



Appendix D

RF Test Data for 5.2G 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



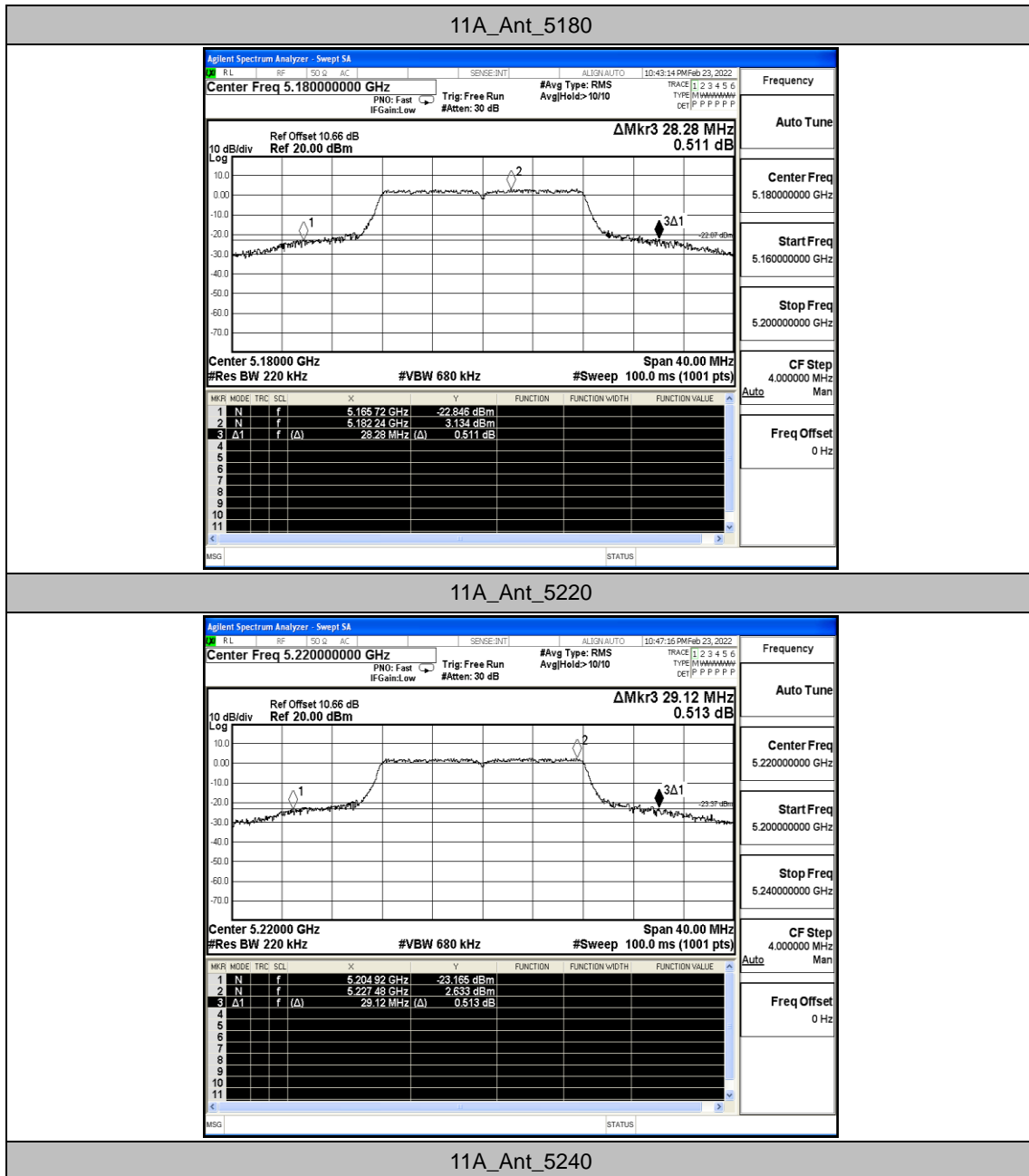
D.1 26dB Bandwidth

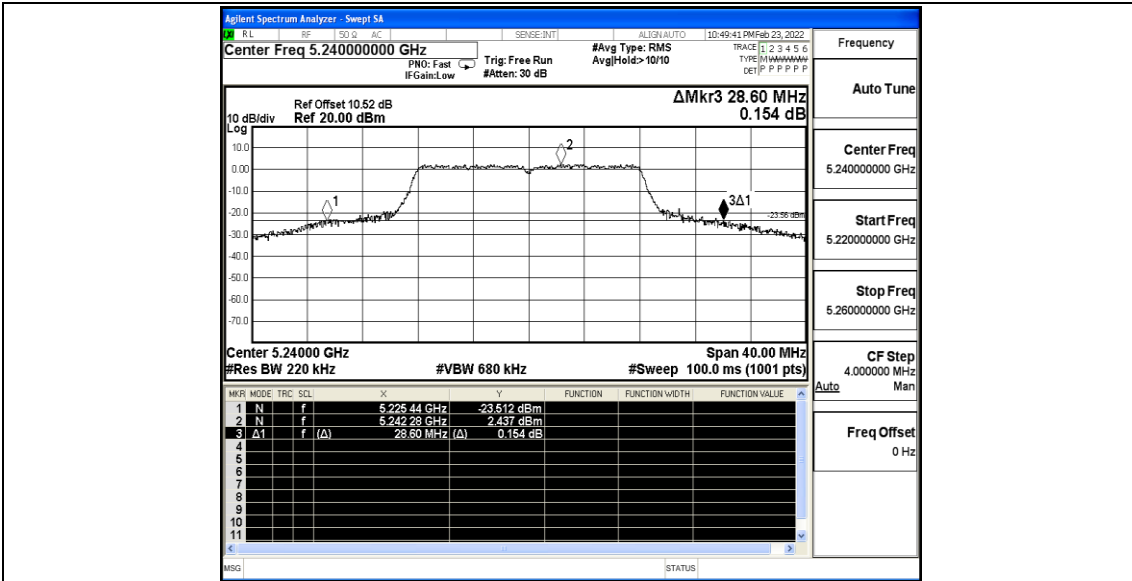
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant	5180	28.280	5165.720	5194.000	---	---
		5220	29.120	5204.920	5234.040	---	---
		5240	28.600	5225.440	5254.040	---	---
11N20SISO	Ant	5180	31.720	5163.960	5195.680	---	---
		5220	31.400	5204.280	5235.680	---	---
		5240	30.320	5225.000	5255.320	---	---
11N40SISO	Ant	5190	51.440	5165.280	5216.720	---	---
		5230	53.680	5204.720	5258.400	---	---
11AC20SISO	Ant	5180	33.360	5163.560	5196.920	---	---
		5220	30.560	5205.800	5236.360	---	---
		5240	33.080	5223.800	5256.880	---	---
11AC40SISO	Ant	5190	48.320	5166.800	5215.120	---	---
		5230	48.640	5207.200	5255.840	---	---
11AC80SISO	Ant	5210	83.520	5169.360	5252.880	---	---

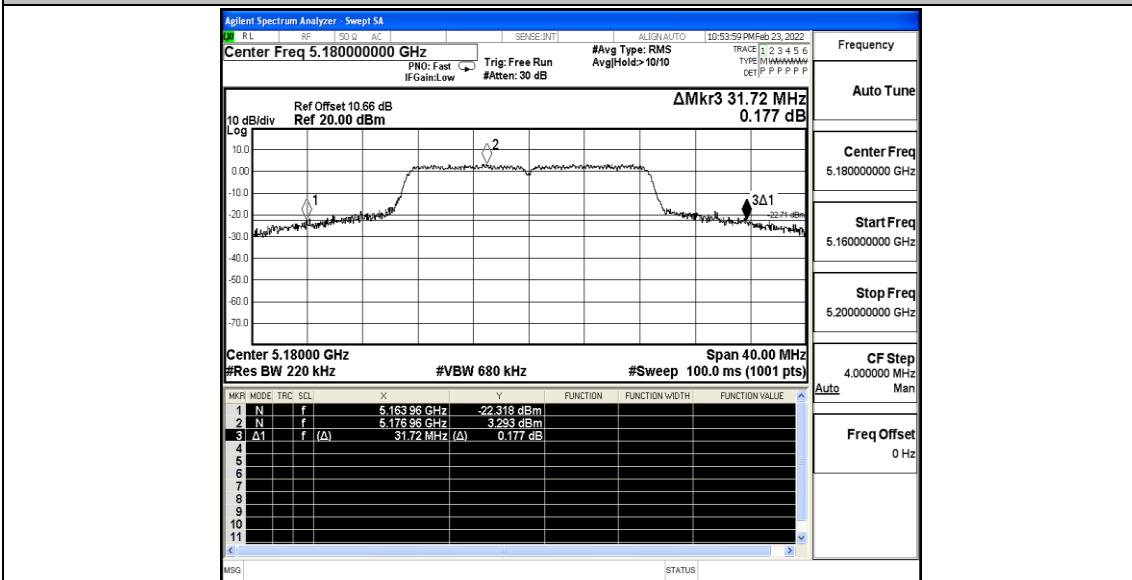


Test Graphs

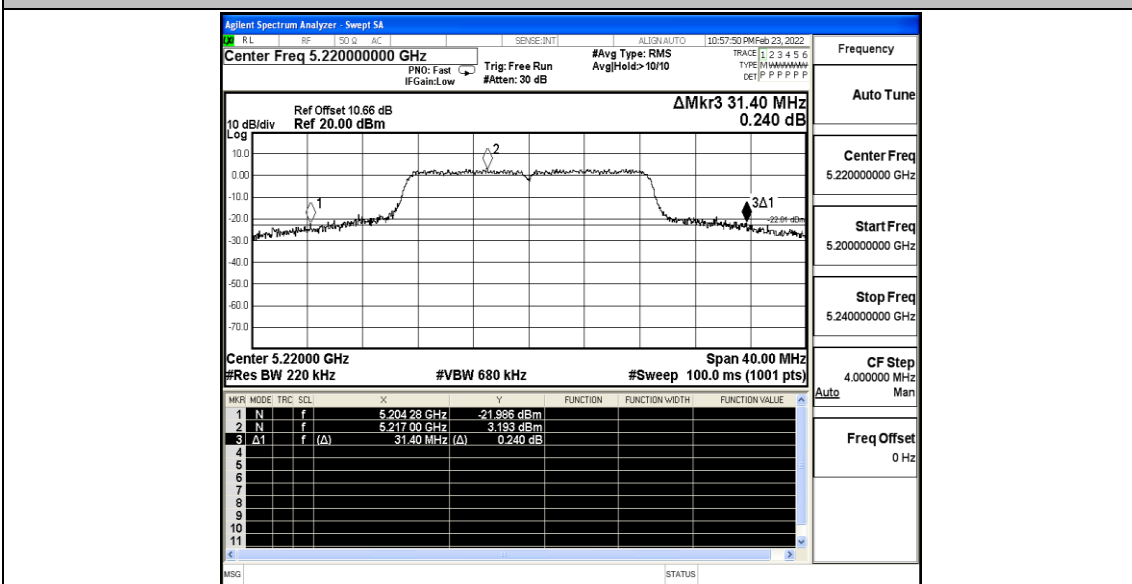




11N20SISO_Ant_5180

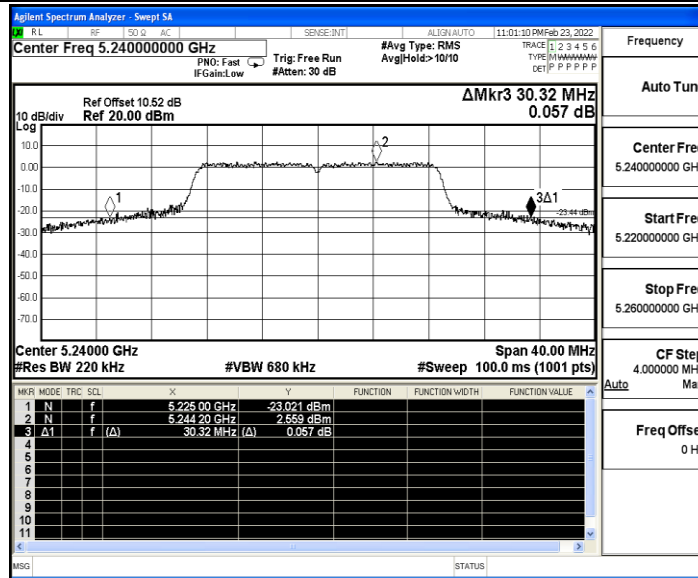


11N20SISO_Ant_5220

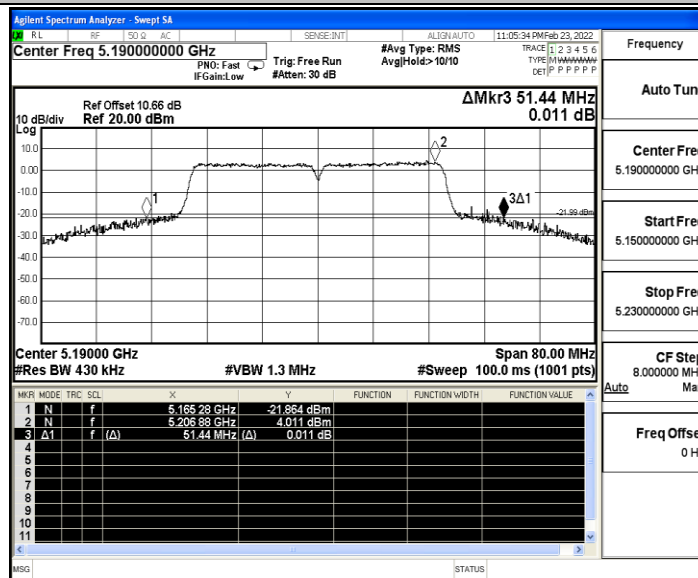




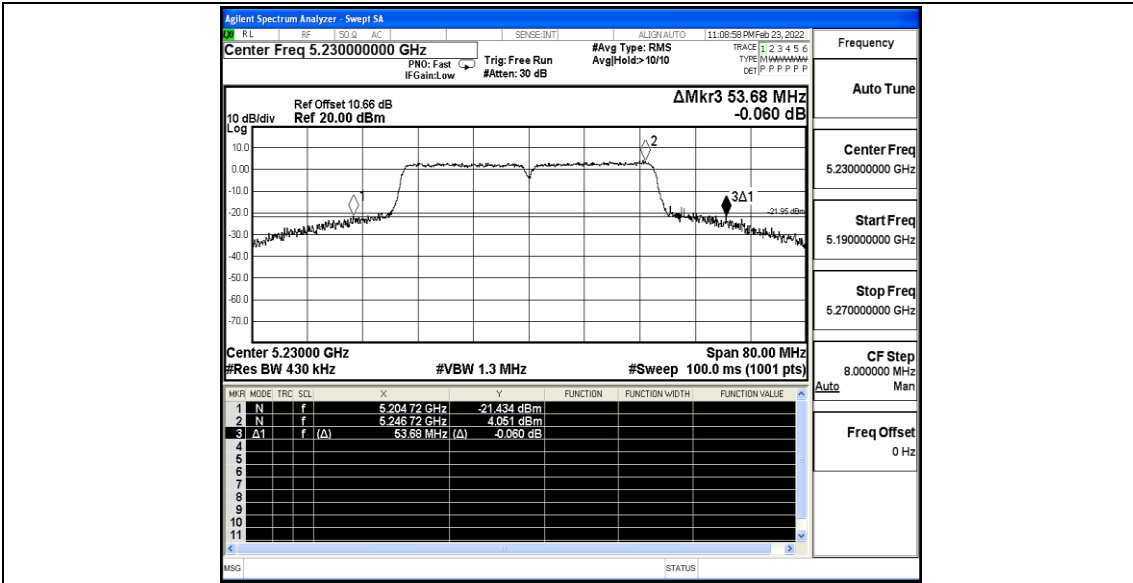
11N20SISO_Ant_5240



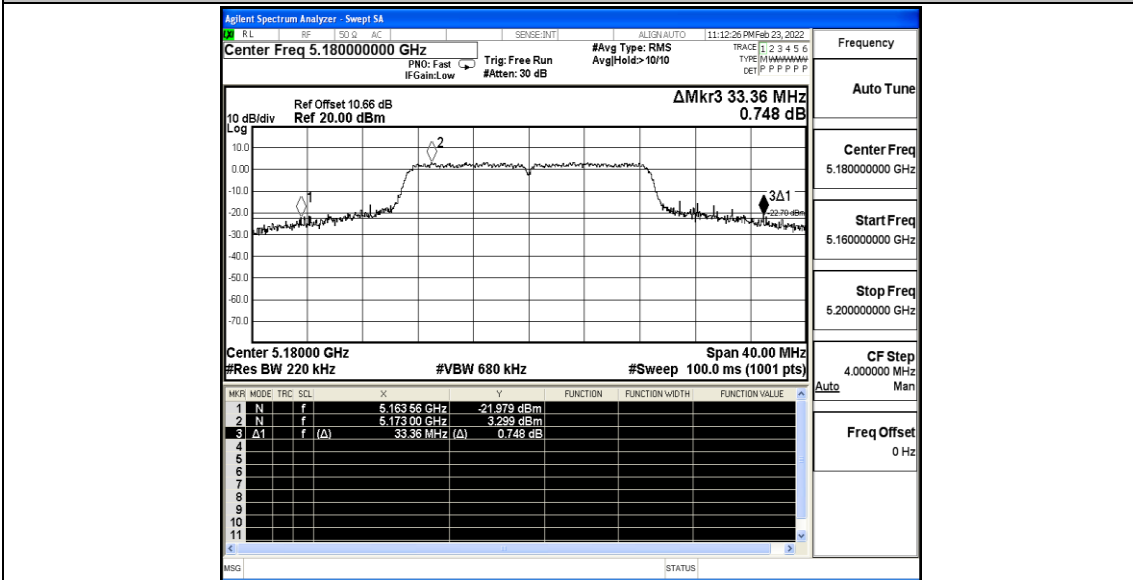
11N40SISO_Ant_5190



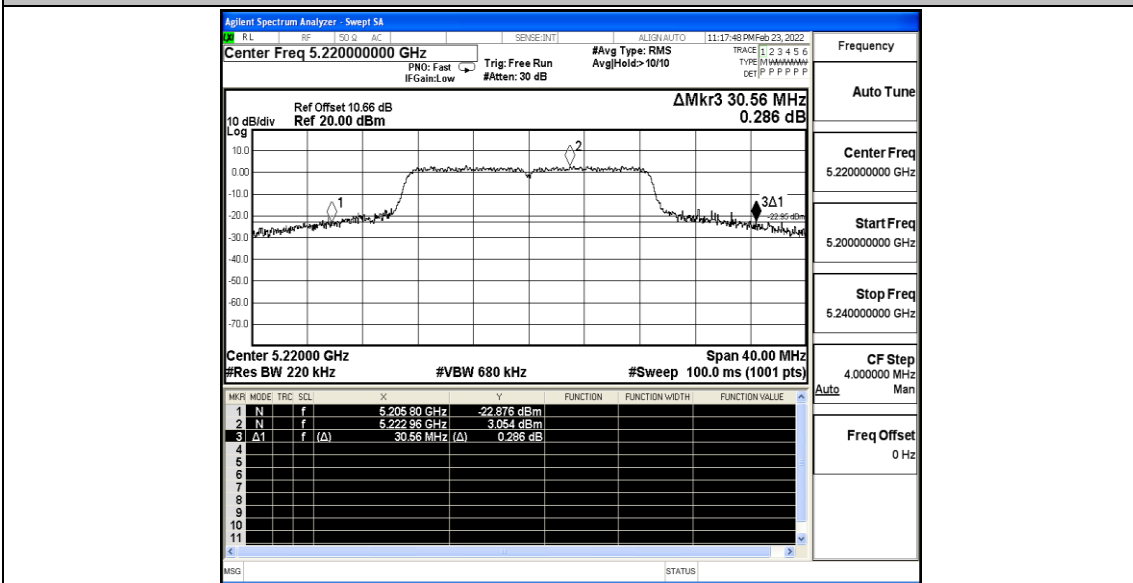
11N40SISO_Ant_5230



11AC20SISO_Ant_5180

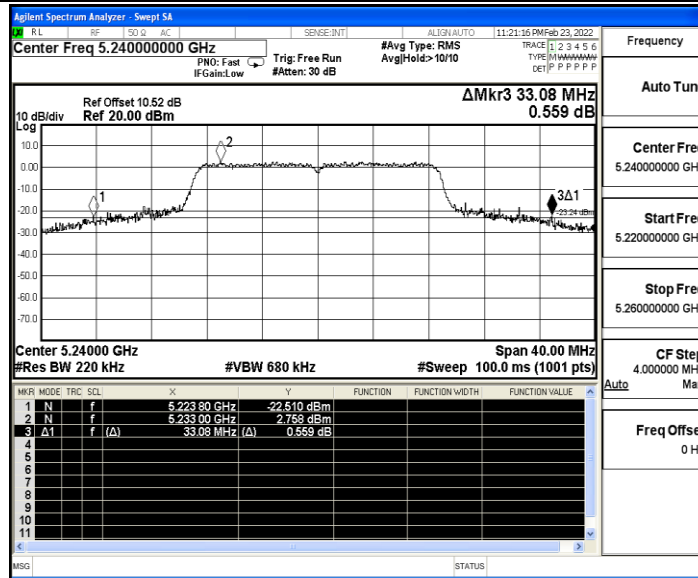


11AC20SISO_Ant_5220

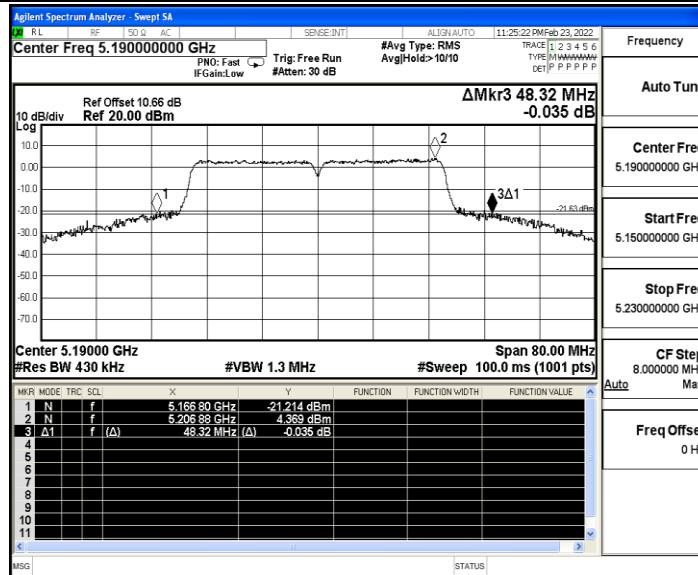




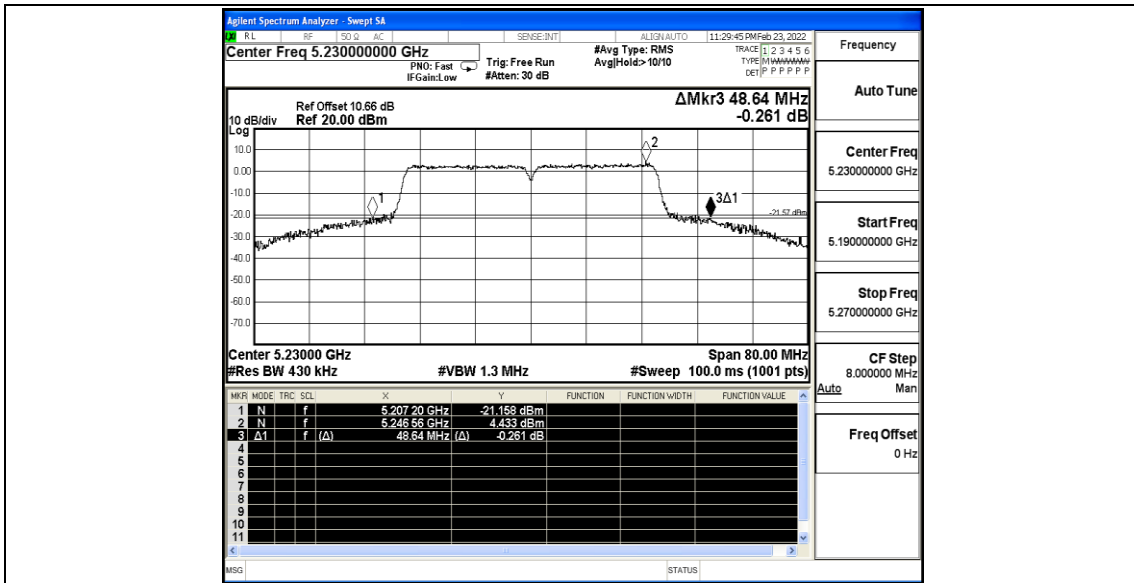
11AC20SISO_Ant_5240



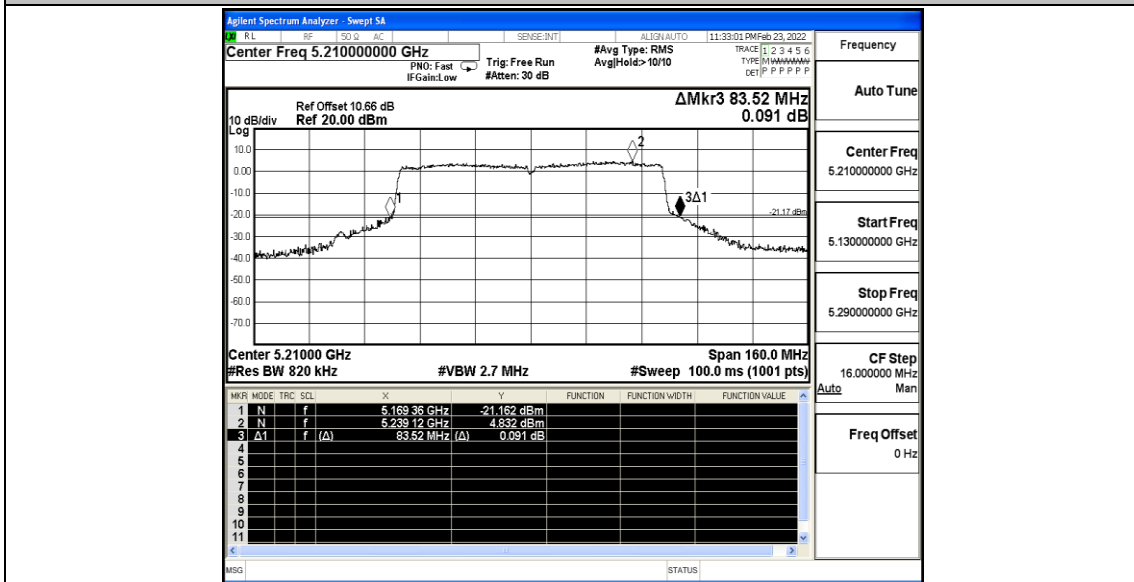
11AC40SISO_Ant_5190



11AC40SISO_Ant_5230



11AC80SISO_Ant_5210





D.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant	5180	13.23	≤23.98	PASS
		5220	12.81	≤23.98	PASS
		5240	12.49	≤23.98	PASS
11N20SISO	Ant	5180	13.43	≤23.98	PASS
		5220	13.12	≤23.98	PASS
		5240	12.86	≤23.98	PASS
11N40SISO	Ant	5190	13.32	≤23.98	PASS
		5230	12.86	≤23.98	PASS
11AC20SISO	Ant	5180	13.48	≤23.98	PASS
		5220	13.09	≤23.98	PASS
		5240	12.86	≤23.98	PASS
11AC40SISO	Ant	5190	13.29	≤23.98	PASS
		5230	12.93	≤23.98	PASS
11AC80SISO	Ant	5210	13.50	≤23.98	PASS

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



D.3 Maximum power spectral density

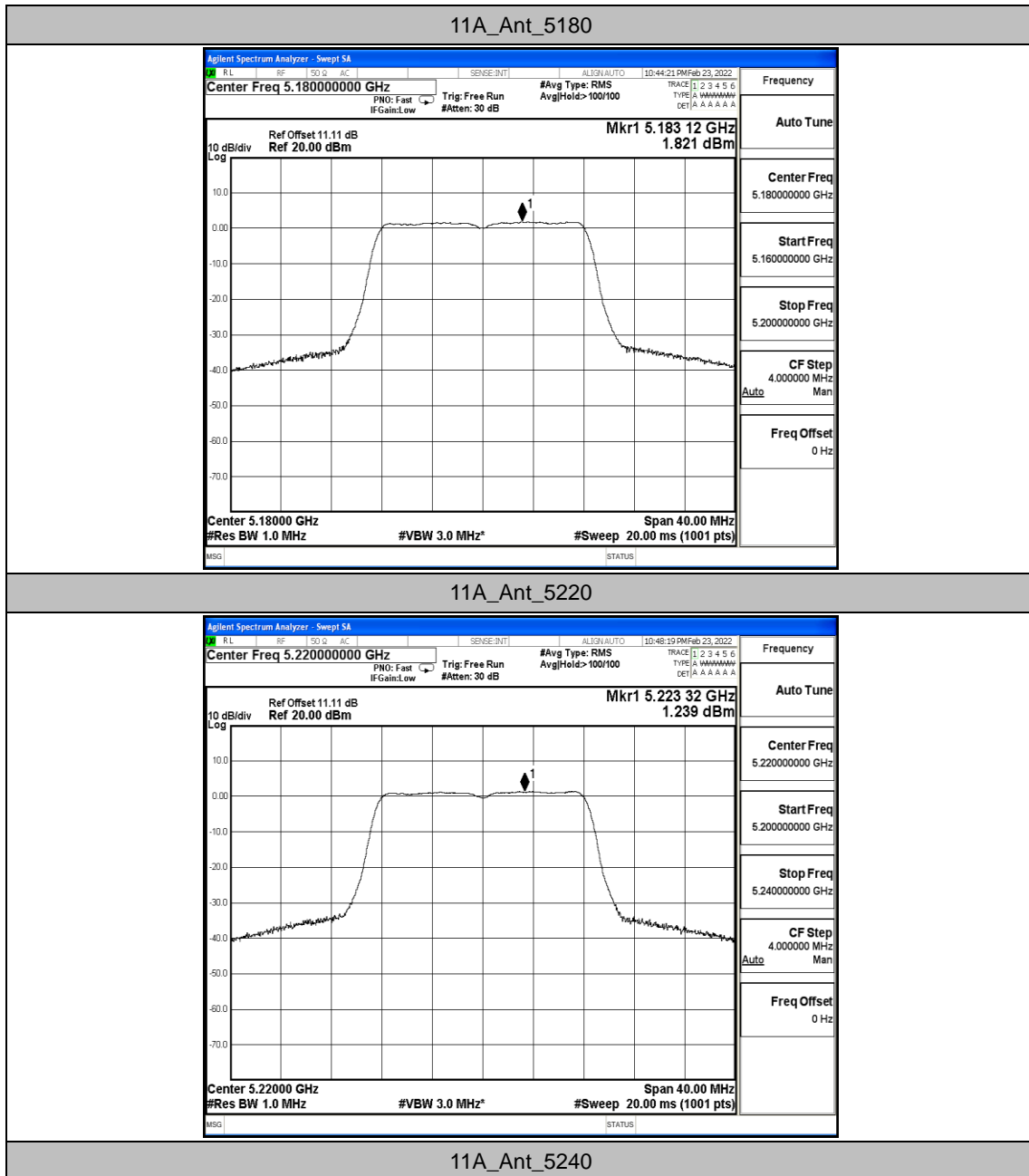
Test Result

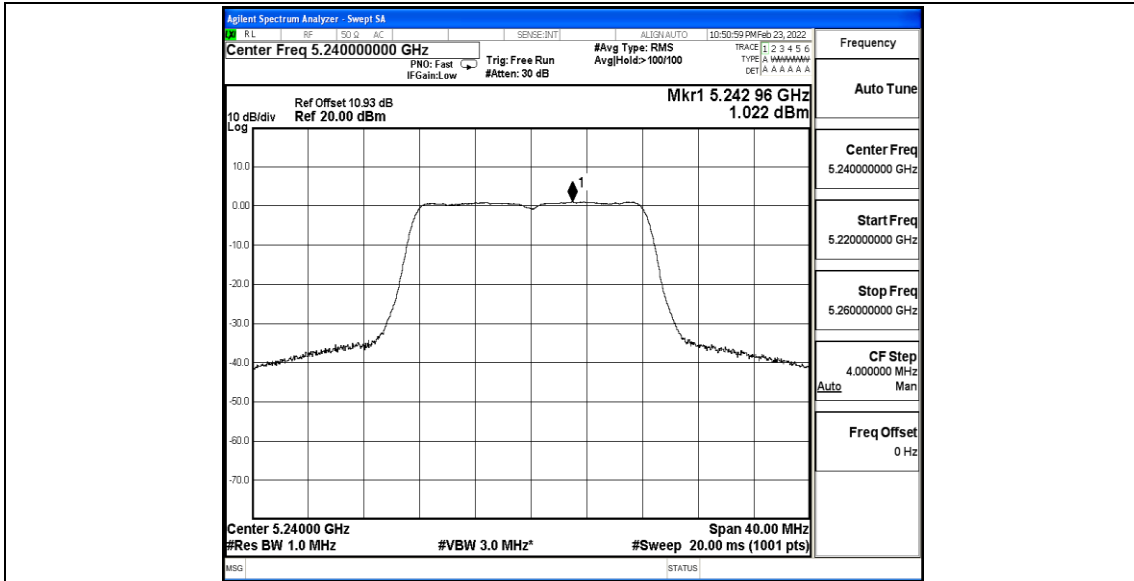
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant	5180	1.77	≤11.00	PASS
		5220	1.4	≤11.00	PASS
		5240	1.04	≤11.00	PASS
11N20SISO	Ant	5180	1.89	≤11.00	PASS
		5220	1.48	≤11.00	PASS
		5240	1.16	≤11.00	PASS
11N40SISO	Ant	5190	-0.79	≤11.00	PASS
		5230	-1.54	≤11.00	PASS
11AC20SISO	Ant	5180	1.81	≤11.00	PASS
		5220	1.48	≤11.00	PASS
		5240	1.21	≤11.00	PASS
11AC40SISO	Ant	5190	-1.03	≤11.00	PASS
		5230	-1.18	≤11.00	PASS
11AC80SISO	Ant	5210	-3.55	≤11.00	PASS

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

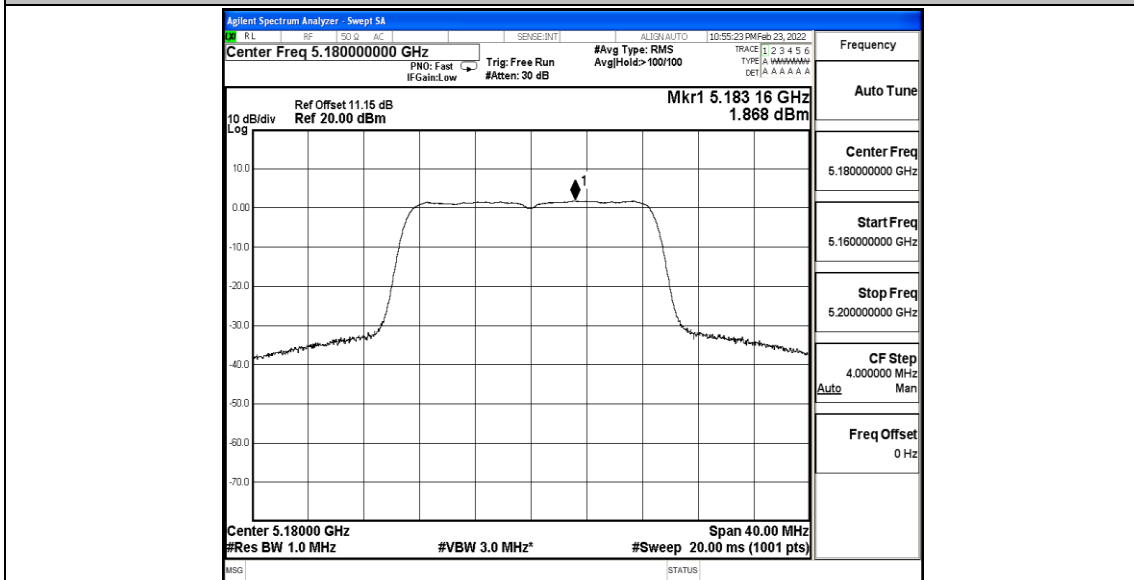


Test Graphs

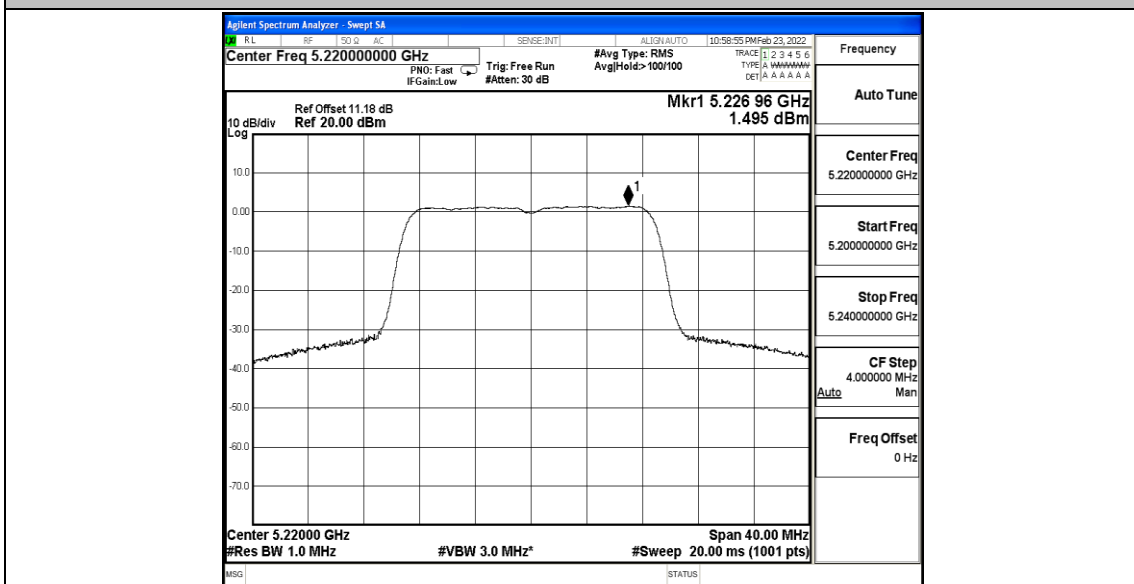




11N20SISO_Ant_5180

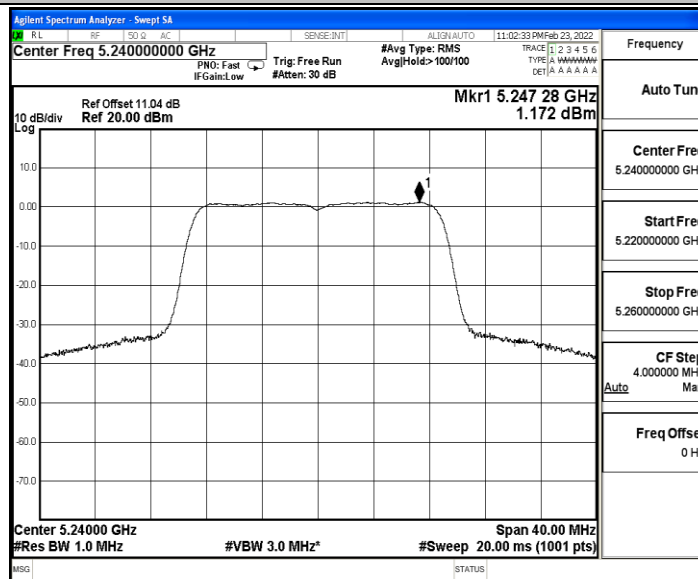


11N20SISO_Ant_5220

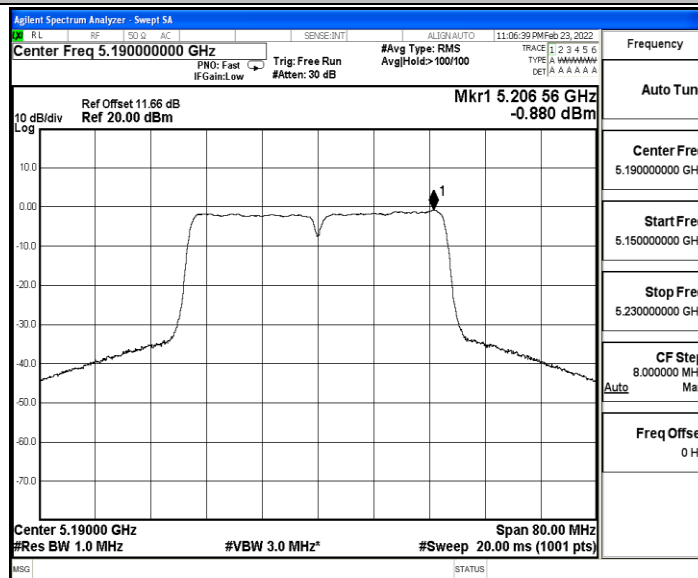




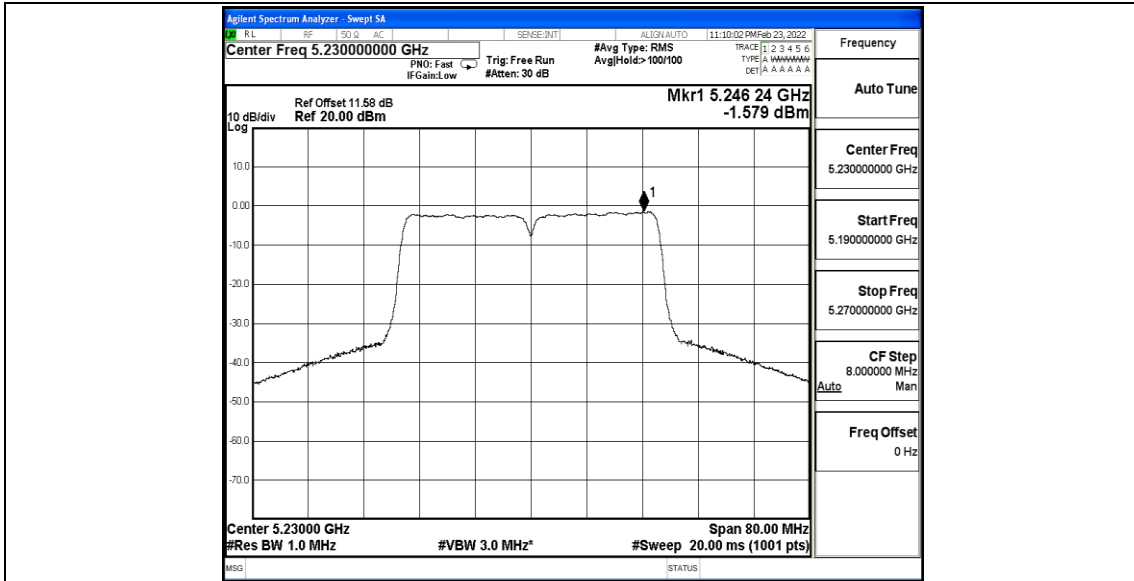
11N20SISO_Ant_5240



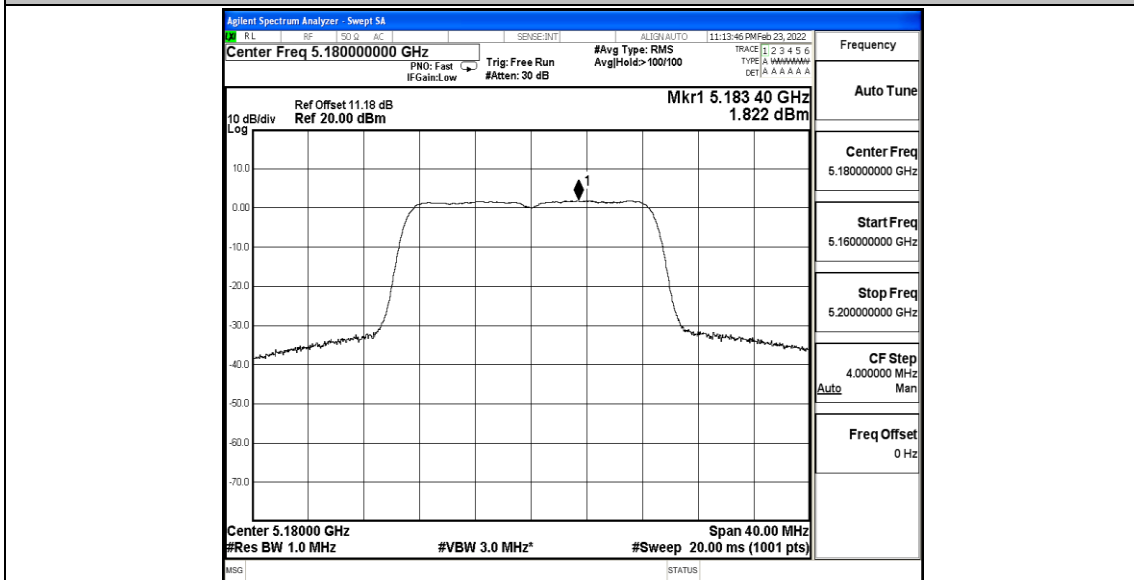
11N40SISO_Ant_5190



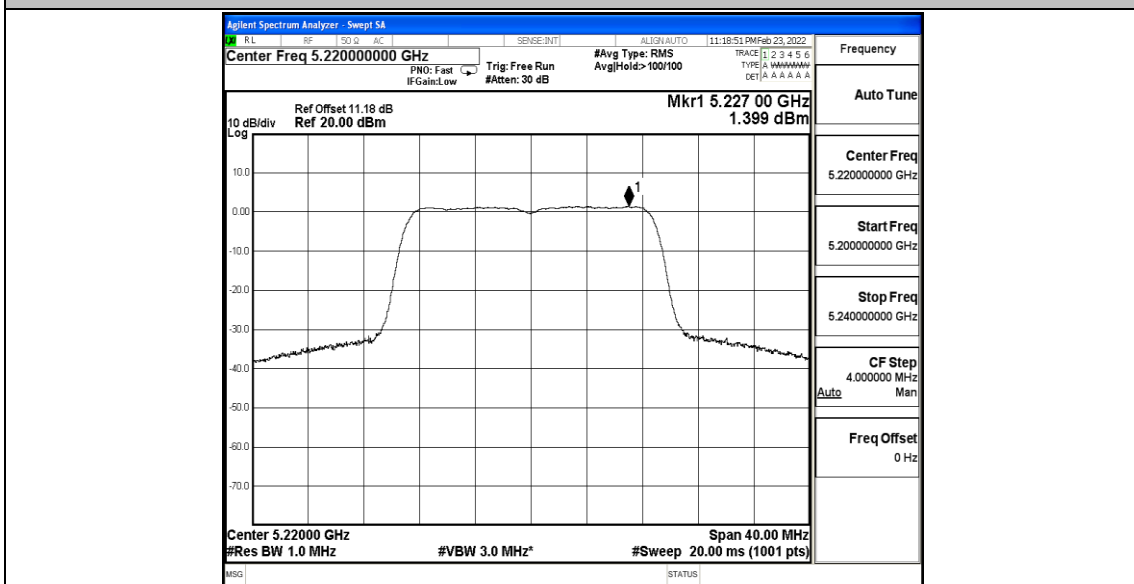
11N40SISO_Ant_5230



11AC20SISO_Ant_5180

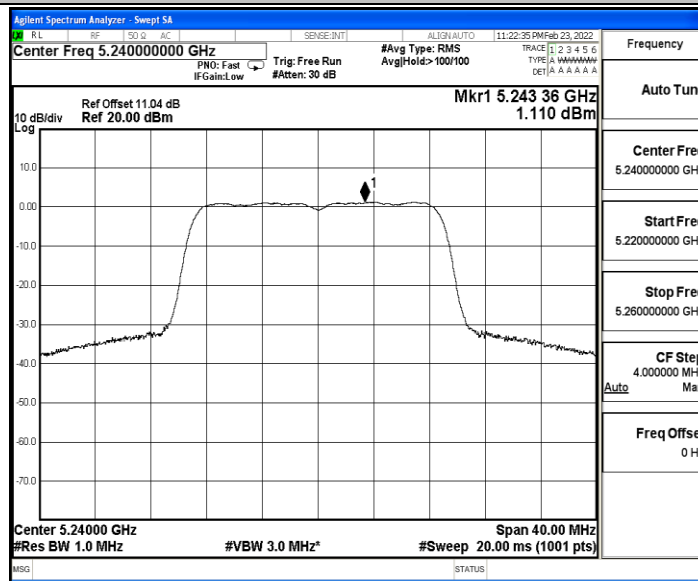


11AC20SISO_Ant_5220

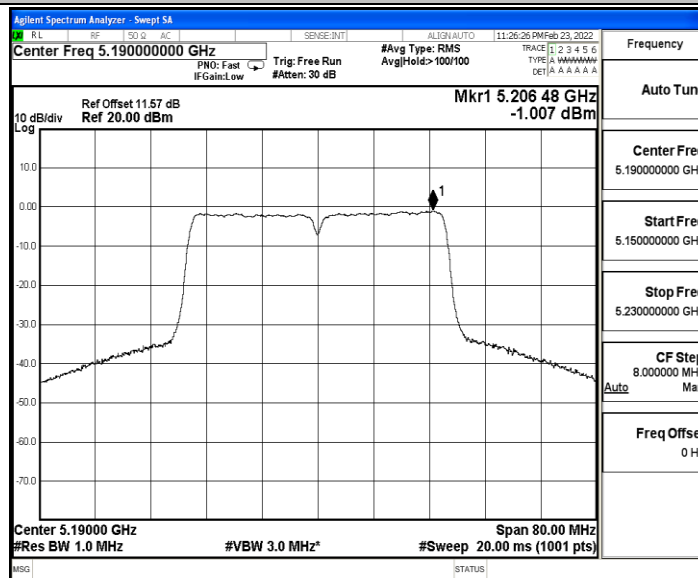




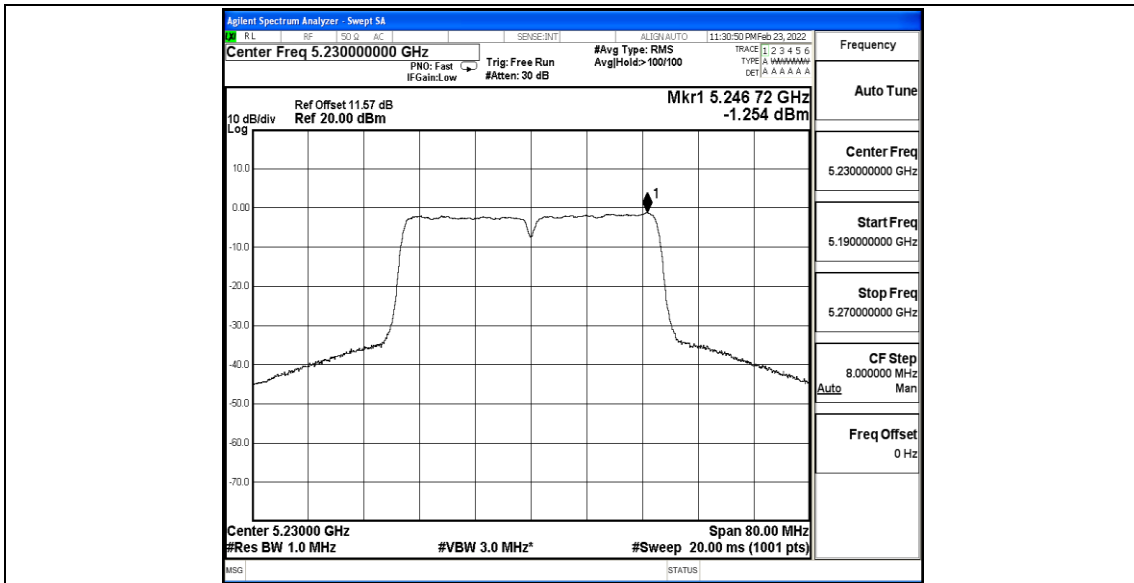
11AC20SISO_Ant_5240



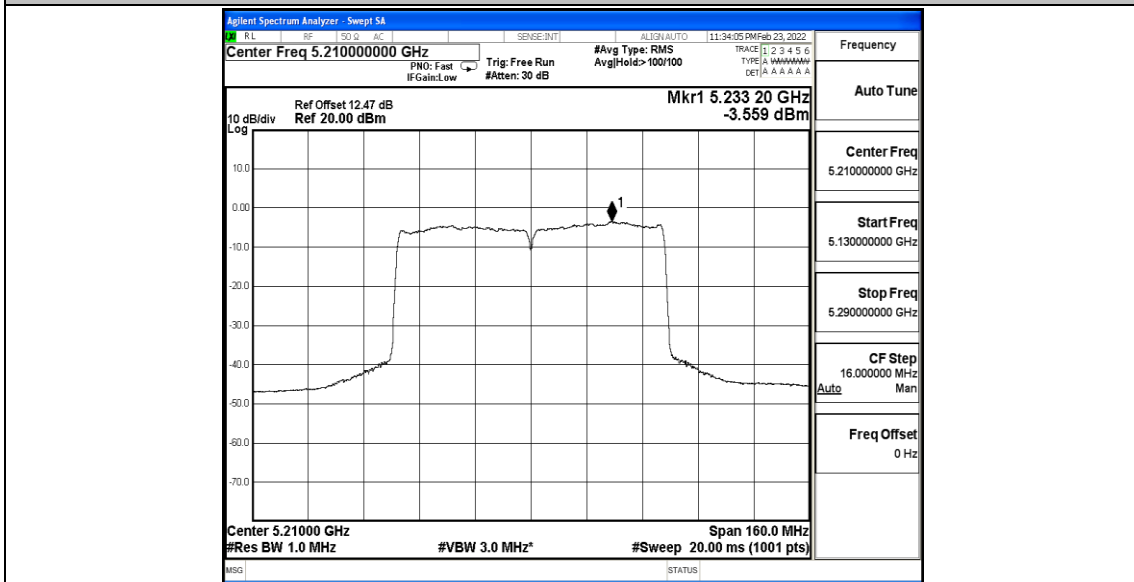
11AC40SISO_Ant_5190



11AC40SISO_Ant_5230



11AC80SISO_Ant_5210





D.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	5180	AV	4500.000	-47.79	≤-41.20	47.41	≤54	PASS
				AV	5149.600	-42.84	≤-41.20	52.36	≤54	PASS
				AV	5150.000	-42.75	≤-41.20	52.45	≤54	PASS
				Peak	4500.000	-38.91	≤-21.20	56.29	≤68.2	PASS
				Peak	5146.800	-30.9	≤-21.20	64.30	≤68.2	PASS
				Peak	5150.000	-31.53	≤-21.20	63.67	≤68.2	PASS
		High	5240	AV	5350.000	-46.27	≤-41.20	48.93	≤54	PASS
				AV	5360.640	-46.05	≤-41.20	49.15	≤54	PASS
				AV	5460.000	-46.33	≤-41.20	48.87	≤54	PASS
				Peak	5350.000	-37.37	≤-21.20	57.83	≤68.2	PASS
				Peak	5387.040	-35.6	≤-21.20	59.60	≤68.2	PASS
				Peak	5460.000	-38.12	≤-21.20	57.08	≤68.2	PASS
11N20SIS O	Ant	Low	5180	AV	4500.000	-47.91	≤-41.20	47.29	≤54	PASS
				AV	5149.600	-41.76	≤-41.20	53.44	≤54	PASS
				AV	5150.000	-41.63	≤-41.20	53.57	≤54	PASS
				Peak	4500.000	-38.7	≤-21.20	56.50	≤68.2	PASS
				Peak	5148.900	-28.32	≤-21.20	66.88	≤68.2	PASS
				Peak	5150.000	-28.63	≤-21.20	66.57	≤68.2	PASS
		High	5240	AV	5350.000	-46.21	≤-41.20	48.99	≤54	PASS
				AV	5373.360	-45.93	≤-41.20	49.27	≤54	PASS
				AV	5460.000	-46.16	≤-41.20	49.04	≤54	PASS
				Peak	5350.000	-37.61	≤-21.20	57.59	≤68.2	PASS
				Peak	5410.800	-34.42	≤-21.20	60.78	≤68.2	PASS
				Peak	5460.000	-37.69	≤-21.20	57.51	≤68.2	PASS
11N40SIS O	Ant	Low	5190	AV	4500.000	-47.55	≤-41.20	47.65	≤54	PASS
				AV	5149.600	-40.67	≤-41.20	54.53	≤54	FAIL
				AV	5150.000	-40.15	≤-41.20	55.05	≤54	FAIL
				Peak	4500.000	-37.42	≤-21.20	57.78	≤68.2	PASS
				Peak	5146.800	-26.39	≤-21.20	68.81	≤68.2	PASS
				Peak	5150.000	-28.45	≤-21.20	66.75	≤68.2	PASS
		High	5230	AV	5350.000	-45.84	≤-41.20	49.36	≤54	PASS
				AV	5386.680	-45.27	≤-41.20	49.93	≤54	PASS
				AV	5460.000	-45.79	≤-41.20	49.41	≤54	PASS
				Peak	5350.000	-36.09	≤-21.20	59.11	≤68.2	PASS
				Peak	5390.580	-35.68	≤-21.20	59.52	≤68.2	PASS
				Peak	5460.000	-37.83	≤-21.20	57.37	≤68.2	PASS
11AC20SI	Ant	Low	5180	AV	4500.000	-47.74	≤-41.20	47.46	≤54	PASS



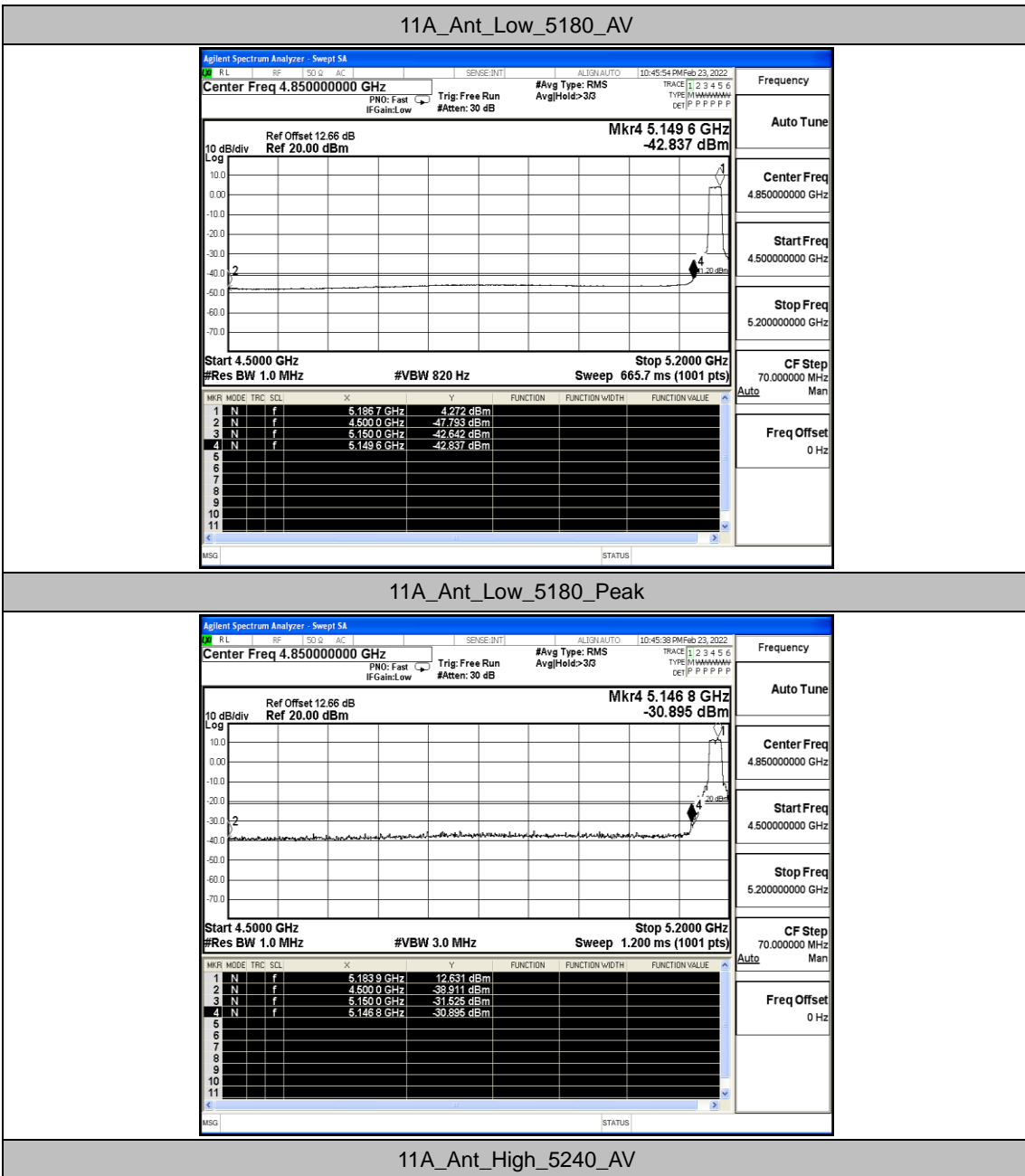
SO				AV	5149.600	-42.49	≤-41.20	52.71	≤54	PASS
				AV	5150.000	-41.85	≤-41.20	53.35	≤54	PASS
				Peak	4500.000	-38.2	≤-21.20	57.00	≤68.2	PASS
				Peak	5149.600	-29.32	≤-21.20	65.88	≤68.2	PASS
				Peak	5150.000	-28	≤-21.20	67.20	≤68.2	PASS
				Peak	5150.000	-28	≤-21.20	67.20	≤68.2	PASS
		High	5240	AV	5350.000	-46.21	≤-41.20	48.99	≤54	PASS
				AV	5369.280	-45.91	≤-41.20	49.29	≤54	PASS
				AV	5460.000	-46.35	≤-41.20	48.85	≤54	PASS
				Peak	5350.000	-37.92	≤-21.20	57.28	≤68.2	PASS
				Peak	5420.160	-35.96	≤-21.20	59.24	≤68.2	PASS
				Peak	5460.000	-37.37	≤-21.20	57.83	≤68.2	PASS
11AC40SI SO	Ant	Low	5190	AV	4500.000	-47.61	≤-41.20	47.59	≤54	PASS
				AV	5149.600	-41.24	≤-41.20	53.96	≤54	PASS
				AV	5150.000	-40.13	≤-41.20	55.07	≤54	FAIL
				Peak	4500.000	-39.84	≤-21.20	55.36	≤68.2	PASS
				Peak	5148.200	-26.69	≤-21.20	68.51	≤68.2	PASS
				Peak	5150.000	-25.74	≤-21.20	69.46	≤68.2	PASS
		High	5230	AV	5350.000	-45.99	≤-41.20	49.21	≤54	PASS
				AV	5427.500	-45.43	≤-41.20	49.77	≤54	PASS
				AV	5460.000	-45.83	≤-41.20	49.37	≤54	PASS
				Peak	5350.000	-37.26	≤-21.20	57.94	≤68.2	PASS
				Peak	5430.880	-35.56	≤-21.20	59.64	≤68.2	PASS
				Peak	5460.000	-37.38	≤-21.20	57.82	≤68.2	PASS
11AC80SI SO	Ant	Low	5210	AV	4500.000	-47.15	≤-41.20	48.05	≤54	PASS
				AV	5149.500	-43.08	≤-41.20	52.12	≤54	PASS
				AV	5150.000	-42.93	≤-41.20	52.27	≤54	PASS
				Peak	4500.000	-38.95	≤-21.20	56.25	≤68.2	PASS
				Peak	5147.250	-32.65	≤-21.20	62.55	≤68.2	PASS
				Peak	5150.000	-34.89	≤-21.20	60.31	≤68.2	PASS
		High	5210	AV	5350.000	-45.19	≤-41.20	50.01	≤54	PASS
				AV	5394.760	-44.92	≤-41.20	50.28	≤54	PASS
				AV	5460.000	-45.52	≤-41.20	49.68	≤54	PASS
				Peak	5350.000	-37.46	≤-21.20	57.74	≤68.2	PASS
				Peak	5378.520	-35.26	≤-21.20	59.94	≤68.2	PASS
				Peak	5460.000	-38.15	≤-21.20	57.05	≤68.2	PASS

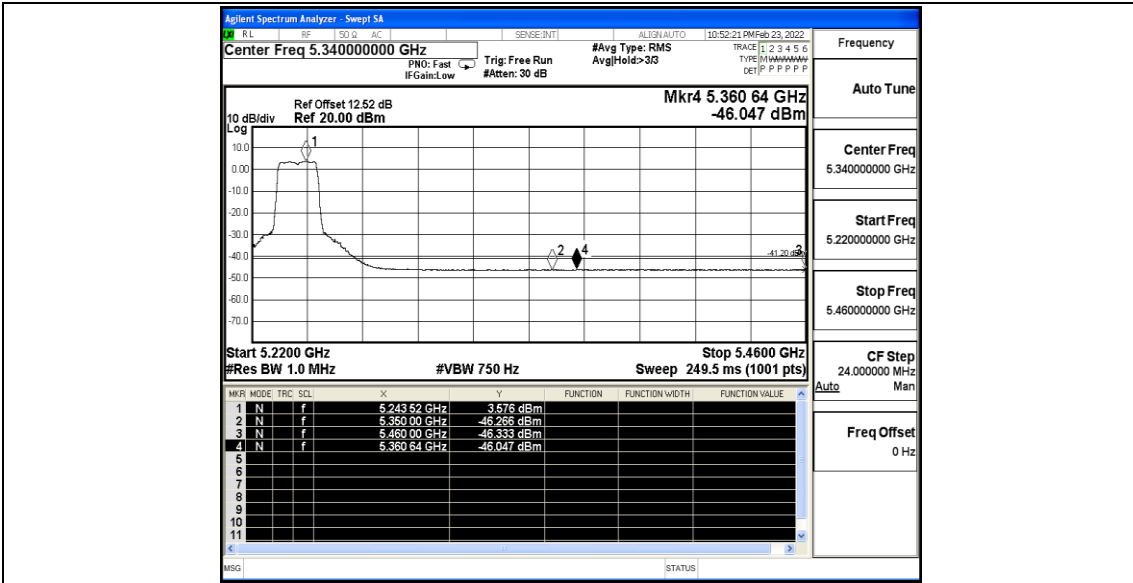
Note:

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.

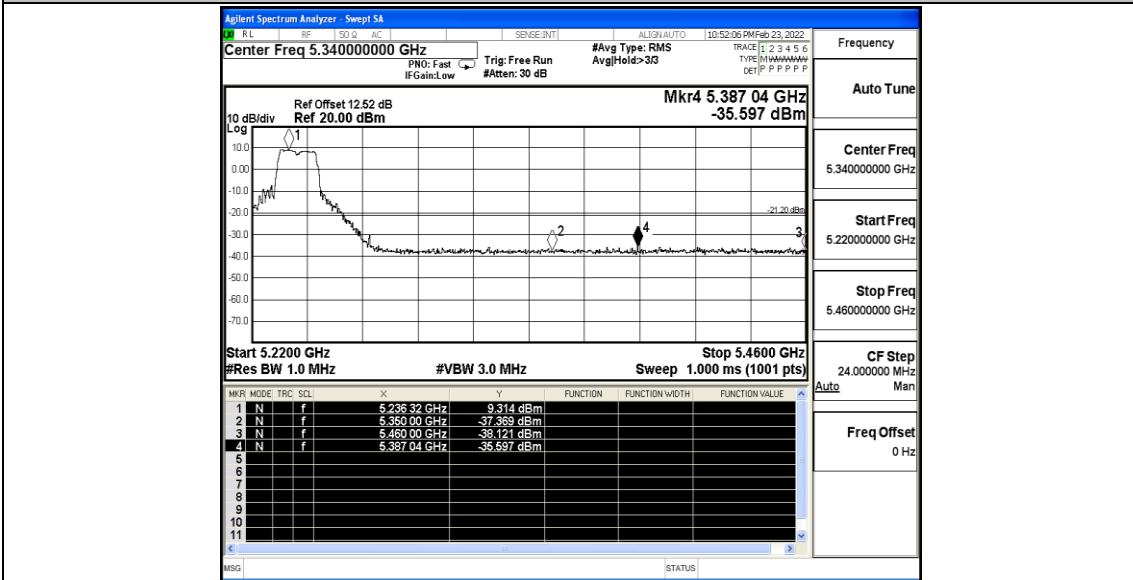


Test Graphs

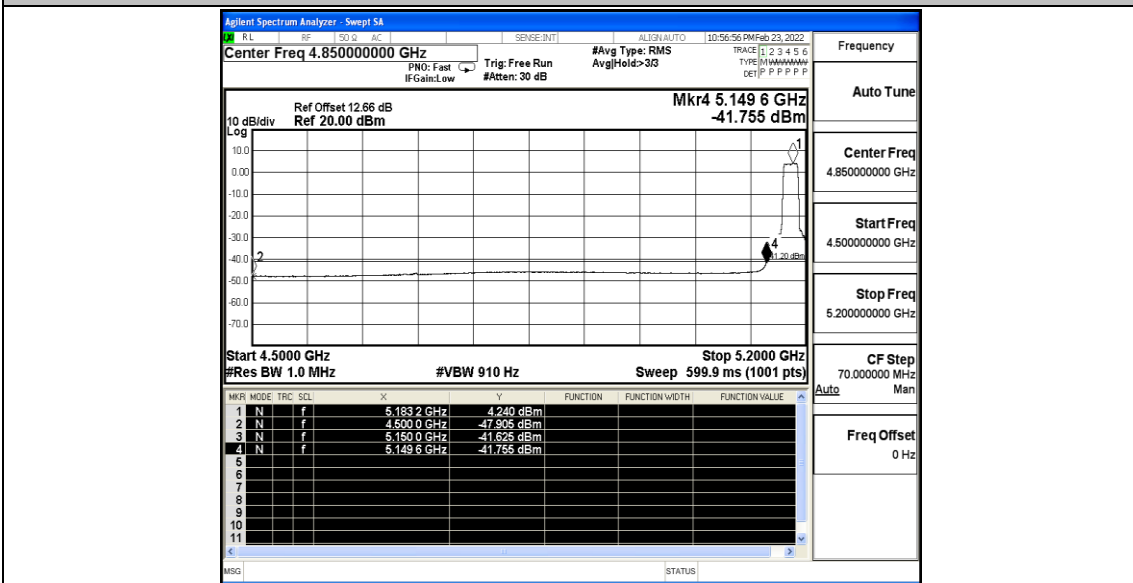




11A_Ant_High_5240_Peak

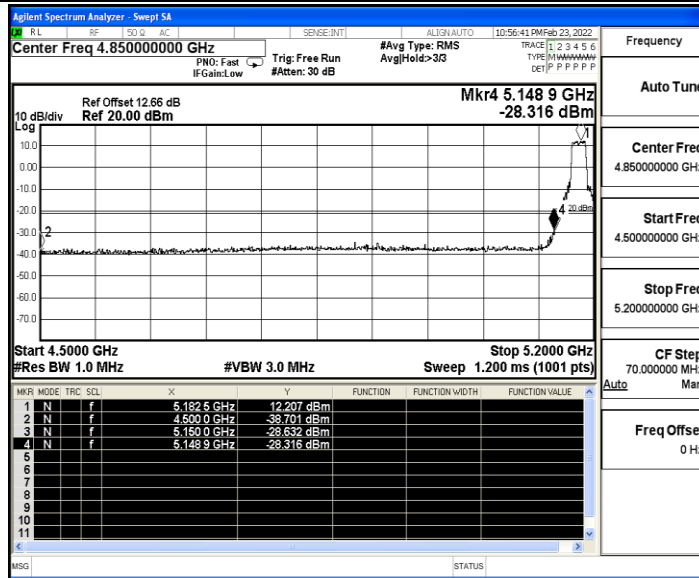


11N20SIS0_Ant_Low_5180_AV

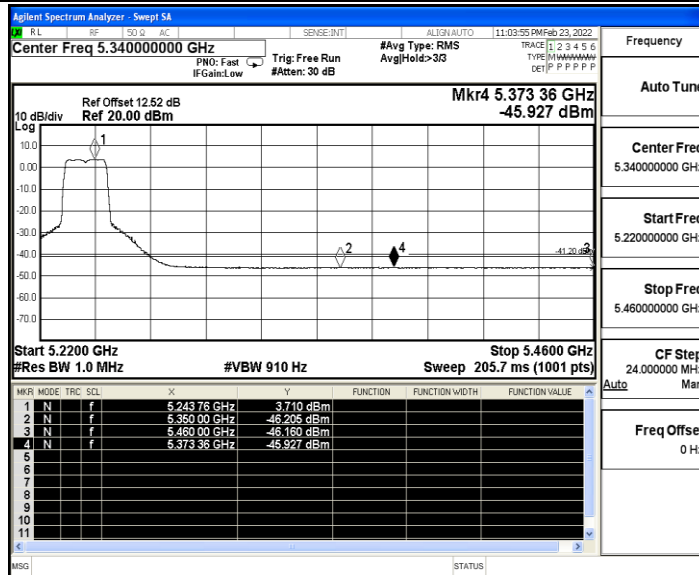




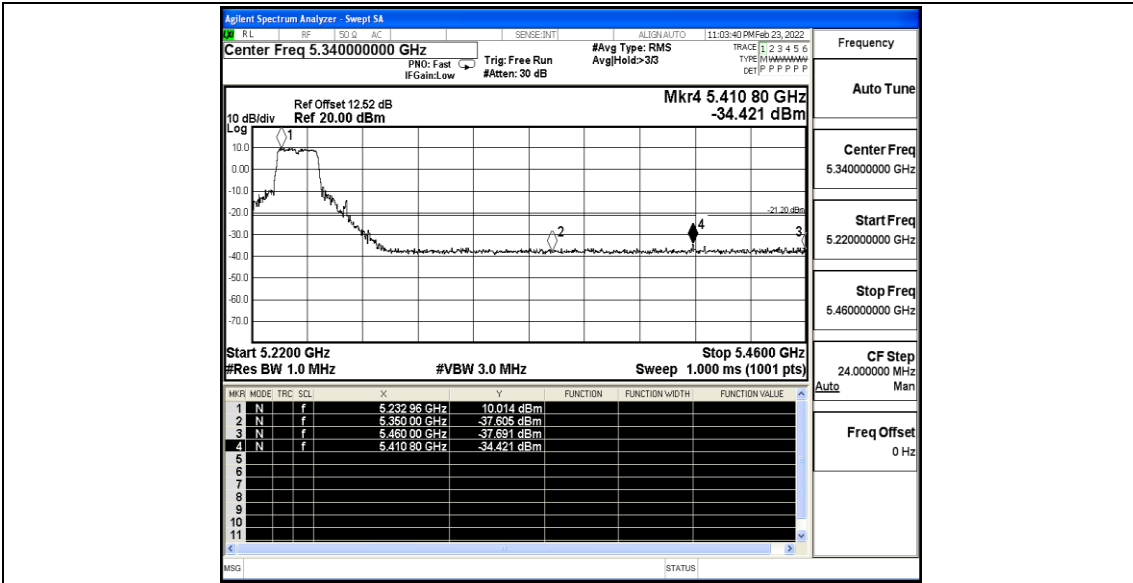
11N20SISO_Ant_Low_5180_Peak



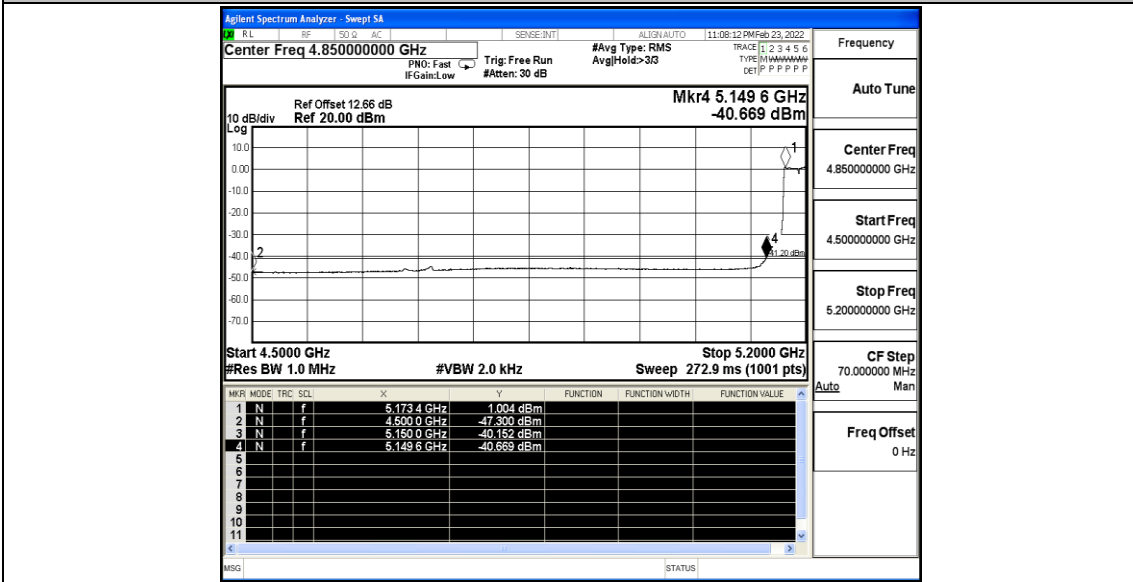
11N20SISO_Ant_High_5240_AV



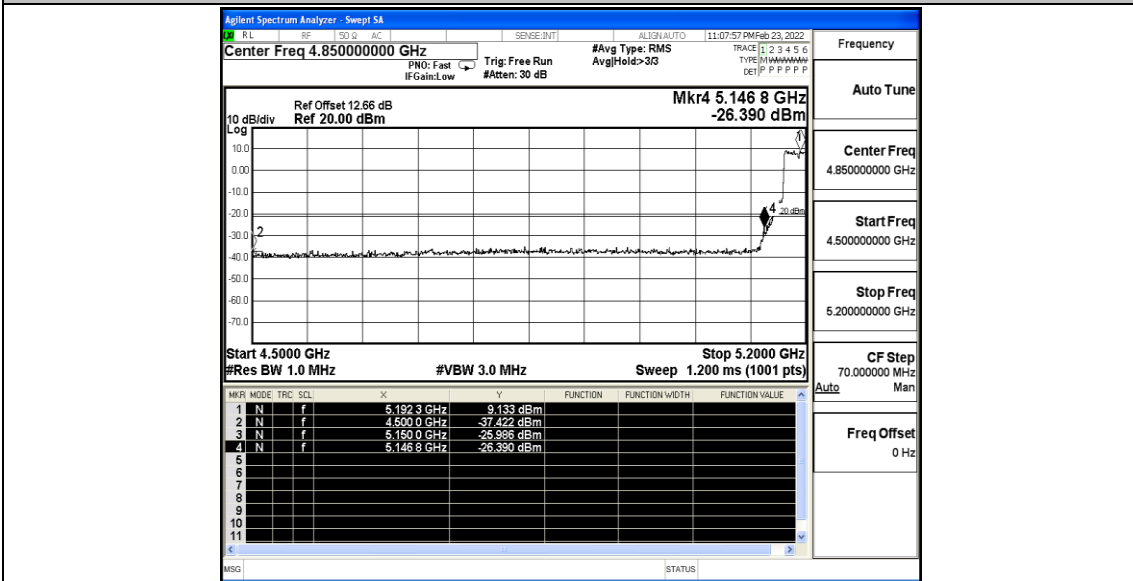
11N20SISO_Ant_High_5240_Peak



11N40SISO_Ant_Low_5190_AV

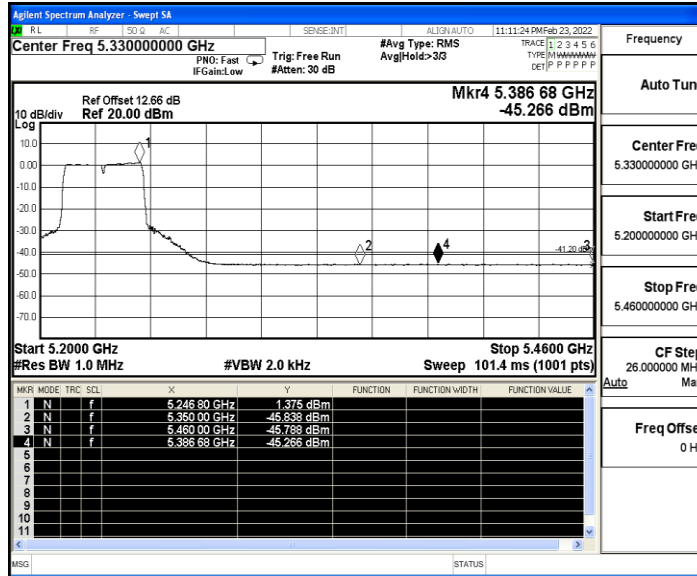


11N40SISO_Ant_Low_5190_Peak

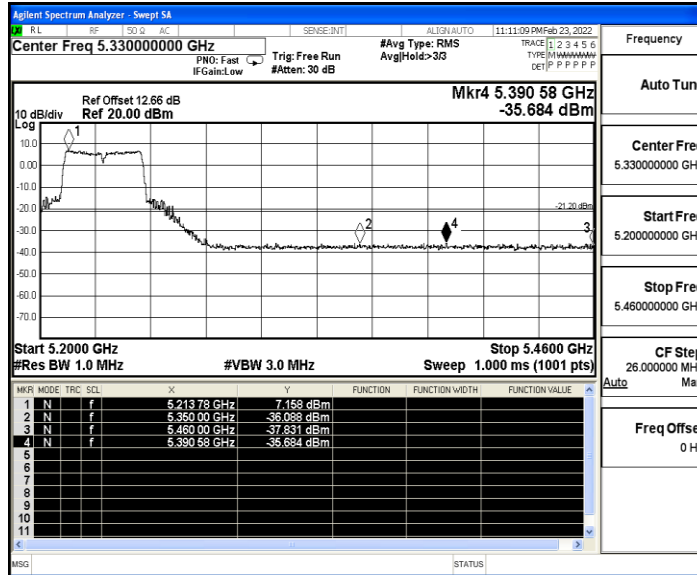




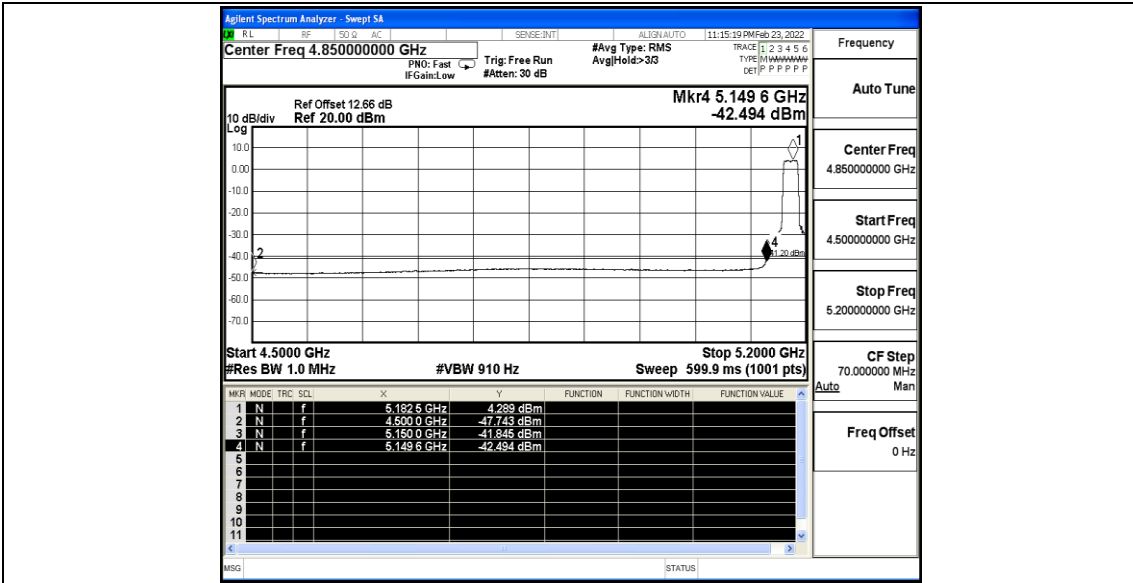
11N40SISO_Ant_High_5230_AV



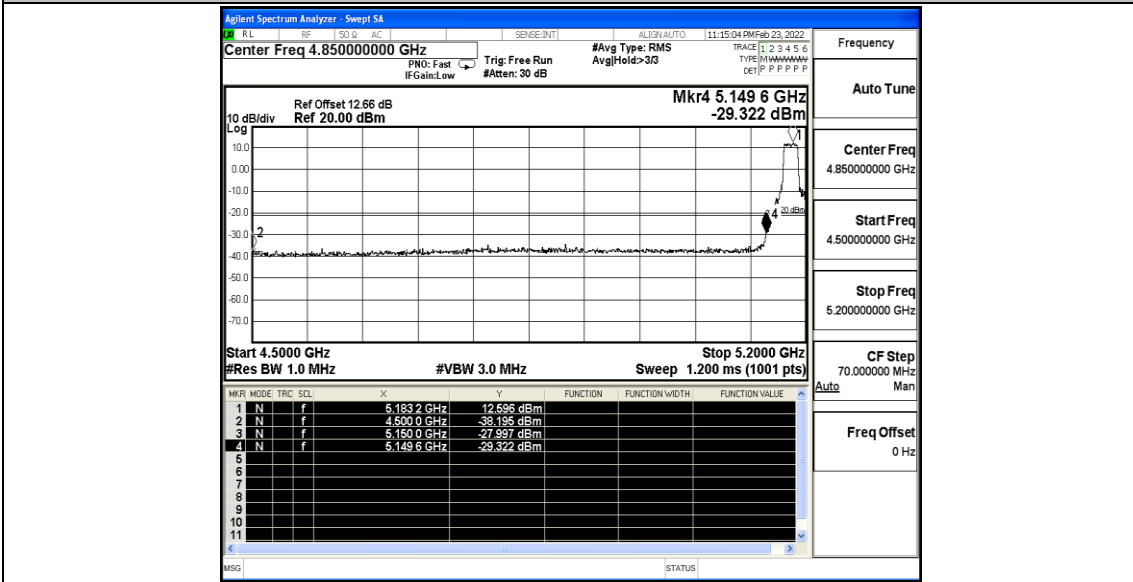
11N40SISO_Ant_High_5230_Peak



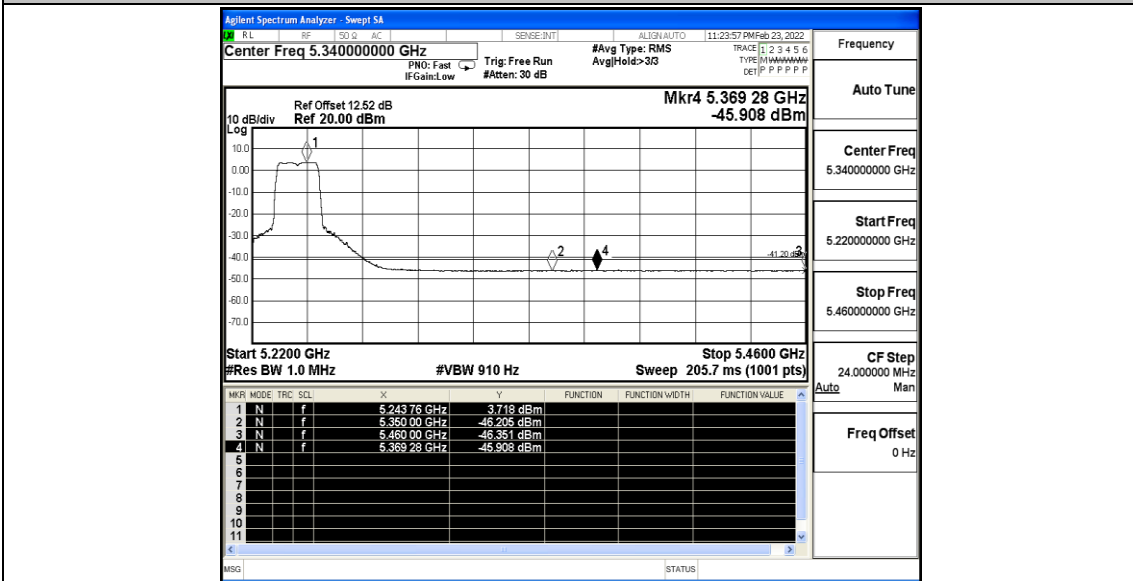
11AC20SISO_Ant_Low_5180_AV



11AC20SISO_Ant_Low_5180_Peak

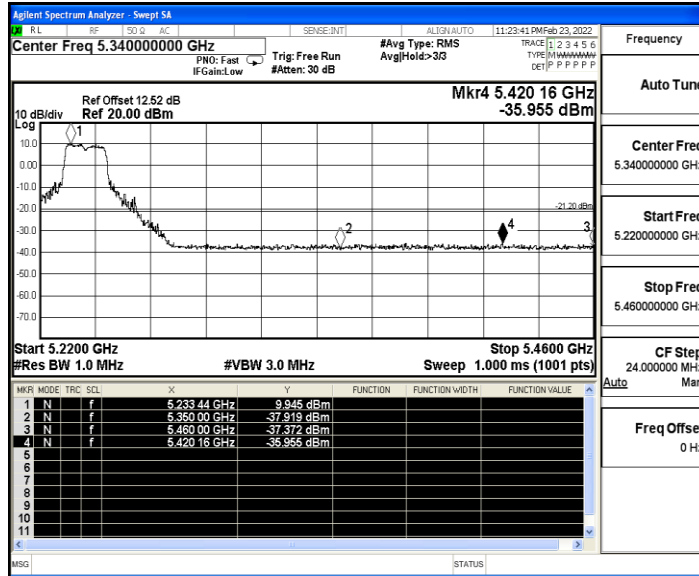


11AC20SISO_Ant_High_5240_AV

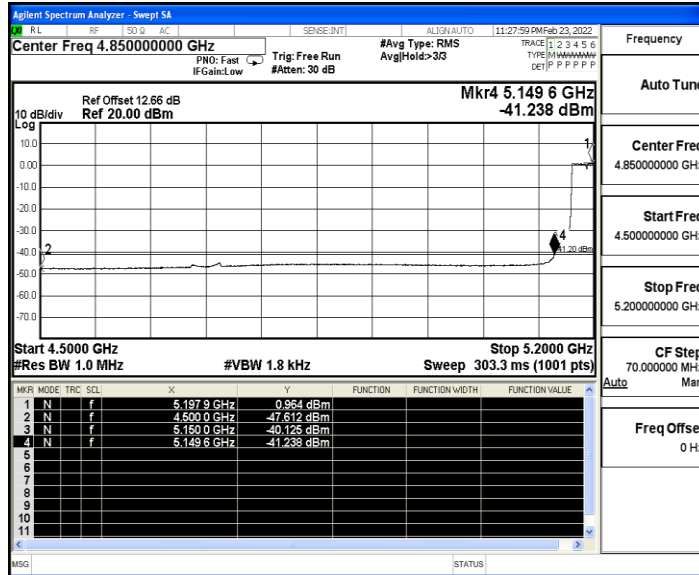




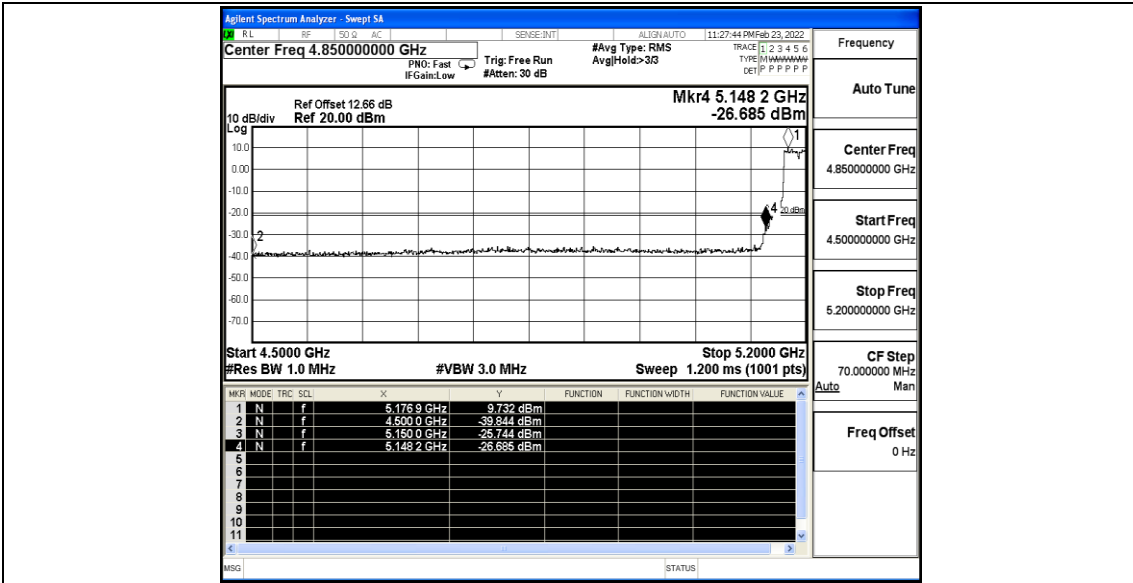
11AC20SISO_Ant_High_5240_Peak



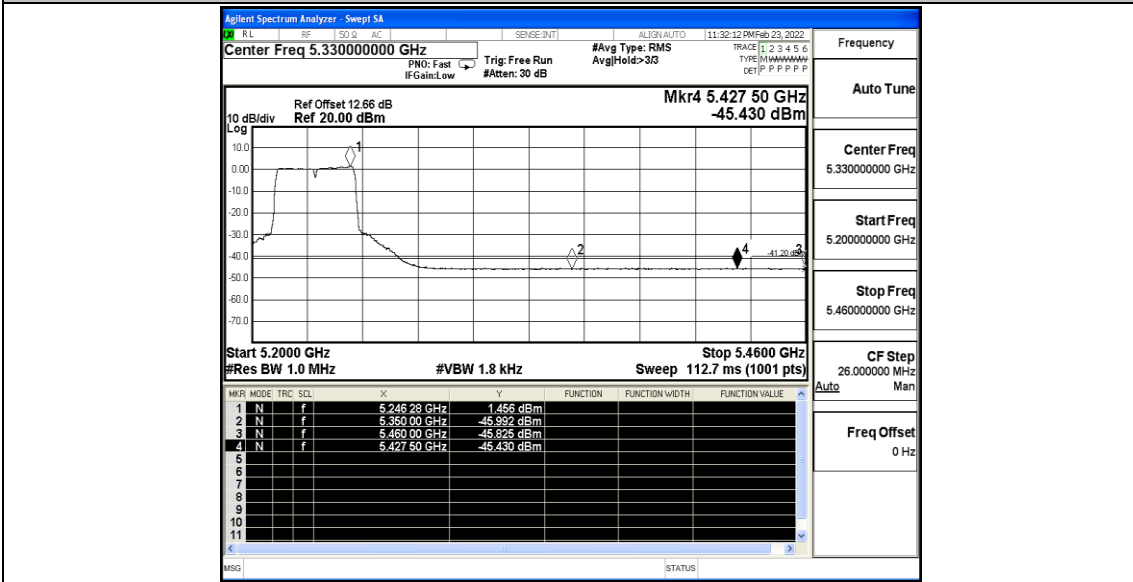
11AC40SISO_Ant_Low_5190_AV



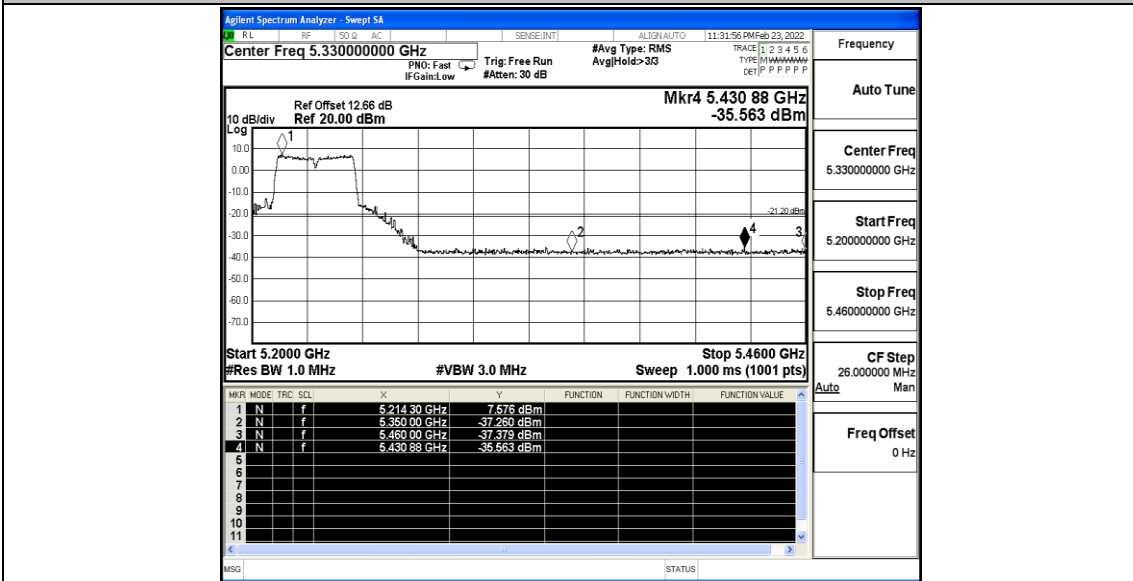
11AC40SISO_Ant_Low_5190_Peak



11AC40SISO_Ant_High_5230_AV

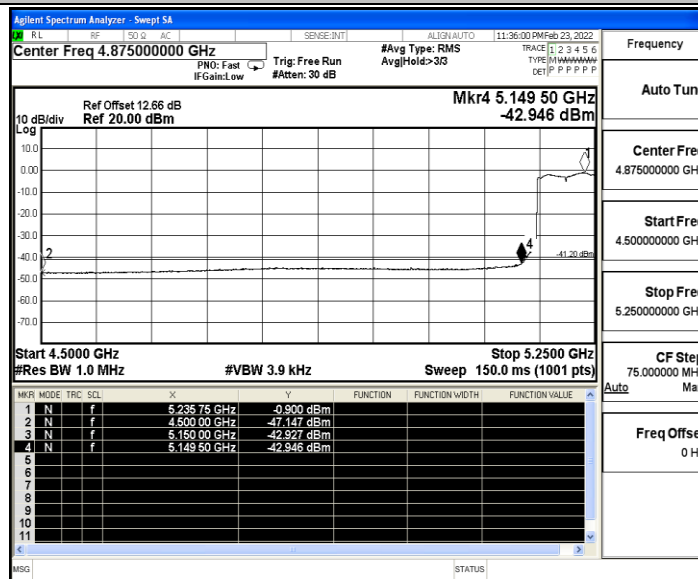


11AC40SISO_Ant_High_5230_Peak

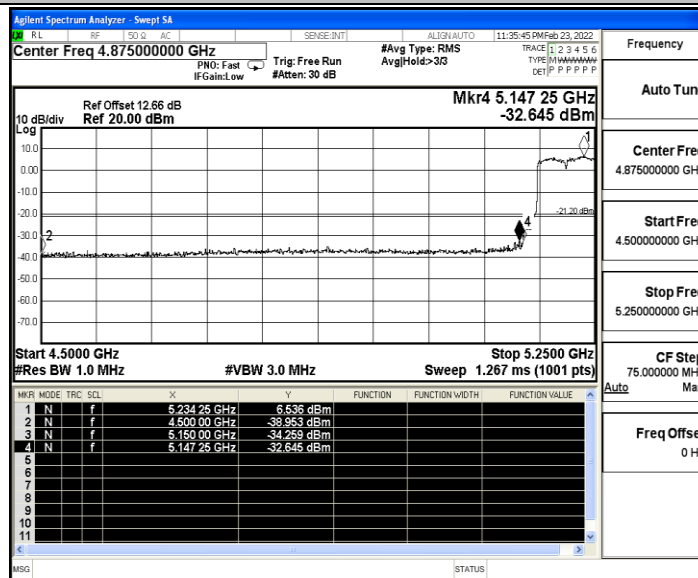




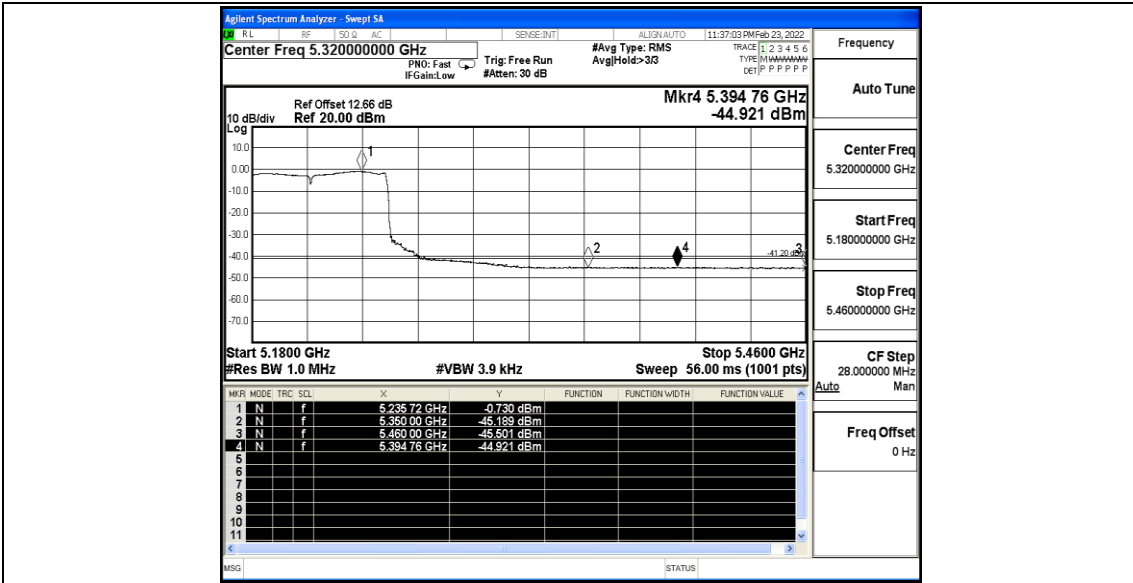
11AC80SISO_Ant_Low_5210_AV



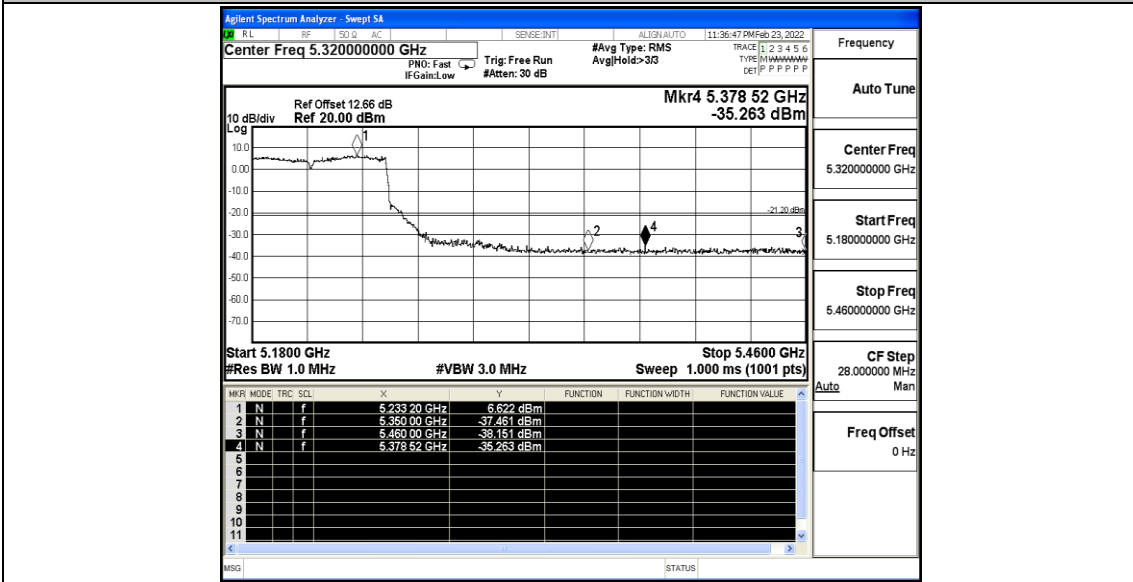
11AC80SISO_Ant_Low_5210_Peak



11AC80SISO_Ant_High_5210_AV



11AC80SISO_Ant_High_5210_Peak





D.5 Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant	5180	1.54	1.54	100	---	---
		5220	1.54	1.54	100	---	---
		5240	1.54	1.54	100	---	---
11N20SISO	Ant	5180	1.32	1.32	100	---	---
		5220	1.33	1.33	100	---	---
		5240	1.33	1.33	100	---	---
11N40SISO	Ant	5190	0.73	0.73	100	---	---
		5230	0.73	0.73	100	---	---
11AC20SISO	Ant	5180	1.33	1.33	100	---	---
		5220	1.34	1.34	100	---	---
		5240	1.33	1.33	100	---	---
11AC40SISO	Ant	5190	0.74	0.74	100	---	---
		5230	0.74	0.74	100	---	---
11AC80SISO	Ant	5210	0.44	0.44	100	---	---