

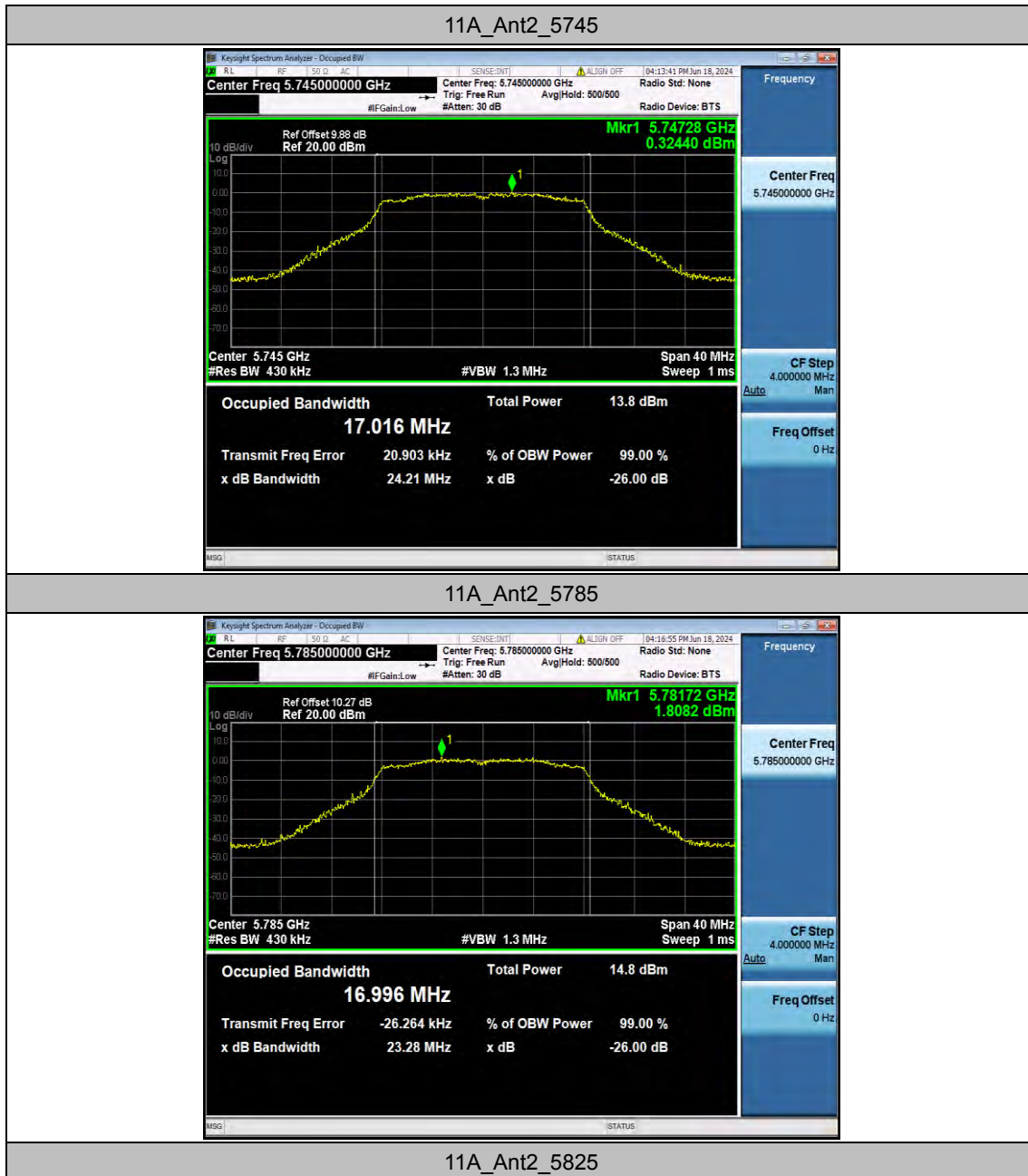
Case No. : <u>CTA24070301904</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.7.10</u>	Test Engineer: <u>Lushan Kong</u>

Appendix E.1: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]
11A	Ant2	5745	17.016	5736.5129	5753.5289
		5785	16.996	5776.4757	5793.4717
		5825	16.978	5816.4896	5833.4676
11N20SISO	Ant2	5745	18.024	5735.9994	5754.0234
		5785	17.982	5775.9803	5793.9623
		5825	18.017	5816.0193	5834.0363
11N40SISO	Ant2	5755	36.246	5736.9390	5773.1850
		5795	36.245	5776.9007	5813.1457
11AC20SISO	Ant2	5745	18.058	5736.0116	5754.0696
		5785	18.062	5775.9626	5794.0246
		5825	17.999	5815.9889	5833.9879
11AC40SISO	Ant2	5755	36.281	5736.9342	5773.2152
		5795	36.275	5776.8908	5813.1658
11AC80SISO	Ant2	5775	75.181	5737.5697	5812.7507

Test Graphs

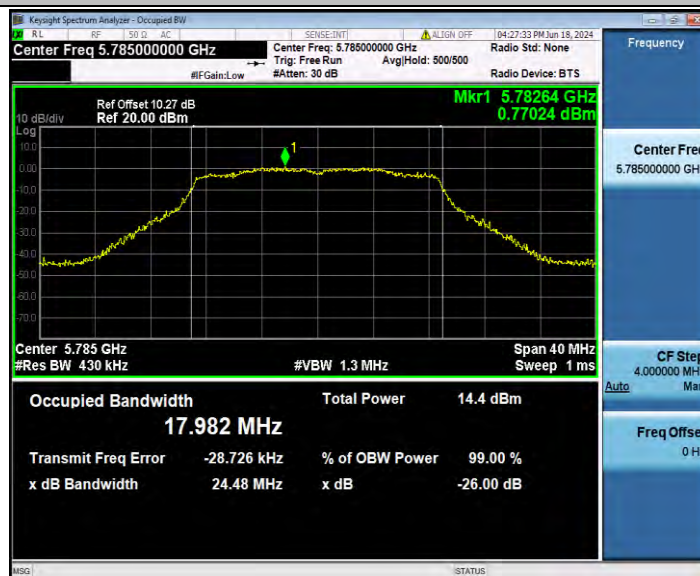




11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



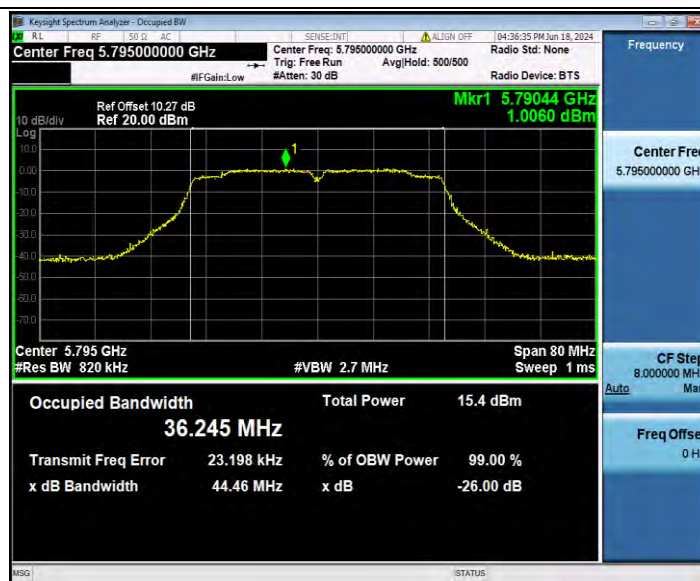
11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



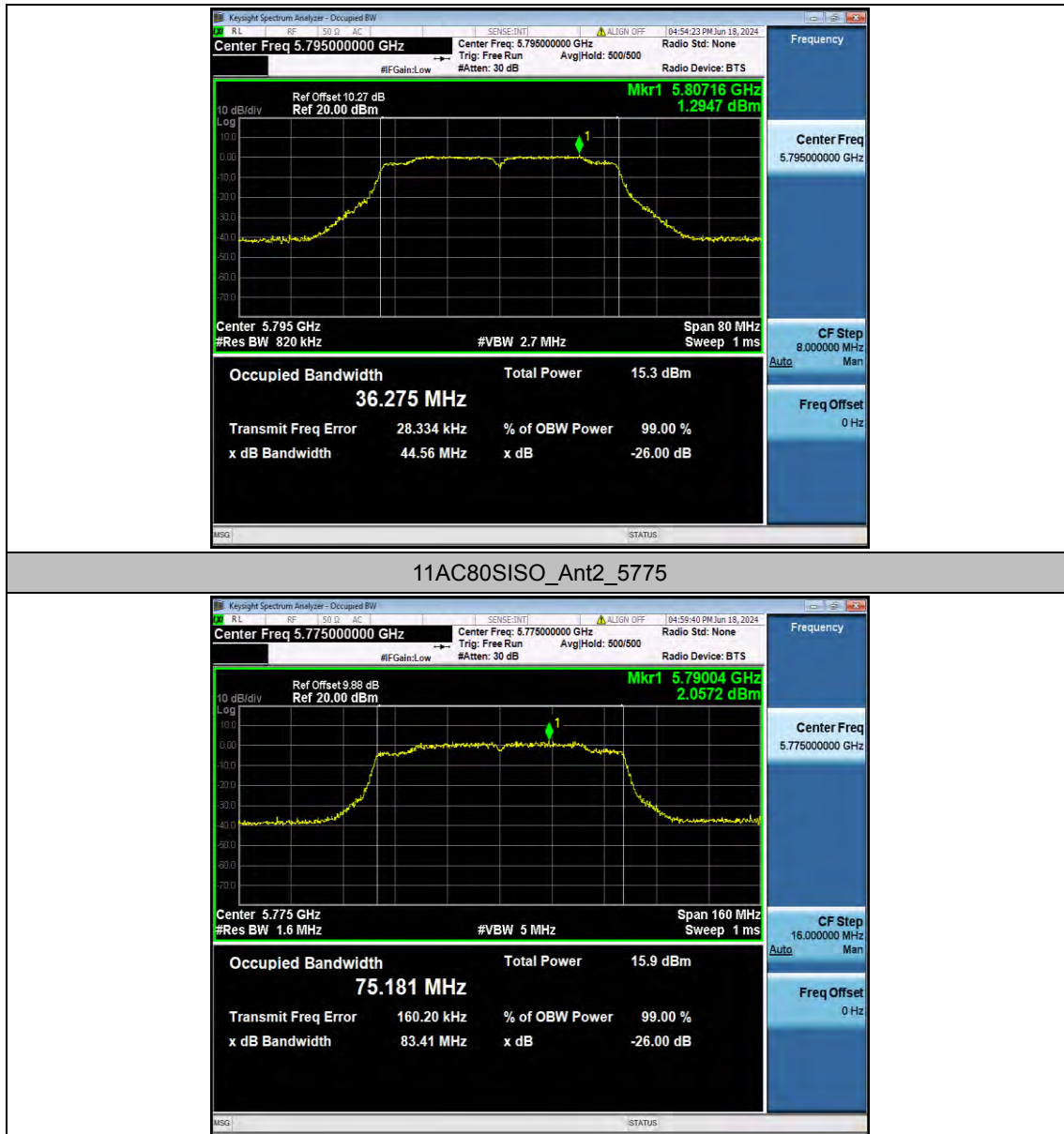
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



Appendix E.2: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	15.240	5737.440	5752.680	0.5	PASS
		5785	15.120	5777.440	5792.560	0.5	PASS
		5825	15.160	5817.400	5832.560	0.5	PASS
11N20SISO	Ant2	5745	15.160	5737.400	5752.560	0.5	PASS
		5785	15.160	5777.400	5792.560	0.5	PASS
		5825	15.000	5817.480	5832.480	0.5	PASS
11N40SISO	Ant2	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant2	5745	15.040	5737.440	5752.480	0.5	PASS
		5785	15.080	5777.440	5792.520	0.5	PASS
		5825	15.160	5817.400	5832.560	0.5	PASS
11AC40SISO	Ant2	5755	35.040	5737.480	5772.520	0.5	PASS
		5795	35.040	5777.480	5812.520	0.5	PASS
11AC80SISO	Ant2	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

11A_Ant2_5745



11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5745



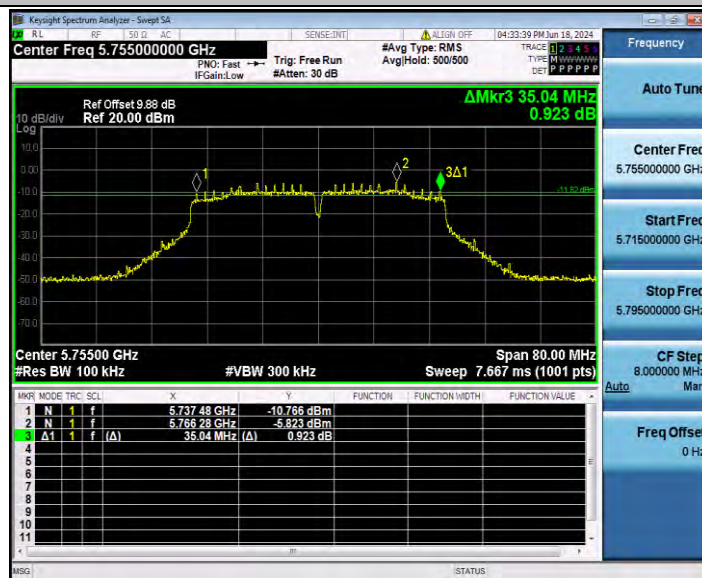
11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795

11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



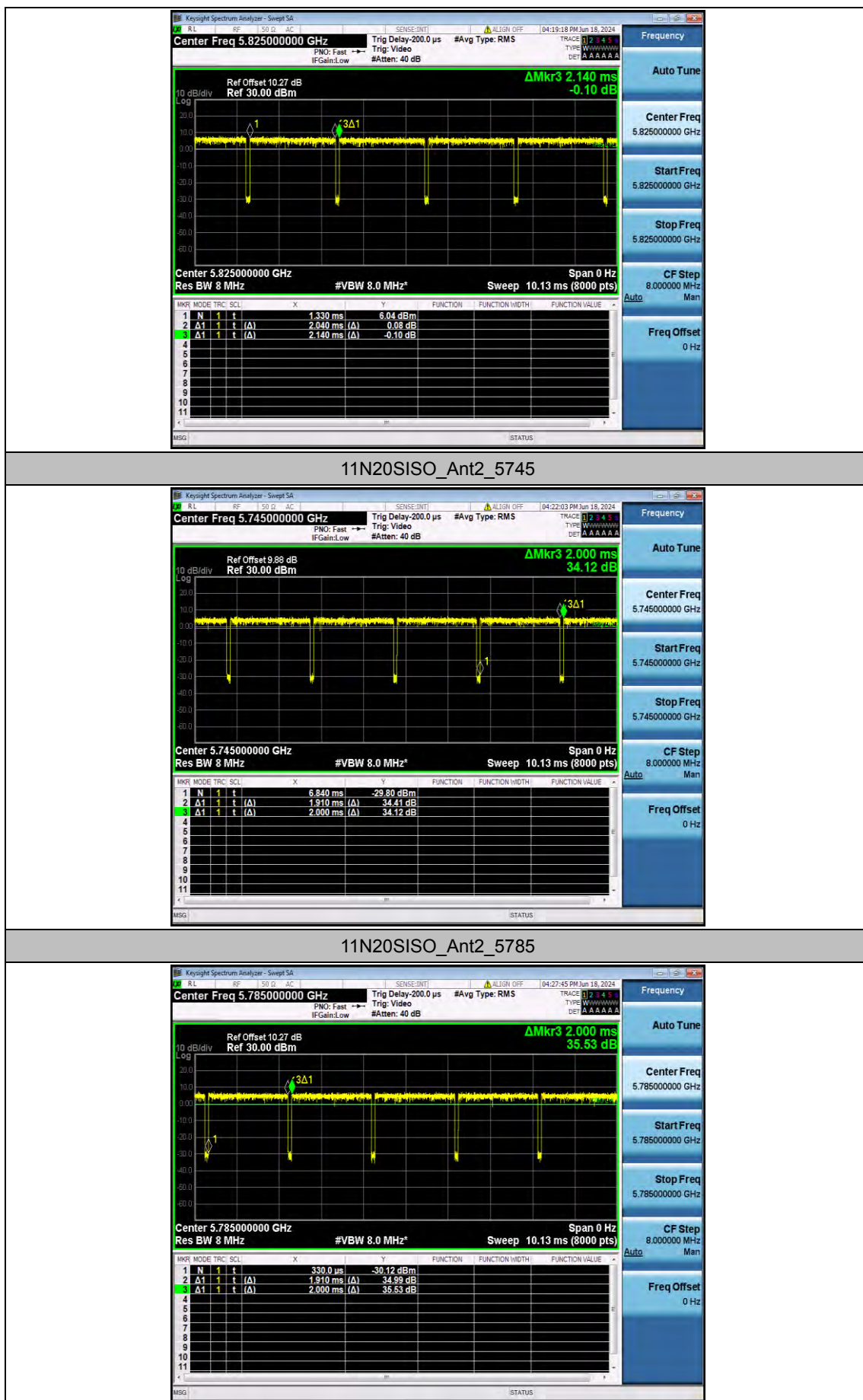
11AC40SISO_Ant2_5795



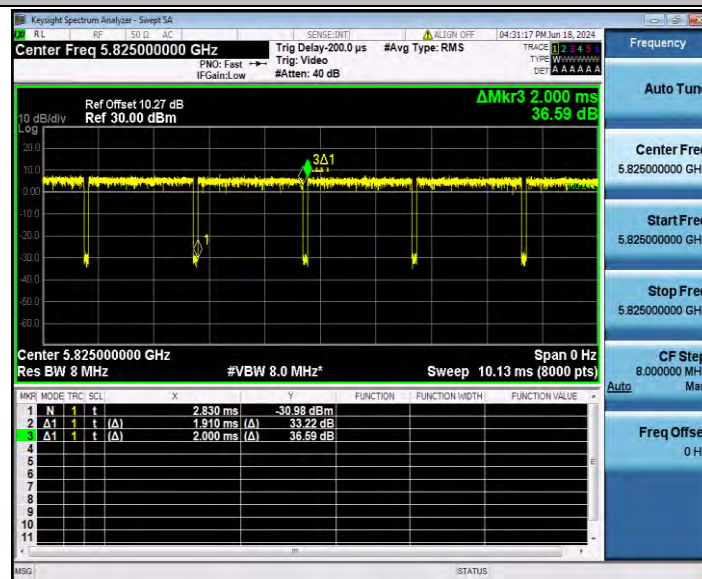
Appendix E.3: Duty Cycle

Test Result

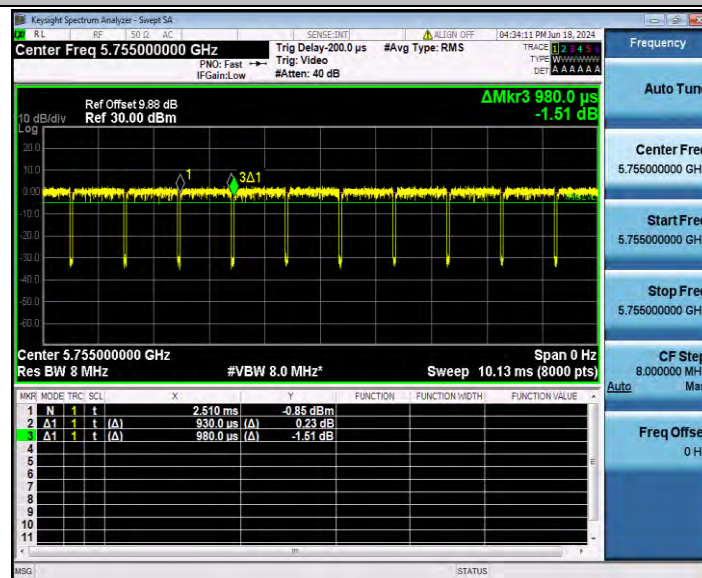
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5745	2.05	2.14	95.79	0.19	0.49
		5785	2.04	2.13	95.77	0.19	0.49
		5825	2.04	2.14	95.33	0.21	0.49
11N20SISO	Ant2	5745	1.91	2.00	95.50	0.20	0.52
		5785	1.91	2.00	95.50	0.20	0.52
		5825	1.91	2.00	95.50	0.20	0.52
11N40SISO	Ant2	5755	0.93	0.98	94.90	0.23	1.08
		5795	0.94	0.98	95.92	0.18	1.06
11AC20SISO	Ant2	5745	1.91	2.00	95.50	0.20	0.52
		5785	1.92	2.00	96.00	0.18	0.52
		5825	1.91	2.00	95.50	0.20	0.52
11AC40SISO	Ant2	5755	0.94	0.99	94.95	0.23	1.06
		5795	0.94	0.99	94.95	0.23	1.06
11AC80SISO	Ant2	5775	0.46	0.50	92.00	0.36	2.17



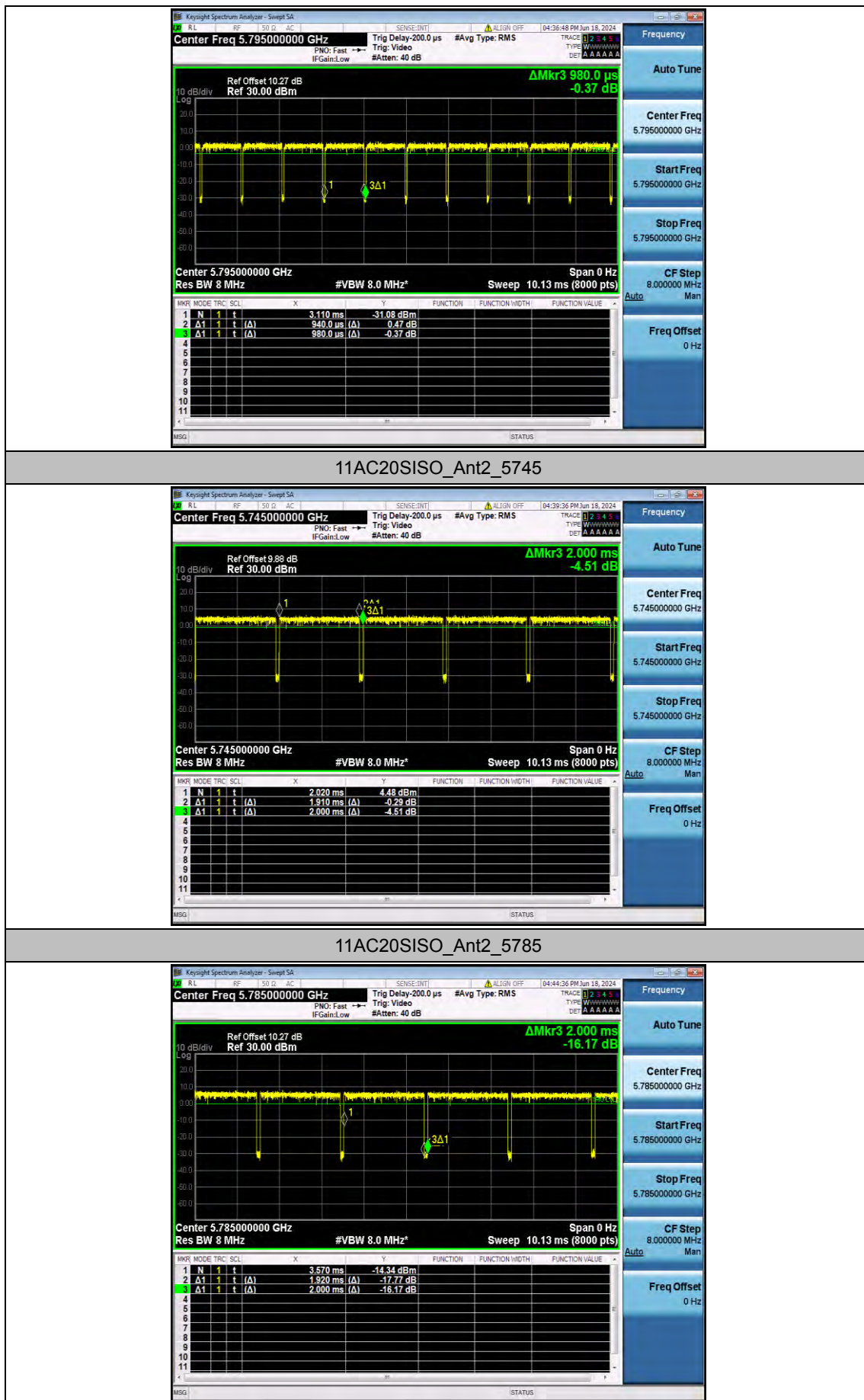
11N20SISO_Ant2_5825



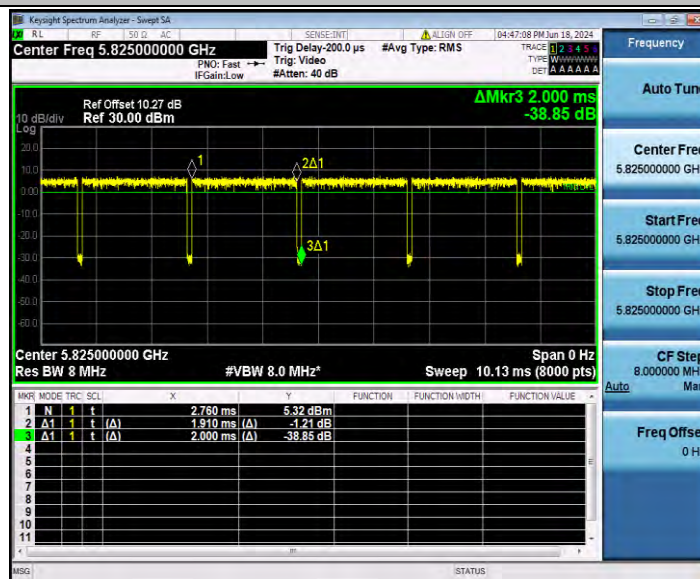
11N40SISO_Ant2_5755



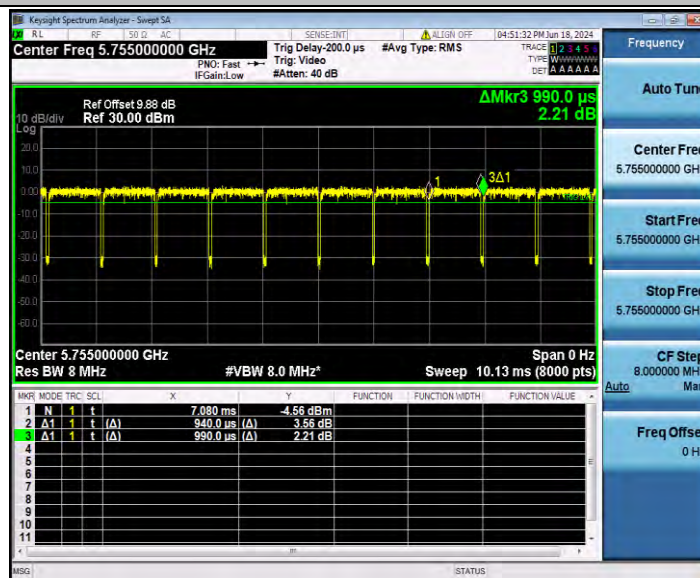
11N40SISO_Ant2_5795



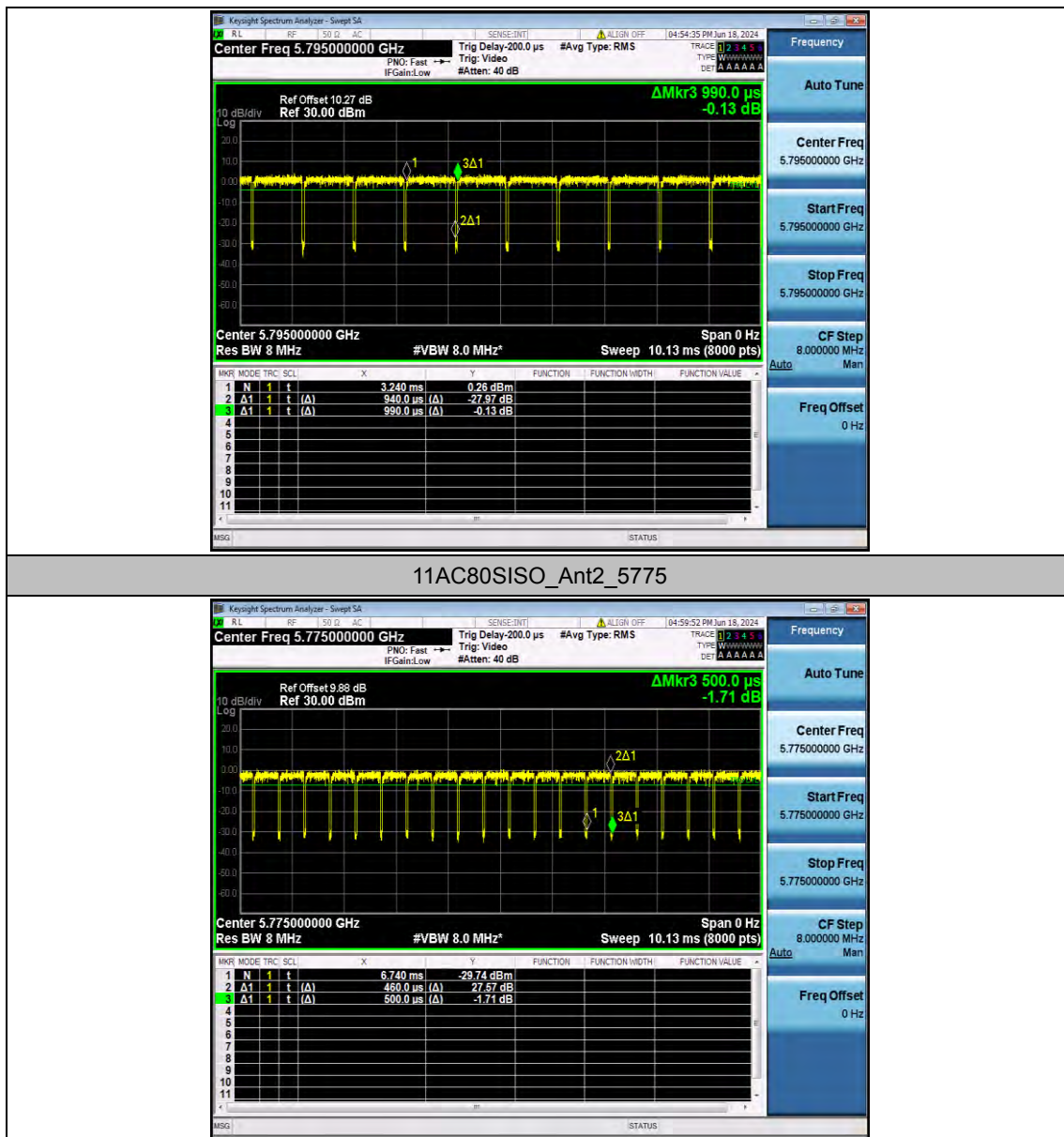
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_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	Ant2	5745	6.76	95.79	0.19	6.95	≤30.00	PASS
		5785	7.83	95.77	0.19	8.02	≤30.00	PASS
		5825	7.72	95.33	0.21	7.93	≤30.00	PASS
11N20SISO	Ant2	5745	6.69	95.50	0.20	6.89	≤30.00	PASS
		5785	7.64	95.50	0.20	7.84	≤30.00	PASS
		5825	7.41	95.50	0.20	7.61	≤30.00	PASS
11N40SISO	Ant2	5755	6.65	94.90	0.23	6.88	≤30.00	PASS
		5795	7.58	95.92	0.18	7.76	≤30.00	PASS
11AC20SISO	Ant2	5745	6.73	95.50	0.20	6.93	≤30.00	PASS
		5785	7.58	96.00	0.18	7.76	≤30.00	PASS
		5825	7.49	95.50	0.20	7.69	≤30.00	PASS
11AC40SISO	Ant2	5755	6.61	94.95	0.23	6.84	≤30.00	PASS
		5795	7.50	94.95	0.23	7.73	≤30.00	PASS
11AC80SISO	Ant2	5775	6.79	92.00	0.36	7.15	≤30.00	PASS

Note:

1. The Duty Cycle Factor is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the data.

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5745	-6.65	≤30.00	PASS
		5785	-5.80	≤30.00	PASS
		5825	-5.93	≤30.00	PASS
11N20SISO	Ant2	5745	-7.13	≤30.00	PASS
		5785	-6.16	≤30.00	PASS
		5825	-6.21	≤30.00	PASS
11N40SISO	Ant2	5755	-9.95	≤30.00	PASS
		5795	-9.42	≤30.00	PASS
11AC20SISO	Ant2	5745	-7.10	≤30.00	PASS
		5785	-6.23	≤30.00	PASS
		5825	-6.20	≤30.00	PASS
11AC40SISO	Ant2	5755	-10.05	≤30.00	PASS
		5795	-9.44	≤30.00	PASS
11AC80SISO	Ant2	5775	-12.61	≤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_Ant2_5745



11A_Ant2_5785



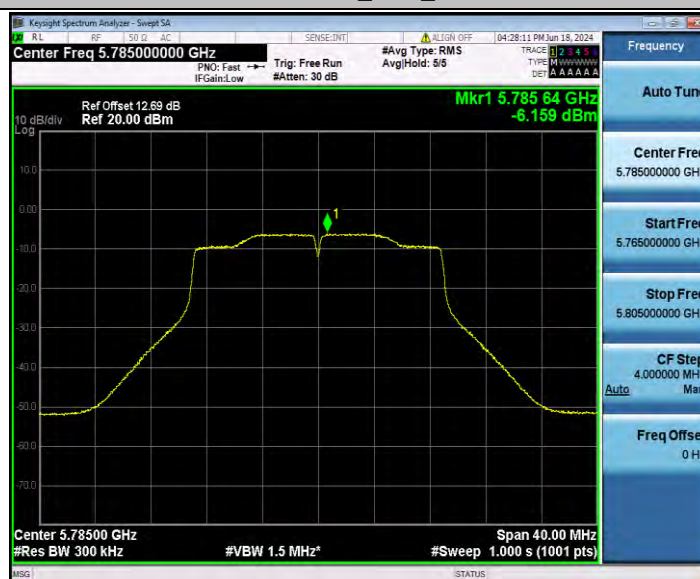
11A_Ant2_5825



11N20SISO_Ant2_5745



11N20SISO_Ant2_5785



11N20SISO_Ant2_5825



11N40SISO_Ant2_5755



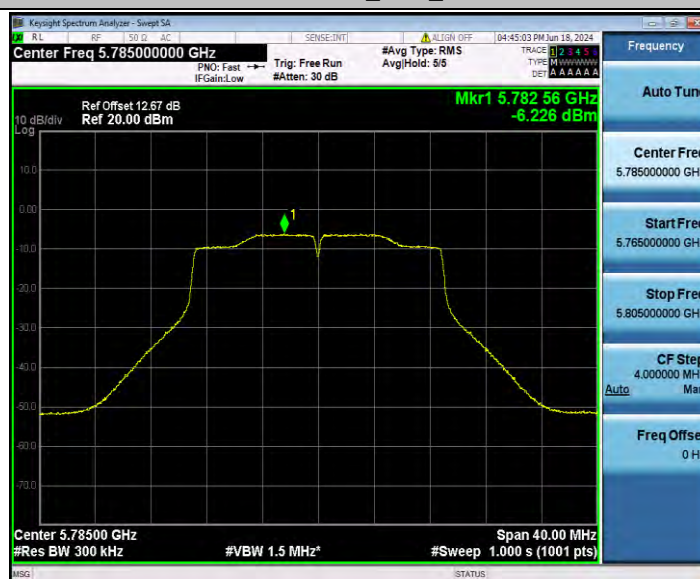
11N40SISO_Ant2_5795



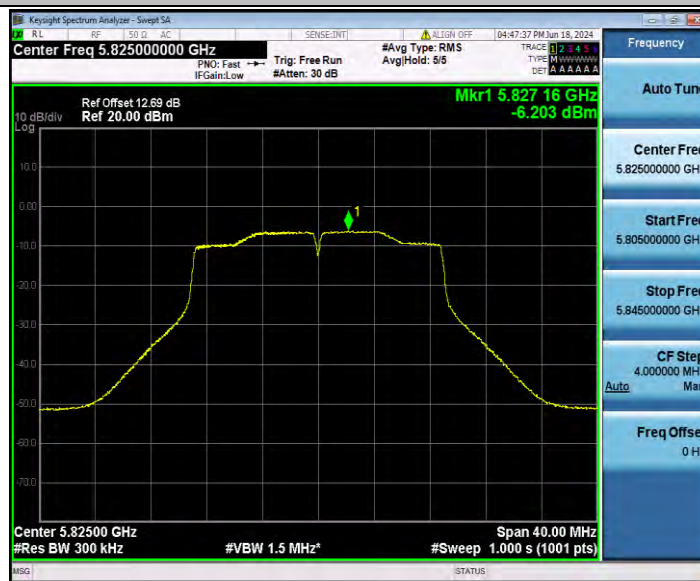
11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



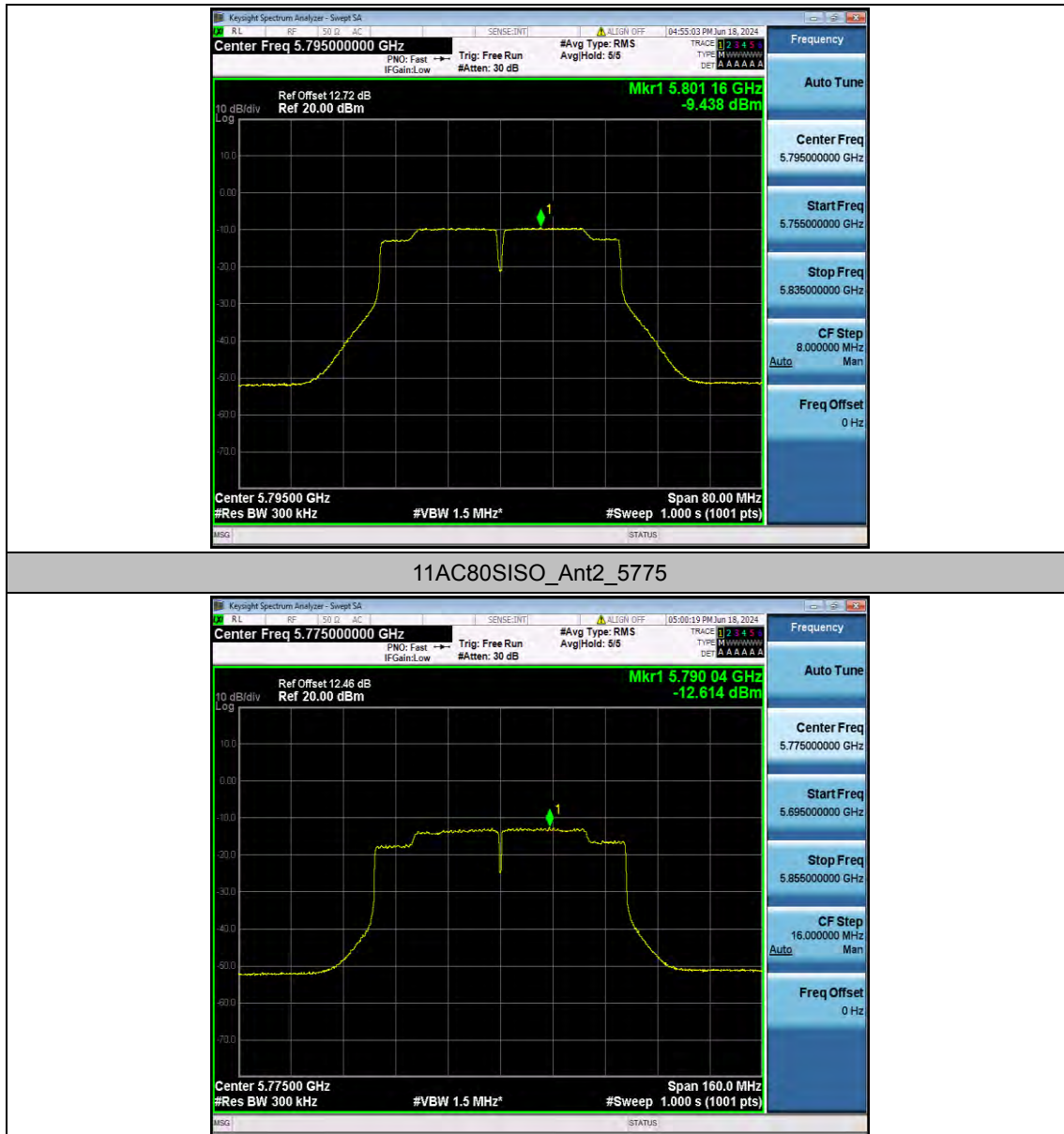
11AC20SISO_Ant2_5825



11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



Appendix E.6: Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	Low	5745	5650~5700	-39.71	≤ -26.70	PASS
				5700~5720	-39.23	≤ 10.54	PASS
				5720~5725	-39.72	≤ 15.82	PASS
				5760~5650	-39.25	≤ -27	PASS
		High	5825	5850~5855	-40.37	≤ 16.03	PASS
				5855~5875	-37.38	≤ 10.36	PASS
				5875~5925	-39.82	≤ -26.61	PASS
				5925~5935	-37.96	≤ -27	PASS
11N20SI SO	Ant2	Low	5745	5650~5700	-39.84	≤ -26.96	PASS
				5700~5720	-40.17	≤ 10.18	PASS
				5720~5725	-40.82	≤ 15.82	PASS
				5760~5650	-39.61	≤ -27	PASS
		High	5825	5850~5855	-40.78	≤ 15.73	PASS
				5855~5875	-38.74	≤ 10.59	PASS
				5875~5925	-38.56	≤ -26.31	PASS
				5925~5935	-38.4	≤ -27	PASS
11N40SI SO	Ant2	Low	5755	5650~5700	-40.26	≤ -26.80	PASS
				5700~5720	-39.93	≤ 10.32	PASS
				5720~5725	-38.73	≤ 15.74	PASS
				5780~5650	-40.03	≤ -27	PASS
		High	5795	5850~5855	-39.99	≤ 15.66	PASS
				5855~5875	-39.31	≤ 10.57	PASS
				5875~5925	-37.74	≤ -26.22	PASS
				5925~5935	-38.39	≤ -27	PASS
11AC20S ISO	Ant2	Low	5745	5650~5700	-40.71	≤ -26.96	PASS
				5700~5720	-38.5	≤ 11.41	PASS
				5720~5725	-39.77	≤ 16.60	PASS
				5760~5650	-39.58	≤ -27	PASS
		High	5825	5850~5855	-40.16	≤ 15.73	PASS
				5855~5875	-38.35	≤ 10.78	PASS
				5875~5925	-39.62	≤ -26.51	PASS
				5925~5935	-37.85	≤ -27	PASS
11AC40S ISO	Ant2	Low	5755	5650~5700	-40.01	≤ -26.20	PASS
				5700~5720	-39.06	≤ 10.70	PASS
				5720~5725	-40.91	≤ 16.04	PASS
				5780~5650	-40.5	≤ -27	PASS

		High	5795	5850~5855	-38.77	≤ 16.03	PASS
				5855~5875	-38.91	≤ 10.06	PASS
				5875~5925	-39.07	≤ -26.34	PASS
				5925~5935	-38.73	≤ -27	PASS
11AC80S ISO	Ant2	Low	5775	5650~5700	-40.53	≤ -26.57	PASS
				5700~5720	-40.56	≤ 10.05	PASS
				5720~5725	-40.69	≤ 15.65	PASS
				5800~5650	-39.64	≤ -27	PASS
		High	5775	5850~5855	-40.28	≤ 15.84	PASS
				5855~5875	-37.03	≤ 10.40	PASS
				5875~5925	-38.18	≤ -26.60	PASS
				5925~5935	-39.09	≤ -27	PASS

Test Graphs B4

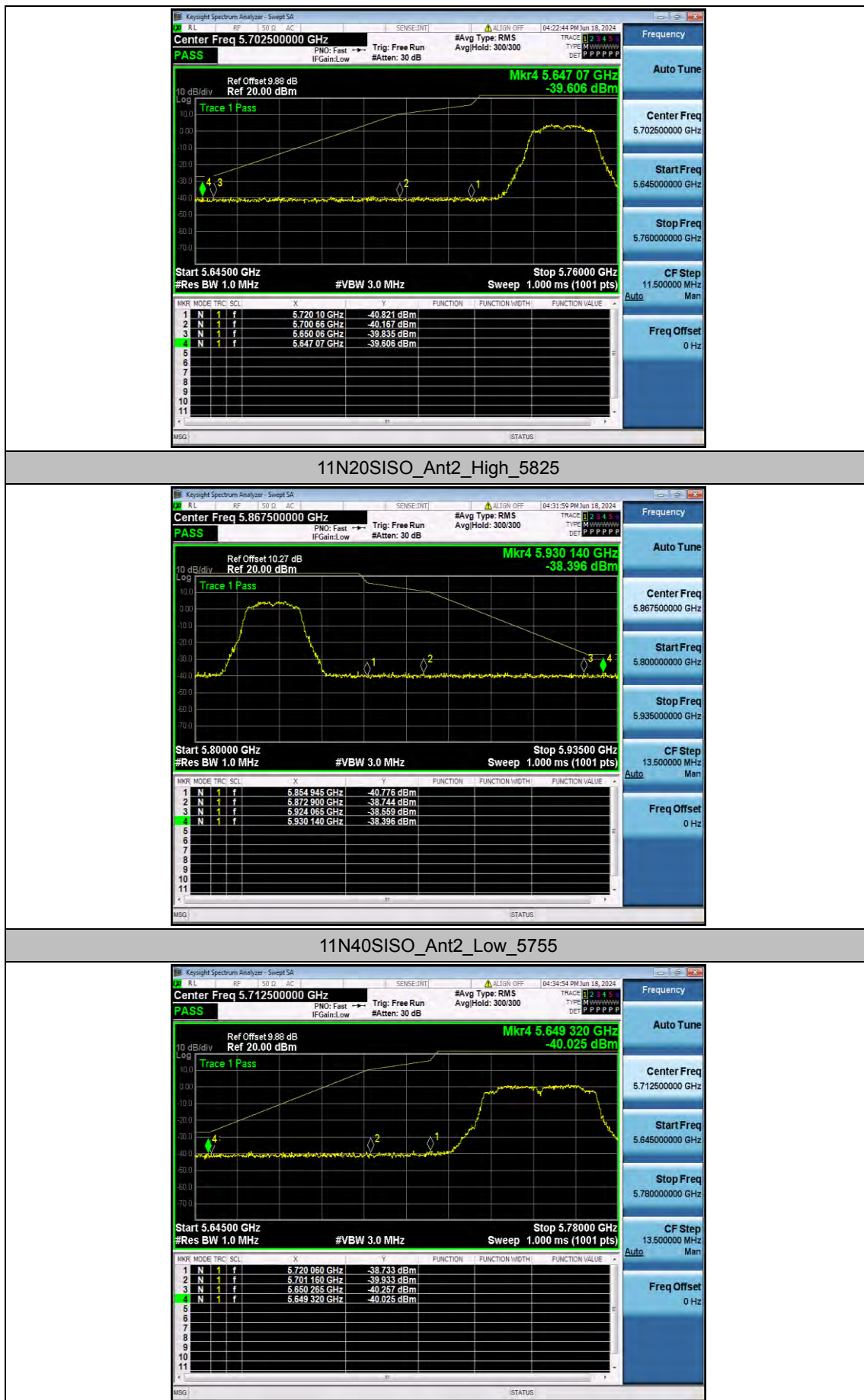
11A_Ant2_Low_5745



11A_Ant2_High_5825



11N20SISO_Ant2_Low_5745



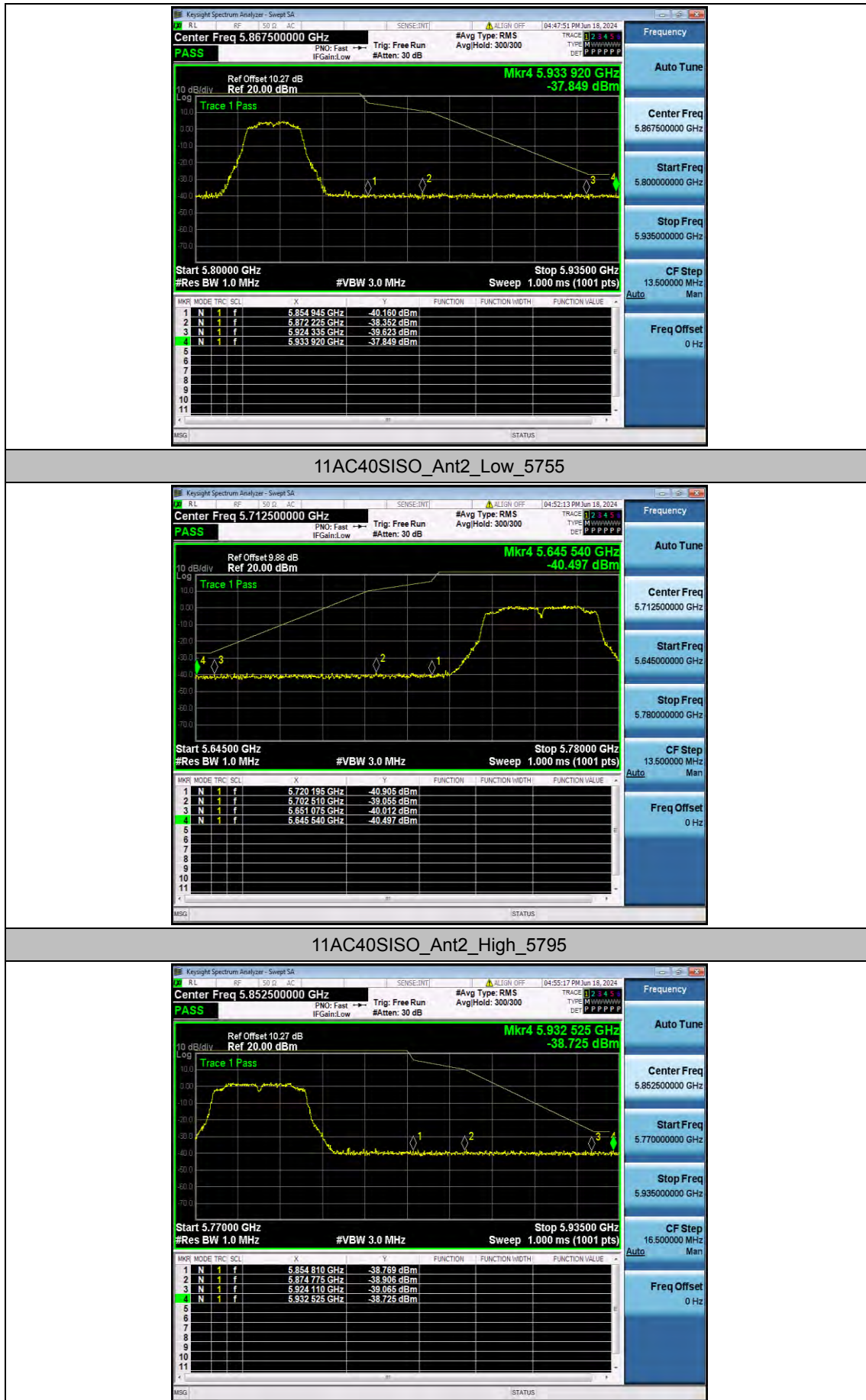
11N40SISO_Ant2_High_5795



11AC20SISO_Ant2_Low_5745



11AC20SISO_Ant2_High_5825



11AC80SISO_Ant2_Low_5775



11AC80SISO_Ant2_High_5775

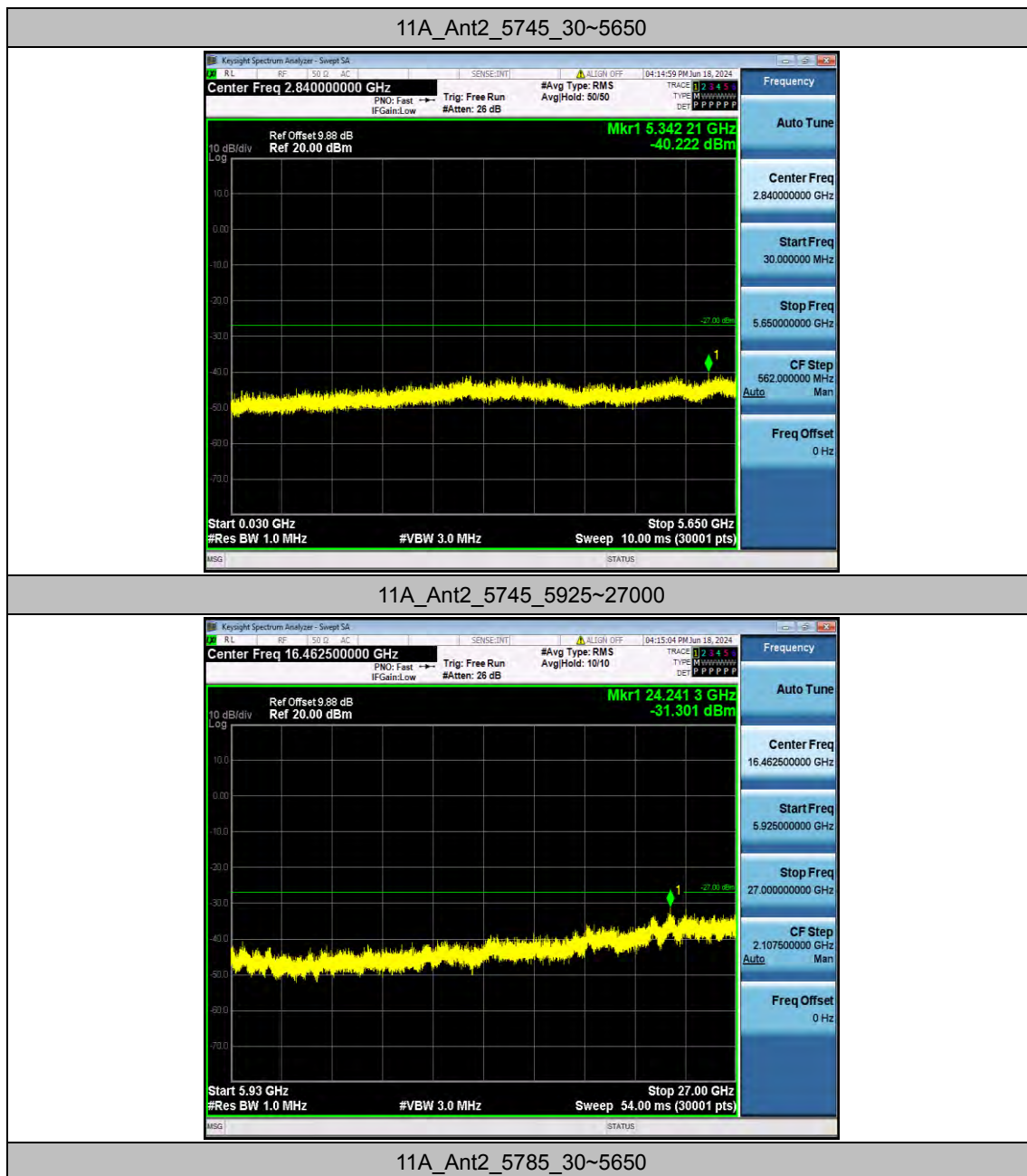


Appendix E.7: Conducted Spurious Emission

Test Result

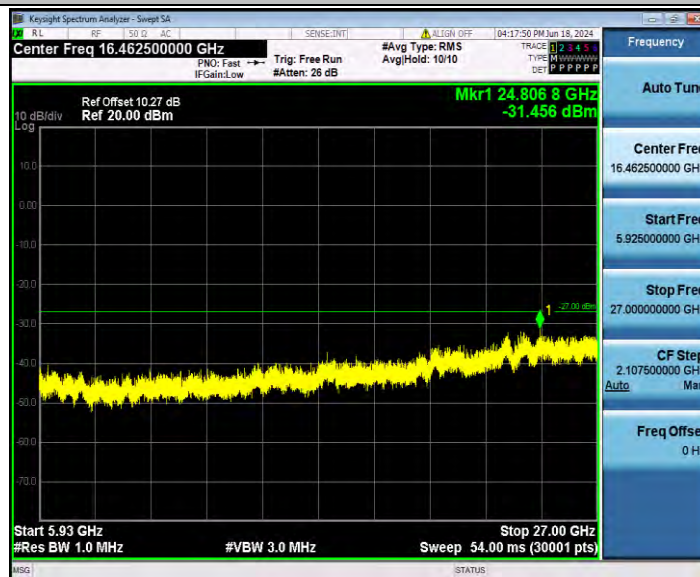
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant2	5745	30~5650	5342.21	-40.22	≤-27	PASS
			5925~27000	24241.28	-31.3	≤-27	PASS
		5785	30~5650	5437.56	-39.84	≤-27	PASS
			5925~27000	24806.8	-31.46	≤-27	PASS
		5825	30~5650	1761.9	-29.7	≤-27	PASS
			5925~27000	25597.11	-31.96	≤-27	PASS
11N20SISO	Ant2	5745	30~5650	5538.54	-40.2	≤-27	PASS
			5925~27000	25028.79	-31.89	≤-27	PASS
		5785	30~5650	5510.62	-39.58	≤-27	PASS
			5925~27000	24256.04	-31.92	≤-27	PASS
		5825	30~5650	5486.65	-39.95	≤-27	PASS
			5925~27000	23493.82	-32.23	≤-27	PASS
11N40SISO	Ant2	5755	30~5650	5430.45	-40.03	≤-27	PASS
			5925~27000	26815.24	-32.56	≤-27	PASS
		5795	30~5650	4517.76	-39.93	≤-27	PASS
			5925~27000	26494.2	-31.85	≤-27	PASS
11AC20SISO	Ant2	5745	30~5650	4960.61	-40.18	≤-27	PASS
			5925~27000	23609.74	-32.29	≤-27	PASS
		5785	30~5650	5454.24	-39.85	≤-27	PASS
			5925~27000	23490.31	-32.08	≤-27	PASS
		5825	30~5650	5467.16	-39.88	≤-27	PASS
			5925~27000	26600.98	-31.17	≤-27	PASS
11AC40SISO	Ant2	5755	30~5650	2632.62	-40.26	≤-27	PASS
			5925~27000	26072.7	-32.17	≤-27	PASS
		5795	30~5650	5501.26	-39.25	≤-27	PASS
			5925~27000	24245.5	-31.85	≤-27	PASS
11AC80SISO	Ant2	5775	30~5650	5467.35	-39.89	≤-27	PASS
			5925~27000	26068.49	-32.19	≤-27	PASS

Test Graphs

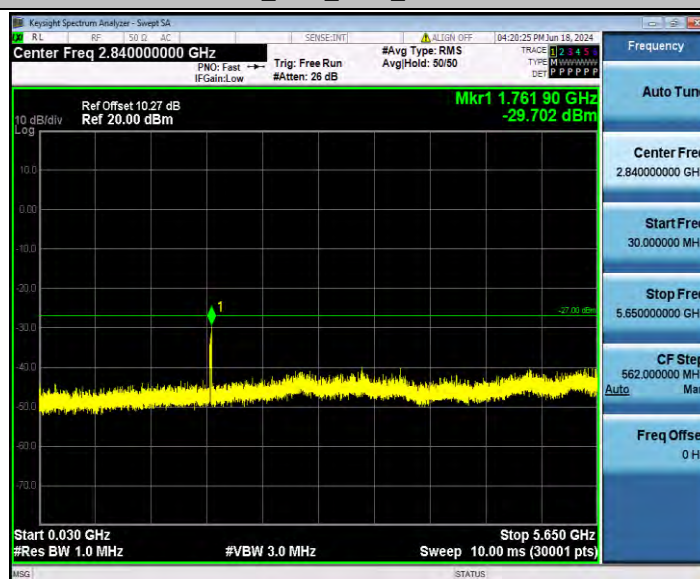




11A_Ant2_5785_5925~27000



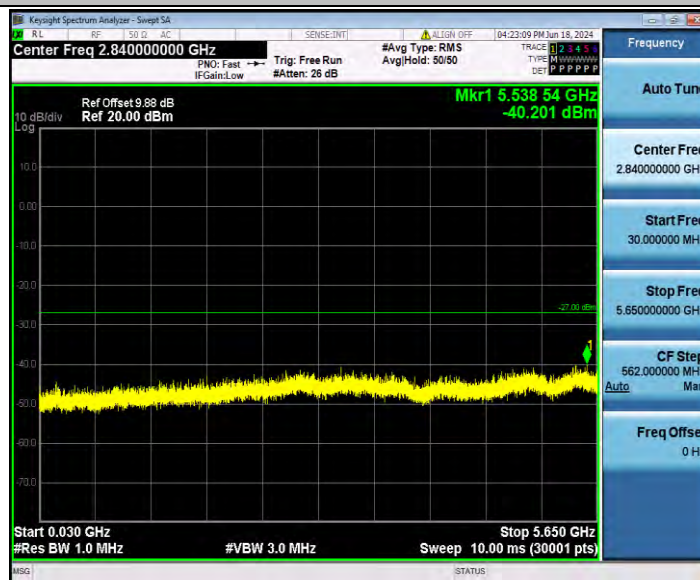
11A_Ant2_5825_30~5650



11A_Ant2_5825_5925~27000



11N20SISO_Ant2_5745_30~5650



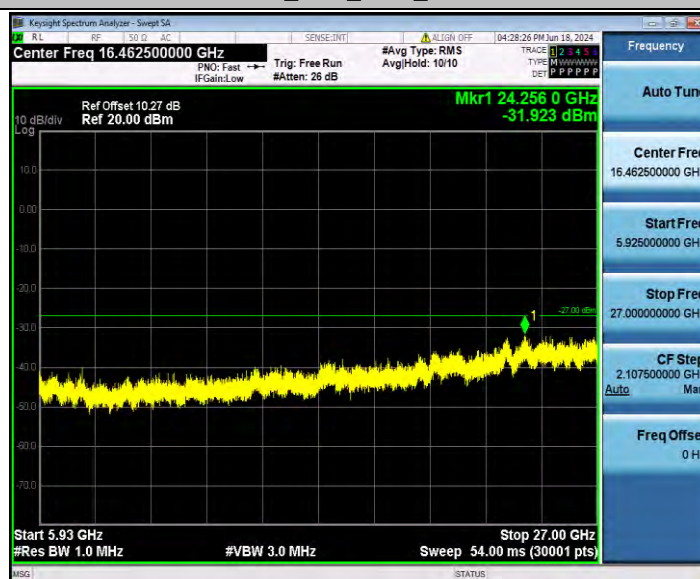
11N20SISO_Ant2_5745_5925~27000



11N20SISO_Ant2_5785_30~5650



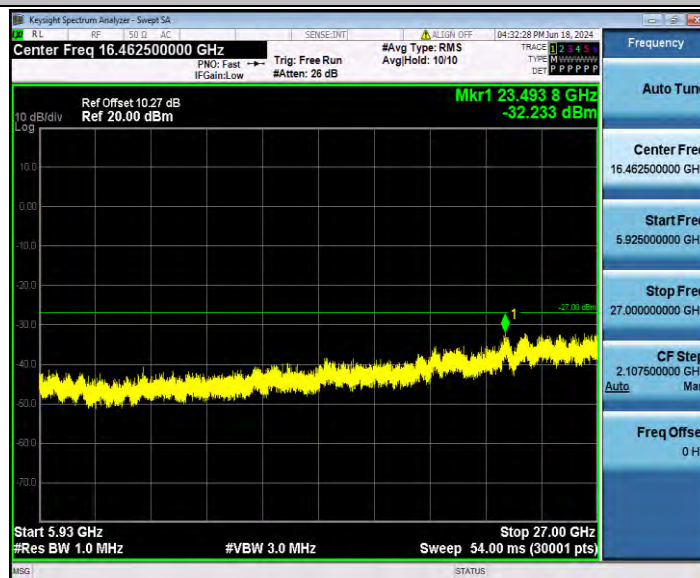
11N20SISO_Ant2_5785_5925~27000



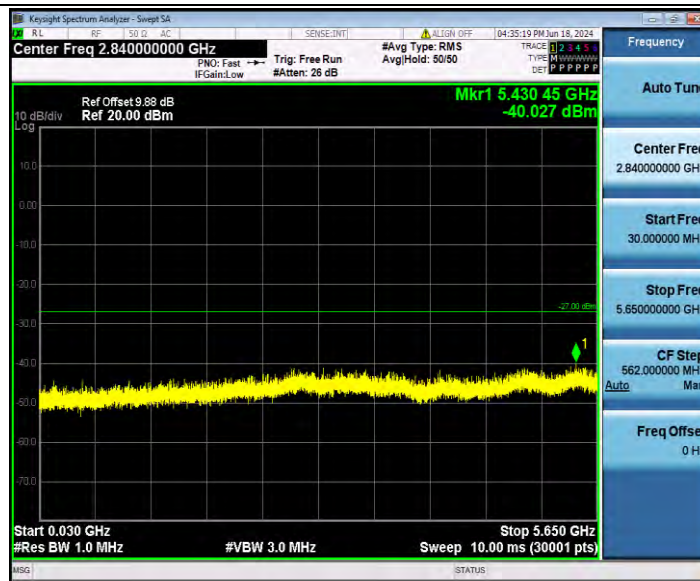
11N20SISO_Ant2_5825_30~5650



11N20SISO_Ant2_5825_5925~27000



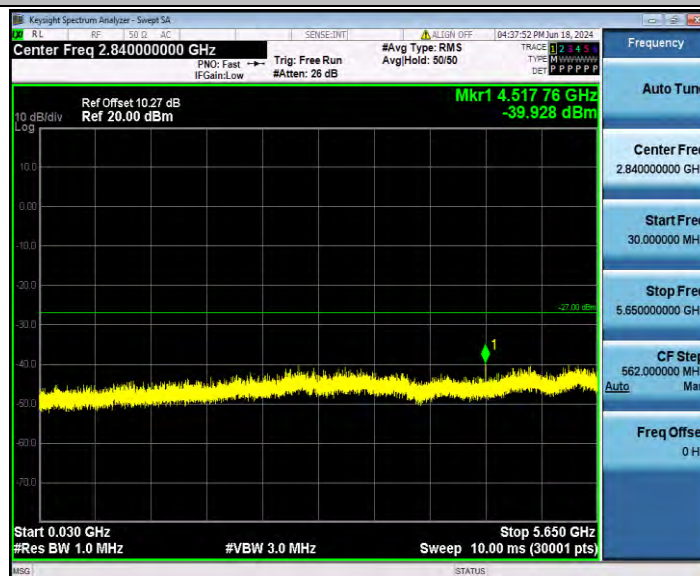
11N40SISO_Ant2_5755_30~5650



11N40SISO_Ant2_5755_5925~27000



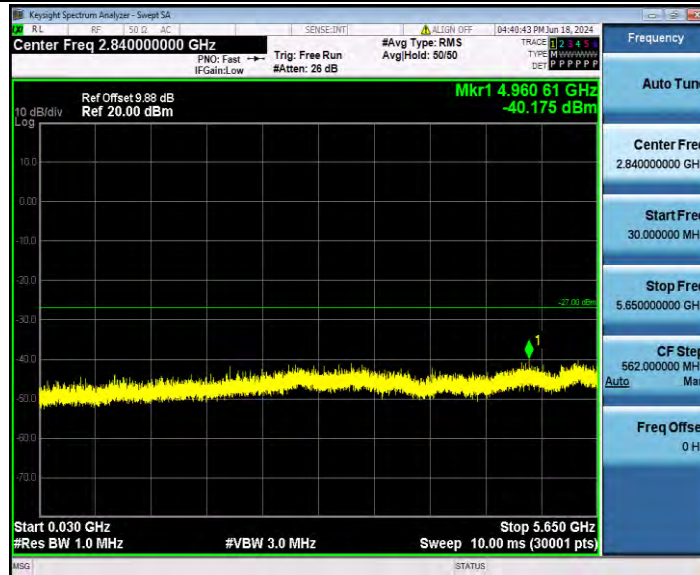
11N40SISO_Ant2_5795_30~5650



11N40SISO_Ant2_5795_5925~27000



11AC20SISO_Ant2_5745_30~5650



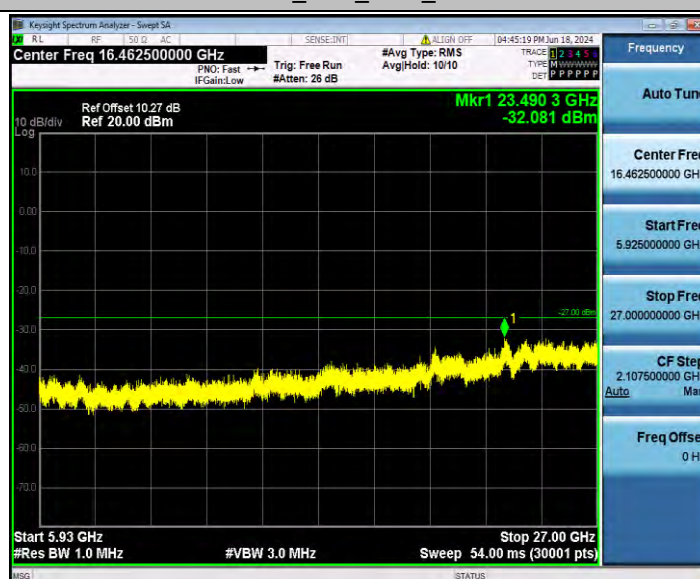
11AC20SISO_Ant2_5745_5925~27000



11AC20SISO_Ant2_5785_30~5650



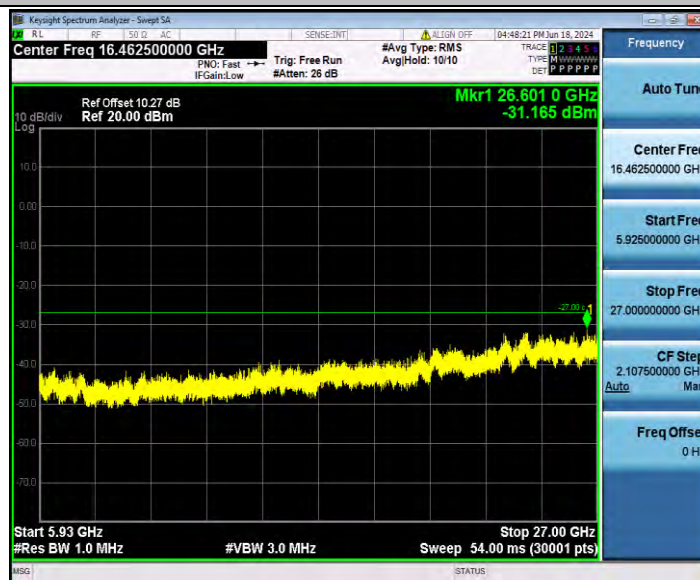
11AC20SISO_Ant2_5785_5925~27000



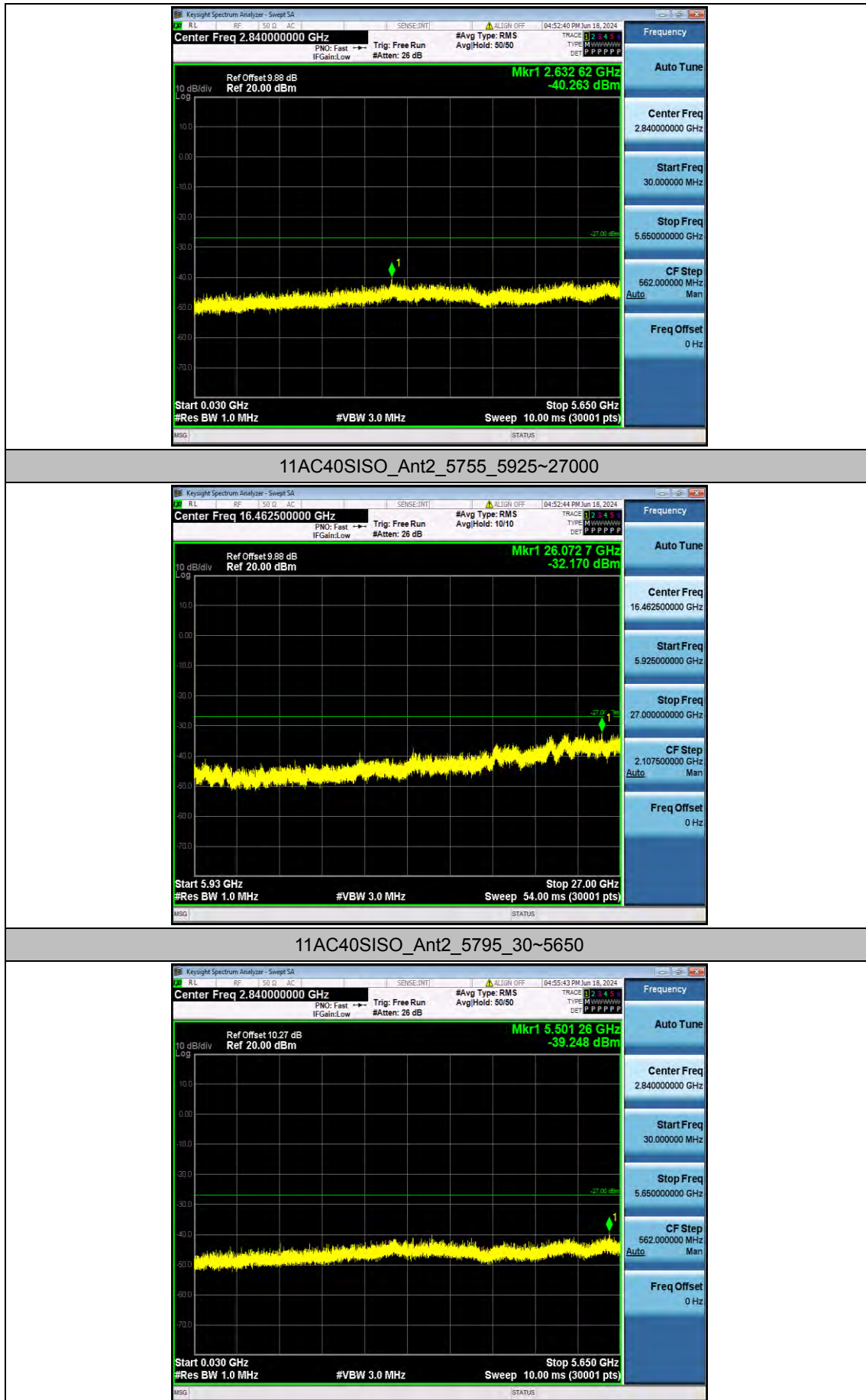
11AC20SISO_Ant2_5825_30~5650



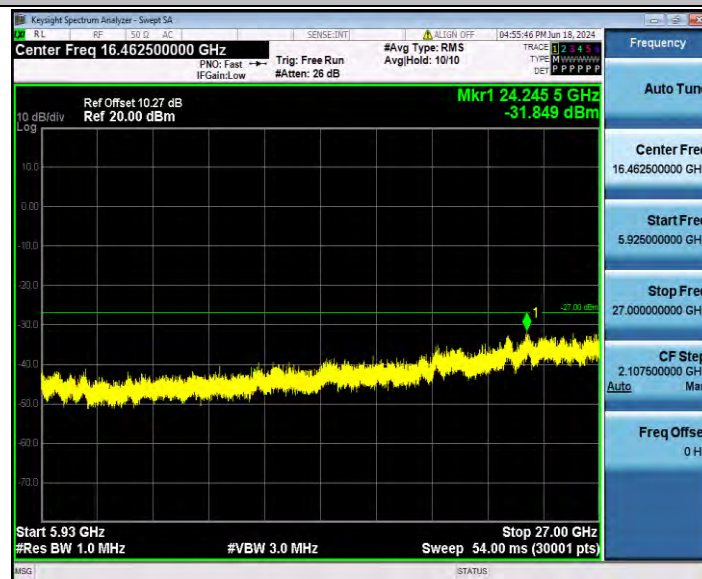
11AC20SISO_Ant2_5825_5925~27000



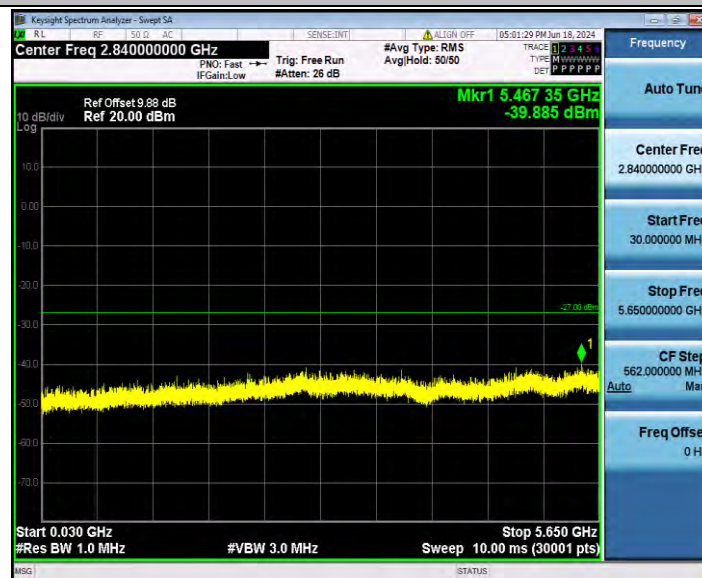
11AC40SISO_Ant2_5755_30~5650



11AC40SISO_Ant2_5795_5925~27000



11AC80SISO_Ant2_5775_30~5650



11AC80SISO_Ant2_5775_5925~27000

