



Appendix F

RF Test Data for 5.5G 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



F.1 26dB Bandwidth

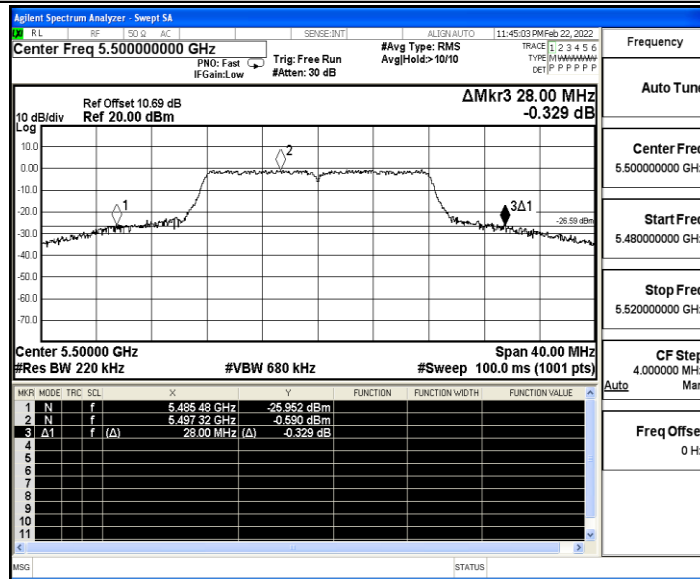
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant	5500	28.000	5485.480	5513.480	---	---
		5580	28.160	5565.520	5593.680	---	---
		5700	25.440	5687.880	5713.320	---	---
11N20SISO	Ant	5500	30.200	5485.480	5515.680	---	---
		5580	31.400	5564.360	5595.760	---	---
		5700	29.600	5685.880	5715.480	---	---
11N40SISO	Ant	5510	48.000	5488.000	5536.000	---	---
		5550	49.680	5527.040	5576.720	---	---
		5670	46.880	5647.760	5694.640	---	---
11AC20SISO	Ant	5500	32.680	5483.800	5516.480	---	---
		5580	33.600	5563.640	5597.240	---	---
		5700	31.520	5685.520	5717.040	---	---
11AC40SISO	Ant	5510	48.000	5486.960	5534.960	---	---
		5550	47.920	5527.520	5575.440	---	---
		5670	48.800	5647.520	5696.320	---	---
11AC80SISO	Ant	5530	85.920	5487.600	5573.520	---	---
		5610	83.840	5569.680	5653.520	---	---

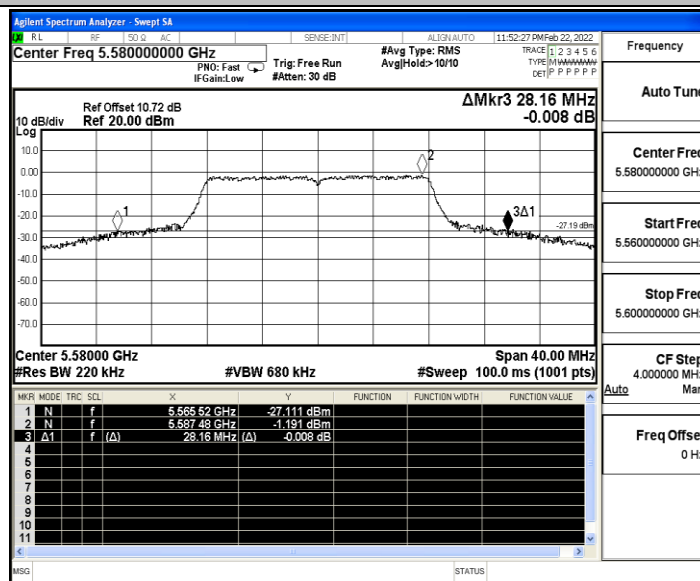


Test Graphs

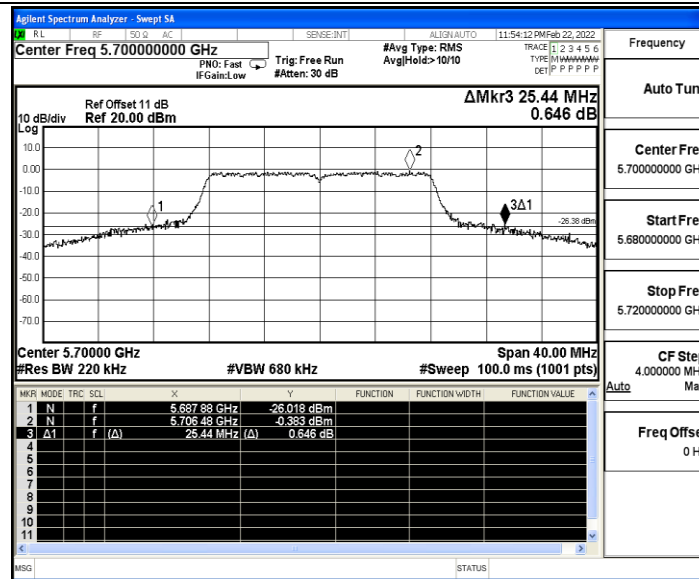
11A_Ant_5500



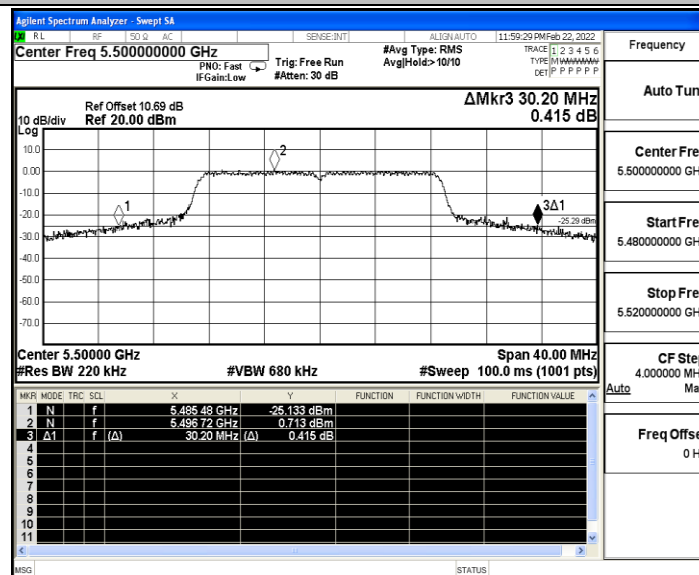
11A_Ant_5580



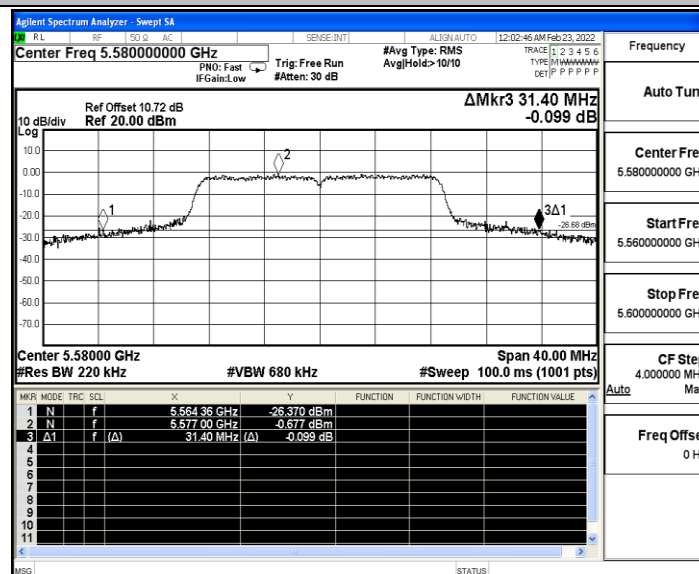
11A_Ant_5700



11N20SISO_Ant_5500

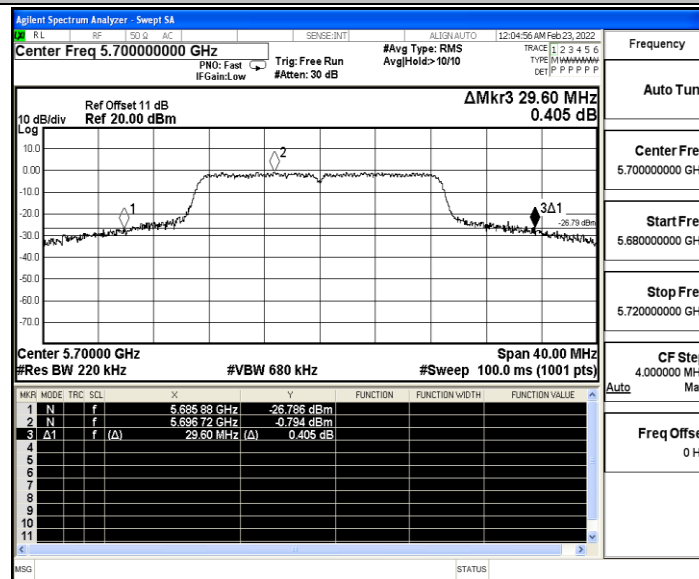


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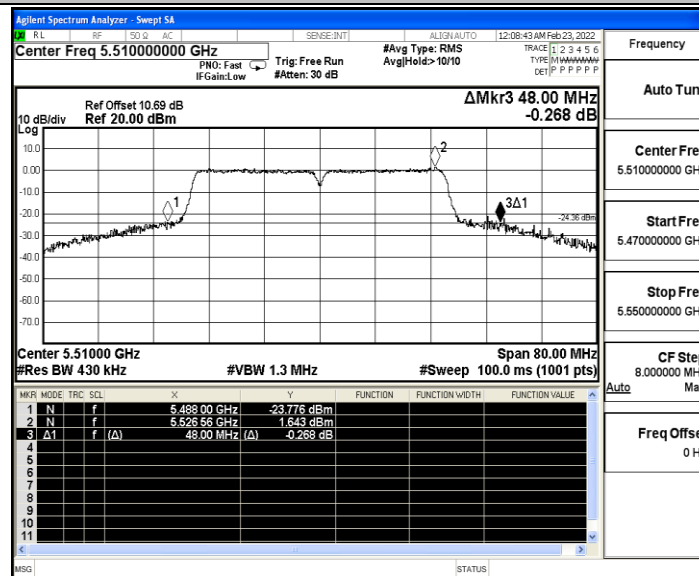




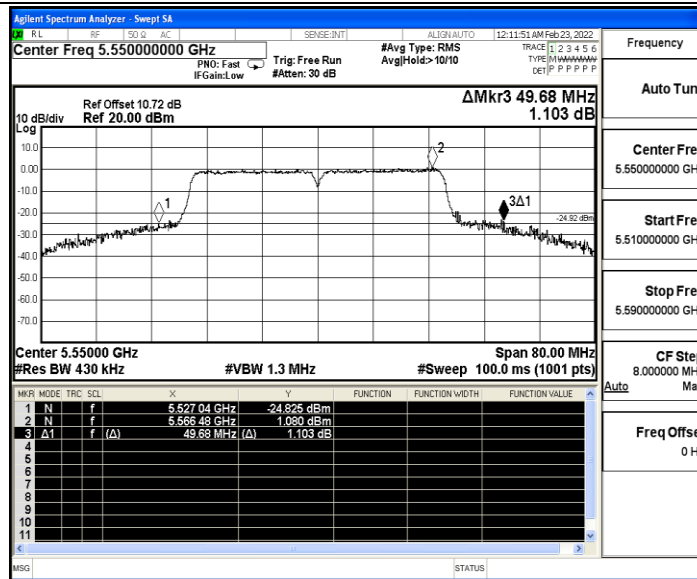
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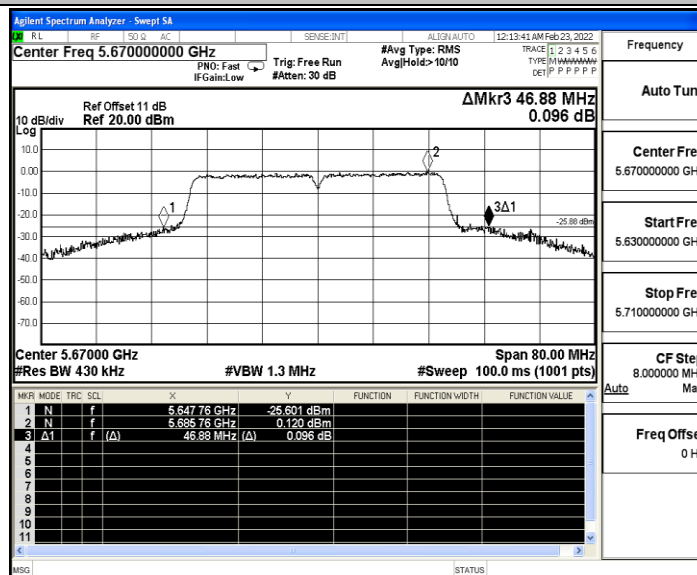
11N40SISO_Ant_5510



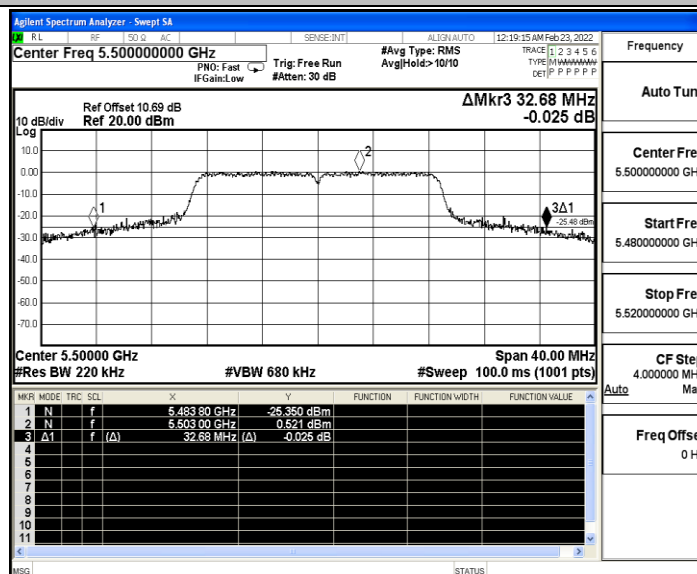
11N40SISO_Ant_5550



11N40SISO_Ant_5670

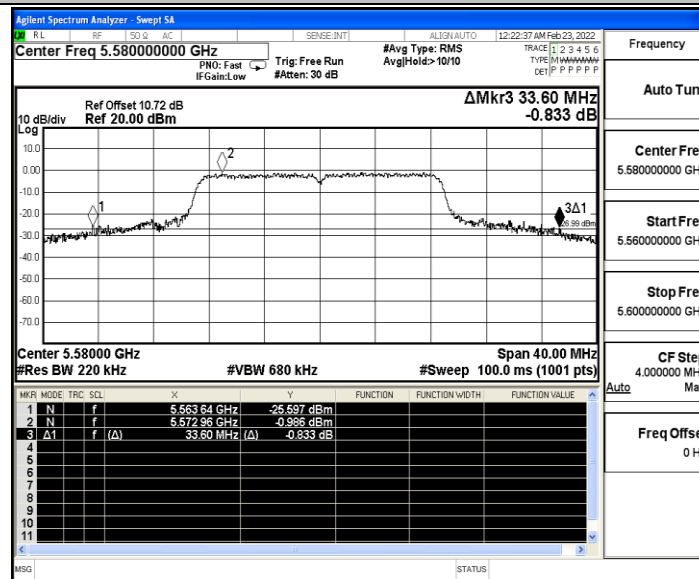


11AC20SISO_Ant_5500

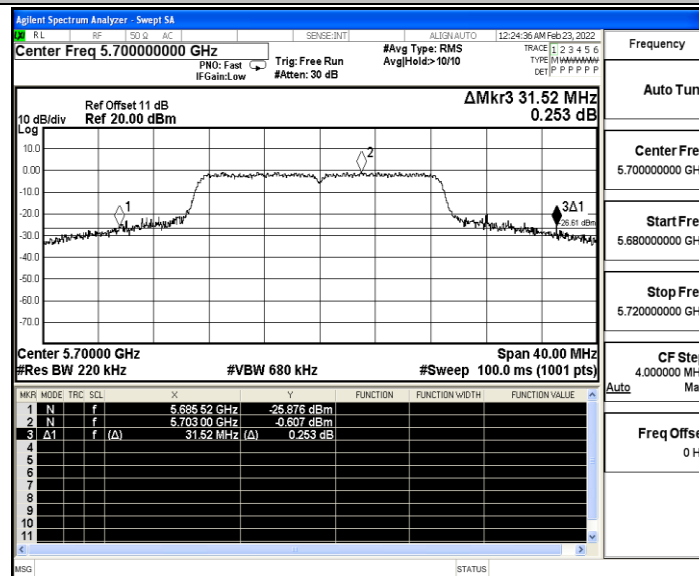




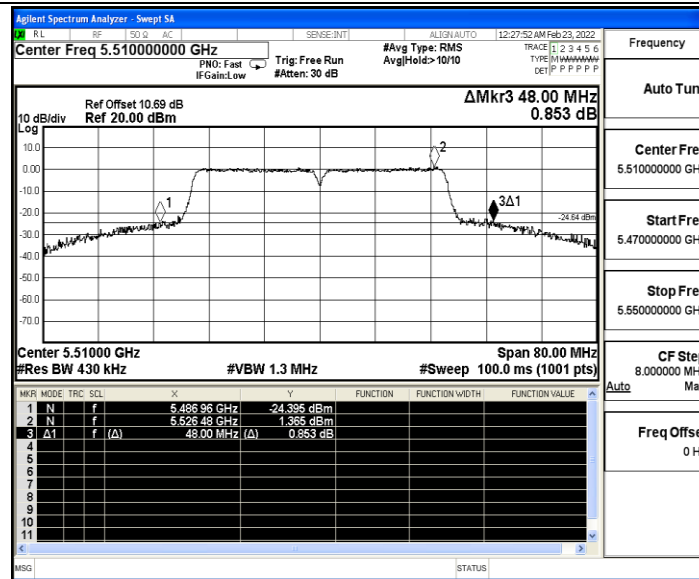
11AC20SISO_Ant_5580



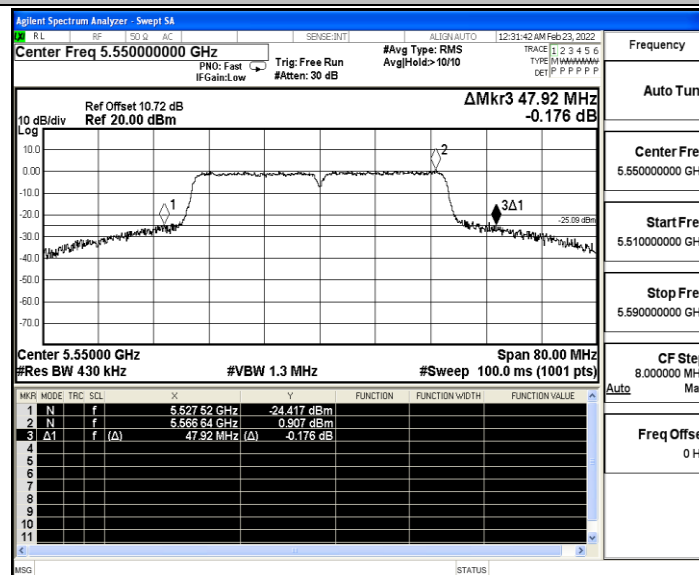
11AC20SISO_Ant_5700



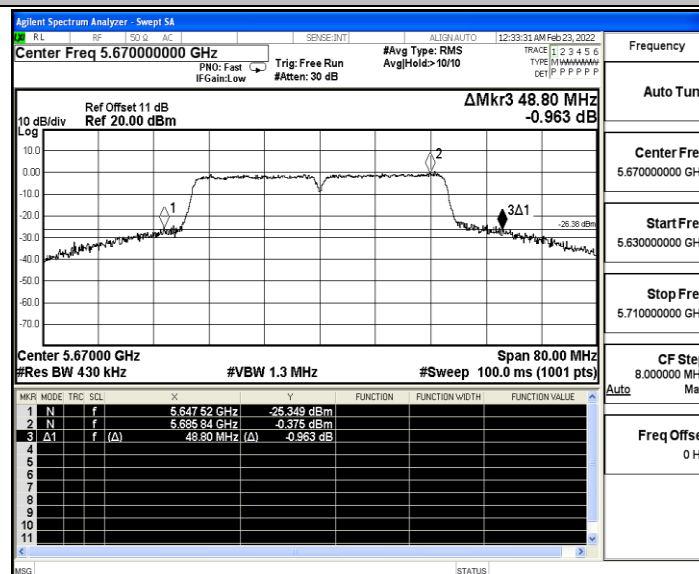
11AC40SISO_Ant_5510



11AC40SISO_Ant_5550

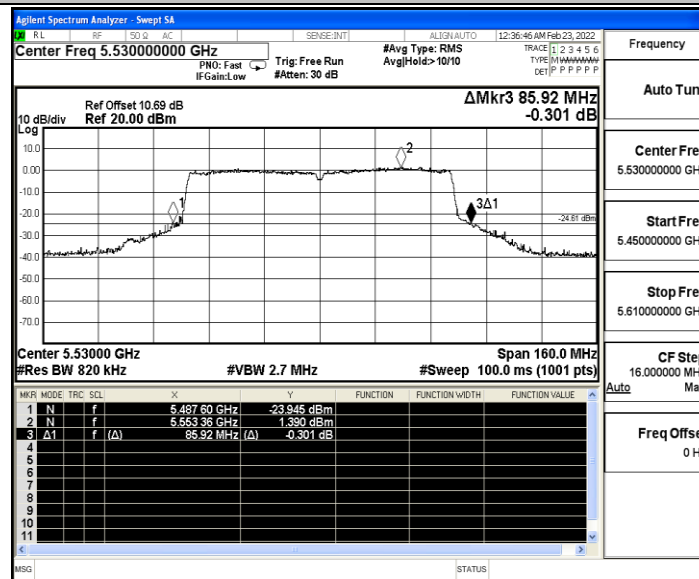


11AC40SISO_Ant_5670

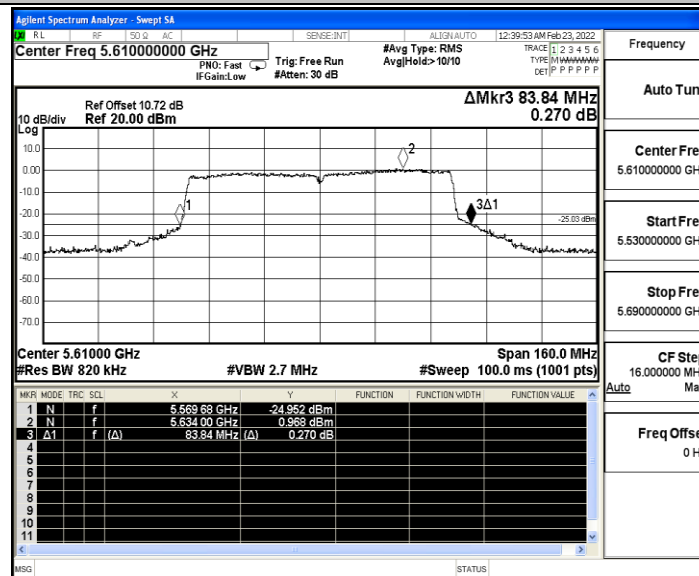




11AC80SISO_Ant_5530



11AC80SISO_Ant_5610





F.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant	5500	9.20	≤23.98	PASS
		5580	8.80	≤23.98	PASS
		5700	9.10	≤23.98	PASS
11N20SISO	Ant	5500	10.53	≤23.98	PASS
		5580	9.22	≤23.98	PASS
		5700	9.52	≤23.98	PASS
11N40SISO	Ant	5510	10.17	≤23.98	PASS
		5550	9.63	≤23.98	PASS
		5670	8.96	≤23.98	PASS
11AC20SISO	Ant	5500	10.55	≤23.98	PASS
		5580	9.22	≤23.98	PASS
		5700	9.48	≤23.98	PASS
11AC40SISO	Ant	5510	10.10	≤23.98	PASS
		5550	9.61	≤23.98	PASS
		5670	9.02	≤23.98	PASS
11AC80SISO	Ant	5530	10.18	≤23.98	PASS
		5610	9.35	≤23.98	PASS

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



F.3 Maximum power spectral density

Test Result

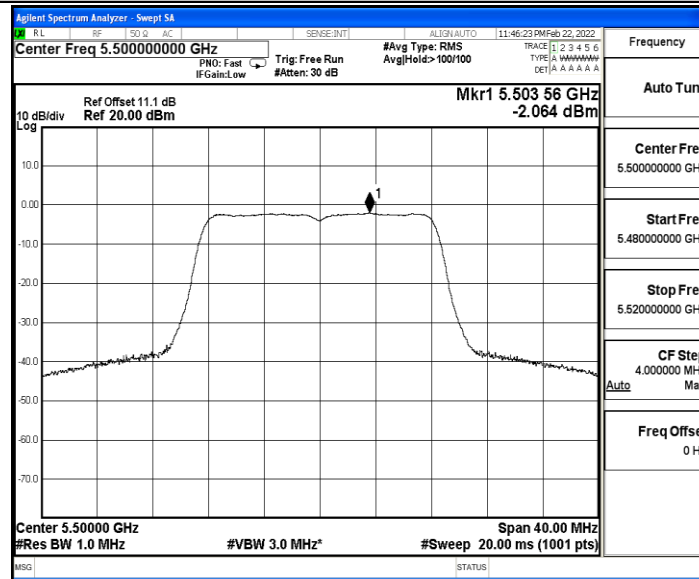
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant	5500	-2.07	≤11.00	PASS
		5580	-2.54	≤11.00	PASS
		5700	-2.32	≤11.00	PASS
11N20SISO	Ant	5500	-1.03	≤11.00	PASS
		5580	-2.28	≤11.00	PASS
		5700	-2.03	≤11.00	PASS
11N40SISO	Ant	5510	-3.94	≤11.00	PASS
		5550	-4.63	≤11.00	PASS
		5670	-5.42	≤11.00	PASS
11AC20SISO	Ant	5500	-1.05	≤11.00	PASS
		5580	-2.25	≤11.00	PASS
		5700	-2.25	≤11.00	PASS
11AC40SISO	Ant	5510	-4.27	≤11.00	PASS
		5550	-4.73	≤11.00	PASS
		5670	-5.36	≤11.00	PASS
11AC80SISO	Ant	5530	-6.78	≤11.00	PASS
		5610	-7.19	≤11.00	PASS

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

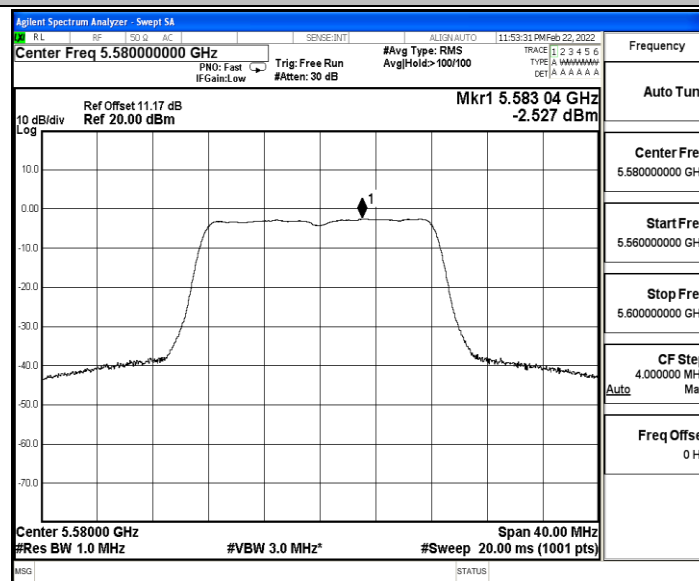


Test Graphs

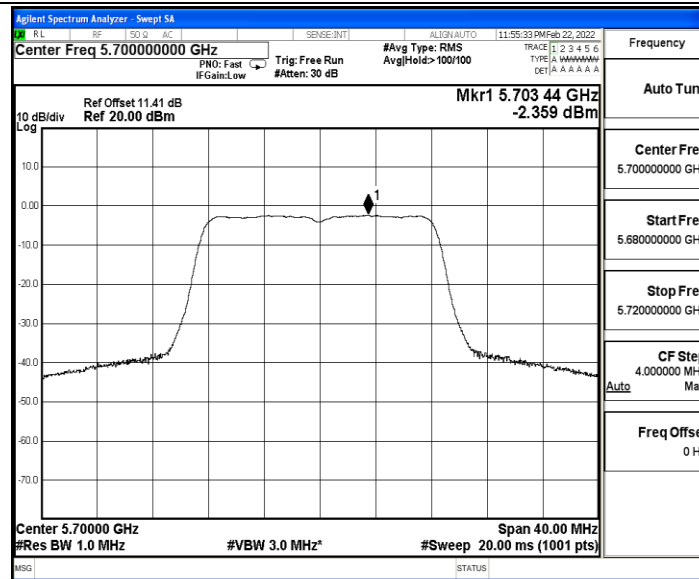
11A_Ant_5500



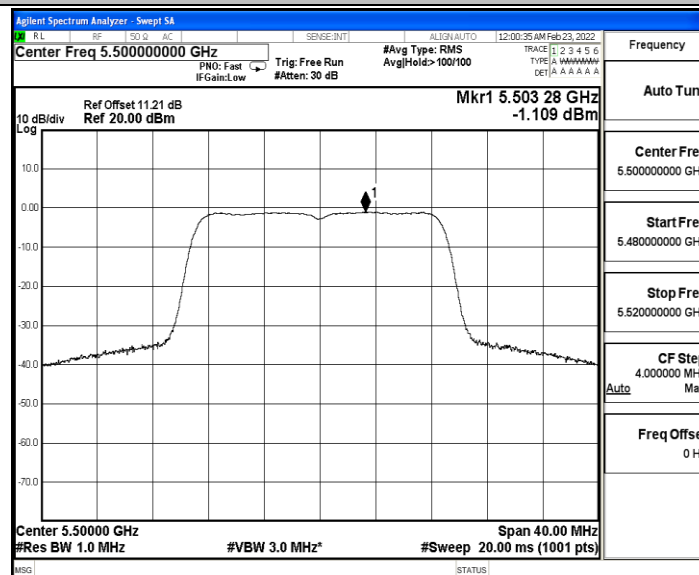
11A_Ant_5580



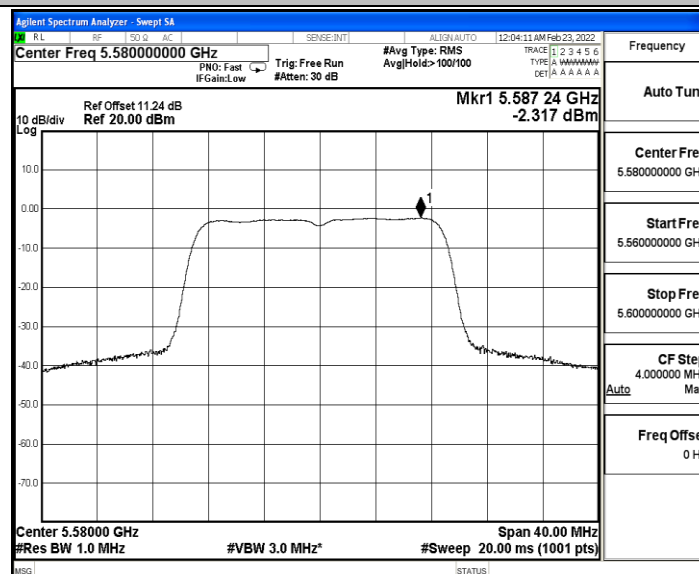
11A_Ant_5700



11N20SISO_Ant_5500

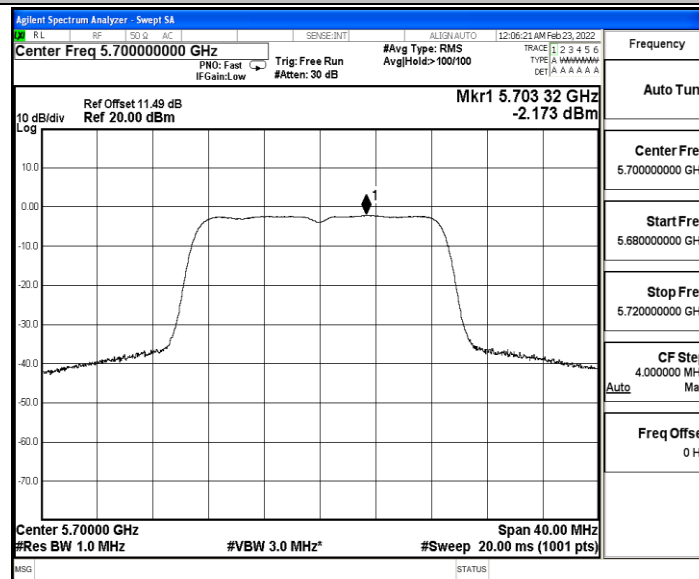


11N20SISO_Ant_5580

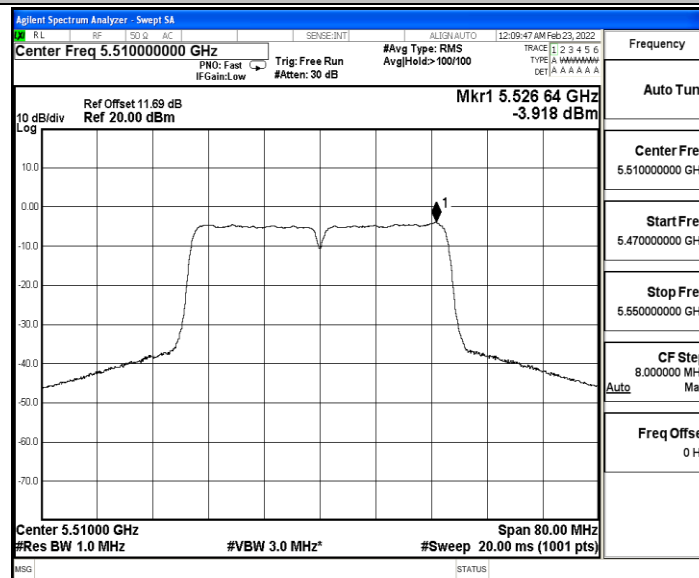




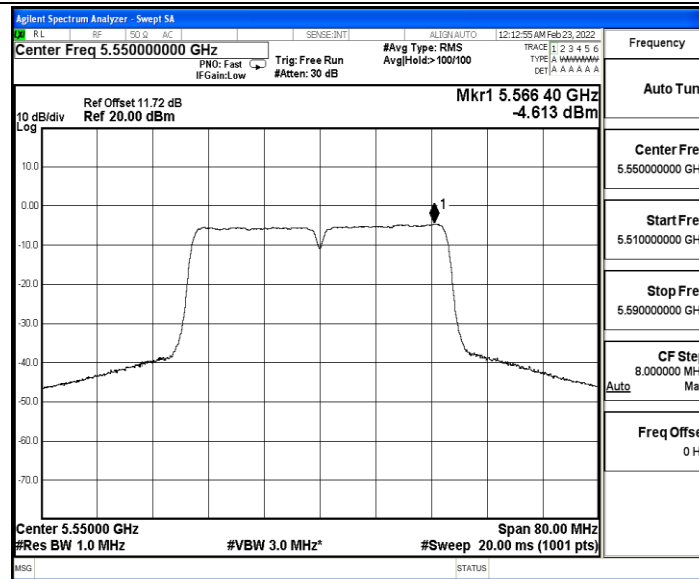
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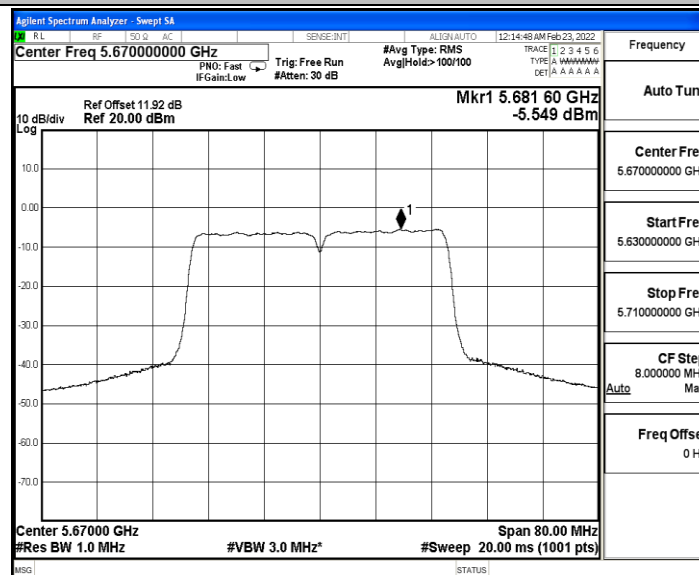
11N40SISO_Ant_5510



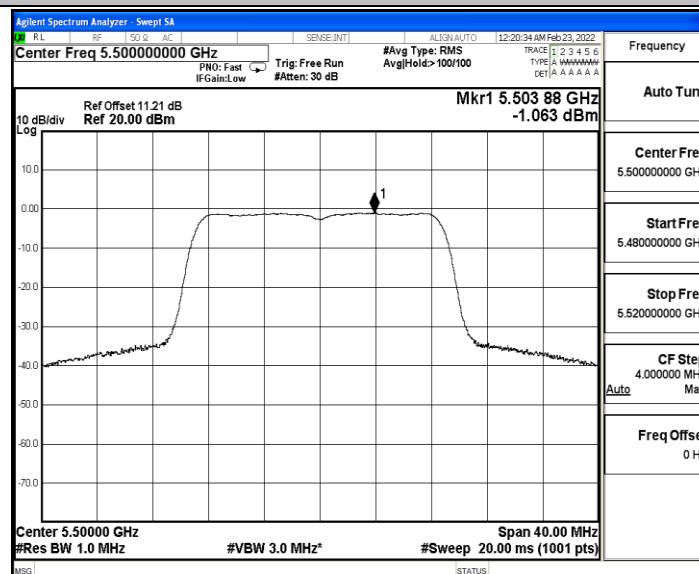
11N40SISO_Ant_5550



11N40SISO_Ant_5670

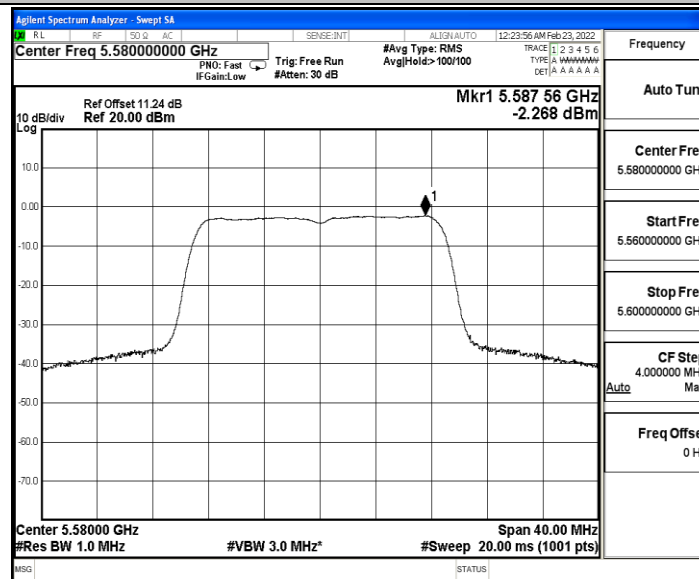


11AC20SISO_Ant_5500

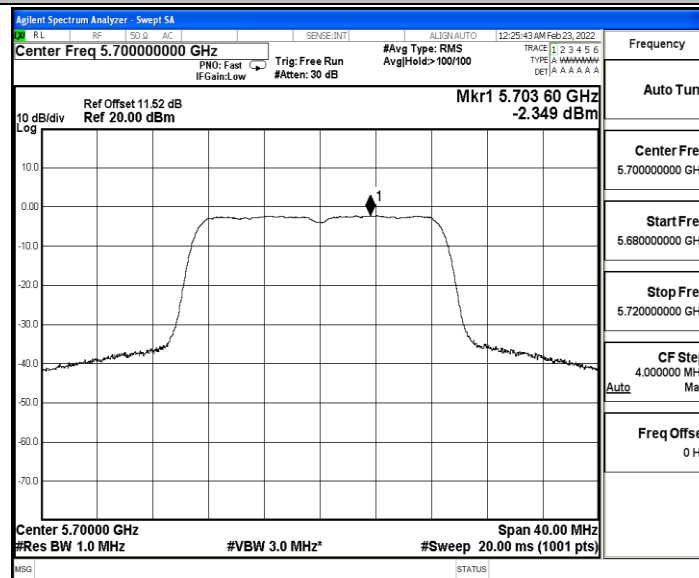




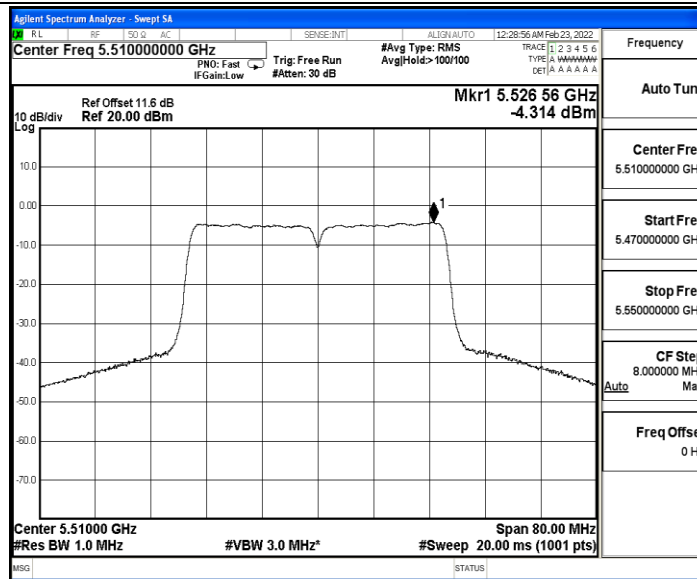
11AC20SISO_Ant_5580



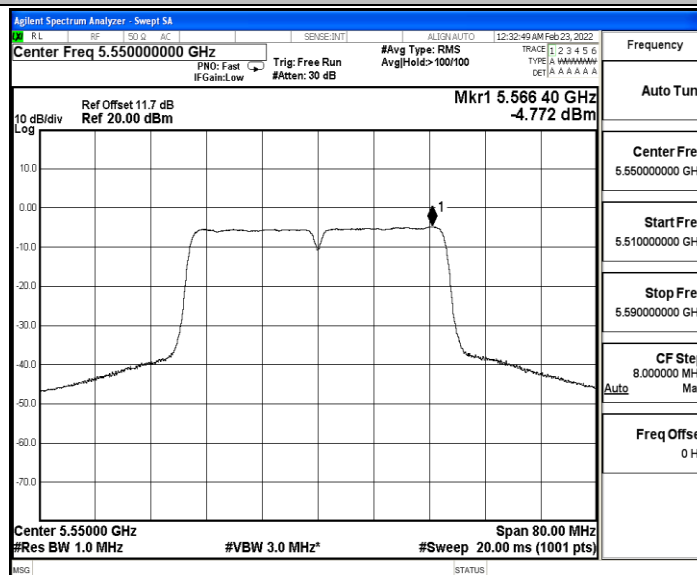
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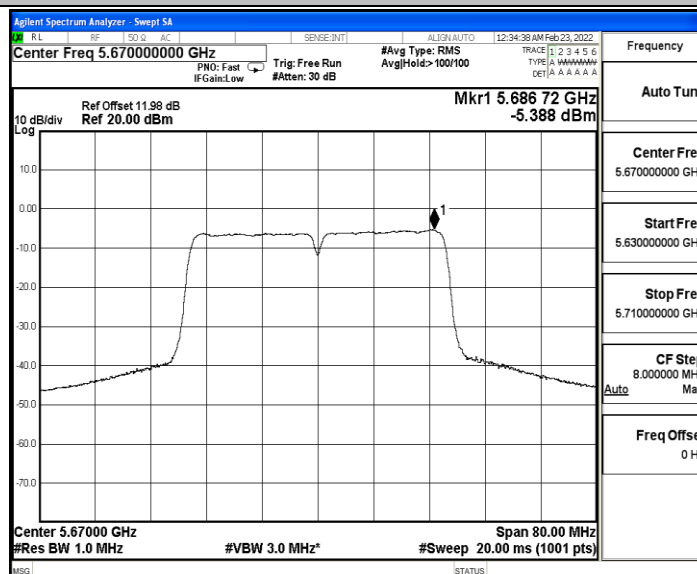
11AC40SISO_Ant_5510



11AC40SISO_Ant_5550

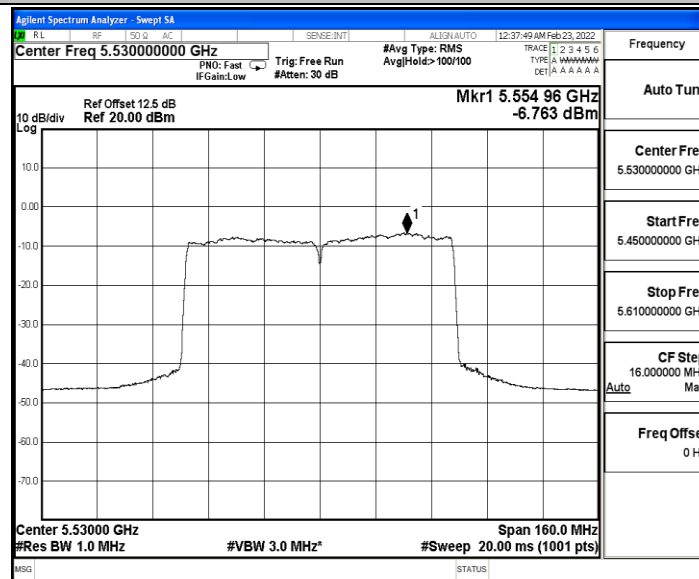


11AC40SISO_Ant_5670

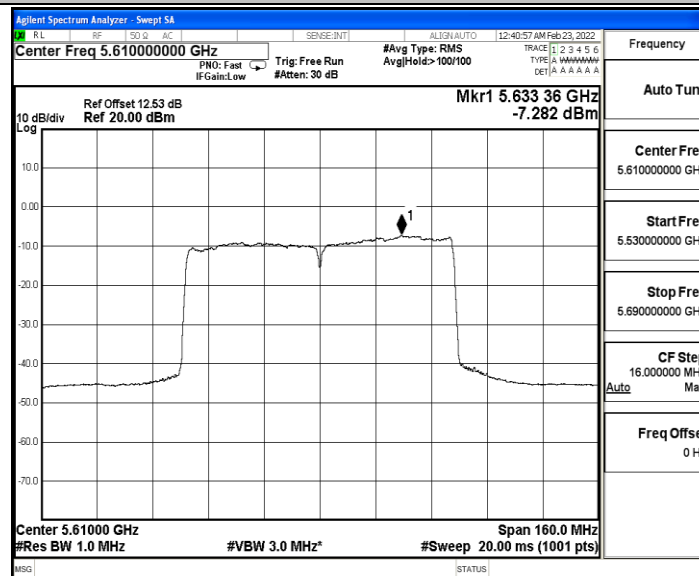




11AC80SISO_Ant_5530



11AC80SISO_Ant_5610





F.4 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant	Low	5500	AV	5460.000	-53.6	41.60	≤54	PASS
				AV	5469.860	-49.15	46.05	≤54	PASS
				AV	5470.000	-49.75	45.45	≤54	PASS
				Peak	5460.000	-45.33	49.87	≤74	PASS
				Peak	5469.980	-31.85	63.35	≤74	PASS
				Peak	5470.000	-31.85	63.35	≤74	PASS
		High	5700	AV	5725.000	-45.75	49.45	≤54	PASS
				AV	5725.100	-45.55	49.65	≤54	PASS
				AV	5735.000	-52.33	42.87	≤54	PASS
				Peak	5725.000	-31.03	64.17	≤74	PASS
				Peak	5726.120	-26.87	68.33	≤74	PASS
				Peak	5735.000	-41.42	53.78	≤74	PASS
11N20SIS O	Ant	Low	5500	AV	5460.000	-52.63	42.57	≤54	PASS
				AV	5469.980	-44.68	50.52	≤54	PASS
				AV	5470.000	-44.68	50.52	≤54	PASS
				Peak	5460.000	-43.22	51.98	≤74	PASS
				Peak	5465.960	-29.18	66.02	≤74	PASS
				Peak	5470.000	-30.64	64.56	≤74	PASS
		High	5700	AV	5725.000	-43.11	52.09	≤54	PASS
				AV	5725.220	-43.07	52.13	≤54	PASS
				AV	5735.000	-51.23	43.97	≤54	PASS
				Peak	5725.000	-29.23	65.97	≤74	PASS
				Peak	5725.640	-26.35	68.85	≤74	PASS
				Peak	5735.000	-35.49	59.71	≤74	PASS
11N40SIS O	Ant	Low	5510	AV	5460.000	-51.42	43.78	≤54	PASS
				AV	5469.180	-44.44	50.76	≤54	PASS
				AV	5470.000	-44.77	50.43	≤54	PASS
				Peak	5460.000	-41.74	53.46	≤74	PASS
				Peak	5469.180	-25.68	69.52	≤74	PASS
				Peak	5470.000	-32.36	62.84	≤74	PASS
		High	5670	AV	5725.000	-53.03	42.17	≤54	PASS
				AV	5725.500	-52.91	42.29	≤54	PASS
				AV	5735.000	-53.95	41.25	≤54	PASS
				Peak	5725.000	-44.63	50.57	≤74	PASS
				Peak	5725.500	-43.26	51.94	≤74	PASS
				Peak	5735.000	-45.33	49.87	≤74	PASS



11AC20SI SO	Ant	Low	5500	AV	5460.000	-52.52	42.68	≤54	PASS
				AV	5469.440	-45.1	50.10	≤54	PASS
				AV	5470.000	-45.47	49.73	≤54	PASS
				Peak	5460.000	-42.53	52.67	≤74	PASS
				Peak	5468.960	-25.8	69.40	≤74	PASS
				Peak	5470.000	-31.2	64.00	≤74	PASS
		High	5700	AV	5725.000	-44.49	50.71	≤54	PASS
				AV	5725.280	-44.19	51.01	≤54	PASS
				AV	5735.000	-52.22	42.98	≤54	PASS
				Peak	5725.000	-29.62	65.58	≤74	PASS
				Peak	5725.220	-27.71	67.49	≤74	PASS
				Peak	5735.000	-40.72	54.48	≤74	PASS
11AC40SI SO	Ant	Low	5510	AV	5460.000	-50.7	44.50	≤54	PASS
				AV	5469.950	-44.95	50.25	≤54	PASS
				AV	5470.000	-44.51	50.69	≤54	PASS
				Peak	5460.000	-41.79	53.41	≤74	PASS
				Peak	5469.670	-29.09	66.11	≤74	PASS
				Peak	5470.000	-31.45	63.75	≤74	PASS
		High	5670	AV	5725.000	-52.78	42.42	≤54	PASS
				AV	5735.000	-53.65	41.55	≤54	PASS
				Peak	5725.000	-43.19	52.01	≤74	PASS
				Peak	5728.900	-41.98	53.22	≤74	PASS
				Peak	5735.000	-45.24	49.96	≤74	PASS
11AC80SI SO	Ant	Low	5530	AV	5460.000	-47.74	47.46	≤54	PASS
				AV	5465.600	-46.73	48.47	≤54	PASS
				AV	5470.000	-47	48.20	≤54	PASS
				Peak	5460.000	-37.6	57.60	≤74	PASS
				Peak	5464.950	-33.11	62.09	≤74	PASS
				Peak	5470.000	-36.79	58.41	≤74	PASS
		High	5610	AV	5725.000	-53.32	41.88	≤54	PASS
				AV	5726.200	-53.05	42.15	≤54	PASS
				AV	5735.000	-53.85	41.35	≤54	PASS
				Peak	5725.000	-45.9	49.30	≤74	PASS
				Peak	5725.400	-44.1	51.10	≤74	PASS
				Peak	5735.000	-46.27	48.93	≤74	PASS

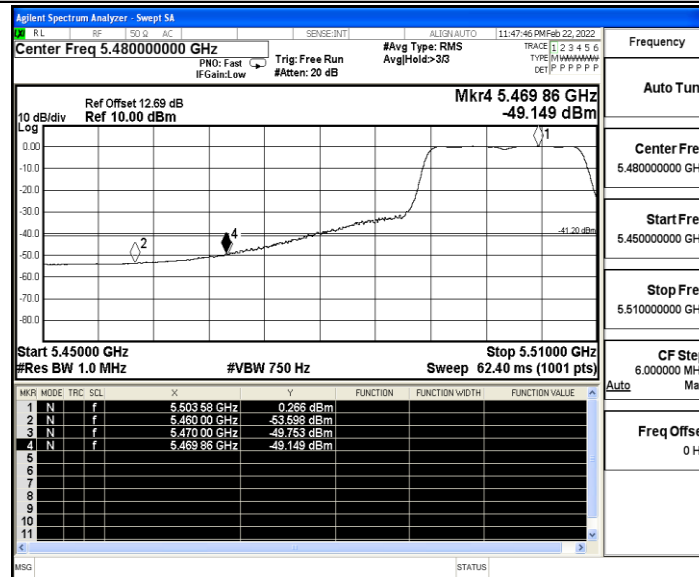
Note:

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.

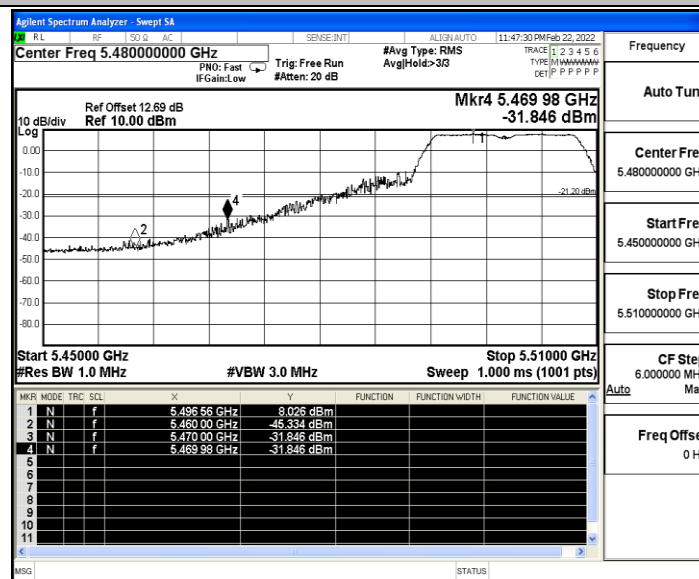


Test Graphs

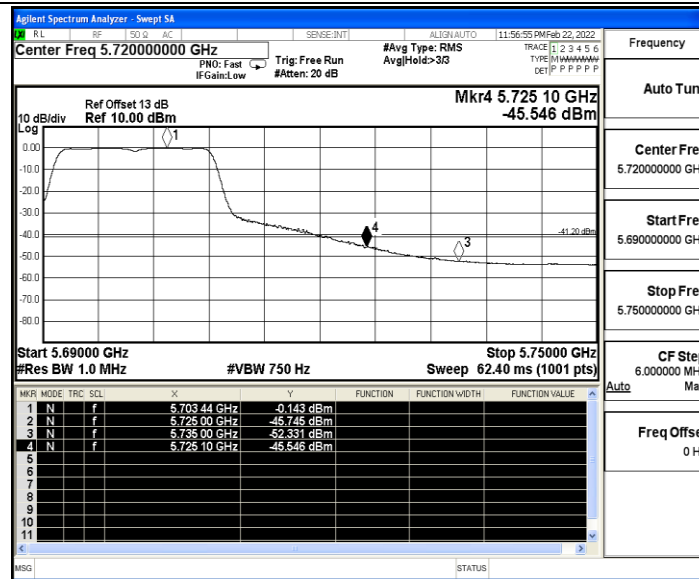
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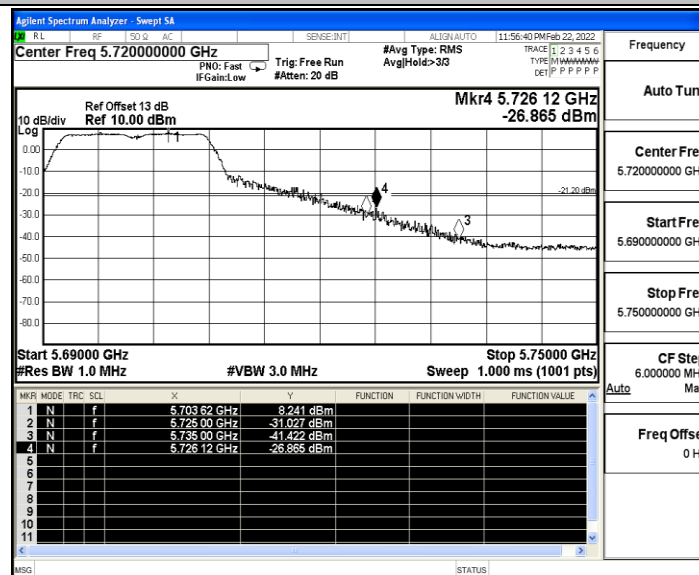
11A_Ant_Low_5500_Peak



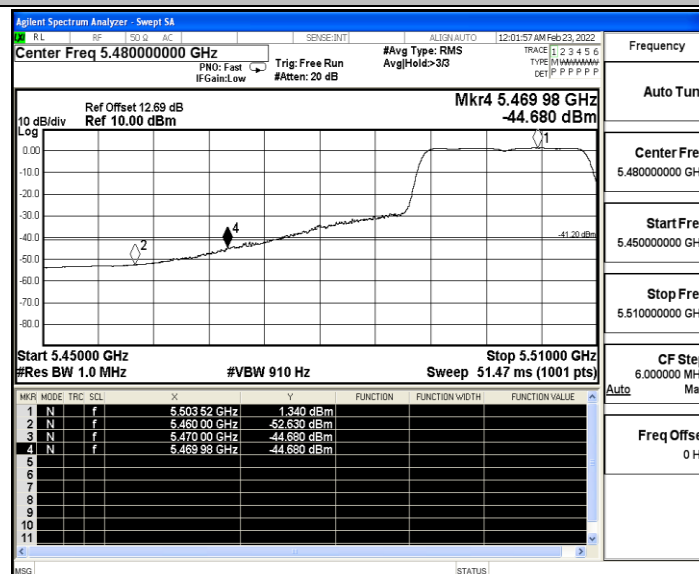
11A_Ant_High_5700_AV



11A_Ant_High_5700_Peak

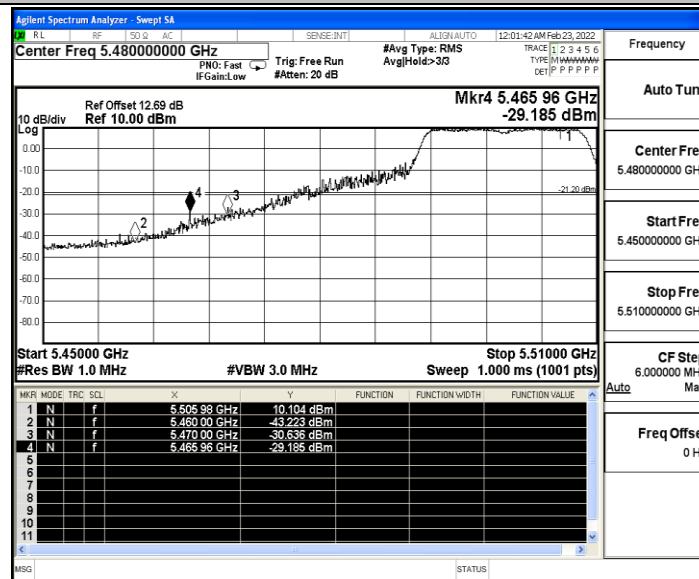


11N20SISO_Ant_Low_5500_AV

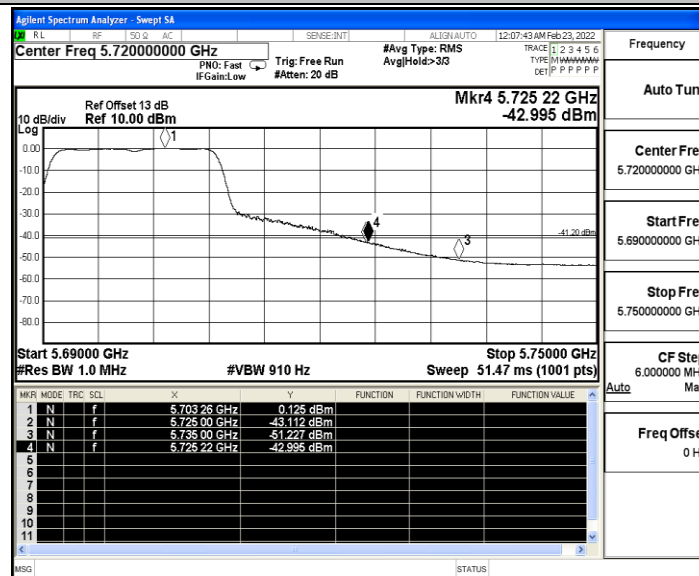




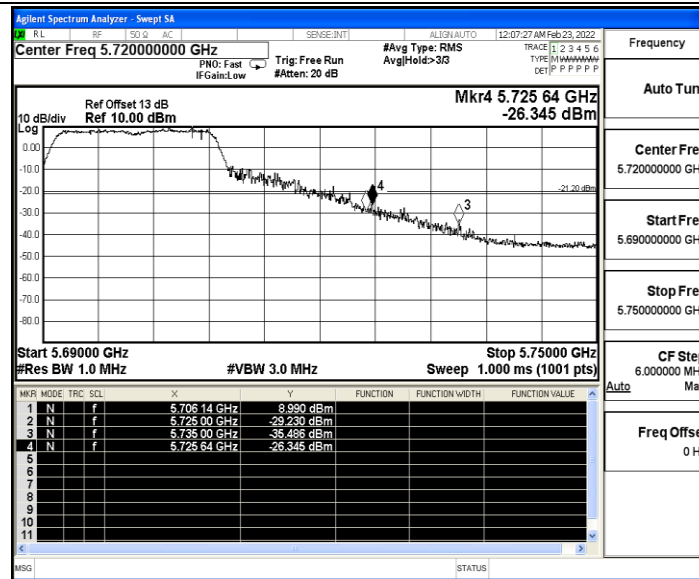
11N20SISO_Ant_Low_5500_Peak



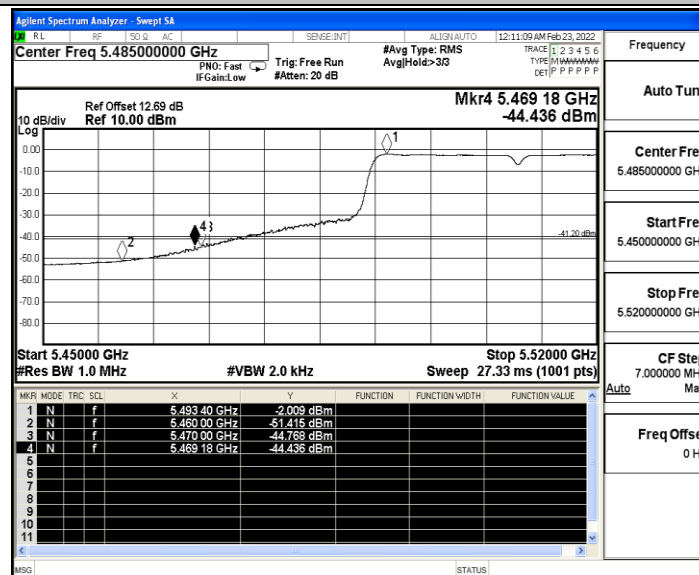
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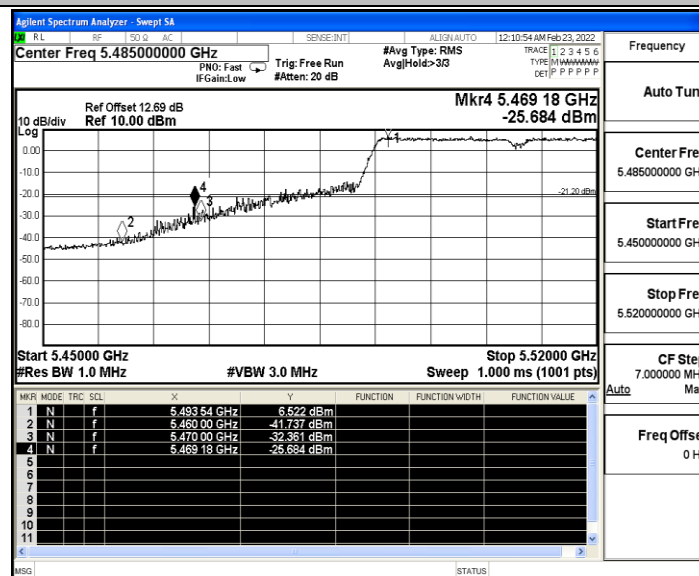
11N20SISO_Ant_High_5700_Peak



11N40SISO_Ant_Low_5510_AV

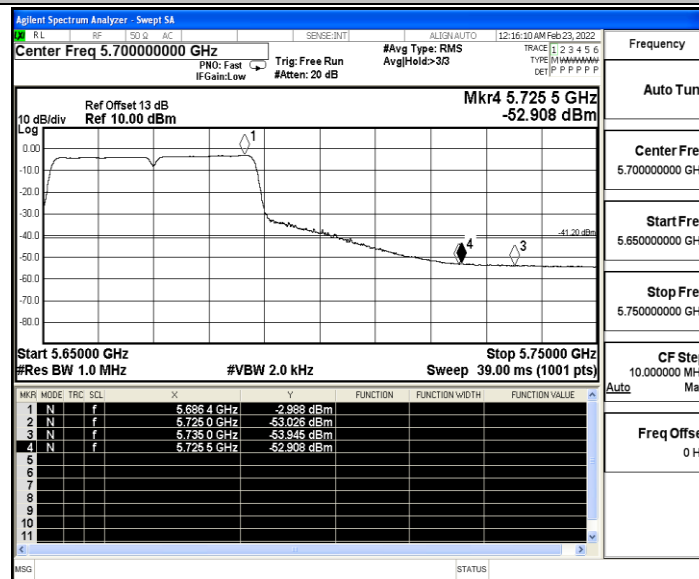


11N40SISO_Ant_Low_5510_Peak

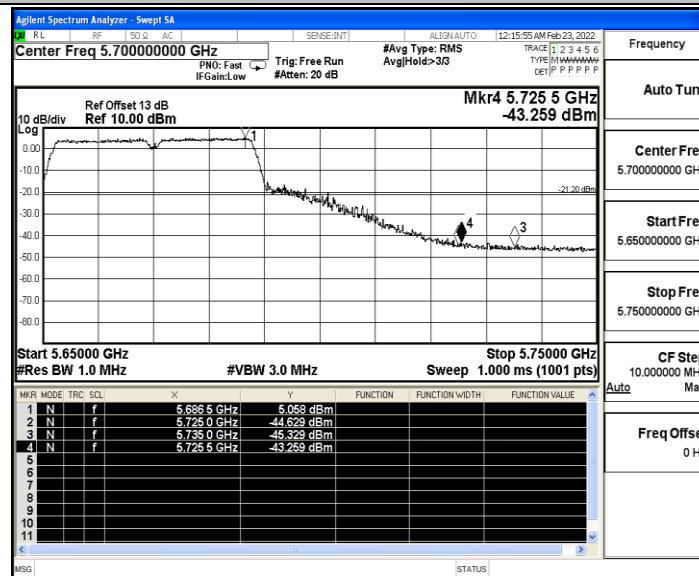




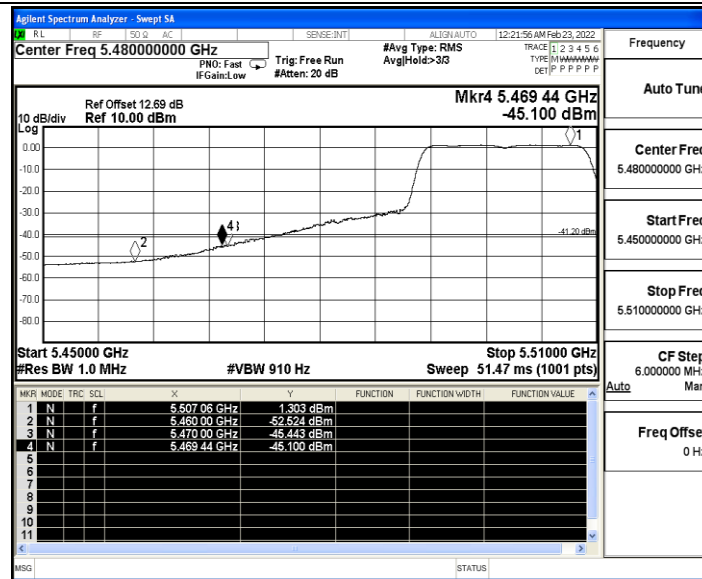
11N40SISO_Ant_High_5670_AV



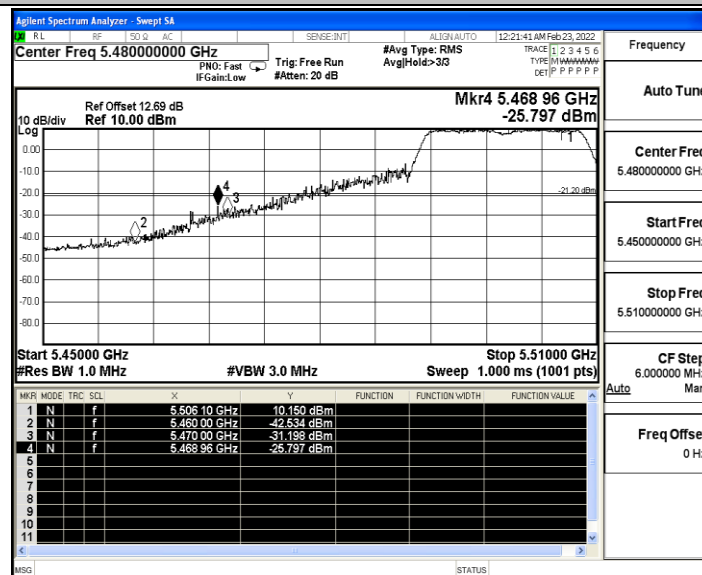
11N40SISO_Ant_High_5670_Peak



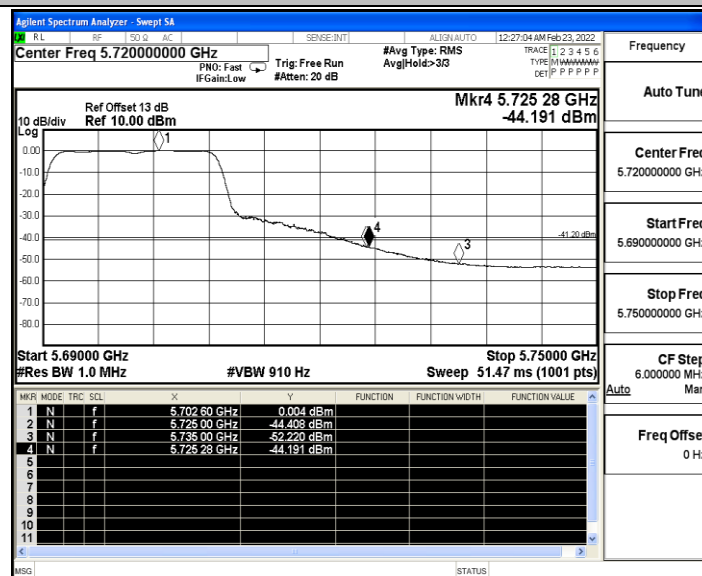
11AC20SISO_Ant_Low_5500_AV



11AC20SISO_Ant_Low_5500_Peak

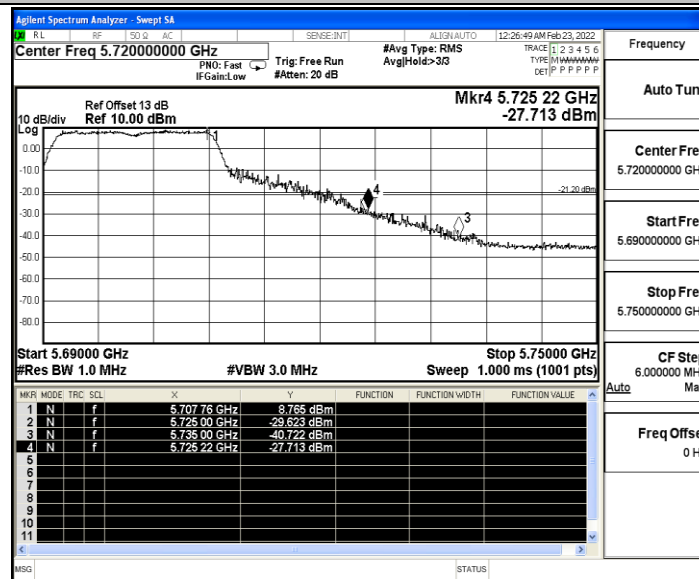


11AC20SISO_Ant_High_5700_AV

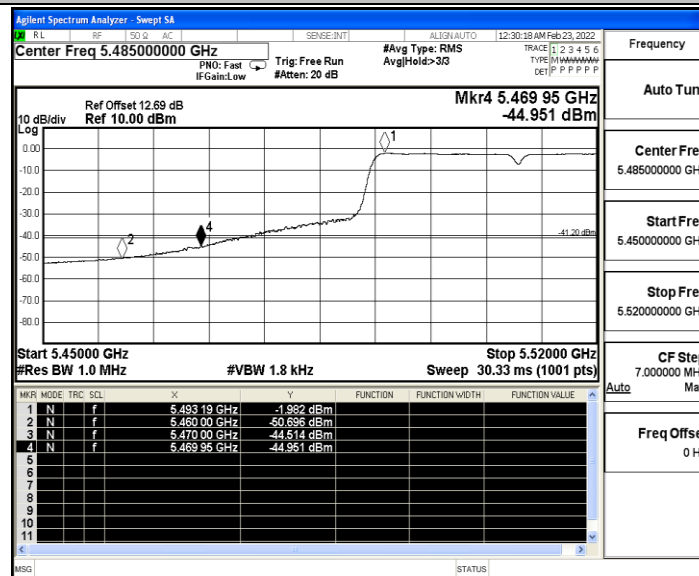




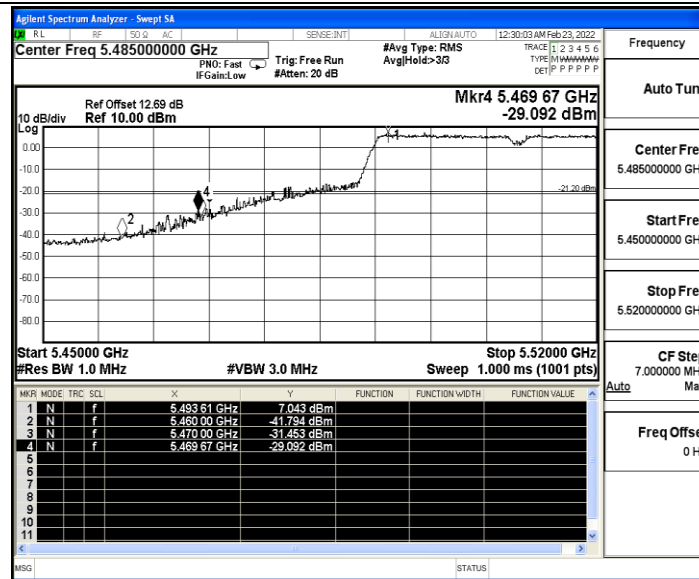
11AC20SISO_Ant_High_5700_Peak



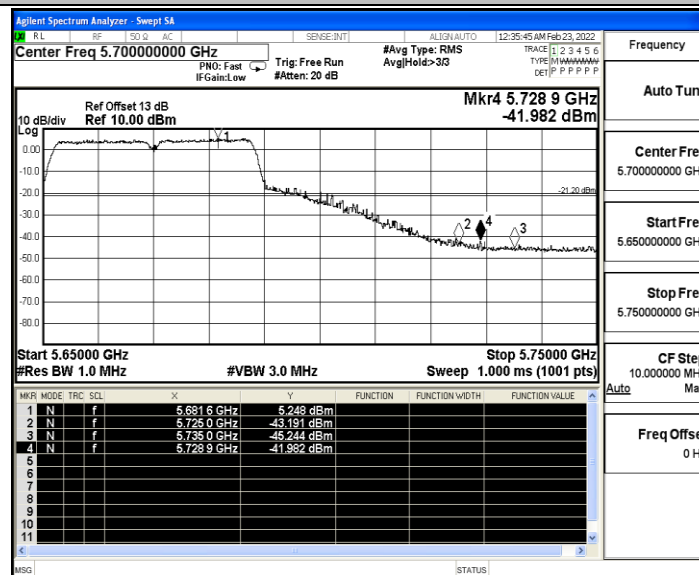
11AC40SISO_Ant_Low_5510_AV



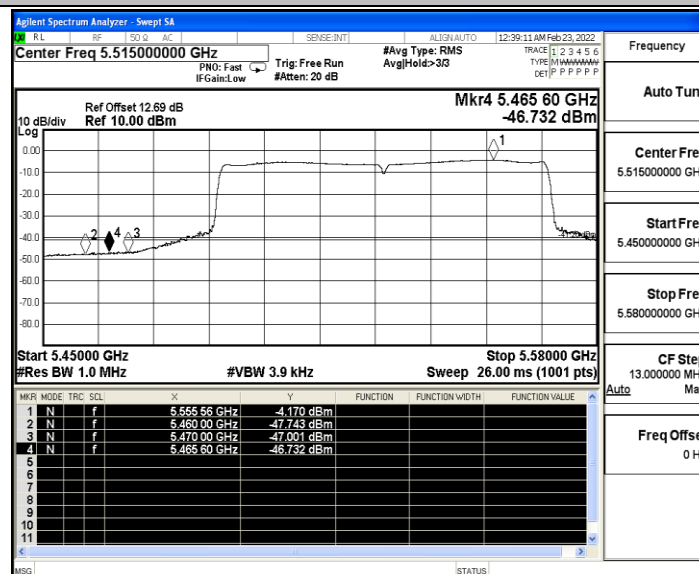
11AC40SISO_Ant_Low_5510_Peak



11AC40SISO_Ant_High_5670_Peak

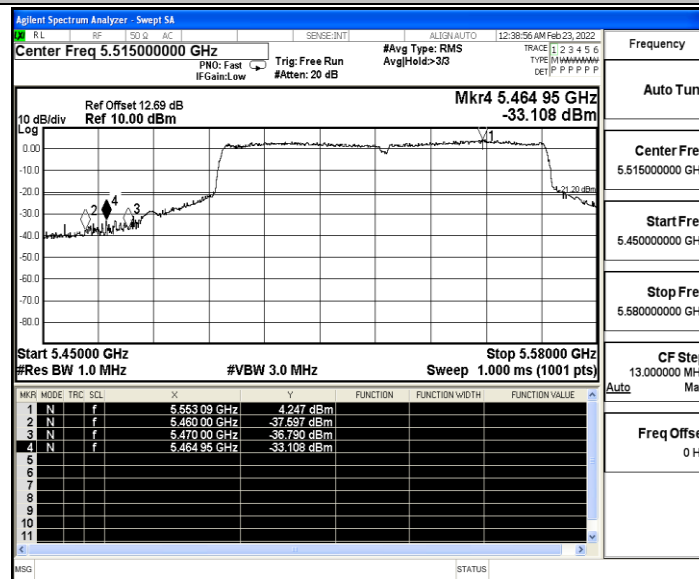


11AC80SISO_Ant_Low_5530_AV

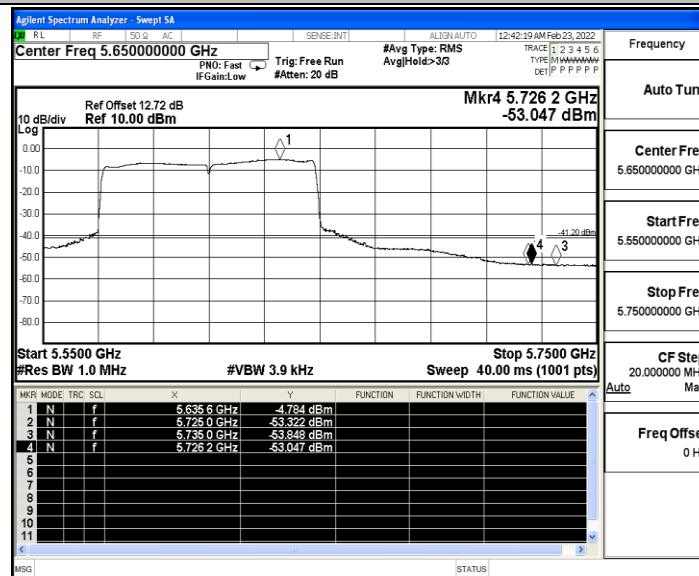




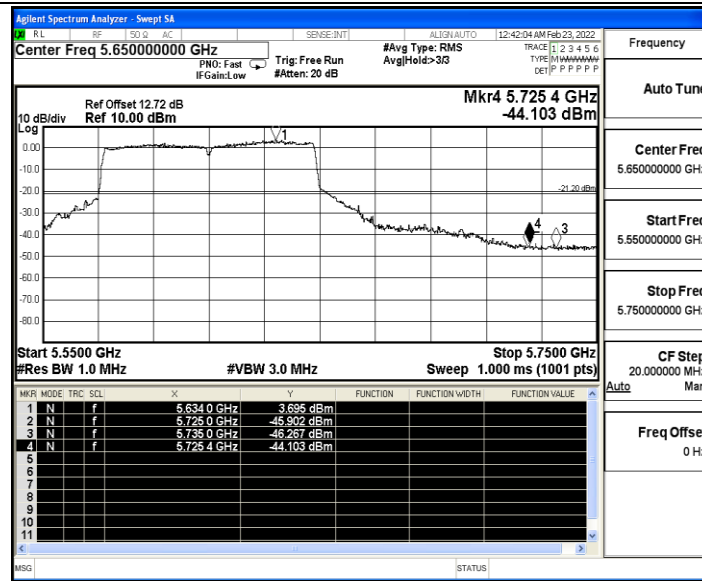
11AC80SISO_Ant_Low_5530_Peak



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	1.33	1.33	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	1.34	1.34	100	---	---
11AC40SISO	Ant	5510	0.74	0.74	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	---	---