

AppendixD.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	5136.76	-37.66	≤-27	PASS
			5360~27000	26086.79	-36.69	≤-27	PASS
		5200	30~5140	5137.45	-43.28	≤-27	PASS
			5360~27000	25668.42	-36.73	≤-27	PASS
		5240	30~5140	3008.79	-46.35	≤-27	PASS
			5360~27000	26453.95	-36.6	≤-27	PASS
11N20SISO	Ant1	5180	30~5140	5135.74	-38.26	≤-27	PASS
			5360~27000	24219.98	-36.97	≤-27	PASS
		5200	30~5140	4970.35	-46.18	≤-27	PASS
			5360~27000	24984.59	-37.21	≤-27	PASS
		5240	30~5140	2666.08	-46.07	≤-27	PASS
			5360~27000	24272.64	-36.98	≤-27	PASS
11N40SISO	Ant1	5190	30~5140	5138.64	-31.98	≤-27	PASS
			5360~27000	24289.95	-37.29	≤-27	PASS
		5230	30~5140	2451.97	-45.14	≤-27	PASS
			5360~27000	24283.46	-36.3	≤-27	PASS
11AC20SISO	Ant1	5180	30~5140	5135.23	-40.05	≤-27	PASS
			5360~27000	24910.3	-36.89	≤-27	PASS
		5200	30~5140	2453.33	-40.21	≤-27	PASS
			5360~27000	25641.73	-37.45	≤-27	PASS
		5240	30~5140	2458.95	-41.93	≤-27	PASS
			5360~27000	26557.1	-36.31	≤-27	PASS
11AC40SISO	Ant1	5190	30~5140	5139.49	-33.6	≤-27	PASS
			5360~27000	26991.34	-36.55	≤-27	PASS
		5230	30~5140	2457.25	-41.8	≤-27	PASS
			5360~27000	24271.2	-36.2	≤-27	PASS
11AC80SISO	Ant1	5210	30~5140	5134.55	-45.48	≤-27	PASS
			5360~27000	24196.18	-36.92	≤-27	PASS
11AX20SISO	Ant1	5180	30~5140	5138.81	-39.96	≤-27	PASS
			5360~27000	24302.93	-36.93	≤-27	PASS
		5200	30~5140	5045.12	-43.94	≤-27	PASS
			5360~27000	24277.69	-36.21	≤-27	PASS
		5240	30~5140	2430.34	-44.76	≤-27	PASS
			5360~27000	24918.95	-37.06	≤-27	PASS
11AX40SISO	Ant1	5190	30~5140	5136.25	-36.36	≤-27	PASS
			5360~27000	24204.11	-37.09	≤-27	PASS

		5230	30~5140	2458.78	-42.81	≤-27	PASS
			5360~27000	24283.46	-36.85	≤-27	PASS
11AX80SISO	Ant1	5210	30~5140	5119.39	-28.31	≤-27	PASS
			5360~27000	24283.46	-36.75	≤-27	PASS

Test Graphs

11A_Ant1_5180_30~5140



11A_Ant1_5180_5360~27000



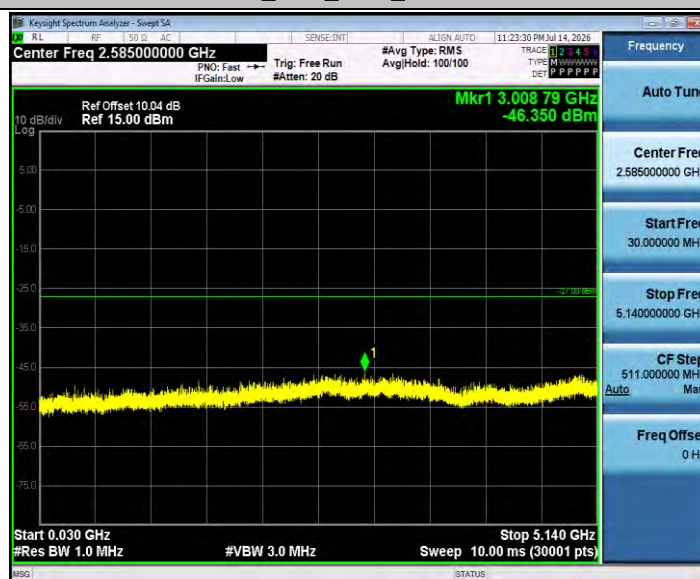
11A_Ant1_5200_30~5140



11A_Ant1_5200_5360~27000



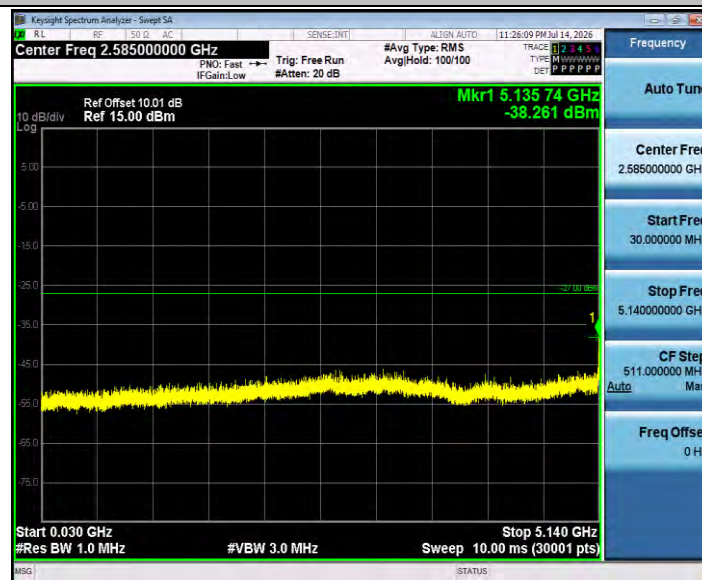
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11A_Ant1_5240_5360~27000



11N20SISO_Ant1_5180_30~5140



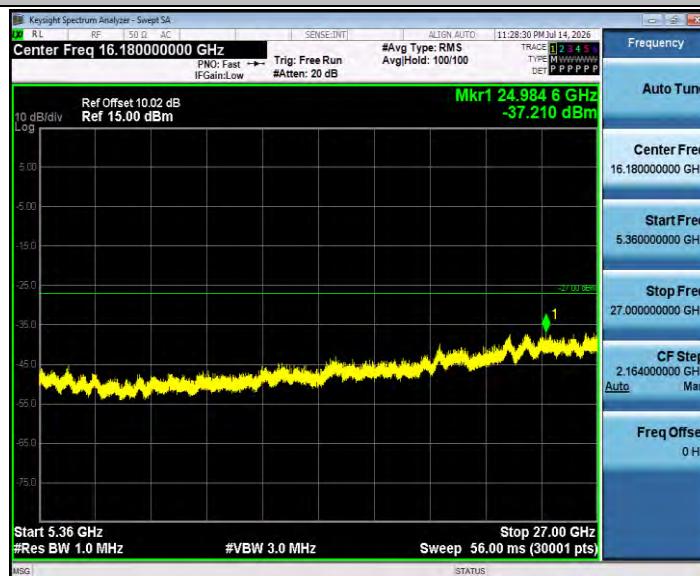
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11N20SISO_Ant1_5200_30~5140



11N20SISO_Ant1_5200_5360~27000



11N20SISO_Ant1_5240_30~5140



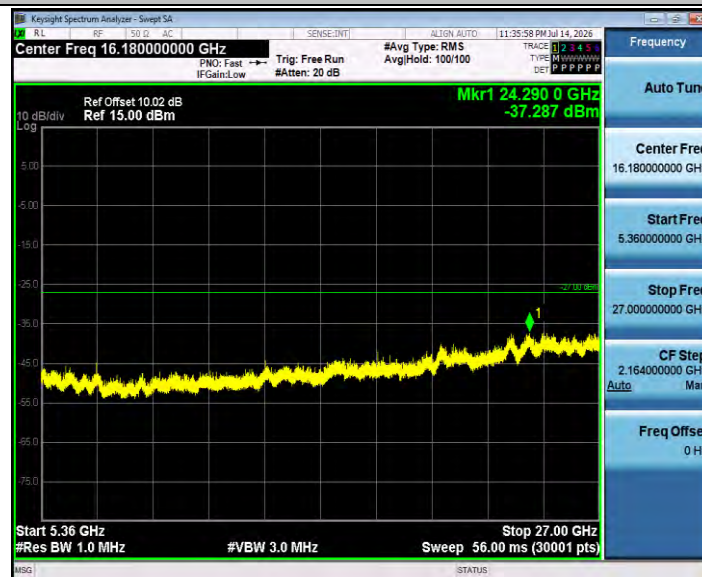
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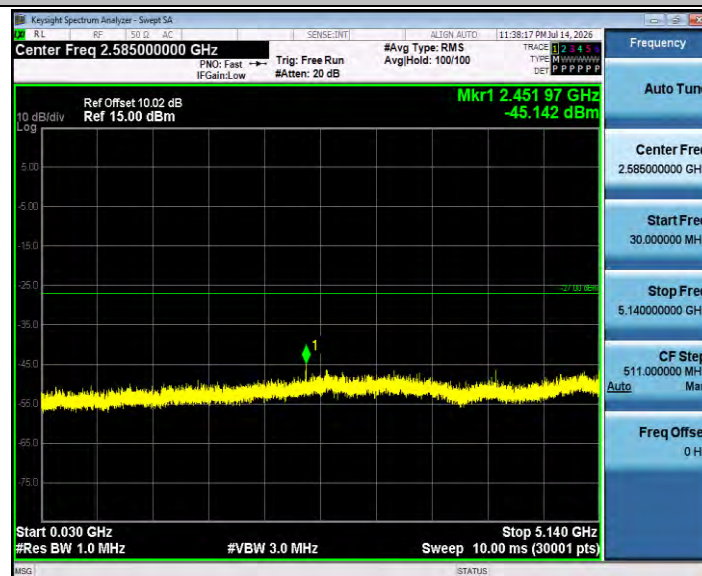
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11N40SISO_Ant1_5190_5360~27000



11N40SISO_Ant1_5230_30~5140



11N40SISO_Ant1_5230_5360~27000



11AC20SISO_Ant1_5180_30~5140



11AC20SISO_Ant1_5180_5360~27000



11AC20SISO_Ant1_5200_30~5140



11AC20SISO_Ant1_5200_5360~27000



11AC20SISO_Ant1_5240_30~5140



11AC20SISO_Ant1_5240_5360~27000



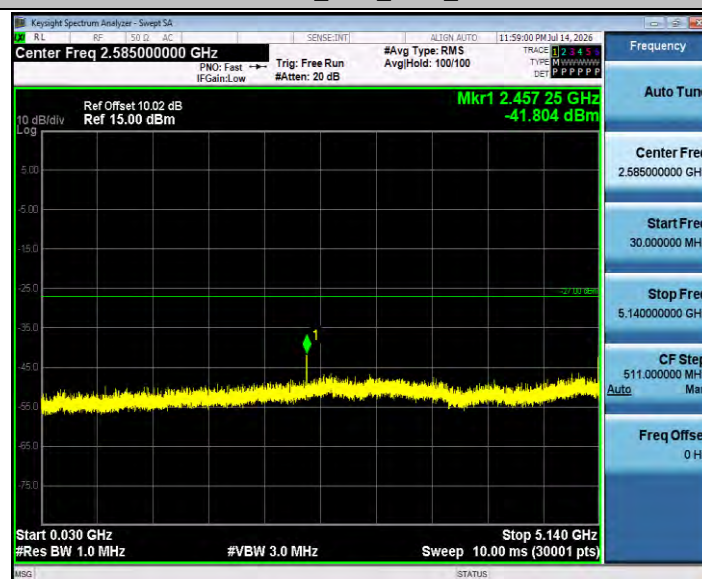
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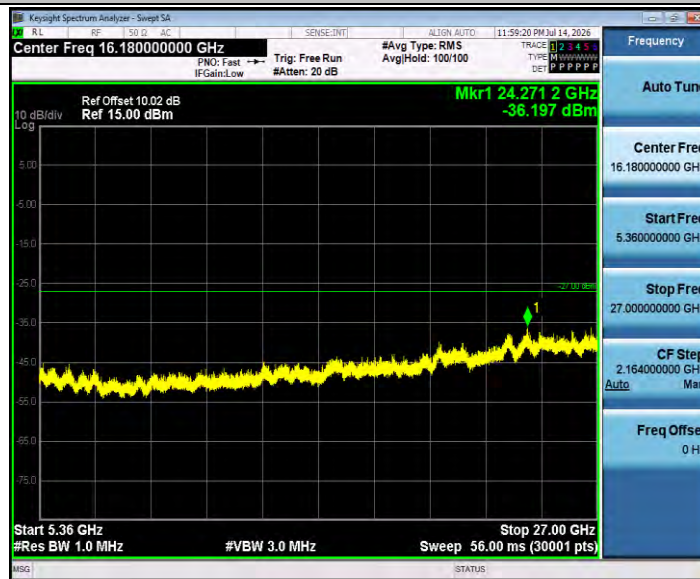
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11AC40SISO_Ant1_5230_30~5140



11AC40SISO_Ant1_5230_5360~27000



11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~27000



11AX20SISO_Ant1_5180_30~5140



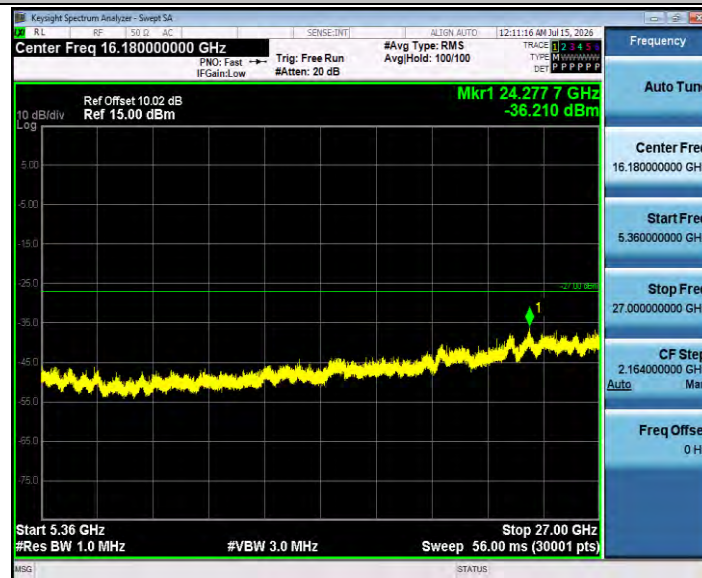
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11AX20SISO_Ant1_5200_30~5140



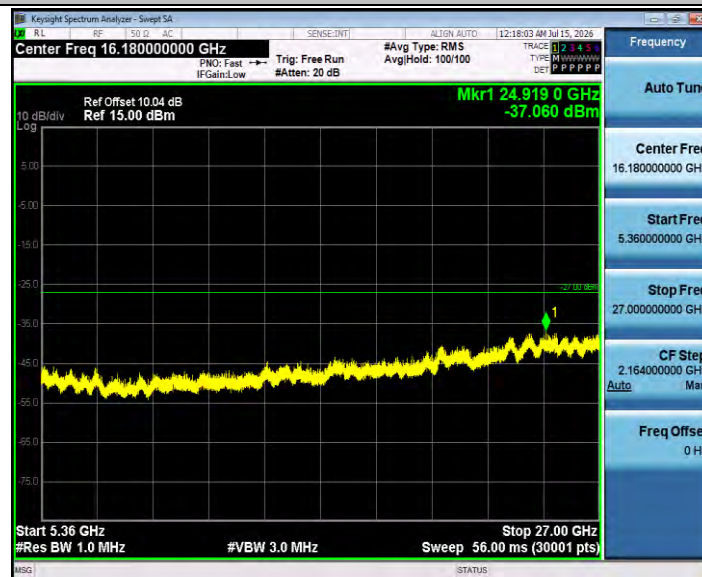
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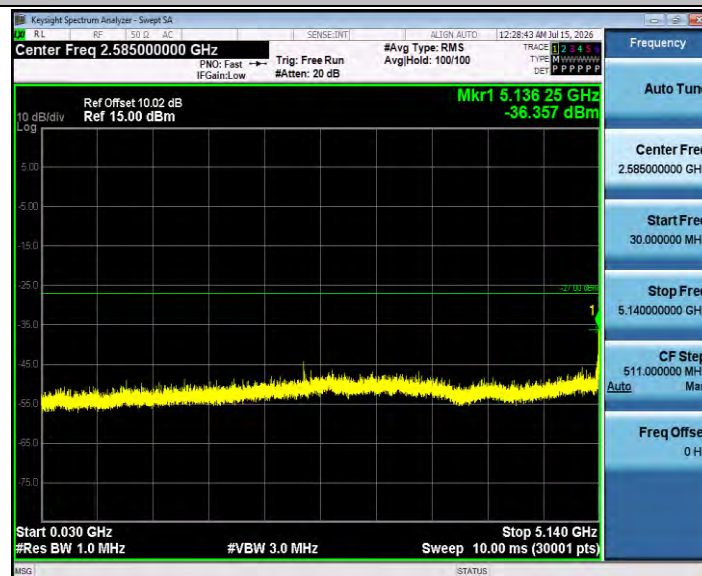
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11AX20SISO_Ant1_5240_5360~27000



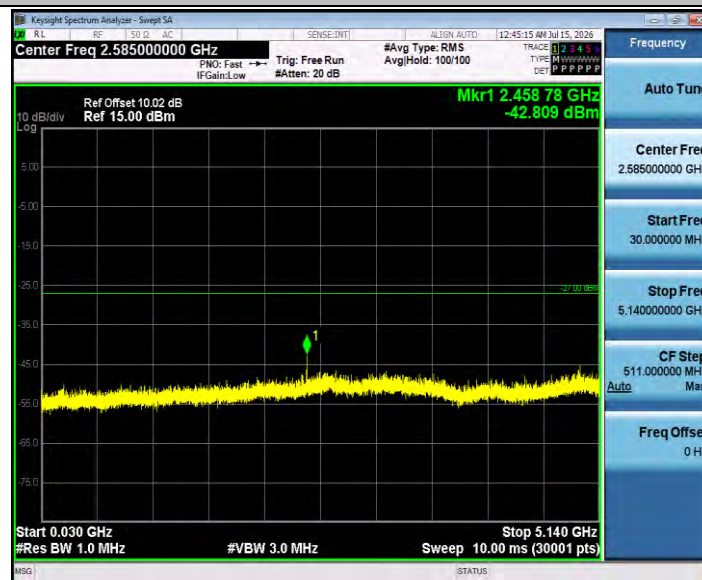
11AX40SISO_Ant1_5190_30~5140



11AX40SISO_Ant1_5190_5360~27000



11AX40SISO_Ant1_5230_30~5140



11AX40SISO_Ant1_5230_5360~27000



11AX80SISO_Ant1_5210_30~5140



11AX80SISO_Ant1_5210_5360~27000



AppendixD.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	-47.69	≤-41.20	47.51	≤54	PASS
				AV	5148.900	-42.27	≤-41.20	52.93	≤54	PASS
				AV	5150.000	-42.16	≤-41.20	53.04	≤54	PASS
				Peak	4500.000	-39.48	≤-21.20	55.72	≤74	PASS
				Peak	5149.600	-27.36	≤-21.20	67.84	≤74	PASS
				Peak	5150.000	-31.43	≤-21.20	63.77	≤74	PASS
		High	5240	AV	5350.000	-46.42	≤-41.20	48.78	≤54	PASS
				AV	5438.160	-45.21	≤-41.20	49.99	≤54	PASS
				AV	5460.000	-45.45	≤-41.20	49.75	≤54	PASS
				Peak	5350.000	-39.96	≤-21.20	55.24	≤74	PASS
				Peak	5443.680	-35.06	≤-21.20	60.14	≤74	PASS
				Peak	5460.000	-39.14	≤-21.20	56.06	≤74	PASS
11N20SIS O	Ant1	Low	5180	AV	4500.000	-47.63	≤-41.20	47.57	≤54	PASS
				AV	5149.600	-44.19	≤-41.20	51.01	≤54	PASS
				AV	5150.000	-44.11	≤-41.20	51.09	≤54	PASS
				Peak	4500.000	-40.55	≤-21.20	54.65	≤74	PASS
				Peak	5145.400	-30.16	≤-21.20	65.04	≤74	PASS
				Peak	5150.000	-31.66	≤-21.20	63.54	≤74	PASS
		High	5240	AV	5350.000	-46.66	≤-41.20	48.54	≤54	PASS
				AV	5442.480	-45.25	≤-41.20	49.95	≤54	PASS
				AV	5460.000	-45.51	≤-41.20	49.69	≤54	PASS
				Peak	5350.000	-39.12	≤-21.20	56.08	≤74	PASS
				Peak	5377.200	-36.13	≤-21.20	59.07	≤74	PASS
				Peak	5460.000	-37.4	≤-21.20	57.80	≤74	PASS
11N40SIS O	Ant1	Low	5190	AV	4500.000	-47.47	≤-41.20	47.73	≤54	PASS
				AV	5149.600	-42.79	≤-41.20	52.41	≤54	PASS
				AV	5150.000	-43	≤-41.20	52.20	≤54	PASS
				Peak	4500.000	-40.26	≤-21.20	54.94	≤74	PASS
				Peak	5149.600	-26.33	≤-21.20	68.87	≤74	PASS
				Peak	5150.000	-27.7	≤-21.20	67.50	≤74	PASS
		High	5230	AV	5350.000	-46.45	≤-41.20	48.75	≤54	PASS
				AV	5452.980	-45.1	≤-41.20	50.10	≤54	PASS
				AV	5460.000	-45.21	≤-41.20	49.99	≤54	PASS
				Peak	5350.000	-39.88	≤-21.20	55.32	≤74	PASS
				Peak	5450.900	-35.75	≤-21.20	59.45	≤74	PASS
				Peak	5460.000	-38.27	≤-21.20	56.93	≤74	PASS

11AC20SI SO	Ant1	Low	5180	AV	4500.000	-47.47	≤-41.20	47.73	≤54	PASS
				AV	5149.600	-43.65	≤-41.20	51.55	≤54	PASS
				AV	5150.000	-43.93	≤-41.20	51.27	≤54	PASS
				Peak	4500.000	-40.23	≤-21.20	54.97	≤74	PASS
				Peak	5144.700	-29.4	≤-21.20	65.80	≤74	PASS
				Peak	5150.000	-29.83	≤-21.20	65.37	≤74	PASS
		High	5240	AV	5350.000	-46.38	≤-41.20	48.82	≤54	PASS
				AV	5448.480	-45.17	≤-41.20	50.03	≤54	PASS
				AV	5460.000	-45.61	≤-41.20	49.59	≤54	PASS
				Peak	5350.000	-39.77	≤-21.20	55.43	≤74	PASS
				Peak	5408.880	-35.78	≤-21.20	59.42	≤74	PASS
				Peak	5460.000	-36.84	≤-21.20	58.36	≤74	PASS
11AC40SI SO	Ant1	Low	5190	AV	4500.000	-47.54	≤-41.20	47.66	≤54	PASS
				AV	5148.900	-41.55	≤-41.20	53.65	≤54	PASS
				AV	5150.000	-41.64	≤-41.20	53.56	≤54	PASS
				Peak	4500.000	-39.5	≤-21.20	55.70	≤74	PASS
				Peak	5149.600	-25.58	≤-21.20	69.62	≤74	PASS
				Peak	5150.000	-26.16	≤-21.20	69.04	≤74	PASS
		High	5230	AV	5350.000	-46.43	≤-41.20	48.77	≤54	PASS
				AV	5455.060	-45.19	≤-41.20	50.01	≤54	PASS
				AV	5460.000	-45.83	≤-41.20	49.37	≤54	PASS
				Peak	5350.000	-36.71	≤-21.20	58.49	≤74	PASS
				Peak	5443.880	-35.4	≤-21.20	59.80	≤74	PASS
				Peak	5460.000	-37.92	≤-21.20	57.28	≤74	PASS
11AC80SI SO	Ant1	Low	5210	AV	4500.000	-47.88	≤-41.20	47.32	≤54	PASS
				AV	4939.500	-44.47	≤-41.20	50.73	≤54	PASS
				AV	5150.000	-45.67	≤-41.20	49.53	≤54	PASS
				Peak	4500.000	-40.21	≤-21.20	54.99	≤74	PASS
				Peak	4879.500	-34.93	≤-21.20	60.27	≤74	PASS
				Peak	5150.000	-39.7	≤-21.20	55.50	≤74	PASS
		High	5210	AV	5350.000	-45.78	≤-41.20	49.42	≤54	PASS
				AV	5419.400	-44.62	≤-41.20	50.58	≤54	PASS
				AV	5460.000	-45.23	≤-41.20	49.97	≤54	PASS
				Peak	5350.000	-38.71	≤-21.20	56.49	≤74	PASS
				Peak	5435.360	-35.86	≤-21.20	59.34	≤74	PASS
				Peak	5460.000	-38.34	≤-21.20	56.86	≤74	PASS
11AX20SI SO	Ant1	Low	5180	AV	4500.000	-47.6	≤-41.20	47.60	≤54	PASS
				AV	5149.600	-44.85	≤-41.20	50.35	≤54	PASS
				AV	5150.000	-45.27	≤-41.20	49.93	≤54	PASS
				Peak	4500.000	-39.97	≤-21.20	55.23	≤74	PASS
				Peak	5149.600	-31.88	≤-21.20	63.32	≤74	PASS
				Peak	5150.000	-35.38	≤-21.20	59.82	≤74	PASS
		High	5240	AV	5350.000	-46.23	≤-41.20	48.97	≤54	PASS

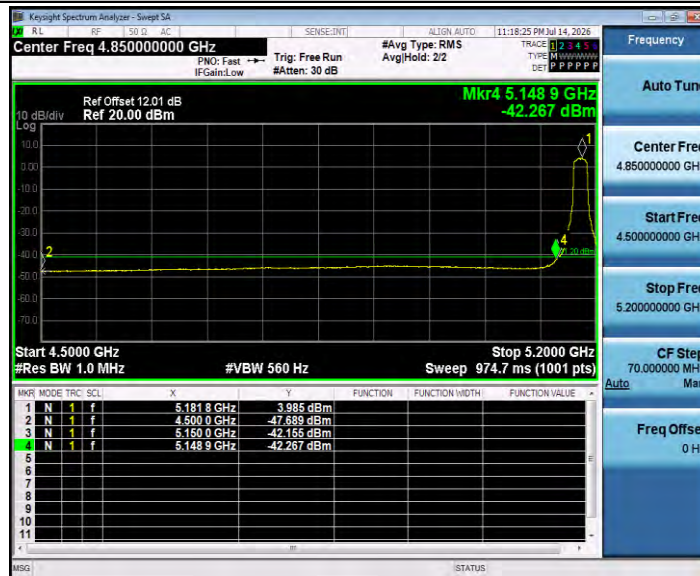
				AV	5456.160	-45.12	≤ -41.20	50.08	≤ 54	PASS
				AV	5460.000	-45.38	≤ -41.20	49.82	≤ 54	PASS
				Peak	5350.000	-38.84	≤ -21.20	56.36	≤ 74	PASS
				Peak	5447.040	-36.1	≤ -21.20	59.10	≤ 74	PASS
				Peak	5460.000	-38.48	≤ -21.20	56.72	≤ 74	PASS
11AX40SI SO	Ant1	Low	5190	AV	4500.000	-47.37	≤ -41.20	47.83	≤ 54	PASS
				AV	5144.000	-43.67	≤ -41.20	51.53	≤ 54	PASS
				AV	5150.000	-44.08	≤ -41.20	51.12	≤ 54	PASS
				Peak	4500.000	-39.85	≤ -21.20	55.35	≤ 74	PASS
				Peak	5145.400	-28.34	≤ -21.20	66.86	≤ 74	PASS
				Peak	5150.000	-27.6	≤ -21.20	67.60	≤ 74	PASS
		High	5230	AV	5350.000	-46.5	≤ -41.20	48.70	≤ 54	PASS
				AV	5456.100	-45.02	≤ -41.20	50.18	≤ 54	PASS
				AV	5460.000	-45.45	≤ -41.20	49.75	≤ 54	PASS
				Peak	5350.000	-38.7	≤ -21.20	56.50	≤ 74	PASS
				Peak	5404.620	-35.12	≤ -21.20	60.08	≤ 74	PASS
				Peak	5460.000	-38.41	≤ -21.20	56.79	≤ 74	PASS
11AX80SI SO	Ant1	Low	5210	AV	4500.000	-47.43	≤ -41.20	47.77	≤ 54	PASS
				AV	5125.500	-41.22	≤ -41.20	53.98	≤ 54	PASS
				AV	5150.000	-43.06	≤ -41.20	52.14	≤ 54	PASS
				Peak	4500.000	-40.86	≤ -21.20	54.34	≤ 74	PASS
				Peak	5149.500	-27.35	≤ -21.20	67.85	≤ 74	PASS
				Peak	5150.000	-37.38	≤ -21.20	57.82	≤ 74	PASS
		High	5210	AV	5350.000	-46.61	≤ -41.20	48.59	≤ 54	PASS
				AV	5460.000	-44.62	≤ -41.20	50.58	≤ 54	PASS
				Peak	5350.000	-39.56	≤ -21.20	55.64	≤ 74	PASS
				Peak	5439.280	-35.9	≤ -21.20	59.30	≤ 74	PASS
				Peak	5460.000	-38.12	≤ -21.20	57.08	≤ 74	PASS

Note:

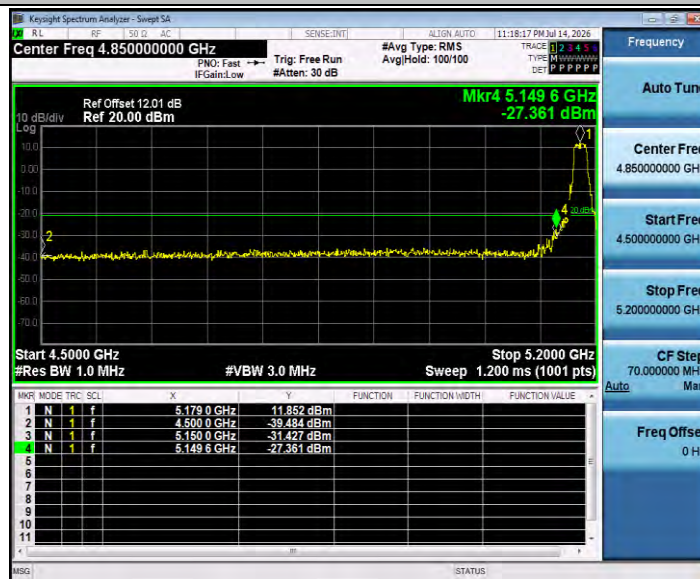
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm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

Test Graphs

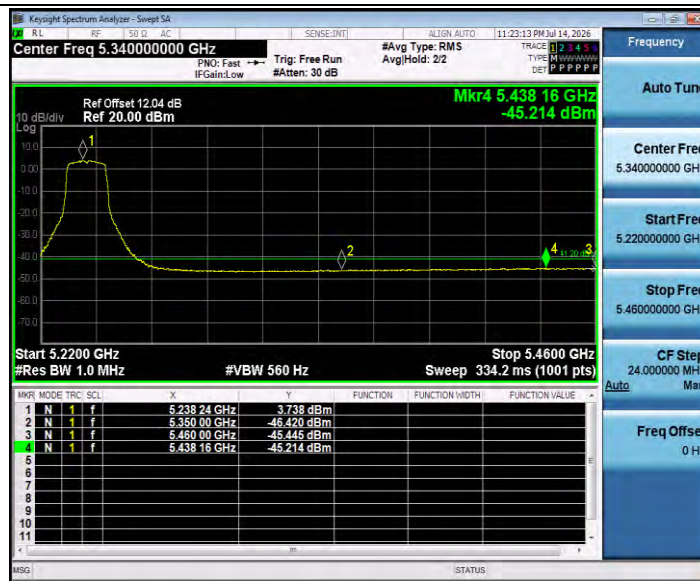
11A_Ant1_Low_5180_AV



11A_Ant1_Low_5180_Peak



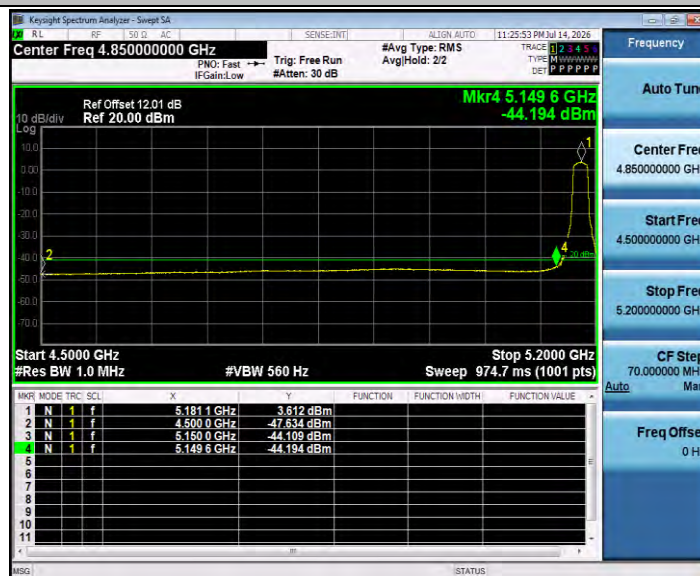
11A_Ant1_High_5240_AV



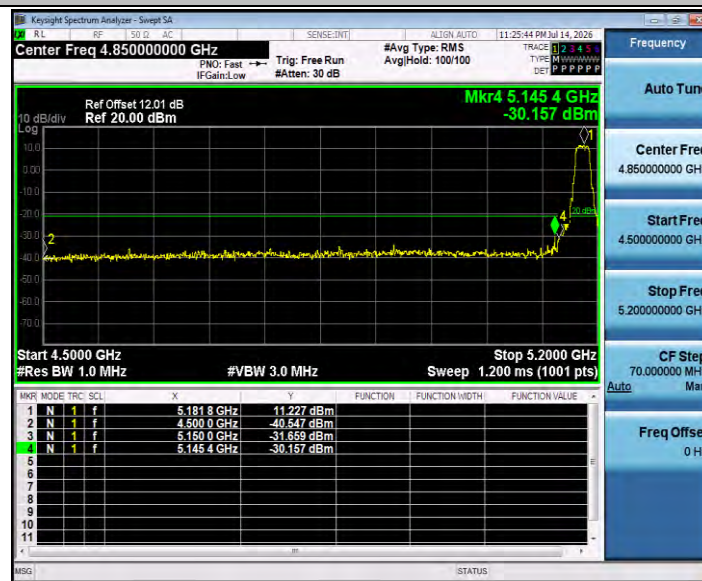
11A_Ant1_High_5240_Peak



11N20SISO_Ant1_Low_5180_AV



11N20SISO_Ant1_Low_5180_Peak



11N20SISO_Ant1_High_5240_AV



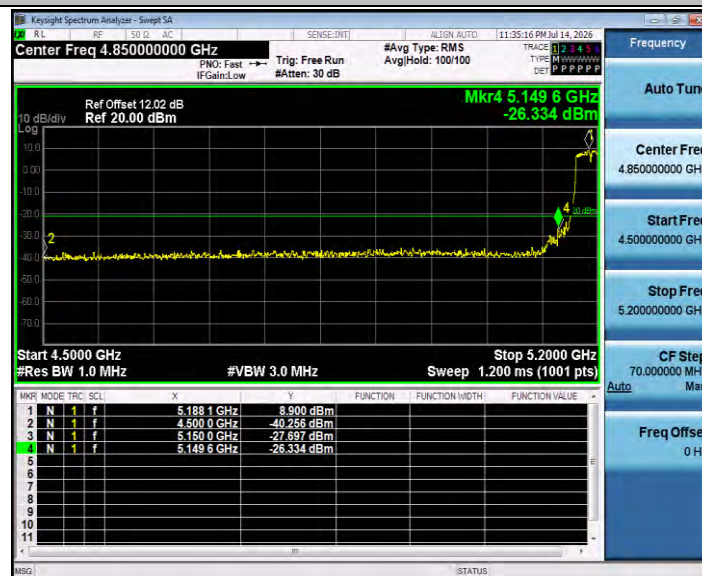
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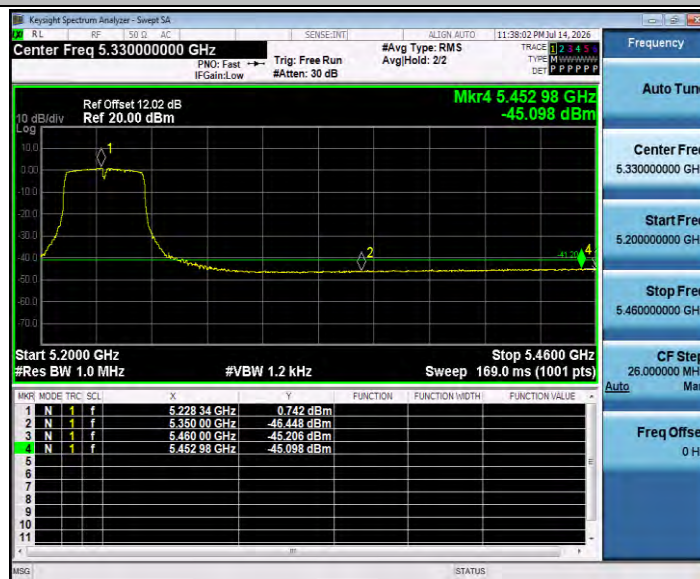
11N40SISO_Ant1_Low_5190_AV



11N40SISO_Ant1_Low_5190_Peak



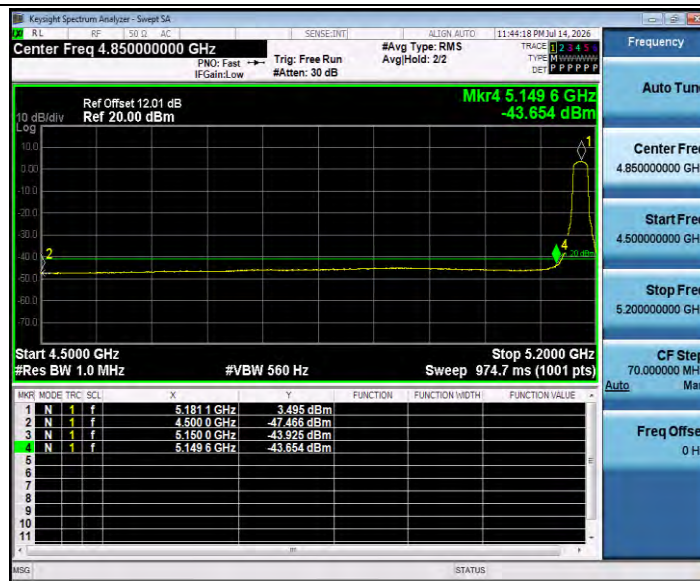
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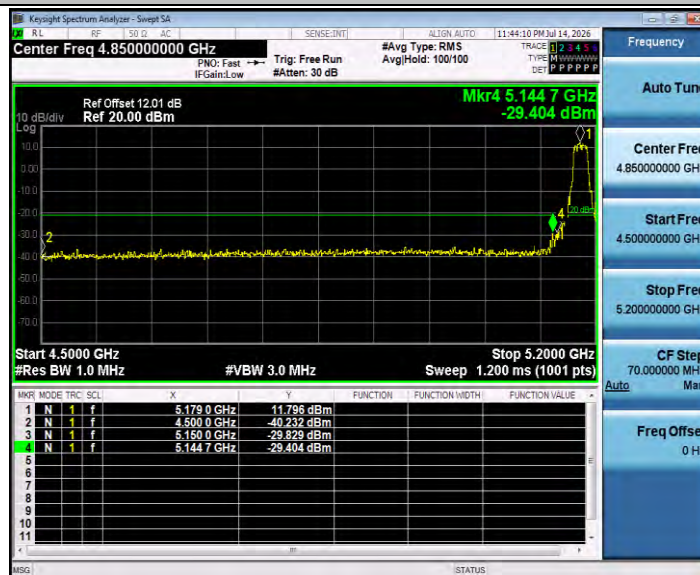
11N40SISO_Ant1_High_5230_Peak



11AC20SISO_Ant1_Low_5180_AV



11AC20SISO_Ant1_Low_5180_Peak



11AC20SISO_Ant1_High_5240_AV



11AC20SISO_Ant1_High_5240_Peak



11AC40SISO_Ant1_Low_5190_AV



11AC40SISO_Ant1_Low_5190_Peak



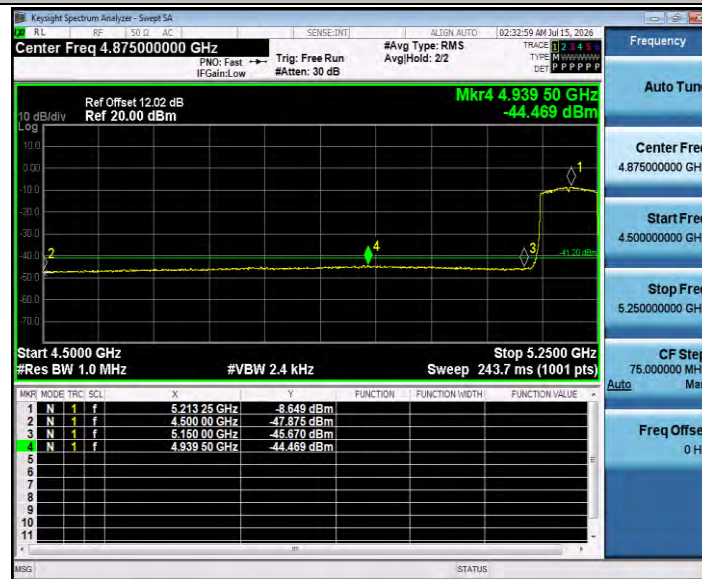
11AC40SISO_Ant1_High_5230_AV



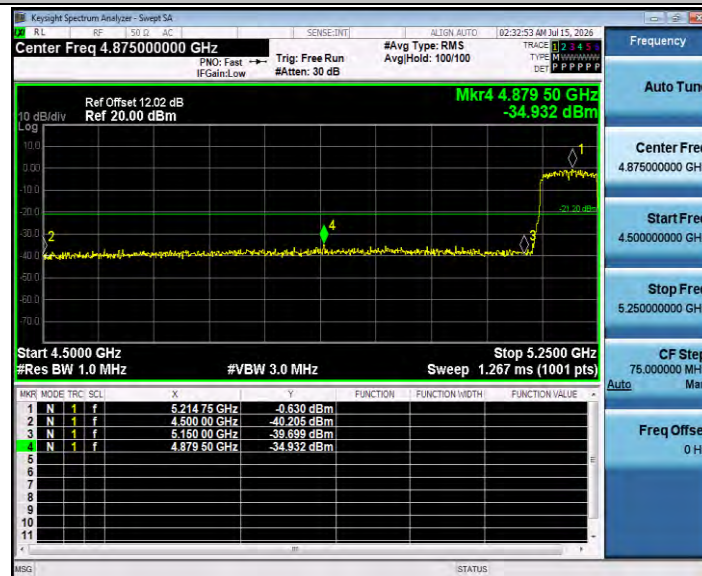
11AC40SISO_Ant1_High_5230_Peak



11AC80SISO_Ant1_Low_5210_AV



11AC80SISO_Ant1_Low_5210_Peak



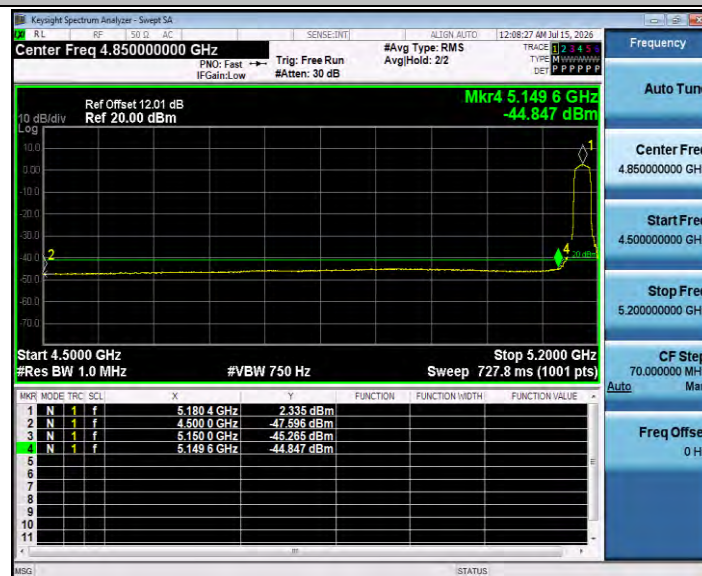
11AC80SISO_Ant1_High_5210_AV



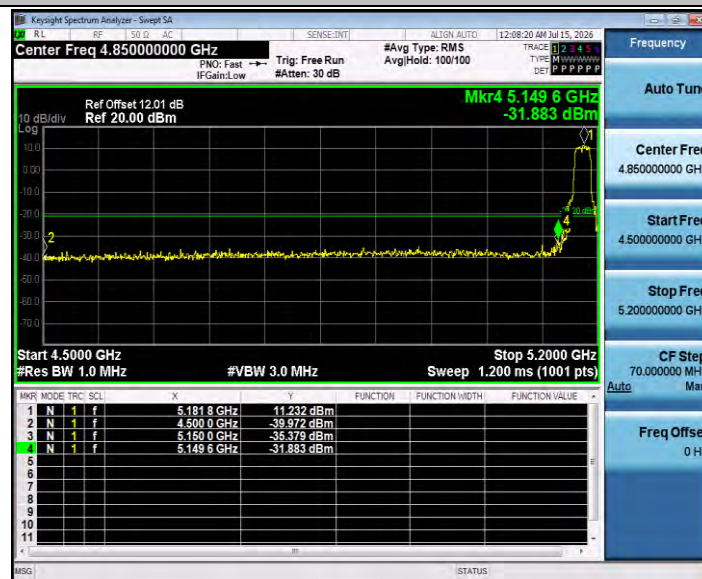
11AC80ISO_Ant1_High_5210_Peak



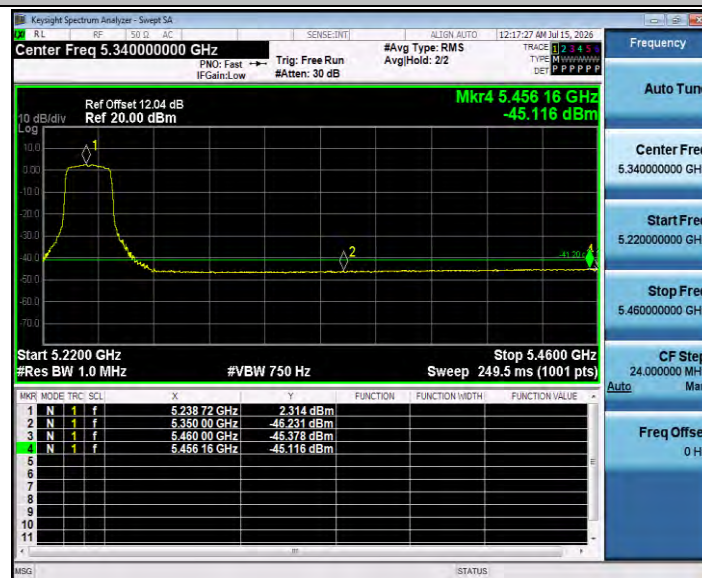
11AX20ISO_Ant1_Low_5180_AV



11AX20SISO_Ant1_Low_5180_Peak



11AX20SISO_Ant1_High_5240_AV



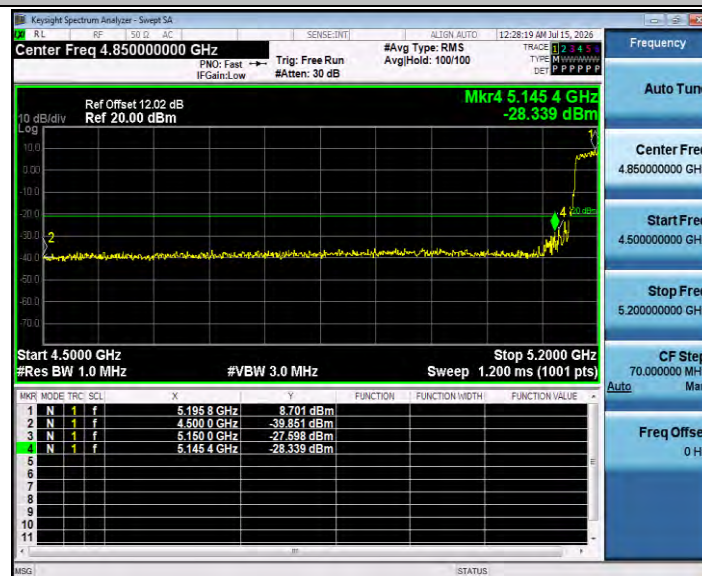
11AX20SISO_Ant1_High_5240_Peak



11AX40SISO_Ant1_Low_5190_AV



11AX40SISO_Ant1_Low_5190_Peak



11AX40SISO_Ant1_High_5230_AV



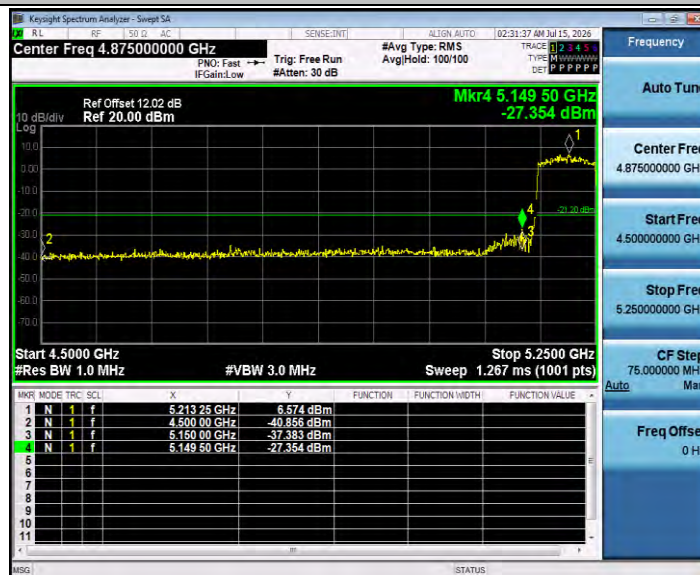
11AX40SISO_Ant1_High_5230_Peak



11AX80SISO_Ant1_Low_5210_AV



11AX80SISO_Ant1_Low_5210_Peak



11AX80SISO_Ant1_High_5210_AV

