



Appendix D

RF Test Data for 5.2G 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



D.1 26dB Bandwidth

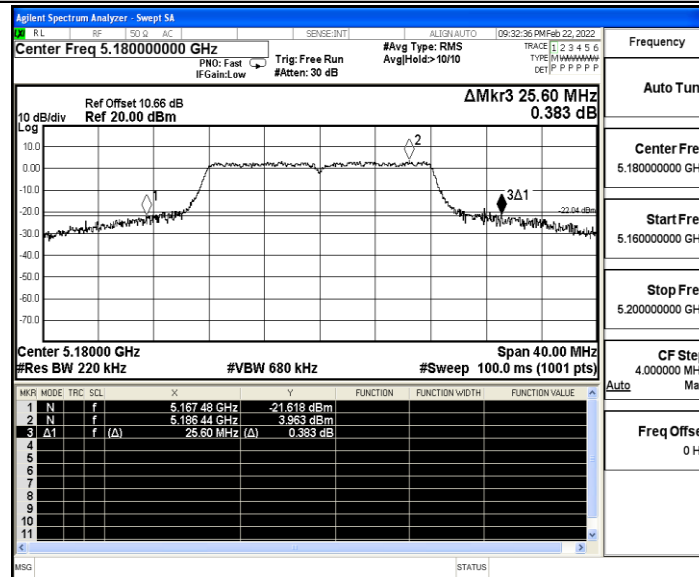
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant	5180	25.600	5167.480	5193.080	---	---
		5220	27.560	5206.560	5234.120	---	---
		5240	26.400	5227.440	5253.840	---	---
11N20SISO	Ant	5180	30.160	5164.720	5194.880	---	---
		5220	34.880	5203.000	5237.880	---	---
		5240	30.160	5225.760	5255.920	---	---
11N40SISO	Ant	5190	54.560	5166.080	5220.640	---	---
		5230	48.960	5209.600	5258.560	---	---
11AC20SISO	Ant	5180	31.360	5165.240	5196.600	---	---
		5220	31.600	5203.400	5235.000	---	---
		5240	32.200	5224.680	5256.880	---	---
11AC40SISO	Ant	5190	49.280	5164.320	5213.600	---	---
		5230	48.800	5204.320	5253.120	---	---
11AC80SISO	Ant	5210	85.760	5168.400	5254.160	---	---

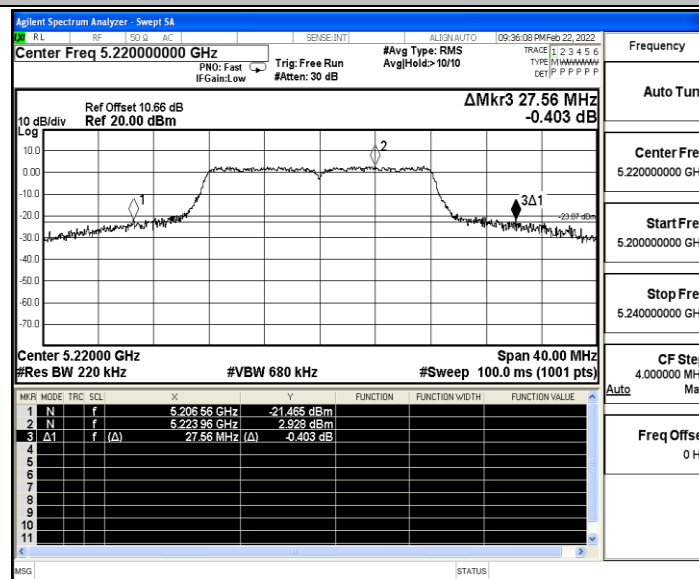


Test Graphs

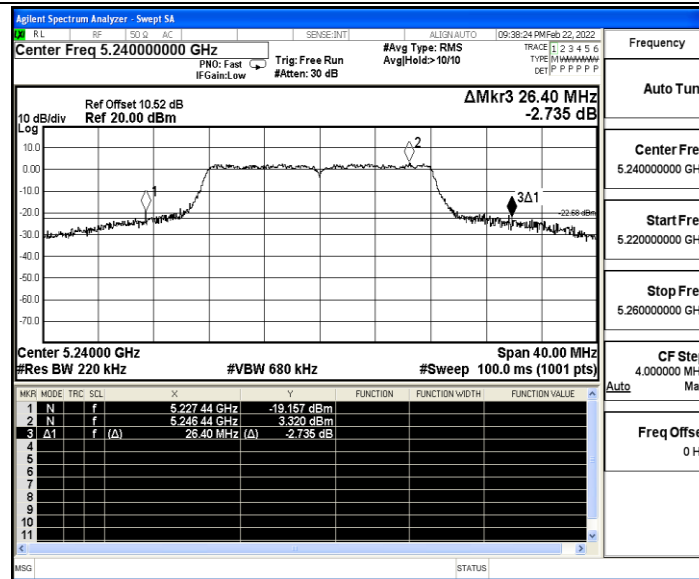
11A_Ant_5180



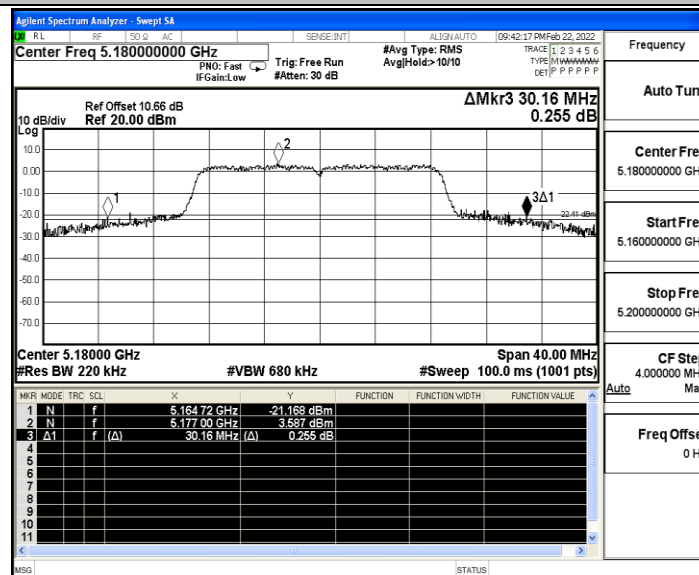
11A_Ant_5220



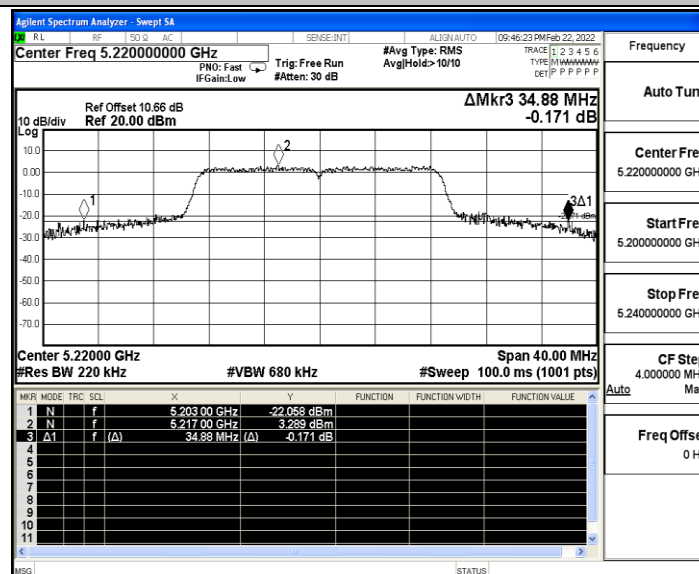
11A_Ant_5240



11N20SISO_Ant_5180

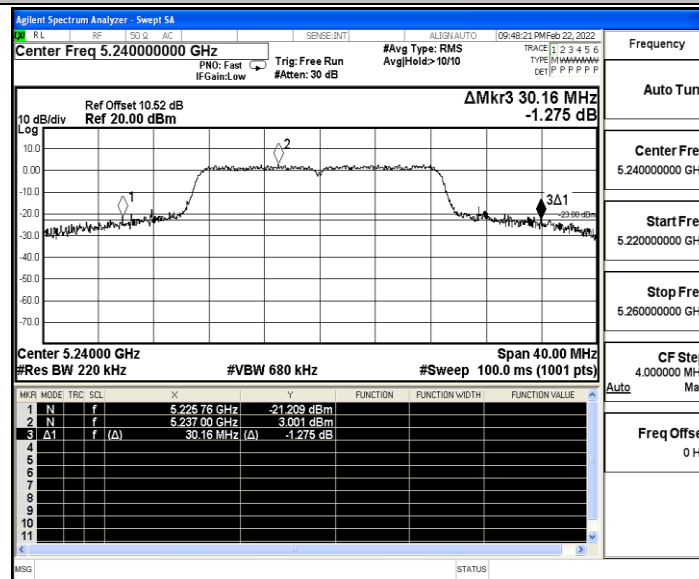


11N20SISO_Ant_5220

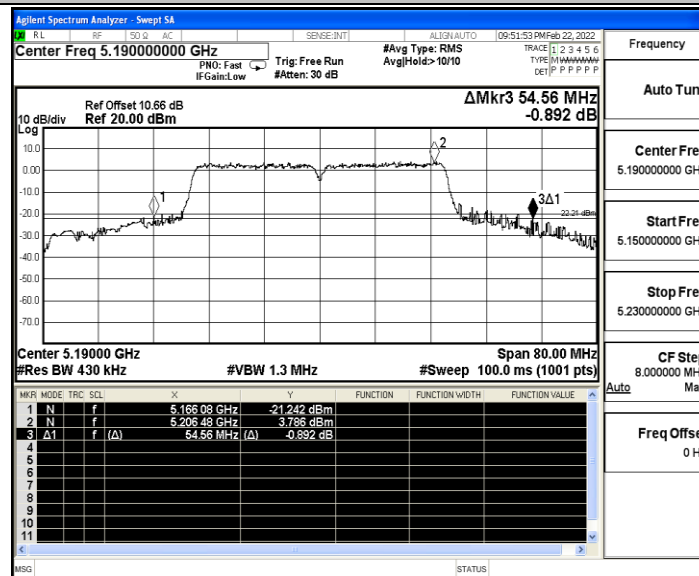




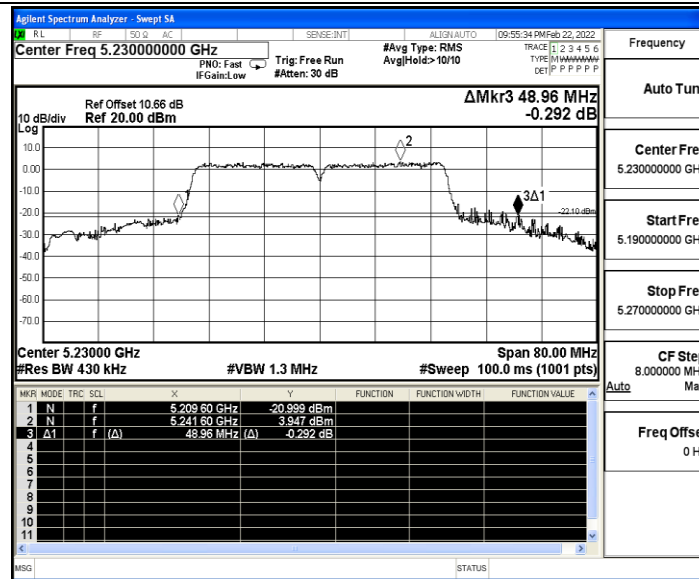
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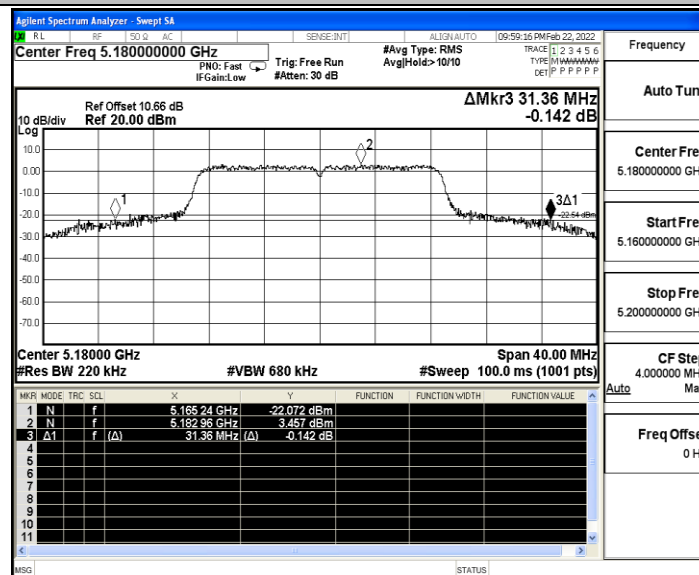
11N40SISO_Ant_5190



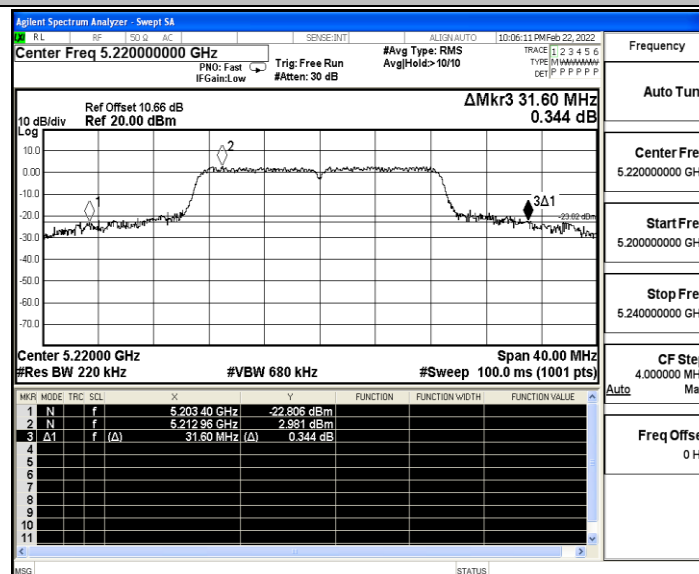
11N40SISO_Ant_5230



11AC20SISO_Ant_5180

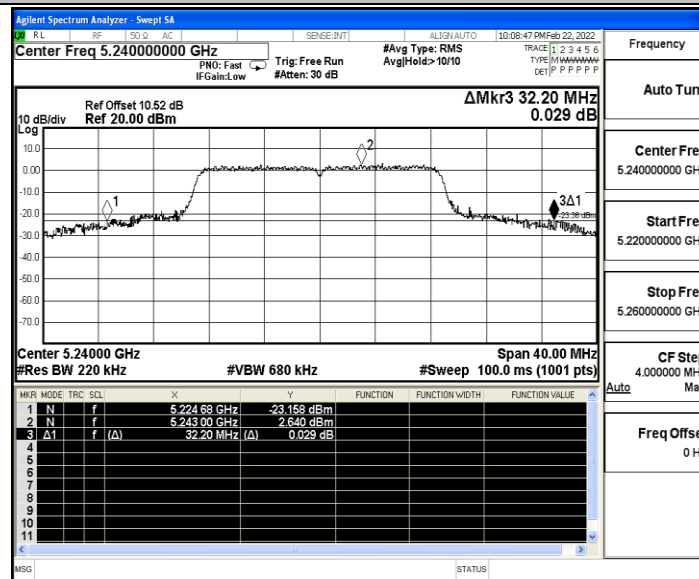


11AC20SISO_Ant_5220

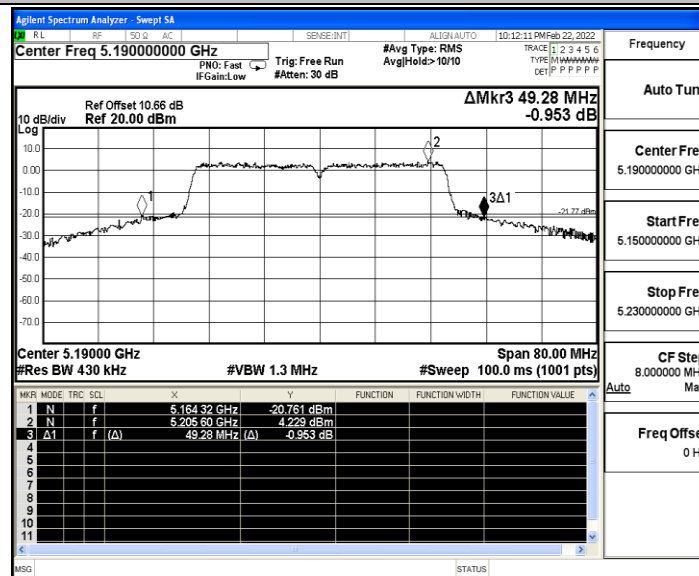




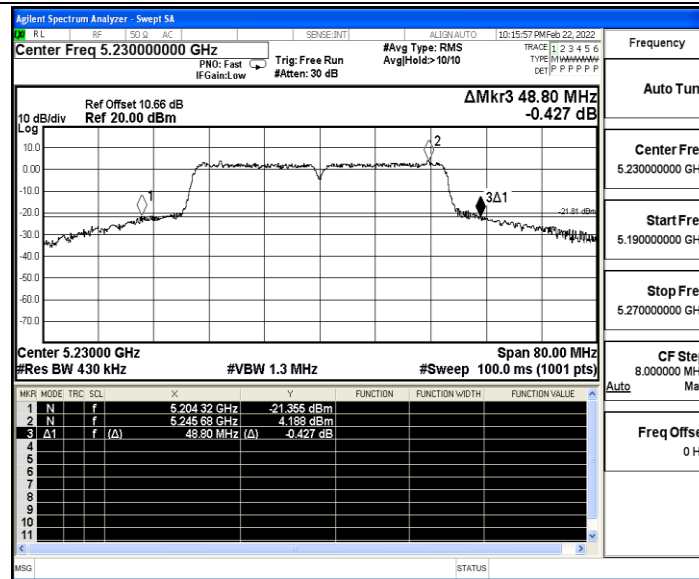
11AC20SISO_Ant_5240



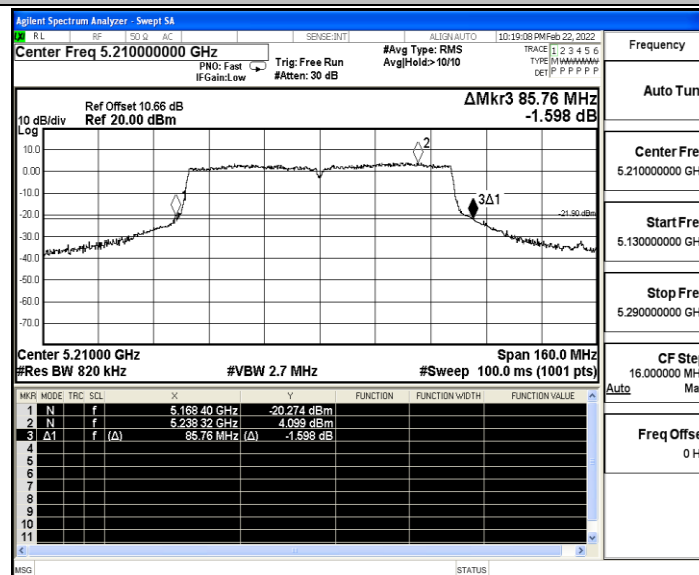
11AC40SISO_Ant_5190



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	13.53	≤ 23.98	PASS
		5220	12.80	≤ 23.98	PASS
		5240	12.58	≤ 23.98	PASS
11N20SISO	Ant	5180	13.42	≤ 23.98	PASS
		5220	12.98	≤ 23.98	PASS
		5240	12.71	≤ 23.98	PASS
11N40SISO	Ant	5190	13.09	≤ 23.98	PASS
		5230	12.69	≤ 23.98	PASS
11AC20SISO	Ant	5180	13.68	≤ 23.98	PASS
		5220	13.06	≤ 23.98	PASS
		5240	12.76	≤ 23.98	PASS
11AC40SISO	Ant	5190	13.22	≤ 23.98	PASS
		5230	13.15	≤ 23.98	PASS
11AC80SISO	Ant	5210	13.30	≤ 23.98	PASS

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



D.3 Maximum power spectral density

Test Result

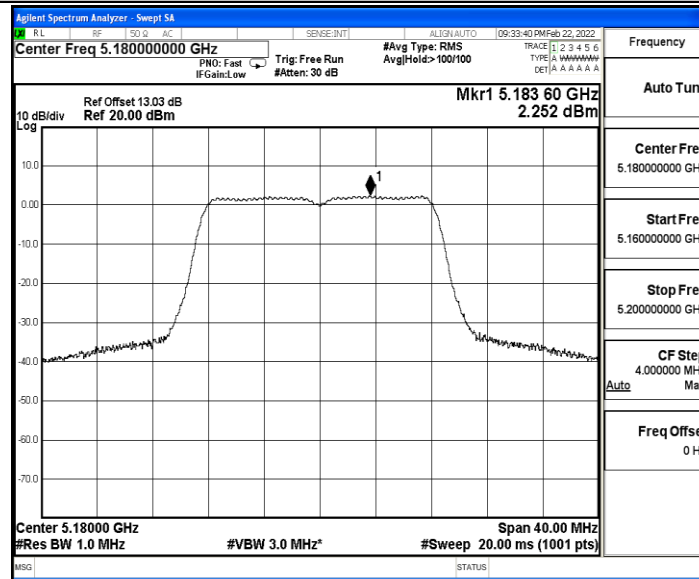
TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant	5180	2.36	≤11.00	PASS
		5220	1.44	≤11.00	PASS
		5240	1.40	≤11.00	PASS
11N20SISO	Ant	5180	2.12	≤11.00	PASS
		5220	1.99	≤11.00	PASS
		5240	1.41	≤11.00	PASS
11N40SISO	Ant	5190	-0.92	≤11.00	PASS
		5230	-1.22	≤11.00	PASS
11AC20SISO	Ant	5180	2.23	≤11.00	PASS
		5220	1.65	≤11.00	PASS
		5240	1.48	≤11.00	PASS
11AC40SISO	Ant	5190	-0.71	≤11.00	PASS
		5230	-0.85	≤11.00	PASS
11AC80SISO	Ant	5210	-3.27	≤11.00	PASS

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

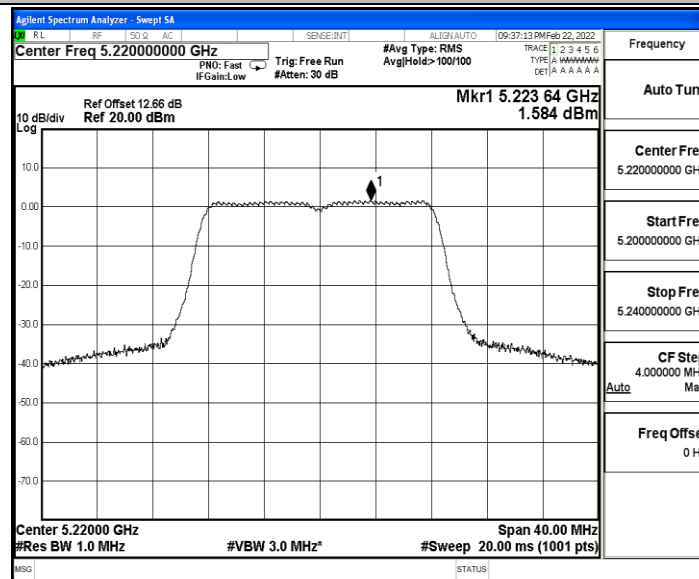


Test Graphs

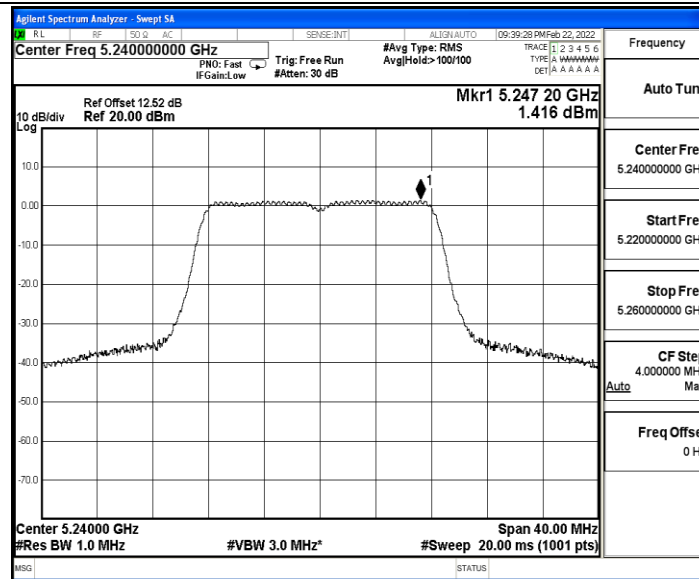
11A_Ant_5180



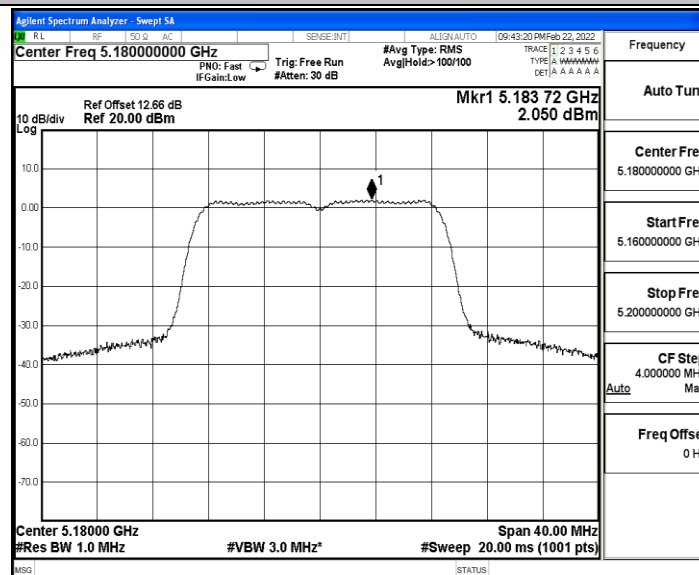
11A_Ant_5220



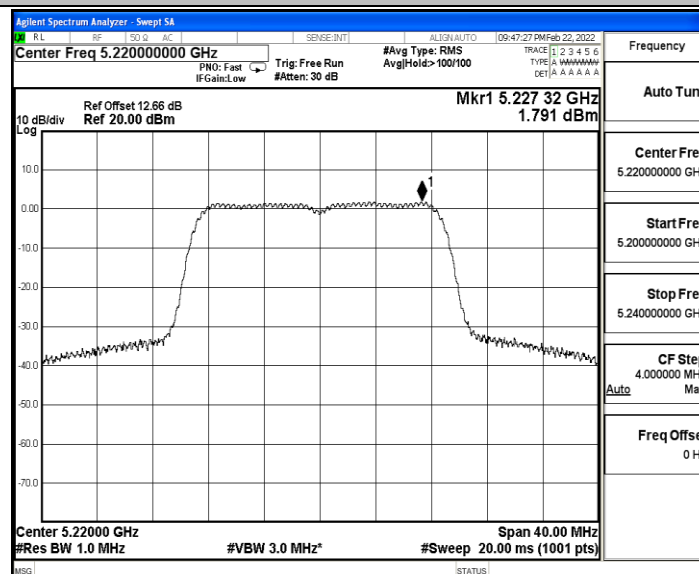
11A_Ant_5240



11N20SISO_Ant_5180

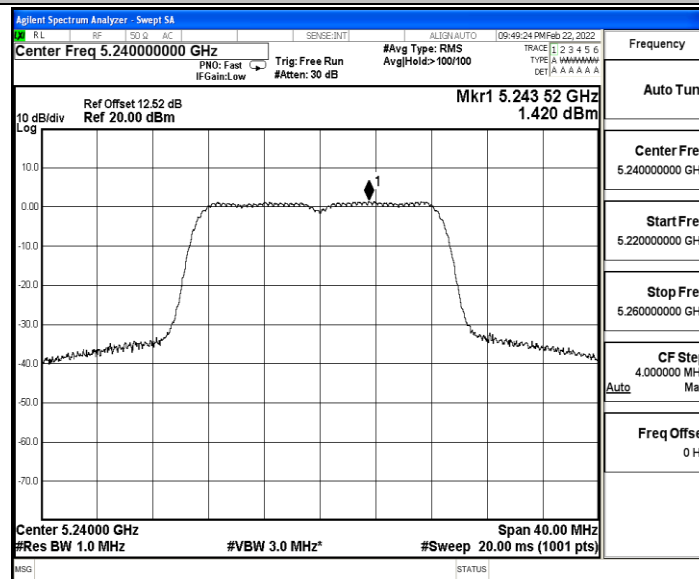


11N20SISO_Ant_5220

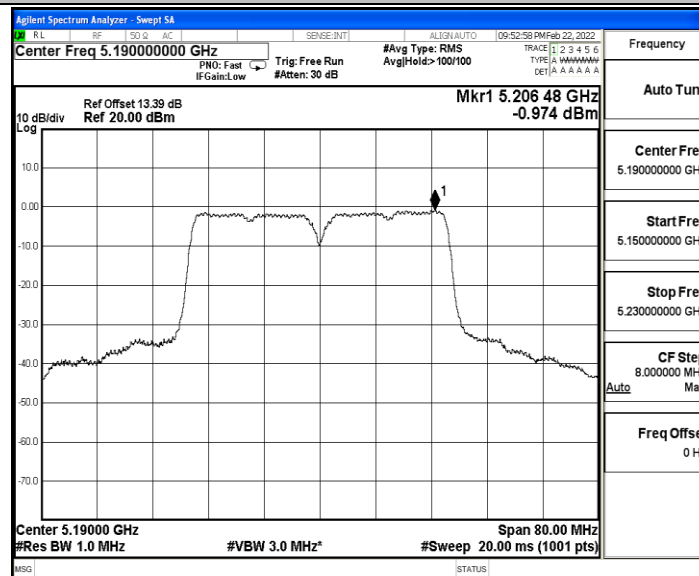




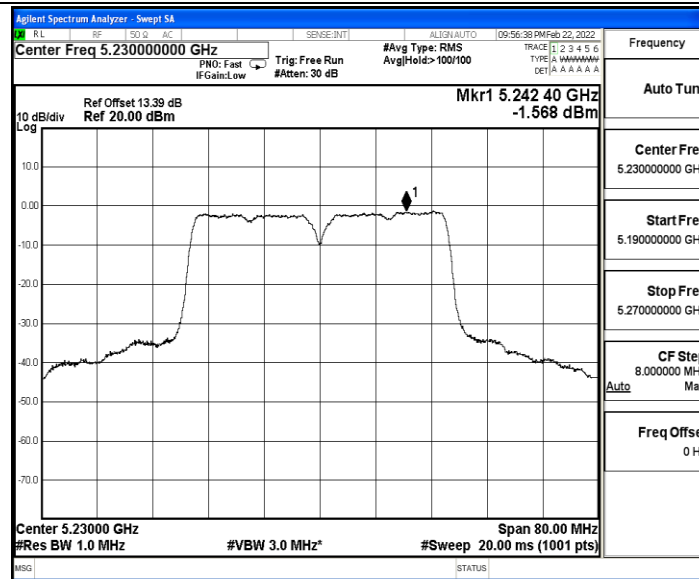
11N20SISO_Ant_5240



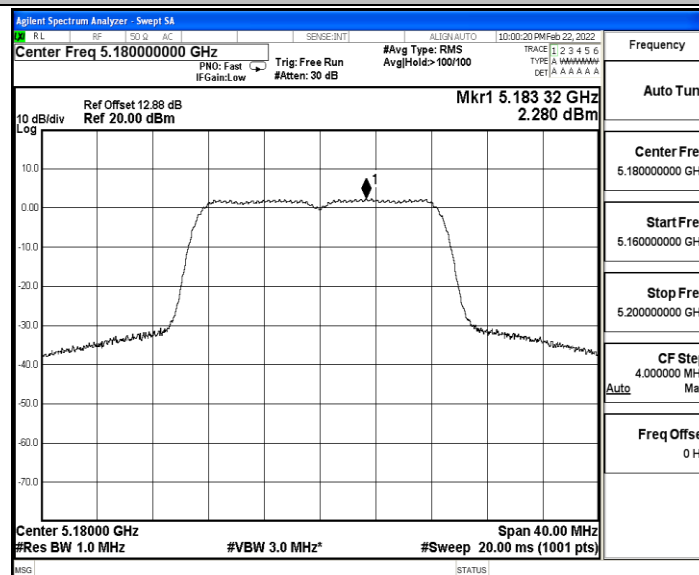
11N40SISO_Ant_5190



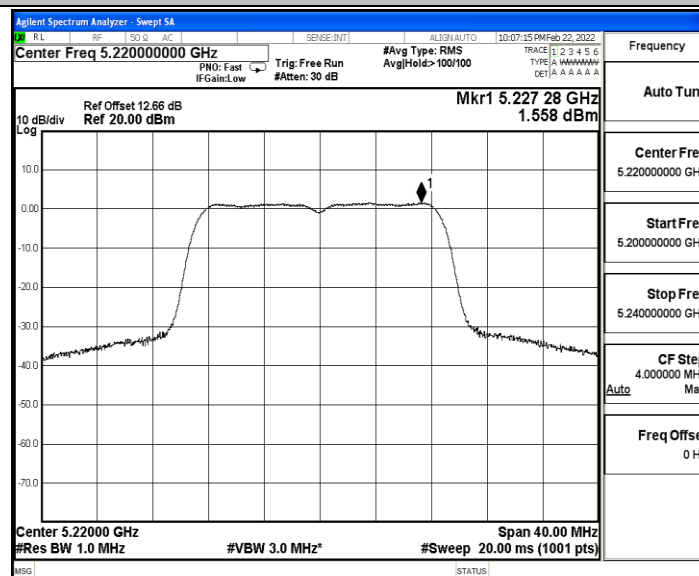
11N40SISO_Ant_5230



11AC20SISO_Ant_5180

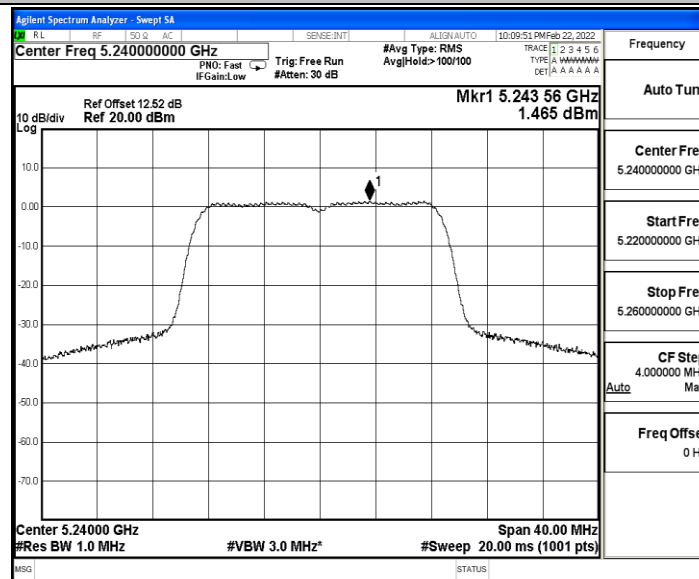


11AC20SISO_Ant_5220

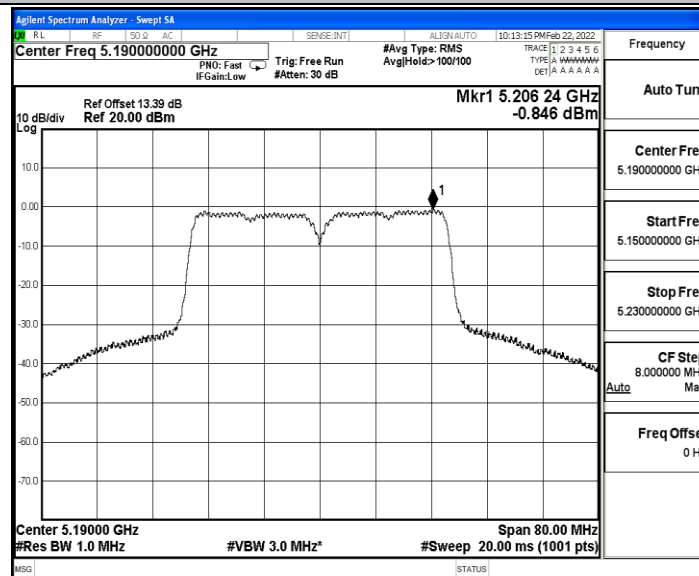




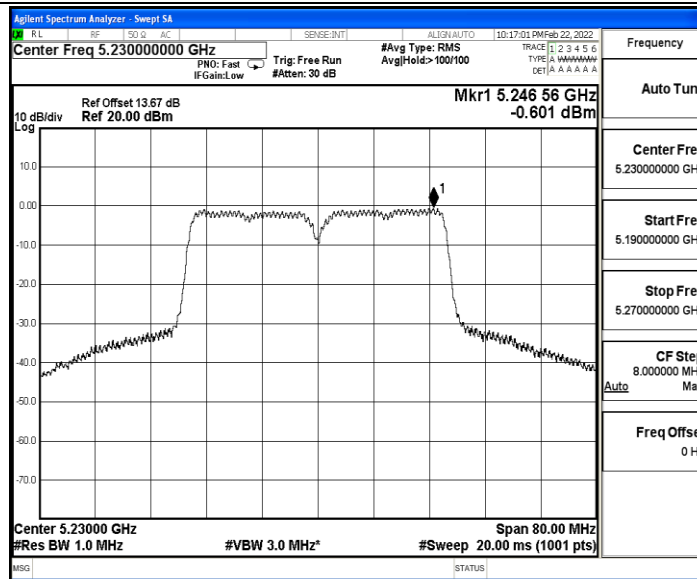
11AC20SISO_Ant_5240



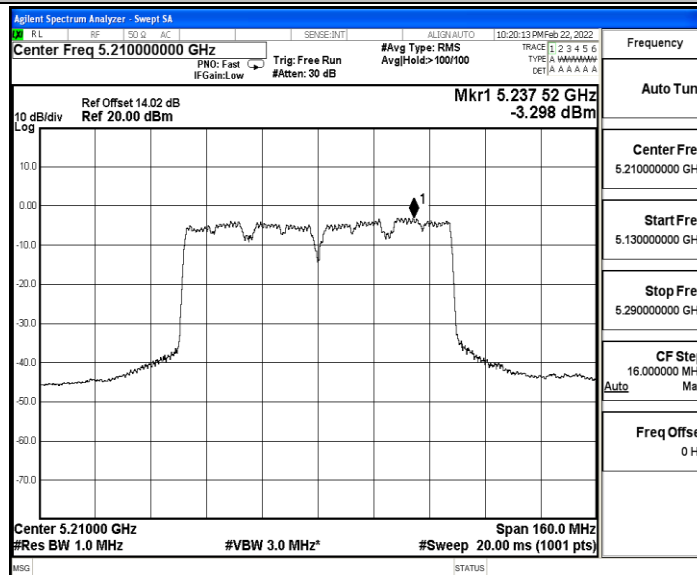
11AC40SISO_Ant_5190



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	-46.17	≤-41.20	49.03	≤54	PASS
				AV	4920.700	-43.58	≤-41.20	51.62	≤54	PASS
				AV	5150.000	-43.9	≤-41.20	51.30	≤54	PASS
				Peak	4500.000	-39.96	≤-21.20	55.24	≤68.2	PASS
				Peak	5123.700	-35.55	≤-21.20	59.65	≤68.2	PASS
				Peak	5150.000	-35.75	≤-21.20	59.45	≤68.2	PASS
		High	5240	AV	5350.000	-44.94	≤-41.20	50.26	≤54	PASS
				AV	5420.880	-43.54	≤-41.20	51.66	≤54	PASS
				AV	5460.000	-44.2	≤-41.20	51.00	≤54	PASS
				Peak	5350.000	-37.73	≤-21.20	57.47	≤68.2	PASS
				Peak	5442.000	-35.22	≤-21.20	59.98	≤68.2	PASS
				Peak	5460.000	-37.68	≤-21.20	57.52	≤68.2	PASS
11N20SIS O	Ant	Low	5180	AV	4500.000	-46.55	≤-41.20	48.65	≤54	PASS
				AV	4822.700	-43.67	≤-41.20	51.53	≤54	PASS
				AV	5150.000	-44.14	≤-41.20	51.06	≤54	PASS
				Peak	4500.000	-38.02	≤-21.20	57.18	≤68.2	PASS
				Peak	4867.500	-35.52	≤-21.20	59.68	≤68.2	PASS
				Peak	5150.000	-36.99	≤-21.20	58.21	≤68.2	PASS
		High	5240	AV	5350.000	-44.62	≤-41.20	50.58	≤54	PASS
				AV	5394.720	-43.61	≤-41.20	51.59	≤54	PASS
				AV	5460.000	-44.82	≤-41.20	50.38	≤54	PASS
				Peak	5350.000	-38.43	≤-21.20	56.77	≤68.2	PASS
				Peak	5354.400	-35.69	≤-21.20	59.51	≤68.2	PASS
				Peak	5460.000	-38.53	≤-21.20	56.67	≤68.2	PASS
11N40SIS O	Ant	Low	5190	AV	4500.000	-46.26	≤-41.20	48.94	≤54	PASS
				AV	4868.200	-43.13	≤-41.20	52.07	≤54	PASS
				AV	5150.000	-41.8	≤-41.20	53.40	≤54	PASS
				Peak	4500.000	-38.89	≤-21.20	56.31	≤68.2	PASS
				Peak	4974.600	-35.41	≤-21.20	59.79	≤68.2	PASS
				Peak	5150.000	-35.48	≤-21.20	59.72	≤68.2	PASS
		High	5230	AV	5350.000	-43.53	≤-41.20	51.67	≤54	PASS
				AV	5382.780	-43.53	≤-41.20	51.67	≤54	PASS
				AV	5460.000	-44.42	≤-41.20	50.78	≤54	PASS
				Peak	5350.000	-38.08	≤-21.20	57.12	≤68.2	PASS
				Peak	5367.960	-35.6	≤-21.20	59.60	≤68.2	PASS
				Peak	5460.000	-37.58	≤-21.20	57.62	≤68.2	PASS



11AC20SI SO	Ant	Low	5180	AV	4500.000	-46.49	≤-41.20	48.71	≤54	PASS
				AV	4815.000	-43.58	≤-41.20	51.62	≤54	PASS
				AV	5150.000	-43.6	≤-41.20	51.60	≤54	PASS
				Peak	4500.000	-39.02	≤-21.20	56.18	≤68.2	PASS
				Peak	5148.900	-35.31	≤-21.20	59.89	≤68.2	PASS
				Peak	5150.000	-34.33	≤-21.20	60.87	≤68.2	PASS
		High	5240	AV	5350.000	-44.79	≤-41.20	50.41	≤54	PASS
				AV	5446.800	-43.88	≤-41.20	51.32	≤54	PASS
				AV	5460.000	-44.87	≤-41.20	50.33	≤54	PASS
				Peak	5350.000	-37.47	≤-21.20	57.73	≤68.2	PASS
				Peak	5423.520	-35.93	≤-21.20	59.27	≤68.2	PASS
				Peak	5460.000	-37.78	≤-21.20	57.42	≤68.2	PASS
11AC40SI SO	Ant	Low	5190	AV	4500.000	-45.27	≤-41.20	49.93	≤54	PASS
				AV	5149.600	-42.36	≤-41.20	52.84	≤54	PASS
				AV	5150.000	-42.88	≤-41.20	52.32	≤54	PASS
				Peak	4500.000	-39.31	≤-21.20	55.89	≤68.2	PASS
				Peak	4889.200	-34.95	≤-21.20	60.25	≤68.2	PASS
				Peak	5150.000	-33.72	≤-21.20	61.48	≤68.2	PASS
		High	5230	AV	5350.000	-44.81	≤-41.20	50.39	≤54	PASS
				AV	5390.060	-43.35	≤-41.20	51.85	≤54	PASS
				AV	5460.000	-44.26	≤-41.20	50.94	≤54	PASS
				Peak	5350.000	-37.87	≤-21.20	57.33	≤68.2	PASS
				Peak	5434.000	-35.21	≤-21.20	59.99	≤68.2	PASS
				Peak	5460.000	-37.32	≤-21.20	57.88	≤68.2	PASS
11AC80SI SO	Ant	Low	5210	AV	4500.000	-45.71	≤-41.20	49.49	≤54	PASS
				AV	4858.500	-42.51	≤-41.20	52.69	≤54	PASS
				AV	5150.000	-42.15	≤-41.20	53.05	≤54	PASS
				Peak	4500.000	-39.12	≤-21.20	56.08	≤68.2	PASS
				Peak	5148.750	-34.57	≤-21.20	60.63	≤68.2	PASS
				Peak	5150.000	-35.2	≤-21.20	60.00	≤68.2	PASS
		High	5210	AV	5350.000	-43.47	≤-41.20	51.73	≤54	PASS
				AV	5400.360	-42.8	≤-41.20	52.40	≤54	PASS
				AV	5460.000	-44.21	≤-41.20	50.99	≤54	PASS
				Peak	5350.000	-38.28	≤-21.20	56.92	≤68.2	PASS
				Peak	5404.560	-35.6	≤-21.20	59.60	≤68.2	PASS
				Peak	5460.000	-37.61	≤-21.20	57.59	≤68.2	PASS

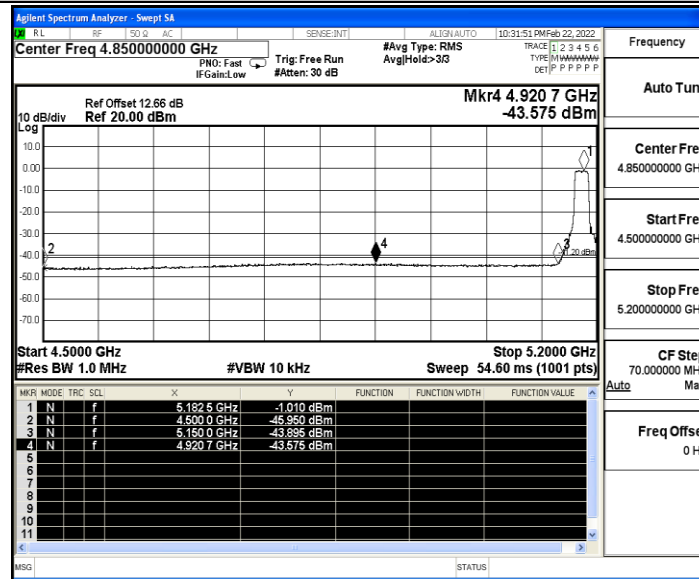
Note:

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.

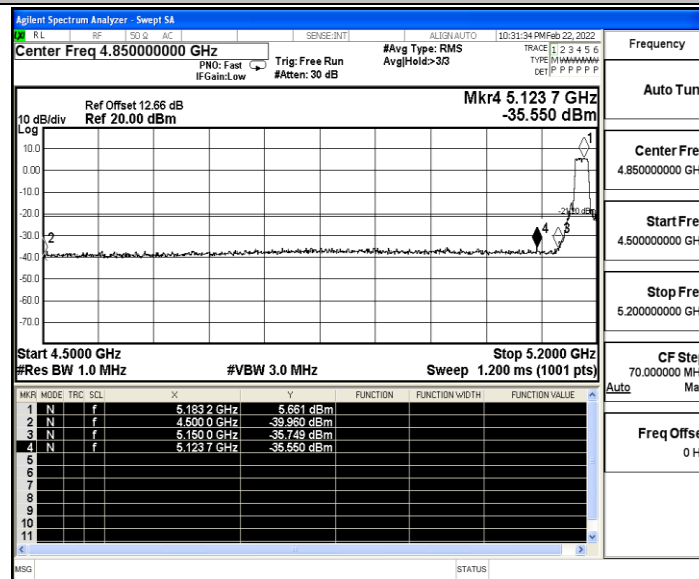


Test Graphs

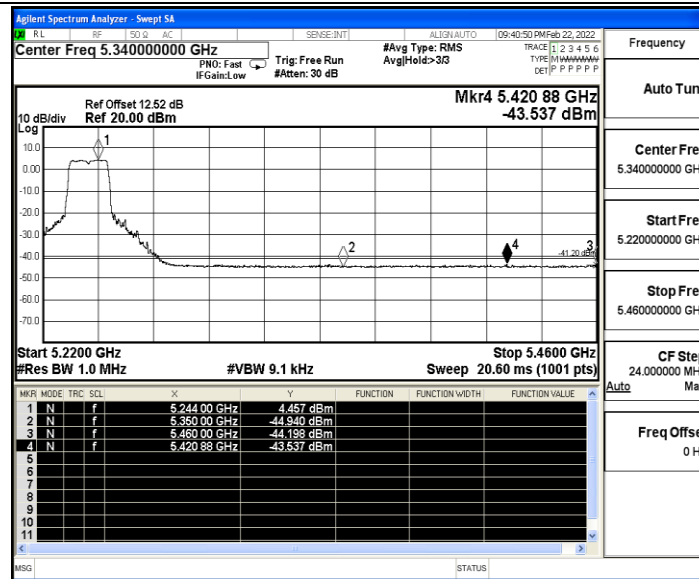
11A_Ant_Low_5180_AV



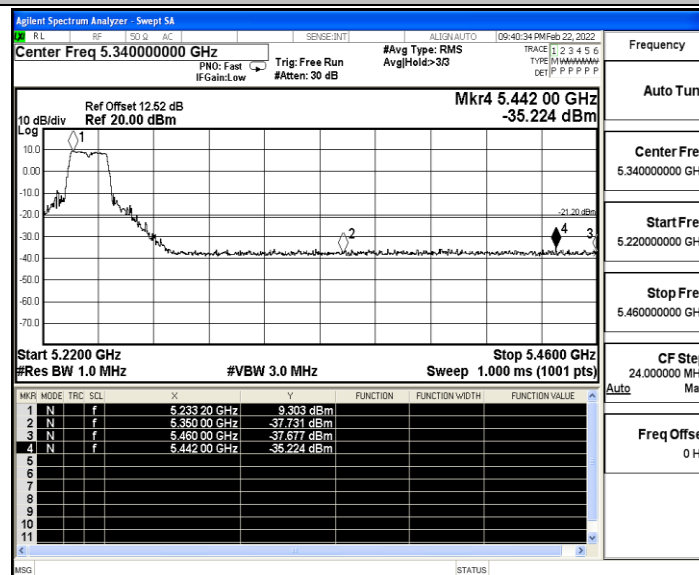
11A_Ant_Low_5180_Peak



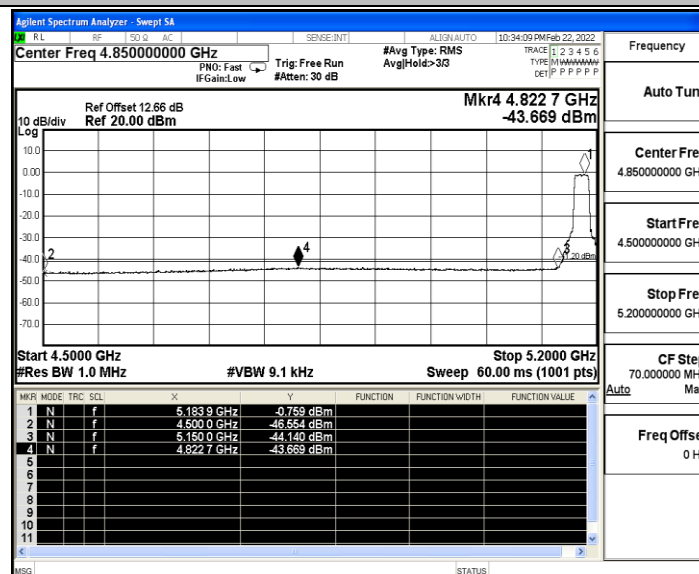
11A_Ant_High_5240_AV



11A_Ant_High_5240_Peak

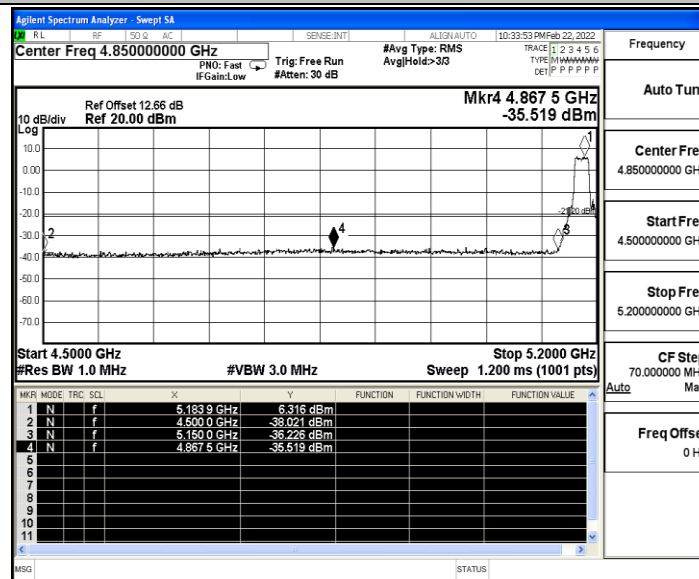


11N20SISO_Ant_Low_5180_AV

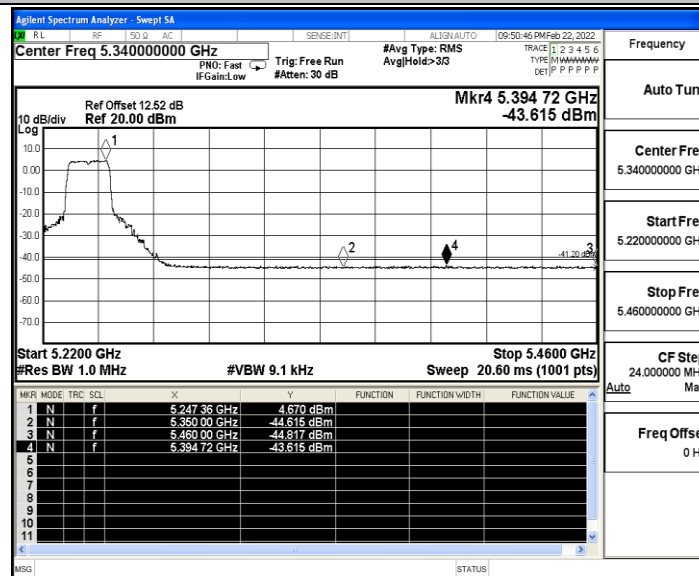




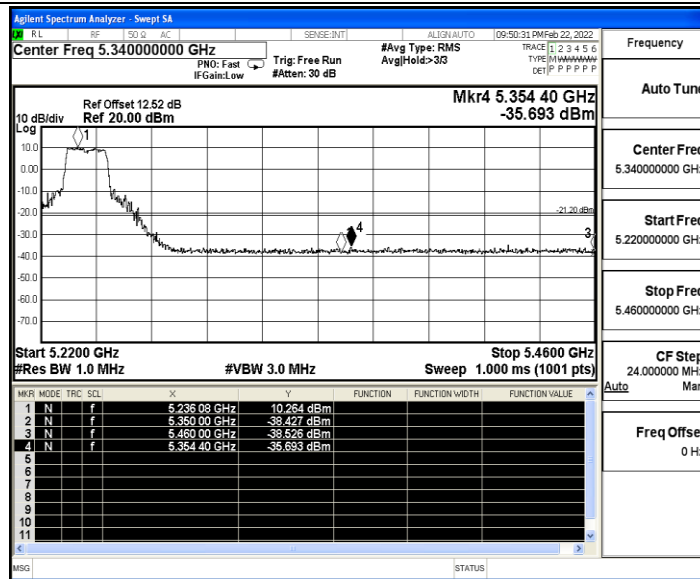
11N20SISO_Ant_Low_5180_Peak



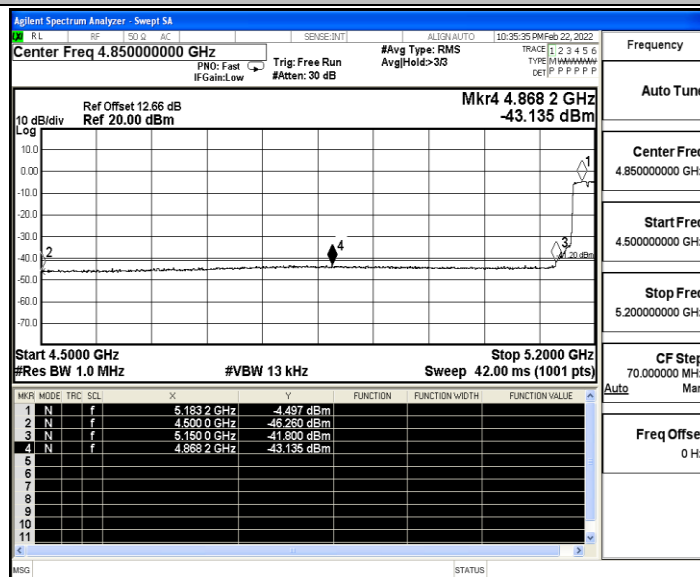
11N20SISO_Ant_High_5240_AV



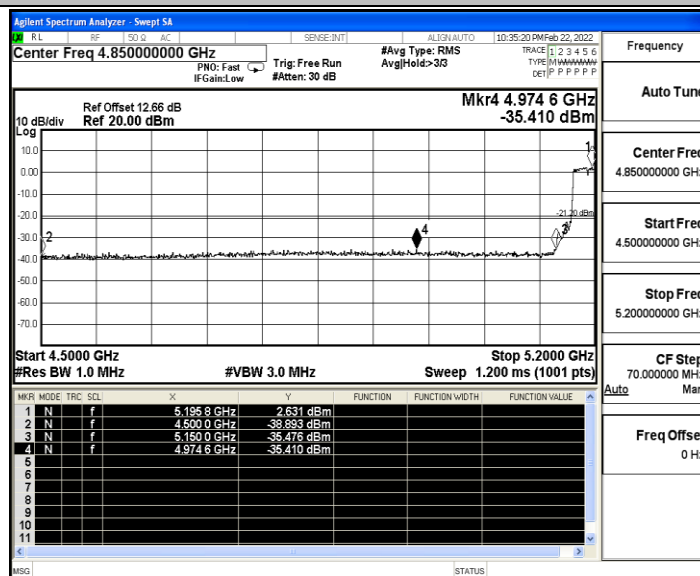
11N20SISO_Ant_High_5240_Peak



11N40SISO_Ant_Low_5190_AV

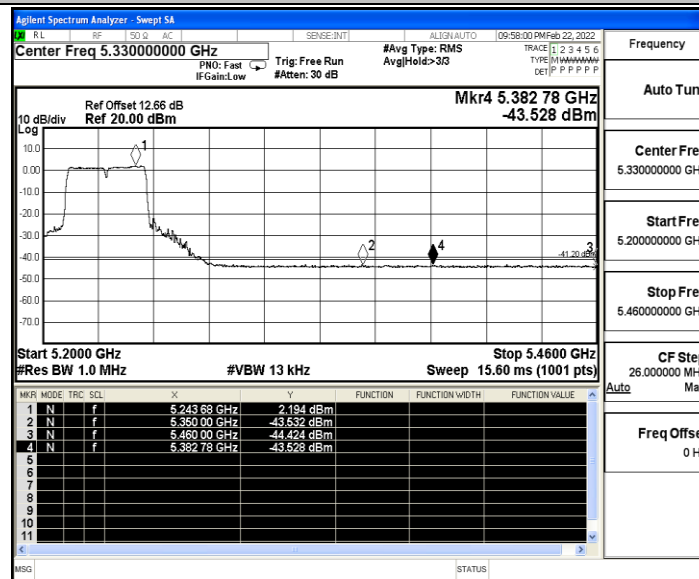


11N40SISO_Ant_Low_5190_Peak

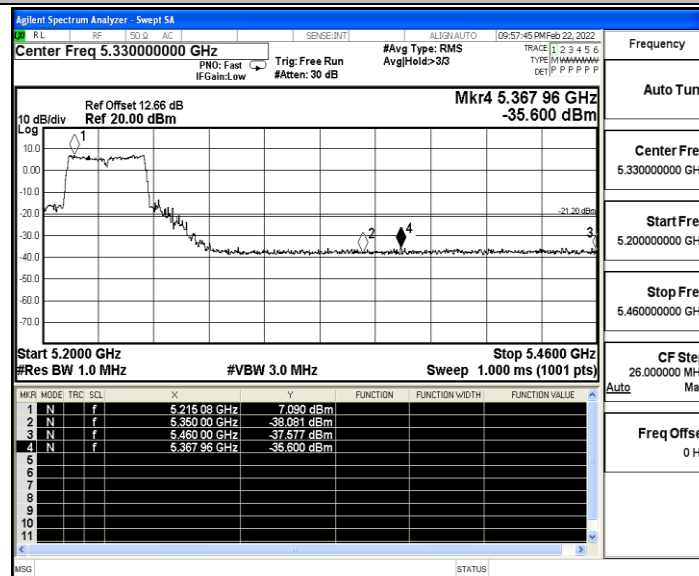




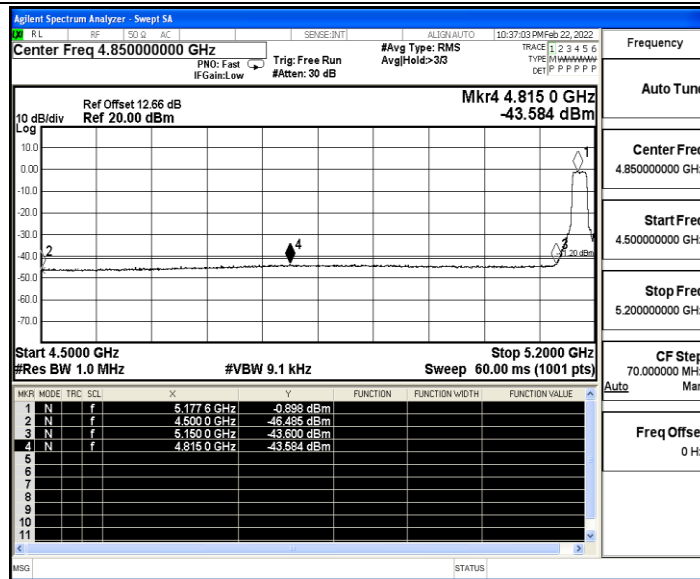
11N40SISO_Ant_High_5230_AV



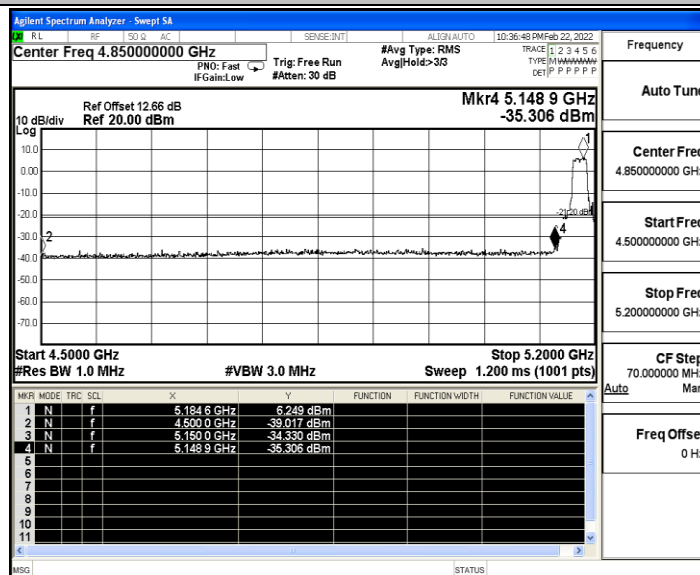
11N40SISO_Ant_High_5230_Peak



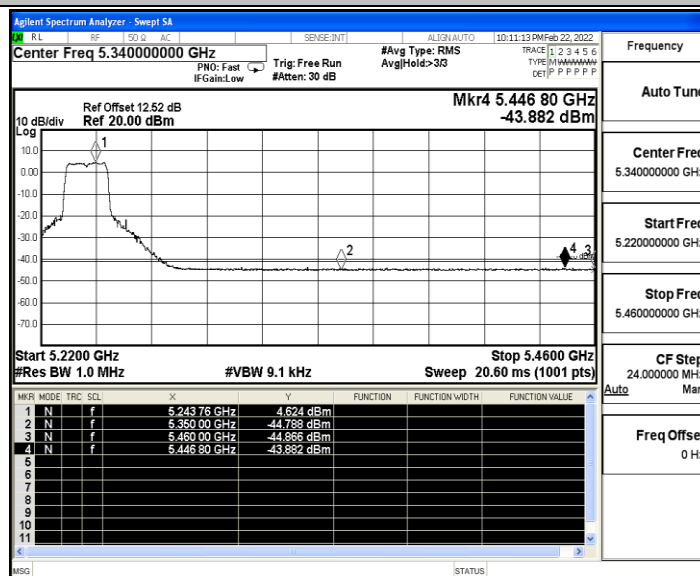
11AC20SISO_Ant_Low_5180_AV



11AC20SISO_Ant_Low_5180_Peak

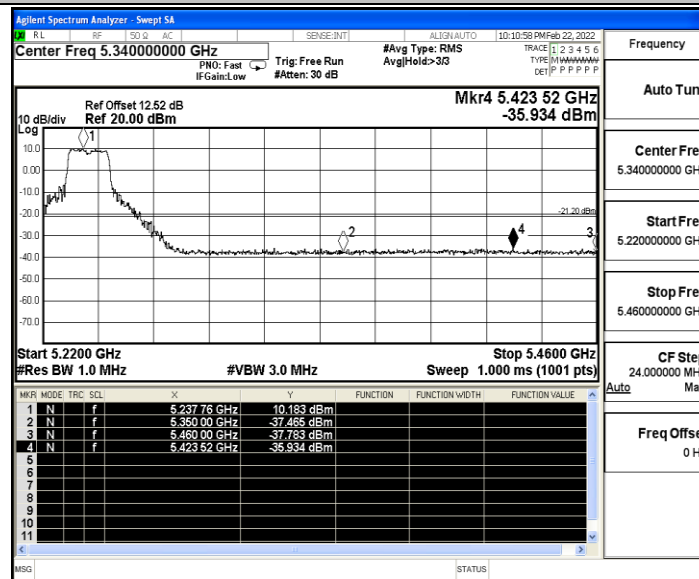


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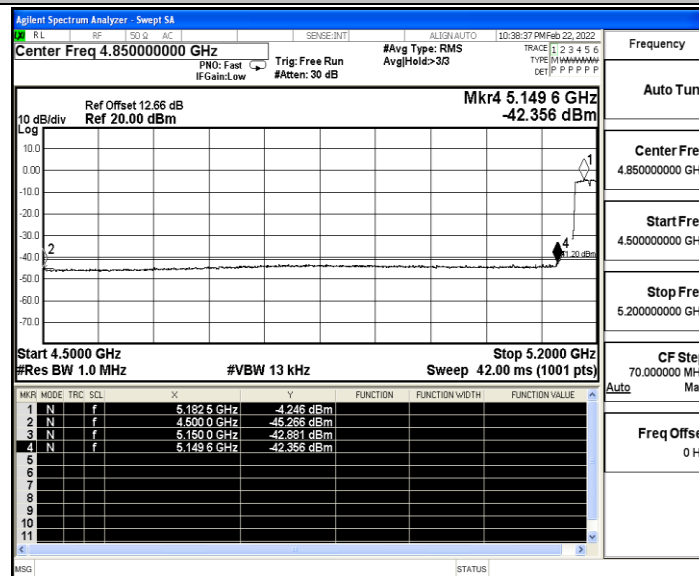




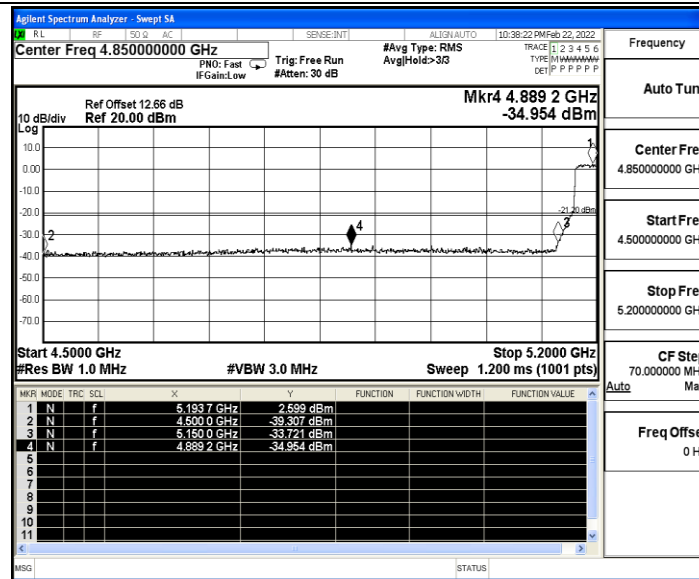
11AC20SISO_Ant_High_5240_Peak



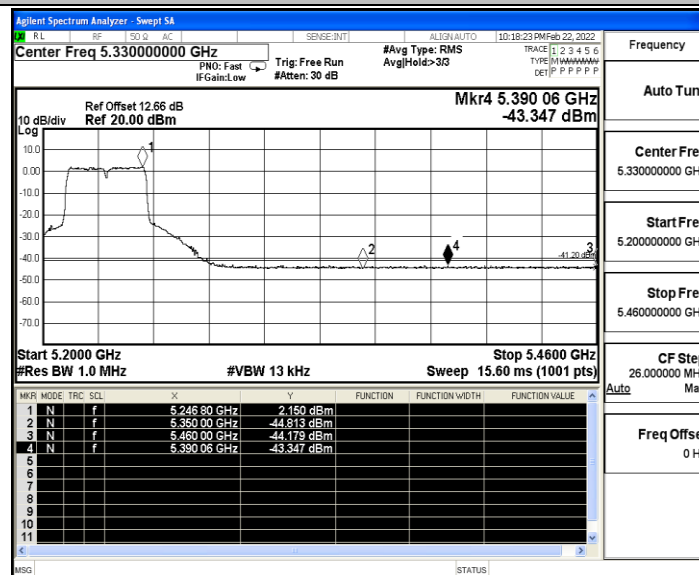
11AC40SISO_Ant_Low_5190_AV



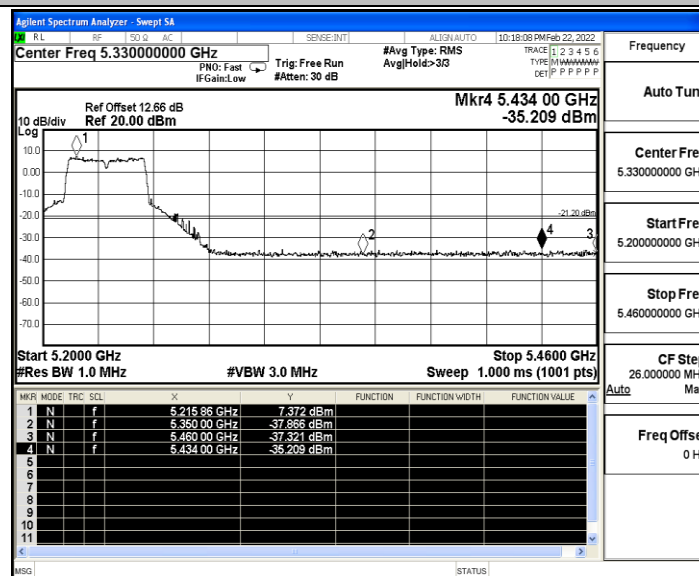
11AC40SISO_Ant_Low_5190_Peak



11AC40SISO_Ant_High_5230_AV

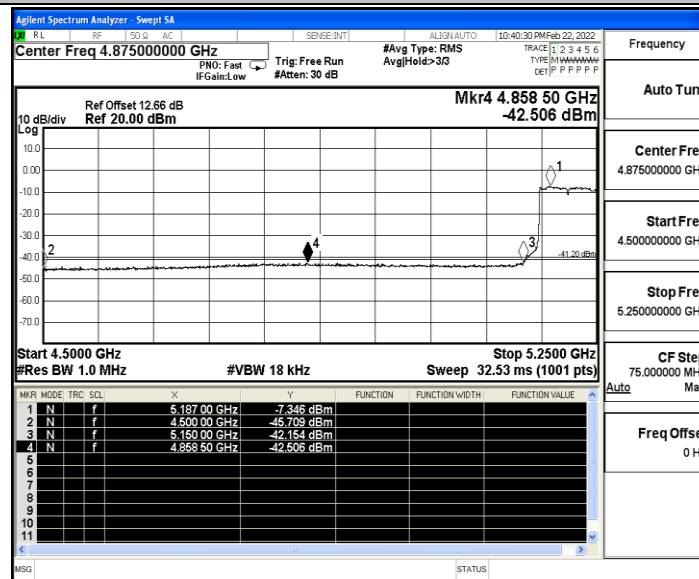


11AC40SISO_Ant_High_5230_Peak

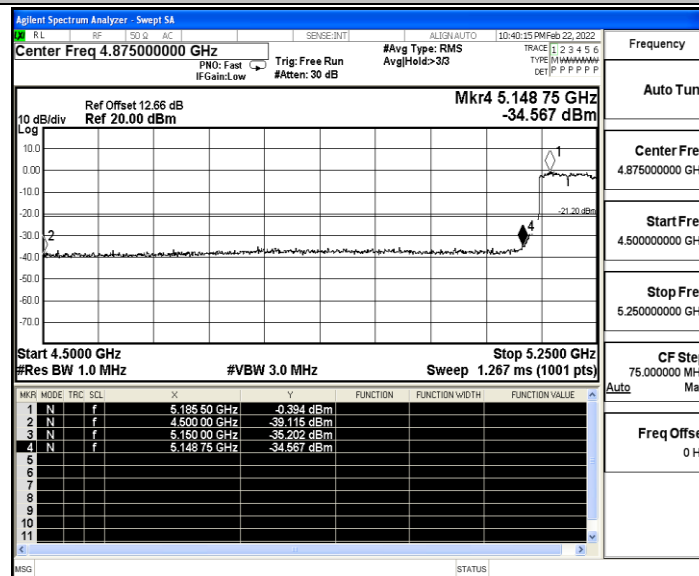




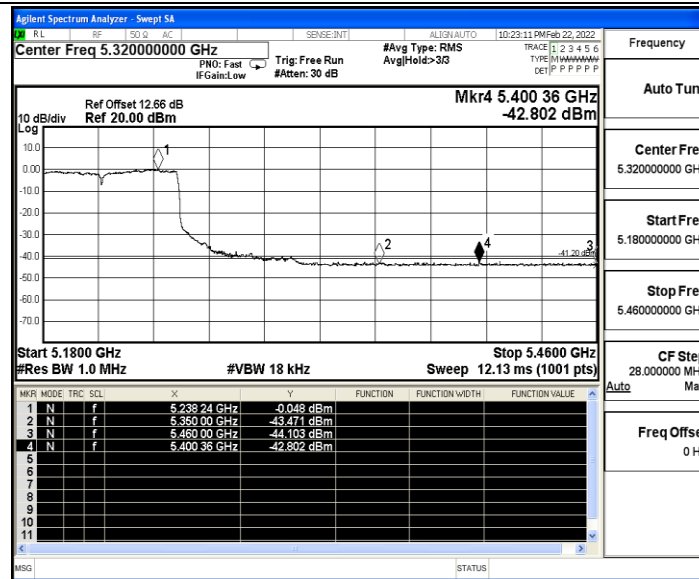
11AC80SISO_Ant_Low_5210_AV



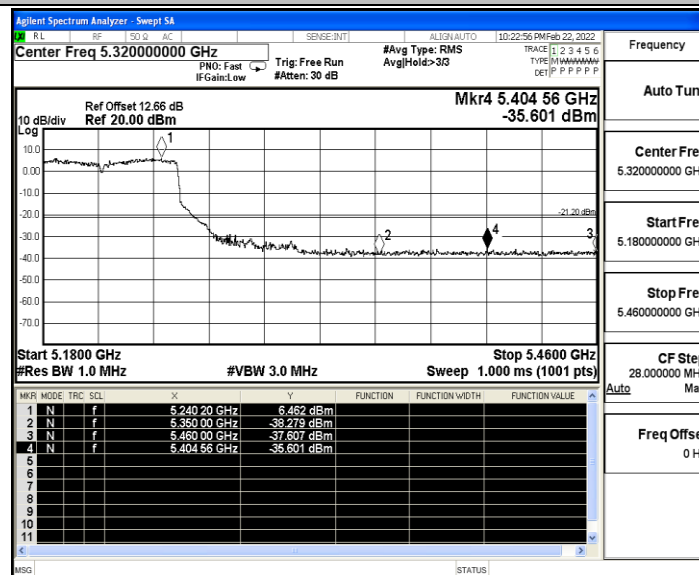
11AC80SISO_Ant_Low_5210_Peak



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	0.19	0.19	100	---	---
		5220	0.19	0.19	100	---	---
		5240	0.19	0.19	100	---	---
11N20SISO	Ant	5180	0.19	0.19	100	---	---
		5220	0.19	0.19	100	---	---
		5240	0.19	0.19	100	---	---
11N40SISO	Ant	5190	0.15	0.15	100	---	---
		5230	0.15	0.15	100	---	---
11AC20SISO	Ant	5180	0.20	0.20	100	---	---
		5220	0.19	0.19	100	---	---
		5240	0.19	0.19	100	---	---
11AC40SISO	Ant	5190	0.15	0.15	100	---	---
		5230	0.16	0.16	100	---	---
11AC80SISO	Ant	5210	0.13	0.13	100	---	---