



Appendix E

RF Test Data for 5.3G WIFI (Conducted Measurement)

Product Name: 8inch tablet PC

Test Model: SoyMomo_Pro_V1

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 26dB Bandwidth

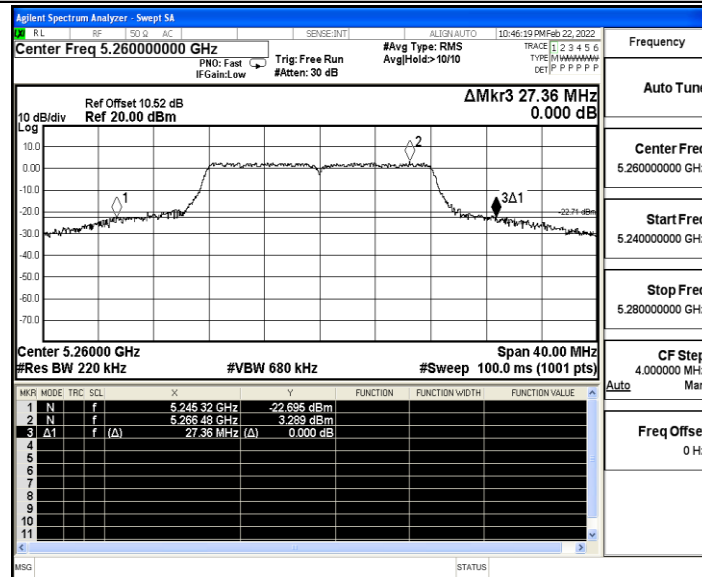
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant	5260	27.360	5245.320	5272.680	---	---
		5300	30.840	5285.160	5316.000	---	---
		5320	29.160	5304.920	5334.080	---	---
11N20SISO	Ant	5260	31.520	5243.920	5275.440	---	---
		5300	31.520	5284.040	5315.560	---	---
		5320	29.120	5305.920	5335.040	---	---
11N40SISO	Ant	5270	50.480	5244.640	5295.120	---	---
		5310	52.560	5284.320	5336.880	---	---
11AC20SISO	Ant	5260	34.400	5242.520	5276.920	---	---
		5300	32.840	5283.800	5316.640	---	---
		5320	30.200	5305.400	5335.600	---	---
11AC40SISO	Ant	5270	51.120	5244.880	5296.000	---	---
		5310	50.560	5285.280	5335.840	---	---
11AC80SISO	Ant	5290	87.040	5245.520	5332.560	---	---

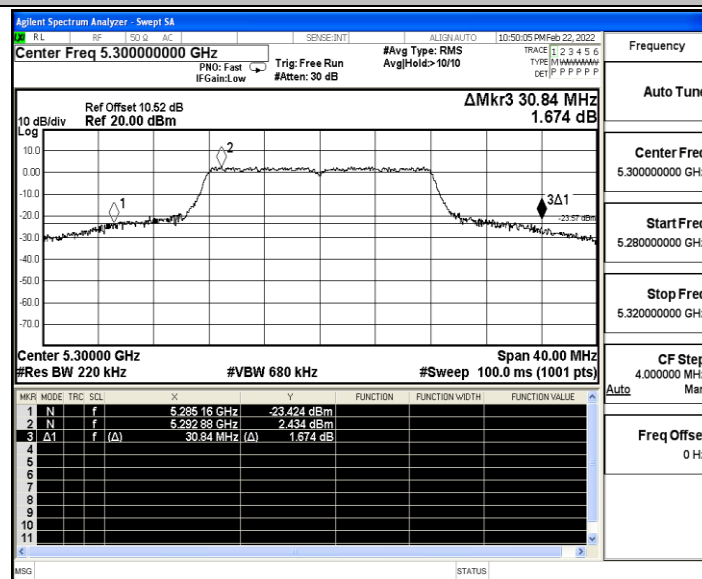


Test Graphs

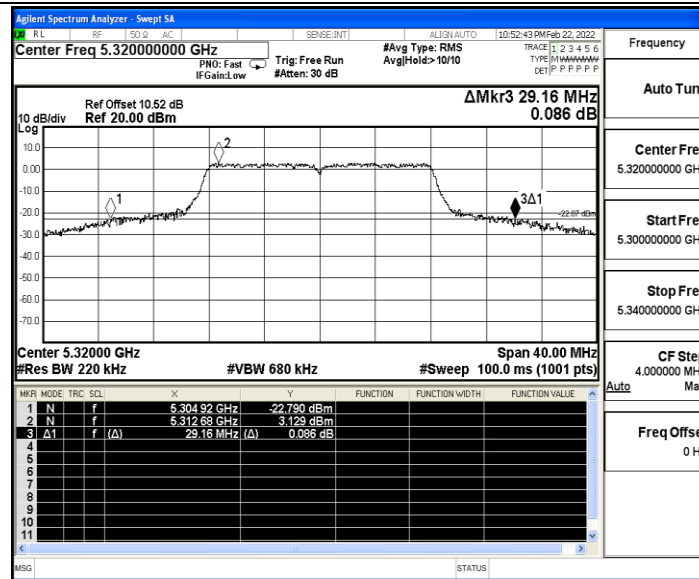
11A_Ant_5260



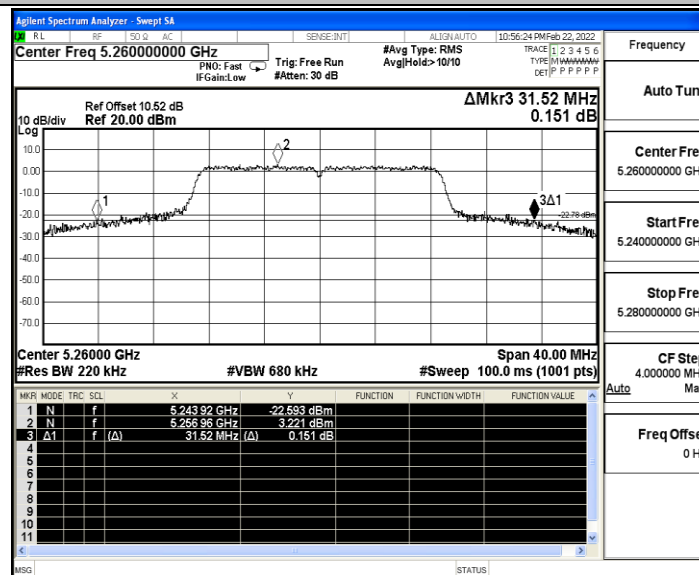
11A_Ant_5300



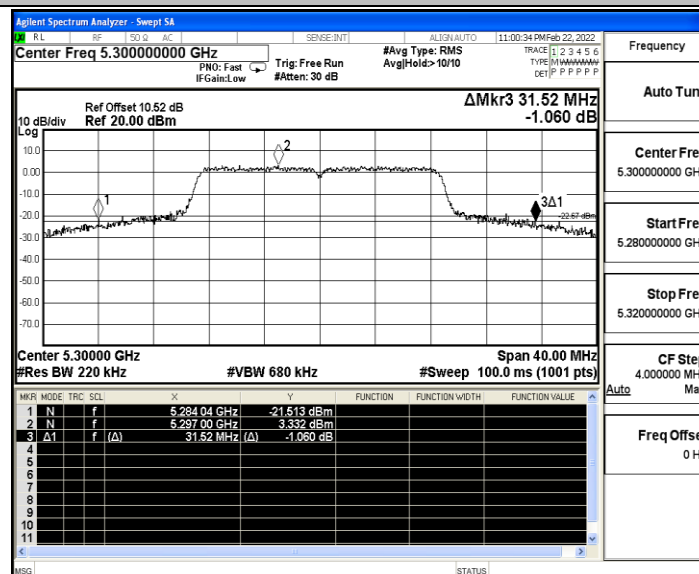
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11N20SISO_Ant_5260

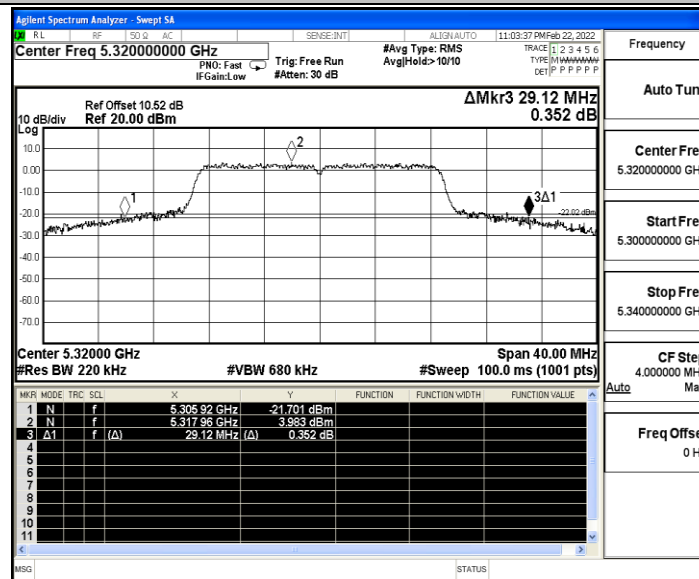


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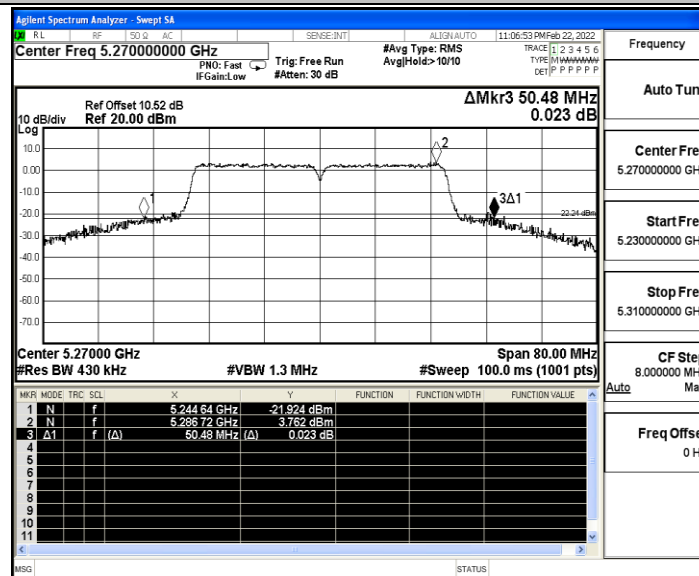




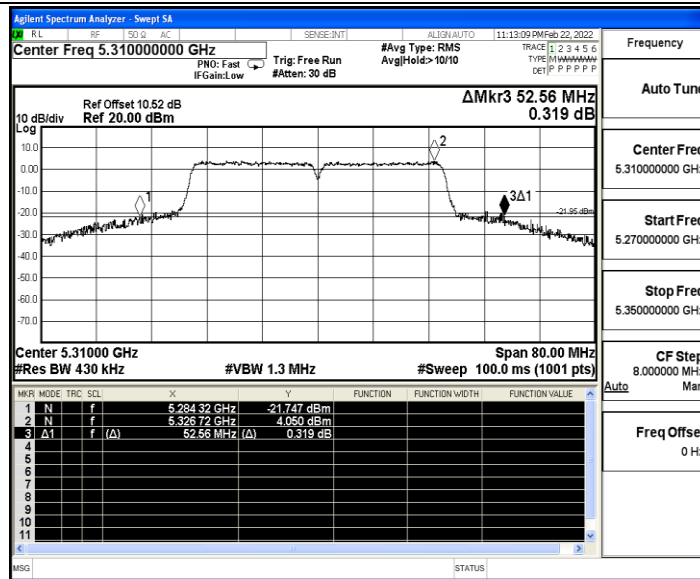
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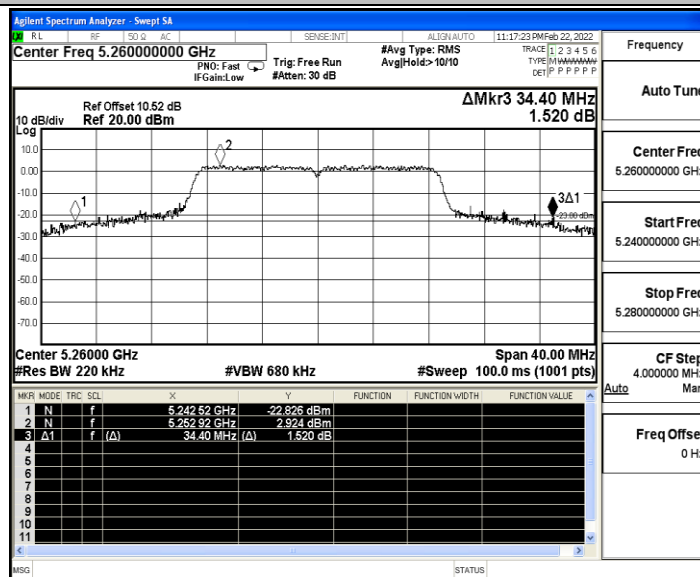
11N40SISO_Ant_5270



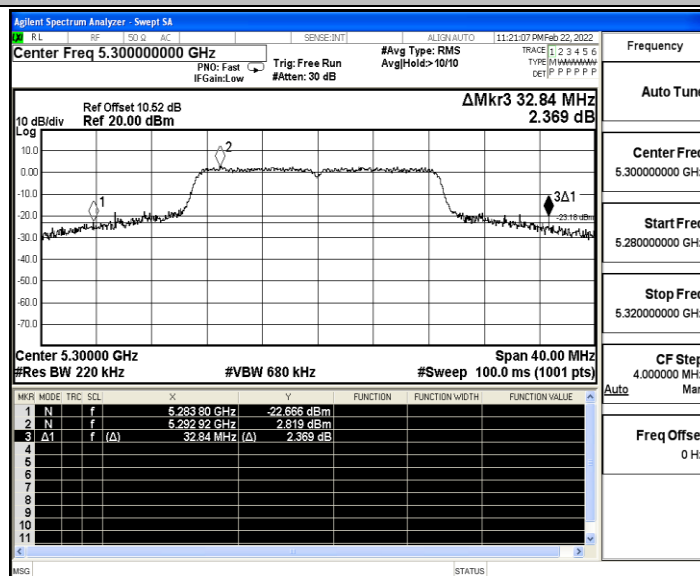
11N40SISO_Ant_5310



11AC20SISO_Ant_5260

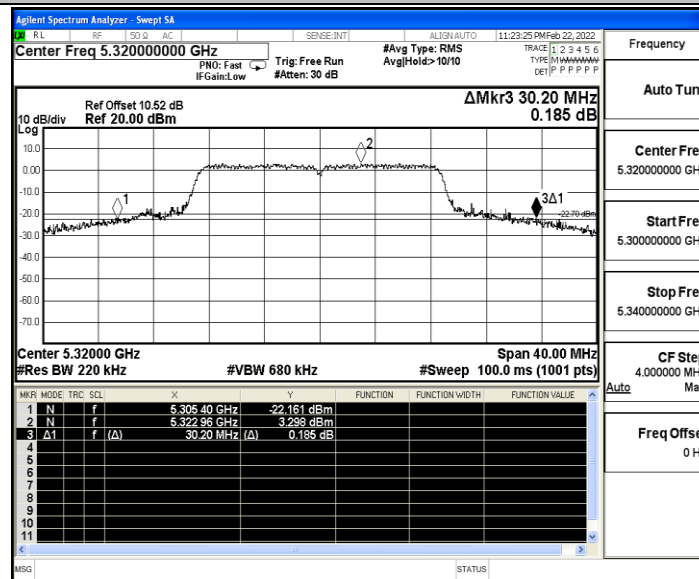


11AC20SISO_Ant_5300

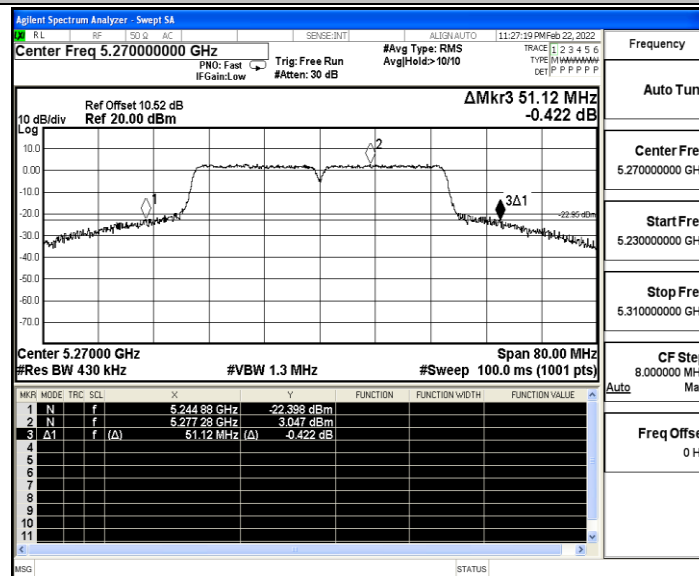




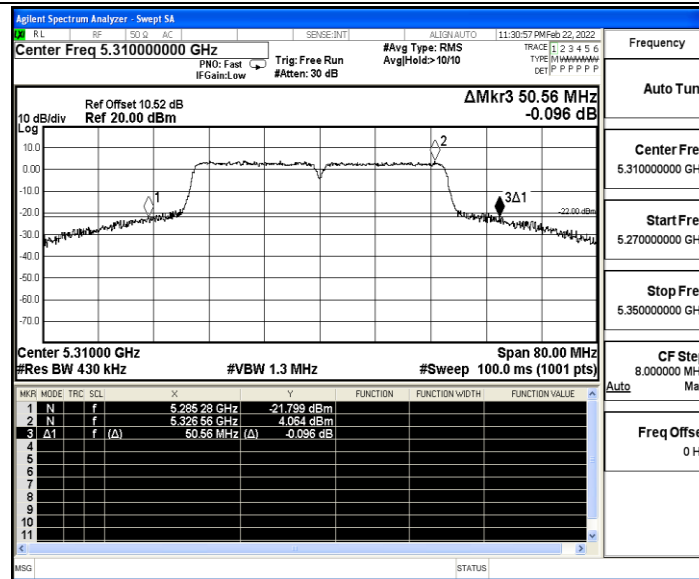
11AC20SISO_Ant_5320



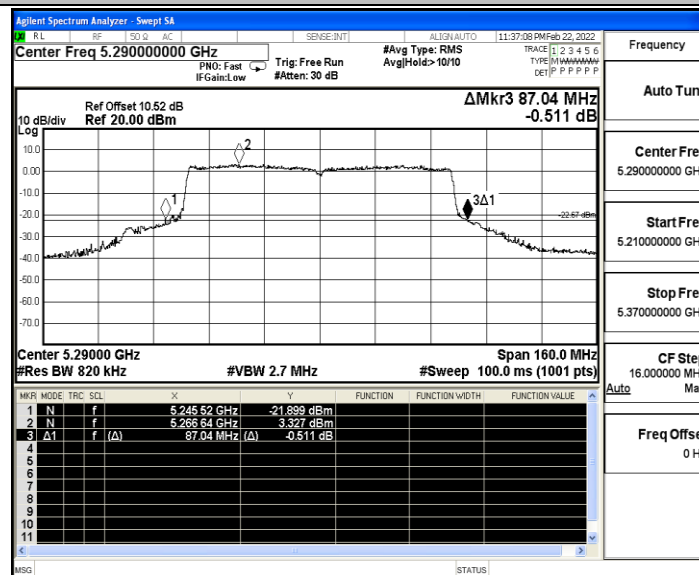
11AC40SISO_Ant_5270



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	12.87	≤ 23.98	PASS
		5300	12.74	≤ 23.98	PASS
		5320	13.54	≤ 23.98	PASS
11N20SISO	Ant	5260	13.08	≤ 23.98	PASS
		5300	13.10	≤ 23.98	PASS
		5320	13.45	≤ 23.98	PASS
11N40SISO	Ant	5270	12.85	≤ 23.98	PASS
		5310	13.30	≤ 23.98	PASS
11AC20SISO	Ant	5260	13.12	≤ 23.98	PASS
		5300	12.51	≤ 23.98	PASS
		5320	13.38	≤ 23.98	PASS
11AC40SISO	Ant	5270	12.39	≤ 23.98	PASS
		5310	13.16	≤ 23.98	PASS
11AC80SISO	Ant	5290	12.42	≤ 23.98	PASS

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



E.3 Maximum power spectral density

Test Result

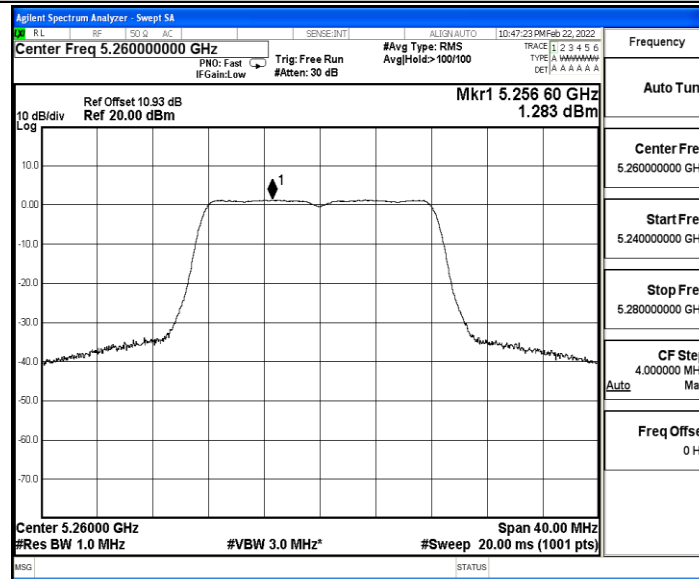
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant	5260	1.31	≤11.00	PASS
		5300	1.18	≤11.00	PASS
		5320	2.07	≤11.00	PASS
11N20SISO	Ant	5260	1.29	≤11.00	PASS
		5300	1.36	≤11.00	PASS
		5320	1.65	≤11.00	PASS
11N40SISO	Ant	5270	-1.61	≤11.00	PASS
		5310	-1.29	≤11.00	PASS
11AC20SISO	Ant	5260	1.35	≤11.00	PASS
		5300	0.66	≤11.00	PASS
		5320	1.69	≤11.00	PASS
11AC40SISO	Ant	5270	-2.35	≤11.00	PASS
		5310	-1.37	≤11.00	PASS
11AC80SISO	Ant	5290	-4.69	≤11.00	PASS

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

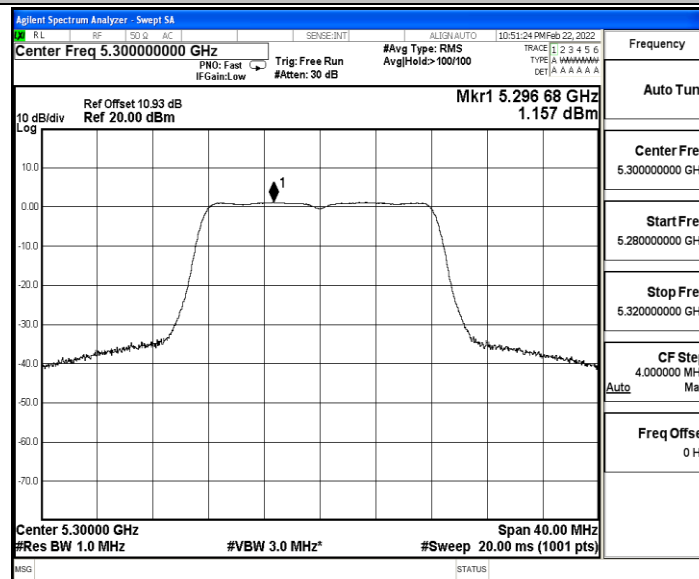


Test Graphs

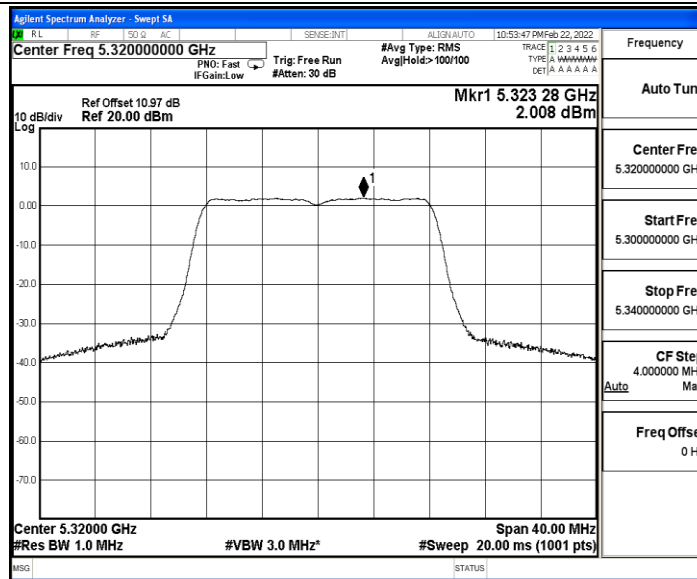
11A_Ant_5260



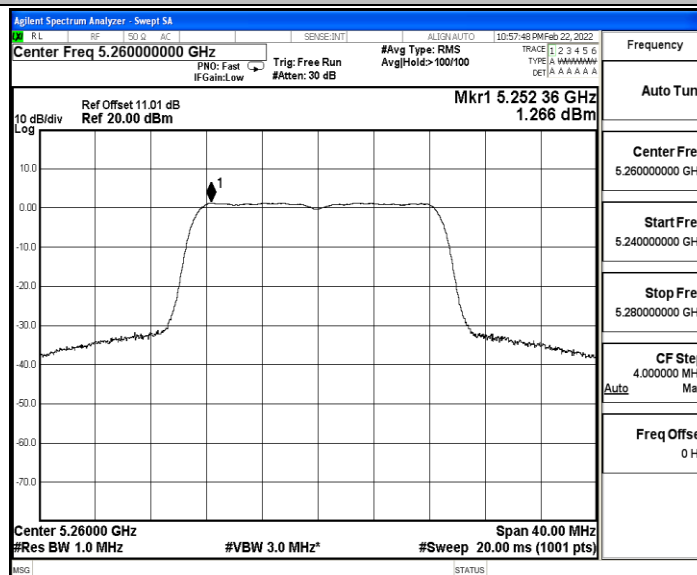
11A_Ant_5300



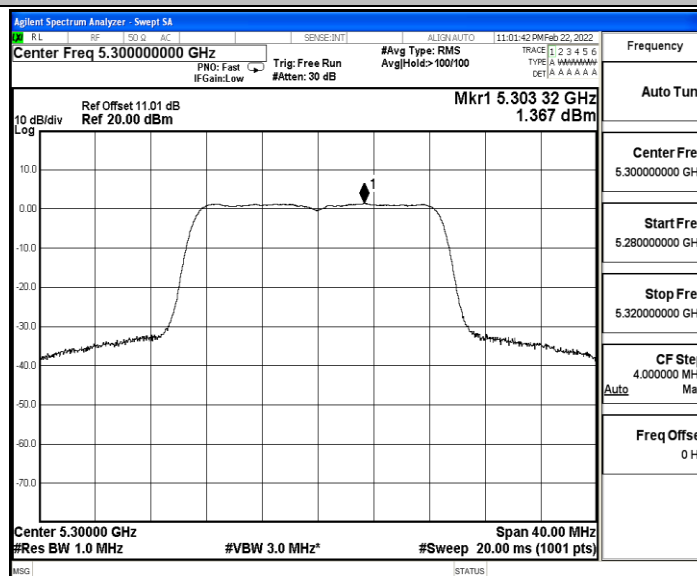
11A_Ant_5320



11N20SISO_Ant_5260

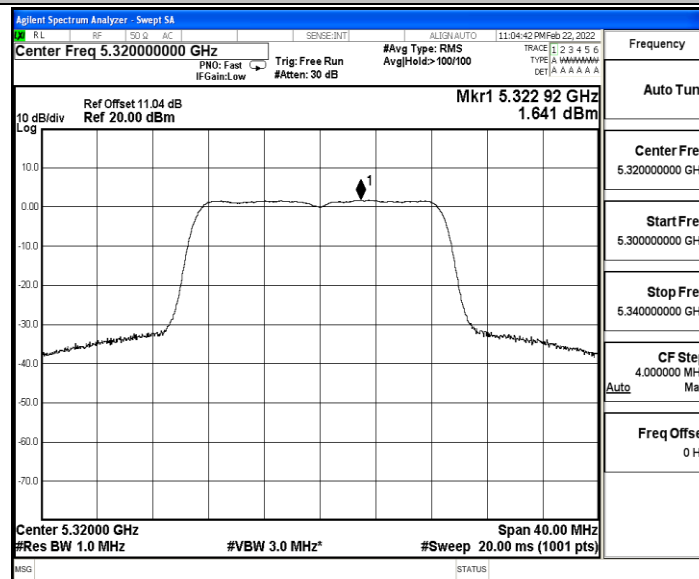


11N20SISO_Ant_5300

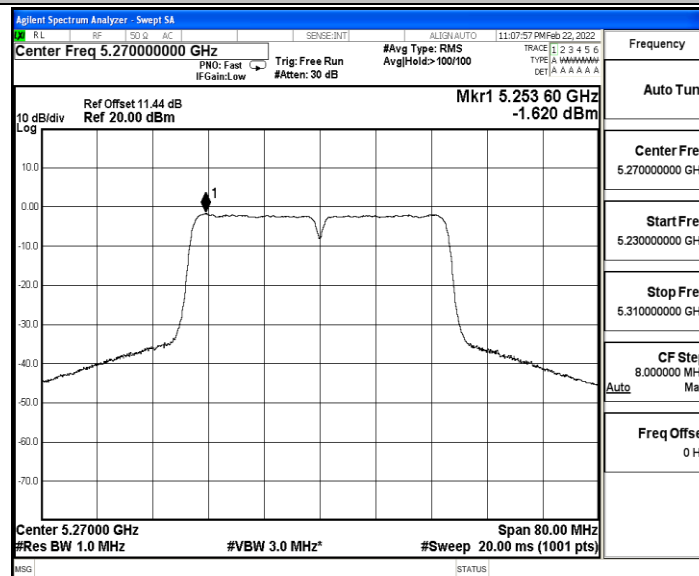




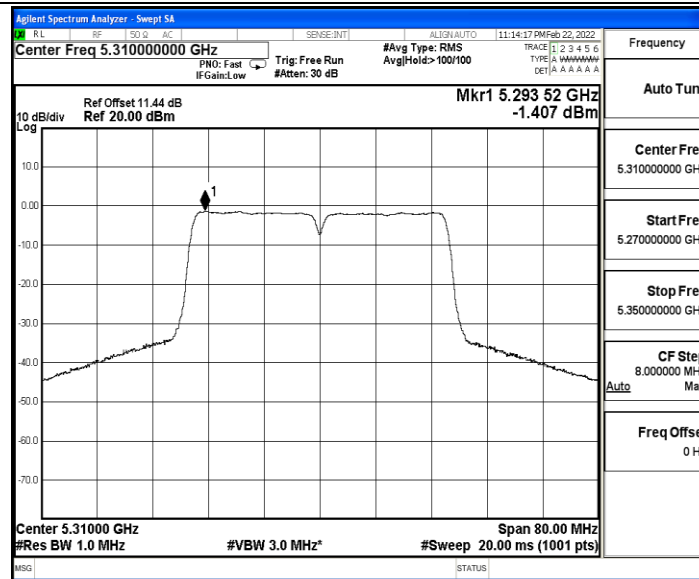
11N20SISO_Ant_5320



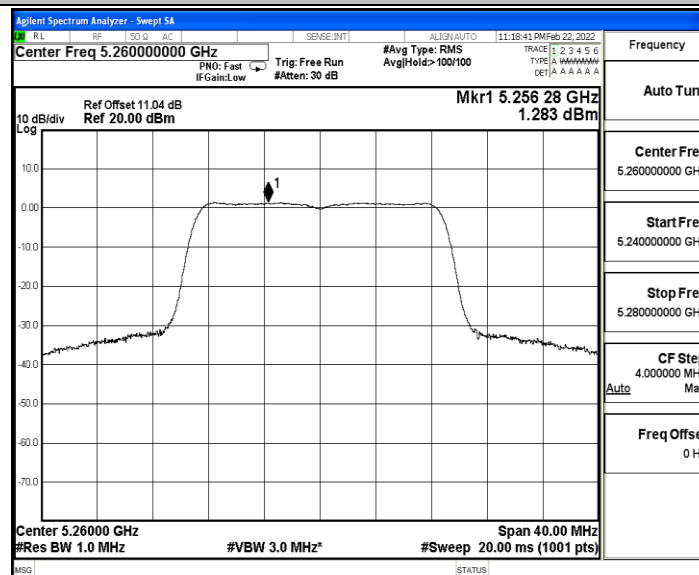
11N40SISO_Ant_5270



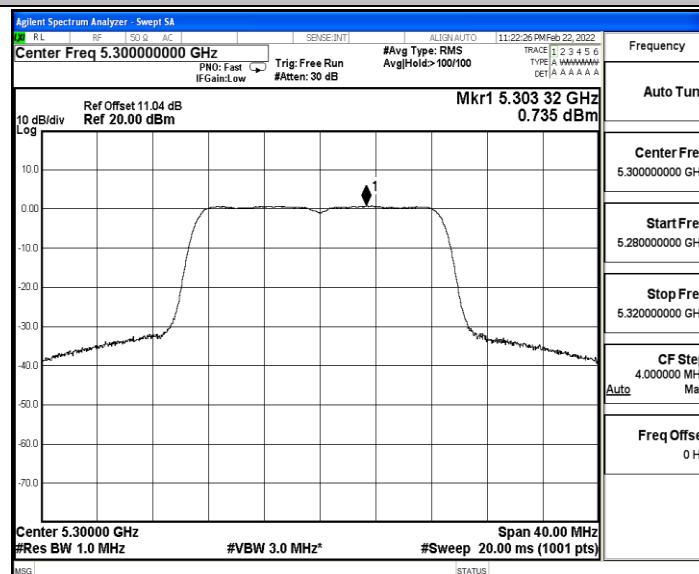
11N40SISO_Ant_5310



11AC20SISO_Ant_5260

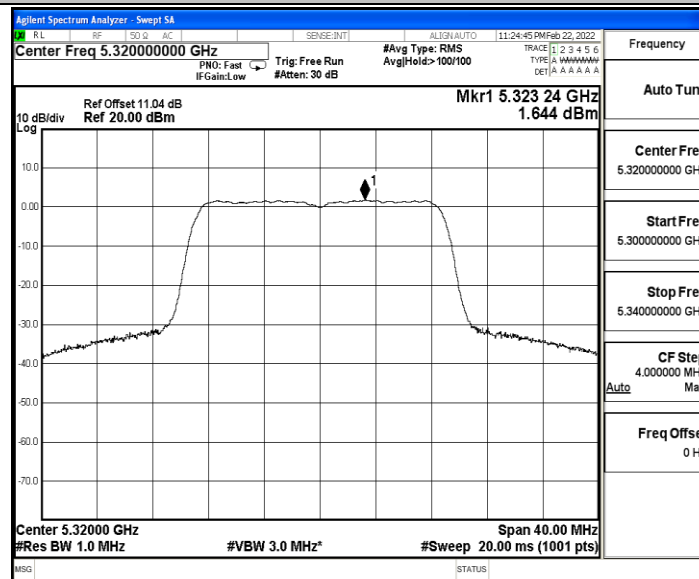


11AC20SISO_Ant_5300

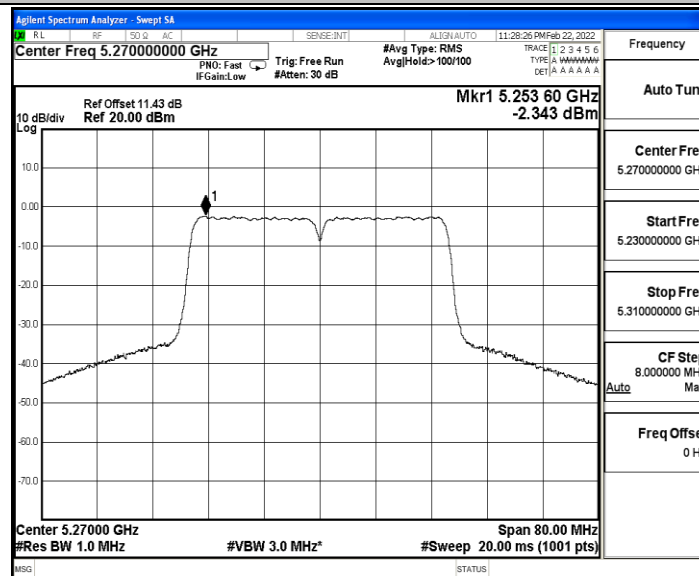




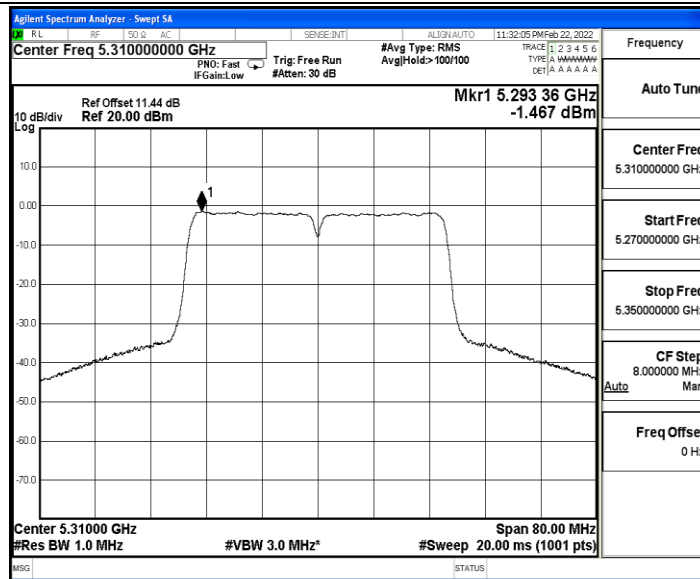
11AC20SISO_Ant_5320



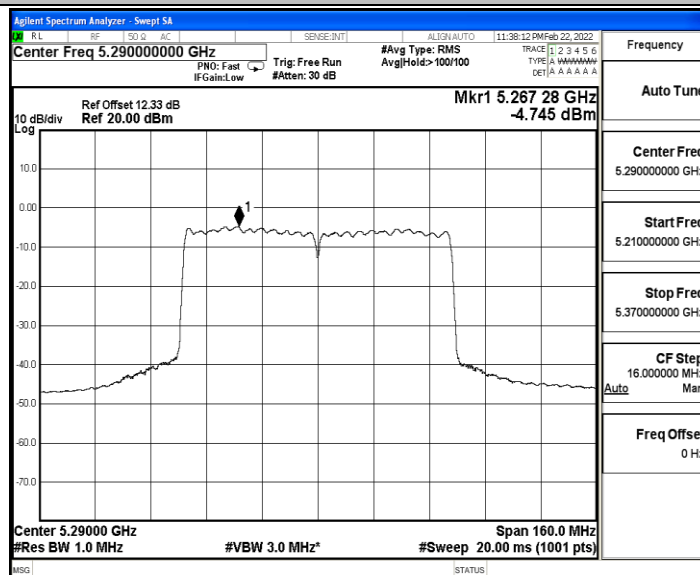
11AC40SISO_Ant_5270



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	-57.4	≤-41.20	37.80	≤54	PASS
				AV	4787.560	-52.86	≤-41.20	42.34	≤54	PASS
				AV	5150.000	-54.35	≤-41.20	40.85	≤54	PASS
				Peak	4500.000	-48.86	≤-21.20	46.34	≤68.2	PASS
				Peak	4787.560	-43.85	≤-21.20	51.35	≤68.2	PASS
				Peak	5150.000	-44.88	≤-21.20	50.32	≤68.2	PASS
		High	5320	AV	5350.000	-45.19	≤-41.20	50.01	≤54	PASS
				AV	5350.240	-44.25	≤-41.20	50.95	≤54	PASS
				AV	5460.000	-56.11	≤-41.20	39.09	≤54	PASS
				Peak	5350.000	-32.39	≤-21.20	62.81	≤68.2	PASS
				Peak	5350.880	-29.04	≤-21.20	66.16	≤68.2	PASS
				Peak	5460.000	-48.71	≤-21.20	46.49	≤68.2	PASS
11N20SIS O	Ant	Low	5260	AV	4500.000	-57.3	≤-41.20	37.90	≤54	PASS
				AV	4788.350	-52.64	≤-41.20	42.56	≤54	PASS
				AV	5150.000	-54.31	≤-41.20	40.89	≤54	PASS
				Peak	4500.000	-48.27	≤-21.20	46.93	≤68.2	PASS
				Peak	4786.770	-44.13	≤-21.20	51.07	≤68.2	PASS
				Peak	5150.000	-46.67	≤-21.20	48.53	≤68.2	PASS
		High	5320	AV	5350.000	-44.97	≤-41.20	50.23	≤54	PASS
				AV	5350.080	-44.97	≤-41.20	50.23	≤54	PASS
				AV	5460.000	-56.03	≤-41.20	39.17	≤54	PASS
				Peak	5350.000	-28.93	≤-21.20	66.27	≤68.2	PASS
				Peak	5351.360	-28.08	≤-21.20	67.12	≤68.2	PASS
				Peak	5460.000	-48.29	≤-21.20	46.91	≤68.2	PASS
11N40SIS O	Ant	Low	5270	AV	4500.000	-56.86	≤-41.20	38.34	≤54	PASS
				AV	4806.520	-49.09	≤-41.20	46.11	≤54	PASS
				AV	5150.000	-54.35	≤-41.20	40.85	≤54	PASS
				Peak	4500.000	-47.82	≤-21.20	47.38	≤68.2	PASS
				Peak	4807.310	-40.98	≤-21.20	54.22	≤68.2	PASS
				Peak	5150.000	-45.23	≤-21.20	49.97	≤68.2	PASS
		High	5310	AV	5350.000	-41.92	≤-41.20	53.28	≤54	PASS
				AV	5350.080	-41.92	≤-41.20	53.28	≤54	PASS
				AV	5460.000	-55.84	≤-41.20	39.36	≤54	PASS
				Peak	5350.000	-29.82	≤-21.20	65.38	≤68.2	PASS
				Peak	5350.880	-27.23	≤-21.20	67.97	≤68.2	PASS
				Peak	5460.000	-47.64	≤-21.20	47.56	≤68.2	PASS



11AC20SI SO	Ant	Low	5260	AV	4500.000	-57.29	≤-41.20	37.91	≤54	PASS
				AV	4787.560	-52.41	≤-41.20	42.79	≤54	PASS
				AV	5150.000	-54.19	≤-41.20	41.01	≤54	PASS
				Peak	4500.000	-48.23	≤-21.20	46.97	≤68.2	PASS
				Peak	4787.560	-43.57	≤-21.20	51.63	≤68.2	PASS
				Peak	5150.000	-45.89	≤-21.20	49.31	≤68.2	PASS
		High	5320	AV	5350.000	-45.12	≤-41.20	50.08	≤54	PASS
				AV	5350.080	-45.12	≤-41.20	50.08	≤54	PASS
				AV	5460.000	-56.09	≤-41.20	39.11	≤54	PASS
				Peak	5350.000	-30.45	≤-21.20	64.75	≤68.2	PASS
				Peak	5350.400	-29.36	≤-21.20	65.84	≤68.2	PASS
				Peak	5460.000	-47.3	≤-21.20	47.90	≤68.2	PASS
11AC40SI SO	Ant	Low	5270	AV	4500.000	-56.96	≤-41.20	38.24	≤54	PASS
				AV	4807.310	-49.54	≤-41.20	45.66	≤54	PASS
				AV	5150.000	-54.5	≤-41.20	40.70	≤54	PASS
				Peak	4500.000	-48.77	≤-21.20	46.43	≤68.2	PASS
				Peak	4805.730	-41.55	≤-21.20	53.65	≤68.2	PASS
				Peak	5150.000	-45.56	≤-21.20	49.64	≤68.2	PASS
		High	5310	AV	5350.000	-41.77	≤-41.20	53.43	≤54	PASS
				AV	5350.080	-41.77	≤-41.20	53.43	≤54	PASS
				AV	5460.000	-55.91	≤-41.20	39.29	≤54	PASS
				Peak	5350.000	-30.15	≤-21.20	65.05	≤68.2	PASS
				Peak	5350.400	-27.52	≤-21.20	67.68	≤68.2	PASS
				Peak	5460.000	-48.02	≤-21.20	47.18	≤68.2	PASS
11AC80SI SO	Ant	Low	5290	AV	4500.000	-56.59	≤-41.20	38.61	≤54	PASS
				AV	5148.000	-52.83	≤-41.20	42.37	≤54	PASS
				AV	5150.000	-52.74	≤-41.20	42.46	≤54	PASS
				Peak	4500.000	-48.91	≤-21.20	46.29	≤68.2	PASS
				Peak	5125.500	-44.05	≤-21.20	51.15	≤68.2	PASS
				Peak	5150.000	-46.18	≤-21.20	49.02	≤68.2	PASS
		High	5290	AV	5350.000	-43.61	≤-41.20	51.59	≤54	PASS
				AV	5460.000	-55.35	≤-41.20	39.85	≤54	PASS
				Peak	5350.000	-34.29	≤-21.20	60.91	≤68.2	PASS
				Peak	5351.800	-31.12	≤-21.20	64.08	≤68.2	PASS
				Peak	5460.000	-46.71	≤-21.20	48.49	≤68.2	PASS

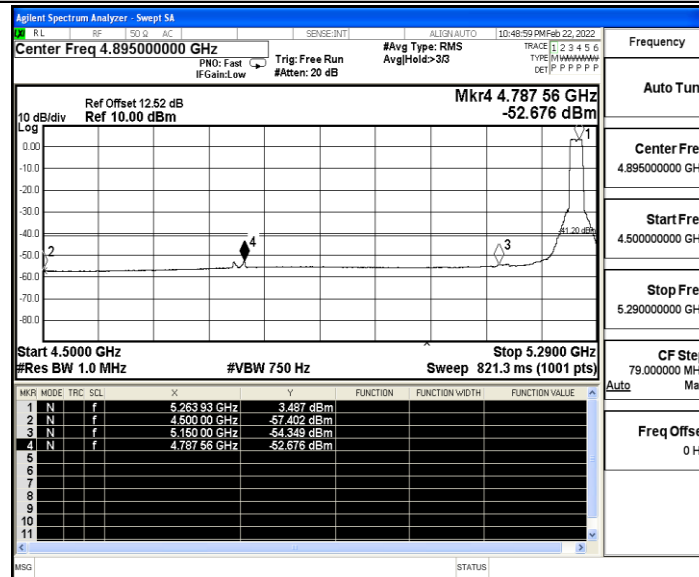
Note:

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.

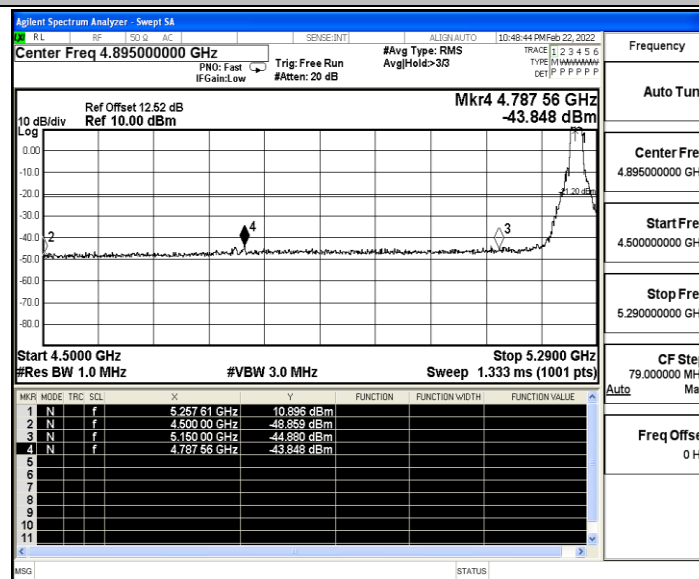


Test Graphs

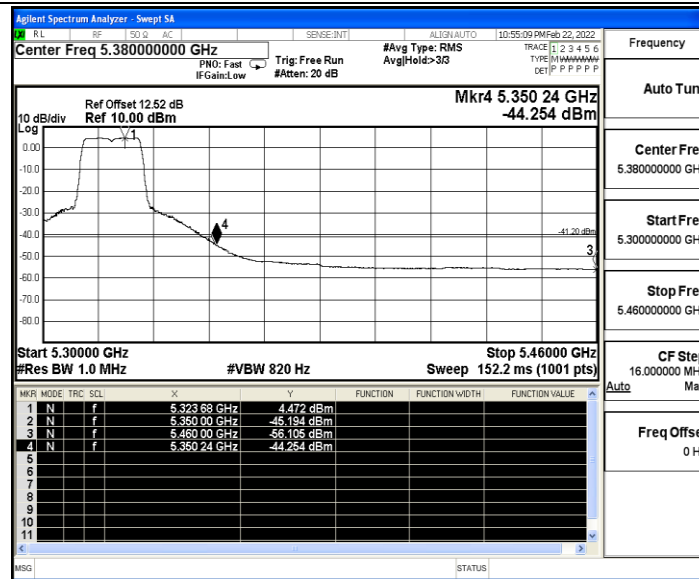
11A_Ant_Low_5260_AV



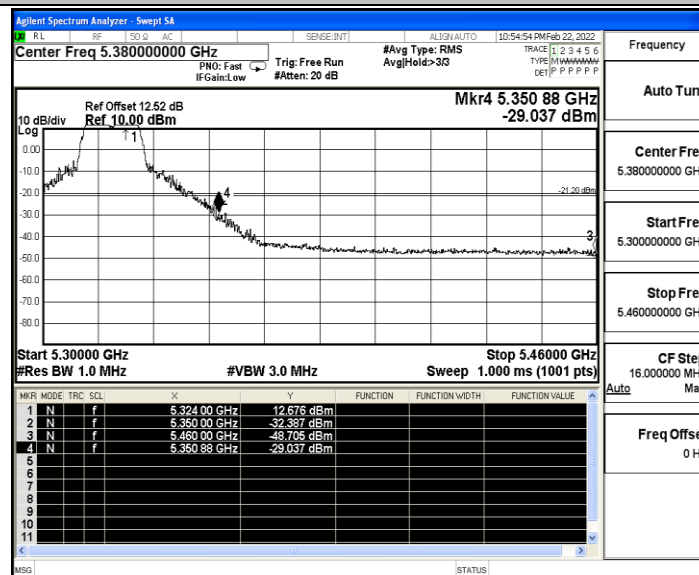
11A_Ant_Low_5260_Peak



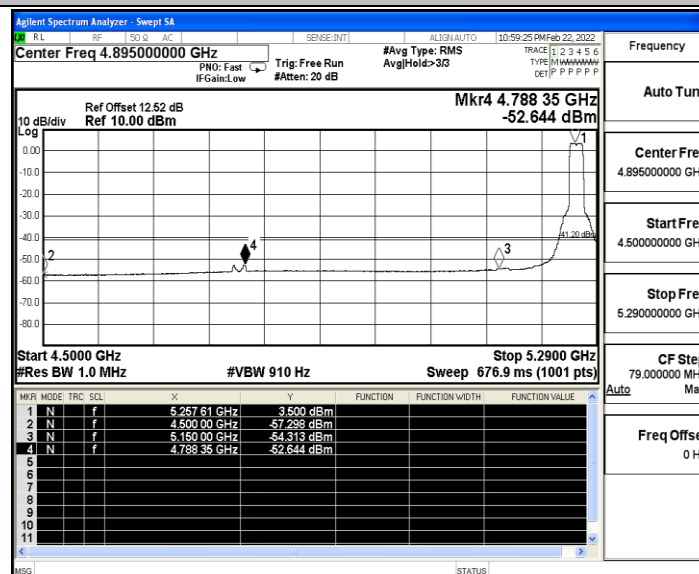
11A_Ant_High_5320_AV



11A_Ant_High_5320_Peak

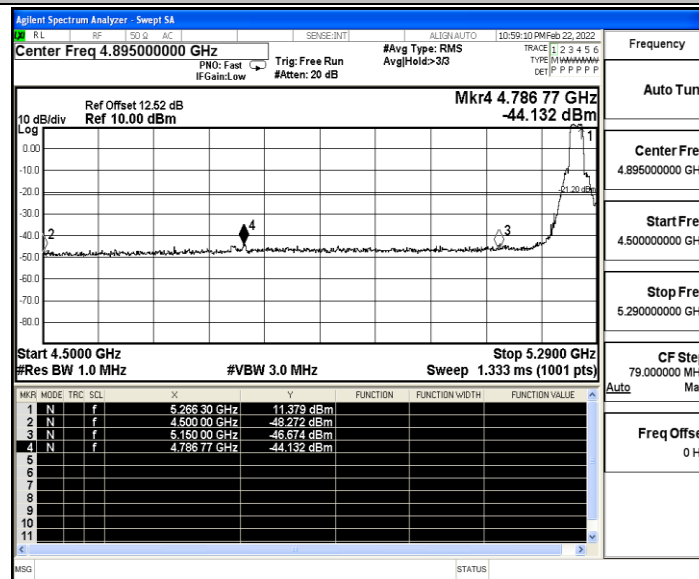


11N20SISO_Ant_Low_5260_AV

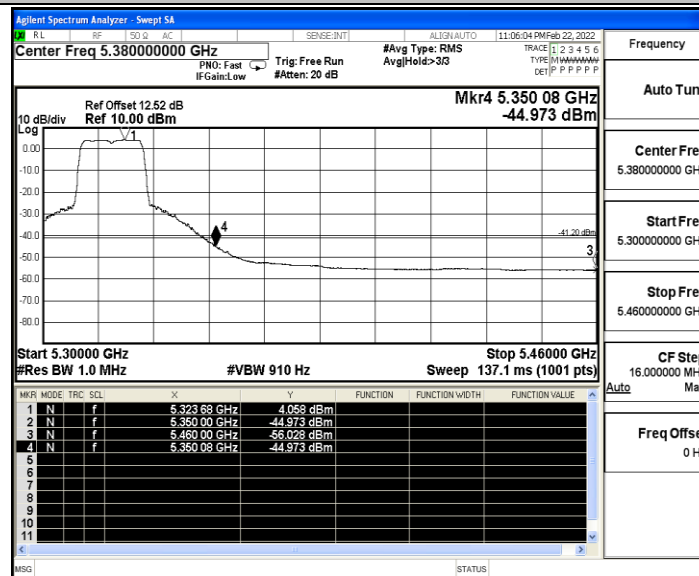




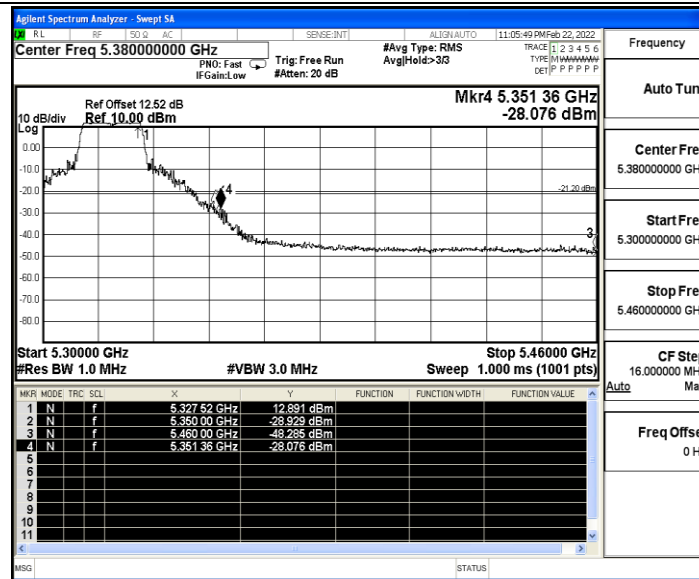
11N20SISO_Ant_Low_5260_Peak



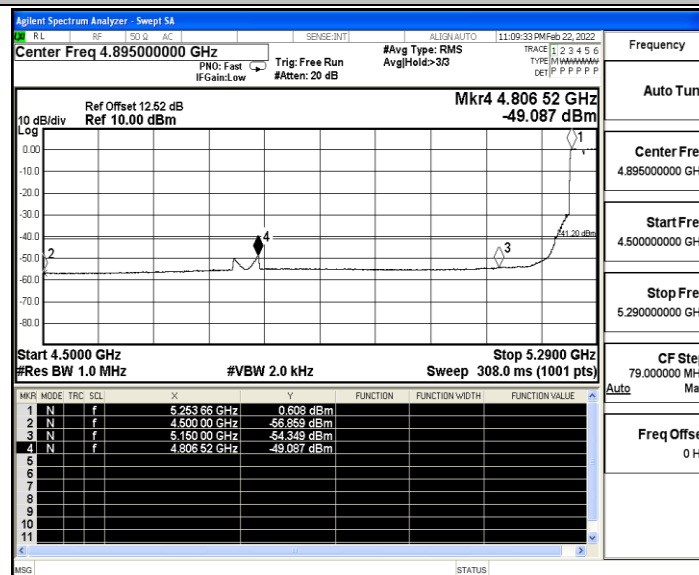
11N20SISO_Ant_High_5320_AV



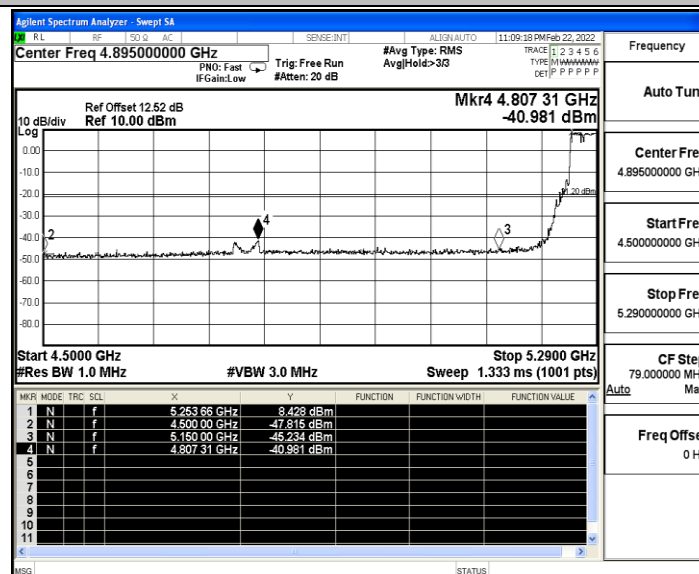
11N20SISO_Ant_High_5320_Peak



11N40SISO_Ant_Low_5270_AV

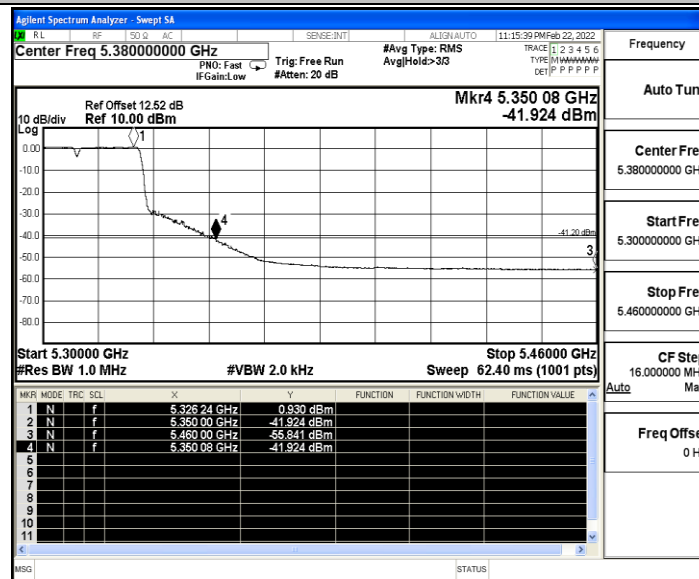


11N40SISO_Ant_Low_5270_Peak

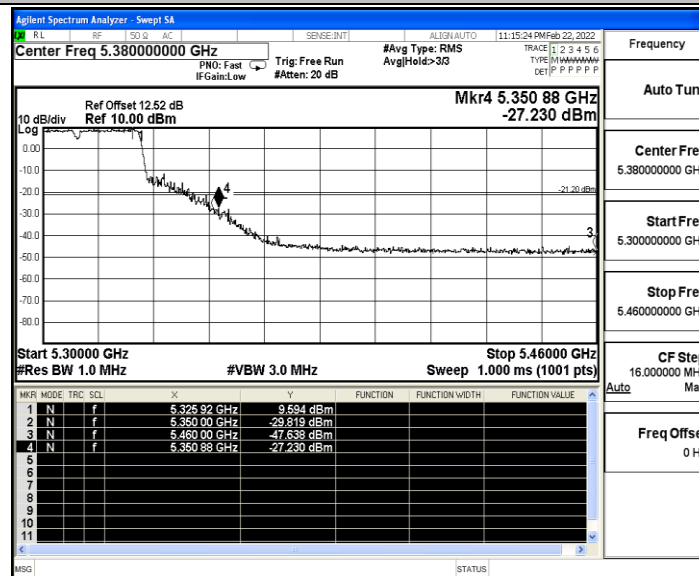




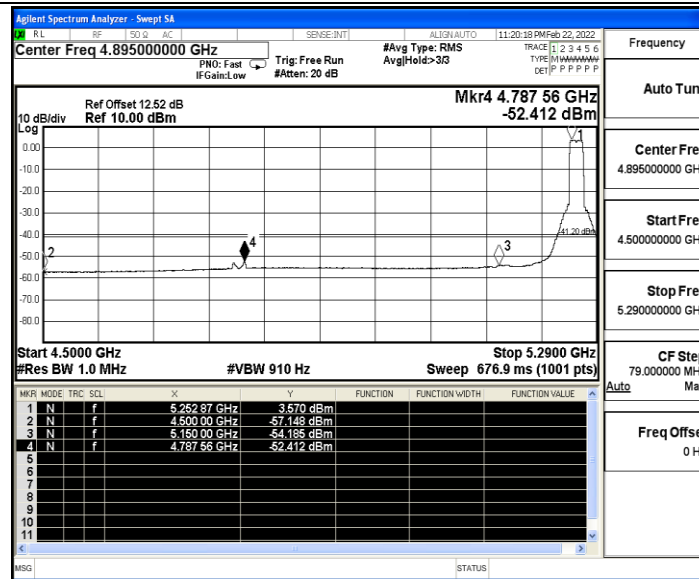
11N40SISO_Ant_High_5310_AV



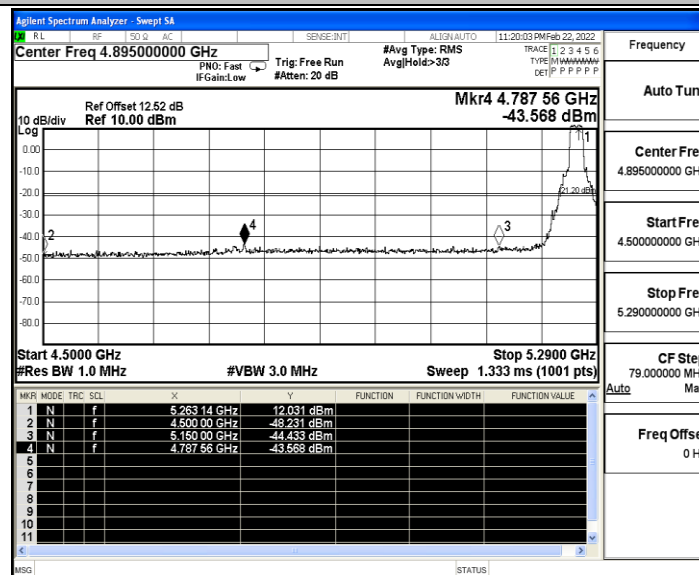
11N40SISO_Ant_High_5310_Peak



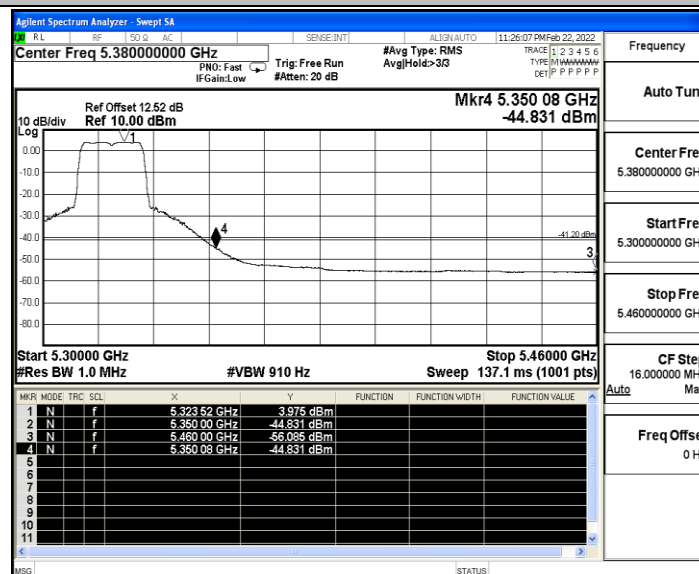
11AC20SISO_Ant_Low_5260_AV



11AC20SISO_Ant_Low_5260_Peak

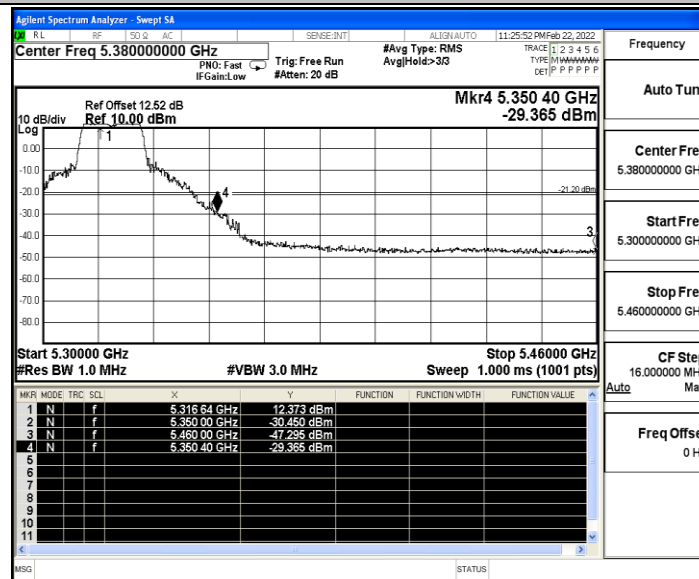


11AC20SISO_Ant_High_5320_AV

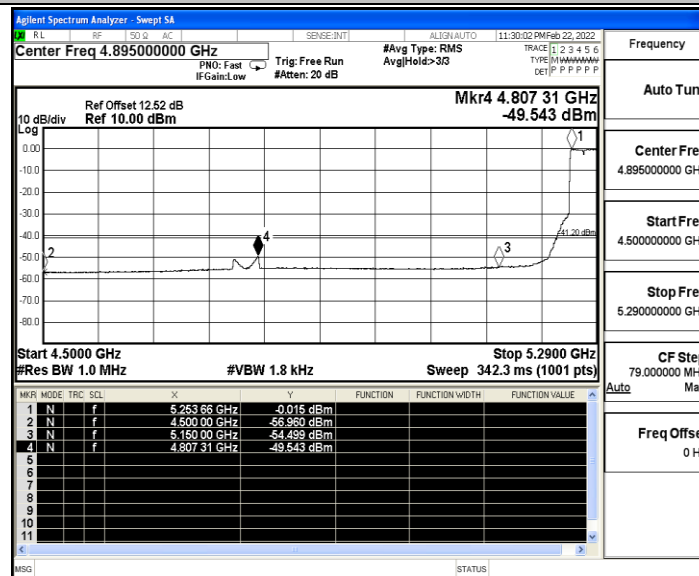




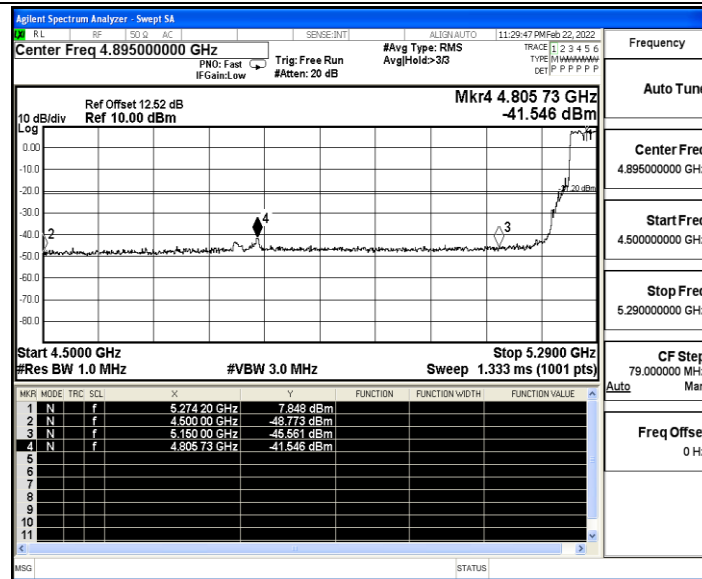
11AC20SISO_Ant_High_5320_Peak



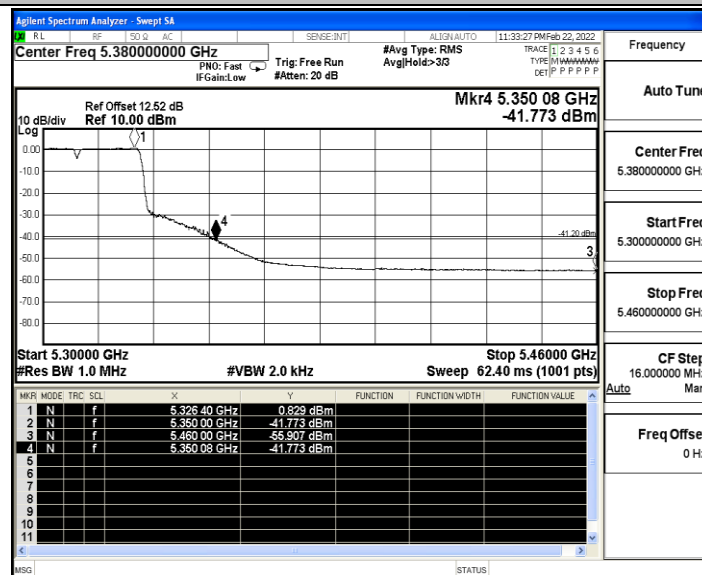
11AC40SISO_Ant_Low_5270_AV



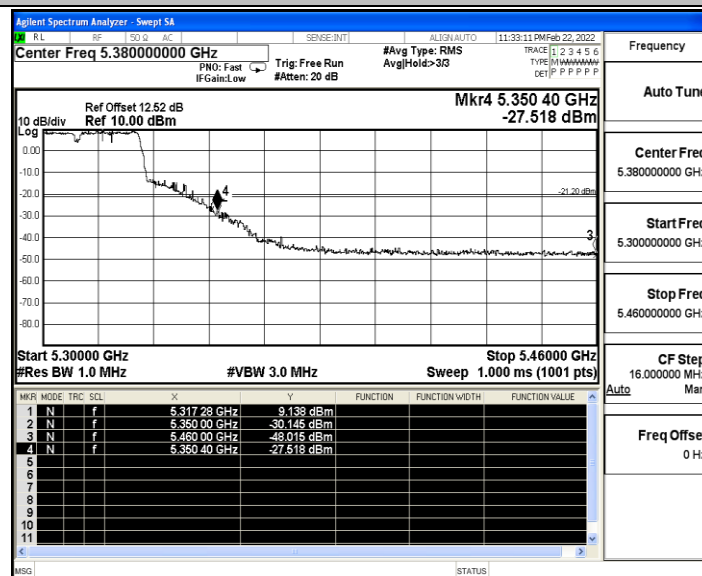
11AC40SISO_Ant_Low_5270_Peak



11AC40SISO_Ant_High_5310_AV

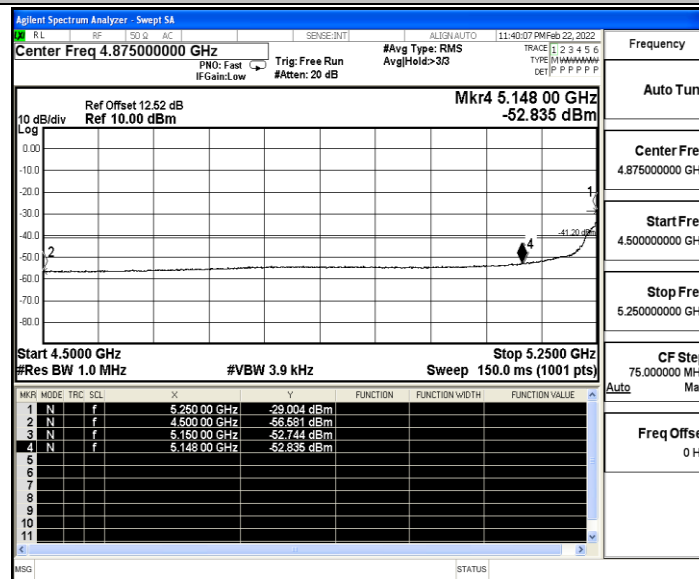


11AC40SISO_Ant_High_5310_Peak

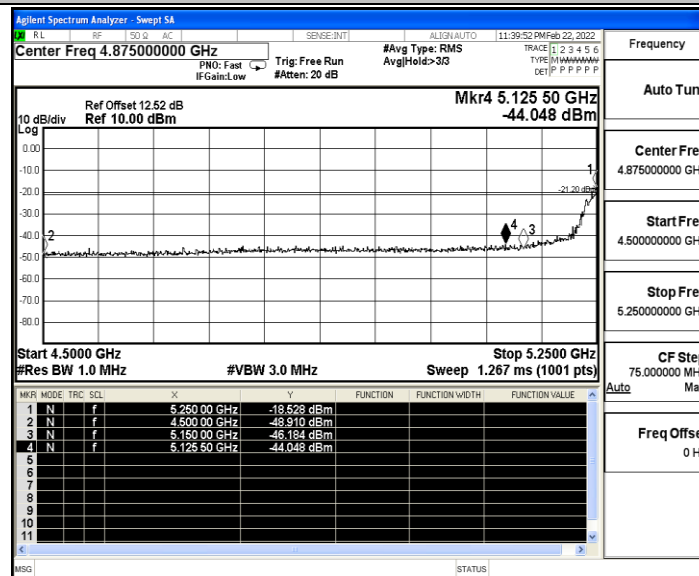




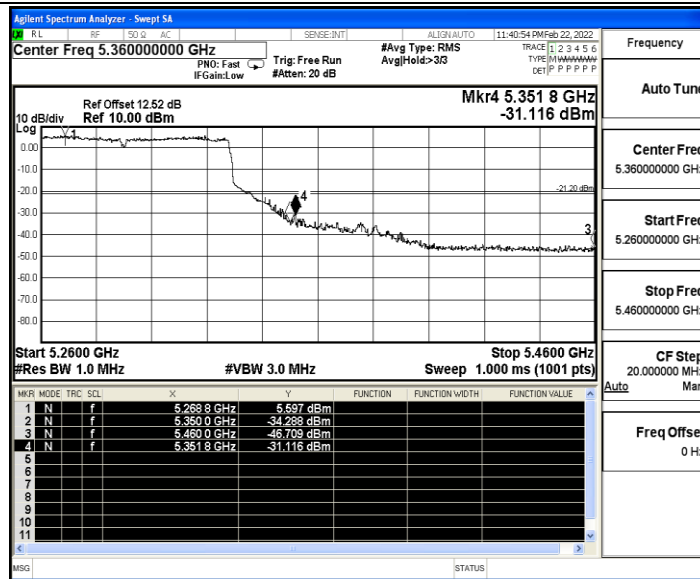
11AC80SISO_Ant_Low_5290_AV



11AC80SISO_Ant_Low_5290_Peak



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	1.32	1.32	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	1.34	1.34	100	---	---
		5300	1.33	1.33	100	---	---
		5320	1.33	1.33	100	---	---
11AC40SISO	Ant	5270	0.74	0.74	100	---	---
		5310	0.73	0.73	100	---	---
11AC80SISO	Ant	5290	0.44	0.44	100	---	---