

Appendix D.7: Conducted Spurious Emission

Test Result

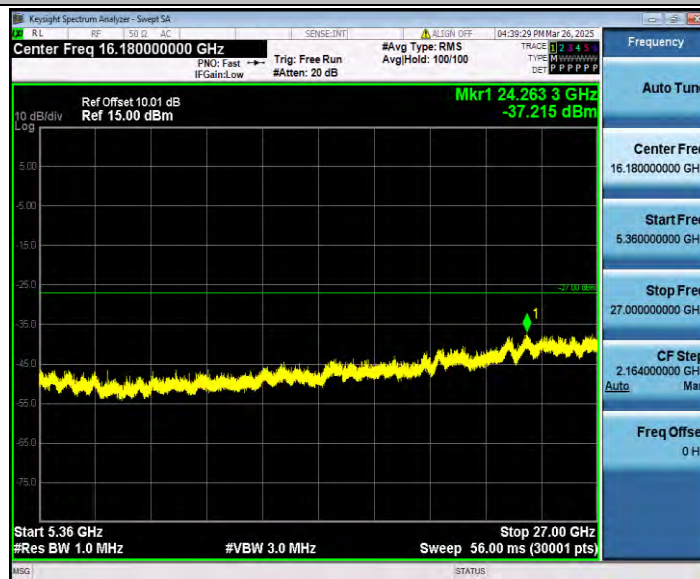
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	30~5140	4951.61	-45.31	≤-27	PASS
			5360~27000	24263.26	-37.22	≤-27	PASS
		5200	30~5140	5045.12	-46.68	≤-27	PASS
			5360~27000	24272.64	-36.57	≤-27	PASS
		5240	30~5140	2650.41	-46.46	≤-27	PASS
			5360~27000	26566.48	-36.9	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	2563.54	-46.71	≤-27	PASS
			5360~27000	23620.55	-37.27	≤-27	PASS
		5200	30~5140	2678.68	-45.76	≤-27	PASS
			5360~27000	25581.86	-37.47	≤-27	PASS
		5240	30~5140	2691.8	-46.39	≤-27	PASS
			5360~27000	26067.32	-36.12	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	3236.87	-46.66	≤-27	PASS
			5360~27000	23544.81	-36.97	≤-27	PASS
		5230	30~5140	2674.6	-45.41	≤-27	PASS
			5360~27000	24286.34	-37.26	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	3016.8	-46.33	≤-27	PASS
			5360~27000	24204.83	-36.99	≤-27	PASS
		5200	30~5140	3052.39	-46.04	≤-27	PASS
			5360~27000	26473.43	-37.15	≤-27	PASS
		5240	30~5140	4936.62	-46.63	≤-27	PASS
			5360~27000	24259.65	-36.84	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5139.66	-42.38	≤-27	PASS
			5360~27000	26900.46	-36.31	≤-27	PASS
		5230	30~5140	3029.74	-45.71	≤-27	PASS
			5360~27000	24195.46	-35.96	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	4921.63	-46.58	≤-27	PASS
			5360~27000	23614.06	-37.33	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



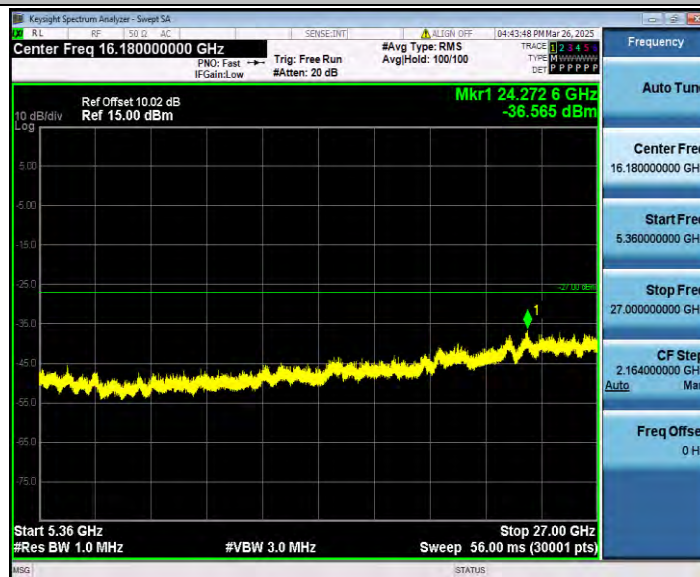
11A_Ant1_5180_5360~27000



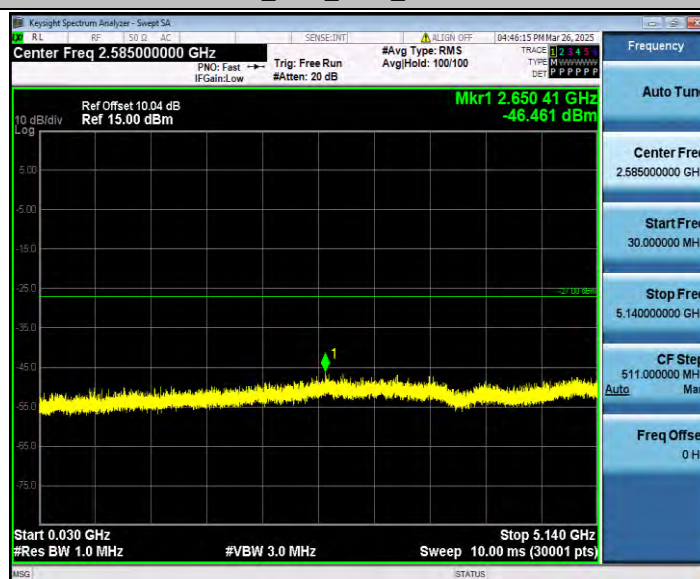
11A_Ant1_5200_30~5140

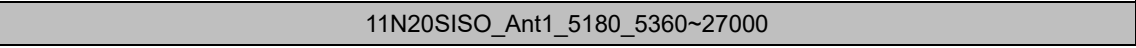
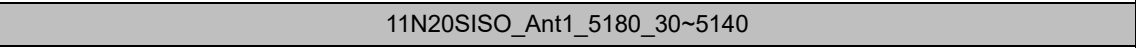


11A_Ant1_5200_5360~27000



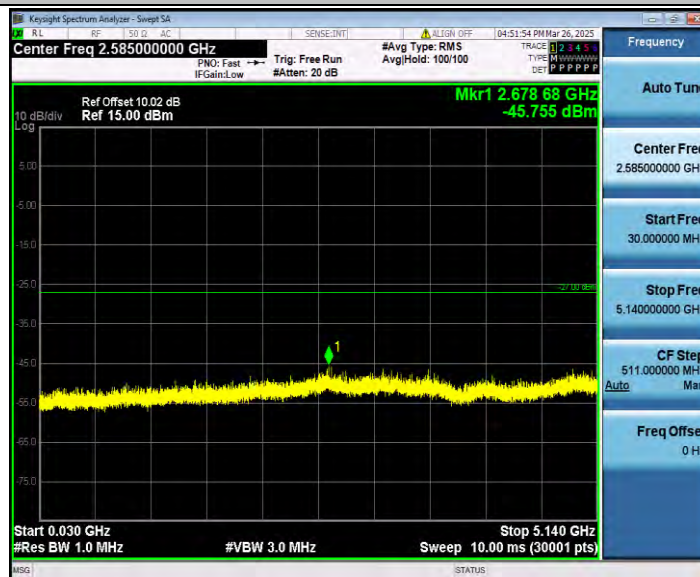
11A_Ant1_5240_30~5140



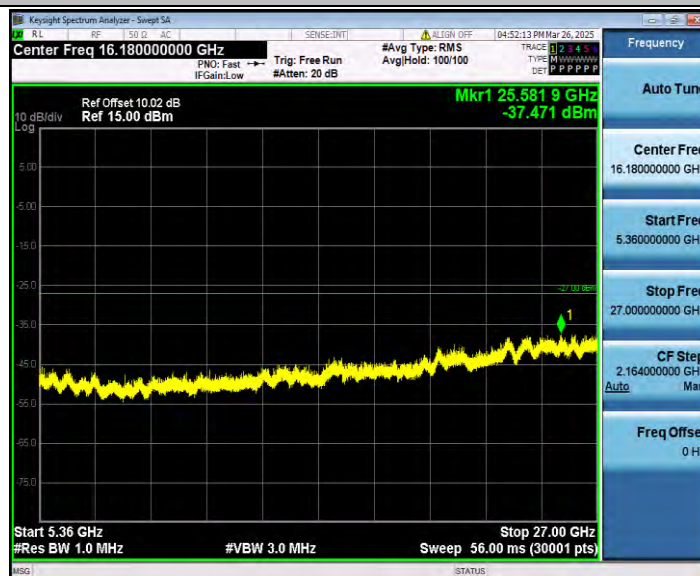




11N20SISO_Ant1_5200_30~5140



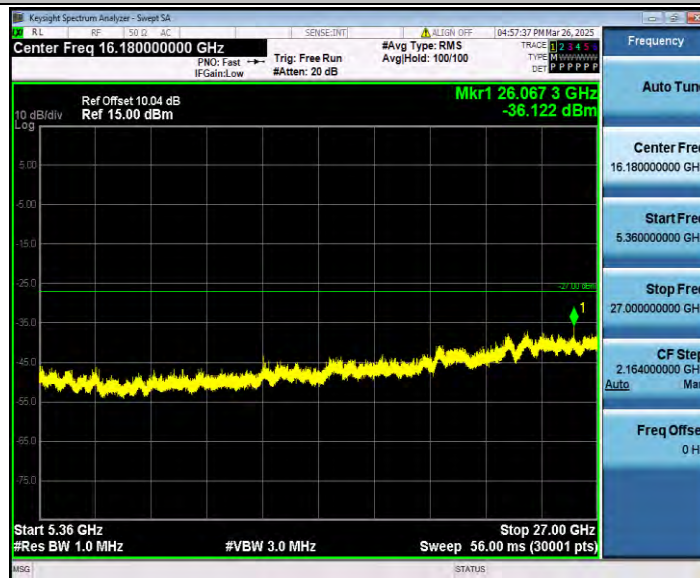
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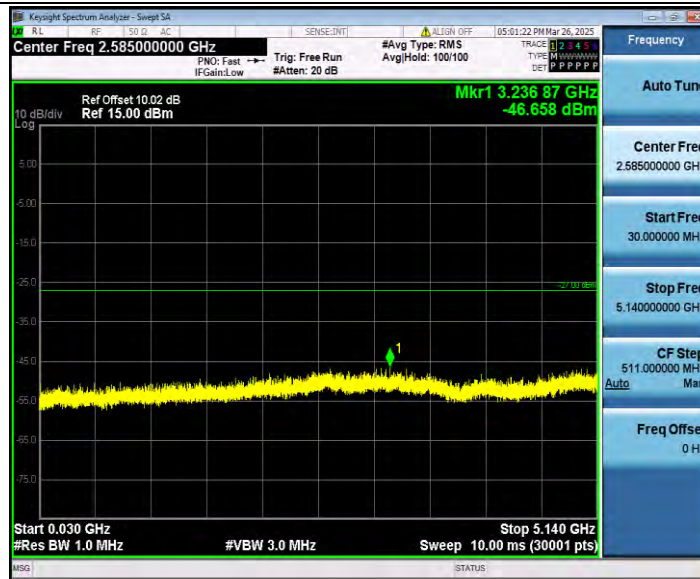
11N20SISO_Ant1_5240_30~5140



11N20SISO_Ant1_5240_5360~27000



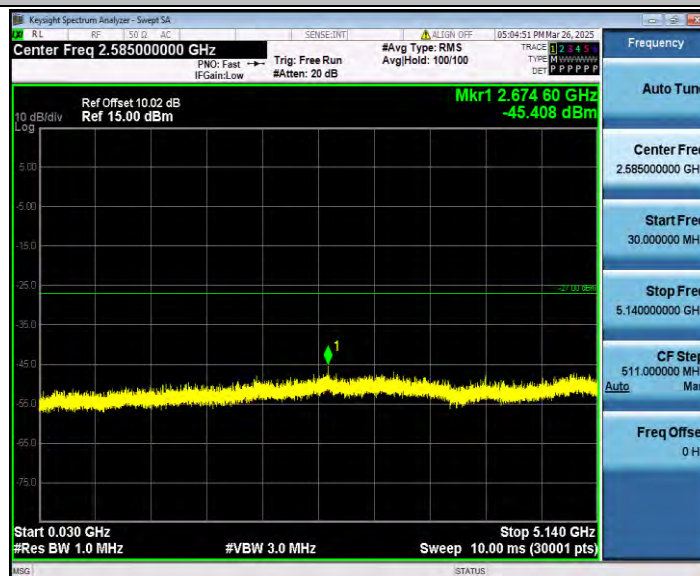
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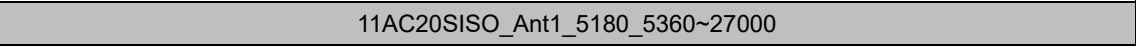
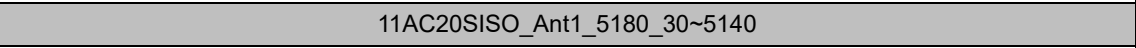


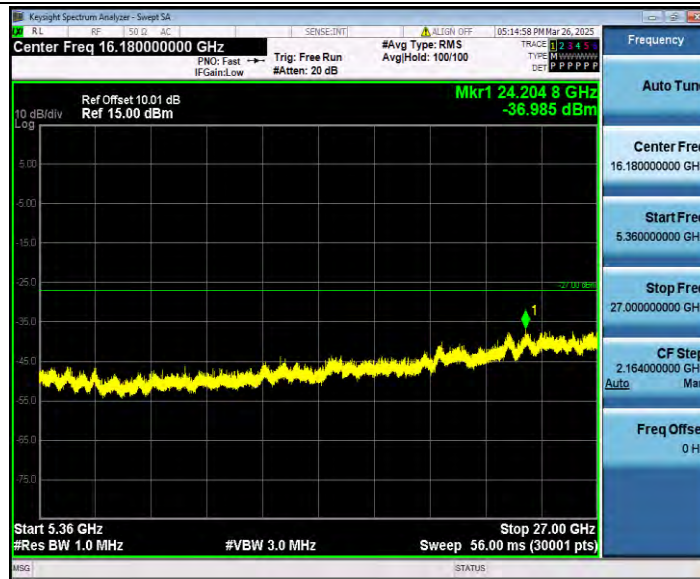
11N40SISO_Ant1_5190_5360~27000



11N40SISO_Ant1_5230_30~5140



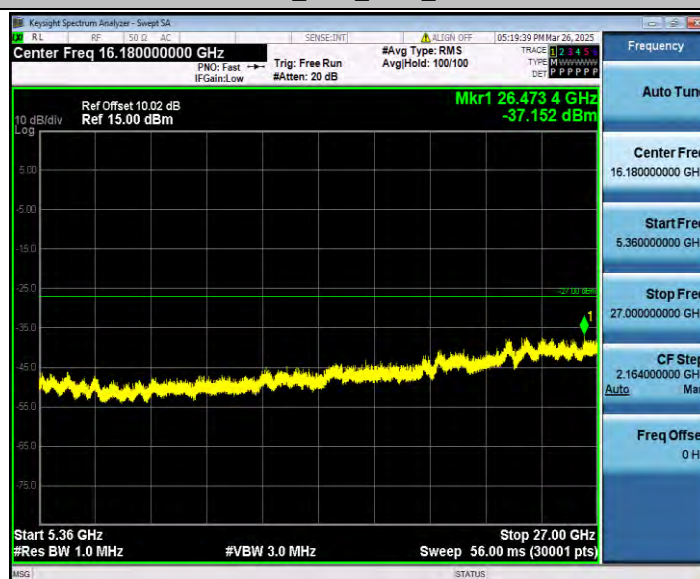




11AC20SISO_Ant1_5200_30~5140



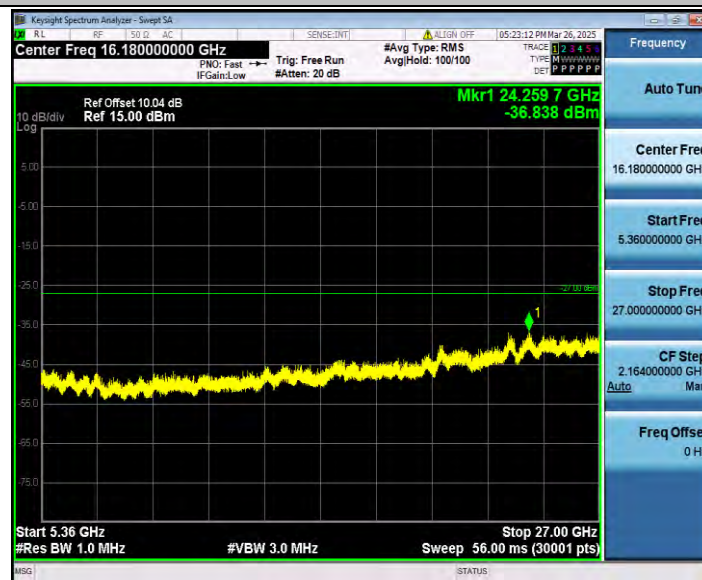
11AC20SISO_Ant1_5200_5360~27000



11AC20SISO_Ant1_5240_30~5140



11AC20SISO_Ant1_5240_5360~27000



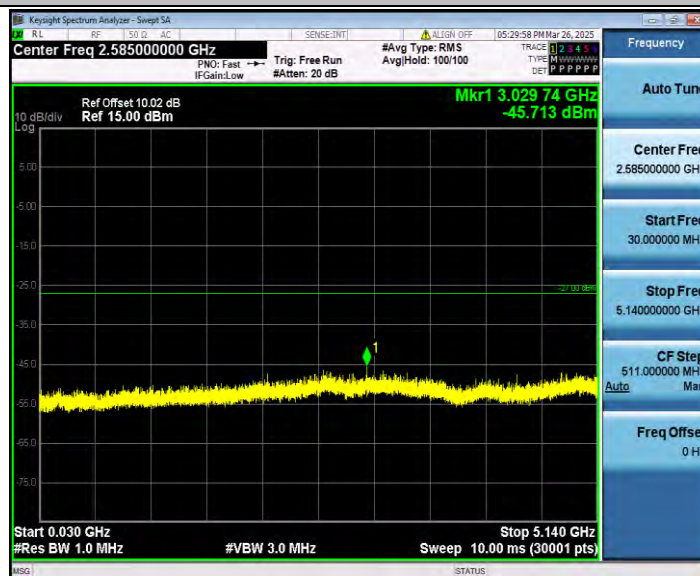
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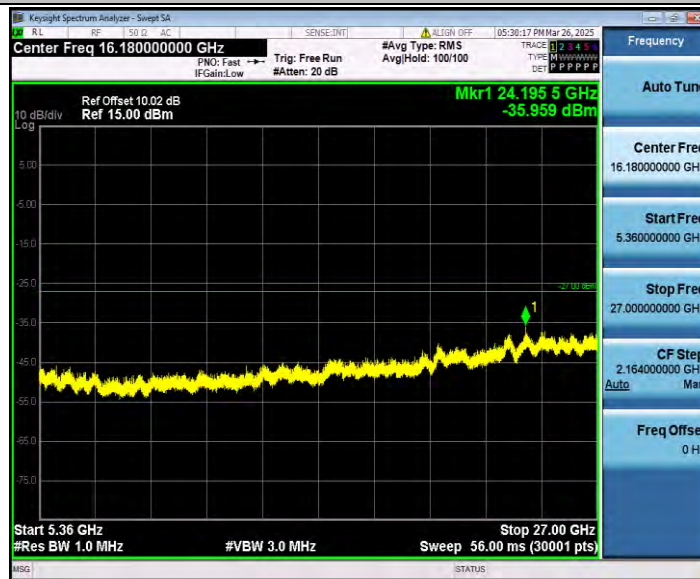
11AC40SISO_Ant1_5190_5360~27000



11AC40SISO_Ant1_5230_30~5140



11AC40SISO_Ant1_5230_5360~27000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~27000



Appendix D.8: Emissions in Restricted Bands

Test Result

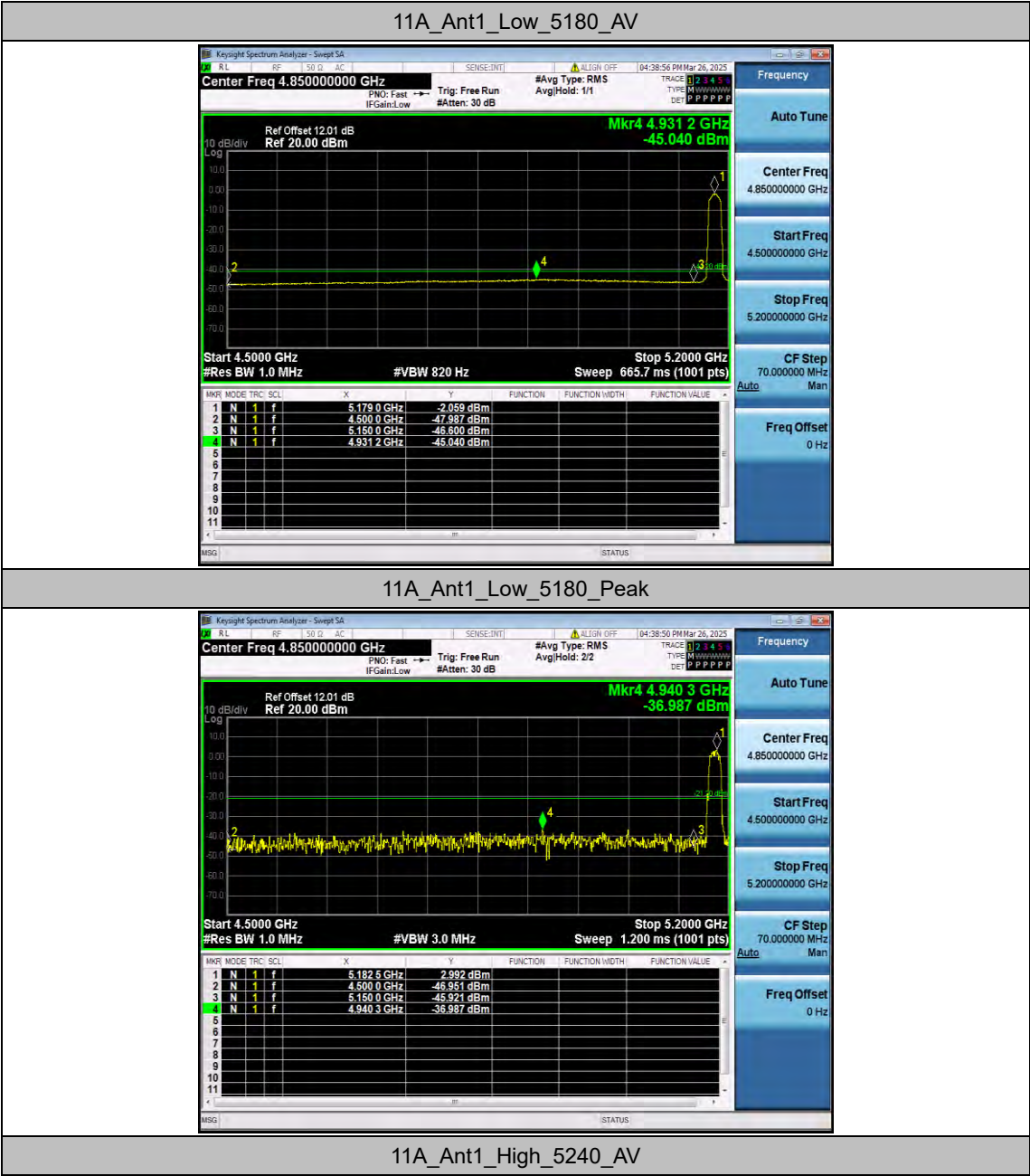
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-47.99	≤-41.20	47.21	≤54	PASS
				AV	4931.200	-45.04	≤-41.20	50.16	≤54	PASS
				AV	5150.000	-46.6	≤-41.20	48.60	≤54	PASS
				Peak	4500.000	-46.95	≤-21.20	48.25	≤74	PASS
				Peak	4940.300	-36.99	≤-21.20	58.21	≤74	PASS
				Peak	5150.000	-45.92	≤-21.20	49.28	≤74	PASS
		High	5240	AV	5350.000	-46.61	≤-41.20	48.59	≤54	PASS
				AV	5456.640	-45.21	≤-41.20	49.99	≤54	PASS
				AV	5460.000	-45.62	≤-41.20	49.58	≤54	PASS
				Peak	5350.000	-44.95	≤-21.20	50.25	≤74	PASS
				Peak	5364.720	-37.44	≤-21.20	57.76	≤74	PASS
				Peak	5460.000	-42.11	≤-21.20	53.09	≤74	PASS
11N20SIS O	Ant1	Low	5180	AV	4500.000	-47.68	≤-41.20	47.52	≤54	PASS
				AV	4942.400	-45.11	≤-41.20	50.09	≤54	PASS
				AV	5150.000	-46.61	≤-41.20	48.59	≤54	PASS
				Peak	4500.000	-44.22	≤-21.20	50.98	≤74	PASS
				Peak	5038.300	-37.29	≤-21.20	57.91	≤74	PASS
				Peak	5150.000	-42.1	≤-21.20	53.10	≤74	PASS
		High	5240	AV	5350.000	-46.73	≤-41.20	48.47	≤54	PASS
				AV	5455.200	-45.82	≤-41.20	49.38	≤54	PASS
				AV	5460.000	-45.89	≤-41.20	49.31	≤54	PASS
				Peak	5350.000	-42.07	≤-21.20	53.13	≤74	PASS
				Peak	5455.680	-37.41	≤-21.20	57.79	≤74	PASS
				Peak	5460.000	-45.32	≤-21.20	49.88	≤74	PASS
11N40SIS O	Ant1	Low	5190	AV	4500.000	-47.88	≤-41.20	47.32	≤54	PASS
				AV	4943.100	-45.57	≤-41.20	49.63	≤54	PASS
				AV	5150.000	-46.92	≤-41.20	48.28	≤54	PASS
				Peak	4500.000	-48.54	≤-21.20	46.66	≤74	PASS
				Peak	4917.200	-36.93	≤-21.20	58.27	≤74	PASS
				Peak	5150.000	-45.53	≤-21.20	49.67	≤74	PASS
		High	5230	AV	5350.000	-46.77	≤-41.20	48.43	≤54	PASS
				AV	5455.580	-45.86	≤-41.20	49.34	≤54	PASS
				AV	5460.000	-45.91	≤-41.20	49.29	≤54	PASS
				Peak	5350.000	-42.77	≤-21.20	52.43	≤74	PASS
				Peak	5457.660	-36.31	≤-21.20	58.89	≤74	PASS
				Peak	5460.000	-44.05	≤-21.20	51.15	≤74	PASS

11AC20SI SO	Ant1	Low	5180	AV	4500.000	-47.85	≤-41.20	47.35	≤54	PASS
				AV	4942.400	-45.57	≤-41.20	49.63	≤54	PASS
				AV	5150.000	-46.94	≤-41.20	48.26	≤54	PASS
				Peak	4500.000	-45.66	≤-21.20	49.54	≤74	PASS
				Peak	4776.500	-37.66	≤-21.20	57.54	≤74	PASS
				Peak	5150.000	-40.82	≤-21.20	54.38	≤74	PASS
		High	5240	AV	5350.000	-46.7	≤-41.20	48.50	≤54	PASS
				AV	5459.040	-45.82	≤-41.20	49.38	≤54	PASS
				AV	5460.000	-45.88	≤-41.20	49.32	≤54	PASS
				Peak	5350.000	-46.62	≤-21.20	48.58	≤74	PASS
				Peak	5430.240	-36.79	≤-21.20	58.41	≤74	PASS
				Peak	5460.000	-38.69	≤-21.20	56.51	≤74	PASS
11AC40SI SO	Ant1	Low	5190	AV	4500.000	-47.88	≤-41.20	47.32	≤54	PASS
				AV	4943.100	-45.55	≤-41.20	49.65	≤54	PASS
				AV	5150.000	-46.87	≤-41.20	48.33	≤54	PASS
				Peak	4500.000	-42.35	≤-21.20	52.85	≤74	PASS
				Peak	4865.400	-36.12	≤-21.20	59.08	≤74	PASS
				Peak	5150.000	-43.07	≤-21.20	52.13	≤74	PASS
		High	5230	AV	5350.000	-46.74	≤-41.20	48.46	≤54	PASS
				AV	5459.480	-45.84	≤-41.20	49.36	≤54	PASS
				AV	5460.000	-45.88	≤-41.20	49.32	≤54	PASS
				Peak	5350.000	-46.08	≤-21.20	49.12	≤74	PASS
				Peak	5443.880	-37.5	≤-21.20	57.70	≤74	PASS
				Peak	5460.000	-46.27	≤-21.20	48.93	≤74	PASS
11AC80SI SO	Ant1	Low	5210	AV	4500.000	-47.88	≤-41.20	47.32	≤54	PASS
				AV	4944.000	-45.57	≤-41.20	49.63	≤54	PASS
				AV	5150.000	-46.67	≤-41.20	48.53	≤54	PASS
				Peak	4500.000	-45.43	≤-21.20	49.77	≤74	PASS
				Peak	4851.000	-36.88	≤-21.20	58.32	≤74	PASS
				Peak	5150.000	-44.38	≤-21.20	50.82	≤74	PASS
		High	5210	AV	5350.000	-46.77	≤-41.20	48.43	≤54	PASS
				AV	5456.640	-45.82	≤-41.20	49.38	≤54	PASS
				AV	5460.000	-45.87	≤-41.20	49.33	≤54	PASS
				Peak	5350.000	-44.09	≤-21.20	51.11	≤74	PASS
				Peak	5443.200	-36.96	≤-21.20	58.24	≤74	PASS
				Peak	5460.000	-40.14	≤-21.20	55.06	≤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



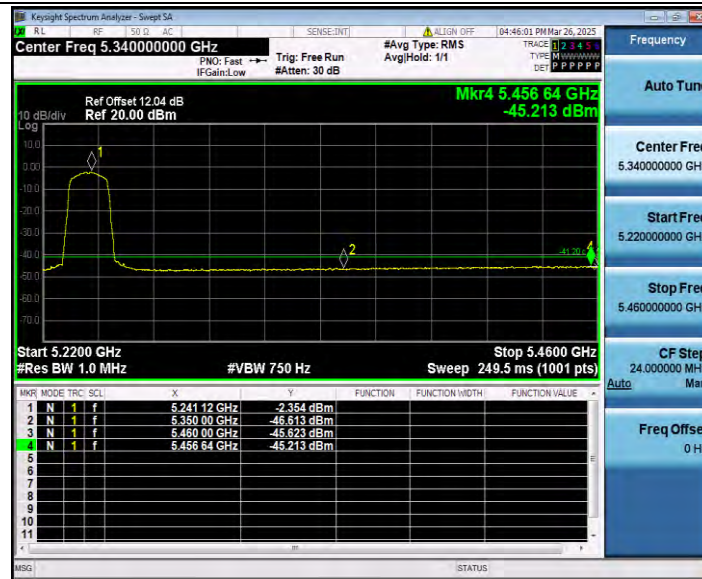
11A_Ant1_Low_5180_Peak

Frequency

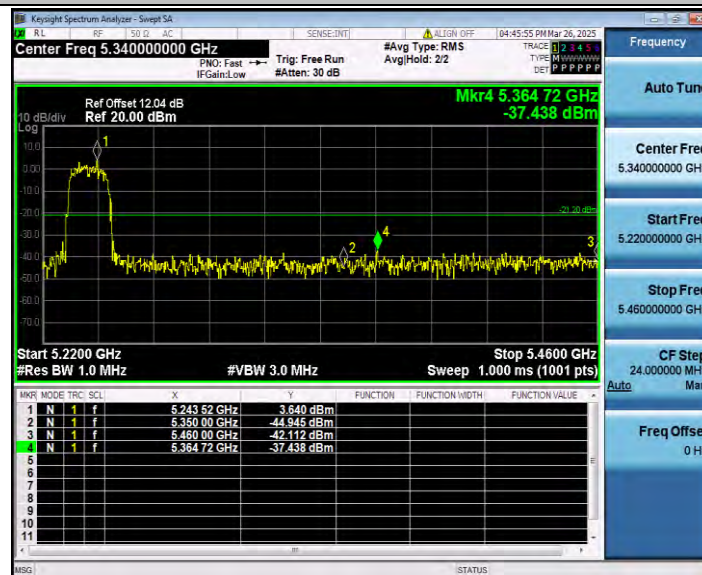
Auto Tune

Center Freq
4.850000000 GHzStart Freq
4.500000000 GHzStop Freq
5.200000000 GHzCF Step
70.000000 MHz
AutoFreq Offset
0 Hz

11A_Ant1_High_5240_AV



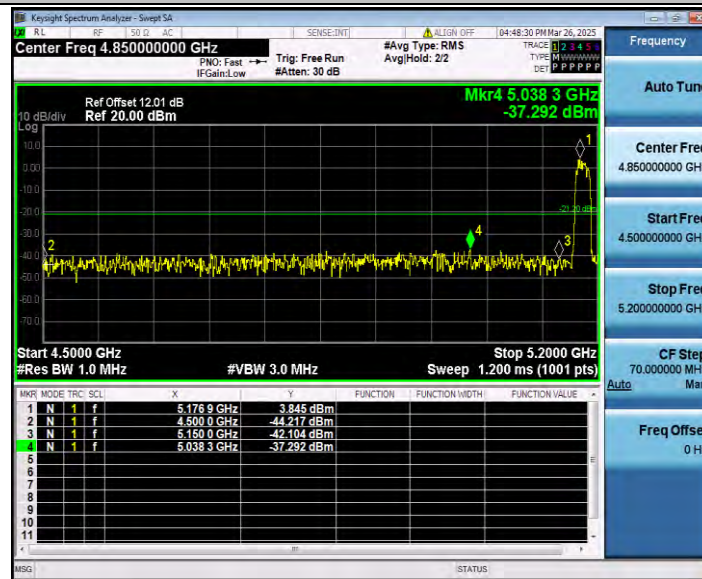
11A_Ant1_High_5240_Peak



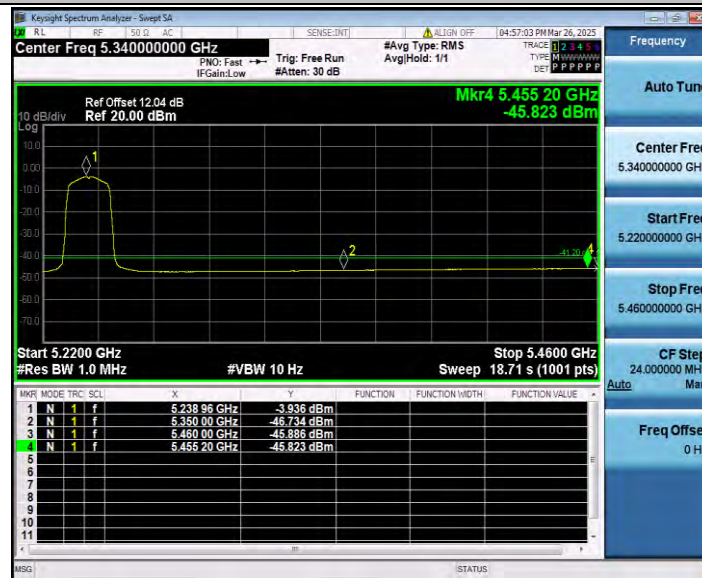
11N20SISO_Ant1_Low_5180_AV



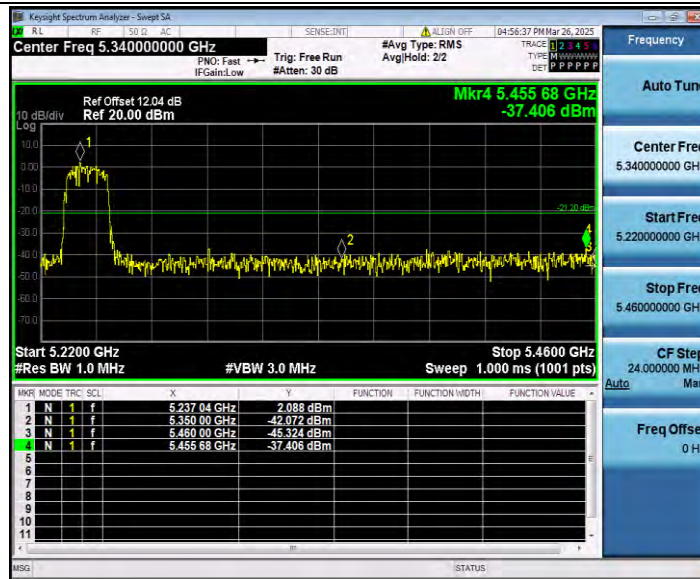
11N20SISO_Ant1_Low_5180_Peak



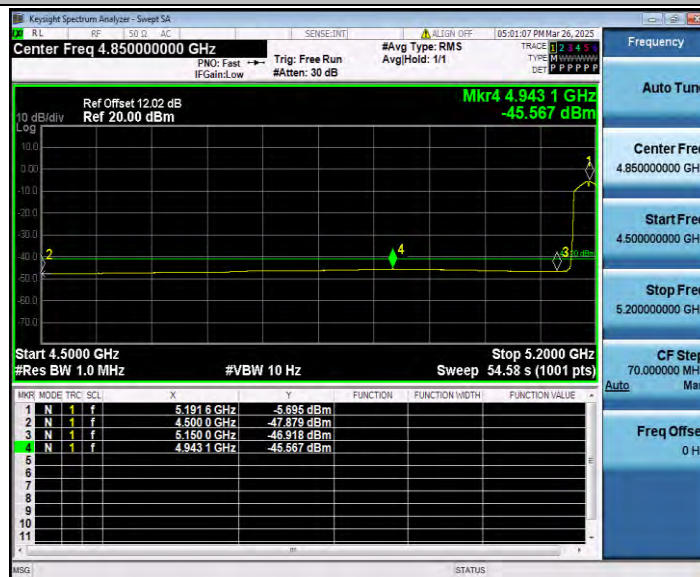
11N20SISO_Ant1_High_5240_AV



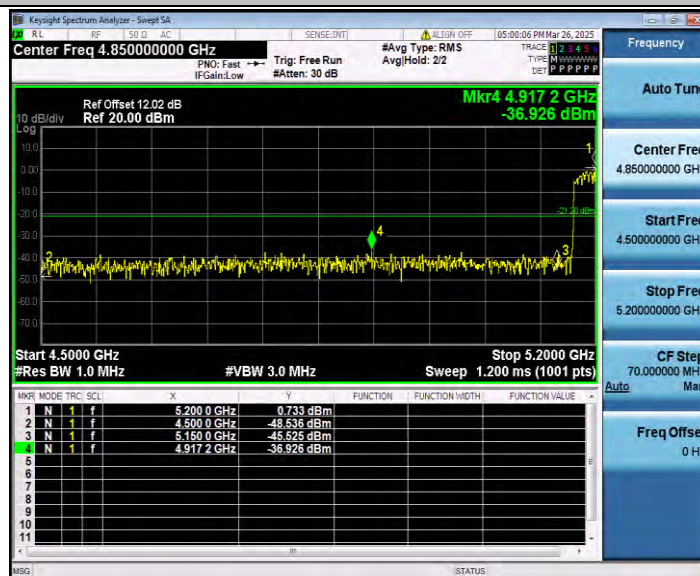
11N20SISO_Ant1_High_5240_Peak



11N40SISO_Ant1_Low_5190_AV



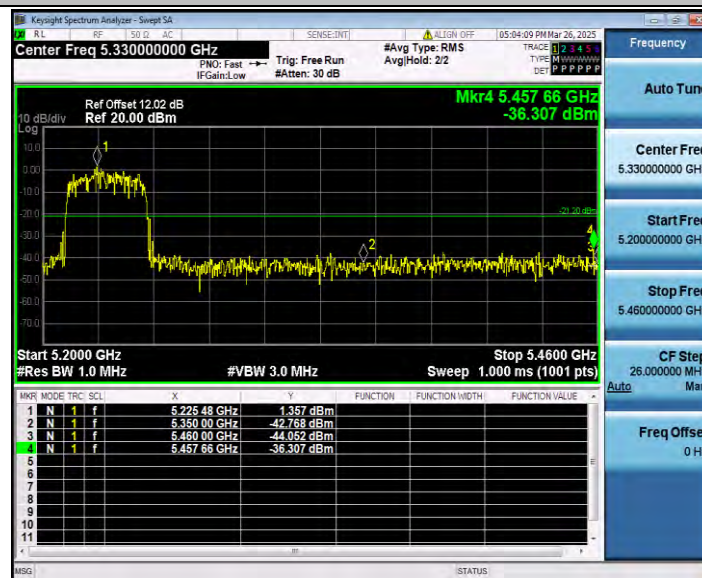
11N40SISO_Ant1_Low_5190_Peak



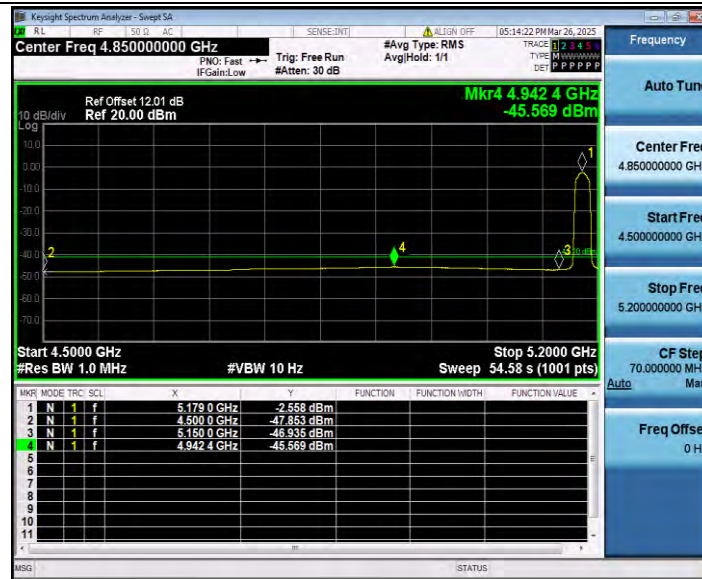
11N40SISO_Ant1_High_5230_AV



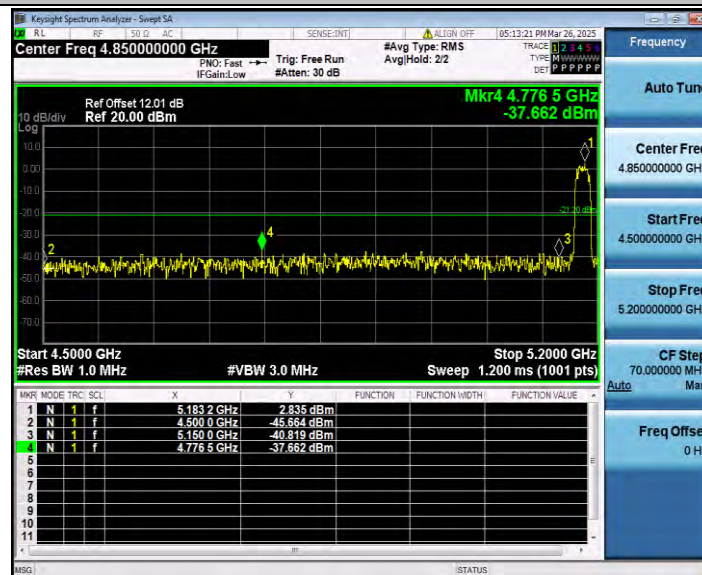
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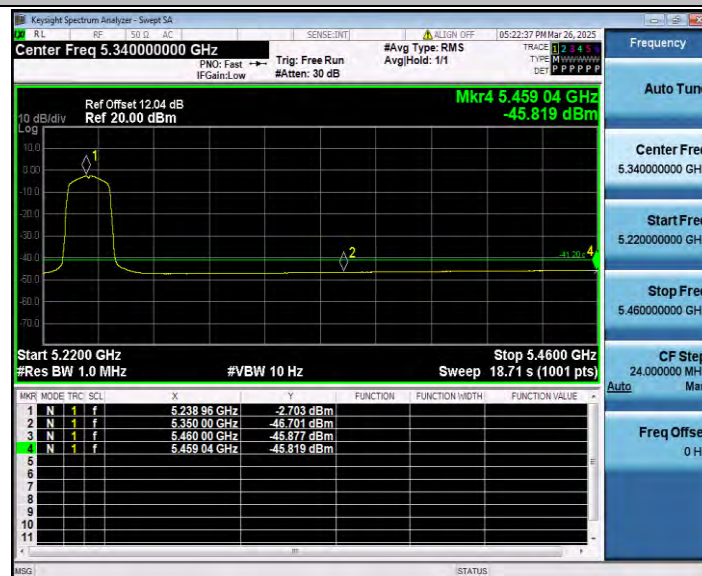
11AC20SISO_Ant1_Low_5180_AV



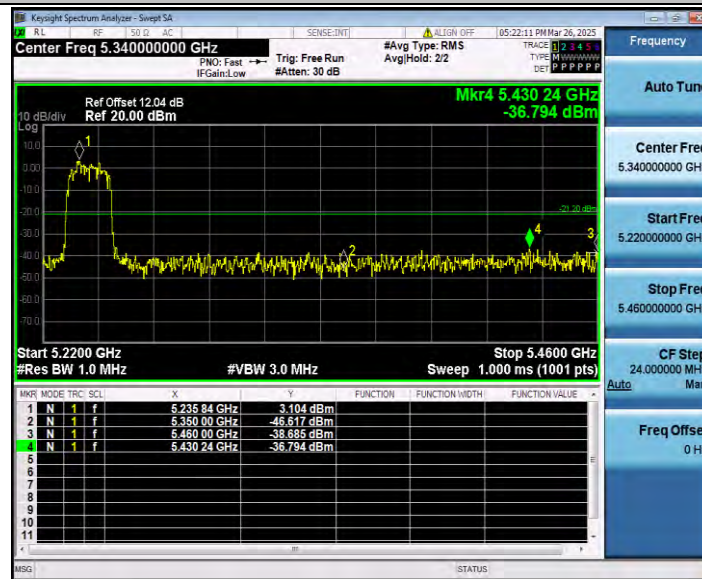
11AC20SISO_Ant1_Low_5180_Peak



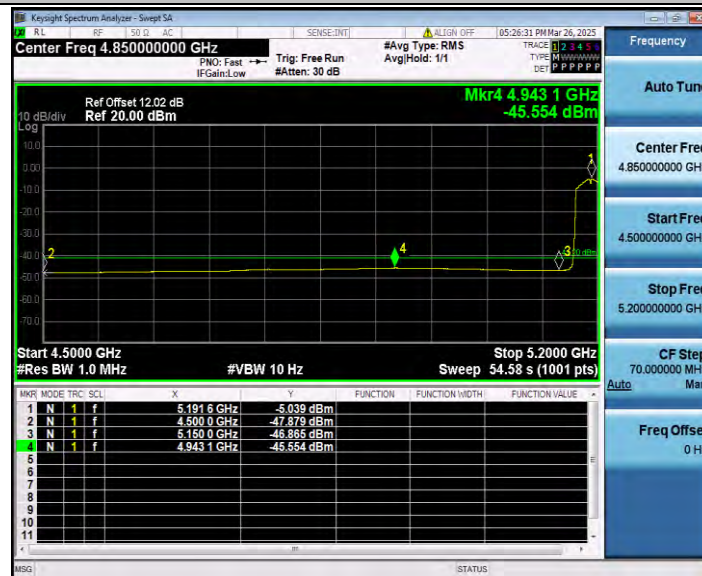
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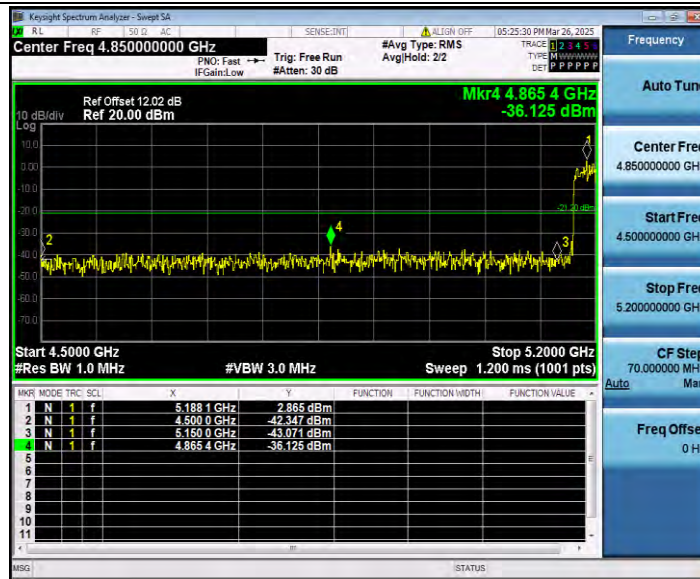
11AC20SISO_Ant1_High_5240_Peak



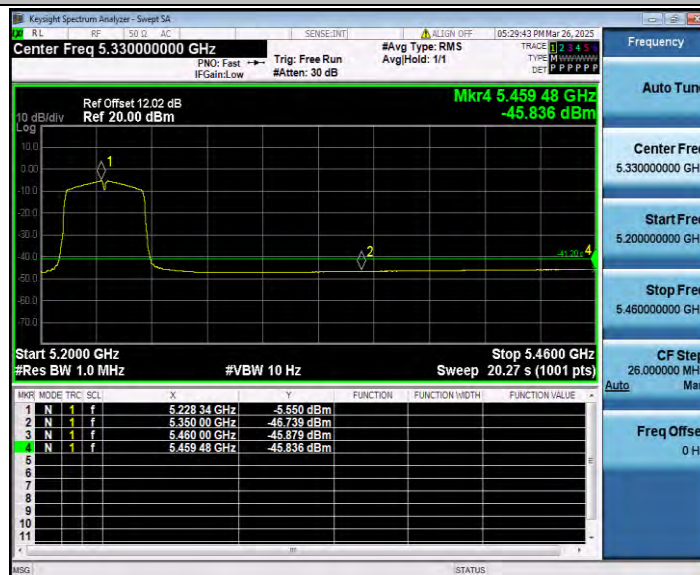
11AC40SISO_Ant1_Low_5190_AV



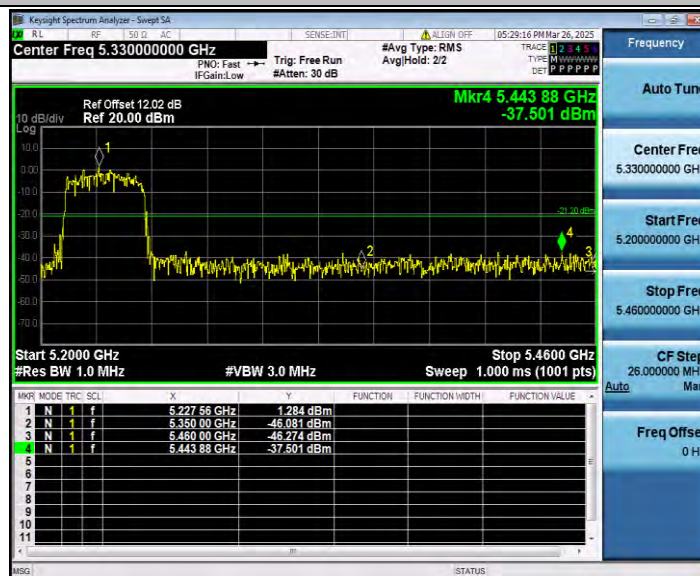
11AC40SISO_Ant1_Low_5190_Peak



11AC40SISO_Ant1_High_5230_AV



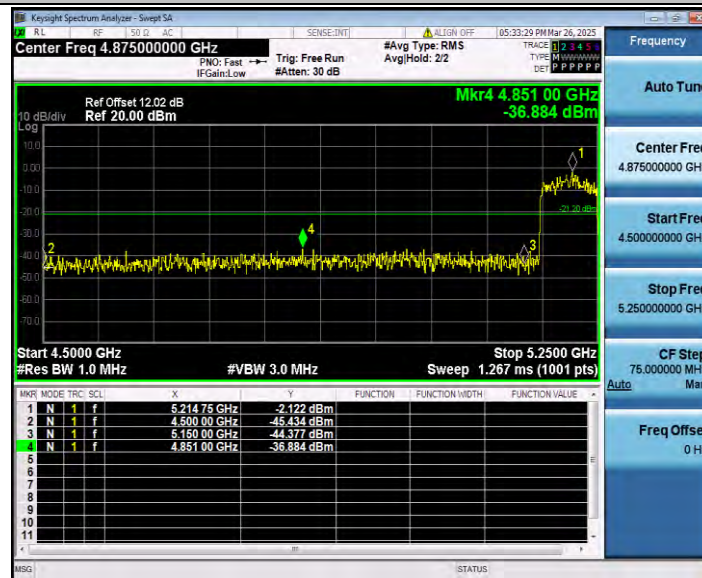
11AC40SISO_Ant1_High_5230_Peak



11AC80SISO_Ant1_Low_5210_AV



11AC80SISO_Ant1_Low_5210_Peak



11AC80SISO_Ant1_High_5210_AV

