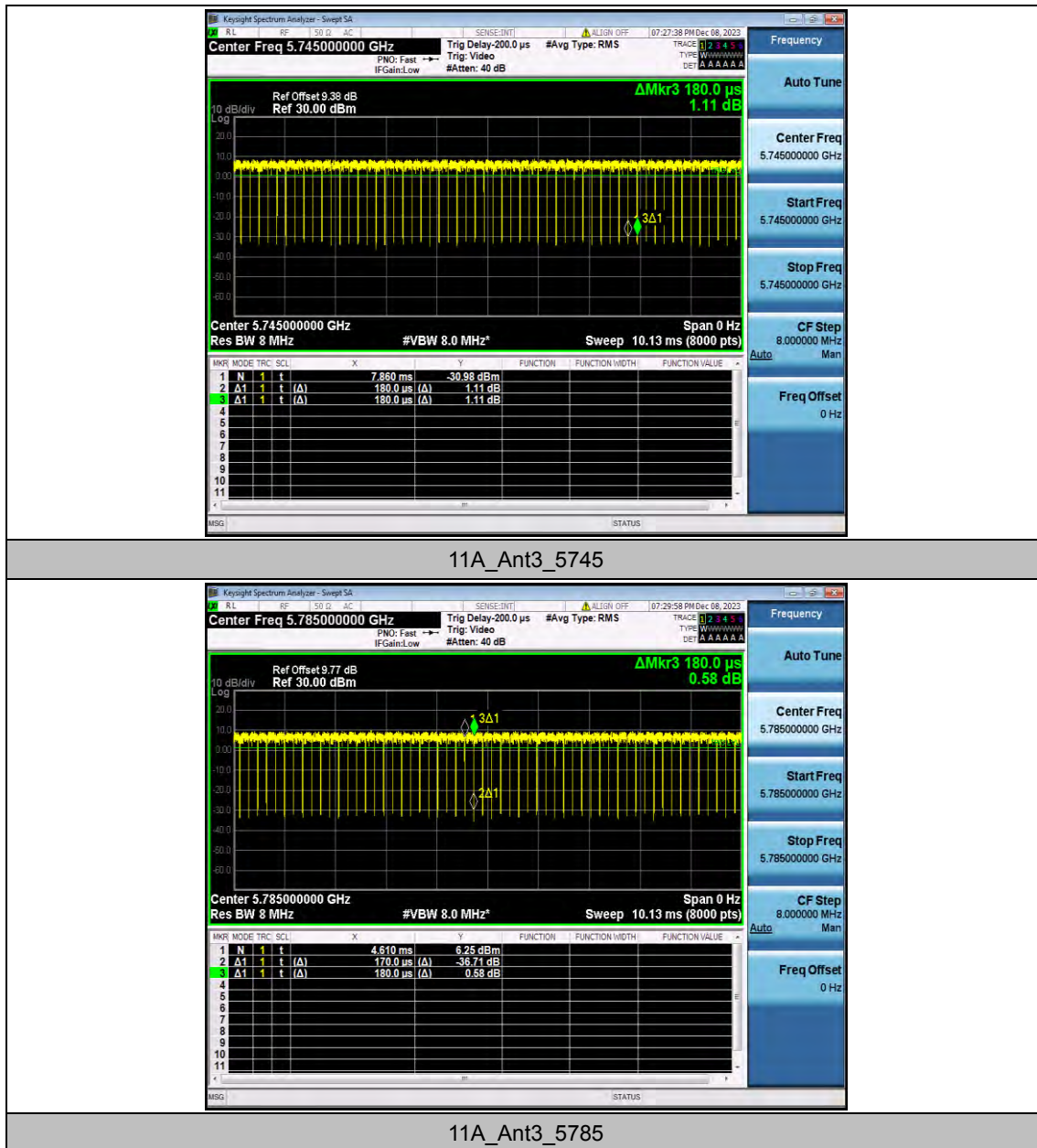


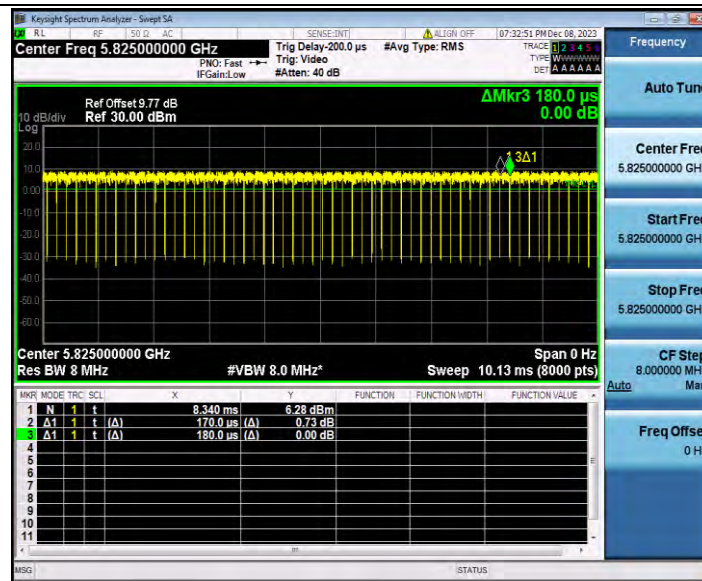
Appendix E.3: Duty Cycle

Test Result

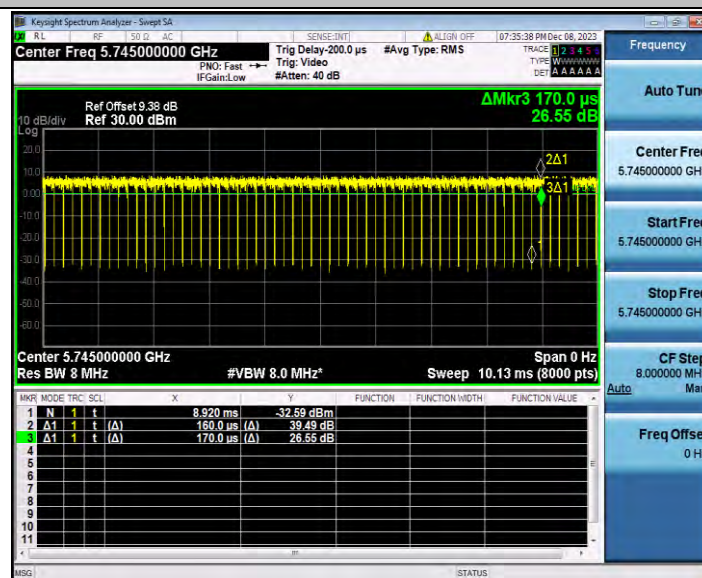
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant3	5745	0.18	0.18	100.00
		5785	0.17	0.18	94.44
		5825	0.17	0.18	94.44
11N20SISO	Ant3	5745	0.16	0.17	94.12
		5785	0.16	0.17	94.12
		5825	0.16	0.16	100.00
11N40SISO	Ant3	5755	0.09	0.10	90.00
		5795	0.09	0.10	90.00
11AC20SISO	Ant3	5745	0.13	0.14	92.86
		5785	0.14	0.15	93.33
		5825	0.14	0.15	93.33
11AC40SISO	Ant3	5755	0.09	0.10	90.00
		5795	0.09	0.10	90.00
11AC80SISO	Ant3	5775	0.06	0.07	85.71

Test Graphs

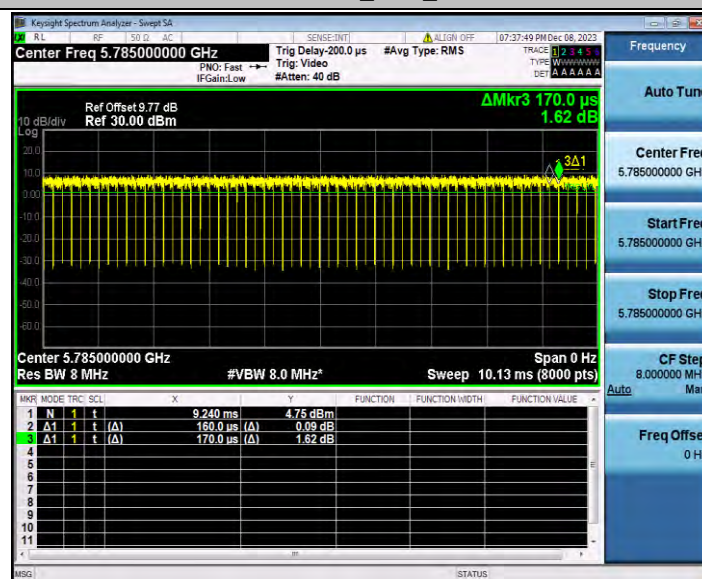


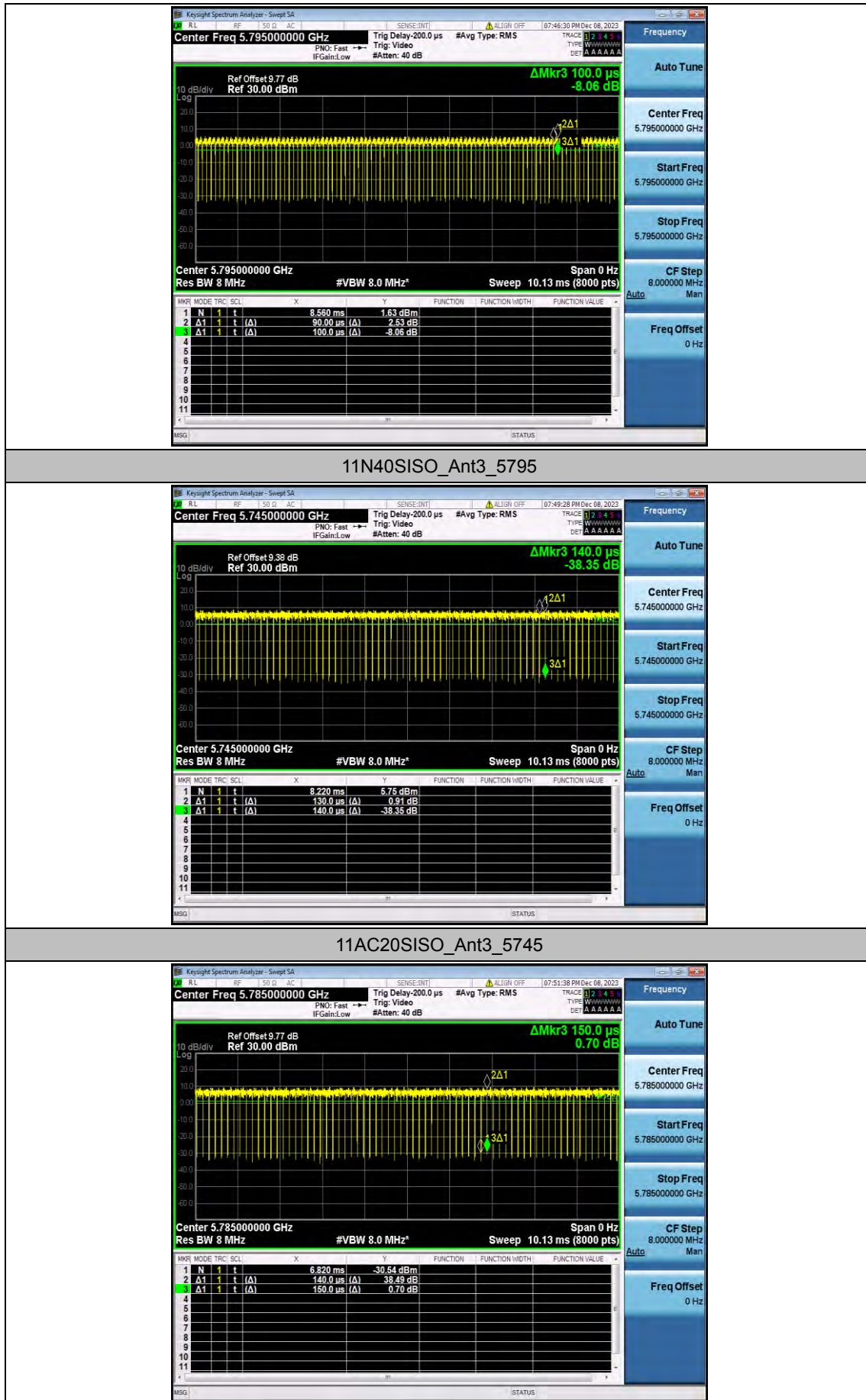


11A_Ant3_5825

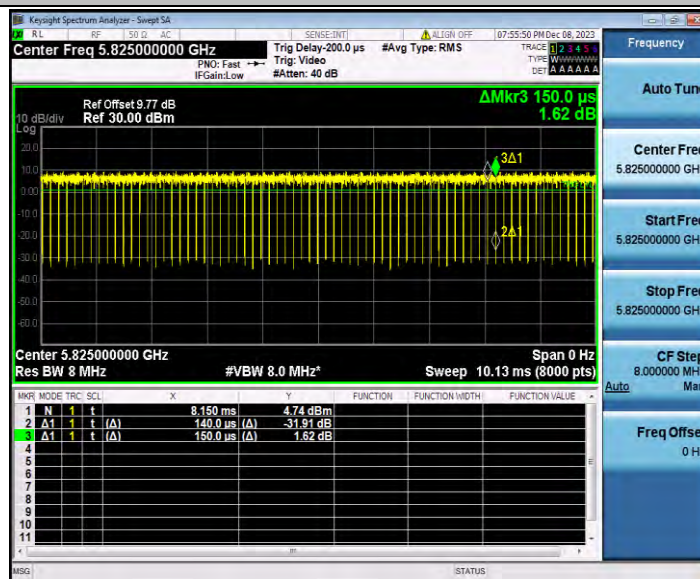


11N20SISO_Ant3_5745

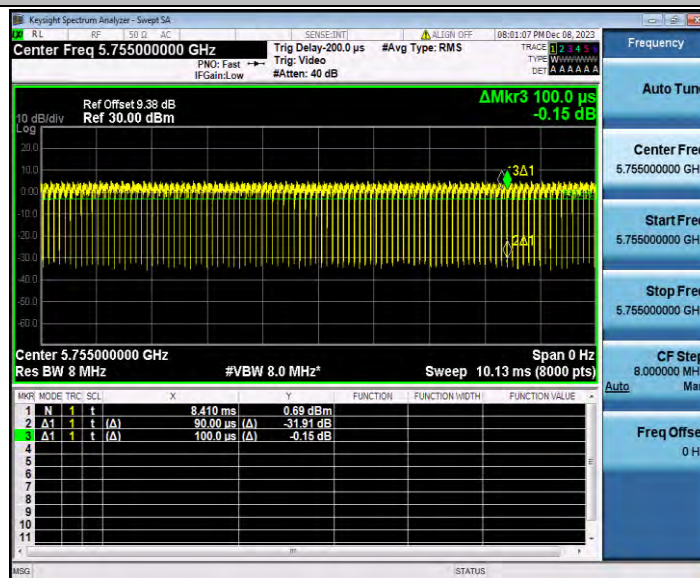




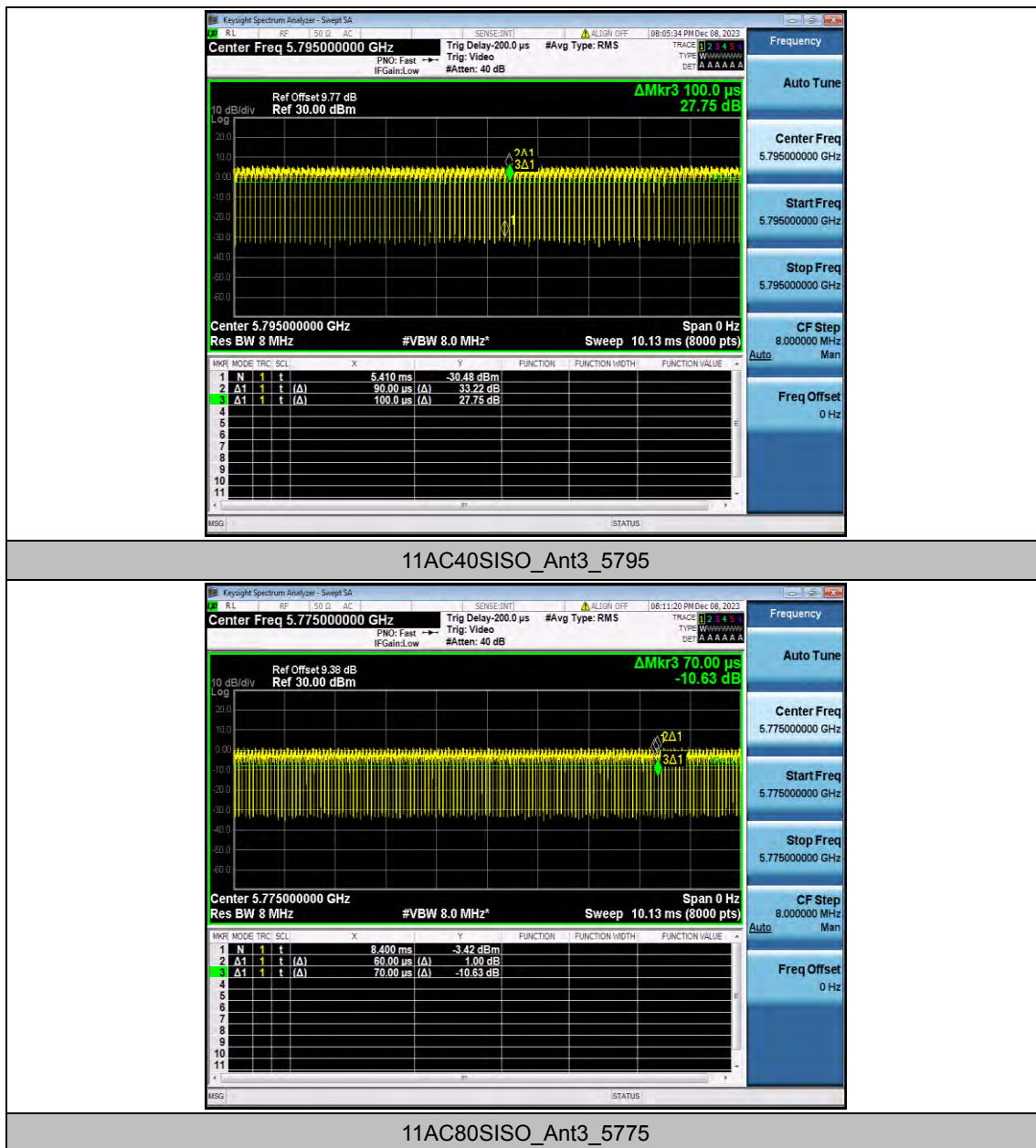
11AC20SISO_Ant3_5785



11AC20SISO_Ant3_5825



11AC40SISO_Ant3_5755



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant3	5745	8.80	100.00	0.00	8.80	≤30.00	PASS
		5785	9.41	94.44	0.25	9.66	≤30.00	PASS
		5825	9.43	94.44	0.25	9.68	≤30.00	PASS
11N20SISO	Ant3	5745	8.72	94.12	0.26	8.98	≤30.00	PASS
		5785	9.53	94.12	0.26	9.79	≤30.00	PASS
		5825	9.62	100.00	0.00	9.62	≤30.00	PASS
11N40SISO	Ant3	5755	9.03	90.00	0.46	9.49	≤30.00	PASS
		5795	9.69	90.00	0.46	10.15	≤30.00	PASS
11AC20SISO	Ant3	5745	8.85	92.86	0.32	9.17	≤30.00	PASS
		5785	9.61	93.33	0.30	9.91	≤30.00	PASS
		5825	9.62	93.33	0.30	9.92	≤30.00	PASS
11AC40SISO	Ant3	5755	8.83	90.00	0.46	9.29	≤30.00	PASS
		5795	9.53	90.00	0.46	9.99	≤30.00	PASS
11AC80SISO	Ant3	5775	9.08	85.71	0.67	9.75	≤30.00	PASS

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

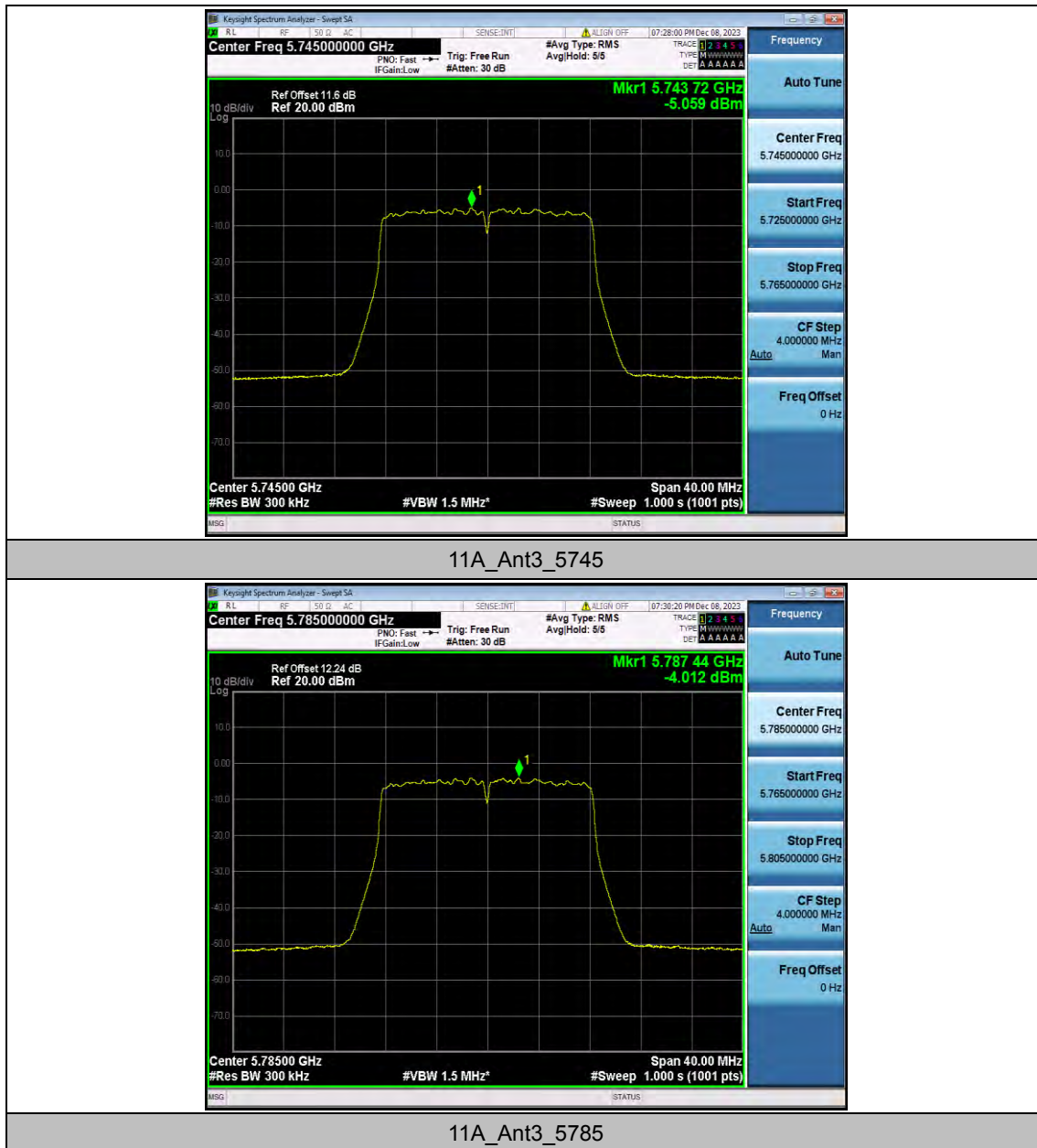
Appendix E.5: Maximum power spectral density

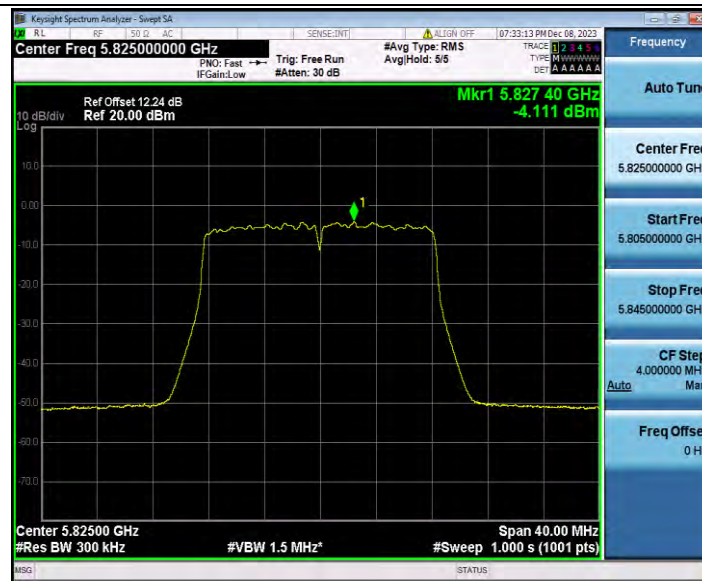
Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant3	5745	-5.06	≤30.00	PASS
		5785	-4.01	≤30.00	PASS
		5825	-4.11	≤30.00	PASS
11N20SISO	Ant3	5745	-4.38	≤30.00	PASS
		5785	-3.56	≤30.00	PASS
		5825	-4.06	≤30.00	PASS
11N40SISO	Ant3	5755	-6.74	≤30.00	PASS
		5795	-6.17	≤30.00	PASS
11AC20SISO	Ant3	5745	-4.49	≤30.00	PASS
		5785	-3.72	≤30.00	PASS
		5825	-4.03	≤30.00	PASS
11AC40SISO	Ant3	5755	-6.4	≤30.00	PASS
		5795	-5.5	≤30.00	PASS
11AC80SISO	Ant3	5775	-8.9	≤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

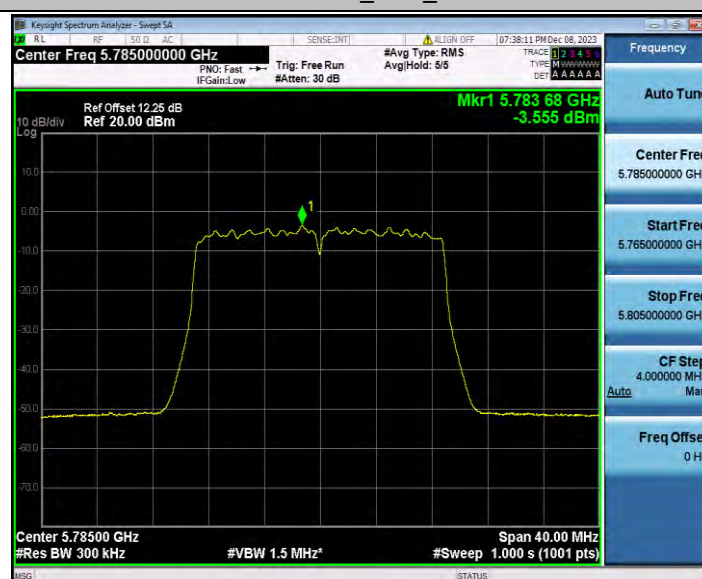




11A_Ant3_5825



11N20SISO_Ant3_5745



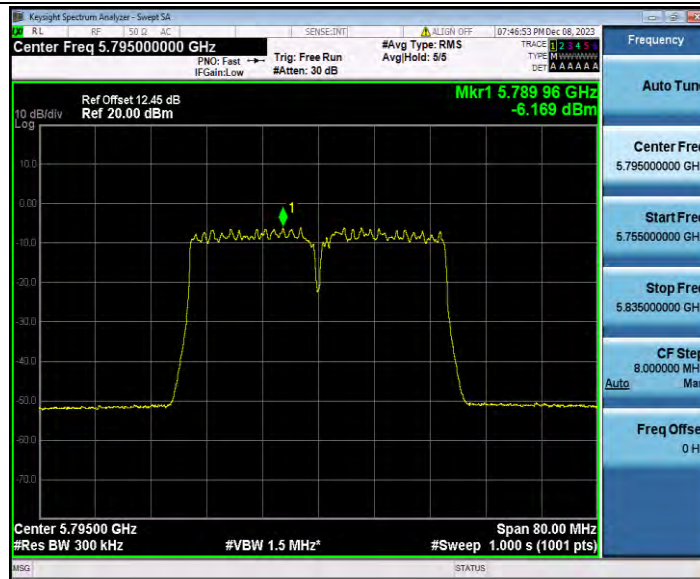
11N20SISO_Ant3_5785



11N20SISO_Ant3_5825



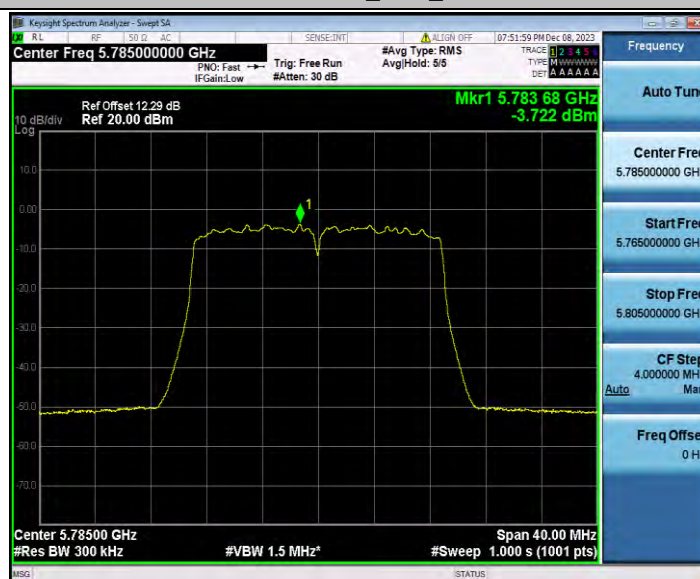
11N40SISO_Ant3_5755



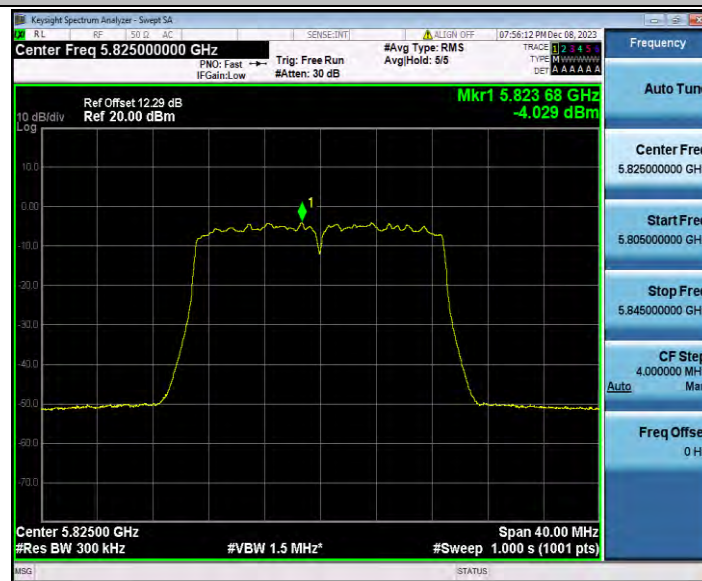
11N40SISO_Ant3_5795



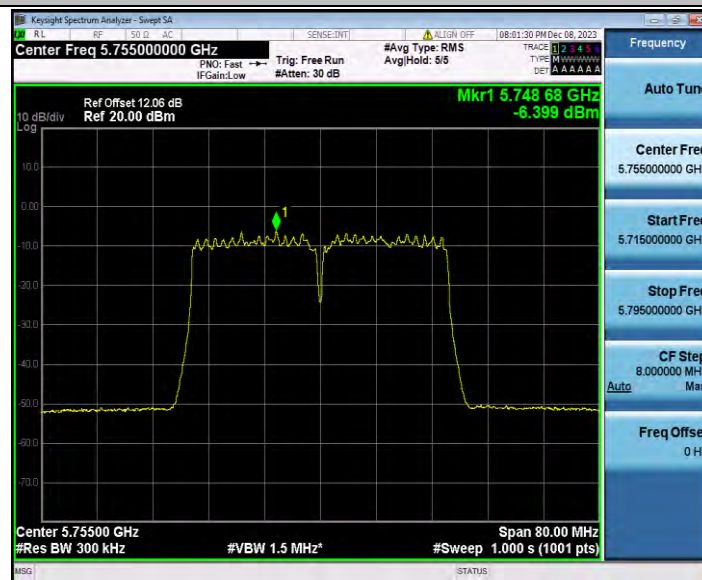
11AC20SISO_Ant3_5745



11AC20SISO_Ant3_5785



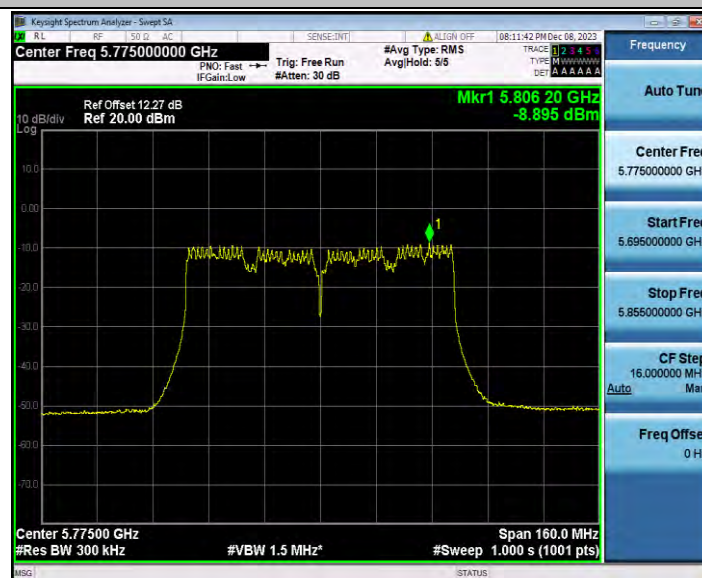
11AC20SISO_Ant3_5825



11AC40SISO_Ant3_5755



11AC40SISO_Ant3_5795



11AC80SISO_Ant3_5775

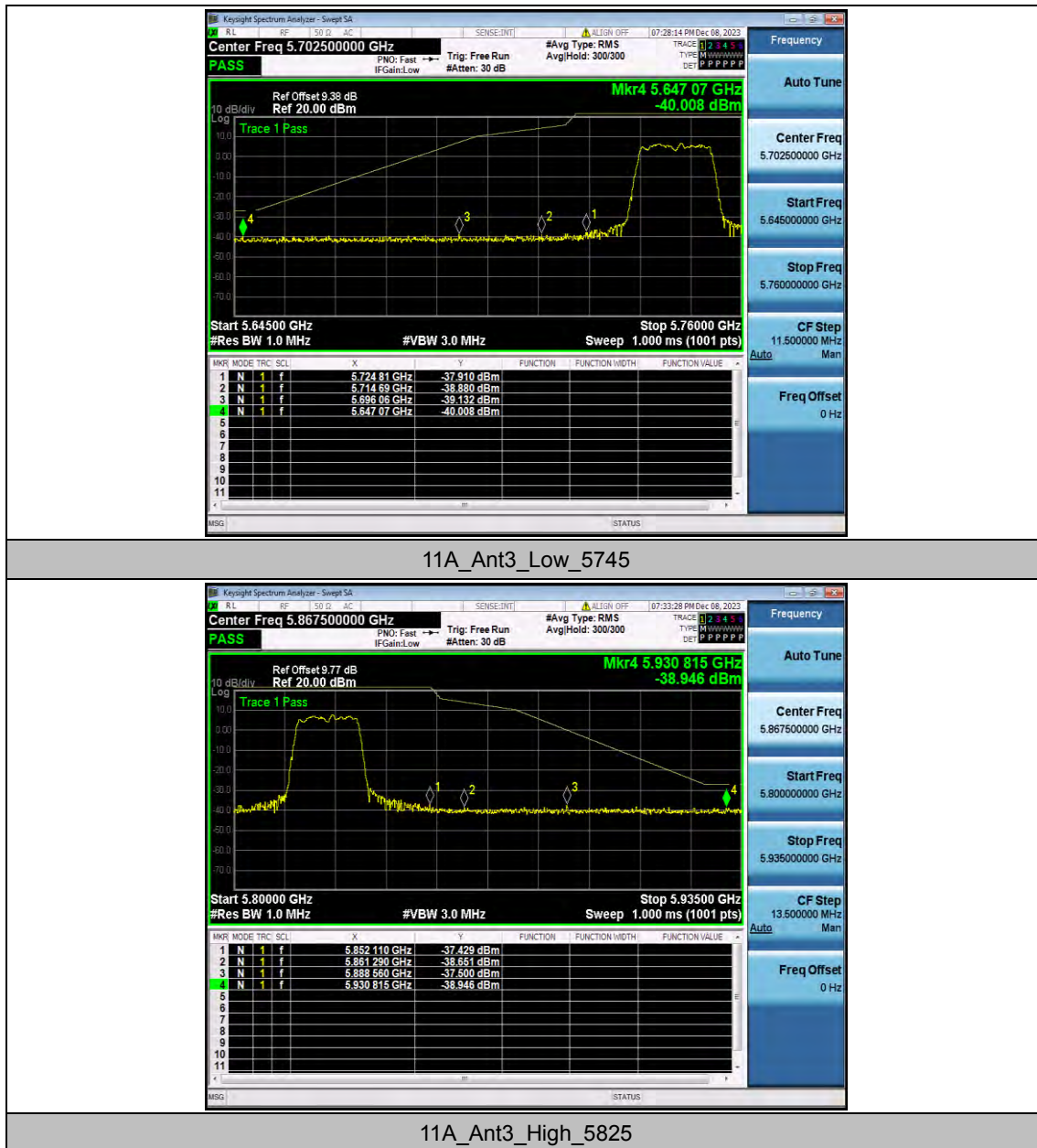
Appendix E.6: Band edge measurements

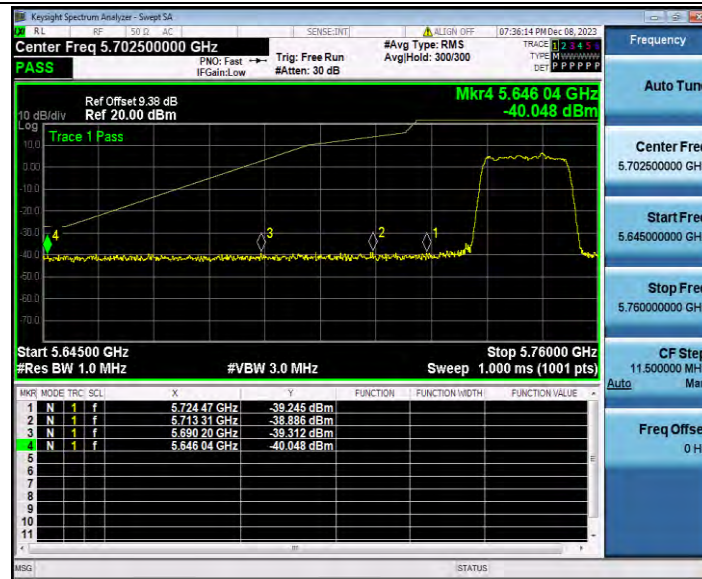
Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant3	Low	5745	5650~5700	-39.13	≤7.08	PASS
				5700~5720	-38.88	≤14.11	PASS
				5720~5725	-37.91	≤26.57	PASS
				5760~5650	-40.01	≤-27	PASS
		High	5825	5850~5855	-37.43	≤20.41	PASS
				5855~5875	-38.65	≤11.76	PASS
				5875~5925	-37.5	≤-16.97	PASS
				5925~5935	-38.95	≤-27	PASS
11N20SISO	Ant3	Low	5745	5650~5700	-39.31	≤2.74	PASS
				5700~5720	-38.89	≤13.73	PASS
				5720~5725	-39.25	≤25.78	PASS
				5760~5650	-40.05	≤-27	PASS
		High	5825	5850~5855	-38.4	≤17.03	PASS
				5855~5875	-38.64	≤12.40	PASS
				5875~5925	-37.81	≤-20.26	PASS
				5925~5935	-38.57	≤-27	PASS
11N40SISO	Ant3	Low	5755	5650~5700	-39.41	≤6.46	PASS
				5700~5720	-37.47	≤14.07	PASS
				5720~5725	-36.87	≤16.66	PASS
				5780~5650	-39.18	≤-27	PASS
		High	5795	5850~5855	-38.54	≤25.44	PASS
				5855~5875	-38.57	≤11.61	PASS
				5875~5925	-38.95	≤-19.84	PASS
				5925~5935	-38.46	≤-27	PASS
11AC20SISO	Ant3	Low	5745	5650~5700	-37.92	≤-2.36	PASS
				5700~5720	-38.84	≤10.28	PASS
				5720~5725	-38.39	≤26.04	PASS
				5760~5650	-40.31	≤-27	PASS
		High	5825	5850~5855	-37.98	≤26.26	PASS
				5855~5875	-38.33	≤10.25	PASS
				5875~5925	-37.51	≤1.42	PASS
				5925~5935	-38.34	≤-27	PASS
11AC40SISO	Ant3	Low	5755	5650~5700	-39.25	≤9.16	PASS
				5700~5720	-37.47	≤15.20	PASS
				5720~5725	-38.1	≤25.59	PASS

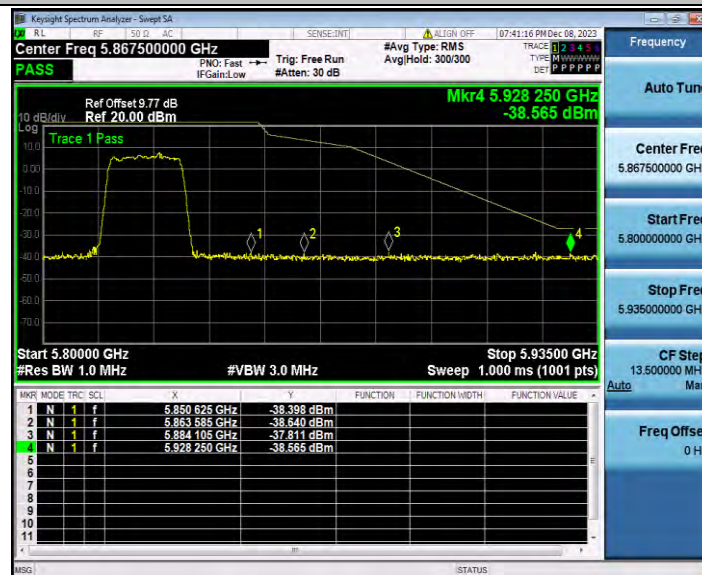
		High	5795	5780~5650	-39.55	≤ -27	PASS
				5850~5855	-38.59	≤ 25.06	PASS
				5855~5875	-38.6	≤ 12.07	PASS
				5875~5925	-38.04	≤ 4.82	PASS
				5925~5935	-39.34	≤ -27	PASS
11AC80SI SO	Ant3	Low	5775	5650~5700	-38.49	≤ -2.37	PASS
				5700~5720	-37.39	≤ 15.43	PASS
				5720~5725	-36.99	≤ 24.13	PASS
				5800~5650	-39.84	≤ -27	PASS
		High	5775	5850~5855	-37.59	≤ 20.01	PASS
				5855~5875	-37.48	≤ 10.02	PASS
				5875~5925	-39.05	≤ -20.66	PASS
				5925~5935	-38.54	≤ -27	PASS

Test Graphs B4

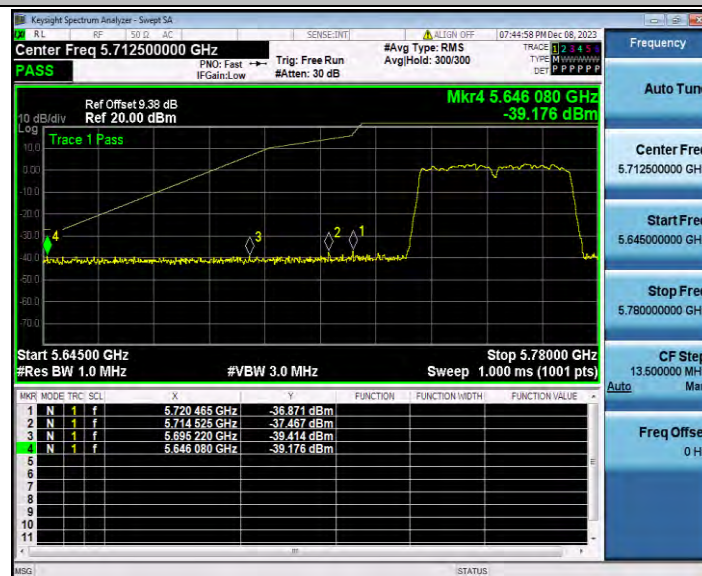




11N20SISO_Ant3_Low_5745



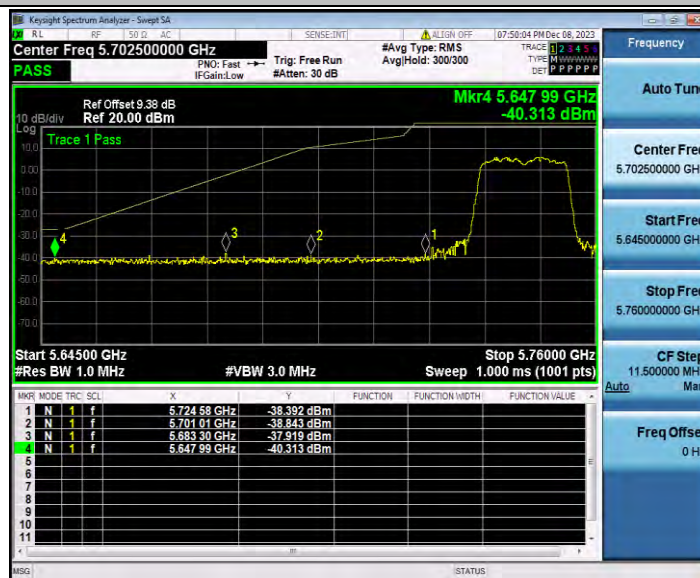
11N20SISO_Ant3_High_5825



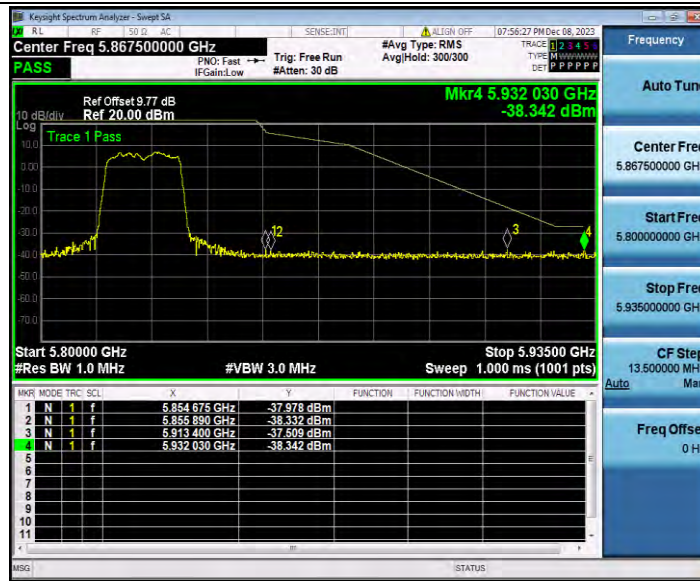
11N40SISO_Ant3_Low_5755



11N40SISO_Ant3_High_5795



11AC20SISO_Ant3_Low_5745



11AC20SISO_Ant3_High_5825



11AC40SISO_Ant3_Low_5755



11AC40SISO_Ant3_High_5795



11AC80SISO_Ant3_Low_5775



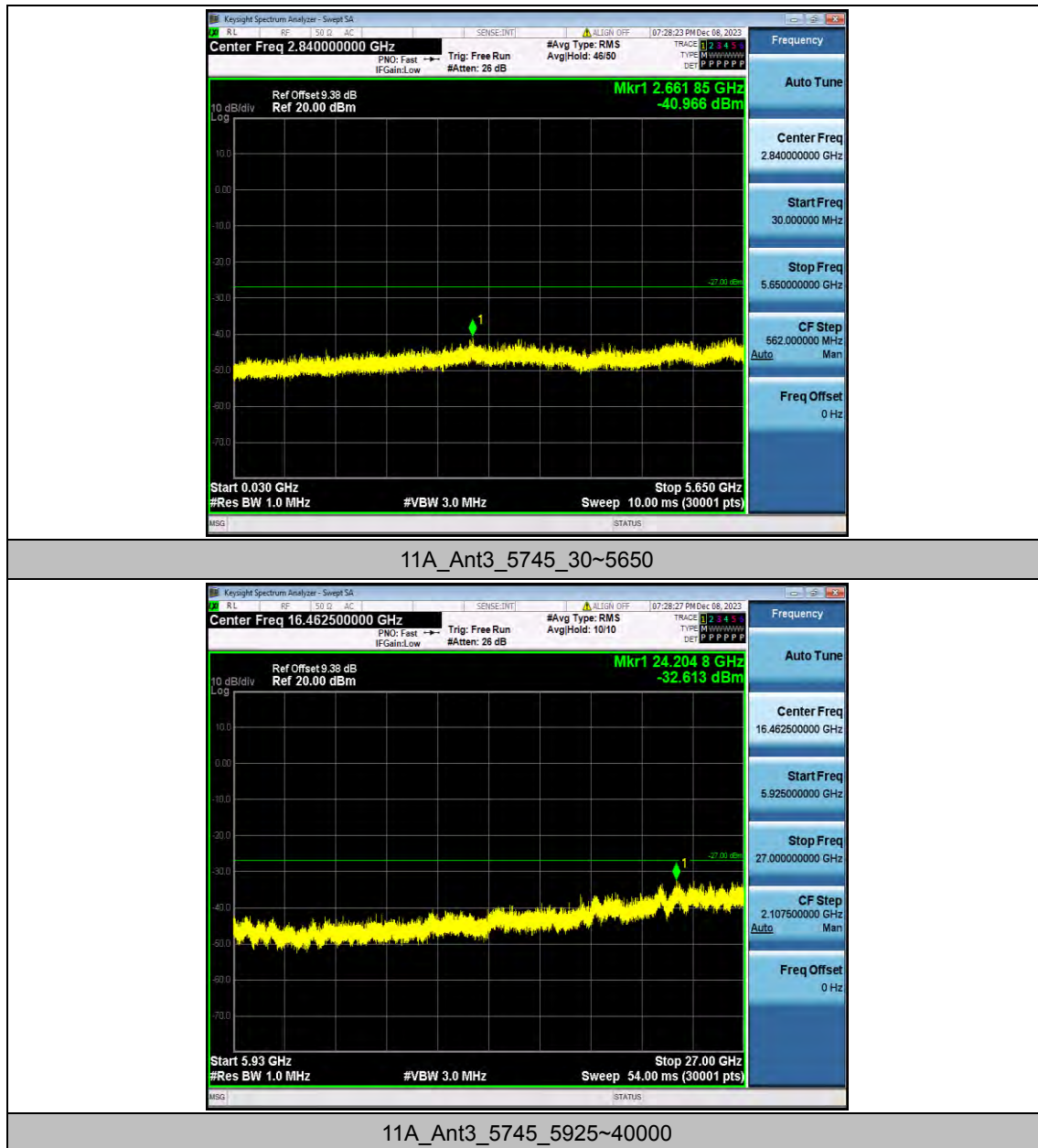
11AC80SISO_Ant3_High_5775

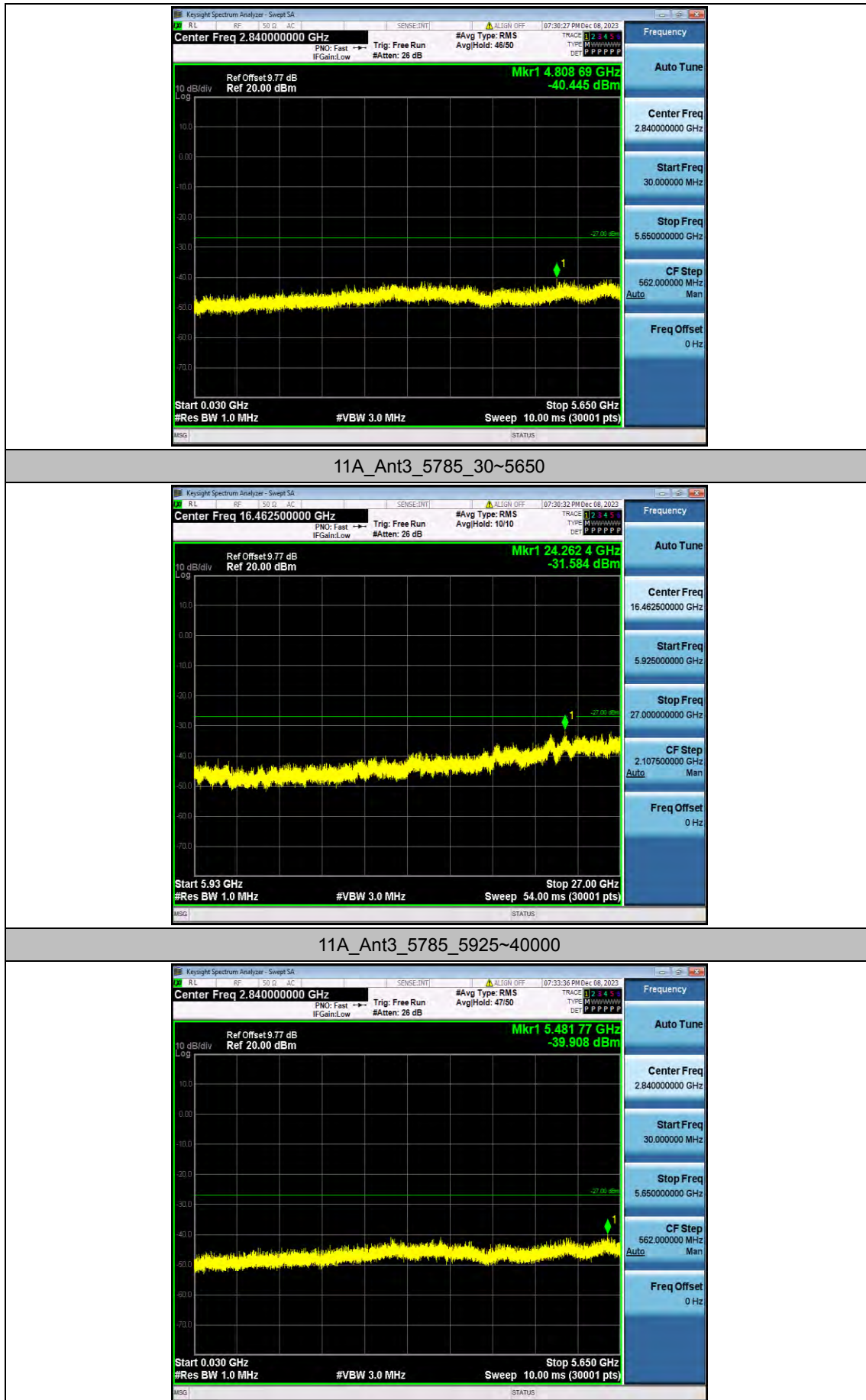
Appendix E.7: Conducted Spurious Emission

Test Result

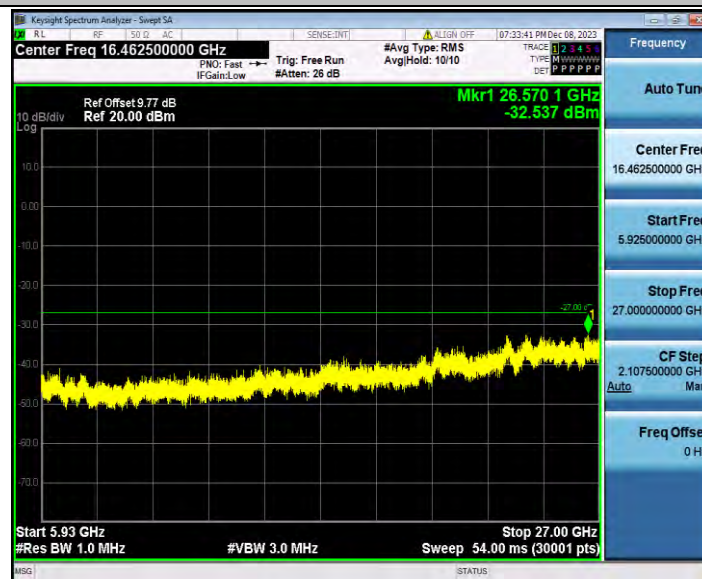
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant3	5745	30~5650	2661.85	-40.97	≤-27	PASS
			5925~40000	24204.75	-32.61	≤-27	PASS
		5785	30~5650	4808.69	-40.45	≤-27	PASS
			5925~40000	24262.36	-31.58	≤-27	PASS
		5825	30~5650	5481.77	-39.91	≤-27	PASS
			5925~40000	26570.07	-32.54	≤-27	PASS
11N20SISO	Ant3	5745	30~5650	5491.52	-41.03	≤-27	PASS
			5925~40000	26971.9	-32.54	≤-27	PASS
		5785	30~5650	5397.1	-40.38	≤-27	PASS
			5925~40000	26034.77	-31.24	≤-27	PASS
		5825	30~5650	5410.59	-40.31	≤-27	PASS
			5925~40000	24818.04	-32.14	≤-27	PASS
11N40SISO	Ant3	5755	30~5650	2534.46	-40.4	≤-27	PASS
			5925~40000	26953.64	-32.32	≤-27	PASS
		5795	30~5650	5465.1	-40.17	≤-27	PASS
			5925~40000	24203.35	-32.05	≤-27	PASS
11AC20SISO	Ant3	5745	30~5650	5369.56	-40.28	≤-27	PASS
			5925~40000	24855.97	-32.19	≤-27	PASS
		5785	30~5650	5511.94	-40.59	≤-27	PASS
			5925~40000	24294.67	-31.59	≤-27	PASS
		5825	30~5650	5012.13	-39.87	≤-27	PASS
			5925~40000	24280.62	-31.98	≤-27	PASS
11AC40SISO	Ant3	5755	30~5650	4944.13	-40.07	≤-27	PASS
			5925~40000	23571.1	-32.03	≤-27	PASS
		5795	30~5650	5642.32	-40.72	≤-27	PASS
			5925~40000	26471.72	-32.3	≤-27	PASS
11AC80SISO	Ant3	5775	30~5650	5328.72	-41.02	≤-27	PASS
			5925~40000	25240.24	-32.62	≤-27	PASS

Test Graphs





11A_Ant3_5825_30~5650



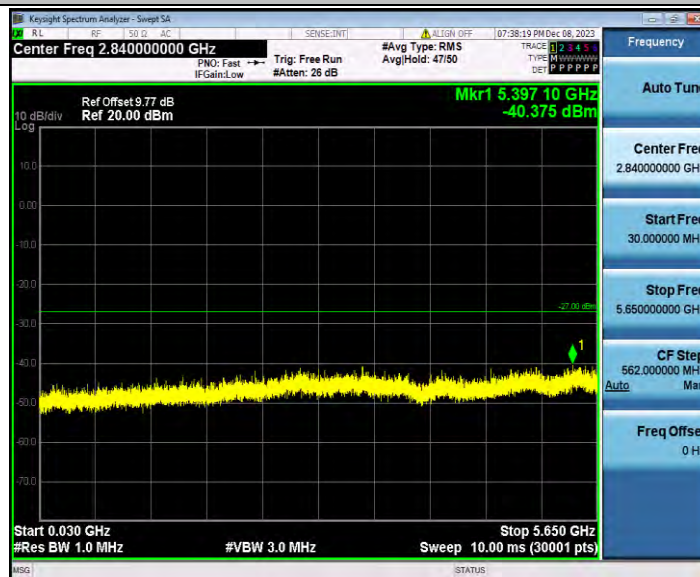
11A_Ant3_5825_5925~40000



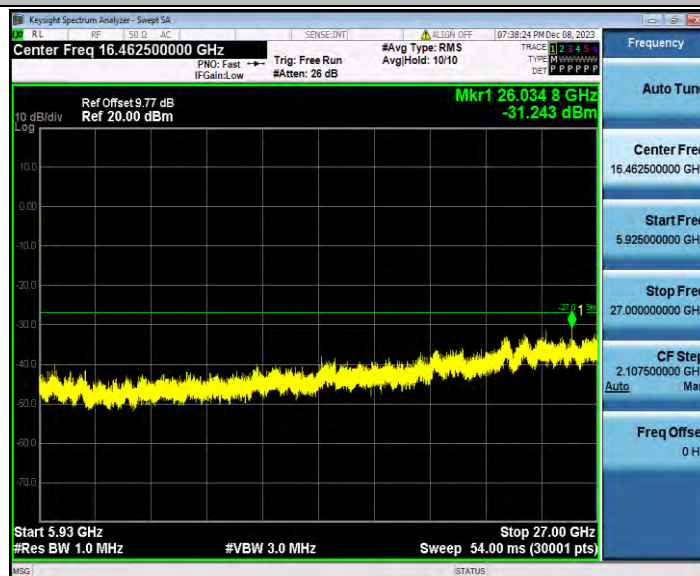
11N20SISO_Ant3_5745_30~5650



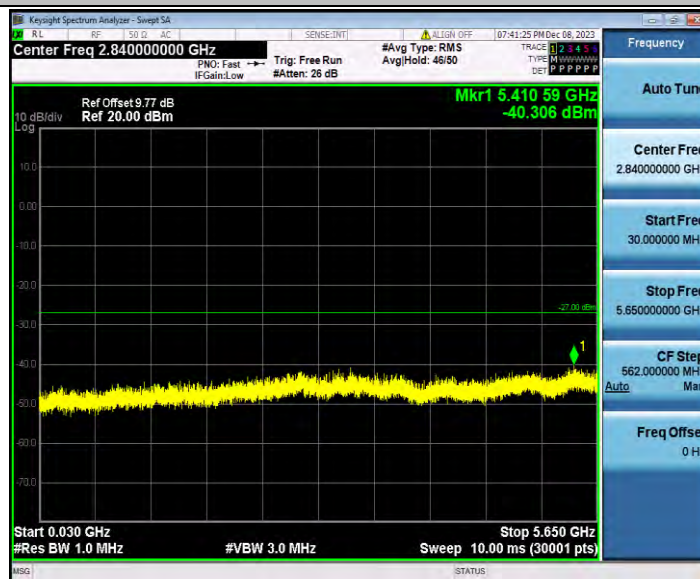
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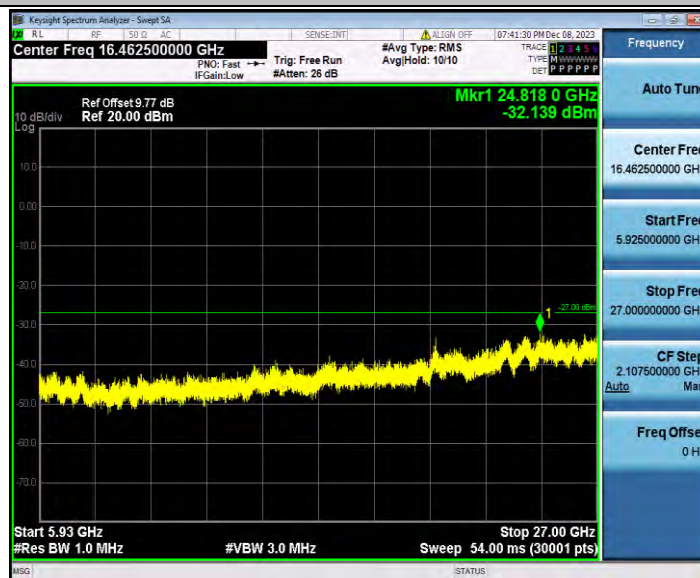
11N20SISO_Ant3_5785_30~5650



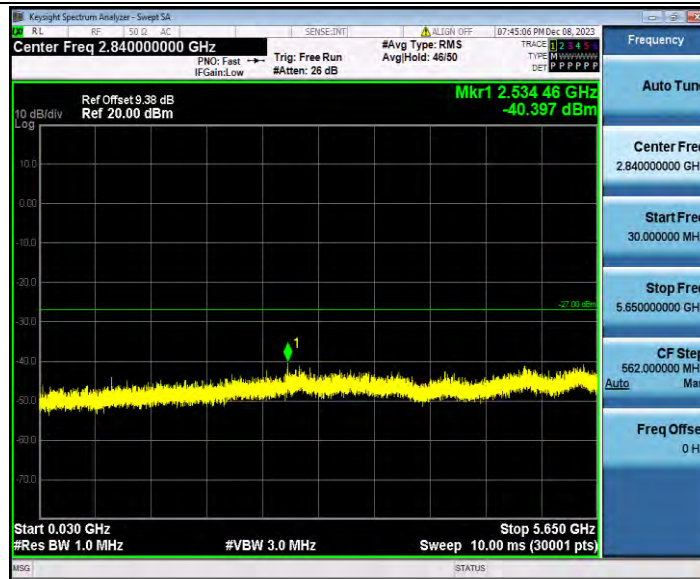
11N20SISO_Ant3_5785_5925~40000



11N20SISO_Ant3_5825_30~5650



11N20SISO_Ant3_5825_5925~40000



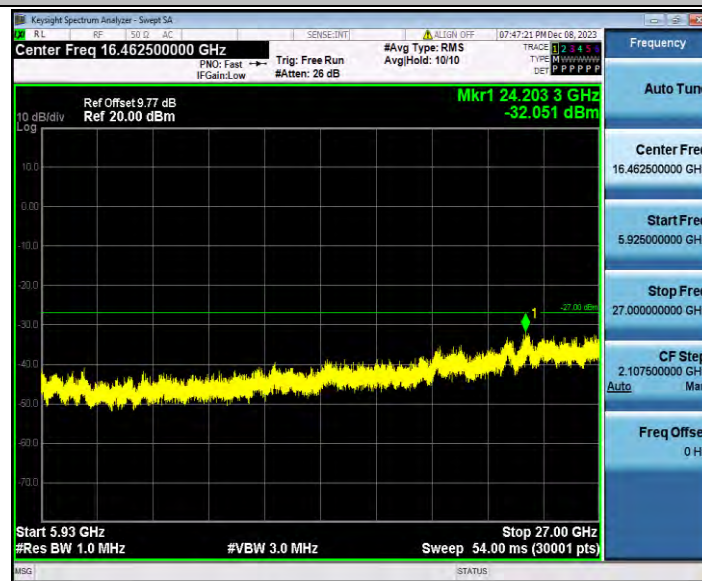
11N40SISO_Ant3_5755_30~5650



11N40SISO_Ant3_5755_5925~40000



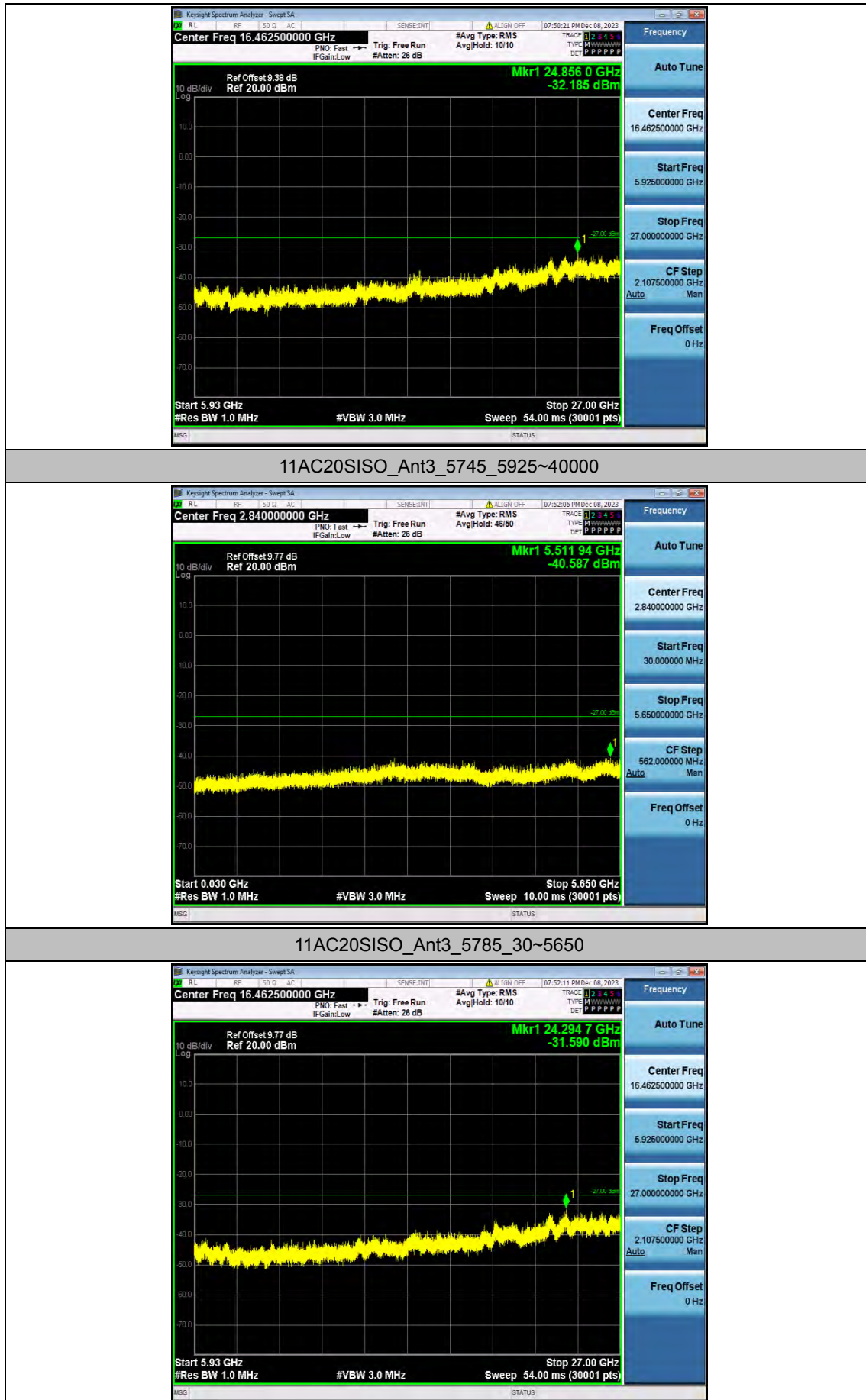
11N40SISO_Ant3_5795_30~5650



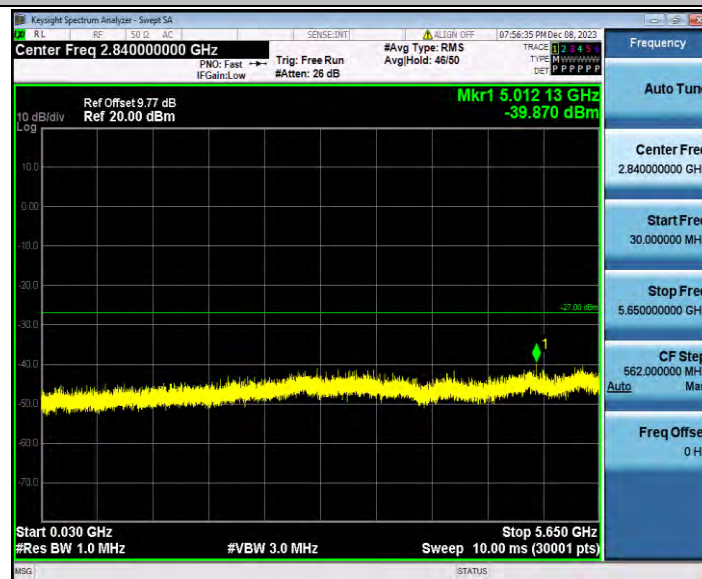
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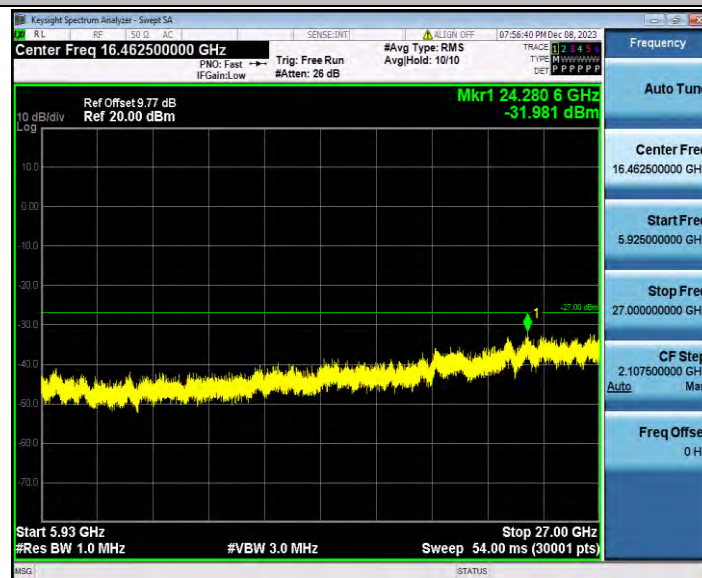
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11AC20SISO_Ant3_5785_5925~40000



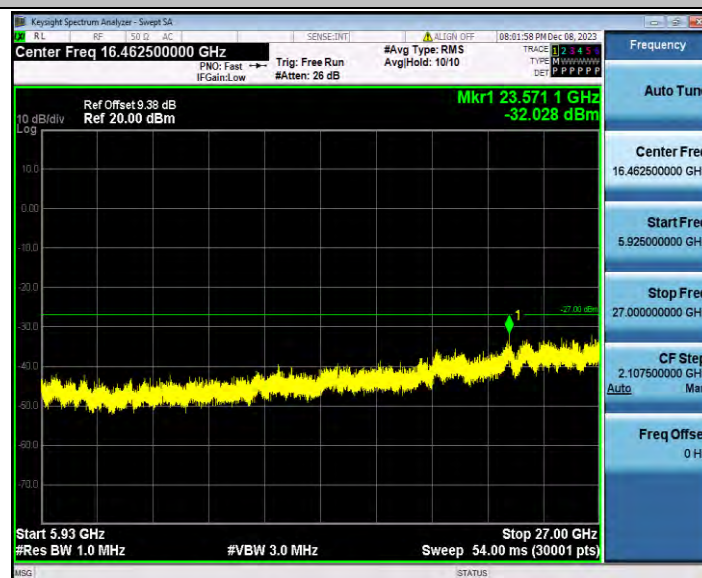
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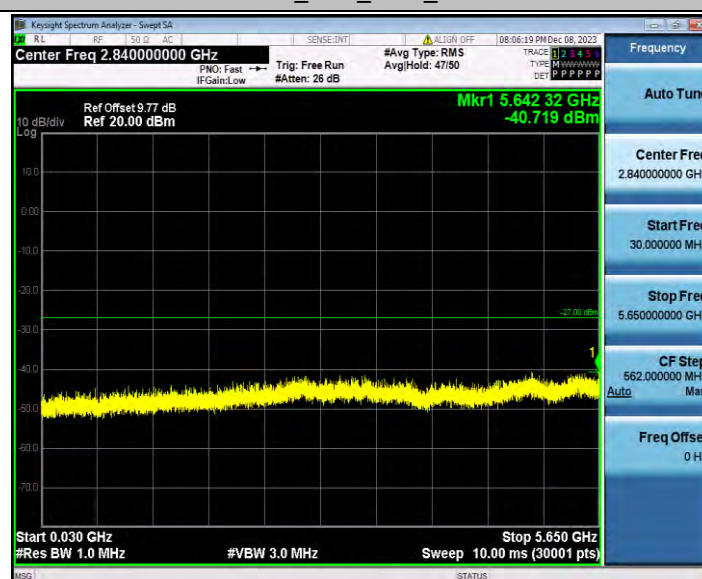
11AC20SISO_Ant3_5825_5925~40000



11AC40SISO_Ant3_5755_30~5650



11AC40SISO_Ant3_5755_5925~40000



11AC40SISO_Ant3_5795_30~5650



11AC40SISO_Ant3_5795_5925~40000



11AC80SISO_Ant3_5775_30~5650

