



Appendix F

RF Test Data for 5.5G 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



F.1 26dB Bandwidth

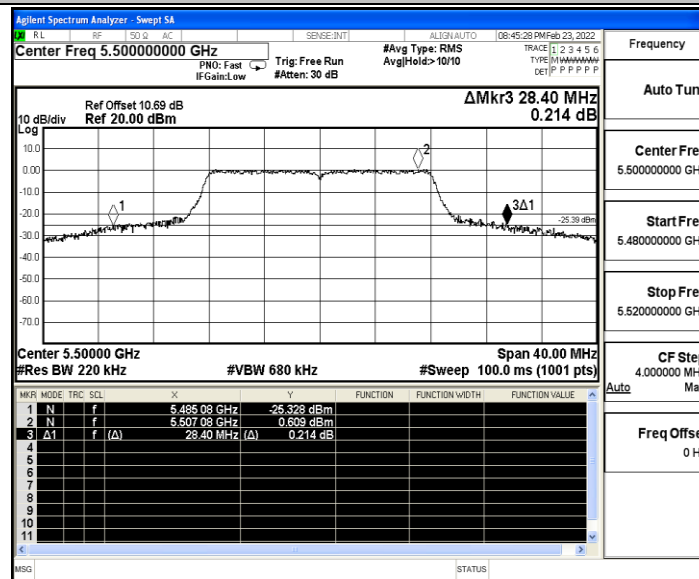
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant	5500	28.400	5485.080	5513.480	---	---
		5580	27.520	5566.560	5594.080	---	---
		5700	25.240	5687.720	5712.960	---	---
11N20SISO	Ant	5500	30.200	5485.360	5515.560	---	---
		5580	31.840	5563.880	5595.720	---	---
		5700	31.440	5684.320	5715.760	---	---
11N40SISO	Ant	5510	51.840	5487.120	5538.960	---	---
		5550	52.080	5524.560	5576.640	---	---
		5670	50.880	5647.840	5698.720	---	---
11AC20SISO	Ant	5500	30.720	5484.760	5515.480	---	---
		5580	33.200	5563.920	5597.120	---	---
		5700	30.640	5684.960	5715.600	---	---
11AC40SISO	Ant	5510	49.680	5485.360	5535.040	---	---
		5550	48.800	5526.880	5575.680	---	---
		5670	46.720	5648.800	5695.520	---	---
11AC80SISO	Ant	5530	84.640	5488.720	5573.360	---	---
		5610	85.280	5570.160	5655.440	---	---

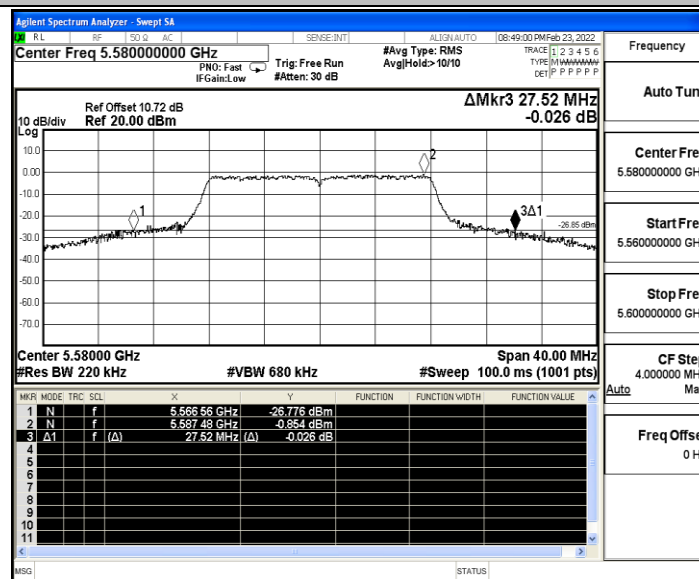


Test Graphs

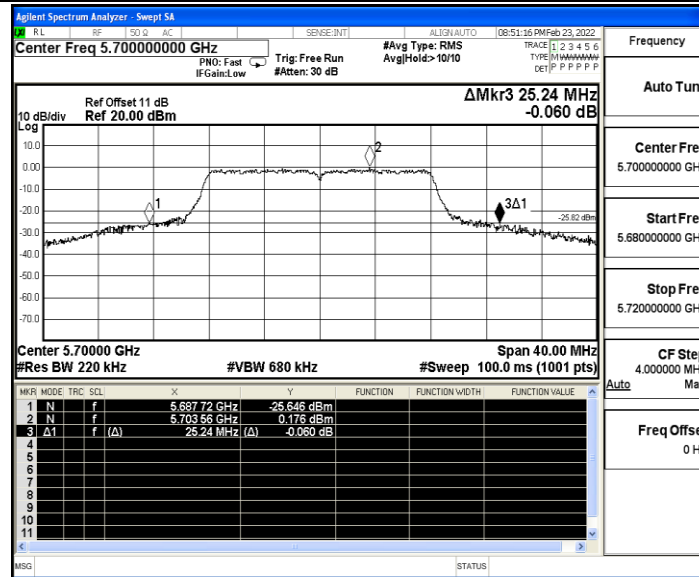
11A_Ant_5500



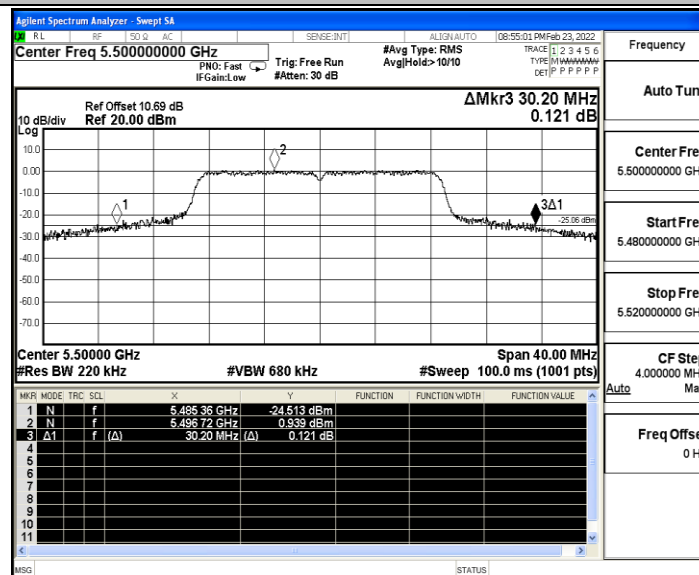
11A_Ant_5580



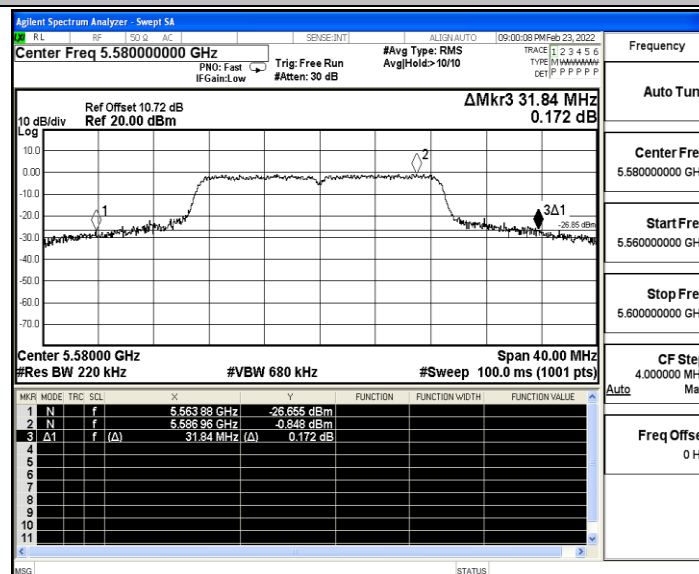
11A_Ant_5700



11N20SISO_Ant_5500

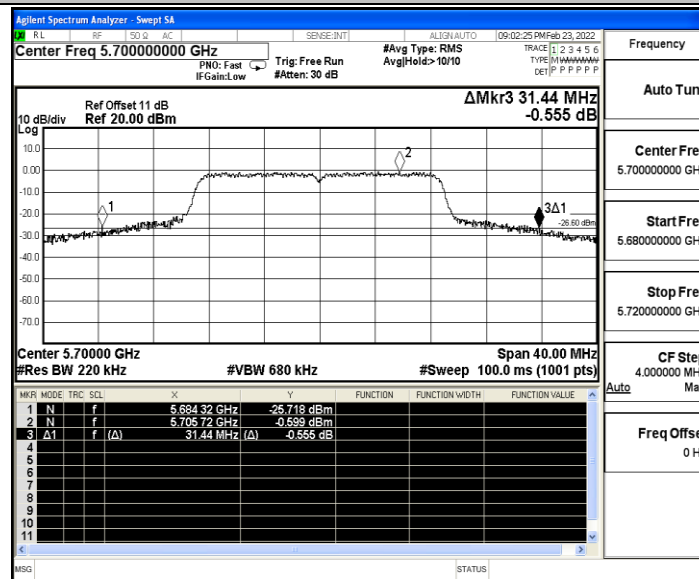


11N20SISO_Ant_5580

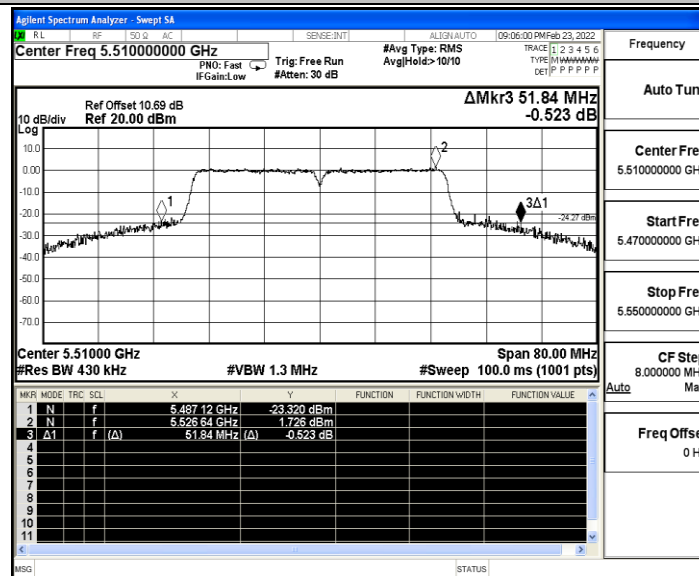




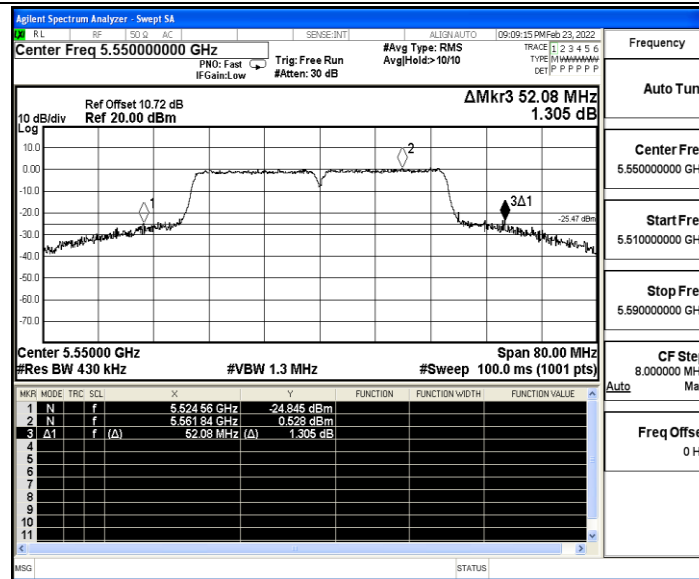
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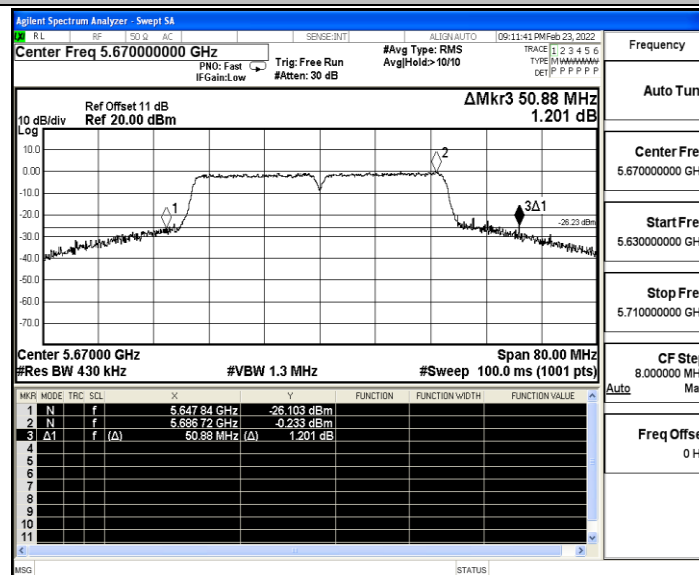
11N40SISO_Ant_5510



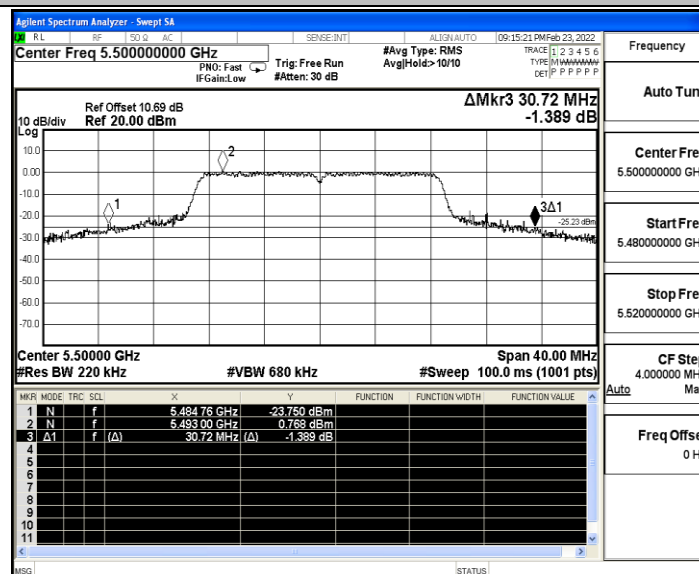
11N40SISO_Ant_5550



11N40SISO_Ant_5670

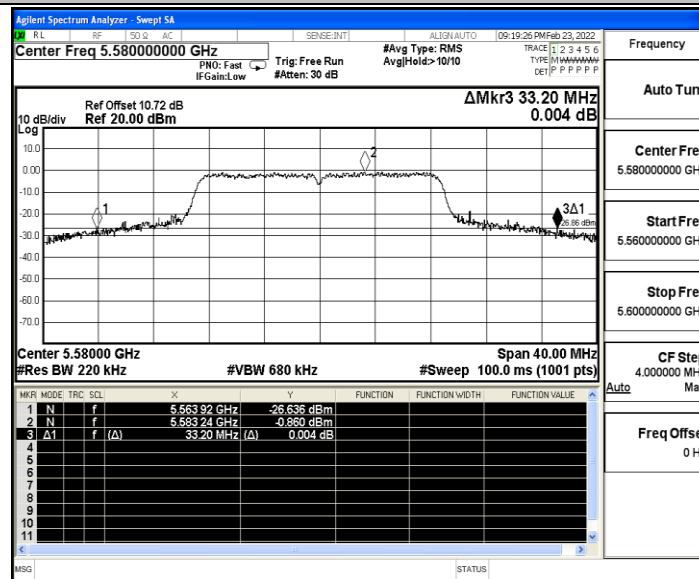


11AC20SISO_Ant_5500

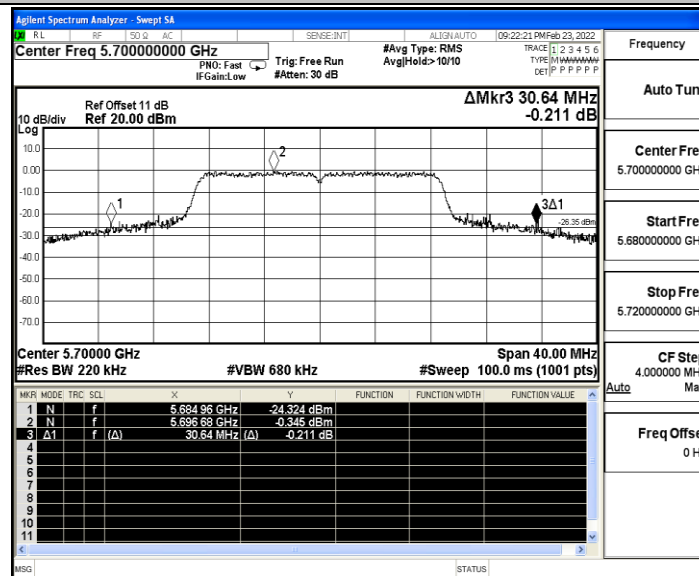




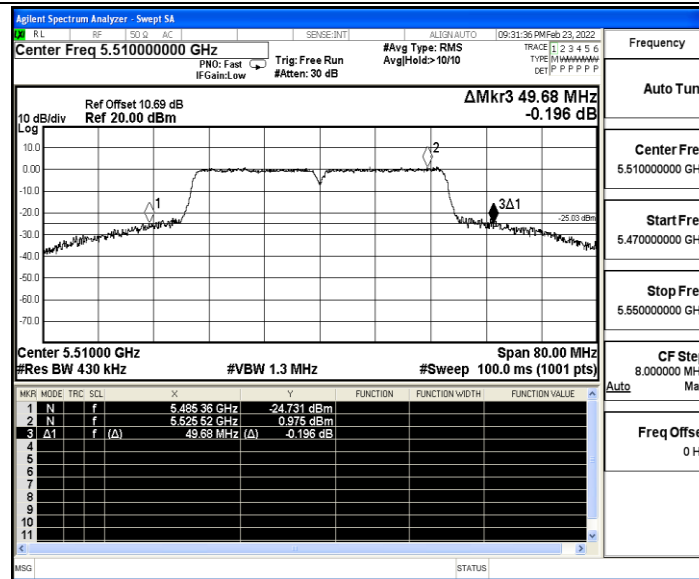
11AC20SISO_Ant_5580



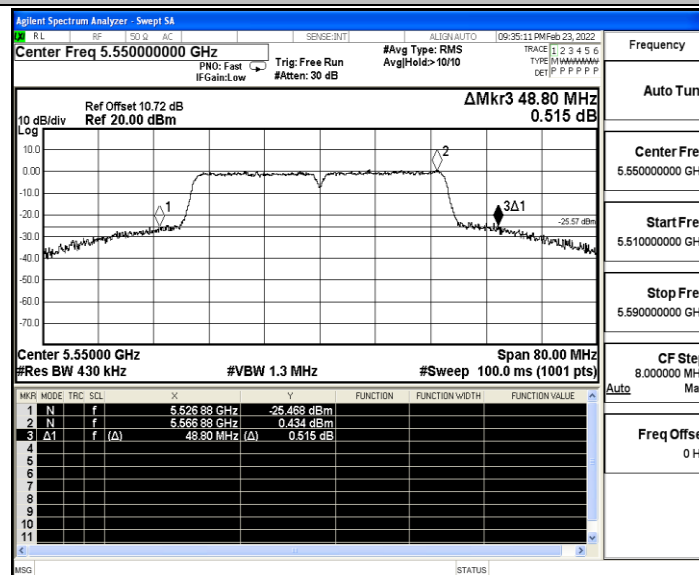
11AC20SISO_Ant_5700



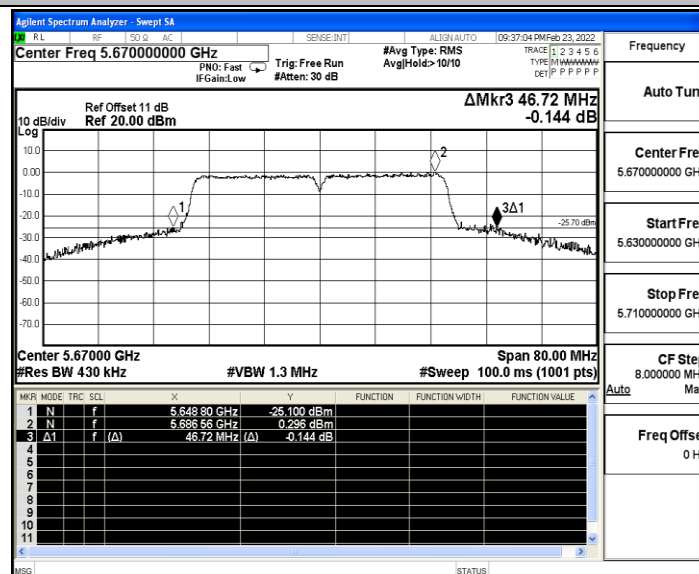
11AC40SISO_Ant_5510



11AC40SISO_Ant_5550

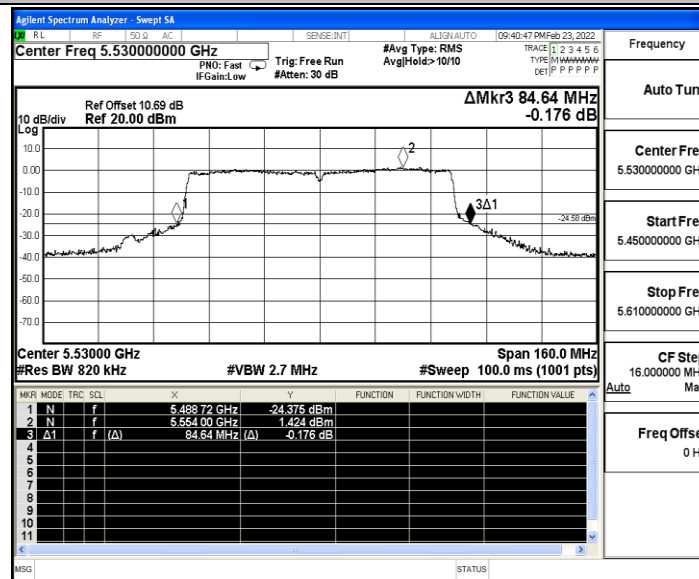


11AC40SISO_Ant_5670

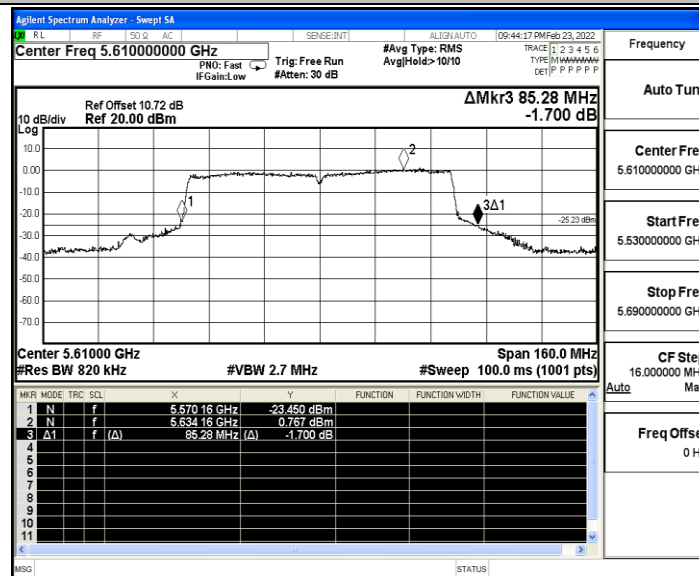




11AC80SISO_Ant_5530



11AC80SISO_Ant_5610





F.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant	5500	10.36	≤23.98	PASS
		5580	9.03	≤23.98	PASS
		5700	9.47	≤23.98	PASS
11N20SISO	Ant	5500	10.68	≤23.98	PASS
		5580	9.31	≤23.98	PASS
		5700	9.60	≤23.98	PASS
11N40SISO	Ant	5510	10.23	≤23.98	PASS
		5550	9.55	≤23.98	PASS
		5670	8.96	≤23.98	PASS
11AC20SISO	Ant	5500	10.99	≤23.98	PASS
		5580	9.68	≤23.98	PASS
		5700	9.81	≤23.98	PASS
11AC40SISO	Ant	5510	10.02	≤23.98	PASS
		5550	9.57	≤23.98	PASS
		5670	8.95	≤23.98	PASS
11AC80SISO	Ant	5530	10.02	≤23.98	PASS
		5610	9.38	≤23.98	PASS

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



F.3 Maximum power spectral density

Test Result

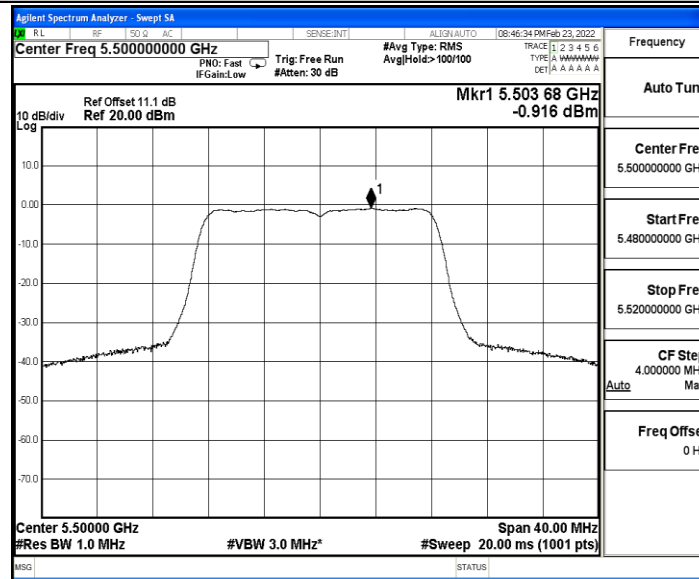
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant	5500	-0.9	≤11.00	PASS
		5580	-2.17	≤11.00	PASS
		5700	-1.97	≤11.00	PASS
11N20SISO	Ant	5500	-0.93	≤11.00	PASS
		5580	-2.1	≤11.00	PASS
		5700	-2.03	≤11.00	PASS
11N40SISO	Ant	5510	-3.84	≤11.00	PASS
		5550	-4.69	≤11.00	PASS
		5670	-5.34	≤11.00	PASS
11AC20SISO	Ant	5500	-0.46	≤11.00	PASS
		5580	-1.67	≤11.00	PASS
		5700	-1.8	≤11.00	PASS
11AC40SISO	Ant	5510	-4.36	≤11.00	PASS
		5550	-4.57	≤11.00	PASS
		5670	-5.2	≤11.00	PASS
11AC80SISO	Ant	5530	-6.79	≤11.00	PASS
		5610	-7.38	≤11.00	PASS

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

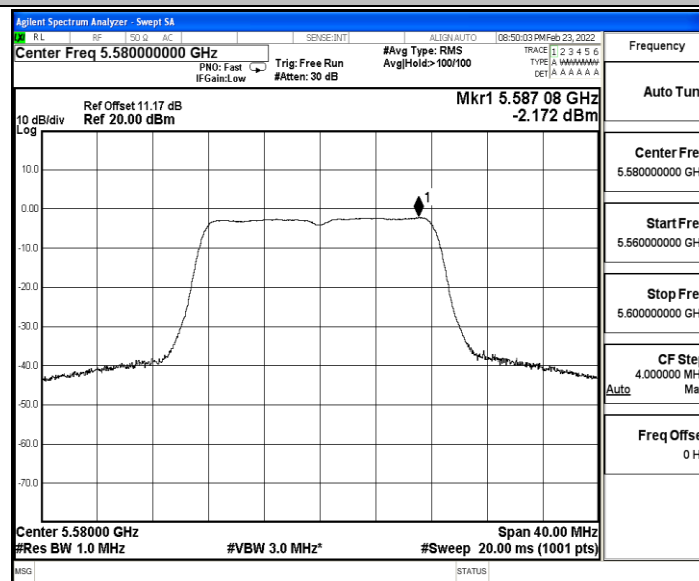


Test Graphs

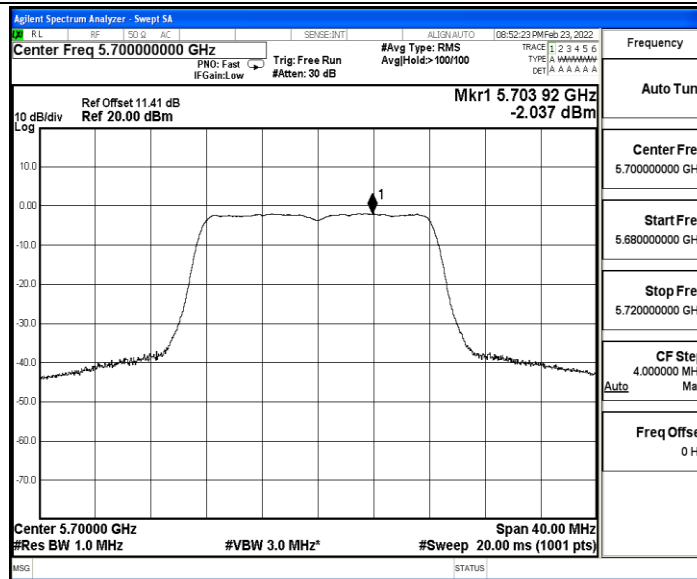
11A_Ant_5500



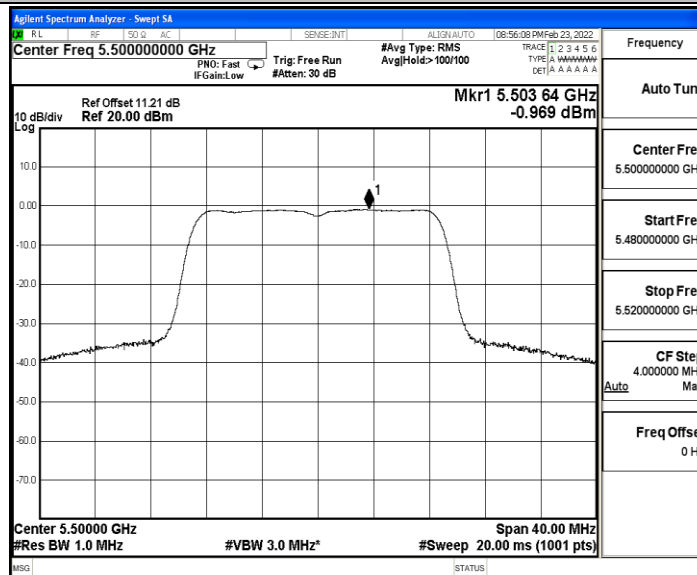
11A_Ant_5580



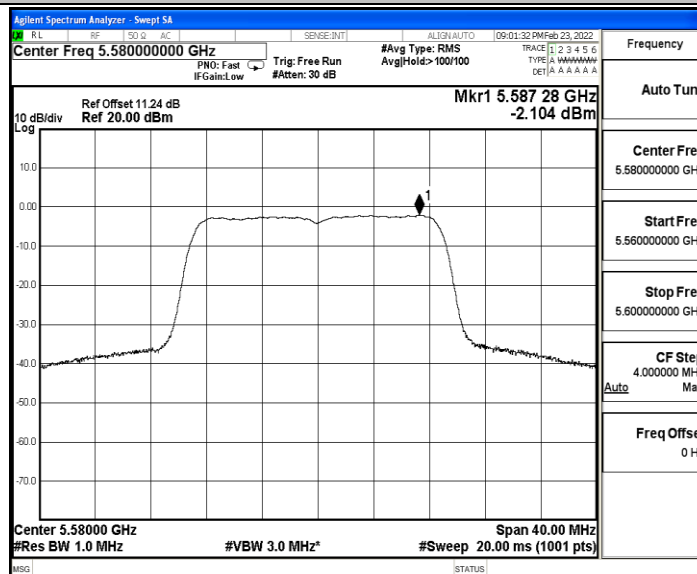
11A_Ant_5700



11N20SISO_Ant_5500

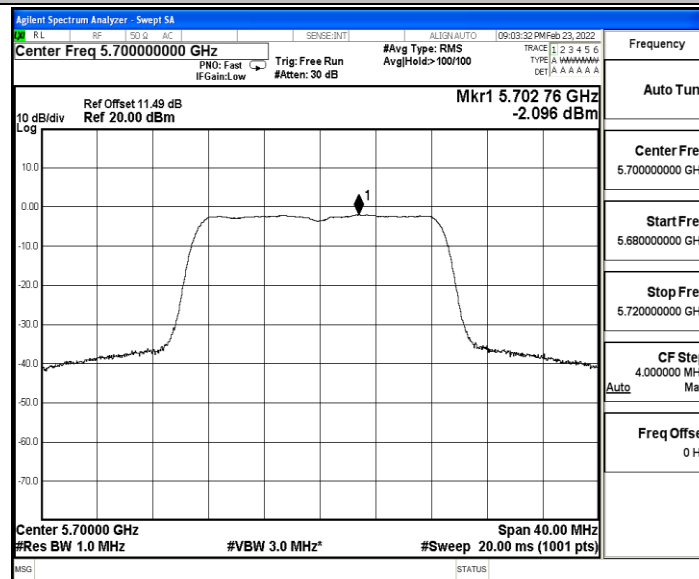


11N20SISO_Ant_5580

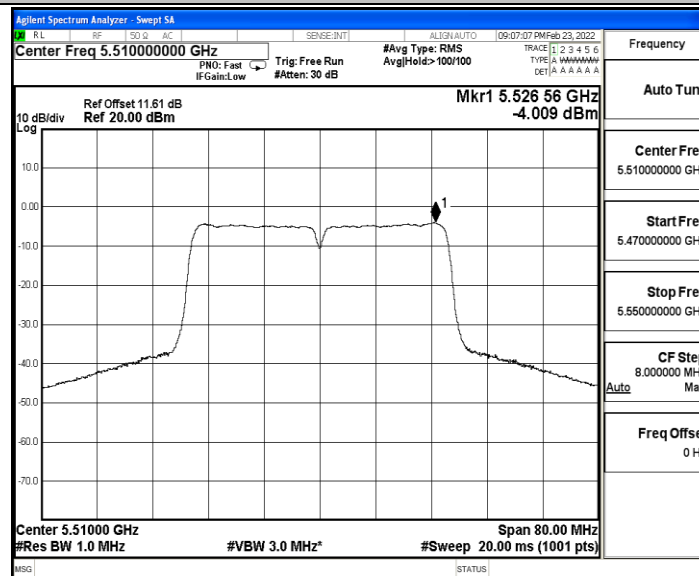




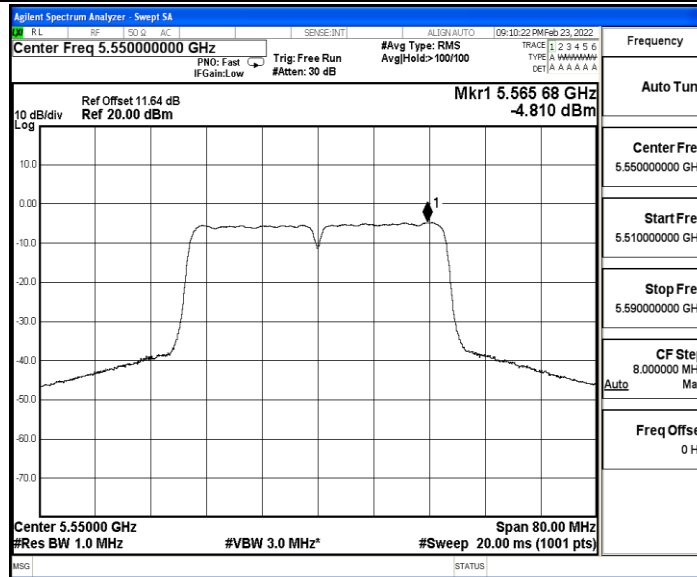
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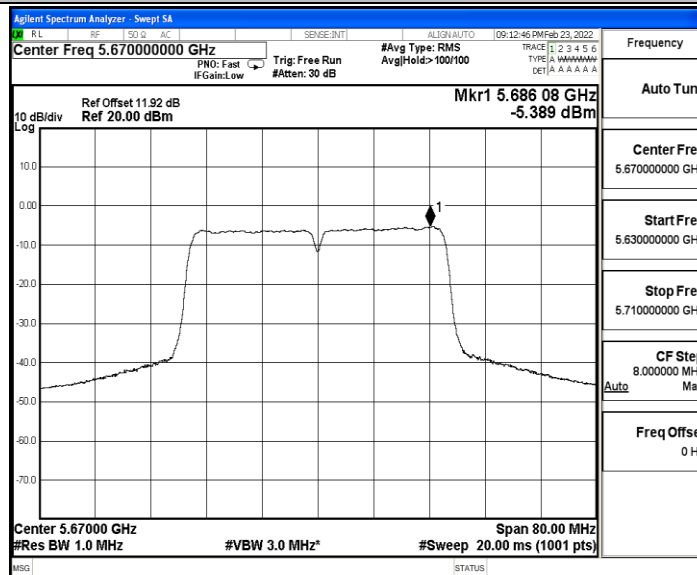
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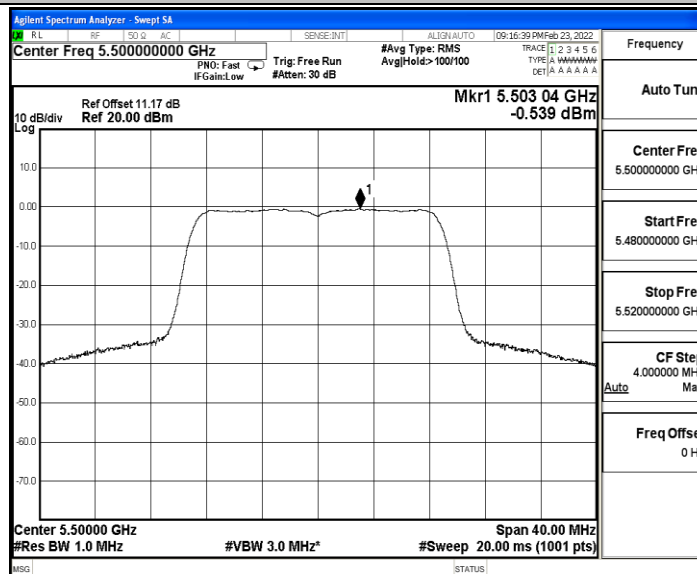
11N40SISO_Ant_5550



11N40SISO_Ant_5670

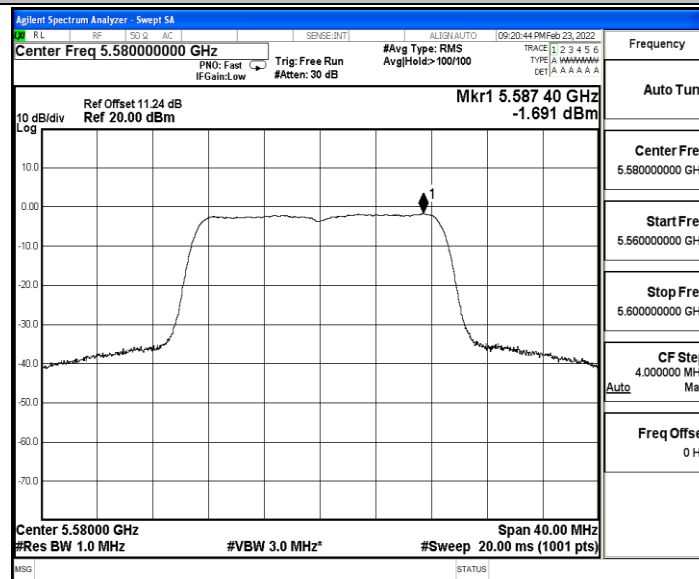


11AC20SISO_Ant_5500

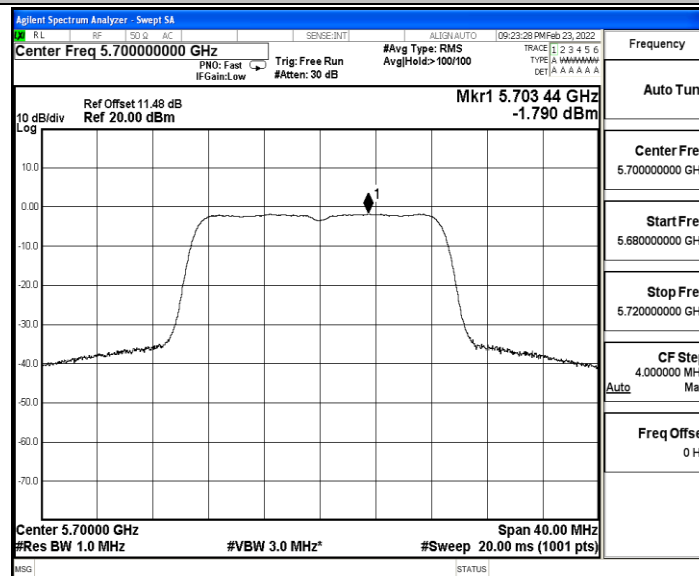




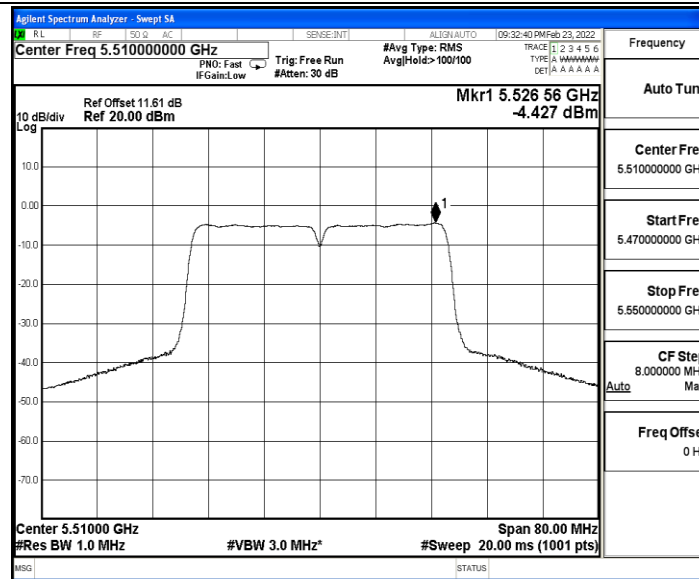
11AC20SISO_Ant_5580



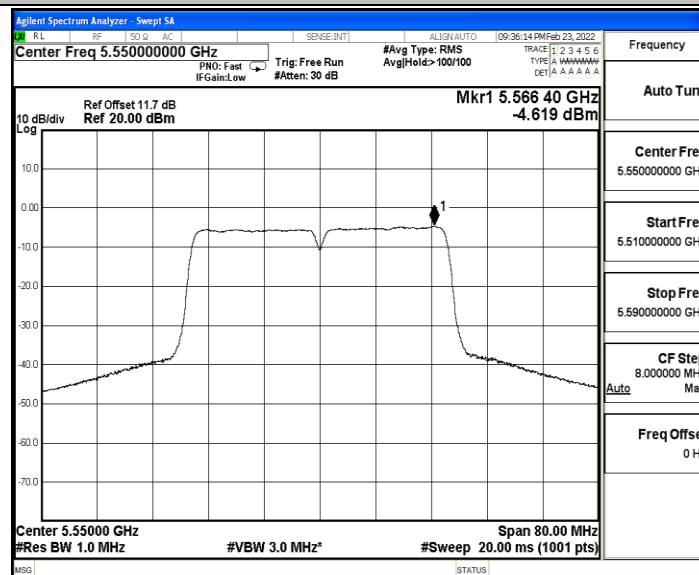
11AC20SISO_Ant_5700



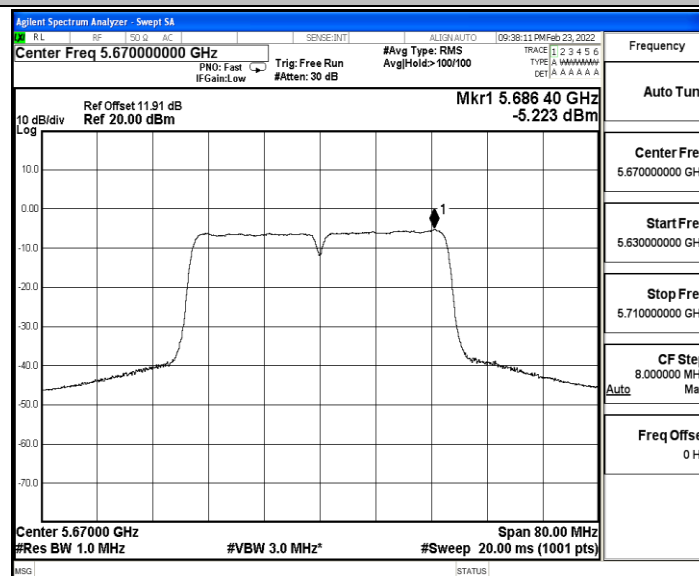
11AC40SISO_Ant_5510



11AC40SISO_Ant_5550

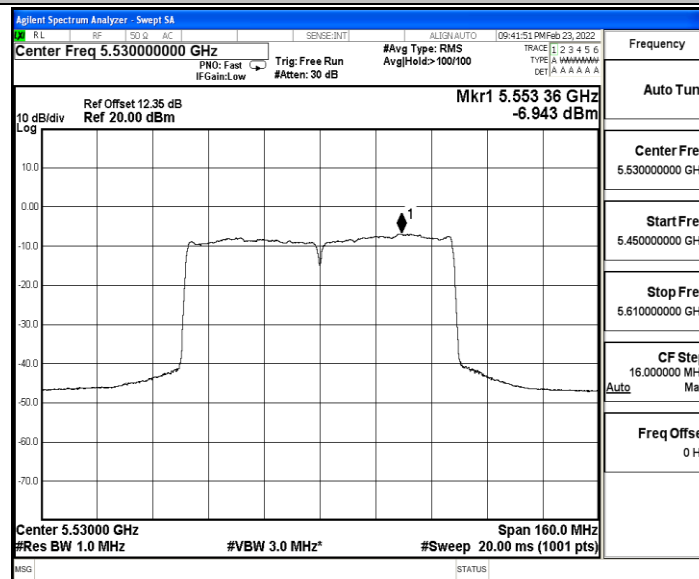


11AC40SISO_Ant_5670

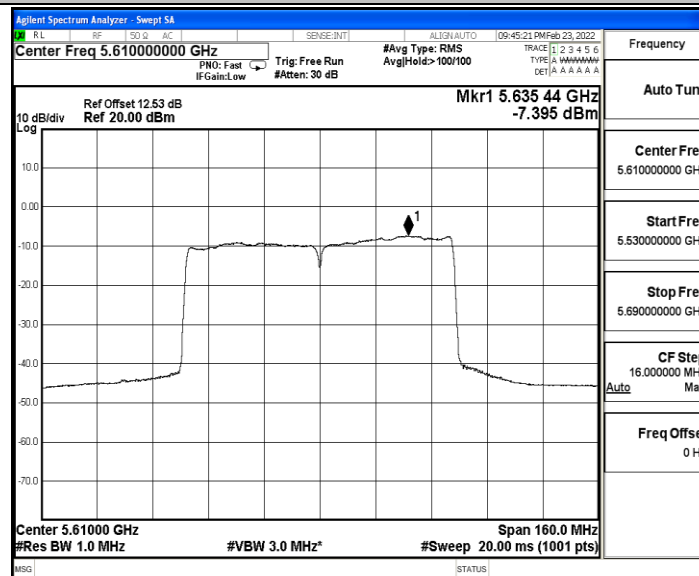




11AC80SISO_Ant_5530



11AC80SISO_Ant_5610





F.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	5500	AV	5460.000	-52.6	≤-41.20	42.60	≤54	PASS
				AV	5469.320	-46.52	≤-41.20	48.68	≤54	PASS
				AV	5470.000	-46.9	≤-41.20	48.30	≤54	PASS
				Peak	5460.000	-41.34	≤-21.20	53.86	≤68.2	PASS
				Peak	5469.620	-29.19	≤-21.20	66.01	≤68.2	PASS
				Peak	5470.000	-32.7	≤-21.20	62.50	≤68.2	PASS
		High	5700	AV	5725.000	-44.4	≤-41.20	50.80	≤54	PASS
				AV	5725.040	-44.34	≤-41.20	50.86	≤54	PASS
				AV	5735.000	-51.76	≤-41.20	43.44	≤54	PASS
				Peak	5725.000	-28.13	≤-21.20	67.07	≤68.2	PASS
				Peak	5726.120	-25.67	≤-21.20	69.53	≤68.2	PASS
				Peak	5735.000	-40.19	≤-21.20	55.01	≤68.2	PASS
11N20SIS O	Ant	Low	5500	AV	5460.000	-52.17	≤-41.20	43.03	≤54	PASS
				AV	5469.740	-45.79	≤-41.20	49.41	≤54	PASS
				AV	5470.000	-46.27	≤-41.20	48.93	≤54	PASS
				Peak	5460.000	-42.41	≤-21.20	52.79	≤68.2	PASS
				Peak	5469.800	-30.8	≤-21.20	64.40	≤68.2	PASS
				Peak	5470.000	-33.91	≤-21.20	61.29	≤68.2	PASS
		High	5700	AV	5725.000	-42	≤-41.20	53.20	≤54	PASS
				AV	5725.040	-41.91	≤-41.20	53.29	≤54	PASS
				AV	5735.000	-50.98	≤-41.20	44.22	≤54	PASS
				Peak	5725.000	-27.63	≤-21.20	67.57	≤68.2	PASS
				Peak	5725.040	-25.42	≤-21.20	69.78	≤68.2	PASS
				Peak	5735.000	-35.78	≤-21.20	59.42	≤68.2	PASS
11N40SIS O	Ant	Low	5510	AV	5460.000	-51.42	≤-41.20	43.78	≤54	PASS
				AV	5469.810	-44.72	≤-41.20	50.48	≤54	PASS
				AV	5470.000	-44.97	≤-41.20	50.23	≤54	PASS
				Peak	5460.000	-41.73	≤-21.20	53.47	≤68.2	PASS
				Peak	5469.670	-28.3	≤-21.20	66.90	≤68.2	PASS
				Peak	5470.000	-28.39	≤-21.20	66.81	≤68.2	PASS
		High	5670	AV	5725.000	-52.67	≤-41.20	42.53	≤54	PASS
				AV	5735.000	-53.94	≤-41.20	41.26	≤54	PASS
				Peak	5725.000	-44.39	≤-21.20	50.81	≤68.2	PASS
				Peak	5730.000	-42.29	≤-21.20	52.91	≤68.2	PASS
				Peak	5735.000	-46.45	≤-21.20	48.75	≤68.2	PASS
11AC20SI	Ant	Low	5500	AV	5460.000	-52.52	≤-41.20	42.68	≤54	PASS



SO				AV	5469.980	-47.3	≤-41.20	47.90	≤54	PASS
				AV	5470.000	-47.3	≤-41.20	47.90	≤54	PASS
				Peak	5460.000	-43.89	≤-21.20	51.31	≤68.2	PASS
				Peak	5469.200	-32.29	≤-21.20	62.91	≤68.2	PASS
				Peak	5470.000	-35.18	≤-21.20	60.02	≤68.2	PASS
		High	5700	AV	5725.000	-42.04	≤-41.20	53.16	≤54	PASS
				AV	5725.040	-41.49	≤-41.20	53.71	≤54	PASS
				AV	5735.000	-49.78	≤-41.20	45.42	≤54	PASS
				Peak	5725.000	-24.38	≤-21.20	70.82	≤68.2	PASS
				Peak	5727.740	-26.16	≤-21.20	69.04	≤68.2	PASS
				Peak	5735.000	-37.25	≤-21.20	57.95	≤68.2	PASS
11AC40SI SO	Ant	Low	5510	AV	5460.000	-51.97	≤-41.20	43.23	≤54	PASS
				AV	5469.950	-45.67	≤-41.20	49.53	≤54	PASS
				AV	5470.000	-45.7	≤-41.20	49.50	≤54	PASS
				Peak	5460.000	-42.67	≤-21.20	52.53	≤68.2	PASS
				Peak	5469.390	-30.12	≤-21.20	65.08	≤68.2	PASS
				Peak	5470.000	-32.31	≤-21.20	62.89	≤68.2	PASS
		High	5670	AV	5725.000	-52.9	≤-41.20	42.30	≤54	PASS
				AV	5725.100	-52.85	≤-41.20	42.35	≤54	PASS
				AV	5735.000	-53.58	≤-41.20	41.62	≤54	PASS
				Peak	5725.000	-44.25	≤-21.20	50.95	≤68.2	PASS
				Peak	5726.400	-41.87	≤-21.20	53.33	≤68.2	PASS
				Peak	5735.000	-45.89	≤-21.20	49.31	≤68.2	PASS
11AC80SI SO	Ant	Low	5530	AV	5460.000	-47.5	≤-41.20	47.70	≤54	PASS
				AV	5468.720	-45.8	≤-41.20	49.40	≤54	PASS
				AV	5470.000	-46.42	≤-41.20	48.78	≤54	PASS
				Peak	5460.000	-39.4	≤-21.20	55.80	≤68.2	PASS
				Peak	5468.720	-33.24	≤-21.20	61.96	≤68.2	PASS
				Peak	5470.000	-37	≤-21.20	58.20	≤68.2	PASS
		High	5610	AV	5725.000	-53.51	≤-41.20	41.69	≤54	PASS
				AV	5725.600	-52.74	≤-41.20	42.46	≤54	PASS
				AV	5735.000	-53.67	≤-41.20	41.53	≤54	PASS
				Peak	5725.000	-45.74	≤-21.20	49.46	≤68.2	PASS
				Peak	5731.000	-43.68	≤-21.20	51.52	≤68.2	PASS
				Peak	5735.000	-45.39	≤-21.20	49.81	≤68.2	PASS

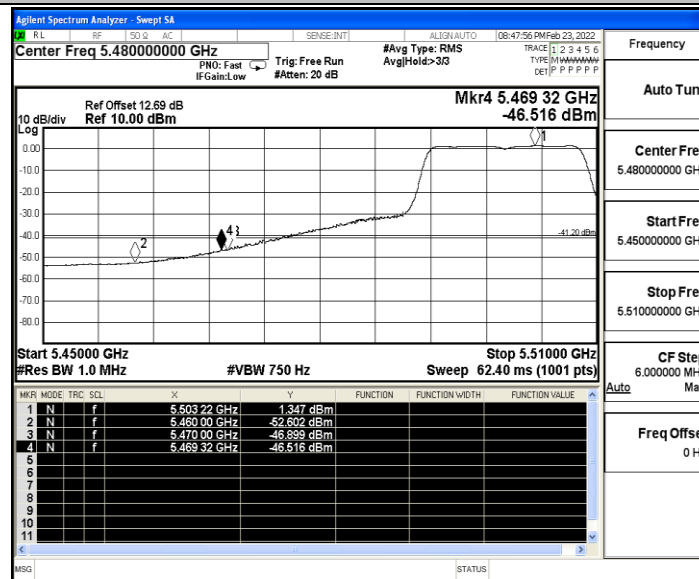
Note:

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.

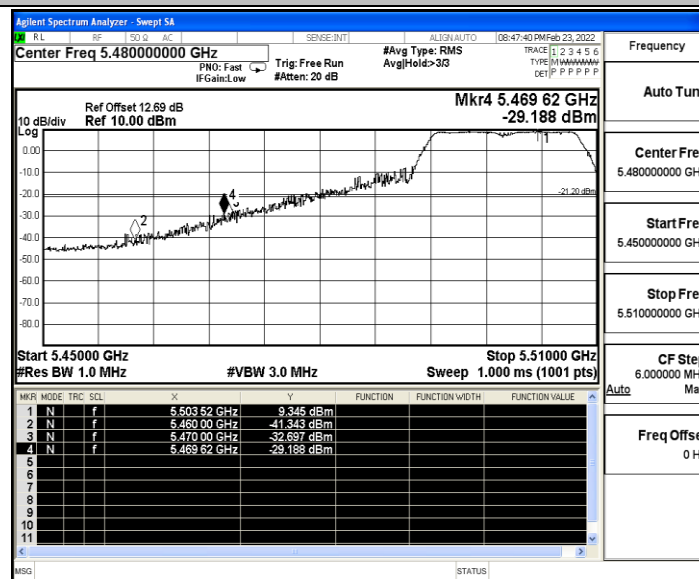


Test Graphs

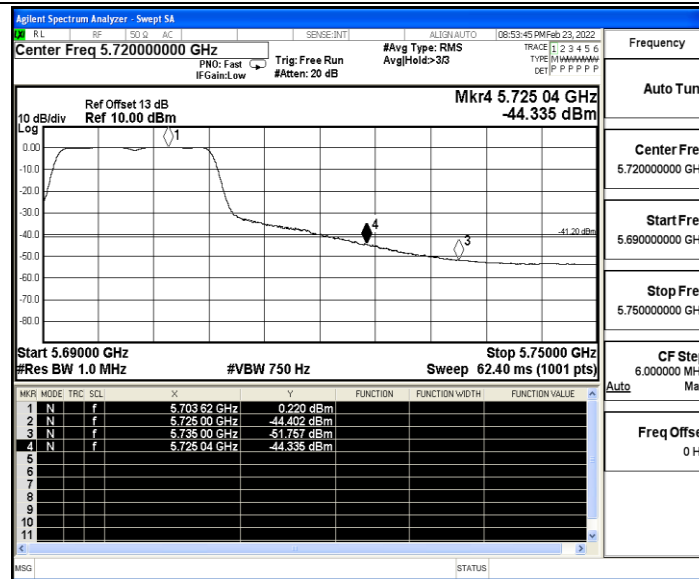
11A_Ant_Low_5500_AV



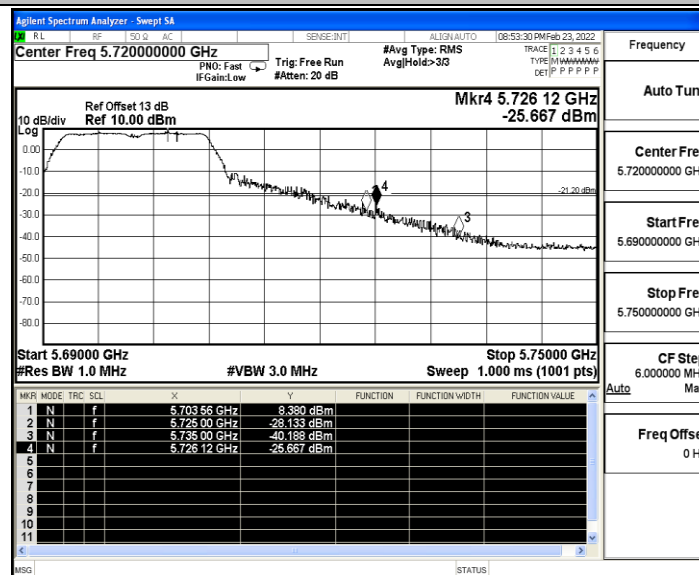
11A_Ant_Low_5500_Peak



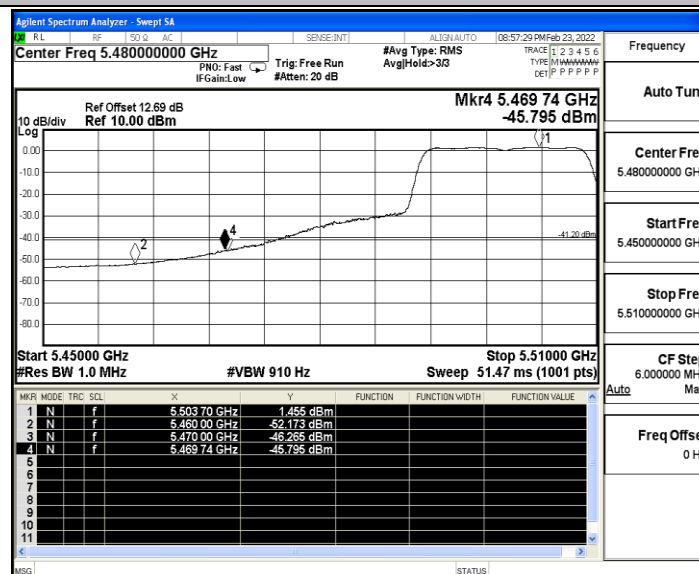
11A_Ant_High_5700_AV



11A_Ant_High_5700_Peak

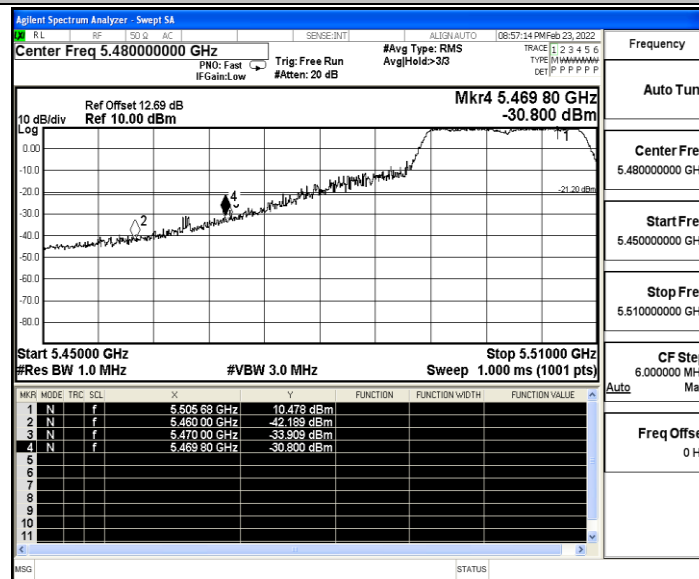


11N20SISO_Ant_Low_5500_AV

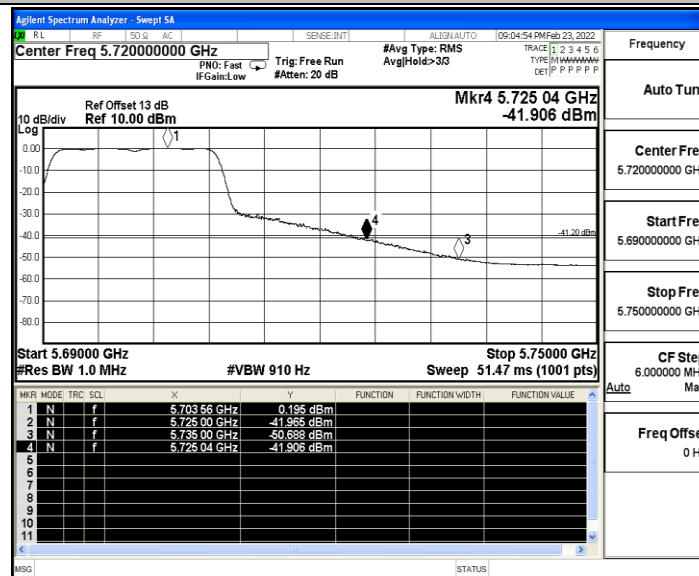




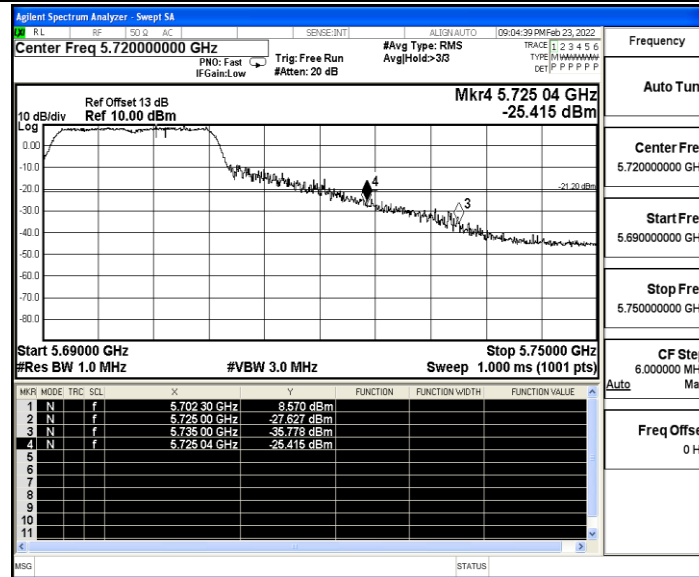
11N20SISO_Ant_Low_5500_Peak



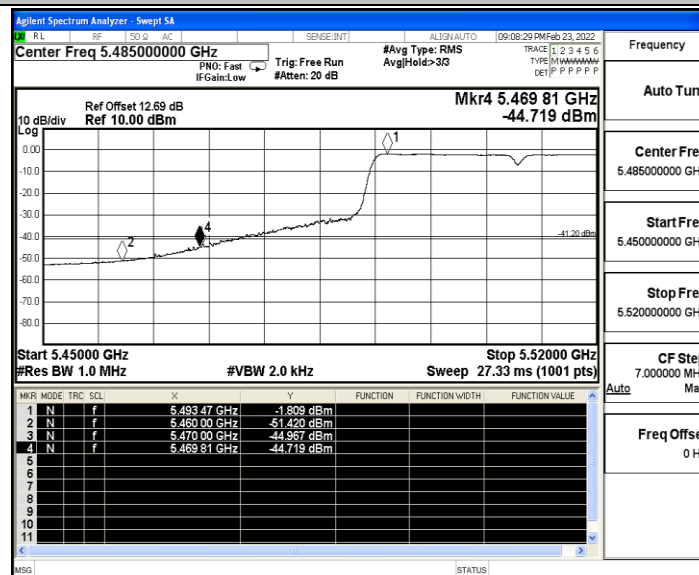
11N20SISO_Ant_High_5700_AV



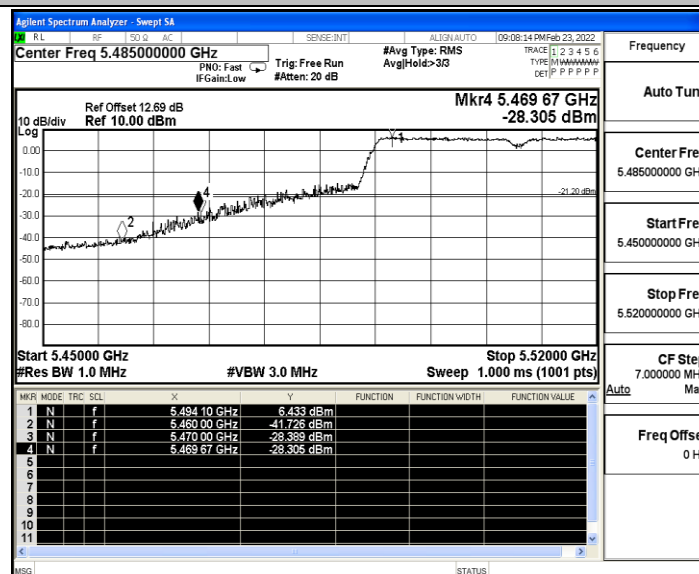
11N20SISO_Ant_High_5700_Peak



11N40SISO_Ant_Low_5510_AV

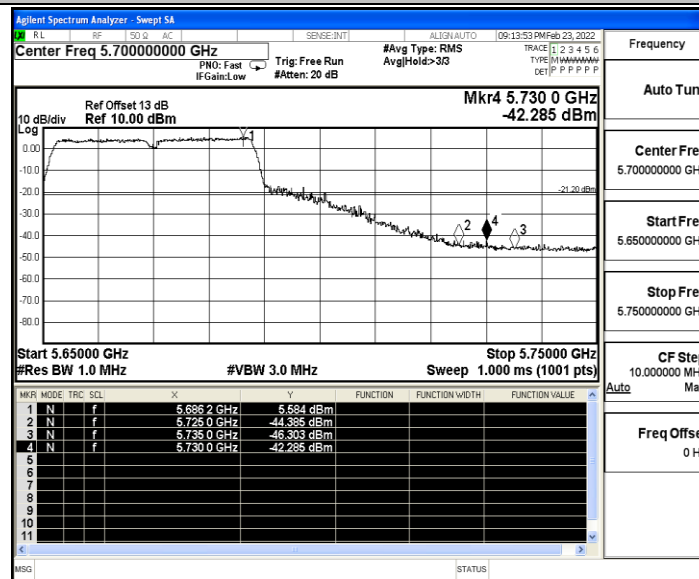


11N40SISO_Ant_Low_5510_Peak

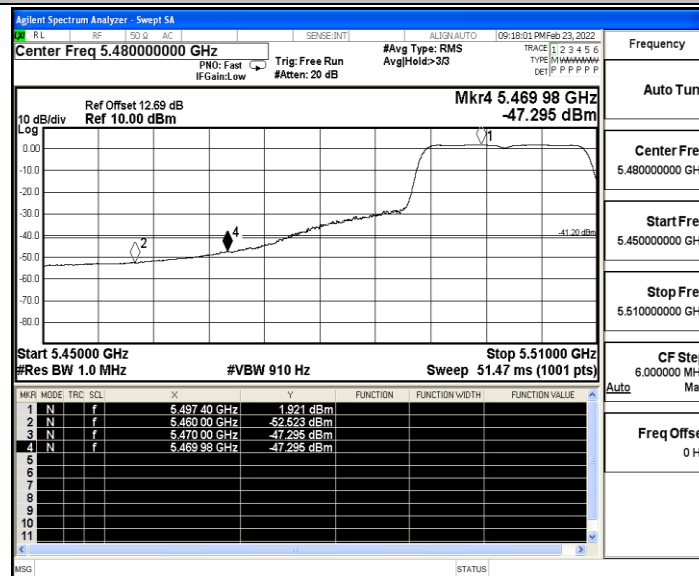




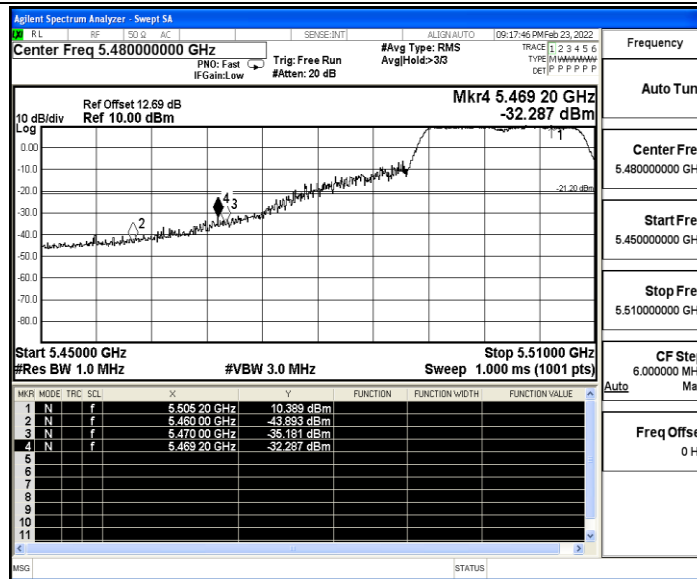
11N40SISO_Ant_High_5670_Peak



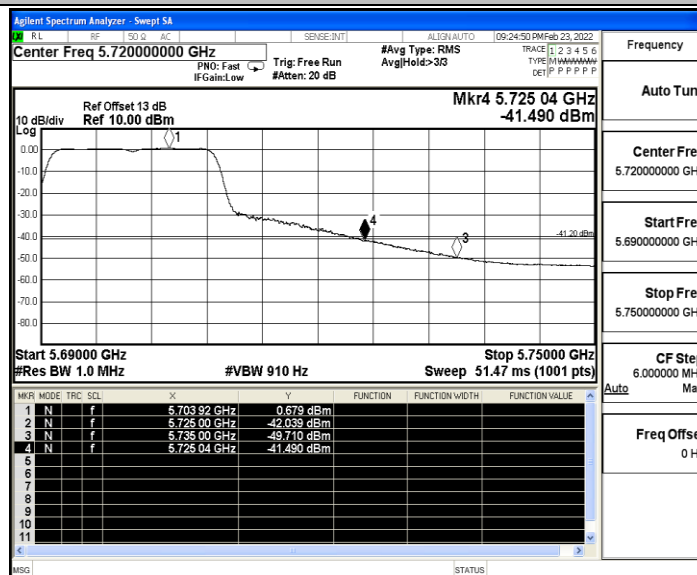
11AC20SISO_Ant_Low_5500_AV



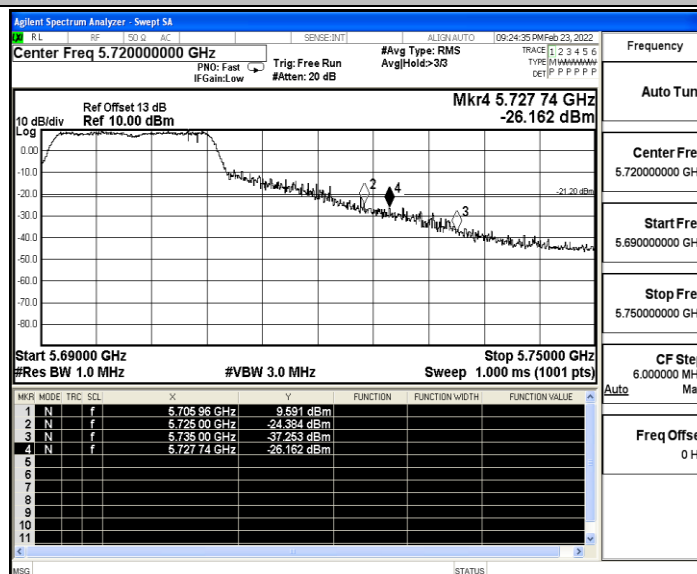
11AC20SISO_Ant_Low_5500_Peak



11AC20SISO_Ant_High_5700_AV

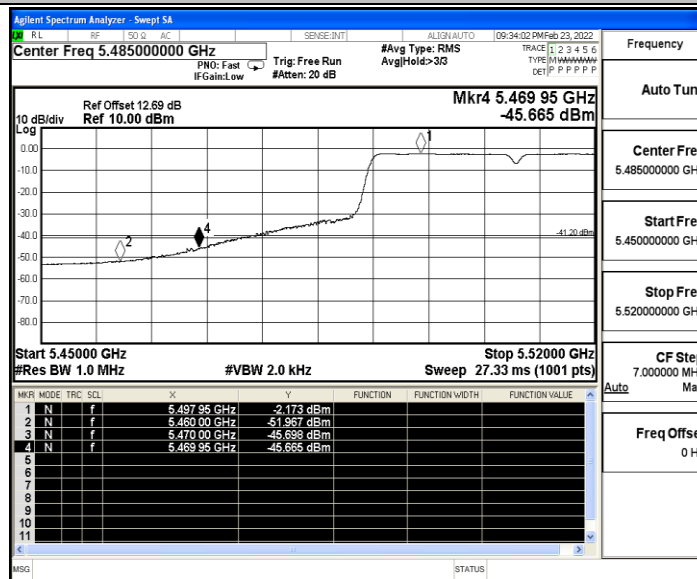


11AC20SISO_Ant_High_5700_Peak

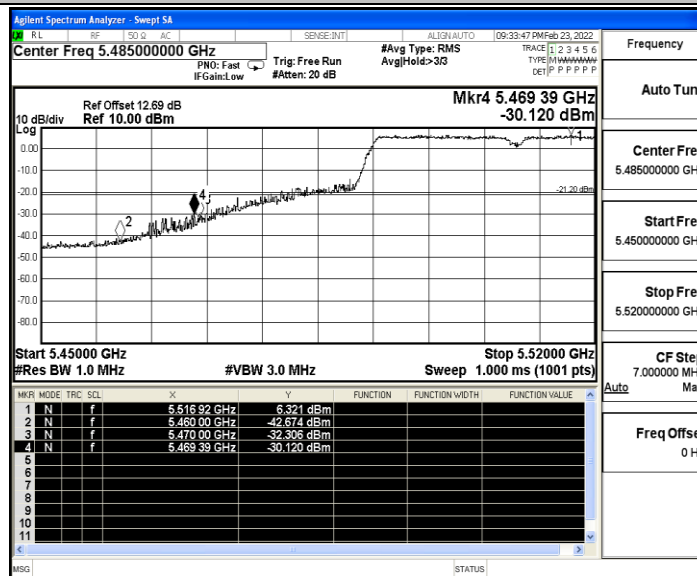




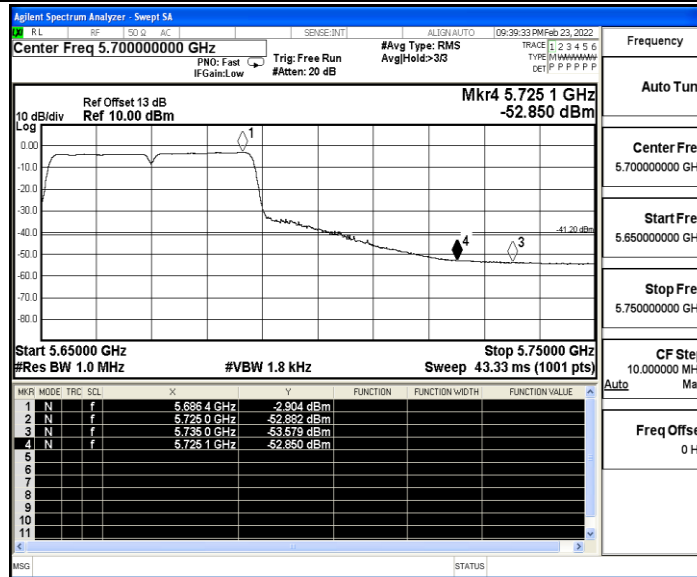
11AC40SISO_Ant_Low_5510_AV



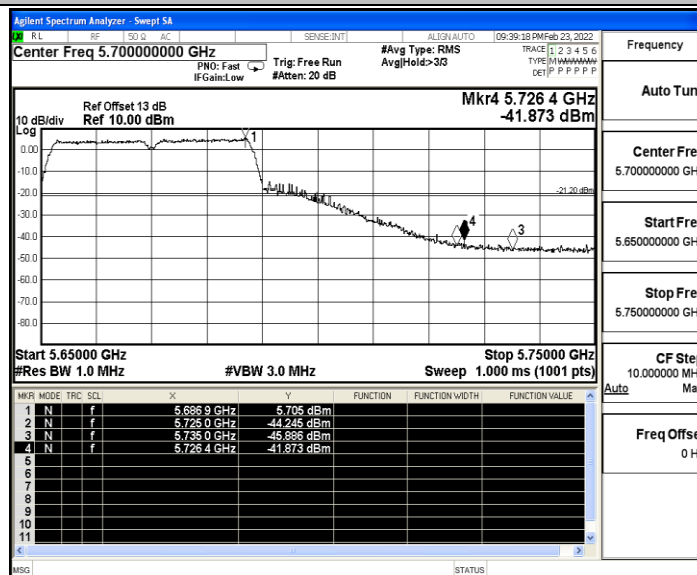
11AC40SISO_Ant_Low_5510_Peak



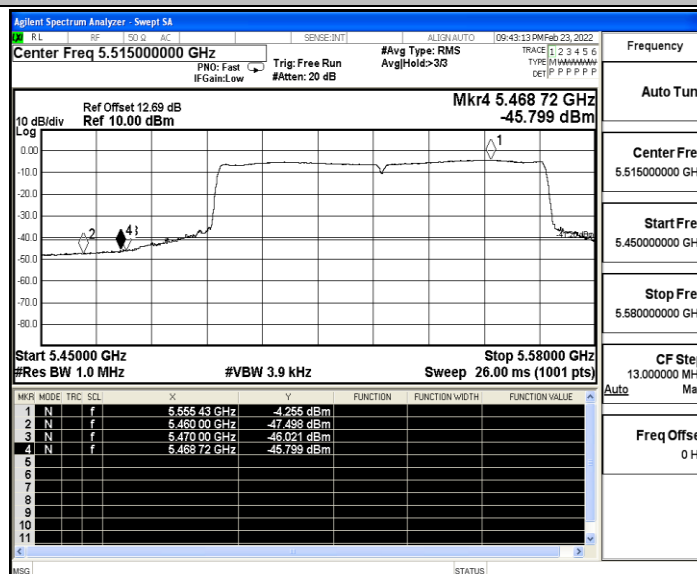
11AC40SISO_Ant_High_5670_AV



11AC40SISO_Ant_High_5670_Peak

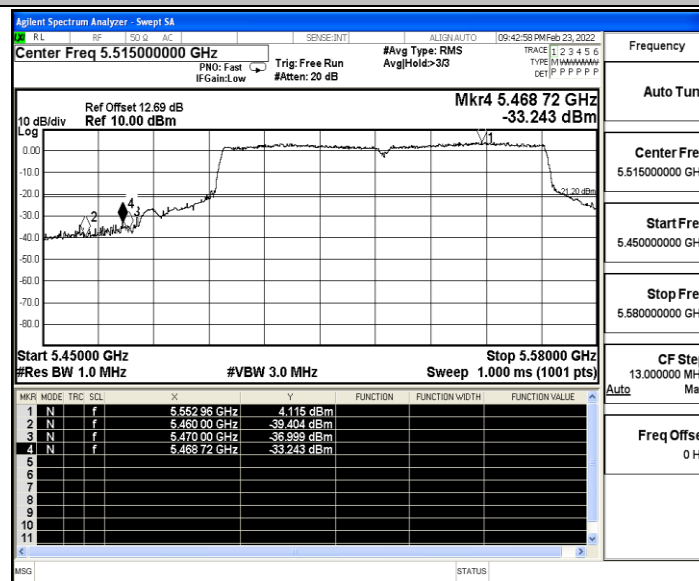


11AC80SISO_Ant_Low_5530_AV

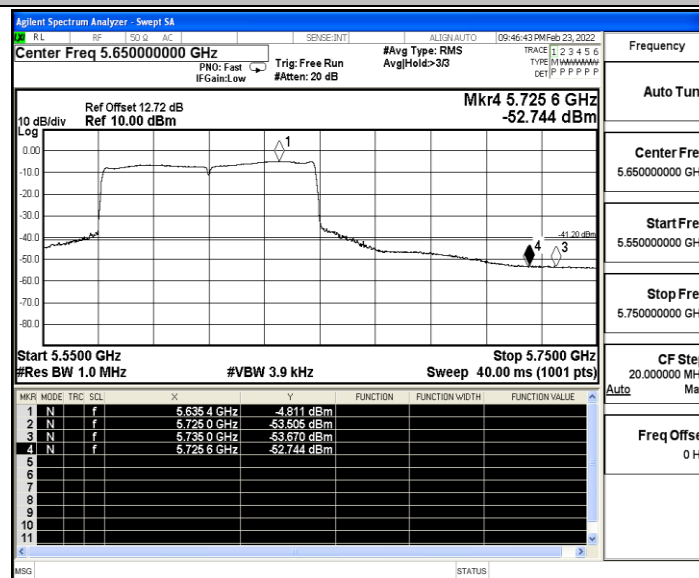




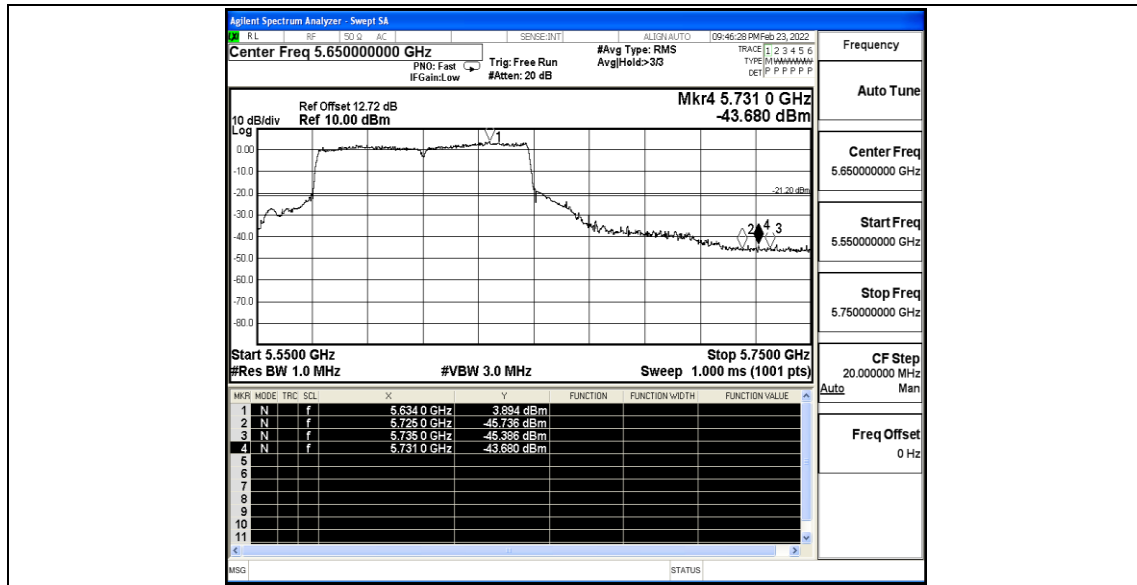
11AC80SISO_Ant_Low_5530_Peak



11AC80SISO_Ant_High_5610_AV



11AC80SISO_Ant_High_5610_Peak





F.5 Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant	5500	1.54	1.54	100	---	---
		5580	1.54	1.54	100	---	---
		5700	1.54	1.54	100	---	---
11N20SISO	Ant	5500	1.33	1.33	100	---	---
		5580	1.32	1.32	100	---	---
		5700	1.32	1.32	100	---	---
11N40SISO	Ant	5510	0.73	0.73	100	---	---
		5550	0.73	0.73	100	---	---
		5670	0.73	0.73	100	---	---
11AC20SISO	Ant	5500	1.33	1.33	100	---	---
		5580	1.33	1.33	100	---	---
		5700	1.33	1.33	100	---	---
11AC40SISO	Ant	5510	0.73	0.73	100	---	---
		5550	0.74	0.74	100	---	---
		5670	0.74	0.74	100	---	---
11AC80SISO	Ant	5530	0.44	0.44	100	---	---
		5610	0.44	0.44	100	---	---