

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	11.38	66.56	1.77	13.15	≤23.98	PASS
		5580	12.07	66.56	1.77	13.84	≤23.98	PASS
		5700	13.02	66.56	1.77	14.79	≤23.98	PASS
11N20SISO	Ant1	5500	11.64	64.95	1.87	13.51	≤23.98	PASS
		5580	11.94	65.07	1.87	13.81	≤23.98	PASS
		5700	12.68	64.95	1.87	14.55	≤23.98	PASS
11N40SISO	Ant1	5510	10.02	47.69	3.22	13.24	≤23.98	PASS
		5590	10.44	47.96	3.19	13.63	≤23.98	PASS
		5670	10.85	47.45	3.24	14.09	≤23.98	PASS
11AC20SISO	Ant1	5500	11.77	65.07	1.87	13.64	≤23.98	PASS
		5580	11.58	65.07	1.87	13.45	≤23.98	PASS
		5700	12.51	65.07	1.87	14.38	≤23.98	PASS
11AC40SISO	Ant1	5510	9.38	47.96	3.19	12.57	≤23.98	PASS
		5590	10.29	47.96	3.19	13.48	≤23.98	PASS
		5670	10.68	47.69	3.22	13.90	≤23.98	PASS
11AC80SISO	Ant1	5530	7.89	30.61	5.14	13.03	≤23.98	PASS
		5610	8.87	30.61	5.14	14.01	≤23.98	PASS
11AX20SISO	Ant1	5500	10.86	58.47	2.33	13.19	≤23.98	PASS
		5580	11.58	58.87	2.30	13.88	≤23.98	PASS
		5700	12.37	58.87	2.30	14.67	≤23.98	PASS
11AX40SISO	Ant1	5510	8.86	42.70	3.70	12.56	≤23.98	PASS
		5590	9.71	42.70	3.70	13.41	≤23.98	PASS
		5670	10.16	42.70	3.70	13.86	≤23.98	PASS
11AX80SISO	Ant1	5530	8.26	27.66	5.58	13.84	≤23.98	PASS
		5610	8.44	28.17	5.50	13.94	≤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	2.88	≤11.00	PASS
		5580	3.56	≤11.00	PASS
		5700	4.57	≤11.00	PASS
11N20SISO	Ant1	5500	2.63	≤11.00	PASS
		5580	3.39	≤11.00	PASS
		5700	4.40	≤11.00	PASS
11N40SISO	Ant1	5510	1.07	≤11.00	PASS
		5590	1.98	≤11.00	PASS
		5670	1.83	≤11.00	PASS
11AC20SISO	Ant1	5500	2.63	≤11.00	PASS
		5580	3.20	≤11.00	PASS
		5700	4.26	≤11.00	PASS
11AC40SISO	Ant1	5510	0.94	≤11.00	PASS
		5590	1.87	≤11.00	PASS
		5670	1.87	≤11.00	PASS
11AC80SISO	Ant1	5530	-1.72	≤11.00	PASS
		5610	-1.53	≤11.00	PASS
11AX20SISO	Ant1	5500	2.56	≤11.00	PASS
		5580	3.59	≤11.00	PASS
		5700	4.48	≤11.00	PASS
11AX40SISO	Ant1	5510	0.41	≤11.00	PASS
		5590	1.28	≤11.00	PASS
		5670	1.25	≤11.00	PASS
11AX80SISO	Ant1	5530	-2.25	≤11.00	PASS
		5610	-1.68	≤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



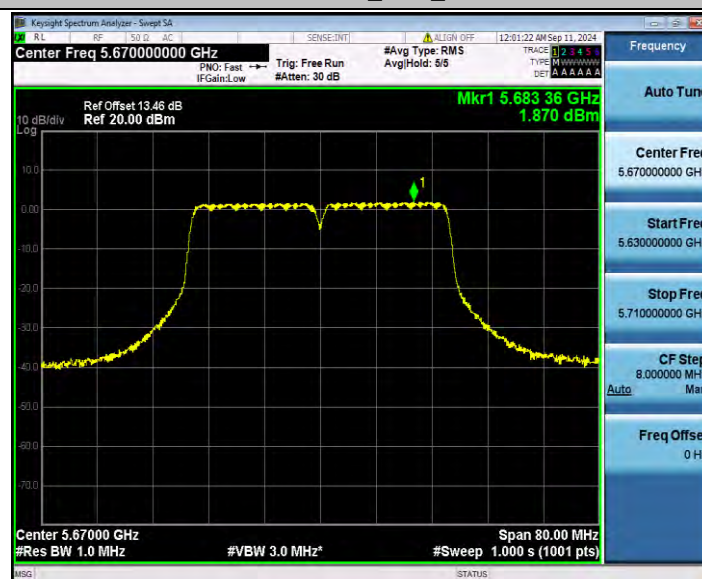
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11AC40SISO_Ant1_5590



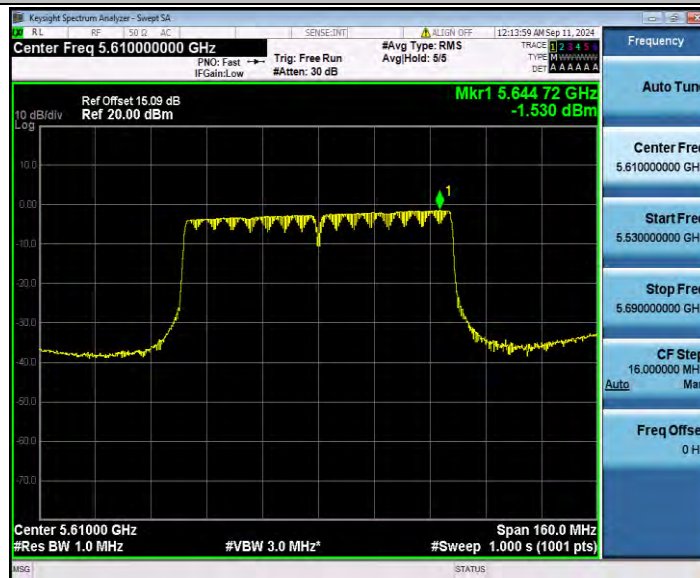
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11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



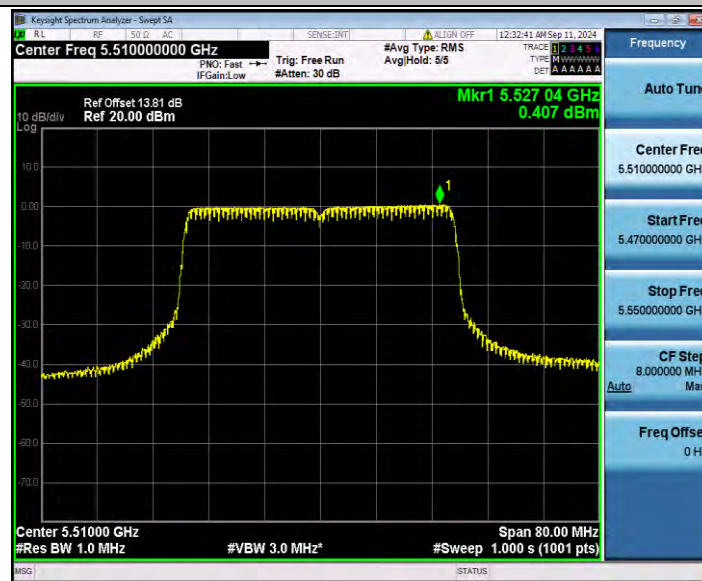
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11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610

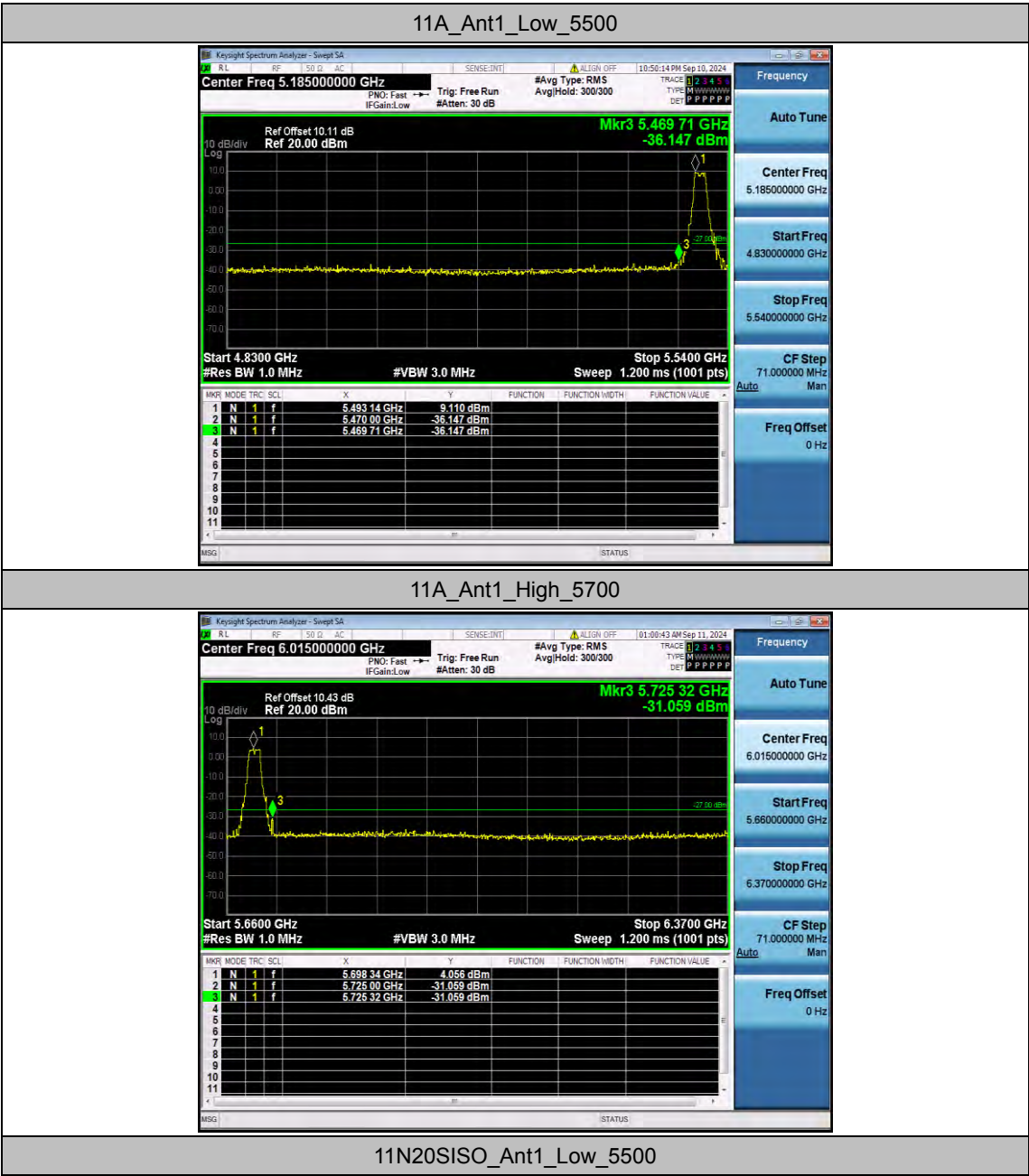


Appendix F.6: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-36.15	≤ -27	PASS
		High	5700	-31.06	≤ -27	PASS
11N20SISO	Ant1	Low	5500	-32.05	≤ -27	PASS
		High	5700	-34.69	≤ -27	PASS
11N40SISO	Ant1	Low	5510	-28.52	≤ -27	PASS
		High	5670	-31.51	≤ -27	PASS
11AC20SISO	Ant1	Low	5500	-33.15	≤ -27	PASS
		High	5700	-36.16	≤ -27	PASS
11AC40SISO	Ant1	Low	5510	-28.06	≤ -27	PASS
		High	5670	-28.38	≤ -27	PASS
11AC80SISO	Ant1	Low	5530	-27.59	≤ -27	PASS
		High	5610	-31.74	≤ -27	PASS
11AX20SISO	Ant1	Low	5500	-32.62	≤ -27	PASS
		High	5700	-35.08	≤ -27	PASS
11AX40SISO	Ant1	Low	5510	-31.41	≤ -27	PASS
		High	5670	-29.22	≤ -27	PASS
11AX80SISO	Ant1	Low	5530	-28.97	≤ -27	PASS
		High	5610	-32.75	≤ -27	PASS

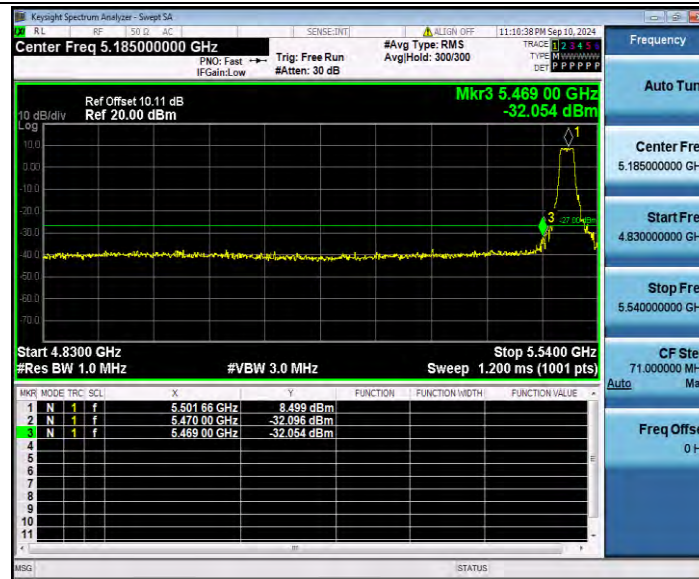
Test Graphs B1



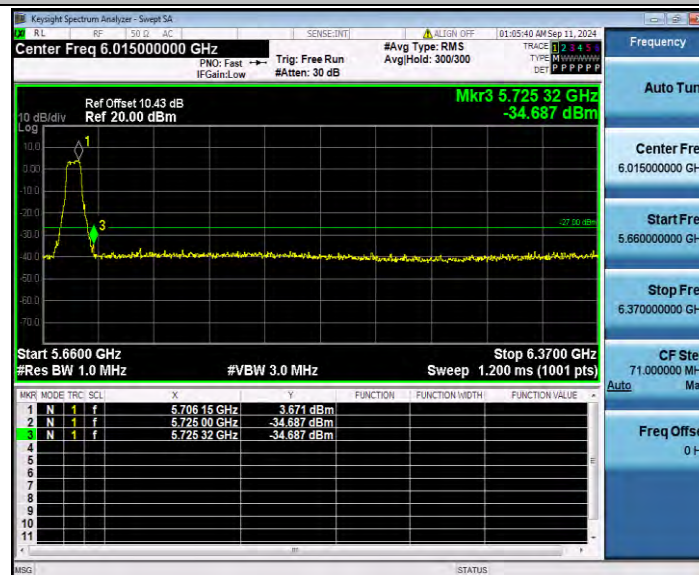
11A_Ant1_High_5700

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Start Freq 5.660000000 GHz
Stop Freq 6.370000000 GHz
CF Step 71.000000 MHz
Man
Freq Offset 0 Hz

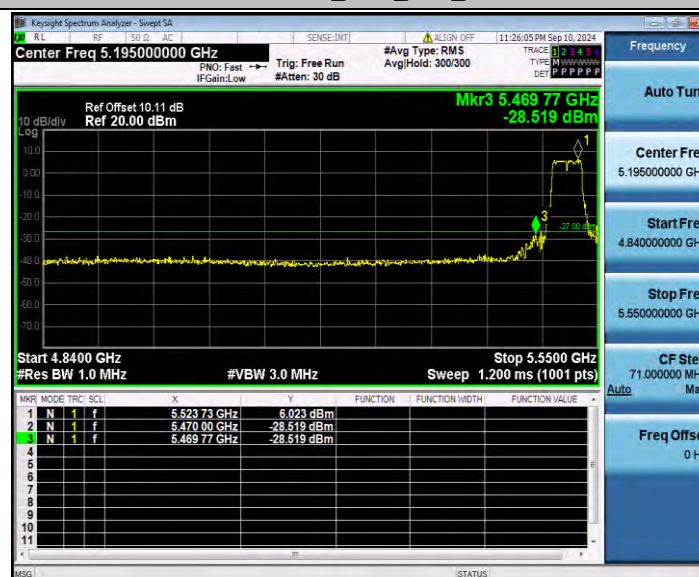
11N20SISO_Ant1_Low_5500



11N20SISO_Ant1_High_5700



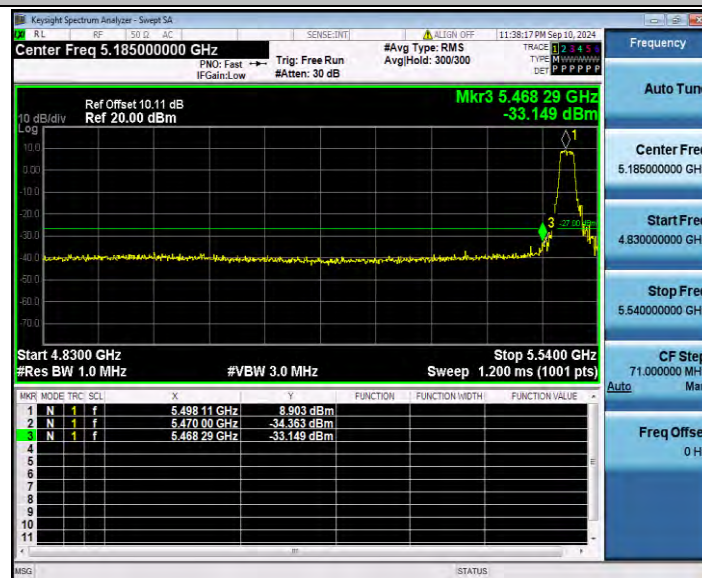
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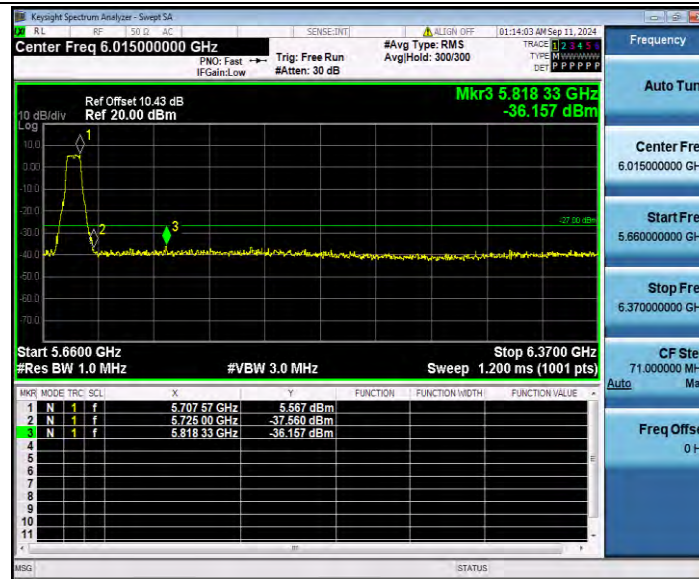
11N40SISO_Ant1_High_5670



11AC20SISO_Ant1_Low_5500



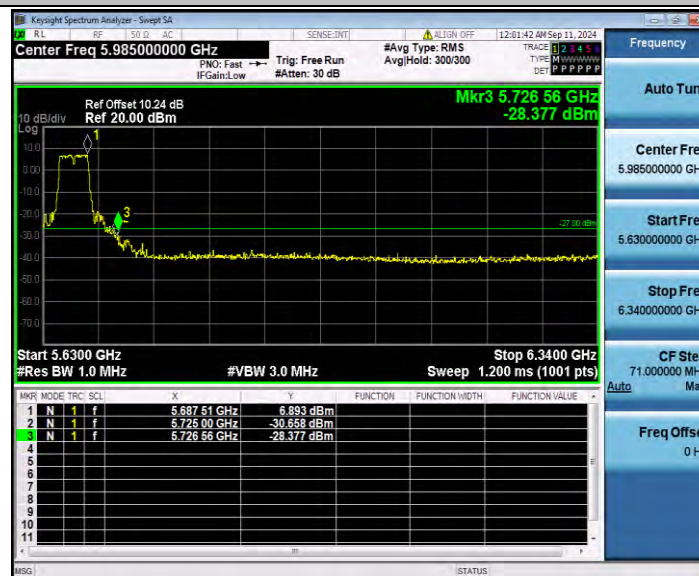
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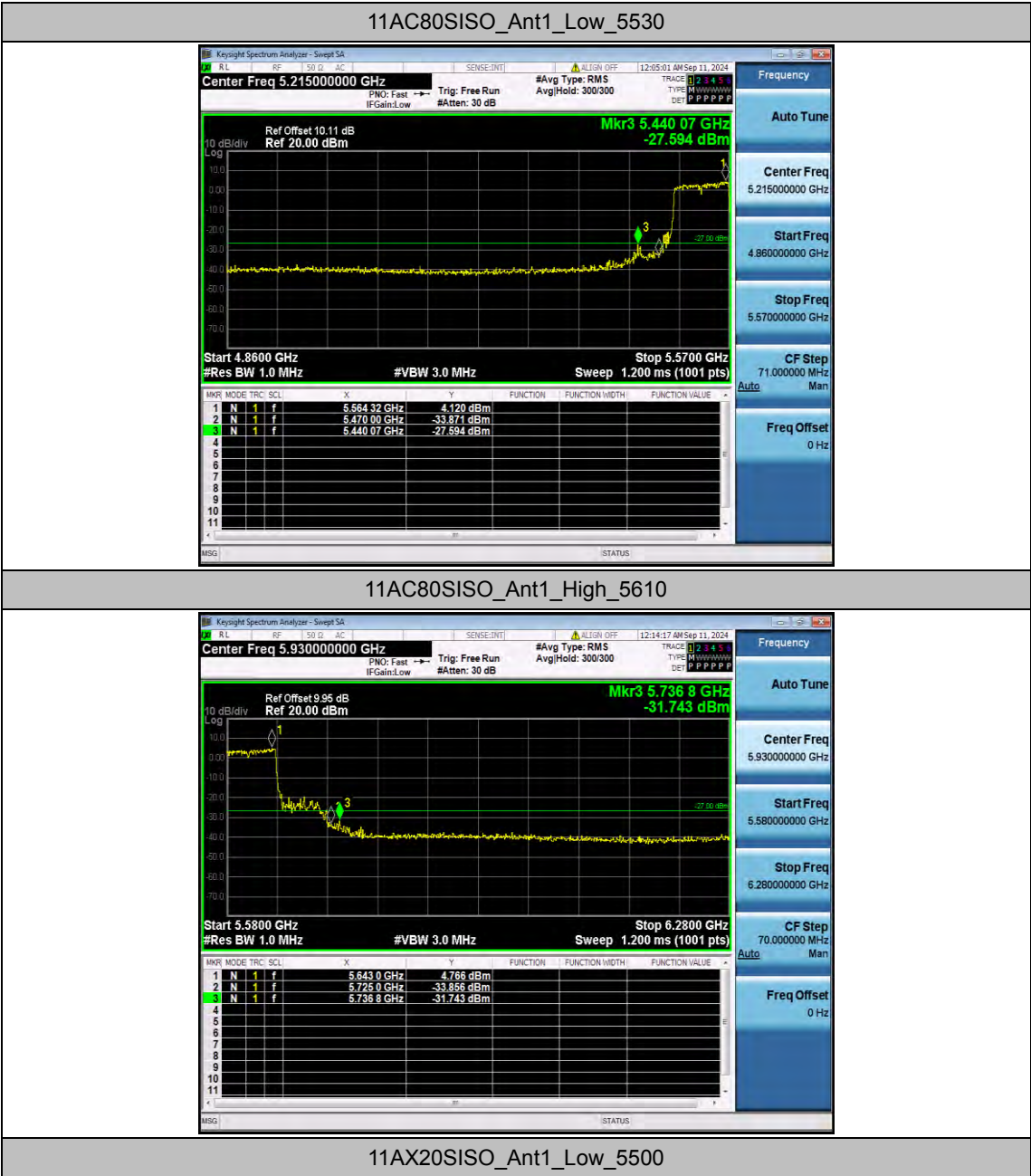


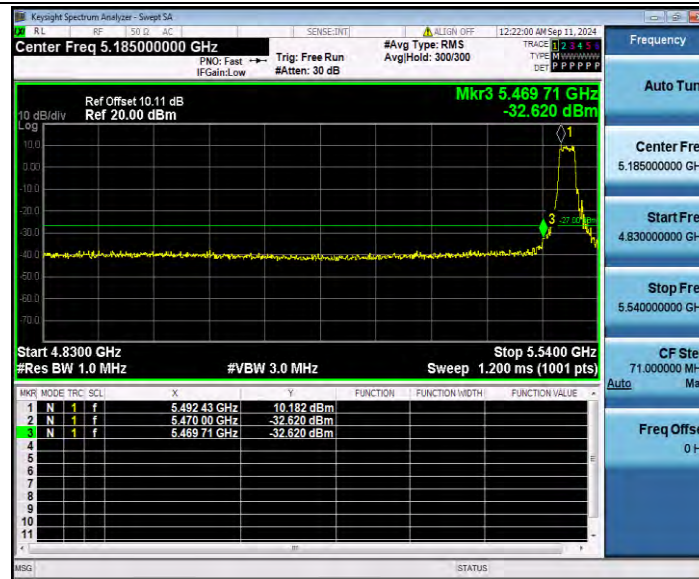
11AC40SISO_Ant1_Low_5510



11AC40SISO_Ant1_High_5670



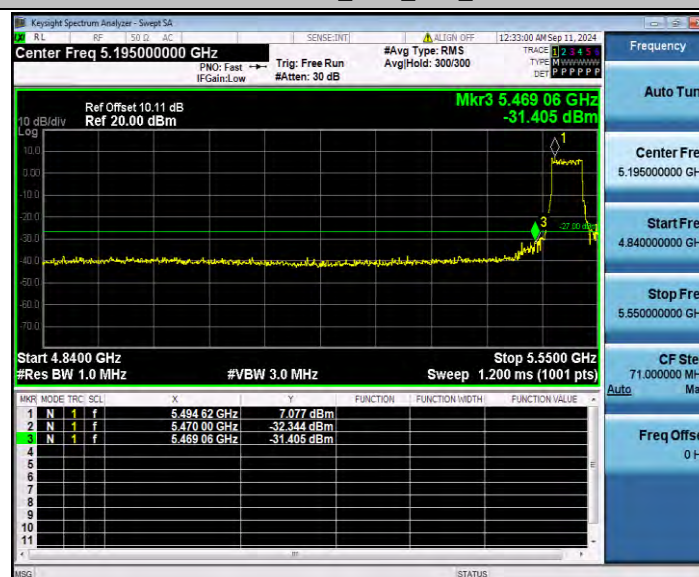




11AX20SISO_Ant1_High_5700



11AX40SISO_Ant1_Low_5510



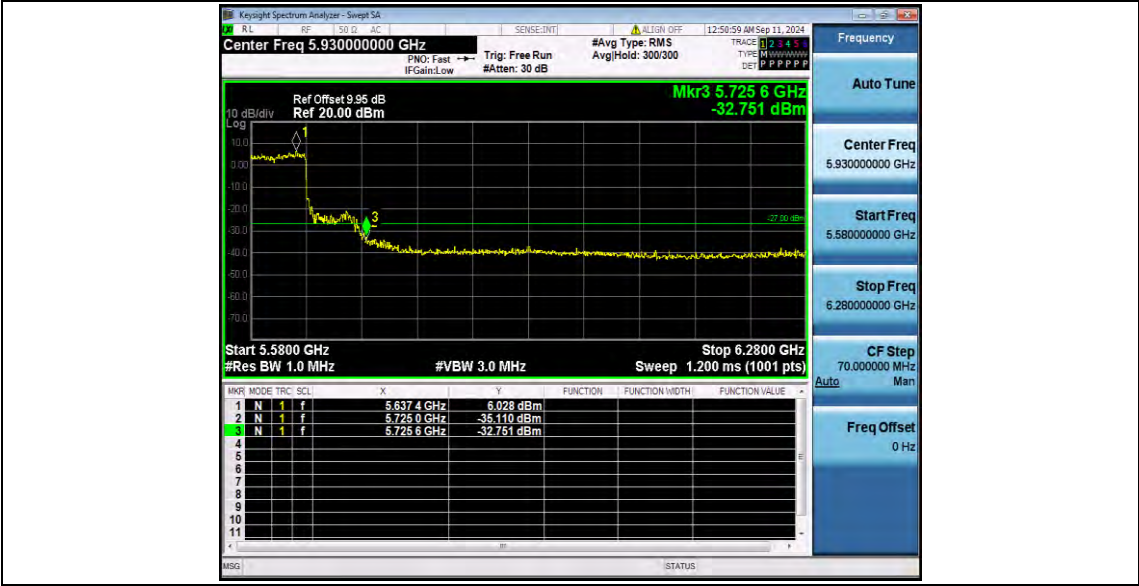
11AX40SISO_Ant1_High_5670



11AX80SISO_Ant1_Low_5530



11AX80SISO_Ant1_High_5610



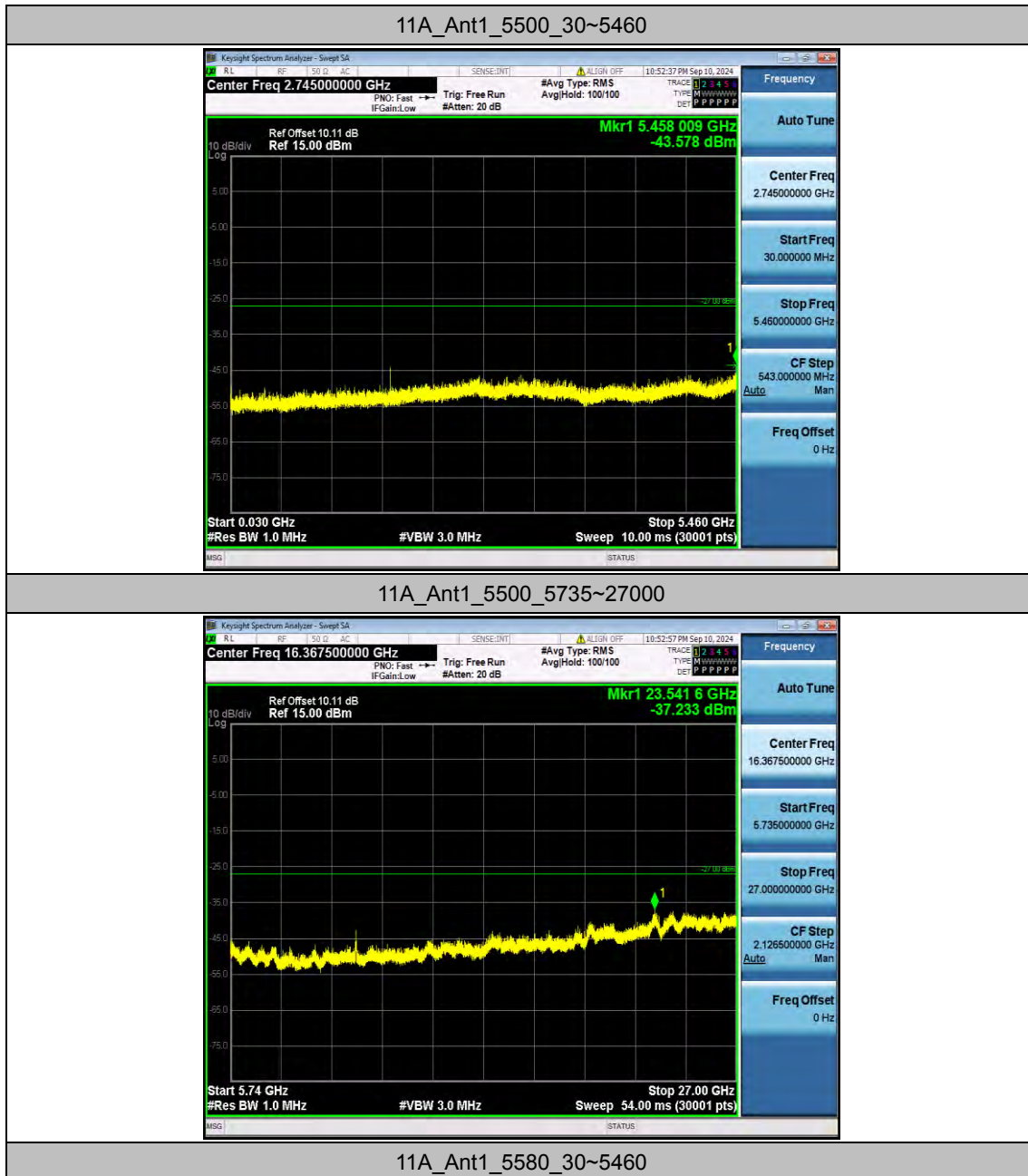
Appendix F.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	5458.01	-43.58	≤-27	PASS
			5735~27000	23541.6	-37.23	≤-27	PASS
		5580	30~5460	2649.07	-46.22	≤-27	PASS
			5735~27000	24923.83	-37.41	≤-27	PASS
		5700	30~5460	2704.09	-46.08	≤-27	PASS
			5735~27000	5739.25	-28.27	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5449.86	-39.18	≤-27	PASS
			5735~27000	26644.17	-36.89	≤-27	PASS
		5580	30~5460	3317.87	-46.79	≤-27	PASS
			5735~27000	23524.59	-36.8	≤-27	PASS
		5700	30~5460	5007.32	-46.51	≤-27	PASS
			5735~27000	5746.34	-30.35	≤-27	PASS
11N40SISO	Ant1	5510	30~5460	5458.55	-34.75	≤-27	PASS
			5735~27000	26833.42	-36.73	≤-27	PASS
		5590	30~5460	3498.87	-44.45	≤-27	PASS
			5735~27000	26584.62	-37.01	≤-27	PASS
		5670	30~5460	5457.29	-46.13	≤-27	PASS
			5735~27000	5735.71	-29.91	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	5455.29	-39.36	≤-27	PASS
			5735~27000	26731.35	-37.57	≤-27	PASS
		5580	30~5460	1737.37	-34.51	≤-27	PASS
			5735~27000	25627.7	-37.17	≤-27	PASS
		5700	30~5460	5432.85	-46.19	≤-27	PASS
			5735~27000	5735	-30	≤-27	PASS
11AC40SISO	Ant1	5510	30~5460	5458.37	-34.9	≤-27	PASS
			5735~27000	23552.23	-37.37	≤-27	PASS
		5590	30~5460	5454.75	-45.33	≤-27	PASS
			5735~27000	24251.85	-37.28	≤-27	PASS
		5670	30~5460	2639.66	-45.67	≤-27	PASS
			5735~27000	5737.84	-32.9	≤-27	PASS
11AC80SISO	Ant1	5530	30~5460	5457.65	-32.87	≤-27	PASS
			5735~27000	26914.23	-37.03	≤-27	PASS
		5610	30~5460	5437.74	-40.7	≤-27	PASS
			5735~27000	5740.67	-32.65	≤-27	PASS
11AX20SISO	Ant1	5500	30~5460	5455.48	-40.31	≤-27	PASS
			5735~27000	23540.18	-36.86	≤-27	PASS

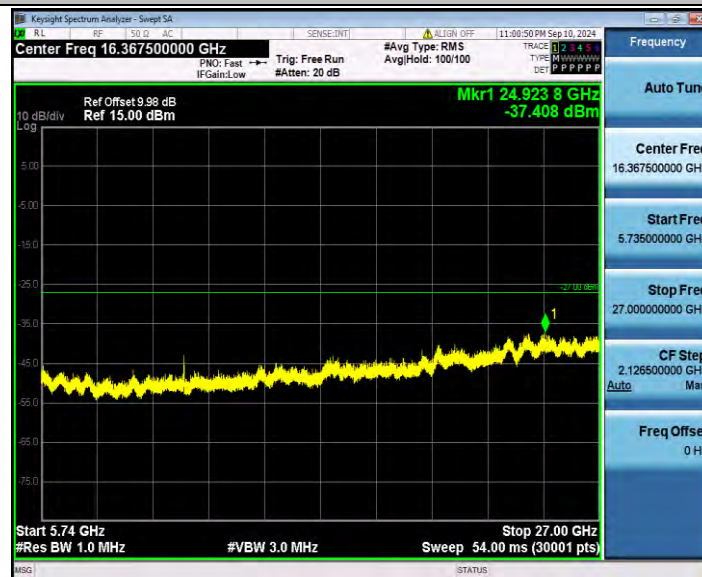
		5580	30~5460	5368.78	-46.02	≤ -27	PASS
			5735~27000	25636.91	-36.67	≤ -27	PASS
		5700	30~5460	2654.14	-44.57	≤ -27	PASS
			5735~27000	5737.84	-29.23	≤ -27	PASS
11AX40SISO	Ant1	5510	30~5460	5458.73	-35.46	≤ -27	PASS
			5735~27000	23545.15	-36.44	≤ -27	PASS
		5590	30~5460	2653.41	-46.66	≤ -27	PASS
			5735~27000	26901.47	-36.78	≤ -27	PASS
		5670	30~5460	3248.54	-46.61	≤ -27	PASS
			5735~27000	5737.13	-32.07	≤ -27	PASS
11AX80SISO	Ant1	5530	30~5460	5439.19	-31	≤ -27	PASS
			5735~27000	24270.28	-36.97	≤ -27	PASS
		5610	30~5460	5450.59	-41.05	≤ -27	PASS
			5735~27000	5735.71	-33.15	≤ -27	PASS

Test Graphs

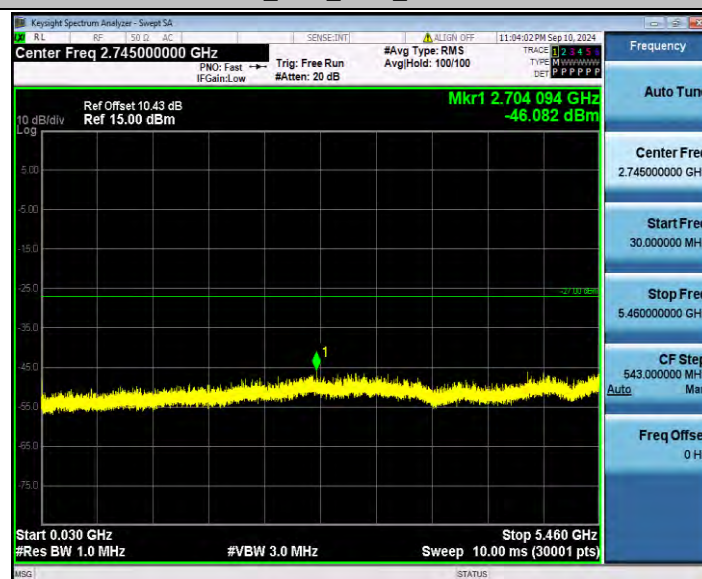




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11A_Ant1_5700_30~5460



11A_Ant1_5700_5735~27000



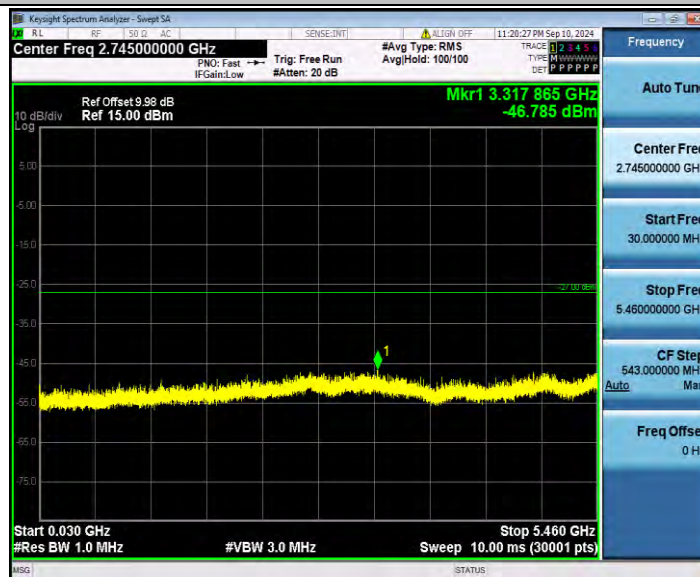
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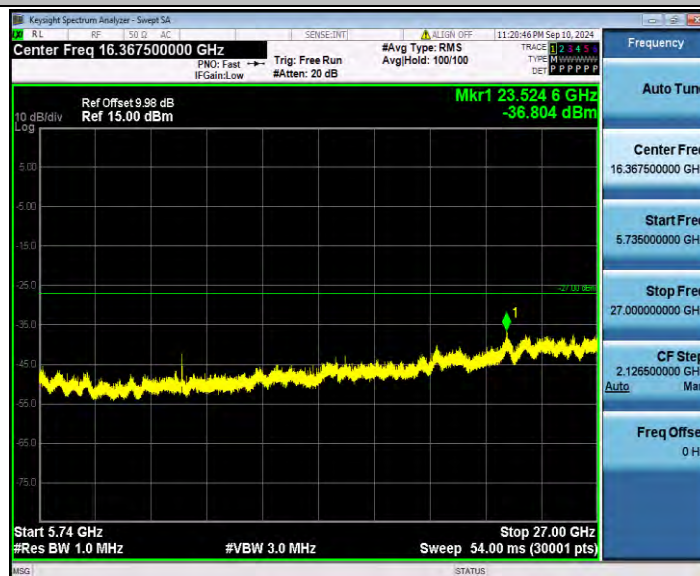
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11N20SISO_Ant1_5580_30~5460



11N20SISO_Ant1_5580_5735~27000



11N20SISO_Ant1_5700_30~5460



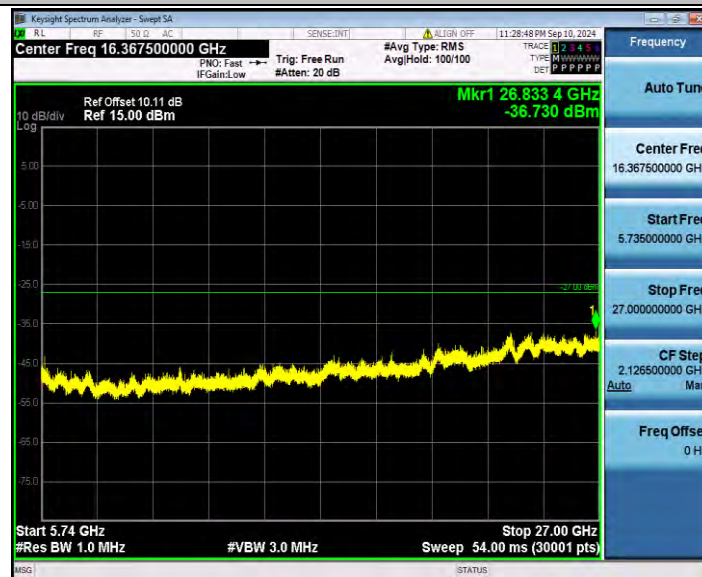
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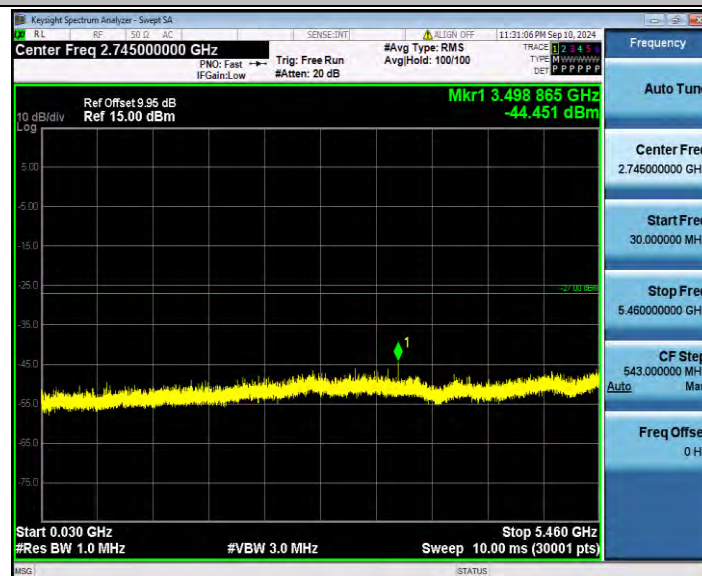
11N40SISO_Ant1_5510_30~5460



11N40SISO_Ant1_5510_5735~27000



11N40SISO_Ant1_5590_30~5460



11N40SISO_Ant1_5590_5735~27000



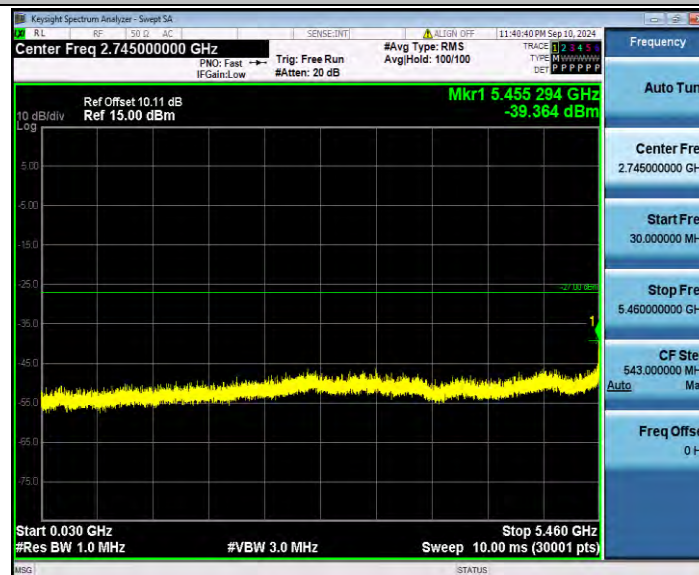
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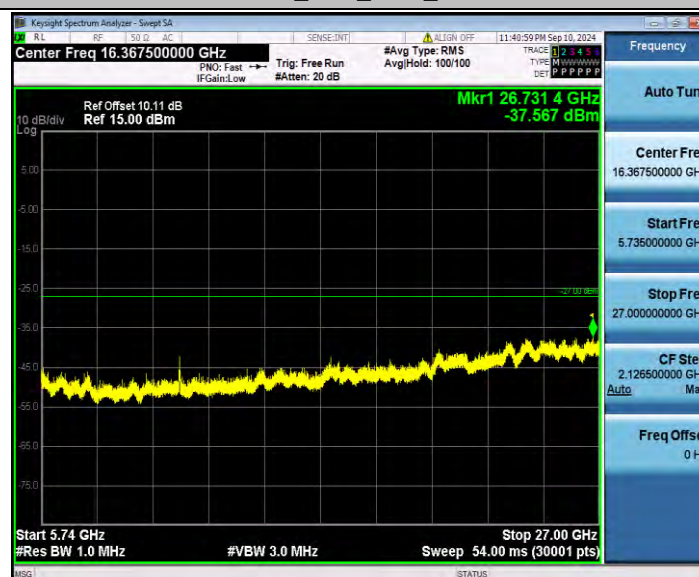
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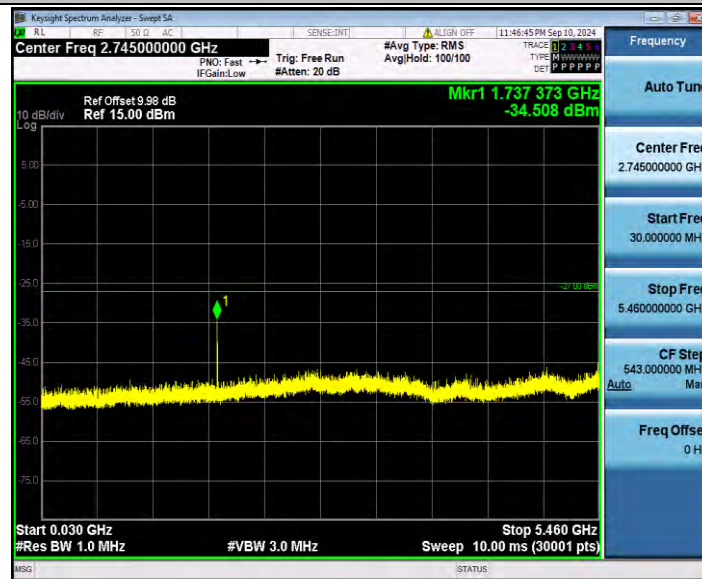
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11AC20SISO_Ant1_5500_5735~27000



11AC20SISO_Ant1_5580_30~5460



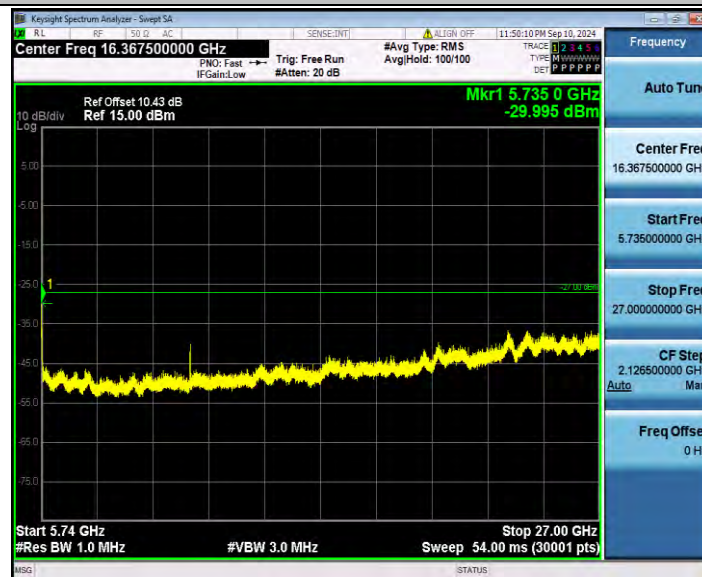
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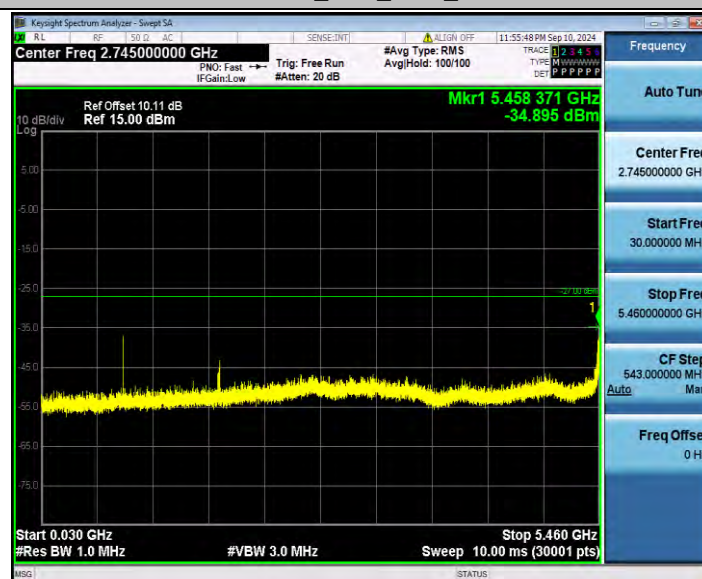
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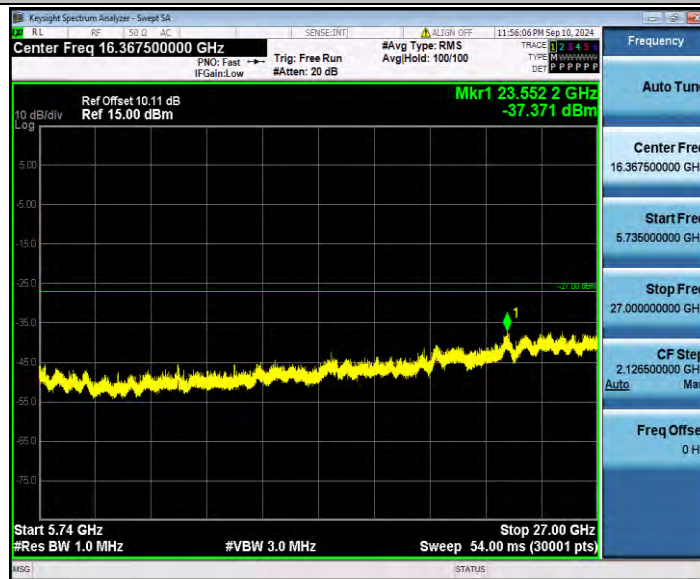
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11AC40SISO_Ant1_5510_30~5460



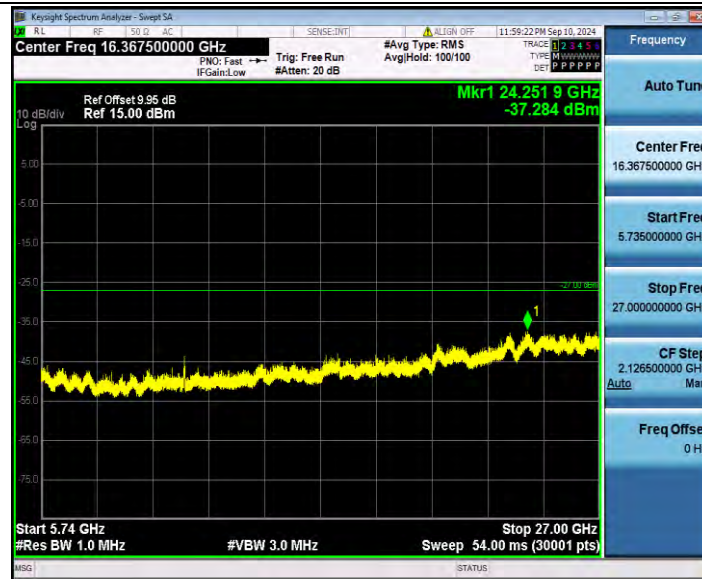
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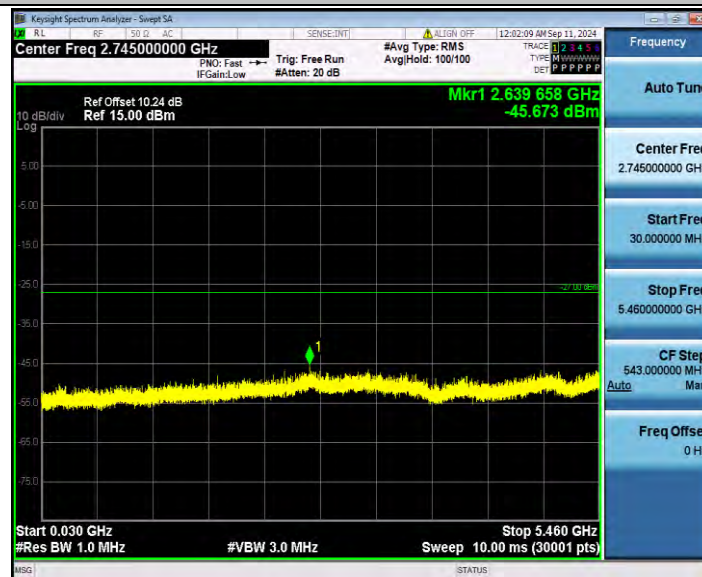
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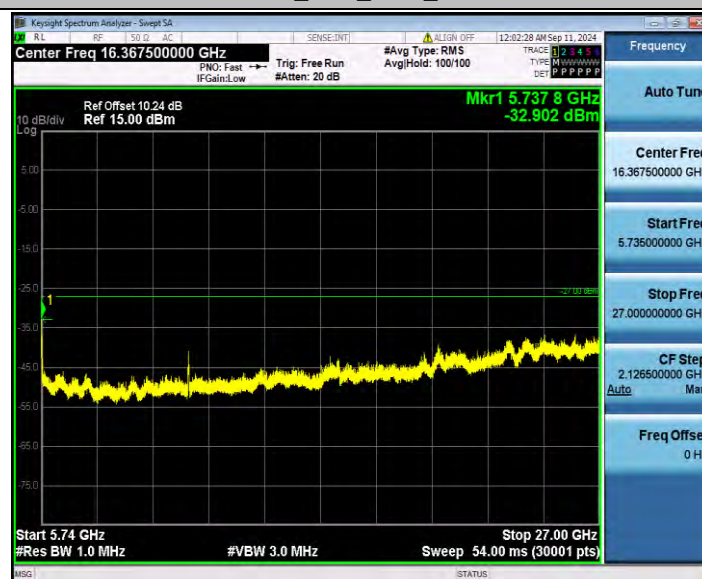
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11AC40SISO_Ant1_5670_30~5460



11AC40SISO_Ant1_5670_5735~27000



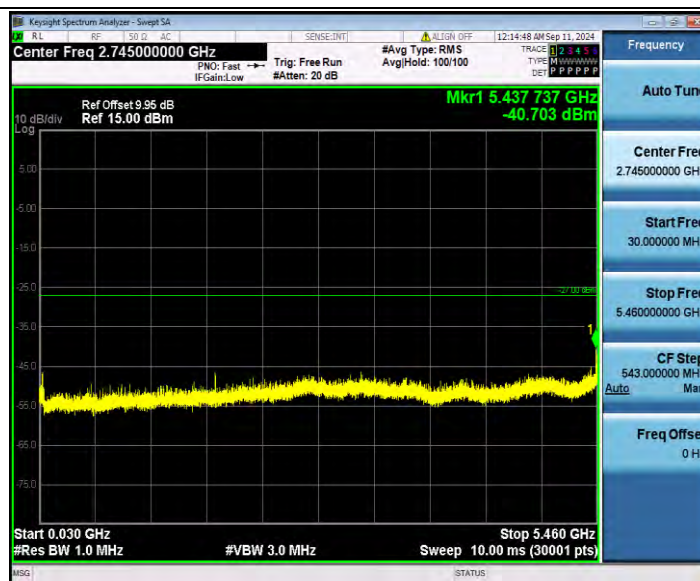
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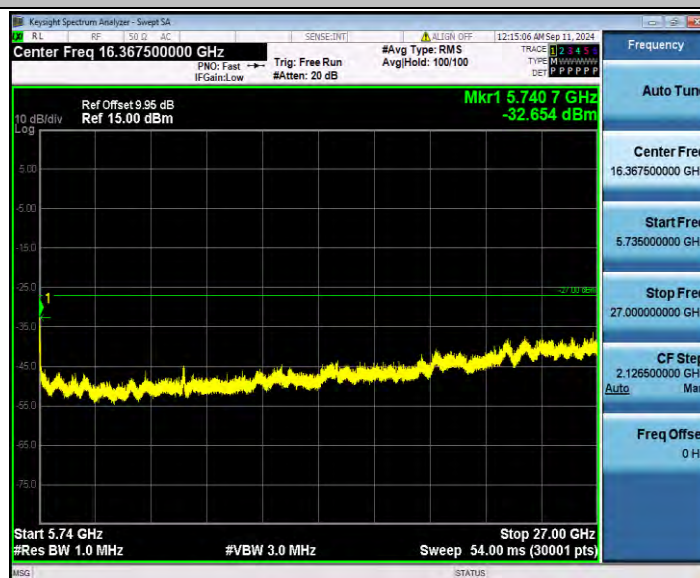
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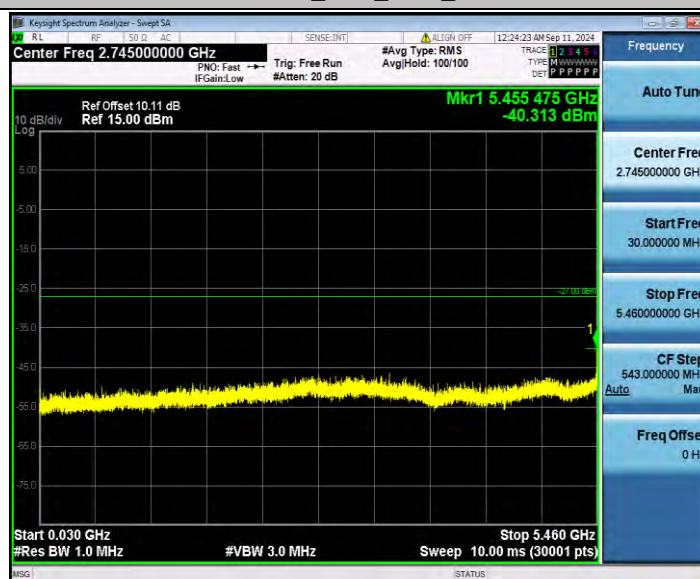
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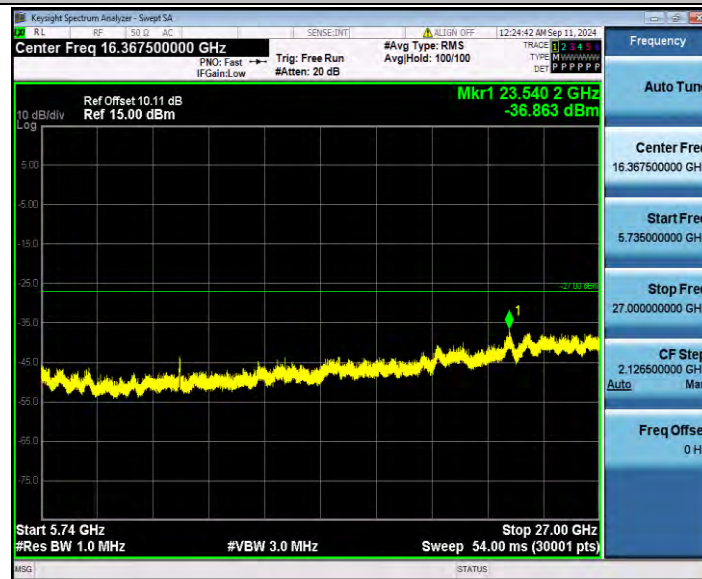
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11AX20SISO_Ant1_5500_30~5460



11AX20SISO_Ant1_5500_5735~27000



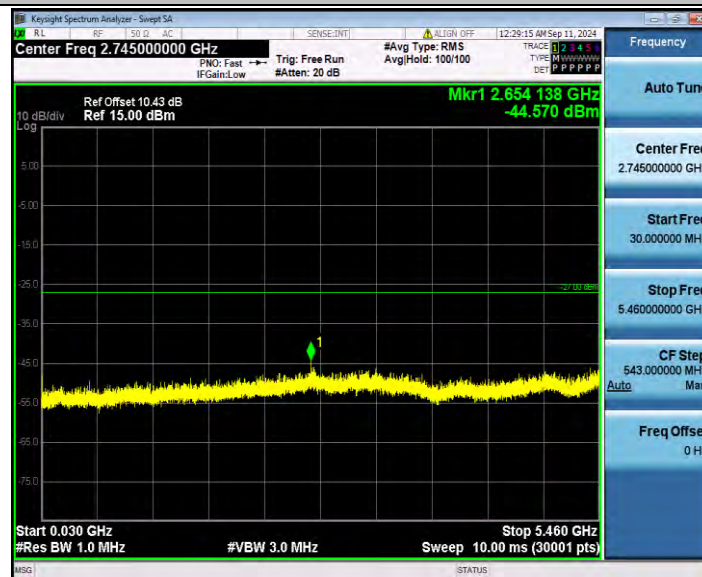
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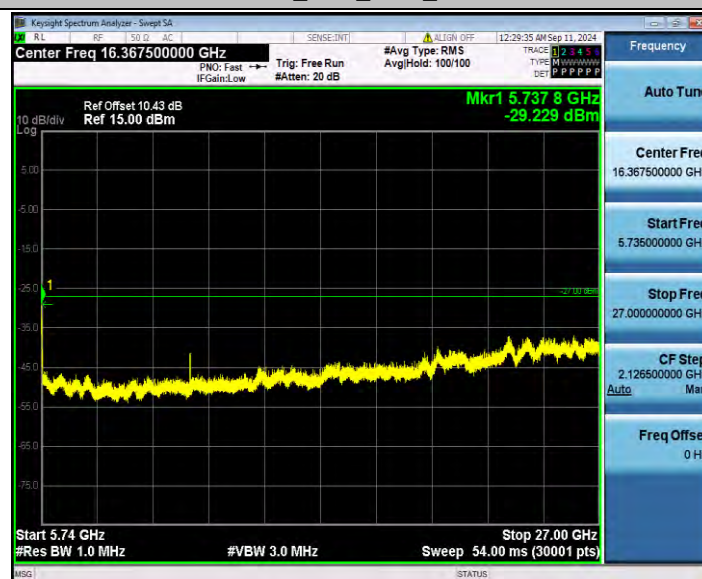
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11AX20SISO_Ant1_5700_30~5460



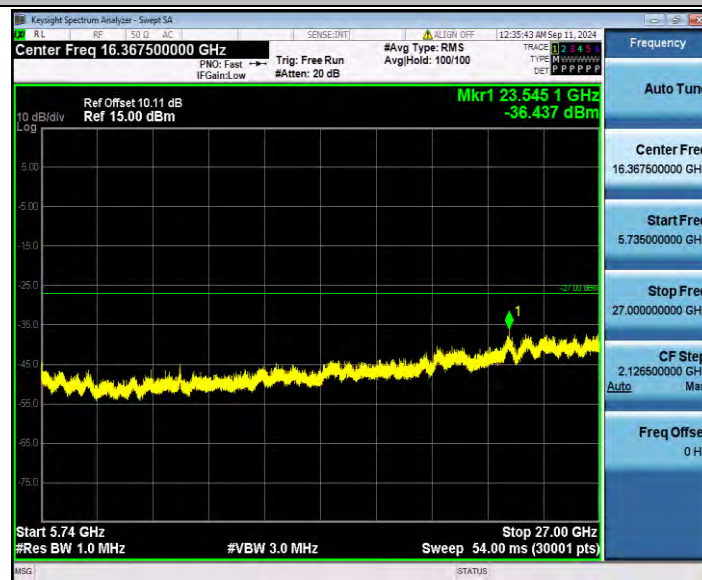
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11AX40SISO_Ant1_5510_30~5460



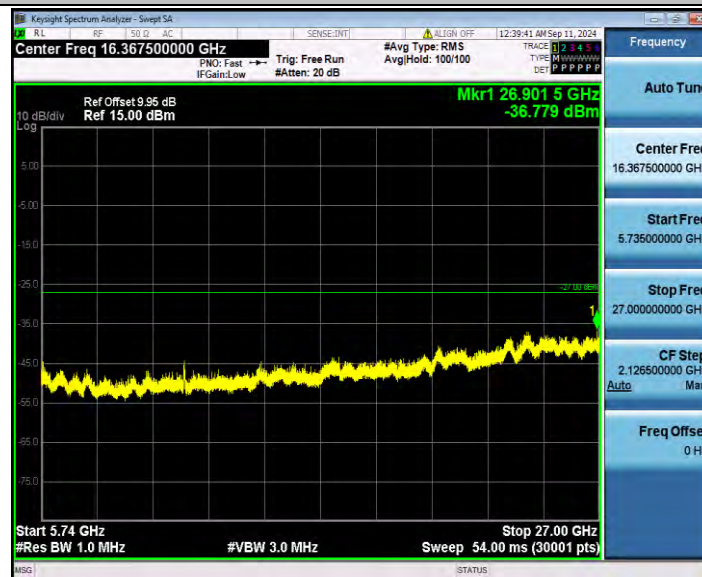
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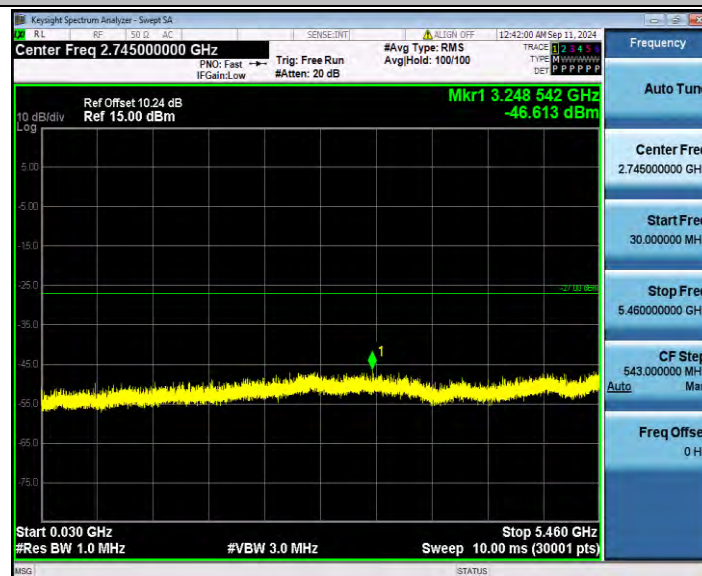
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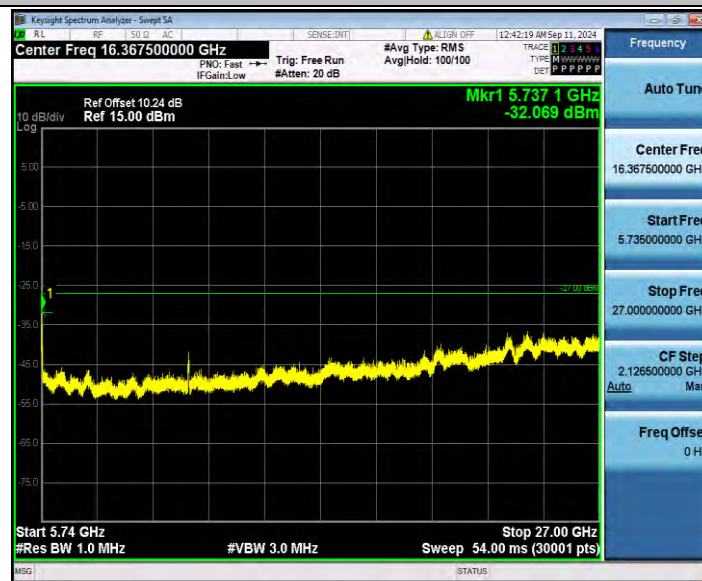
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11AX40SISO_Ant1_5670_30~5460



11AX40SISO_Ant1_5670_5735~27000



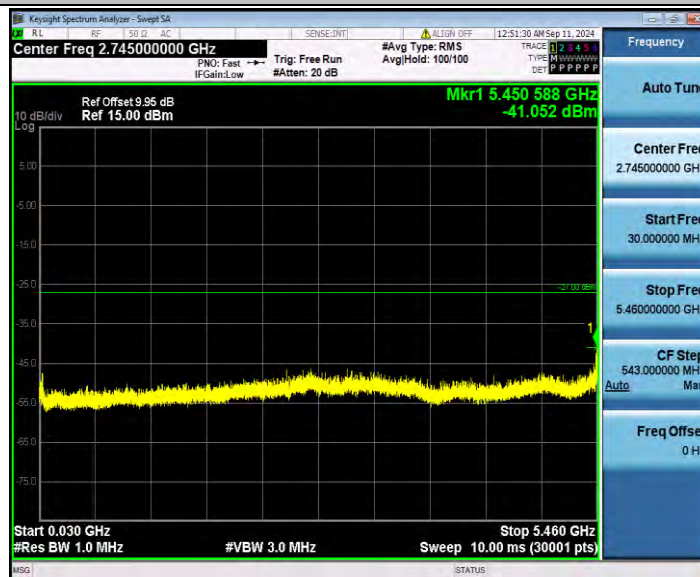
11AX80SISO_Ant1_5530_30~5460



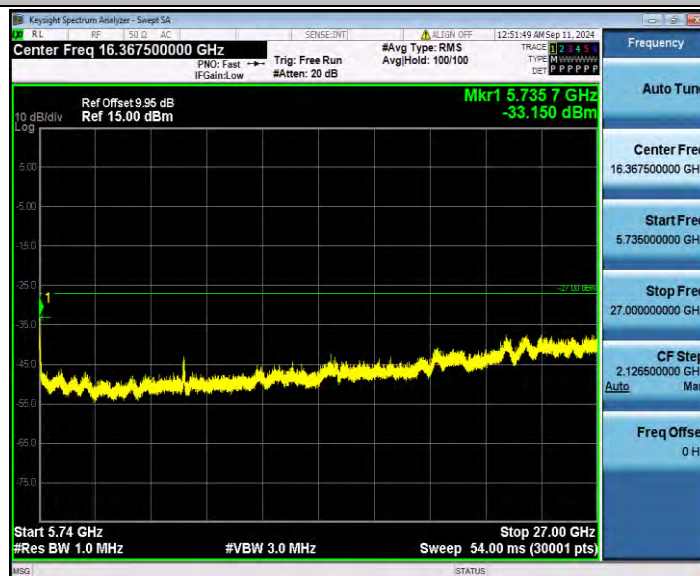
11AX80SISO_Ant1_5530_5735~27000



11AX80SISO_Ant1_5610_30~5460



11AX80SISO_Ant1_5610_5735~27000



Appendix F.8: Emissions in Restricted Bands

Test Result

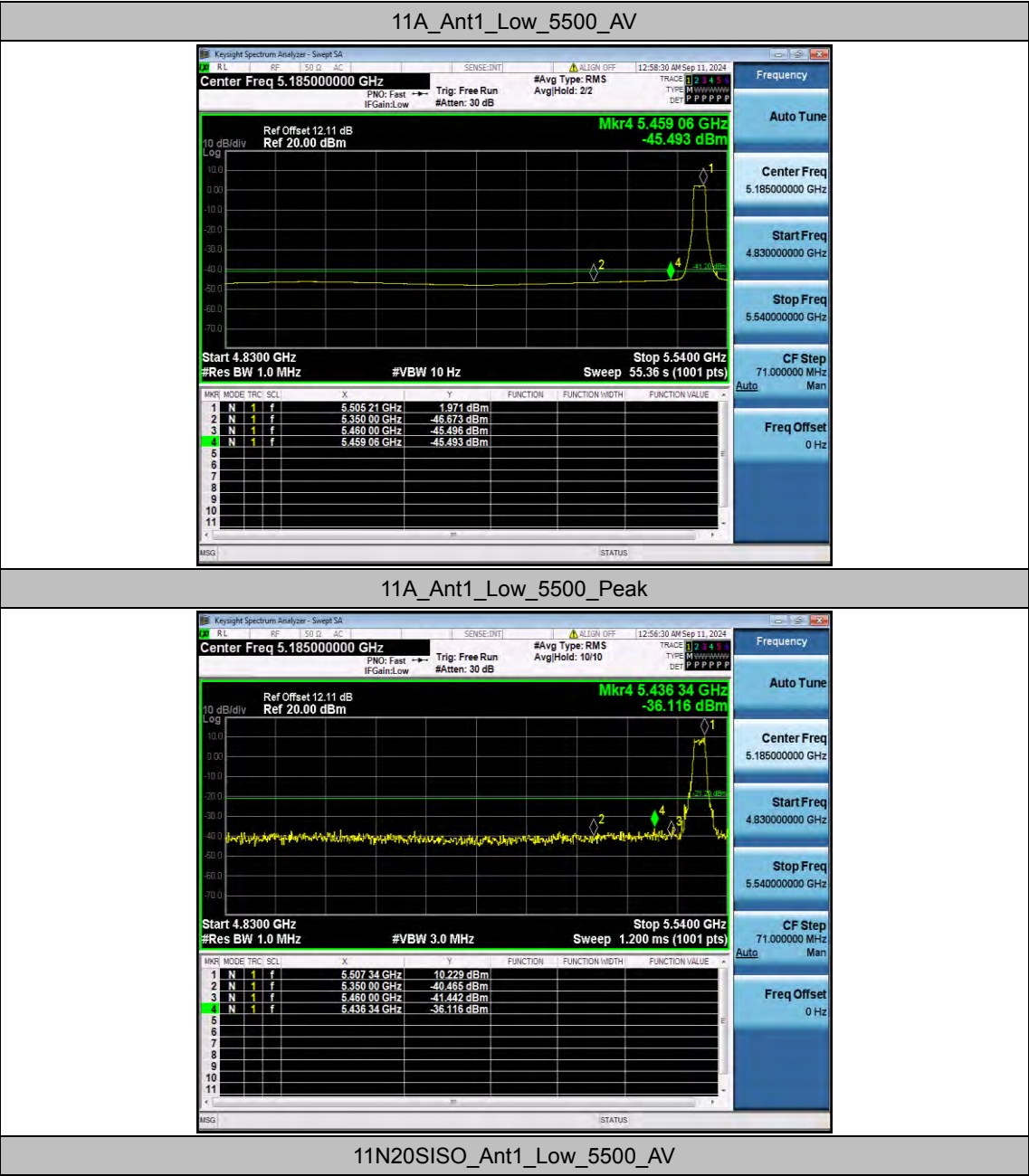
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5500	AV	5350.000	-46.67	≤-41.20	48.53	≤54	PASS
				AV	5459.060	-45.49	≤-41.20	49.71	≤54	PASS
				AV	5460.000	-45.5	≤-41.20	49.70	≤54	PASS
				Peak	5350.000	-40.47	≤-21.20	54.73	≤74	PASS
				Peak	5436.340	-36.12	≤-21.20	59.08	≤74	PASS
				Peak	5460.000	-41.44	≤-21.20	53.76	≤74	PASS
11N20SIS O	Ant1	Low	5500	AV	5350.000	-46.7	≤-41.20	48.50	≤54	PASS
				AV	5459.770	-45.42	≤-41.20	49.78	≤54	PASS
				AV	5460.000	-45.42	≤-41.20	49.78	≤54	PASS
				Peak	5350.000	-39.91	≤-21.20	55.29	≤74	PASS
				Peak	5424.270	-36.99	≤-21.20	58.21	≤74	PASS
				Peak	5460.000	-40.45	≤-21.20	54.75	≤74	PASS
11N40SIS O	Ant1	Low	5510	AV	5350.000	-46.73	≤-41.20	48.47	≤54	PASS
				AV	5454.150	-45.77	≤-41.20	49.43	≤54	PASS
				AV	5460.000	-45.78	≤-41.20	49.42	≤54	PASS
				Peak	5350.000	-40.28	≤-21.20	54.92	≤74	PASS
				Peak	5392.380	-35.93	≤-21.20	59.27	≤74	PASS
				Peak	5460.000	-40.86	≤-21.20	54.34	≤74	PASS
11AC20SI SO	Ant1	Low	5500	AV	5350.000	-46.75	≤-41.20	48.45	≤54	PASS
				AV	5456.220	-45.73	≤-41.20	49.47	≤54	PASS
				AV	5460.000	-45.76	≤-41.20	49.44	≤54	PASS
				Peak	5350.000	-42.41	≤-21.20	52.79	≤74	PASS
				Peak	5459.060	-36.75	≤-21.20	58.45	≤74	PASS
				Peak	5460.000	-39.85	≤-21.20	55.35	≤74	PASS
11AC40SI SO	Ant1	Low	5510	AV	5350.000	-46.73	≤-41.20	48.47	≤54	PASS
				AV	5456.280	-45.75	≤-41.20	49.45	≤54	PASS
				AV	5460.000	-45.8	≤-41.20	49.40	≤54	PASS
				Peak	5350.000	-41.28	≤-21.20	53.92	≤74	PASS
				Peak	5360.430	-37.21	≤-21.20	57.99	≤74	PASS
				Peak	5460.000	-40.69	≤-21.20	54.51	≤74	PASS
11AC80SI SO	Ant1	Low	5530	AV	5350.000	-46.78	≤-41.20	48.42	≤54	PASS
				AV	5457.820	-45.75	≤-41.20	49.45	≤54	PASS
				AV	5460.000	-45.78	≤-41.20	49.42	≤54	PASS
				Peak	5350.000	-41.37	≤-21.20	53.83	≤74	PASS
				Peak	5374.750	-37.15	≤-21.20	58.05	≤74	PASS
				Peak	5460.000	-40.8	≤-21.20	54.40	≤74	PASS

11AX20SI SO	Ant1	Low	5500	AV	5350.000	-46.77	≤ -41.20	48.43	≤ 54	PASS
				AV	5459.770	-45.51	≤ -41.20	49.69	≤ 54	PASS
				AV	5460.000	-45.52	≤ -41.20	49.68	≤ 54	PASS
				Peak	5350.000	-40.69	≤ -21.20	54.51	≤ 74	PASS
				Peak	5437.760	-36.45	≤ -21.20	58.75	≤ 74	PASS
				Peak	5460.000	-37.91	≤ -21.20	57.29	≤ 74	PASS
11AX40SI SO	Ant1	Low	5510	AV	5350.000	-46.78	≤ -41.20	48.42	≤ 54	PASS
				AV	5455.570	-45.8	≤ -41.20	49.40	≤ 54	PASS
				AV	5460.000	-45.82	≤ -41.20	49.38	≤ 54	PASS
				Peak	5350.000	-40.98	≤ -21.20	54.22	≤ 74	PASS
				Peak	5390.960	-37.38	≤ -21.20	57.82	≤ 74	PASS
				Peak	5460.000	-38.39	≤ -21.20	56.81	≤ 74	PASS
11AX80SI SO	Ant1	Low	5530	AV	5350.000	-47.14	≤ -41.20	48.06	≤ 54	PASS
				AV	5445.040	-43.33	≤ -41.20	51.87	≤ 54	PASS
				AV	5460.000	-43.65	≤ -41.20	51.55	≤ 54	PASS
				Peak	5350.000	-41.76	≤ -21.20	53.44	≤ 74	PASS
				Peak	5433.680	-28.97	≤ -21.20	66.23	≤ 74	PASS
				Peak	5460.000	-37.66	≤ -21.20	57.54	≤ 74	PASS

Note:

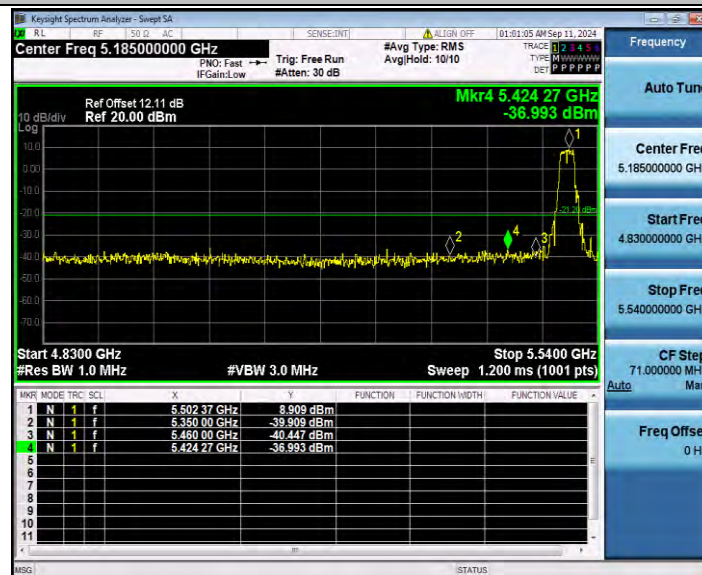
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

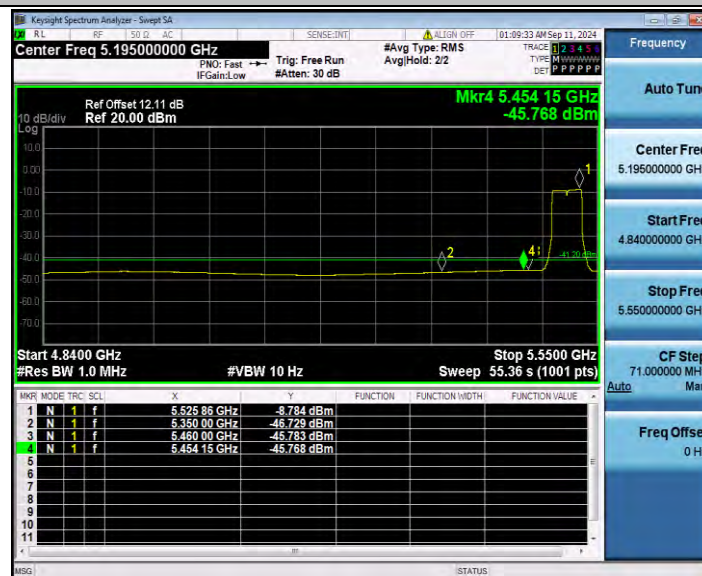




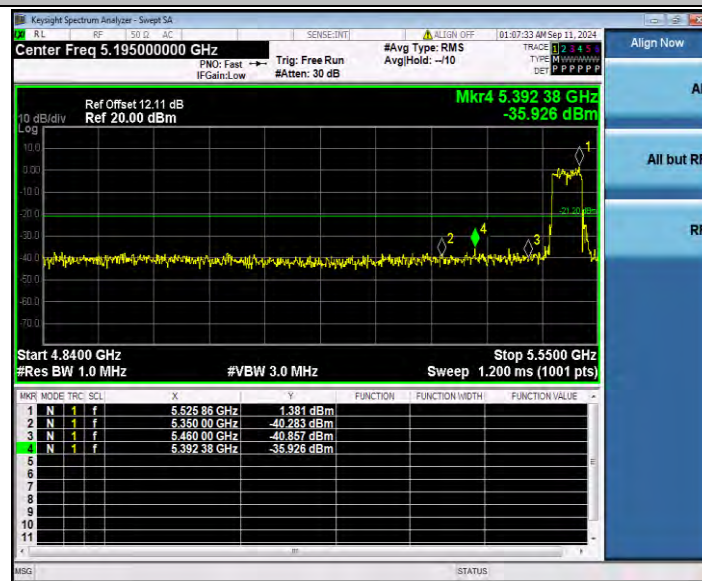
11N20SISO_Ant1_Low_5500_Peak



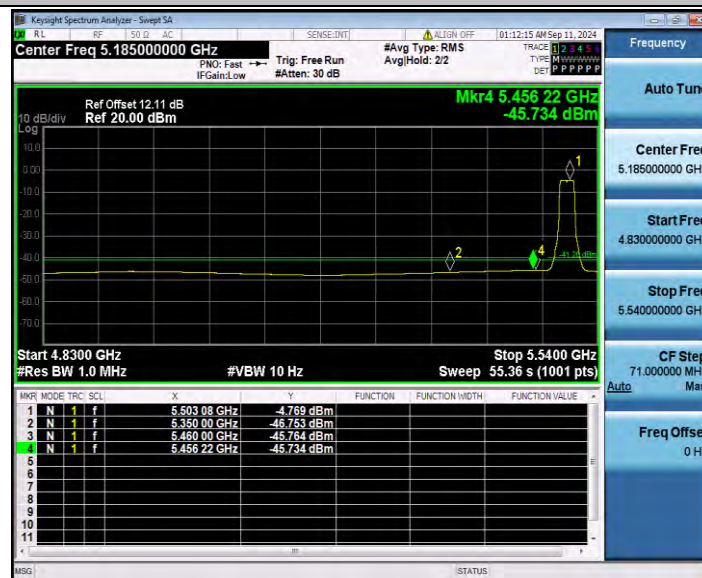
11N40SISO_Ant1_Low_5510_AV



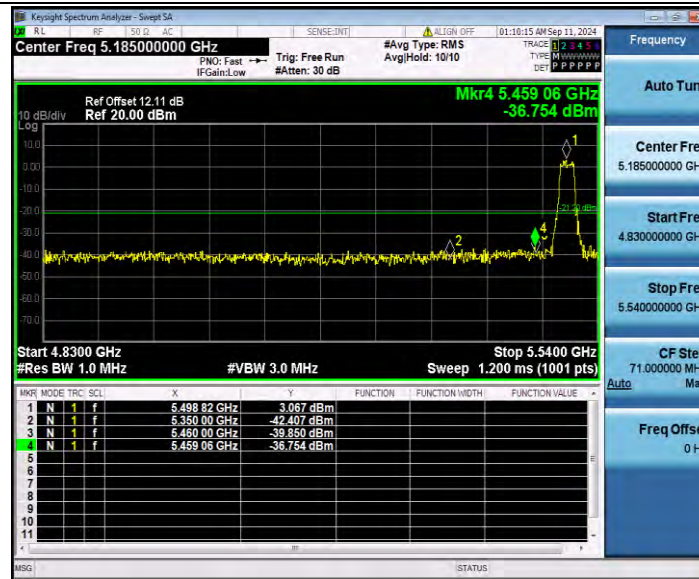
11N40SISO_Ant1_Low_5510_Peak



11AC20SISO_Ant1_Low_5500_AV



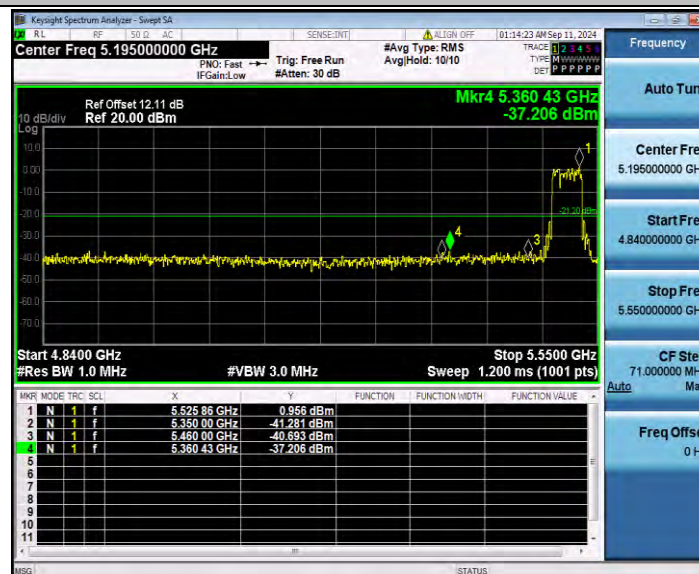
11AC20SISO_Ant1_Low_5500_Peak



11AC40SISO_Ant1_Low_5510_AV



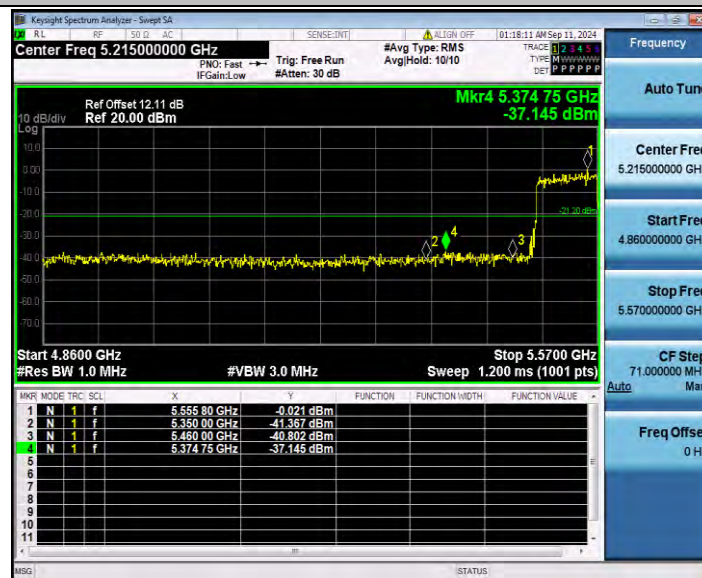
11AC40SISO_Ant1_Low_5510_Peak



11AC80SISO_Ant1_Low_5530_AV



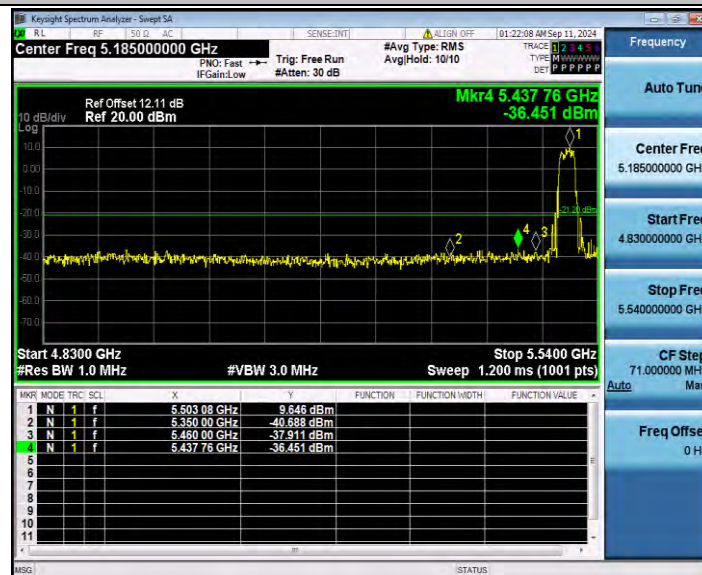
11AC80SISO_Ant1_Low_5530_Peak



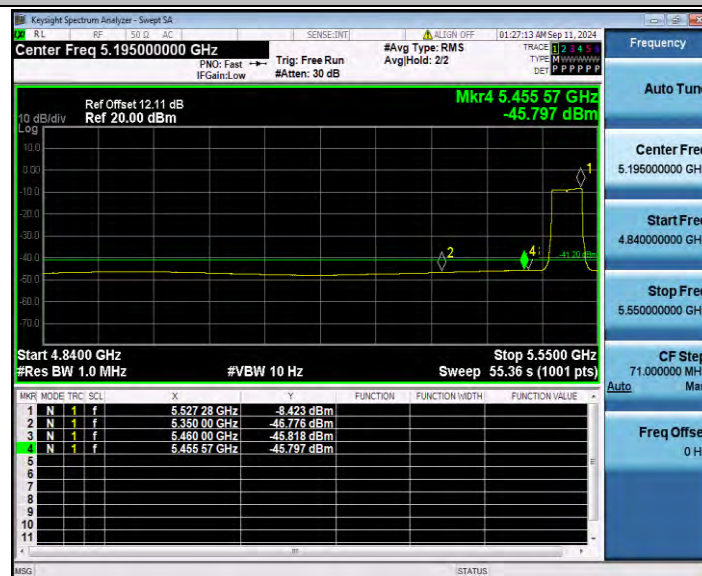
11AX20SISO_Ant1_Low_5500_AV



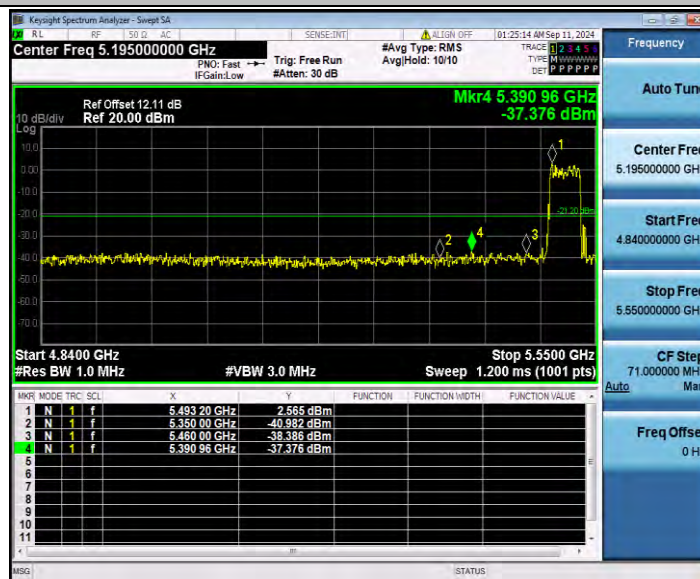
11AX20SISO_Ant1_Low_5500_Peak



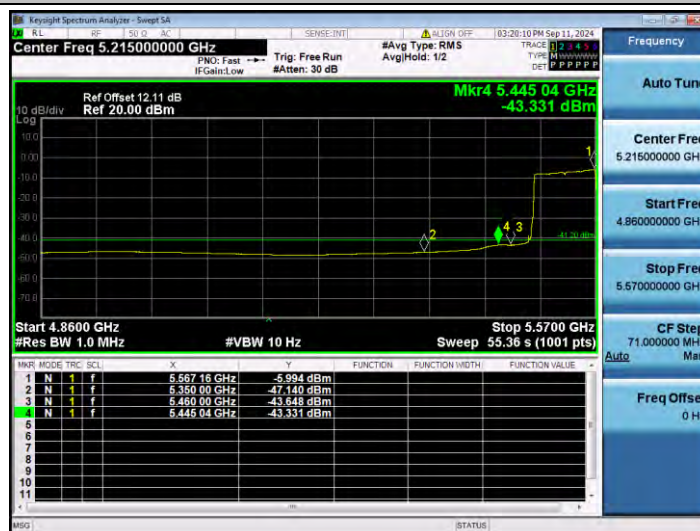
11AX40SISO_Ant1_Low_5510_AV



11AX40SISO_Ant1_Low_5510_Peak



11AX80SISO_Ant1_Low_5530_AV



11AX80SISO_Ant1_Low_5530_Peak

