



11AX40SISO_Ant1_5795_30~5650



11AX40SISO_Ant1_5795_5925~40000

11.9 Emissions in Restricted Bands

11.9.1 Test Data

TestMode	Antenna	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	5180	AV	4500.000	-54.46	≤-41.20	40.74	≤54	PASS
			AV	4925.600	-50.34	≤-41.20	44.86	≤54	PASS
			AV	5150.000	-51.59	≤-41.20	43.61	≤54	PASS
			Peak	4500.000	-40.9	≤-21.20	54.30	≤74	PASS
			Peak	5025.700	-37.22	≤-21.20	57.98	≤74	PASS
			Peak	5150.000	-40.47	≤-21.20	54.73	≤74	PASS
		5240	AV	5350.000	-53	≤-41.20	42.20	≤54	PASS
			AV	5454.720	-50.76	≤-41.20	44.44	≤54	PASS
			AV	5460.000	-51.46	≤-41.20	43.74	≤54	PASS
			Peak	5350.000	-42.21	≤-21.20	52.99	≤74	PASS
			Peak	5443.680	-39.49	≤-21.20	55.71	≤74	PASS
			Peak	5460.000	-42.13	≤-21.20	53.07	≤74	PASS
		5745	Peak	5650.000	-40.382	≤-27.00	---	---	PASS
			Peak	5700.000	-40.39	≤10.00	---	---	PASS
			Peak	5720.000	-34.96	≤15.60	---	---	PASS
			Peak	5725.000	-29.47	≤27.00	---	---	PASS
		5825	Peak	5850.000	-33.984	≤15.60	---	---	PASS
			Peak	5855.000	-40.23	≤27.00	---	---	PASS
			Peak	5875.000	-42.44	≤15.60	---	---	PASS
			Peak	5925.000	-41.83	≤10.00	---	---	PASS
11N20SISO	Ant1	5180	AV	4500.000	-54.35	≤-41.20	40.85	≤54	PASS
			AV	4922.800	-49.83	≤-41.20	45.37	≤54	PASS
			AV	5150.000	-50.84	≤-41.20	44.36	≤54	PASS
			Peak	4500.000	-41.36	≤-21.20	53.84	≤74	PASS
			Peak	4936.100	-36.14	≤-21.20	59.06	≤74	PASS
			Peak	5150.000	-39.01	≤-21.20	56.19	≤74	PASS
		5240	AV	5350.000	-52.98	≤-41.20	42.22	≤54	PASS
			AV	5454.720	-50.99	≤-41.20	44.21	≤54	PASS
			AV	5460.000	-51.25	≤-41.20	43.95	≤54	PASS
			Peak	5350.000	-42.42	≤-21.20	52.78	≤74	PASS
			Peak	5458.320	-38.44	≤-21.20	56.76	≤74	PASS
			Peak	5460.000	-41.42	≤-21.20	53.78	≤74	PASS
		5745	Peak	5650.000	-39.78	≤-27.00	---	---	PASS
			Peak	5700.000	-42.01	≤10.00	---	---	PASS
			Peak	5720.000	-40.25	≤15.60	---	---	PASS
			Peak	5725.000	-20.37	≤27.00	---	---	PASS
		5825	Peak	5850.000	-42.036	≤15.60	---	---	PASS
			Peak	5855.000	-40.1	≤27.00	---	---	PASS
			Peak	5875.000	-41.28	≤15.60	---	---	PASS
			Peak	5925.000	-42.75	≤10.00	---	---	PASS
11N40SIS	Ant1	5190	AV	4500.000	-52.43	≤-41.20	42.77	≤54	PASS

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O			AV	5149.600	-45.22	≤-41.20	49.98	≤54	PASS
			AV	5150.000	-45.1	≤-41.20	50.10	≤54	PASS
			Peak	4500.000	-40.83	≤-21.20	54.37	≤74	PASS
			Peak	5148.900	-34.63	≤-21.20	60.57	≤74	PASS
			Peak	5150.000	-35.95	≤-21.20	59.25	≤74	PASS
		5230	AV	5350.000	-52.26	≤-41.20	42.94	≤54	PASS
			AV	5451.940	-50.1	≤-41.20	45.10	≤54	PASS
			AV	5460.000	-50.76	≤-41.20	44.44	≤54	PASS
			Peak	5350.000	-42.23	≤-21.20	52.97	≤74	PASS
			Peak	5406.440	-38.84	≤-21.20	56.36	≤74	PASS
			Peak	5460.000	-40.28	≤-21.20	54.92	≤74	PASS
		5755	Peak	5650.000	-39.499	≤-27.00	---	---	PASS
			Peak	5700.000	-38.93	≤10.00	---	---	PASS
			Peak	5720.000	-37.7	≤15.60	---	---	PASS
			Peak	5725.000	-27.8	≤27.00	---	---	PASS
		5795	Peak	5850.000	-41.658	≤15.60	---	---	PASS
			Peak	5855.000	-40.75	≤27.00	---	---	PASS
			Peak	5875.000	-42.29	≤15.60	---	---	PASS
			Peak	5925.000	-41.62	≤10.00	---	---	PASS
11AC20SI SO	Ant1	5180	AV	4500.000	-54.08	≤-41.20	41.12	≤54	PASS
			AV	4924.200	-49.49	≤-41.20	45.71	≤54	PASS
			AV	5150.000	-50.71	≤-41.20	44.49	≤54	PASS
			Peak	4500.000	-41.2	≤-21.20	54.00	≤74	PASS
			Peak	5032.700	-36.61	≤-21.20	58.59	≤74	PASS
			Peak	5150.000	-39.58	≤-21.20	55.62	≤74	PASS
		5240	AV	5350.000	-53.26	≤-41.20	41.94	≤54	PASS
			AV	5456.160	-50.84	≤-41.20	44.36	≤54	PASS
			AV	5460.000	-51.1	≤-41.20	44.10	≤54	PASS
			Peak	5350.000	-42.34	≤-21.20	52.86	≤74	PASS
			Peak	5434.080	-38.8	≤-21.20	56.40	≤74	PASS
			Peak	5460.000	-41.6	≤-21.20	53.60	≤74	PASS
		5745	Peak	5650.000	-42.418	≤-27.00	---	---	PASS
			Peak	5700.000	-41.27	≤10.00	---	---	PASS
			Peak	5720.000	-38.72	≤15.60	---	---	PASS
			Peak	5725.000	-27.82	≤27.00	---	---	PASS
		5825	Peak	5850.000	-40.583	≤15.60	---	---	PASS
			Peak	5855.000	-41.42	≤27.00	---	---	PASS
			Peak	5875.000	-42.65	≤15.60	---	---	PASS
			Peak	5925.000	-41.49	≤10.00	---	---	PASS
11AC40SI SO	Ant1	5190	AV	4500.000	-52.24	≤-41.20	42.96	≤54	PASS
			AV	5149.600	-45.6	≤-41.20	49.60	≤54	PASS
			AV	5150.000	-45.45	≤-41.20	49.75	≤54	PASS
			Peak	4500.000	-41.83	≤-21.20	53.37	≤74	PASS
			Peak	5148.900	-34.06	≤-21.20	61.14	≤74	PASS
			Peak	5150.000	-33.9	≤-21.20	61.30	≤74	PASS
		5230	AV	5350.000	-52.45	≤-41.20	42.75	≤54	PASS
			AV	5458.960	-50.11	≤-41.20	45.09	≤54	PASS

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			AV	5460.000	-50.37	≤ -41.20	44.83	≤ 54	PASS
			Peak	5350.000	-42.07	≤ -21.20	53.13	≤ 74	PASS
			Peak	5451.160	-39.16	≤ -21.20	56.04	≤ 74	PASS
			Peak	5460.000	-41.17	≤ -21.20	54.03	≤ 74	PASS
		5755	Peak	5650.000	-41.054	≤ -27.00	---	---	PASS
			Peak	5700.000	-41.08	≤ 10.00	---	---	PASS
			Peak	5720.000	-32.49	≤ 15.60	---	---	PASS
			Peak	5725.000	-25.11	≤ 27.00	---	---	PASS
		5795	Peak	5850.000	-40.443	≤ 15.60	---	---	PASS
			Peak	5855.000	-40.63	≤ 27.00	---	---	PASS
			Peak	5875.000	-42.99	≤ 15.60	---	---	PASS
			Peak	5925.000	-41.95	≤ 10.00	---	---	PASS
11AX20SI SO	Ant1	5180	AV	4500.000	-53.44	≤ -41.20	41.76	≤ 54	PASS
			AV	4927.700	-49.13	≤ -41.20	46.07	≤ 54	PASS
			AV	5150.000	-50	≤ -41.20	45.20	≤ 54	PASS
			Peak	4500.000	-41.81	≤ -21.20	53.39	≤ 74	PASS
			Peak	4945.200	-36.89	≤ -21.20	58.31	≤ 74	PASS
			Peak	5150.000	-40.04	≤ -21.20	55.16	≤ 74	PASS
		5240	AV	5350.000	-53.05	≤ -41.20	42.15	≤ 54	PASS
			AV	5455.920	-50.24	≤ -41.20	44.96	≤ 54	PASS
			AV	5460.000	-51.14	≤ -41.20	44.06	≤ 54	PASS
			Peak	5350.000	-40.22	≤ -21.20	54.98	≤ 74	PASS
			Peak	5389.440	-39.41	≤ -21.20	55.79	≤ 74	PASS
			Peak	5460.000	-40.77	≤ -21.20	54.43	≤ 74	PASS
		5745	Peak	5650.000	-38.451	≤ -27.00	---	---	PASS
			Peak	5700.000	-41.87	≤ 10.00	---	---	PASS
			Peak	5720.000	-37.32	≤ 15.60	---	---	PASS
			Peak	5725.000	-27.92	≤ 27.00	---	---	PASS
		5825	Peak	5850.000	-35.174	≤ 15.60	---	---	PASS
			Peak	5855.000	-41.47	≤ 27.00	---	---	PASS
			Peak	5875.000	-41.87	≤ 15.60	---	---	PASS
			Peak	5925.000	-41.44	≤ 10.00	---	---	PASS
11AX40SI SO	Ant1	5190	AV	4500.000	-51.68	≤ -41.20	43.52	≤ 54	PASS
			AV	5149.600	-45.27	≤ -41.20	49.93	≤ 54	PASS
			AV	5150.000	-44.81	≤ -41.20	50.39	≤ 54	PASS
			Peak	4500.000	-42.01	≤ -21.20	53.19	≤ 74	PASS
			Peak	4926.300	-36.01	≤ -21.20	59.19	≤ 74	PASS
			Peak	5150.000	-37.64	≤ -21.20	57.56	≤ 74	PASS
		5230	AV	5350.000	-51.01	≤ -41.20	44.19	≤ 54	PASS
			AV	5378.620	-49.78	≤ -41.20	45.42	≤ 54	PASS
			AV	5460.000	-50.54	≤ -41.20	44.66	≤ 54	PASS
			Peak	5350.000	-42.1	≤ -21.20	53.10	≤ 74	PASS
			Peak	5450.120	-38.18	≤ -21.20	57.02	≤ 74	PASS
			Peak	5460.000	-41.76	≤ -21.20	53.44	≤ 74	PASS
		5755	Peak	5650.000	-40.996	≤ -27.00	---	---	PASS
			Peak	5700.000	-41.79	≤ 10.00	---	---	PASS
			Peak	5720.000	-29.68	≤ 15.60	---	---	PASS

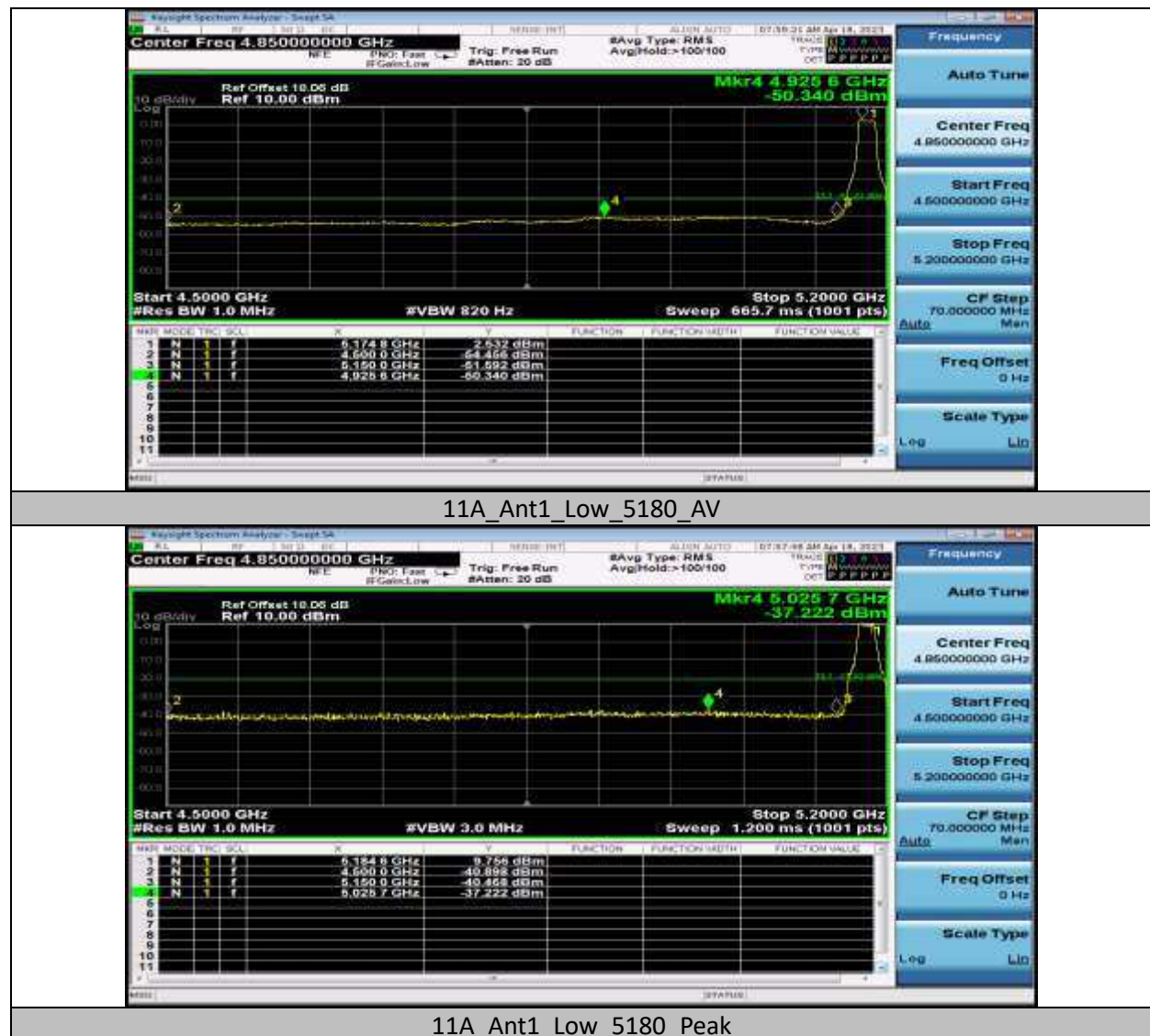
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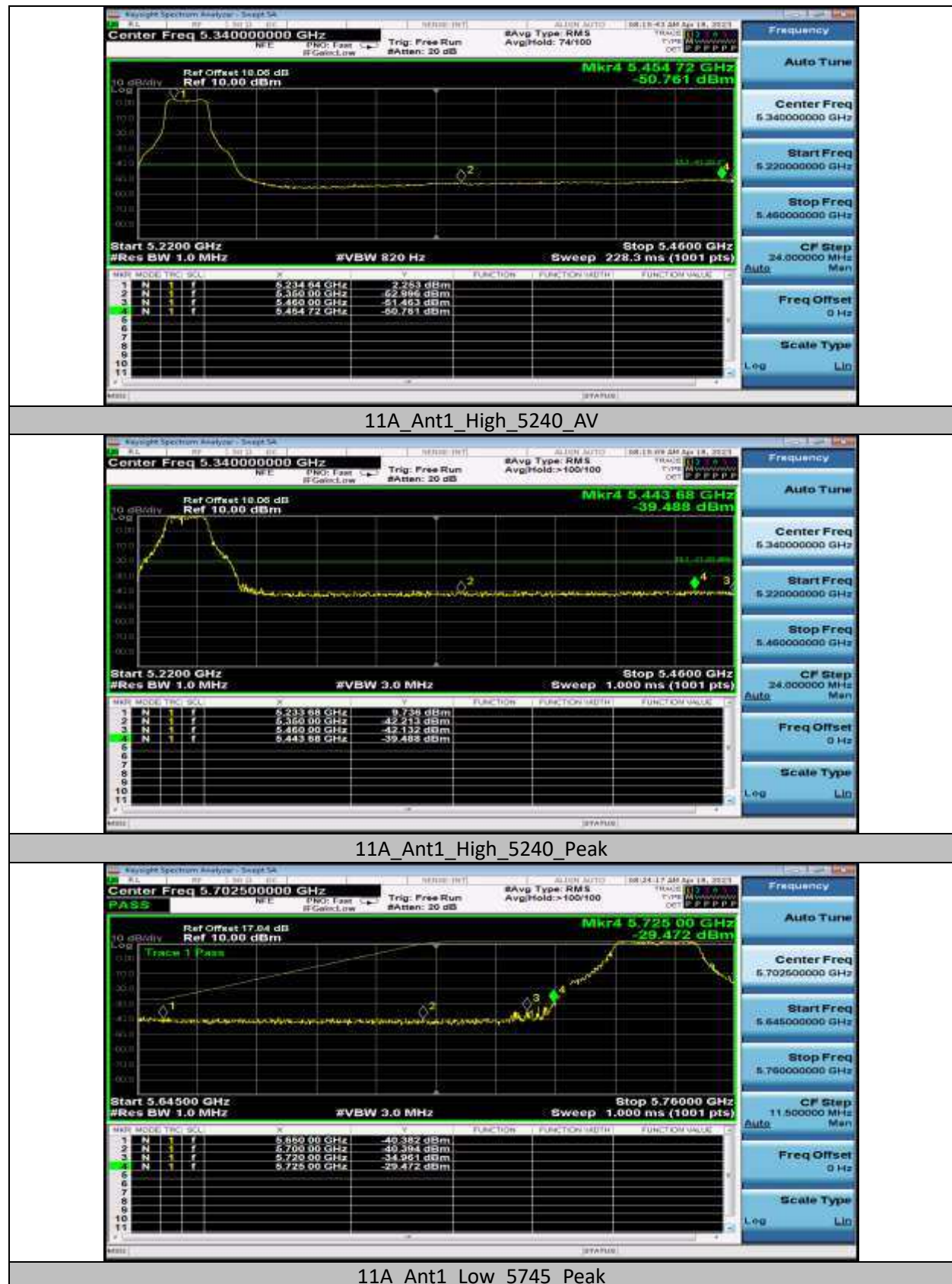
			Peak	5725.000	-29.89	≤ 27.00	---	---	PASS
			Peak	5850.000	-39.753	≤ 15.60	---	---	PASS
			Peak	5855.000	-41.85	≤ 27.00	---	---	PASS
			Peak	5875.000	-41.99	≤ 15.60	---	---	PASS
			Peak	5925.000	-42.56	≤ 10.00	---	---	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. 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.

11.9.2 Test Graphs







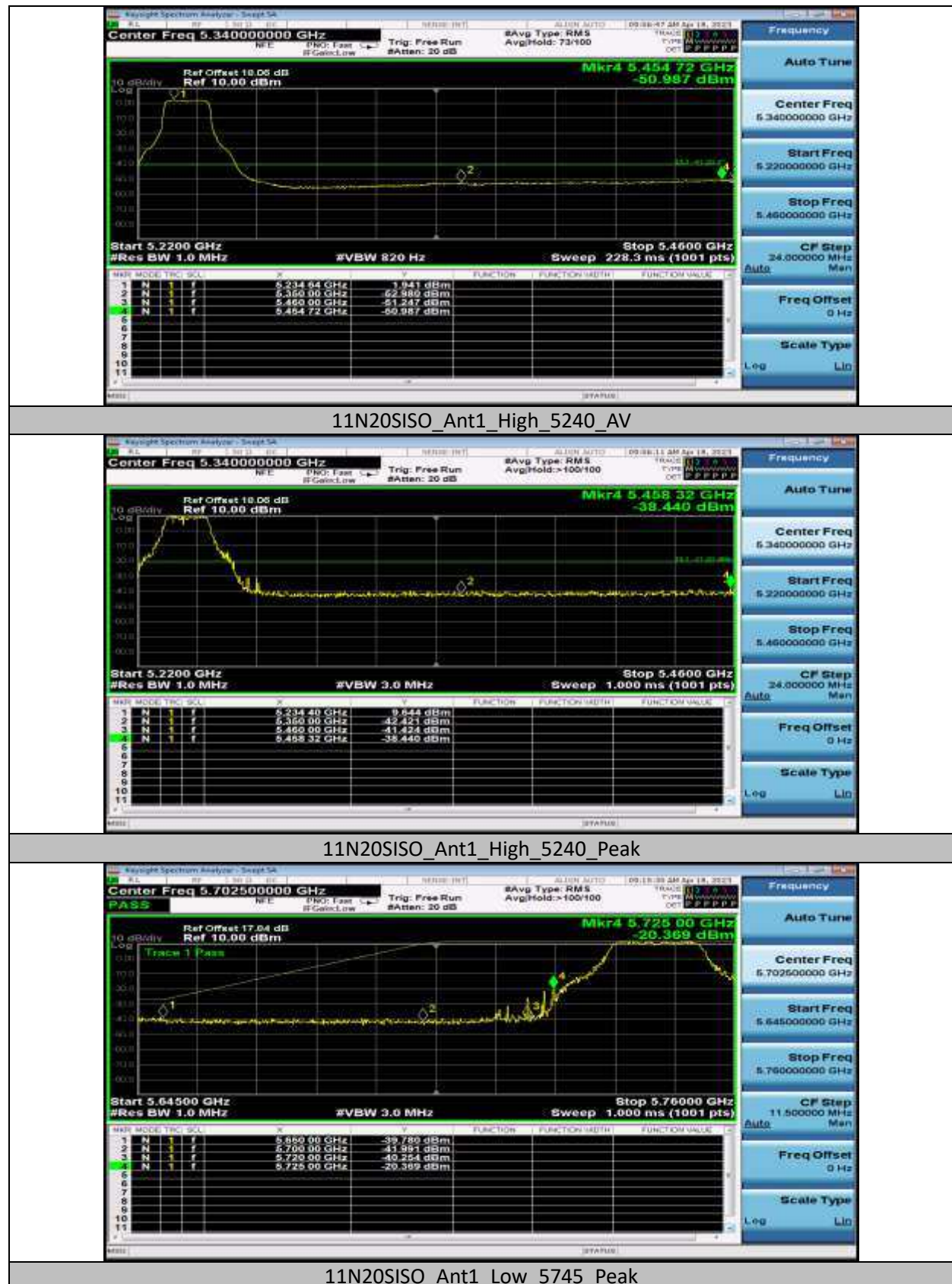
11A_Ant1_High_5825_Peak

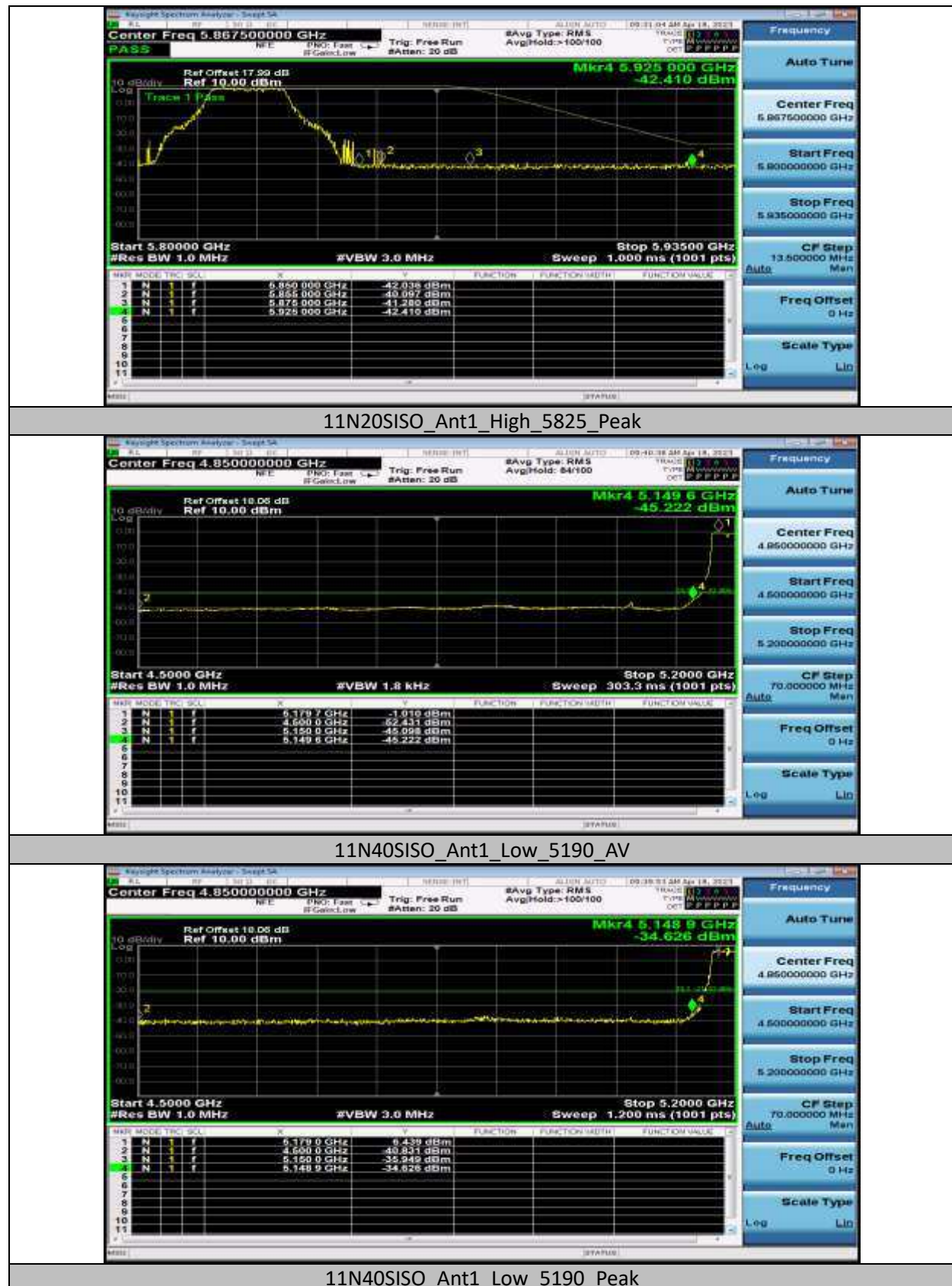


11N20SISO_Ant1_Low_5180_AV



11N20SISO_Ant1_Low_5180_Peak







11N40SISO_Ant1_High_5230_AV



11N40SISO_Ant1_High_5230_Peak



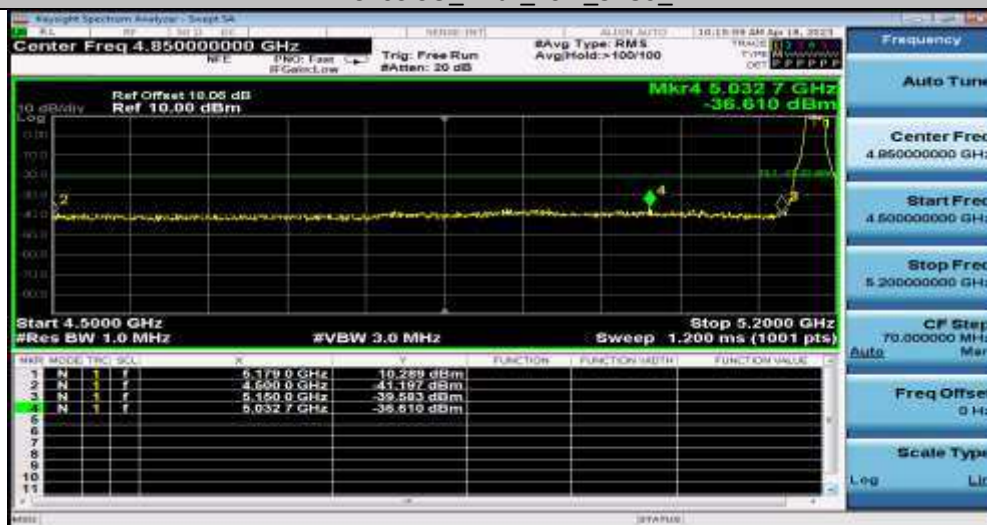
11N40SISO_Ant1_Low_5755_Peak



11N40SISO_Ant1_High_5795_Peak



11AC20SISO_Ant1_Low_5180_AV



11AC20SISO_Ant1_Low_5180_Peak

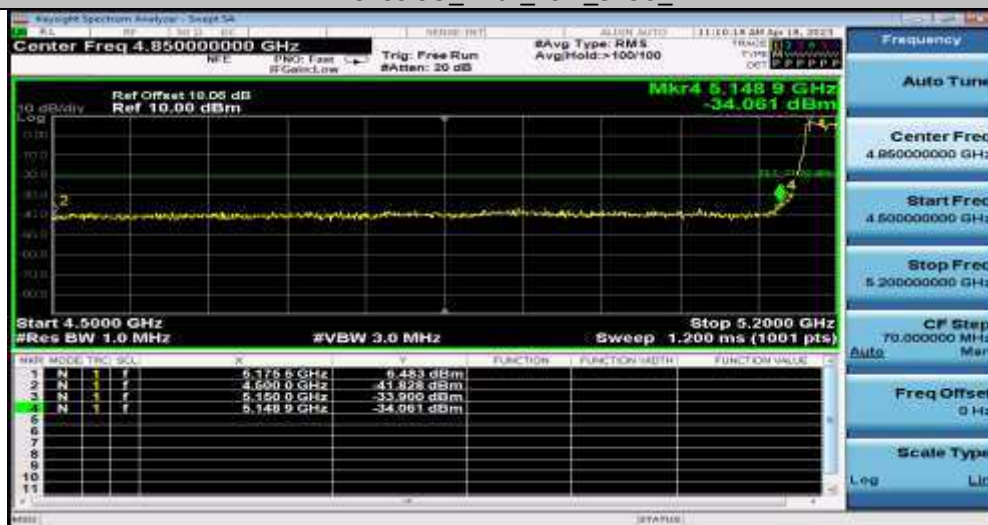




11AC20SISO_Ant1_High_5825_Peak



11AC40SISO_Ant1_Low_5190_AV



11AC40SISO_Ant1_Low_5190_Peak



11AC40SISO_Ant1_High_5230_AV



11AC40SISO_Ant1_High_5230_Peak



11AC40SISO_Ant1_Low_5755_Peak



11AC40SISO_Ant1_High_5795_Peak



11AX20SISO_Ant1_Low_5180_AV



11AX20SISO_Ant1_Low_5180_Peak



11AX20SISO_Ant1_High_5240_AV



11AX20SISO_Ant1_High_5240_Peak



11AX20SISO_Ant1_Low_5745_Peak



11AX20SISO_Ant1_High_5825_Peak



11AX40SISO_Ant1_Low_5190_AV



11AX40SISO_Ant1_Low_5190_Peak



11AX40SISO_Ant1_High_5230_AV



11AX40SISO_Ant1_High_5230_Peak



11AX40SISO_Ant1_Low_5755_Peak

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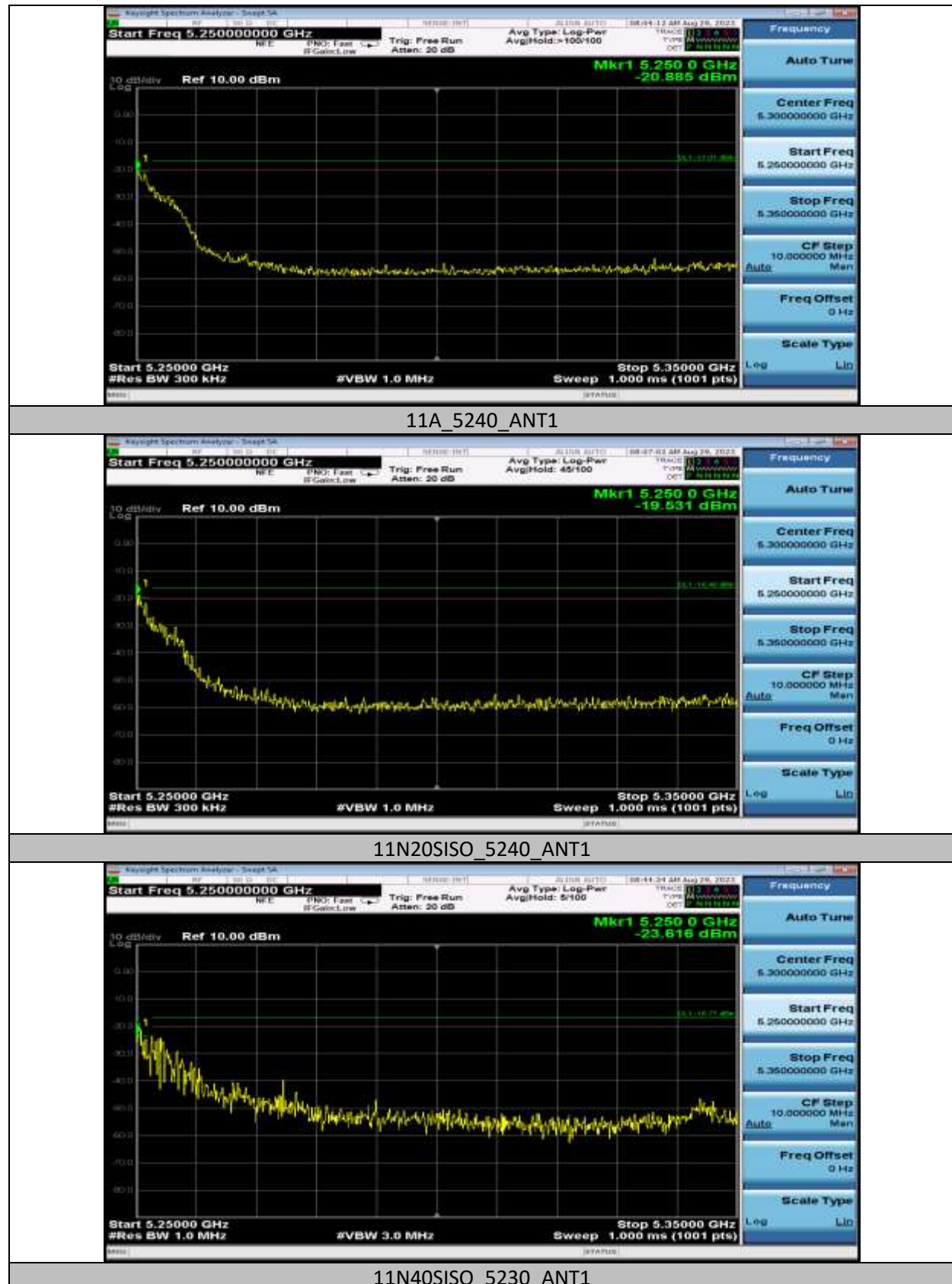


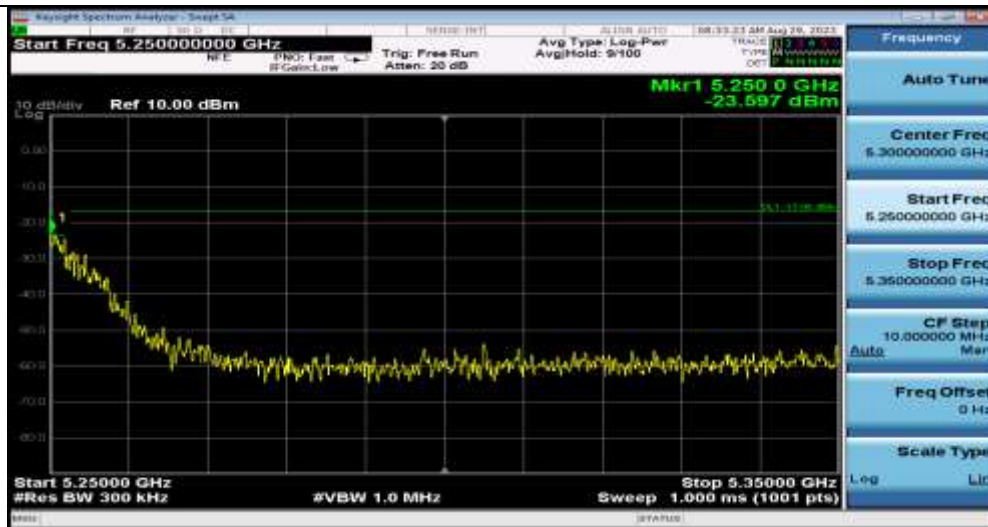
11AX40SISO_Ant1_High_5795_Peak

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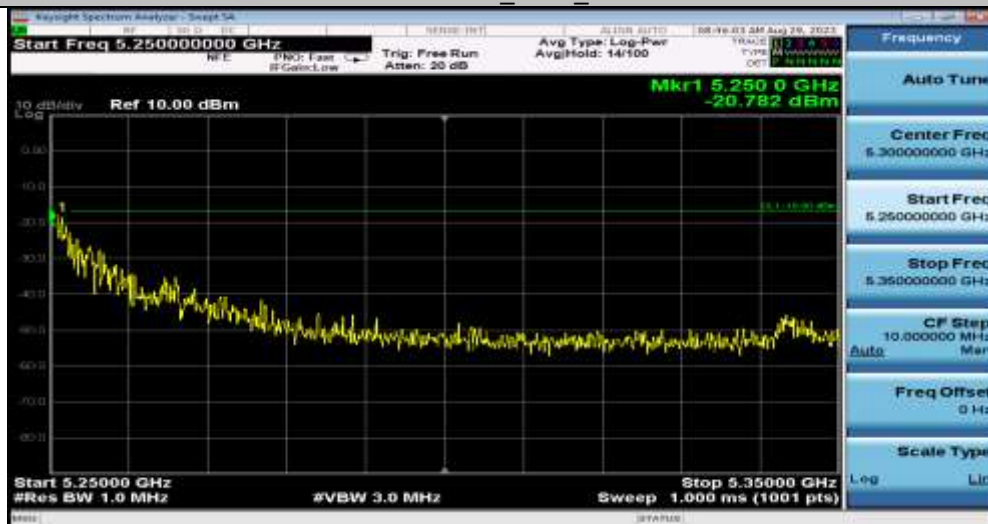
11.10 Unwanted Emissions

11.10.1 Test Data

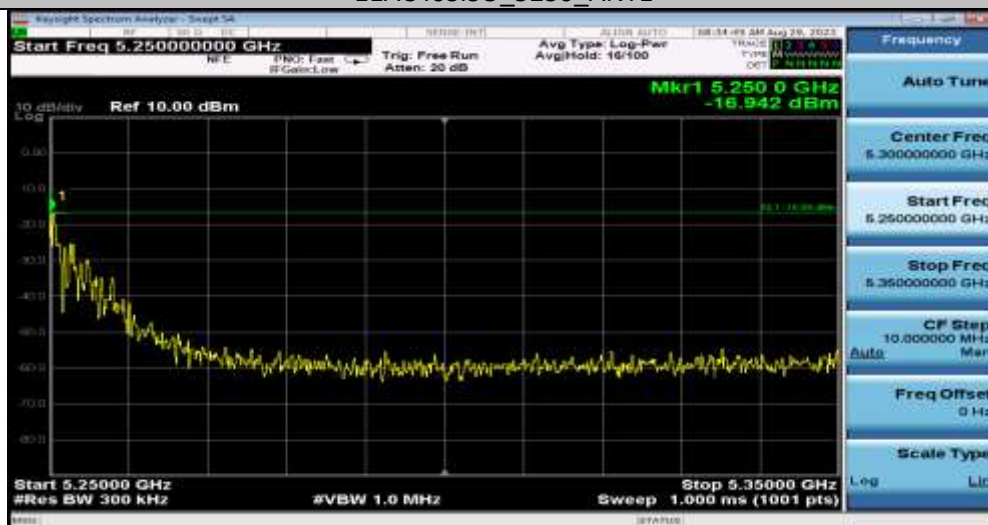




11AC20SISO_5240_ANT1

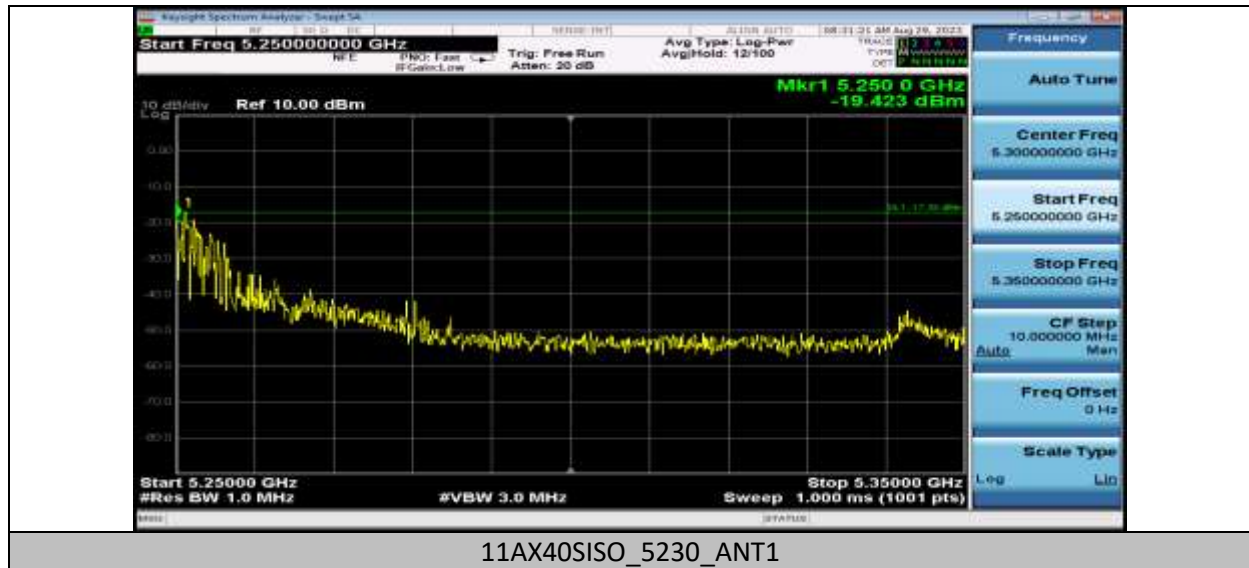


11AC40SISO_5230_ANT1



11AX20SISO_5240_ANT1

TEST REPORT



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