



Appendix E

RF Test Data for 5.3G WIFI (Conducted Measurement)

Product Name: 8inch tablet PC

Test Model: SoyMomo_Pro_V2

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



E.1 6dB Bandwidth

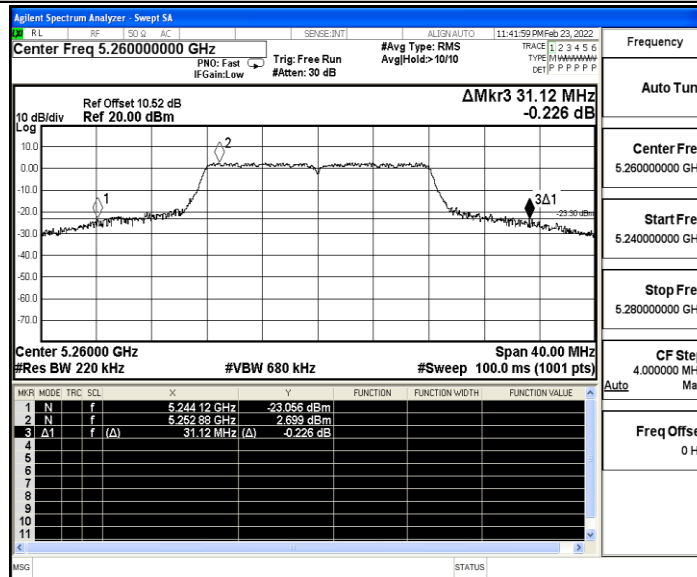
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant	5260	31.120	5244.120	5275.240	---	---
		5300	26.320	5286.160	5312.480	---	---
		5320	29.160	5304.920	5334.080	---	---
11N20SISO	Ant	5260	31.280	5244.360	5275.640	---	---
		5300	31.440	5284.320	5315.760	---	---
		5320	31.480	5304.080	5335.560	---	---
11N40SISO	Ant	5270	51.920	5244.880	5296.800	---	---
		5310	51.920	5286.640	5338.560	---	---
11AC20SISO	Ant	5260	31.880	5243.880	5275.760	---	---
		5300	31.920	5283.880	5315.800	---	---
		5320	34.800	5302.440	5337.240	---	---
11AC40SISO	Ant	5270	50.160	5245.120	5295.280	---	---
		5310	47.440	5287.200	5334.640	---	---
11AC80SISO	Ant	5290	87.360	5245.680	5333.040	---	---

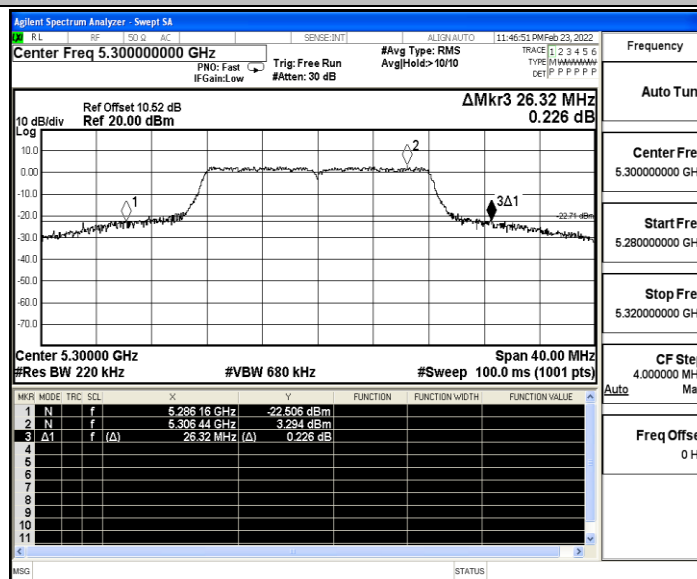


Test Graphs

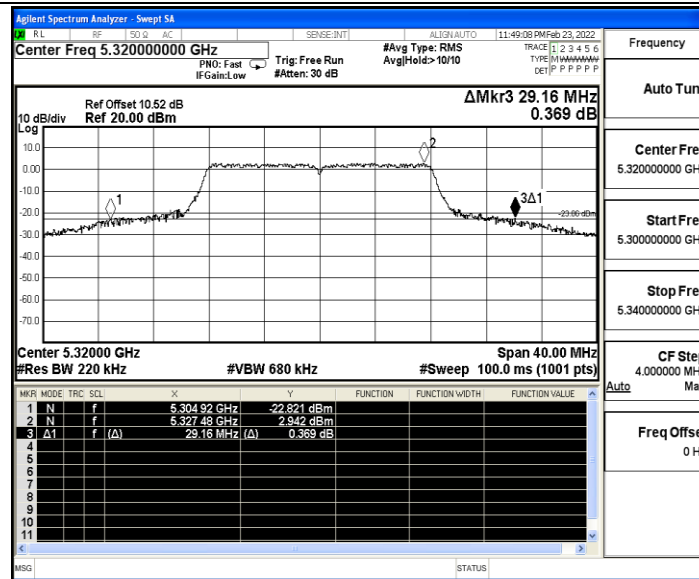
11A_Ant_5260



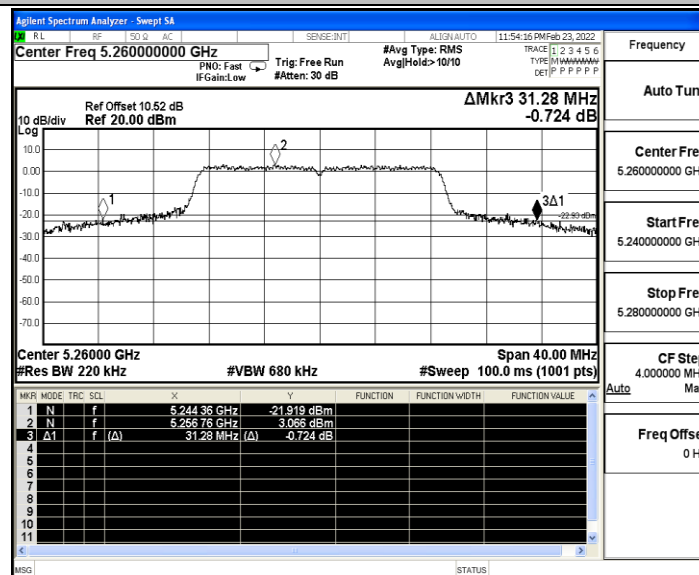
11A_Ant_5300



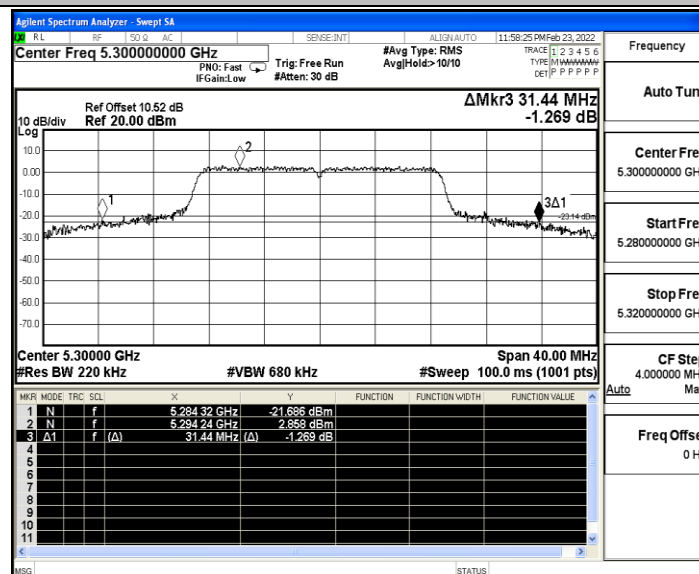
11A_Ant_5320



11N20SISO_Ant_5260

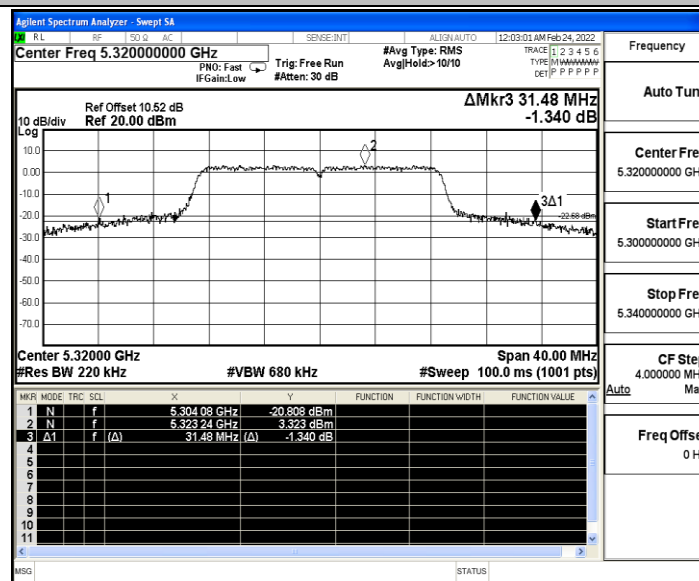


11N20SISO_Ant_5300

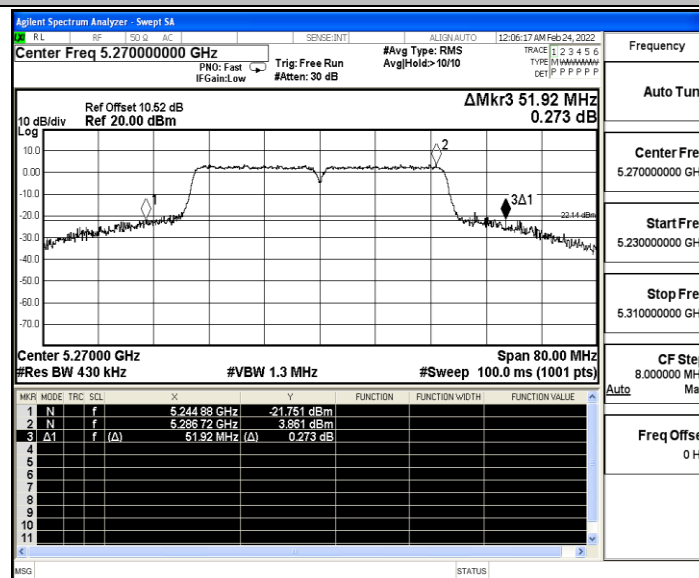




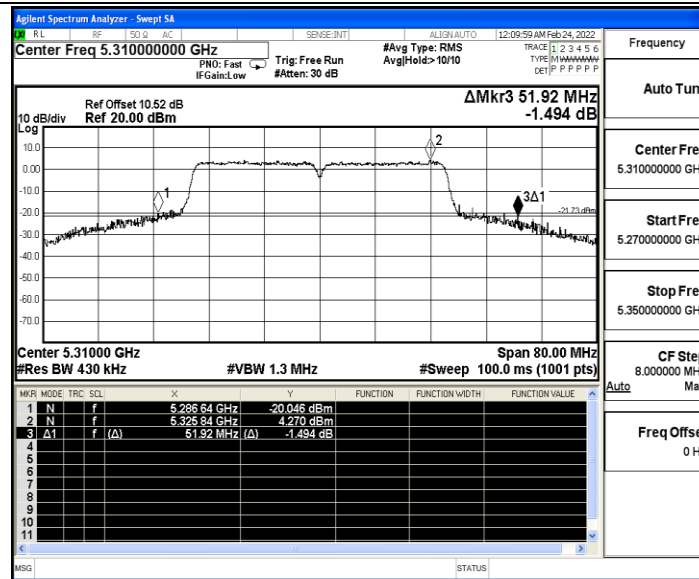
11N20SISO_Ant_5320



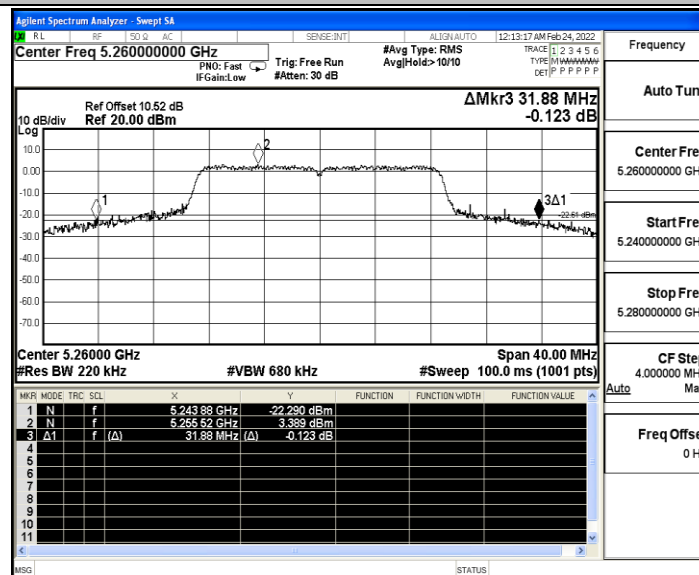
11N40SISO_Ant_5270



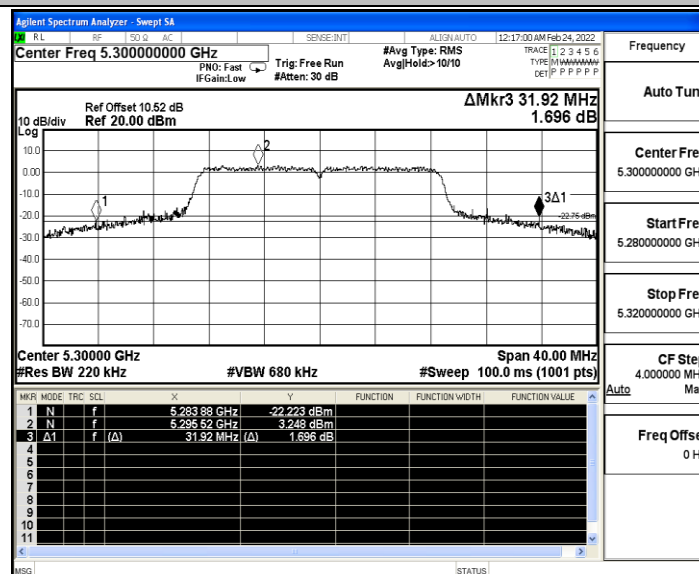
11N40SISO_Ant_5310



11AC20SISO_Ant_5260

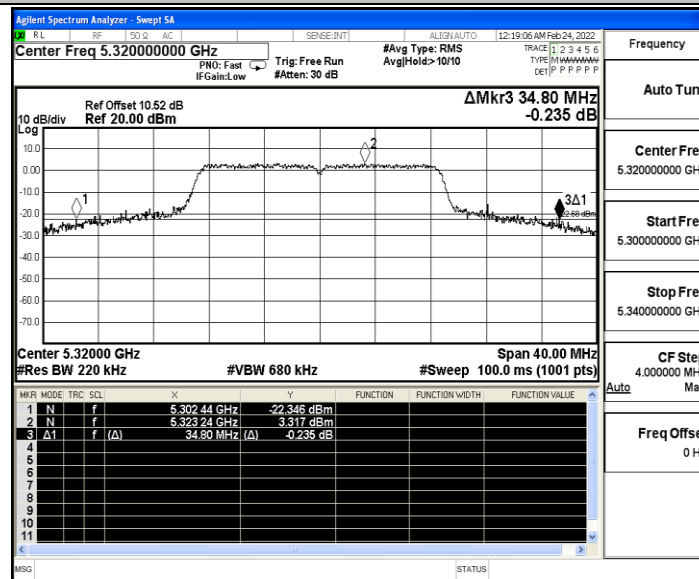


11AC20SISO_Ant_5300

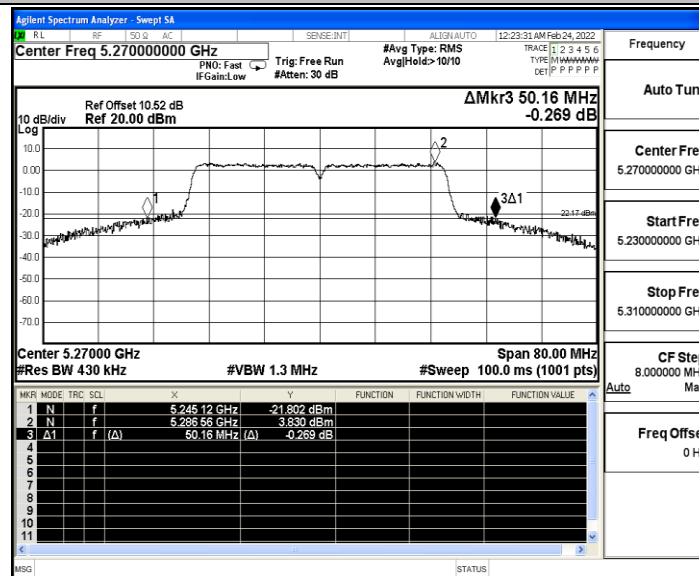




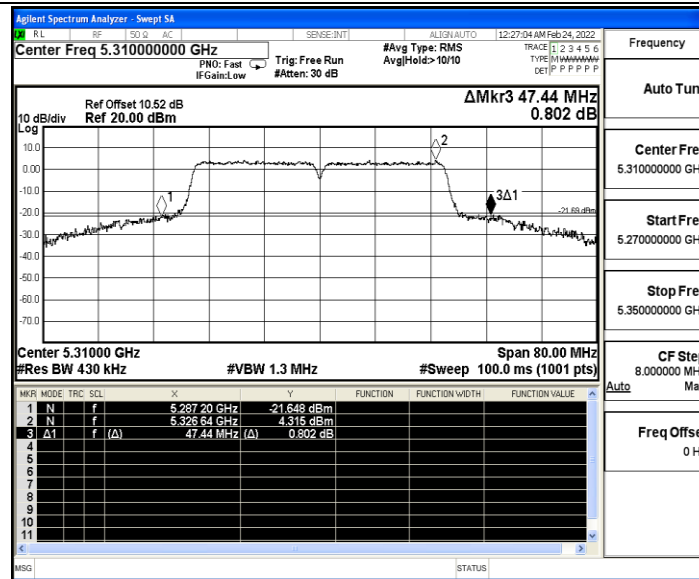
11AC20SISO_Ant_5320



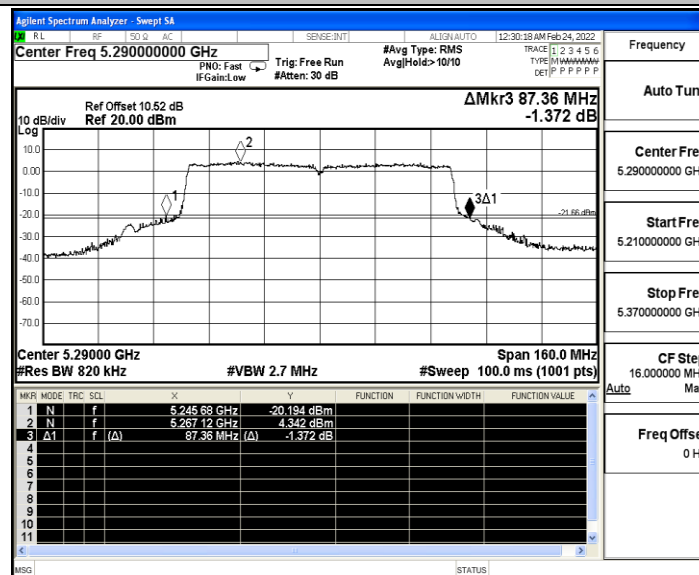
11AC40SISO_Ant_5270



11AC40SISO_Ant_5310



11AC80SISO_Ant_5290





E.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant	5260	12.91	≤23.98	PASS
		5300	12.81	≤23.98	PASS
		5320	13.51	≤23.98	PASS
11N20SISO	Ant	5260	13.19	≤23.98	PASS
		5300	13.22	≤23.98	PASS
		5320	13.53	≤23.98	PASS
11N40SISO	Ant	5270	12.88	≤23.98	PASS
		5310	13.43	≤23.98	PASS
11AC20SISO	Ant	5260	13.26	≤23.98	PASS
		5300	13.21	≤23.98	PASS
		5320	13.52	≤23.98	PASS
11AC40SISO	Ant	5270	12.98	≤23.98	PASS
		5310	13.36	≤23.98	PASS
11AC80SISO	Ant	5290	13.31	≤23.98	PASS

Note: The Duty Cycle Factor is compensated in the graph.



E.3 Maximum power spectral density

Test Result

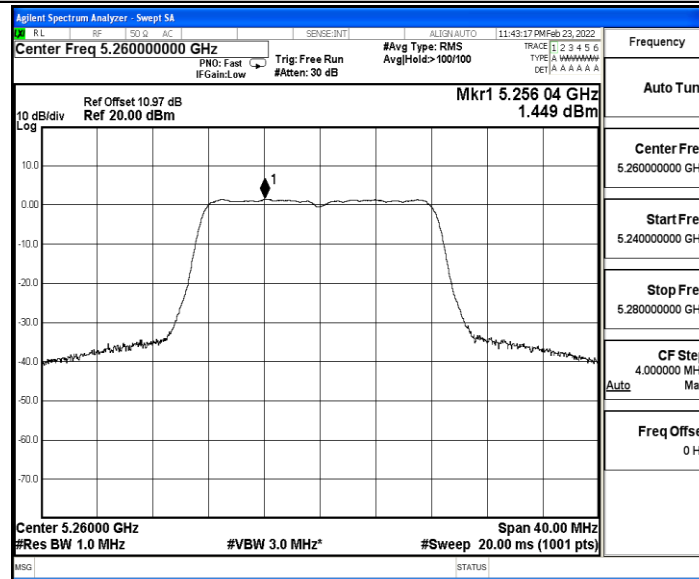
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant	5260	1.43	≤11.00	PASS
		5300	1.36	≤11.00	PASS
		5320	2.02	≤11.00	PASS
11N20SISO	Ant	5260	1.41	≤11.00	PASS
		5300	1.6	≤11.00	PASS
		5320	1.98	≤11.00	PASS
11N40SISO	Ant	5270	-1.73	≤11.00	PASS
		5310	-1.25	≤11.00	PASS
11AC20SISO	Ant	5260	1.5	≤11.00	PASS
		5300	1.43	≤11.00	PASS
		5320	1.73	≤11.00	PASS
11AC40SISO	Ant	5270	-1.52	≤11.00	PASS
		5310	-1.21	≤11.00	PASS
11AC80SISO	Ant	5290	-4.08	≤11.00	PASS

Note: 1.The Duty Cycle Factor and RBW Factor is compensated in the graph.

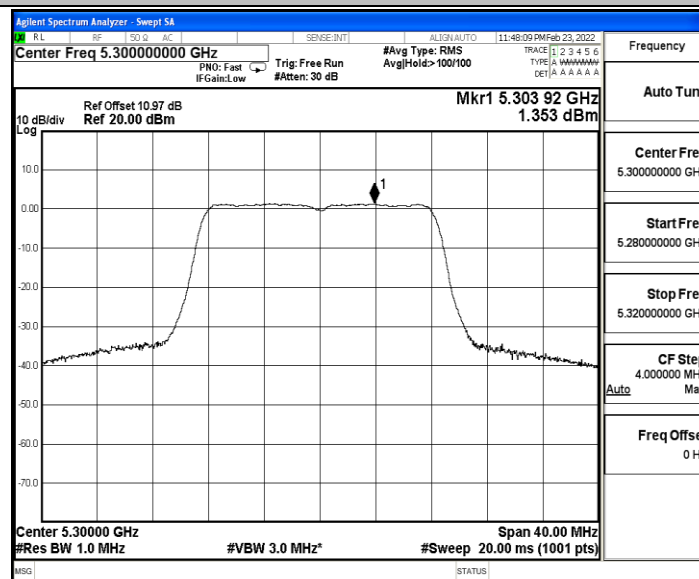


Test Graphs

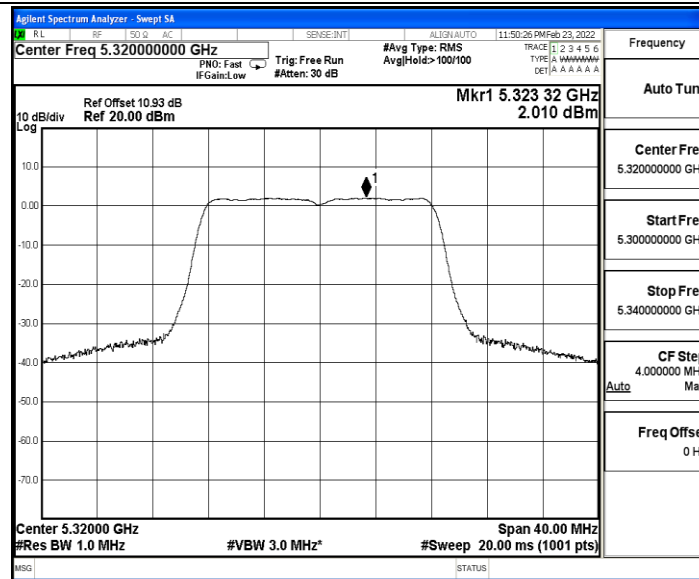
11A_Ant_5260



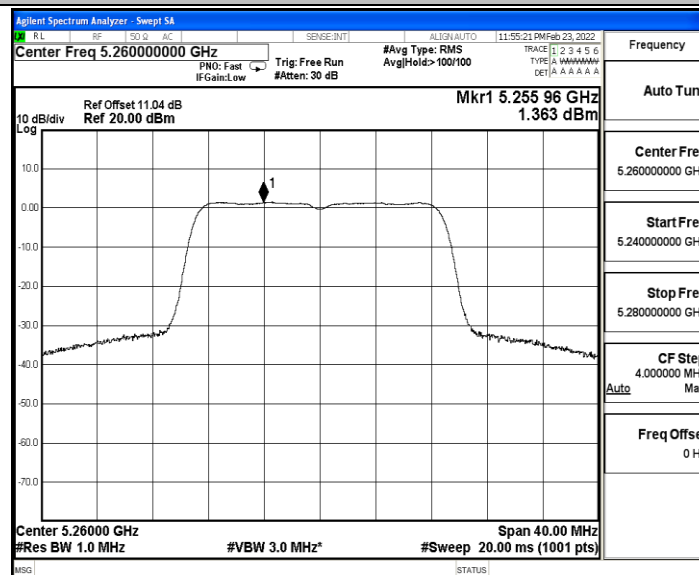
11A_Ant_5300



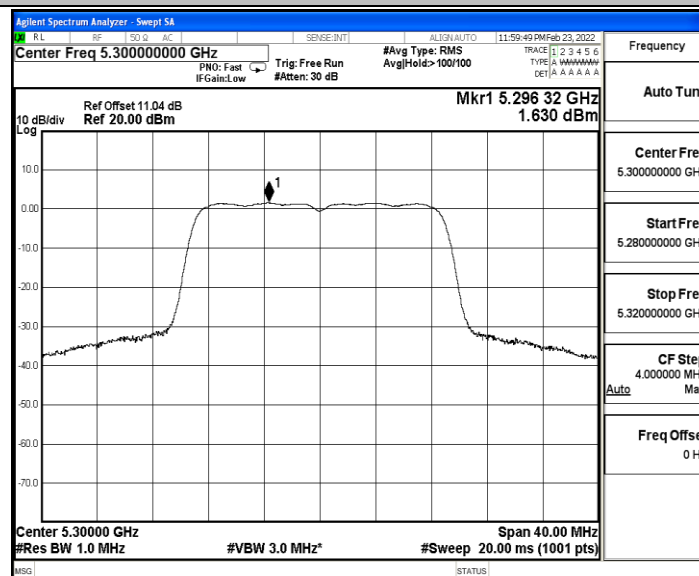
11A_Ant_5320



11N20SISO_Ant_5260

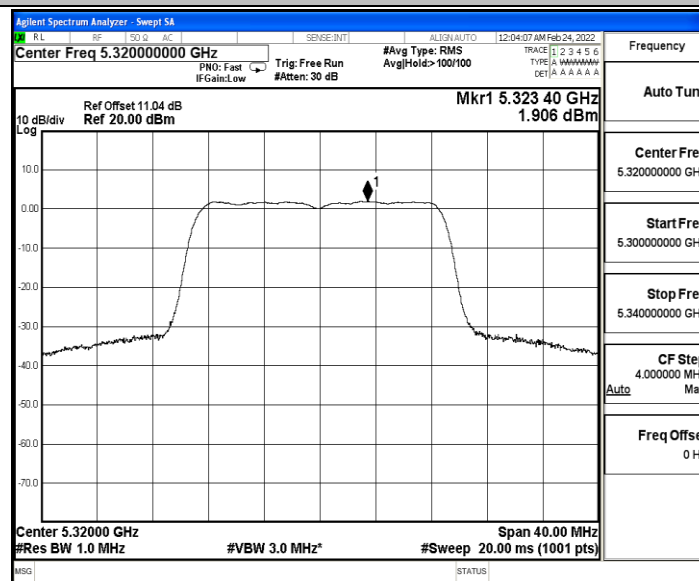


11N20SISO_Ant_5300

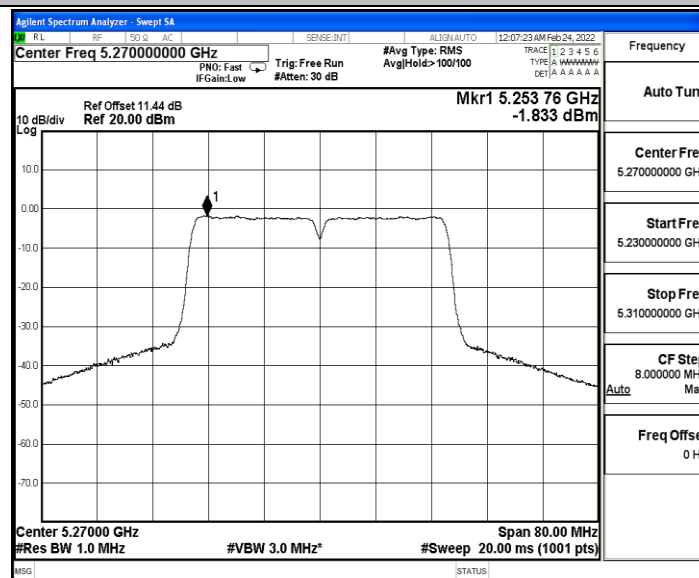




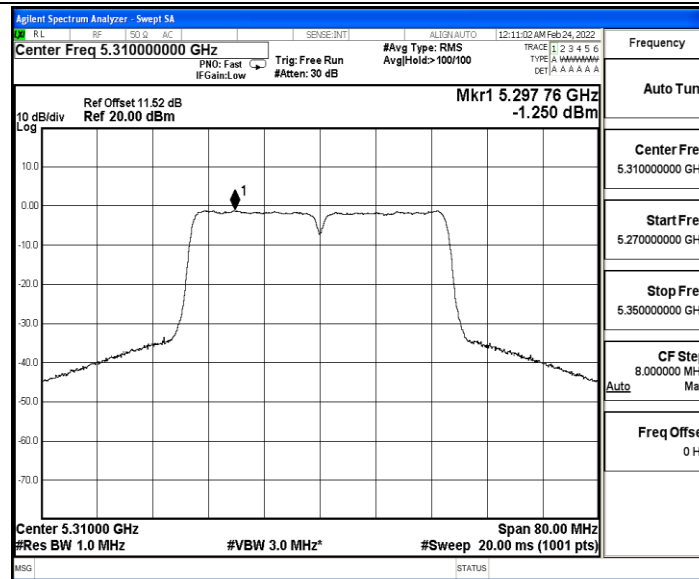
11N20SISO_Ant_5320



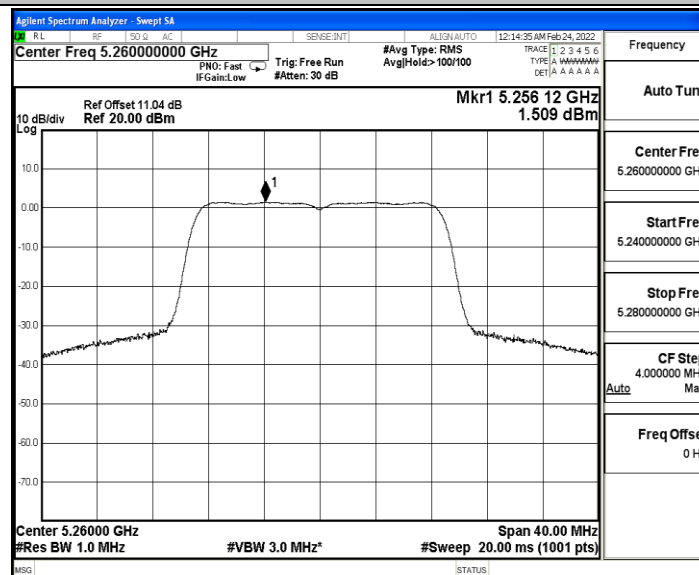
11N40SISO_Ant_5270



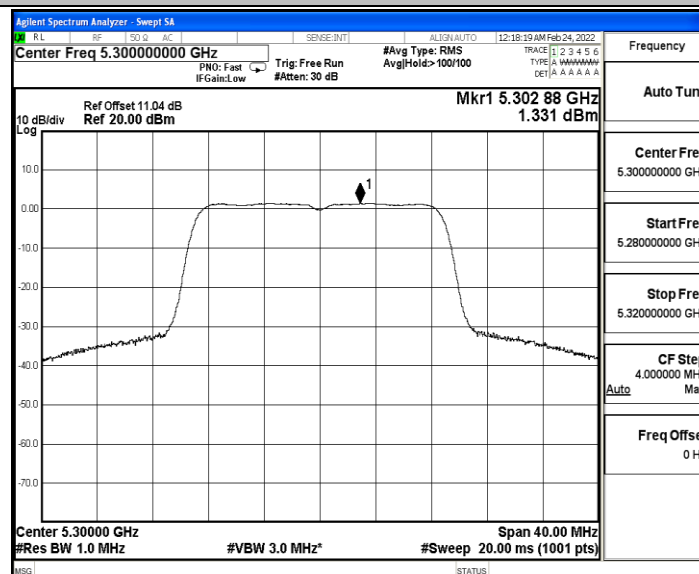
11N40SISO_Ant_5310



11AC20SISO_Ant_5260

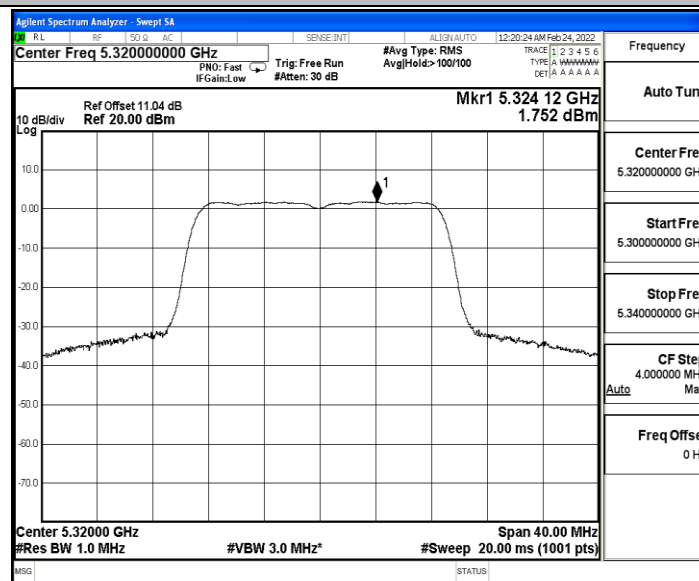


11AC20SISO_Ant_5300

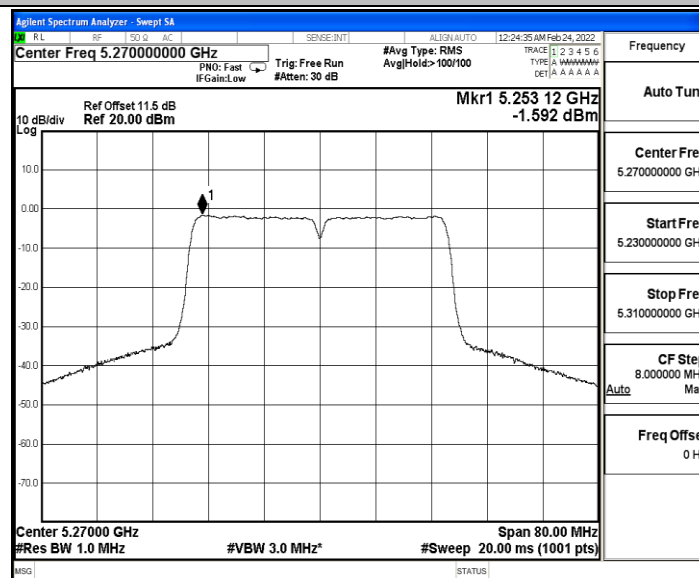




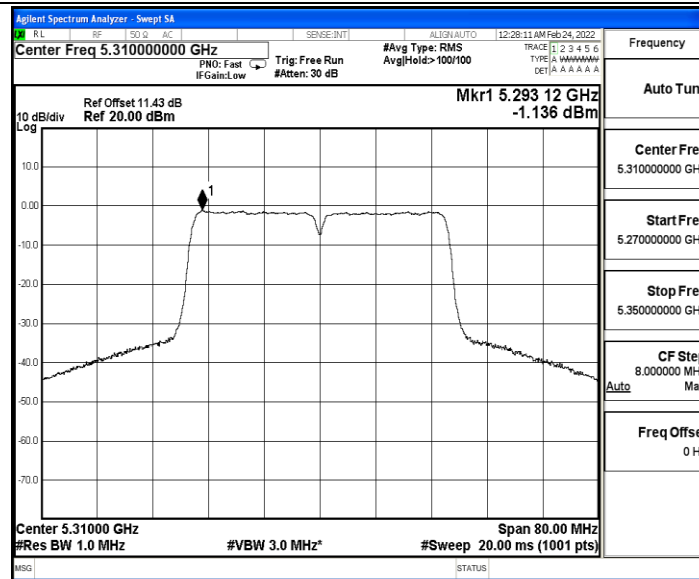
11AC20SISO_Ant_5320



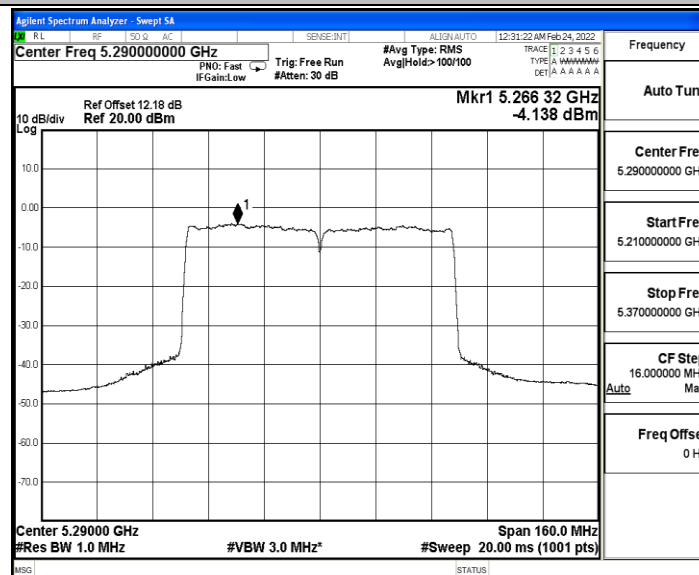
11AC40SISO_Ant_5270



11AC40SISO_Ant_5310



11AC80SISO_Ant_5290





E.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant	Low	5260	AV	4500.000	-57.26	≤-41.20	37.94	≤54	PASS
				AV	4787.560	-52.79	≤-41.20	42.41	≤54	PASS
				AV	5150.000	-54.42	≤-41.20	40.78	≤54	PASS
				Peak	4500.000	-48.62	≤-21.20	46.58	≤68.2	PASS
				Peak	4773.340	-44.1	≤-21.20	51.10	≤68.2	PASS
				Peak	5150.000	-45.4	≤-21.20	49.80	≤68.2	PASS
		High	5320	AV	5350.000	-45.98	≤-41.20	49.22	≤54	PASS
				AV	5350.240	-45.93	≤-41.20	49.27	≤54	PASS
				AV	5460.000	-56.08	≤-41.20	39.12	≤54	PASS
				Peak	5350.000	-33.34	≤-21.20	61.86	≤68.2	PASS
				Peak	5351.360	-27.81	≤-21.20	67.39	≤68.2	PASS
				Peak	5460.000	-47.55	≤-21.20	47.65	≤68.2	PASS
11N20SIS O	Ant	Low	5260	AV	4500.000	-57.13	≤-41.20	38.07	≤54	PASS
				AV	4787.560	-52.31	≤-41.20	42.89	≤54	PASS
				AV	5150.000	-54.28	≤-41.20	40.92	≤54	PASS
				Peak	4500.000	-48.03	≤-21.20	47.17	≤68.2	PASS
				Peak	4773.340	-44.18	≤-21.20	51.02	≤68.2	PASS
				Peak	5150.000	-44.64	≤-21.20	50.56	≤68.2	PASS
		High	5320	AV	5350.000	-43.8	≤-41.20	51.40	≤54	PASS
				AV	5350.240	-43.74	≤-41.20	51.46	≤54	PASS
				AV	5460.000	-55.89	≤-41.20	39.31	≤54	PASS
				Peak	5350.000	-28.49	≤-21.20	66.71	≤68.2	PASS
				Peak	5352.960	-28.48	≤-21.20	66.72	≤68.2	PASS
				Peak	5460.000	-46.57	≤-21.20	48.63	≤68.2	PASS
11N40SIS O	Ant	Low	5270	AV	4500.000	-57.03	≤-41.20	38.17	≤54	PASS
				AV	4807.310	-49.08	≤-41.20	46.12	≤54	PASS
				AV	5150.000	-54.14	≤-41.20	41.06	≤54	PASS
				Peak	4500.000	-46.95	≤-21.20	48.25	≤68.2	PASS
				Peak	4806.520	-41.06	≤-21.20	54.14	≤68.2	PASS
				Peak	5150.000	-46.83	≤-21.20	48.37	≤68.2	PASS
		High	5310	AV	5350.000	-42.77	≤-41.20	52.43	≤54	PASS
				AV	5350.240	-42.21	≤-41.20	52.99	≤54	PASS
				AV	5460.000	-55.75	≤-41.20	39.45	≤54	PASS
				Peak	5350.000	-28.94	≤-21.20	66.26	≤68.2	PASS
				Peak	5350.400	-26.26	≤-21.20	68.94	≤68.2	PASS
				Peak	5460.000	-48.21	≤-21.20	46.99	≤68.2	PASS



11AC20SI SO	Ant	Low	5260	AV	4500.000	-57.13	≤-41.20	38.07	≤54	PASS
				AV	4787.560	-52.28	≤-41.20	42.92	≤54	PASS
				AV	5150.000	-54.21	≤-41.20	40.99	≤54	PASS
				Peak	4500.000	-48.83	≤-21.20	46.37	≤68.2	PASS
				Peak	4788.350	-43.77	≤-21.20	51.43	≤68.2	PASS
				Peak	5150.000	-45.13	≤-21.20	50.07	≤68.2	PASS
		High	5320	AV	5350.000	-43.31	≤-41.20	51.89	≤54	PASS
				AV	5350.080	-43.31	≤-41.20	51.89	≤54	PASS
				AV	5460.000	-56.09	≤-41.20	39.11	≤54	PASS
				Peak	5350.000	-27.89	≤-21.20	67.31	≤68.2	PASS
				Peak	5350.560	-25.39	≤-21.20	69.81	≤68.2	PASS
				Peak	5460.000	-48.09	≤-21.20	47.11	≤68.2	PASS
11AC40SI SO	Ant	Low	5270	AV	4500.000	-56.89	≤-41.20	38.31	≤54	PASS
				AV	4807.310	-48.96	≤-41.20	46.24	≤54	PASS
				AV	5150.000	-54.28	≤-41.20	40.92	≤54	PASS
				Peak	4500.000	-48.48	≤-21.20	46.72	≤68.2	PASS
				Peak	4807.310	-41.34	≤-21.20	53.86	≤68.2	PASS
				Peak	5150.000	-45.77	≤-21.20	49.43	≤68.2	PASS
		High	5310	AV	5350.000	-42.35	≤-41.20	52.85	≤54	PASS
				AV	5350.080	-42.35	≤-41.20	52.85	≤54	PASS
				AV	5460.000	-55.88	≤-41.20	39.32	≤54	PASS
				Peak	5350.000	-28.19	≤-21.20	67.01	≤68.2	PASS
				Peak	5351.040	-27.27	≤-21.20	67.93	≤68.2	PASS
				Peak	5460.000	-46.89	≤-21.20	48.31	≤68.2	PASS
11AC80SI SO	Ant	Low	5290	AV	4500.000	-56.62	≤-41.20	38.58	≤54	PASS
				AV	5149.500	-52.32	≤-41.20	42.88	≤54	PASS
				AV	5150.000	-52.38	≤-41.20	42.82	≤54	PASS
				Peak	4500.000	-48.46	≤-21.20	46.74	≤68.2	PASS
				Peak	5137.500	-42.51	≤-21.20	52.69	≤68.2	PASS
				Peak	5150.000	-44.23	≤-21.20	50.97	≤68.2	PASS
		High	5290	AV	5350.000	-42.19	≤-41.20	53.01	≤54	PASS
				AV	5351.000	-42.31	≤-41.20	52.89	≤54	PASS
				AV	5460.000	-55.1	≤-41.20	40.10	≤54	PASS
				Peak	5350.000	-31.56	≤-21.20	63.64	≤68.2	PASS
				Peak	5350.200	-31.21	≤-21.20	63.99	≤68.2	PASS
				Peak	5460.000	-48.12	≤-21.20	47.08	≤68.2	PASS

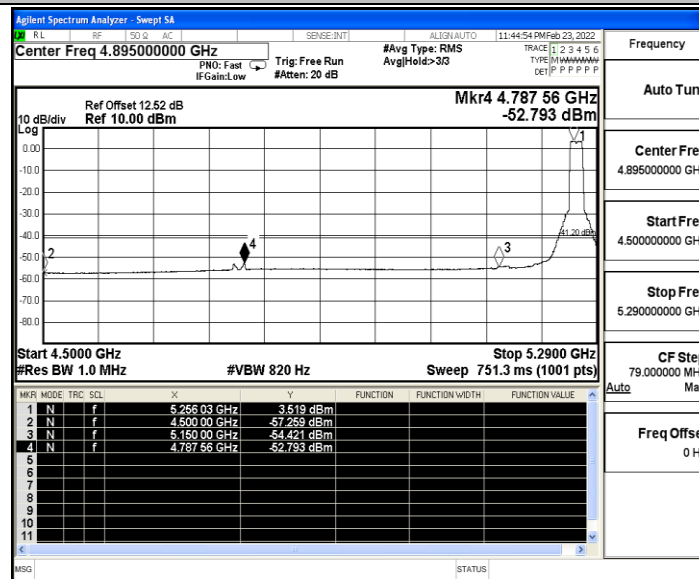
Note:

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.

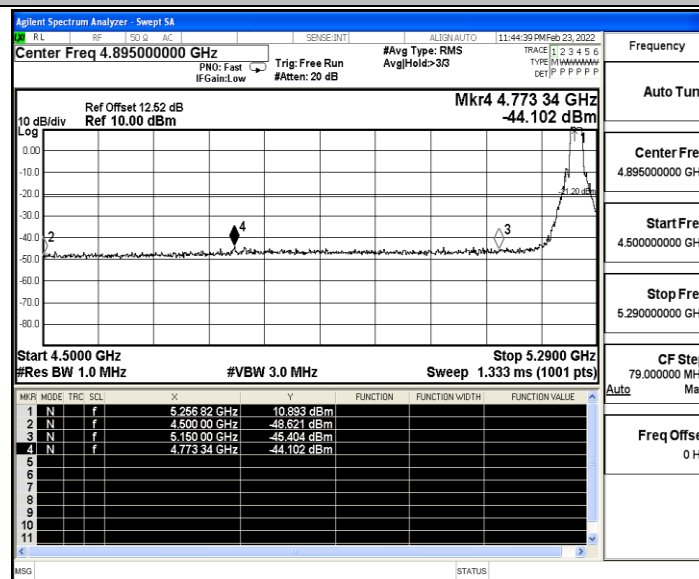


Test Graphs

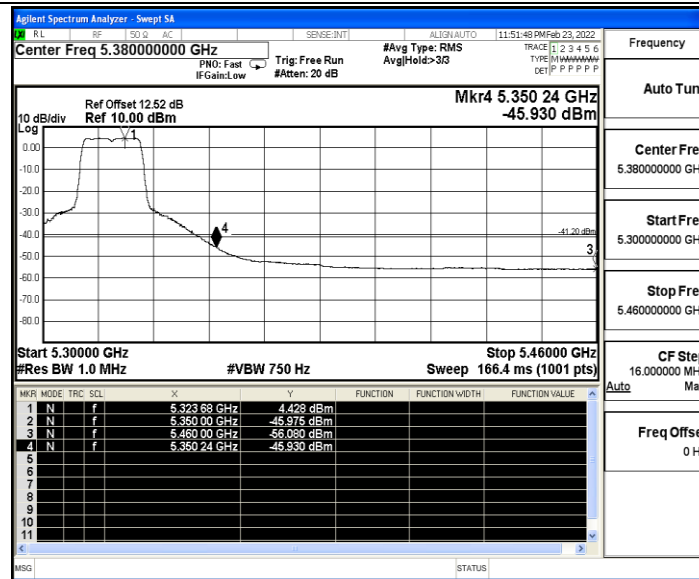
11A_Ant_Low_5260_AV



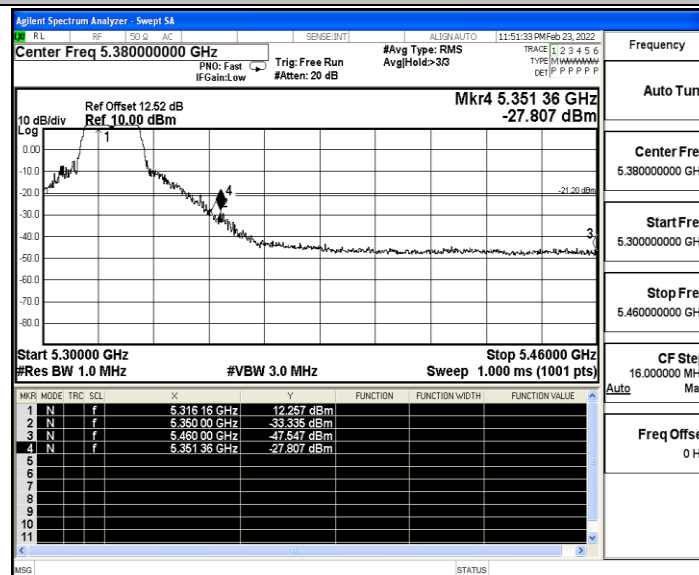
11A_Ant_Low_5260_Peak



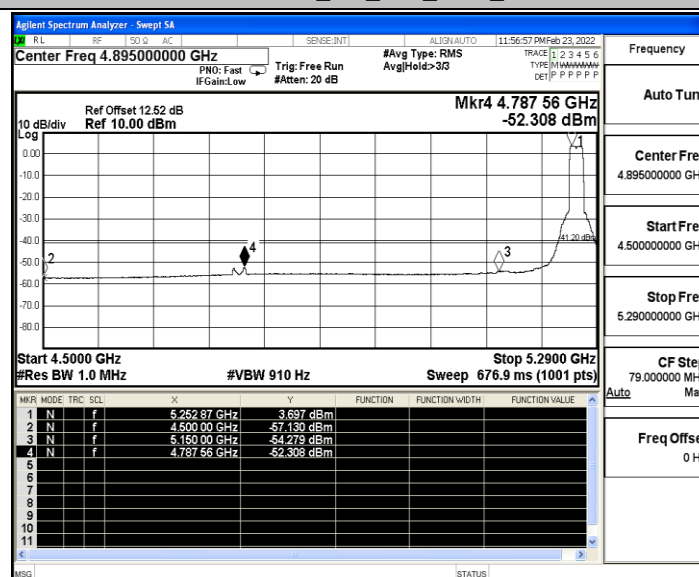
11A_Ant_High_5320_AV



11A_Ant_High_5320_Peak

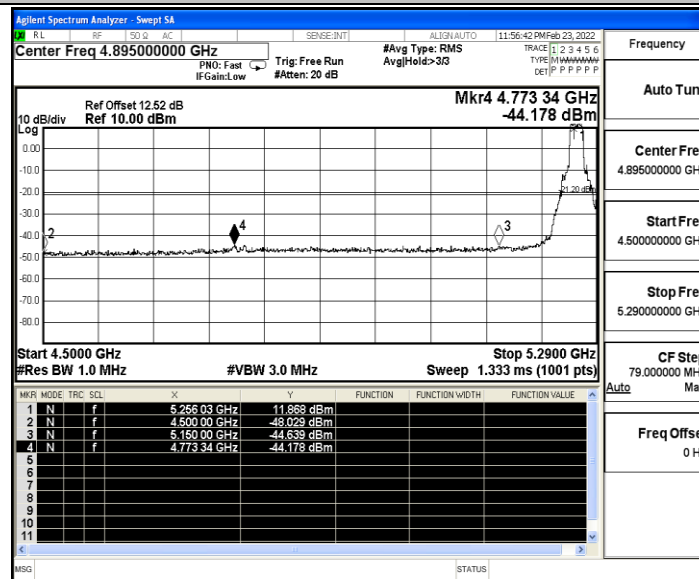


11N20SISO_Ant_Low_5260_AV

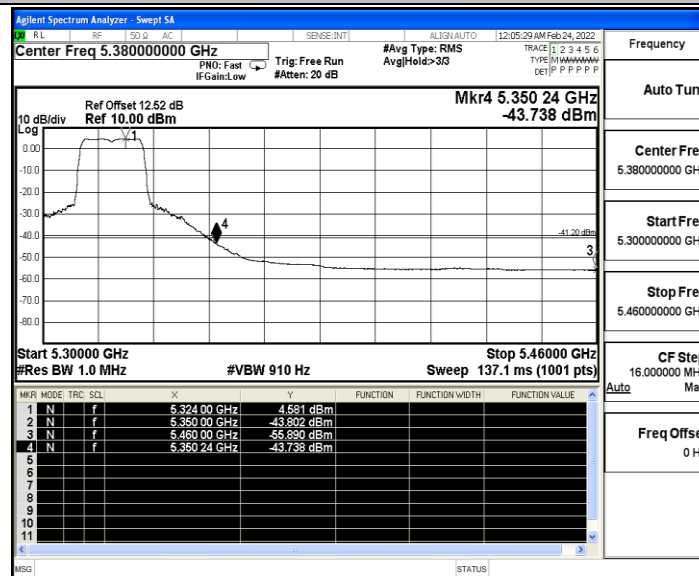




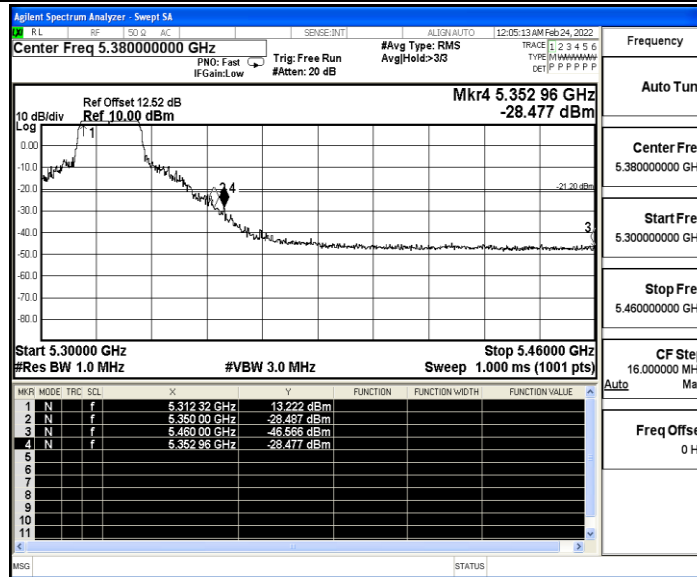
11N20SISO_Ant_Low_5260_Peak



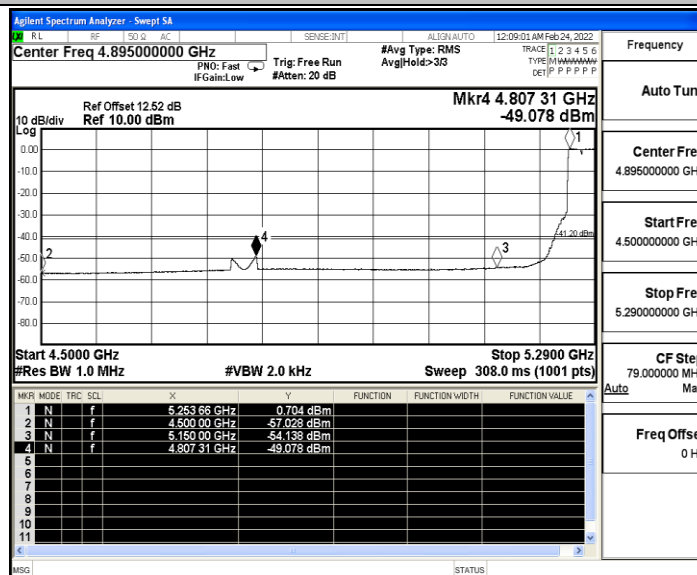
11N20SISO_Ant_High_5320_AV



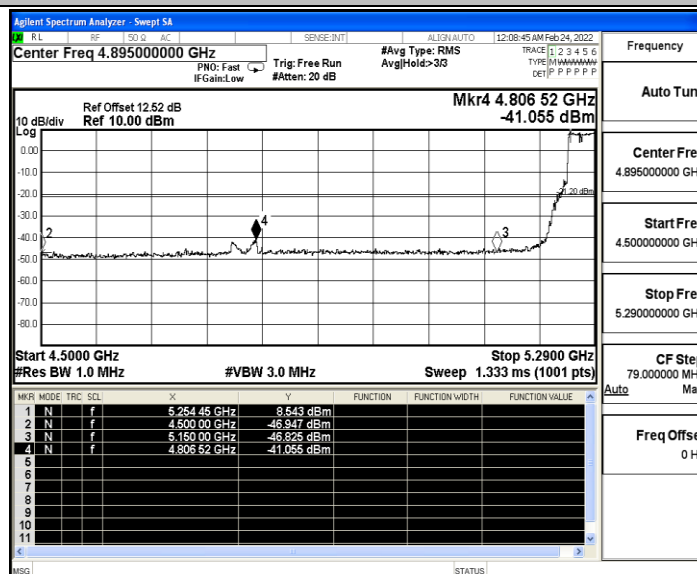
11N20SISO_Ant_High_5320_Peak



11N40SISO_Ant_Low_5270_AV

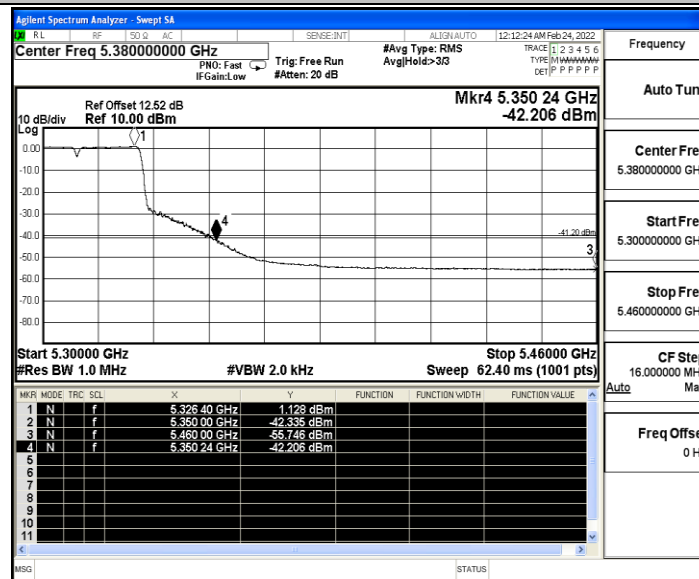


11N40SISO_Ant_Low_5270_Peak

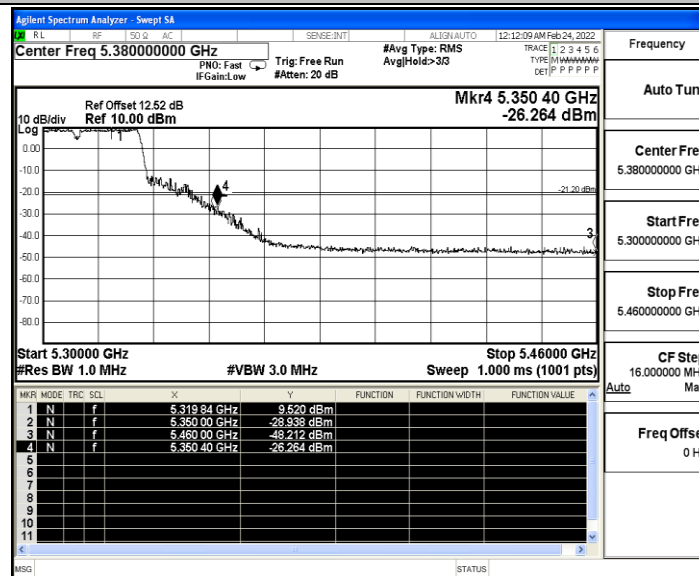




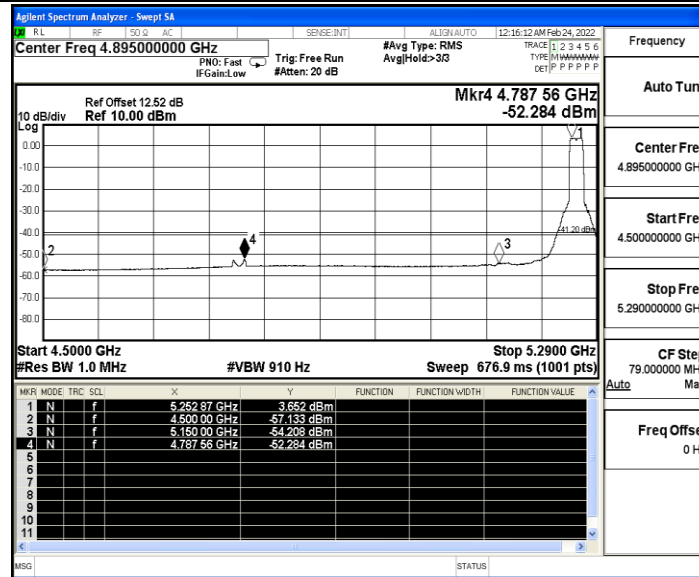
11N40SISO_Ant_High_5310_AV



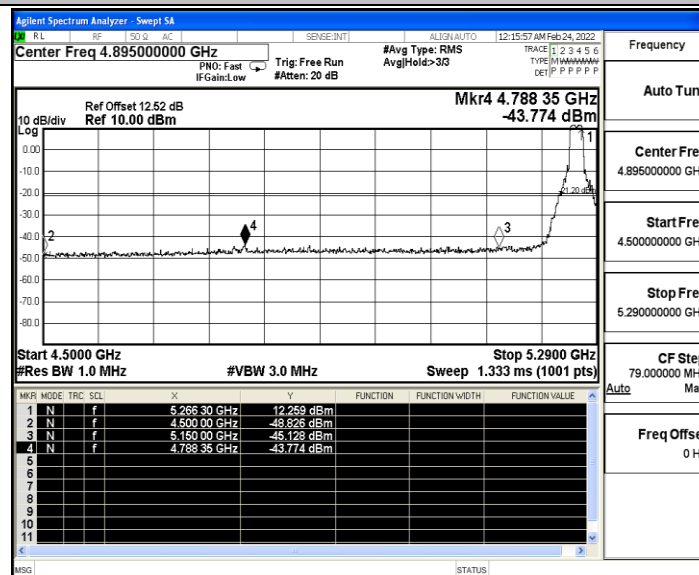
11N40SISO_Ant_High_5310_Peak



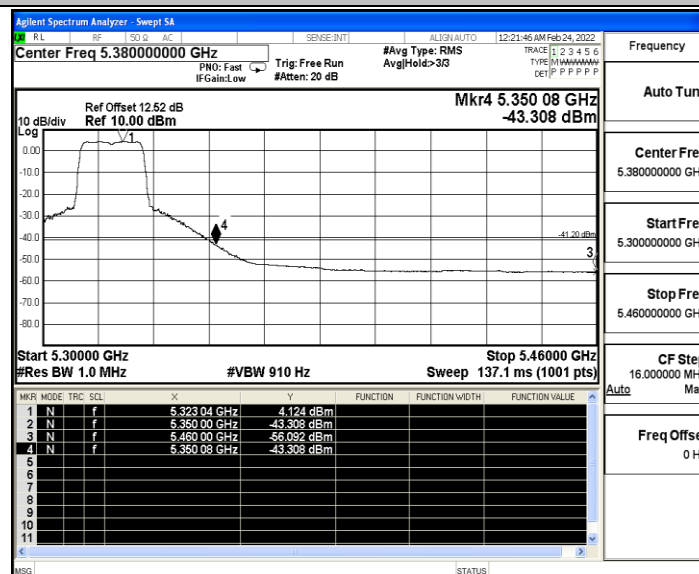
11AC20SISO_Ant_Low_5260_AV



11AC20SISO_Ant_Low_5260_Peak

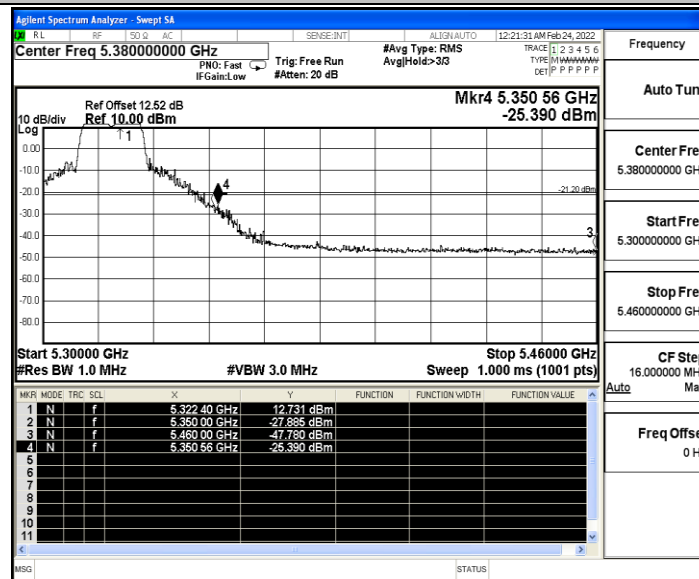


11AC20SISO_Ant_High_5320_AV

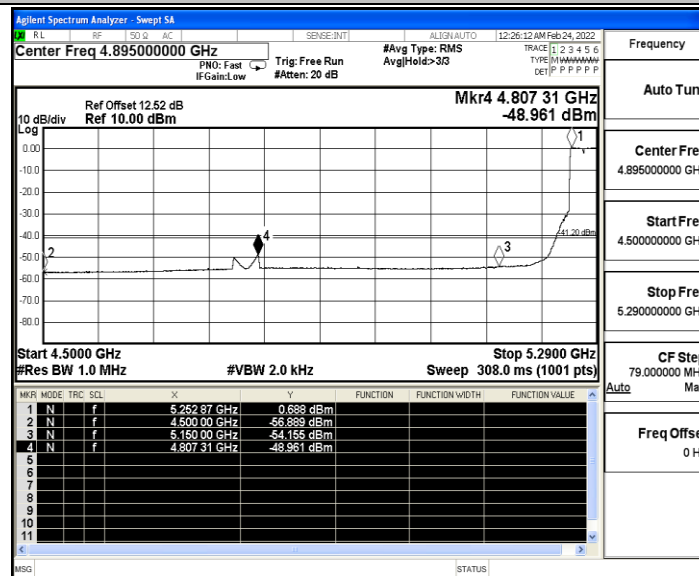




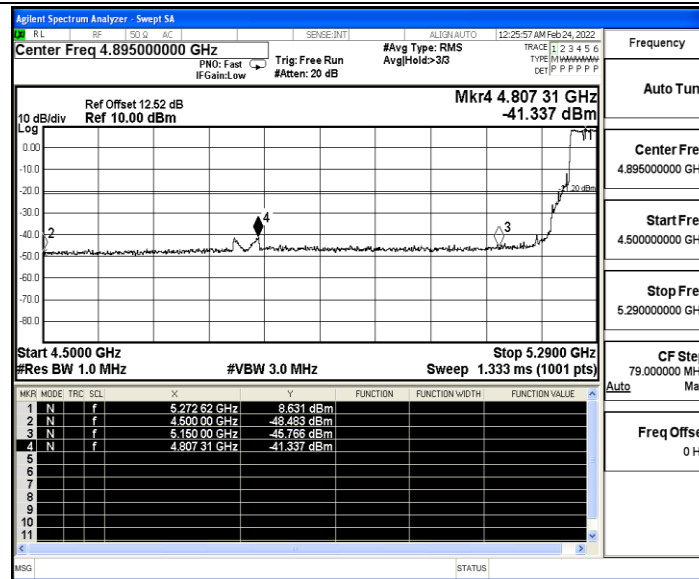
11AC20SISO_Ant_High_5320_Peak



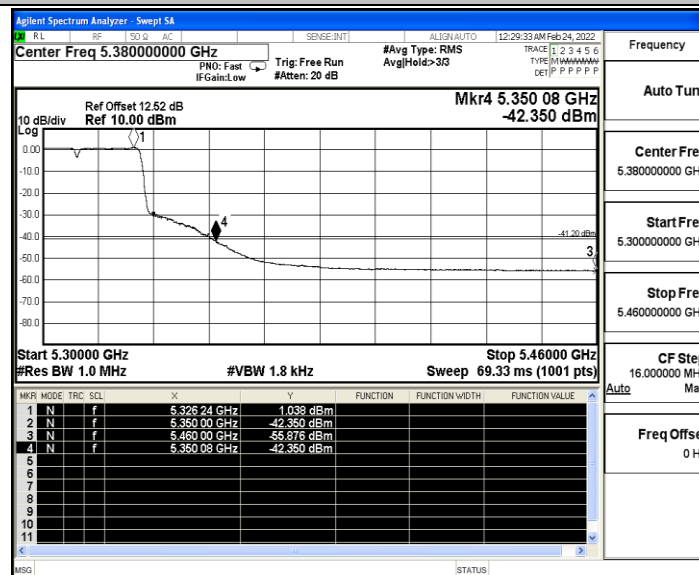
11AC40SISO_Ant_Low_5270_AV



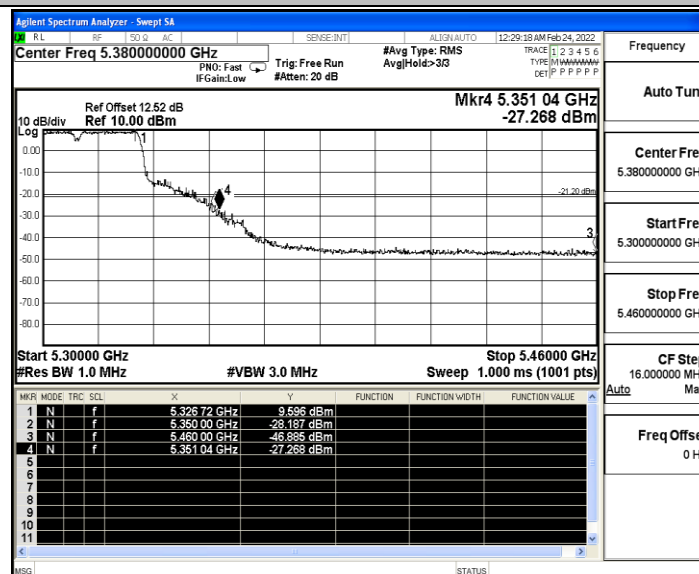
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11AC40SISO_Ant_High_5310_AV

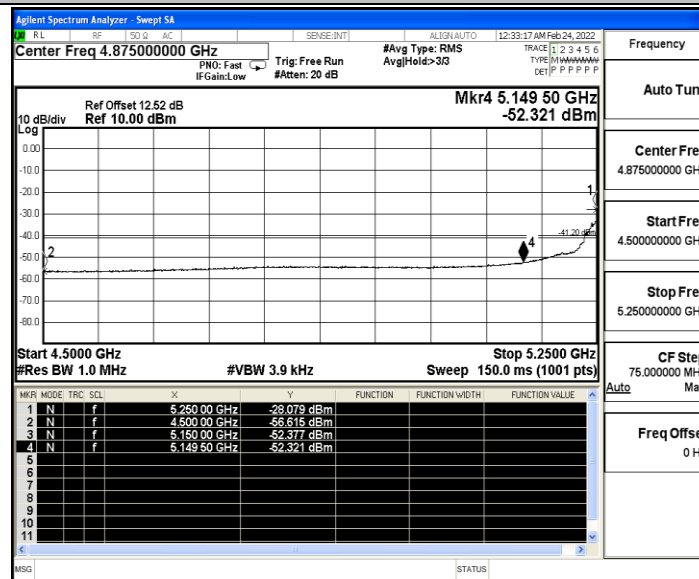


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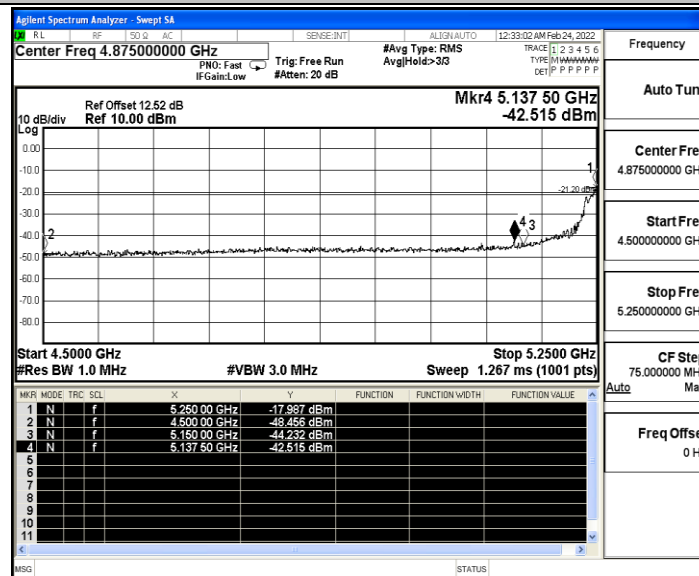




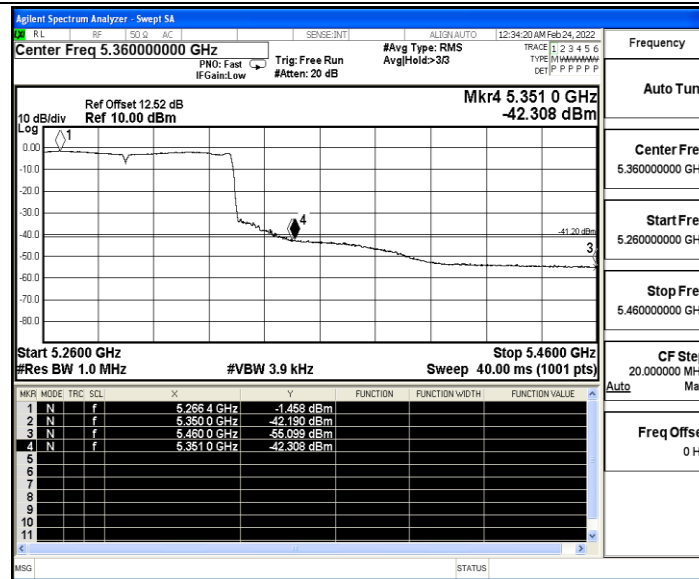
11AC80SISO_Ant_Low_5290_AV



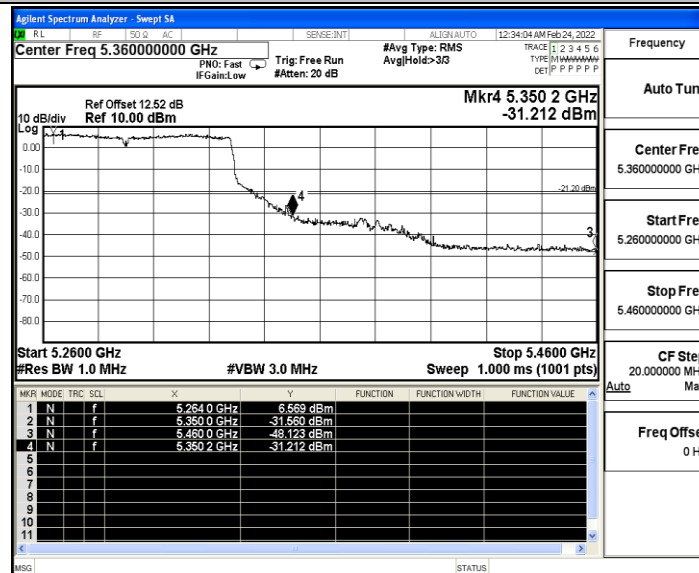
11AC80SISO_Ant_Low_5290_Peak



11AC80SISO_Ant_High_5290_AV



11AC80SISO_Ant_High_5290_Peak





E.5 Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant	5260	1.54	1.54	100	---	---
		5300	1.54	1.54	100	---	---
		5320	1.54	1.54	100	---	---
11N20SISO	Ant	5260	1.33	1.33	100	---	---
		5300	1.32	1.32	100	---	---
		5320	1.33	1.33	100	---	---
11N40SISO	Ant	5270	0.73	0.73	100	---	---
		5310	0.73	0.73	100	---	---
11AC20SISO	Ant	5260	1.33	1.33	100	---	---
		5300	1.33	1.33	100	---	---
		5320	1.33	1.33	100	---	---
11AC40SISO	Ant	5270	0.74	0.74	100	---	---
		5310	0.74	0.74	100	---	---
11AC80SISO	Ant	5290	0.44	0.44	100	---	---