



Appendix D

RF Test Data for 5.2G WIFI (Conducted Measurement)

Product Name: 4K Android TV™ Dongle

Test Model: i-217D1

Environmental Conditions

Temperature:	23.5 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	 Mark Chen
Supervised by:	 Li Huan



D.1 Emission Bandwidth

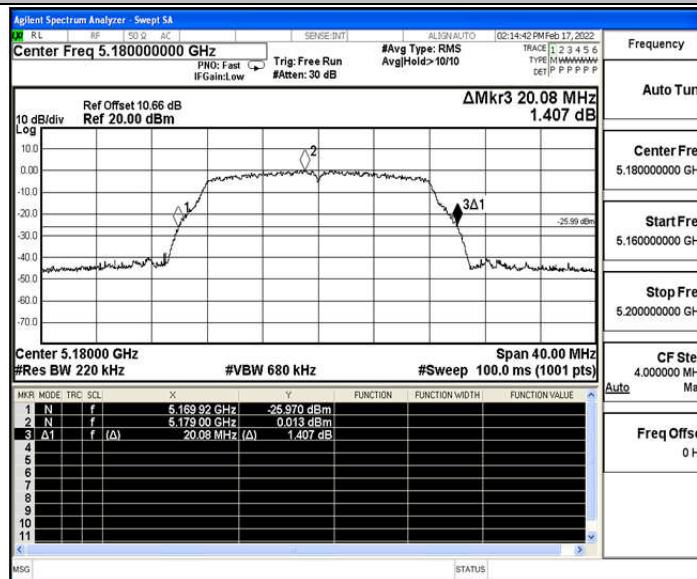
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	20.080	5169.920	5190.000	---	---
		5220	19.880	5210.040	5229.920	---	---
		5240	19.880	5230.040	5249.920	---	---
11N20SISO	Ant0	5180	20.320	5169.840	5190.160	---	---
		5220	20.280	5209.800	5230.080	---	---
		5240	20.280	5229.840	5250.120	---	---
11N40SISO	Ant0	5190	40.640	5169.680	5210.320	---	---
		5230	40.400	5209.760	5250.160	---	---
11AC20SISO	Ant0	5180	20.240	5169.880	5190.120	---	---
		5220	20.360	5209.800	5230.160	---	---
		5240	20.440	5229.760	5250.200	---	---
11AC40SISO	Ant0	5190	40.560	5169.680	5210.240	---	---
		5230	40.480	5209.680	5250.160	---	---
11AC80SISO	Ant0	5210	80.800	5169.520	5250.320	---	---

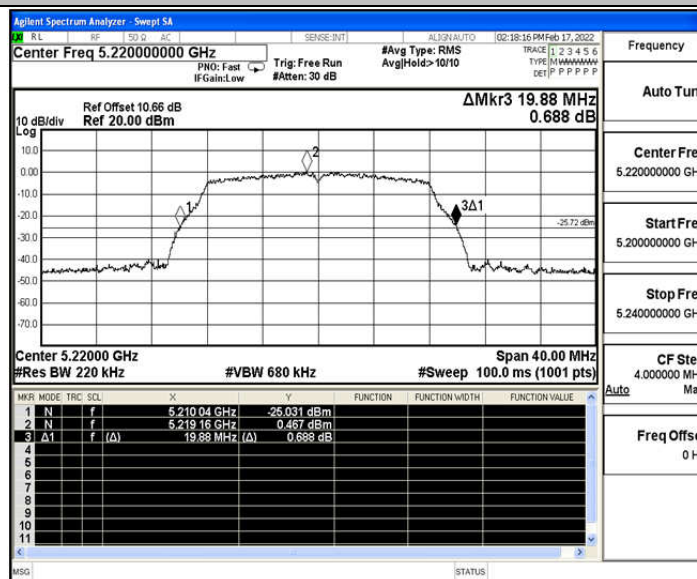


Test Graphs

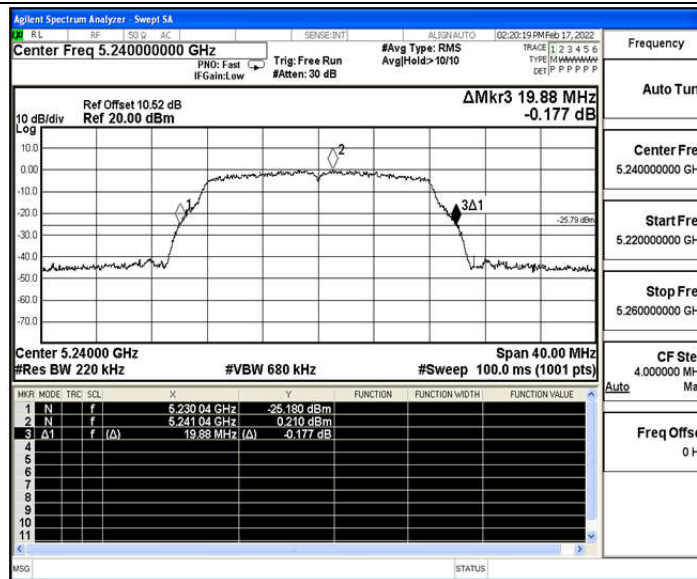
11A_Ant0_5180



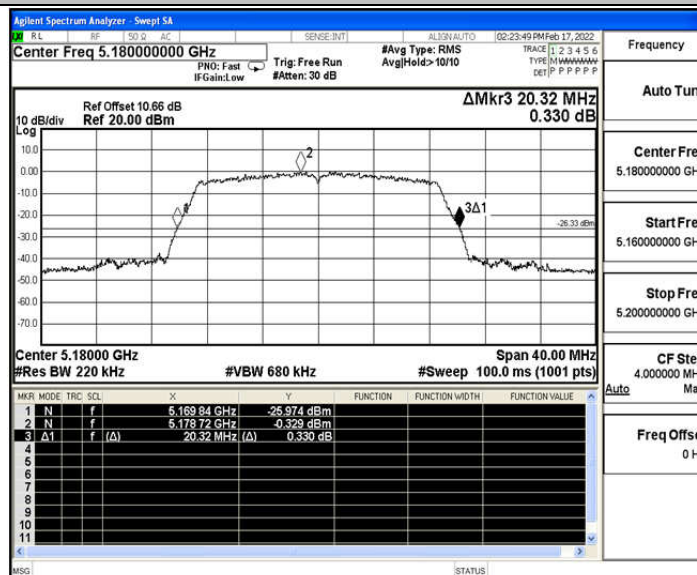
11A_Ant0_5220



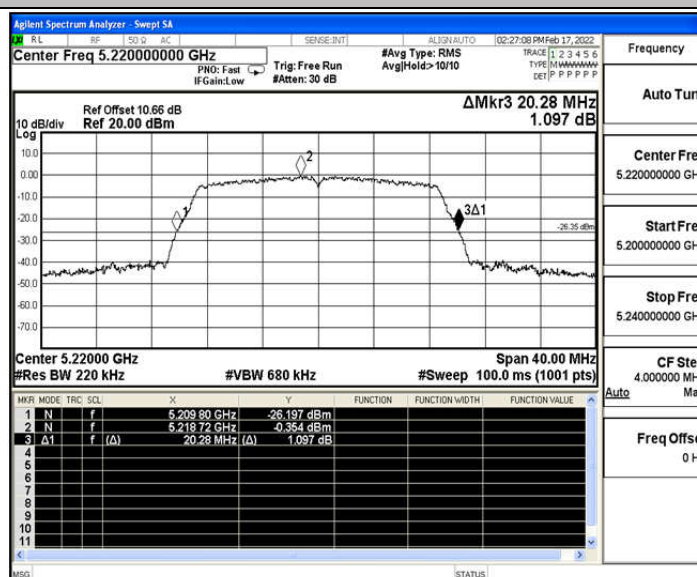
11A_Ant0_5240



11N20SISO_Ant0_5180

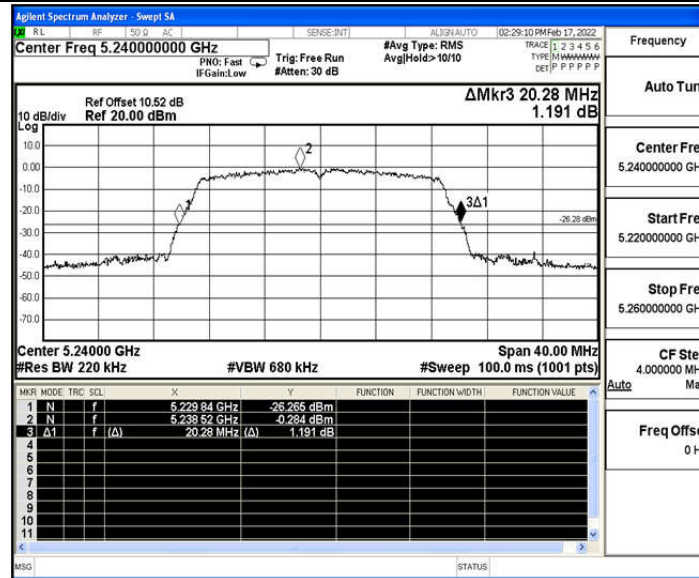


11N20SISO_Ant0_5220

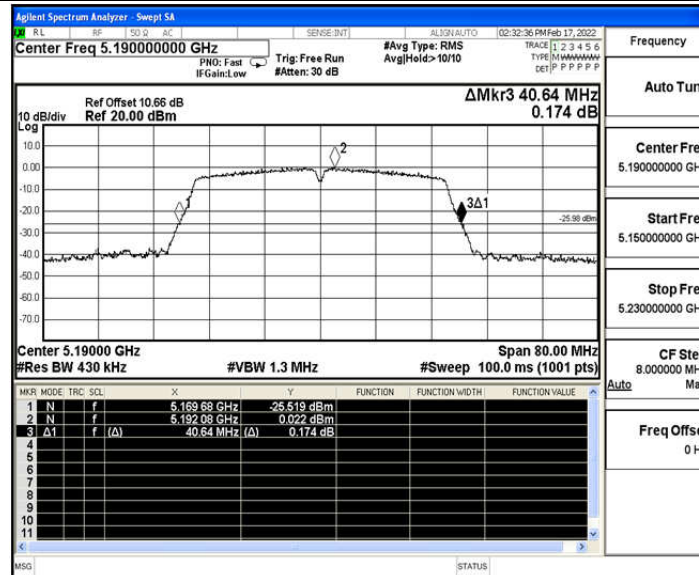




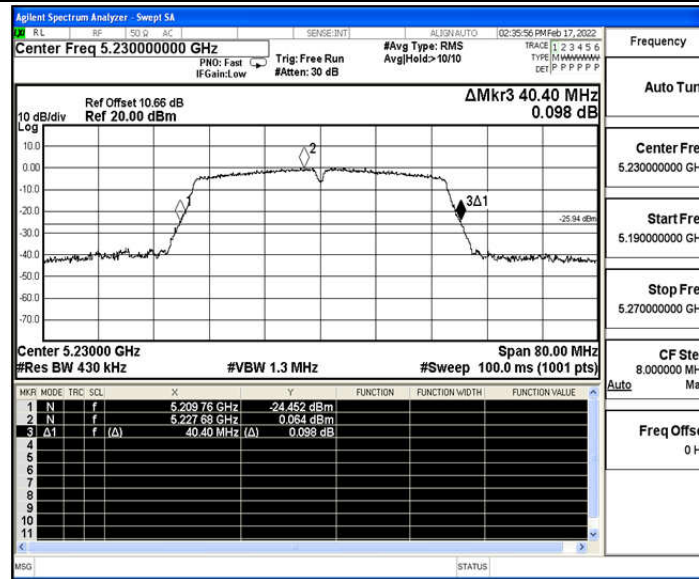
11N20SISO_Ant0_5240



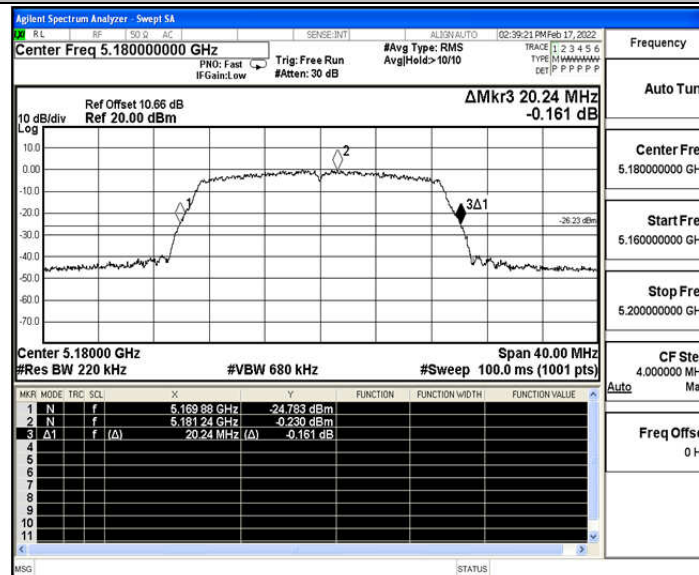
11N40SISO_Ant0_5190



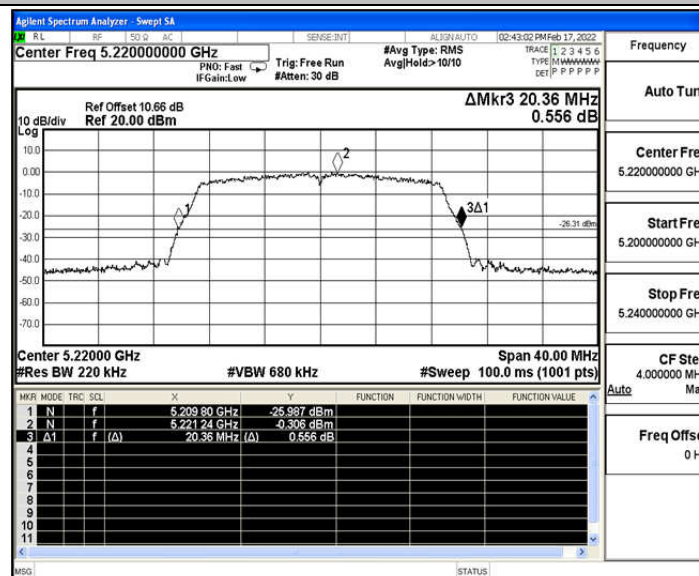
11N40SISO_Ant0_5230



11AC20SISO_Ant0_5180

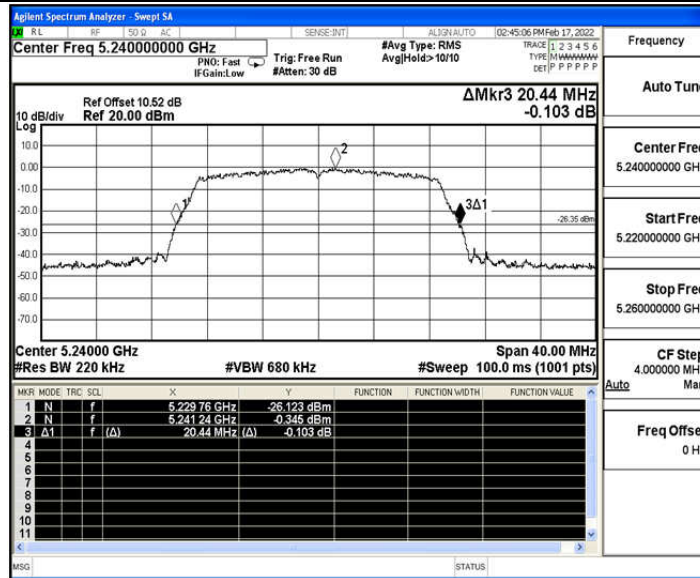


11AC20SISO_Ant0_5220

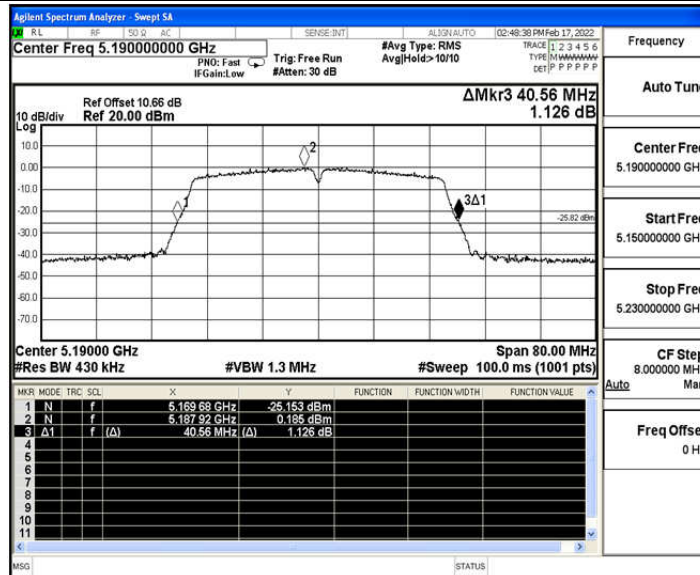




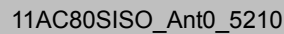
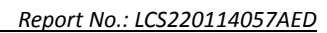
11AC20SISO_Ant0_5240



11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230





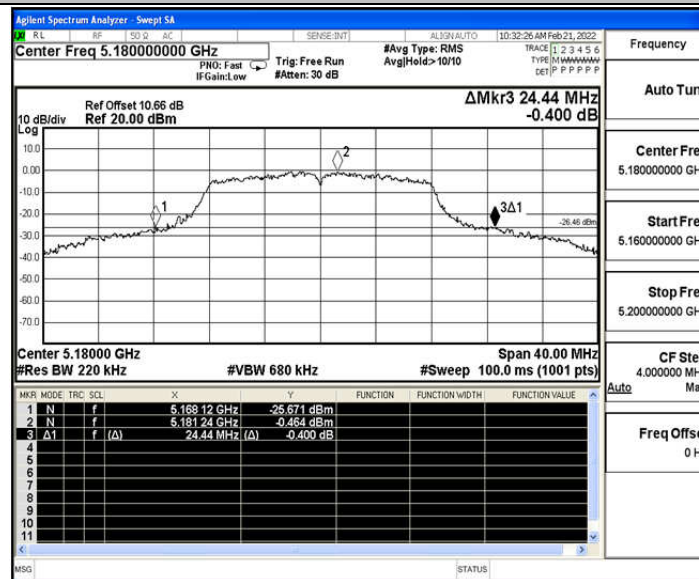
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.440	5168.120	5192.560	---	---
		5220	23.760	5209.200	5232.960	---	---
		5240	24.000	5228.960	5252.960	---	---
11N20SISO	Ant1	5180	25.960	5167.840	5193.800	---	---
		5220	26.280	5207.520	5233.800	---	---
		5240	25.880	5227.880	5253.760	---	---
11N40SISO	Ant1	5190	58.560	5161.360	5219.920	---	---
		5230	50.720	5205.680	5256.400	---	---
11AC20SISO	Ant1	5180	25.920	5167.840	5193.760	---	---
		5220	26.520	5207.280	5233.800	---	---
		5240	25.840	5227.920	5253.760	---	---
11AC40SISO	Ant1	5190	55.200	5161.360	5216.560	---	---
		5230	58.640	5201.280	5259.920	---	---
11AC80SISO	Ant1	5210	138.560	5140.560	5279.120	---	---

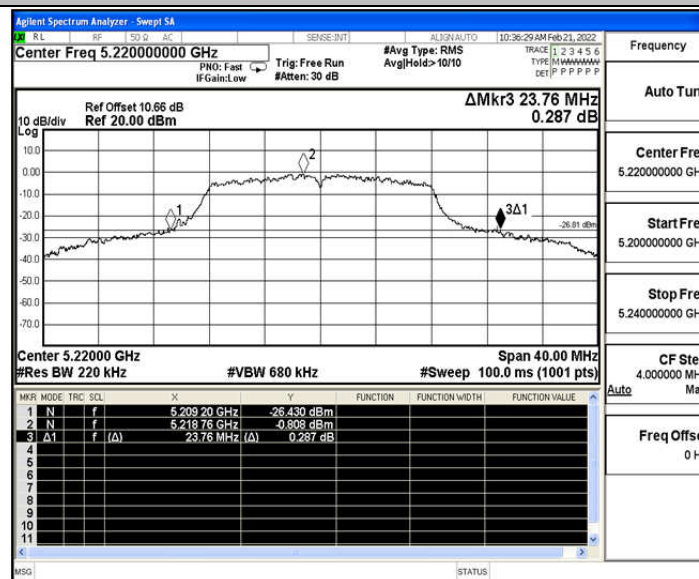


Test Graphs

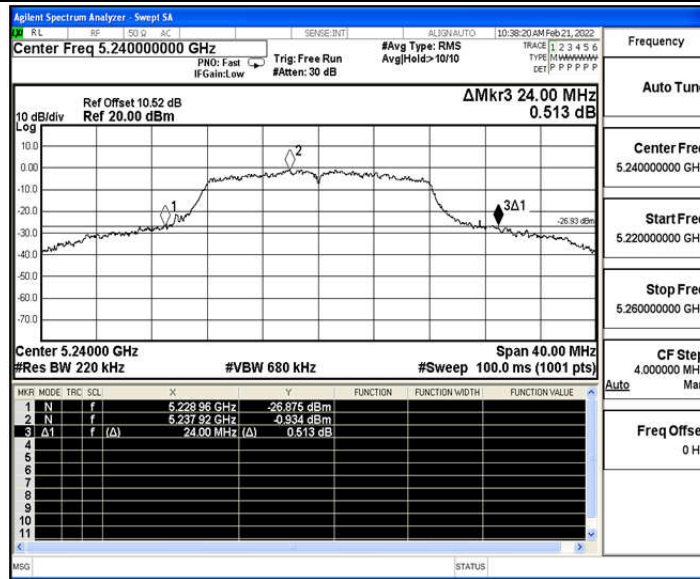
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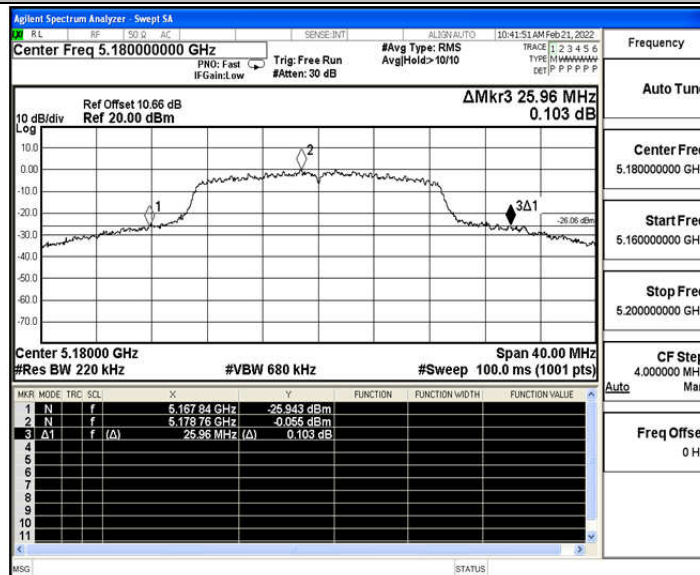
11A_Ant1_5220



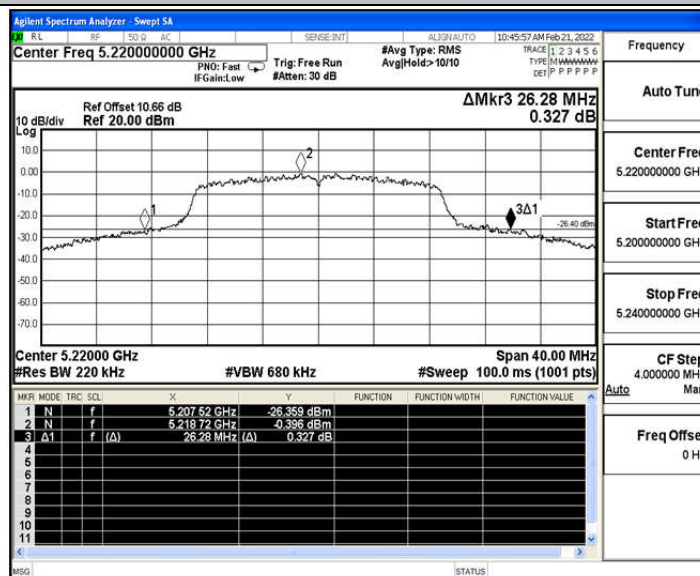
11A_Ant1_5240



11N20SISO_Ant1_5180

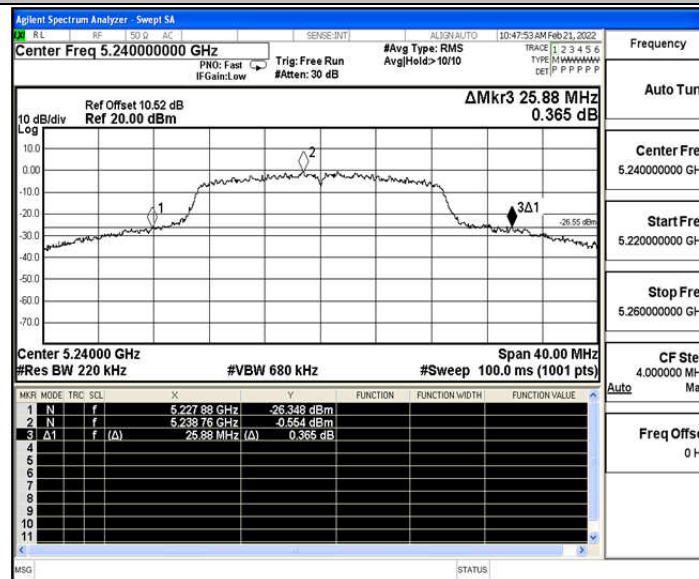


11N20SISO_Ant1_5220

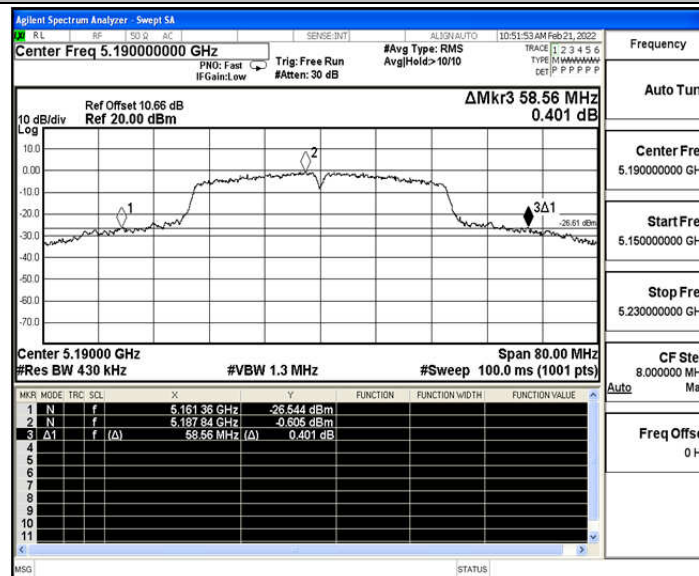




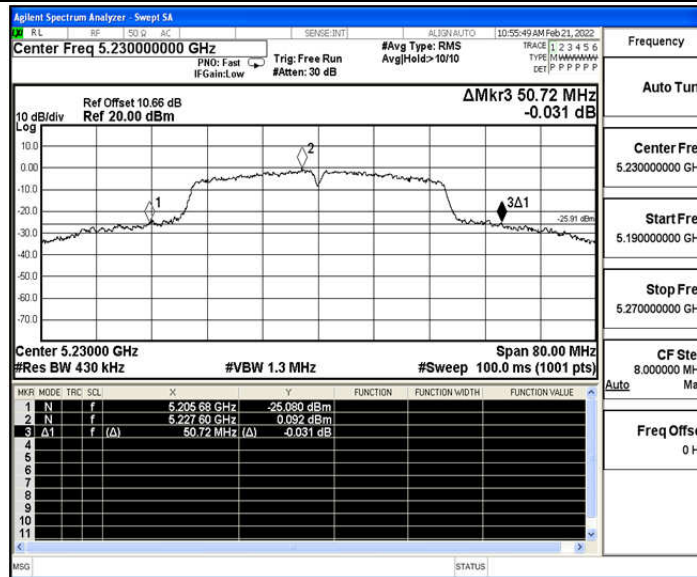
11N20SISO_Ant1_5240



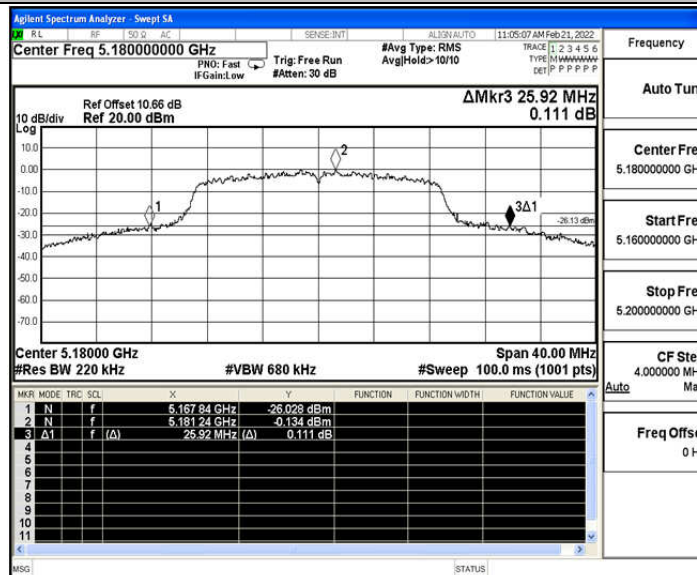
11N40SISO_Ant1_5190



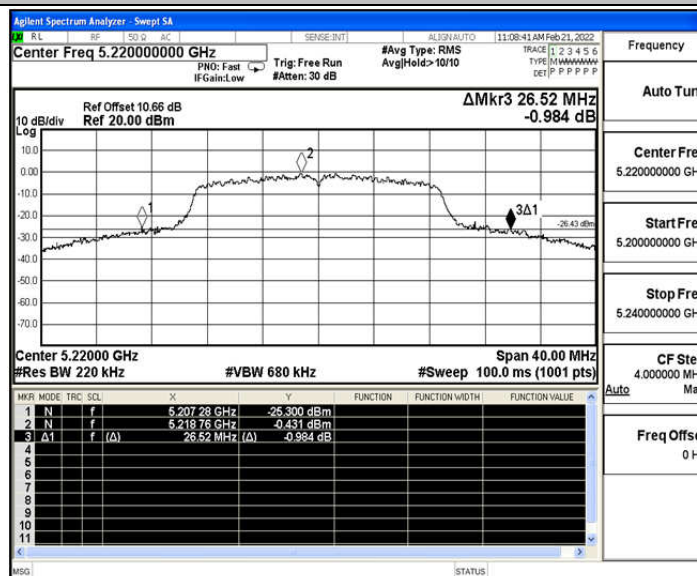
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180

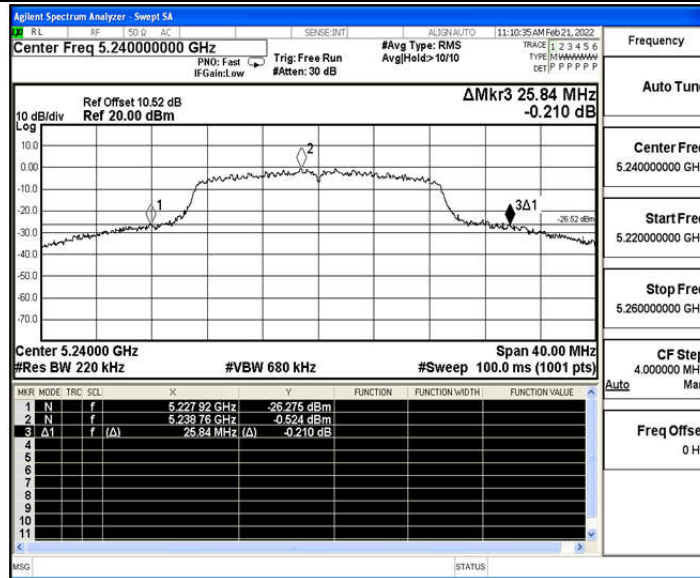


11AC20SISO_Ant1_5220

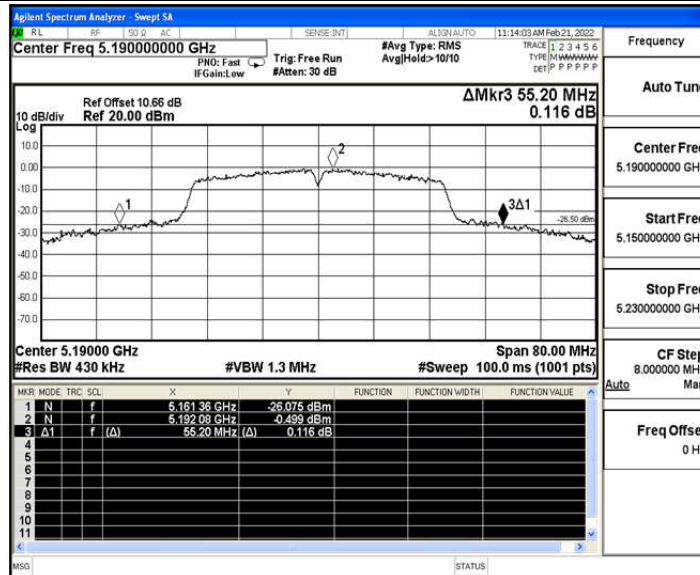




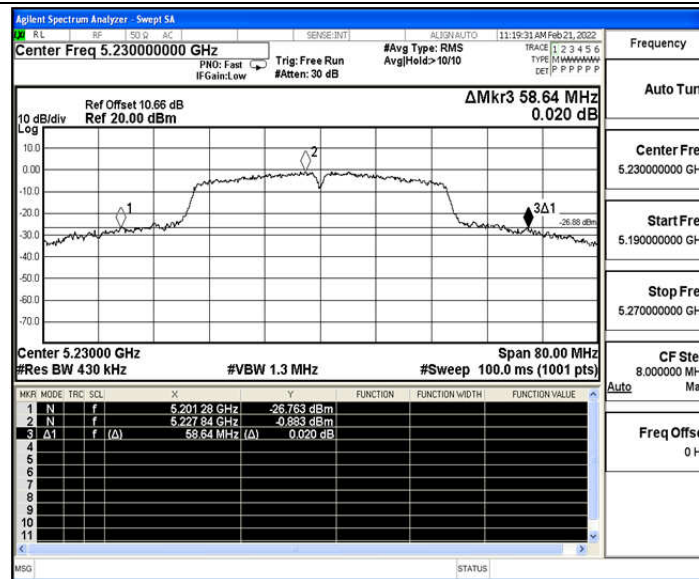
11AC20SISO_Ant1_5240



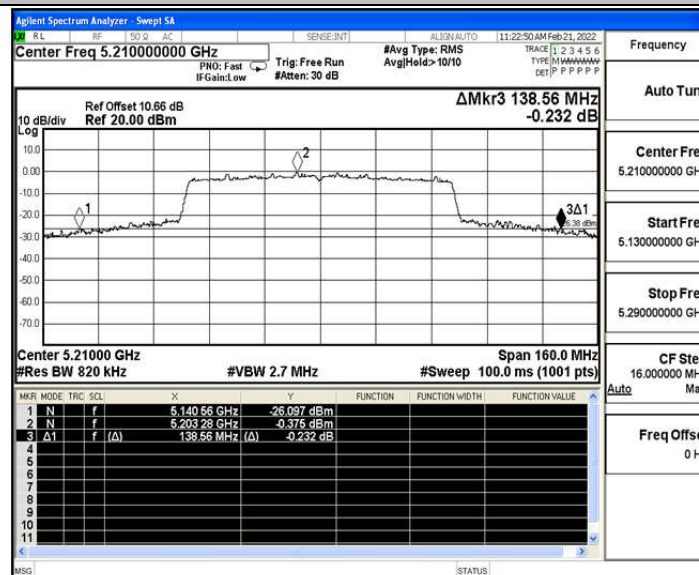
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210





D.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant0	5180	8.96	≤ 23.98	PASS
		5220	8.96	≤ 23.98	PASS
		5240	8.96	≤ 23.98	PASS
11N20SISO	Ant0	5180	8.96	≤ 23.98	PASS
		5220	8.84	≤ 23.98	PASS
		5240	8.83	≤ 23.98	PASS
11N40SISO	Ant0	5190	8.85	≤ 23.98	PASS
		5230	8.86	≤ 23.98	PASS
11AC20SISO	Ant0	5180	8.93	≤ 23.98	PASS
		5220	8.96	≤ 23.98	PASS
		5240	8.84	≤ 23.98	PASS
11AC40SISO	Ant0	5190	8.81	≤ 23.98	PASS
		5230	8.96	≤ 23.98	PASS
11AC80SISO	Ant0	5210	8.87	≤ 23.98	PASS

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	8.33	≤ 23.98	PASS
		5220	7.97	≤ 23.98	PASS
		5240	7.82	≤ 23.98	PASS
11N20SISO	Ant1	5180	8.64	≤ 23.98	PASS
		5220	8.24	≤ 23.98	PASS
		5240	8.07	≤ 23.98	PASS
11N40SISO	Ant1	5190	8.34	≤ 23.98	PASS
		5230	8.15	≤ 23.98	PASS
11AC20SISO	Ant1	5180	8.56	≤ 23.98	PASS
		5220	8.20	≤ 23.98	PASS
		5240	8.05	≤ 23.98	PASS
11AC40SISO	Ant1	5190	8.45	≤ 23.98	PASS
		5230	8.12	≤ 23.98	PASS
11AC80SISO	Ant1	5210	8.60	≤ 23.98	PASS

**MIMO**

TestMode	Channel	Result[dBm]			Limit[dBm]	Verdict
		Ant 0	Ant 1	MIMO		
11N20SISO	5180	8.96	8.64	11.81	≤ 23.98	PASS
	5220	8.84	8.24	11.56	≤ 23.98	PASS
	5240	8.83	8.07	11.48	≤ 23.98	PASS
11N40SISO	5190	8.85	8.34	11.61	≤ 23.98	PASS
	5230	8.86	8.15	11.53	≤ 23.98	PASS
11AC20SISO	5180	8.93	8.56	11.76	≤ 23.98	PASS
	5220	8.96	8.20	11.61	≤ 23.98	PASS
	5240	8.84	8.05	11.47	≤ 23.98	PASS
11AC40SISO	5190	8.81	8.45	11.64	≤ 23.98	PASS
	5230	8.96	8.12	11.57	≤ 23.98	PASS
11AC80SISO	5210	8.87	8.60	11.75	≤ 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	Ant0	5180	-1.52	≤11.00	PASS
		5220	-1.46	≤11.00	PASS
		5240	-1.47	≤11.00	PASS
11N20SISO	Ant0	5180	-1.65	≤11.00	PASS
		5220	-1.82	≤11.00	PASS
		5240	-1.77	≤11.00	PASS
11N40SISO	Ant0	5190	-4.71	≤11.00	PASS
		5230	-4.68	≤11.00	PASS
11AC20SISO	Ant0	5180	-1.74	≤11.00	PASS
		5220	-1.73	≤11.00	PASS
		5240	-1.75	≤11.00	PASS
11AC40SISO	Ant0	5190	-4.68	≤11.00	PASS
		5230	-4.62	≤11.00	PASS
11AC80SISO	Ant0	5210	-7.91	≤11.00	PASS

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-1.85	≤11.00	PASS
		5220	-2.19	≤11.00	PASS
		5240	-2.47	≤11.00	PASS
11N20SISO	Ant1	5180	-1.81	≤11.00	PASS
		5220	-2.2	≤11.00	PASS
		5240	-2.38	≤11.00	PASS
11N40SISO	Ant1	5190	-4.86	≤11.00	PASS
		5230	-5.12	≤11.00	PASS
11AC20SISO	Ant1	5180	-1.82	≤11.00	PASS
		5220	-2.3	≤11.00	PASS
		5240	-2.38	≤11.00	PASS
11AC40SISO	Ant1	5190	-4.76	≤11.00	PASS
		5230	-5.2	≤11.00	PASS
11AC80SISO	Ant1	5210	-8.43	≤11.00	PASS

**MIMO**

TestMode	Channel	Result [dBm/MHz]			Limit[dBm/MHz]	Verdict
		Ant 0	Ant 1	MIMO		
11N20SISO	5180	-1.65	-1.81	1.28	≤11.00	PASS
	5220	-1.82	-2.2	1.00	≤11.00	PASS
	5240	-1.77	-2.38	0.95	≤11.00	PASS
11N40SISO	5190	-4.71	-4.86	-1.77	≤11.00	PASS
	5230	-4.68	-5.12	-1.88	≤11.00	PASS
11AC20SISO	5180	-1.74	-1.82	1.23	≤11.00	PASS
	5220	-1.73	-2.3	1.00	≤11.00	PASS
	5240	-1.75	-2.38	0.96	≤11.00	PASS
11AC40SISO	5190	-4.68	-4.76	-1.71	≤11.00	PASS
	5230	-4.62	-5.2	-1.89	≤11.00	PASS
11AC80SISO	5210	-7.91	-8.43	-5.15	≤11.00	PASS

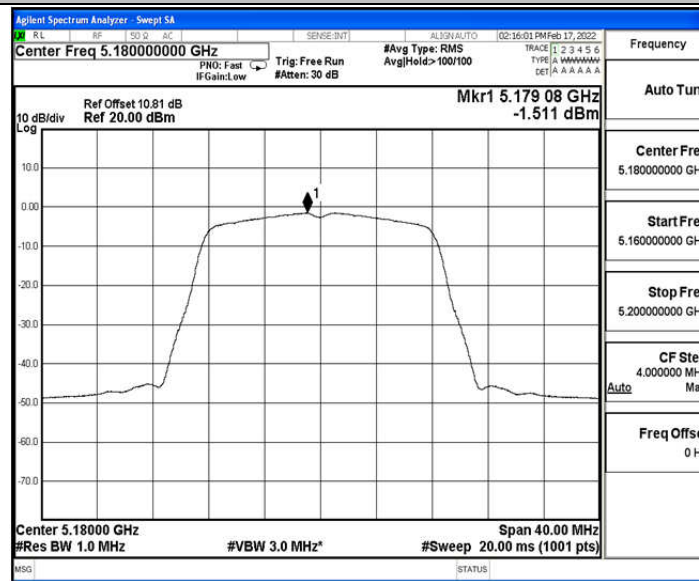
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

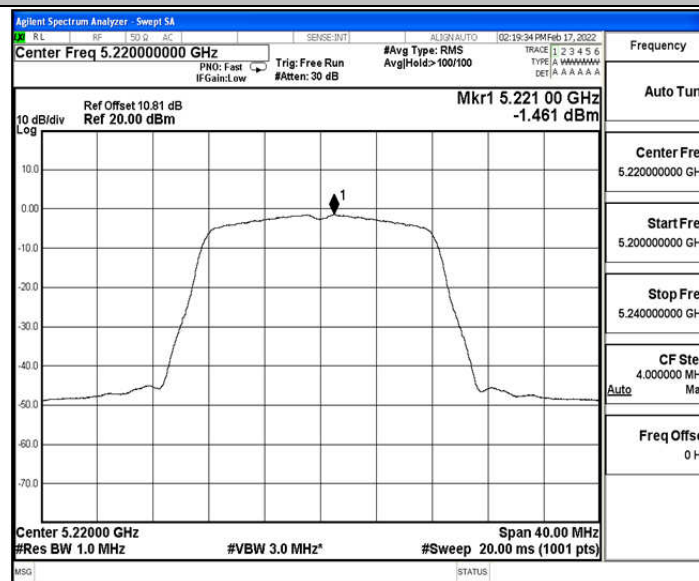


Test Graphs

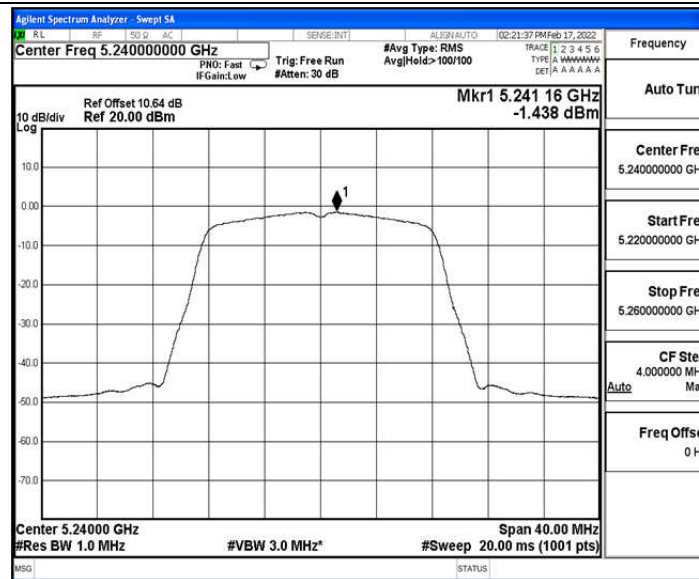
11A_Ant0_5180



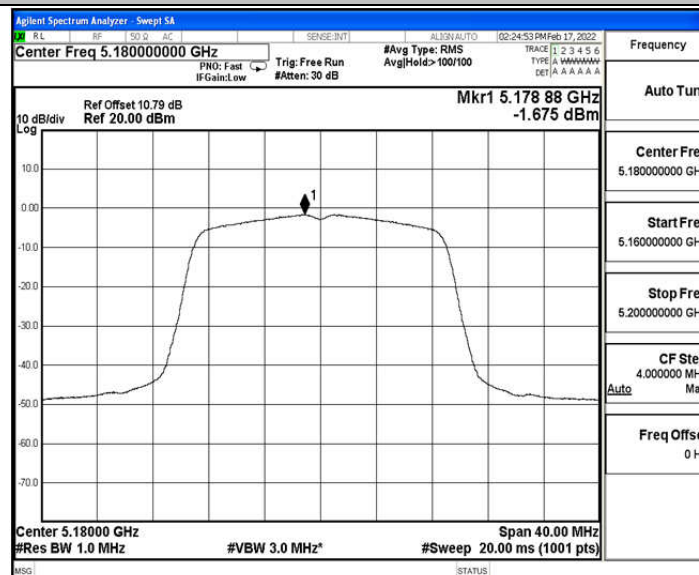
11A_Ant0_5220



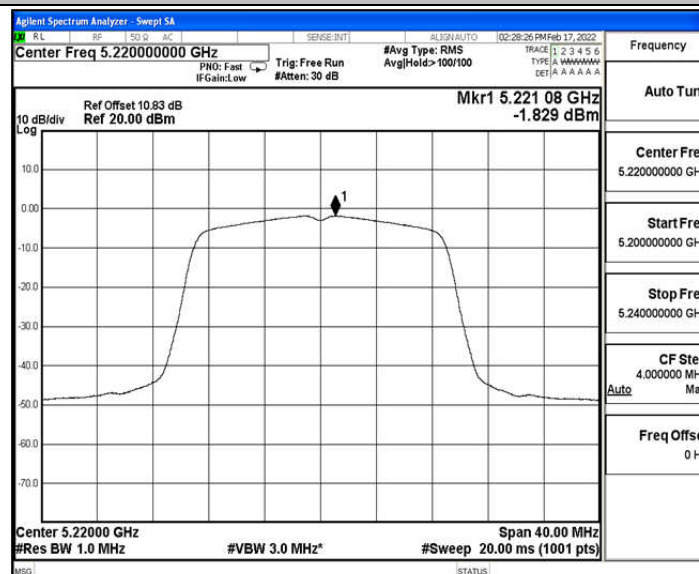
11A_Ant0_5240



11N20SISO_Ant0_5180

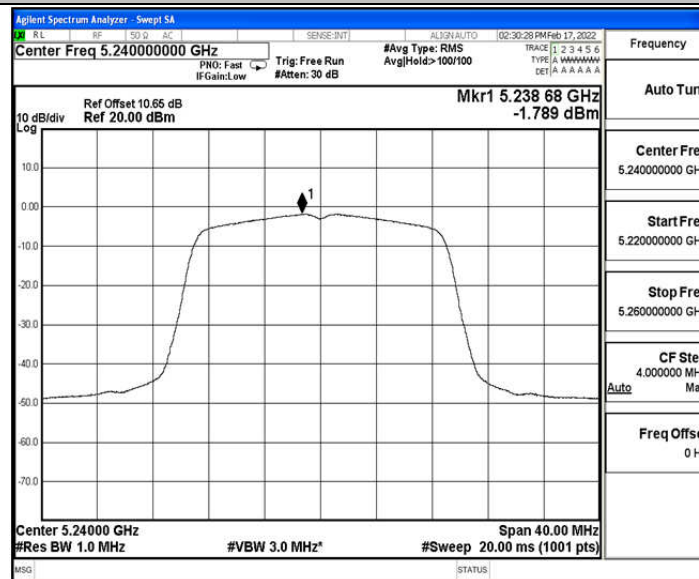


11N20SISO_Ant0_5220

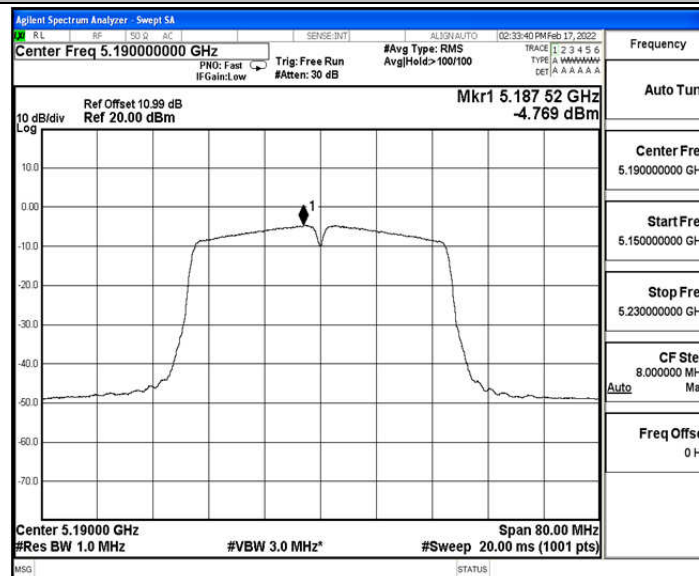




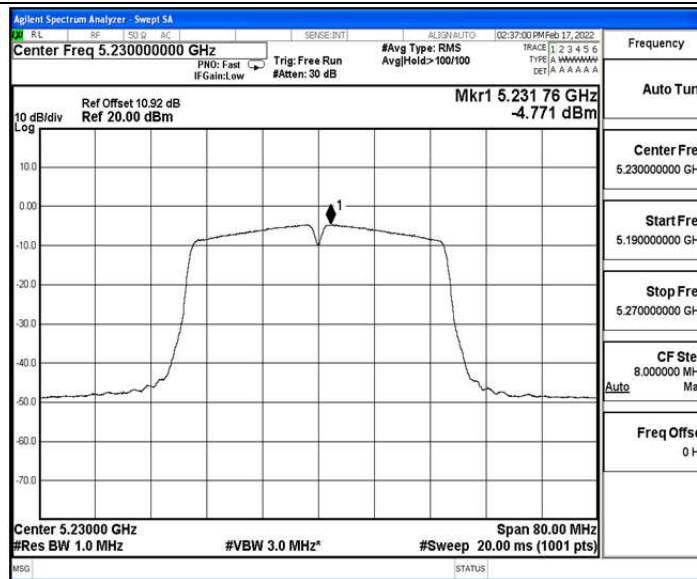
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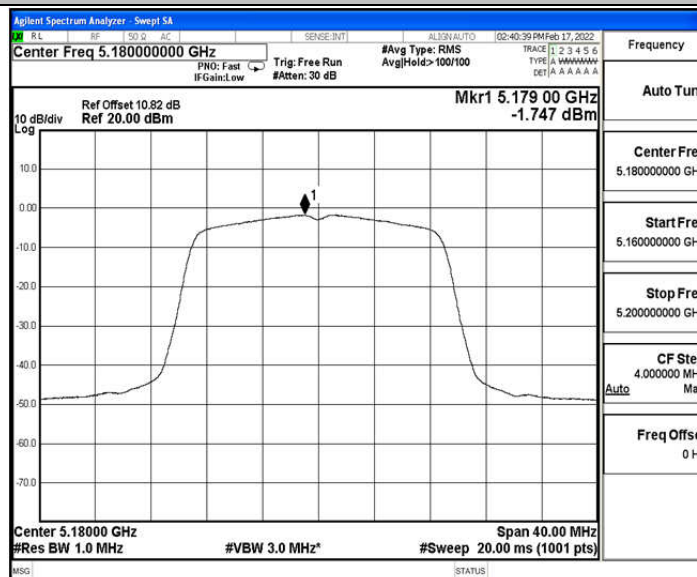
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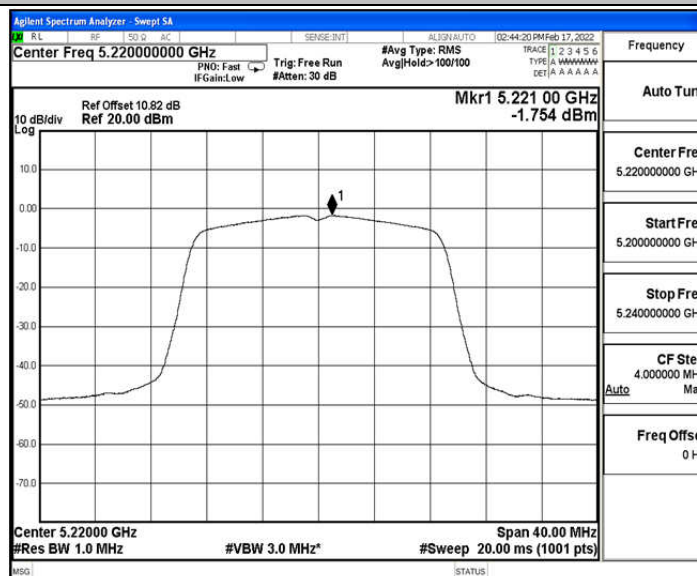
11N40SISO_Ant0_5230



11AC20SISO_Ant0_5180

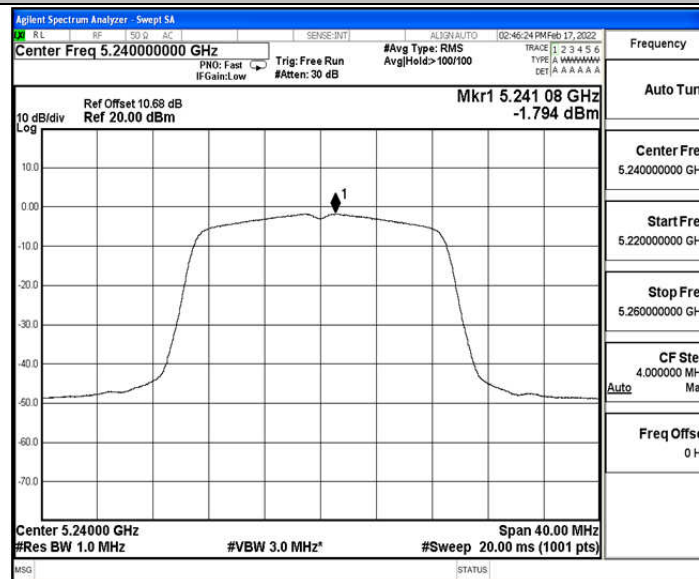


11AC20SISO_Ant0_5220

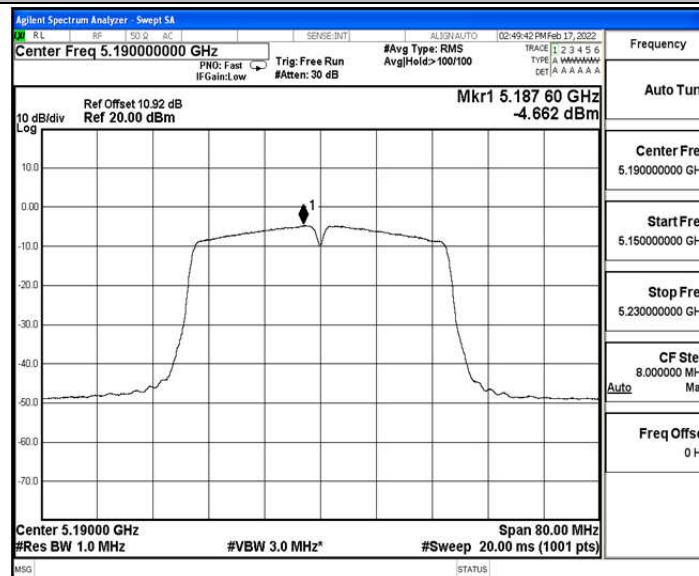




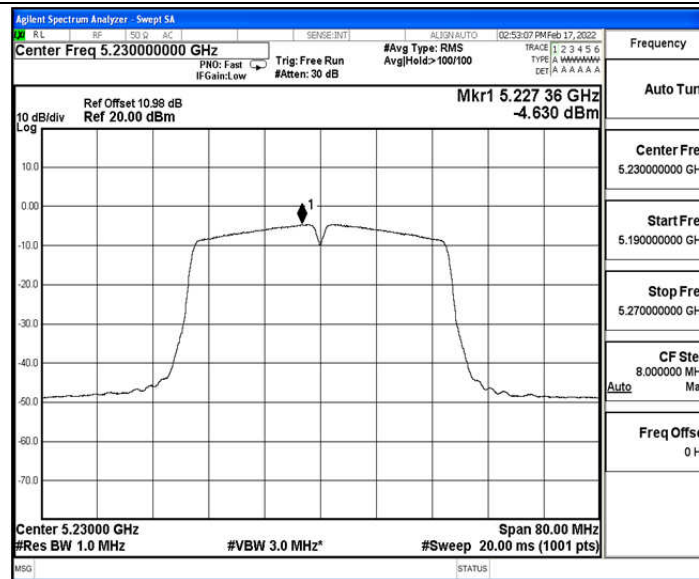
11AC20SISO_Ant0_5240



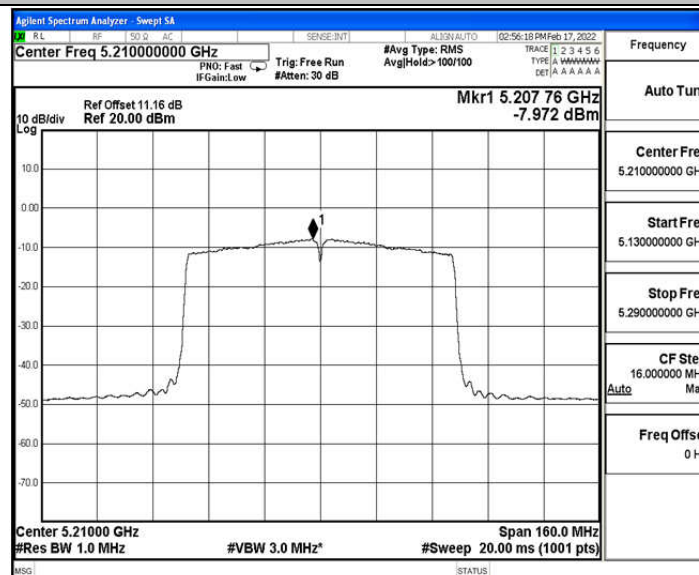
11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230



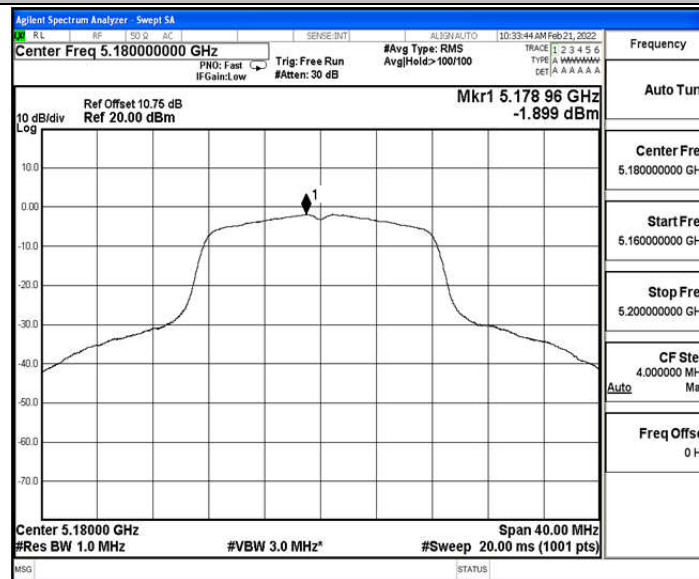
11AC80SISO_Ant0_5210



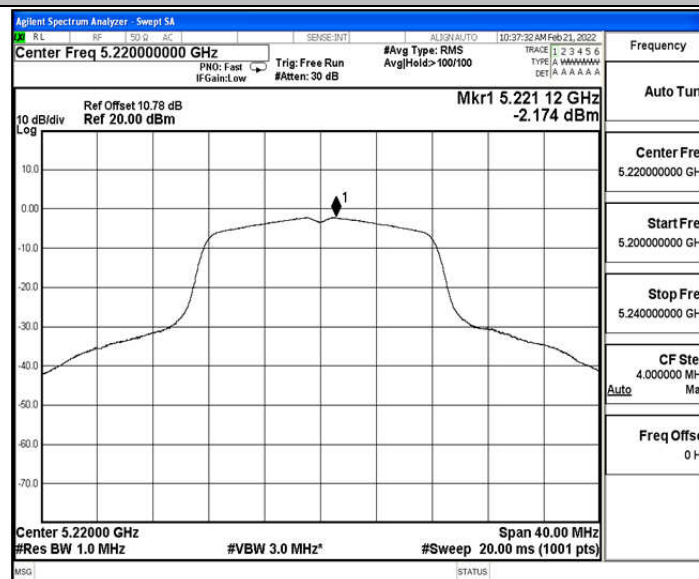


Test Graphs

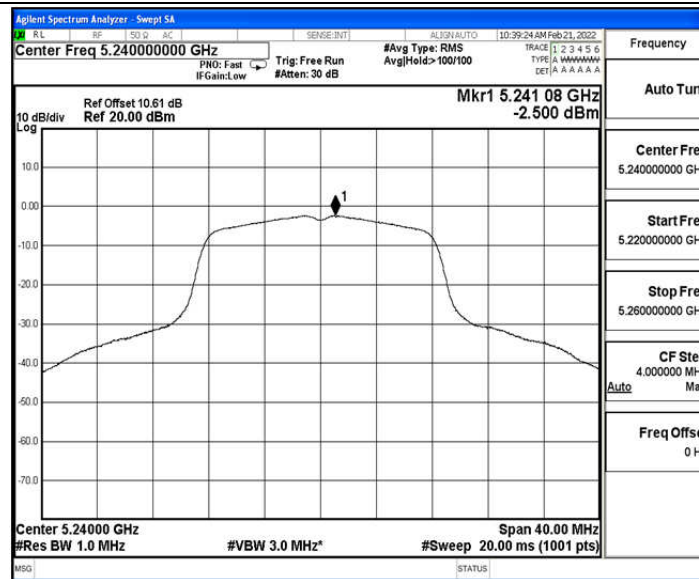
11A_Ant1_5180



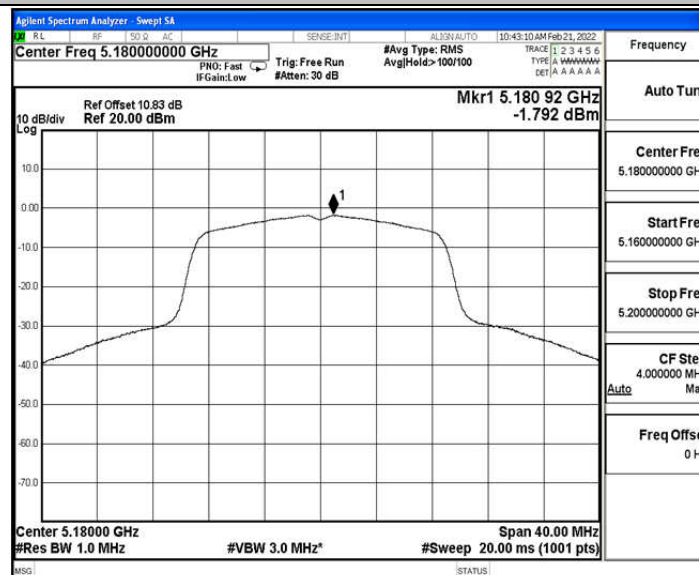
11A_Ant1_5220



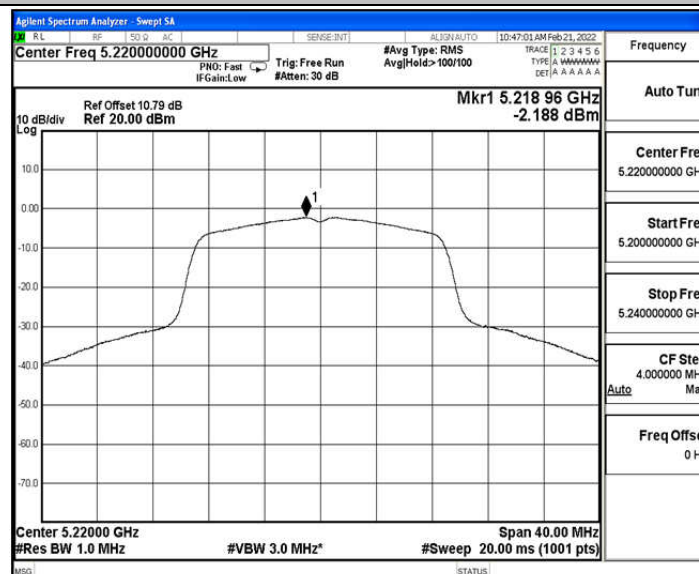
11A_Ant1_5240



11N20SISO_Ant1_5180

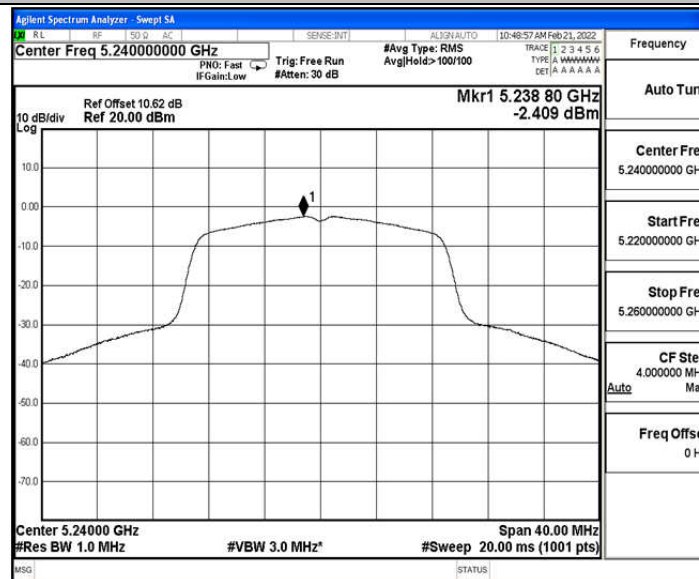


11N20SISO_Ant1_5220

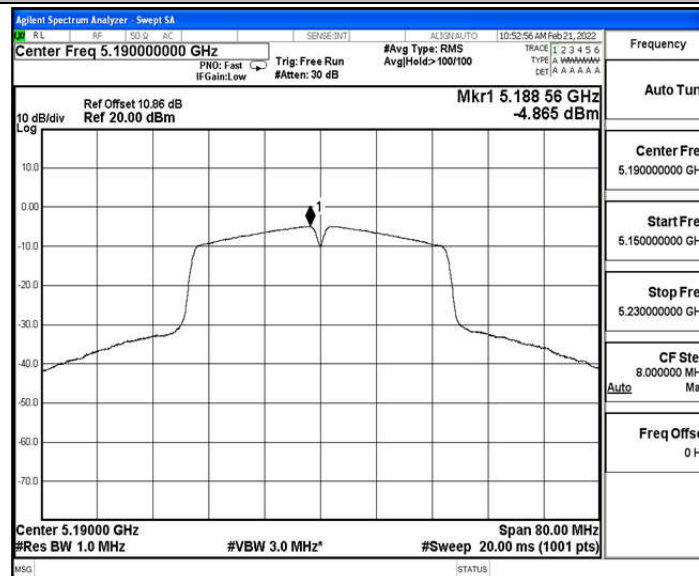




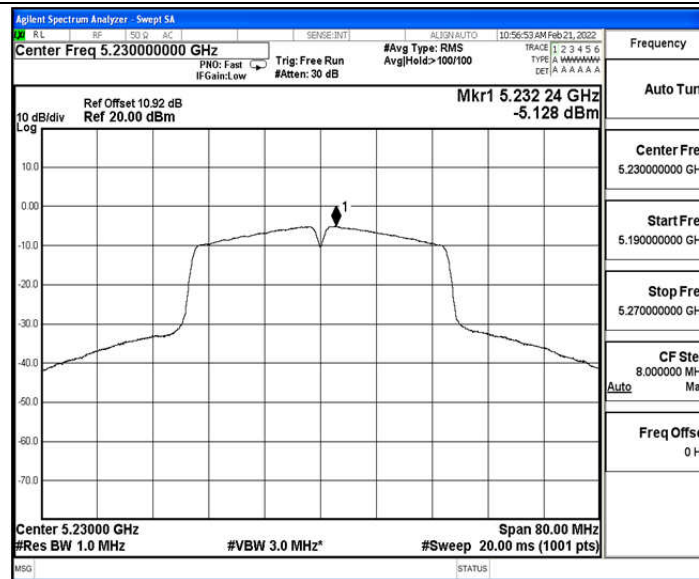
11N20SISO_Ant1_5240



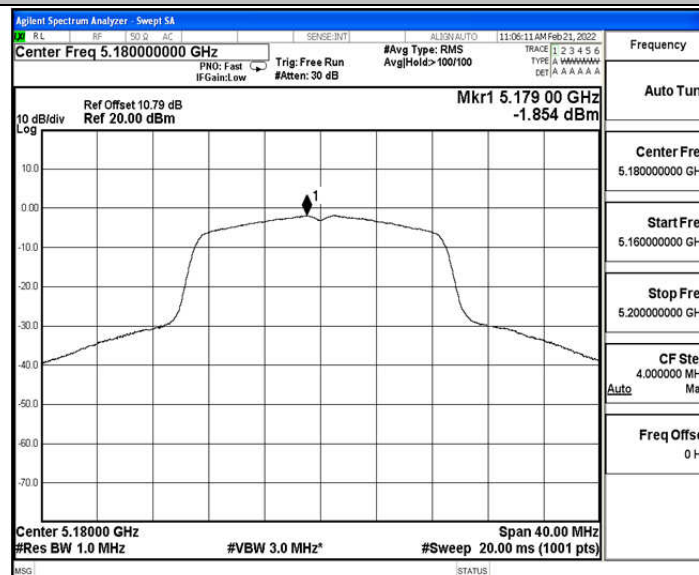
11N40SISO_Ant1_5190



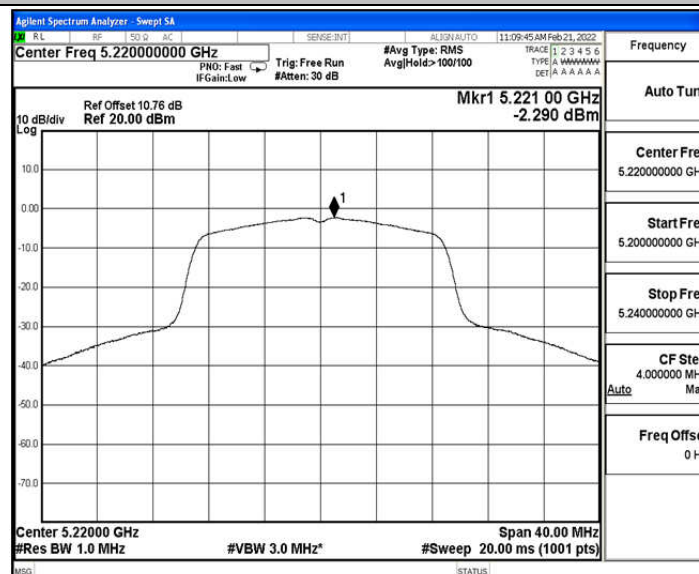
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180

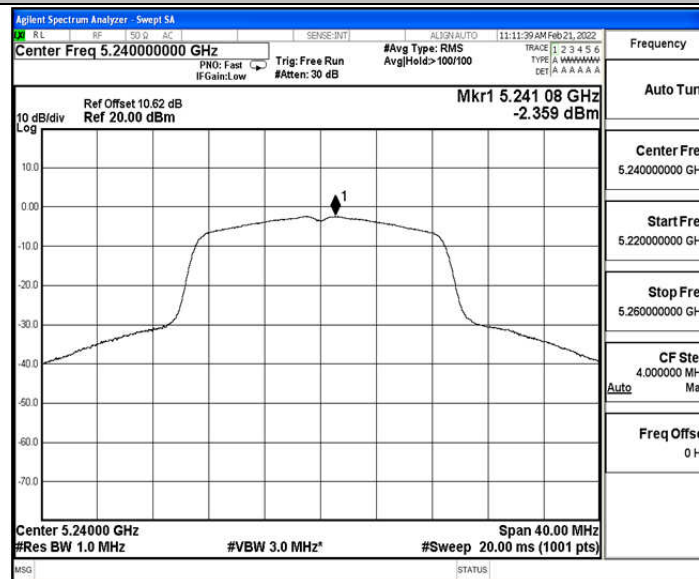


11AC20SISO_Ant1_5220

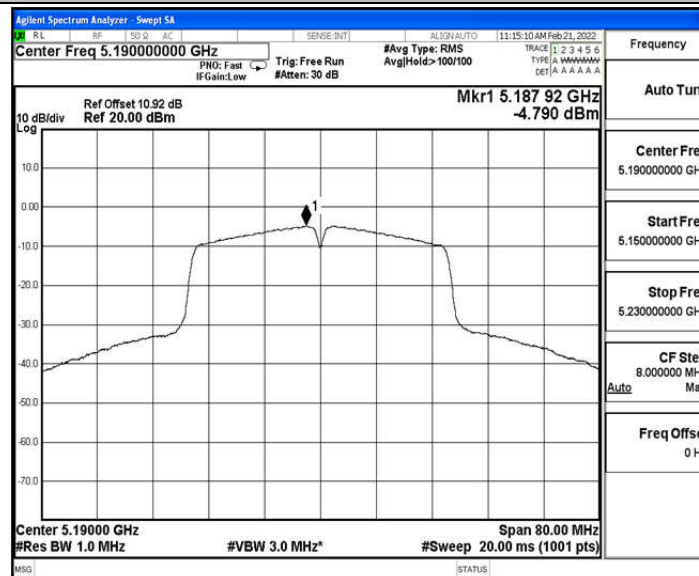




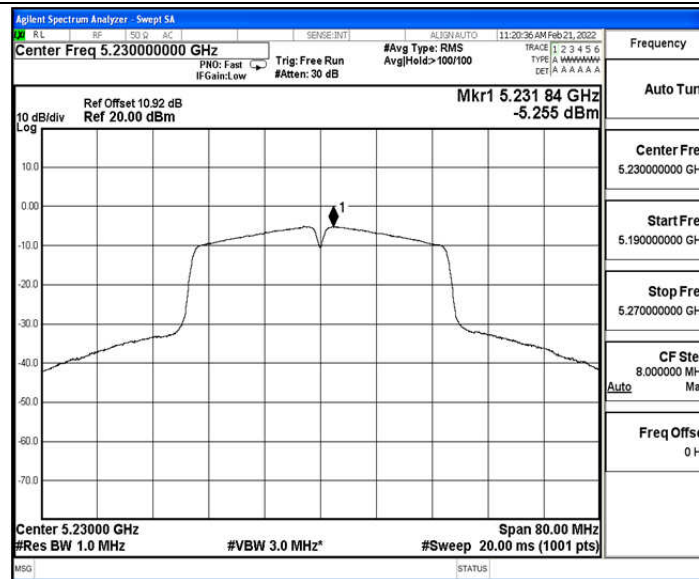
11AC20SISO_Ant1_5240



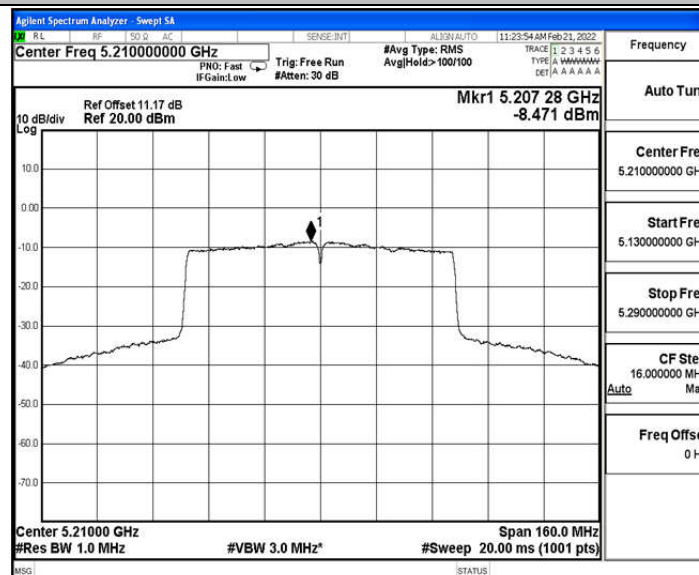
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_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	Ant0	Low	5180	AV	4500.000	-47.73	≤-41.20	47.47	≤54	PASS
				AV	4860.500	-45.53	≤-41.20	49.67	≤54	PASS
				AV	5150.000	-45.66	≤-41.20	49.54	≤54	PASS
				Peak	4500.000	-38.67	≤-21.20	56.53	≤68.3	PASS
				Peak	5134.200	-34.8	≤-21.20	60.40	≤68.3	PASS
				Peak	5150.000	-38.38	≤-21.20	56.82	≤68.3	PASS
		High	5240	AV	5350.000	-46.43	≤-41.20	48.77	≤54	PASS
				AV	5352.480	-46.18	≤-41.20	49.02	≤54	PASS
				AV	5460.000	-46.68	≤-41.20	48.52	≤54	PASS
				Peak	5350.000	-37.24	≤-21.20	57.96	≤68.3	PASS
				Peak	5395.440	-36.29	≤-21.20	58.91	≤68.3	PASS
				Peak	5460.000	-38.51	≤-21.20	56.69	≤68.3	PASS
11N20SI SO	Ant0	Low	5180	AV	4500.000	-47.6	≤-41.20	47.60	≤54	PASS
				AV	4889.200	-45.46	≤-41.20	49.74	≤54	PASS
				AV	5150.000	-45.64	≤-41.20	49.56	≤54	PASS
				Peak	4500.000	-39.21	≤-21.20	55.99	≤68.3	PASS
				Peak	5031.300	-34.61	≤-21.20	60.59	≤68.3	PASS
				Peak	5150.000	-37.55	≤-21.20	57.65	≤68.3	PASS
		High	5240	AV	5350.000	-46.34	≤-41.20	48.86	≤54	PASS
				AV	5371.200	-46.12	≤-41.20	49.08	≤54	PASS
				AV	5460.000	-46.38	≤-41.20	48.82	≤54	PASS
				Peak	5350.000	-38.81	≤-21.20	56.39	≤68.3	PASS
				Peak	5422.080	-35.78	≤-21.20	59.42	≤68.3	PASS
				Peak	5460.000	-38.52	≤-21.20	56.68	≤68.3	PASS
11N40SI SO	Ant0	Low	5190	AV	4500.000	-47.53	≤-41.20	47.67	≤54	PASS
				AV	4900.400	-45.11	≤-41.20	50.09	≤54	PASS
				AV	5150.000	-45.33	≤-41.20	49.87	≤54	PASS
				Peak	4500.000	-39.31	≤-21.20	55.89	≤68.3	PASS
				Peak	4934.700	-33.88	≤-21.20	61.32	≤68.3	PASS
				Peak	5150.000	-36.82	≤-21.20	58.38	≤68.3	PASS
		High	5230	AV	5350.000	-46.13	≤-41.20	49.07	≤54	PASS
				AV	5381.740	-45.65	≤-41.20	49.55	≤54	PASS
				AV	5460.000	-46.17	≤-41.20	49.03	≤54	PASS
				Peak	5350.000	-37.17	≤-21.20	58.03	≤68.3	PASS
				Peak	5384.600	-35.79	≤-21.20	59.41	≤68.3	PASS
				Peak	5460.000	-38.15	≤-21.20	57.05	≤68.3	PASS
11AC20S	Ant0	Low	5180	AV	4500.000	-47.7	≤-41.20	47.50	≤54	PASS



ISO				AV	4819.900	-45.51	≤-41.20	49.69	≤54	PASS
				AV	5150.000	-45.61	≤-41.20	49.59	≤54	PASS
				Peak	4500.000	-39.1	≤-21.20	56.10	≤68.3	PASS
				Peak	4882.900	-34.35	≤-21.20	60.85	≤68.3	PASS
				Peak	5150.000	-37.22	≤-21.20	57.98	≤68.3	PASS
		High	5240	AV	5350.000	-46.41	≤-41.20	48.79	≤54	PASS
				AV	5370.000	-46.15	≤-41.20	49.05	≤54	PASS
				AV	5460.000	-46.61	≤-41.20	48.59	≤54	PASS
				Peak	5350.000	-38.01	≤-21.20	57.19	≤68.3	PASS
				Peak	5422.560	-35.96	≤-21.20	59.24	≤68.3	PASS
				Peak	5460.000	-38.12	≤-21.20	57.08	≤68.3	PASS
11AC40S ISO	Ant0	Low	5190	AV	4500.000	-47.42	≤-41.20	47.78	≤54	PASS
				AV	5121.600	-45.29	≤-41.20	49.91	≤54	PASS
				AV	5150.000	-45.21	≤-41.20	49.99	≤54	PASS
				Peak	4500.000	-38.42	≤-21.20	56.78	≤68.3	PASS
				Peak	5111.800	-35.33	≤-21.20	59.87	≤68.3	PASS
				Peak	5150.000	-36.7	≤-21.20	58.50	≤68.3	PASS
		High	5230	AV	5350.000	-46.08	≤-41.20	49.12	≤54	PASS
				AV	5394.740	-45.39	≤-41.20	49.81	≤54	PASS
				AV	5460.000	-46.16	≤-41.20	49.04	≤54	PASS
				Peak	5350.000	-38.01	≤-21.20	57.19	≤68.3	PASS
				Peak	5383.560	-34.96	≤-21.20	60.24	≤68.3	PASS
				Peak	5460.000	-37.73	≤-21.20	57.47	≤68.3	PASS
11AC80S ISO	Ant0	Low	5210	AV	4500.000	-46.84	≤-41.20	48.36	≤54	PASS
				AV	5149.500	-43.69	≤-41.20	51.51	≤54	PASS
				AV	5150.000	-43.64	≤-41.20	51.56	≤54	PASS
				Peak	4500.000	-39.13	≤-21.20	56.07	≤68.3	PASS
				Peak	4920.750	-35.34	≤-21.20	59.86	≤68.3	PASS
				Peak	5150.000	-34.92	≤-21.20	60.28	≤68.3	PASS
		High	5210	AV	5350.000	-45.7	≤-41.20	49.50	≤54	PASS
				AV	5366.200	-45.18	≤-41.20	50.02	≤54	PASS
				AV	5460.000	-45.89	≤-41.20	49.31	≤54	PASS
				Peak	5350.000	-37.79	≤-21.20	57.41	≤68.3	PASS
				Peak	5441.520	-35.64	≤-21.20	59.56	≤68.3	PASS
				Peak	5460.000	-35.72	≤-21.20	59.48	≤68.3	PASS



Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-47.77	≤-41.20	47.43	≤54	PASS
				AV	5146.800	-45.64	≤-41.20	49.56	≤54	PASS
				AV	5150.000	-45.69	≤-41.20	49.51	≤54	PASS
				Peak	4500.000	-38.43	≤-21.20	56.77	≤68.3	PASS
				Peak	5060.000	-35.42	≤-21.20	59.78	≤68.3	PASS
				Peak	5150.000	-37.18	≤-21.20	58.02	≤68.3	PASS
		High	5240	AV	5350.000	-46.25	≤-41.20	48.95	≤54	PASS
				AV	5397.840	-46.02	≤-41.20	49.18	≤54	PASS
				AV	5460.000	-46.11	≤-41.20	49.09	≤54	PASS
				Peak	5350.000	-38.02	≤-21.20	57.18	≤68.3	PASS
				Peak	5432.160	-35.27	≤-21.20	59.93	≤68.3	PASS
				Peak	5460.000	-37.77	≤-21.20	57.43	≤68.3	PASS
11N20SI SO	Ant1	Low	5180	AV	4500.000	-47.74	≤-41.20	47.46	≤54	PASS
				AV	5149.600	-45.59	≤-41.20	49.61	≤54	PASS
				AV	5150.000	-45.32	≤-41.20	49.88	≤54	PASS
				Peak	4500.000	-38.19	≤-21.20	57.01	≤68.3	PASS
				Peak	5148.900	-32.97	≤-21.20	62.23	≤68.3	PASS
				Peak	5150.000	-34.89	≤-21.20	60.31	≤68.3	PASS
		High	5240	AV	5350.000	-46.29	≤-41.20	48.91	≤54	PASS
				AV	5387.520	-45.97	≤-41.20	49.23	≤54	PASS
				AV	5460.000	-46.2	≤-41.20	49.00	≤54	PASS
				Peak	5350.000	-36.88	≤-21.20	58.32	≤68.3	PASS
				Peak	5417.520	-35.64	≤-21.20	59.56	≤68.3	PASS
				Peak	5460.000	-38.37	≤-21.20	56.83	≤68.3	PASS
11N40SI SO	Ant1	Low	5190	AV	4500.000	-47.55	≤-41.20	47.65	≤54	PASS
				AV	5149.600	-41.95	≤-41.20	53.25	≤54	PASS
				AV	5150.000	-41.47	≤-41.20	53.73	≤54	PASS
				Peak	4500.000	-39.22	≤-21.20	55.98	≤68.3	PASS
				Peak	5148.900	-29.46	≤-21.20	65.74	≤68.3	PASS
				Peak	5150.000	-30.56	≤-21.20	64.64	≤68.3	PASS
		High	5230	AV	5350.000	-45.81	≤-41.20	49.39	≤54	PASS
				AV	5418.920	-45.41	≤-41.20	49.79	≤54	PASS
				AV	5460.000	-46.02	≤-41.20	49.18	≤54	PASS
				Peak	5350.000	-37.96	≤-21.20	57.24	≤68.3	PASS
				Peak	5431.140	-35.17	≤-21.20	60.03	≤68.3	PASS
				Peak	5460.000	-38.21	≤-21.20	56.99	≤68.3	PASS
11AC20S ISO	Ant1	Low	5180	AV	4500.000	-47.73	≤-41.20	47.47	≤54	PASS
				AV	5149.600	-45.51	≤-41.20	49.69	≤54	PASS
				AV	5150.000	-45.44	≤-41.20	49.76	≤54	PASS



				Peak	4500.000	-38.88	≤ -21.20	56.32	≤ 68.3	PASS
				Peak	4852.800	-35.14	≤ -21.20	60.06	≤ 68.3	PASS
				Peak	5150.000	-35.85	≤ -21.20	59.35	≤ 68.3	PASS
		High	5240	AV	5350.000	-46.15	≤ -41.20	49.05	≤ 54	PASS
				AV	5393.760	-45.87	≤ -41.20	49.33	≤ 54	PASS
				AV	5460.000	-46.37	≤ -41.20	48.83	≤ 54	PASS
				Peak	5350.000	-37.86	≤ -21.20	57.34	≤ 68.3	PASS
				Peak	5377.680	-35.42	≤ -21.20	59.78	≤ 68.3	PASS
				Peak	5460.000	-37.86	≤ -21.20	57.34	≤ 68.3	PASS
11AC40S ISO	Ant1	Low	5190	AV	4500.000	-47.34	≤ -41.20	47.86	≤ 54	PASS
				AV	5149.600	-41.84	≤ -41.20	53.36	≤ 54	PASS
				AV	5150.000	-41.43	≤ -41.20	53.77	≤ 54	PASS
				Peak	4500.000	-39.04	≤ -21.20	56.16	≤ 68.3	PASS
				Peak	5149.600	-32.79	≤ -21.20	62.41	≤ 68.3	PASS
				Peak	5150.000	-30.71	≤ -21.20	64.49	≤ 68.3	PASS
		High	5230	AV	5350.000	-45.71	≤ -41.20	49.49	≤ 54	PASS
				AV	5379.660	-45.3	≤ -41.20	49.90	≤ 54	PASS
				AV	5460.000	-45.87	≤ -41.20	49.33	≤ 54	PASS
				Peak	5350.000	-36.75	≤ -21.20	58.45	≤ 68.3	PASS
				Peak	5411.900	-34.78	≤ -21.20	60.42	≤ 68.3	PASS
				Peak	5460.000	-38.5	≤ -21.20	56.70	≤ 68.3	PASS
11AC80S ISO	Ant1	Low	5210	AV	4500.000	-46.93	≤ -41.20	48.27	≤ 54	PASS
				AV	5149.500	-42.18	≤ -41.20	53.02	≤ 54	PASS
				AV	5150.000	-41.83	≤ -41.20	53.37	≤ 54	PASS
				Peak	4500.000	-37.88	≤ -21.20	57.32	≤ 68.3	PASS
				Peak	5146.500	-30.79	≤ -21.20	64.41	≤ 68.3	PASS
				Peak	5150.000	-32.35	≤ -21.20	62.85	≤ 68.3	PASS
		High	5210	AV	5350.000	-45.42	≤ -41.20	49.78	≤ 54	PASS
				AV	5435.360	-44.94	≤ -41.20	50.26	≤ 54	PASS
				AV	5460.000	-45.51	≤ -41.20	49.69	≤ 54	PASS
				Peak	5350.000	-38.3	≤ -21.20	56.90	≤ 68.3	PASS
				Peak	5442.640	-35.97	≤ -21.20	59.23	≤ 68.3	PASS
				Peak	5460.000	-37.3	≤ -21.20	57.90	≤ 68.3	PASS



MIMO

TestMode	Channel	Detector	Freq. [MHz]	Ant0 [dBm]	Ant1 [dBm]	Sum [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11N20	5180	AV	4500.000	-47.6	-47.74	-44.66	≤-41.20	50.57	≤54	PASS
		AV	4889.200	-45.46	-45.59	-42.51	≤-41.20	52.71	≤54	PASS
		AV	5150.000	-45.64	-45.32	-42.47	≤-41.20	52.76	≤54	PASS
		Peak	4500.000	-39.21	-38.19	-35.66	≤-21.20	59.57	≤68.3	PASS
		Peak	5031.300	-34.61	-32.97	-30.70	≤-21.20	64.52	≤68.3	PASS
		Peak	5150.000	-37.55	-34.89	-33.01	≤-21.20	62.22	≤68.3	PASS
	5240	AV	5350.000	-46.34	-46.29	-43.30	≤-41.20	51.92	≤54	PASS
		AV	5371.200	-46.12	-45.97	-43.03	≤-41.20	52.19	≤54	PASS
		AV	5460.000	-46.38	-46.2	-43.28	≤-41.20	51.95	≤54	PASS
		Peak	5350.000	-38.81	-36.88	-34.73	≤-21.20	60.50	≤68.3	PASS
		Peak	5422.080	-35.78	-35.64	-32.70	≤-21.20	62.53	≤68.3	PASS
		Peak	5460.000	-38.52	-38.37	-35.43	≤-21.20	59.79	≤68.3	PASS
11N40	5190	AV	4500.000	-47.53	-47.55	-44.53	≤-41.20	50.70	≤54	PASS
		AV	4900.400	-45.11	-45.95	-40.24	≤-41.20	52.73	≤54	PASS
		AV	5150.000	-45.33	-45.47	-39.97	≤-41.20	52.83	≤54	PASS
		Peak	4500.000	-39.31	-39.22	-36.25	≤-21.20	58.97	≤68.3	PASS
		Peak	4934.700	-33.88	-29.46	-28.12	≤-21.20	67.11	≤68.3	PASS
		Peak	5150.000	-36.82	-30.56	-29.64	≤-21.20	65.59	≤68.3	PASS
	5230	AV	5350.000	-46.13	-45.81	-42.96	≤-41.20	44.89	≤54	PASS
		AV	5381.740	-45.65	-45.41	-42.52	≤-41.20	44.93	≤54	PASS
		AV	5460.000	-46.17	-46.02	-43.08	≤-41.20	52.27	≤54	PASS
		Peak	5350.000	-37.17	-37.96	-34.54	≤-21.20	52.71	≤68.3	PASS
		Peak	5384.600	-35.79	-35.17	-32.46	≤-21.20	52.14	≤68.3	PASS
		Peak	5460.000	-38.15	-38.21	-35.17	≤-21.20	60.69	≤68.3	PASS
11AC20	5180	AV	4500.000	-47.7	-47.73	-44.70	≤-41.20	50.52	≤54	PASS
		AV	4819.900	-45.51	-45.51	-42.50	≤-41.20	52.73	≤54	PASS
		AV	5150.000	-45.61	-45.44	-42.51	≤-41.20	52.71	≤54	PASS
		Peak	4500.000	-39.1	-38.88	-35.98	≤-21.20	59.25	≤68.3	PASS
		Peak	4882.900	-34.35	-35.14	-31.72	≤-21.20	63.51	≤68.3	PASS
		Peak	5150.000	-37.22	-35.85	-33.47	≤-21.20	61.76	≤68.3	PASS
	5240	AV	5350.000	-46.41	-46.15	-43.27	≤-41.20	51.96	≤54	PASS
		AV	5370.000	-46.15	-45.87	-43.00	≤-41.20	52.23	≤54	PASS
		AV	5460.000	-46.61	-46.37	-43.48	≤-41.20	51.75	≤54	PASS
		Peak	5350.000	-38.01	-37.86	-34.92	≤-21.20	60.30	≤68.3	PASS
		Peak	5422.560	-35.96	-35.42	-32.67	≤-21.20	62.56	≤68.3	PASS
		Peak	5460.000	-38.12	-37.86	-34.98	≤-21.20	60.25	≤68.3	PASS
11AC40	5190	AV	4500.000	-47.42	-47.34	-44.37	≤-41.20	50.86	≤54	PASS
		AV	5121.600	-45.29	-45.84	-42.55	≤-41.20	52.68	≤54	PASS
		AV	5150.000	-45.21	-45.43	-42.31	≤-41.20	52.92	≤54	PASS
		Peak	4500.000	-38.42	-39.04	-35.71	≤-21.20	59.52	≤68.3	PASS



		Peak	5111.800	-35.33	-32.79	-30.87	≤ -21.20	64.36	≤ 68.3	PASS
		Peak	5150.000	-36.7	-30.71	-29.73	≤ -21.20	65.49	≤ 68.3	PASS
	5230	AV	5350.000	-46.08	-45.71	-42.88	≤ -41.20	52.35	≤ 54	PASS
		AV	5394.740	-45.39	-45.3	-42.33	≤ -41.20	52.89	≤ 54	PASS
		AV	5460.000	-46.16	-45.87	-43.00	≤ -41.20	52.23	≤ 54	PASS
		Peak	5350.000	-38.01	-36.75	-34.32	≤ -21.20	60.90	≤ 68.3	PASS
		Peak	5383.560	-34.96	-34.78	-31.86	≤ -21.20	63.37	≤ 68.3	PASS
		Peak	5460.000	-37.73	-38.5	-35.09	≤ -21.20	60.14	≤ 68.3	PASS
11AC80	5210	AV	4500.000	-46.84	-46.93	-43.87	≤ -41.20	51.35	≤ 54	PASS
		AV	5149.500	-44.69	-45.18	-41.92	≤ -41.20	53.31	≤ 54	PASS
		AV	5150.000	-44.64	-45.83	-42.18	≤ -41.20	53.05	≤ 54	PASS
		Peak	4500.000	-39.13	-37.88	-35.45	≤ -21.20	59.78	≤ 68.3	PASS
		Peak	4920.750	-35.34	-30.79	-29.48	≤ -21.20	65.74	≤ 68.3	PASS
		Peak	5150.000	-34.92	-32.35	-30.44	≤ -21.20	64.79	≤ 68.3	PASS
	5210	AV	5350.000	-45.7	-45.42	-42.55	≤ -41.20	52.68	≤ 54	PASS
		AV	5366.200	-45.18	-44.94	-42.05	≤ -41.20	53.18	≤ 54	PASS
		AV	5460.000	-45.89	-45.51	-42.69	≤ -41.20	52.54	≤ 54	PASS
		Peak	5350.000	-37.79	-38.3	-35.03	≤ -21.20	60.20	≤ 68.3	PASS
		Peak	5441.520	-35.64	-35.97	-32.79	≤ -21.20	62.44	≤ 68.3	PASS
		Peak	5460.000	-35.72	-37.3	-33.43	≤ -21.20	61.80	≤ 68.3	PASS

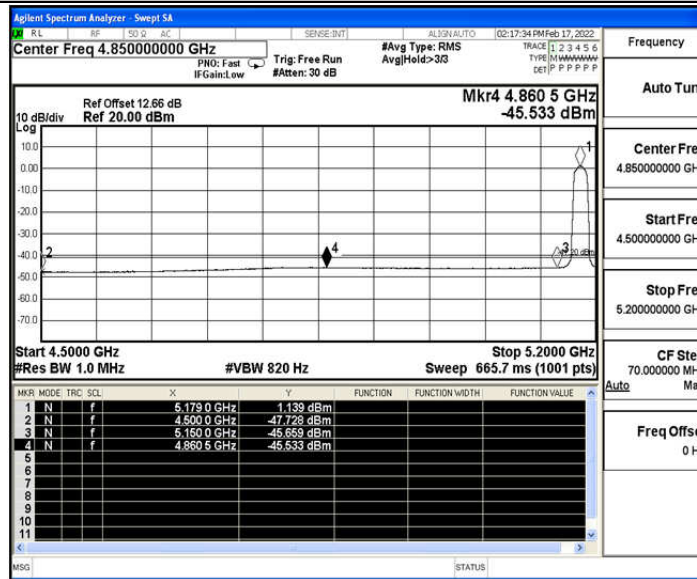
Note:

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.

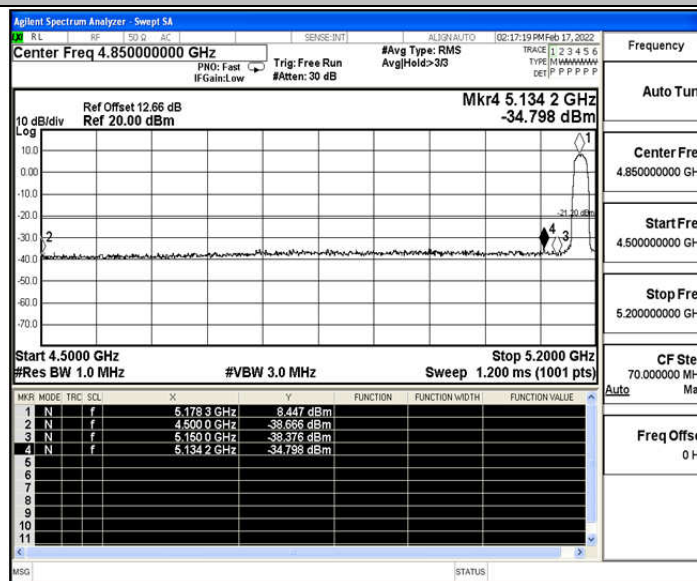


Test Graphs

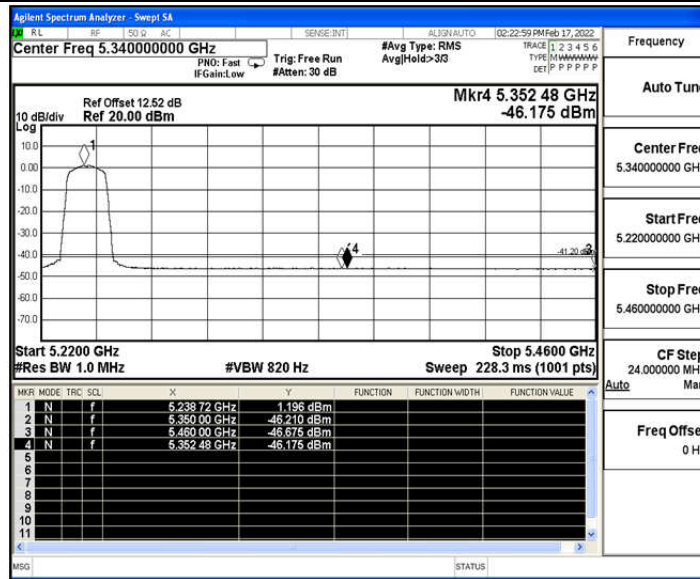
11A_Ant0_Low_5180_AV



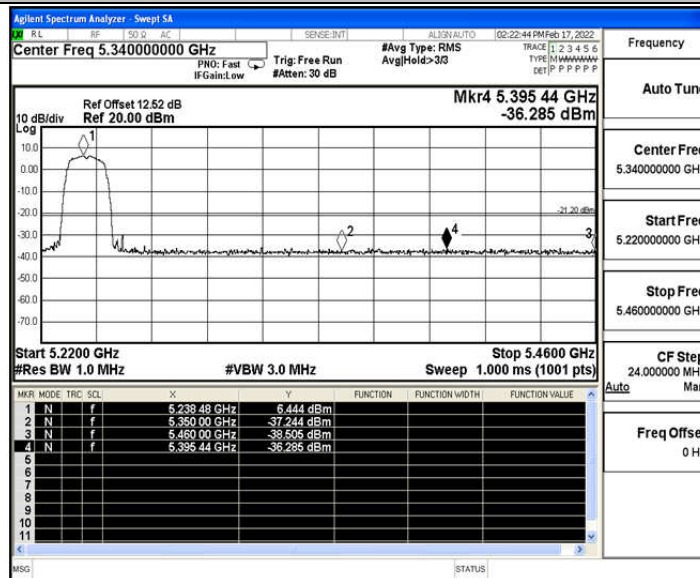
11A_Ant0_Low_5180_Peak



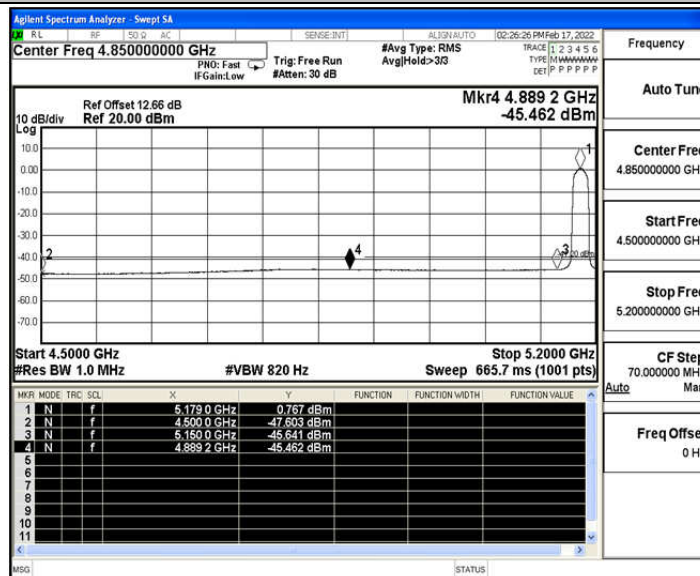
11A_Ant0_High_5240_AV



11A_Ant0_High_5240_Peak

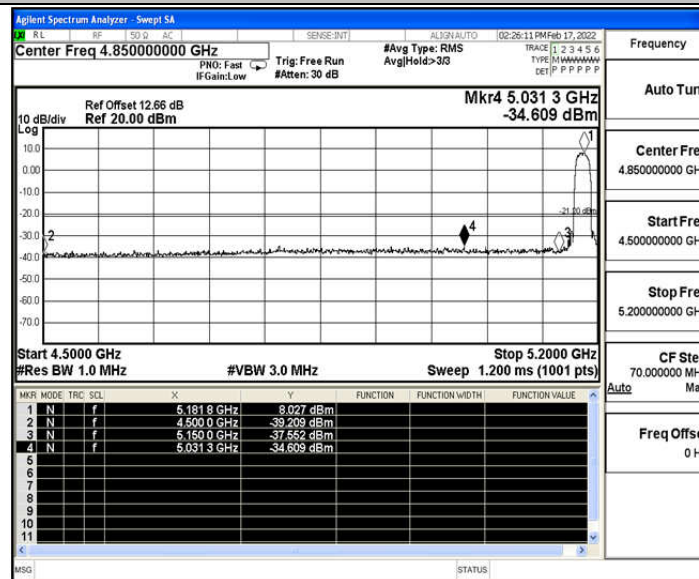


11N20SISO_Ant0_Low_5180_AV

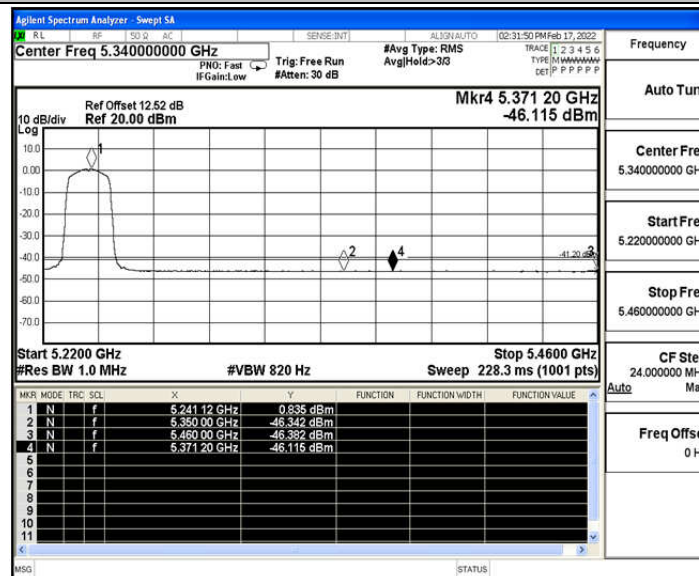




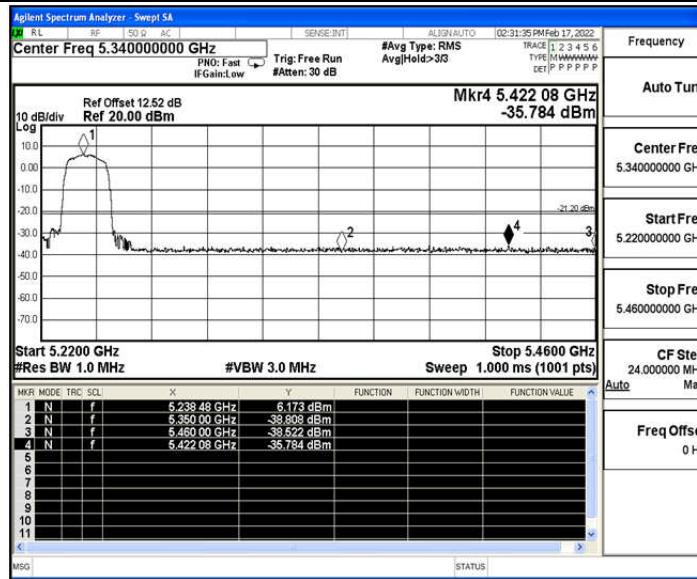
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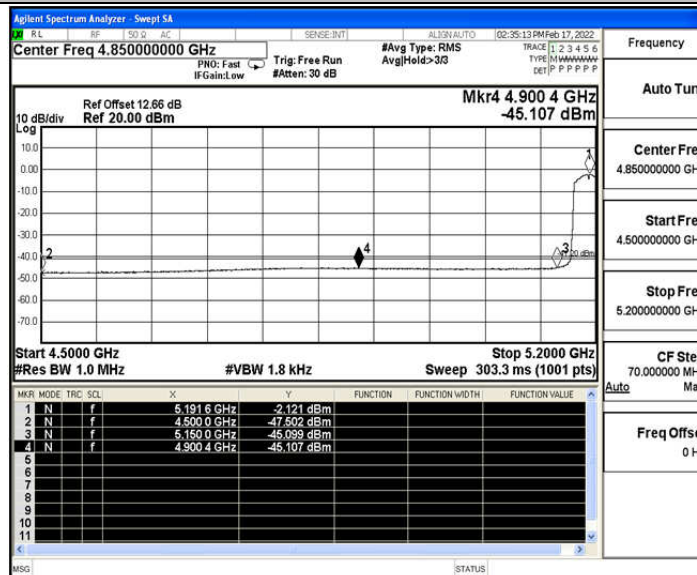
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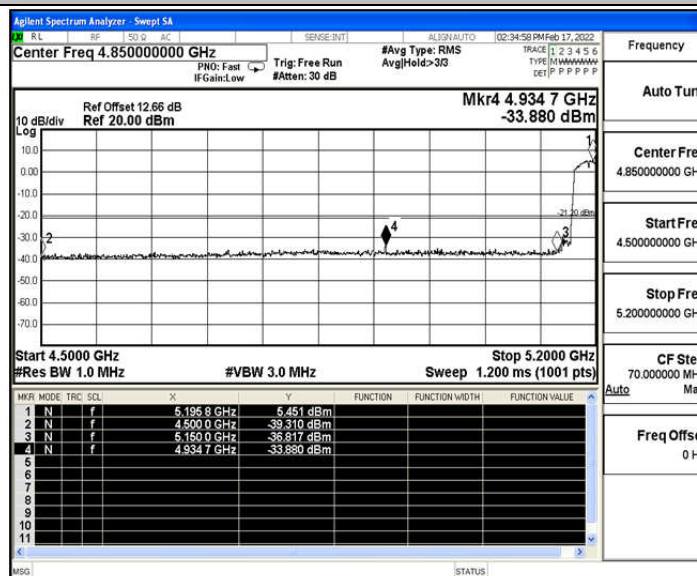
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11N40SISO_Ant0_Low_5190_AV

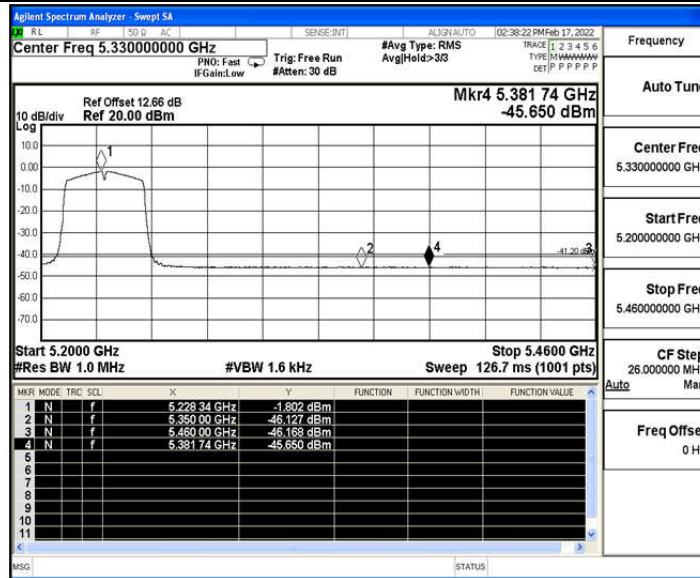


11N40SISO_Ant0_Low_5190_Peak

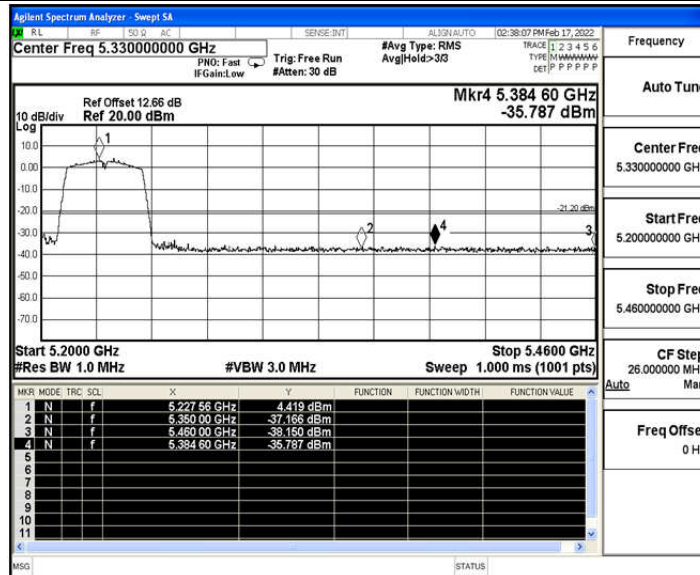




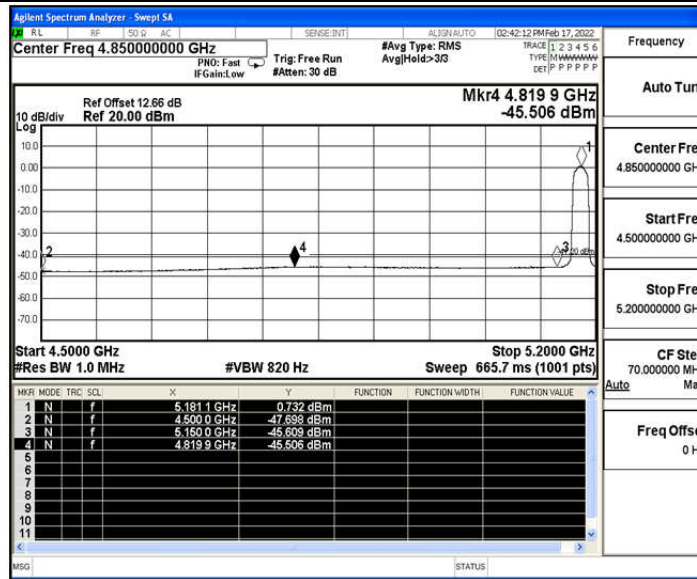
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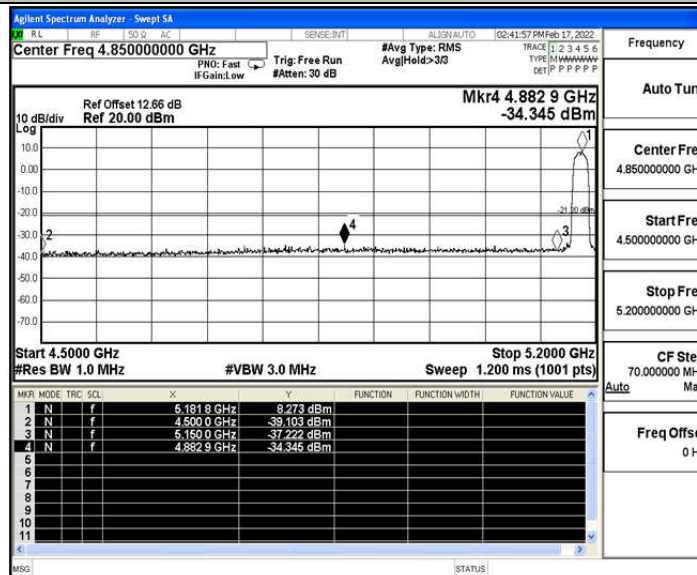
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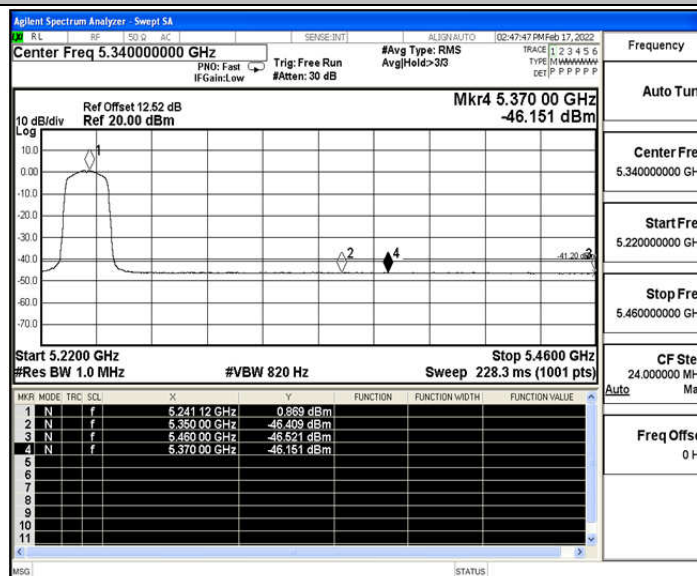
11AC20SISO_Ant0_Low_5180_AV



11AC20SISO_Ant0_Low_5180_Peak

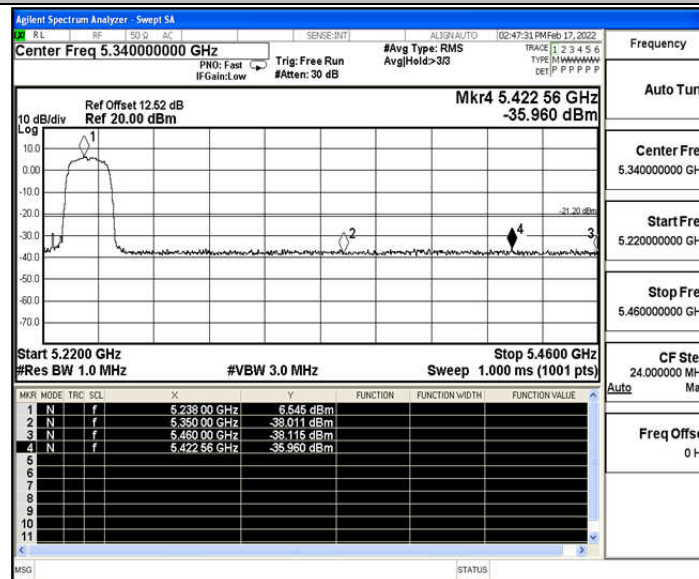


11AC20SISO_Ant0_High_5240_AV

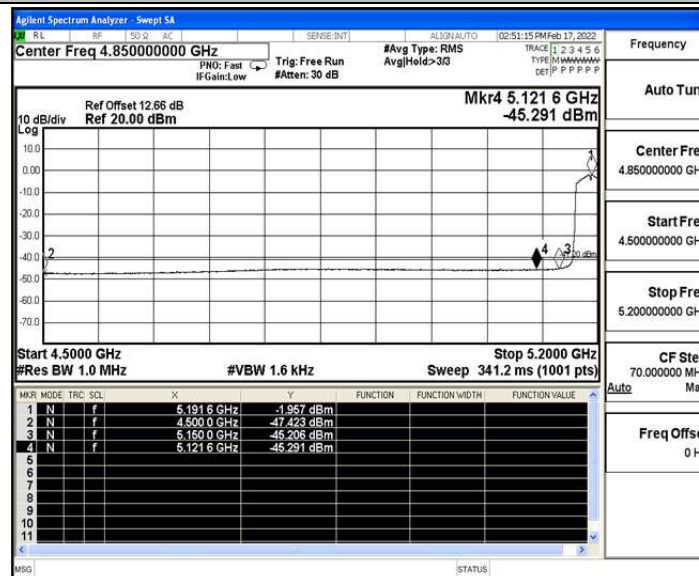




11AC20SISO_Ant0_High_5240_Peak



11AC40SISO_Ant0_Low_5190_AV



11AC40SISO_Ant0_Low_5190_Peak