

Case No. : <u>GTS20231018011-1-18</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.9</u>	Test Engineer: <u>Evan ouyang</u>

Appendix G.1: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.161	5736.3925	5753.5535	---	---
		5785	17.211	5776.3285	5793.5395	---	---
		5825	17.132	5816.3518	5833.4838	---	---
11N20SISO	Ant1	5745	17.835	5736.0781	5753.9131	---	---
		5785	17.822	5776.0840	5793.9060	---	---
		5825	17.766	5816.1037	5833.8697	---	---
11N40SISO	Ant1	5755	36.429	5736.9247	5773.3537	---	---
		5795	36.422	5776.9052	5813.3272	---	---
11AC20SISO	Ant1	5745	17.807	5736.1111	5753.9181	---	---
		5785	17.734	5776.1255	5793.8595	---	---
		5825	17.731	5816.1170	5833.8480	---	---
11AC40SISO	Ant1	5755	36.247	5736.9505	5773.1975	---	---
		5795	36.196	5776.9930	5813.1890	---	---
11AC80SISO	Ant1	5775	75.802	5737.2342	5813.0362	---	---

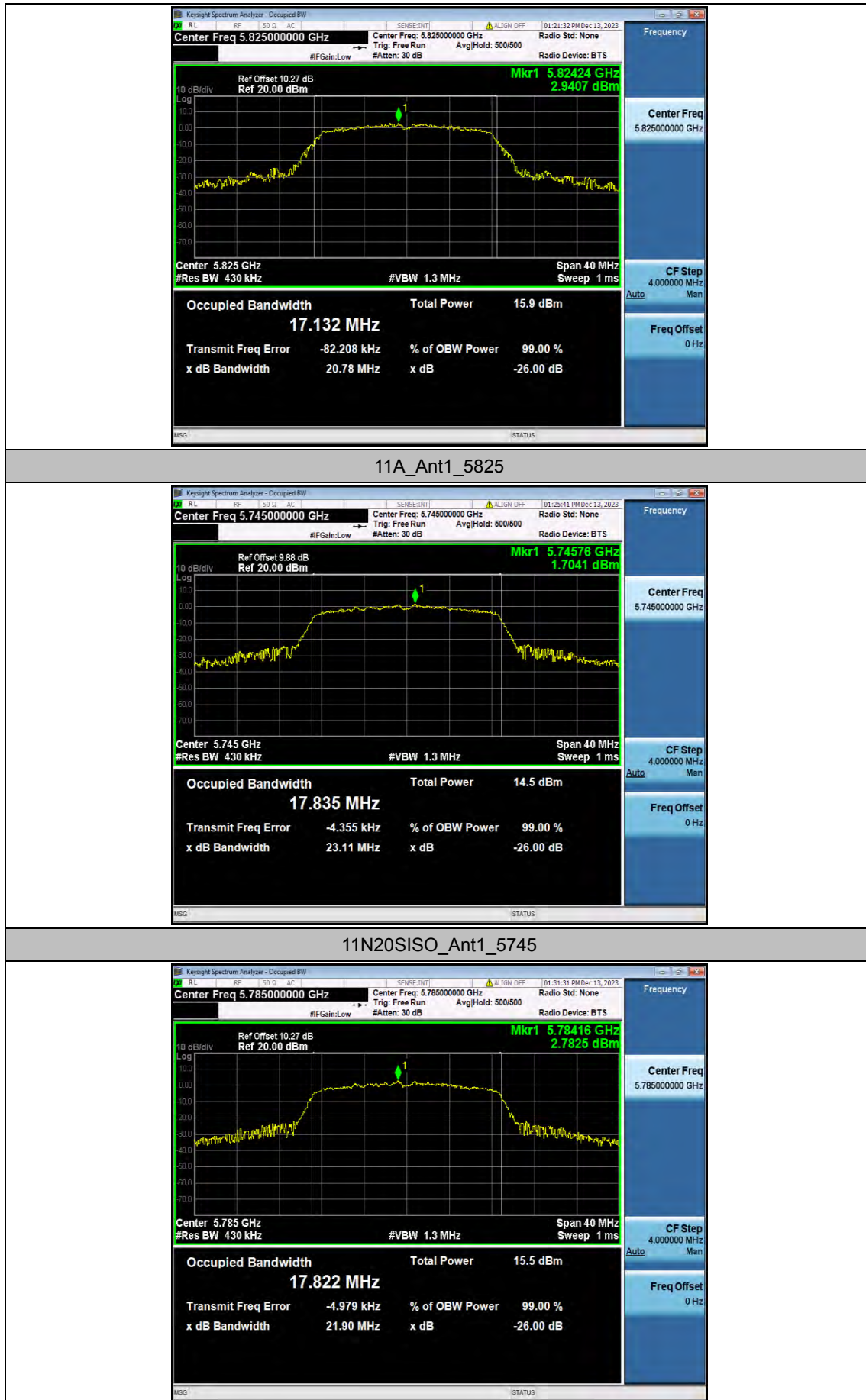
Test Graphs



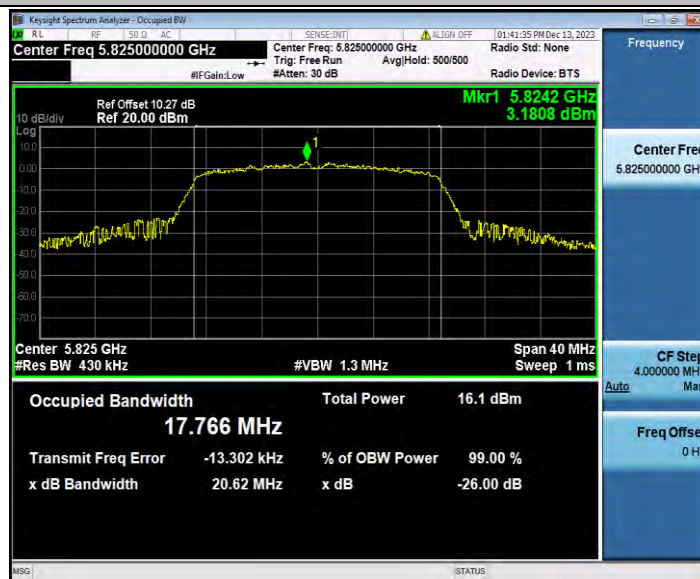
11A_Ant1_5745



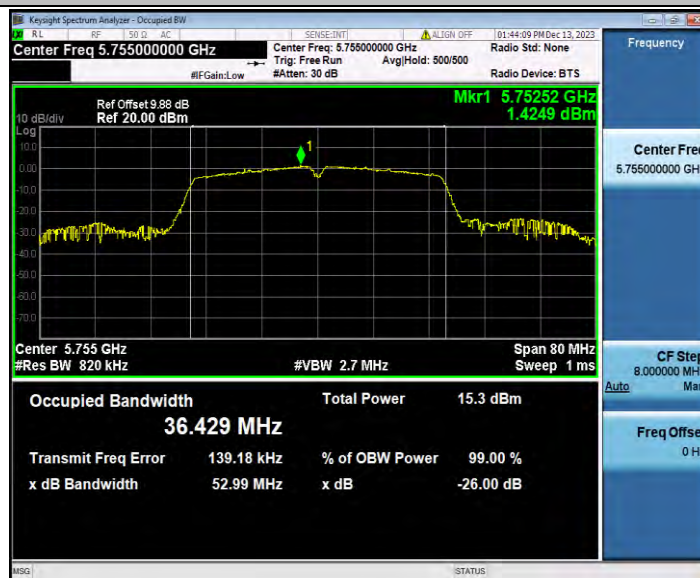
11A_Ant1_5785



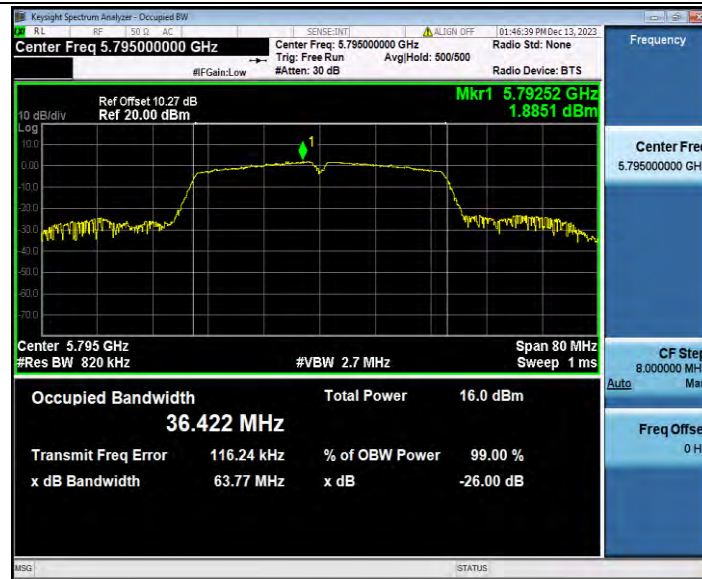
11N20SISO_Ant1_5785



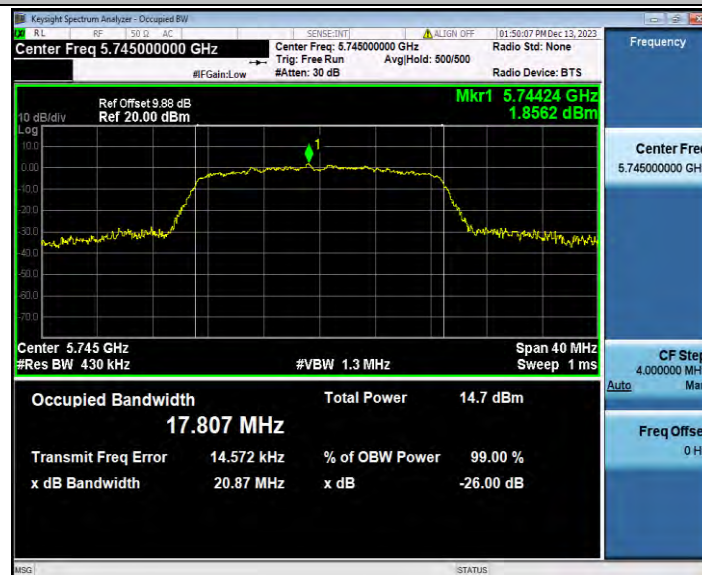
11N20SISO_Ant1_5825



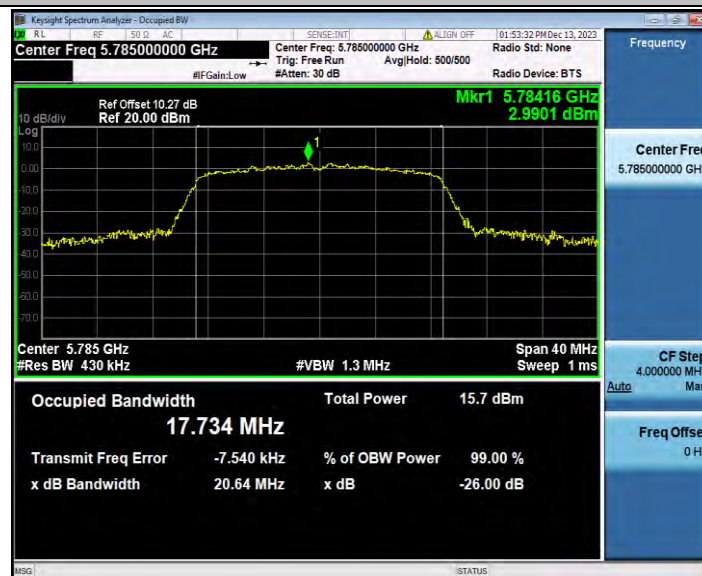
11N40SISO_Ant1_5755



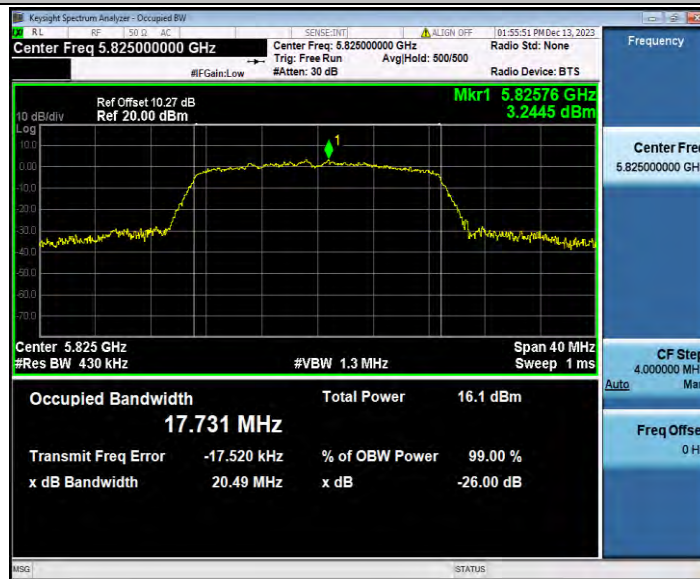
11N40SISO_Ant1_5795



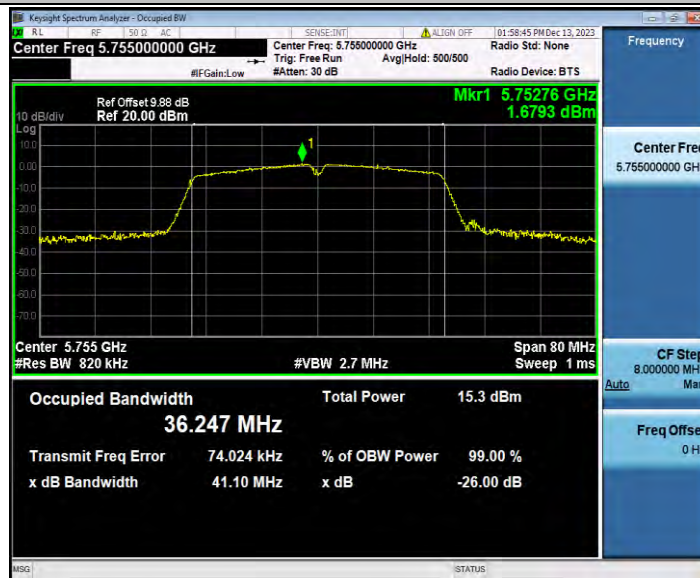
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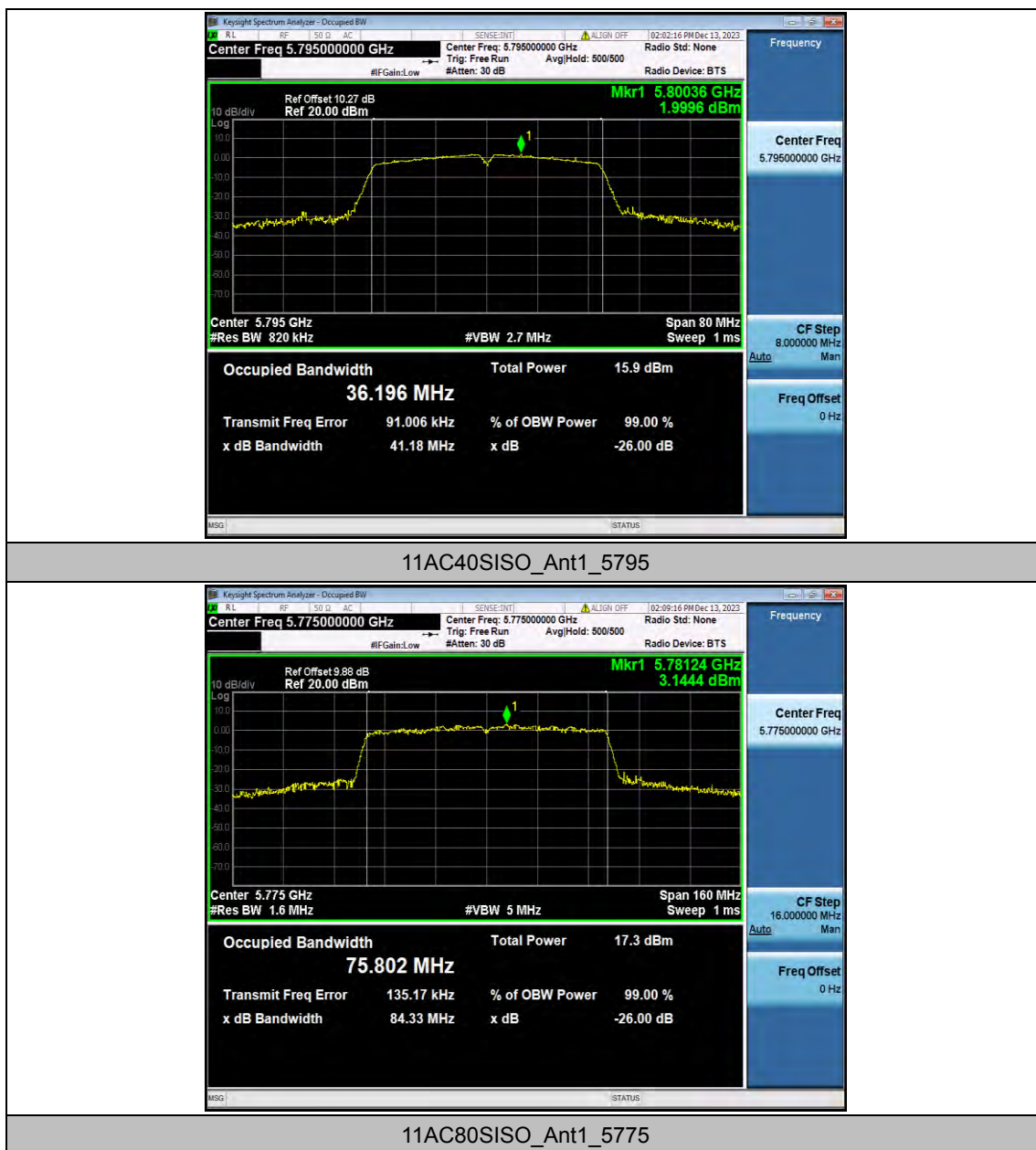
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755

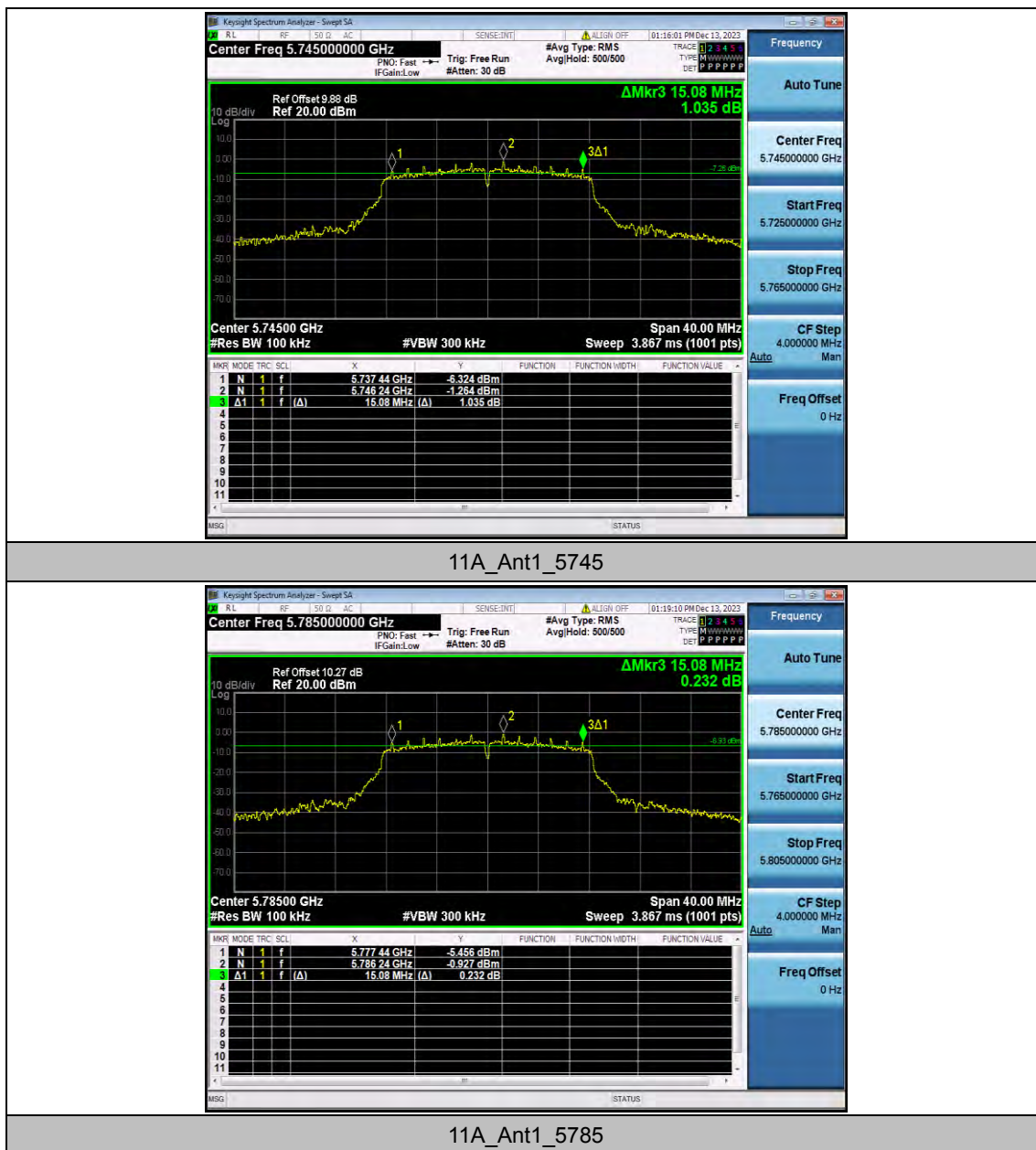


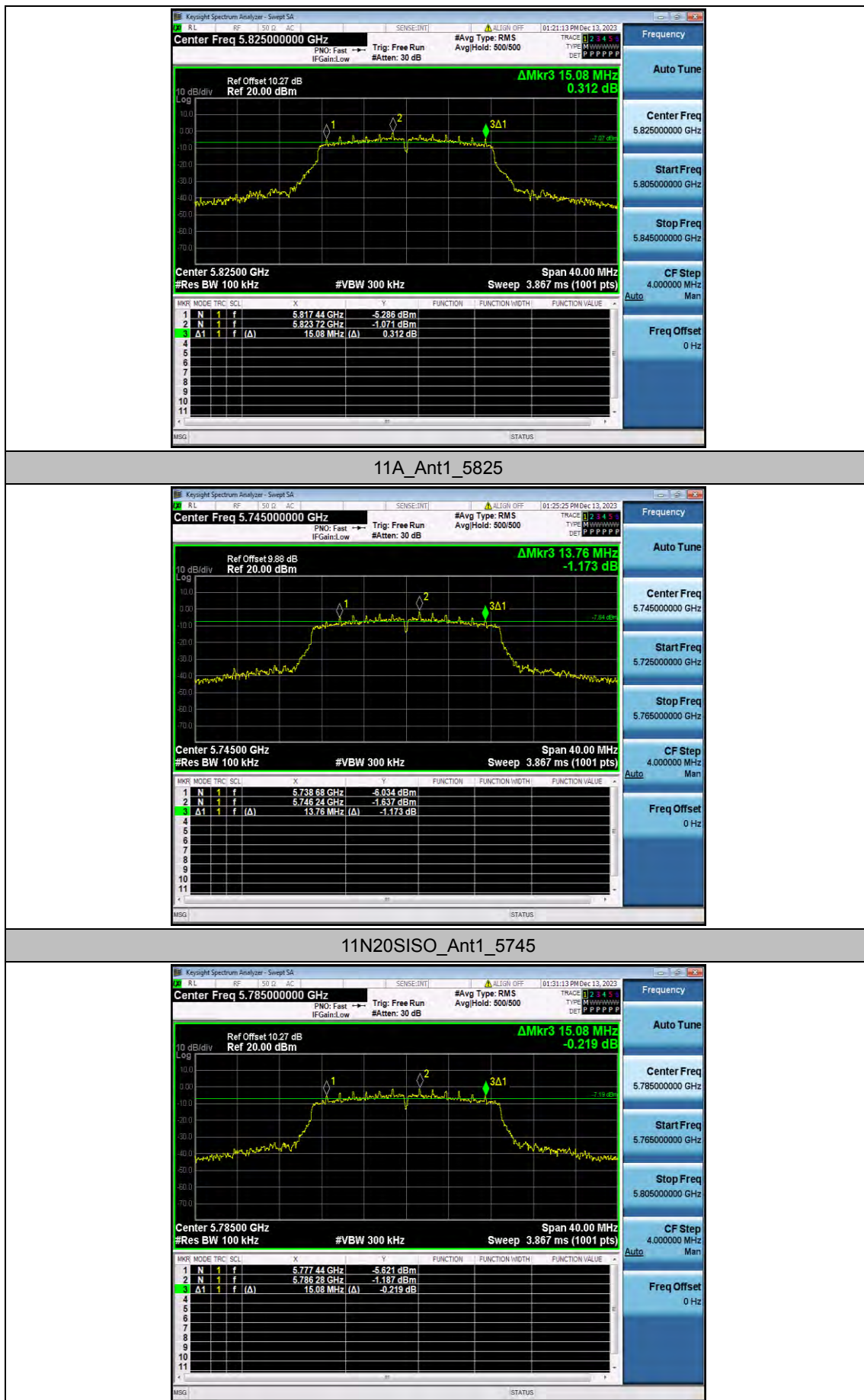
Appendix G.2: Min emission bandwidth

Test Result B4

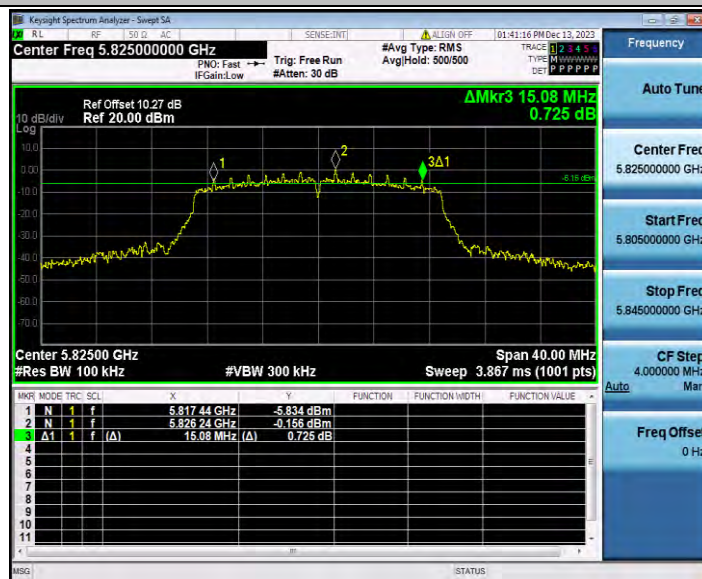
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N20SISO	Ant1	5745	13.760	5738.680	5752.440	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.080	5817.440	5832.520	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.080	5737.440	5752.520	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.080	5817.440	5832.520	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	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

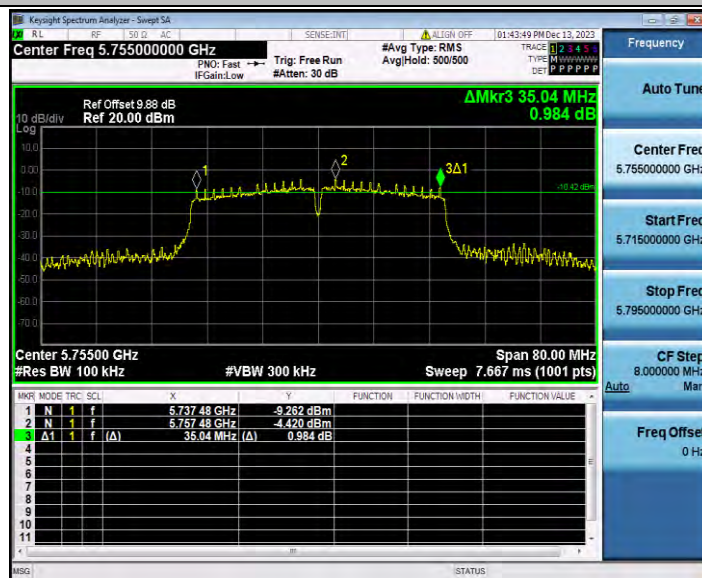




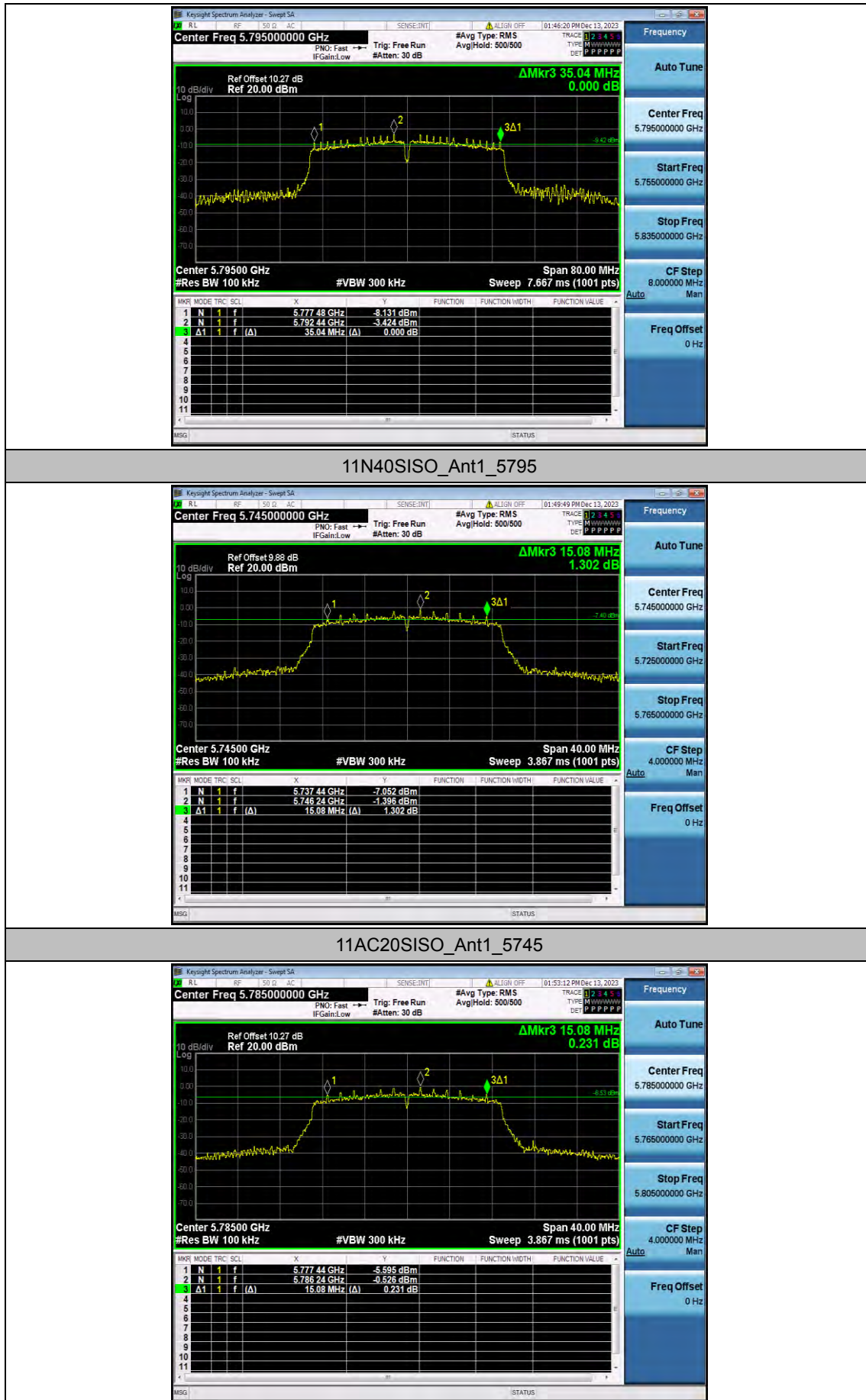
11N20SISO_Ant1_5785



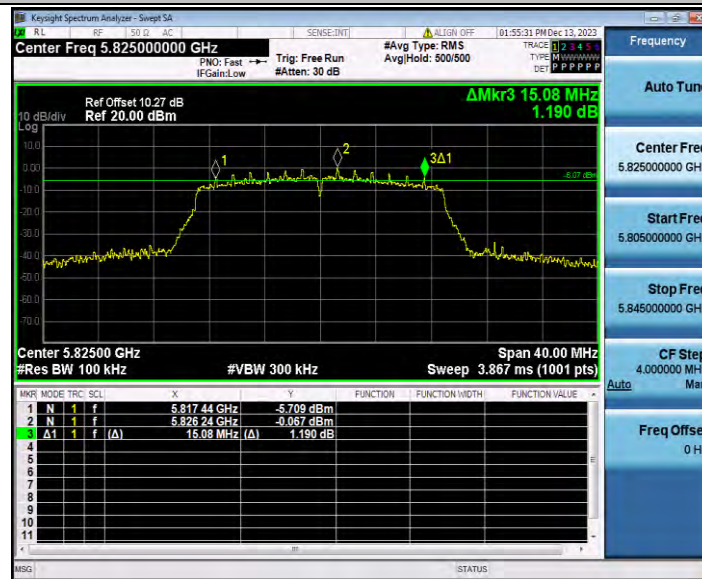
11N20SISO_Ant1_5825



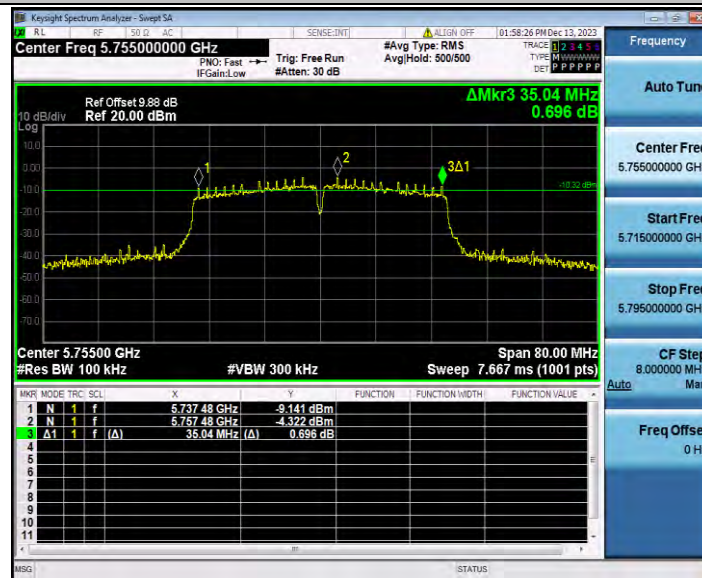
11N40SISO_Ant1_5755



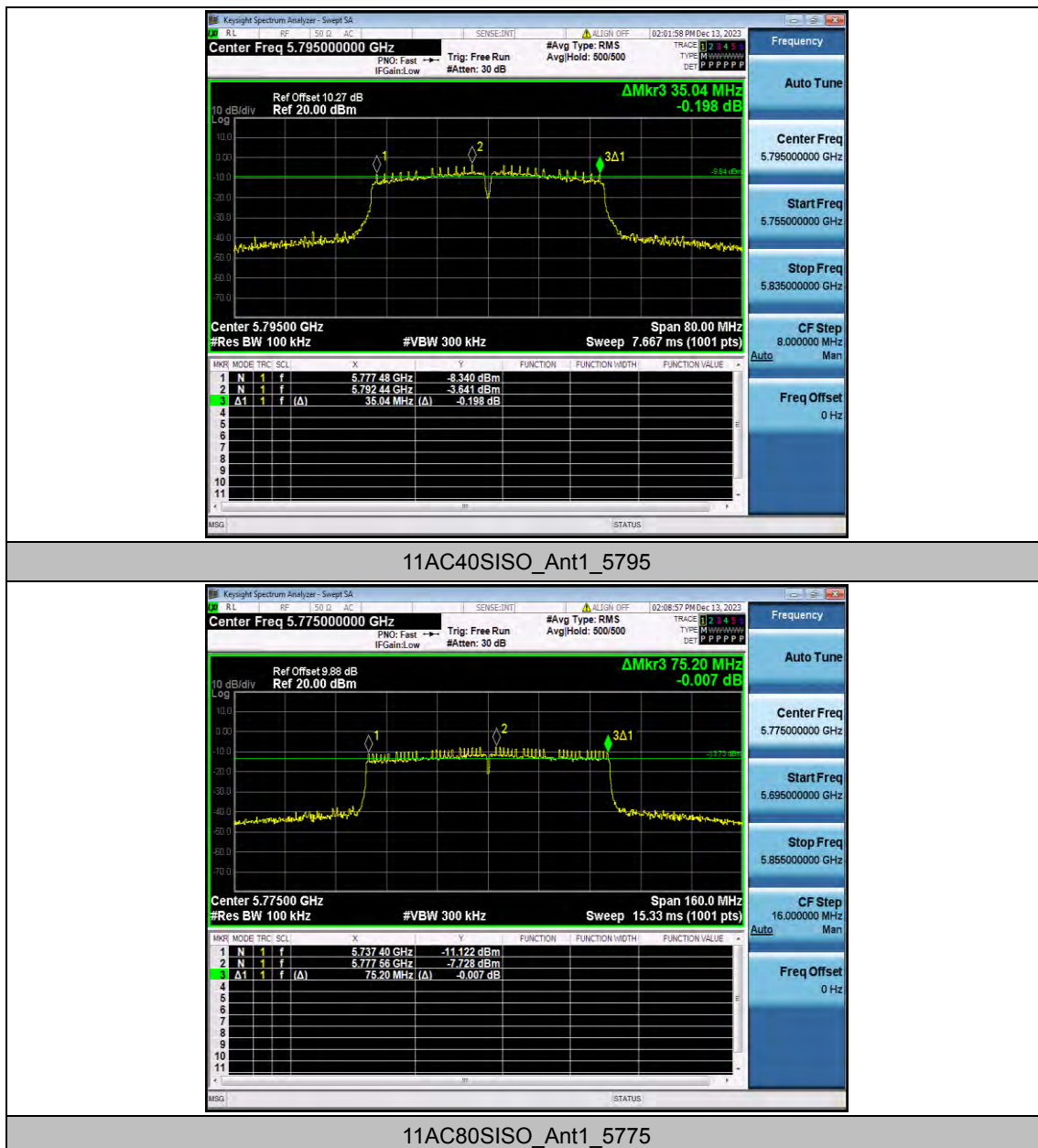
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755

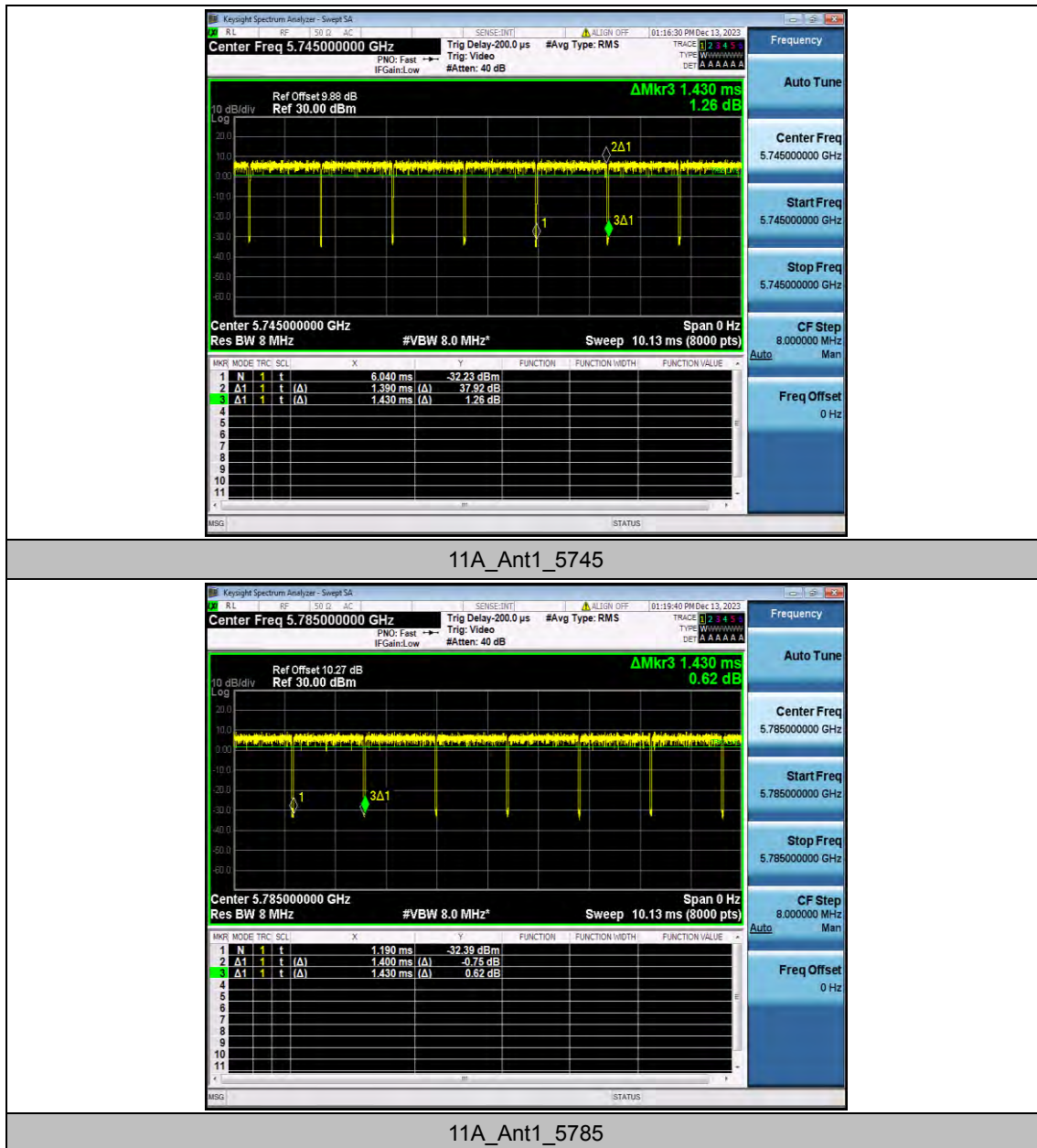


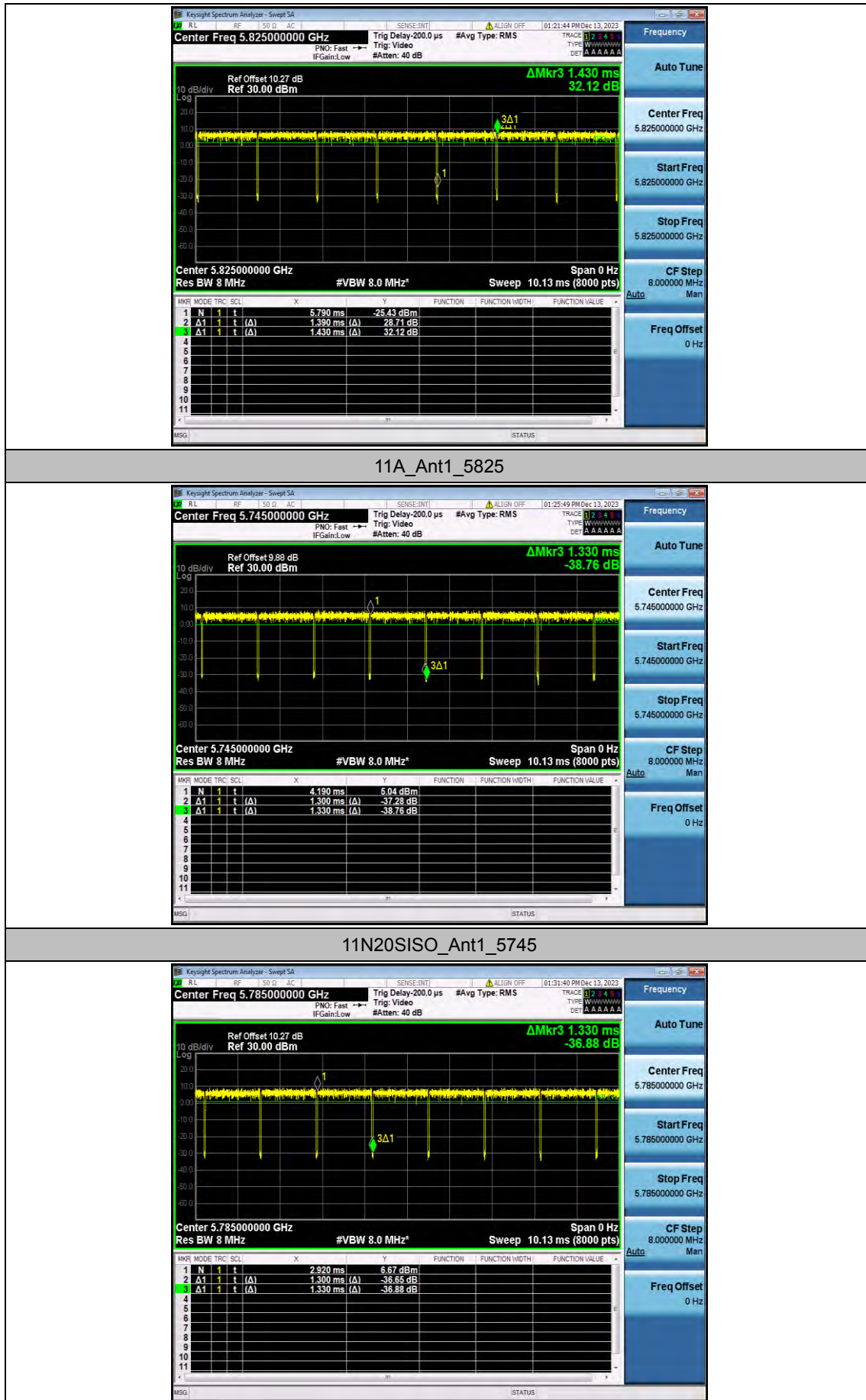
Appendix G.3: Duty Cycle

Test Result

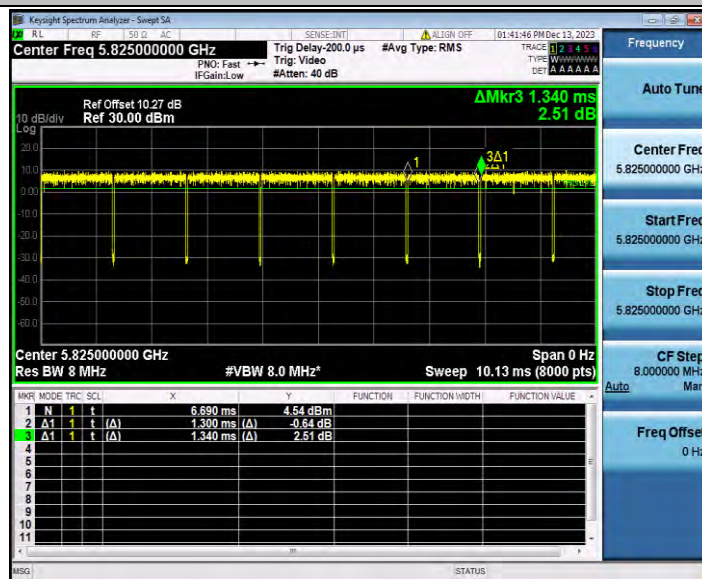
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5745	1.39	1.43	97.20
		5785	1.40	1.43	97.90
		5825	1.39	1.43	97.20
11N20SISO	Ant1	5745	1.30	1.33	97.74
		5785	1.30	1.33	97.74
		5825	1.30	1.34	97.01
11N40SISO	Ant1	5755	0.65	0.69	94.20
		5795	0.65	0.68	95.59
11AC20SISO	Ant1	5745	1.31	1.35	97.04
		5785	1.31	1.35	97.04
		5825	1.31	1.35	97.04
11AC40SISO	Ant1	5755	0.65	0.69	94.20
		5795	0.65	0.69	94.20
11AC80SISO	Ant1	5775	0.33	0.36	91.67

Test Graphs

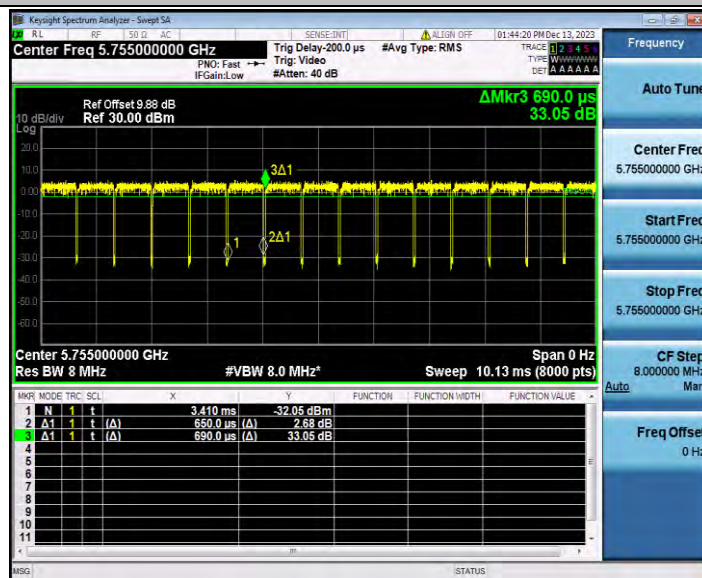




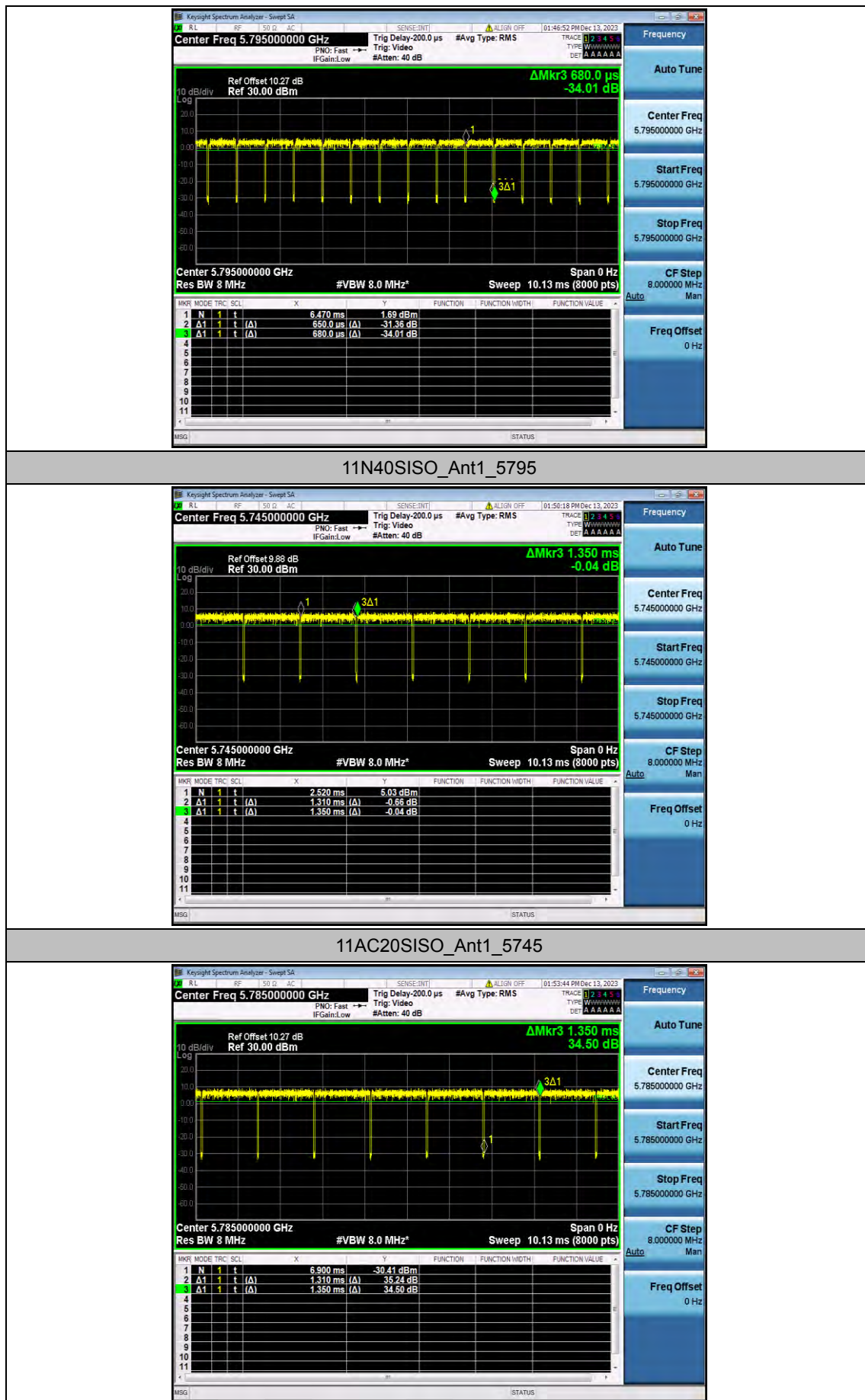
11N20SISO_Ant1_5785



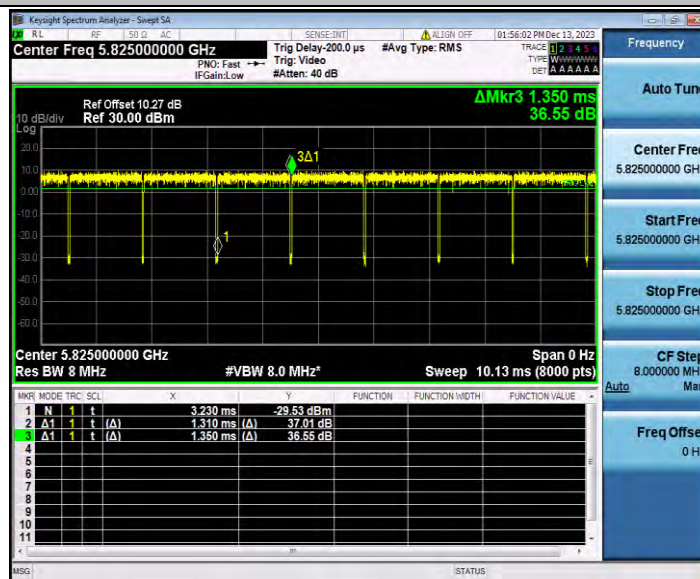
11N20SISO_Ant1_5825



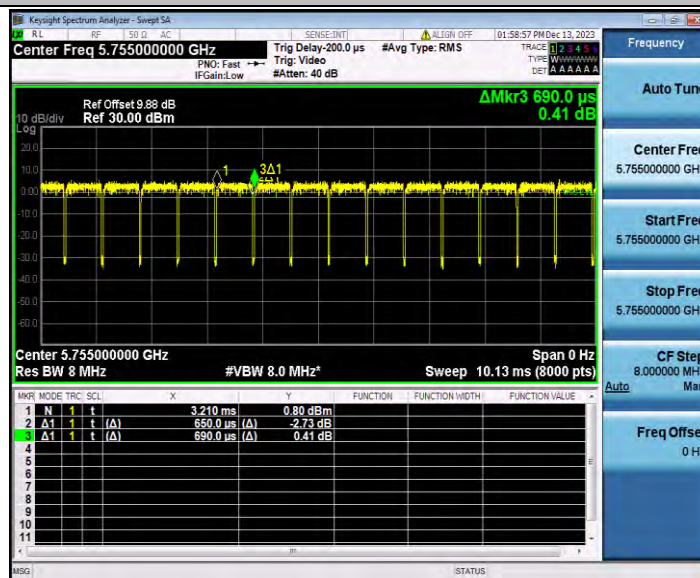
11N40SISO_Ant1_5755



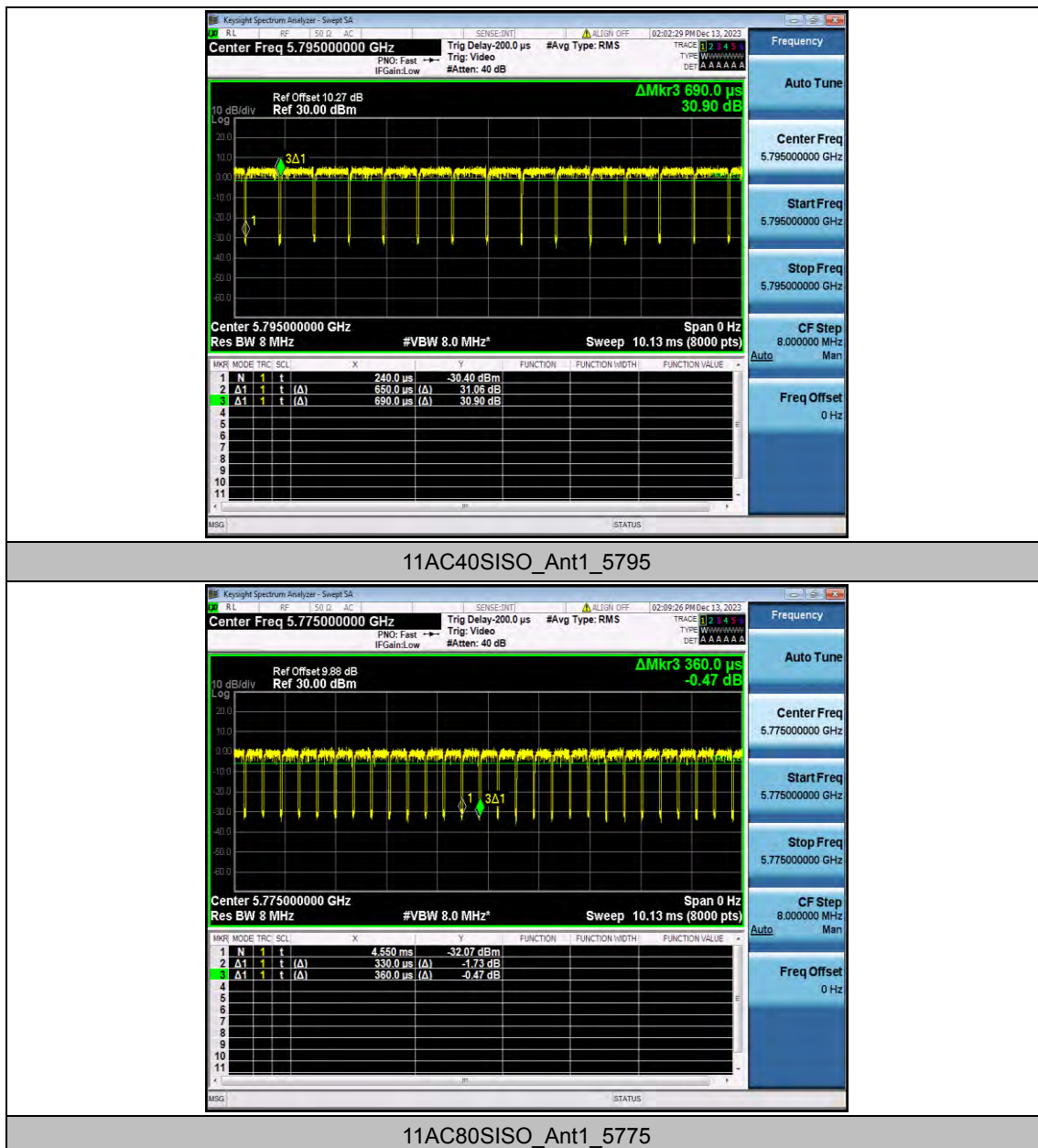
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



Appendix G.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency[M Hz]	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	8.35	97.20	0.12	8.47	≤30.00	PASS
		5785	8.77	97.90	0.09	8.86	≤30.00	PASS
		5825	9.17	97.20	0.12	9.29	≤30.00	PASS
11N20SISO	Ant1	5745	7.70	97.74	0.10	7.80	≤30.00	PASS
		5785	8.66	97.74	0.10	8.76	≤30.00	PASS
		5825	9.37	97.01	0.13	9.50	≤30.00	PASS
11N40SISO	Ant1	5755	7.83	94.20	0.26	8.09	≤30.00	PASS
		5795	8.59	95.59	0.20	8.79	≤30.00	PASS
11AC20SISO	Ant1	5745	8.03	97.04	0.13	8.16	≤30.00	PASS
		5785	8.94	97.04	0.13	9.07	≤30.00	PASS
		5825	9.42	97.04	0.13	9.55	≤30.00	PASS
11AC40SISO	Ant1	5755	7.86	94.20	0.26	8.12	≤30.00	PASS
		5795	8.35	94.20	0.26	8.61	≤30.00	PASS
11AC80SISO	Ant1	5775	8.01	91.67	0.38	8.39	≤30.00	PASS

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

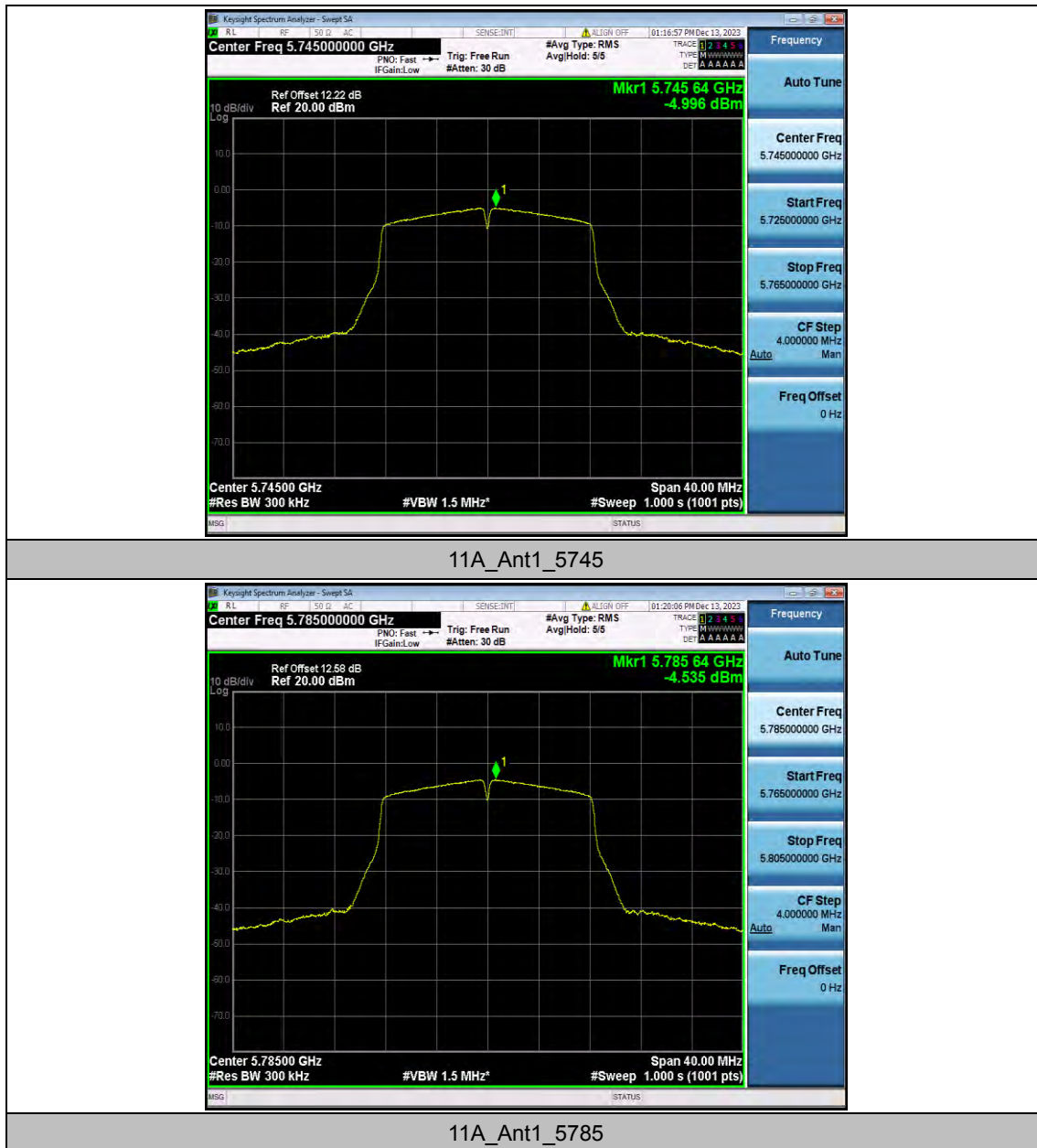
Appendix G.5: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-5	≤30.00	PASS
		5785	-4.54	≤30.00	PASS
		5825	-4.05	≤30.00	PASS
11N20SISO	Ant1	5745	-5.31	≤30.00	PASS
		5785	-4.47	≤30.00	PASS
		5825	-3.81	≤30.00	PASS
11N40SISO	Ant1	5755	-8.08	≤30.00	PASS
		5795	-7.42	≤30.00	PASS
11AC20SISO	Ant1	5745	-5.23	≤30.00	PASS
		5785	-4.39	≤30.00	PASS
		5825	-3.91	≤30.00	PASS
11AC40SISO	Ant1	5755	-8.06	≤30.00	PASS
		5795	-7.48	≤30.00	PASS
11AC80SISO	Ant1	5775	-11.5	≤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





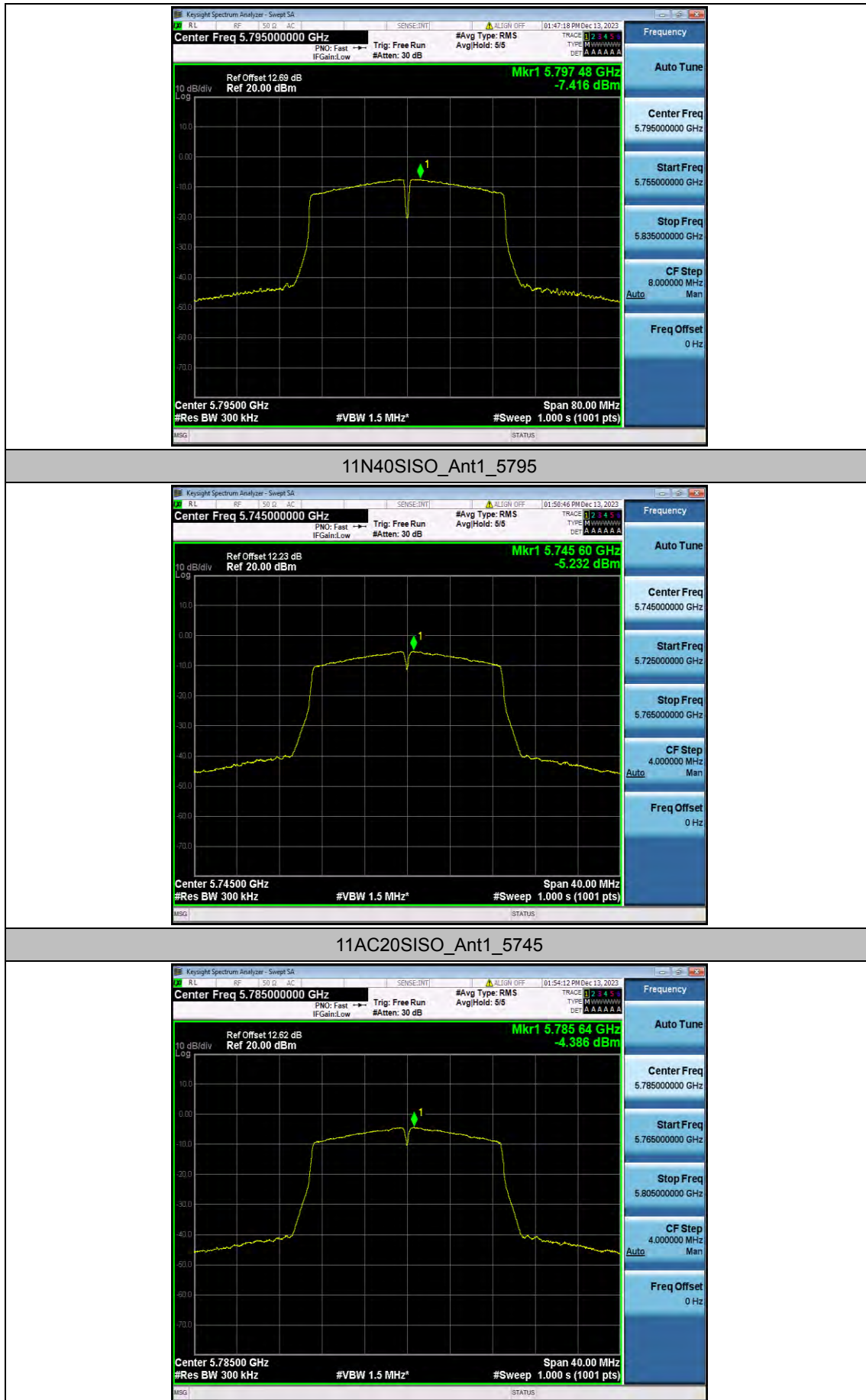
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775

Appendix G.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	-39.17	≤9.72	PASS
				5700~5720	-34.03	≤15.37	PASS
				5720~5725	-30.06	≤26.04	PASS
				5760~5650	-40.32	≤-27	PASS
		High	5825	5850~5855	-36.44	≤19.18	PASS
				5855~5875	-37.83	≤10.40	PASS
				5875~5925	-38.1	≤7.11	PASS
				5925~5935	-39.4	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-38.1	≤9.64	PASS
				5700~5720	-30.98	≤14.82	PASS
				5720~5725	-29.95	≤26.04	PASS
				5760~5650	-39.23	≤-27	PASS
		High	5825	5850~5855	-33.31	≤17.33	PASS
				5855~5875	-37.52	≤10.25	PASS
				5875~5925	-37.73	≤4.51	PASS
				5925~5935	-38.46	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-35.25	≤7.66	PASS
				5700~5720	-26.44	≤15.35	PASS
				5720~5725	-23.45	≤24.66	PASS
				5780~5650	-38.73	≤-27	PASS
		High	5795	5850~5855	-36.85	≤19.04	PASS
				5855~5875	-37.41	≤10.04	PASS
				5875~5925	-37.1	≤-2.38	PASS
				5925~5935	-38.42	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-38.62	≤-6.62	PASS
				5700~5720	-32.52	≤15.08	PASS
				5720~5725	-30.11	≤24.73	PASS
				5760~5650	-39.58	≤-27	PASS
		High	5825	5850~5855	-34.48	≤18.26	PASS
				5855~5875	-38.52	≤13.46	PASS
				5875~5925	-37.99	≤-8.67	PASS
				5925~5935	-38.43	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-37.45	≤9.86	PASS
				5700~5720	-32.11	≤15.01	PASS
				5720~5725	-30.35	≤16.66	PASS

		High	5795	5780~5650	-40.4	≤ -27	PASS
				5850~5855	-38	≤ 16.79	PASS
				5855~5875	-38.09	≤ 11.61	PASS
				5875~5925	-37.67	≤ -1.89	PASS
				5925~5935	-39.07	≤ -27	PASS
11AC80SI SO	Ant1	Low	5775	5650~5700	-34.38	≤ 9.33	PASS
				5700~5720	-30.78	≤ 15.35	PASS
				5720~5725	-30.32	≤ 21.65	PASS
				5800~5650	-38.51	≤ -27	PASS
		High	5775	5850~5855	-34	≤ 17.48	PASS
				5855~5875	-32.45	≤ 10.23	PASS
				5875~5925	-37.3	≤ -23.53	PASS
				5925~5935	-37.97	≤ -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



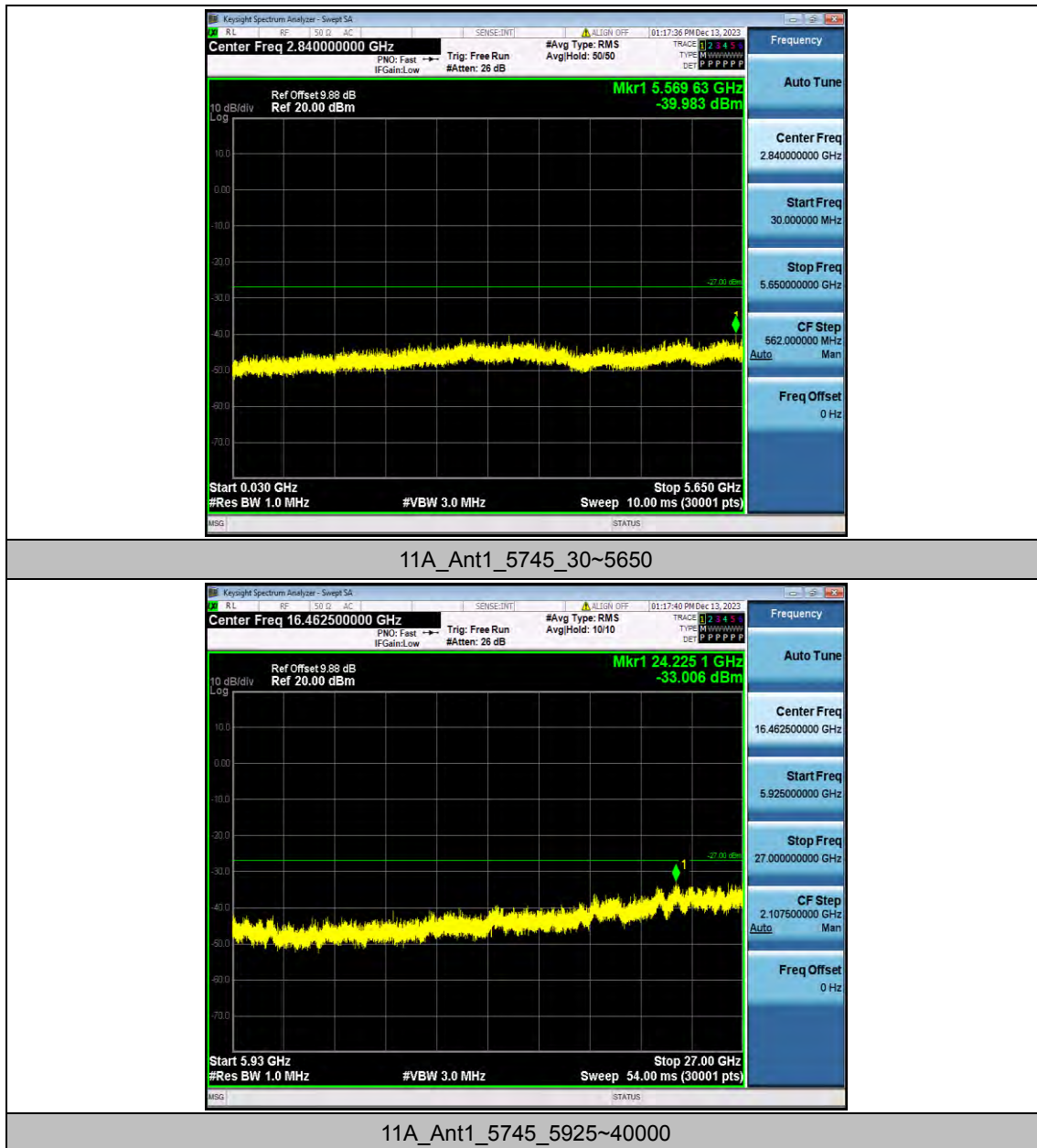
11AC80SISO_Ant1_High_5775

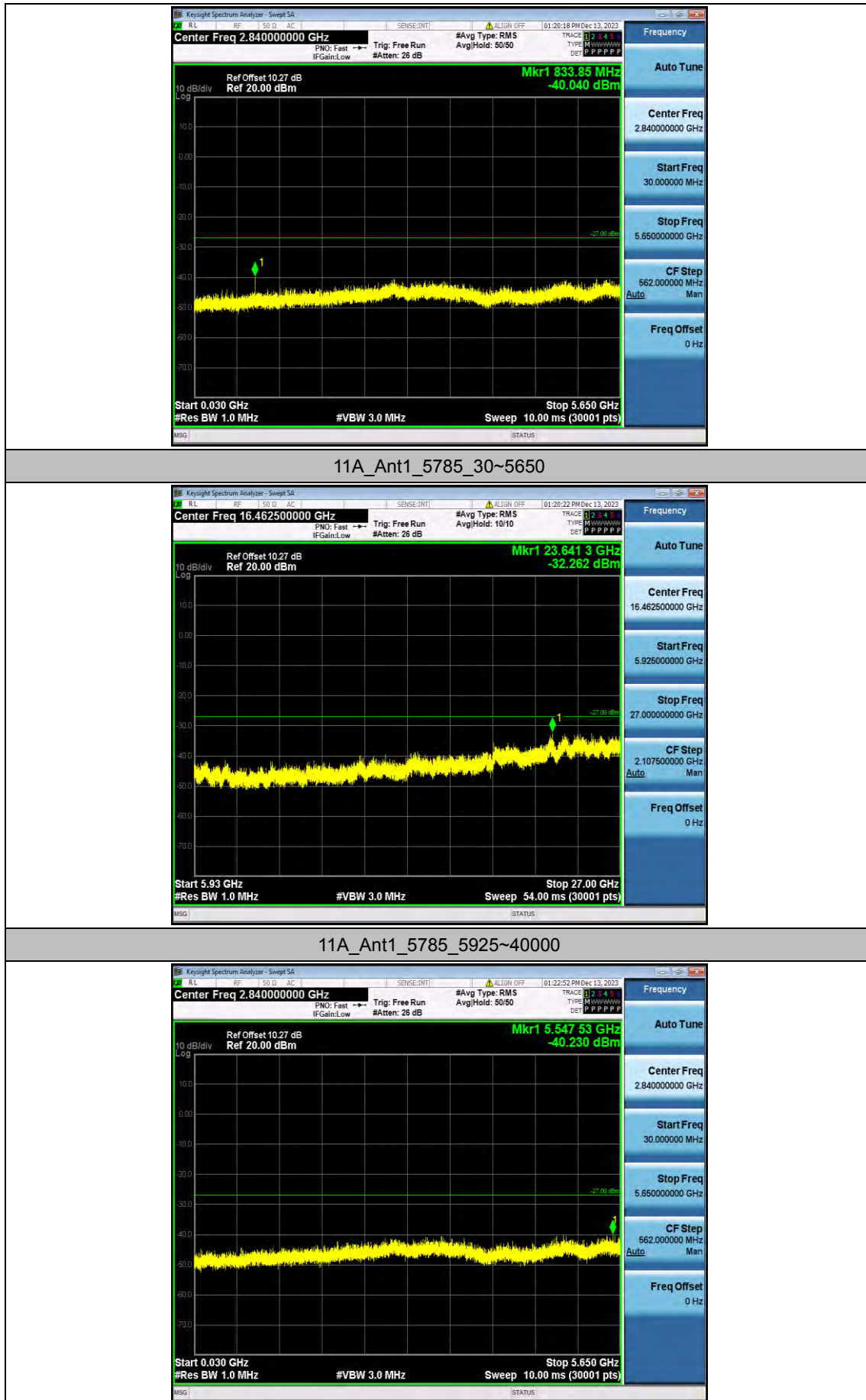
Appendix G.7: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5569.63	-39.98	≤-27	PASS
			5925~40000	24225.13	-33.01	≤-27	PASS
		5785	30~5650	833.85	-40.04	≤-27	PASS
			5925~40000	23641.35	-32.26	≤-27	PASS
		5825	30~5650	5547.53	-40.23	≤-27	PASS
			5925~40000	24239.18	-32.05	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	4892.05	-40.37	≤-27	PASS
			5925~40000	26712.68	-32.54	≤-27	PASS
		5785	30~5650	3083.16	-39.88	≤-27	PASS
			5925~40000	26762.56	-31.83	≤-27	PASS
		5825	30~5650	5444.5	-39.33	≤-27	PASS
			5925~40000	24206.86	-31.86	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	5449.55	-40.45	≤-27	PASS
			5925~40000	23444.65	-32.13	≤-27	PASS
		5795	30~5650	5473.72	-39.43	≤-27	PASS
			5925~40000	25639.96	-31.54	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	829.91	-37.48	≤-27	PASS
			5925~40000	24207.56	-31.74	≤-27	PASS
		5785	30~5650	5478.96	-38.62	≤-27	PASS
			5925~40000	24201.94	-31.58	≤-27	PASS
		5825	30~5650	5377.06	-40.07	≤-27	PASS
			5925~40000	24193.51	-31.42	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	3151.35	-40.59	≤-27	PASS
			5925~40000	25226.19	-32.44	≤-27	PASS
		5795	30~5650	3207.55	-39.49	≤-27	PASS
			5925~40000	24942.38	-30.88	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5429.32	-39.51	≤-27	PASS
			5925~40000	25996.13	-32.52	≤-27	PASS

Test Graphs

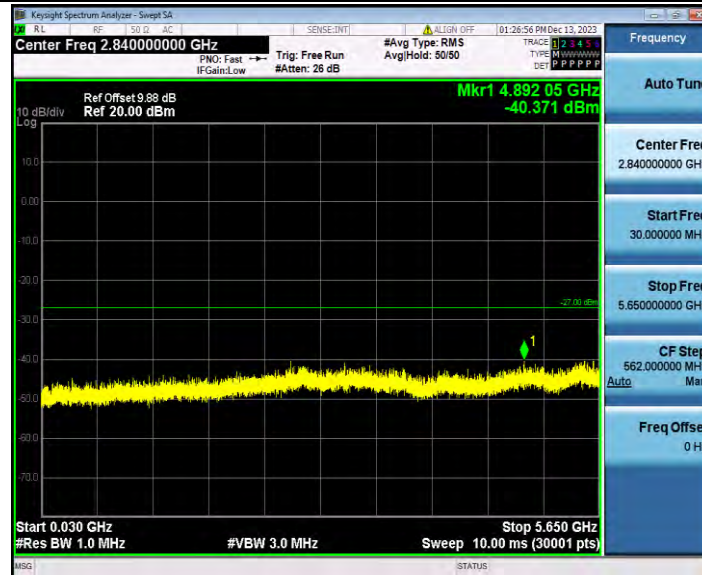




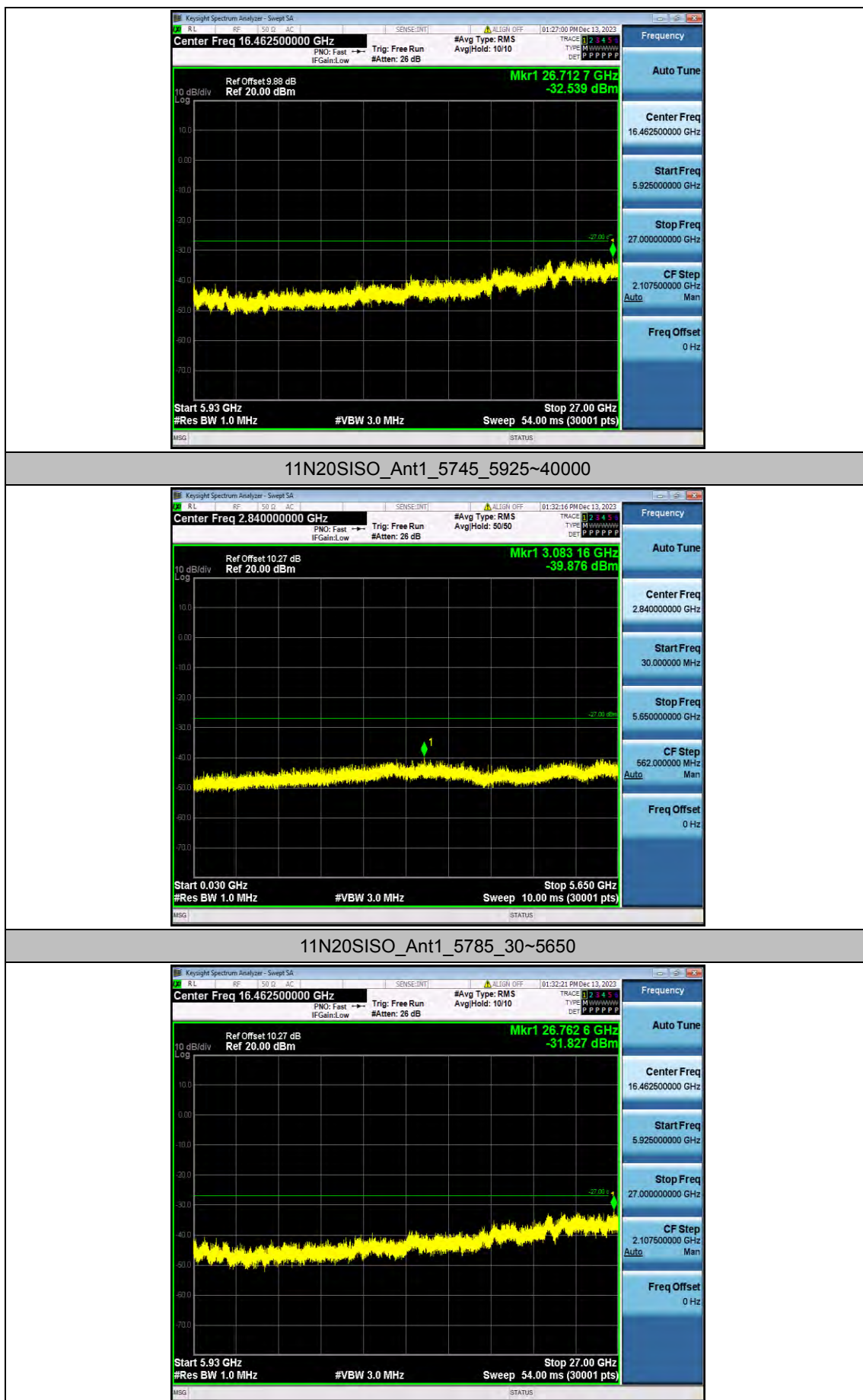
11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~40000



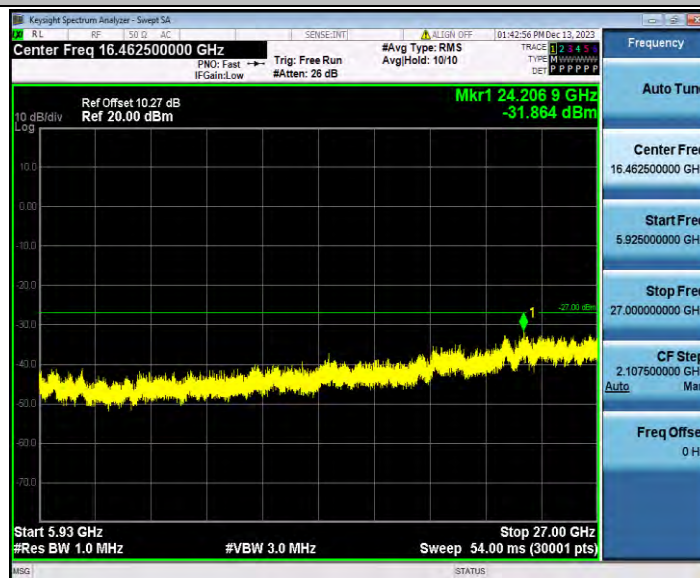
11N20SISO_Ant1_5745_30~5650



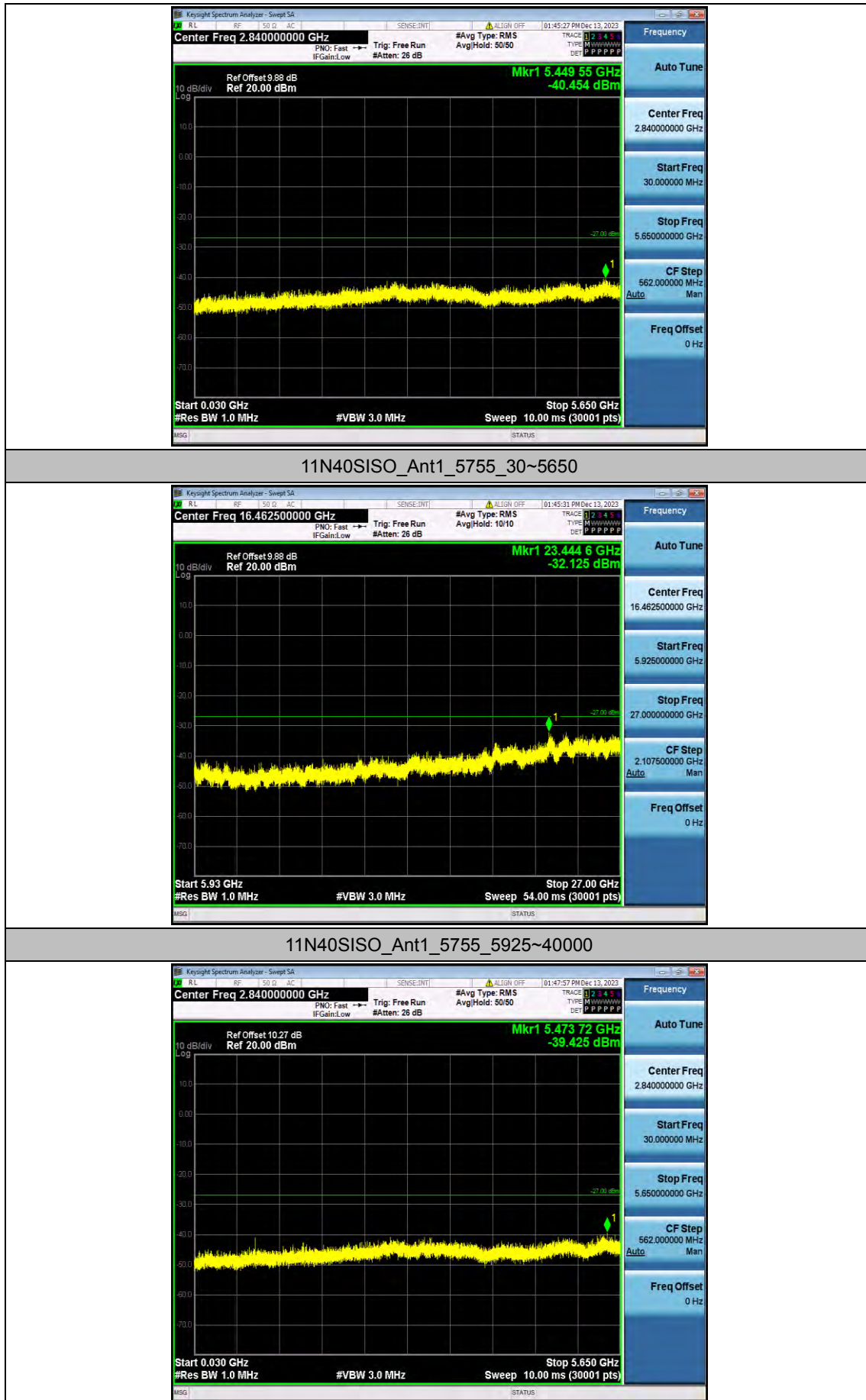
11N20SISO_Ant1_5785_5925~40000



11N20SISO_Ant1_5825_30~5650



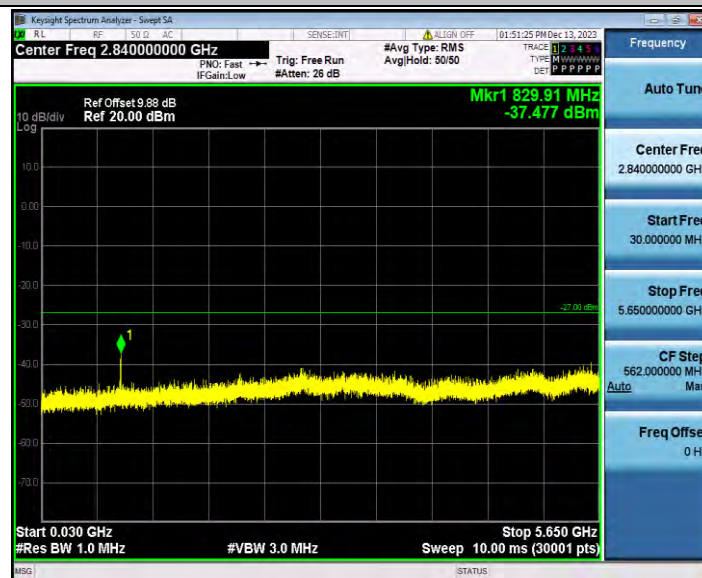
11N20SISO_Ant1_5825_5925~40000



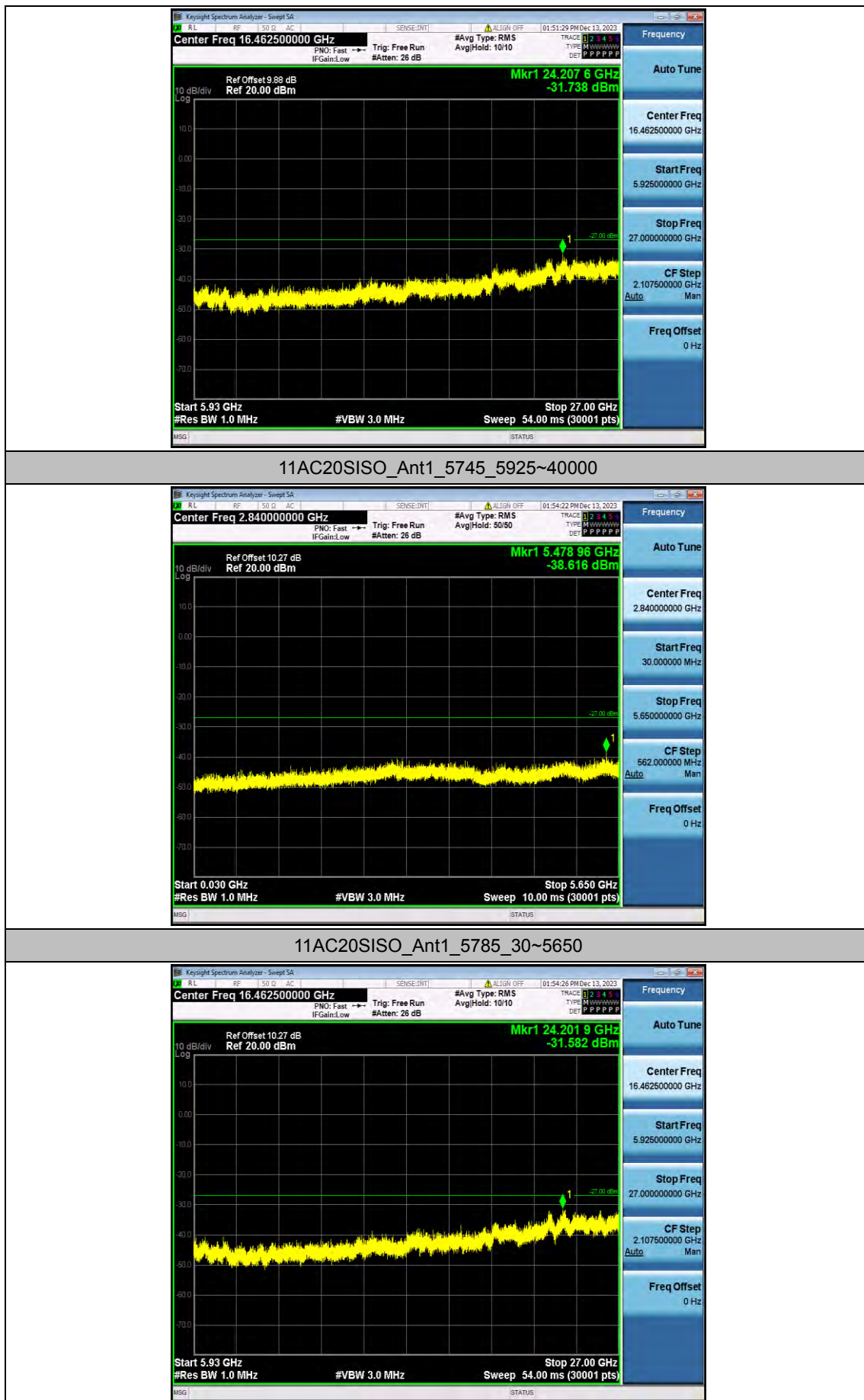
11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~40000



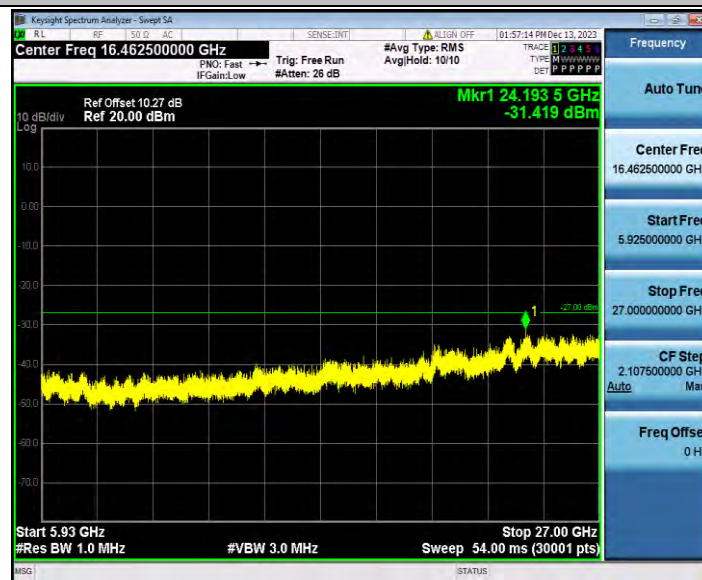
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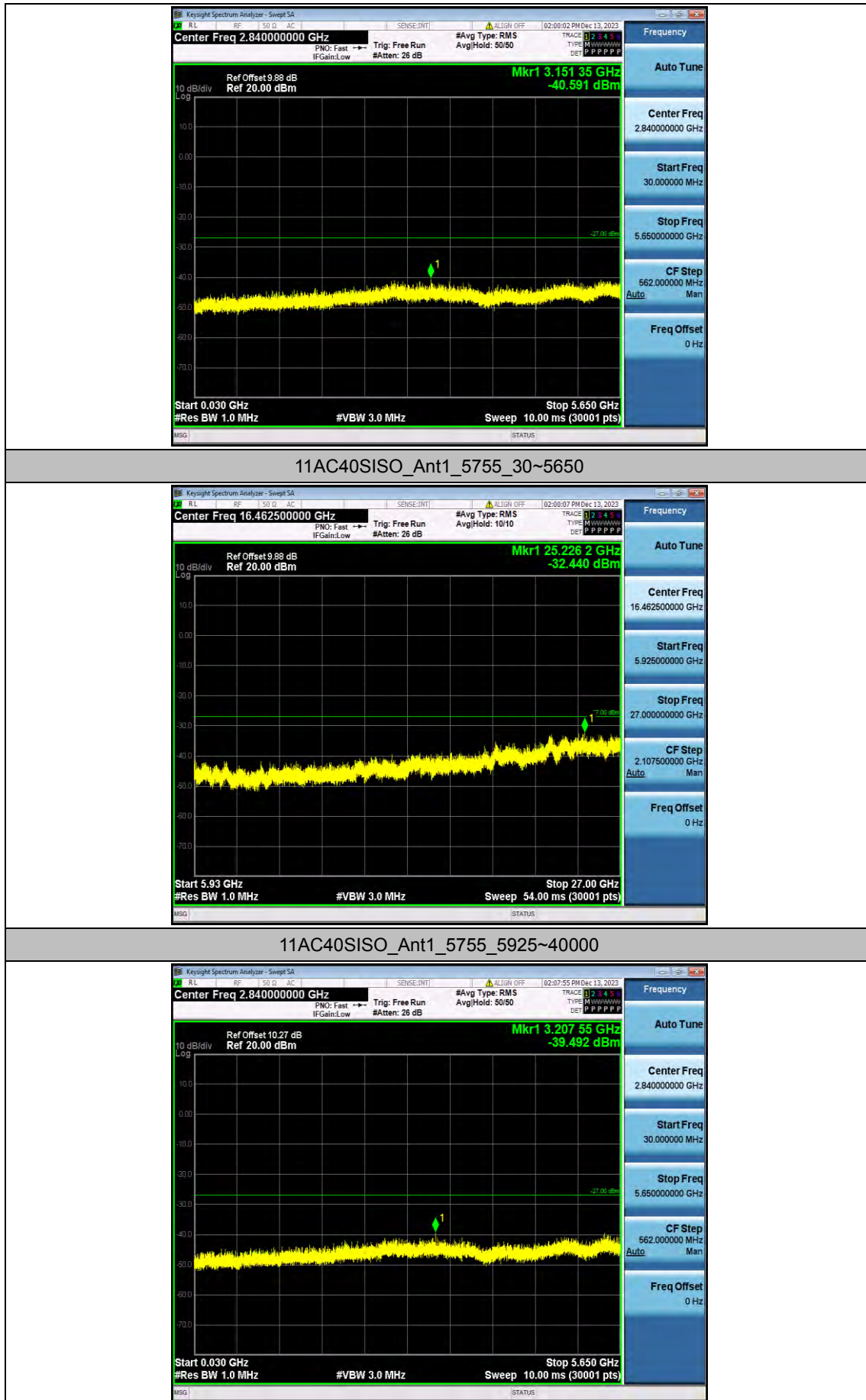
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11AC20SISO_Ant1_5825_30~5650



11AC20SISO_Ant1_5825_5925~40000



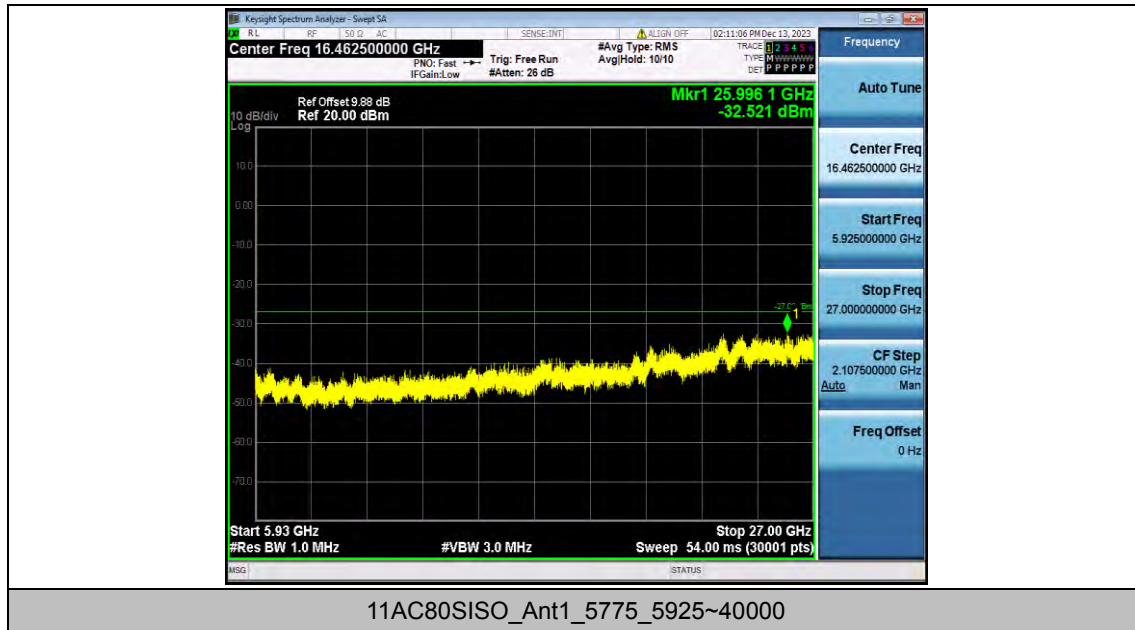
11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~40000



11AC80SISO_Ant1_5775_30~5650



Appendix G.8: Emissions in Restricted Bands

Test Result

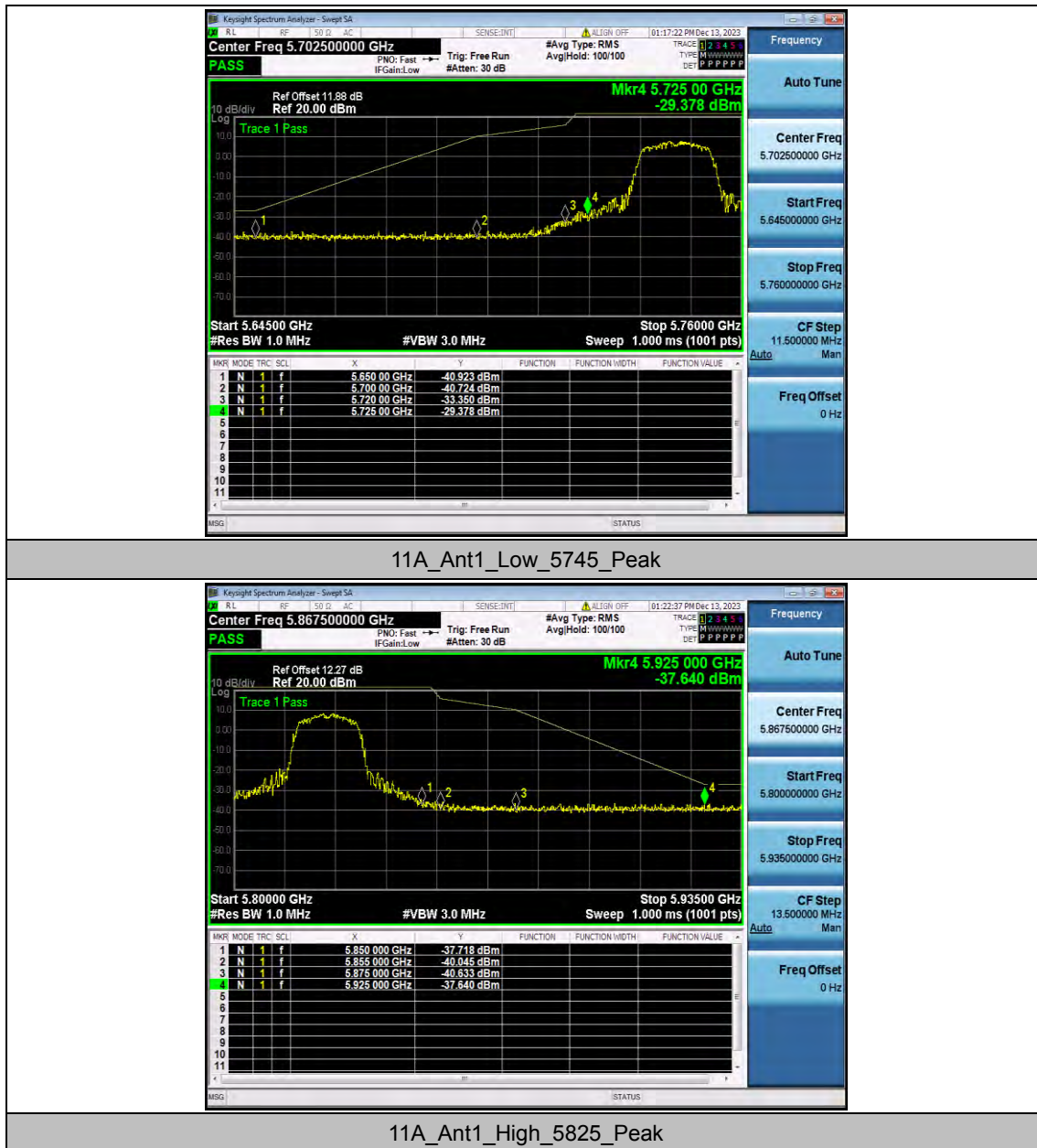
Test Mode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-40.92 3	≤-27.00	---	---	PASS
				Peak	5700.000	-40.72	≤10.00	---	---	PASS
				Peak	5720.000	-33.35	≤15.60	---	---	PASS
				Peak	5725.000	-29.38	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-37.71 8	≤15.60	---	---	PASS
				Peak	5855.000	-40.05	≤27.00	---	---	PASS
				Peak	5875.000	-40.63	≤15.60	---	---	PASS
				Peak	5925.000	-37.64	≤10.00	---	---	PASS
11N20SISO	Ant1	Low	5745	Peak	5650.000	-40.75 7	≤-27.00	---	---	PASS
				Peak	5700.000	-39.55	≤10.00	---	---	PASS
				Peak	5720.000	-32.55	≤15.60	---	---	PASS
				Peak	5725.000	-28.39	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-34.07 6	≤15.60	---	---	PASS
				Peak	5855.000	-39.31	≤27.00	---	---	PASS
				Peak	5875.000	-38.41	≤15.60	---	---	PASS
				Peak	5925.000	-39.6	≤10.00	---	---	PASS
11N40SISO	Ant1	Low	5755	Peak	5650.000	-39.37 6	≤-27.00	---	---	PASS
				Peak	5700.000	-38.91	≤10.00	---	---	PASS
				Peak	5720.000	-32.31	≤15.60	---	---	PASS
				Peak	5725.000	-27.92	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-38.64 8	≤15.60	---	---	PASS
				Peak	5855.000	-37.27	≤27.00	---	---	PASS
				Peak	5875.000	-37.37	≤15.60	---	---	PASS
				Peak	5925.000	-37.29	≤10.00	---	---	PASS
11AC20SISO	Ant1	Low	5745	Peak	5650.000	-38.32 9	≤-27.00	---	---	PASS
				Peak	5700.000	-38.87	≤10.00	---	---	PASS
				Peak	5720.000	-35.69	≤15.60	---	---	PASS
				Peak	5725.000	-28.69	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-34.17 6	≤15.60	---	---	PASS

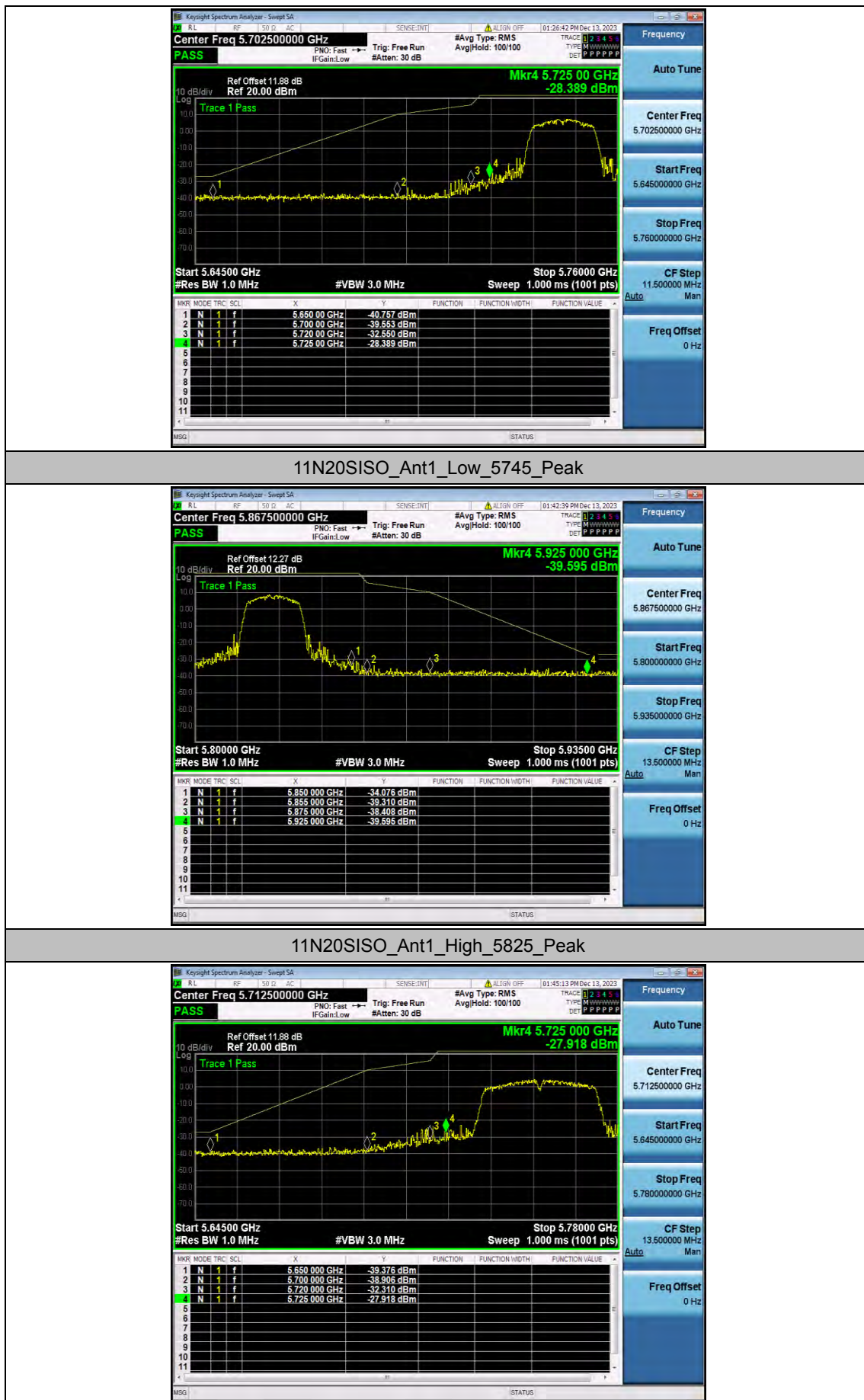
				Peak	5855.000	-36.66	≤ 27.00	---	---	PASS
				Peak	5875.000	-39.31	≤ 15.60	---	---	PASS
				Peak	5925.000	-39.12	≤ 10.00	---	---	PASS
11AC40SI SO	Ant1	Low	5755	Peak	5650.000	-40.27 3	≤ -27.00	---	---	PASS
				Peak	5700.000	-37.47	≤ 10.00	---	---	PASS
				Peak	5720.000	-32.51	≤ 15.60	---	---	PASS
				Peak	5725.000	-29.26	≤ 27.00	---	---	PASS
		High	5795	Peak	5850.000	-38.22 2	≤ 15.60	---	---	PASS
				Peak	5855.000	-38.63	≤ 27.00	---	---	PASS
				Peak	5875.000	-37.6	≤ 15.60	---	---	PASS
				Peak	5925.000	-39.61	≤ 10.00	---	---	PASS
11AC80SI SO	Ant1	Low	5775	Peak	5650.000	-38.2	≤ -27.00	---	---	PASS
				Peak	5700.000	-35.21	≤ 10.00	---	---	PASS
				Peak	5720.000	-34.44	≤ 15.60	---	---	PASS
				Peak	5725.000	-29.92	≤ 27.00	---	---	PASS
		High	5775	Peak	5850.000	-33.89 7	≤ 15.60	---	---	PASS
				Peak	5855.000	-35.3	≤ 27.00	---	---	PASS
				Peak	5875.000	-38.77	≤ 15.60	---	---	PASS
				Peak	5925.000	-40.06	≤ 10.00	---	---	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





11N40SISO_Ant1_Low_5755_Peak



11N40SISO_Ant1_High_5795_Peak



11AC20SISO_Ant1_Low_5745_Peak



11AC20SISO_Ant1_High_5825_Peak



11AC40SISO_Ant1_Low_5755_Peak



11AC40SISO_Ant1_High_5795_Peak



11AC80SISO_Ant1_Low_5775_Peak



11AC80SISO_Ant1_High_5775_Peak