

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	9.78	97.89	0.09	9.87	≤23.98	PASS
		5580	9.25	97.20	0.12	9.37	≤23.98	PASS
		5700	6.83	97.20	0.12	6.95	≤23.98	PASS
11N20SISO	Ant1	5500	11.67	97.01	0.13	11.80	≤23.98	PASS
		5580	10.73	97.01	0.13	10.86	≤23.98	PASS
		5700	8.39	97.01	0.13	8.52	≤23.98	PASS
11N40SISO	Ant1	5510	11.58	95.59	0.20	11.78	≤23.98	PASS
		5590	10.53	94.12	0.26	10.79	≤23.98	PASS
		5670	9.12	94.12	0.26	9.38	≤23.98	PASS
11AC20SISO	Ant1	5500	11.81	97.76	0.10	11.91	≤23.98	PASS
		5580	10.79	97.04	0.13	10.92	≤23.98	PASS
		5700	8.59	97.76	0.10	8.69	≤23.98	PASS
11AC40SISO	Ant1	5510	11.77	94.20	0.26	12.03	≤23.98	PASS
		5590	10.89	94.20	0.26	11.15	≤23.98	PASS
		5670	9.30	94.20	0.26	9.56	≤23.98	PASS
11AC80SISO	Ant1	5530	10.97	88.89	0.51	11.48	≤23.98	PASS
		5610	9.51	91.43	0.39	9.90	≤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	-0.51	≤11.00	PASS
		5580	-1.28	≤11.00	PASS
		5700	-3.42	≤11.00	PASS
11N20SISO	Ant1	5500	1.01	≤11.00	PASS
		5580	0.03	≤11.00	PASS
		5700	-1.77	≤11.00	PASS
11N40SISO	Ant1	5510	-1.37	≤11.00	PASS
		5590	-2.47	≤11.00	PASS
		5670	-3.94	≤11.00	PASS
11AC20SISO	Ant1	5500	1.09	≤11.00	PASS
		5580	-0.34	≤11.00	PASS
		5700	-1.90	≤11.00	PASS
11AC40SISO	Ant1	5510	-1.14	≤11.00	PASS
		5590	-2.14	≤11.00	PASS
		5670	-3.87	≤11.00	PASS
11AC80SISO	Ant1	5530	-4.46	≤11.00	PASS
		5610	-6.43	≤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



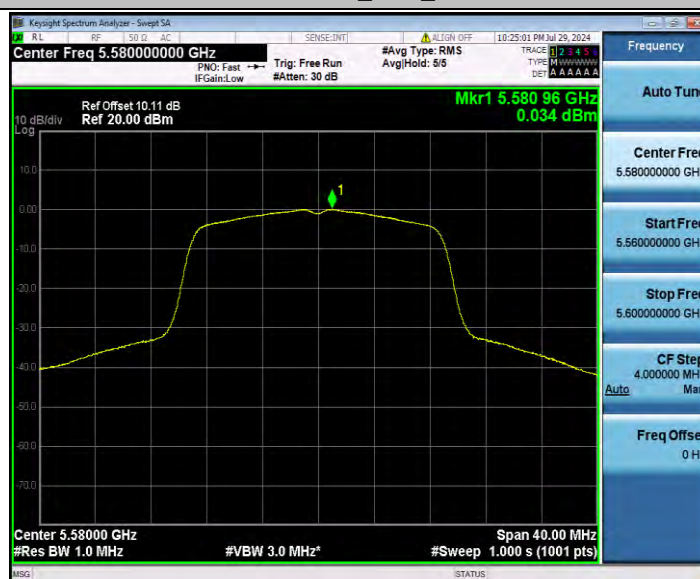
11A_Ant1_5700



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

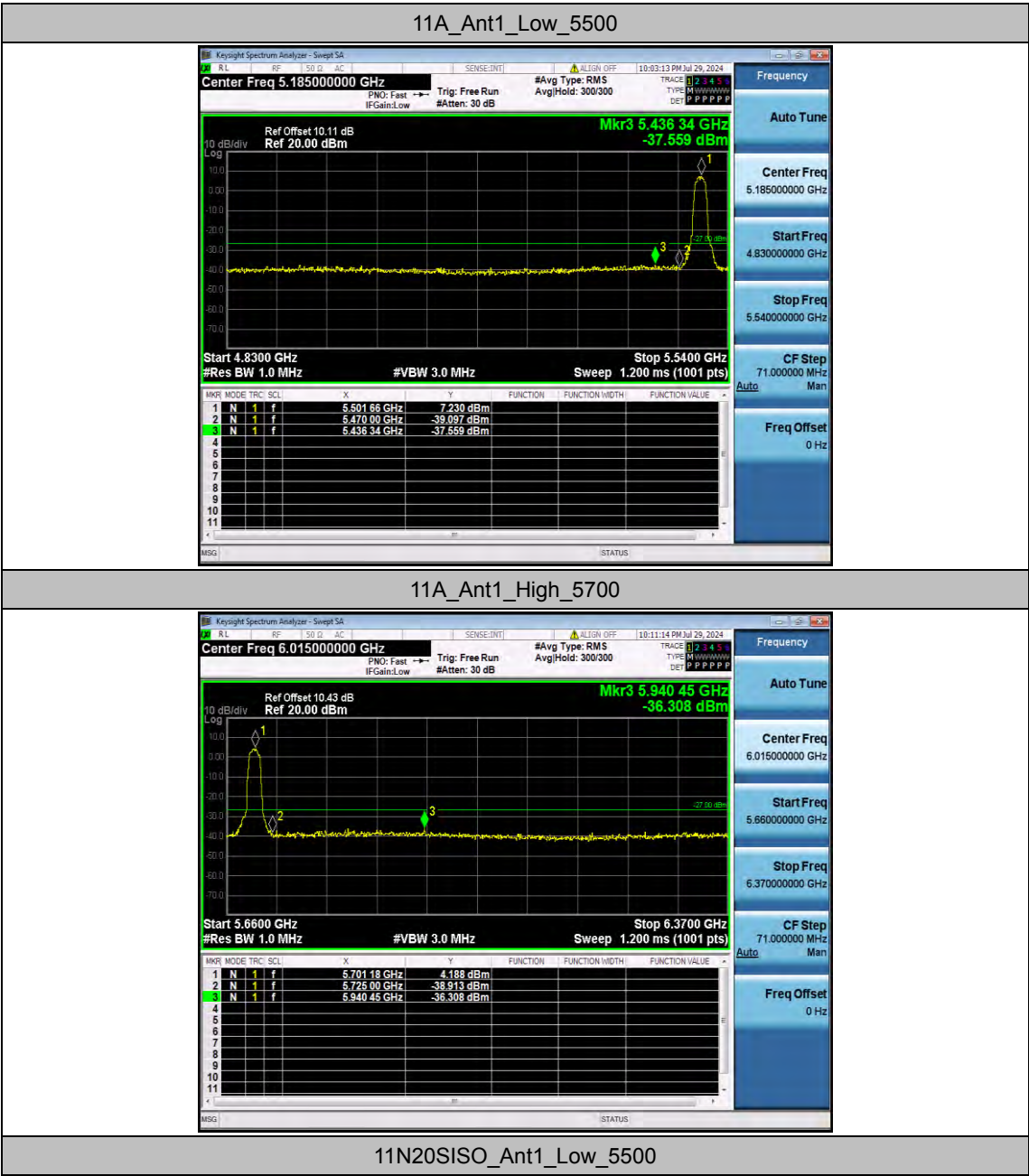


Appendix F.6: Band edge measurements

Test Result B1

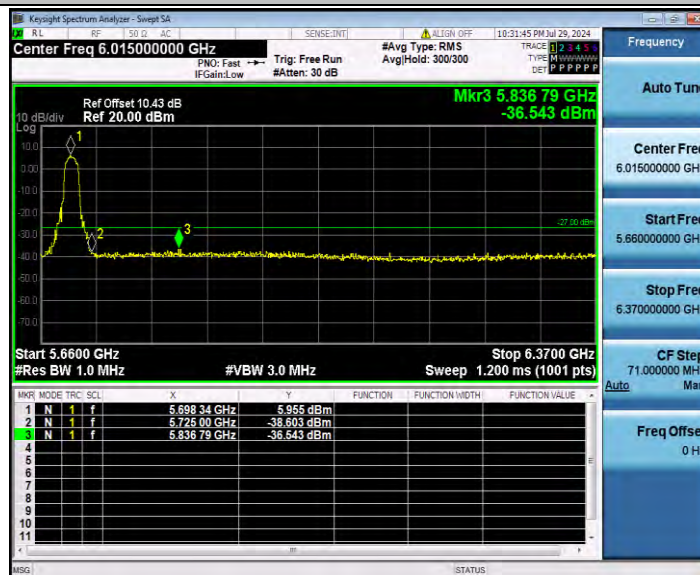
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-37.56	≤ -27	PASS
		High	5700	-36.31	≤ -27	PASS
11N20SISO	Ant1	Low	5500	-36.33	≤ -27	PASS
		High	5700	-36.54	≤ -27	PASS
11N40SISO	Ant1	Low	5510	-29.68	≤ -27	PASS
		High	5670	-37.28	≤ -27	PASS
11AC20SISO	Ant1	Low	5500	-36.15	≤ -27	PASS
		High	5700	-36	≤ -27	PASS
11AC40SISO	Ant1	Low	5510	-34.21	≤ -27	PASS
		High	5670	-37.04	≤ -27	PASS
11AC80SISO	Ant1	Low	5530	-27.53	≤ -27	PASS
		High	5610	-35.59	≤ -27	PASS

Test Graphs B1

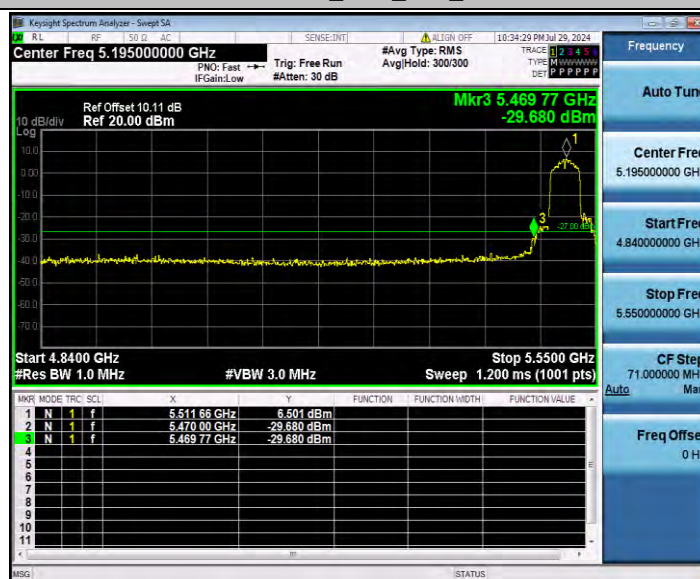




11N20SISO_Ant1_High_5700



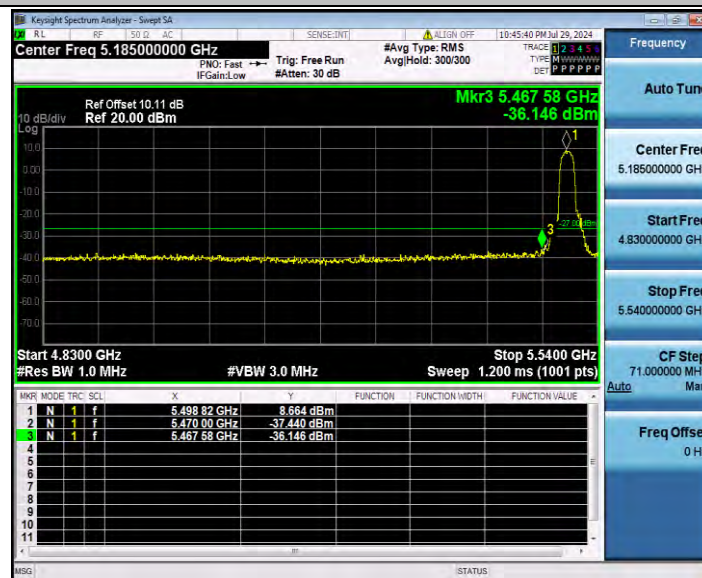
11N40SISO_Ant1_Low_5510



11N40SISO_Ant1_High_5670



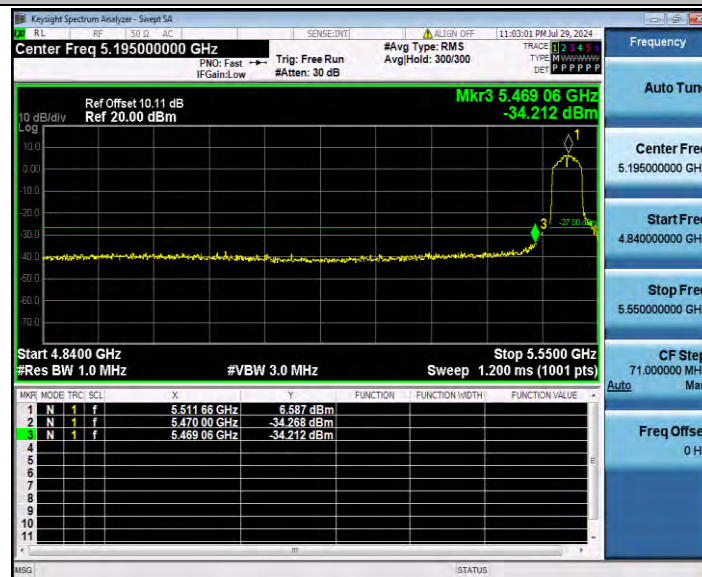
11AC20SISO_Ant1_Low_5500



11AC20SISO_Ant1_High_5700



11AC40SISO_Ant1_Low_5510



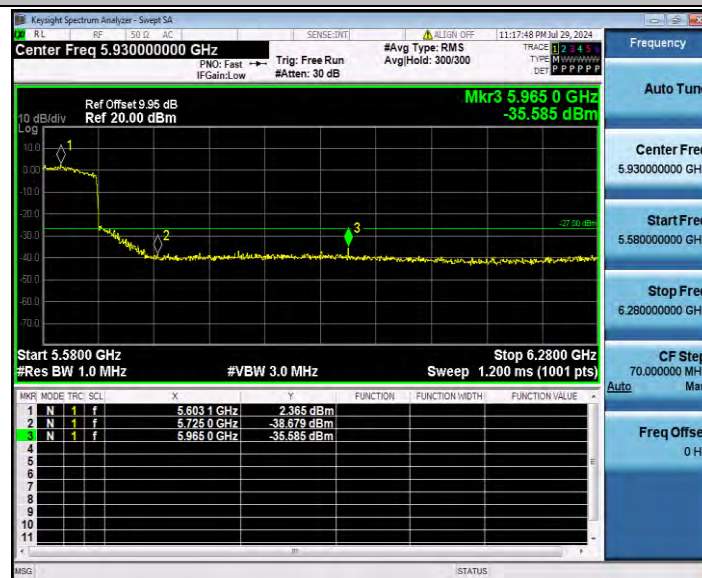
11AC40SISO_Ant1_High_5670



11AC80SISO_Ant1_Low_5530



11AC80SISO_Ant1_High_5610

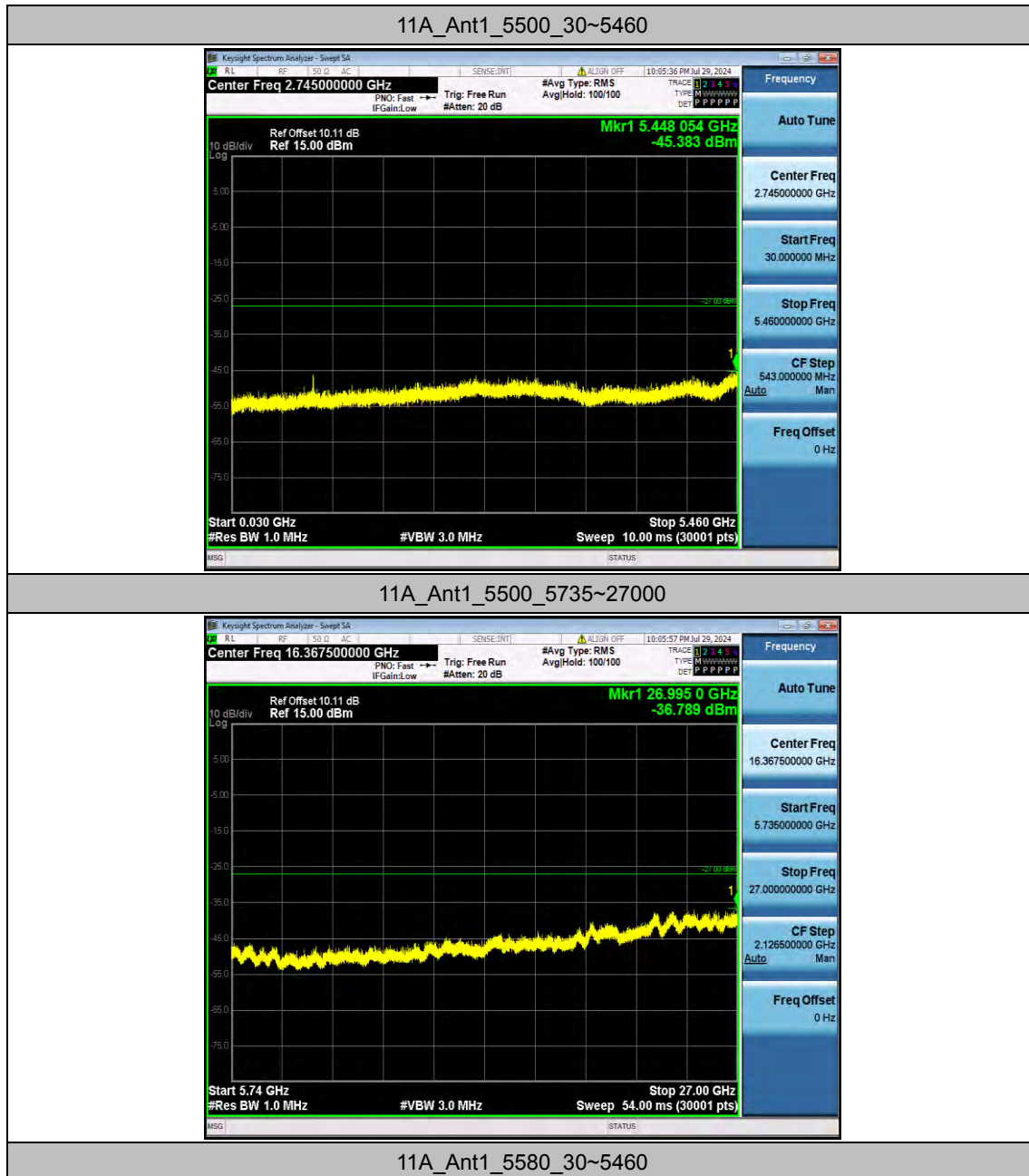


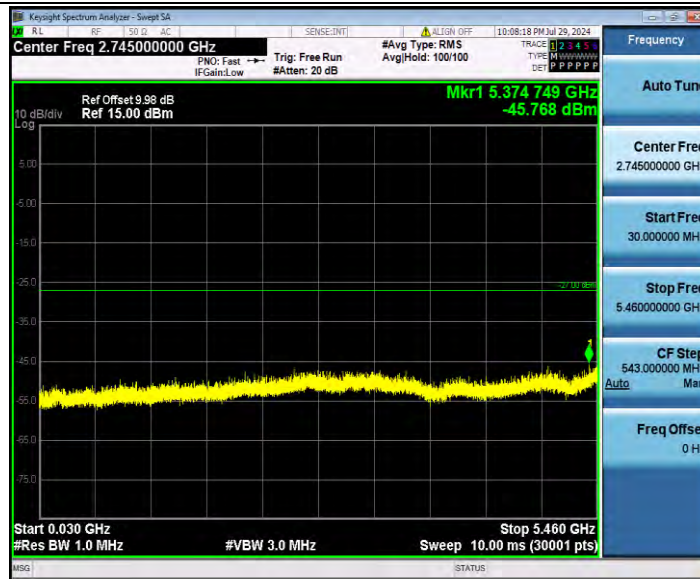
Appendix F.7: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	5448.05	-45.38	≤-27	PASS
			5735~27000	26995.04	-36.79	≤-27	PASS
		5580	30~5460	5374.75	-45.77	≤-27	PASS
			5735~27000	26838.39	-36.95	≤-27	PASS
		5700	30~5460	2799.48	-44.98	≤-27	PASS
			5735~27000	25069.85	-36.94	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5455.48	-43.87	≤-27	PASS
			5735~27000	26061.5	-37.25	≤-27	PASS
		5580	30~5460	833.1	-40.14	≤-27	PASS
			5735~27000	26510.91	-36.56	≤-27	PASS
		5700	30~5460	3015.6	-45.6	≤-27	PASS
			5735~27000	24262.49	-36.58	≤-27	PASS
11N40SISO	Ant1	5510	30~5460	5459.28	-34.84	≤-27	PASS
			5735~27000	26053.71	-37.07	≤-27	PASS
		5590	30~5460	5436.29	-45.33	≤-27	PASS
			5735~27000	26965.98	-36.73	≤-27	PASS
		5670	30~5460	3289.45	-46.07	≤-27	PASS
			5735~27000	24255.4	-36.8	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	5442.81	-43.62	≤-27	PASS
			5735~27000	24236.97	-36.83	≤-27	PASS
		5580	30~5460	5440.09	-45.97	≤-27	PASS
			5735~27000	24337.62	-37.19	≤-27	PASS
		5700	30~5460	1744.25	-41.52	≤-27	PASS
			5735~27000	24215.7	-36.63	≤-27	PASS
11AC40SISO	Ant1	5510	30~5460	5459.46	-38.61	≤-27	PASS
			5735~27000	24292.26	-36.89	≤-27	PASS
		5590	30~5460	1738.1	-39.95	≤-27	PASS
			5735~27000	24831.68	-36.83	≤-27	PASS
		5670	30~5460	2665	-45.64	≤-27	PASS
			5735~27000	24290.13	-36.7	≤-27	PASS
11AC80SISO	Ant1	5530	30~5460	5456.56	-30.23	≤-27	PASS
			5735~27000	26555.56	-37.08	≤-27	PASS
		5610	30~5460	5455.48	-44.38	≤-27	PASS
			5735~27000	23517.5	-36.91	≤-27	PASS

Test Graphs

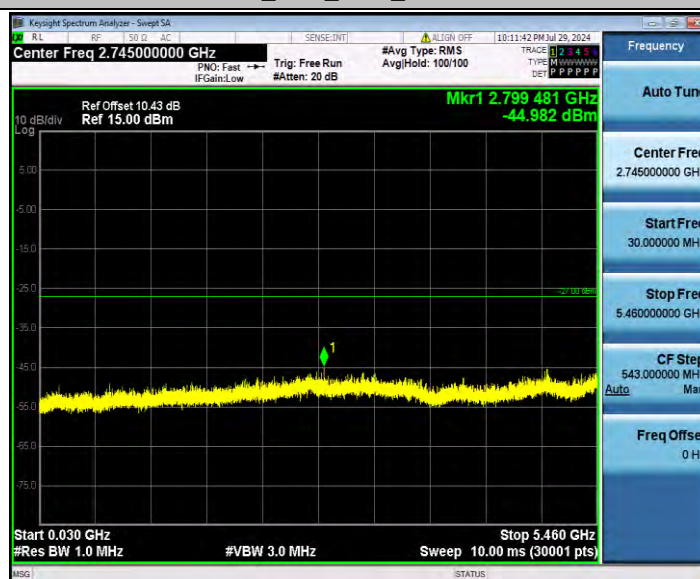




11A_Ant1_5580_5735~27000



11A_Ant1_5700_30~5460



11A_Ant1_5700_5735~27000



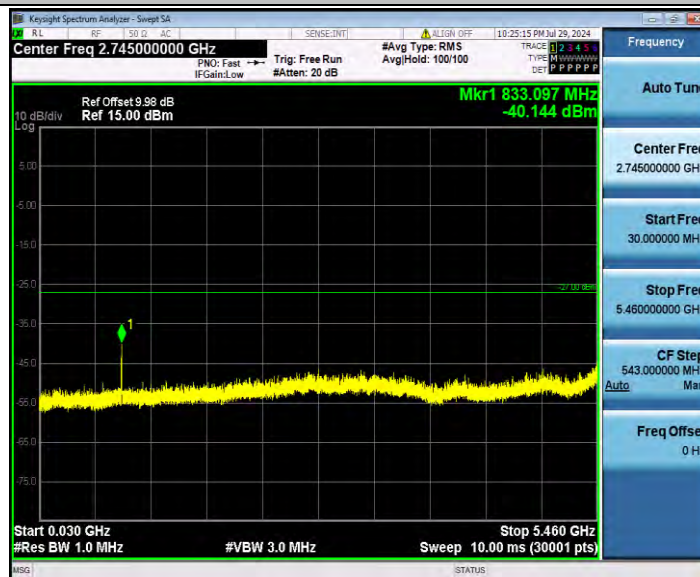
11N20SISO_Ant1_5500_30~5460



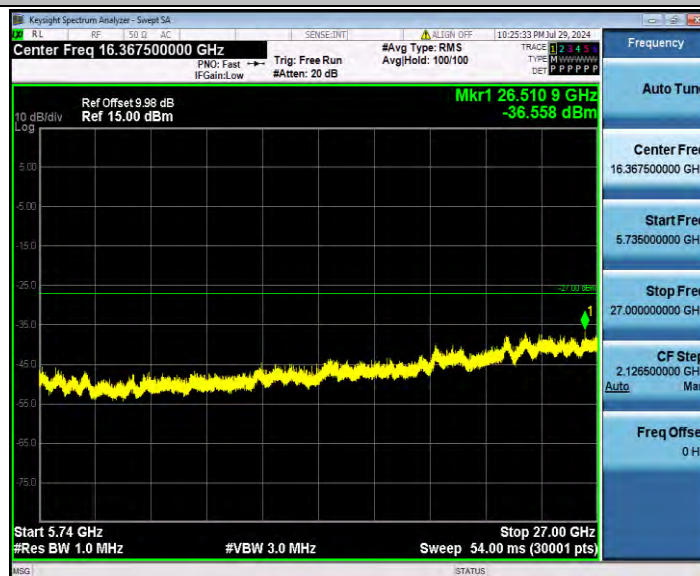
11N20SISO_Ant1_5500_5735~27000



11N20SISO_Ant1_5580_30~5460



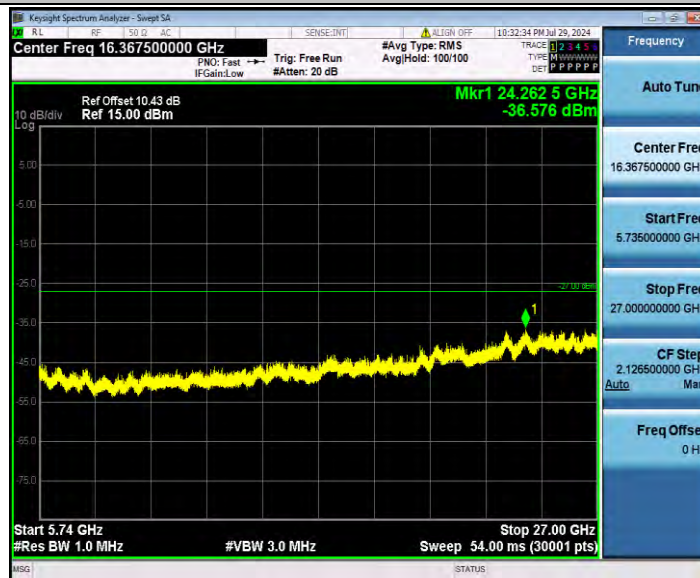
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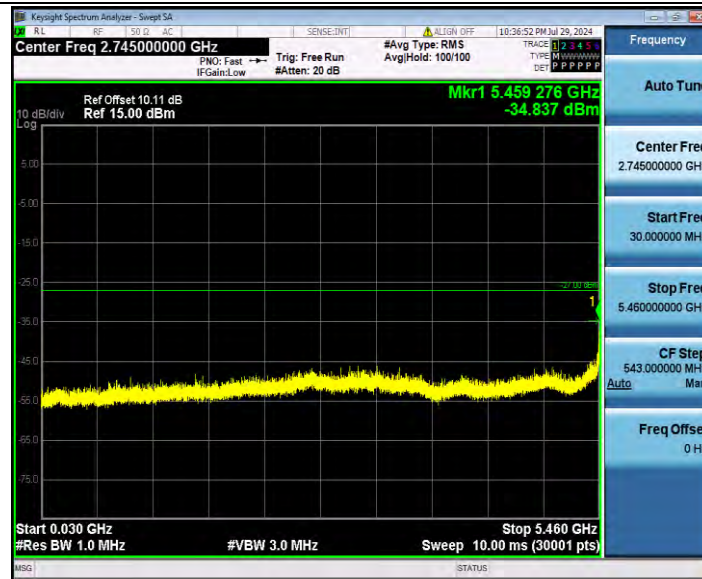
11N20SISO_Ant1_5700_30~5460



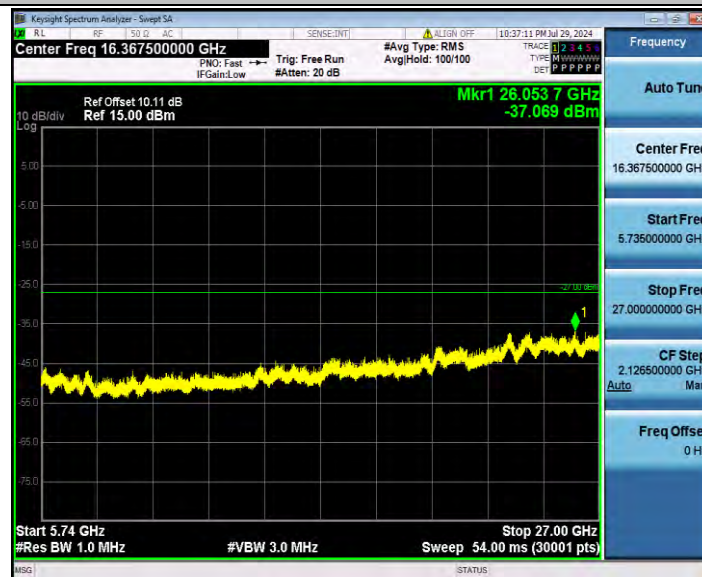
11N20SISO_Ant1_5700_5735~27000



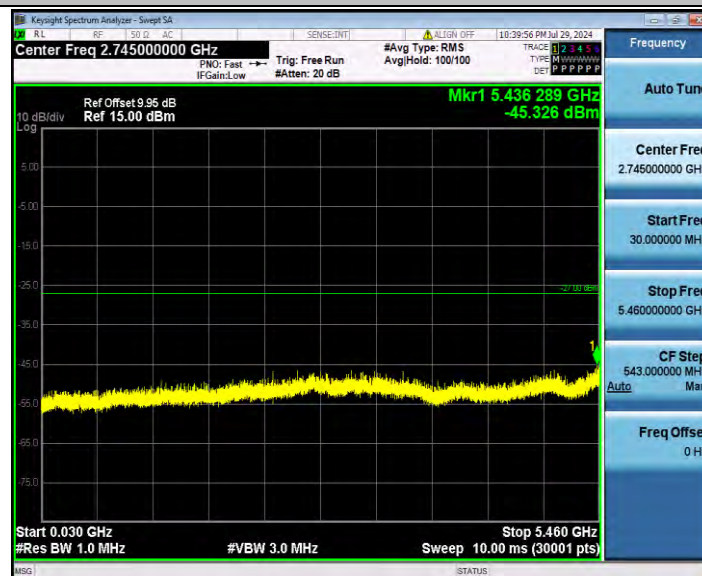
11N40SISO_Ant1_5510_30~5460



11N40SISO_Ant1_5510_5735~27000



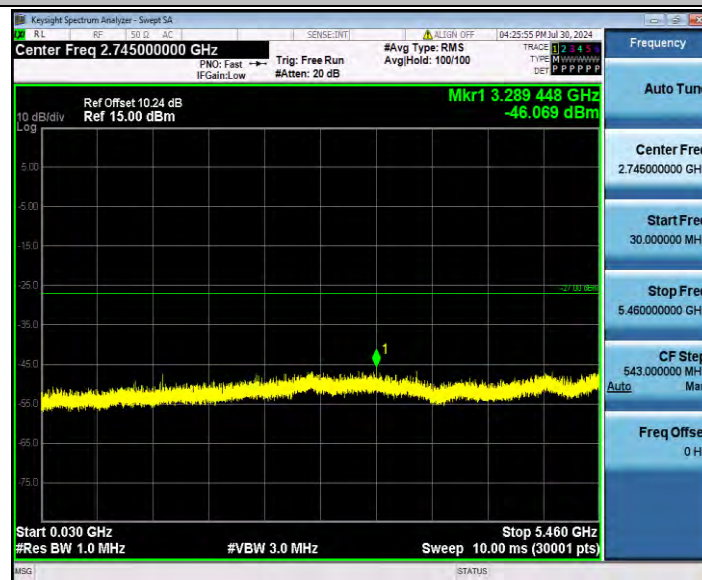
11N40SISO_Ant1_5590_30~5460



11N40SISO_Ant1_5590_5735~27000



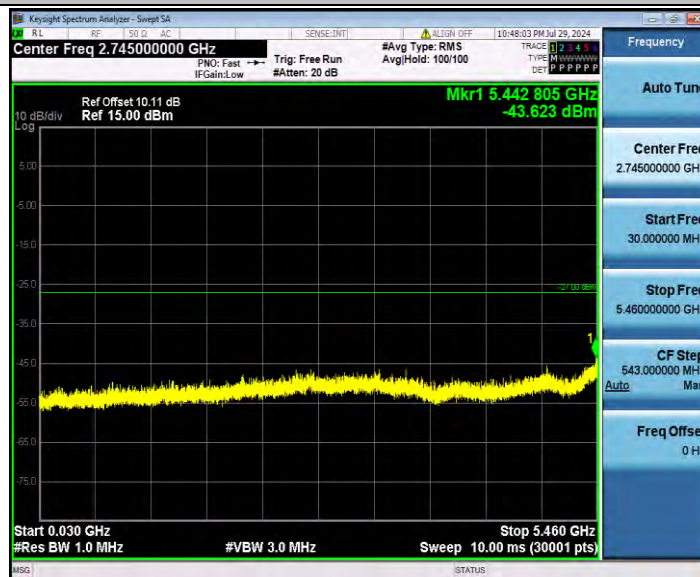
11N40SISO_Ant1_5670_30~5460



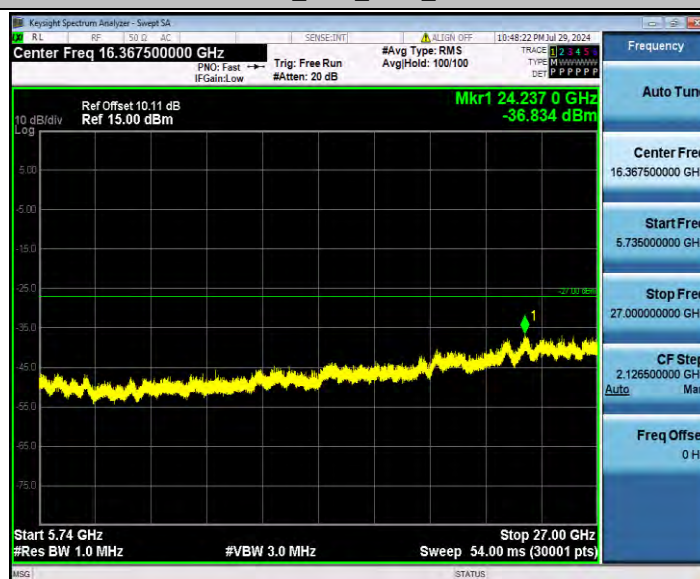
11N40SISO_Ant1_5670_5735~27000



11AC20SISO_Ant1_5500_30~5460



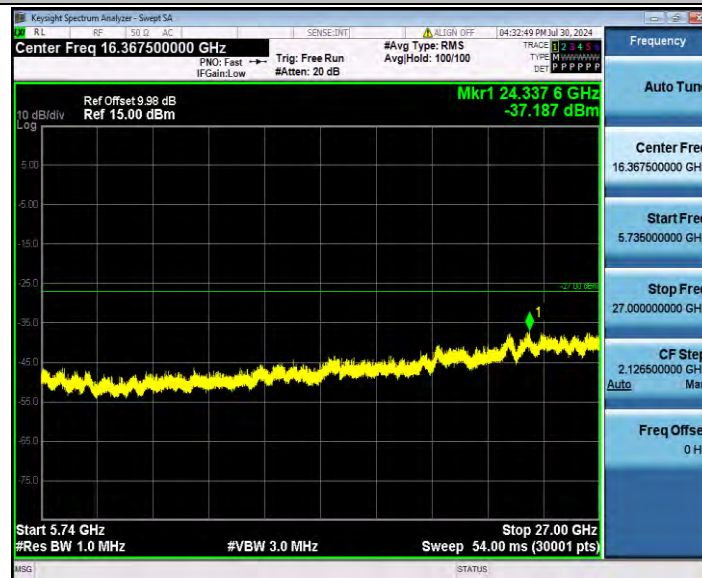
11AC20SISO_Ant1_5500_5735~27000



11AC20SISO_Ant1_5580_30~5460



11AC20SISO_Ant1_5580_5735~27000



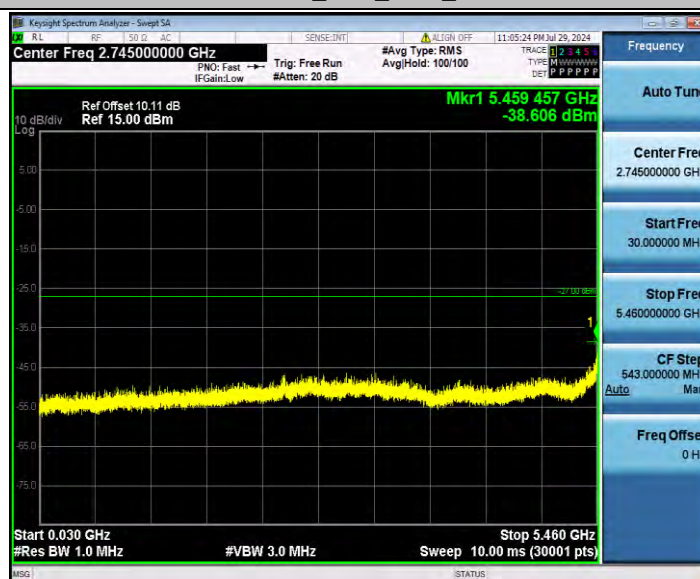
11AC20SISO_Ant1_5700_30~5460



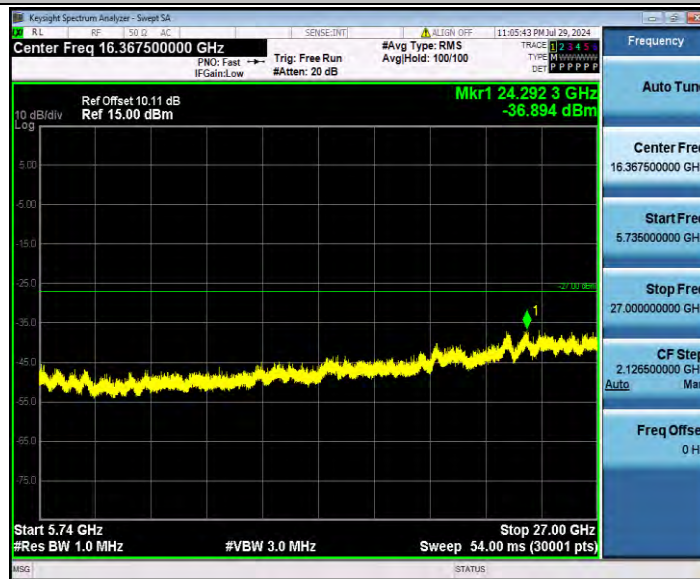
11AC20SISO_Ant1_5700_5735~27000



11AC40SISO_Ant1_5510_30~5460



11AC40SISO_Ant1_5510_5735~27000



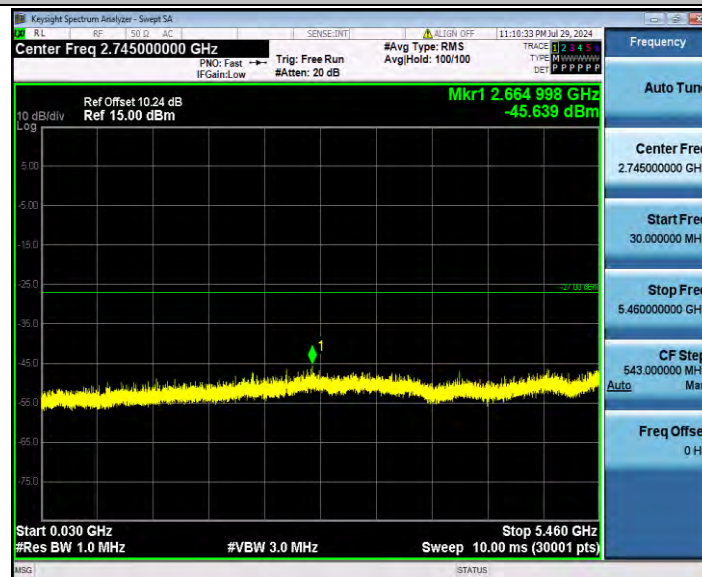
11AC40SISO_Ant1_5590_30~5460



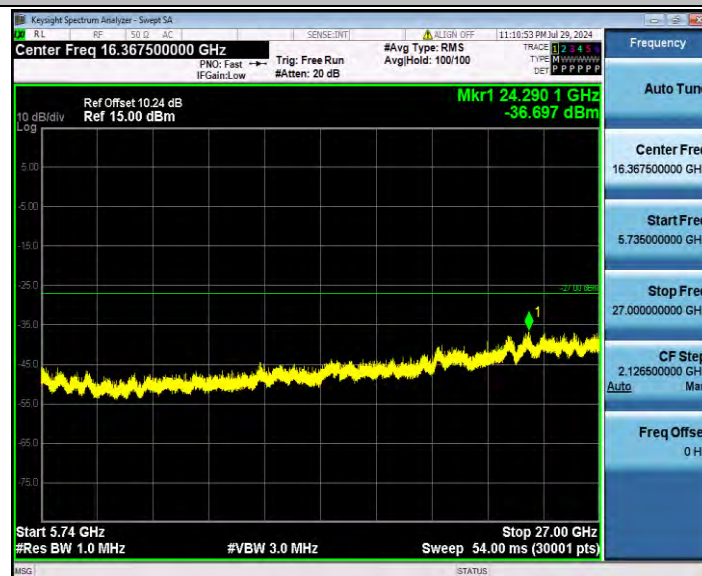
11AC40SISO_Ant1_5590_5735~27000



11AC40SISO_Ant1_5670_30~5460



11AC40SISO_Ant1_5670_5735~27000



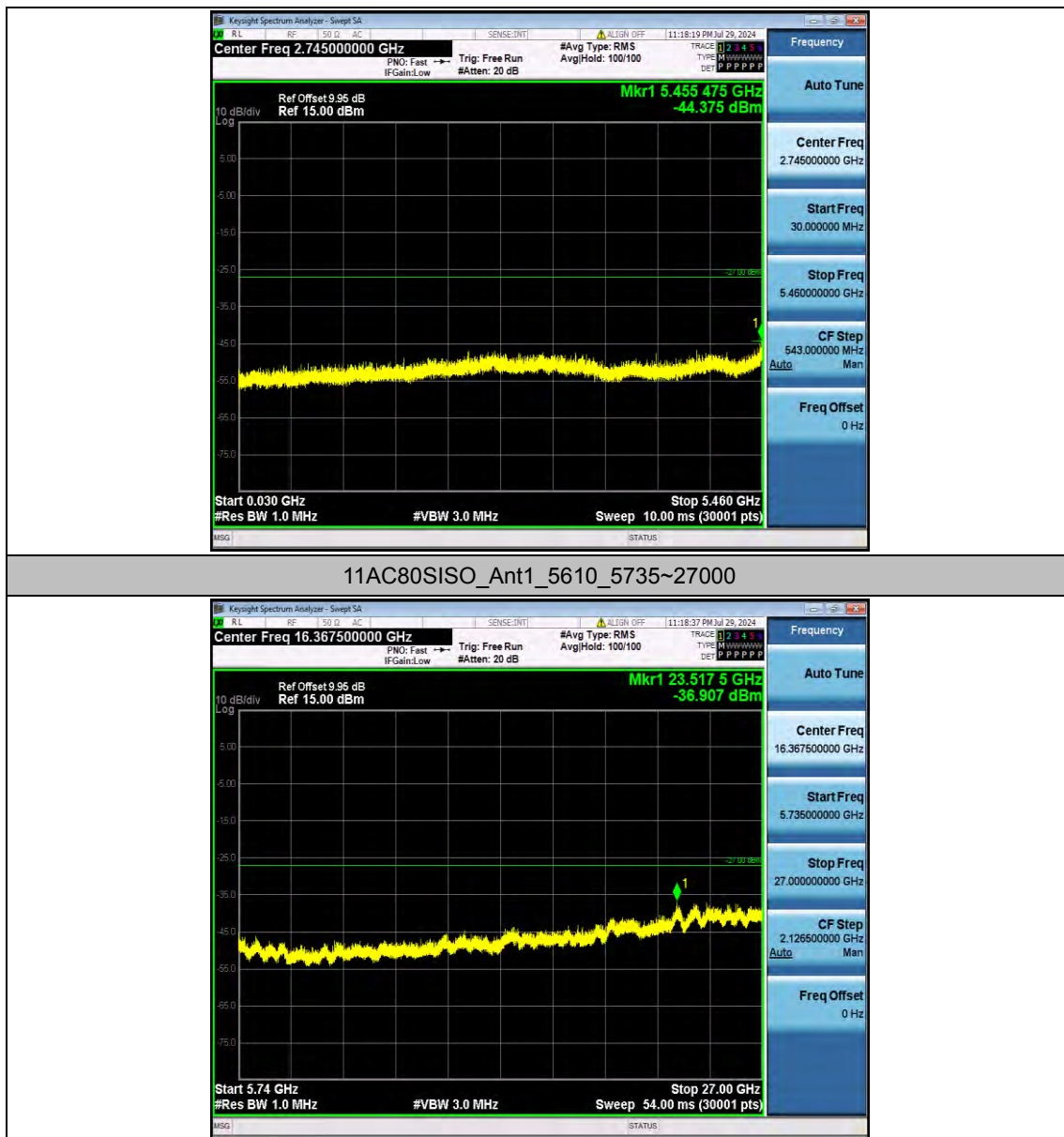
11AC80SISO_Ant1_5530_30~5460



11AC80SISO_Ant1_5530_5735~27000



11AC80SISO_Ant1_5610_30~5460



Appendix F.8: Emissions in Restricted Bands

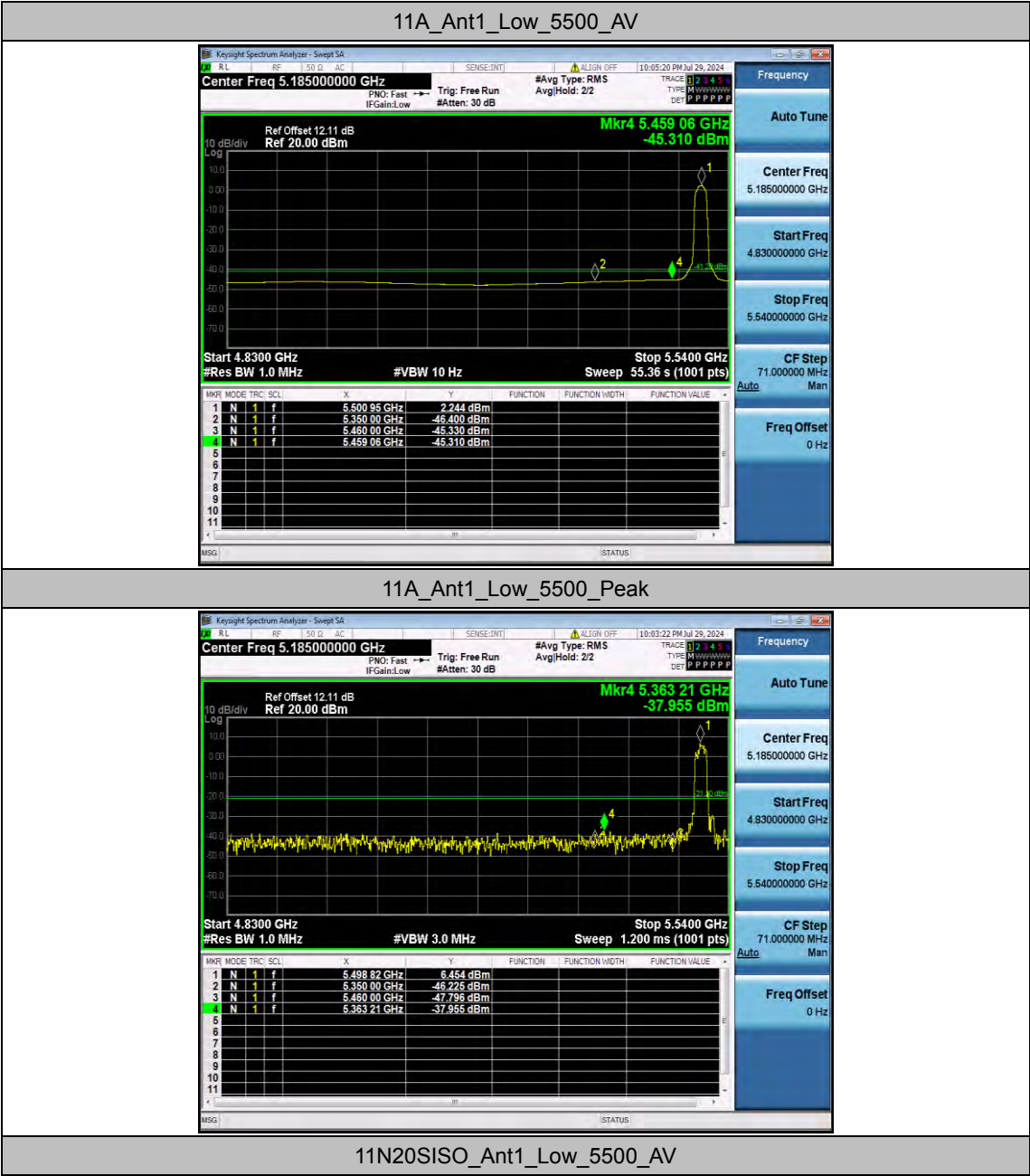
Test Result

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	-46.4	≤-41.20	48.80	≤54	PASS
				AV	5459.060	-45.31	≤-41.20	49.89	≤54	PASS
				AV	5460.000	-45.33	≤-41.20	49.87	≤54	PASS
				Peak	5350.000	-46.23	≤-21.20	48.97	≤74	PASS
				Peak	5363.210	-37.95	≤-21.20	57.25	≤74	PASS
				Peak	5460.000	-47.8	≤-21.20	47.40	≤74	PASS
11N20SIS O	Ant1	Low	5500	AV	5350.000	-46.31	≤-41.20	48.89	≤54	PASS
				AV	5459.060	-45.11	≤-41.20	50.09	≤54	PASS
				AV	5460.000	-45.12	≤-41.20	50.08	≤54	PASS
				Peak	5350.000	-40.04	≤-21.20	55.16	≤74	PASS
				Peak	5415.750	-36.53	≤-21.20	58.67	≤74	PASS
				Peak	5460.000	-42.58	≤-21.20	52.62	≤74	PASS
11N40SIS O	Ant1	Low	5510	AV	5350.000	-46.35	≤-41.20	48.85	≤54	PASS
				AV	5459.830	-43.58	≤-41.20	51.62	≤54	PASS
				AV	5460.000	-43.58	≤-41.20	51.62	≤54	PASS
				Peak	5350.000	-42.64	≤-21.20	52.56	≤74	PASS
				Peak	5456.990	-37.75	≤-21.20	57.45	≤74	PASS
				Peak	5460.000	-42.97	≤-21.20	52.23	≤74	PASS
11AC20SI SO	Ant1	Low	5500	AV	5350.000	-46.34	≤-41.20	48.86	≤54	PASS
				AV	5459.770	-45.12	≤-41.20	50.08	≤54	PASS
				AV	5460.000	-45.12	≤-41.20	50.08	≤54	PASS
				Peak	5350.000	-42.43	≤-21.20	52.77	≤74	PASS
				Peak	5371.020	-37.66	≤-21.20	57.54	≤74	PASS
				Peak	5460.000	-42.34	≤-21.20	52.86	≤74	PASS
11AC40SI SO	Ant1	Low	5510	AV	5350.000	-46.45	≤-41.20	48.75	≤54	PASS
				AV	5459.830	-43.54	≤-41.20	51.66	≤54	PASS
				AV	5460.000	-43.54	≤-41.20	51.66	≤54	PASS
				Peak	5350.000	-45.44	≤-21.20	49.76	≤74	PASS
				Peak	5370.370	-37.52	≤-21.20	57.68	≤74	PASS
				Peak	5460.000	-39.66	≤-21.20	55.54	≤74	PASS
11AC80SI SO	Ant1	Low	5530	AV	5350.000	-46.5	≤-41.20	48.70	≤54	PASS
				AV	5458.530	-38.24	≤-41.20	56.96	≤54	PASS
				AV	5460.000	-38.54	≤-41.20	56.66	≤54	PASS
				Peak	5350.000	-45.19	≤-21.20	50.01	≤74	PASS
				Peak	5443.620	-29.92	≤-21.20	65.28	≤74	PASS
				Peak	5460.000	-34.12	≤-21.20	61.08	≤74	PASS

Note:

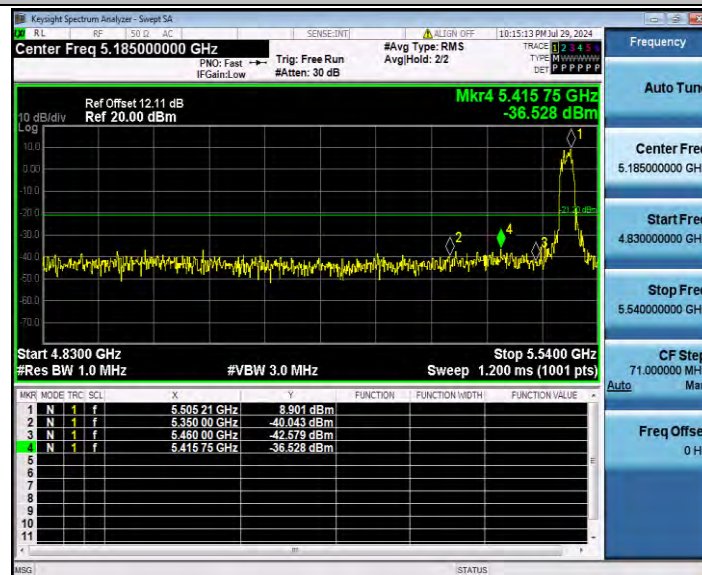
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs





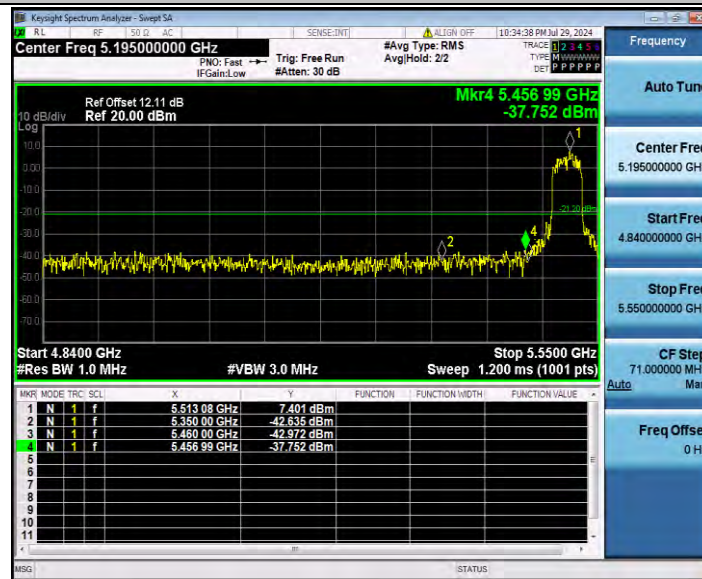
11N20SISO_Ant1_Low_5500_Peak



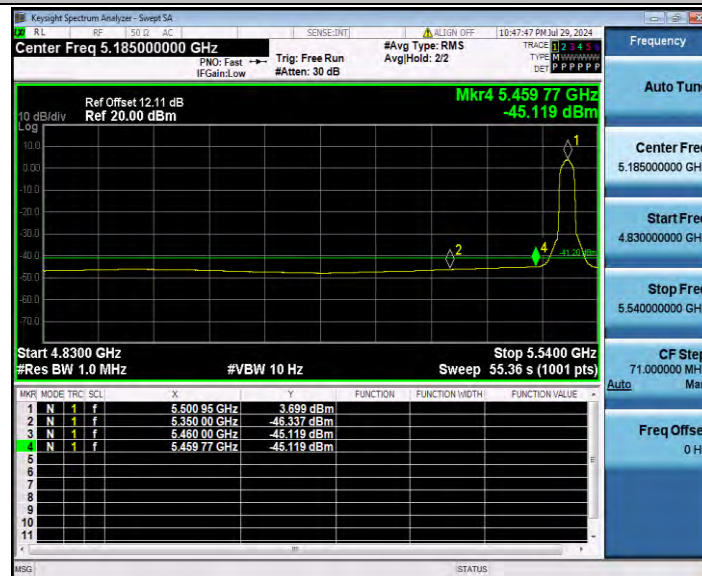
11N40SISO_Ant1_Low_5510_AV



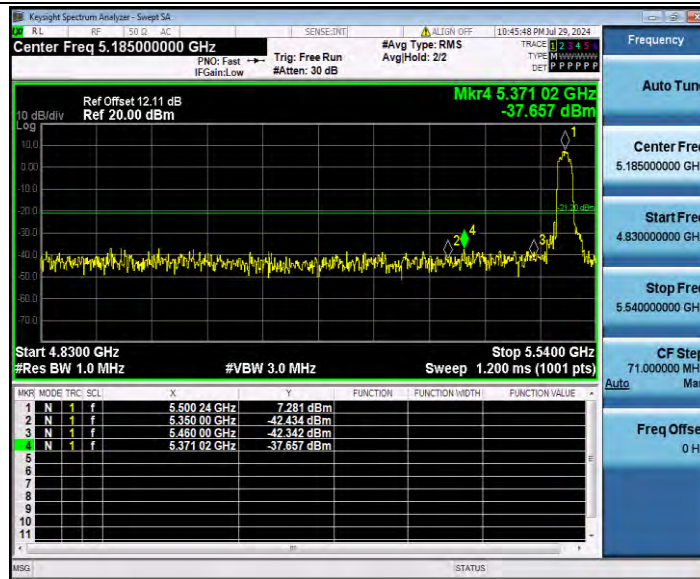
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11AC20SISO_Ant1_Low_5500_AV



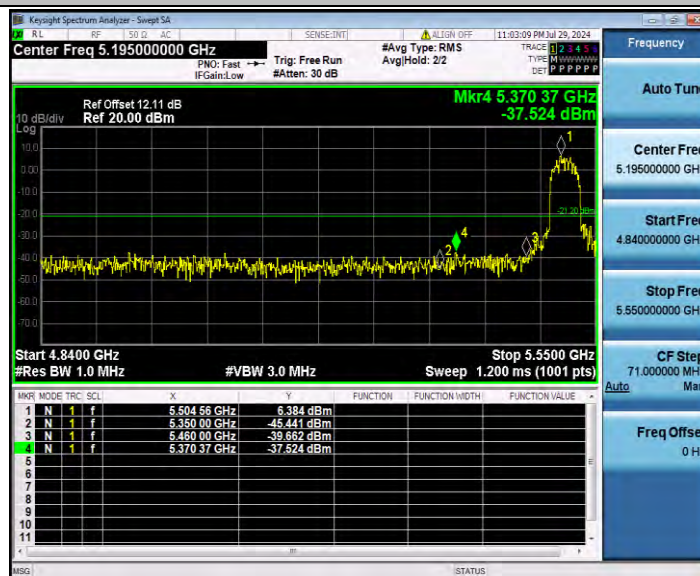
11AC20SISO_Ant1_Low_5500_Peak



11AC40SISO_Ant1_Low_5510_AV



11AC40SISO_Ant1_Low_5510_Peak



11AC80SISO_Ant1_Low_5530_AV



11AC80SISO_Ant1_Low_5530_Peak

