

Appendix F.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	5500	11.90	91.44	0.39	12.29	≤23.98	PASS
		5580	12.18	89.43	0.49	12.67	≤23.98	PASS
		5700	11.34	90.67	0.43	11.77	≤23.98	PASS
11N20SIS O	Ant1	5500	12.02	88.73	0.52	12.54	≤23.98	PASS
		5580	12.29	89.57	0.48	12.77	≤23.98	PASS
		5700	11.25	89.57	0.48	11.73	≤23.98	PASS
11N40SIS O	Ant1	5510	10.92	65.49	1.84	12.76	≤23.98	PASS
		5590	10.58	81.03	0.91	11.49	≤23.98	PASS
		5670	11.08	80.87	0.92	12.00	≤23.98	PASS
11AC20SIS O	Ant1	5500	12.05	90.48	0.43	12.48	≤23.98	PASS
		5580	12.17	90.91	0.41	12.58	≤23.98	PASS
		5700	11.34	91.35	0.39	11.73	≤23.98	PASS
11AC40SIS O	Ant1	5510	11.24	65.03	1.87	13.11	≤23.98	PASS
		5590	11.11	81.03	0.91	12.02	≤23.98	PASS
		5670	11.13	79.66	0.99	12.12	≤23.98	PASS
11AC80SIS O	Ant1	5530	10.18	48.91	3.11	13.29	≤23.98	PASS
		5610	10.31	66.18	1.79	12.10	≤23.98	PASS
11AX20SIS O	Ant1	5500	11.10	88.48	0.53	11.63	≤23.98	PASS
		5580	11.26	88.48	0.53	11.79	≤23.98	PASS
		5700	10.28	87.95	0.56	10.84	≤23.98	PASS
11AX40SIS O	Ant1	5510	9.01	76.00	1.19	10.20	≤23.98	PASS
		5590	10.32	76.00	1.19	11.51	≤23.98	PASS
		5670	10.53	76.00	1.19	11.72	≤23.98	PASS
11AX80SIS O	Ant1	5530	9.08	44.32	3.53	12.61	≤23.98	PASS
		5610	8.57	62.90	2.01	10.58	≤23.98	PASS

Appendix F.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	0.72	≤11.00	PASS
		5580	1.08	≤11.00	PASS
		5700	0.39	≤11.00	PASS
11N20SISO	Ant1	5500	0.67	≤11.00	PASS
		5580	0.80	≤11.00	PASS
		5700	0.21	≤11.00	PASS
11N40SISO	Ant1	5510	-1.04	≤11.00	PASS
		5590	-2.18	≤11.00	PASS
		5670	-2.07	≤11.00	PASS
11AC20SISO	Ant1	5500	0.56	≤11.00	PASS
		5580	0.66	≤11.00	PASS
		5700	0.14	≤11.00	PASS
11AC40SISO	Ant1	5510	-1.06	≤11.00	PASS
		5590	-2.27	≤11.00	PASS
		5670	-1.93	≤11.00	PASS
11AC80SISO	Ant1	5530	-3.32	≤11.00	PASS
		5610	-3.40	≤11.00	PASS
11AX20SISO	Ant1	5500	-0.54	≤11.00	PASS
		5580	-0.46	≤11.00	PASS
		5700	-0.92	≤11.00	PASS
11AX40SISO	Ant1	5510	-2.45	≤11.00	PASS
		5590	-3.93	≤11.00	PASS
		5670	-3.11	≤11.00	PASS
11AX80SISO	Ant1	5530	-5.04	≤11.00	PASS
		5610	-4.53	≤11.00	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_5500



11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



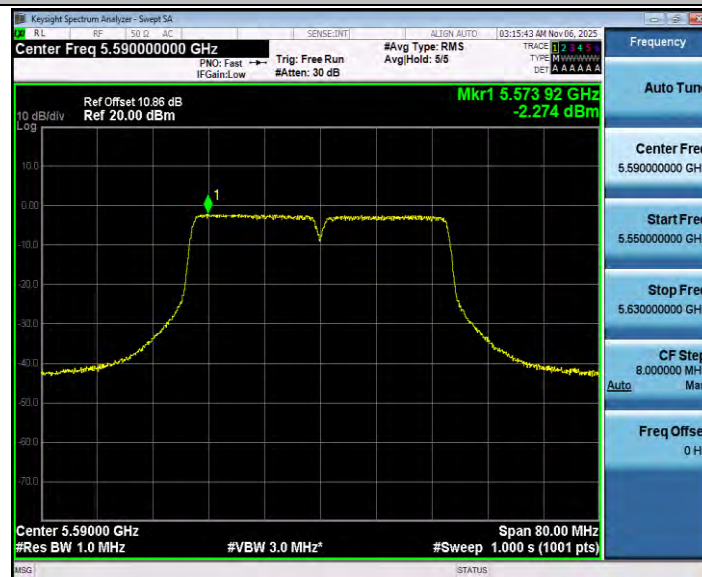
11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



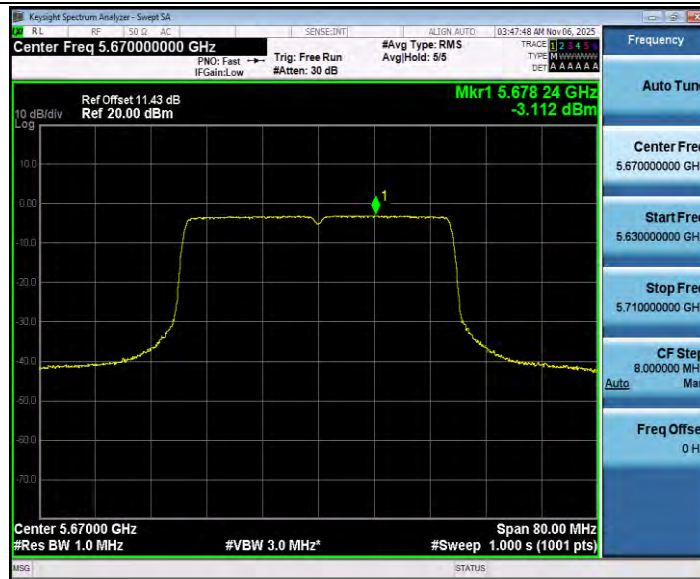
11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



11AX80ISO_Ant1_5530



11AX80ISO_Ant1_5610

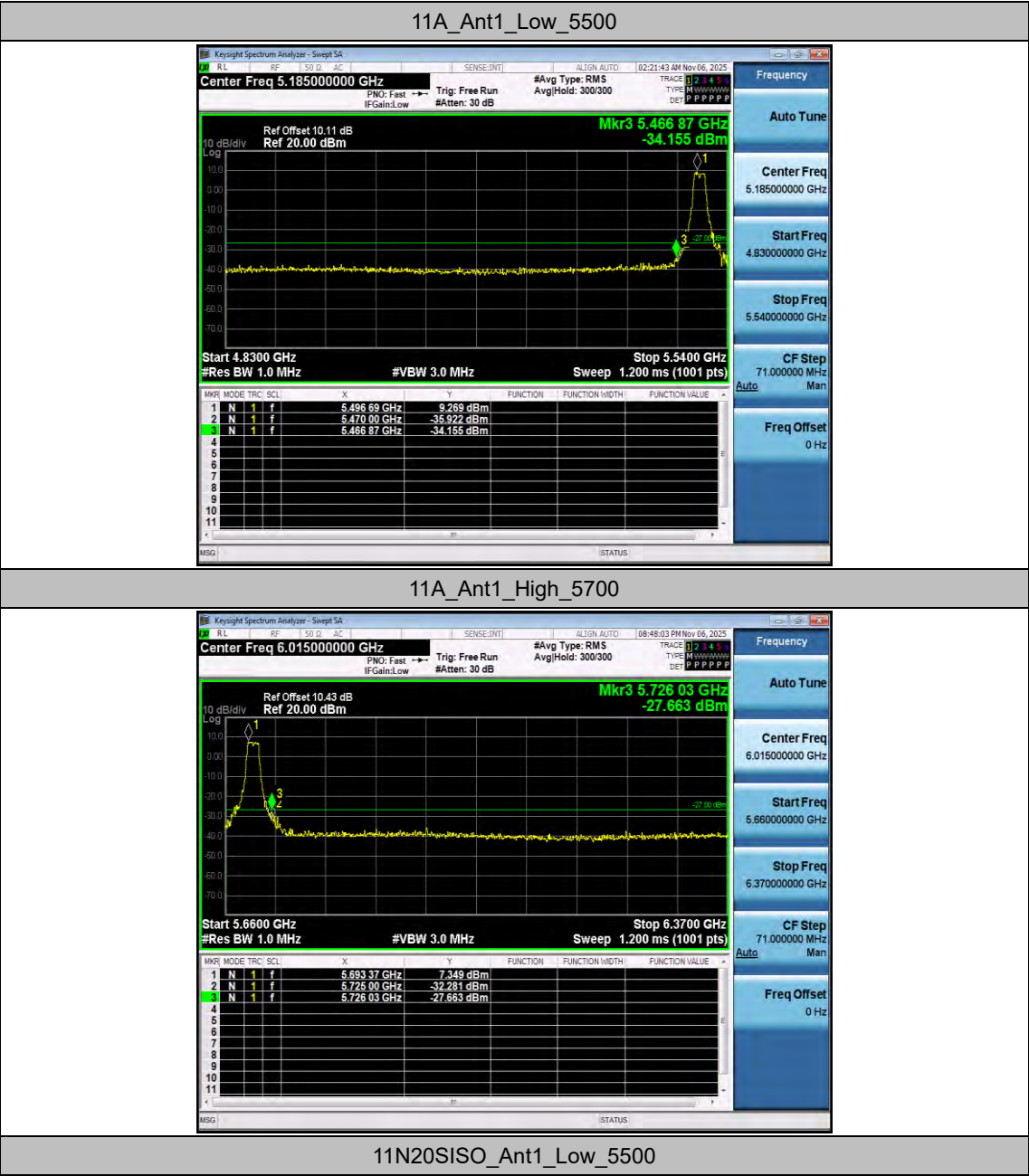


Appendix F.6:Band edge measurements

Test Result B3

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-34.16	≤-27	PASS
		High	5700	-27.66	≤-27	PASS
11N20SISO	Ant1	Low	5500	-32.64	≤-27	PASS
		High	5700	-30.41	≤-27	PASS
11N40SISO	Ant1	Low	5510	-28.49	≤-27	PASS
		High	5670	-31.44	≤-27	PASS
11AC20SISO	Ant1	Low	5500	-32.44	≤-27	PASS
		High	5700	-32.57	≤-27	PASS
11AC40SISO	Ant1	Low	5510	-28.06	≤-27	PASS
		High	5670	-29.93	≤-27	PASS
11AC80SISO	Ant1	Low	5530	-31.11	≤-27	PASS
		High	5610	-37.2	≤-27	PASS
11AX20SISO	Ant1	Low	5500	-33.15	≤-27	PASS
		High	5700	-28.89	≤-27	PASS
11AX40SISO	Ant1	Low	5510	-29.6	≤-27	PASS
		High	5670	-32.74	≤-27	PASS
11AX80SISO	Ant1	Low	5530	-29.69	≤-27	PASS
		High	5610	-36.86	≤-27	PASS

Test GraphsB3

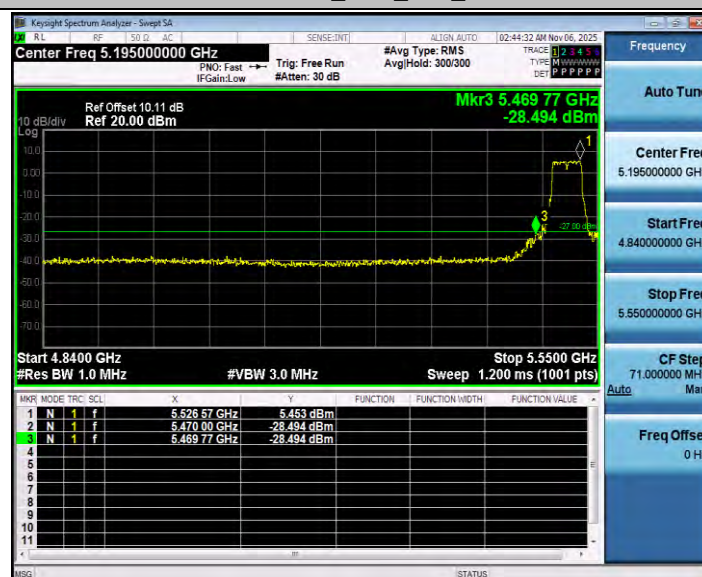




11N20SISO_Ant1_High_5700



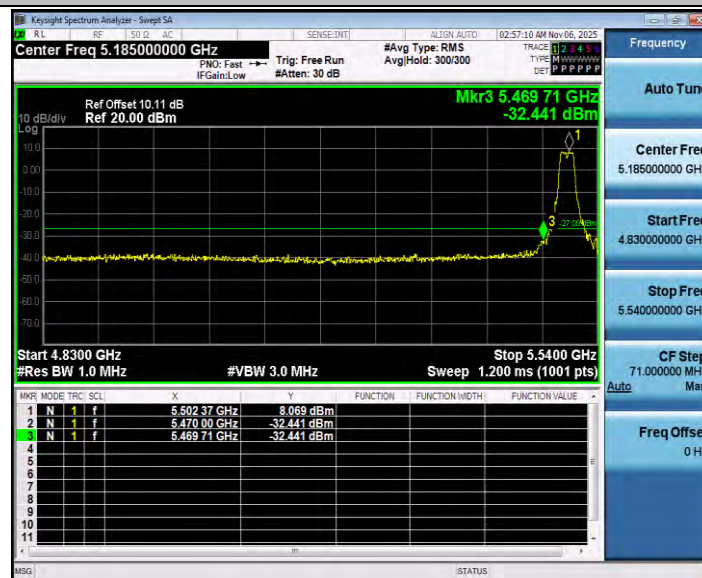
11N40SISO_Ant1_Low_5510



11N40SISO_Ant1_High_5670



11AC20SISO_Ant1_Low_5500



11AC20SISO_Ant1_High_5700



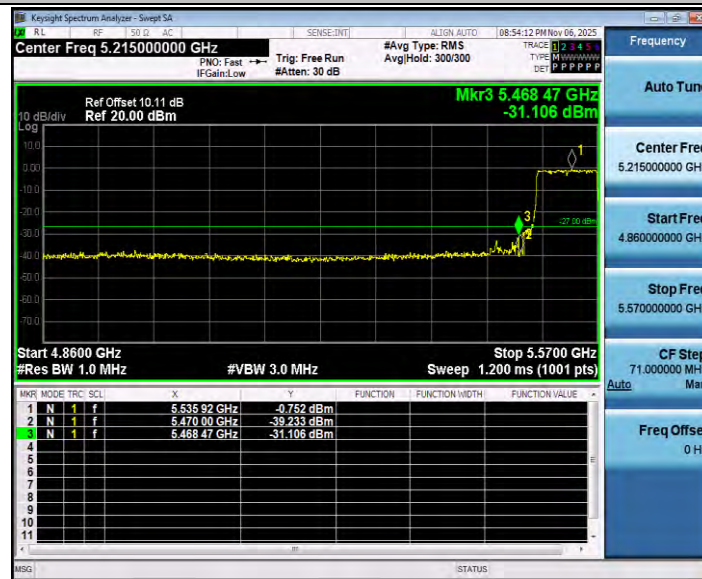
11AC40SISO_Ant1_Low_5510



11AC40SISO_Ant1_High_5670



11AC80SISO_Ant1_Low_5530



11AC80SISO_Ant1_High_5610



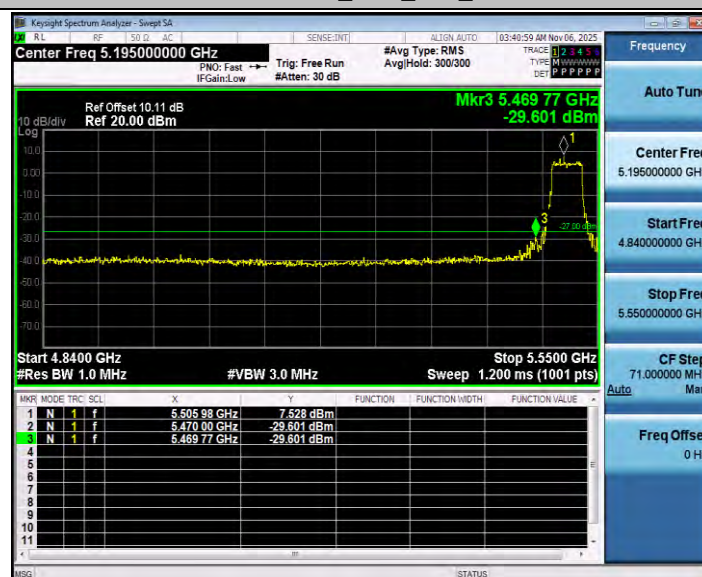
11AX20SISO_Ant1_Low_5500

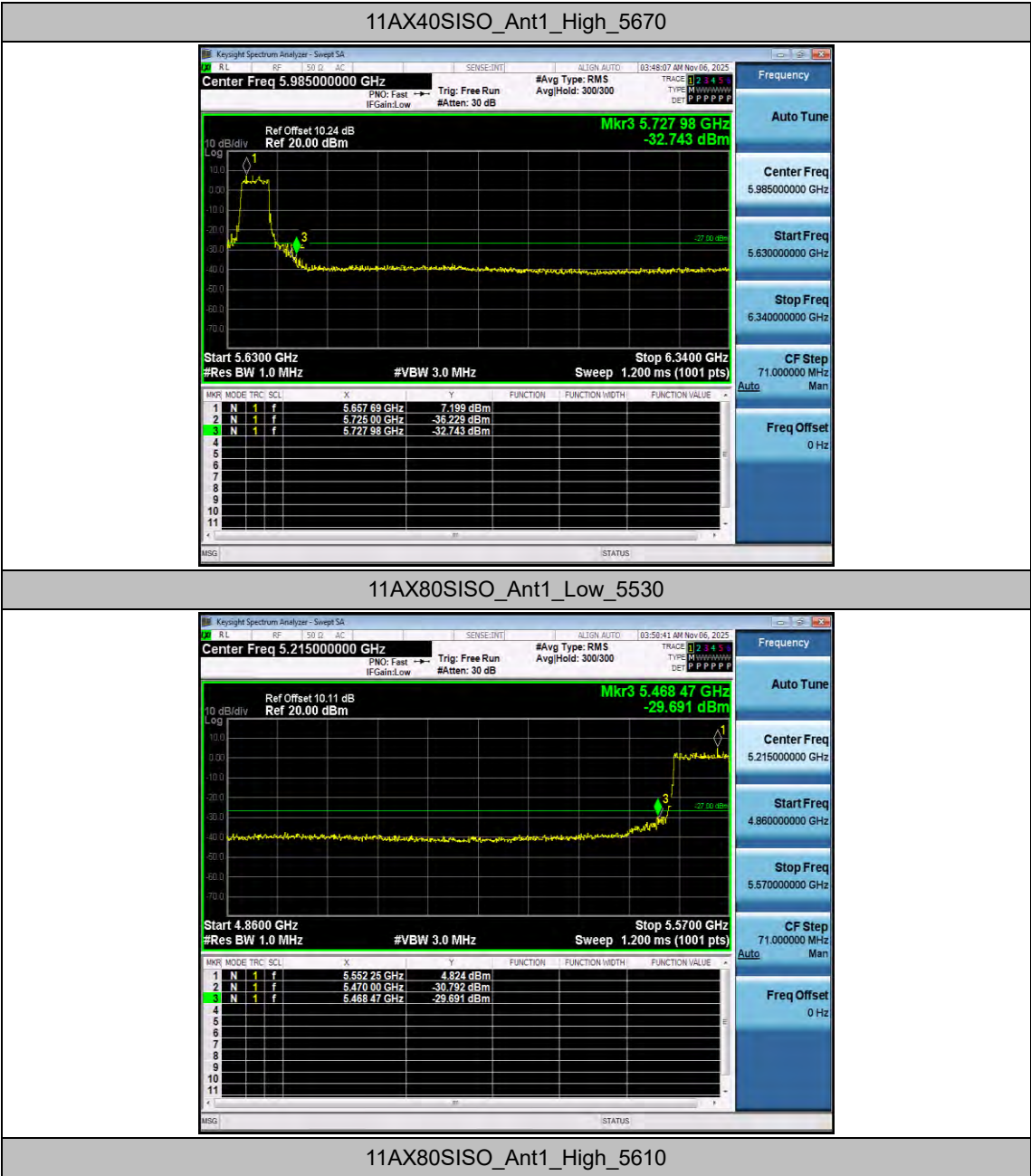


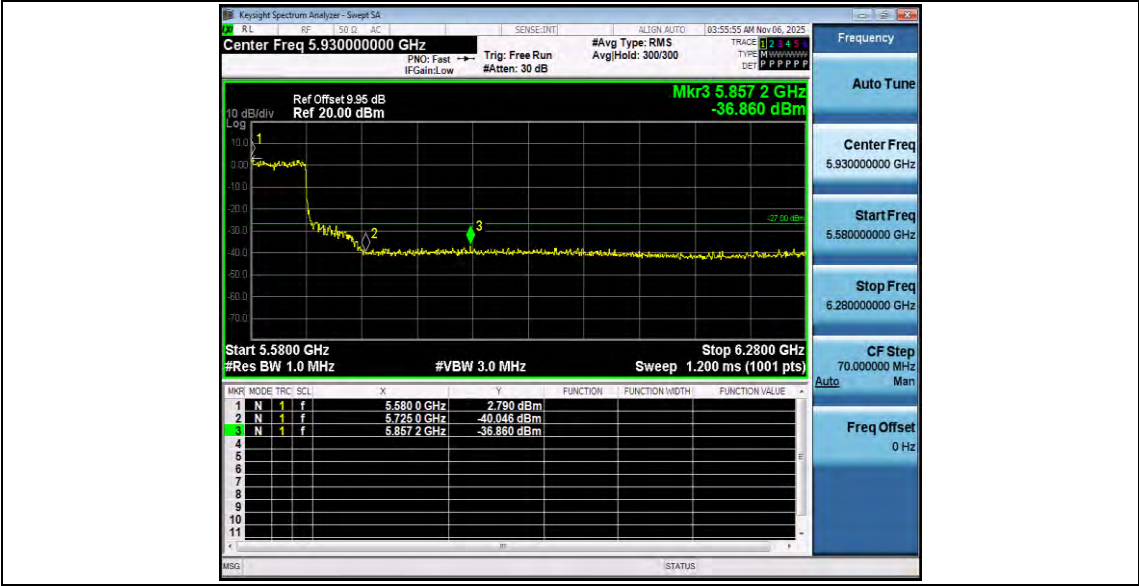
11AX20SISO_Ant1_High_5700



11AX40SISO_Ant1_Low_5510







Appendix F.7:Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	5458.91	-35.97	≤-27	PASS
			5735~27000	26707.96	-37	≤-27	PASS
		5580	30~5460	5403.35	-44.26	≤-27	PASS
			5735~27000	26559.81	-37.12	≤-27	PASS
		5700	30~5460	5450.23	-45.68	≤-27	PASS
			5735~27000	5737.13	-31.66	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5460	-37.04	≤-27	PASS
			5735~27000	24235.55	-36.28	≤-27	PASS
		5580	30~5460	5405.16	-45.42	≤-27	PASS
			5735~27000	26616.52	-37.16	≤-27	PASS
		5700	30~5460	5435.93	-45.42	≤-27	PASS
			5735~27000	5735.71	-29.61	≤-27	PASS
11N40SISO	Ant1	5510	30~5460	5457.65	-33.71	≤-27	PASS
			5735~27000	26062.21	-36.93	≤-27	PASS
		5590	30~5460	1756.92	-45.05	≤-27	PASS
			5735~27000	24233.42	-36.57	≤-27	PASS
		5670	30~5460	5426.15	-46.36	≤-27	PASS
			5735~27000	5738.54	-34.33	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	5451.86	-40.31	≤-27	PASS
			5735~27000	24275.95	-35.78	≤-27	PASS
		5580	30~5460	5388.32	-44.61	≤-27	PASS
			5735~27000	24310.69	-37.13	≤-27	PASS
		5700	30~5460	4788.85	-45.67	≤-27	PASS
			5735~27000	5737.13	-32.53	≤-27	PASS
11AC40SISO	Ant1	5510	30~5460	5457.29	-32.58	≤-27	PASS
			5735~27000	26067.88	-36.96	≤-27	PASS
		5590	30~5460	3053.06	-45.85	≤-27	PASS
			5735~27000	24262.49	-37.45	≤-27	PASS
		5670	30~5460	5409.5	-44.82	≤-27	PASS
			5735~27000	5735.71	-36.49	≤-27	PASS
11AC80SISO	Ant1	5530	30~5460	5441.72	-31.22	≤-27	PASS
			5735~27000	26605.89	-37.22	≤-27	PASS
		5610	30~5460	5444.07	-38.88	≤-27	PASS
			5735~27000	25174.75	-36.7	≤-27	PASS
11AX20SISO	Ant1	5500	30~5460	5459.1	-40.89	≤-27	PASS
			5735~27000	24936.59	-36.71	≤-27	PASS

		5580	30~5460	5349.41	-44.78	≤ -27	PASS
			5735~27000	26045.2	-36.33	≤ -27	PASS
		5700	30~5460	5459.64	-45.74	≤ -27	PASS
			5735~27000	5735	-30.63	≤ -27	PASS
11AX40SISO	Ant1	5510	30~5460	5452.22	-34.8	≤ -27	PASS
			5735~27000	24270.99	-36.83	≤ -27	PASS
		5590	30~5460	2600.56	-41.53	≤ -27	PASS
			5735~27000	26876.66	-36.88	≤ -27	PASS
		5670	30~5460	1748.96	-42.53	≤ -27	PASS
			5735~27000	25485.93	-37.14	≤ -27	PASS
11AX80SISO	Ant1	5530	30~5460	5459.64	-33.04	≤ -27	PASS
			5735~27000	24288	-36.66	≤ -27	PASS
		5610	30~5460	5459.82	-44.76	≤ -27	PASS
			5735~27000	23551.53	-37.05	≤ -27	PASS

Test Graphs

11A_Ant1_5500_30~5460



11A_Ant1_5500_5735~27000



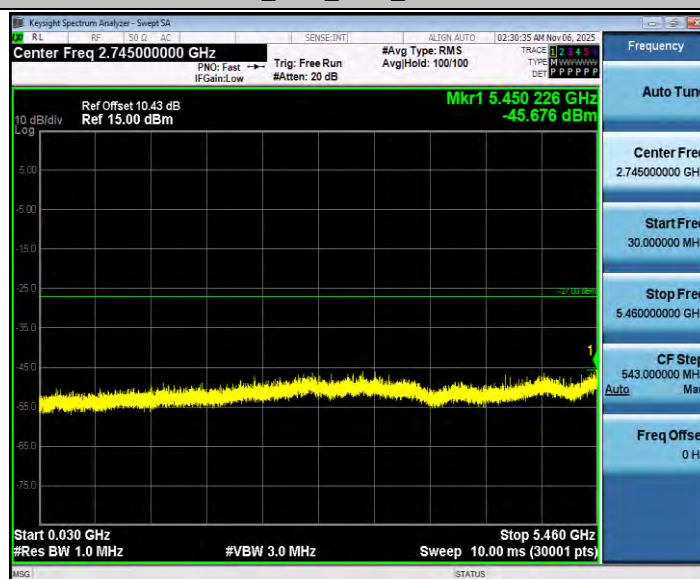
11A_Ant1_5580_30~5460



11A_Ant1_5580_5735~27000



11A_Ant1_5700_30~5460



11A_Ant1_5700_5735~27000



11N20SISO_Ant1_5500_30~5460



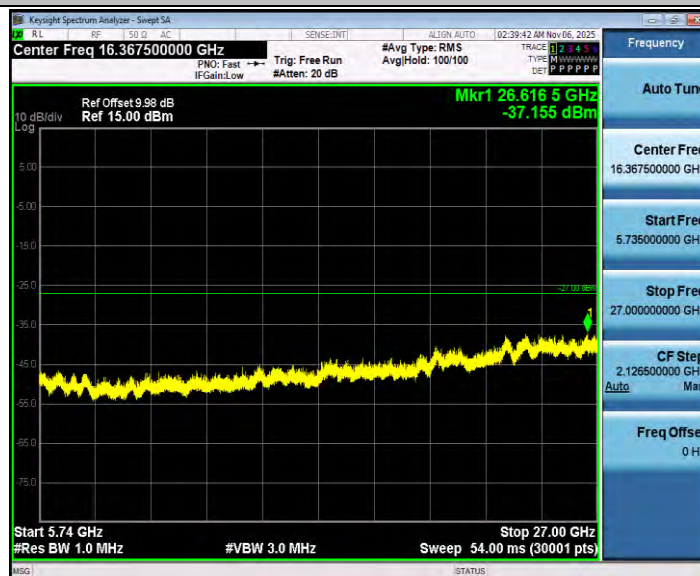
11N20SISO_Ant1_5500_5735~27000



11N20SISO_Ant1_5580_30~5460



11N20SISO_Ant1_5580_5735~27000



11N20SISO_Ant1_5700_30~5460



11N20SISO_Ant1_5700_5735~27000



11N40SISO_Ant1_5510_30~5460



11N40SISO_Ant1_5510_5735~27000



11N40SISO_Ant1_5590_30~5460



11N40SISO_Ant1_5590_5735~27000



11N40SISO_Ant1_5670_30~5460



11N40SISO_Ant1_5670_5735~27000



11AC20SISO_Ant1_5500_30~5460



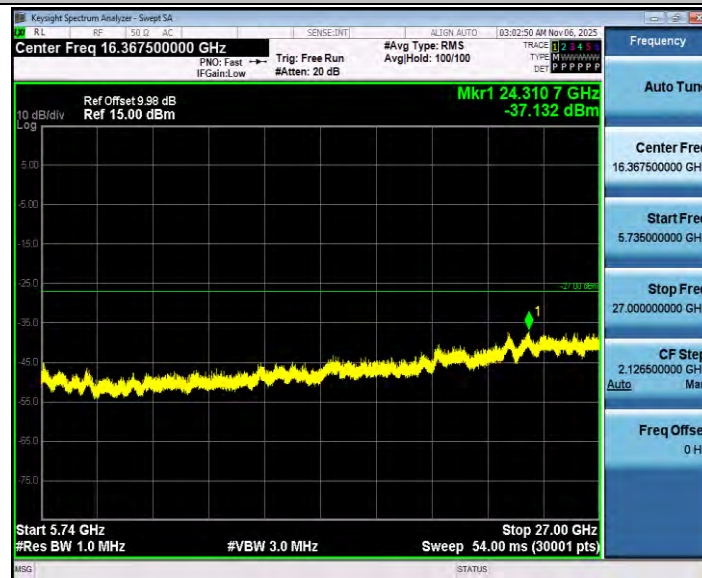
11AC20SISO_Ant1_5500_5735~27000



11AC20SISO_Ant1_5580_30~5460



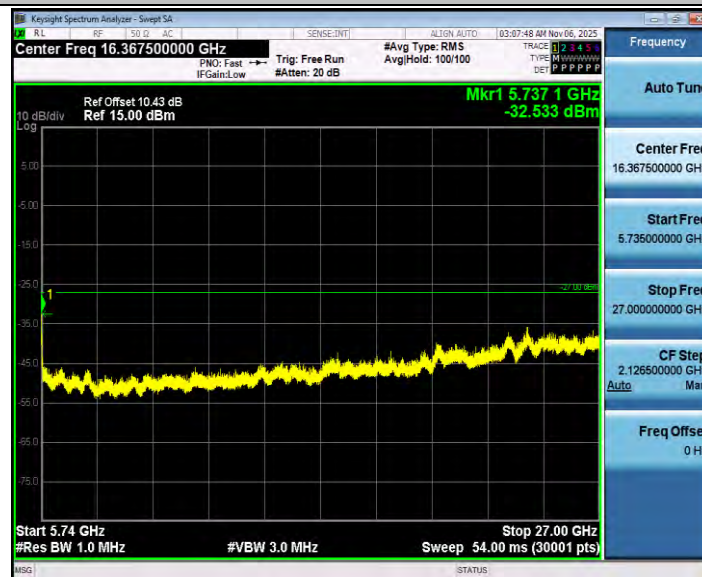
11AC20SISO_Ant1_5580_5735~27000



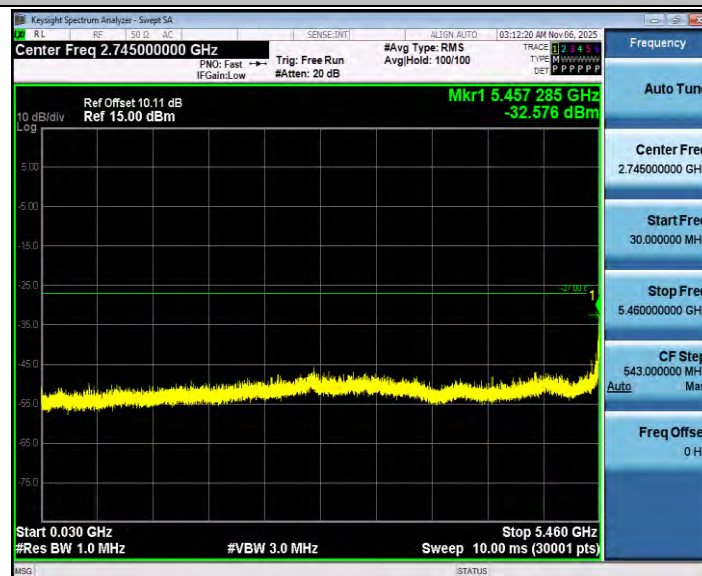
11AC20SISO_Ant1_5700_30~5460



11AC20SISO_Ant1_5700_5735~27000



11AC40SISO_Ant1_5510_30~5460



11AC40SISO_Ant1_5510_5735~27000



11AC40SISO_Ant1_5590_30~5460



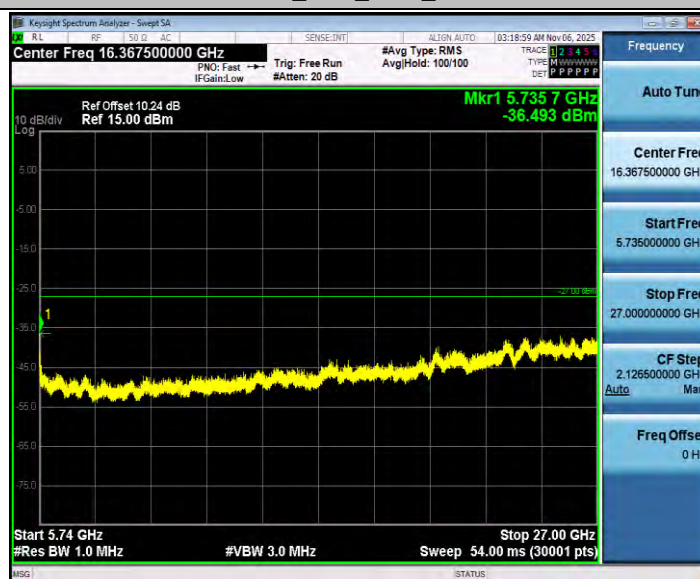
11AC40SISO_Ant1_5590_5735~27000



11AC40SISO_Ant1_5670_30~5460



11AC40SISO_Ant1_5670_5735~27000



11AC80SISO_Ant1_5530_30~5460



11AC80SISO_Ant1_5530_5735~27000



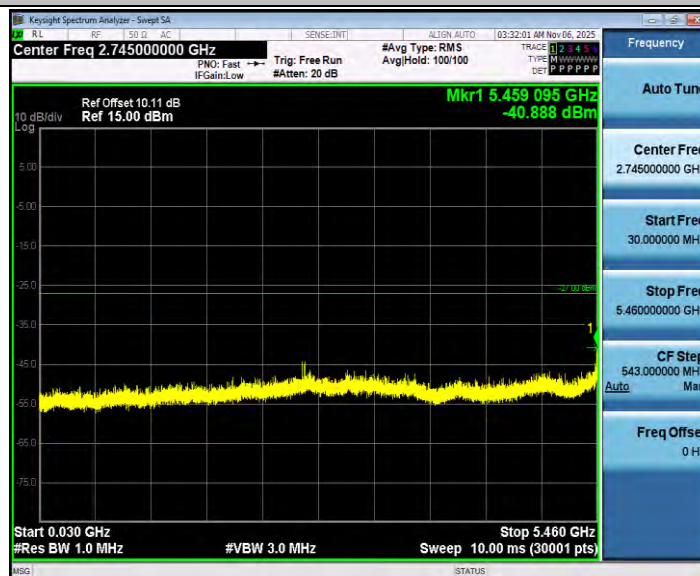
11AC80SISO_Ant1_5610_30~5460



11AC80SISO_Ant1_5610_5735~27000



11AX20SISO_Ant1_5500_30~5460



11AX20SISO_Ant1_5500_5735~27000



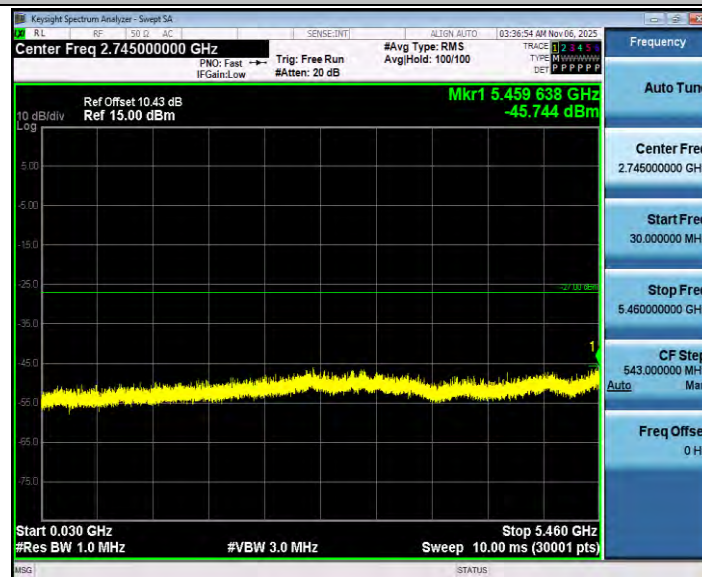
11AX20SISO_Ant1_5580_30~5460



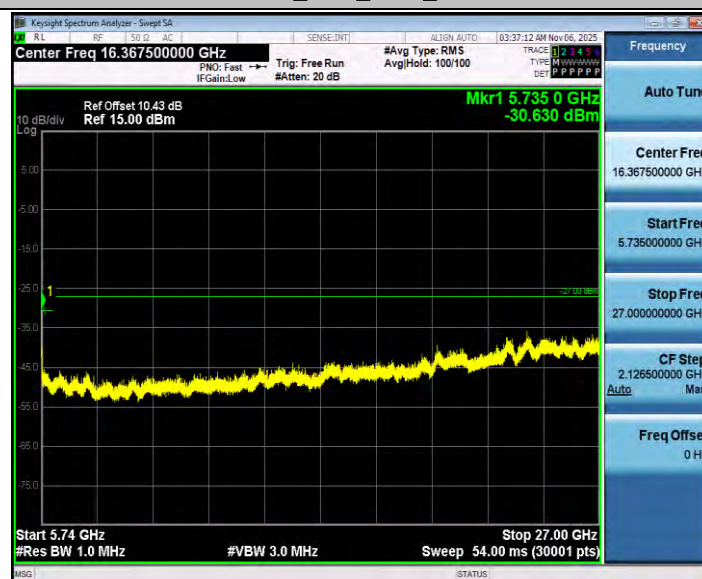
11AX20SISO_Ant1_5580_5735~27000



11AX20SISO_Ant1_5700_30~5460



11AX20SISO_Ant1_5700_5735~27000



11AX40SISO_Ant1_5510_30~5460



11AX40SISO_Ant1_5510_5735~27000



11AX40SISO_Ant1_5590_30~5460



11AX40SISO_Ant1_5590_5735~27000



11AX40SISO_Ant1_5670_30~5460



11AX40SISO_Ant1_5670_5735~27000



11AX80SISO_Ant1_5530_30~5460



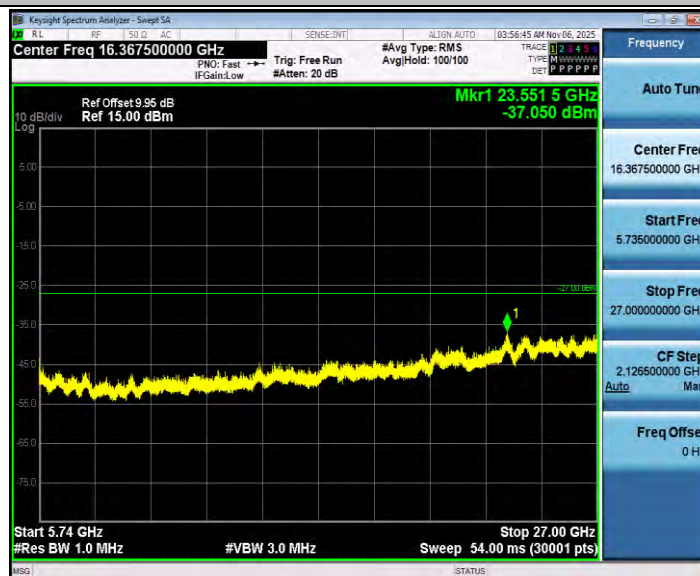
11AX80SISO_Ant1_5530_5735~27000



11AX80SISO_Ant1_5610_30~5460



11AX80SISO_Ant1_5610_5735~27000



Appendix F.8:Emissions in Restricted Bands

Test Result

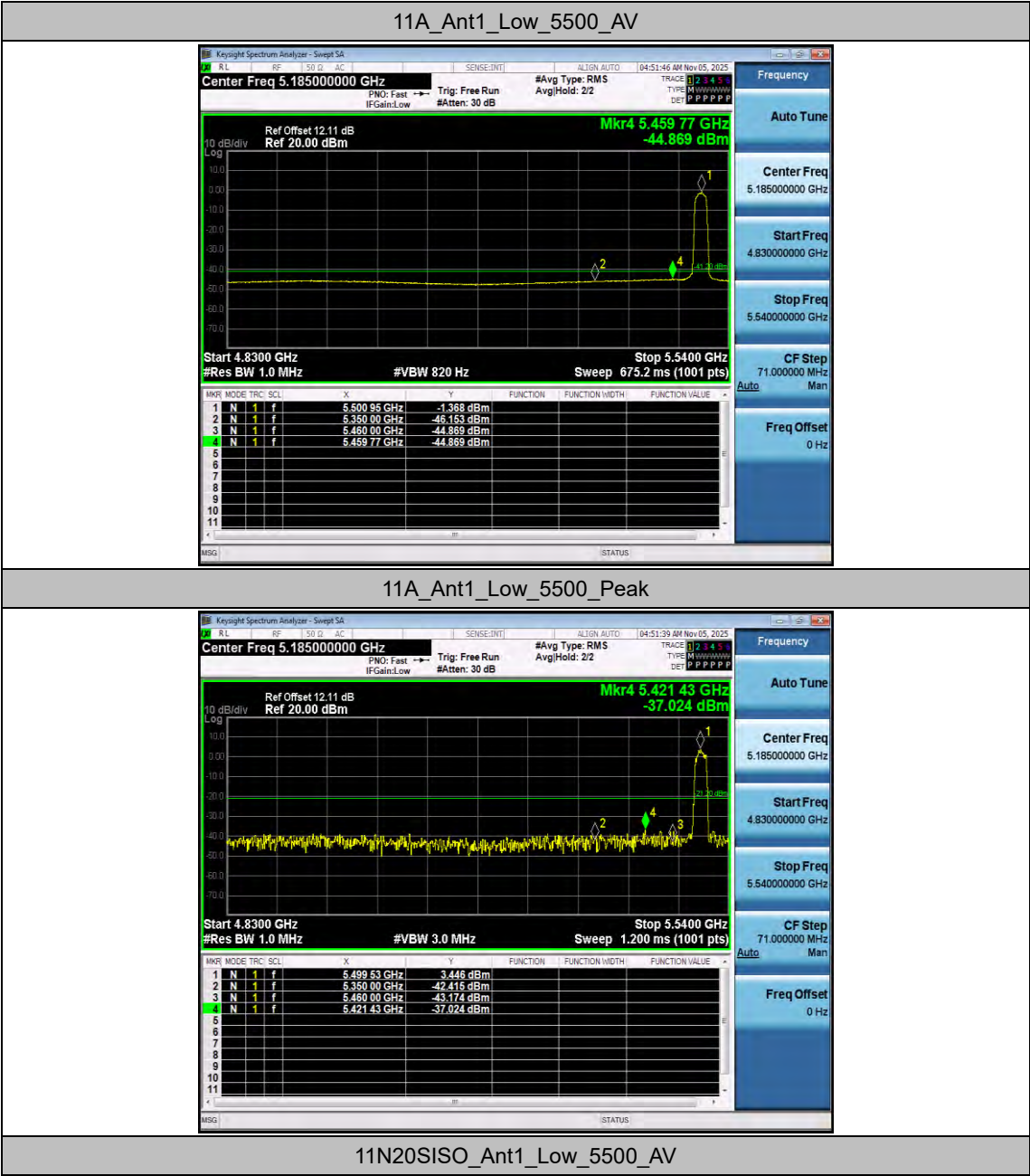
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5500	AV	5350.000	-46.15	≤-41.20	49.05	≤54	PASS
				AV	5459.770	-44.87	≤-41.20	50.33	≤54	PASS
				AV	5460.000	-44.87	≤-41.20	50.33	≤54	PASS
				Peak	5350.000	-42.42	≤-21.20	52.78	≤74	PASS
				Peak	5421.430	-37.02	≤-21.20	58.18	≤74	PASS
				Peak	5460.000	-43.17	≤-21.20	52.03	≤74	PASS
11N20SIS O	Ant1	Low	5500	AV	5350.000	-46.09	≤-41.20	49.11	≤54	PASS
				AV	5451.250	-45.11	≤-41.20	50.09	≤54	PASS
				AV	5460.000	-45.4	≤-41.20	49.80	≤54	PASS
				Peak	5350.000	-44.72	≤-21.20	50.48	≤74	PASS
				Peak	5425.690	-37.55	≤-21.20	57.65	≤74	PASS
				Peak	5460.000	-40.85	≤-21.20	54.35	≤74	PASS
11N40SIS O	Ant1	Low	5510	AV	5350.000	-46.13	≤-41.20	49.07	≤54	PASS
				AV	5459.830	-44.74	≤-41.20	50.46	≤54	PASS
				AV	5460.000	-44.74	≤-41.20	50.46	≤54	PASS
				Peak	5350.000	-45.19	≤-21.20	50.01	≤74	PASS
				Peak	5421.490	-38.03	≤-21.20	57.17	≤74	PASS
				Peak	5460.000	-38.6	≤-21.20	56.60	≤74	PASS
11AC20SI SO	Ant1	Low	5500	AV	5350.000	-46.15	≤-41.20	49.05	≤54	PASS
				AV	5453.380	-45.07	≤-41.20	50.13	≤54	PASS
				AV	5460.000	-45.15	≤-41.20	50.05	≤54	PASS
				Peak	5350.000	-44.69	≤-21.20	50.51	≤74	PASS
				Peak	5386.640	-37.05	≤-21.20	58.15	≤74	PASS
				Peak	5460.000	-41.46	≤-21.20	53.74	≤74	PASS
11AC40SI SO	Ant1	Low	5510	AV	5350.000	-46	≤-41.20	49.20	≤54	PASS
				AV	5430.010	-44.52	≤-41.20	50.68	≤54	PASS
				AV	5460.000	-44.83	≤-41.20	50.37	≤54	PASS
				Peak	5350.000	-40.87	≤-21.20	54.33	≤74	PASS
				Peak	5422.910	-38.23	≤-21.20	56.97	≤74	PASS
				Peak	5460.000	-43.88	≤-21.20	51.32	≤74	PASS
11AC80SI SO	Ant1	Low	5530	AV	5350.000	-45.79	≤-41.20	49.41	≤54	PASS
				AV	5459.950	-41.54	≤-41.20	53.66	≤54	PASS
				AV	5460.000	-41.54	≤-41.20	53.66	≤54	PASS
				Peak	5350.000	-42.29	≤-21.20	52.91	≤74	PASS
				Peak	5454.270	-36.23	≤-21.20	58.97	≤74	PASS
				Peak	5460.000	-40.77	≤-21.20	54.43	≤74	PASS

11AX20SI SO	Ant1	Low	5500	AV	5350.000	-46.28	≤ -41.20	48.92	≤ 54	PASS
				AV	5449.120	-44.99	≤ -41.20	50.21	≤ 54	PASS
				AV	5460.000	-45.05	≤ -41.20	50.15	≤ 54	PASS
				Peak	5350.000	-40.24	≤ -21.20	54.96	≤ 74	PASS
				Peak	5400.130	-37.9	≤ -21.20	57.30	≤ 74	PASS
				Peak	5460.000	-43.79	≤ -21.20	51.41	≤ 74	PASS
11AX40SI SO	Ant1	Low	5510	AV	5350.000	-45.82	≤ -41.20	49.38	≤ 54	PASS
				AV	5458.410	-44.18	≤ -41.20	51.02	≤ 54	PASS
				AV	5460.000	-44.25	≤ -41.20	50.95	≤ 54	PASS
				Peak	5350.000	-42.82	≤ -21.20	52.38	≤ 74	PASS
				Peak	5399.480	-38.88	≤ -21.20	56.32	≤ 74	PASS
				Peak	5460.000	-39.09	≤ -21.20	56.11	≤ 74	PASS
11AX80SI SO	Ant1	Low	5530	AV	5350.000	-45.76	≤ -41.20	49.44	≤ 54	PASS
				AV	5454.270	-41.71	≤ -41.20	53.49	≤ 54	PASS
				AV	5460.000	-41.88	≤ -41.20	53.32	≤ 54	PASS
				Peak	5350.000	-44.05	≤ -21.20	51.15	≤ 74	PASS
				Peak	5451.430	-34.75	≤ -21.20	60.45	≤ 74	PASS
				Peak	5460.000	-39.63	≤ -21.20	55.57	≤ 74	PASS

Note:

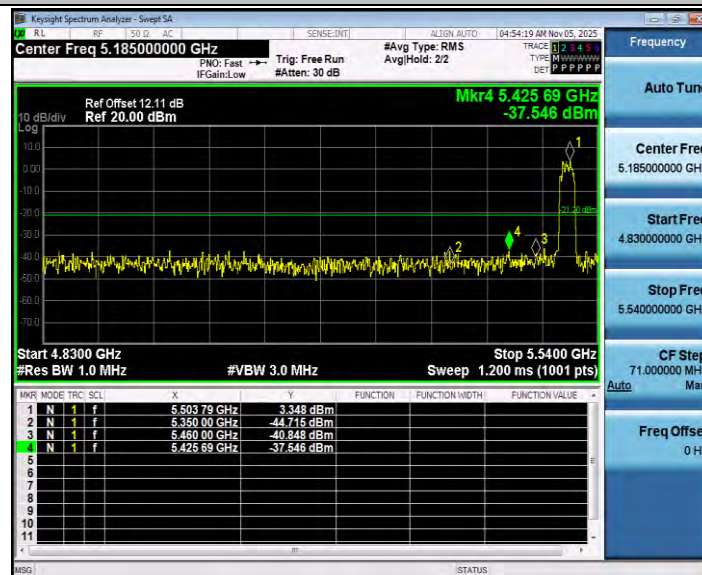
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs





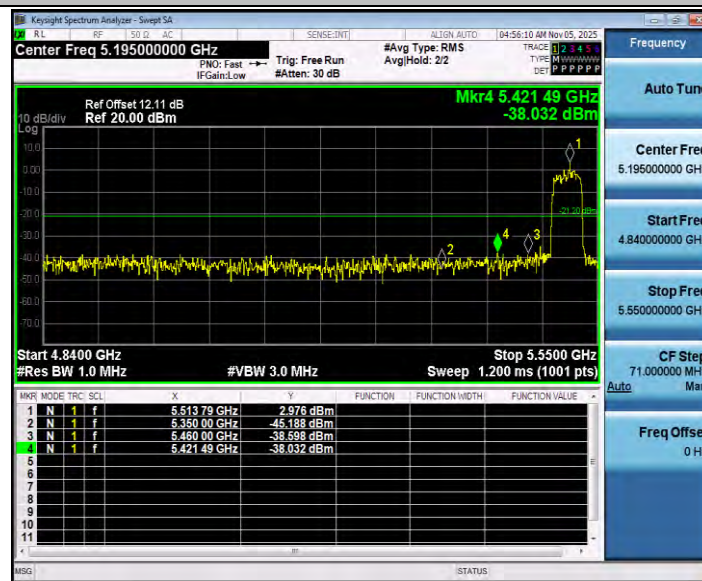
11N20SISO_Ant1_Low_5500_Peak



11N40SISO_Ant1_Low_5510_AV



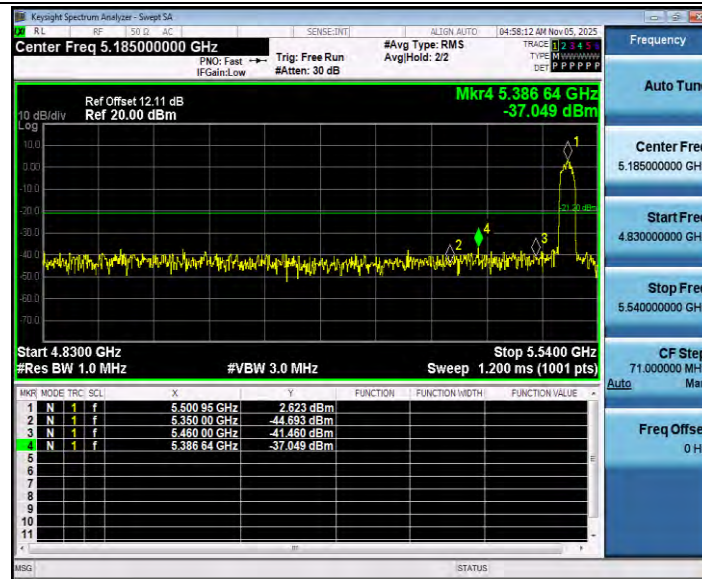
11N40SISO_Ant1_Low_5510_Peak



11AC20SISO_Ant1_Low_5500_AV



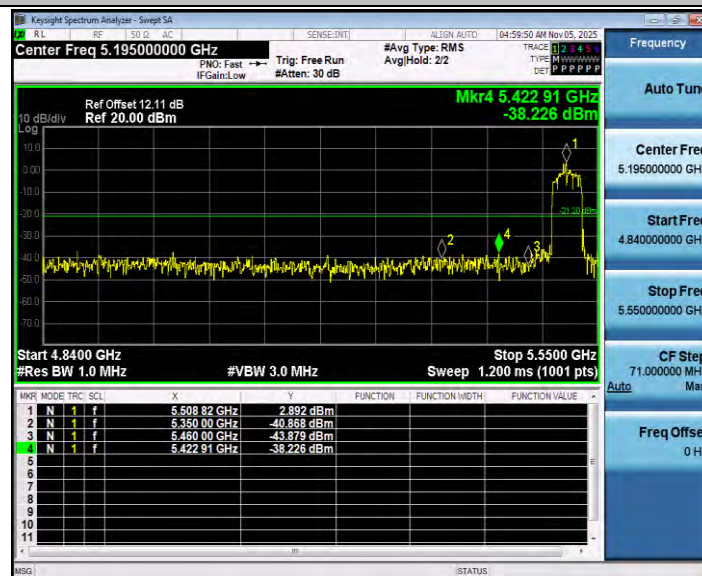
11AC20SISO_Ant1_Low_5500_Peak



11AC40SISO_Ant1_Low_5510_AV



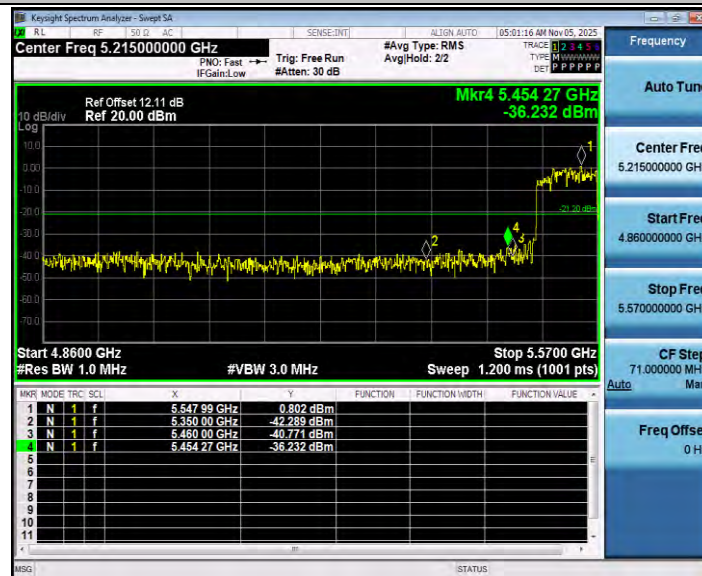
11AC40SISO_Ant1_Low_5510_Peak



11AC80SISO_Ant1_Low_5530_AV



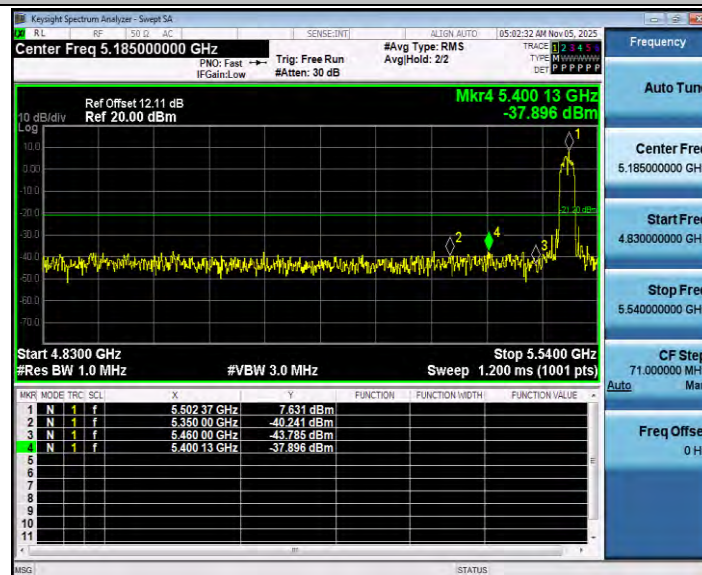
11AC80SISO_Ant1_Low_5530_Peak



11AX20SISO_Ant1_Low_5500_AV



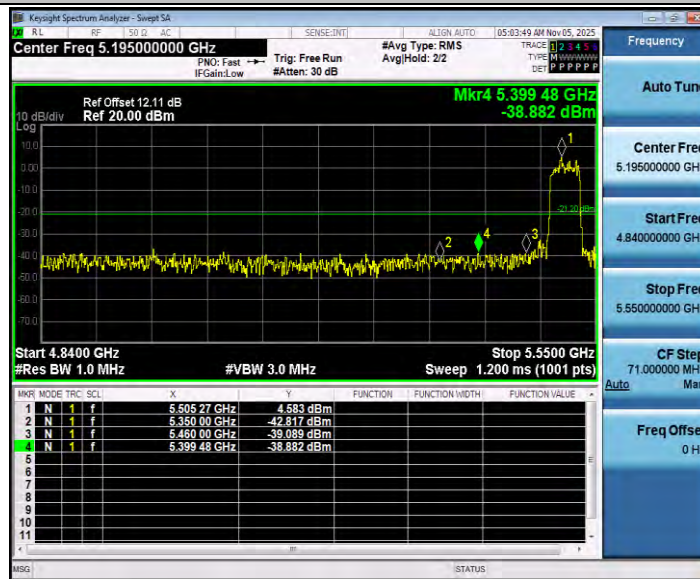
11AX20SISO_Ant1_Low_5500_Peak



11AX40SISO_Ant1_Low_5510_AV



11AX40SISO_Ant1_Low_5510_Peak



11AX80SISO_Ant1_Low_5530_AV



11AX80SISO_Ant1_Low_5530_Peak

