

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	10.88	97.89	0.09	10.97	≤23.98	PASS
		5580	11.99	97.20	0.12	12.11	≤23.98	PASS
		5700	10.79	97.20	0.12	10.91	≤23.98	PASS
11N20SISO	Ant1	5500	10.81	97.74	0.10	10.91	≤23.98	PASS
		5580	12.03	97.01	0.13	12.16	≤23.98	PASS
		5700	10.69	97.01	0.13	10.82	≤23.98	PASS
11N40SISO	Ant1	5510	10.85	94.12	0.26	11.11	≤23.98	PASS
		5590	11.48	95.59	0.20	11.68	≤23.98	PASS
		5670	10.82	95.59	0.20	11.02	≤23.98	PASS
11AC20SISO	Ant1	5500	11.42	97.04	0.13	11.55	≤23.98	PASS
		5580	12.20	97.04	0.13	12.33	≤23.98	PASS
		5700	11.12	97.04	0.13	11.25	≤23.98	PASS
11AC40SISO	Ant1	5510	11.25	95.59	0.20	11.45	≤23.98	PASS
		5590	11.62	94.20	0.26	11.88	≤23.98	PASS
		5670	10.83	95.65	0.19	11.02	≤23.98	PASS
11AC80SISO	Ant1	5530	10.94	91.67	0.38	11.32	≤23.98	PASS
		5610	10.41	91.43	0.39	10.80	≤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	0.38	≤11.00	PASS
		5580	1.47	≤11.00	PASS
		5700	0.49	≤11.00	PASS
11N20SISO	Ant1	5500	0.14	≤11.00	PASS
		5580	1.32	≤11.00	PASS
		5700	0.20	≤11.00	PASS
11N40SISO	Ant1	5510	-2.36	≤11.00	PASS
		5590	-1.63	≤11.00	PASS
		5670	-2.54	≤11.00	PASS
11AC20SISO	Ant1	5500	0.48	≤11.00	PASS
		5580	1.36	≤11.00	PASS
		5700	0.32	≤11.00	PASS
11AC40SISO	Ant1	5510	-2.16	≤11.00	PASS
		5590	-1.61	≤11.00	PASS
		5670	-2.67	≤11.00	PASS
11AC80SISO	Ant1	5530	-4.38	≤11.00	PASS
		5610	-5.01	≤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_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



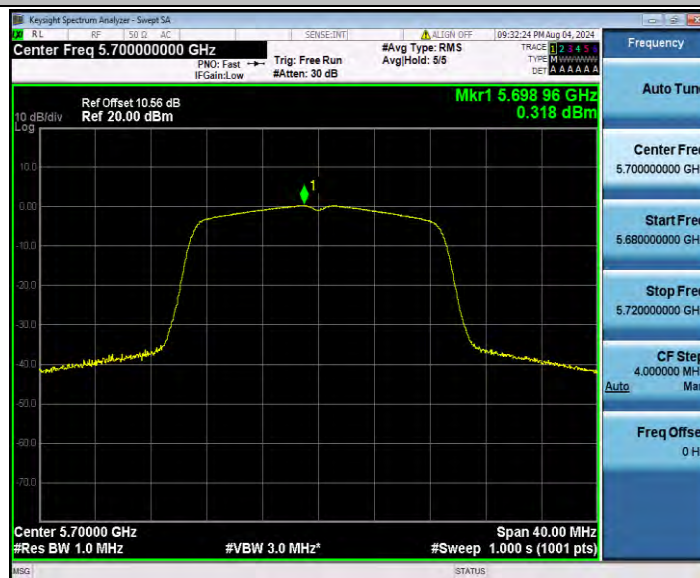
11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

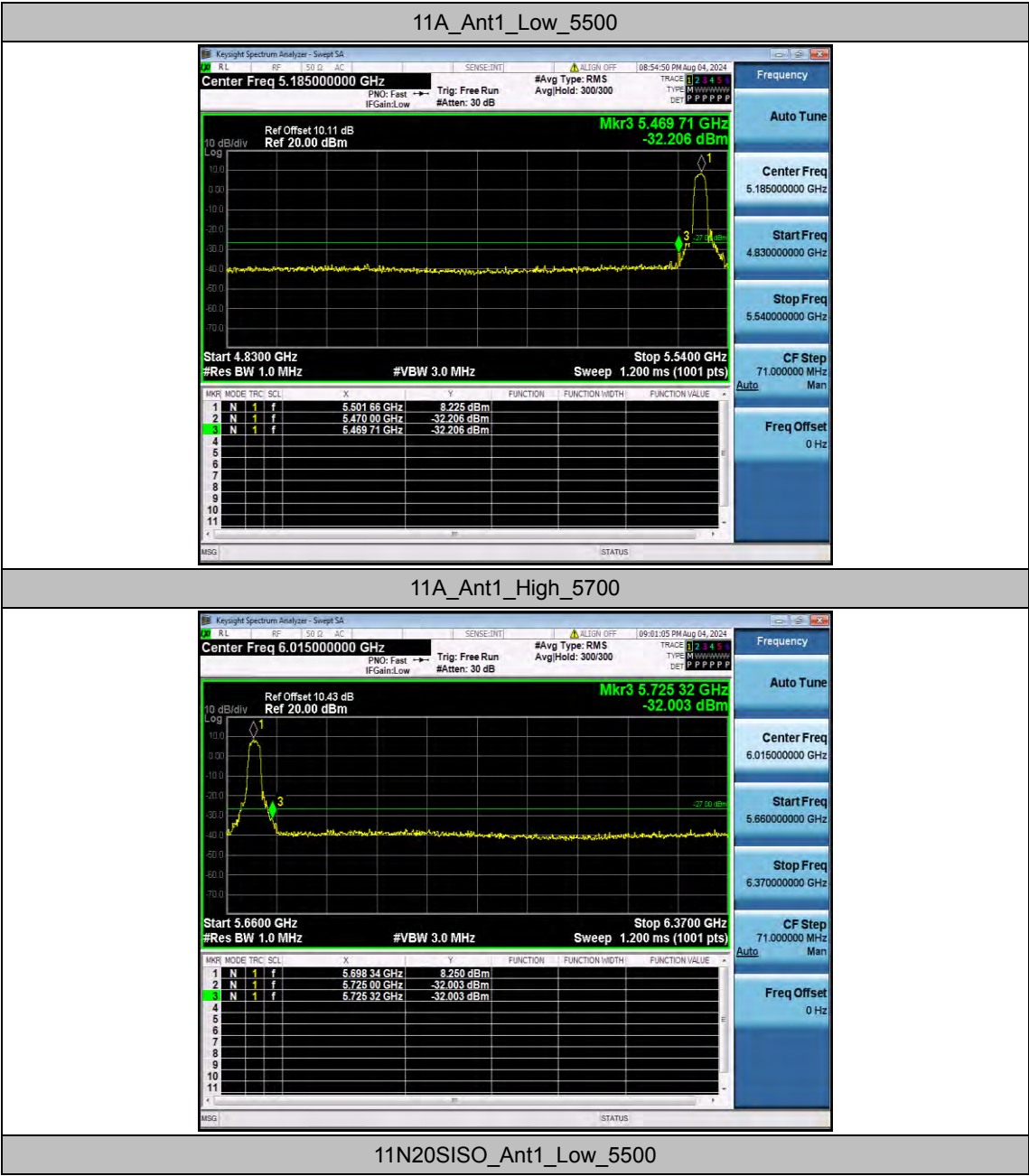


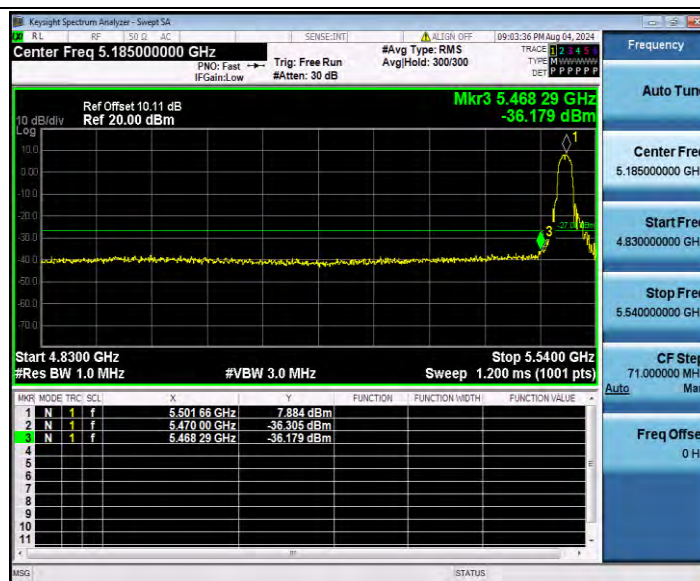
Appendix F.6: Band edge measurements

Test Result B3

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-32.21	≤ -27	PASS
		High	5700	-32	≤ -27	PASS
11N20SISO	Ant1	Low	5500	-36.18	≤ -27	PASS
		High	5700	-27.97	≤ -27	PASS
11N40SISO	Ant1	Low	5510	-30.65	≤ -27	PASS
		High	5670	-35.75	≤ -27	PASS
11AC20SISO	Ant1	Low	5500	-31.94	≤ -27	PASS
		High	5700	-30.05	≤ -27	PASS
11AC40SISO	Ant1	Low	5510	-29.02	≤ -27	PASS
		High	5670	-35.87	≤ -27	PASS
11AC80SISO	Ant1	Low	5530	-28.27	≤ -27	PASS
		High	5610	-37.77	≤ -27	PASS

Test Graphs B3





11N20SISO_Ant1_High_5700



11N40SISO_Ant1_Low_5510



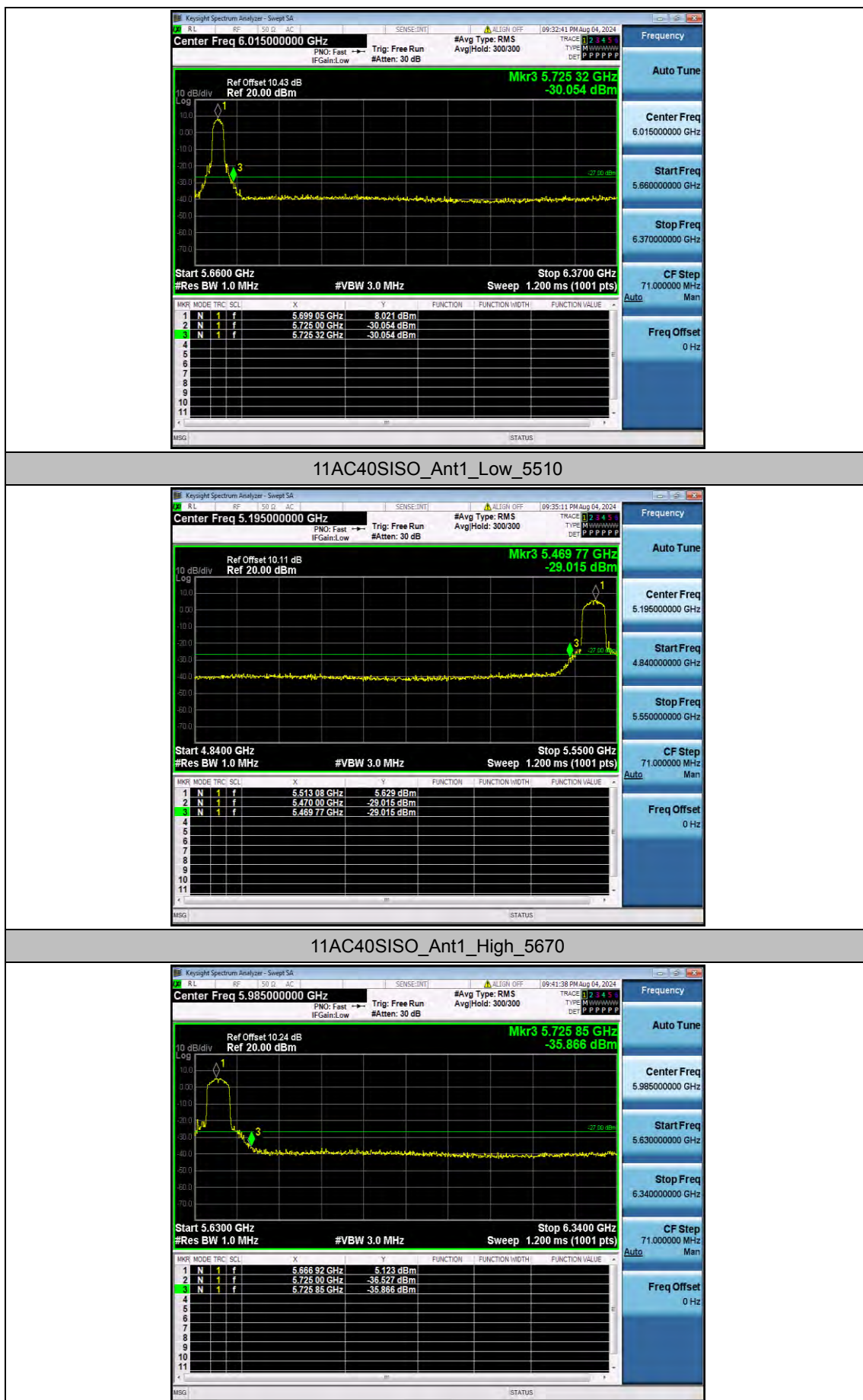
11N40SISO_Ant1_High_5670



11AC20SISO_Ant1_Low_5500



11AC20SISO_Ant1_High_5700



11AC80SISO_Ant1_Low_5530



11AC80SISO_Ant1_High_5610

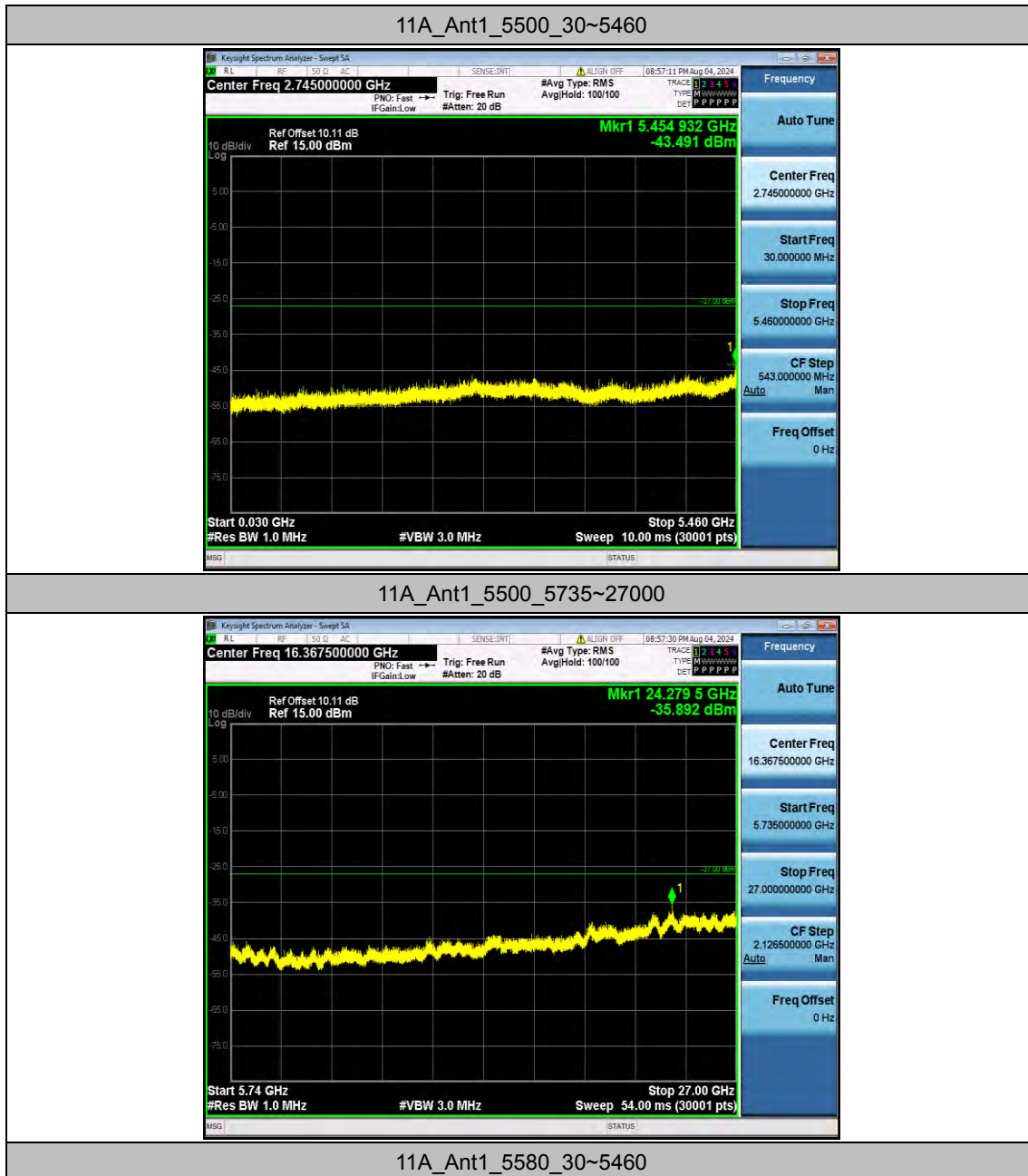


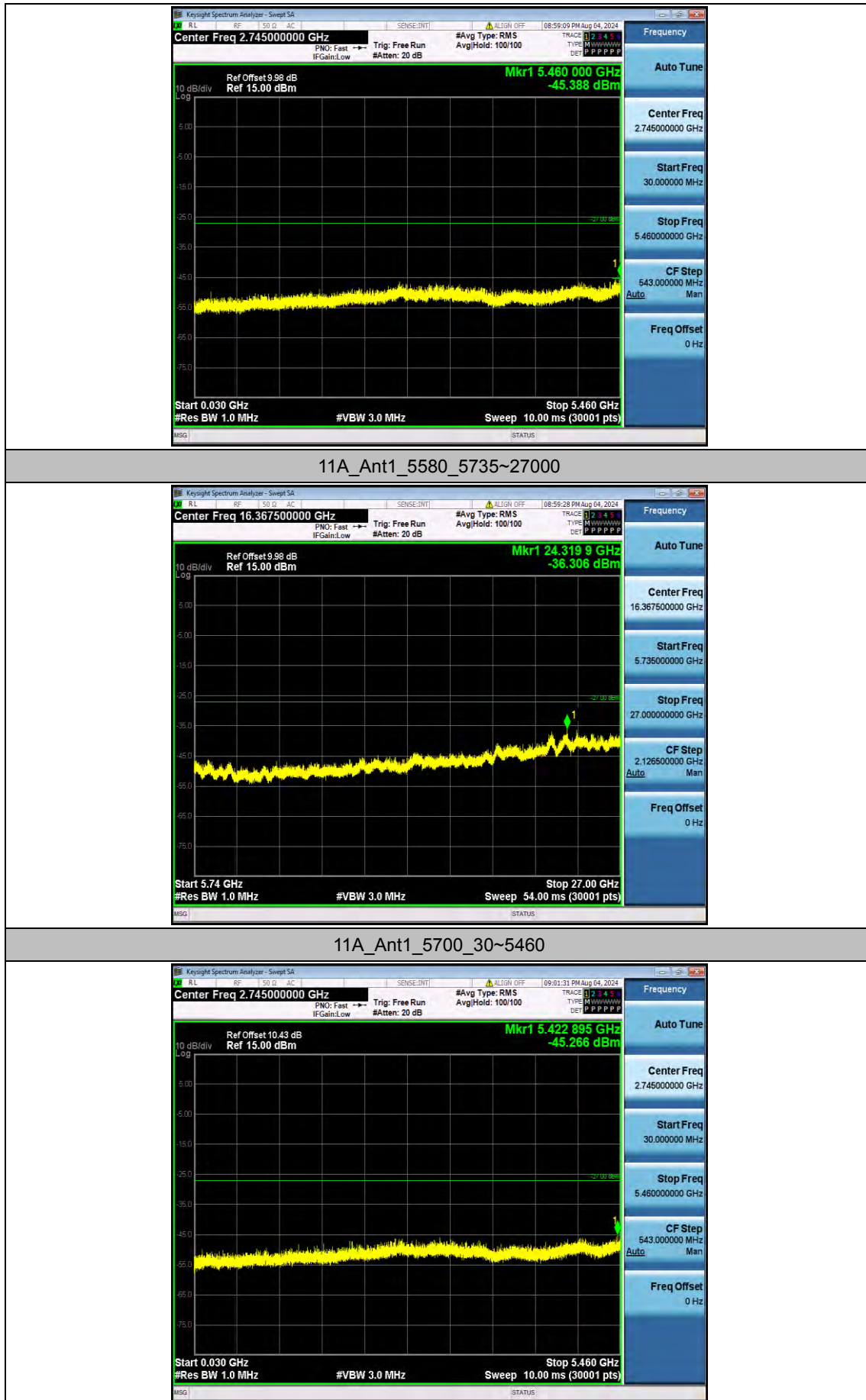
Appendix F.7: Conducted Spurious Emission

Test Result

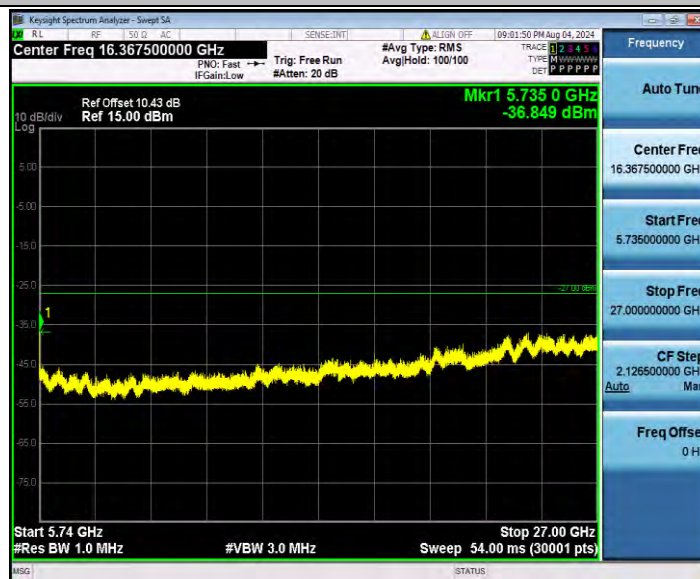
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	5454.93	-43.49	≤-27	PASS
			5735~27000	24279.5	-35.89	≤-27	PASS
		5580	30~5460	5460	-45.39	≤-27	PASS
			5735~27000	24319.9	-36.31	≤-27	PASS
		5700	30~5460	5422.9	-45.27	≤-27	PASS
			5735~27000	5735	-36.85	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5453.12	-43.48	≤-27	PASS
			5735~27000	24860.03	-36.71	≤-27	PASS
		5580	30~5460	4994.83	-45.44	≤-27	PASS
			5735~27000	26039.53	-36.53	≤-27	PASS
		5700	30~5460	5451.86	-45.09	≤-27	PASS
			5735~27000	26669.68	-36.93	≤-27	PASS
11N40SISO	Ant1	5510	30~5460	5458.91	-35.39	≤-27	PASS
			5735~27000	24335.5	-37.08	≤-27	PASS
		5590	30~5460	5411.67	-45.33	≤-27	PASS
			5735~27000	26788.06	-37.38	≤-27	PASS
		5670	30~5460	2656.13	-45.82	≤-27	PASS
			5735~27000	26642.75	-36.86	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	5460	-39.72	≤-27	PASS
			5735~27000	24238.39	-37.34	≤-27	PASS
		5580	30~5460	5438.82	-45.73	≤-27	PASS
			5735~27000	26722.85	-37.15	≤-27	PASS
		5700	30~5460	830.2	-40.24	≤-27	PASS
			5735~27000	5742.8	-32.05	≤-27	PASS
11AC40SISO	Ant1	5510	30~5460	5453.3	-37.32	≤-27	PASS
			5735~27000	26033.86	-36.89	≤-27	PASS
		5590	30~5460	4906.32	-46.43	≤-27	PASS
			5735~27000	23535.22	-37.16	≤-27	PASS
		5670	30~5460	5011.66	-46.38	≤-27	PASS
			5735~27000	24231.3	-36.88	≤-27	PASS
11AC80SISO	Ant1	5530	30~5460	5454.39	-31.88	≤-27	PASS
			5735~27000	24267.45	-36.82	≤-27	PASS
		5610	30~5460	5455.48	-44.01	≤-27	PASS
			5735~27000	24162.54	-36.46	≤-27	PASS

Test Graphs

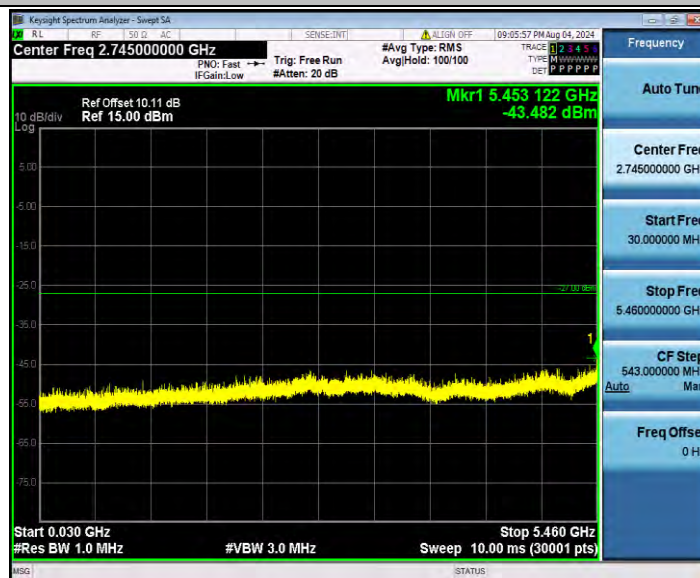




11A_Ant1_5700_5735~27000



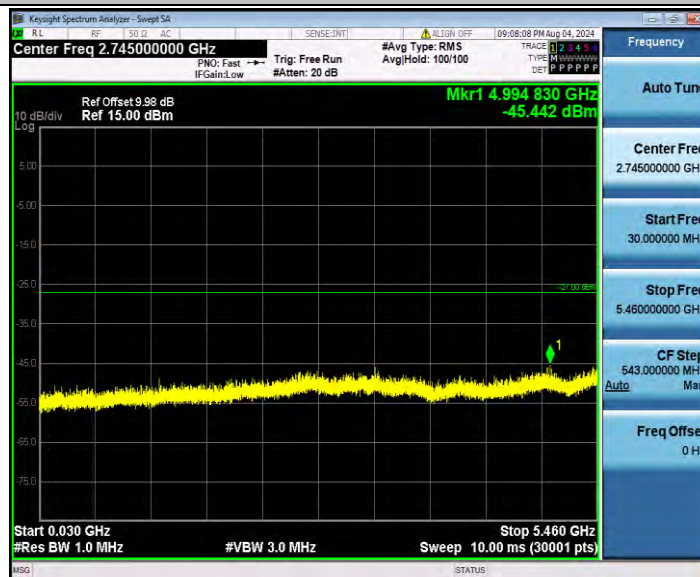
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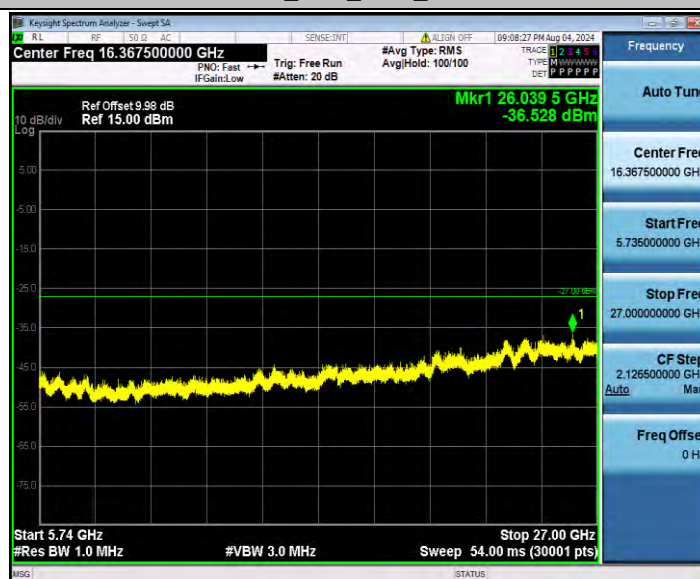
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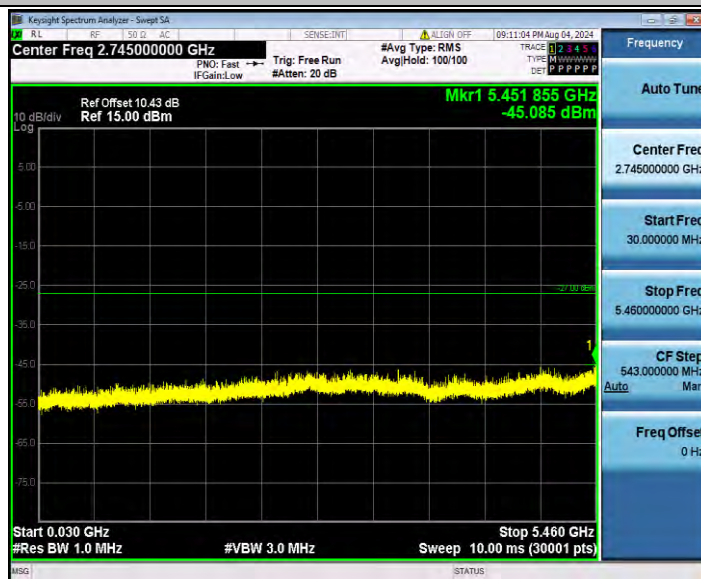
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11N20SISO_Ant1_5580_5735~27000



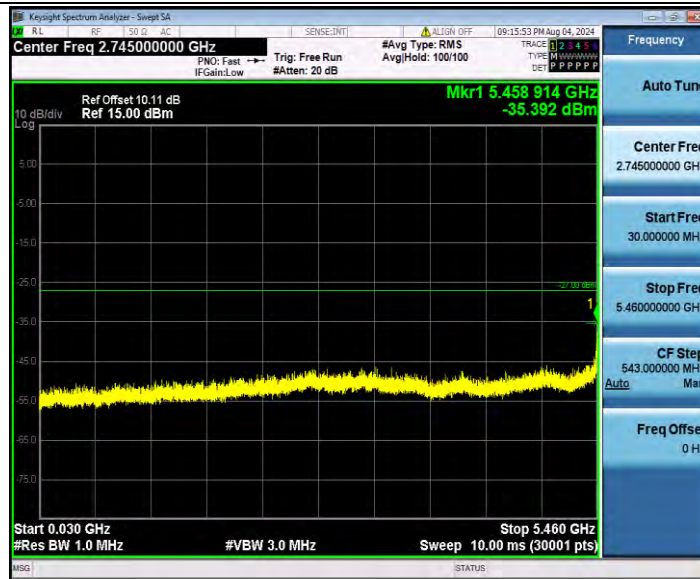
11N20SISO_Ant1_5700_30~5460



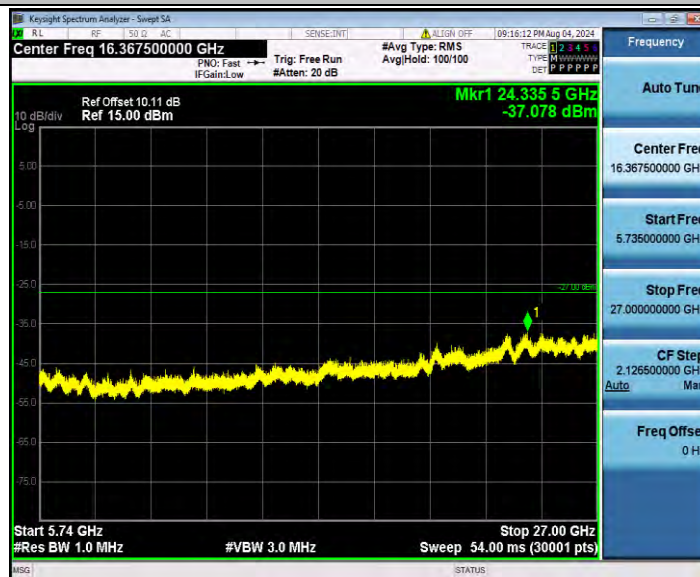
11N20SISO_Ant1_5700_5735~27000



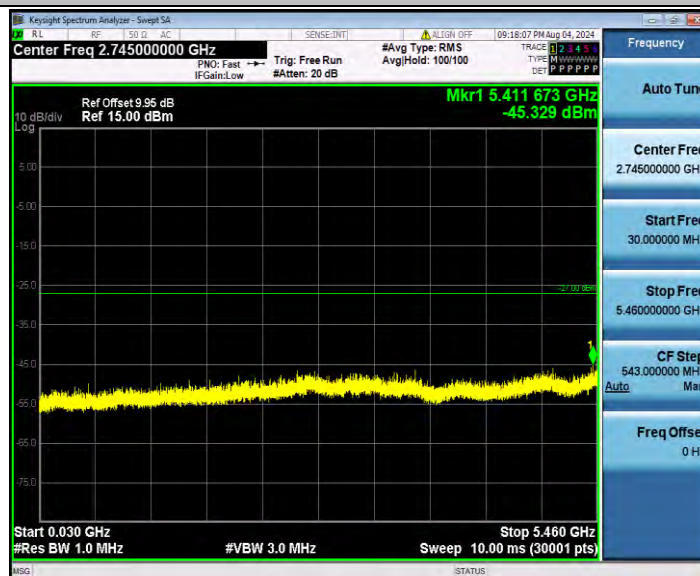
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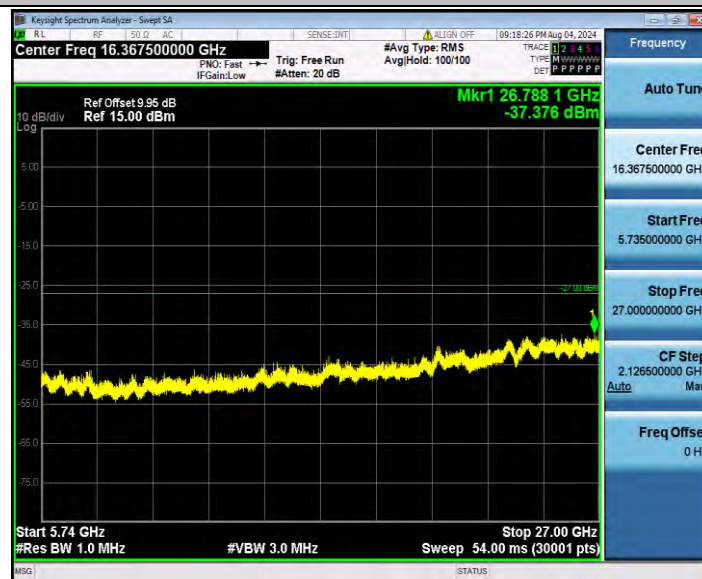
11N40SISO_Ant1_5510_5735~27000



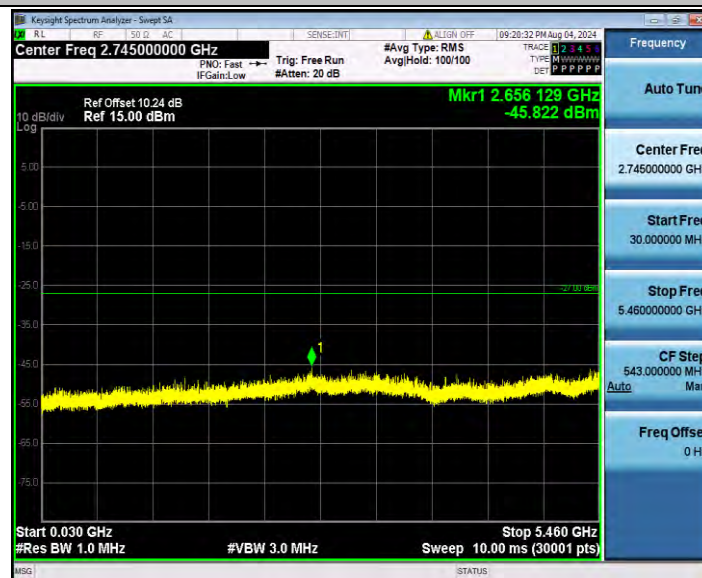
11N40SISO_Ant1_5590_30~5460



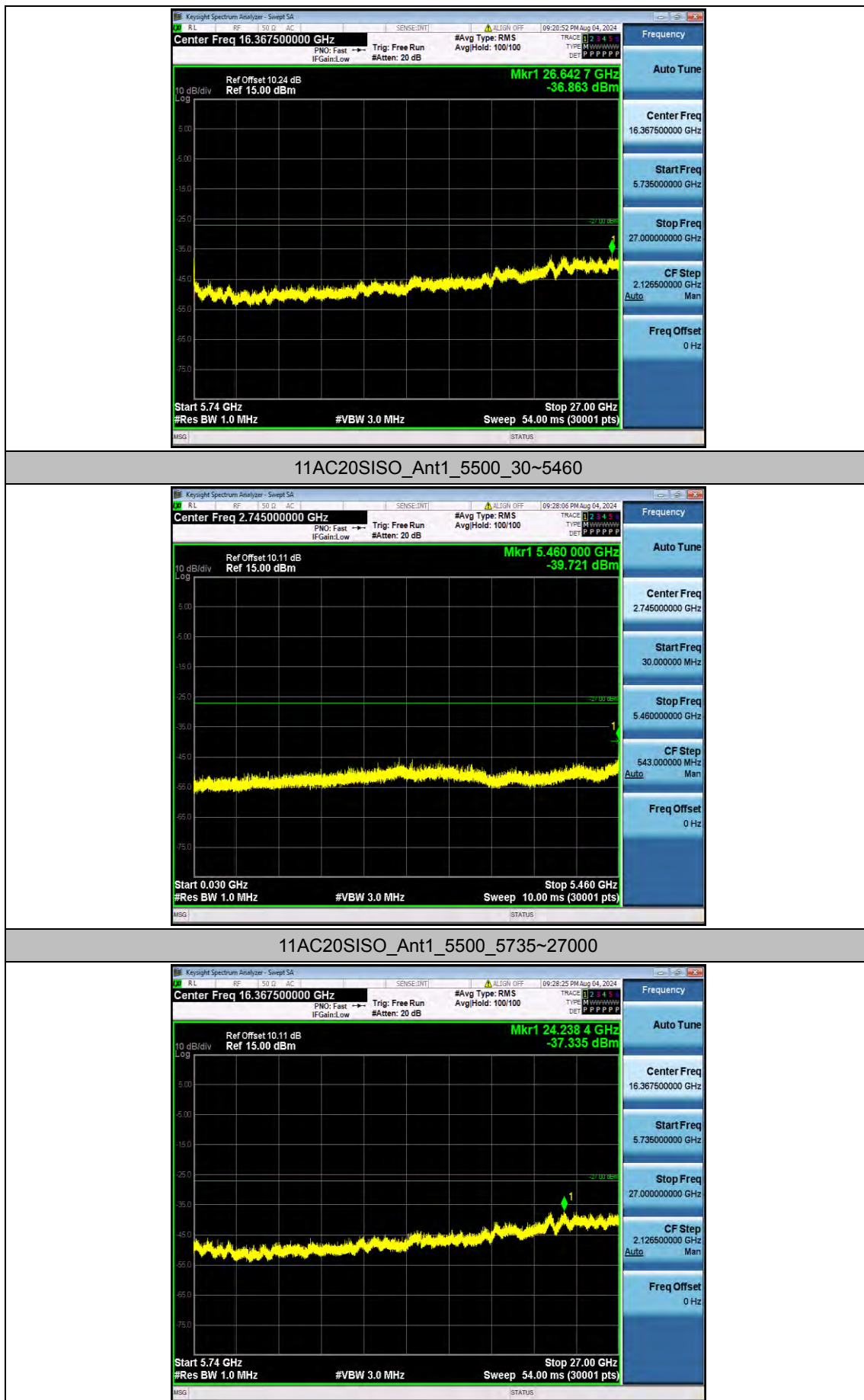
11N40SISO_Ant1_5590_5735~27000



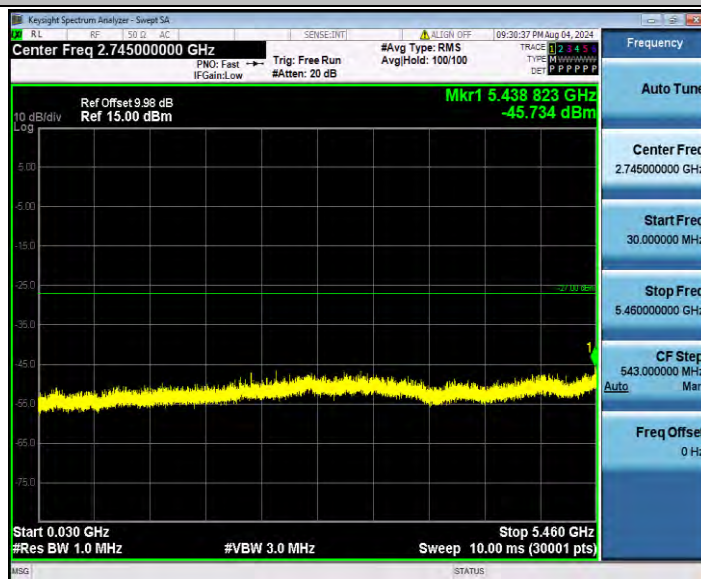
11N40SISO_Ant1_5670_30~5460



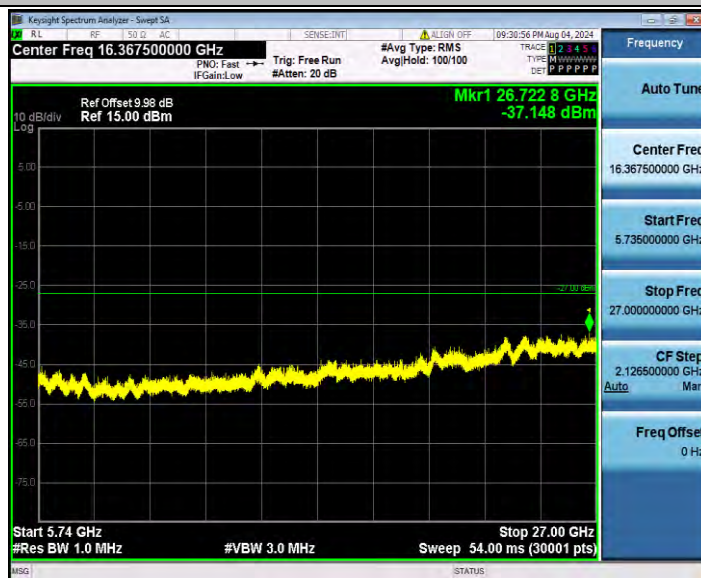
11N40SISO_Ant1_5670_5735~27000



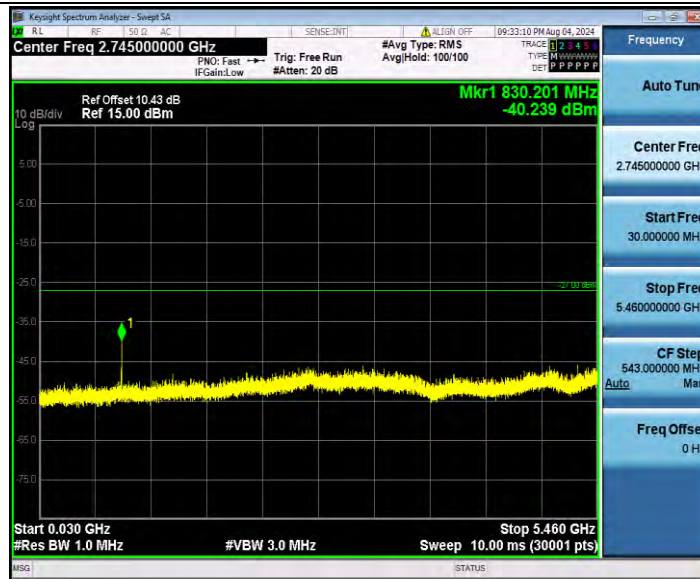
11AC20SISO_Ant1_5580_30~5460



11AC20SISO_Ant1_5580_5735~27000



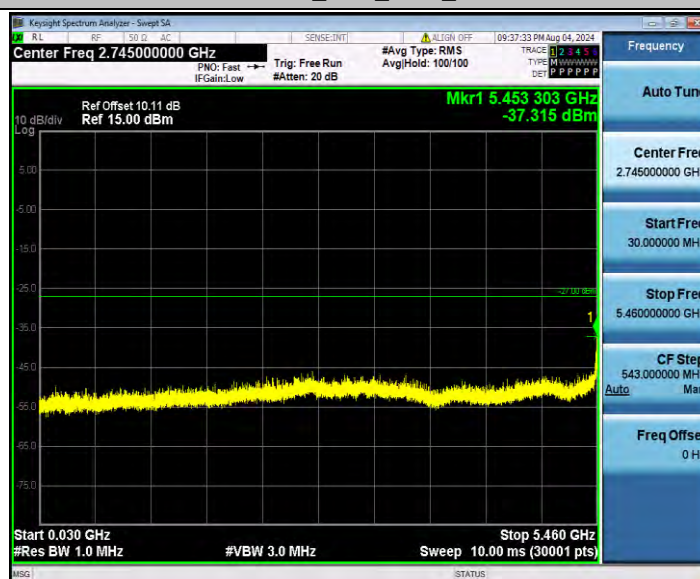
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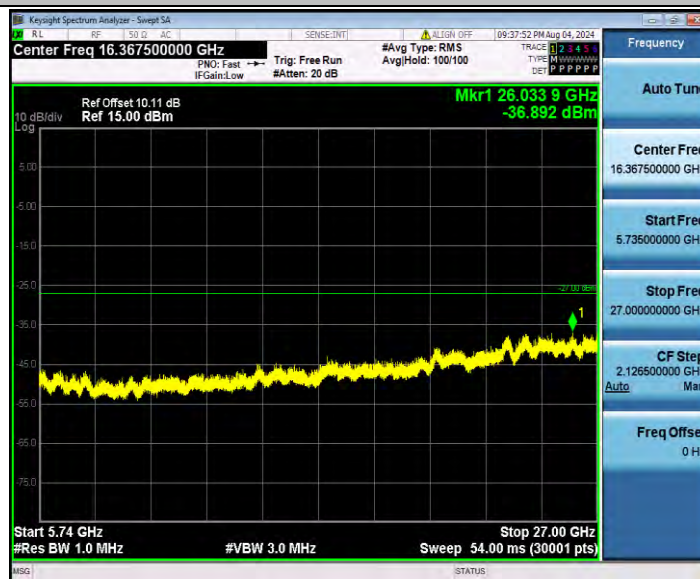
11AC20SISO_Ant1_5700_5735~27000



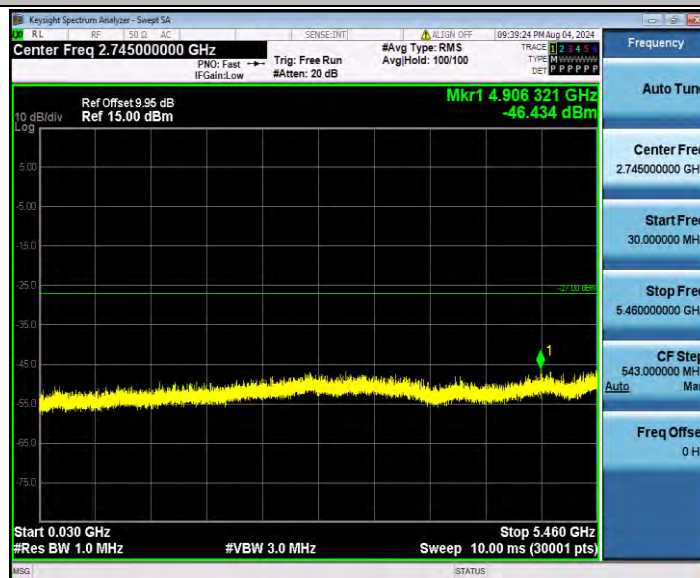
11AC40SISO_Ant1_5510_30~5460



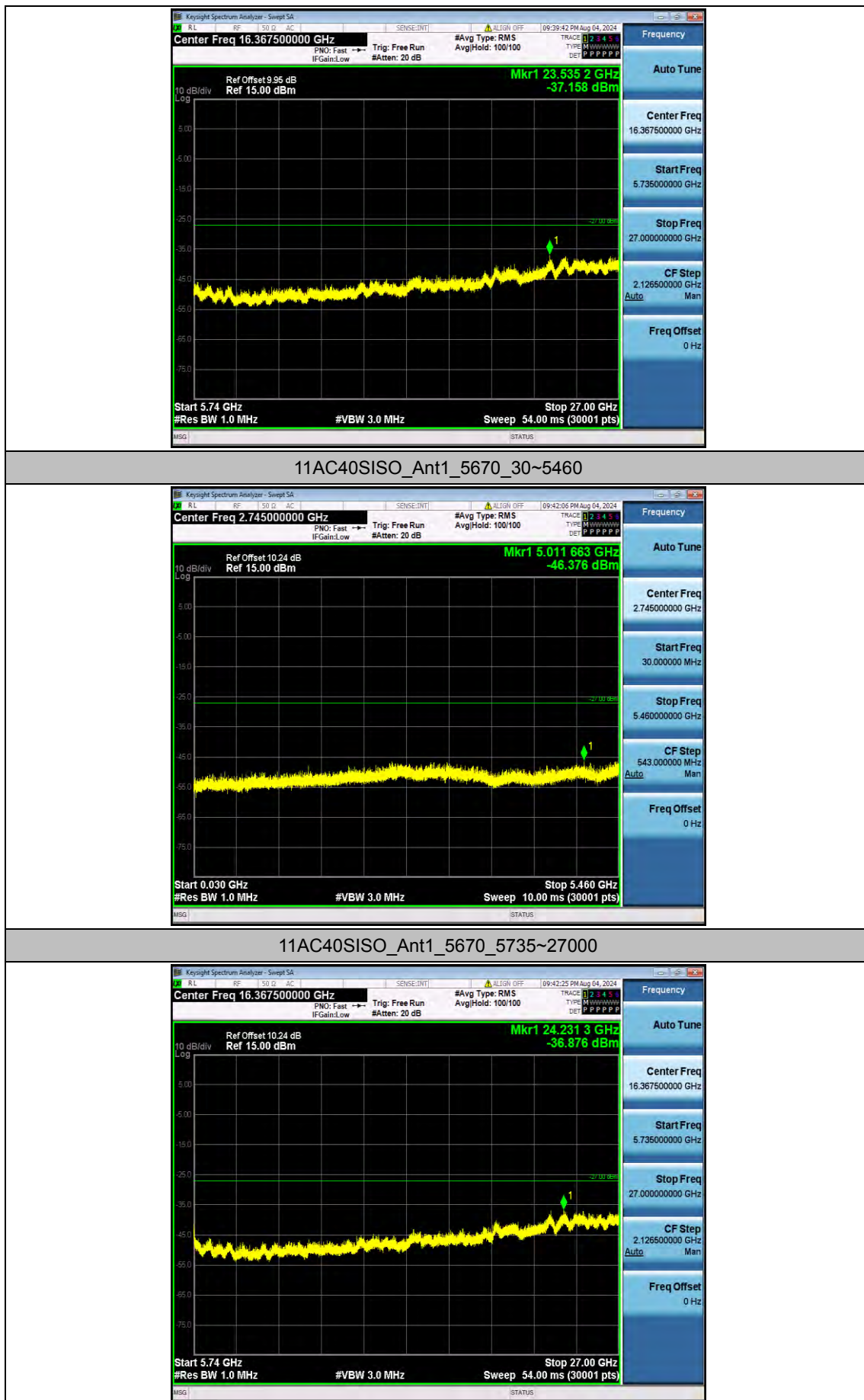
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11AC40SISO_Ant1_5590_30~5460



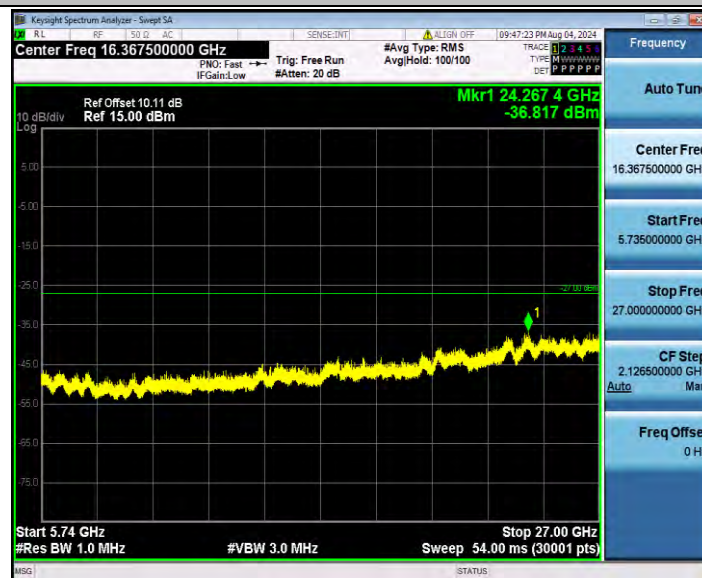
11AC40SISO_Ant1_5590_5735~27000



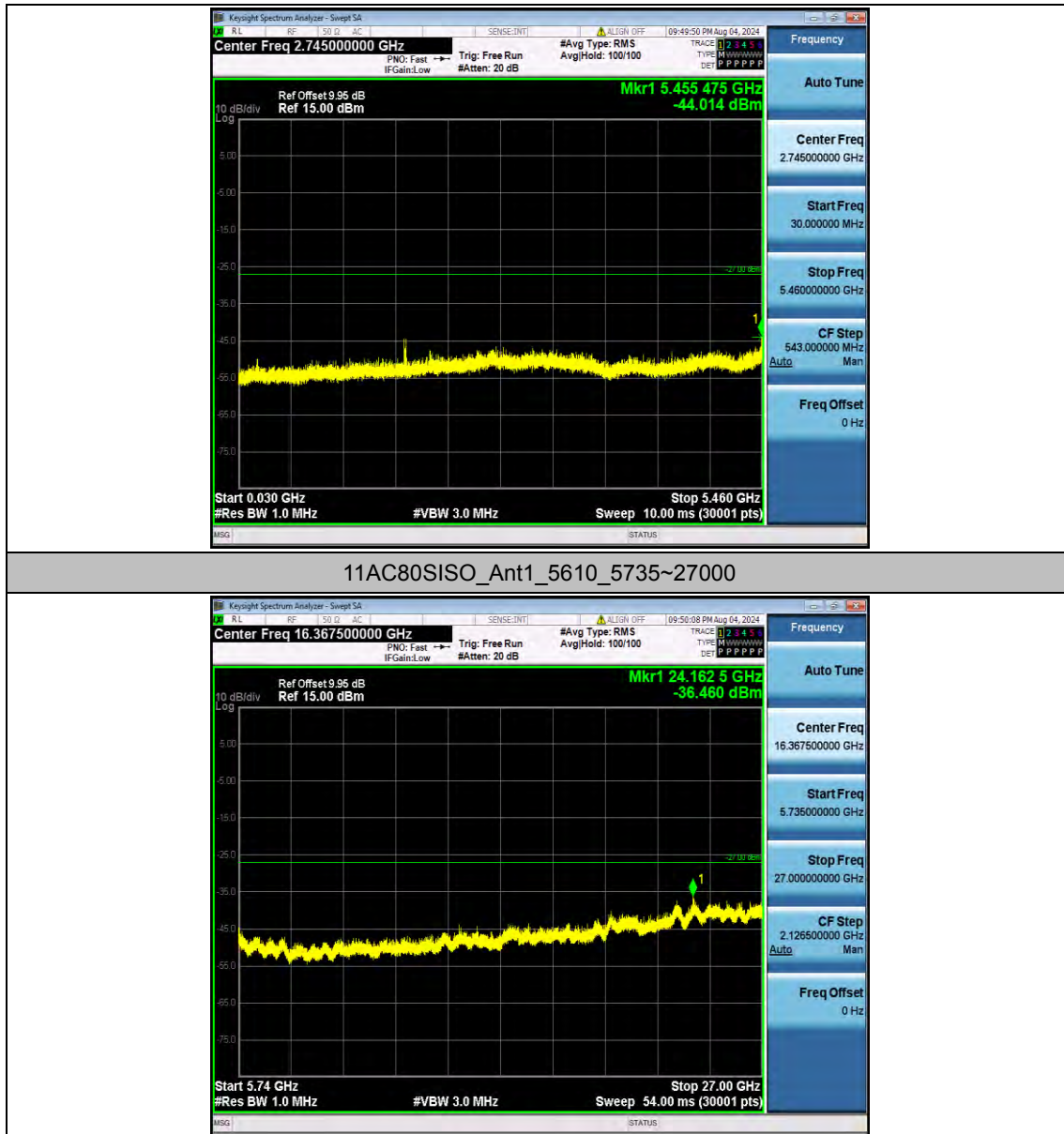
11AC80SISO_Ant1_5530_30~5460



11AC80SISO_Ant1_5530_5735~27000



11AC80SISO_Ant1_5610_30~5460



Appendix F.8: Emissions in Restricted Bands

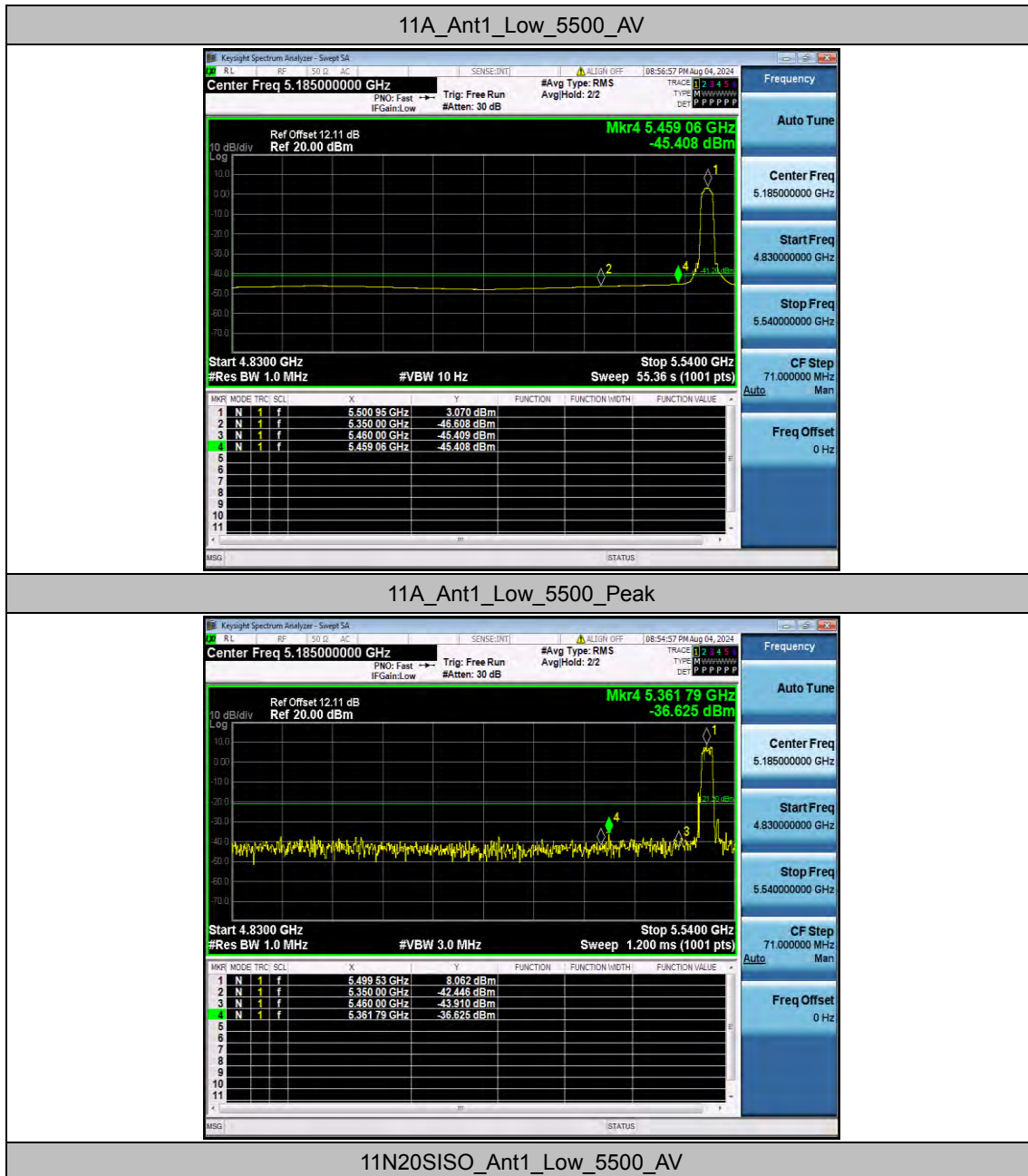
Test Result

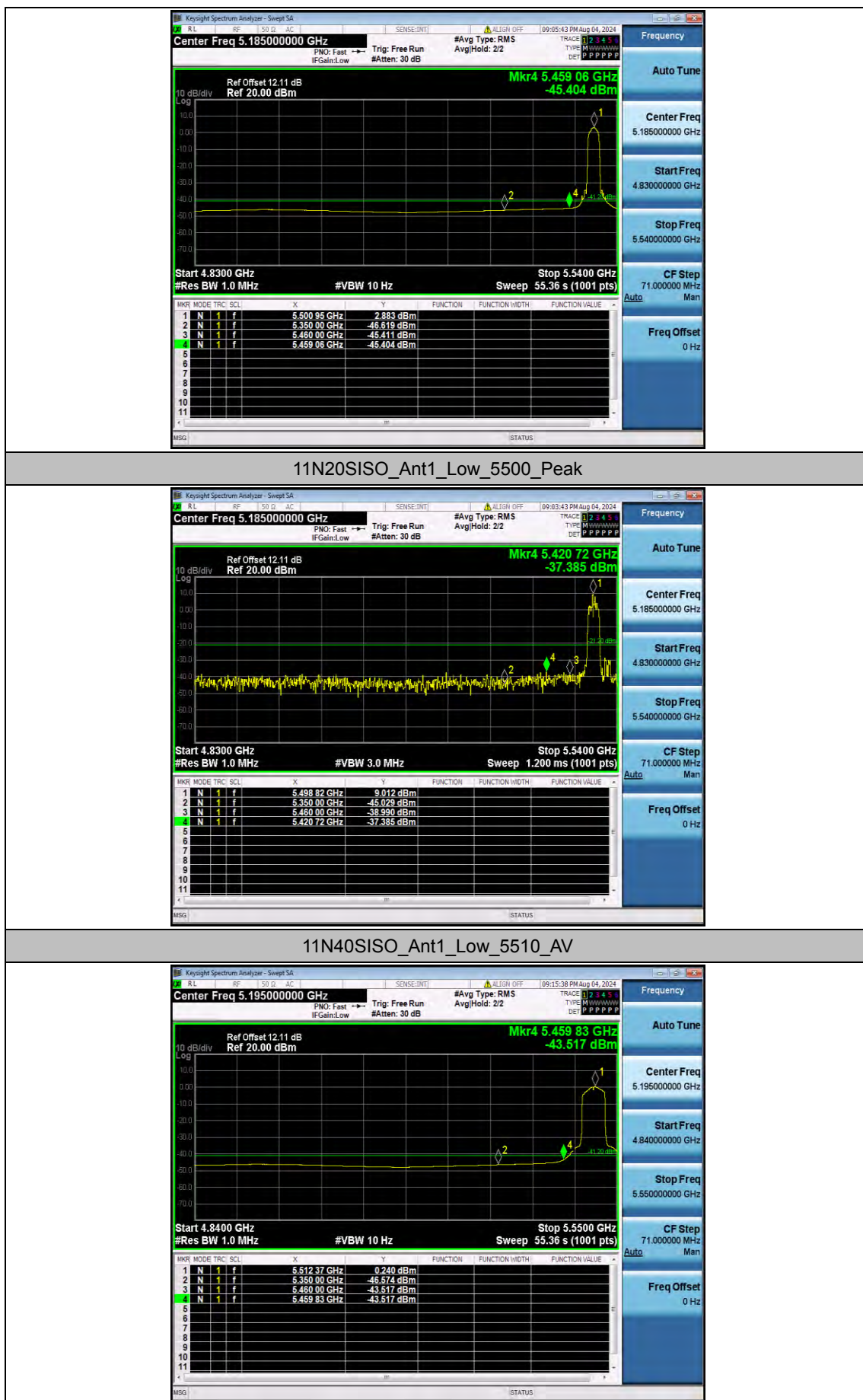
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5500	AV	5350.000	-46.61	≤-41.20	48.59	≤54	PASS
				AV	5459.060	-45.41	≤-41.20	49.79	≤54	PASS
				AV	5460.000	-45.41	≤-41.20	49.79	≤54	PASS
				Peak	5350.000	-42.45	≤-21.20	52.75	≤74	PASS
				Peak	5361.790	-36.62	≤-21.20	58.58	≤74	PASS
				Peak	5460.000	-43.91	≤-21.20	51.29	≤74	PASS
11N20SIS O	Ant1	Low	5500	AV	5350.000	-46.62	≤-41.20	48.58	≤54	PASS
				AV	5459.060	-45.4	≤-41.20	49.80	≤54	PASS
				AV	5460.000	-45.41	≤-41.20	49.79	≤54	PASS
				Peak	5350.000	-45.03	≤-21.20	50.17	≤74	PASS
				Peak	5420.720	-37.39	≤-21.20	57.81	≤74	PASS
				Peak	5460.000	-38.99	≤-21.20	56.21	≤74	PASS
11N40SIS O	Ant1	Low	5510	AV	5350.000	-46.57	≤-41.20	48.63	≤54	PASS
				AV	5459.830	-43.52	≤-41.20	51.68	≤54	PASS
				AV	5460.000	-43.52	≤-41.20	51.68	≤54	PASS
				Peak	5350.000	-44.41	≤-21.20	50.79	≤74	PASS
				Peak	5450.600	-37.79	≤-21.20	57.41	≤74	PASS
				Peak	5460.000	-37.95	≤-21.20	57.25	≤74	PASS
11AC20SI SO	Ant1	Low	5500	AV	5350.000	-46.63	≤-41.20	48.57	≤54	PASS
				AV	5459.770	-45.2	≤-41.20	50.00	≤54	PASS
				AV	5460.000	-45.2	≤-41.20	50.00	≤54	PASS
				Peak	5350.000	-42.02	≤-21.20	53.18	≤74	PASS
				Peak	5454.800	-39.2	≤-21.20	56.00	≤74	PASS
				Peak	5460.000	-42.03	≤-21.20	53.17	≤74	PASS
11AC40SI SO	Ant1	Low	5510	AV	5350.000	-46.61	≤-41.20	48.59	≤54	PASS
				AV	5459.830	-43.05	≤-41.20	52.15	≤54	PASS
				AV	5460.000	-43.05	≤-41.20	52.15	≤54	PASS
				Peak	5350.000	-39.01	≤-21.20	56.19	≤74	PASS
				Peak	5456.990	-35.21	≤-21.20	59.99	≤74	PASS
				Peak	5460.000	-39.99	≤-21.20	55.21	≤74	PASS
11AC80SI SO	Ant1	Low	5530	AV	5350.000	-46.62	≤-41.20	48.58	≤54	PASS
				AV	5459.950	-41.33	≤-41.20	53.87	≤54	PASS
				AV	5460.000	-41.33	≤-41.20	53.87	≤54	PASS
				Peak	5350.000	-45.65	≤-21.20	49.55	≤74	PASS
				Peak	5445.750	-34.18	≤-21.20	61.02	≤74	PASS
				Peak	5460.000	-40.8	≤-21.20	54.40	≤74	PASS

Note:

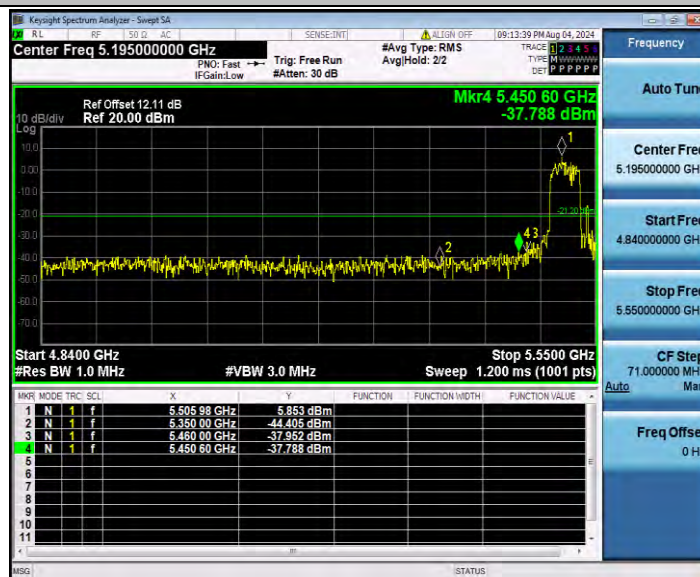
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs





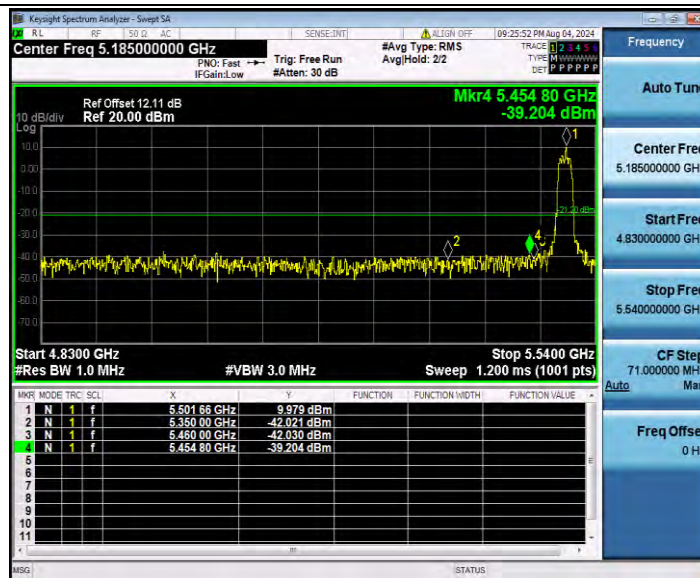
11N40SISO_Ant1_Low_5510_Peak



11AC20SISO_Ant1_Low_5500_AV



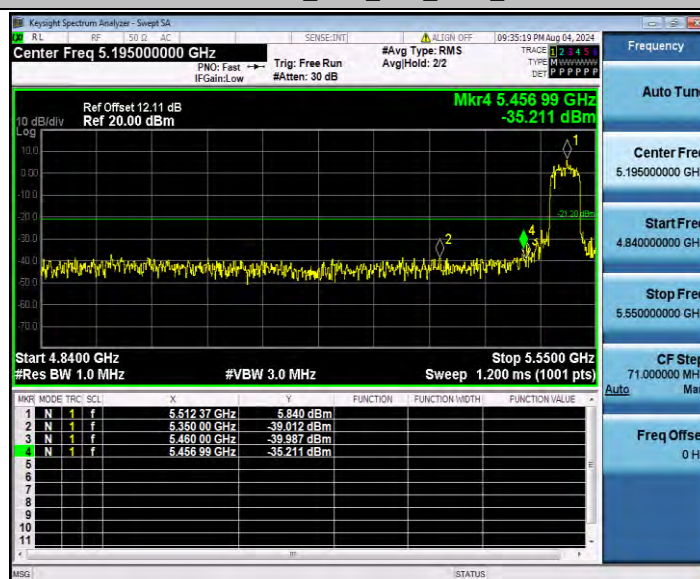
11AC20SISO_Ant1_Low_5500_Peak



11AC40SISO_Ant1_Low_5510_AV



11AC40SISO_Ant1_Low_5510_Peak



11AC80SISO_Ant1_Low_5530_AV



11AC80SISO_Ant1_Low_5530_Peak

