

Appendix F.4: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	9.04	97.20	0.12	9.16	≤23.98	PASS
		5600	8.23	97.20	0.12	8.35	≤23.98	PASS
		5700	6.75	97.22	0.12	6.87	≤23.98	PASS
11N20SI SO	Ant1	5500	9.46	96.30	0.16	9.62	≤23.98	PASS
		5600	8.48	96.30	0.16	8.64	≤23.98	PASS
		5700	6.83	97.01	0.13	6.96	≤23.98	PASS
11N40SI SO	Ant1	5510	9.28	92.86	0.32	9.60	≤23.98	PASS
		5590	8.32	94.20	0.26	8.58	≤23.98	PASS
		5670	7.59	94.20	0.26	7.85	≤23.98	PASS
11AC20S ISO	Ant1	5500	9.39	97.04	0.13	9.52	≤23.98	PASS
		5600	8.50	97.04	0.13	8.63	≤23.98	PASS
		5700	6.95	96.32	0.16	7.11	≤23.98	PASS
11AC40S ISO	Ant1	5510	9.30	94.20	0.26	9.56	≤23.98	PASS
		5590	8.40	94.20	0.26	8.66	≤23.98	PASS
		5670	7.65	94.20	0.26	7.91	≤23.98	PASS
11AC80S ISO	Ant1	5530	8.63	86.49	0.63	9.26	≤23.98	PASS
		5610	7.28	88.89	0.51	7.79	≤23.98	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.

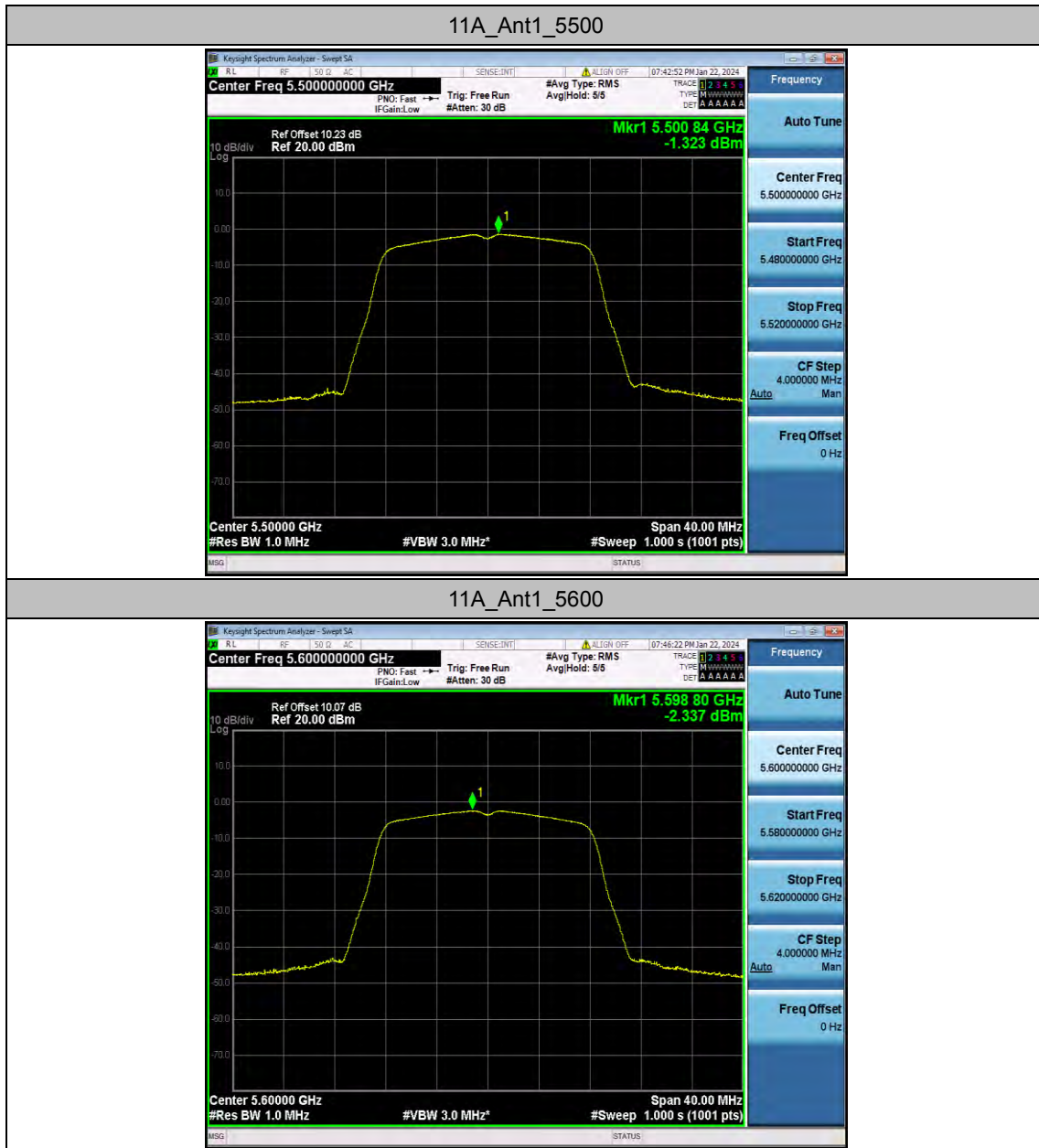
Appendix F.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	-1.32	≤11.00	PASS
		5600	-2.34	≤11.00	PASS
		5700	-3.83	≤11.00	PASS
11N20SISO	Ant1	5500	-1.34	≤11.00	PASS
		5600	-2.24	≤11.00	PASS
		5700	-3.95	≤11.00	PASS
11N40SISO	Ant1	5510	-3.69	≤11.00	PASS
		5590	-4.77	≤11.00	PASS
		5670	-5.45	≤11.00	PASS
11AC20SISO	Ant1	5500	-1.45	≤11.00	PASS
		5600	-2.28	≤11.00	PASS
		5700	-3.92	≤11.00	PASS
11AC40SISO	Ant1	5510	-3.74	≤11.00	PASS
		5590	-4.70	≤11.00	PASS
		5670	-5.45	≤11.00	PASS
11AC80SISO	Ant1	5530	-6.39	≤11.00	PASS
		5610	-8.28	≤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



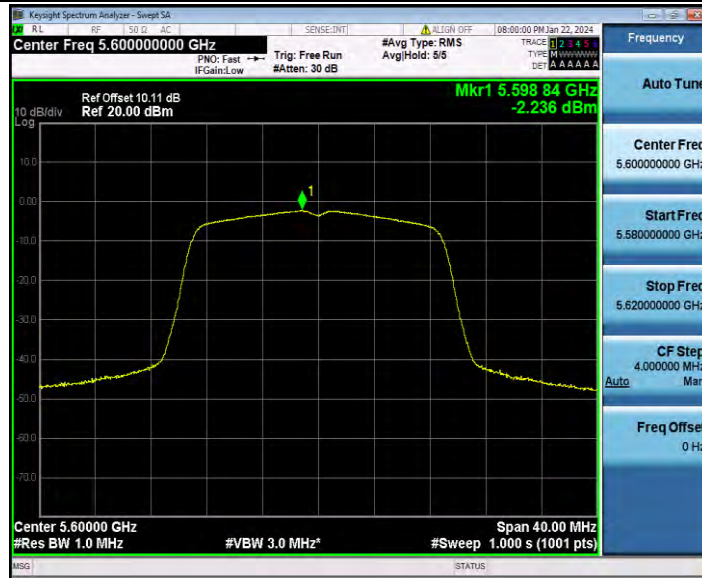
11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



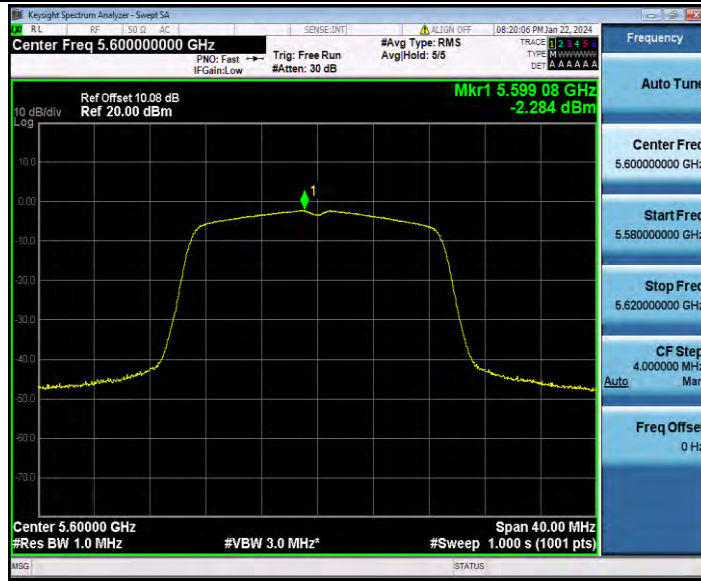
11N40SISO_Ant1_5670



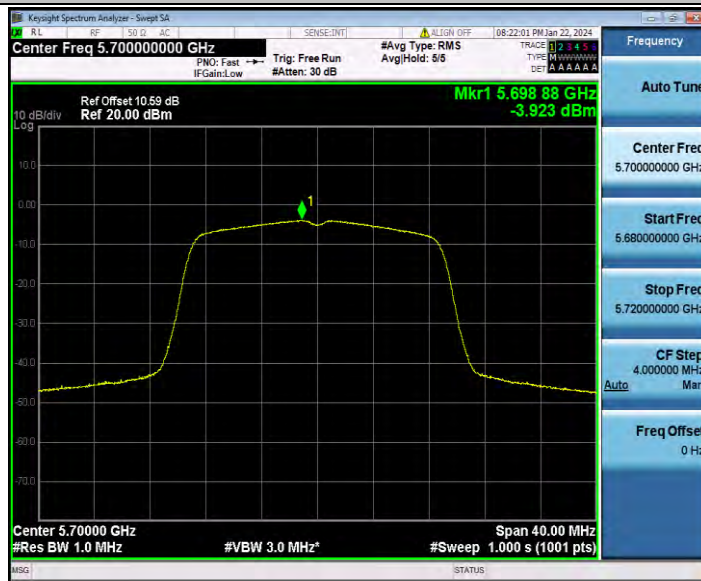
11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5600



11AC20SISO_Ant1_5700



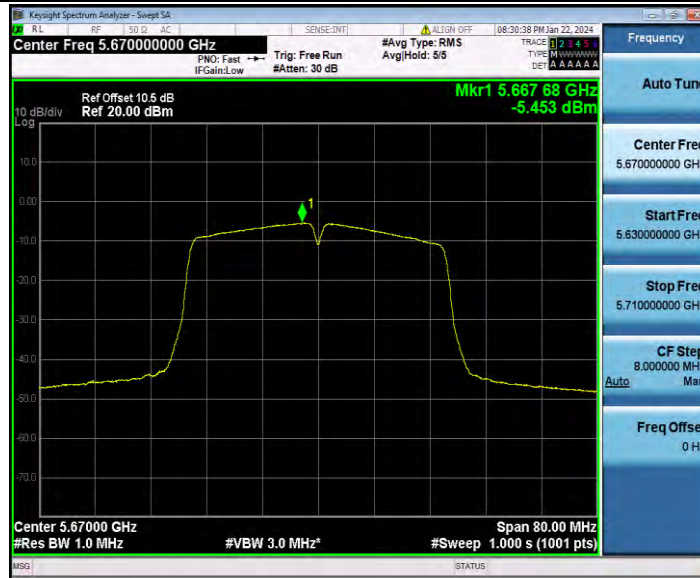
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



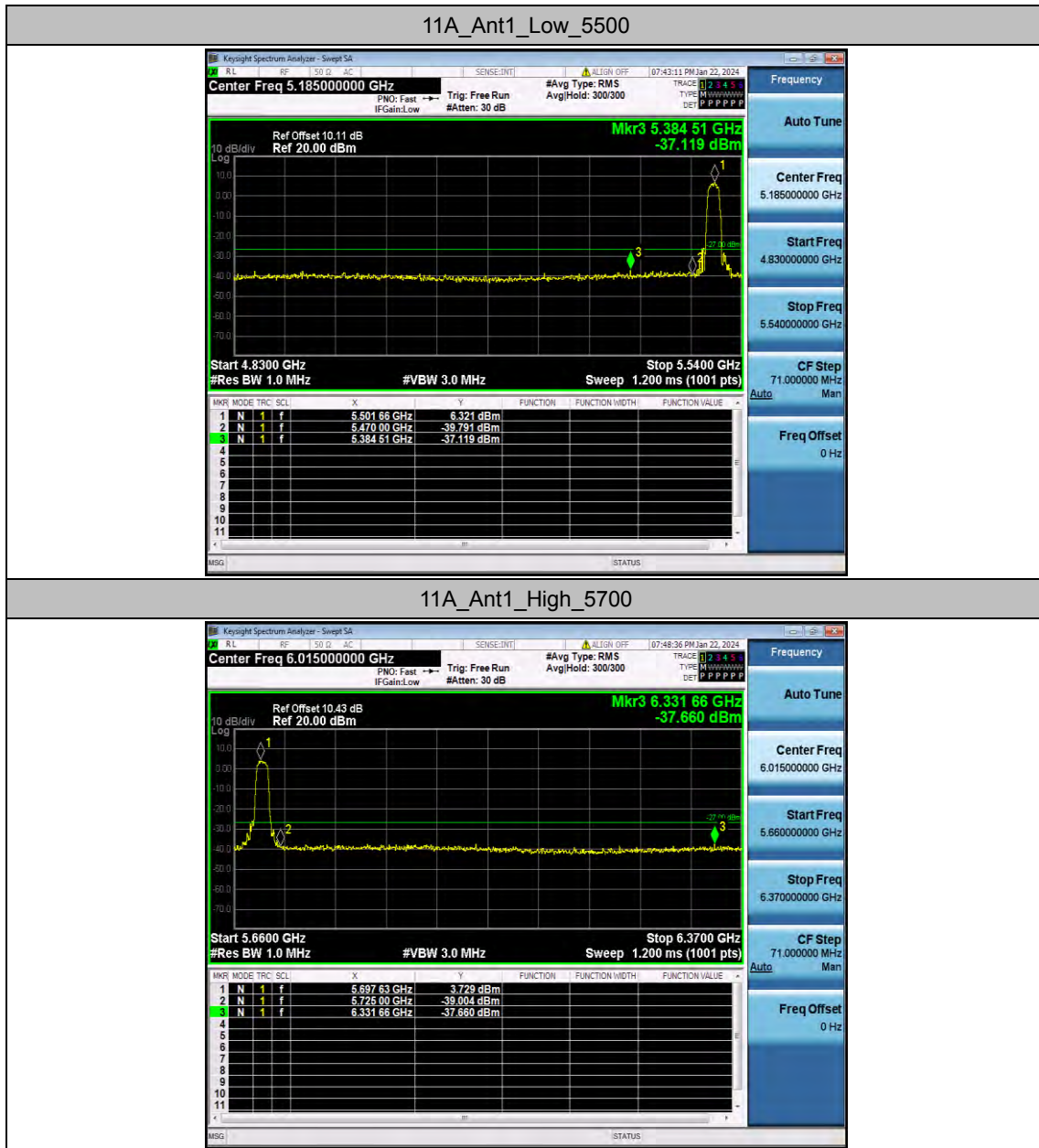


Appendix F.6: Band edge measurements

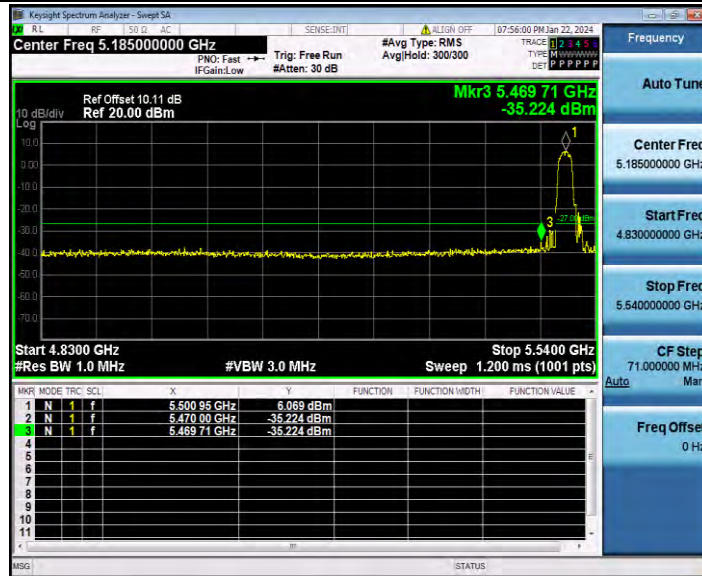
Test Result B3

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-37.12	≤-27	PASS
		High	5700	-37.66	≤-27	PASS
11N20SISO	Ant1	Low	5500	-35.22	≤-27	PASS
		High	5700	-35.97	≤-27	PASS
11N40SISO	Ant1	Low	5510	-32.01	≤-27	PASS
		High	5670	-36.58	≤-27	PASS
11AC20SISO	Ant1	Low	5500	-36.67	≤-27	PASS
		High	5700	-37.2	≤-27	PASS
11AC40SISO	Ant1	Low	5510	-37.55	≤-27	PASS
		High	5670	-37.39	≤-27	PASS
11AC80SISO	Ant1	Low	5530	-33.72	≤-27	PASS
		High	5610	-37.74	≤-27	PASS

Test Graphs B3



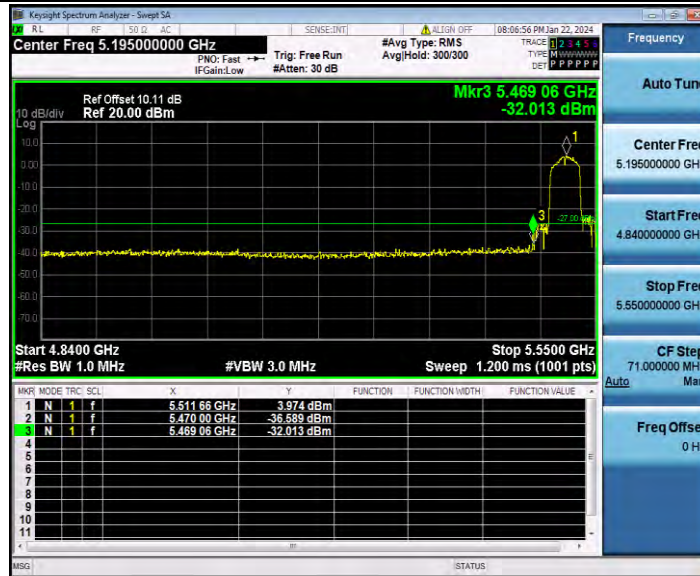
11N20SISO_Ant1_Low_5500



11N20SISO_Ant1_High_5700

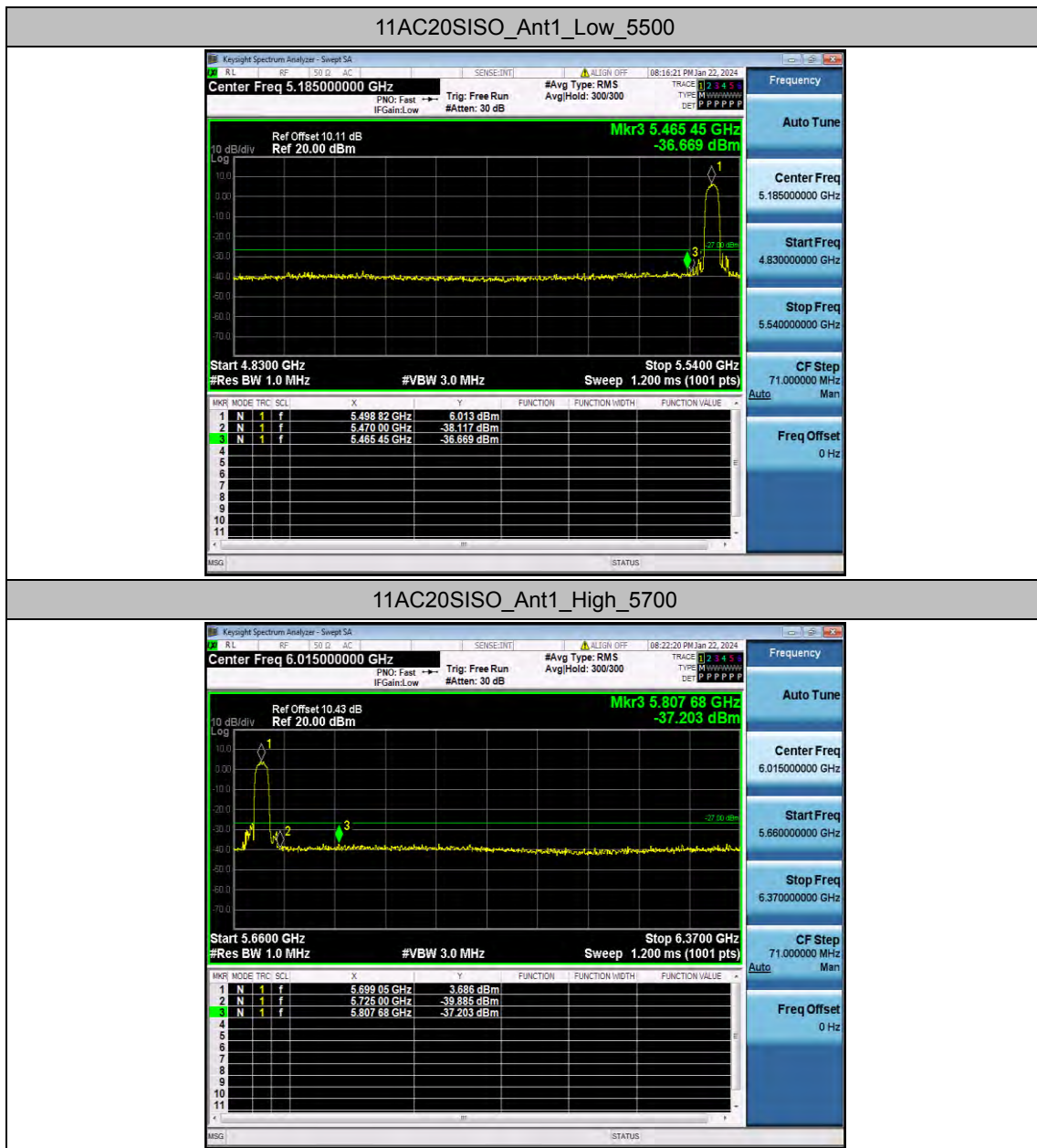


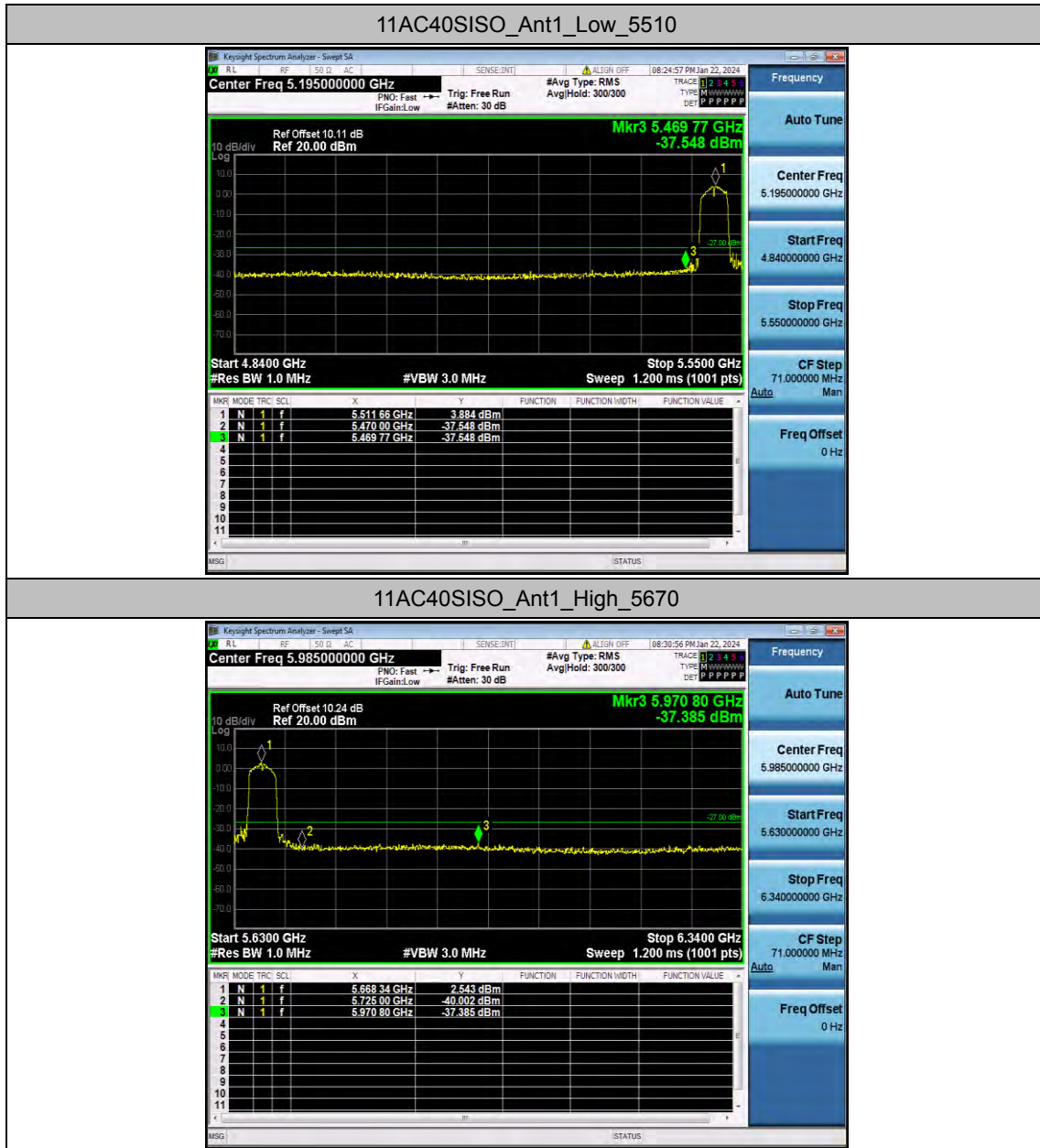
11N40SISO_Ant1_Low_5510



11N40SISO_Ant1_High_5670







11AC80SISO_Ant1_Low_5530



11AC80SISO_Ant1_High_5610

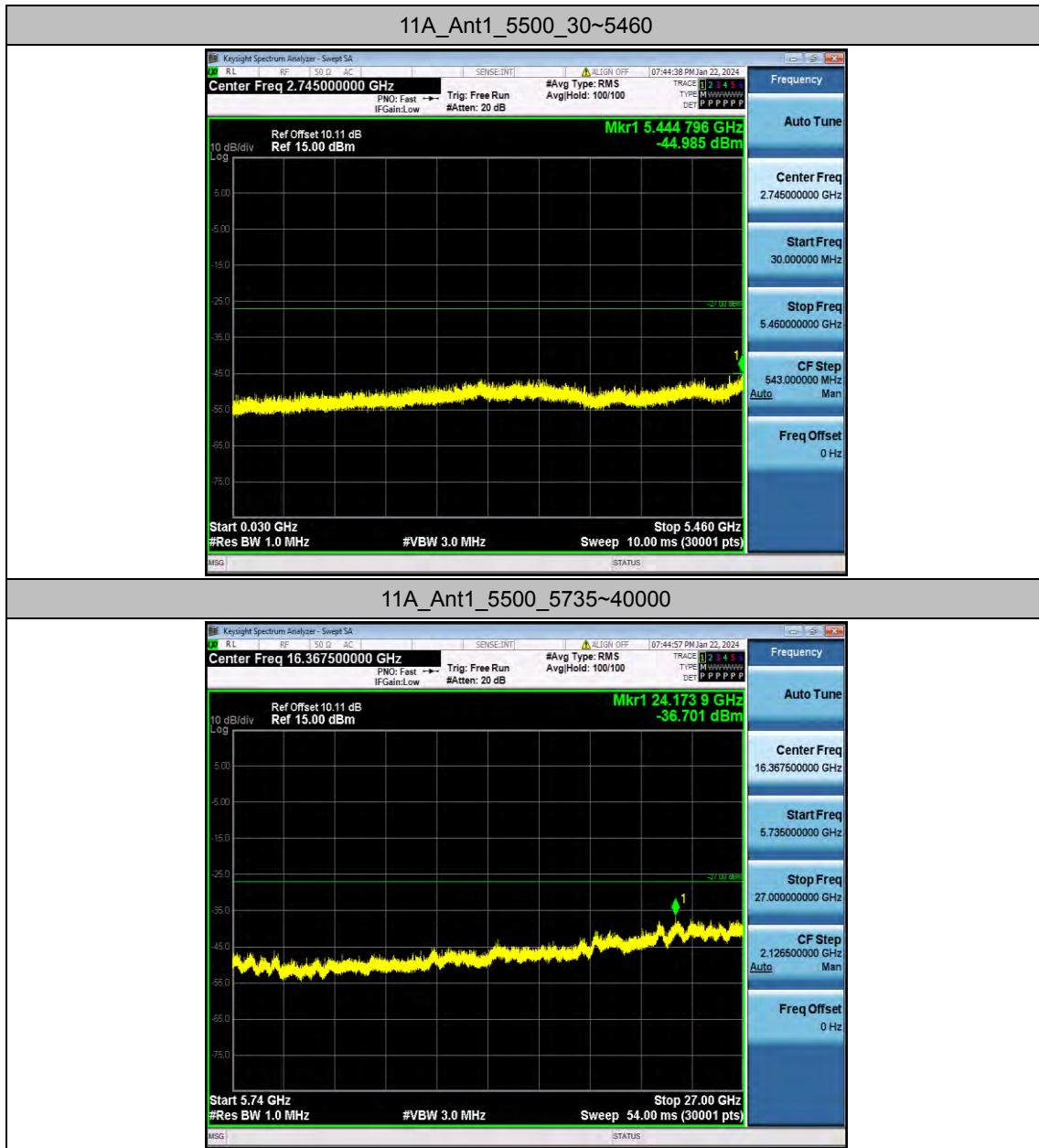


Appendix F.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	5444.8	-44.99	≤-27	PASS
			5735~40000	24173.88	-36.7	≤-27	PASS
		5600	30~5460	5449.68	-46.11	≤-27	PASS
			5735~40000	26873.83	-37.01	≤-27	PASS
		5700	30~5460	5448.42	-45.75	≤-27	PASS
			5735~40000	26500.98	-36.77	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5446.97	-44.67	≤-27	PASS
			5735~40000	26790.89	-37.19	≤-27	PASS
		5600	30~5460	5009.85	-46.4	≤-27	PASS
			5735~40000	24848.69	-37.1	≤-27	PASS
		5700	30~5460	4947.95	-45.92	≤-27	PASS
			5735~40000	26924.86	-36.09	≤-27	PASS
11N40SISO	Ant1	5510	30~5460	5444.43	-44.19	≤-27	PASS
			5735~40000	26897.22	-36.81	≤-27	PASS
		5590	30~5460	4905.96	-45.58	≤-27	PASS
			5735~40000	26739.15	-36.94	≤-27	PASS
		5670	30~5460	4958.45	-45.87	≤-27	PASS
			5735~40000	23511.83	-37.06	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	5448.96	-44.98	≤-27	PASS
			5735~40000	24273.83	-37.52	≤-27	PASS
		5600	30~5460	2788.98	-46.23	≤-27	PASS
			5735~40000	26063.63	-35.81	≤-27	PASS
		5700	30~5460	5446.79	-45.74	≤-27	PASS
			5735~40000	25642.58	-36.53	≤-27	PASS
11AC40SISO	Ant1	5510	30~5460	5459.46	-43.23	≤-27	PASS
			5735~40000	24777.81	-37.48	≤-27	PASS
		5590	30~5460	5387.6	-45.7	≤-27	PASS
			5735~40000	26569.03	-37.48	≤-27	PASS
		5670	30~5460	5401.9	-45.71	≤-27	PASS
			5735~40000	24239.8	-37.05	≤-27	PASS
11AC80SISO	Ant1	5530	30~5460	5459.1	-37.26	≤-27	PASS
			5735~40000	24801.91	-37.29	≤-27	PASS
		5610	30~5460	2675.32	-45.76	≤-27	PASS
			5735~40000	25018.1	-37.42	≤-27	PASS

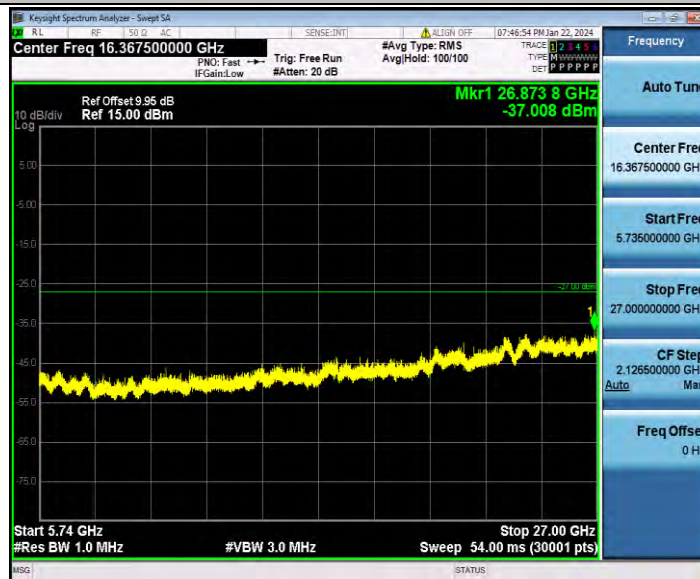
Test Graphs



11A_Ant1_5600_30~5460



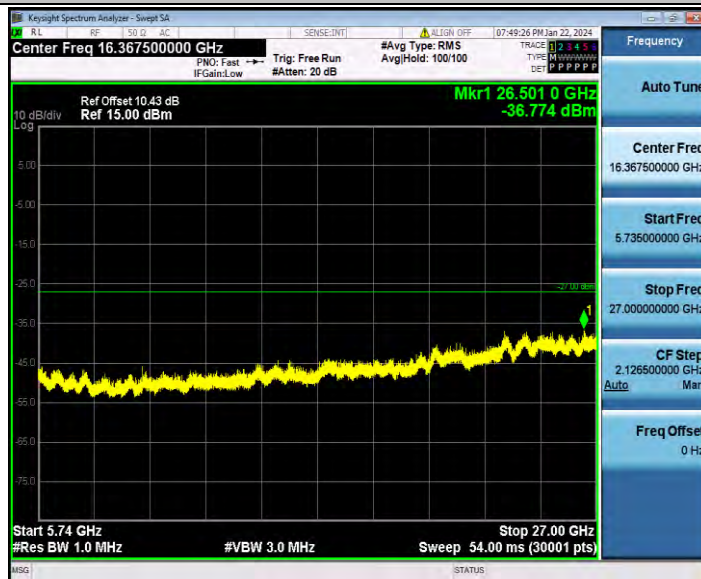
11A_Ant1_5600_5735~40000



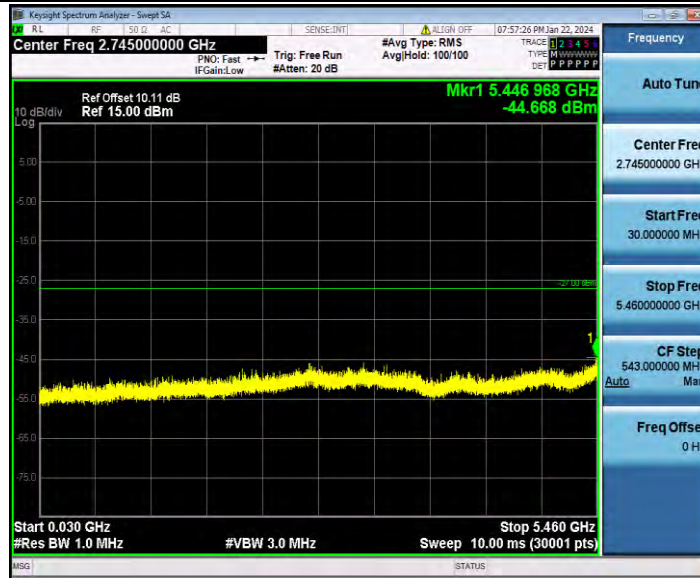
11A_Ant1_5700_30~5460



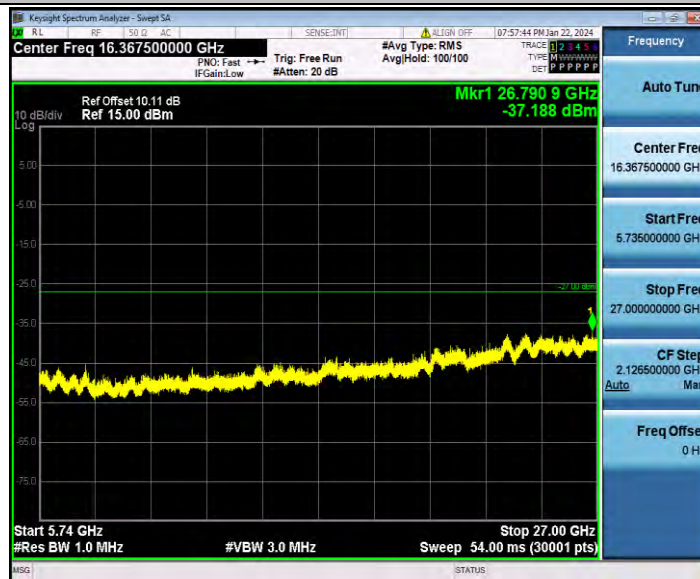
11A_Ant1_5700_5735~40000



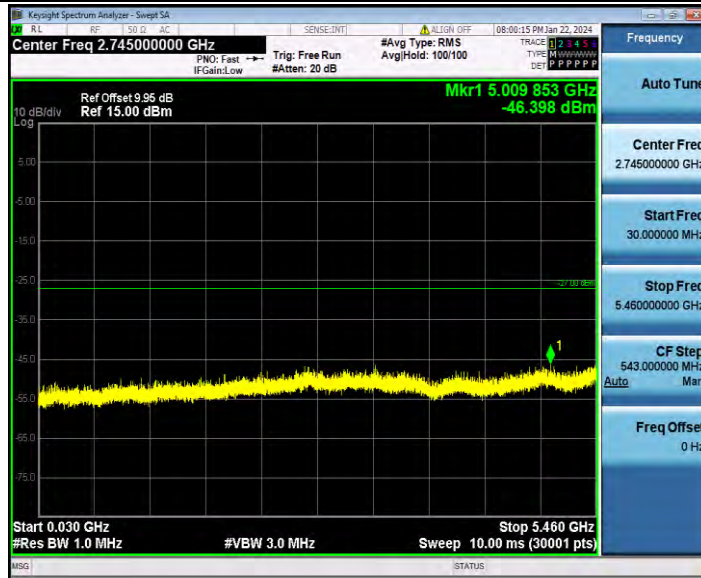
11N20SISO_Ant1_5500_30~5460



11N20SISO_Ant1_5500_5735~40000



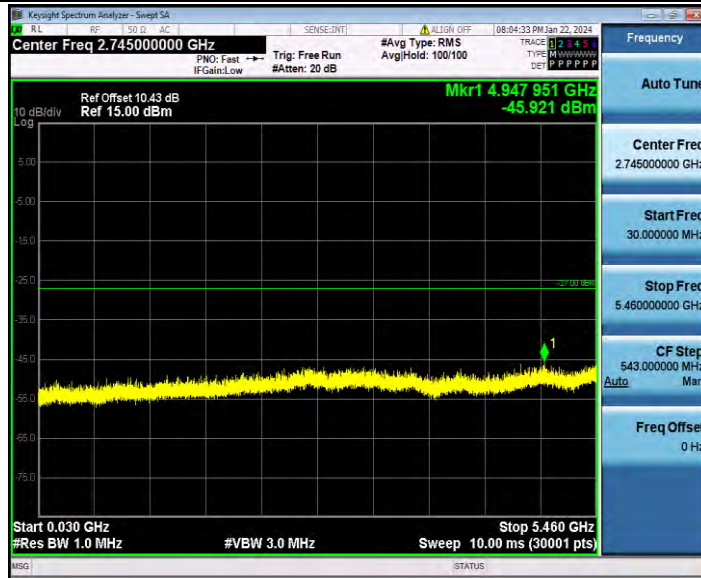
11N20SISO_Ant1_5600_30~5460



11N20SISO_Ant1_5600_5735~40000



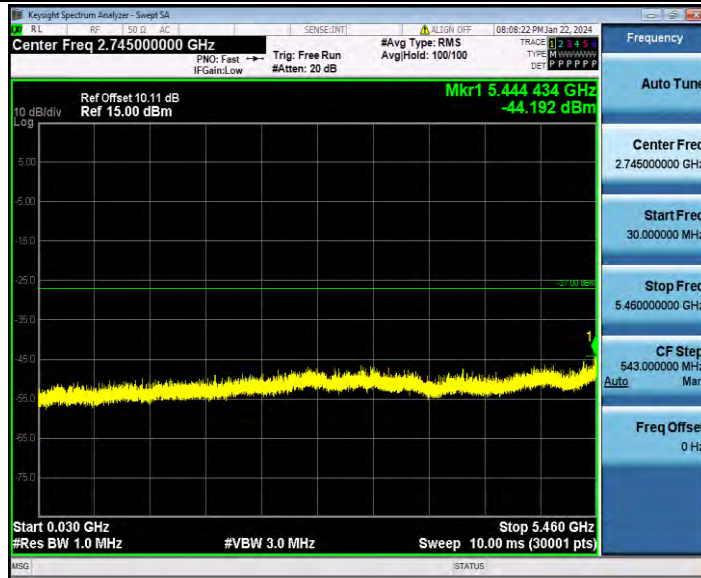
11N20SISO_Ant1_5700_30~5460



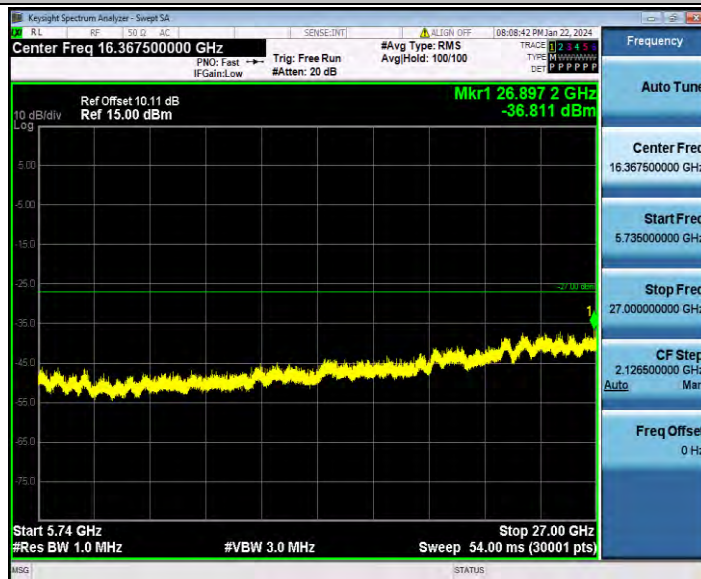
11N20SISO_Ant1_5700_5735~40000



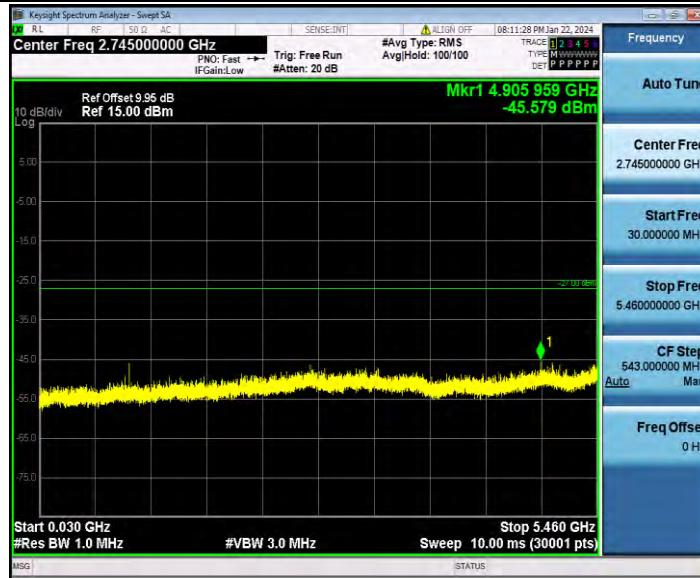
11N40SISO_Ant1_5510_30~5460



11N40SISO_Ant1_5510_5735~40000



11N40SISO_Ant1_5590_30~5460



11N40SISO_Ant1_5590_5735~40000



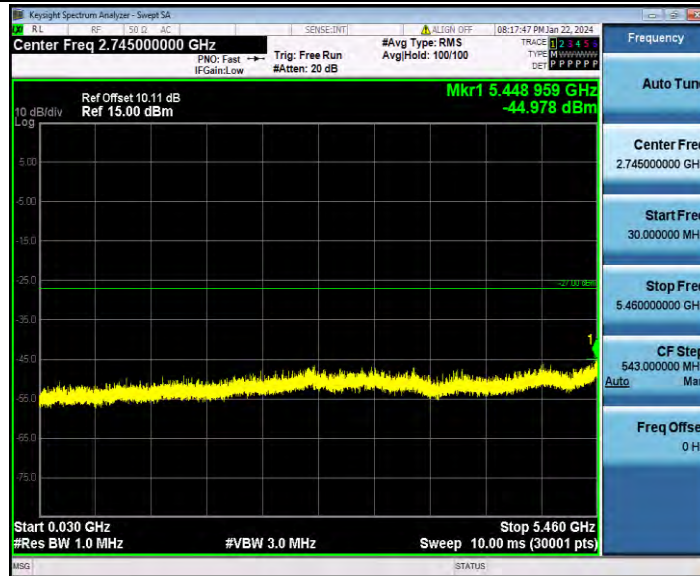
11N40SISO_Ant1_5670_30~5460



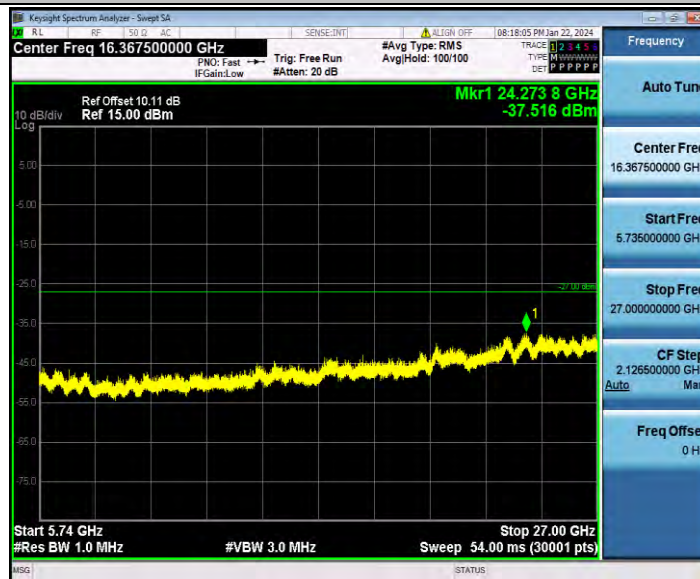
11N40SISO_Ant1_5670_5735~40000



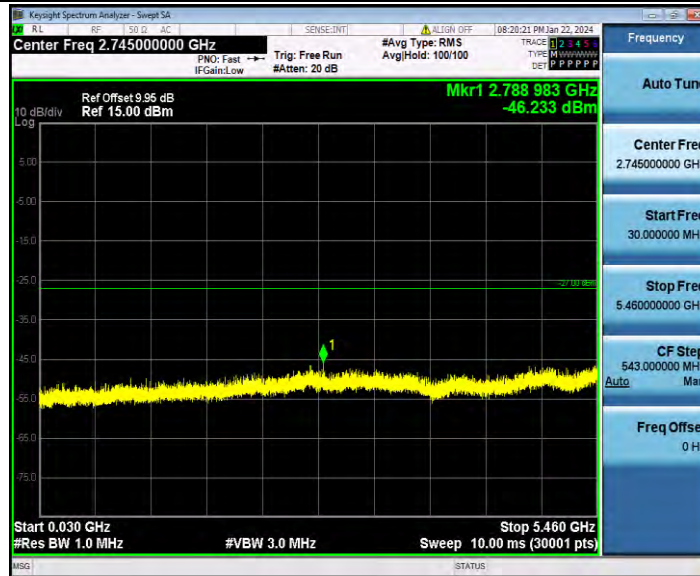
11AC20SISO_Ant1_5500_30~5460



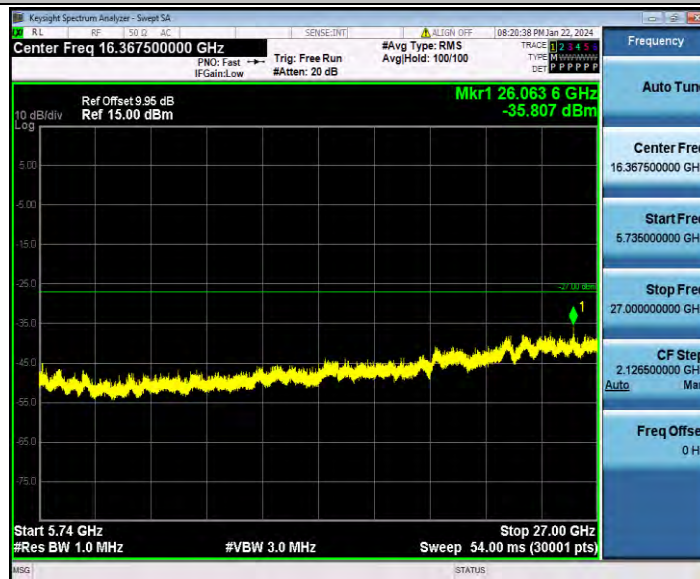
11AC20SISO_Ant1_5500_5735~40000



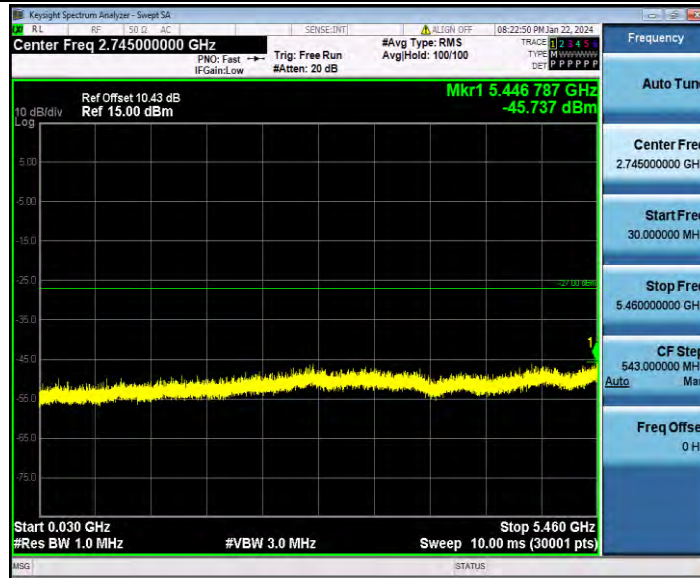
11AC20SISO_Ant1_5600_30~5460



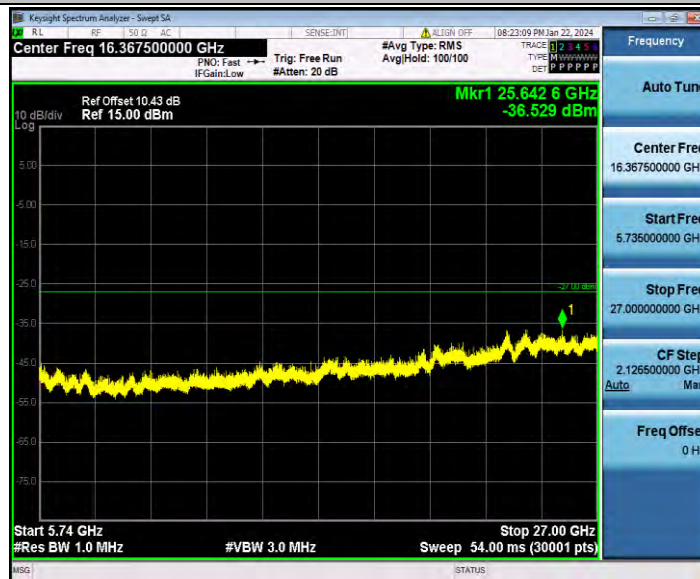
11AC20SISO_Ant1_5600_5735~40000



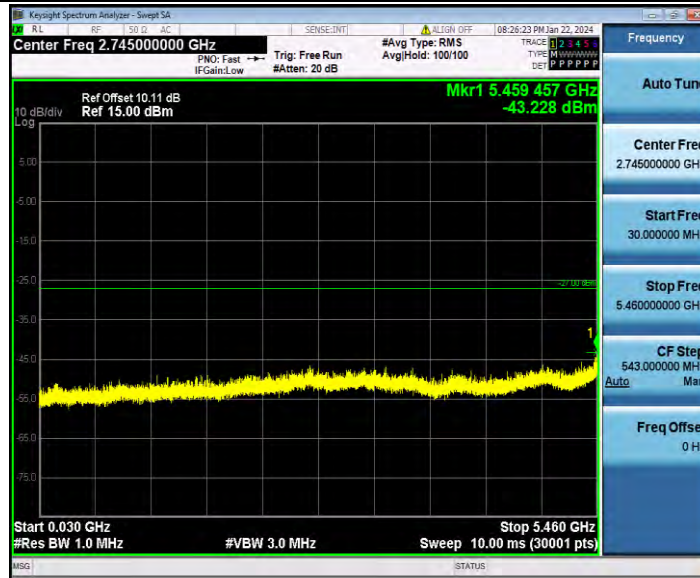
11AC20SISO_Ant1_5700_30~5460



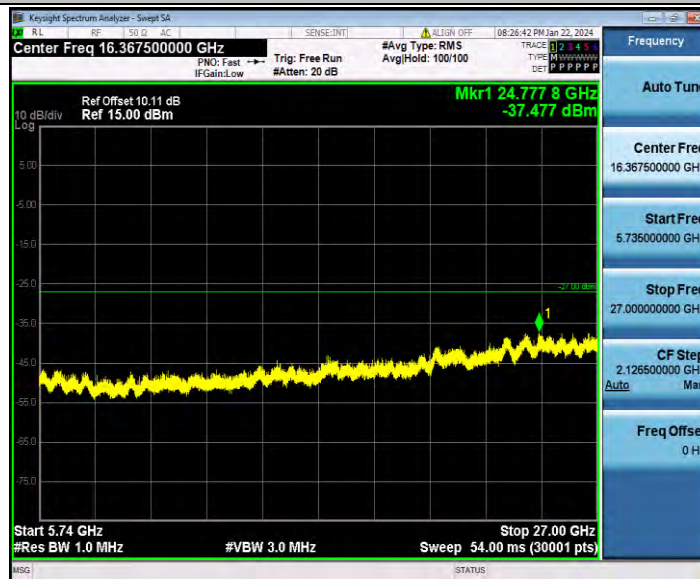
11AC20SISO_Ant1_5700_5735~40000



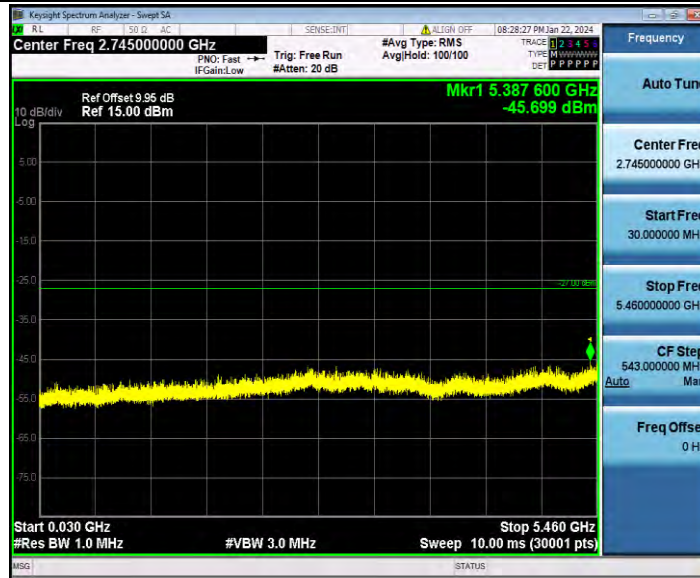
11AC40SISO_Ant1_5510_30~5460



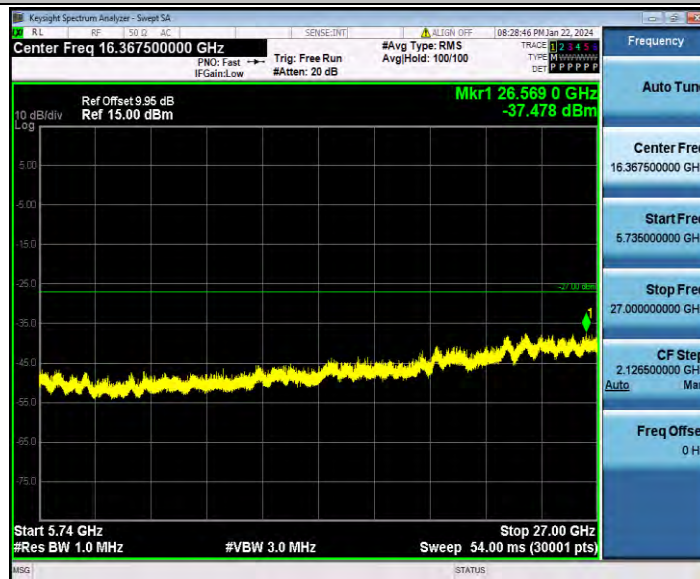
11AC40SISO_Ant1_5510_5735~40000



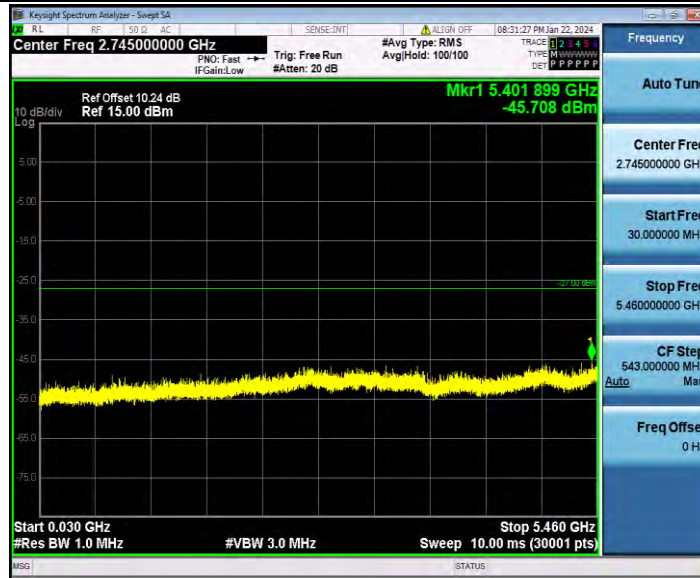
11AC40SISO_Ant1_5590_30~5460



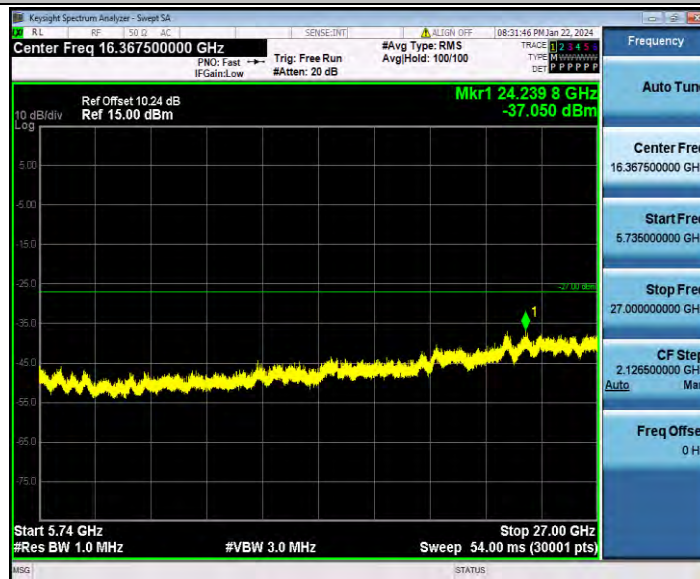
11AC40SISO_Ant1_5590_5735~40000



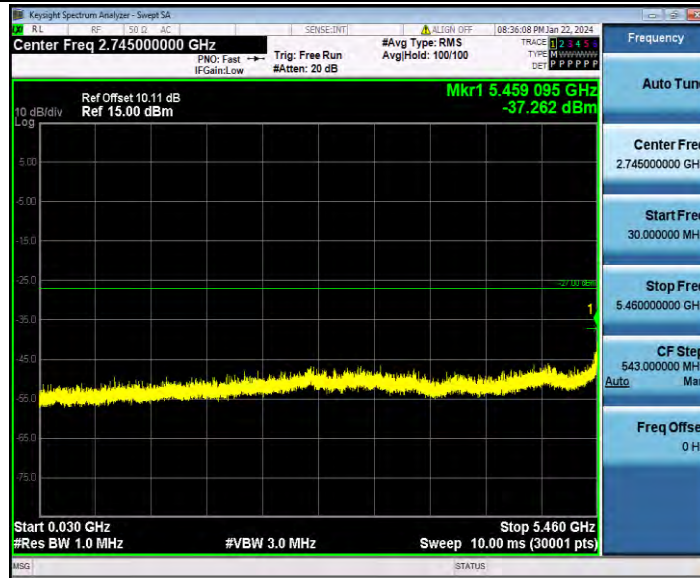
11AC40SISO_Ant1_5670_30~5460



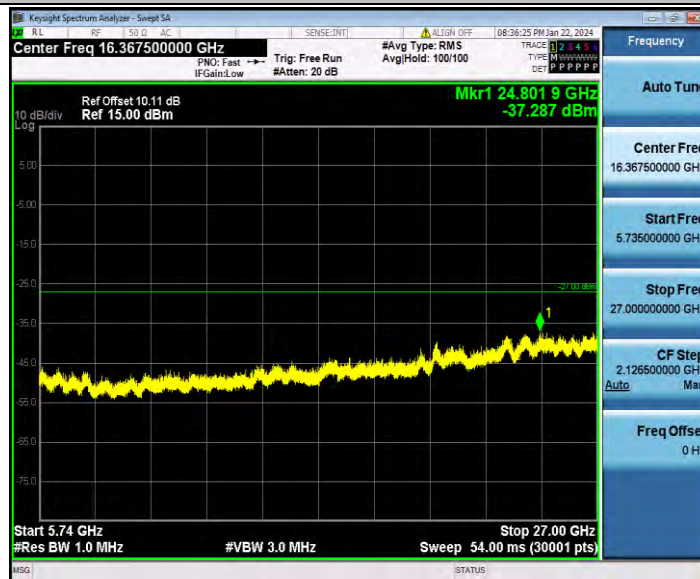
11AC40SISO_Ant1_5670_5735~40000



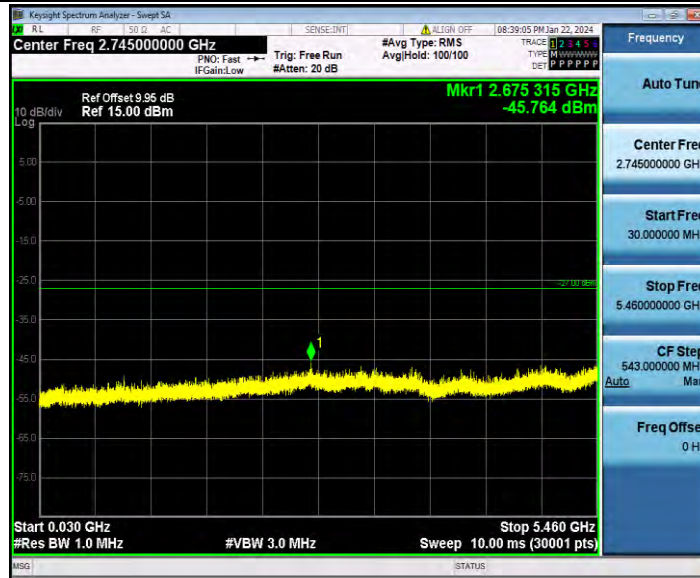
11AC80SISO_Ant1_5530_30~5460



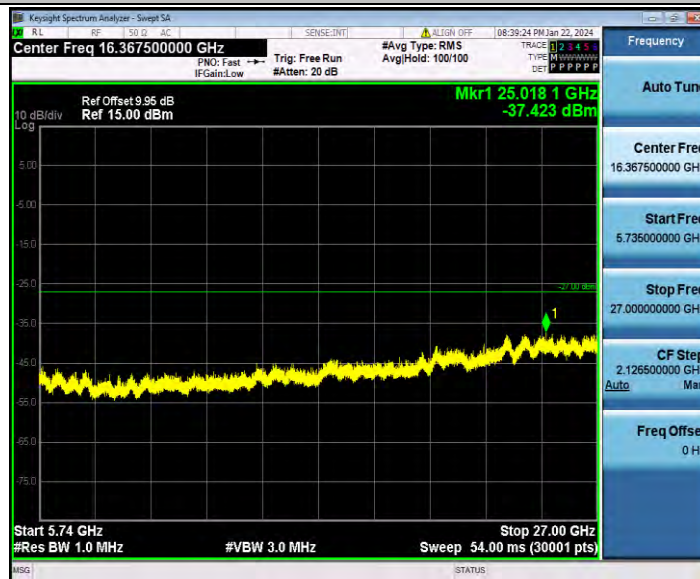
11AC80SISO_Ant1_5530_5735~40000



11AC80SISO_Ant1_5610_30~5460



11AC80SISO_Ant1_5610_5735~40000



Appendix F.8: Emissions in Restricted Bands

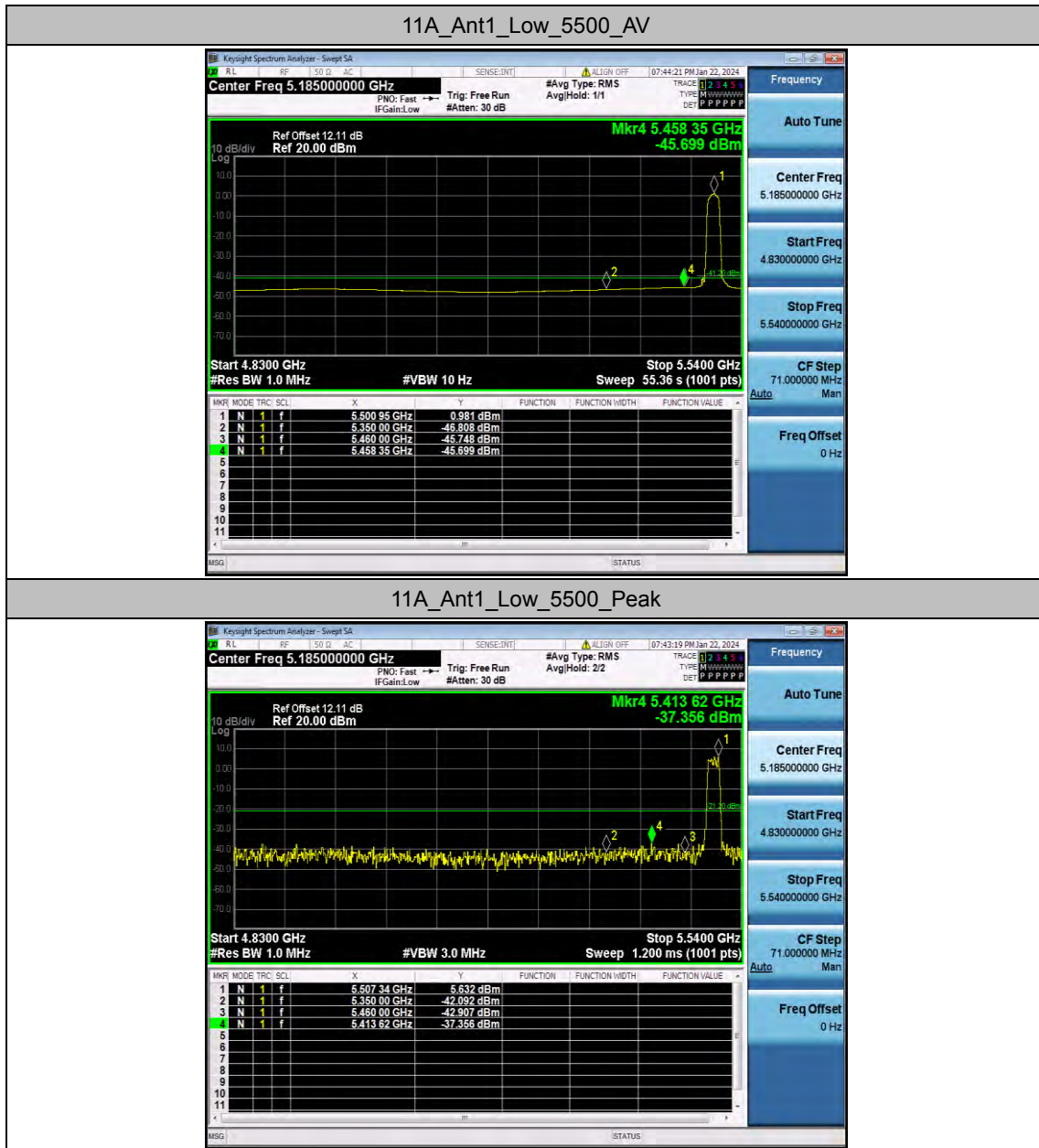
Test Result

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	-46.81	≤-41.20	48.39	≤54	PASS
				AV	5458.350	-45.7	≤-41.20	49.50	≤54	PASS
				AV	5460.000	-45.75	≤-41.20	49.45	≤54	PASS
				Peak	5350.000	-42.09	≤-21.20	53.11	≤74	PASS
				Peak	5413.620	-37.36	≤-21.20	57.84	≤74	PASS
				Peak	5460.000	-42.91	≤-21.20	52.29	≤74	PASS
11N20SIS O	Ant1	Low	5500	AV	5350.000	-46.74	≤-41.20	48.46	≤54	PASS
				AV	5458.350	-45.57	≤-41.20	49.63	≤54	PASS
				AV	5460.000	-45.6	≤-41.20	49.60	≤54	PASS
				Peak	5350.000	-46.3	≤-21.20	48.90	≤74	PASS
				Peak	5454.800	-37.96	≤-21.20	57.24	≤74	PASS
				Peak	5460.000	-40.23	≤-21.20	54.97	≤74	PASS
11N40SIS O	Ant1	Low	5510	AV	5350.000	-46.73	≤-41.20	48.47	≤54	PASS
				AV	5457.700	-45.47	≤-41.20	49.73	≤54	PASS
				AV	5460.000	-45.47	≤-41.20	49.73	≤54	PASS
				Peak	5350.000	-43.06	≤-21.20	52.14	≤74	PASS
				Peak	5422.910	-38.34	≤-21.20	56.86	≤74	PASS
				Peak	5460.000	-40.65	≤-21.20	54.55	≤74	PASS
11AC20SI SO	Ant1	Low	5500	AV	5350.000	-46.75	≤-41.20	48.45	≤54	PASS
				AV	5458.350	-45.55	≤-41.20	49.65	≤54	PASS
				AV	5460.000	-45.6	≤-41.20	49.60	≤54	PASS
				Peak	5350.000	-42.98	≤-21.20	52.22	≤74	PASS
				Peak	5429.240	-37.43	≤-21.20	57.77	≤74	PASS
				Peak	5460.000	-42.45	≤-21.20	52.75	≤74	PASS
11AC40SI SO	Ant1	Low	5510	AV	5350.000	-46.7	≤-41.20	48.50	≤54	PASS
				AV	5459.830	-45.44	≤-41.20	49.76	≤54	PASS
				AV	5460.000	-45.44	≤-41.20	49.76	≤54	PASS
				Peak	5350.000	-44.71	≤-21.20	50.49	≤74	PASS
				Peak	5428.590	-38.63	≤-21.20	56.57	≤74	PASS
				Peak	5460.000	-45.73	≤-21.20	49.47	≤74	PASS
11AC80SI SO	Ant1	Low	5530	AV	5350.000	-46.72	≤-41.20	48.48	≤54	PASS
				AV	5458.530	-44.82	≤-41.20	50.38	≤54	PASS
				AV	5460.000	-44.92	≤-41.20	50.28	≤54	PASS
				Peak	5350.000	-43.06	≤-21.20	52.14	≤74	PASS
				Peak	5420.190	-35.96	≤-21.20	59.24	≤74	PASS
				Peak	5460.000	-42.87	≤-21.20	52.33	≤74	PASS

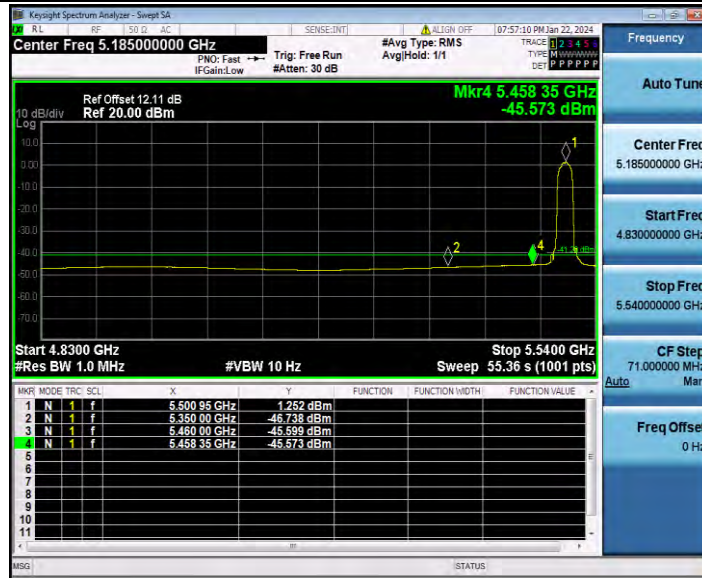
Note:

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.

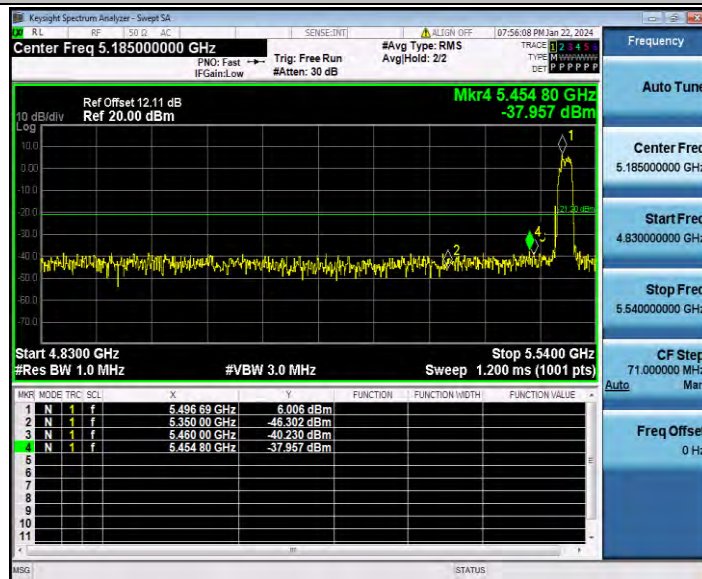
Test Graphs



11N20SISO_Ant1_Low_5500_AV



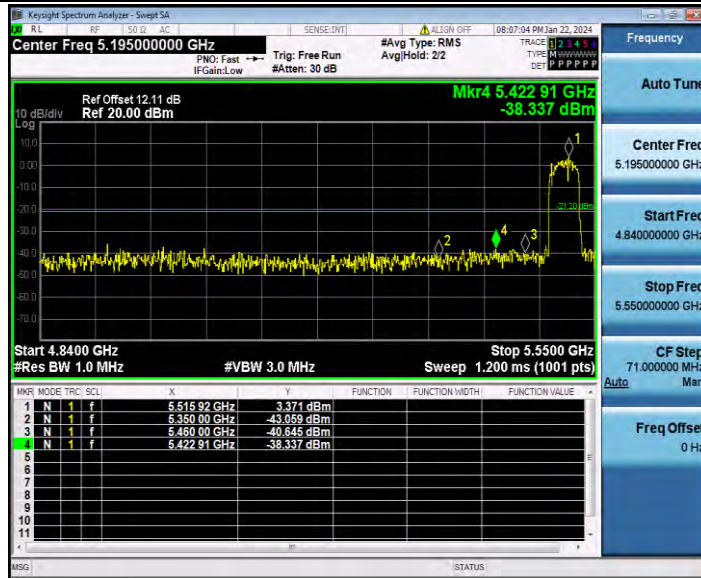
11N20SISO_Ant1_Low_5500_Peak



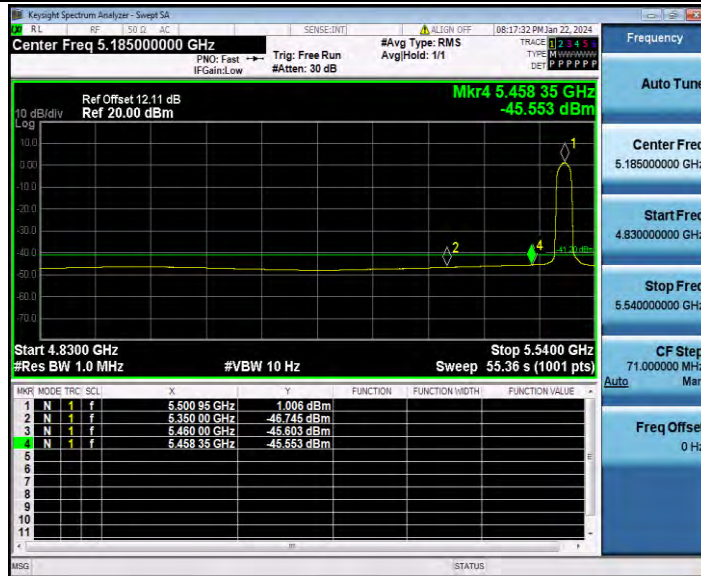
11N40SISO_Ant1_Low_5510_AV



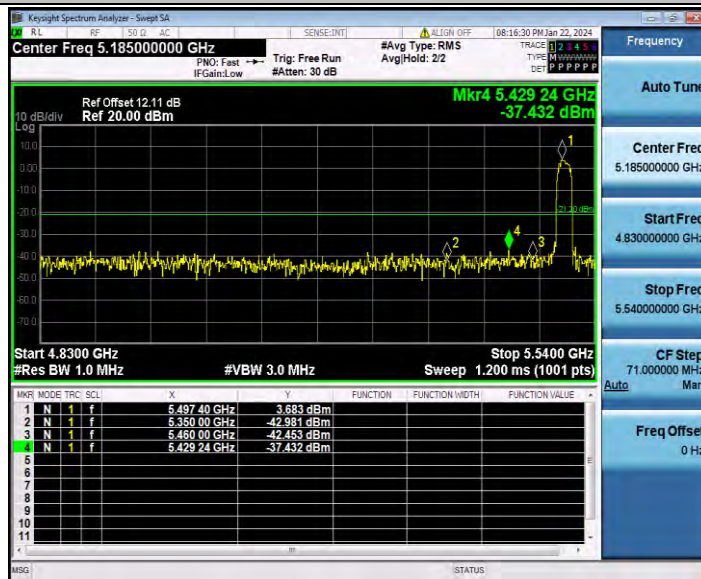
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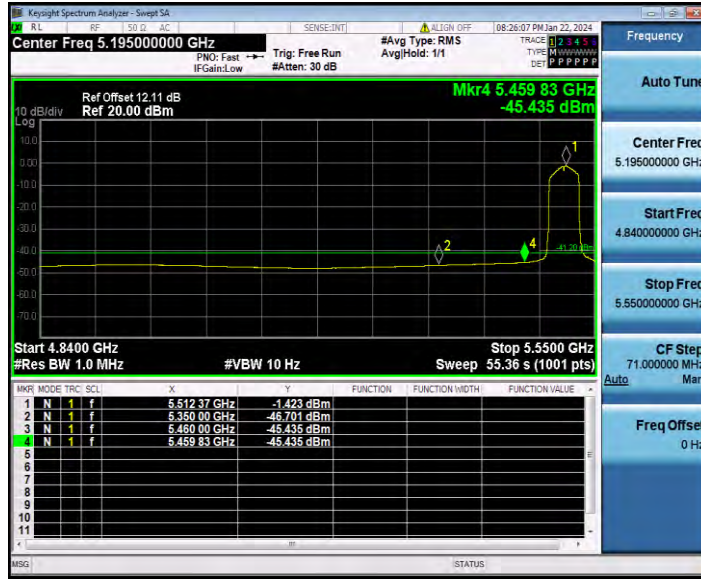
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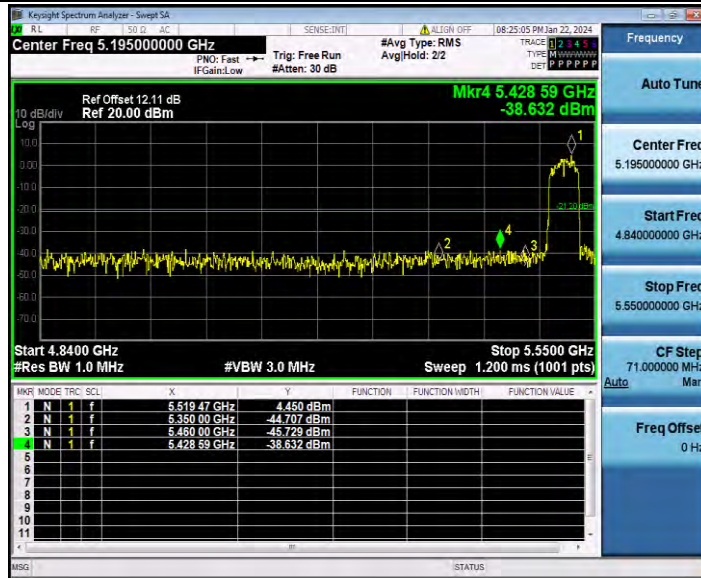
11AC20SISO_Ant1_Low_5500_Peak



11AC40SISO_Ant1_Low_5510_AV



11AC40SISO_Ant1_Low_5510_Peak



11AC80SISO_Ant1_Low_5530_AV



11AC80SISO_Ant1_Low_5530_Peak

