



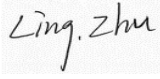
Appendix D

RF Test Data for 5.2G WIFI (Conducted Measurement)

Product Name: Tablet

Test Model: 8WB1

Environmental Conditions

Temperature:	22.5℃
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	 Ling Zhu
Supervised by:	 Li Huan



D.1 Emission Bandwidth

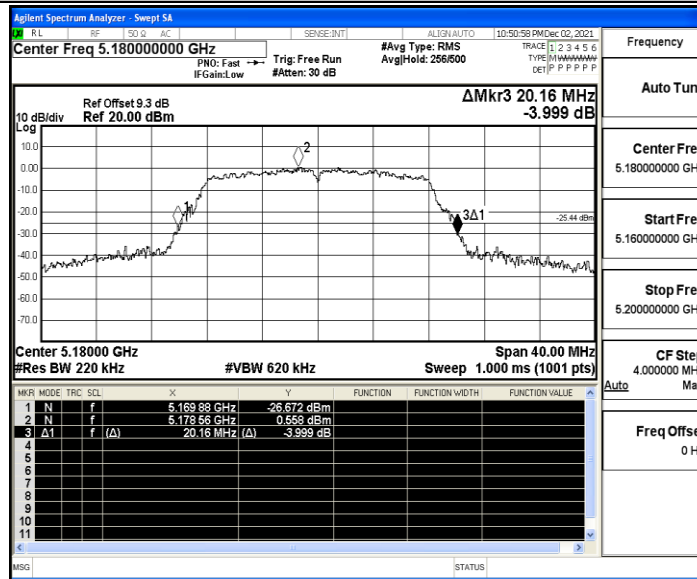
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.160	5169.880	5190.040	---	PASS
		5200	20.040	5189.880	5209.920	---	PASS
		5240	20.000	5229.880	5249.880	---	PASS
11N20SISO	Ant1	5180	20.040	5169.960	5190.000	---	PASS
		5200	20.120	5189.920	5210.040	---	PASS
		5240	20.000	5230.000	5250.000	---	PASS
11N40SISO	Ant1	5190	40.160	5169.840	5210.000	---	PASS
		5230	40.160	5209.760	5249.920	---	PASS
11AC20SISO	Ant1	5180	20.120	5169.880	5190.000	---	PASS
		5200	20.080	5190.040	5210.120	---	PASS
		5240	20.200	5229.840	5250.040	---	PASS
11AC40SISO	Ant1	5190	40.160	5170.000	5210.160	---	PASS
		5230	40.480	5209.760	5250.240	---	PASS
11AC80SISO	Ant1	5210	81.920	5169.040	5250.960	---	PASS

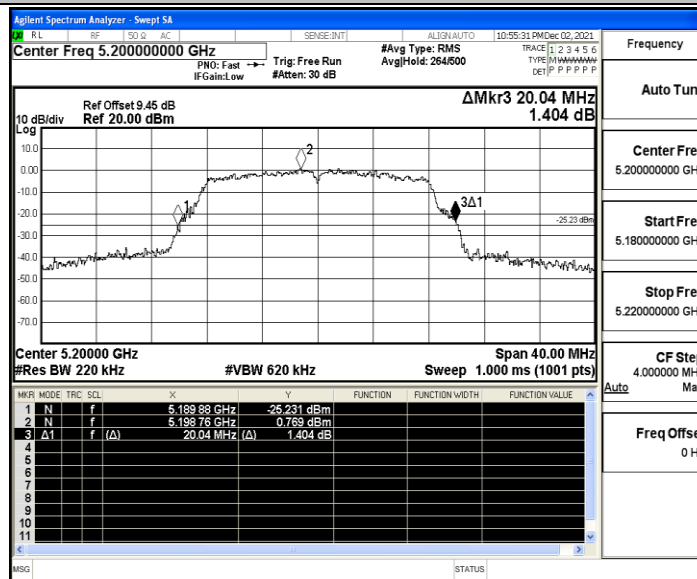


Test Graphs

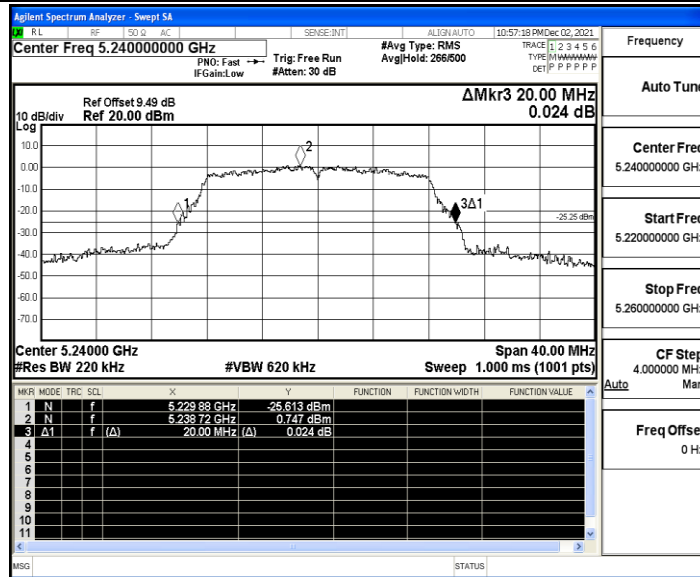
11A_Ant1_5180



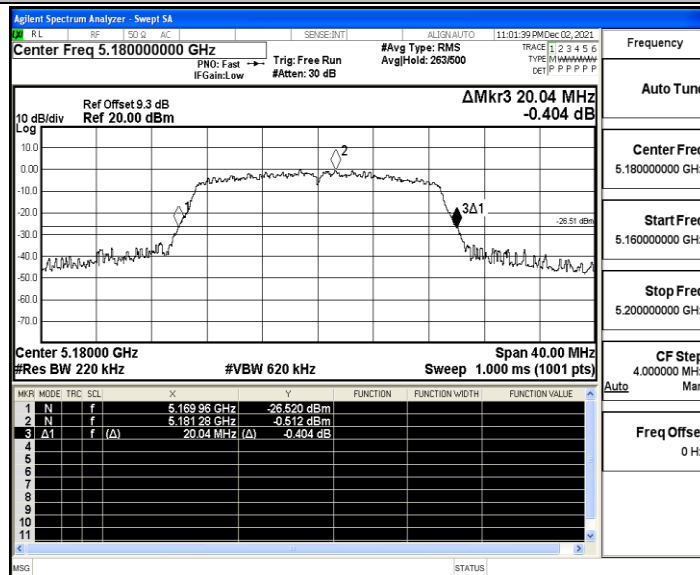
11A_Ant1_5200



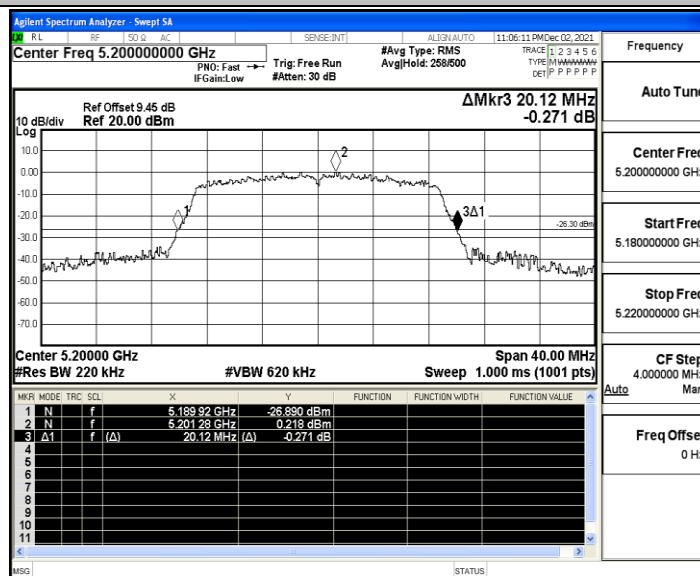
11A_Ant1_5240



11N20SISO_Ant1_5180

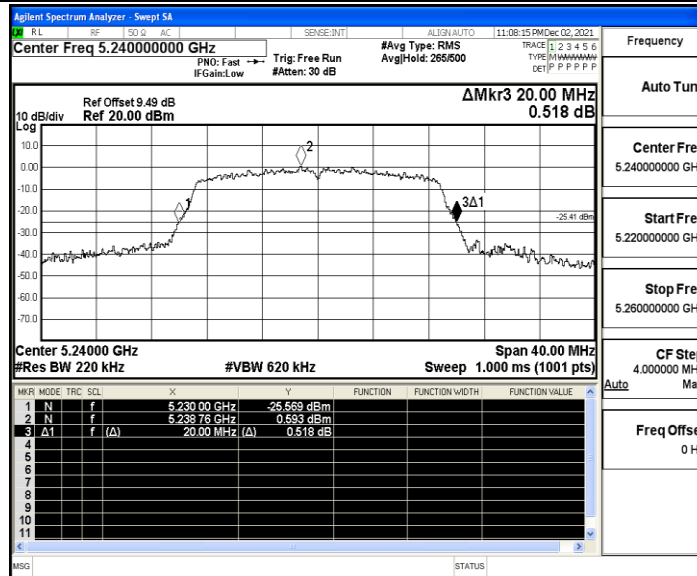


11N20SISO_Ant1_5200

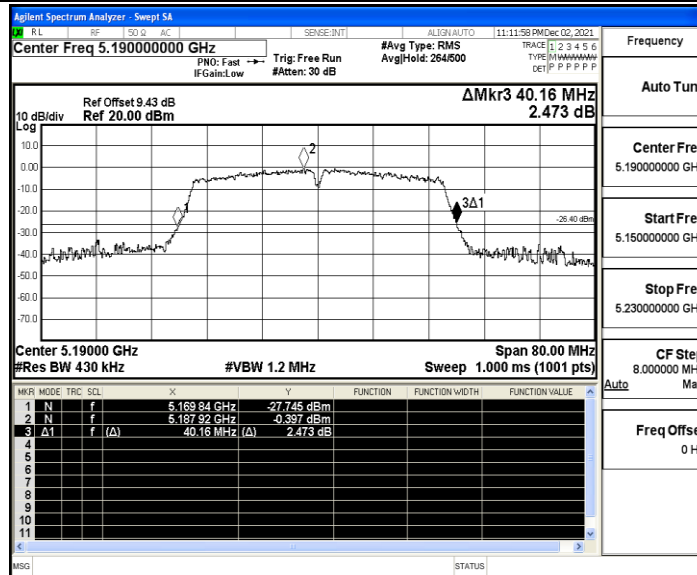




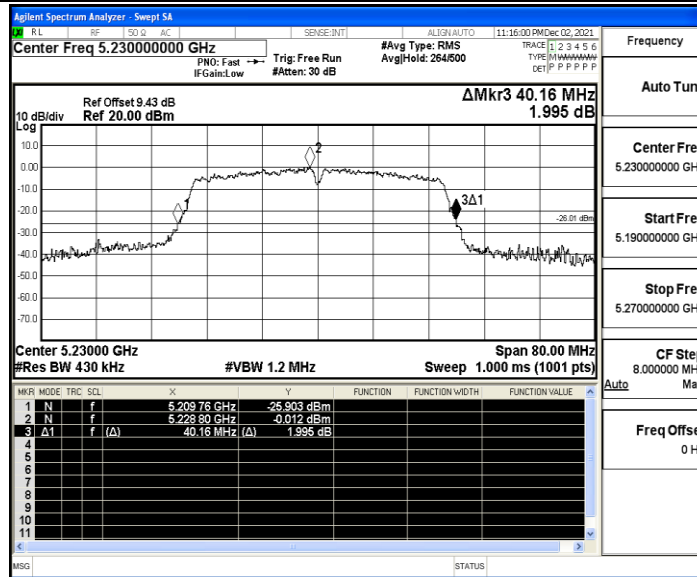
11N20SISO_Ant1_5240



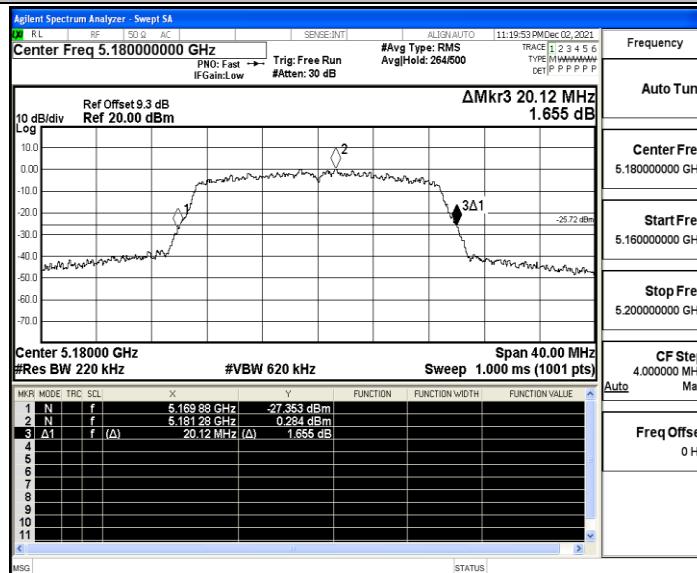
11N40SISO_Ant1_5190



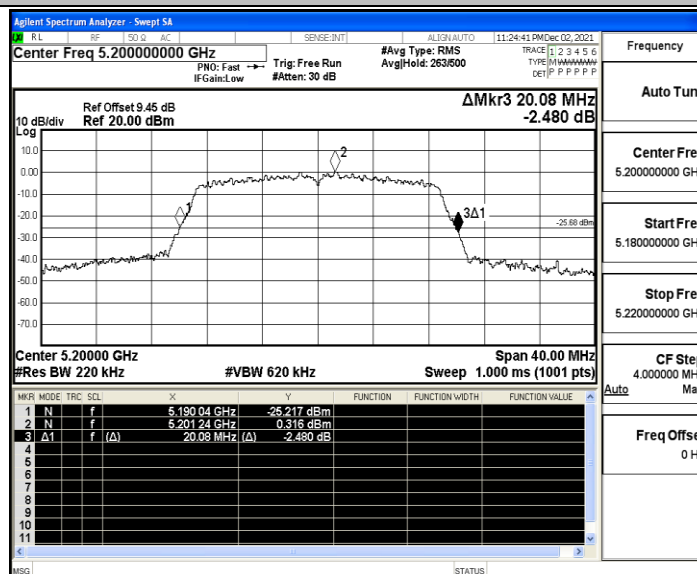
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180

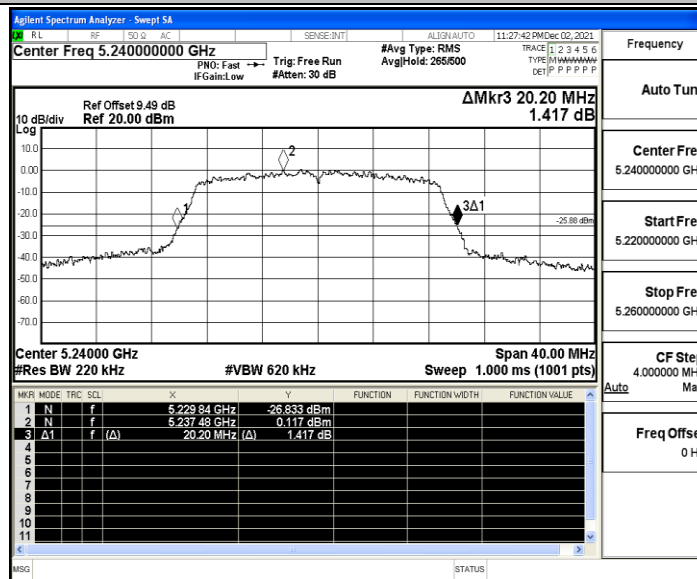


11AC20SISO_Ant1_5200

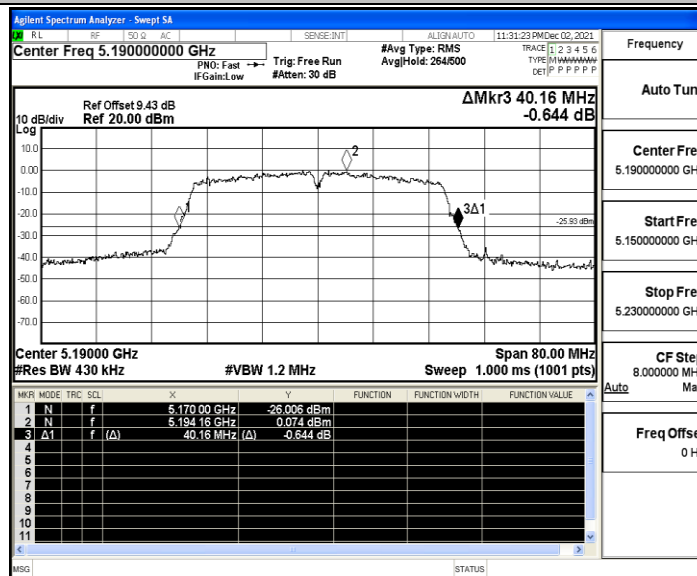




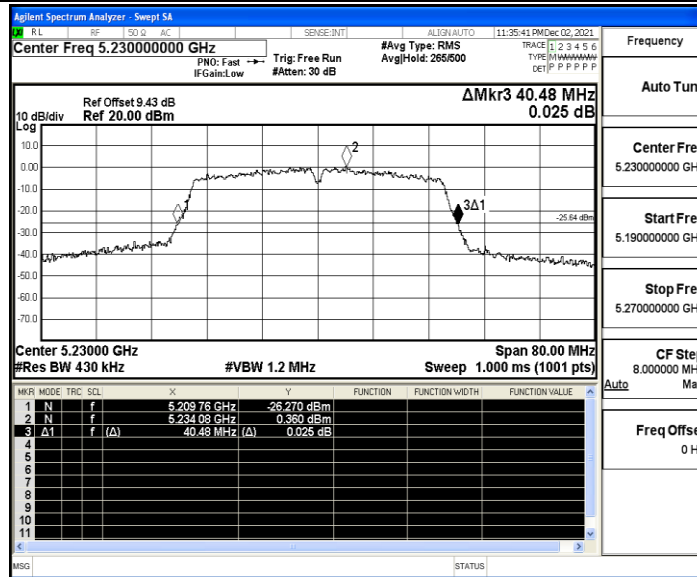
11AC20SISO_Ant1_5240



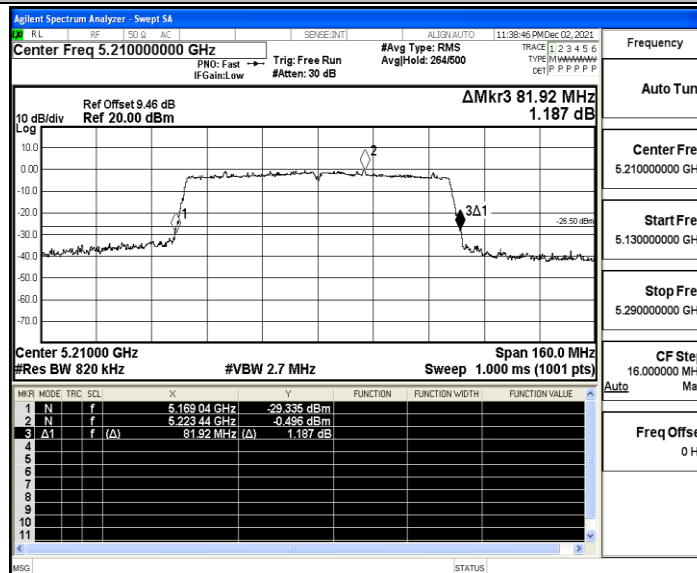
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210





D.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.64	≤ 23.98	PASS
		5200	13.90	≤ 23.98	PASS
		5240	13.47	≤ 23.98	PASS
11N20SISO	Ant1	5180	12.97	≤ 23.98	PASS
		5200	12.24	≤ 23.98	PASS
		5240	12.78	≤ 23.98	PASS
11N40SISO	Ant1	5190	12.56	≤ 23.98	PASS
		5230	12.88	≤ 23.98	PASS
11AC20SISO	Ant1	5180	13.01	≤ 23.98	PASS
		5200	13.32	≤ 23.98	PASS
		5240	13.80	≤ 23.98	PASS
11AC40SISO	Ant1	5190	12.48	≤ 23.98	PASS
		5230	12.86	≤ 23.98	PASS
11AC80SISO	Ant1	5210	12.60	≤ 23.98	PASS

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

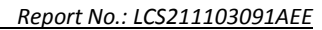


D.3 Maximum power spectral density

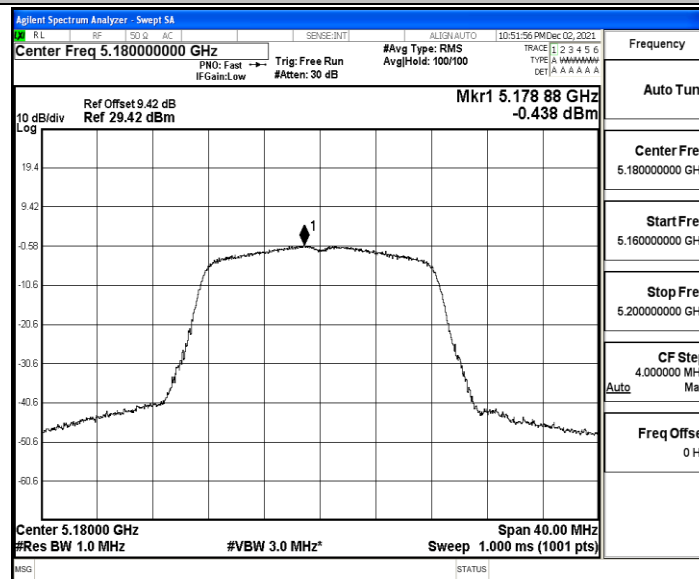
Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.44	≤11	PASS
		5200	0.12	≤11	PASS
		5240	-0.63	≤11	PASS
11N20SISO	Ant1	5180	-1.16	≤11	PASS
		5200	-0.77	≤11	PASS
		5240	-0.11	≤11	PASS
11N40SISO	Ant1	5190	-3.3	≤11	PASS
		5230	-3.15	≤11	PASS
11AC20SISO	Ant1	5180	-1.1	≤11	PASS
		5200	-0.87	≤11	PASS
		5240	-0.29	≤11	PASS
11AC40SISO	Ant1	5190	-3.6	≤11	PASS
		5230	-3.31	≤11	PASS
11AC80SISO	Ant1	5210	-7.22	≤11	PASS

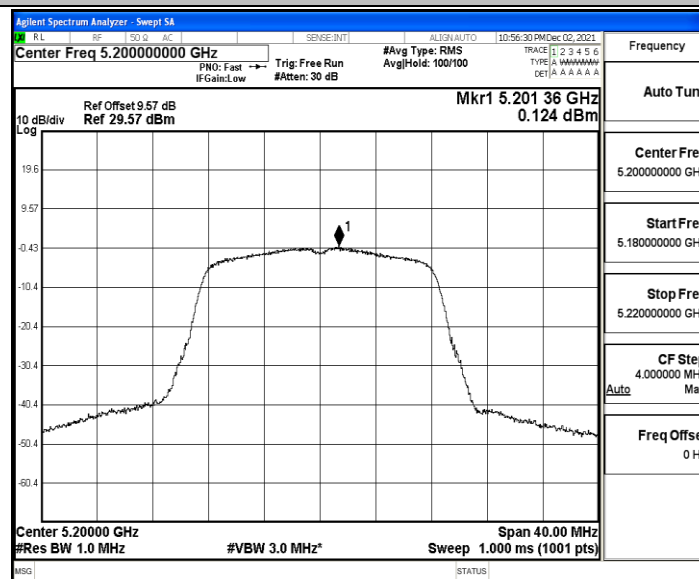
Note: The Duty Cycle Factor and RBW Factor is compensated in the graph.



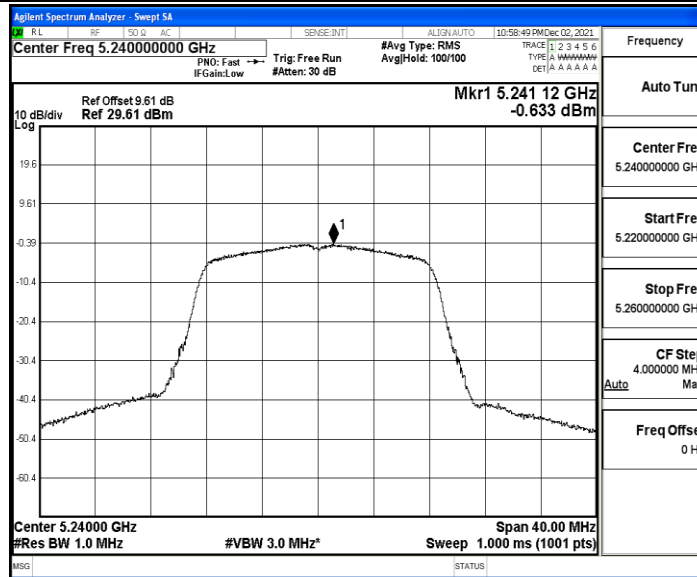
11A_Ant1_5180



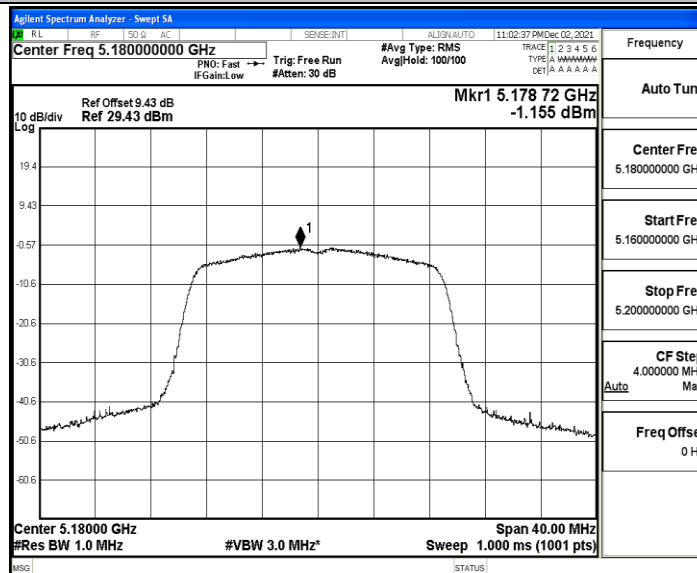
11A_Ant1_5200



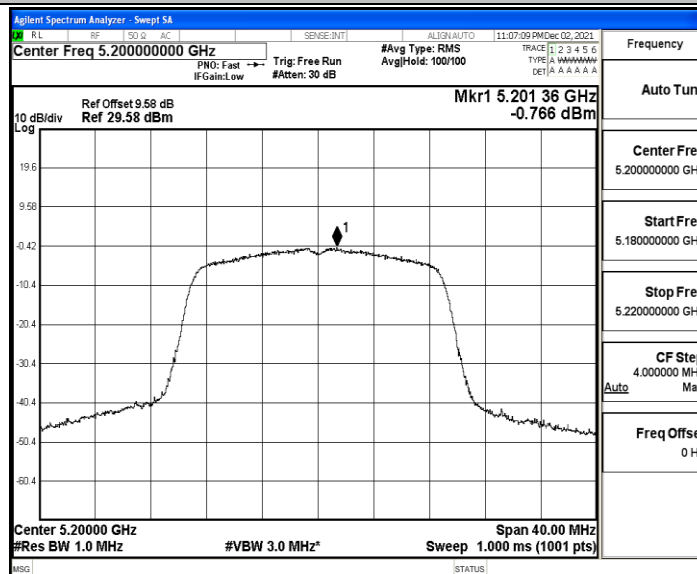
11A_Ant1_5240



11N20SISO_Ant1_5180

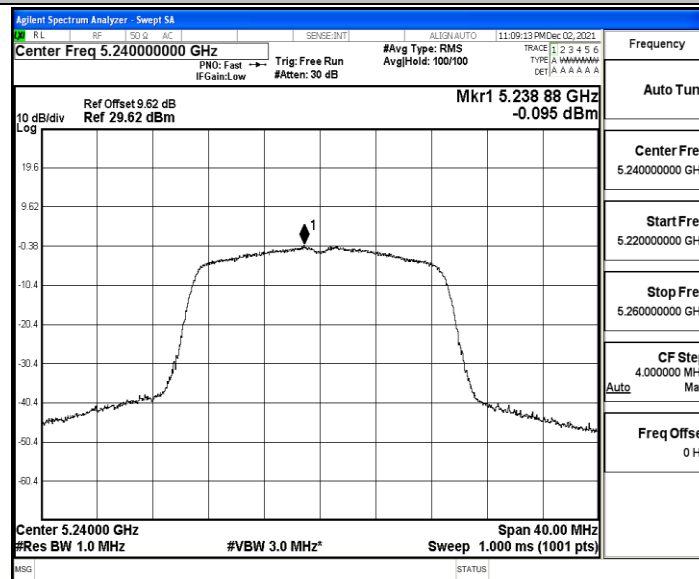


11N20SISO_Ant1_5200

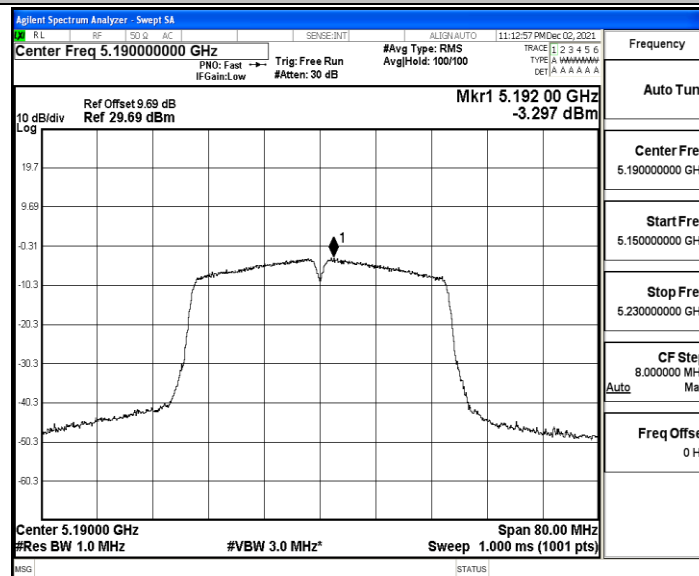




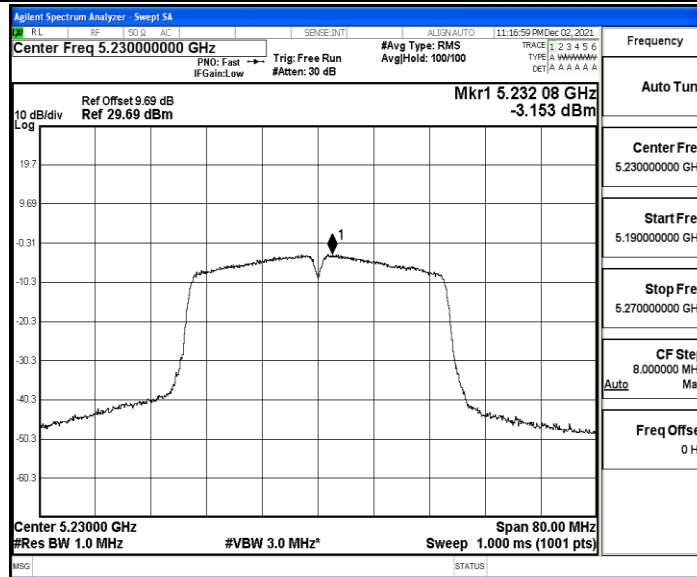
11N20SISO_Ant1_5240



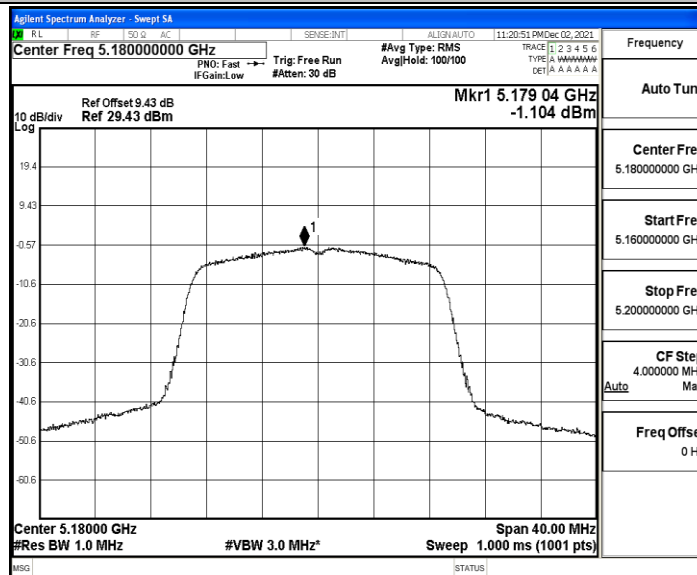
11N40SISO_Ant1_5190



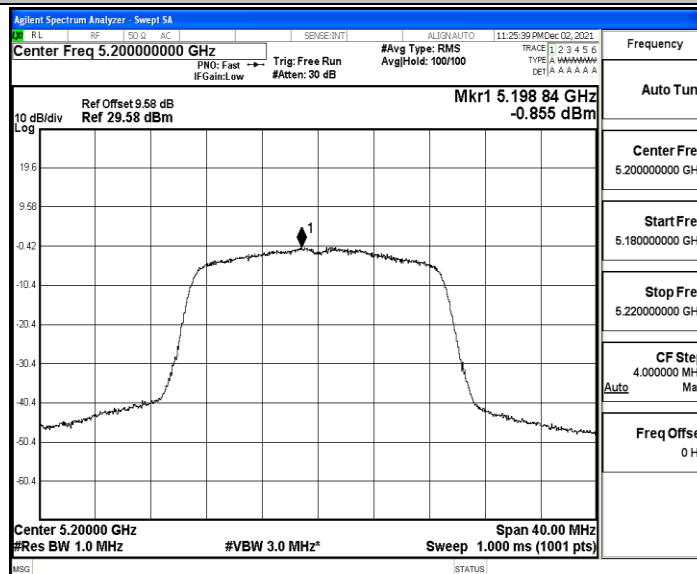
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180

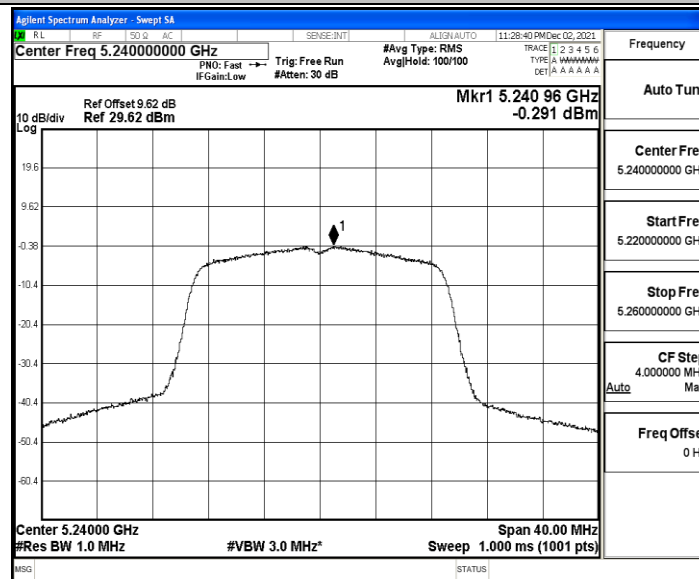


11AC20SISO_Ant1_5200

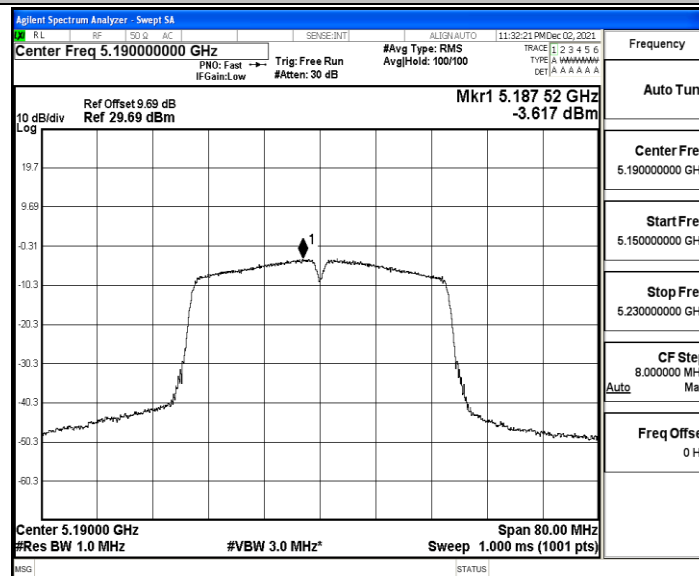




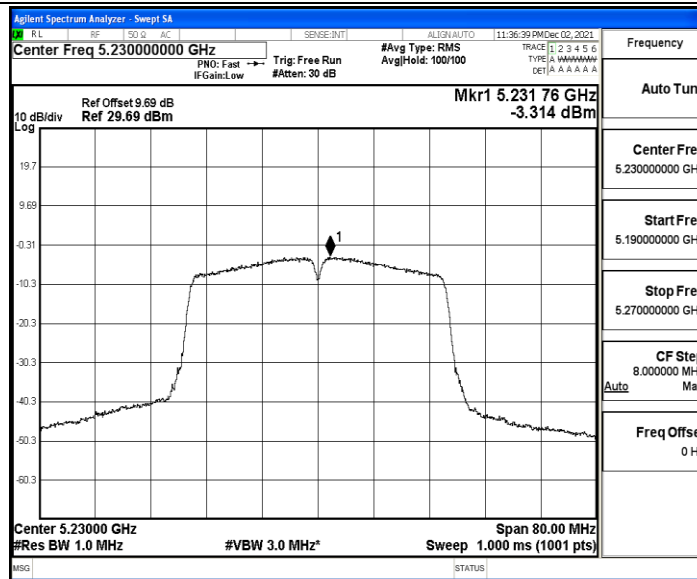
11AC20SISO_Ant1_5240



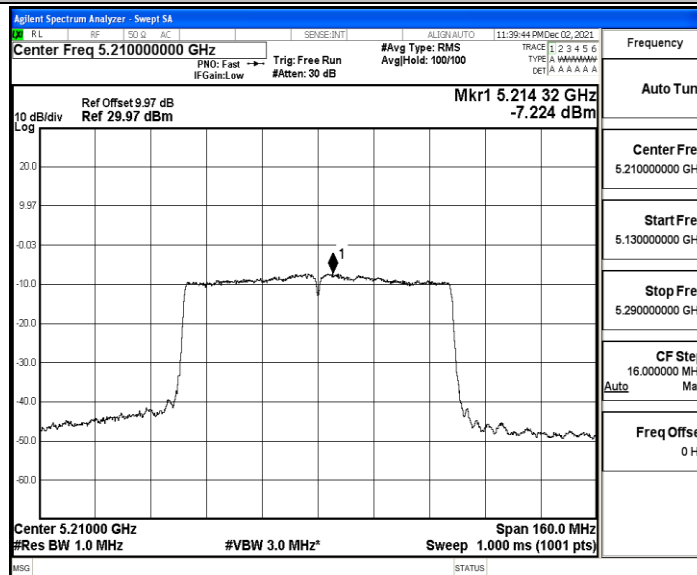
11AC40SISO_Ant1_5190



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	Ant1	Low	5180	AV	4500.000	-48.8	≤-41.20	46.40	≤54	PASS
				AV	5146.800	-46.45	≤-41.20	48.75	≤54	PASS
				AV	5150.000	-46.59	≤-41.20	48.61	≤54	PASS
				Peak	4500.000	-40.91	≤-21.20	54.29	≤74	PASS
				Peak	5139.800	-37.07	≤-21.20	58.13	≤74	PASS
				Peak	5150.000	-40.6	≤-21.20	54.60	≤74	PASS
		High	5240	AV	5350.000	-47.16	≤-41.20	48.04	≤54	PASS
				AV	5385.120	-46.95	≤-41.20	48.25	≤54	PASS
				AV	5460.000	-47.56	≤-41.20	47.64	≤54	PASS
				Peak	5350.000	-39.71	≤-21.20	55.49	≤74	PASS
				Peak	5433.120	-37.72	≤-21.20	57.48	≤74	PASS
				Peak	5460.000	-41.22	≤-21.20	53.98	≤74	PASS
11N20SIS O	Ant1	Low	5180	AV	4500.000	-48.84	≤-41.20	46.36	≤54	PASS
				AV	5146.800	-46.48	≤-41.20	48.72	≤54	PASS
				AV	5150.000	-46.59	≤-41.20	48.61	≤54	PASS
				Peak	4500.000	-41.59	≤-21.20	53.61	≤74	PASS
				Peak	5011.000	-37.1	≤-21.20	58.10	≤74	PASS
				Peak	5150.000	-38.4	≤-21.20	56.80	≤74	PASS
		High	5240	AV	5350.000	-47.07	≤-41.20	48.13	≤54	PASS
				AV	5374.560	-46.96	≤-41.20	48.24	≤54	PASS
				AV	5460.000	-47.43	≤-41.20	47.77	≤54	PASS
				Peak	5350.000	-38.22	≤-21.20	56.98	≤74	PASS
				Peak	5398.800	-37.77	≤-21.20	57.43	≤74	PASS
				Peak	5460.000	-41.24	≤-21.20	53.96	≤74	PASS
11N40SIS O	Ant1	Low	5190	AV	4500.000	-48.54	≤-41.20	46.66	≤54	PASS
				AV	5149.600	-44.21	≤-41.20	50.99	≤54	PASS
				AV	5150.000	-44.12	≤-41.20	51.08	≤54	PASS
				Peak	4500.000	-41.17	≤-21.20	54.03	≤74	PASS
				Peak	5149.600	-36.56	≤-21.20	58.64	≤74	PASS
				Peak	5150.000	-38.03	≤-21.20	57.17	≤74	PASS
		High	5230	AV	5350.000	-46.98	≤-41.20	48.22	≤54	PASS
				AV	5356.780	-46.63	≤-41.20	48.57	≤54	PASS
				AV	5460.000	-47.06	≤-41.20	48.14	≤54	PASS
				Peak	5350.000	-40.58	≤-21.20	54.62	≤74	PASS
				Peak	5436.860	-37.26	≤-21.20	57.94	≤74	PASS
				Peak	5460.000	-40.81	≤-21.20	54.39	≤74	PASS
11AC20SI	Ant1	Low	5180	AV	4500.000	-48.74	≤-41.20	46.46	≤54	PASS



SO				AV	5146.800	-46.56	≤ -41.20	48.64	≤ 54	PASS
				AV	5150.000	-46.61	≤ -41.20	48.59	≤ 54	PASS
				Peak	4500.000	-42.14	≤ -21.20	53.06	≤ 74	PASS
				Peak	4956.400	-36.81	≤ -21.20	58.39	≤ 74	PASS
				Peak	5150.000	-40.88	≤ -21.20	54.32	≤ 74	PASS
		High	5240	AV	5350.000	-47.05	≤ -41.20	48.15	≤ 54	PASS
				AV	5350.800	-46.99	≤ -41.20	48.21	≤ 54	PASS
				AV	5460.000	-47.54	≤ -41.20	47.66	≤ 54	PASS
				Peak	5350.000	-40.07	≤ -21.20	55.13	≤ 74	PASS
				Peak	5363.040	-37.49	≤ -21.20	57.71	≤ 74	PASS
				Peak	5460.000	-40.31	≤ -21.20	54.89	≤ 74	PASS
11AC40SI SO	Ant1	Low	5190	AV	4500.000	-48.49	≤ -41.20	46.71	≤ 54	PASS
				AV	5149.600	-44.46	≤ -41.20	50.74	≤ 54	PASS
				AV	5150.000	-44.28	≤ -41.20	50.92	≤ 54	PASS
				Peak	4500.000	-41.29	≤ -21.20	53.91	≤ 74	PASS
				Peak	5147.500	-36.84	≤ -21.20	58.36	≤ 74	PASS
				Peak	5150.000	-38.37	≤ -21.20	56.83	≤ 74	PASS
		High	5230	AV	5350.000	-47.04	≤ -41.20	48.16	≤ 54	PASS
				AV	5363.280	-46.71	≤ -41.20	48.49	≤ 54	PASS
				AV	5460.000	-47.41	≤ -41.20	47.79	≤ 54	PASS
				Peak	5350.000	-39.3	≤ -21.20	55.90	≤ 74	PASS
				Peak	5353.400	-37.89	≤ -21.20	57.31	≤ 74	PASS
				Peak	5460.000	-39.93	≤ -21.20	55.27	≤ 74	PASS
11AC80SI SO	Ant1	Low	5210	AV	4500.000	-47.96	≤ -41.20	47.24	≤ 54	PASS
				AV	5149.500	-41.56	≤ -41.20	53.64	≤ 54	PASS
				AV	5150.000	-41.39	≤ -41.20	53.81	≤ 54	PASS
				Peak	4500.000	-41.75	≤ -21.20	53.45	≤ 74	PASS
				Peak	5149.500	-35.09	≤ -21.20	60.11	≤ 74	PASS
				Peak	5150.000	-34.51	≤ -21.20	60.69	≤ 74	PASS
		High	5210	AV	5350.000	-46.63	≤ -41.20	48.57	≤ 54	PASS
				AV	5354.160	-46.18	≤ -41.20	49.02	≤ 54	PASS
				AV	5460.000	-47.1	≤ -41.20	48.10	≤ 54	PASS
				Peak	5350.000	-39.61	≤ -21.20	55.59	≤ 74	PASS
				Peak	5386.080	-36.9	≤ -21.20	58.30	≤ 74	PASS
				Peak	5460.000	-39.68	≤ -21.20	55.52	≤ 74	PASS

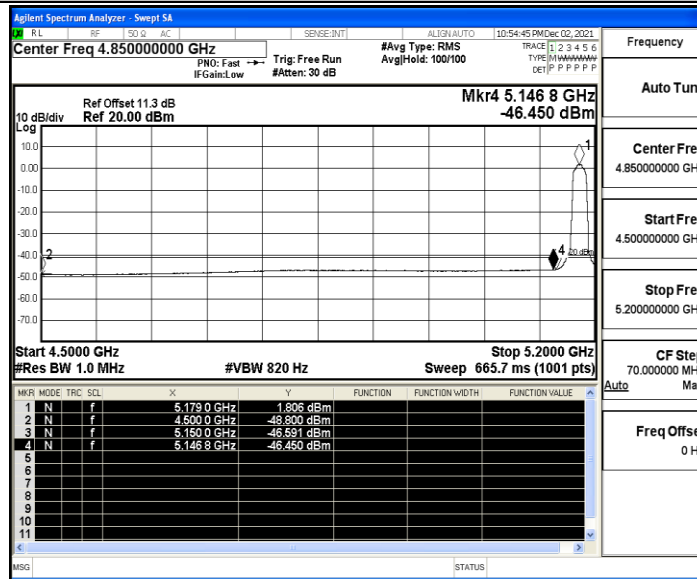
Note:

1. The Antenna Gain is compensated in the graph.
2. For transmitters operating in 5150-5250 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.

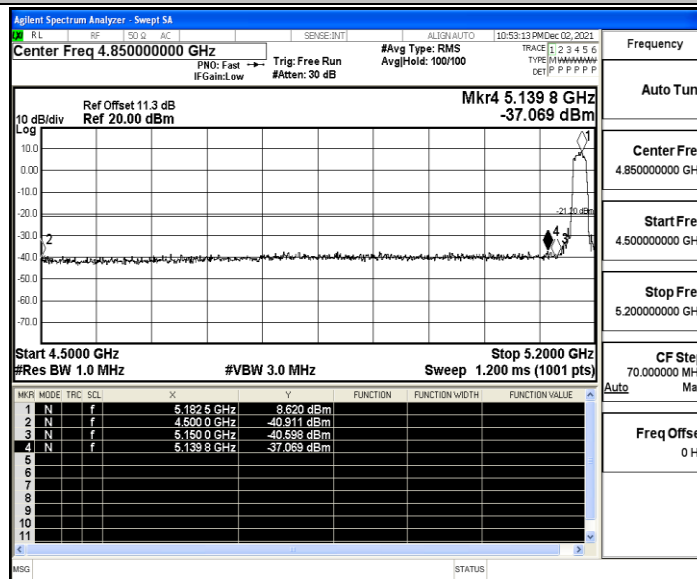


Test Graphs

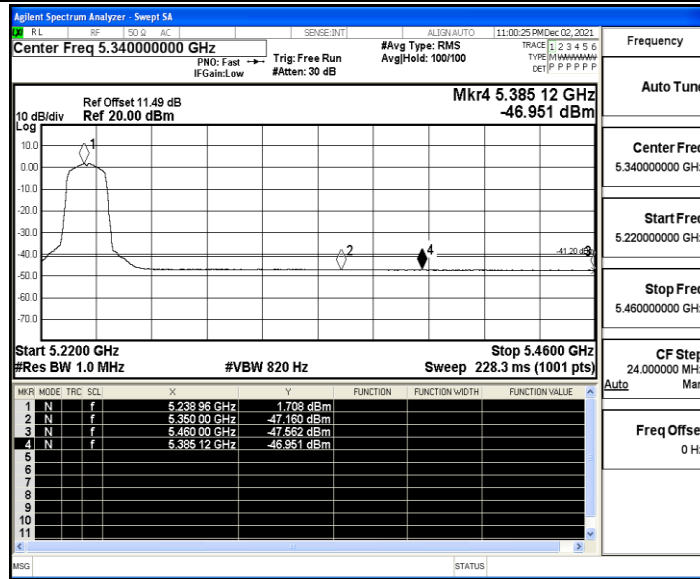
11A_Ant1_Low_5180_AV



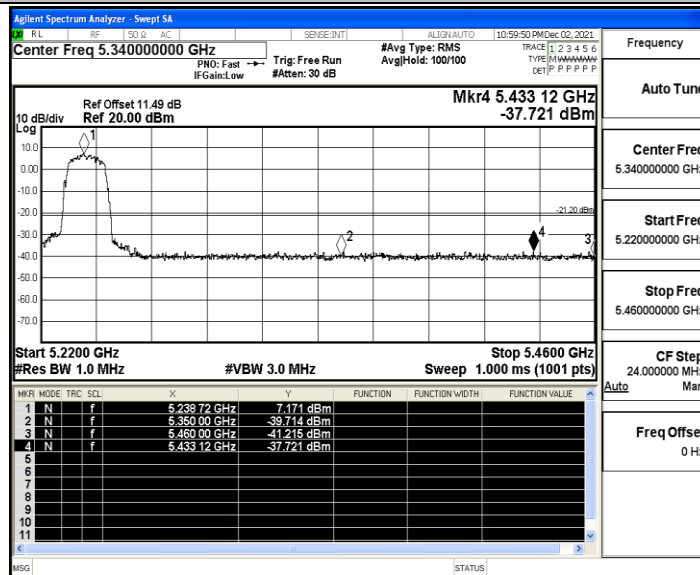
11A_Ant1_Low_5180_Peak



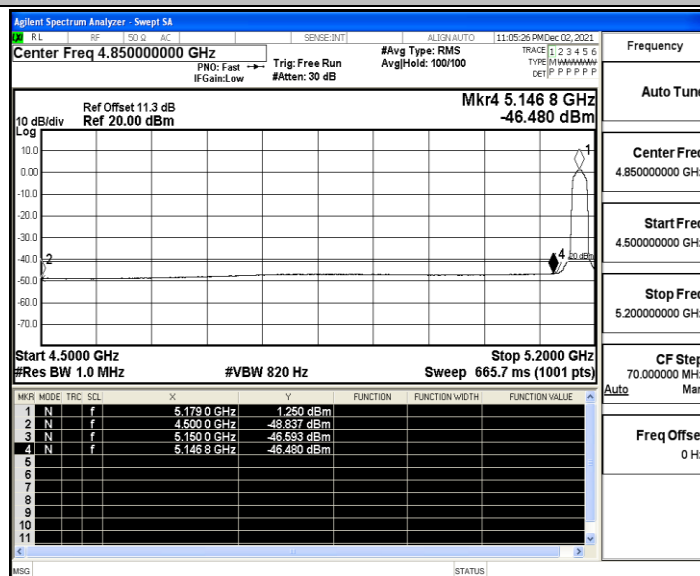
11A_Ant1_High_5240_AV



11A_Ant1_High_5240_Peak

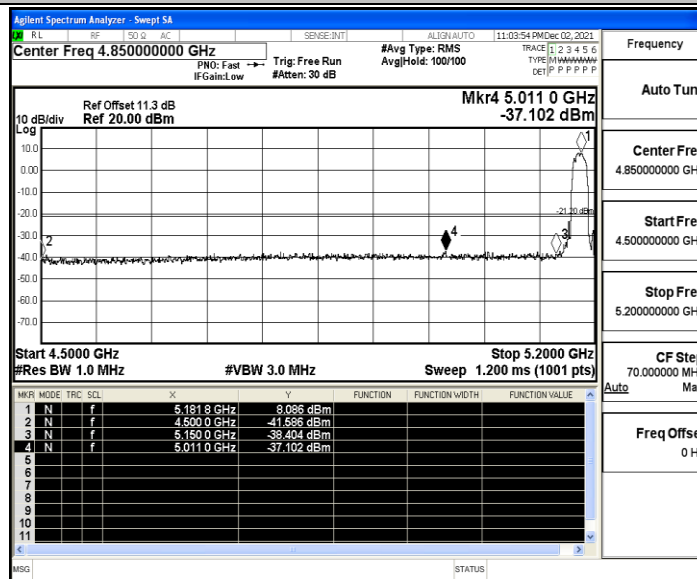


11N20SISO_Ant1_Low_5180_AV

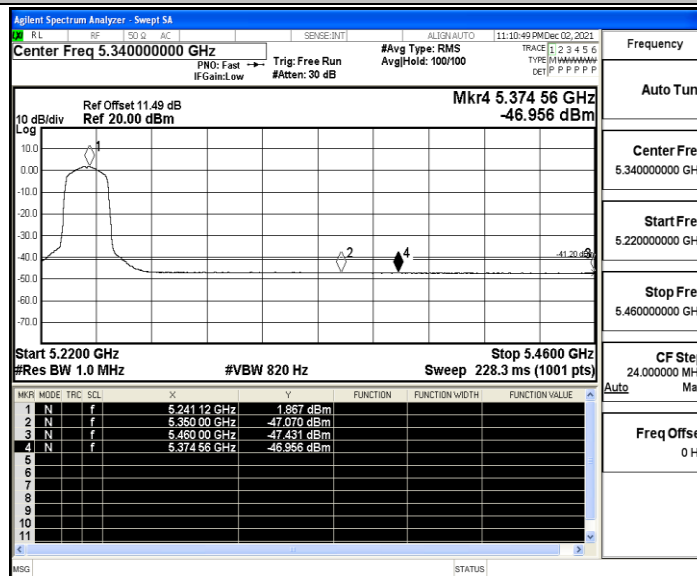




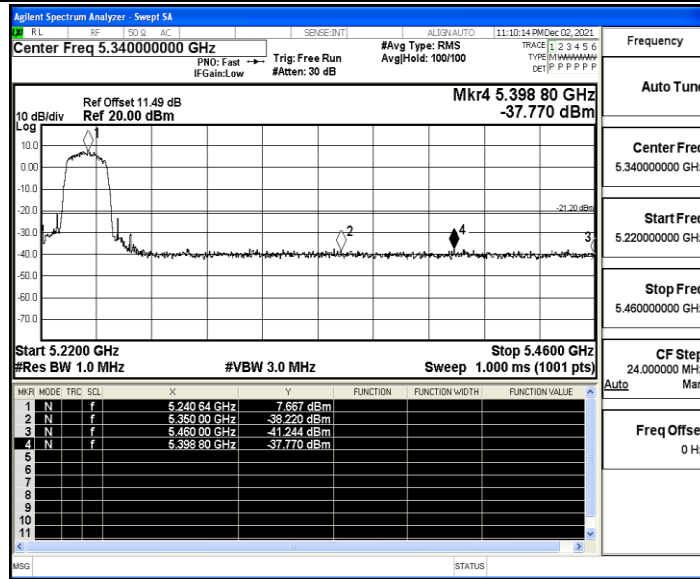
11N20SISO_Ant1_Low_5180_Peak



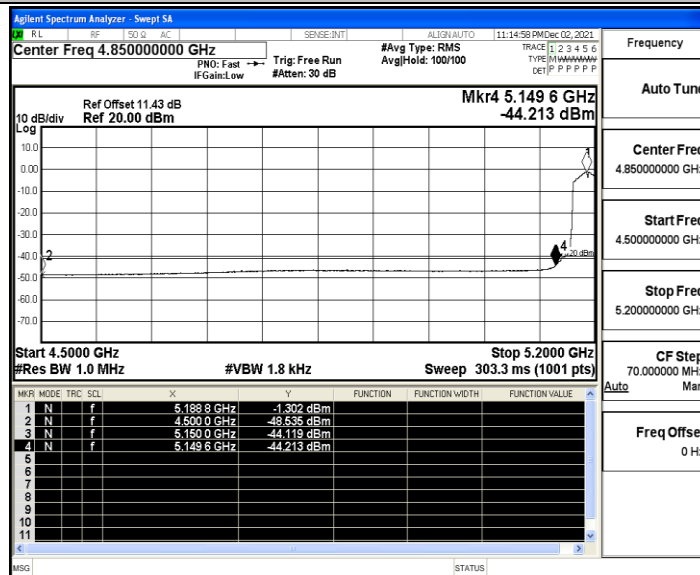
11N20SISO_Ant1_High_5240_AV



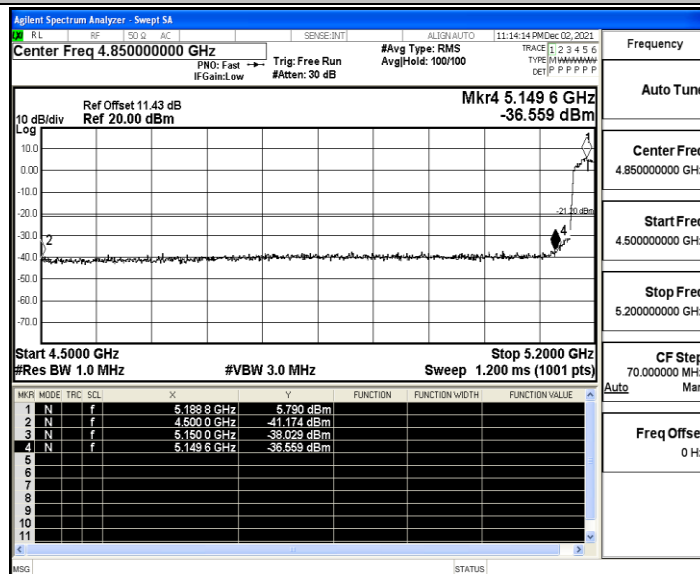
11N20SISO_Ant1_High_5240_Peak



11N40SISO_Ant1_Low_5190_AV

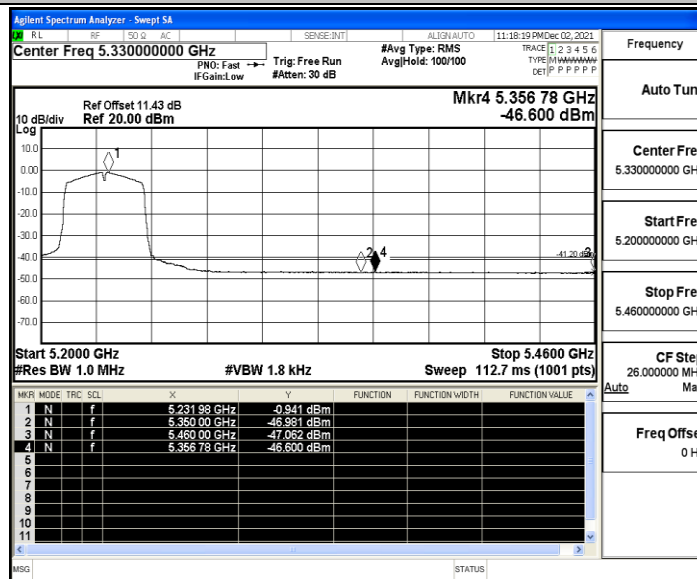


11N40SISO_Ant1_Low_5190_Peak

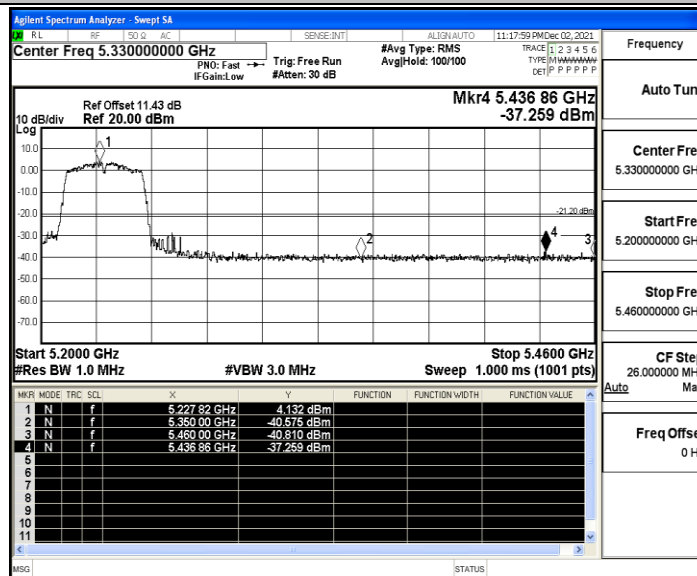




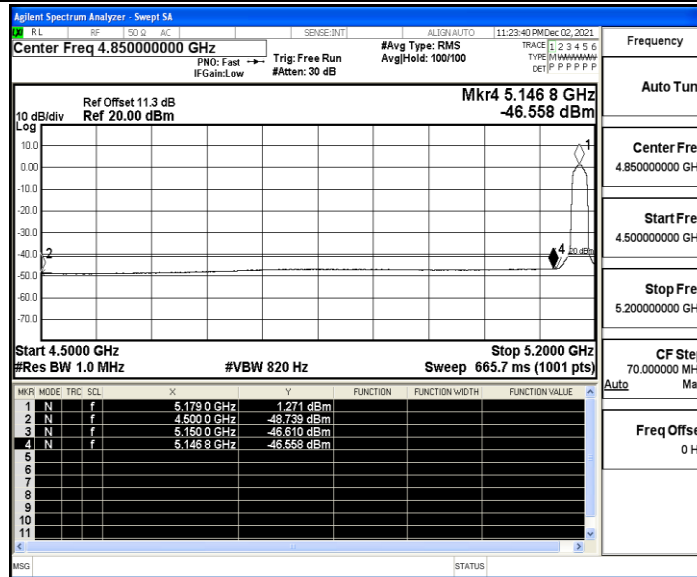
11N40SISO_Ant1_High_5230_AV



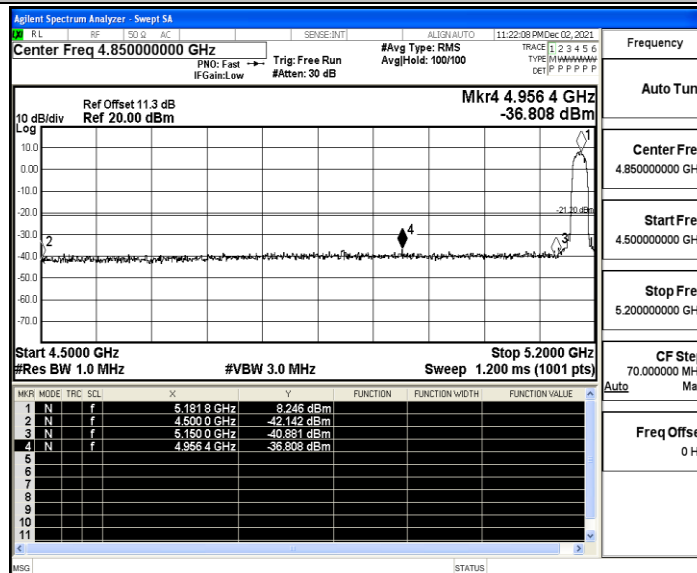
11N40SISO_Ant1_High_5230_Peak



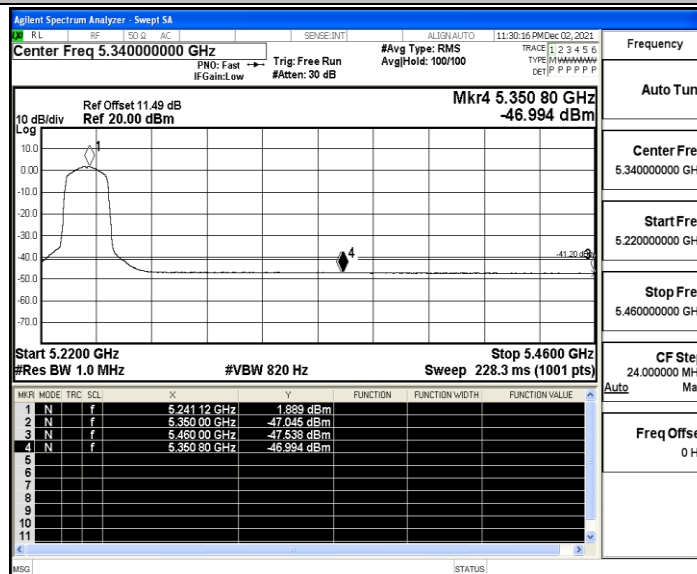
11AC20SISO_Ant1_Low_5180_AV



11AC20SISO_Ant1_Low_5180_Peak

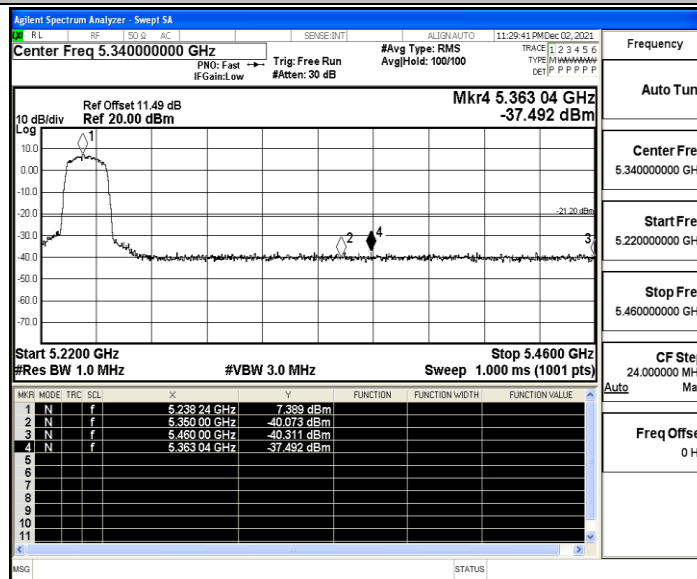


11AC20SISO_Ant1_High_5240_AV

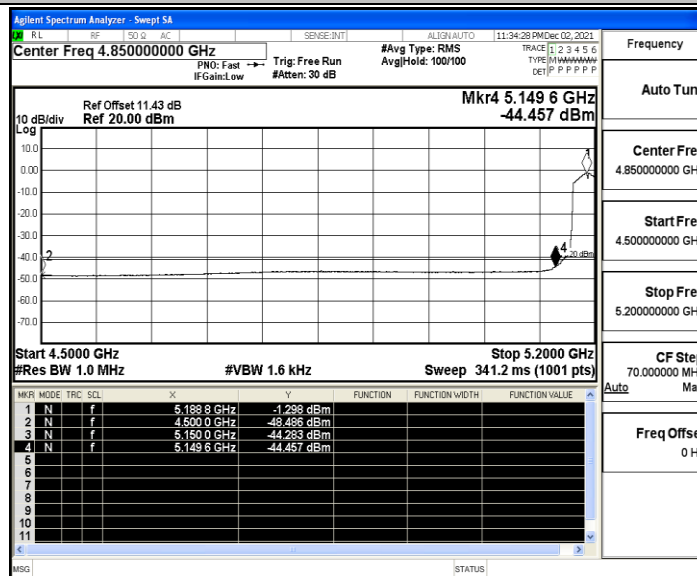




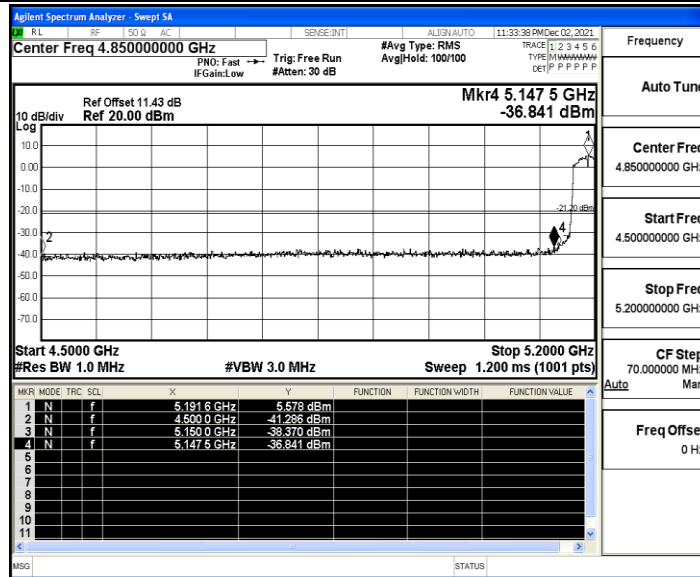
11AC20SISO_Ant1_High_5240_Peak



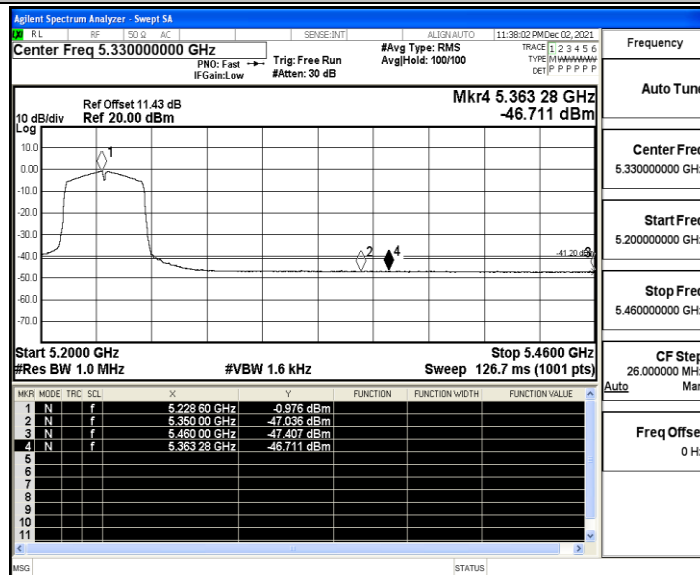
11AC40SISO_Ant1_Low_5190_AV



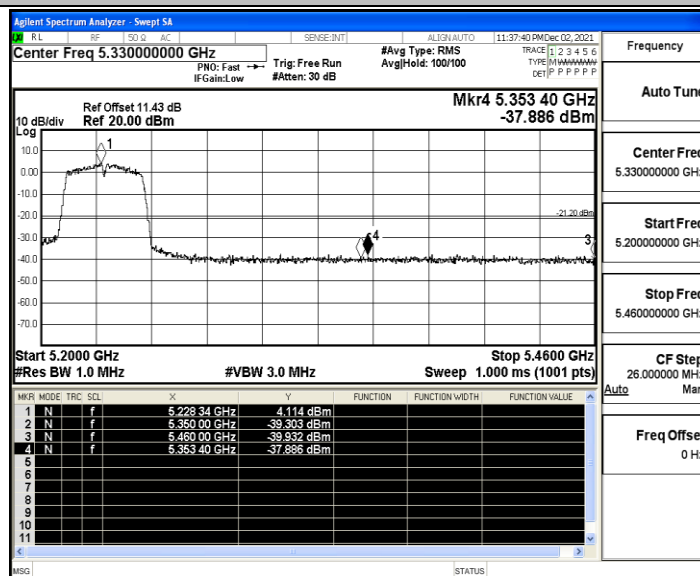
11AC40SISO_Ant1_Low_5190_Peak



11AC40SISO_Ant1_High_5230_AV

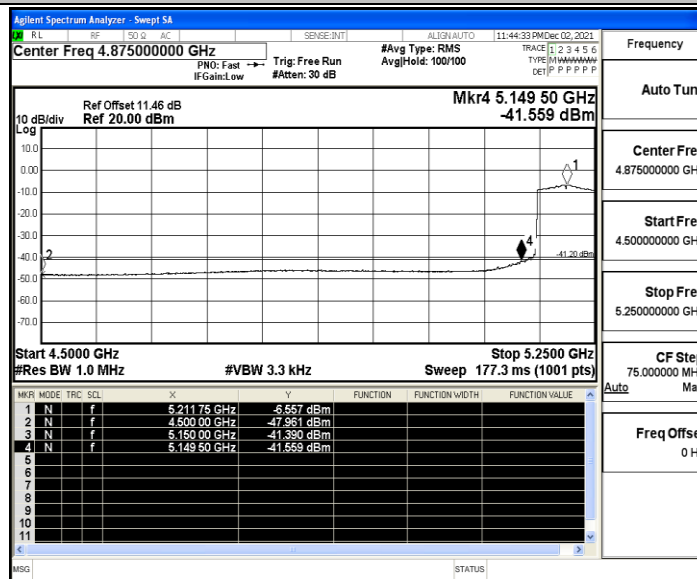


11AC40SISO_Ant1_High_5230_Peak

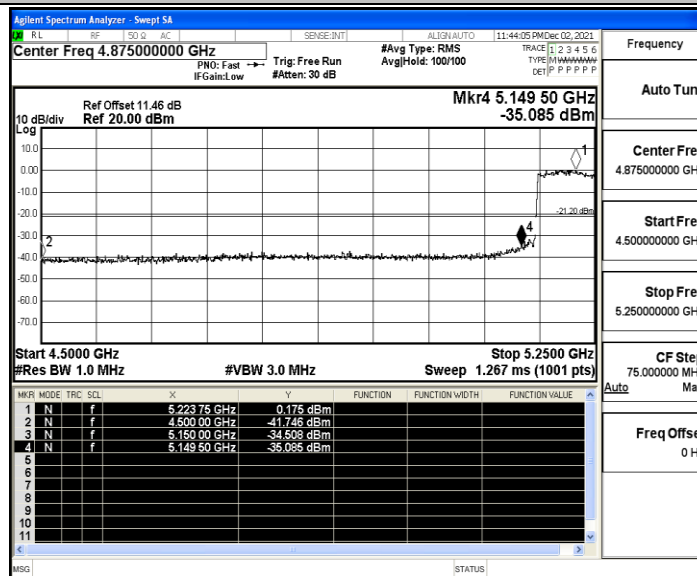




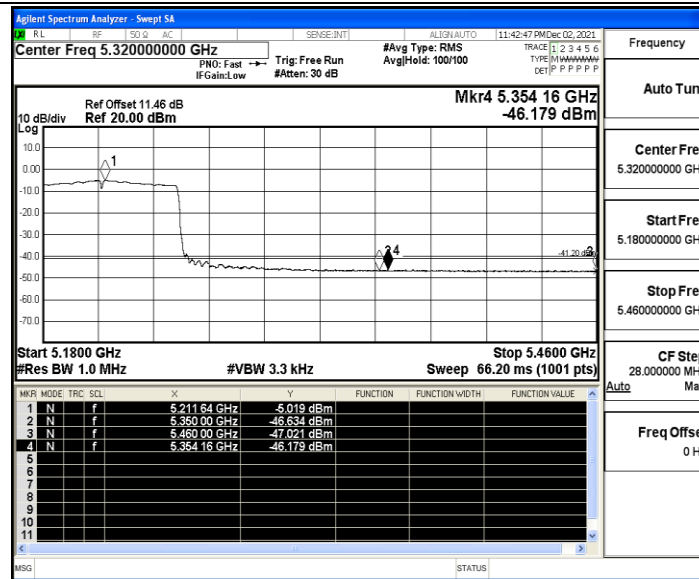
11AC80SISO_Ant1_Low_5210_AV



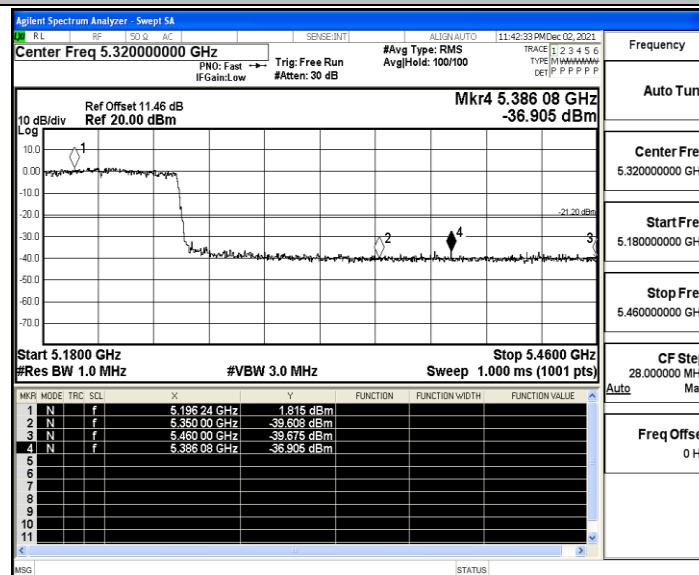
11AC80SISO_Ant1_Low_5210_Peak



11AC80SISO_Ant1_High_5210_AV



11AC80SISO_Ant1_High_5210_Peak





D.5 Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-14000	-2.702703	20	PASS
			LV	NT	-15000	-2.895753	20	PASS
			HV	NT	-15000	-2.895753	20	PASS
		5200	NV	NT	-17000	-3.269231	20	PASS
			LV	NT	-16000	-3.076923	20	PASS
			HV	NT	-16000	-3.076923	20	PASS
		5240	NV	NT	-15000	-2.862595	20	PASS
			LV	NT	-16000	-3.053435	20	PASS
			HV	NT	-15000	-2.862595	20	PASS
11N20SISO	Ant1	5180	NV	NT	-15000	-2.895753	20	PASS
			LV	NT	-15000	-2.895753	20	PASS
			HV	NT	-15000	-2.895753	20	PASS
		5200	NV	NT	-15000	-2.884615	20	PASS
			LV	NT	-15000	-2.884615	20	PASS
			HV	NT	-15000	-2.884615	20	PASS
11N40SISO	Ant1	5190	NV	NT	-15000	-2.890173	20	PASS
			LV	NT	-14000	-2.697495	20	PASS
			HV	NT	-14000	-2.697495	20	PASS
11AC20SISO	Ant1	5180	NV	NT	-14000	-2.702703	20	PASS
			LV	NT	-14000	-2.702703	20	PASS
			HV	NT	-14000	-2.702703	20	PASS
11AC40SISO	Ant1	5190	NV	NT	-14000	-2.697495	20	PASS
			LV	NT	-14000	-2.697495	20	PASS
			HV	NT	-14000	-2.697495	20	PASS
11AC80SISO	Ant1	5210	NV	NT	-14000	-2.68714	20	PASS
			LV	NT	-14000	-2.68714	20	PASS
			HV	NT	-14000	-2.68714	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-15000	-2.895753	20	PASS
			NV	-20	-16000	-3.088803	20	PASS
			NV	-10	-16000	-3.088803	20	PASS
			NV	0	-16000	-3.088803	20	PASS
			NV	10	-17000	-3.281853	20	PASS



			NV	20	-17000	-3.281853	20	PASS
			NV	30	-17000	-3.281853	20	PASS
			NV	40	-17000	-3.281853	20	PASS
			NV	50	-17000	-3.281853	20	PASS
		5200	NV	-30	-16000	-3.076923	20	PASS
			NV	-20	-16000	-3.076923	20	PASS
			NV	-10	-16000	-3.076923	20	PASS
			NV	0	-16000	-3.076923	20	PASS
			NV	10	-16000	-3.076923	20	PASS
			NV	20	-16000	-3.076923	20	PASS
			NV	30	-16000	-3.076923	20	PASS
			NV	40	-16000	-3.076923	20	PASS
			NV	50	-16000	-3.076923	20	PASS
		5240	NV	-30	-15000	-2.862595	20	PASS
			NV	-20	-15000	-2.862595	20	PASS
			NV	-10	-15000	-2.862595	20	PASS
			NV	0	-15000	-2.862595	20	PASS
			NV	10	-15000	-2.862595	20	PASS
			NV	20	-15000	-2.862595	20	PASS
			NV	30	-15000	-2.862595	20	PASS
			NV	40	-15000	-2.862595	20	PASS
			NV	50	-15000	-2.862595	20	PASS
11N20SISO	Ant1	5180	NV	-30	-15000	-2.895753	20	PASS
			NV	-20	-15000	-2.895753	20	PASS
			NV	-10	-15000	-2.895753	20	PASS
			NV	0	-15000	-2.895753	20	PASS
			NV	10	-15000	-2.895753	20	PASS
			NV	20	-15000	-2.895753	20	PASS
			NV	30	-15000	-2.895753	20	PASS
			NV	40	-15000	-2.895753	20	PASS
			NV	50	-15000	-2.895753	20	PASS
		5200	NV	-30	-15000	-2.884615	20	PASS
			NV	-20	-15000	-2.884615	20	PASS
			NV	-10	-15000	-2.884615	20	PASS
			NV	0	-15000	-2.884615	20	PASS
			NV	10	-15000	-2.884615	20	PASS
			NV	20	-15000	-2.884615	20	PASS
			NV	30	-15000	-2.884615	20	PASS
			NV	40	-15000	-2.884615	20	PASS
			NV	50	-15000	-2.884615	20	PASS
11N40SISO	Ant1	5190	NV	-30	-14000	-2.697495	20	PASS
			NV	-20	-14000	-2.697495	20	PASS
			NV	-10	-15000	-2.890173	20	PASS



			NV	0	-14000	-2.697495	20	PASS
			NV	10	-15000	-2.890173	20	PASS
			NV	20	-15000	-2.890173	20	PASS
			NV	30	-14000	-2.697495	20	PASS
			NV	40	-15000	-2.890173	20	PASS
			NV	50	-15000	-2.890173	20	PASS
11AC20SIS O	Ant1	5180	NV	-30	-14000	-2.702703	20	PASS
			NV	-20	-14000	-2.702703	20	PASS
			NV	-10	-14000	-2.702703	20	PASS
			NV	0	-14000	-2.702703	20	PASS
			NV	10	-14000	-2.702703	20	PASS
			NV	20	-14000	-2.702703	20	PASS
			NV	30	-14000	-2.702703	20	PASS
			NV	40	-14000	-2.702703	20	PASS
			NV	50	-14000	-2.702703	20	PASS
11AC40SIS O	Ant1	5190	NV	-30	-14000	-2.697495	20	PASS
			NV	-20	-14000	-2.697495	20	PASS
			NV	-10	-14000	-2.697495	20	PASS
			NV	0	-14000	-2.697495	20	PASS
			NV	10	-14000	-2.697495	20	PASS
			NV	20	-14000	-2.697495	20	PASS
			NV	30	-14000	-2.697495	20	PASS
			NV	40	-14000	-2.697495	20	PASS
			NV	50	-14000	-2.697495	20	PASS
11AC80SIS O	Ant1	5210	NV	-30	-14000	-2.68714	20	PASS
			NV	-20	-14000	-2.68714	20	PASS
			NV	-10	-14000	-2.68714	20	PASS
			NV	0	-14000	-2.68714	20	PASS
			NV	10	-14000	-2.68714	20	PASS
			NV	20	-14000	-2.68714	20	PASS
			NV	30	-14000	-2.68714	20	PASS
			NV	40	-14000	-2.68714	20	PASS
			NV	50	-14000	-2.68714	20	PASS



D.6 Duty Cycle

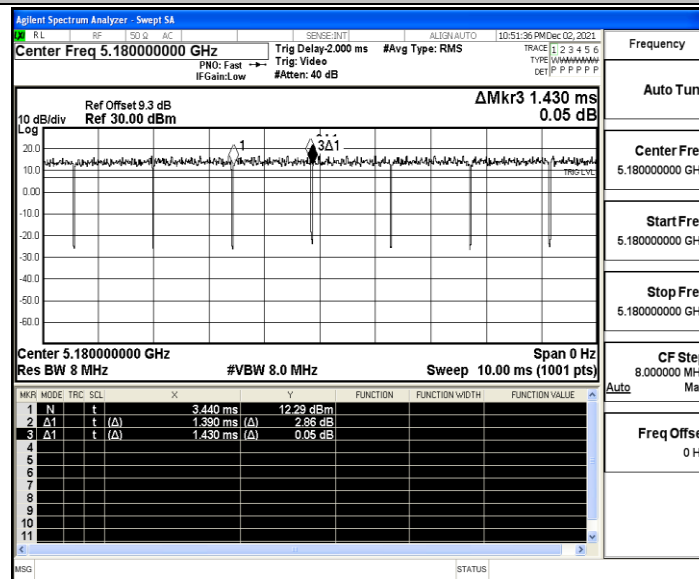
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	1.39	1.43	97.20	---	PASS
		5200	1.39	1.43	97.20	---	PASS
		5240	1.39	1.43	97.20	---	PASS
11N20SISO	Ant1	5180	1.30	1.34	97.01	---	PASS
		5200	1.30	1.34	97.01	---	PASS
		5240	1.30	1.34	97.01	---	PASS
11N40SISO	Ant1	5190	0.64	0.68	94.12	---	PASS
		5230	0.64	0.68	94.12	---	PASS
11AC20SISO	Ant1	5180	1.31	1.35	97.04	---	PASS
		5200	1.31	1.35	97.04	---	PASS
		5240	1.31	1.35	97.04	---	PASS
11AC40SISO	Ant1	5190	0.65	0.69	94.20	---	PASS
		5230	0.65	0.69	94.20	---	PASS
11AC80SISO	Ant1	5210	0.32	0.36	88.89	---	PASS

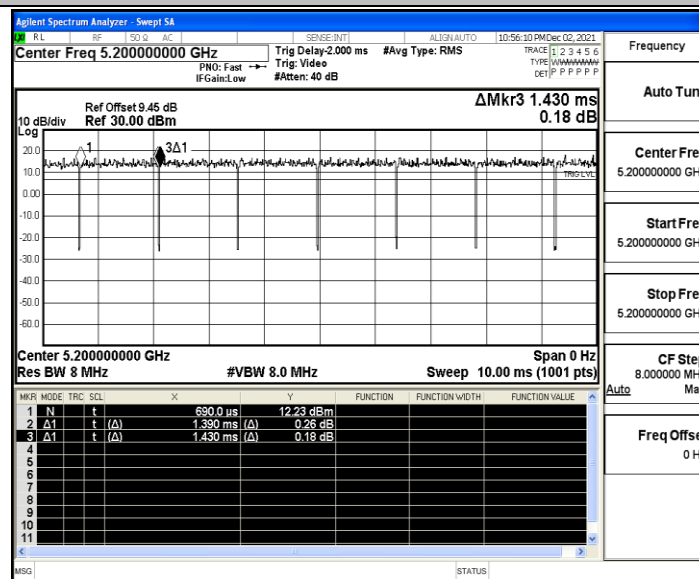


Test Graphs

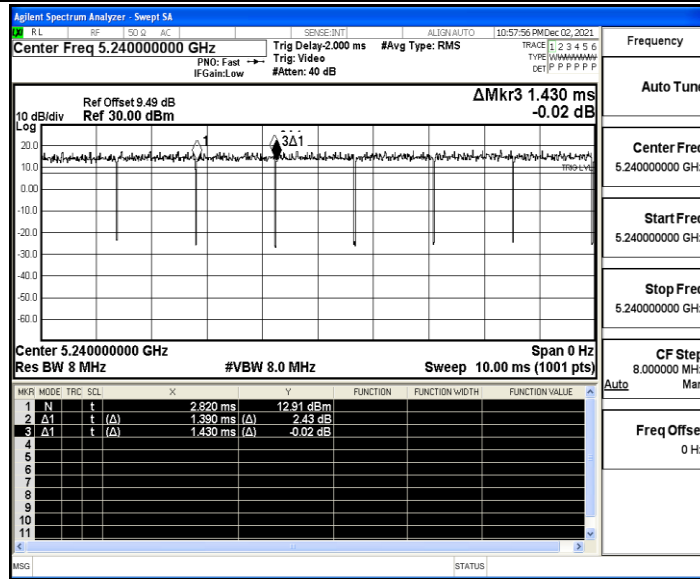
11A_Ant1_5180



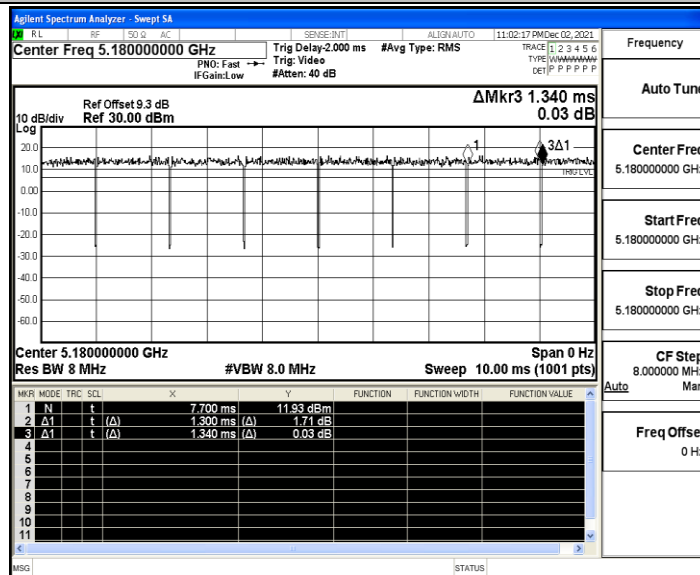
11A_Ant1_5200



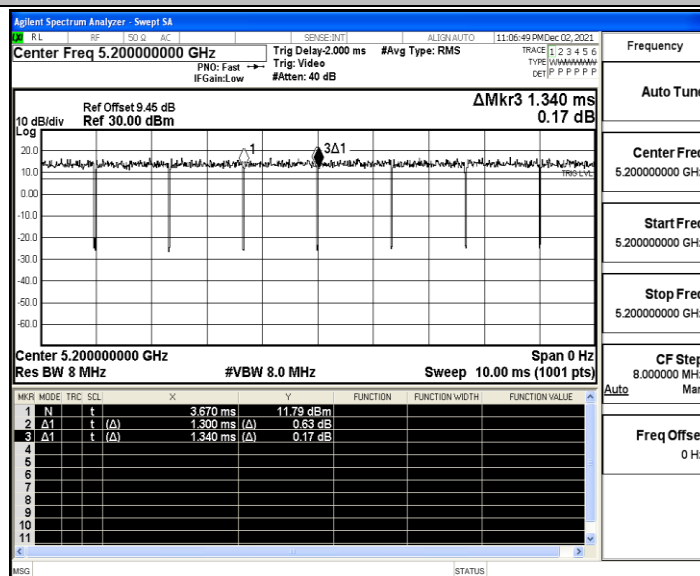
11A_Ant1_5240



11N20SISO_Ant1_5180

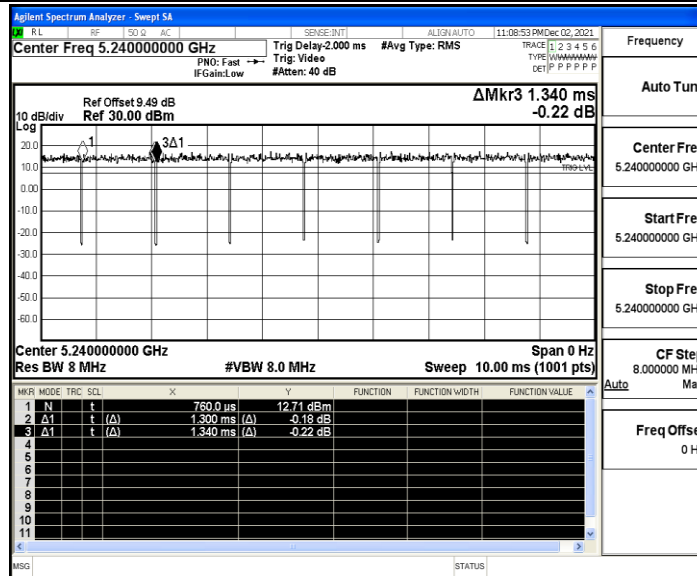


11N20SISO_Ant1_5200

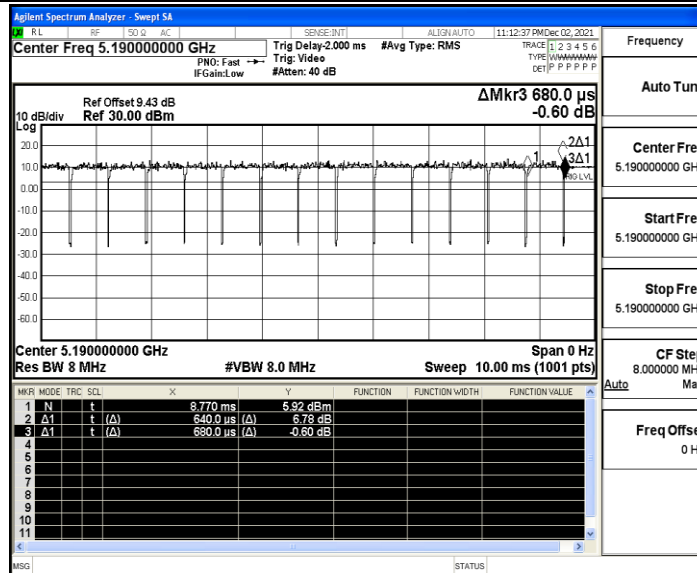




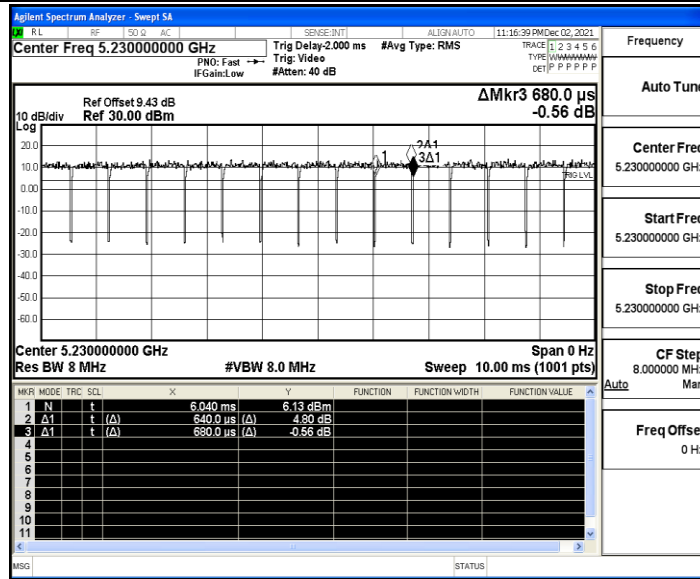
11N20SISO_Ant1_5240



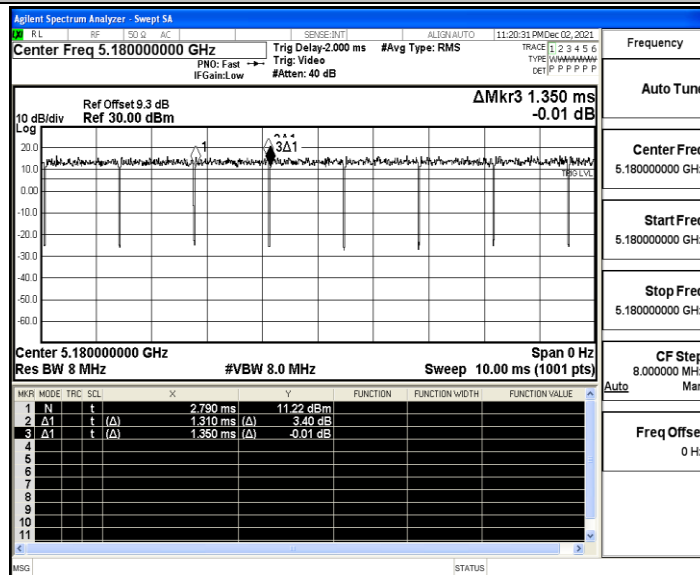
11N40SISO_Ant1_5190



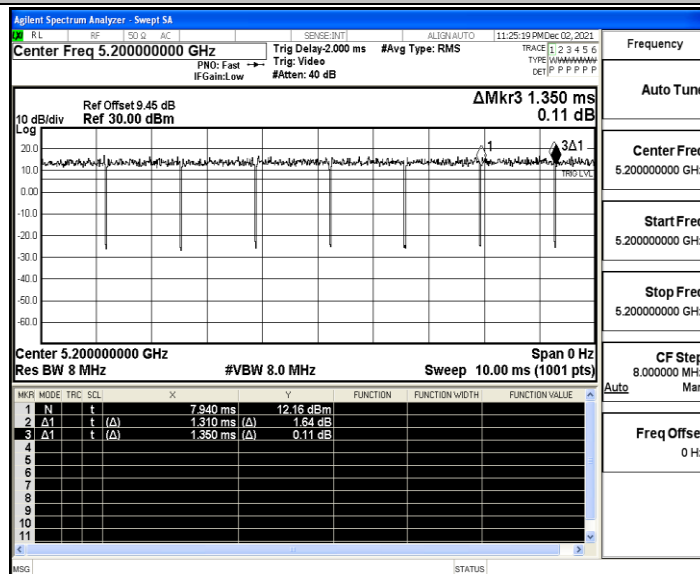
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180

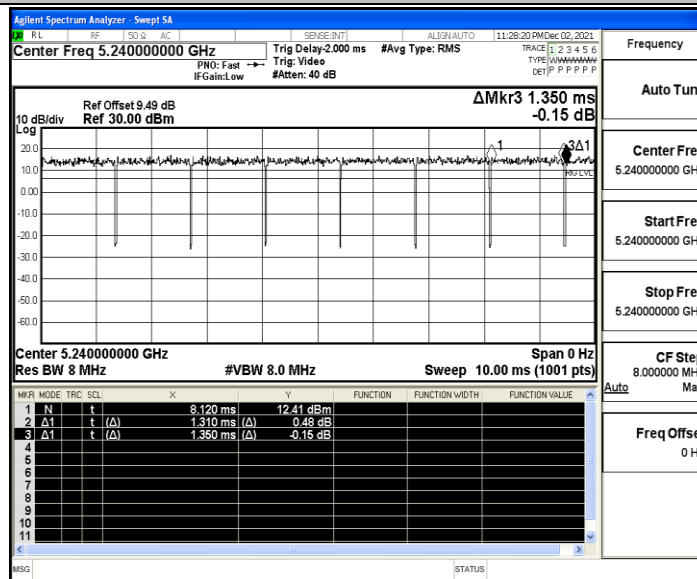


11AC20SISO_Ant1_5200

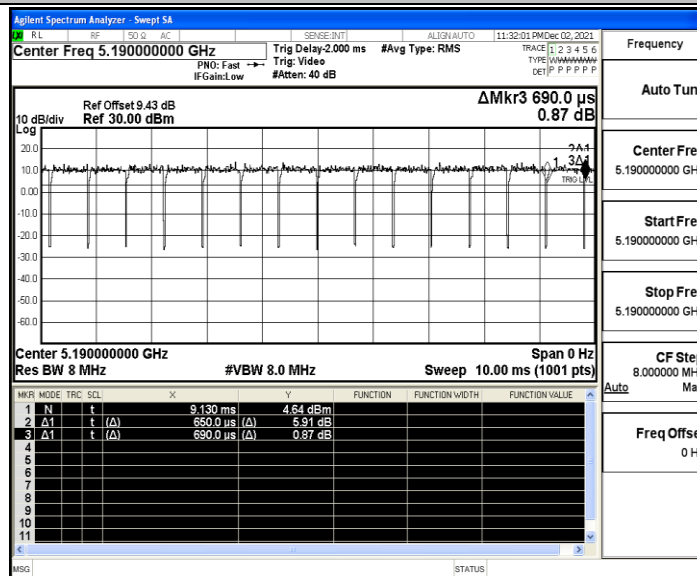




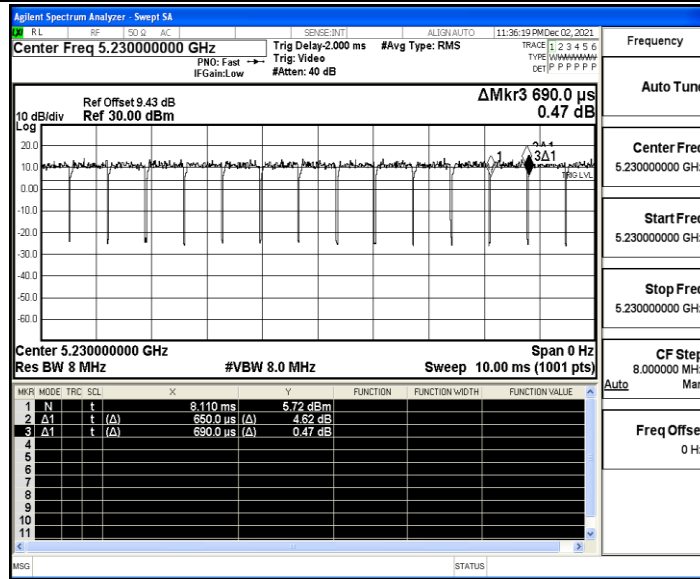
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

