

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	Ant1	5745	10.68	86.16	0.65	11.33	≤30.00	PASS
		5785	11.20	86.71	0.62	11.82	≤30.00	PASS
		5825	11.29	86.71	0.62	11.91	≤30.00	PASS
11N20SISO	Ant1	5745	10.74	84.11	0.75	11.49	≤30.00	PASS
		5785	11.06	84.11	0.75	11.81	≤30.00	PASS
		5825	11.34	87.07	0.60	11.94	≤30.00	PASS
11N40SISO	Ant1	5755	10.49	57.14	2.43	12.92	≤30.00	PASS
		5795	10.86	77.78	1.09	11.95	≤30.00	PASS
11AC20SISO	Ant1	5745	10.99	85.91	0.66	11.65	≤30.00	PASS
		5785	11.44	74.14	1.30	12.74	≤30.00	PASS
		5825	11.50	90.14	0.45	11.95	≤30.00	PASS
11AC40SISO	Ant1	5755	10.44	75.29	1.23	11.67	≤30.00	PASS
		5795	10.64	75.29	1.23	11.87	≤30.00	PASS
11AX20SISO	Ant1	5745	10.83	85.91	0.66	11.49	≤30.00	PASS
		5785	11.30	81.30	0.90	12.20	≤30.00	PASS
		5825	11.45	81.30	0.90	12.35	≤30.00	PASS
11AX40SISO	Ant1	5755	10.15	71.62	1.45	11.60	≤30.00	PASS
		5795	10.71	68.83	1.62	12.33	≤30.00	PASS

Appendix E.5: Maximum power spectral density

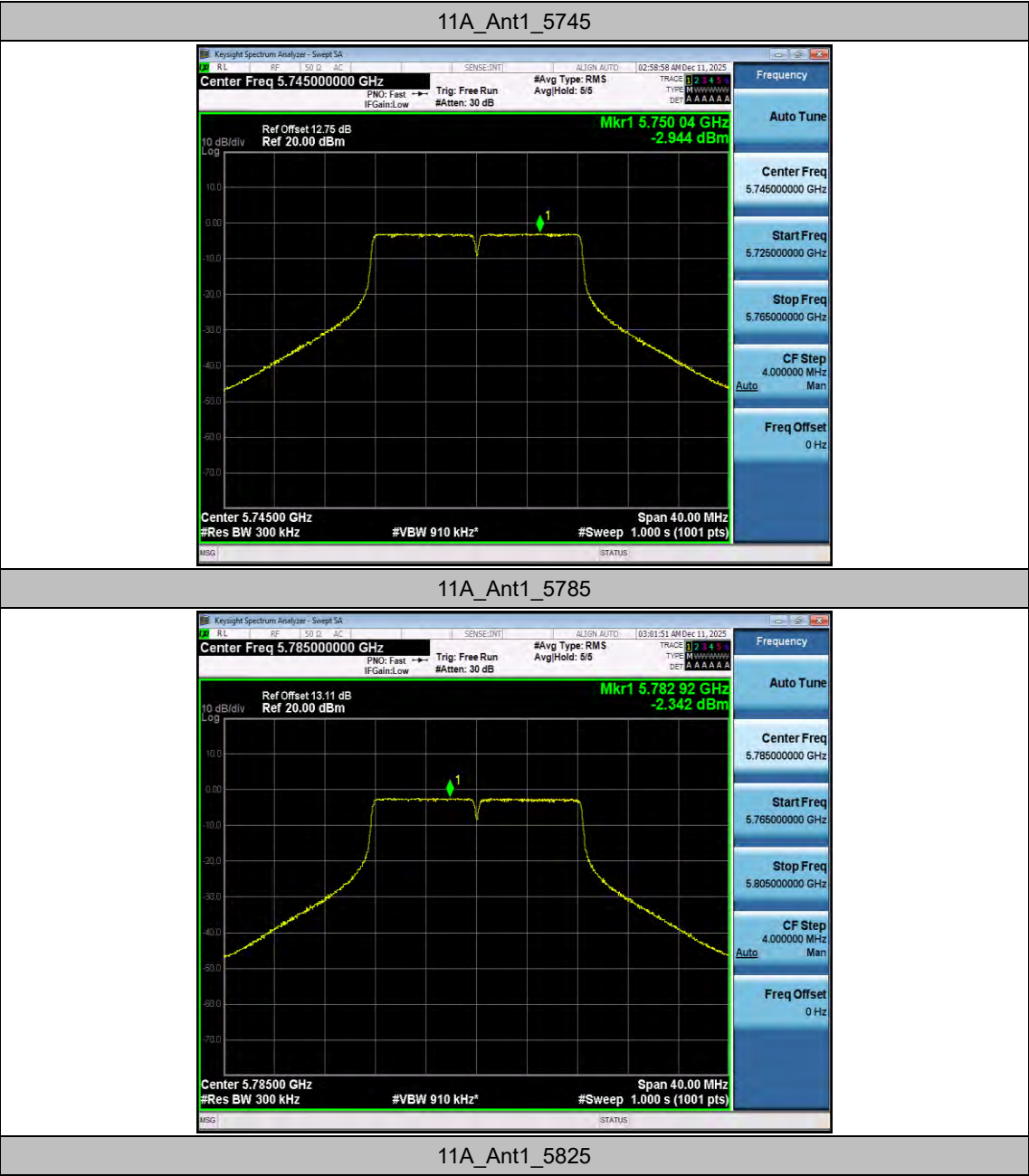
Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	-2.94	≤30.00	PASS
		5785	-2.34	≤30.00	PASS
		5825	-2.14	≤30.00	PASS
11N20SISO	Ant1	5745	-3.09	≤30.00	PASS
		5785	-2.50	≤30.00	PASS
		5825	-2.65	≤30.00	PASS
11N40SISO	Ant1	5755	-4.41	≤30.00	PASS
		5795	-5.51	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.11	≤30.00	PASS
		5785	-2.02	≤30.00	PASS
		5825	-2.62	≤30.00	PASS
11AC40SISO	Ant1	5755	-5.48	≤30.00	PASS
		5795	-5.23	≤30.00	PASS
11AX20SISO	Ant1	5745	-3.43	≤30.00	PASS
		5785	-2.82	≤30.00	PASS
		5825	-2.38	≤30.00	PASS
11AX40SISO	Ant1	5755	-5.64	≤30.00	PASS
		5795	-4.93	≤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



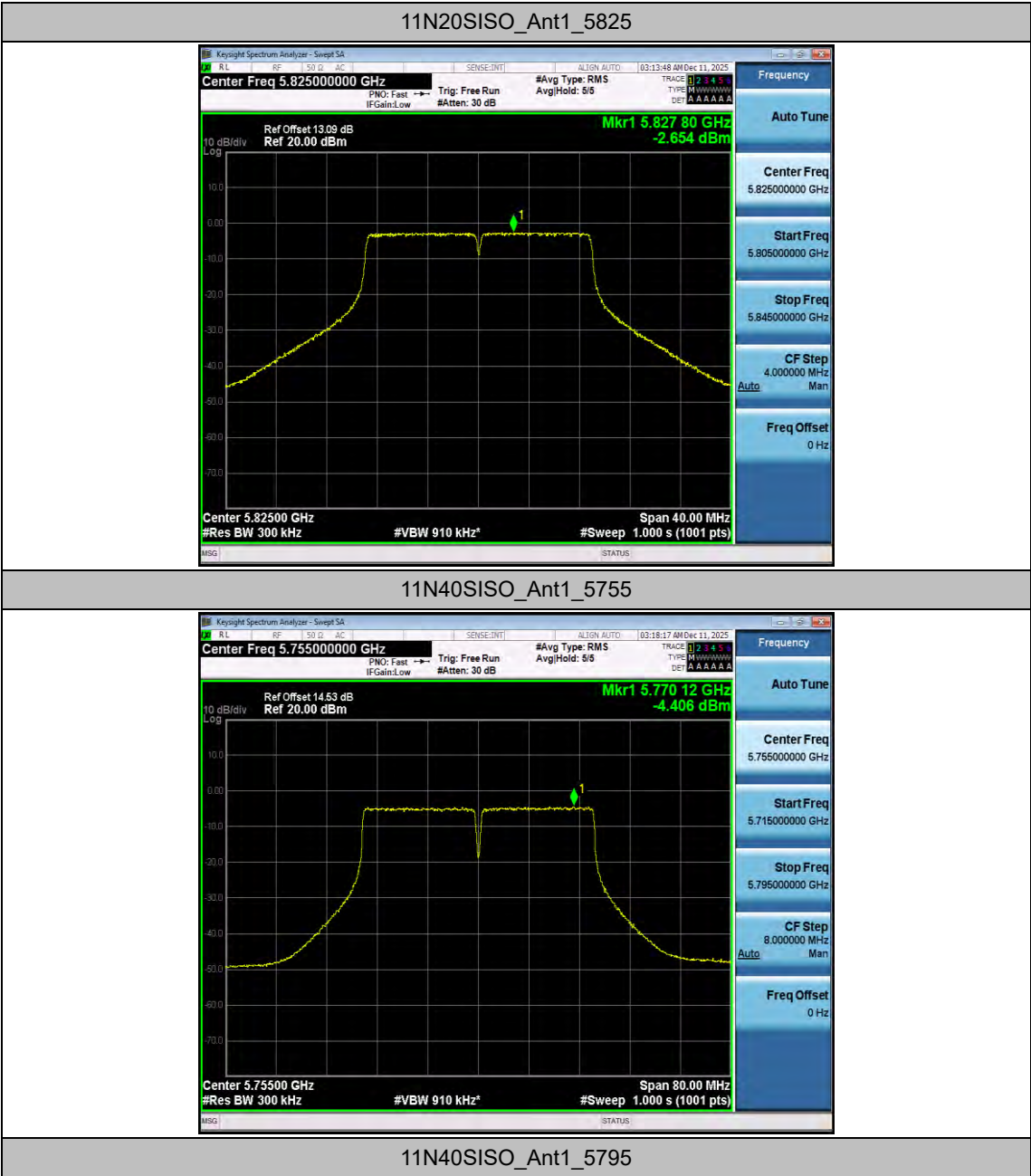


11N20SISO_Ant1_5745



11N20SISO_Ant1_5785







11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



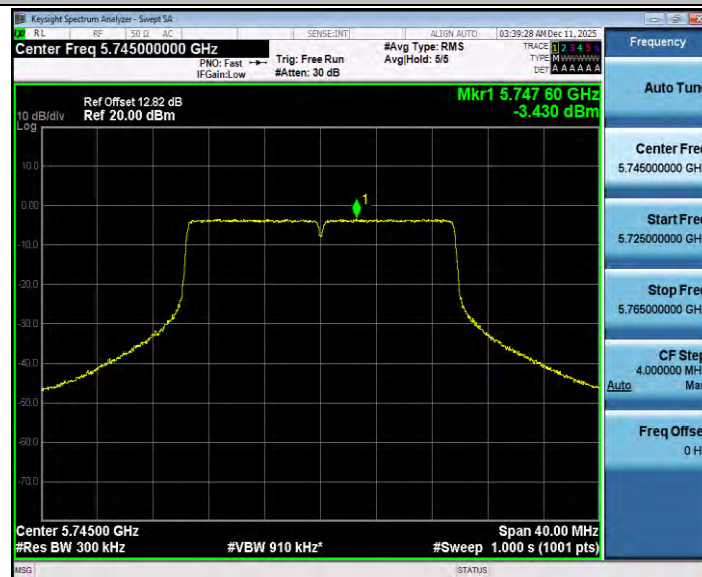
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



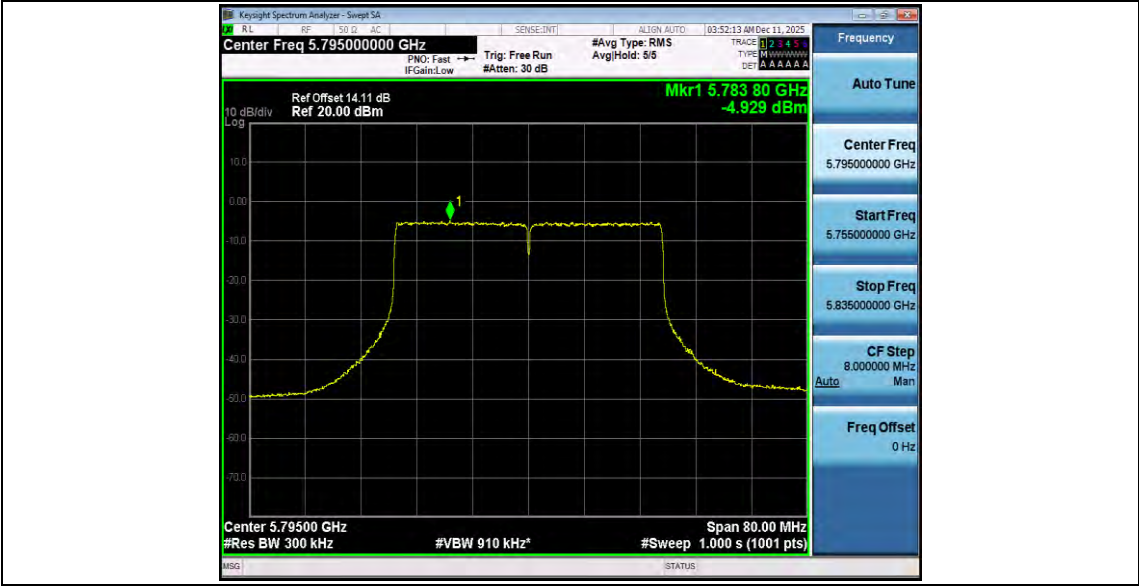
11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



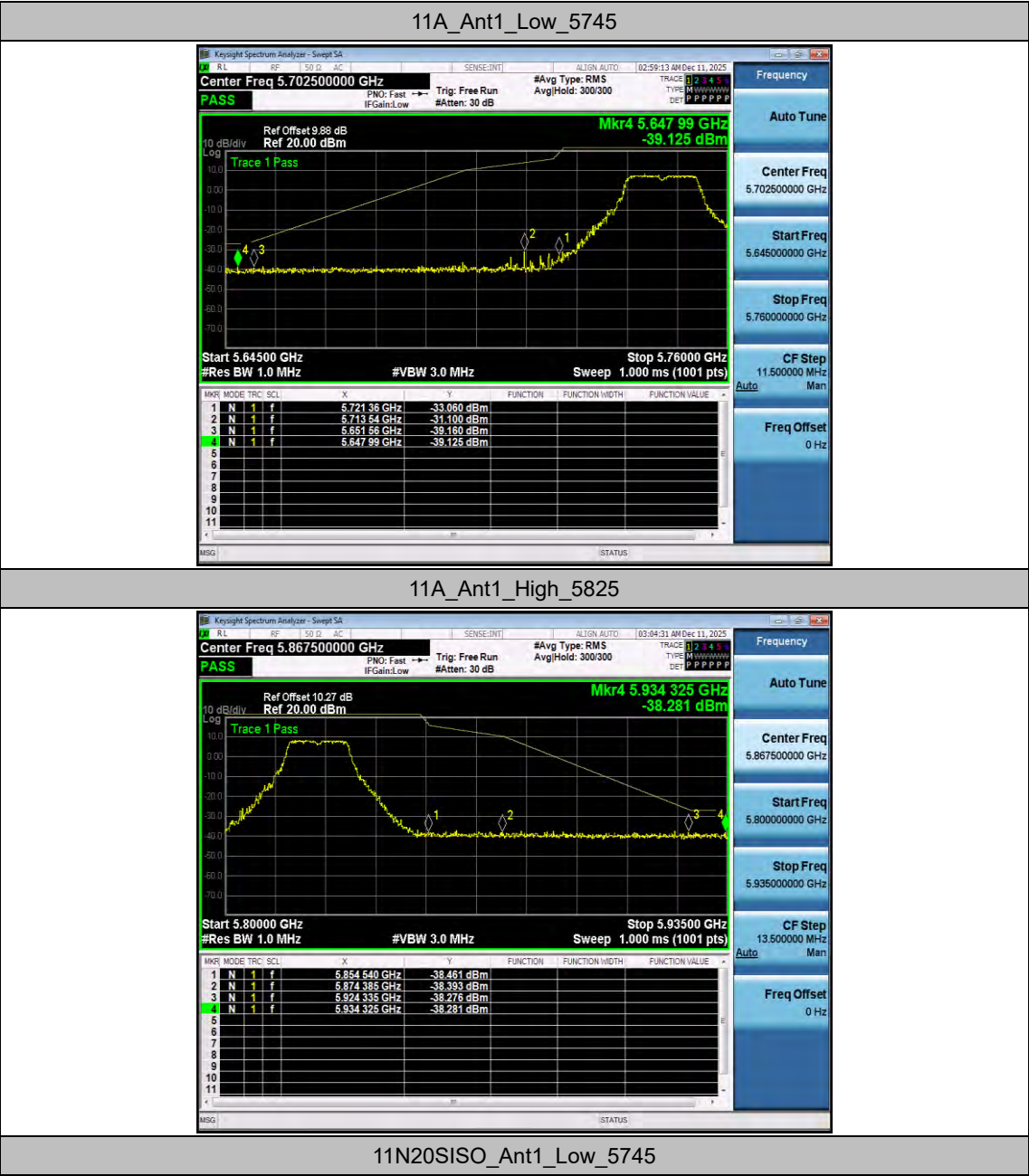
Appendix E.6:Band edge measurements

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.16	≤-25.85	PASS
				5700~5720	-31.1	≤13.79	PASS
				5720~5725	-33.06	≤18.70	PASS
				5760~5650	-39.13	≤-27	PASS
		High	5825	5850~5855	-38.46	≤16.65	PASS
				5855~5875	-38.39	≤10.17	PASS
				5875~5925	-38.28	≤-26.51	PASS
				5925~5935	-38.28	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-39.36	≤-26.10	PASS
				5700~5720	-33.79	≤12.15	PASS
				5720~5725	-28.2	≤16.87	PASS
				5760~5650	-38.79	≤-27	PASS
		High	5825	5850~5855	-37.07	≤16.03	PASS
				5855~5875	-32.66	≤14.75	PASS
				5875~5925	-38.54	≤-26.61	PASS
				5925~5935	-38.43	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-38.94	≤-25.71	PASS
				5700~5720	-30.78	≤15.16	PASS
				5720~5725	-27.79	≤18.20	PASS
				5780~5650	-39.97	≤-27	PASS
		High	5795	5850~5855	-38.56	≤16.79	PASS
				5855~5875	-37.72	≤10.06	PASS
				5875~5925	-37.45	≤-25.36	PASS
				5925~5935	-38.44	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-38.83	≤-26.10	PASS
				5700~5720	-39.18	≤10.02	PASS
				5720~5725	-33.32	≤18.18	PASS
				5760~5650	-38.68	≤-27	PASS
		High	5825	5850~5855	-39.85	≤15.73	PASS
				5855~5875	-30.9	≤15.54	PASS
				5875~5925	-38.68	≤-26.91	PASS
				5925~5935	-37.85	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-39.17	≤-26.10	PASS
				5700~5720	-32.32	≤11.19	PASS
				5720~5725	-32.01	≤17.28	PASS
				5780~5650	-39.31	≤-27	PASS

		High	5795	5850~5855	-37.86	≤ 16.41	PASS
				5855~5875	-38.87	≤ 10.25	PASS
				5875~5925	-38.96	≤ -26.95	PASS
				5925~5935	-38.06	≤ -27	PASS
11AX20SI SO	Ant1	Low	5745	5650~5700	-39	≤ -26.96	PASS
				5700~5720	-34.32	≤ 12.92	PASS
				5720~5725	-23.22	≤ 22.37	PASS
				5760~5650	-38.69	≤ -27	PASS
		High	5825	5850~5855	-36.58	≤ 16.96	PASS
				5855~5875	-37.27	≤ 10.55	PASS
				5875~5925	-38.67	≤ -26.81	PASS
				5925~5935	-38.63	≤ -27	PASS
11AX40SI SO	Ant1	Low	5755	5650~5700	-40.15	≤ -26.60	PASS
				5700~5720	-31.39	≤ 15.01	PASS
				5720~5725	-32.33	≤ 15.74	PASS
				5780~5650	-39.41	≤ -27	PASS
		High	5795	5850~5855	-39.22	≤ 15.66	PASS
				5855~5875	-37.83	≤ 10.89	PASS
				5875~5925	-38.14	≤ -25.85	PASS
				5925~5935	-38.52	≤ -27	PASS

Test GraphsB4



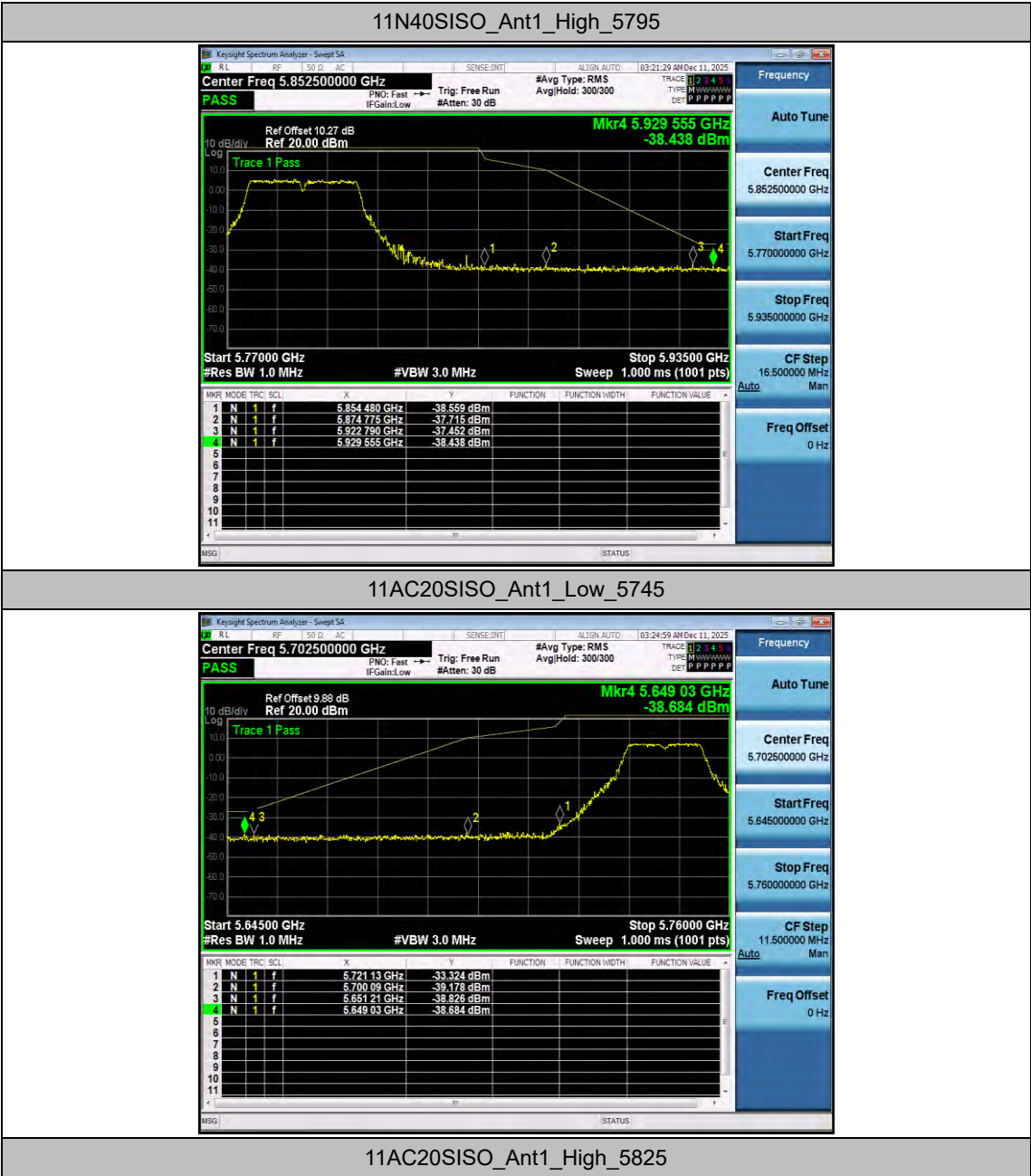


11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755







11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



11AX20SISO_Ant1_Low_5745



11AX20SISO_Ant1_High_5825



11AX40SISO_Ant1_Low_5755

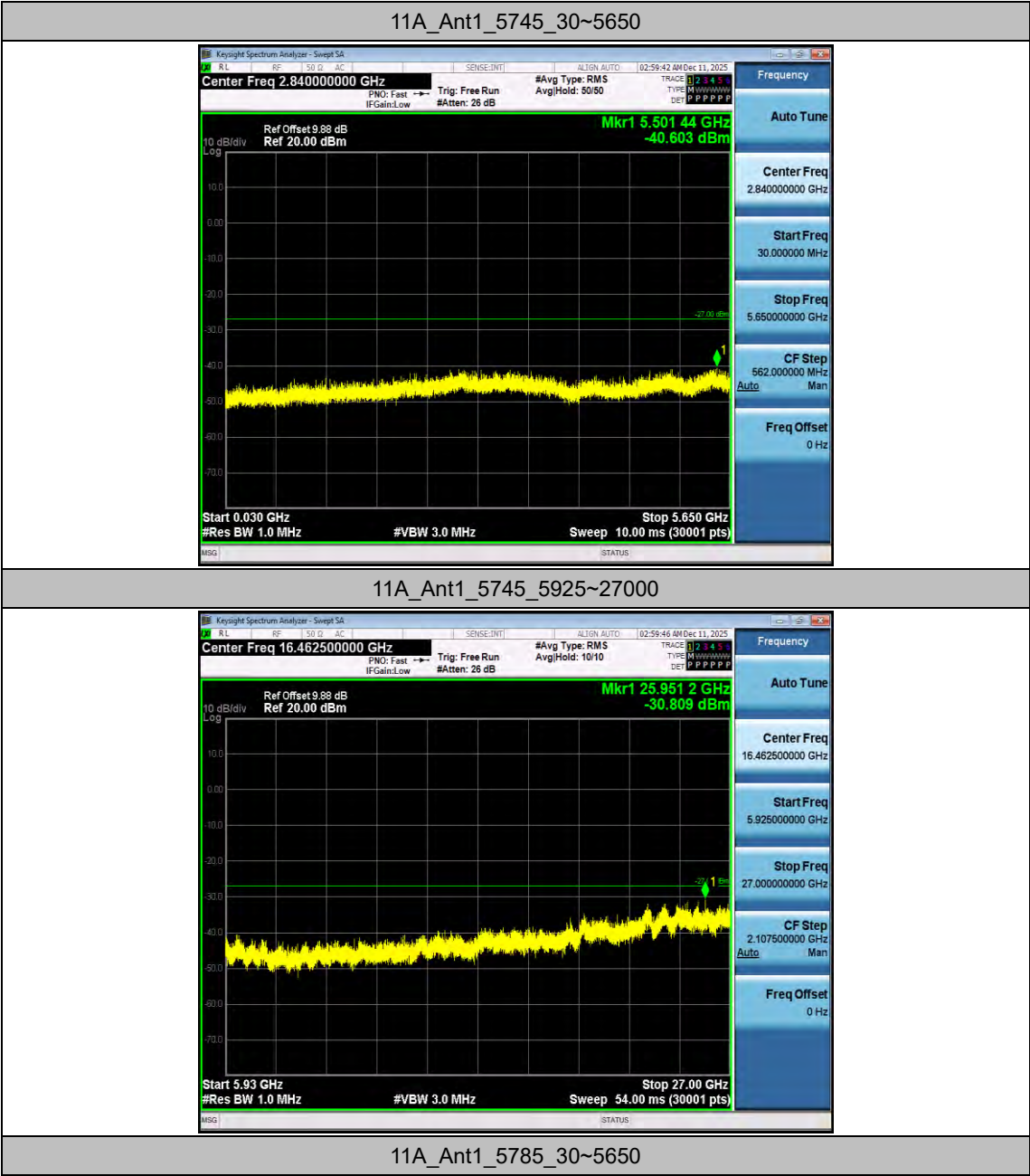


Appendix E.7:Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5745	30~5650	5501.44	-40.6	≤-27	PASS
			5925~27000	25951.17	-30.81	≤-27	PASS
		5785	30~5650	2671.59	-40.04	≤-27	PASS
			5925~27000	24271.49	-30.45	≤-27	PASS
		5825	30~5650	5452.93	-39.73	≤-27	PASS
			5925~27000	25118	-30.92	≤-27	PASS
11N20SISO	Ant1	5745	30~5650	5489.83	-40.17	≤-27	PASS
			5925~27000	24301.7	-31.28	≤-27	PASS
		5785	30~5650	5465.29	-40.46	≤-27	PASS
			5925~27000	26632.59	-31.44	≤-27	PASS
		5825	30~5650	3298.78	-39.72	≤-27	PASS
			5925~27000	23558.45	-31.44	≤-27	PASS
11N40SISO	Ant1	5755	30~5650	4943.38	-39.24	≤-27	PASS
			5925~27000	24271.49	-31.62	≤-27	PASS
		5795	30~5650	2678.33	-39.58	≤-27	PASS
			5925~27000	25557.07	-31.73	≤-27	PASS
11AC20SISO	Ant1	5745	30~5650	4595.88	-40.44	≤-27	PASS
			5925~27000	24263.06	-31.61	≤-27	PASS
		5785	30~5650	5402.53	-39.85	≤-27	PASS
			5925~27000	24146.45	-30.78	≤-27	PASS
		5825	30~5650	5558.77	-39.3	≤-27	PASS
			5925~27000	23475.56	-30.61	≤-27	PASS
11AC40SISO	Ant1	5755	30~5650	5472.78	-40.39	≤-27	PASS
			5925~27000	25220.57	-31.72	≤-27	PASS
		5795	30~5650	5567.57	-40.43	≤-27	PASS
			5925~27000	26903.06	-30.8	≤-27	PASS
11AX20SISO	Ant1	5745	30~5650	3182.45	-40.87	≤-27	PASS
			5925~27000	26824.38	-32.09	≤-27	PASS
		5785	30~5650	2633	-39.74	≤-27	PASS
			5925~27000	26617.84	-31.23	≤-27	PASS
		5825	30~5650	5496.95	-39.58	≤-27	PASS
			5925~27000	25141.19	-30.9	≤-27	PASS
11AX40SISO	Ant1	5755	30~5650	3005.6	-40.5	≤-27	PASS
			5925~27000	25079.37	-31.16	≤-27	PASS
		5795	30~5650	2629.44	-40.26	≤-27	PASS
			5925~27000	26793.47	-31.55	≤-27	PASS

Test Graphs





11A_Ant1_5785_5925~27000



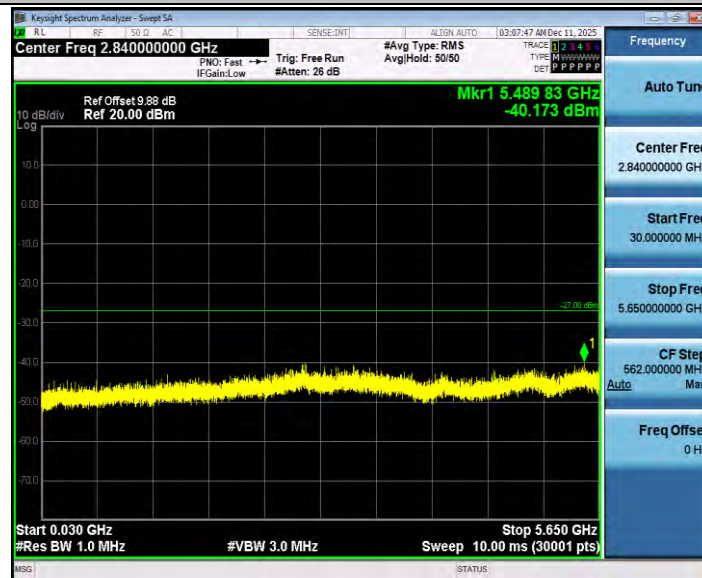
11A_Ant1_5825_30~5650



11A_Ant1_5825_5925~27000



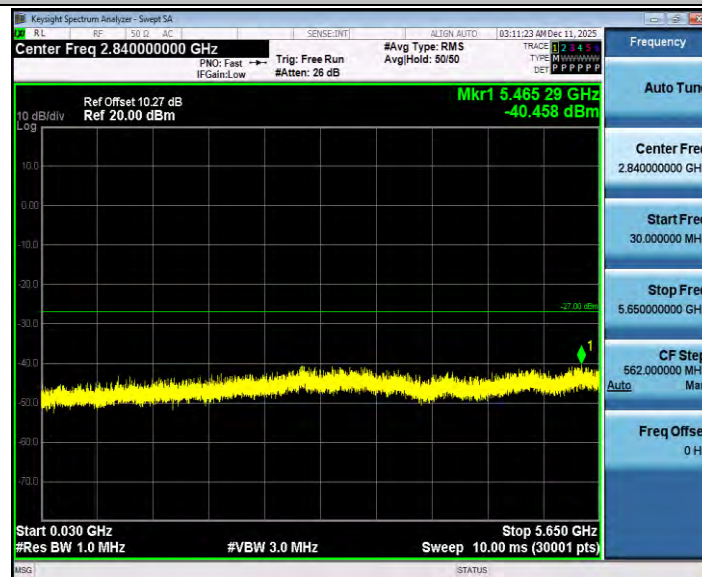
11N20SISO_Ant1_5745_30~5650



11N20SISO_Ant1_5745_5925~27000



11N20SISO_Ant1_5785_30~5650



11N20SISO_Ant1_5785_5925~27000



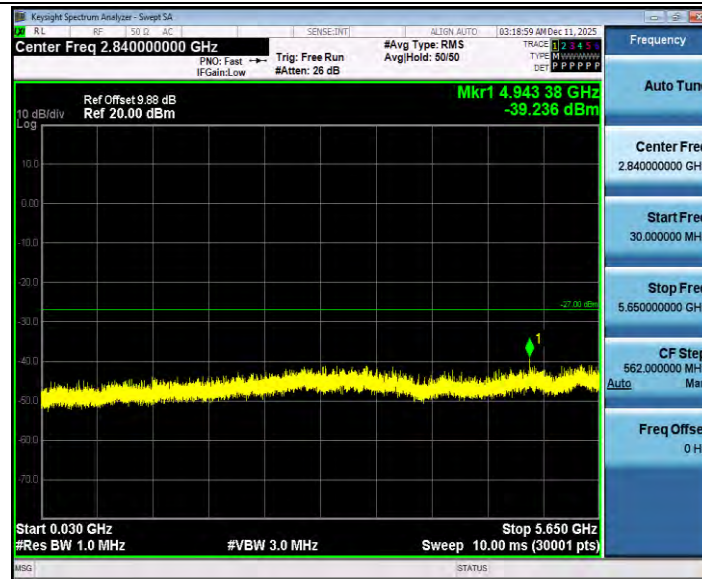
11N20SISO_Ant1_5825_30~5650



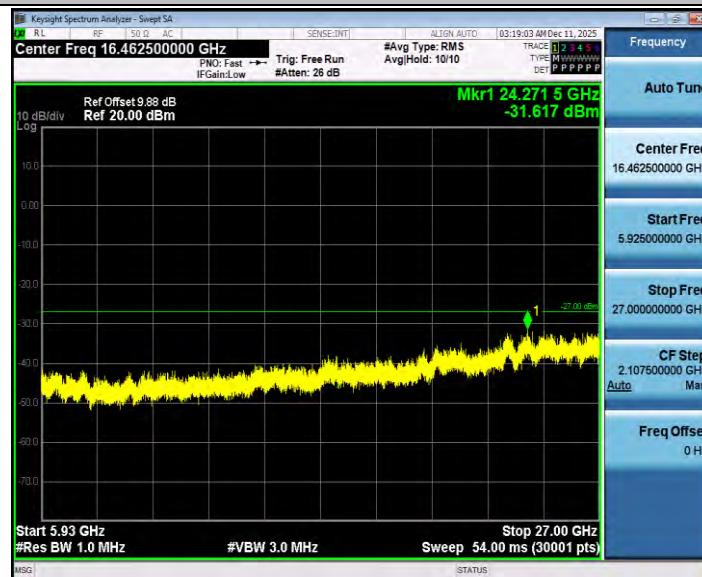
11N20SISO_Ant1_5825_5925~27000



11N40SISO_Ant1_5755_30~5650



11N40SISO_Ant1_5755_5925~27000



11N40SISO_Ant1_5795_30~5650



11N40SISO_Ant1_5795_5925~27000



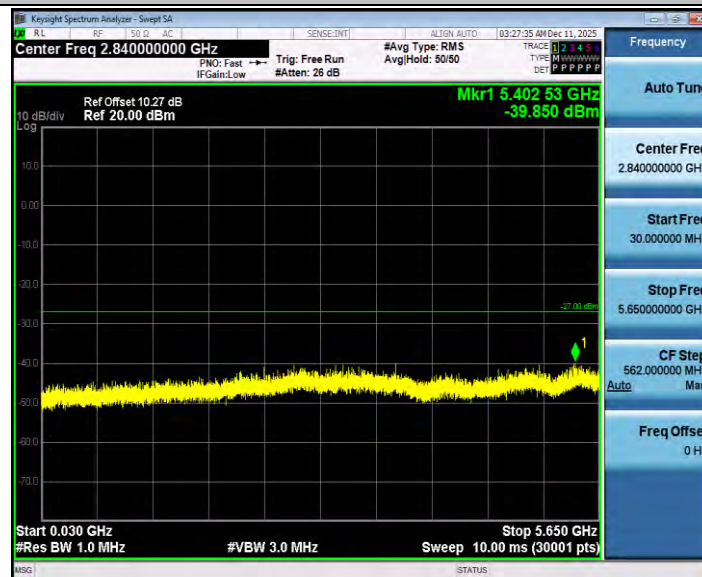
11AC20SISO_Ant1_5745_30~5650



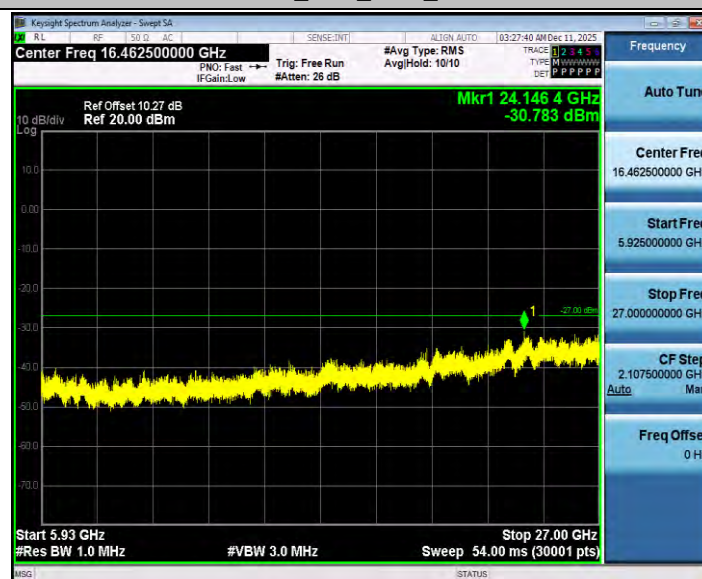
11AC20SISO_Ant1_5745_5925~27000



11AC20SISO_Ant1_5785_30~5650



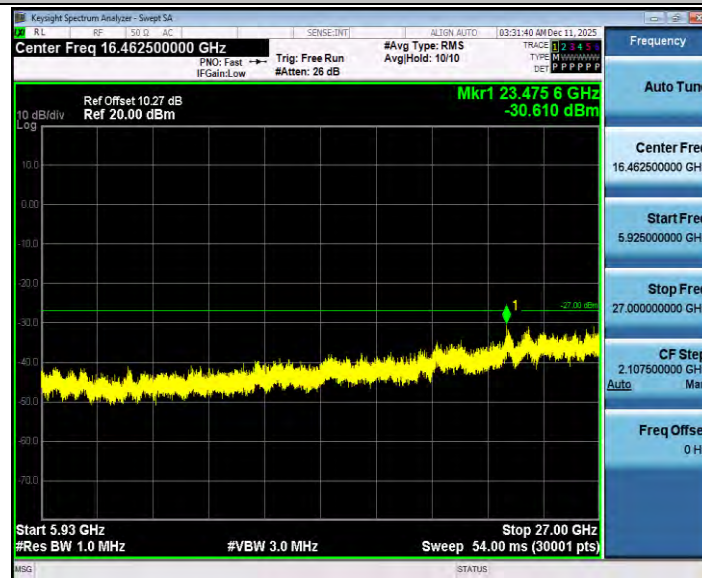
11AC20SISO_Ant1_5785_5925~27000



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



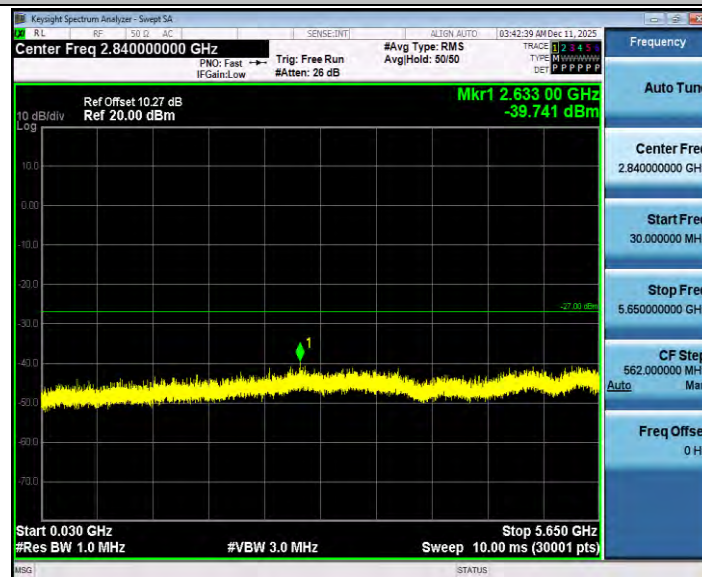
11AX20SISO_Ant1_5745_30~5650



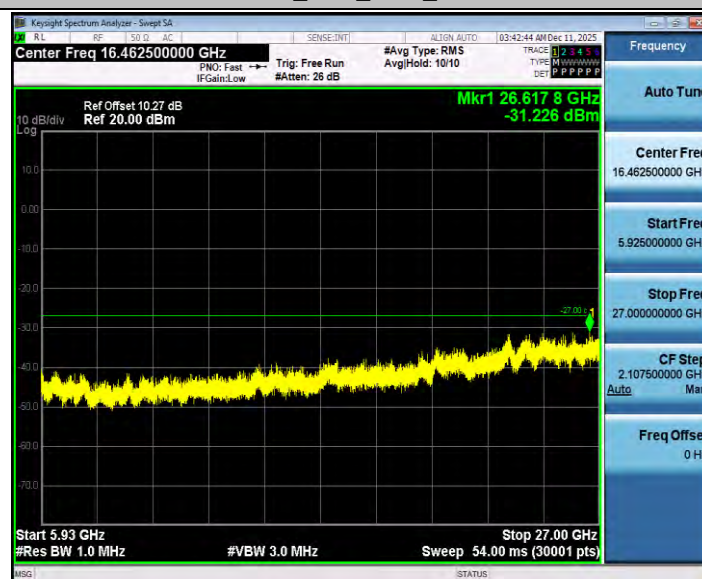
11AX20SISO_Ant1_5745_5925~27000



11AX20SISO_Ant1_5785_30~5650



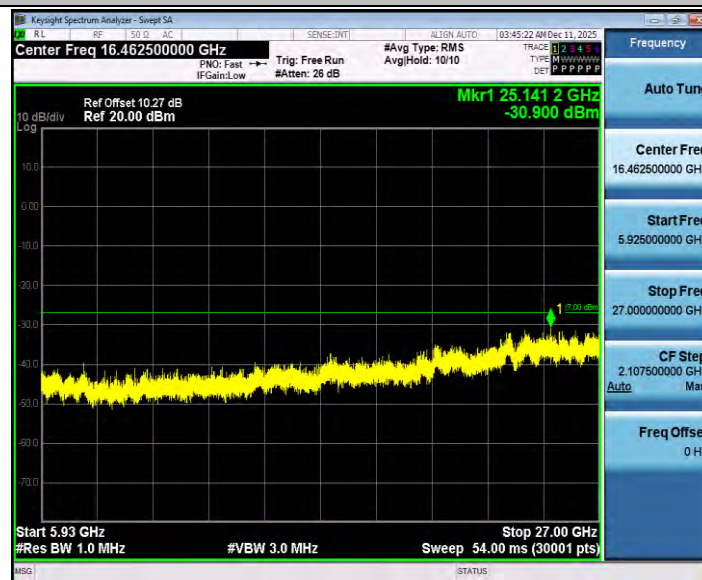
11AX20SISO_Ant1_5785_5925~27000



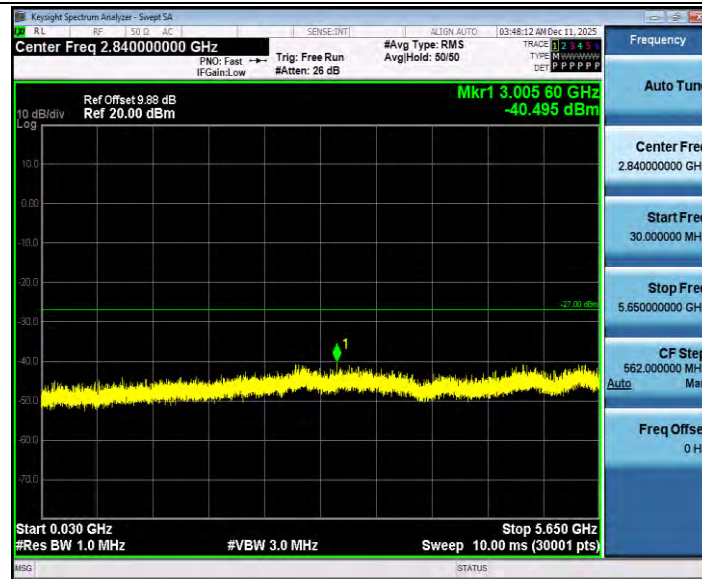
11AX20SISO_Ant1_5825_30~5650



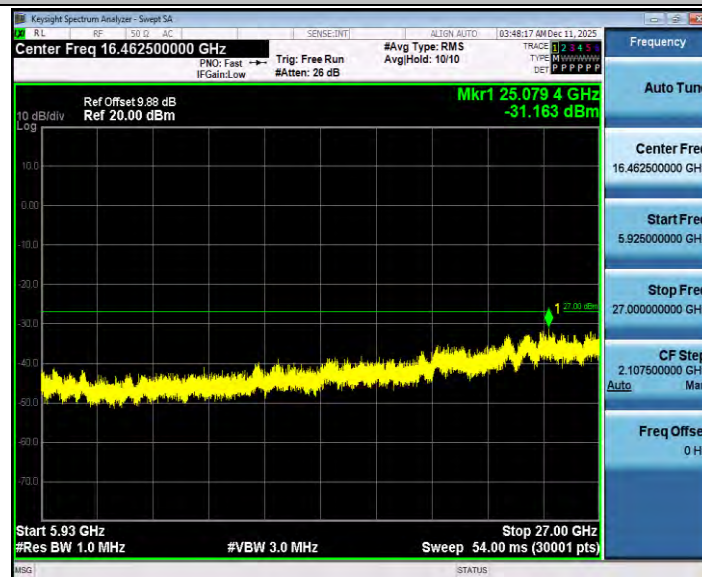
11AX20SISO_Ant1_5825_5925~27000



11AX40SISO_Ant1_5755_30~5650

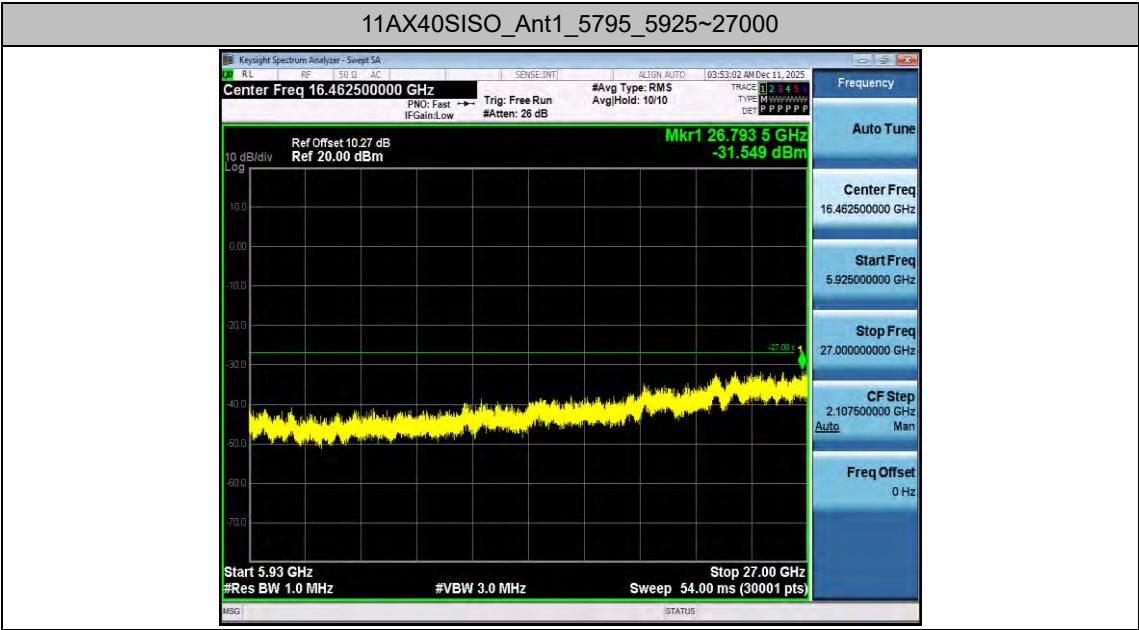


11AX40SISO_Ant1_5755_5925~27000



11AX40SISO_Ant1_5795_30~5650





Appendix E.8:Emissions in Restricted Bands

Test Result

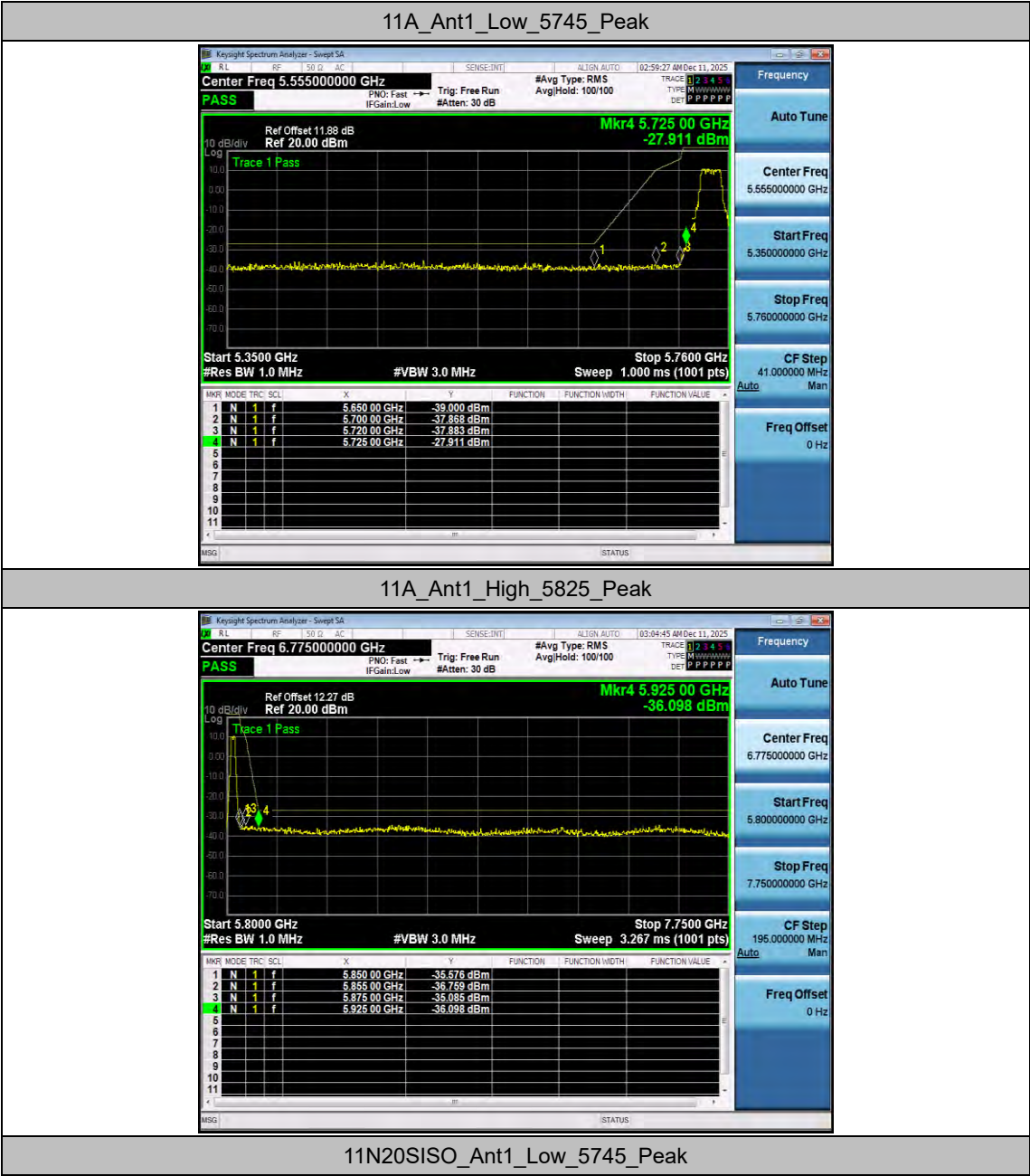
TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBUV/m]	Limit [dBUV/m]	Verdict
11A	Ant1	Low	5745	Peak	5650.000	-39	≤-27.00	---	---	PASS
				Peak	5700.000	-37.87	≤10.00	---	---	PASS
				Peak	5720.000	-37.88	≤15.60	---	---	PASS
				Peak	5725.000	-27.91	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-35.576	≤27.00	---	---	PASS
				Peak	5855.000	-36.76	≤15.60	---	---	PASS
				Peak	5875.000	-35.09	≤10.00	---	---	PASS
				Peak	5925.000	-36.1	≤-27.00	- --	- --	PASS
11N20SIS O	Ant1	Low	5745	Peak	5650.000	-38.55	≤-27.00	---	---	PASS
				Peak	5700.000	-38.87	≤10.00	---	---	PASS
				Peak	5720.000	-37.16	≤15.60	---	---	PASS
				Peak	5725.000	-26.05	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-34.042	≤27.00	---	---	PASS
				Peak	5855.000	-35.38	≤15.60	---	---	PASS
				Peak	5875.000	-36.22	≤10.00	---	---	PASS
				Peak	5925.000	-36.33	≤-27.00	- --	- --	PASS
11N40SIS O	Ant1	Low	5755	Peak	5650.000	-40.934	≤-27.00	---	---	PASS
				Peak	5700.000	-38.87	≤10.00	---	---	PASS
				Peak	5720.000	-39.41	≤15.60	---	---	PASS
				Peak	5725.000	-34.08	≤27.00	- --	- --	PASS
		High	5795	Peak	5850.000	-36.36	≤27.00	---	---	PASS
				Peak	5855.000	-36.59	≤15.60	---	---	PASS
				Peak	5875.000	-36.47	≤10.00	---	---	PASS
				Peak	5925.000	-36.56	≤-27.00	- --	- --	PASS
11AC20SI SO	Ant1	Low	5745	Peak	5650.000	-39.664	≤-27.00	---	---	PASS
				Peak	5700.000	-39.04	≤10.00	---	---	PASS
				Peak	5720.000	-28.29	≤15.60	---	---	PASS
				Peak	5725.000	-25.97	≤27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-34.738	≤27.00	---	---	PASS
				Peak	5855.000	-36.35	≤15.60	---	---	PASS
				Peak	5875.000	-36.24	≤10.00	---	---	PASS
				Peak	5925.000	-36.75	≤-27.00	- --	- --	PASS
11AC40SI SO	Ant1	Low	5755	Peak	5650.000	-39.143	≤-27.00	---	---	PASS
				Peak	5700.000	-36.38	≤10.00	---	---	PASS
				Peak	5720.000	-37.39	≤15.60	---	---	PASS
				Peak	5725.000	-28.86	≤27.00	- --	- --	PASS

		High	5795	Peak	5850.000	-36.051	≤ 27.00	---	---	PASS
				Peak	5855.000	-36.46	≤ 15.60	---	---	PASS
				Peak	5875.000	-35.34	≤ 10.00	---	---	PASS
				Peak	5925.000	-37.38	≤ -27.00	- --	- --	PASS
11AX20SI SO	Ant1	Low	5745	Peak	5650.000	-39.972	≤ -27.00	---	---	PASS
				Peak	5700.000	-38.56	≤ 10.00	---	---	PASS
				Peak	5720.000	-37.79	≤ 15.60	---	---	PASS
				Peak	5725.000	-26.64	≤ 27.00	- --	- --	PASS
		High	5825	Peak	5850.000	-36.605	≤ 27.00	---	---	PASS
				Peak	5855.000	-35.37	≤ 15.60	---	---	PASS
				Peak	5875.000	-36.85	≤ 10.00	---	---	PASS
				Peak	5925.000	-36.7	≤ -27.00	- --	- --	PASS
11AX40SI SO	Ant1	Low	5755	Peak	5650.000	-38.961	≤ -27.00	---	---	PASS
				Peak	5700.000	-37.98	≤ 10.00	---	---	PASS
				Peak	5720.000	-36.25	≤ 15.60	---	---	PASS
				Peak	5725.000	-23.16	≤ 27.00	- --	- --	PASS
		High	5795	Peak	5850.000	-37.226	≤ 27.00	---	---	PASS
				Peak	5855.000	-36.81	≤ 15.60	---	---	PASS
				Peak	5875.000	-35.94	≤ 10.00	---	---	PASS
				Peak	5925.000	-35.86	≤ -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



11A_Ant1_High_5825_Peak

Frequency

Auto Tune

Center Freq
6.775000000 GHzStart Freq
5.800000000 GHzStop Freq
7.750000000 GHzCF Step
195.000000 MHz
Auto ManFreq Offset
0 Hz

11N20SISO_Ant1_Low_5745_Peak



11N20SISO_Ant1_High_5825_Peak



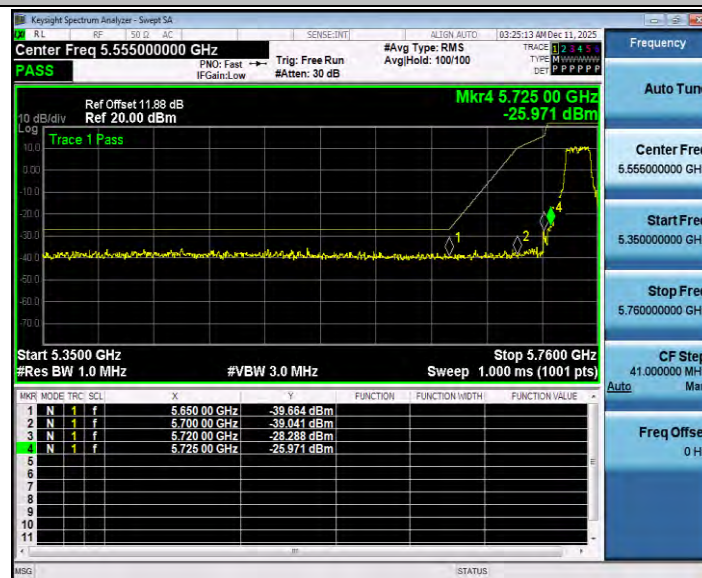
11N40SISO_Ant1_Low_5755_Peak



11N40SISO_Ant1_High_5795_Peak



11AC20SISO_Ant1_Low_5745_Peak



11AC20SISO_Ant1_High_5825_Peak



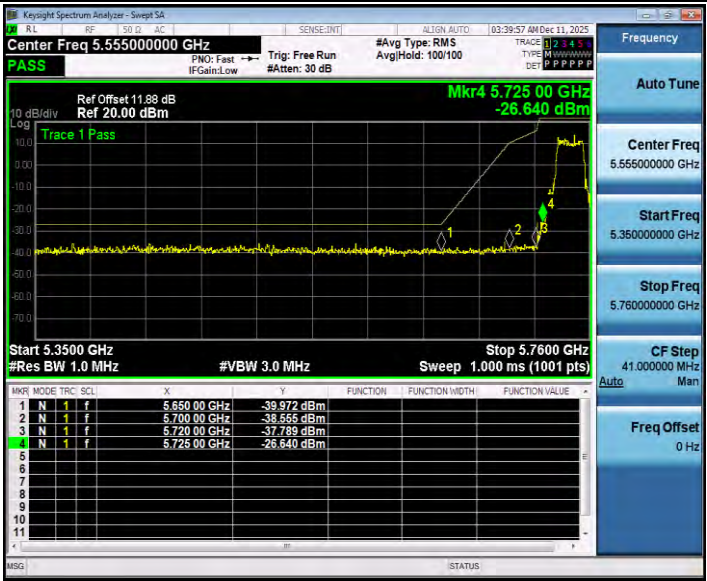
11AC40SISO_Ant1_Low_5755_Peak



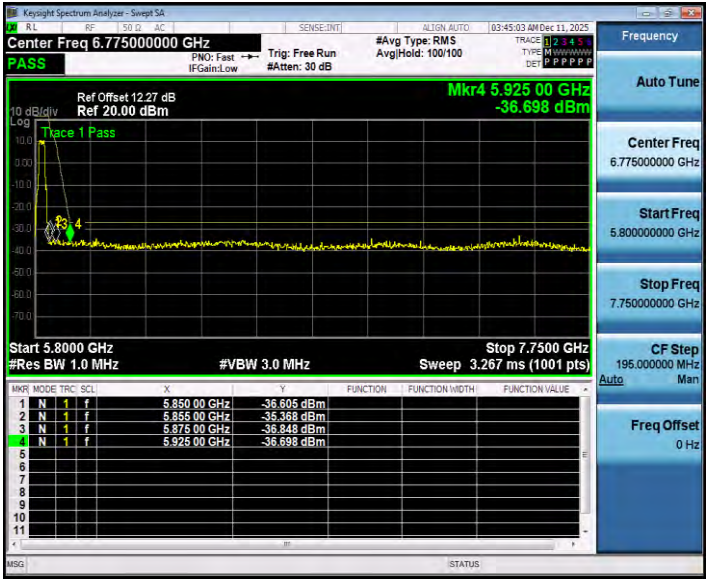
11AC40SISO_Ant1_High_5795_Peak



11AX20SISO_Ant1_Low_5745_Peak



11AX20SISO_Ant1_High_5825_Peak



11AX40SISO_Ant1_Low_5755_Peak



11AX40SISO_Ant1_High_5795_Peak

