

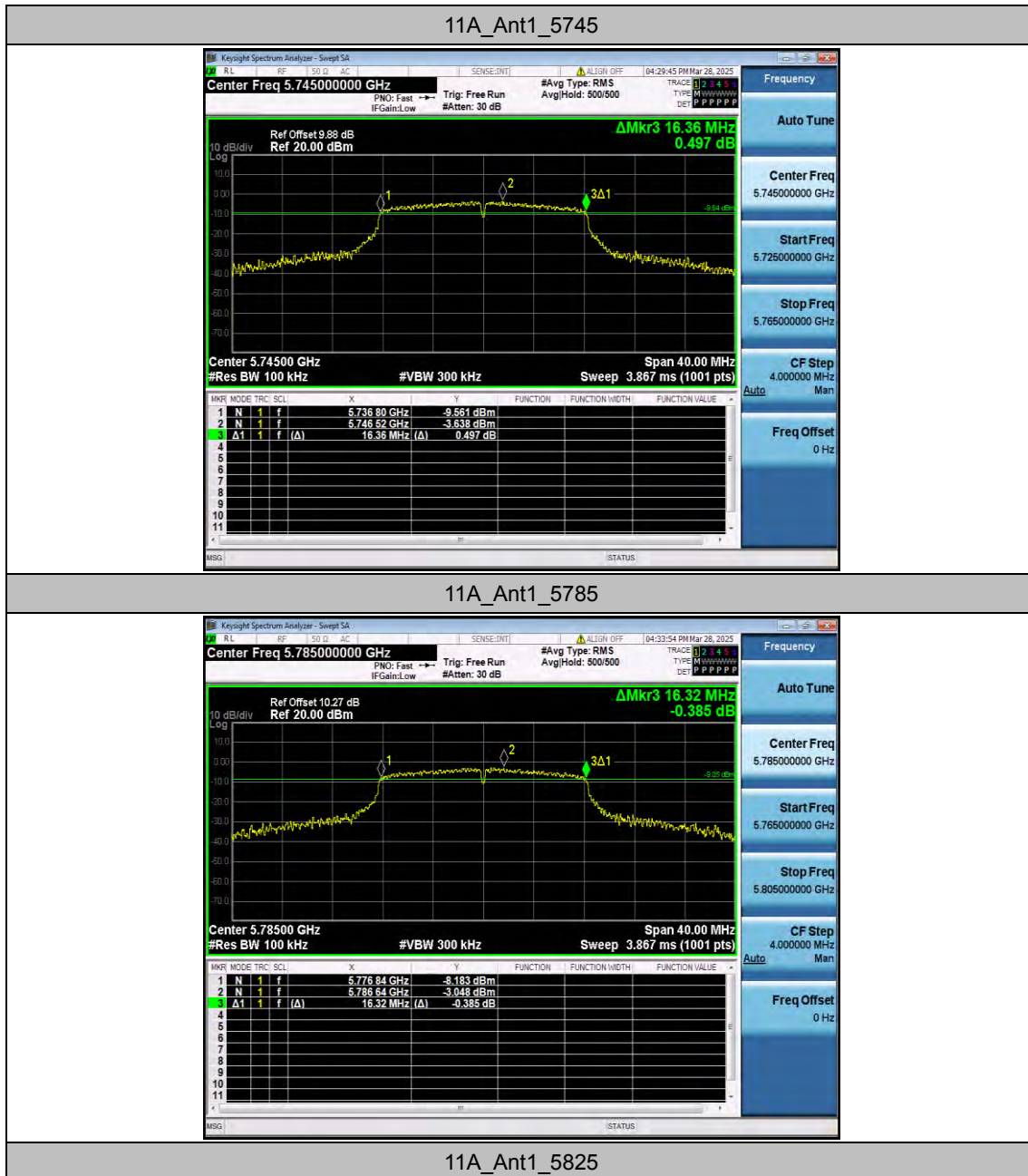
Case No. : <u>GTS20250313007-2-04</u>	
Ambient Condition: <u>22</u> °C, <u>49</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.3.28</u>	Test Engineer: <u>Evan ouyang</u>

Appendix G.1: Min emission bandwidth

Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.360	5736.800	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.240	5776.840	5813.080	0.5	PASS
11AC20SISO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.600	5816.200	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	35.840	5777.080	5812.920	0.5	PASS
11AC80SISO	Ant1	5775	76.000	5736.760	5812.760	0.5	PASS

Test Graphs B4





11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



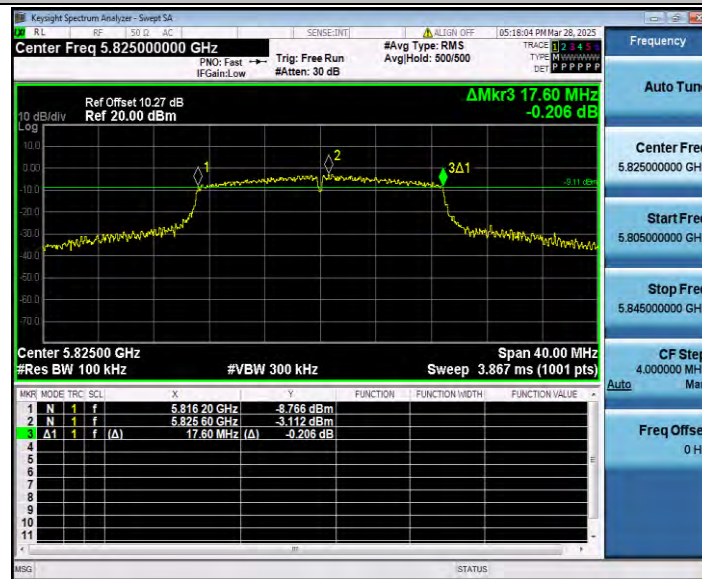
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



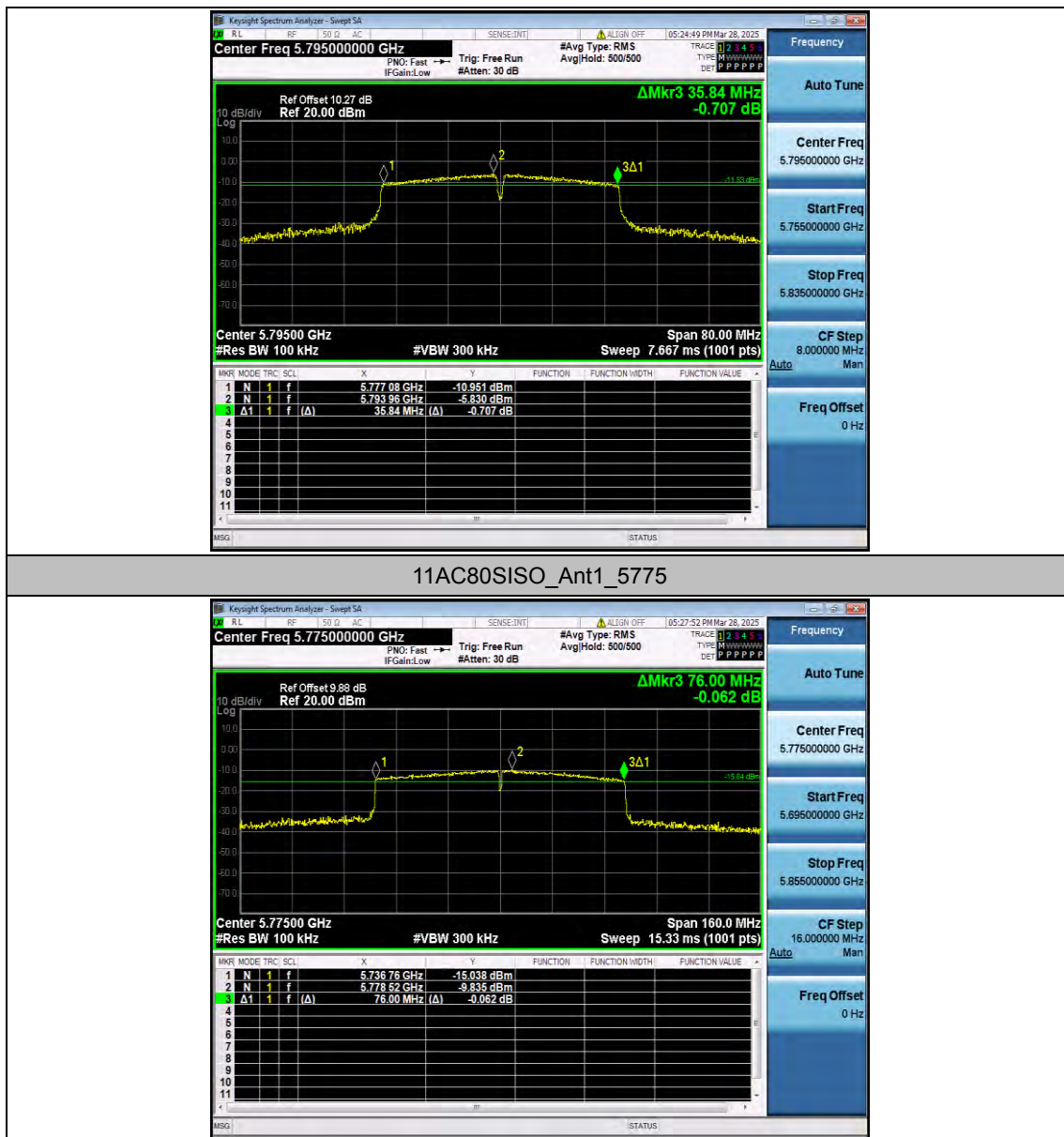
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

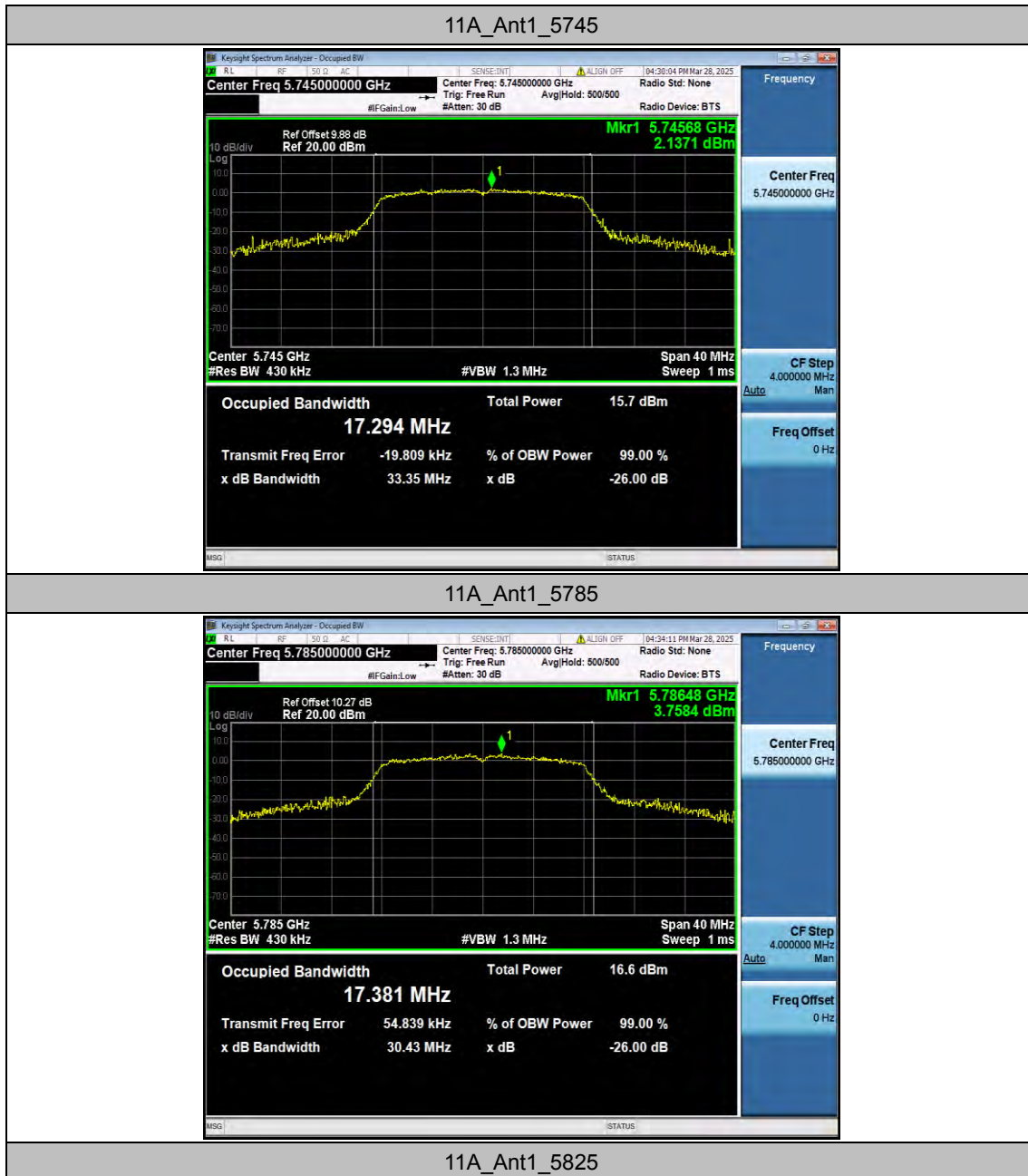


Appendix G.2: Occupied channel bandwidth

Test Result

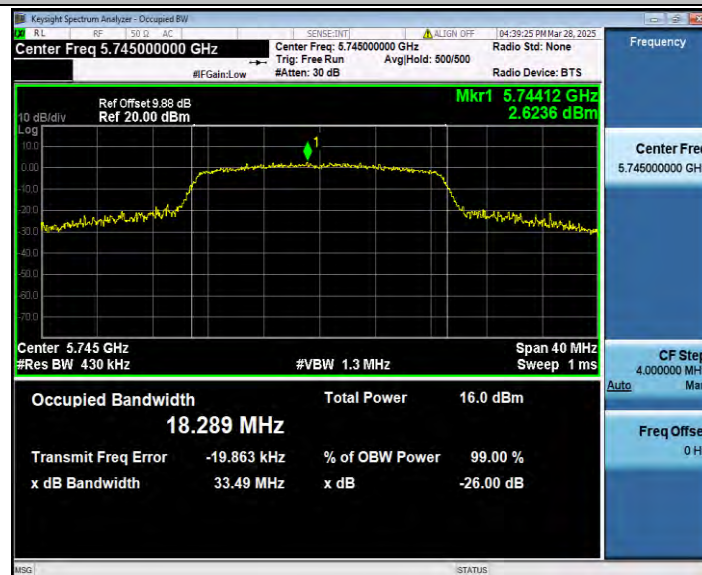
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.294	5736.3332	5753.6272	---	---
		5785	17.381	5776.3643	5793.7453	---	---
		5825	17.472	5816.2719	5833.7439	---	---
11N20SISO	Ant1	5745	18.289	5735.8356	5754.1246	---	---
		5785	18.262	5775.8839	5794.1459	---	---
		5825	18.344	5815.8422	5834.1862	---	---
11N40SISO	Ant1	5755	36.779	5736.5875	5773.3665	---	---
		5795	36.784	5776.5955	5813.3795	---	---
11AC20SISO	Ant1	5745	18.291	5735.8315	5754.1225	---	---
		5785	18.265	5775.8824	5794.1474	---	---
		5825	18.255	5815.9139	5834.1689	---	---
11AC40SISO	Ant1	5755	36.925	5736.4781	5773.4031	---	---
		5795	36.779	5776.5762	5813.3552	---	---
11AC80SISO	Ant1	5775	75.944	5736.9123	5812.8563	---	---

Test Graphs

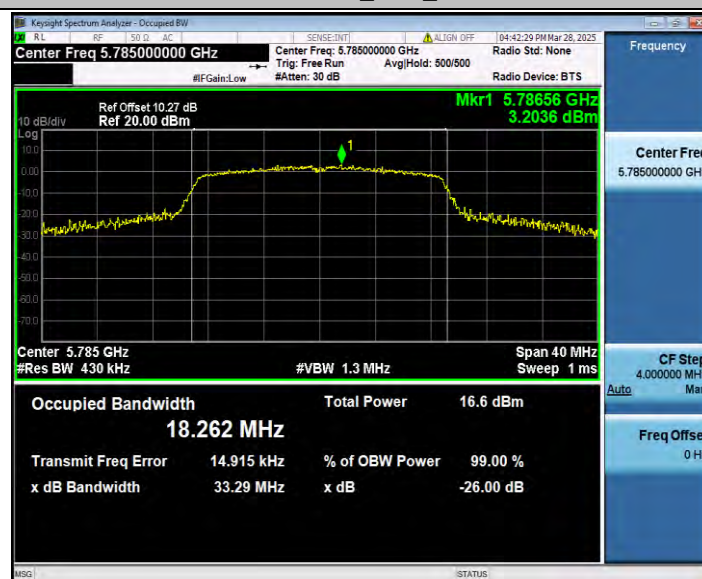




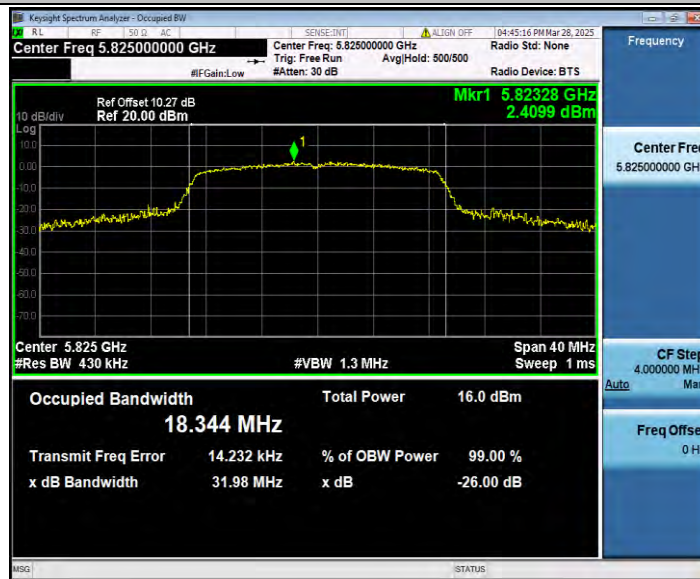
11N20SISO_Ant1_5745



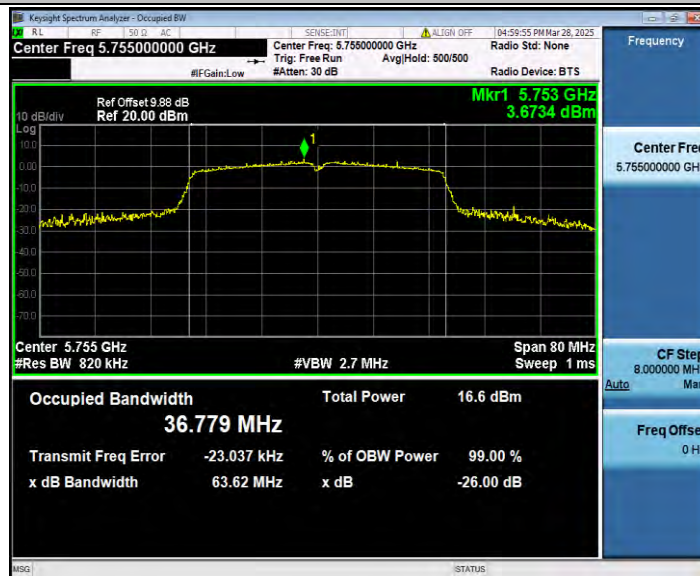
11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



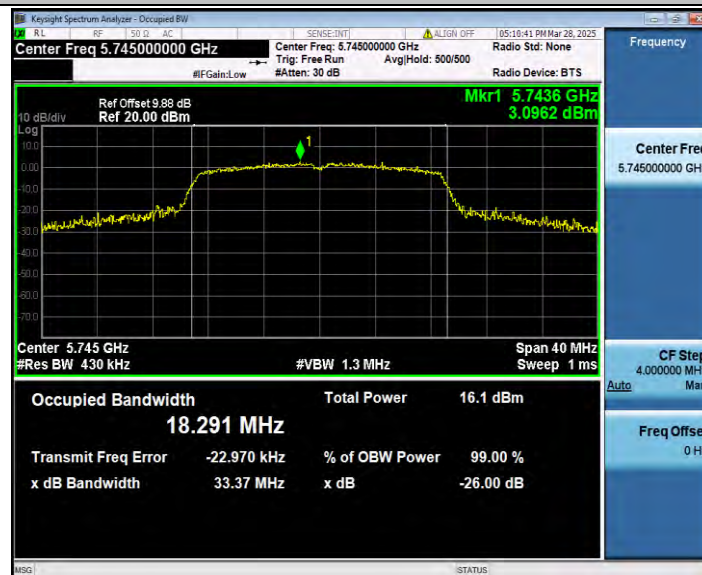
11N40SISO_Ant1_5755



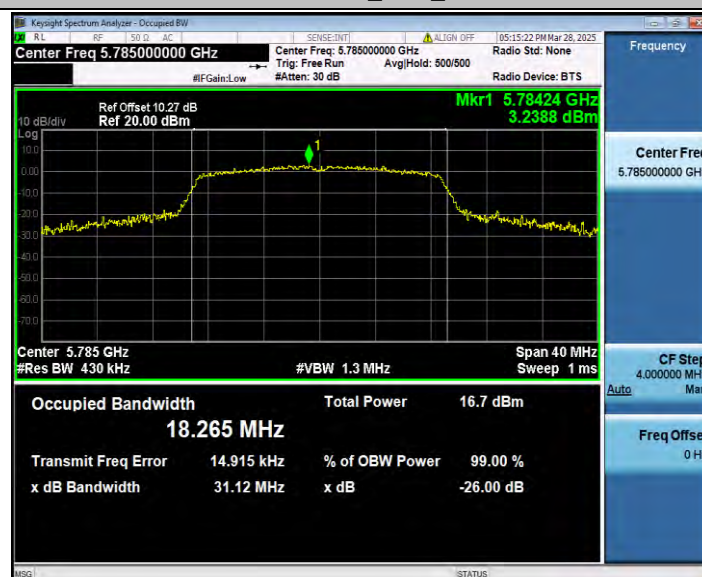
11N40SISO_Ant1_5795



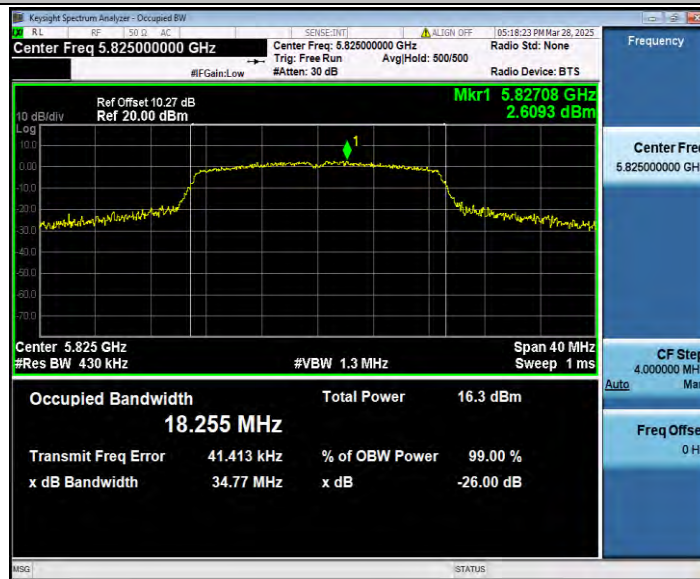
11AC20SISO_Ant1_5745



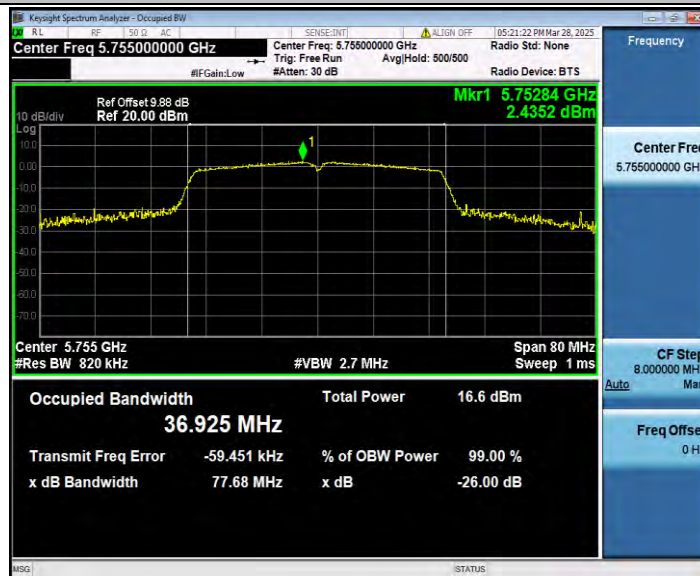
11AC20SISO_Ant1_5785



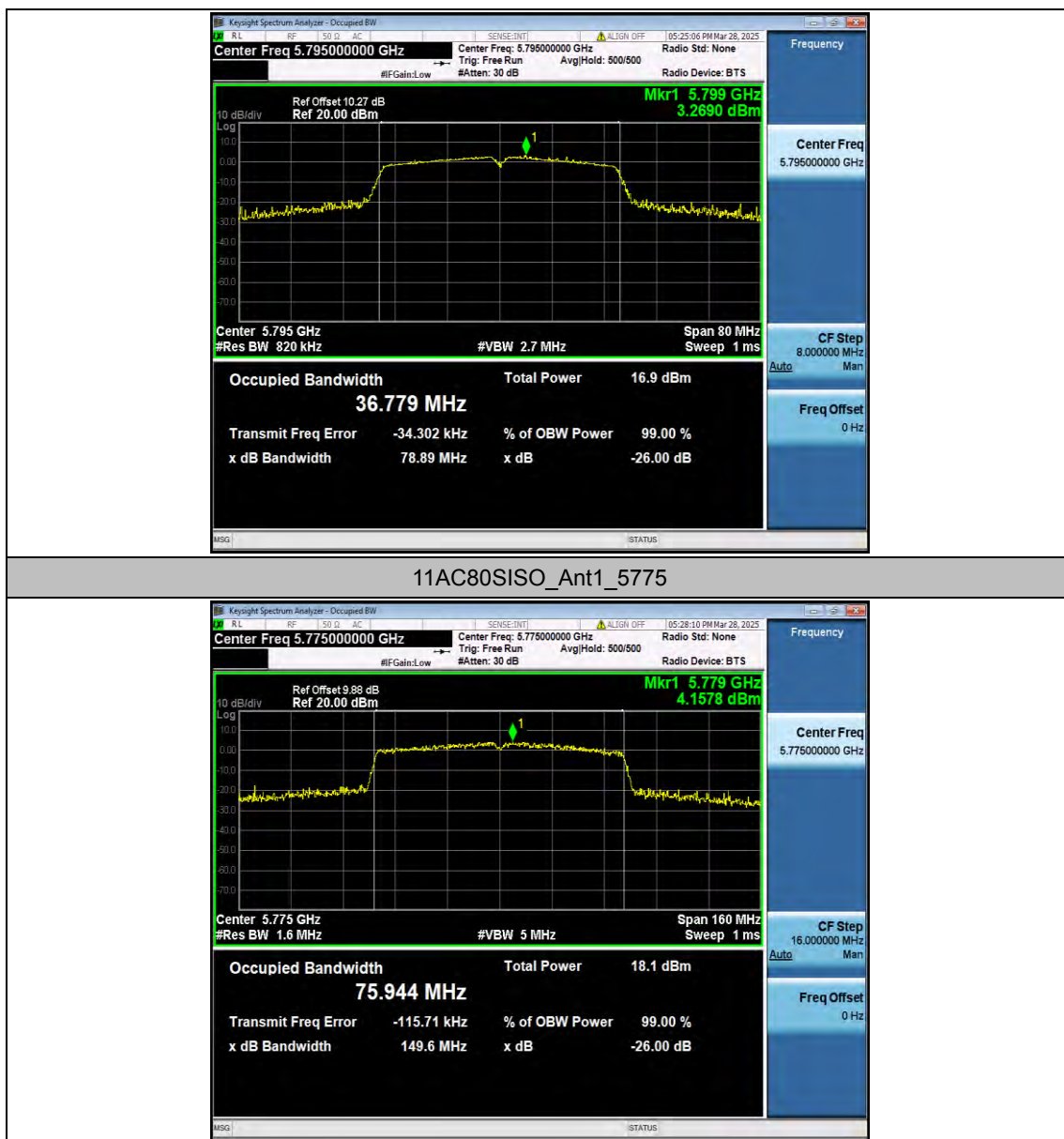
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

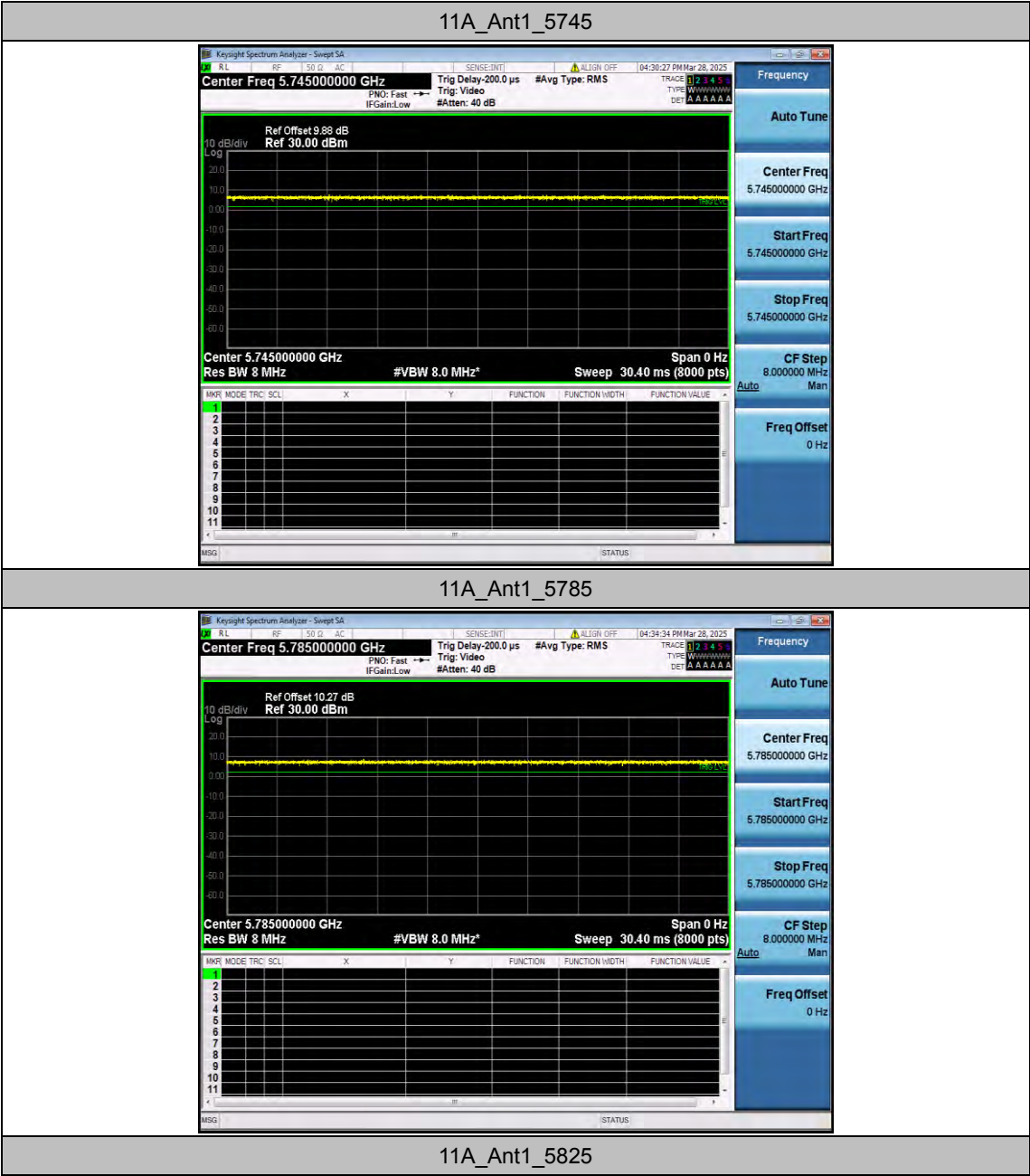


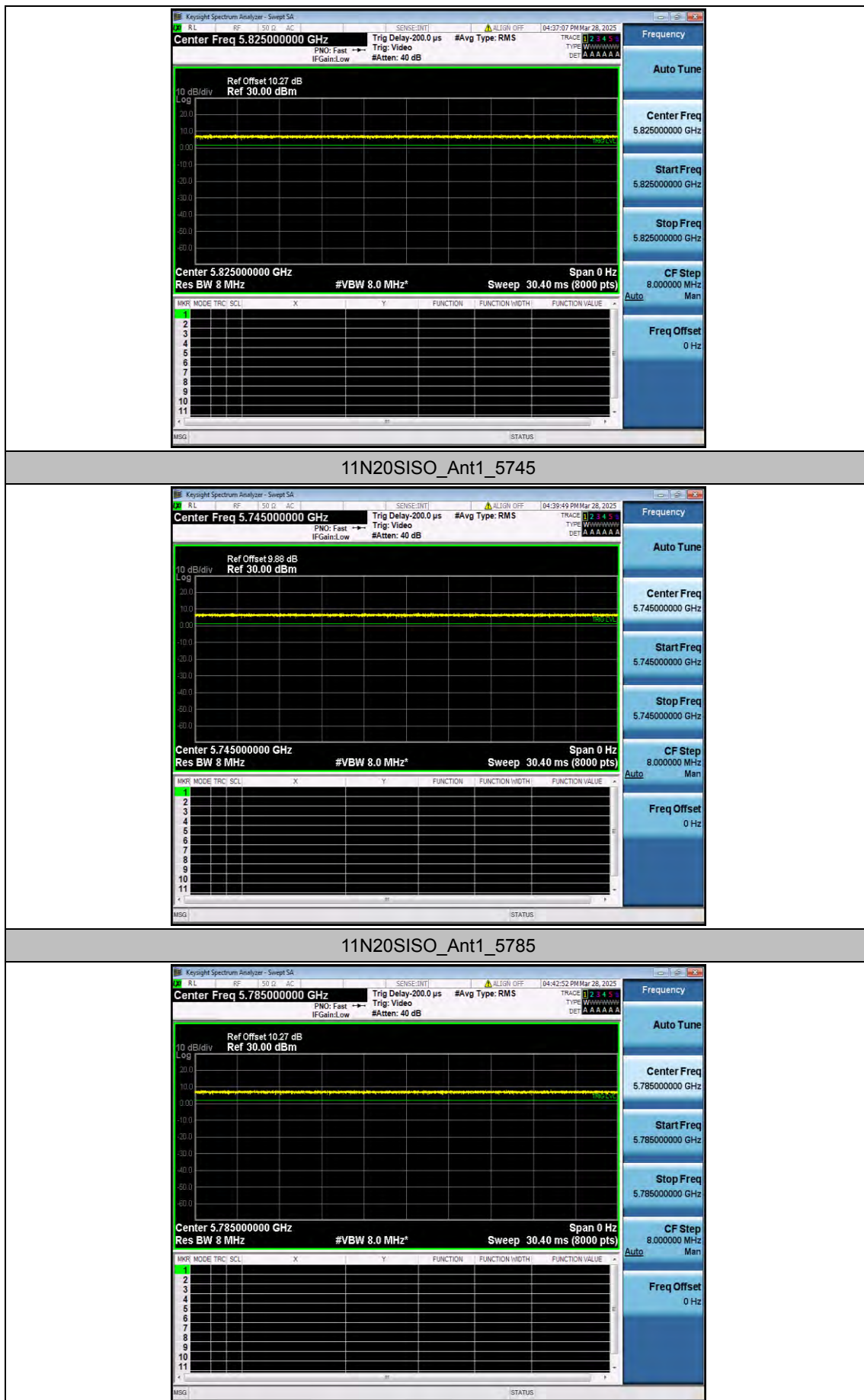
Appendix G.3: Duty Cycle

Test Result

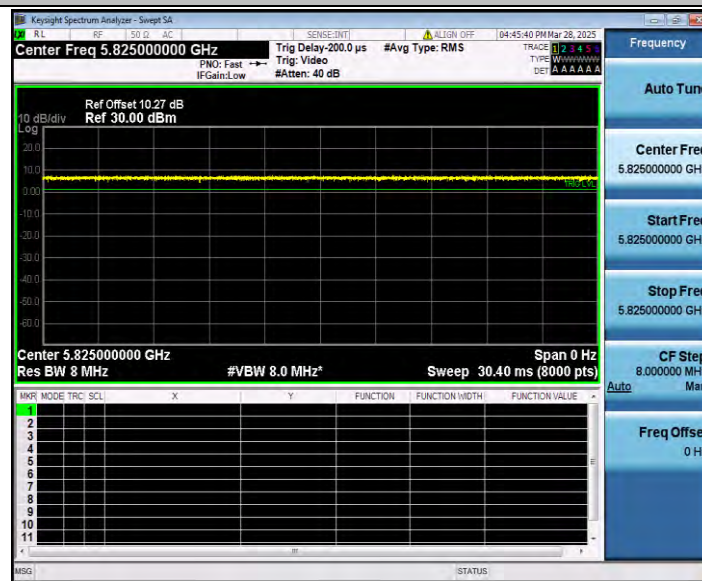
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11N20SISO	Ant1	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11N40SISO	Ant1	5755	30.00	30.00	100.00	0.00	0.03
		5795	30.00	30.00	100.00	0.00	0.03
11AC20SISO	Ant1	5745	30.00	30.00	100.00	0.00	0.03
		5785	30.00	30.00	100.00	0.00	0.03
		5825	30.00	30.00	100.00	0.00	0.03
11AC40SISO	Ant1	5755	30.00	30.00	100.00	0.00	0.03
		5795	30.00	30.00	100.00	0.00	0.03
11AC80SISO	Ant1	5775	30.00	30.00	100.00	0.00	0.03

Test Graphs

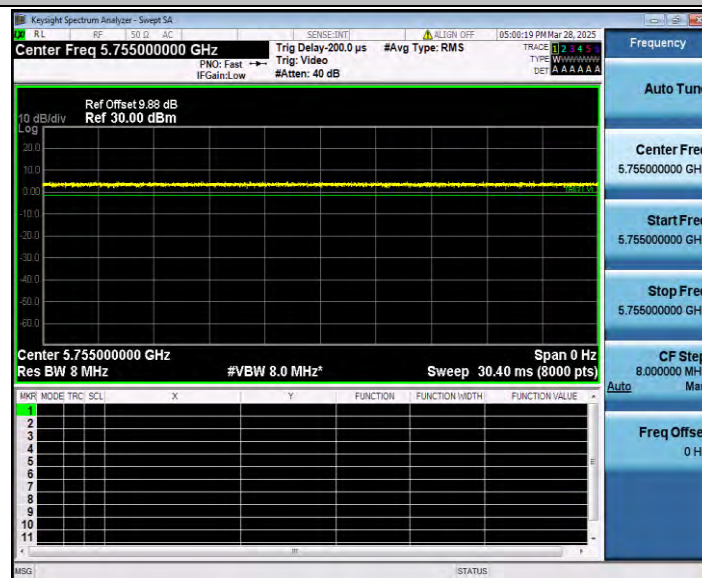




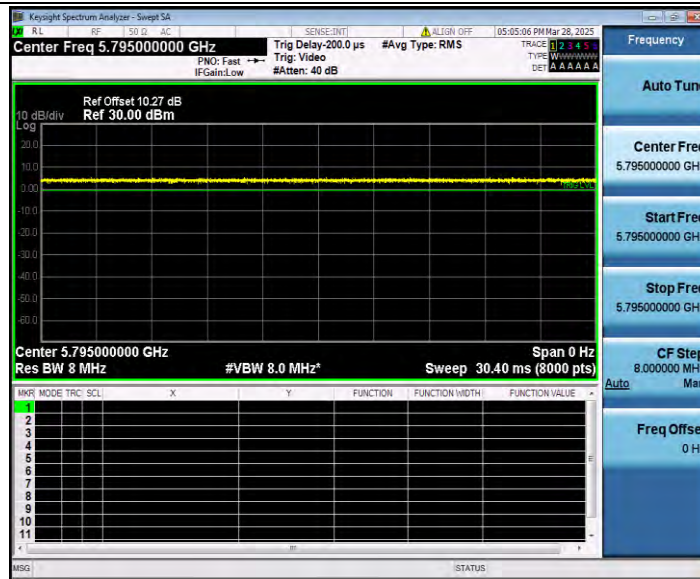
11N20SISO_Ant1_5825



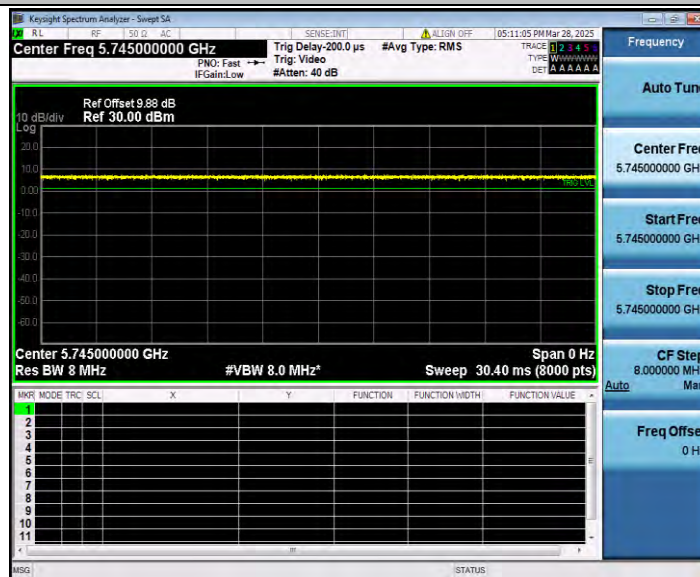
11N40SISO_Ant1_5755



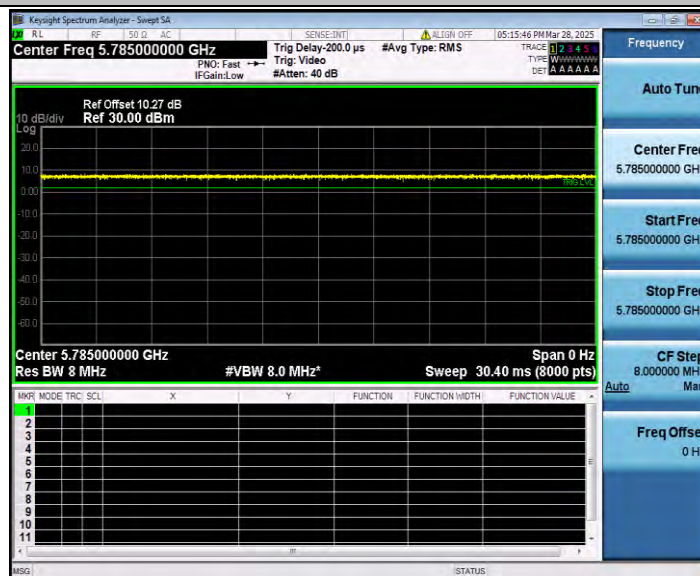
11N40SISO_Ant1_5795



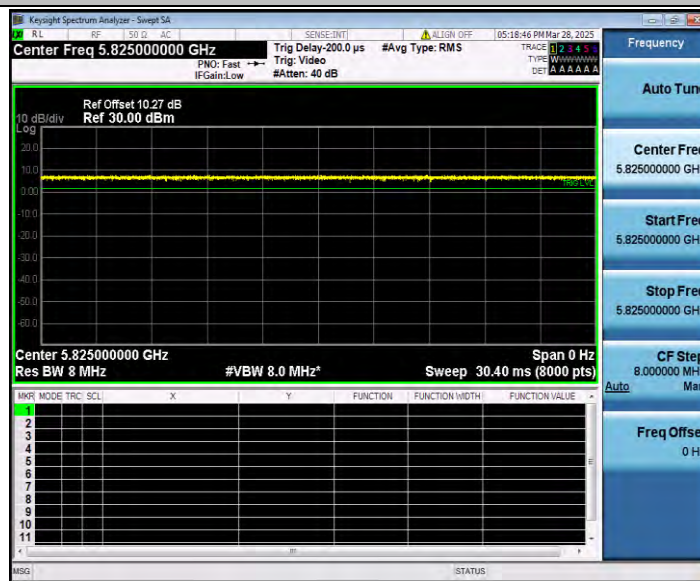
11AC20SISO_Ant1_5745



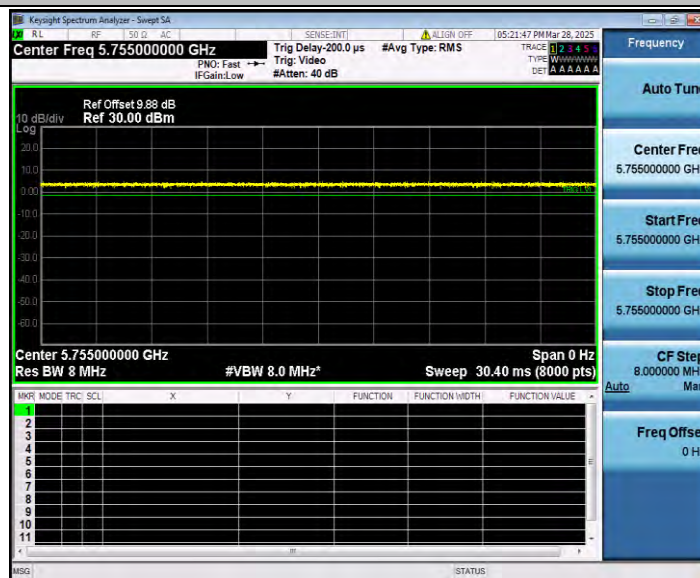
11AC20SISO_Ant1_5785



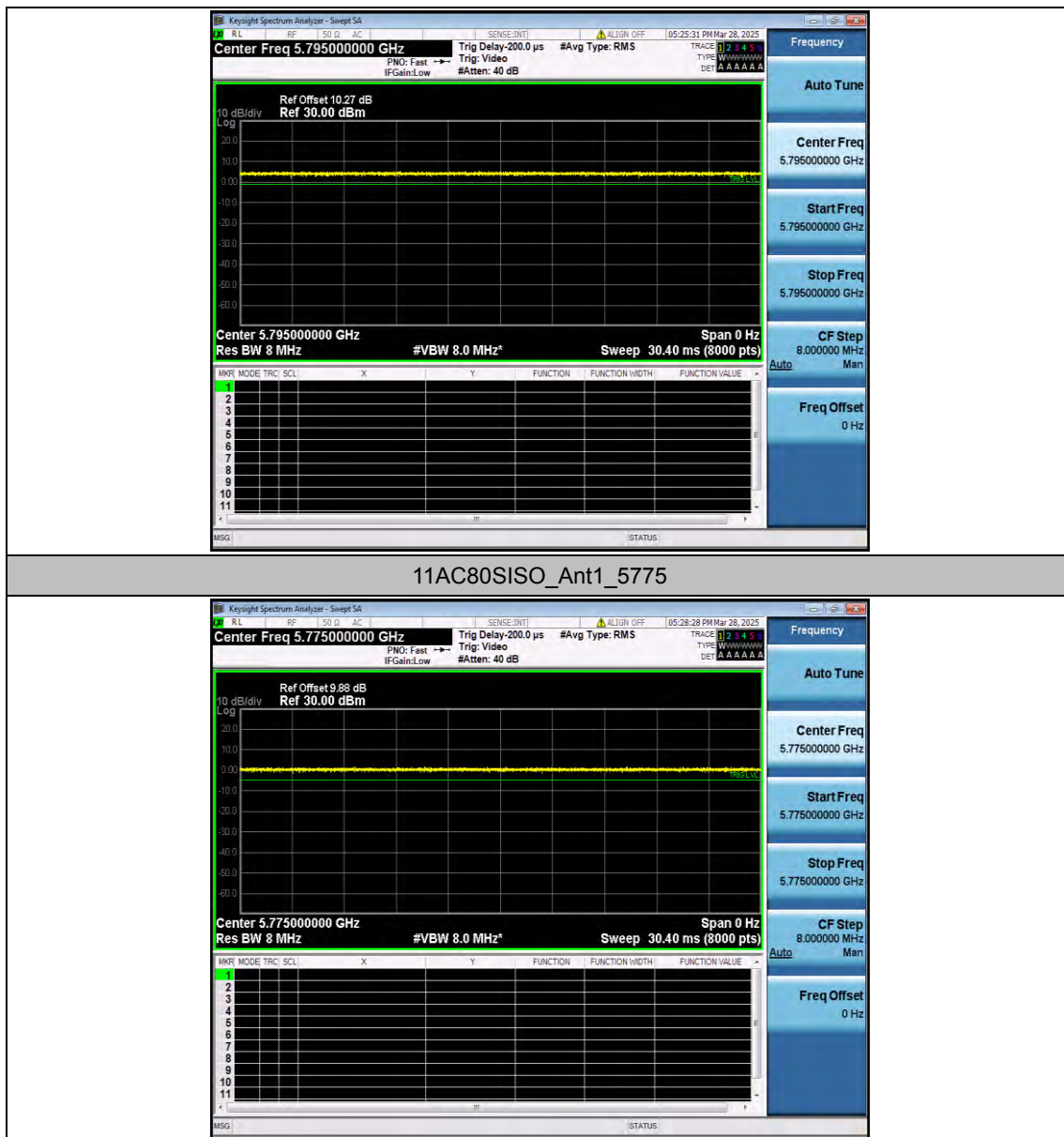
11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix G.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	8.96	100.00	0.00	8.96	≤30.00	PASS
		5785	9.81	100.00	0.00	9.81	≤30.00	PASS
		5825	9.38	100.00	0.00	9.38	≤30.00	PASS
11N20SISO	Ant1	5745	9.23	100.00	0.00	9.23	≤30.00	PASS
		5785	9.78	100.00	0.00	9.78	≤30.00	PASS
		5825	9.26	100.00	0.00	9.26	≤30.00	PASS
11N40SISO	Ant1	5755	9.13	100.00	0.00	9.13	≤30.00	PASS
		5795	9.65	100.00	0.00	9.65	≤30.00	PASS
11AC20SISO	Ant1	5745	9.42	100.00	0.00	9.42	≤30.00	PASS
		5785	10.01	100.00	0.00	10.01	≤30.00	PASS
		5825	9.62	100.00	0.00	9.62	≤30.00	PASS
11AC40SISO	Ant1	5755	9.30	100.00	0.00	9.30	≤30.00	PASS
		5795	9.51	100.00	0.00	9.51	≤30.00	PASS
11AC80SISO	Ant1	5775	9.14	100.00	0.00	9.14	≤30.00	PASS

Appendix G.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-4.49	≤30.00	PASS
		5785	-3.66	≤30.00	PASS
		5825	-4.06	≤30.00	PASS
11N20SISO	Ant1	5745	-4.41	≤30.00	PASS
		5785	-3.93	≤30.00	PASS
		5825	-4.30	≤30.00	PASS
11N40SISO	Ant1	5755	-7.26	≤30.00	PASS
		5795	-6.66	≤30.00	PASS
11AC20SISO	Ant1	5745	-4.48	≤30.00	PASS
		5785	-3.62	≤30.00	PASS
		5825	-4.05	≤30.00	PASS
11AC40SISO	Ant1	5755	-7.44	≤30.00	PASS
		5795	-6.56	≤30.00	PASS
11AC80SISO	Ant1	5775	-10.61	≤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_Ant1_5745



11A_Ant1_5785



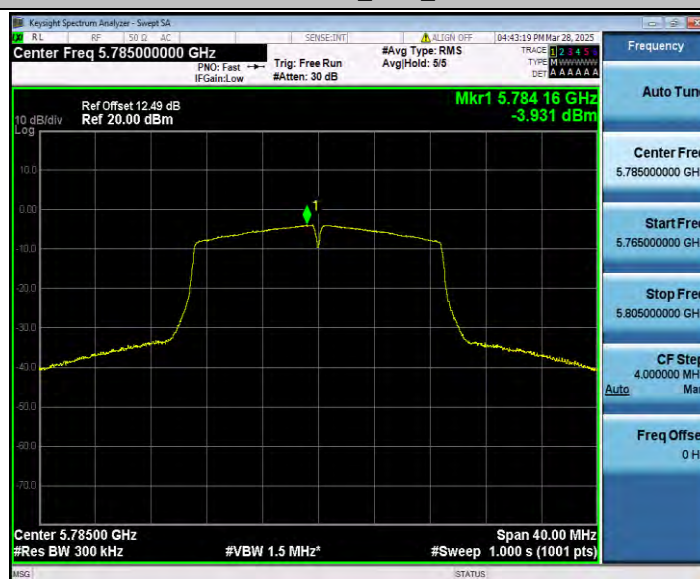
11A_Ant1_5825



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



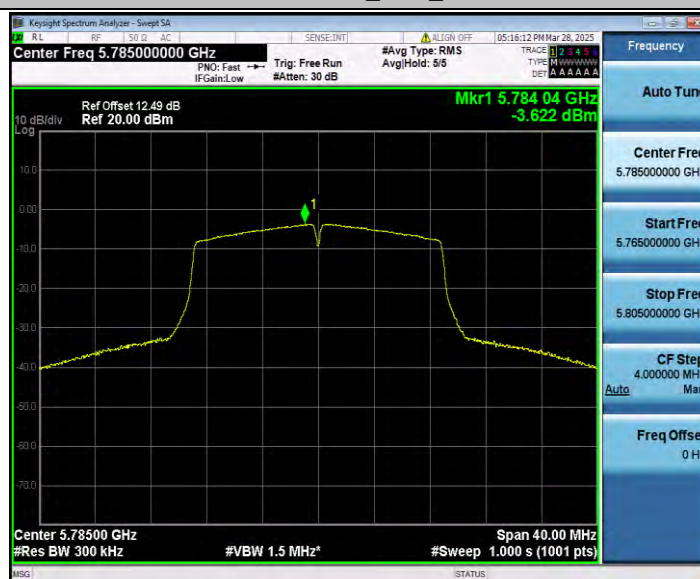
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



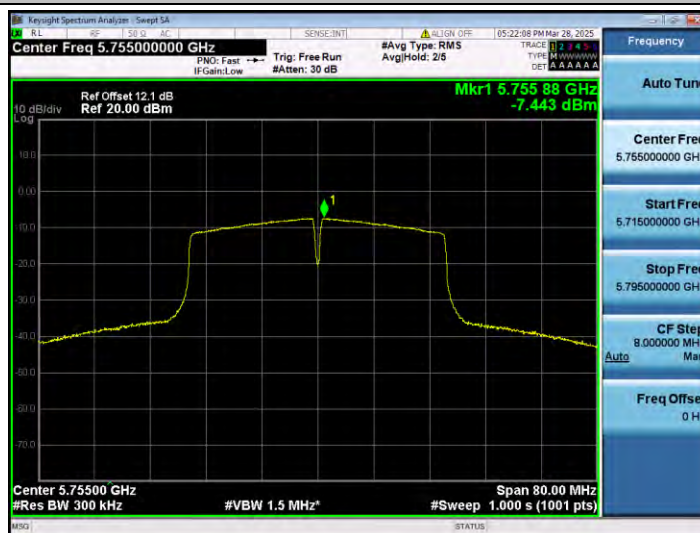
11AC20SISO_Ant1_5785



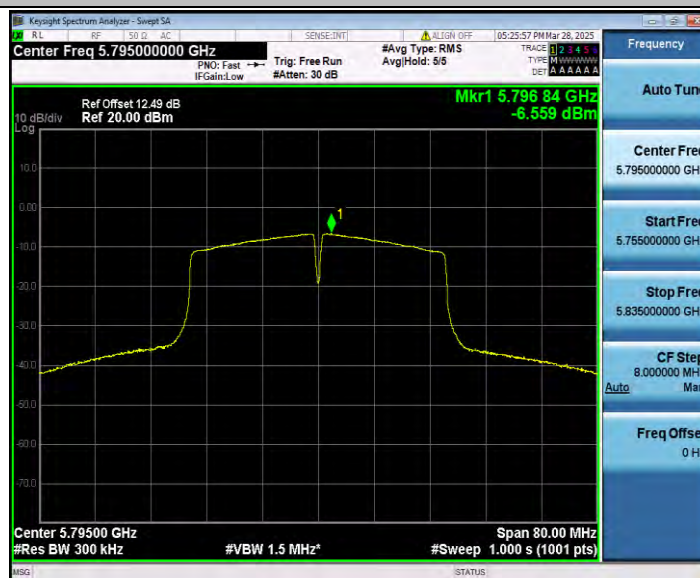
11AC20SISO_Ant1_5825

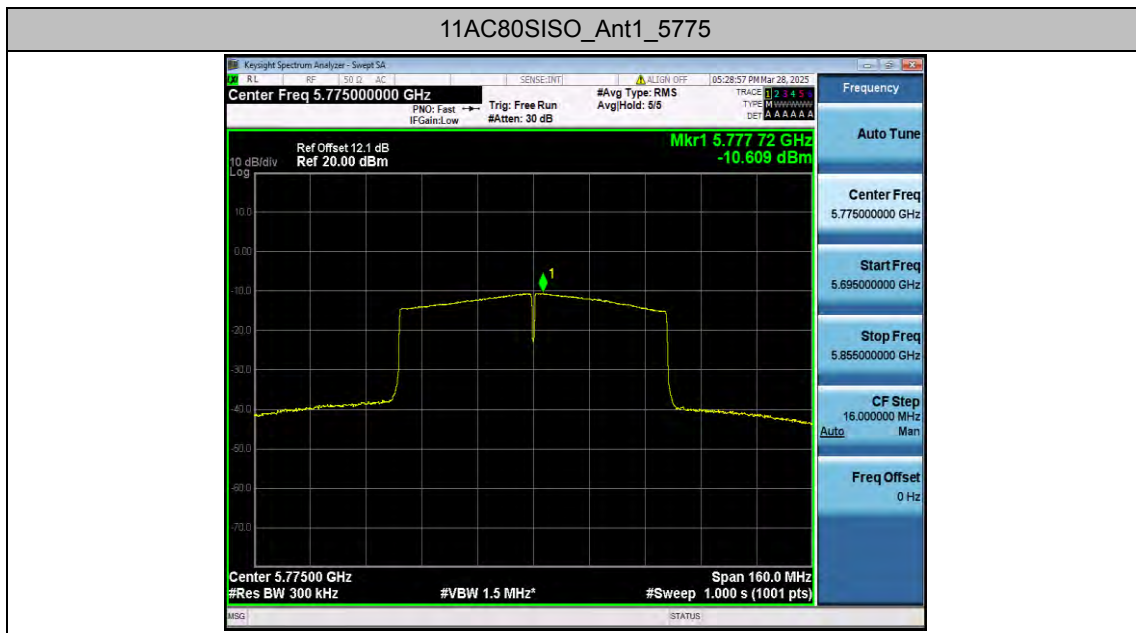


11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795





Appendix G.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	-40.12	≤-26.27	PASS
				5700~5720	-31.47	≤14.05	PASS
				5720~5725	-20.59	≤24.47	PASS
				5760~5650	-39.29	≤-27	PASS
		High	5825	5850~5855	-33.12	≤16.03	PASS
				5855~5875	-31.17	≤15.09	PASS
				5875~5925	-38.4	≤-26.51	PASS
				5925~5935	-38.63	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-39.21	≤-25.59	PASS
				5700~5720	-28.1	≤15.43	PASS
				5720~5725	-29.21	≤16.08	PASS
				5760~5650	-39.33	≤-27	PASS
		High	5825	5850~5855	-32.27	≤15.73	PASS
				5855~5875	-28.98	≤15.50	PASS
				5875~5925	-39.15	≤-26.61	PASS
				5925~5935	-37.99	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-39.76	≤-26.90	PASS
				5700~5720	-24.11	≤14.79	PASS
				5720~5725	-23.45	≤17.58	PASS
				5780~5650	-39.76	≤-27	PASS
		High	5795	5850~5855	-34.63	≤16.79	PASS
				5855~5875	-37.03	≤11.17	PASS
				5875~5925	-38.69	≤-26.95	PASS
				5925~5935	-38.68	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-40.87	≤-26.87	PASS
				5700~5720	-27.99	≤15.59	PASS
				5720~5725	-27.99	≤15.82	PASS
				5760~5650	-39.7	≤-27	PASS
		High	5825	5850~5855	-29.03	≤18.80	PASS
				5855~5875	-30.69	≤14.37	PASS
				5875~5925	-39.29	≤-26.51	PASS
				5925~5935	-37.63	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-40.08	≤-26.90	PASS
				5700~5720	-22.73	≤14.37	PASS
				5720~5725	-19.87	≤19.12	PASS

		High	5795	5780~5650	-39.63	≤ -27	PASS
				5850~5855	-36.21	≤ 16.03	PASS
				5855~5875	-37.09	≤ 10.29	PASS
				5875~5925	-40.73	≤ -26.95	PASS
				5925~5935	-37.47	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-34.98	≤ -26.23	PASS
				5700~5720	-23.9	≤ 11.31	PASS
				5720~5725	-22.33	≤ 16.00	PASS
				5800~5650	-34.67	≤ -27	PASS
		High	5775	5850~5855	-28.05	≤ 16.26	PASS
				5855~5875	-27.72	≤ 11.54	PASS
				5875~5925	-38.38	≤ -26.32	PASS
				5925~5935	-38.57	≤ -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



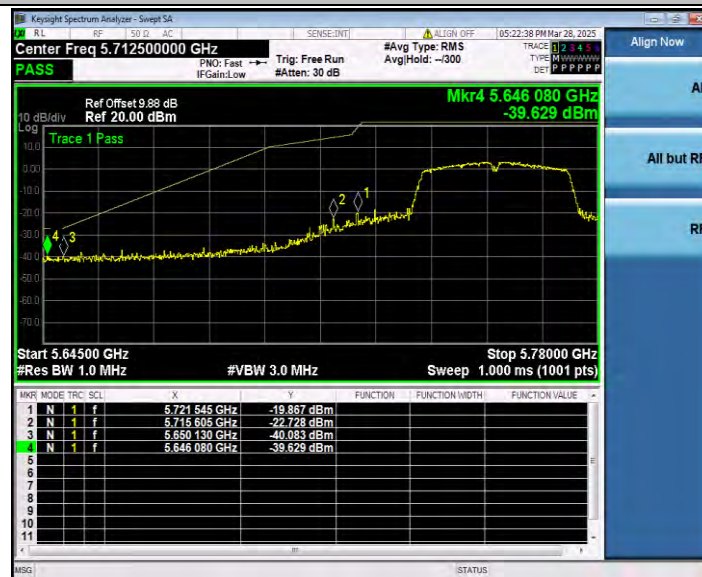
11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825



11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



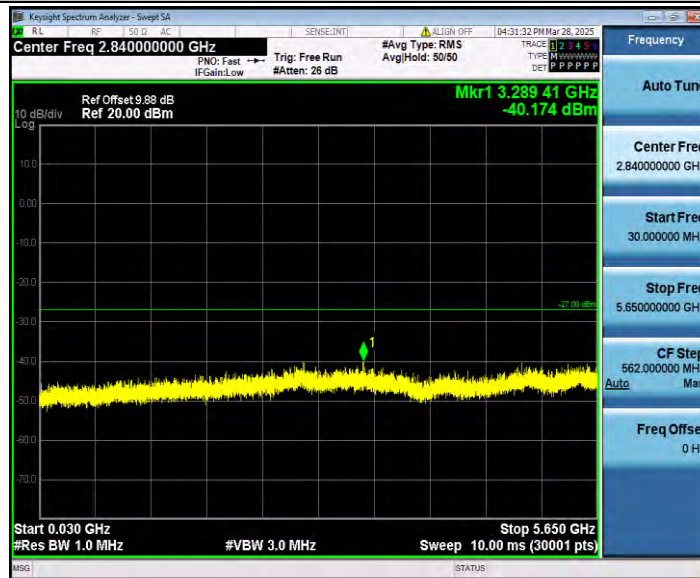
Appendix G.7: Conducted Spurious Emission

Test Result

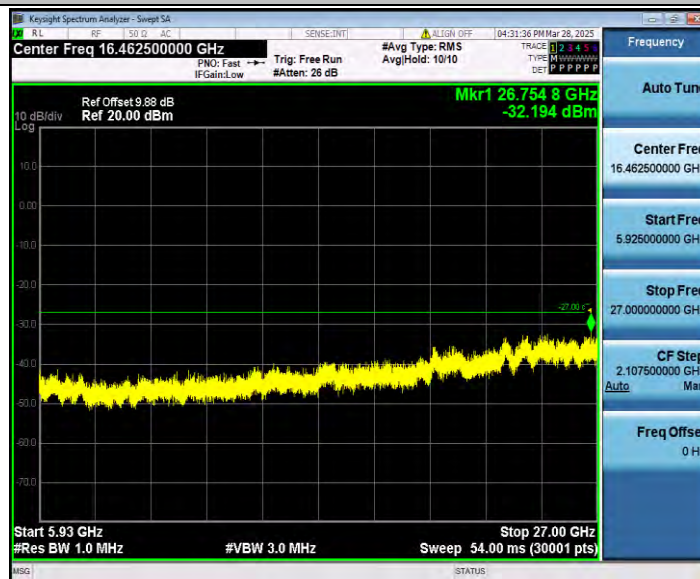
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	3289.41	-40.17	≤-27	PASS
			5925~27000	26754.83	-32.19	≤-27	PASS
		5785	30~5650	3030.14	-40.17	≤-27	PASS
			5925~27000	24218.1	-31.08	≤-27	PASS
		5825	30~5650	5433.82	-39.61	≤-27	PASS
			5925~27000	24296.78	-31.57	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	3104.51	-40.13	≤-27	PASS
			5925~27000	24357.2	-32.29	≤-27	PASS
		5785	30~5650	5538.16	-39.7	≤-27	PASS
			5925~27000	26073.4	-31.37	≤-27	PASS
		5825	30~5650	3087.84	-39.77	≤-27	PASS
			5925~27000	23500.15	-31.29	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	2595.53	-40	≤-27	PASS
			5925~27000	24225.13	-31.6	≤-27	PASS
		5795	30~5650	4910.03	-39.67	≤-27	PASS
			5925~27000	25049.16	-31.9	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	5465.85	-39.22	≤-27	PASS
			5925~27000	24350.87	-31.7	≤-27	PASS
		5785	30~5650	3169.33	-40.06	≤-27	PASS
			5925~27000	26933.97	-32	≤-27	PASS
		5825	30~5650	5566.45	-40.25	≤-27	PASS
			5925~27000	25620.29	-31.83	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5603.17	-39.56	≤-27	PASS
			5925~27000	24334.01	-31.05	≤-27	PASS
		5795	30~5650	5068.14	-39.85	≤-27	PASS
			5925~27000	25229.7	-31.53	≤-27	PASS
11AC80SISO	Ant1	5775	30~5650	5649.63	-37.35	≤-27	PASS
			5925~27000	24302.4	-32.34	≤-27	PASS

Test Graphs

11A_Ant1_5745_30~5650



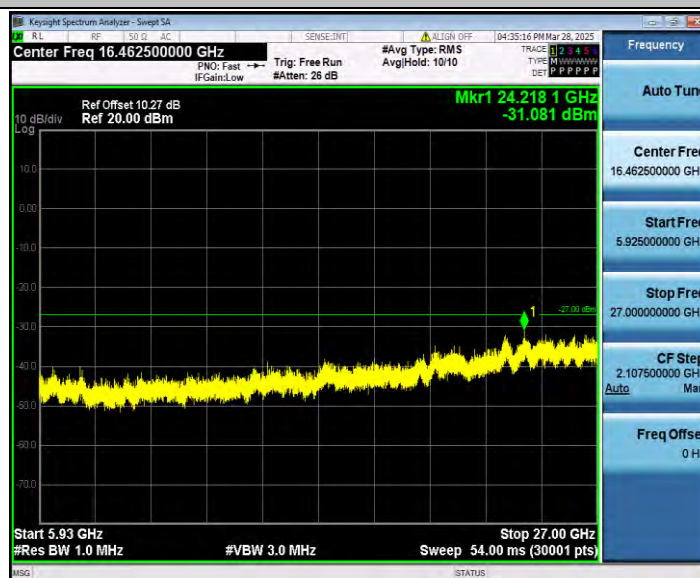
11A_Ant1_5745_5925~27000



11A_Ant1_5785_30~5650



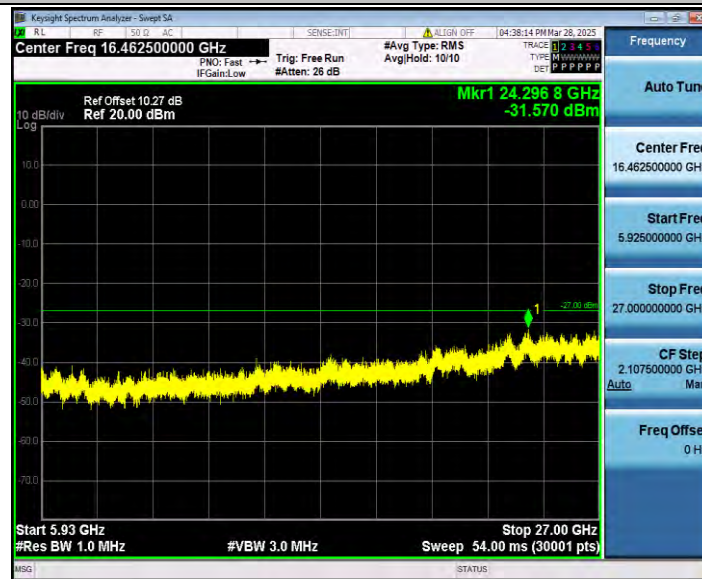
11A_Ant1_5785_5925~27000



11A_Ant1_5825_30~5650



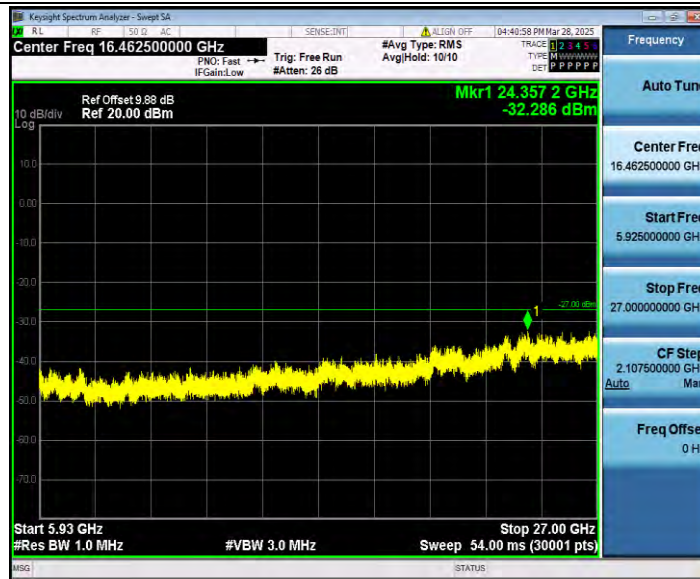
11A_Ant1_5825_5925~27000



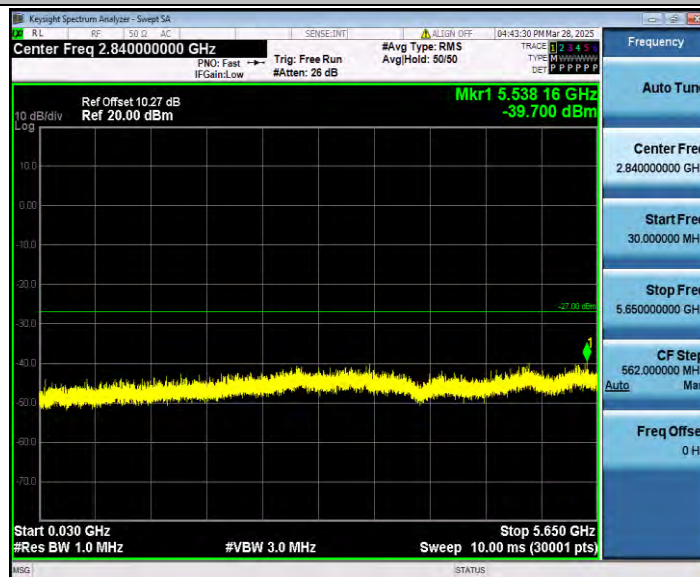
11N20SISO_Ant1_5745_30~5650



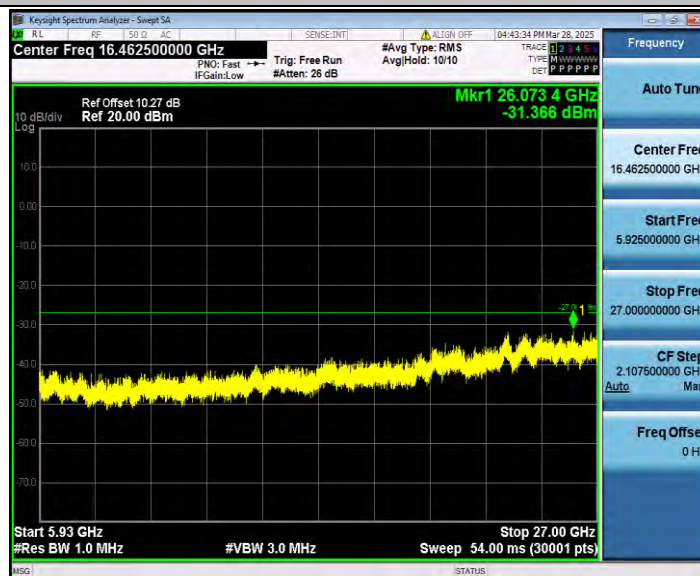
11N20SISO_Ant1_5745_5925~27000



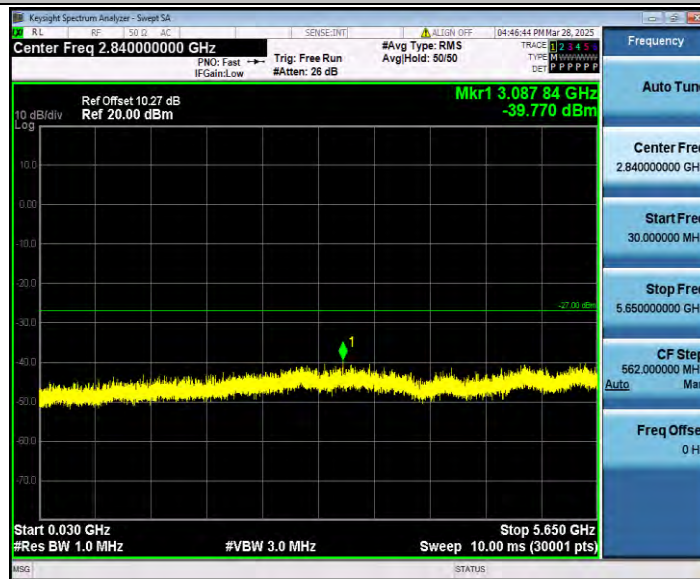
11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~27000



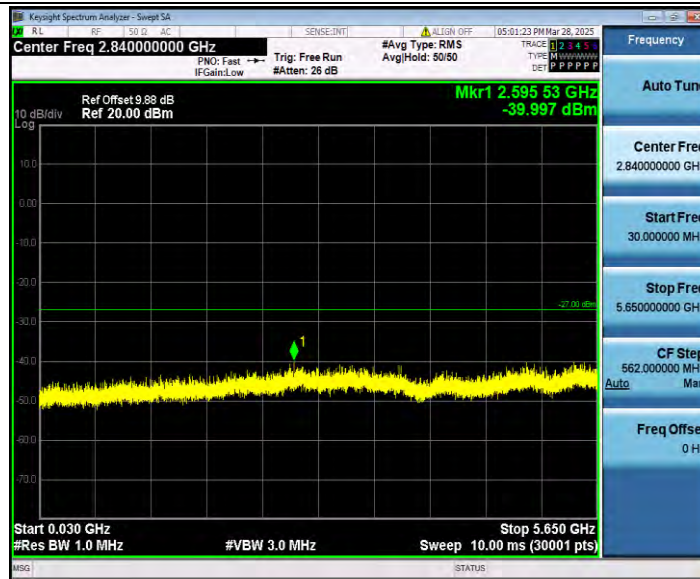
11N20SISO_Ant1_5825_30~5650



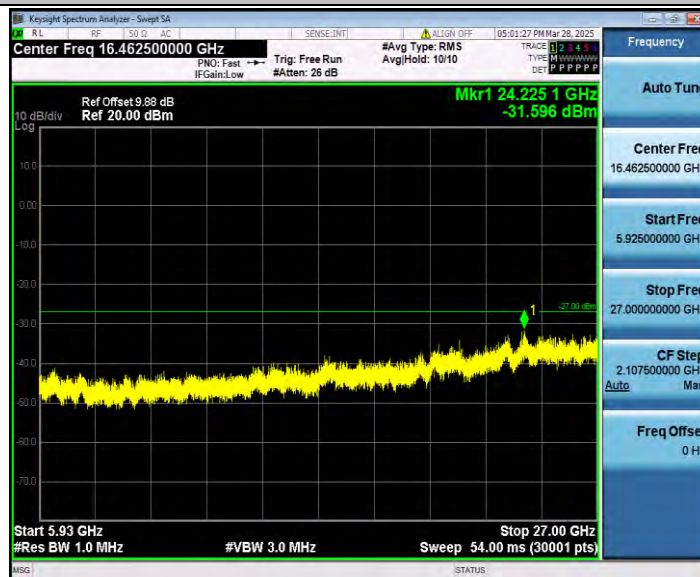
11N20SISO_Ant1_5825_5925~27000



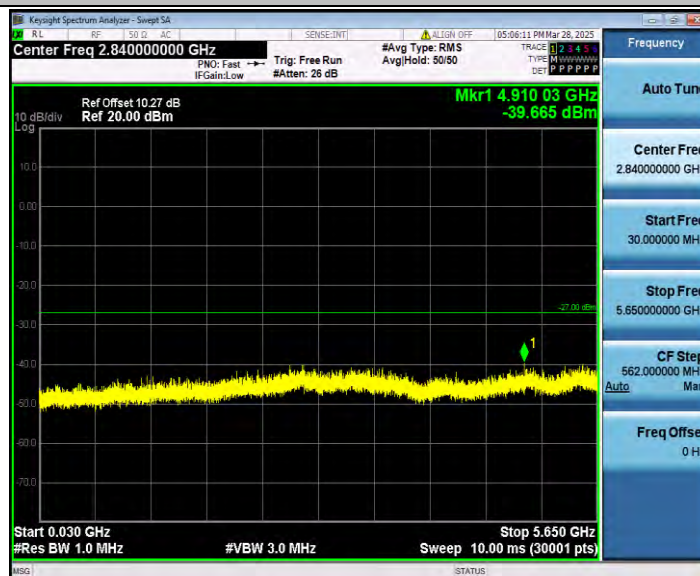
11N40SISO_Ant1_5755_30~5650



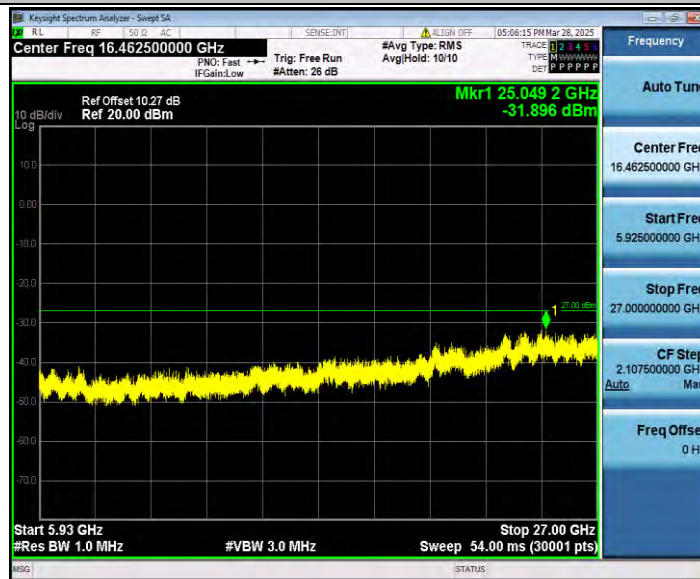
11N40SISO_Ant1_5755_5925~27000



11N40SISO_Ant1_5795_30~5650



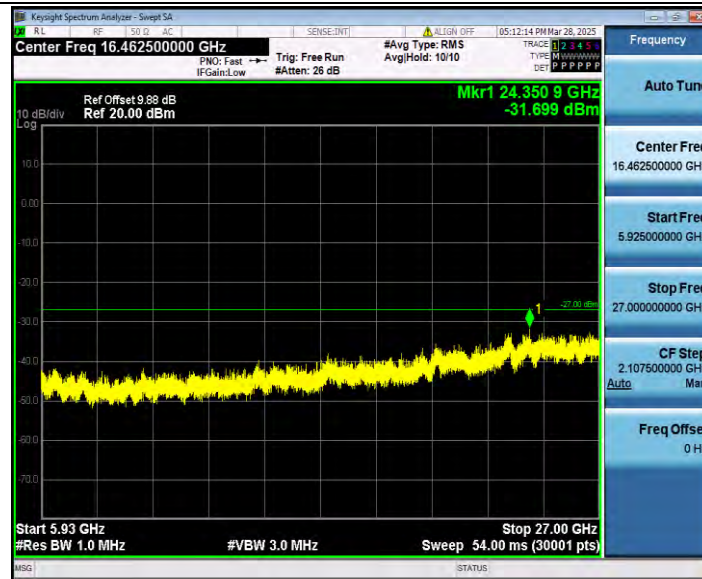
11N40SISO_Ant1_5795_5925~27000



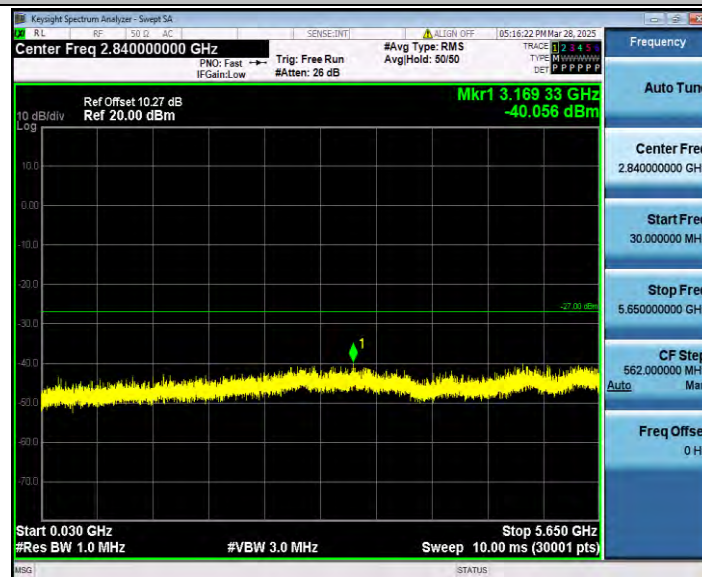
11AC20SISO_Ant1_5745_30~5650



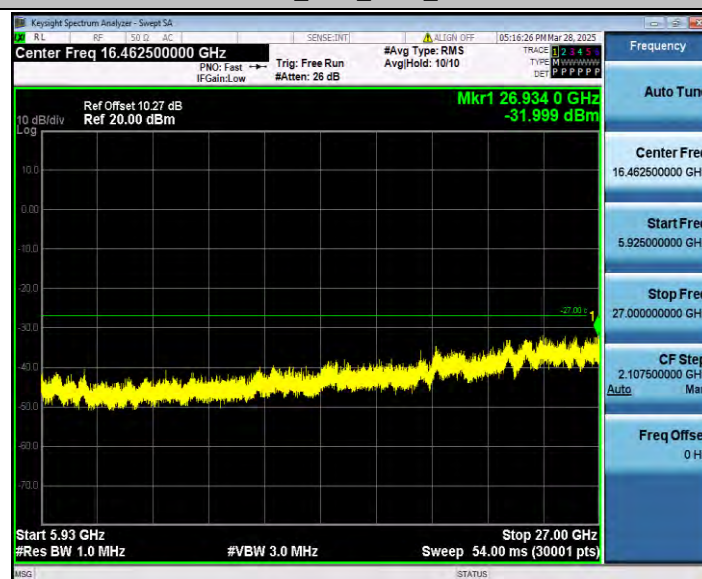
11AC20SISO_Ant1_5745_5925~27000



11AC20SISO_Ant1_5785_30~5650



11AC20SISO_Ant1_5785_5925~27000



11AC20SISO_Ant1_5825_30~5650



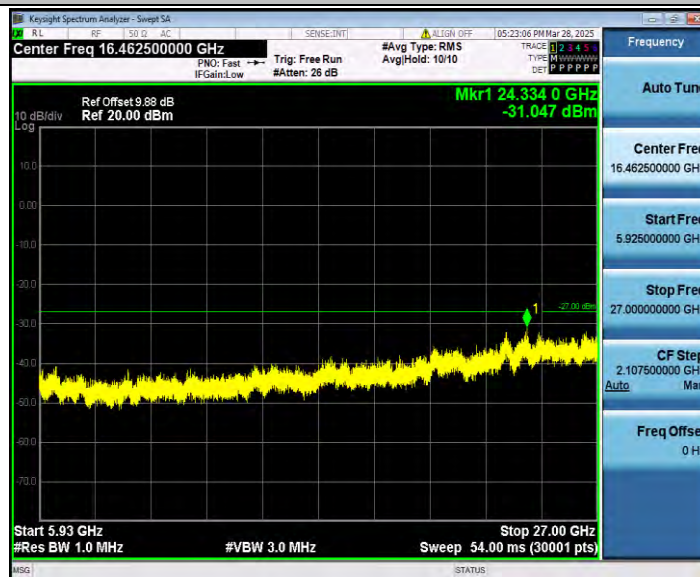
11AC20SISO_Ant1_5825_5925~27000



11AC40SISO_Ant1_5755_30~5650



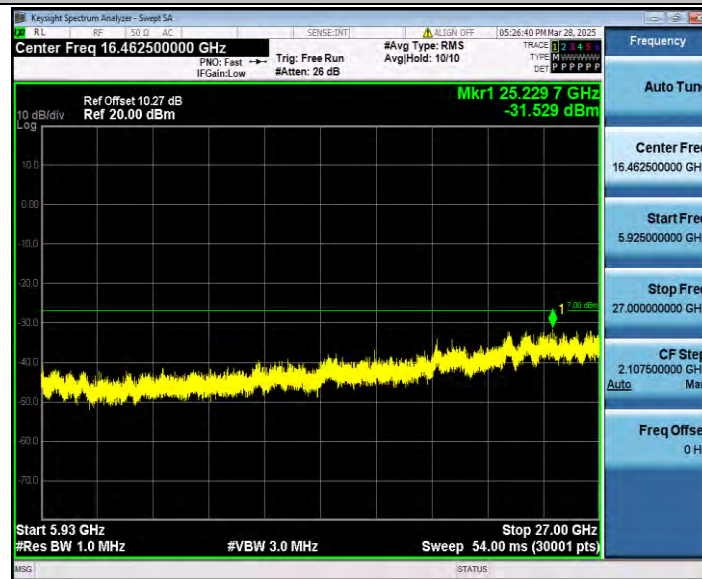
11AC40SISO_Ant1_5755_5925~27000



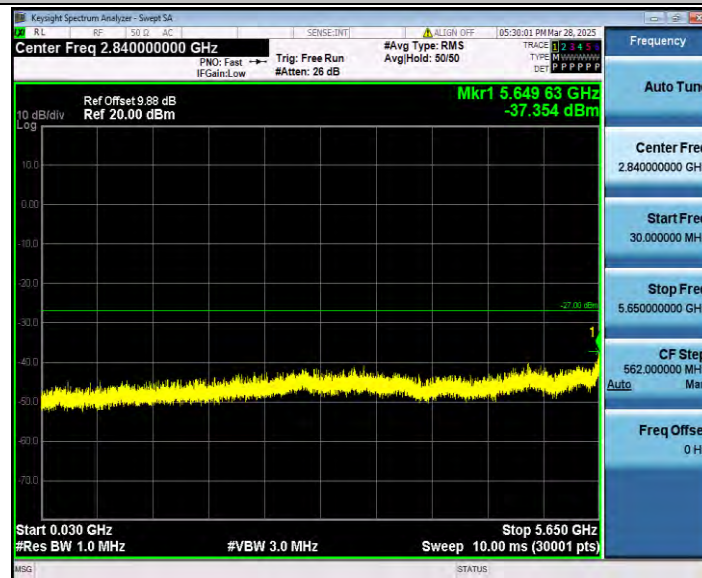
11AC40SISO_Ant1_5795_30~5650



11AC40SISO_Ant1_5795_5925~27000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~27000



Appendix G.8: Emissions in Restricted Bands

Test Result

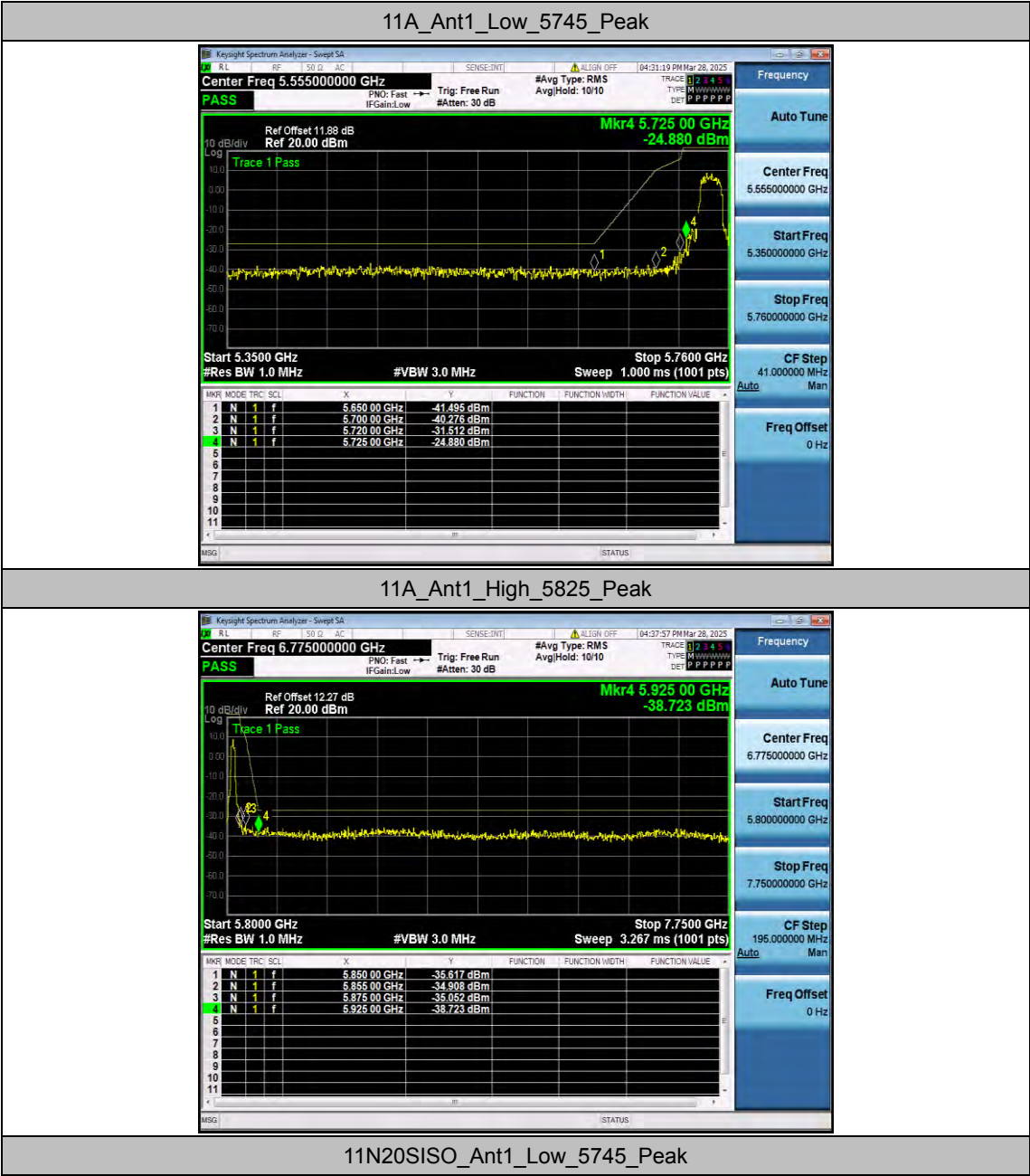
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-41.49 5	≤-27.00	---	---	PASS
				Peak	5700.000	-40.28	≤10.00	---	---	PASS
				Peak	5720.000	-31.51	≤15.60	---	---	PASS
				Peak	5725.000	-24.88	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-35.61 7	≤27.00	---	---	PASS
				Peak	5855.000	-34.91	≤15.60	---	---	PASS
				Peak	5875.000	-35.05	≤10.00	---	---	PASS
				Peak	5925.000	-38.72	≤-27.00	---	---	PASS
11N20SISO	Ant1	Low	5745	Peak	5650.000	-41.88 5	≤-27.00	---	---	PASS
				Peak	5700.000	-41.12	≤10.00	---	---	PASS
				Peak	5720.000	-29.04	≤15.60	---	---	PASS
				Peak	5725.000	-23.58	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-32.80 9	≤27.00	---	---	PASS
				Peak	5855.000	-35.01	≤15.60	---	---	PASS
				Peak	5875.000	-38.37	≤10.00	---	---	PASS
				Peak	5925.000	-37.66	≤-27.00	---	---	PASS
11N40SISO	Ant1	Low	5755	Peak	5650.000	-41.43 3	≤-27.00	---	---	PASS
				Peak	5700.000	-37.27	≤10.00	---	---	PASS
				Peak	5720.000	-25.07	≤15.60	---	---	PASS
				Peak	5725.000	-26.31	≤27.00	---	---	PASS
		High	5795	Peak	5850.000	-35.77 2	≤27.00	---	---	PASS
				Peak	5855.000	-37.11	≤15.60	---	---	PASS
				Peak	5875.000	-36.07	≤10.00	---	---	PASS
				Peak	5925.000	-37.93	≤-27.00	---	---	PASS
11AC20SISO	Ant1	Low	5745	Peak	5650.000	-41.85 7	≤-27.00	---	---	PASS
				Peak	5700.000	-42.18	≤10.00	---	---	PASS
				Peak	5720.000	-31.74	≤15.60	---	---	PASS
				Peak	5725.000	-29.56	≤27.00	---	---	PASS
		High	5825	Peak	5850.000	-33.54 7	≤27.00	---	---	PASS

				Peak	5855.000	-33.54	≤ 15.60	---	---	PASS
				Peak	5875.000	-38.84	≤ 10.00	---	---	PASS
				Peak	5925.000	-38.24	≤ -27.00	---	---	PASS
11AC40SI SO	Ant1	Low	5755	Peak	5650.000	-41.72 6	≤ -27.00	---	---	PASS
				Peak	5700.000	-36.5	≤ 10.00	---	---	PASS
				Peak	5720.000	-27.59	≤ 15.60	---	---	PASS
				Peak	5725.000	-25.32	≤ 27.00	---	---	PASS
		High	5795	Peak	5850.000	-33.17 3	≤ 27.00	---	---	PASS
				Peak	5855.000	-36.04	≤ 15.60	---	---	PASS
				Peak	5875.000	-38.48	≤ 10.00	---	---	PASS
				Peak	5925.000	-39.01	≤ -27.00	---	---	PASS
11AC80SI SO	Ant1	Low	5775	Peak	5650.000	-36.63 9	≤ -27.00	---	---	PASS
				Peak	5700.000	-29.77	≤ 10.00	---	---	PASS
				Peak	5720.000	-26.91	≤ 15.60	---	---	PASS
				Peak	5725.000	-26.82	≤ 27.00	---	---	PASS
		High	5775	Peak	5850.000	-24.99	≤ 27.00	---	---	PASS
				Peak	5855.000	-31.04	≤ 15.60	---	---	PASS
				Peak	5875.000	-33.19	≤ 10.00	---	---	PASS
				Peak	5925.000	-37.1	≤ -27.00	---	---	PASS

Note:

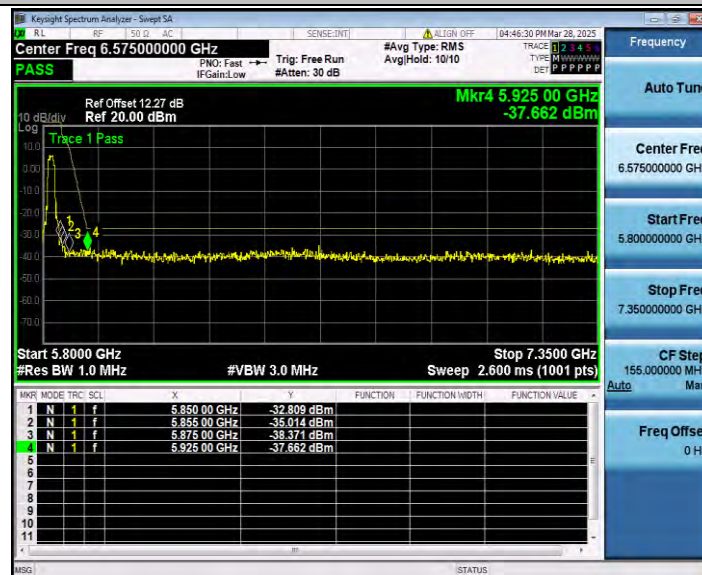
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

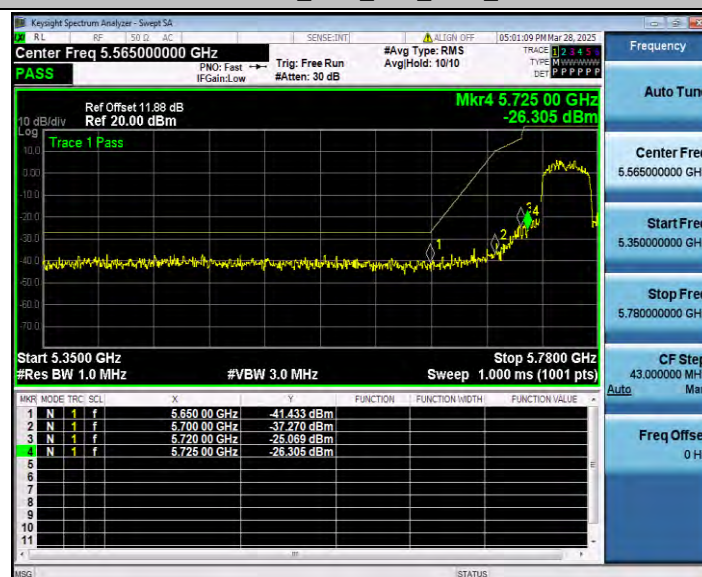




11N20SISO_Ant1_High_5825_Peak



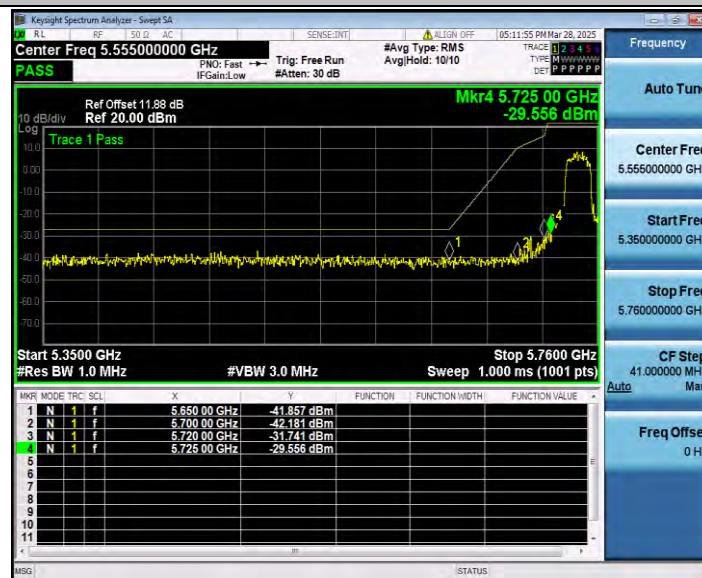
11N40SISO_Ant1_Low_5755_Peak



11N40SISO_Ant1_High_5795_Peak



11AC20SISO_Ant1_Low_5745_Peak



11AC20SISO_Ant1_High_5825_Peak



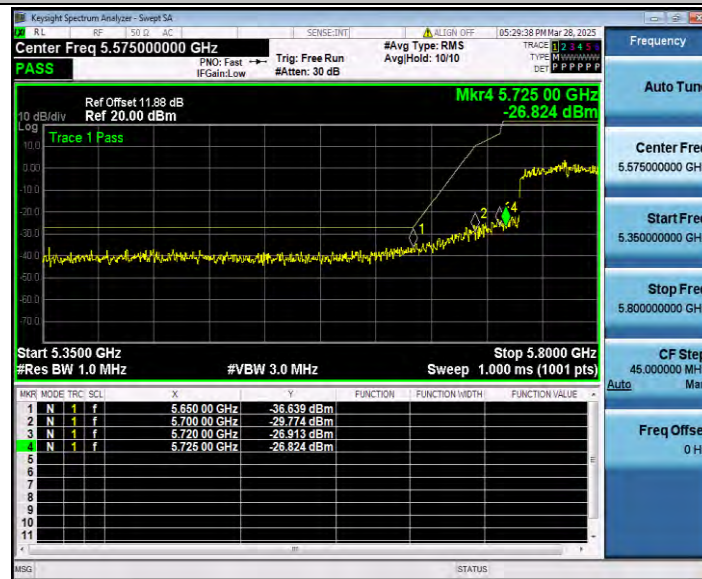
11AC40SISO_Ant1_Low_5755_Peak



11AC40SISO_Ant1_High_5795_Peak



11AC80SISO_Ant1_Low_5775_Peak



11AC80SISO_Ant1_High_5775_Peak

