

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	9.25	89.43	0.49	9.74	≤23.98	PASS
		5580	9.10	91.86	0.37	9.47	≤23.98	PASS
		5700	8.00	82.52	0.83	8.83	≤23.98	PASS
11N20SISO	Ant1	5500	9.17	81.47	0.89	10.06	≤23.98	PASS
		5580	9.54	89.15	0.50	10.04	≤23.98	PASS
		5700	8.03	79.50	1.00	9.03	≤23.98	PASS
11N40SISO	Ant1	5510	7.30	67.14	1.73	9.03	≤23.98	PASS
		5590	8.19	80.34	0.95	9.14	≤23.98	PASS
		5670	7.43	66.20	1.79	9.22	≤23.98	PASS
11AC20SISO	Ant1	5500	9.11	90.05	0.46	9.57	≤23.98	PASS
		5580	9.96	91.35	0.39	10.35	≤23.98	PASS
		5700	8.44	90.91	0.41	8.85	≤23.98	PASS
11AC40SISO	Ant1	5510	8.97	81.58	0.88	9.85	≤23.98	PASS
		5590	8.21	65.49	1.84	10.05	≤23.98	PASS
		5670	7.24	68.12	1.67	8.91	≤23.98	PASS
11AC80SISO	Ant1	5530	4.78	66.18	1.79	6.57	≤23.98	PASS
		5610	5.63	67.65	1.70	7.33	≤23.98	PASS
11AX20SISO	Ant1	5500	9.23	88.48	0.53	9.76	≤23.98	PASS
		5580	9.41	85.88	0.66	10.07	≤23.98	PASS
		5700	7.81	88.48	0.53	8.34	≤23.98	PASS
11AX40SISO	Ant1	5510	8.59	76.00	1.19	9.78	≤23.98	PASS
		5590	8.11	61.11	2.14	10.25	≤23.98	PASS
		5670	8.01	76.77	1.15	9.16	≤23.98	PASS
11AX80SISO	Ant1	5530	5.65	61.90	2.08	7.73	≤23.98	PASS
		5610	5.67	61.90	2.08	7.75	≤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	-1.97	≤11.00	PASS
		5580	-1.85	≤11.00	PASS
		5700	-2.57	≤11.00	PASS
11N20SISO	Ant1	5500	-1.96	≤11.00	PASS
		5580	-1.97	≤11.00	PASS
		5700	-2.72	≤11.00	PASS
11N40SISO	Ant1	5510	-4.44	≤11.00	PASS
		5590	-5.32	≤11.00	PASS
		5670	-4.88	≤11.00	PASS
11AC20SISO	Ant1	5500	-2.52	≤11.00	PASS
		5580	-1.72	≤11.00	PASS
		5700	-3.13	≤11.00	PASS
11AC40SISO	Ant1	5510	-4.50	≤11.00	PASS
		5590	-4.19	≤11.00	PASS
		5670	-4.90	≤11.00	PASS
11AC80SISO	Ant1	5530	-8.44	≤11.00	PASS
		5610	-9.44	≤11.00	PASS
11AX20SISO	Ant1	5500	-2.64	≤11.00	PASS
		5580	-2.23	≤11.00	PASS
		5700	-3.71	≤11.00	PASS
11AX40SISO	Ant1	5510	-4.97	≤11.00	PASS
		5590	-4.49	≤11.00	PASS
		5670	-5.77	≤11.00	PASS
11AX80SISO	Ant1	5530	-9.41	≤11.00	PASS
		5610	-9.20	≤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

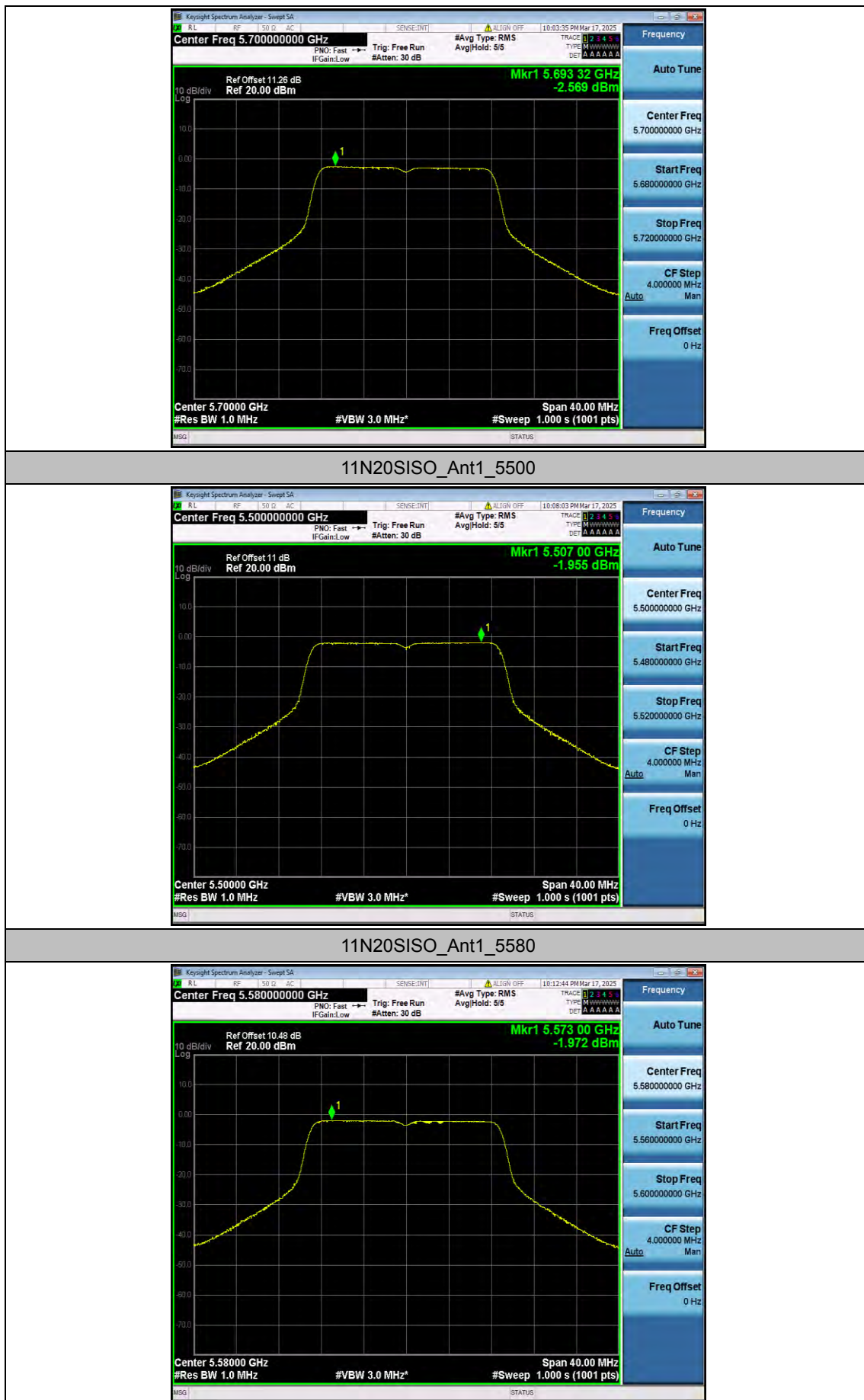
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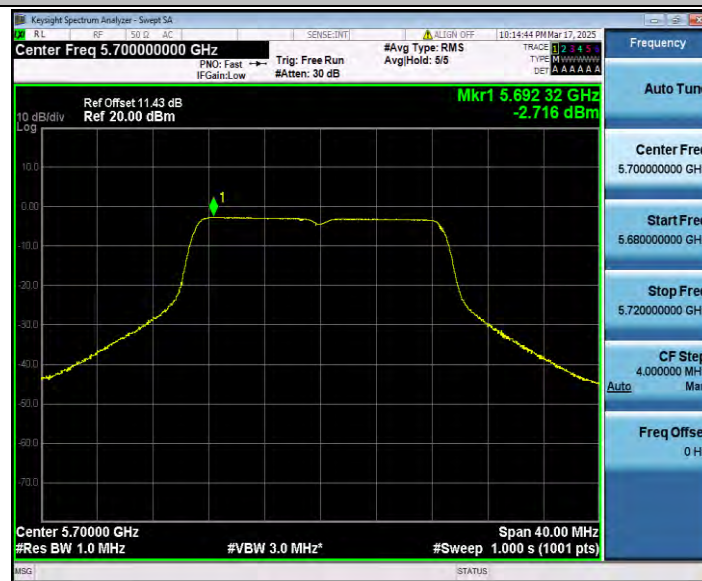
11A_Ant1_5580



11A_Ant1_5700



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



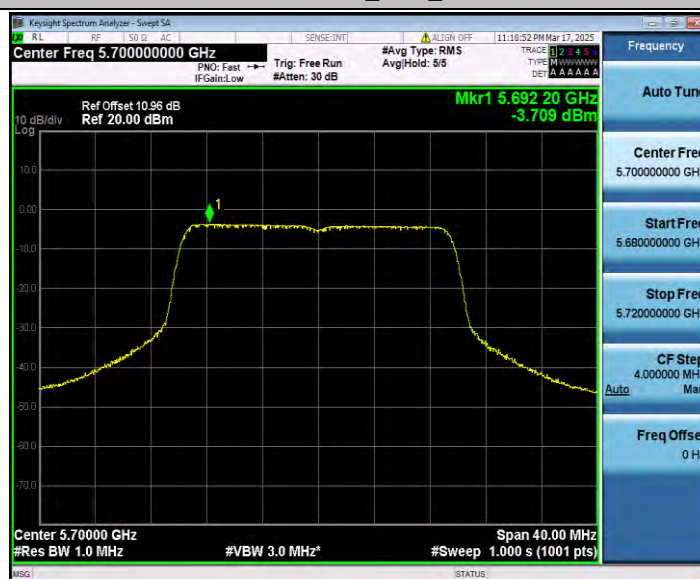
11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



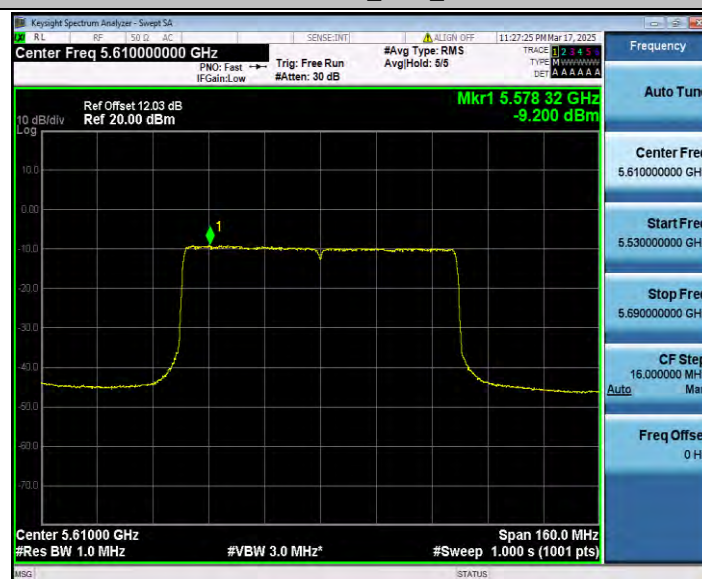
11AX40SISO_Ant1_5670



11AX80ISO_Ant1_5530



11AX80ISO_Ant1_5610

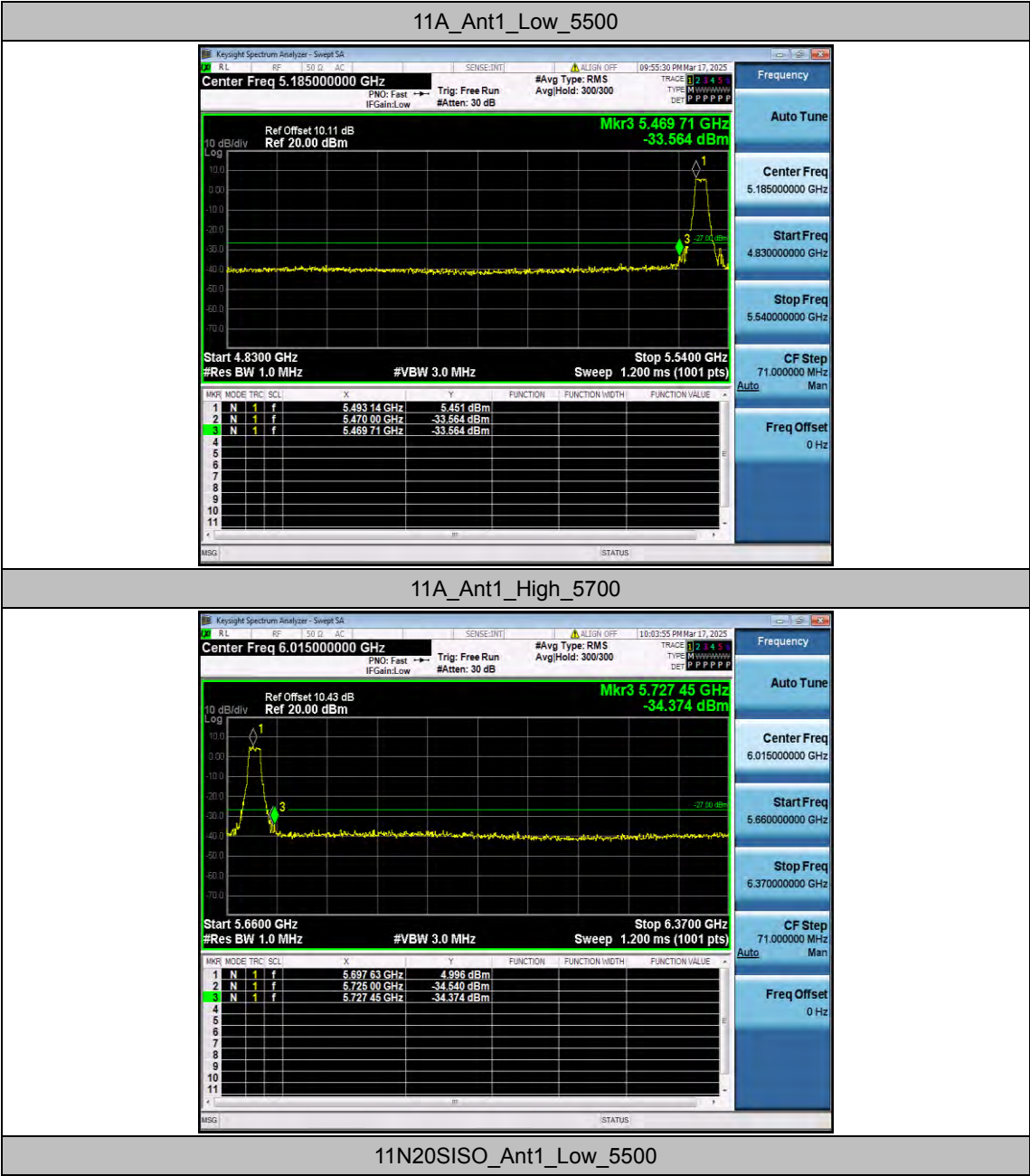


Appendix F.6: Band edge measurements

Test Result B3

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-33.56	≤ -27	PASS
		High	5700	-34.37	≤ -27	PASS
11N20SISO	Ant1	Low	5500	-33.59	≤ -27	PASS
		High	5700	-32.87	≤ -27	PASS
11N40SISO	Ant1	Low	5510	-33.11	≤ -27	PASS
		High	5670	-36.71	≤ -27	PASS
11AC20SISO	Ant1	Low	5500	-35.54	≤ -27	PASS
		High	5700	-33.1	≤ -27	PASS
11AC40SISO	Ant1	Low	5510	-31.34	≤ -27	PASS
		High	5670	-36.34	≤ -27	PASS
11AC80SISO	Ant1	Low	5530	-32.35	≤ -27	PASS
		High	5610	-37.85	≤ -27	PASS
11AX20SISO	Ant1	Low	5500	-33.71	≤ -27	PASS
		High	5700	-34.39	≤ -27	PASS
11AX40SISO	Ant1	Low	5510	-34.36	≤ -27	PASS
		High	5670	-37.3	≤ -27	PASS
11AX80SISO	Ant1	Low	5530	-32.32	≤ -27	PASS
		High	5610	-37.56	≤ -27	PASS

Test Graphs B3



11A_Ant1_High_5700

Frequency

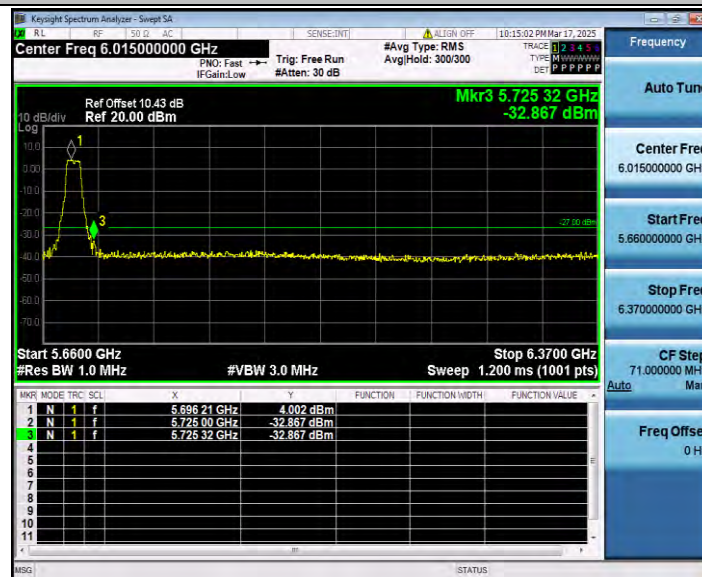
Auto Tune

Center Freq
6.01500000 GHzStart Freq
5.66000000 GHzStop Freq
6.37000000 GHzCF Step
71.000000 MHz
Auto ManFreq Offset
0 Hz

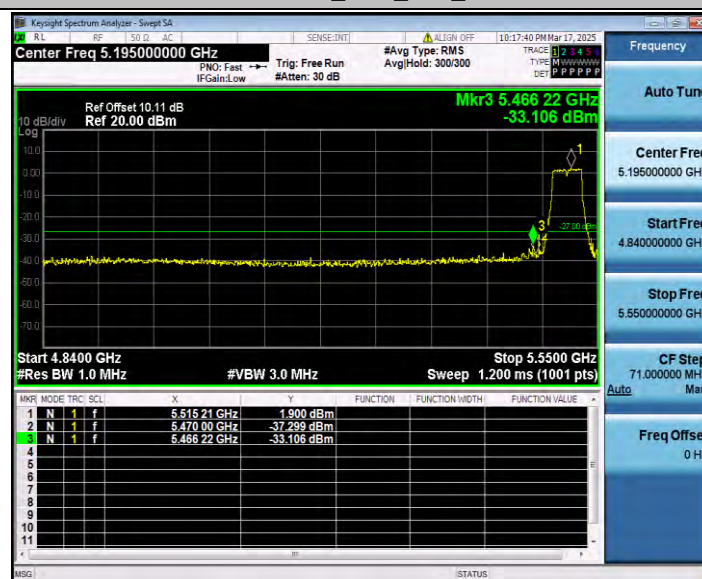
11N20SISO_Ant1_Low_5500



11N20SISO_Ant1_High_5700



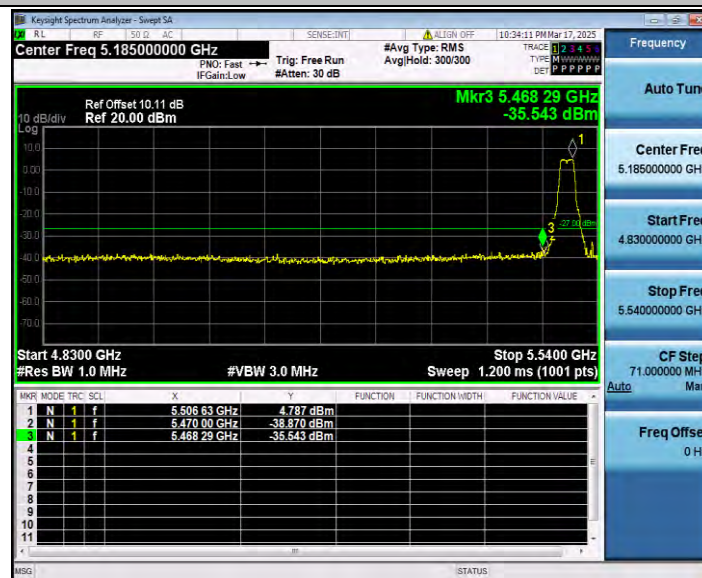
11N40SISO_Ant1_Low_5510



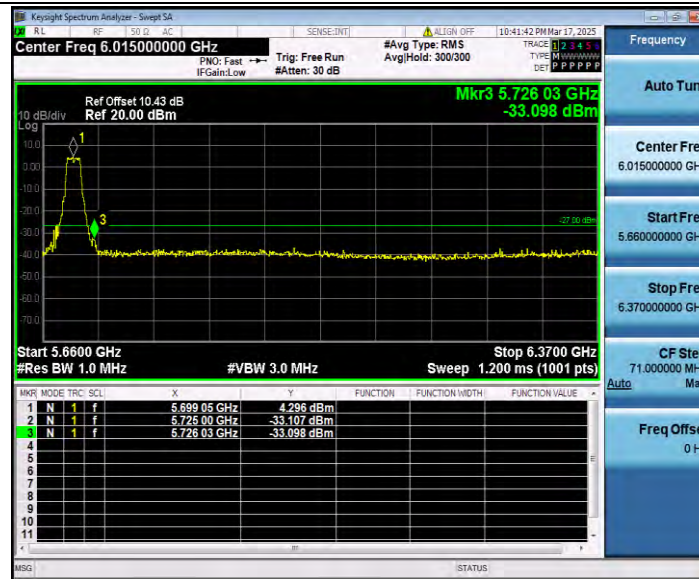
11N40SISO_Ant1_High_5670



11AC20SISO_Ant1_Low_5500



11AC20SISO_Ant1_High_5700



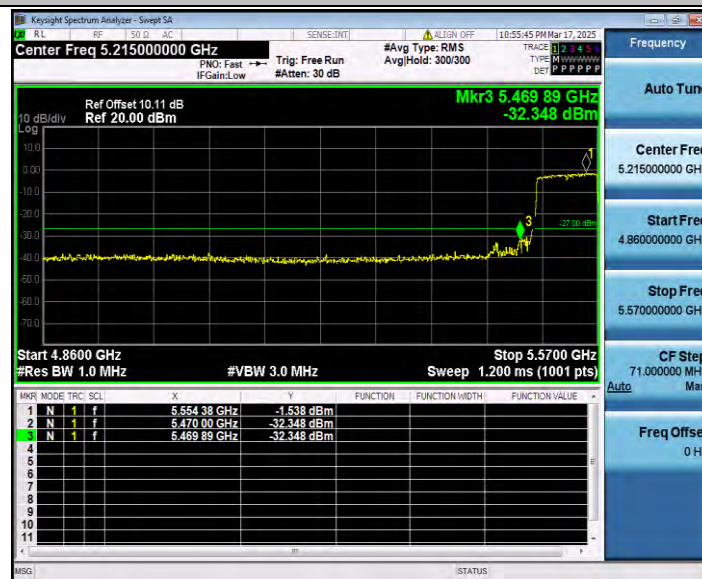
11AC40SISO_Ant1_Low_5510



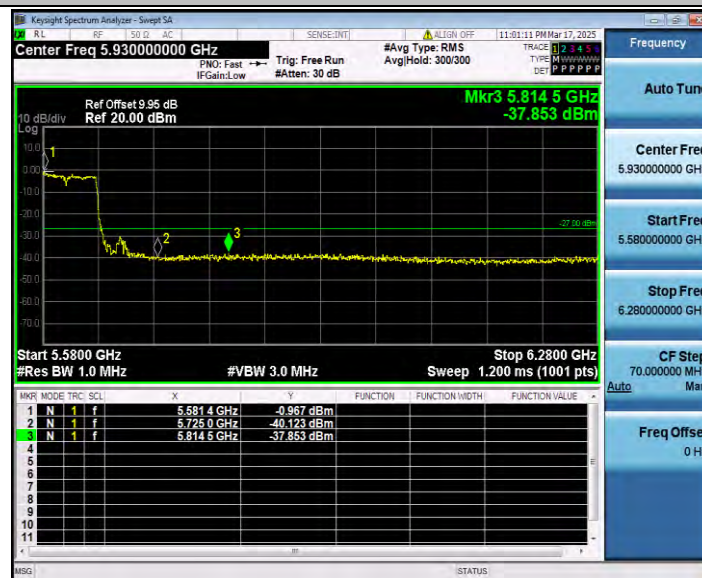
11AC40SISO_Ant1_High_5670



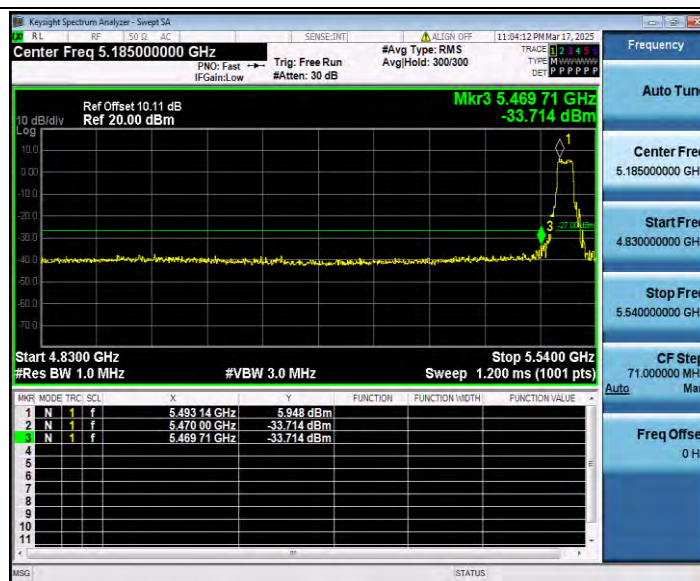
11AC80SISO_Ant1_Low_5530



11AC80SISO_Ant1_High_5610



11AX20SISO_Ant1_Low_5500

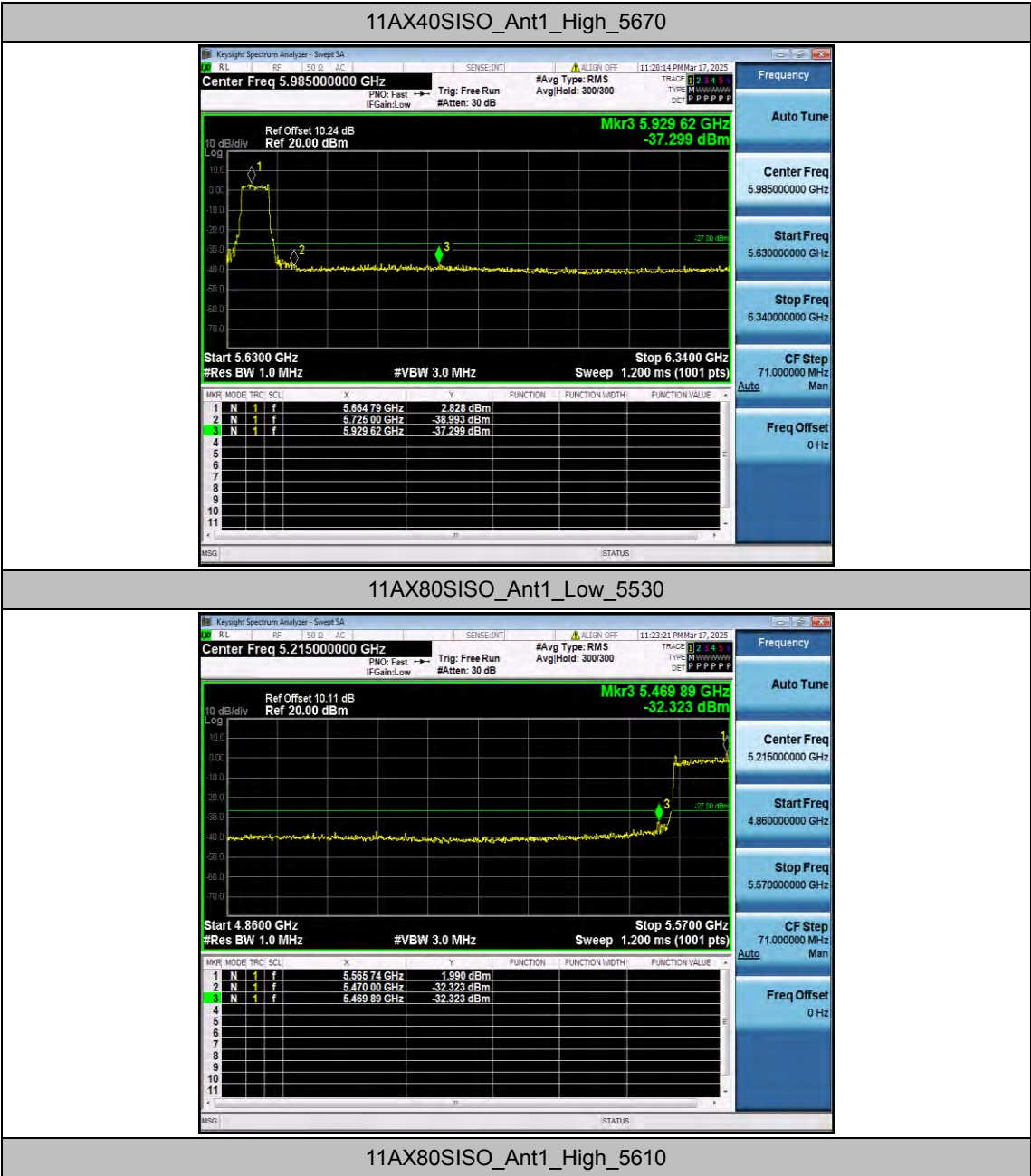


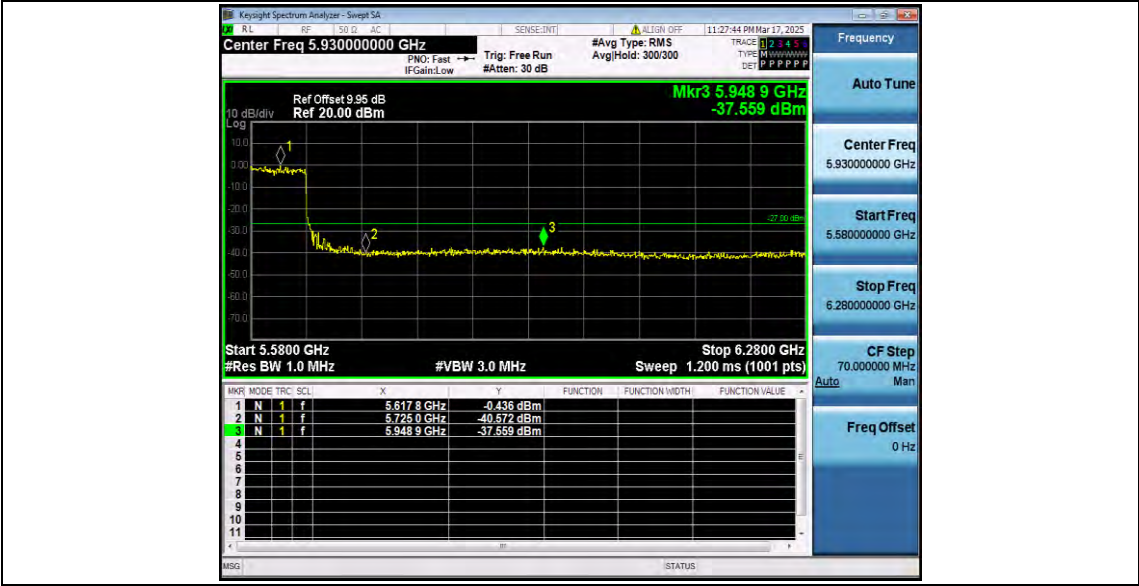
11AX20SISO_Ant1_High_5700



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	5459.46	-41.61	≤-27	PASS
			5735~27000	26004.8	-37.31	≤-27	PASS
		5580	30~5460	5436.47	-45.7	≤-27	PASS
			5735~27000	23476.39	-36.82	≤-27	PASS
		5700	30~5460	5433.03	-46.1	≤-27	PASS
			5735~27000	5735	-35.82	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5444.25	-42.42	≤-27	PASS
			5735~27000	24843.73	-36.47	≤-27	PASS
		5580	30~5460	2654.14	-46.19	≤-27	PASS
			5735~27000	24274.54	-37.37	≤-27	PASS
		5700	30~5460	5419.28	-45.15	≤-27	PASS
			5735~27000	26623.61	-36.59	≤-27	PASS
11N40SISO	Ant1	5510	30~5460	5460	-37.98	≤-27	PASS
			5735~27000	26792.31	-36.72	≤-27	PASS
		5590	30~5460	5423.44	-45.61	≤-27	PASS
			5735~27000	23460.8	-36.86	≤-27	PASS
		5670	30~5460	5444.62	-44.59	≤-27	PASS
			5735~27000	26018.97	-36.37	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	5460	-37.58	≤-27	PASS
			5735~27000	24137.02	-37.21	≤-27	PASS
		5580	30~5460	5395.2	-45.67	≤-27	PASS
			5735~27000	23516.08	-37.23	≤-27	PASS
		5700	30~5460	5447.51	-45.73	≤-27	PASS
			5735~27000	26562.65	-36.52	≤-27	PASS
11AC40SISO	Ant1	5510	30~5460	5459.28	-37.74	≤-27	PASS
			5735~27000	23587.68	-37.25	≤-27	PASS
		5590	30~5460	5447.69	-45.69	≤-27	PASS
			5735~27000	25235.01	-36.22	≤-27	PASS
		5670	30~5460	5459.82	-46.12	≤-27	PASS
			5735~27000	24242.64	-36.71	≤-27	PASS
11AC80SISO	Ant1	5530	30~5460	5445.34	-36.08	≤-27	PASS
			5735~27000	26971.65	-36.78	≤-27	PASS
		5610	30~5460	5442.44	-45.9	≤-27	PASS
			5735~27000	23569.96	-36.86	≤-27	PASS
11AX20SISO	Ant1	5500	30~5460	5453.67	-43.65	≤-27	PASS
			5735~27000	23592.64	-37.2	≤-27	PASS

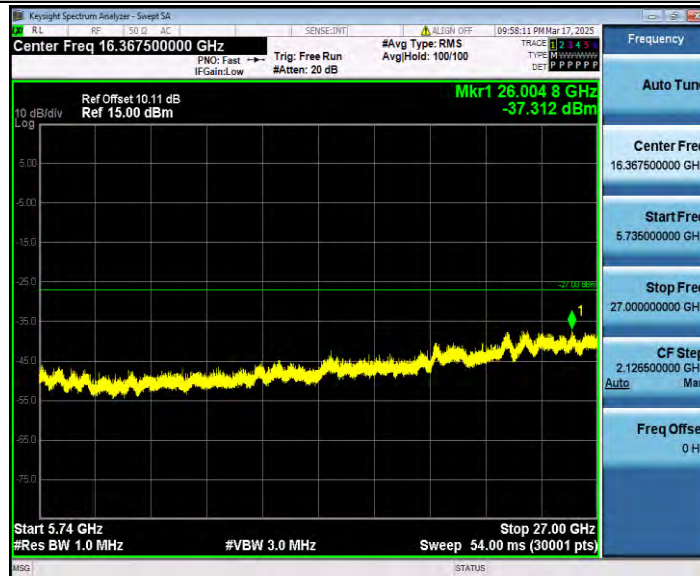
		5580	30~5460	2653.23	-45.78	≤ -27	PASS
			5735~27000	26508.07	-37.05	≤ -27	PASS
		5700	30~5460	4960.08	-45.78	≤ -27	PASS
			5735~27000	26050.16	-37.07	≤ -27	PASS
11AX40SISO	Ant1	5510	30~5460	5457.47	-35.65	≤ -27	PASS
			5735~27000	26575.41	-37.62	≤ -27	PASS
		5590	30~5460	5372.4	-46.06	≤ -27	PASS
			5735~27000	26732.06	-36.93	≤ -27	PASS
		5670	30~5460	1743.89	-42.34	≤ -27	PASS
			5735~27000	24292.97	-36.56	≤ -27	PASS
11AX80SISO	Ant1	5530	30~5460	5452.22	-37.54	≤ -27	PASS
			5735~27000	25580.21	-36.22	≤ -27	PASS
		5610	30~5460	4967.32	-46.25	≤ -27	PASS
			5735~27000	26060.8	-36.97	≤ -27	PASS

Test Graphs

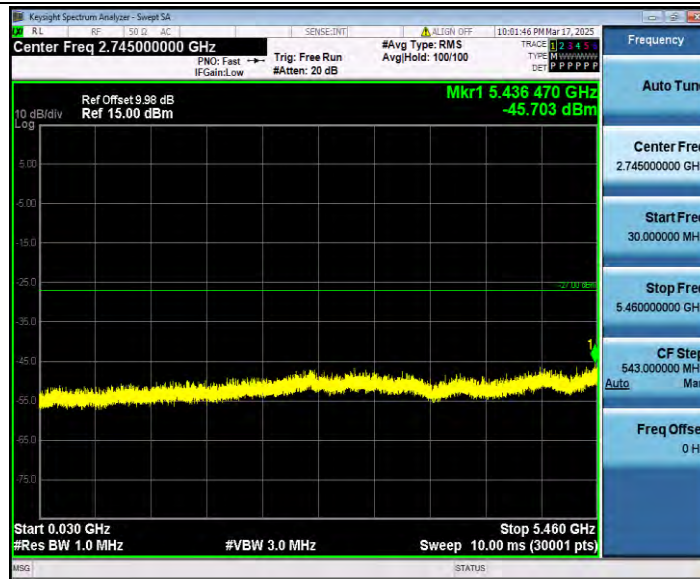
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11A_Ant1_5500_5735~27000



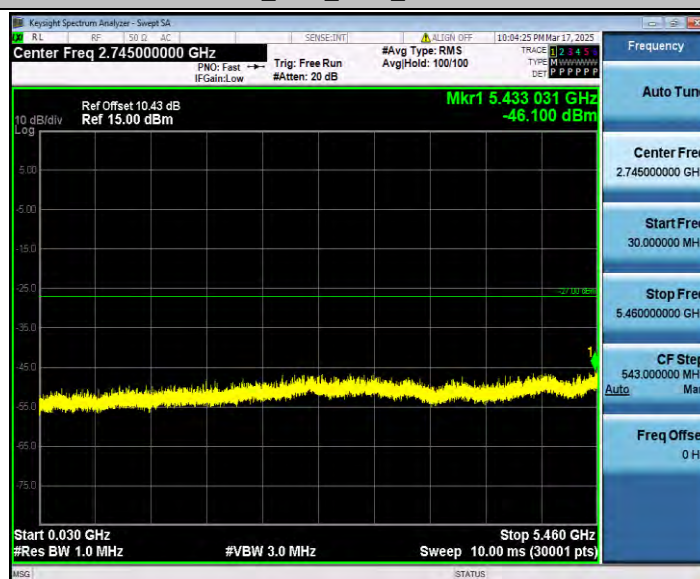
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11A_Ant1_5580_5735~27000



11A_Ant1_5700_30~5460



11A_Ant1_5700_5735~27000



11N20SISO_Ant1_5500_30~5460



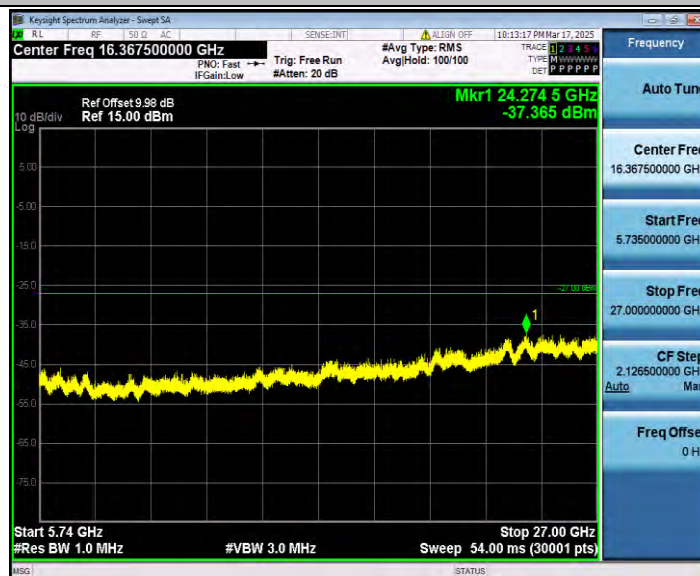
11N20SISO_Ant1_5500_5735~27000



11N20SISO_Ant1_5580_30~5460



11N20SISO_Ant1_5580_5735~27000



11N20SISO_Ant1_5700_30~5460



11N20SISO_Ant1_5700_5735~27000



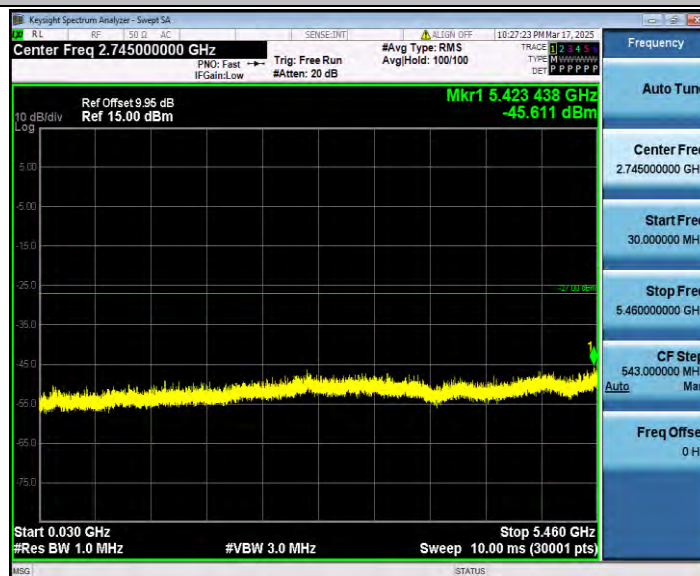
11N40SISO_Ant1_5510_30~5460



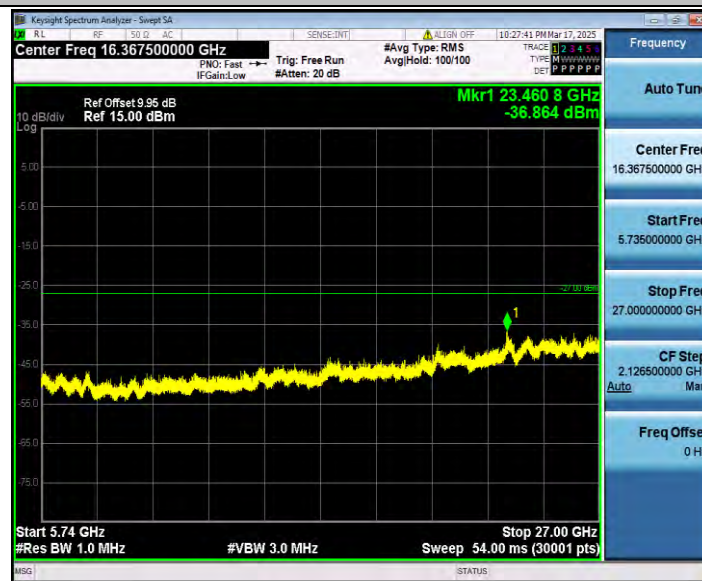
11N40SISO_Ant1_5510_5735~27000



11N40SISO_Ant1_5590_30~5460



11N40SISO_Ant1_5590_5735~27000



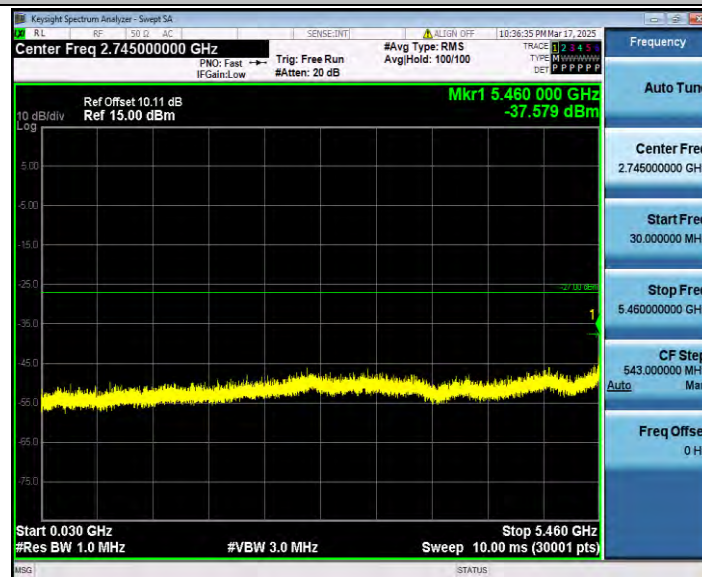
11N40SISO_Ant1_5670_30~5460



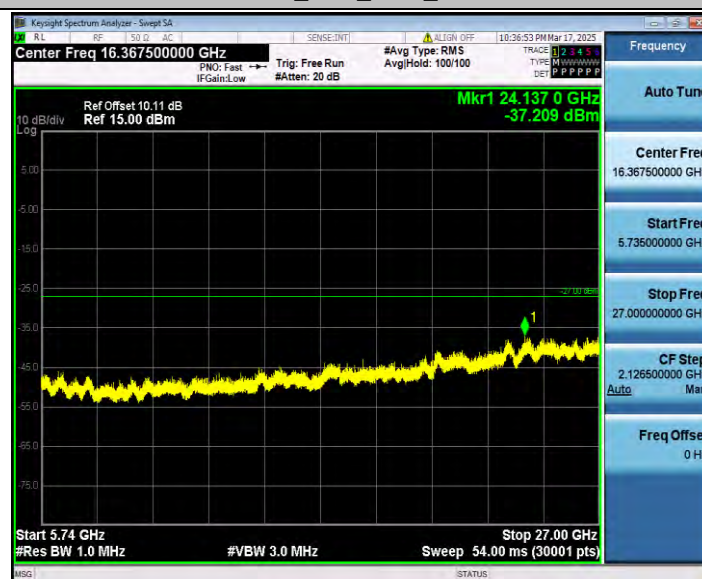
11N40SISO_Ant1_5670_5735~27000



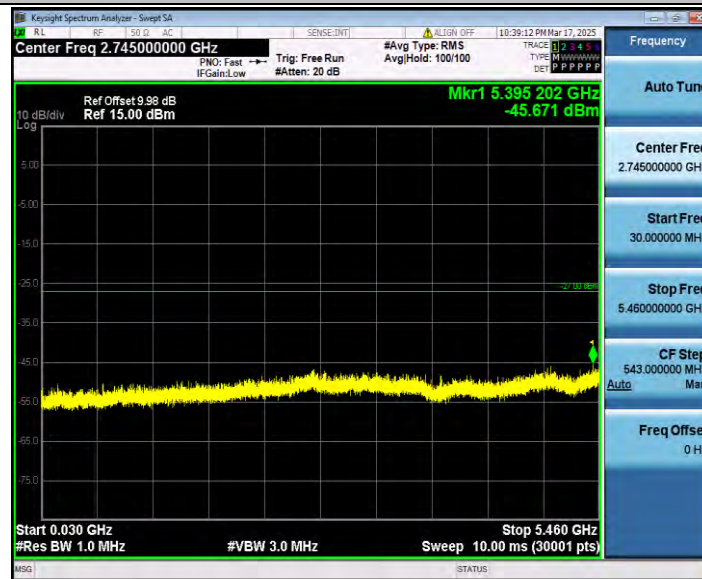
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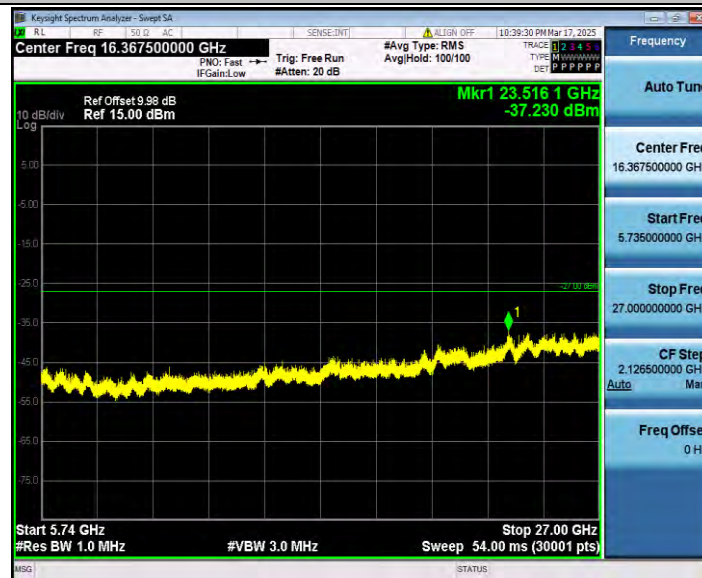
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11AC20SISO_Ant1_5580_30~5460



11AC20SISO_Ant1_5580_5735~27000



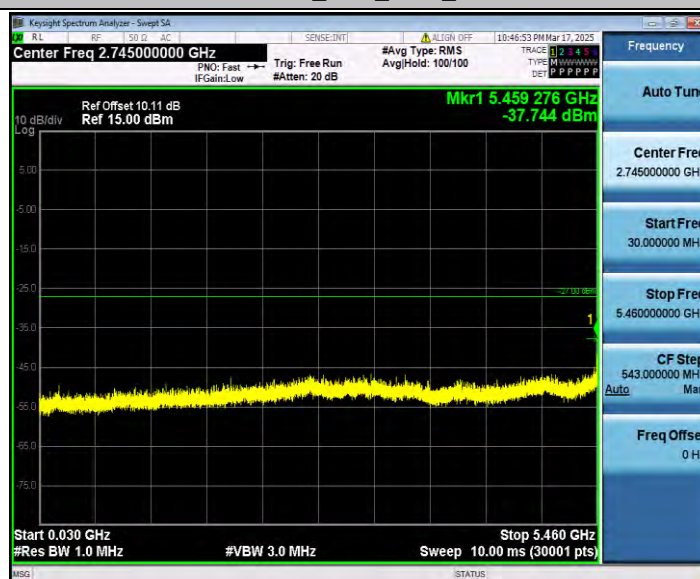
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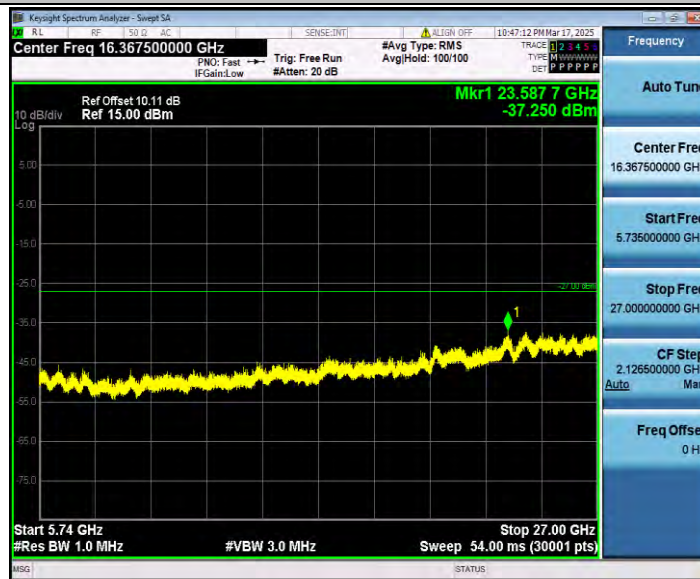
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11AC40SISO_Ant1_5510_30~5460



11AC40SISO_Ant1_5510_5735~27000



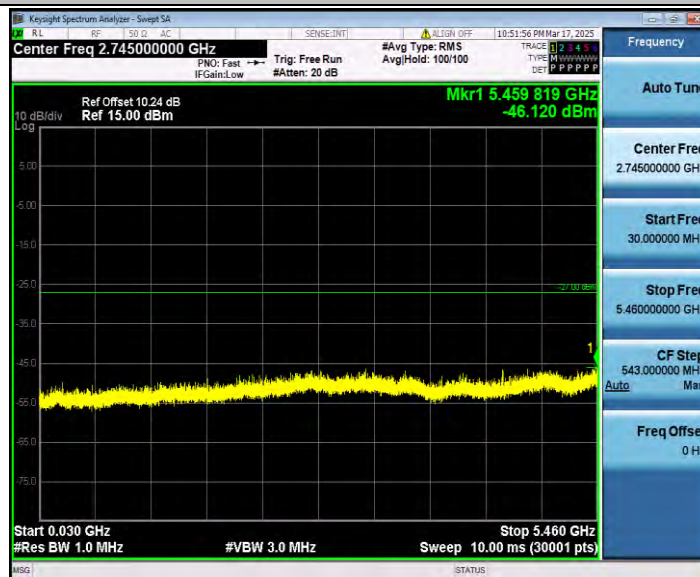
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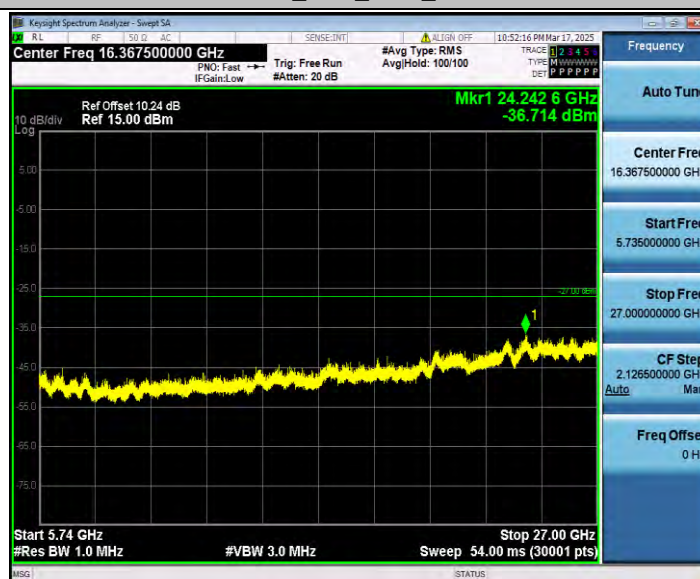
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11AC40SISO_Ant1_5670_30~5460

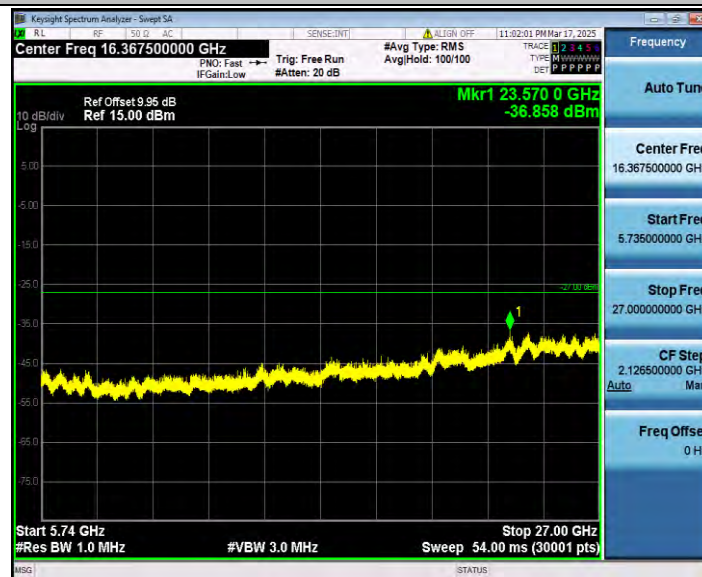


11AC40SISO_Ant1_5670_5735~27000

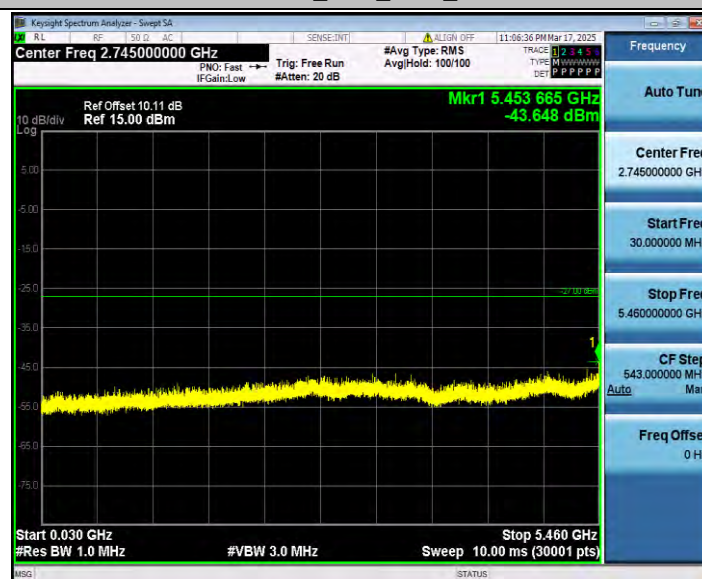




11AC80SISO_Ant1_5610_5735~27000



11AX20SISO_Ant1_5500_30~5460



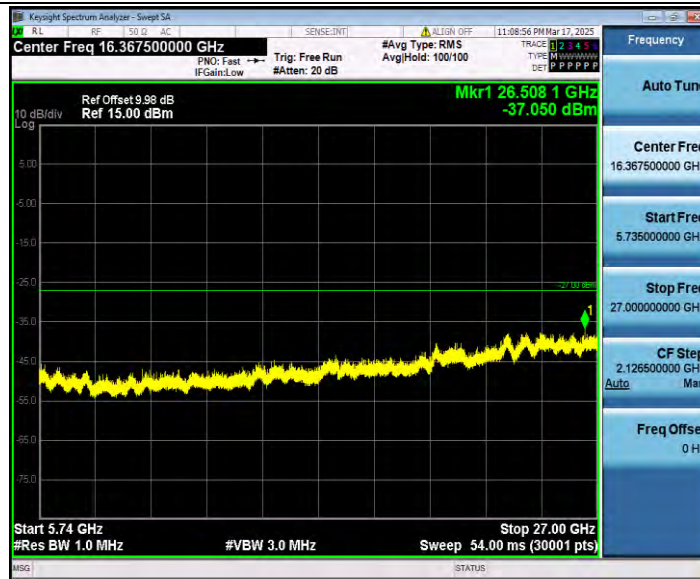
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11AX20SISO_Ant1_5580_30~5460



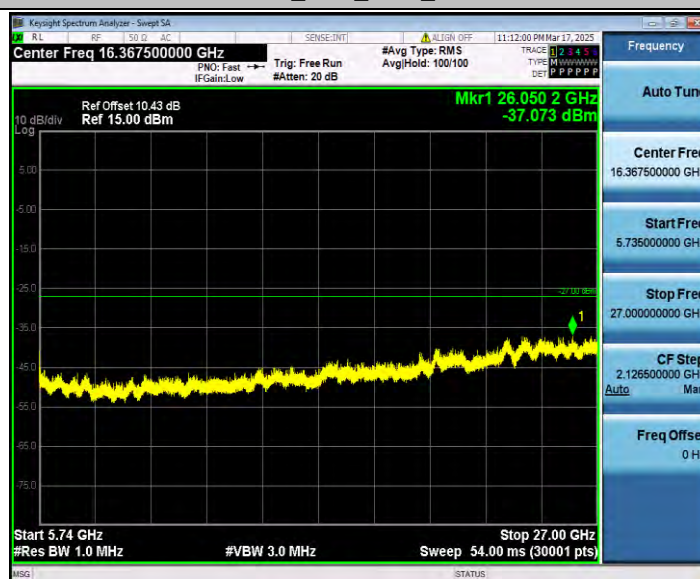
11AX20SISO_Ant1_5580_5735~27000



11AX20SISO_Ant1_5700_30~5460



11AX20SISO_Ant1_5700_5735~27000



11AX40SISO_Ant1_5510_30~5460



11AX40SISO_Ant1_5510_5735~27000



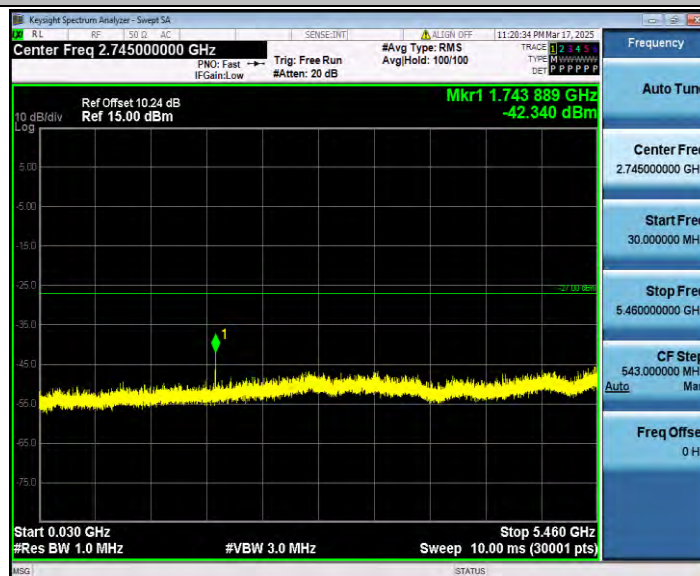
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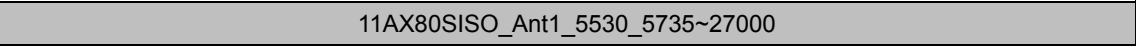
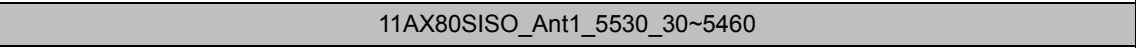


11AX40SISO_Ant1_5590_5735~27000



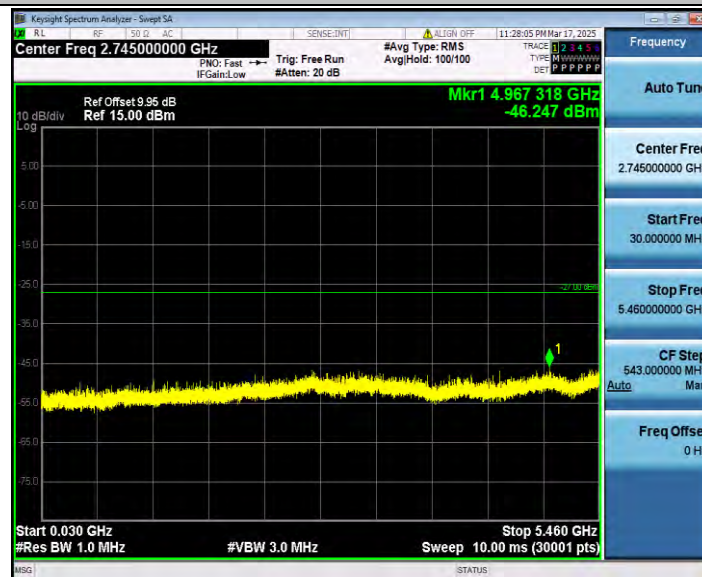
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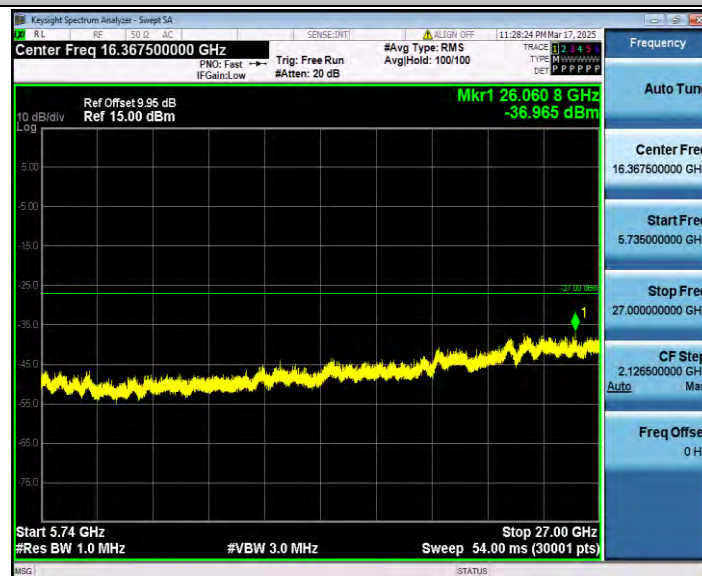




11AX80SISO_Ant1_5610_30~5460



11AX80SISO_Ant1_5610_5735~27000



Appendix F.8: Emissions in Restricted Bands

Test Result

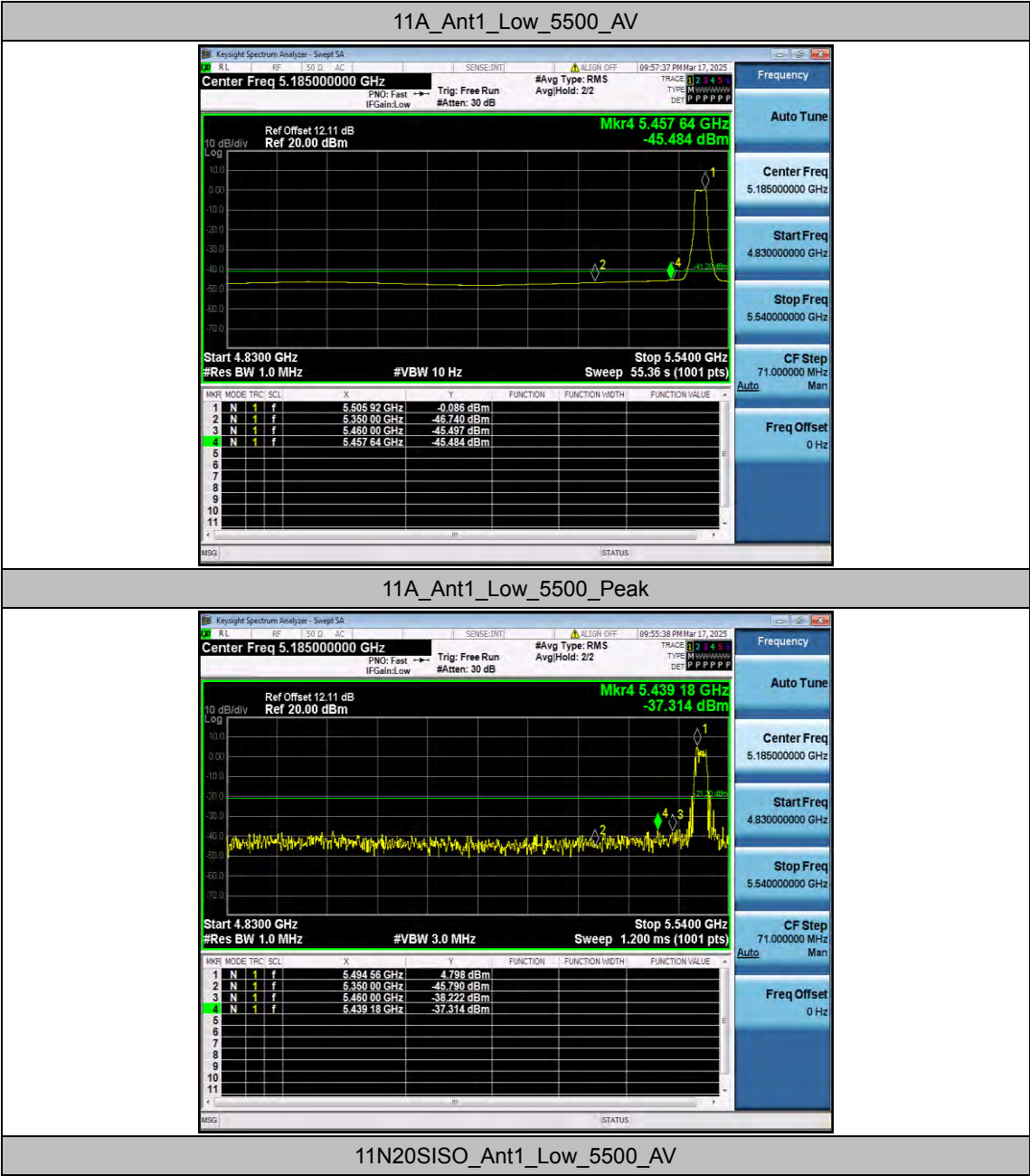
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5500	AV	5350.000	-46.74	≤-41.20	48.46	≤54	PASS
				AV	5457.640	-45.48	≤-41.20	49.72	≤54	PASS
				AV	5460.000	-45.5	≤-41.20	49.70	≤54	PASS
				Peak	5350.000	-45.79	≤-21.20	49.41	≤74	PASS
				Peak	5439.180	-37.31	≤-21.20	57.89	≤74	PASS
				Peak	5460.000	-38.22	≤-21.20	56.98	≤74	PASS
11N20SIS O	Ant1	Low	5500	AV	5350.000	-46.75	≤-41.20	48.45	≤54	PASS
				AV	5459.060	-45.42	≤-41.20	49.78	≤54	PASS
				AV	5460.000	-45.43	≤-41.20	49.77	≤54	PASS
				Peak	5350.000	-43.78	≤-21.20	51.42	≤74	PASS
				Peak	5417.880	-38.18	≤-21.20	57.02	≤74	PASS
				Peak	5460.000	-42.09	≤-21.20	53.11	≤74	PASS
11N40SIS O	Ant1	Low	5510	AV	5350.000	-46.77	≤-41.20	48.43	≤54	PASS
				AV	5459.830	-45.39	≤-41.20	49.81	≤54	PASS
				AV	5460.000	-45.39	≤-41.20	49.81	≤54	PASS
				Peak	5350.000	-42.34	≤-21.20	52.86	≤74	PASS
				Peak	5455.570	-37.59	≤-21.20	57.61	≤74	PASS
				Peak	5460.000	-42.38	≤-21.20	52.82	≤74	PASS
11AC20SI SO	Ant1	Low	5500	AV	5350.000	-46.78	≤-41.20	48.42	≤54	PASS
				AV	5459.060	-45.46	≤-41.20	49.74	≤54	PASS
				AV	5460.000	-45.48	≤-41.20	49.72	≤54	PASS
				Peak	5350.000	-41.25	≤-21.20	53.95	≤74	PASS
				Peak	5454.800	-37.45	≤-21.20	57.75	≤74	PASS
				Peak	5460.000	-44.32	≤-21.20	50.88	≤74	PASS
11AC40SI SO	Ant1	Low	5510	AV	5350.000	-46.77	≤-41.20	48.43	≤54	PASS
				AV	5459.830	-45.27	≤-41.20	49.93	≤54	PASS
				AV	5460.000	-45.27	≤-41.20	49.93	≤54	PASS
				Peak	5350.000	-41.62	≤-21.20	53.58	≤74	PASS
				Peak	5376.760	-38.52	≤-21.20	56.68	≤74	PASS
				Peak	5460.000	-41.97	≤-21.20	53.23	≤74	PASS
11AC80SI SO	Ant1	Low	5530	AV	5350.000	-46.77	≤-41.20	48.43	≤54	PASS
				AV	5452.140	-44.61	≤-41.20	50.59	≤54	PASS
				AV	5460.000	-44.71	≤-41.20	50.49	≤54	PASS
				Peak	5350.000	-40.58	≤-21.20	54.62	≤74	PASS
				Peak	5438.650	-36.35	≤-21.20	58.85	≤74	PASS
				Peak	5460.000	-42.43	≤-21.20	52.77	≤74	PASS

11AX20SI SO	Ant1	Low	5500	AV	5350.000	-46.78	≤ -41.20	48.42	≤ 54	PASS
				AV	5459.770	-45.54	≤ -41.20	49.66	≤ 54	PASS
				AV	5460.000	-45.54	≤ -41.20	49.66	≤ 54	PASS
				Peak	5350.000	-42.43	≤ -21.20	52.77	≤ 74	PASS
				Peak	5428.530	-37.8	≤ -21.20	57.40	≤ 74	PASS
				Peak	5460.000	-39.72	≤ -21.20	55.48	≤ 74	PASS
11AX40SI SO	Ant1	Low	5510	AV	5350.000	-1000	≤ -41.20	-904.80	≤ 54	PASS
				AV	5350.490	-1000	≤ -41.20	-904.80	≤ 54	PASS
				AV	5460.000	-1000	≤ -41.20	-904.80	≤ 54	PASS
				Peak	5350.000	-45.79	≤ -21.20	49.41	≤ 74	PASS
				Peak	5456.280	-35.86	≤ -21.20	59.34	≤ 74	PASS
				Peak	5460.000	-41.07	≤ -21.20	54.13	≤ 74	PASS
11AX80SI SO	Ant1	Low	5530	AV	5350.000	-46.77	≤ -41.20	48.43	≤ 54	PASS
				AV	5454.980	-44.62	≤ -41.20	50.58	≤ 54	PASS
				AV	5460.000	-44.69	≤ -41.20	50.51	≤ 54	PASS
				Peak	5350.000	-43.59	≤ -21.20	51.61	≤ 74	PASS
				Peak	5427.290	-36.92	≤ -21.20	58.28	≤ 74	PASS
				Peak	5460.000	-43.45	≤ -21.20	51.75	≤ 74	PASS

Note:

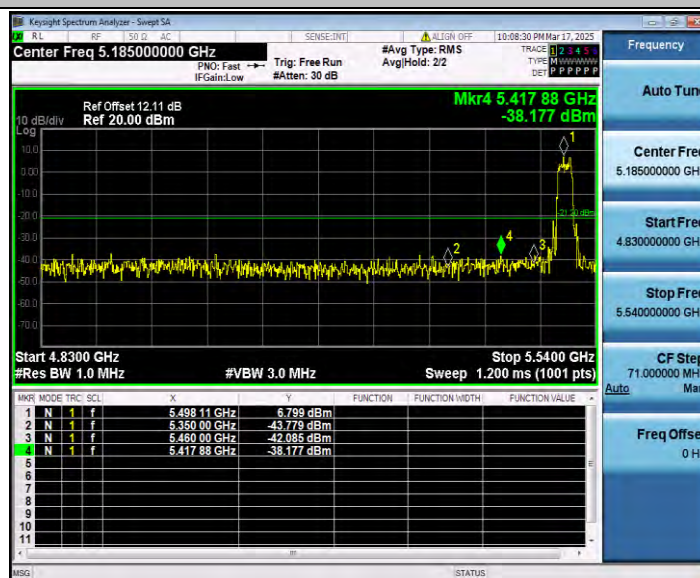
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs





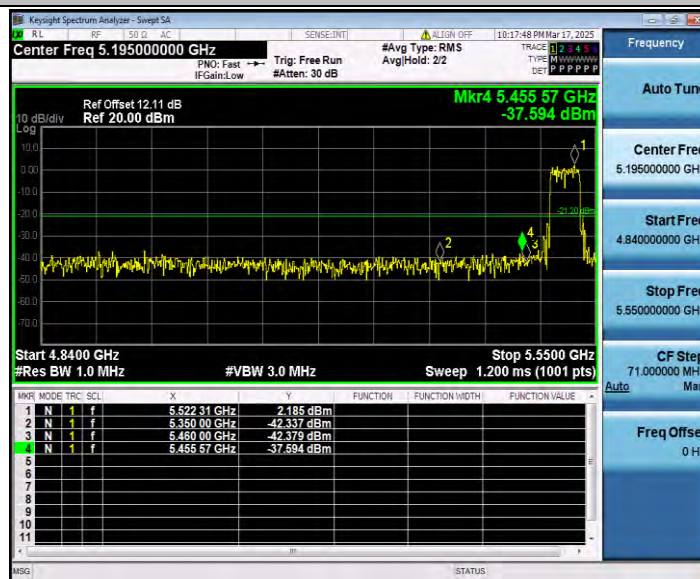
11N20SISO_Ant1_Low_5500_Peak



11N40SISO_Ant1_Low_5510_AV



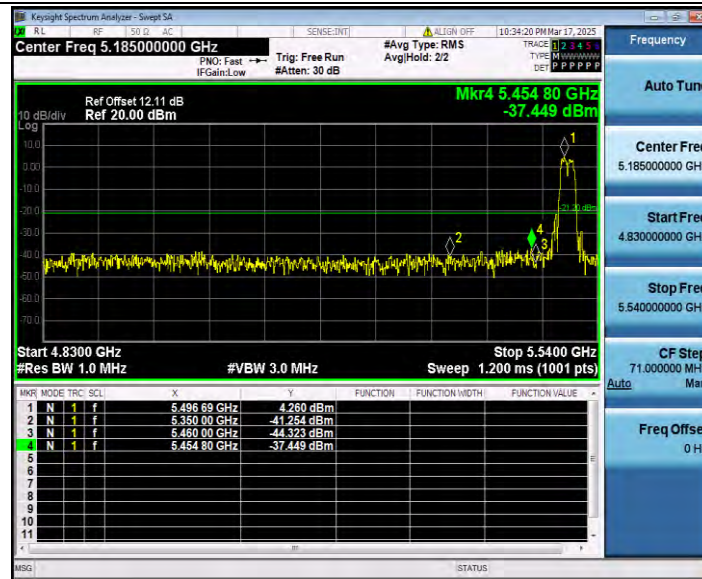
11N40SISO_Ant1_Low_5510_Peak



11AC20SISO_Ant1_Low_5500_AV



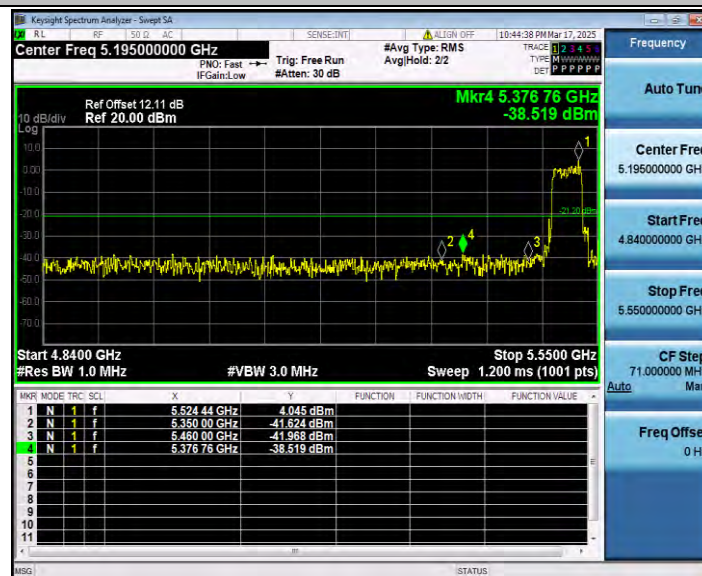
11AC20SISO_Ant1_Low_5500_Peak



11AC40SISO_Ant1_Low_5510_AV



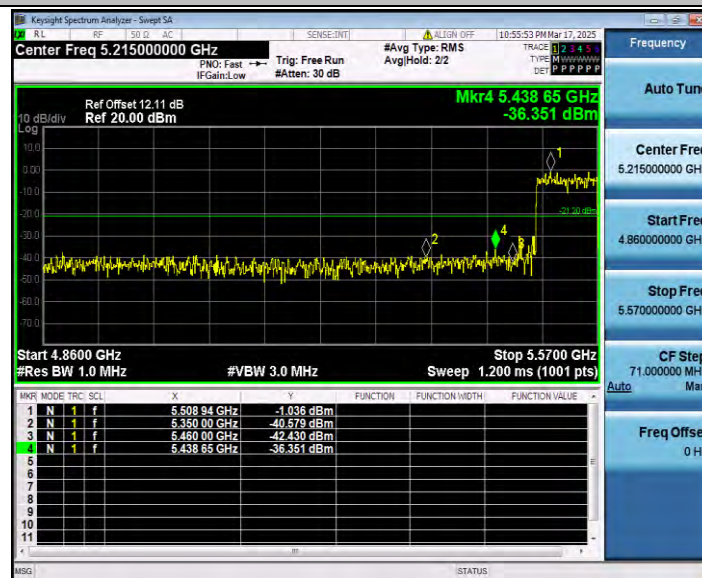
11AC40SISO_Ant1_Low_5510_Peak



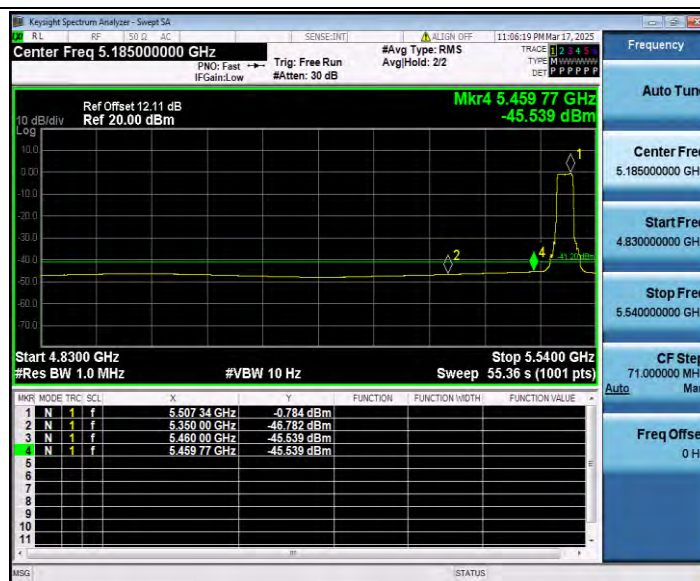
11AC80SISO_Ant1_Low_5530_AV



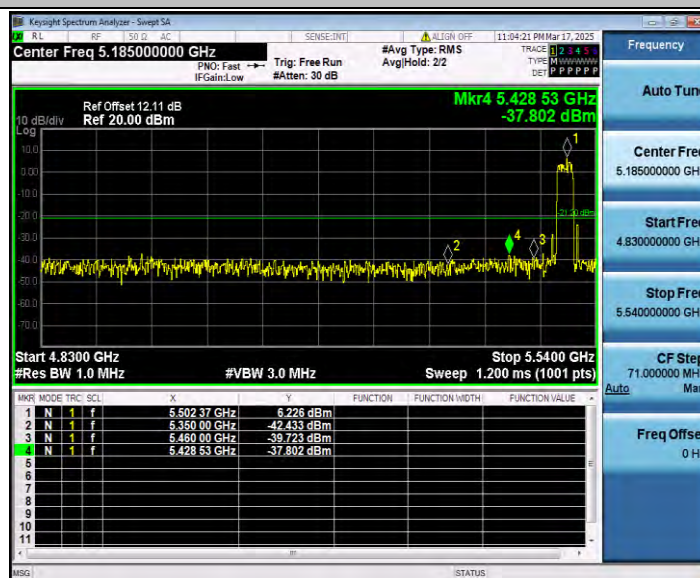
11AC80SISO_Ant1_Low_5530_Peak



11AX20SISO_Ant1_Low_5500_AV



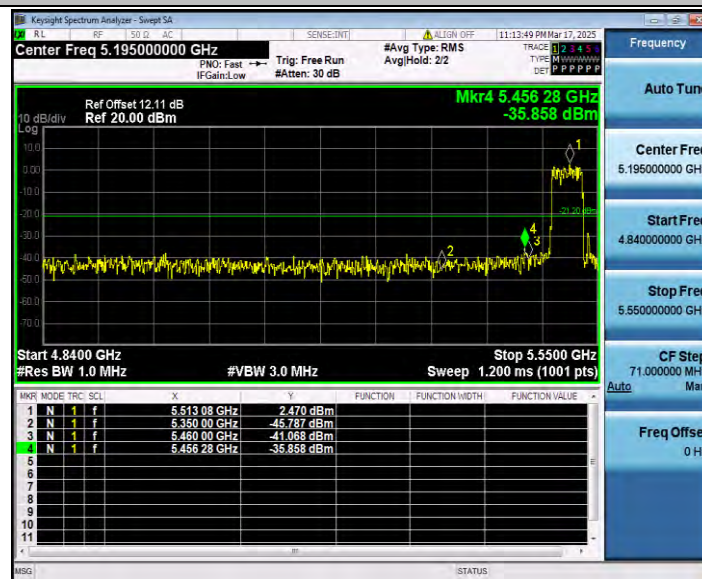
11AX20SISO_Ant1_Low_5500_Peak



11AX40SISO_Ant1_Low_5510_AV



11AX40SISO_Ant1_Low_5510_Peak



11AX80SISO_Ant1_Low_5530_AV



11AX80SISO_Ant1_Low_5530_Peak

