



Appendix D

RF Test Data for 5.2G WIFI (Conducted Measurement)

Product Name: RK3399 R Pro Player

Trade Mark: SCALA

Test Model: SMPRP

Environmental Conditions

Temperature:	21.5℃
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan



Appendix D.1: Emission Bandwidth

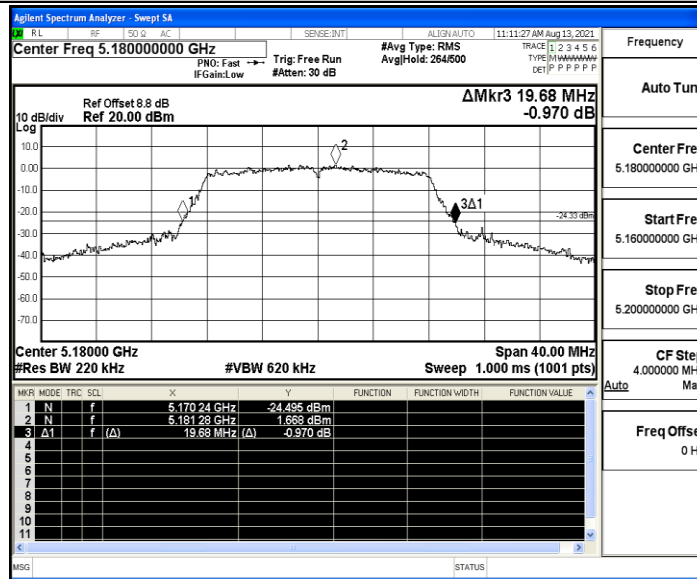
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.680	5170.240	5189.920	---	PASS
		5200	19.360	5190.280	5209.640	---	PASS
		5240	19.400	5230.280	5249.680	---	PASS
11N20SISO	Ant1	5180	19.720	5170.120	5189.840	---	PASS
		5200	19.640	5190.240	5209.880	---	PASS
		5240	19.960	5230.080	5250.040	---	PASS
11N40SISO	Ant1	5190	39.680	5170.160	5209.840	---	PASS
		5230	39.760	5210.160	5249.920	---	PASS
11AC20SISO	Ant1	5180	19.960	5170.000	5189.960	---	PASS
		5200	19.840	5190.080	5209.920	---	PASS
		5240	19.960	5230.040	5250.000	---	PASS
11AC40SISO	Ant1	5190	39.920	5170.160	5210.080	---	PASS
		5230	39.920	5210.080	5250.000	---	PASS
11AC80SISO	Ant1	5210	80.960	5169.520	5250.480	---	PASS

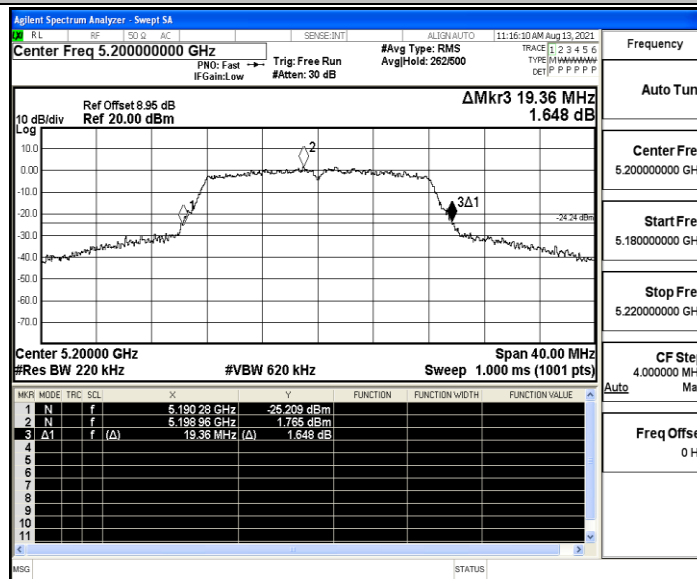


Test Graphs

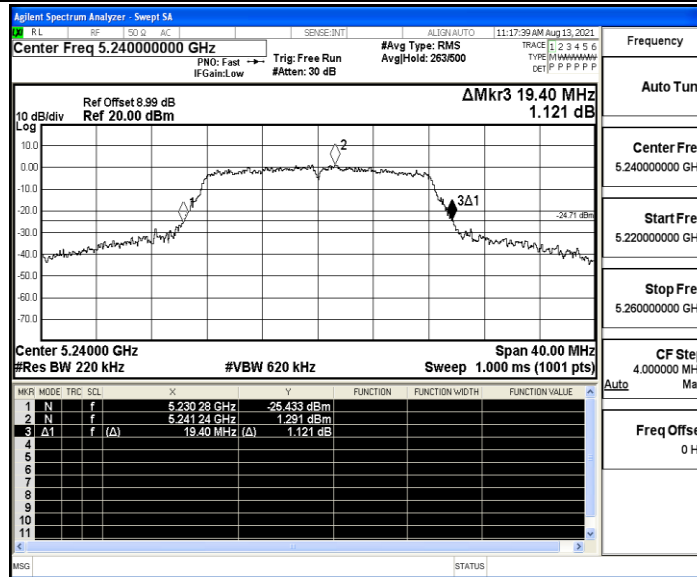
11A_Ant1_5180



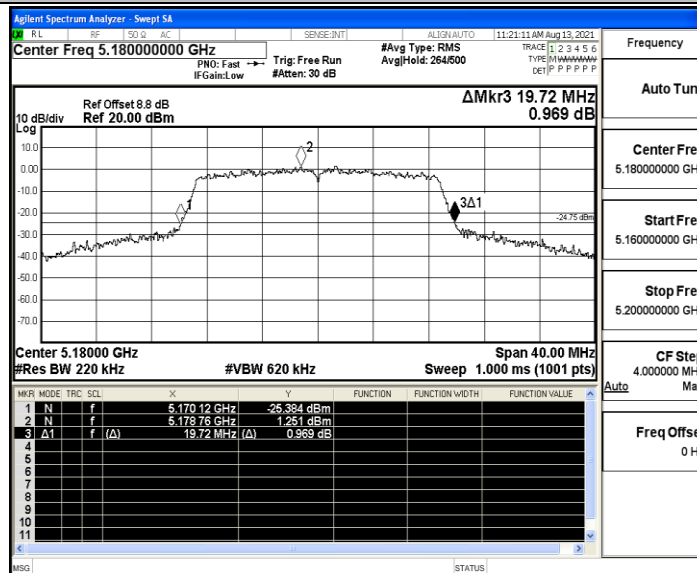
11A_Ant1_5200



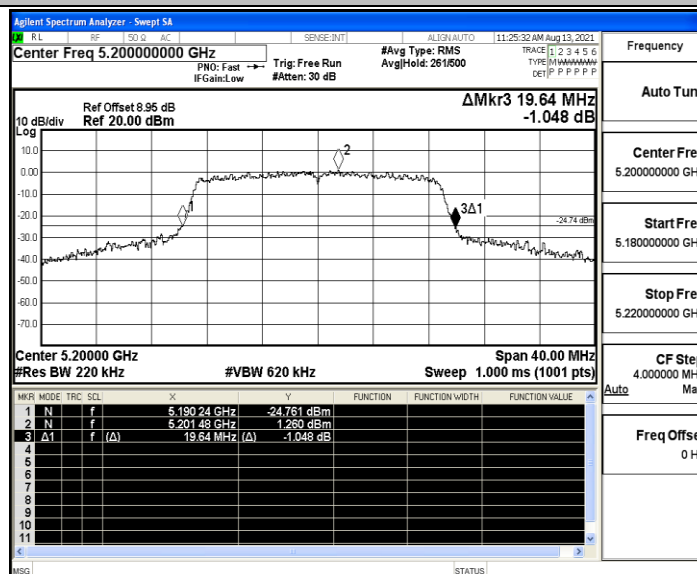
11A_Ant1_5240



11N20SISO_Ant1_5180

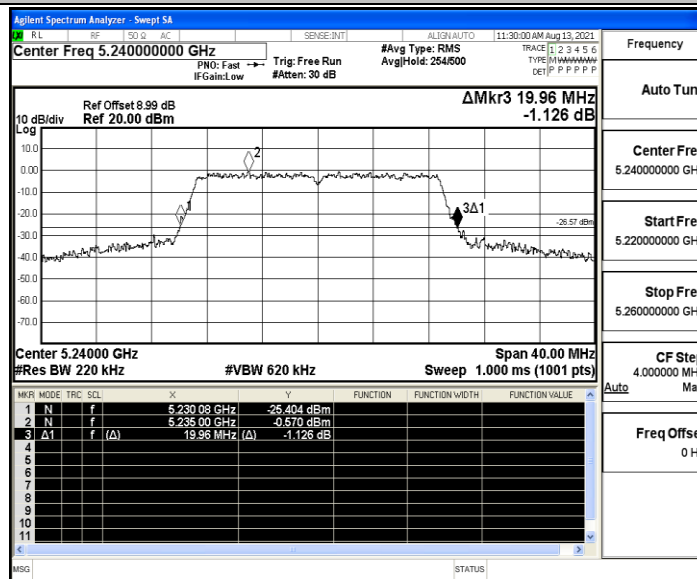


11N20SISO_Ant1_5200

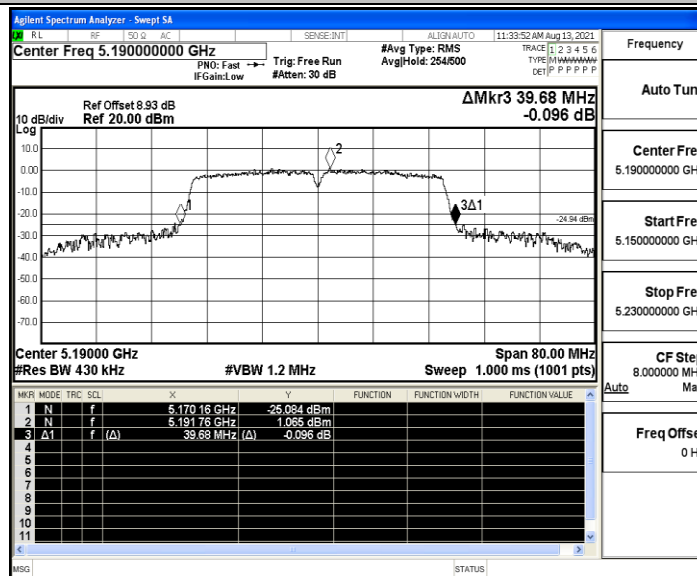




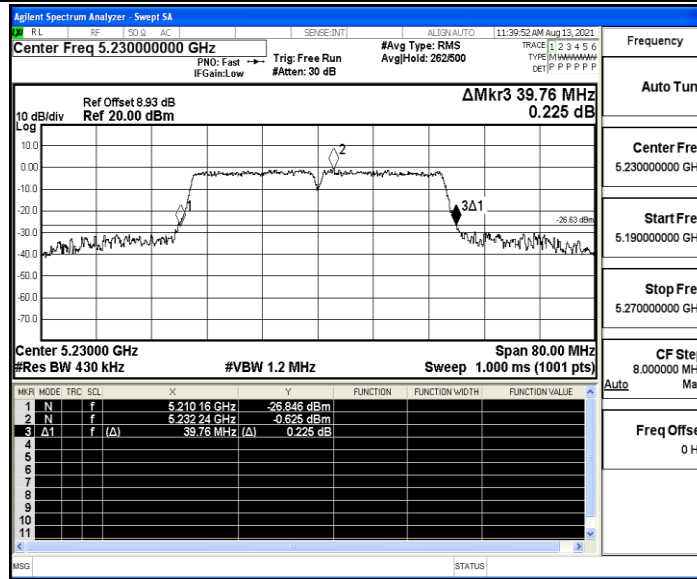
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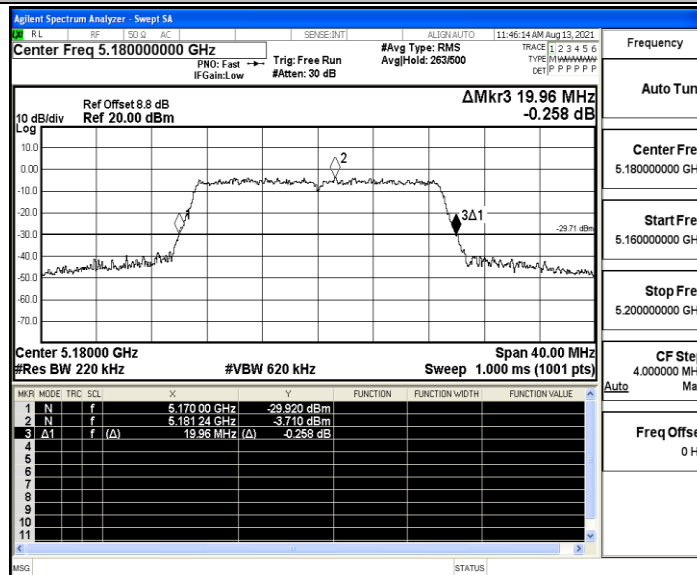
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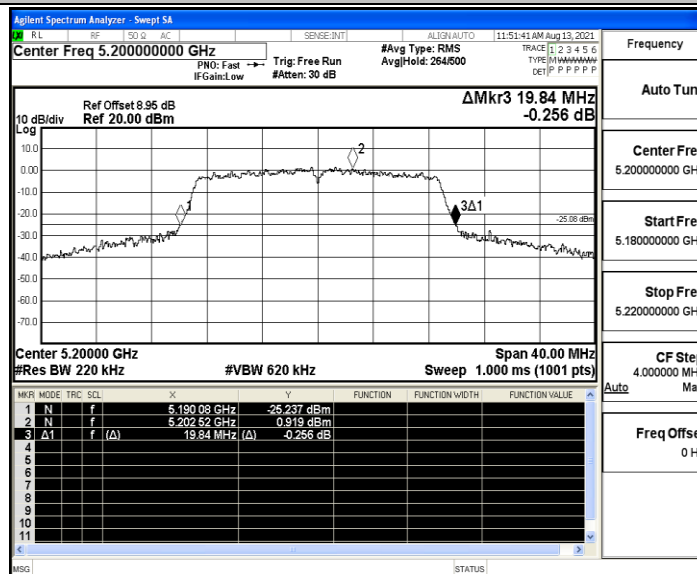
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180

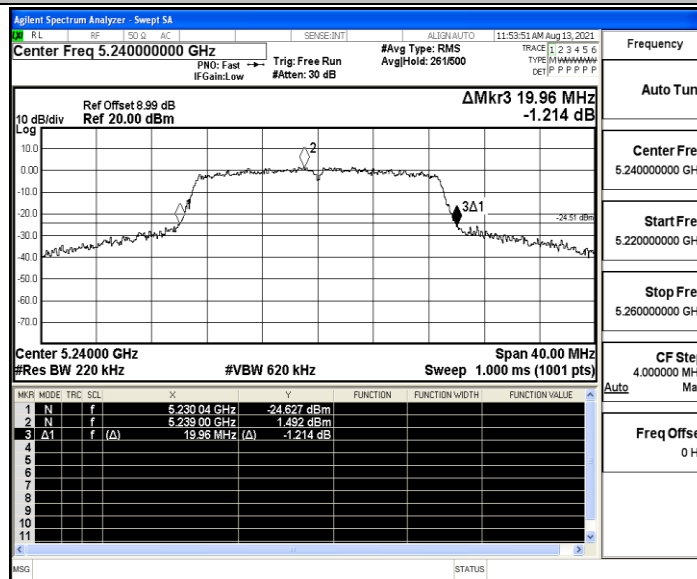


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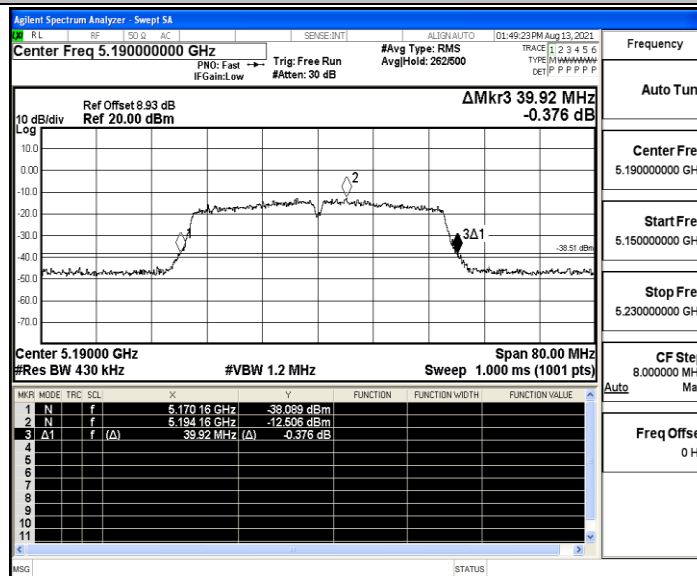




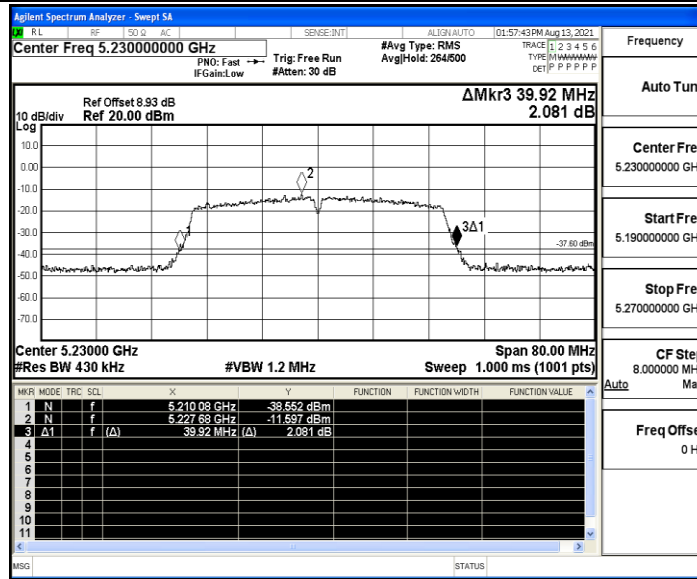
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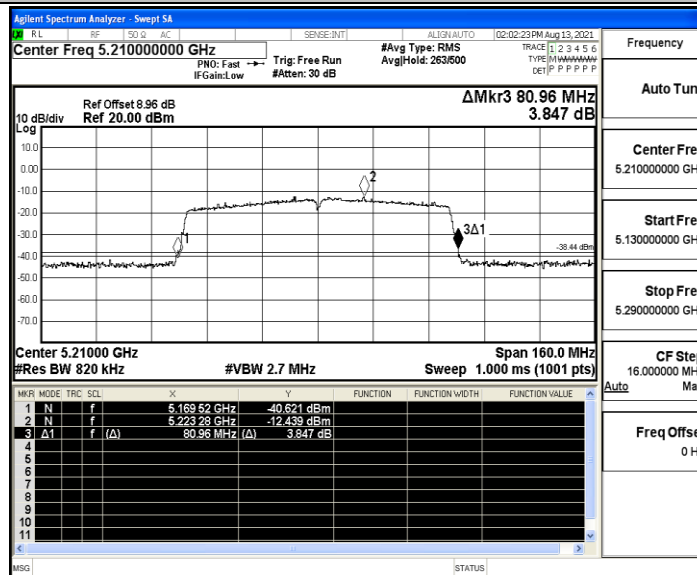
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210





Appendix D.2: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	10.12	≤23.98	PASS
		5200	10.94	≤23.98	PASS
		5240	11.15	≤23.98	PASS
11N20SISO	Ant1	5180	10.71	≤23.98	PASS
		5200	10.62	≤23.98	PASS
		5240	10.43	≤23.98	PASS
11N40SISO	Ant1	5190	11.39	≤23.98	PASS
		5230	10.01	≤23.98	PASS
11AC20SISO	Ant1	5180	10.86	≤23.98	PASS
		5200	11.04	≤23.98	PASS
		5240	10.84	≤23.98	PASS
11AC40SISO	Ant1	5190	11.64	≤23.98	PASS
		5230	11.50	≤23.98	PASS
11AC80SISO	Ant1	5210	10.82	≤23.98	PASS

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



Appendix D.3: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.17	≤11	PASS
		5200	1.08	≤11	PASS
		5240	1.26	≤11	PASS
11N20SISO	Ant1	5180	0.44	≤11	PASS
		5200	0.37	≤11	PASS
		5240	0.11	≤11	PASS
11N40SISO	Ant1	5190	-2.47	≤11	PASS
		5230	-4.44	≤11	PASS
11AC20SISO	Ant1	5180	0.54	≤11	PASS
		5200	0.66	≤11	PASS
		5240	0.61	≤11	PASS
11AC40SISO	Ant1	5190	-1.5	≤11	PASS
		5230	-1.92	≤11	PASS
11AC80SISO	Ant1	5210	-5.31	≤11	PASS

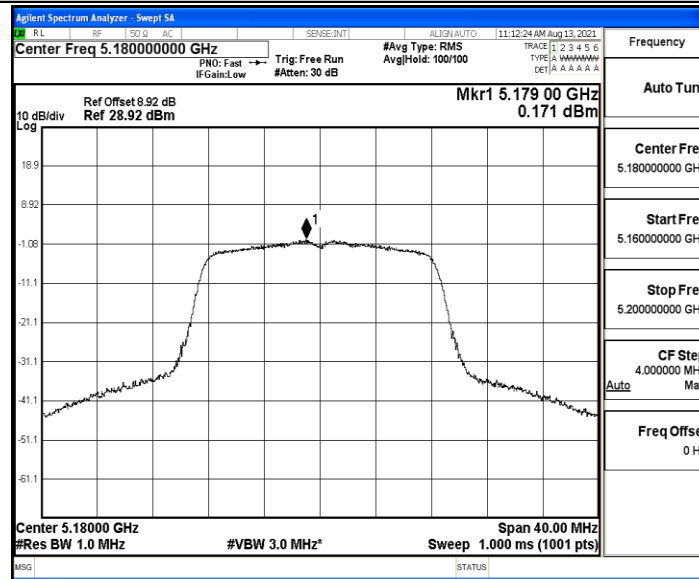
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

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

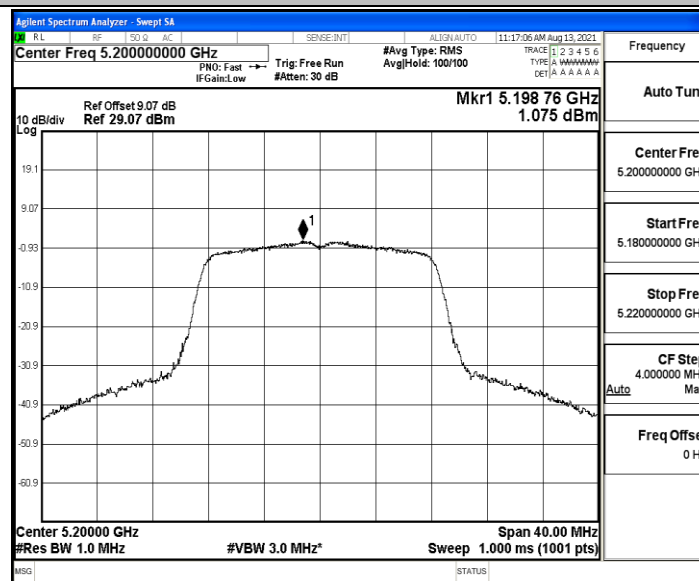


Test Graphs

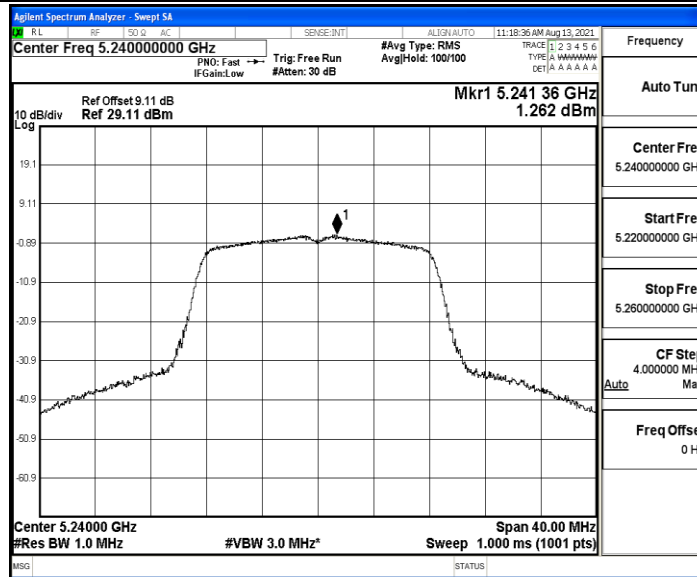
11A_Ant1_5180



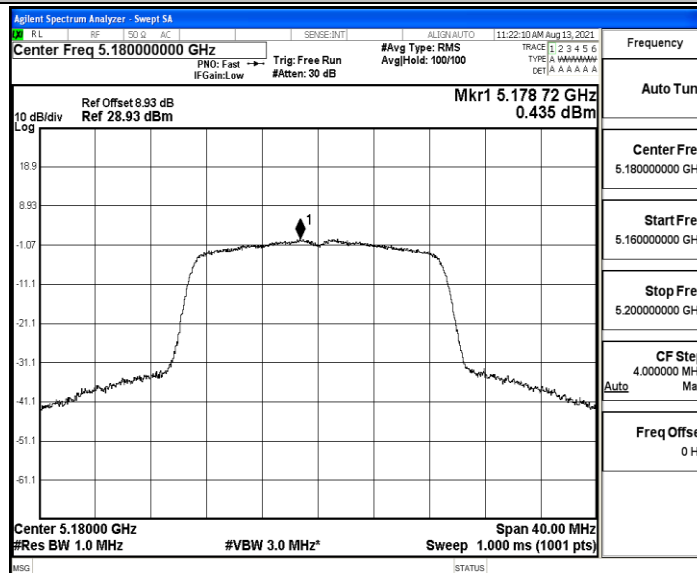
11A_Ant1_5200



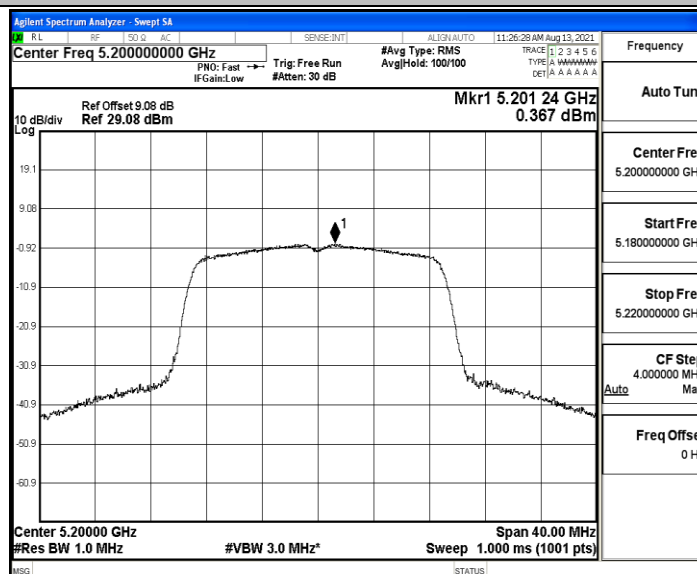
11A_Ant1_5240



11N20SISO_Ant1_5180

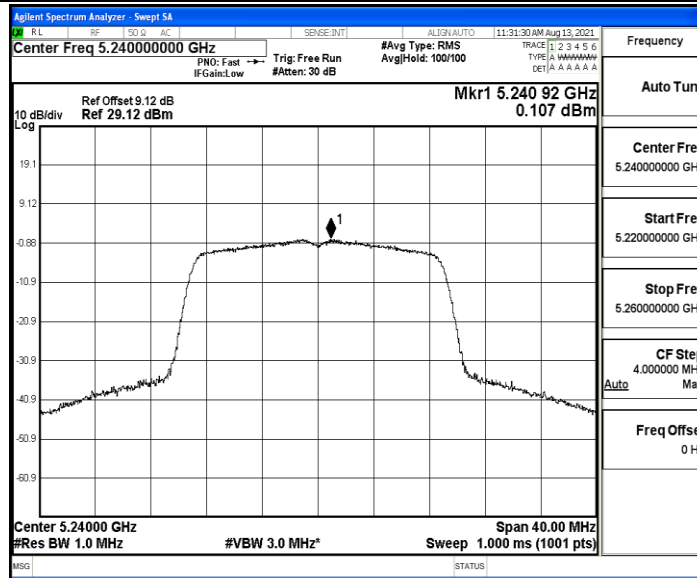


11N20SISO_Ant1_5200

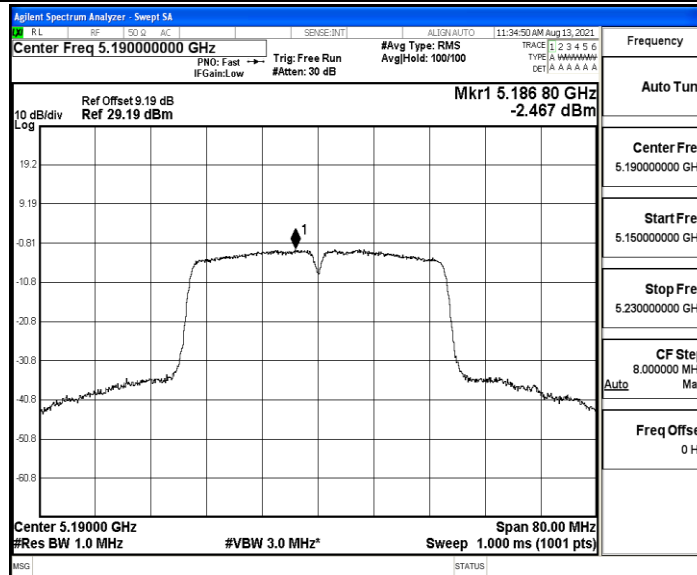




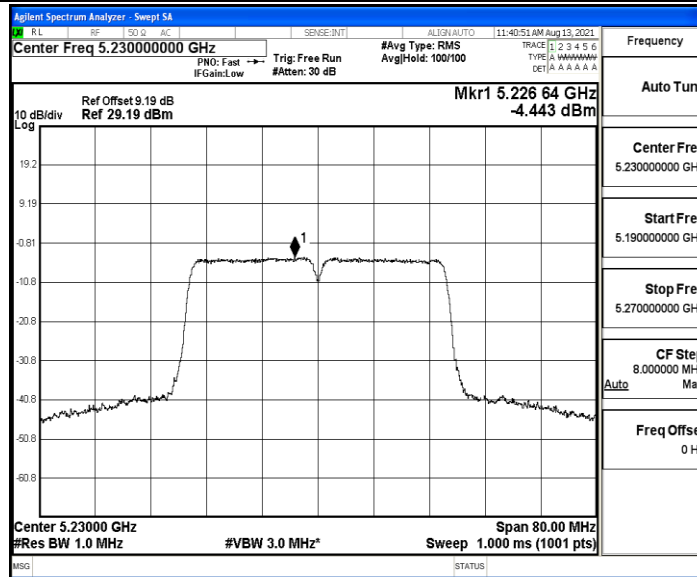
11N20SISO_Ant1_5240



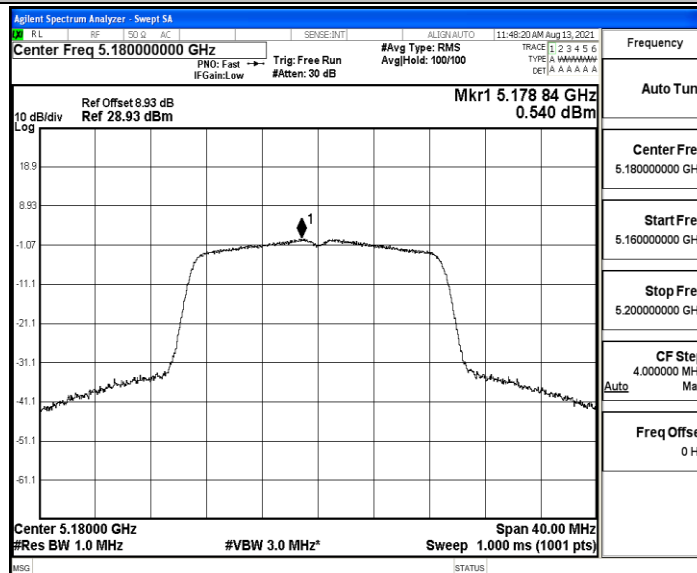
11N40SISO_Ant1_5190



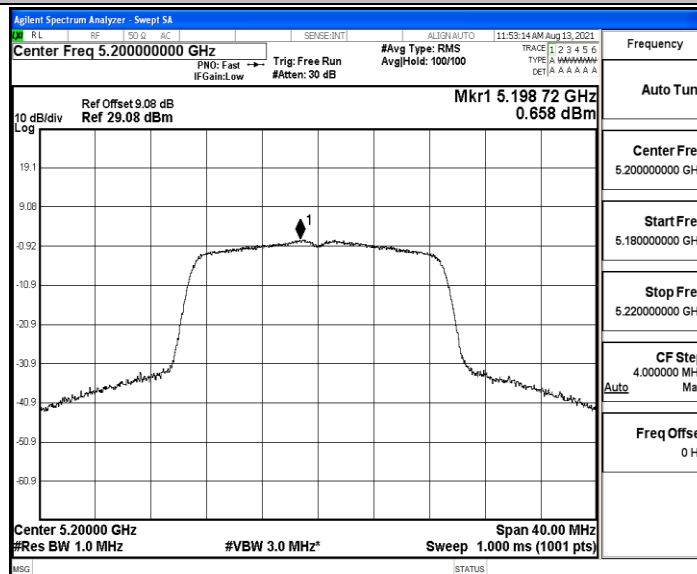
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180

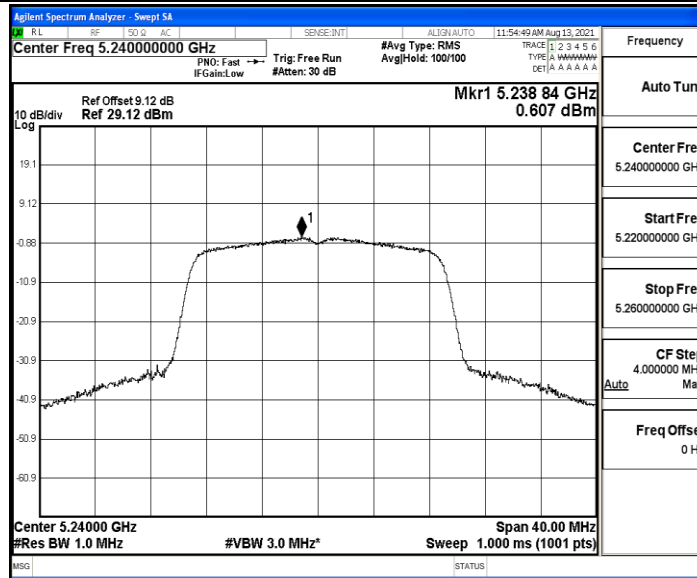


11AC20SISO_Ant1_5200

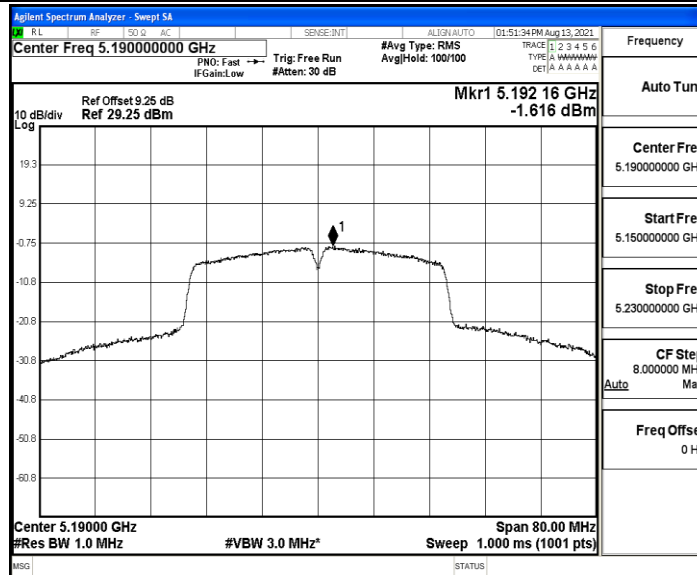




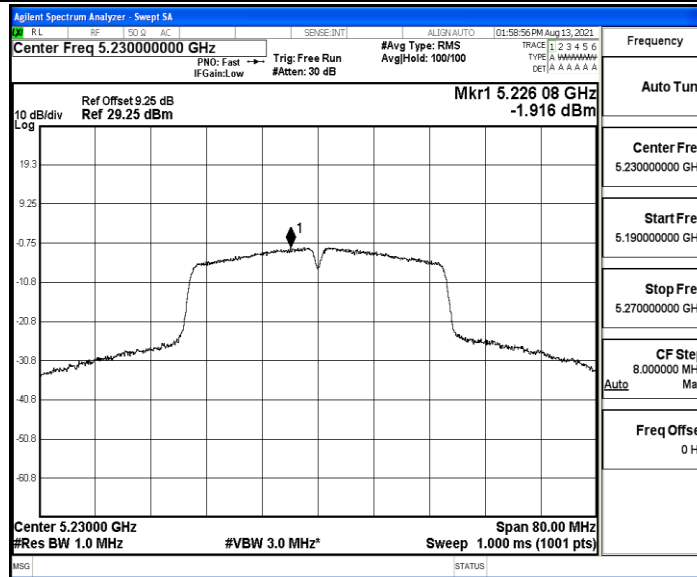
11AC20SISO_Ant1_5240



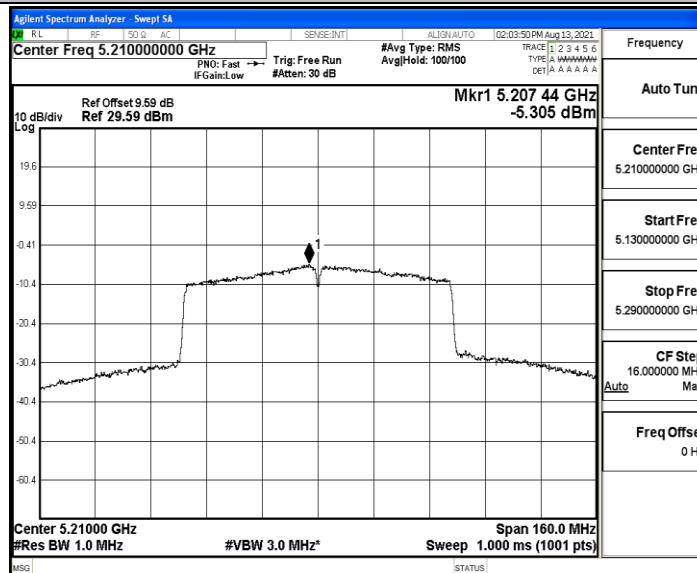
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210





Appendix D.4: Emissions in Restricted Bands

Test Result

TestMod e	Antenn a	ChNam e	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/ m]	Limit [dBuV/ m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-49.66	≤-41.20	45.54	≤54	PASS
				AV	5102.000	-45.5	≤-41.20	49.70	≤54	PASS
				AV	5150.000	-46.17	≤-41.20	49.03	≤54	PASS
				Peak	4500.000	-42.68	≤-21.20	52.52	≤74	PASS
				Peak	5139.100	-37.49	≤-21.20	57.71	≤74	PASS
				Peak	5150.000	-39.71	≤-21.20	55.49	≤74	PASS
		High	5240	AV	5350.000	-47.7	≤-41.20	47.50	≤54	PASS
				AV	5370.000	-47.21	≤-41.20	47.99	≤54	PASS
				AV	5460.000	-48.22	≤-41.20	46.98	≤54	PASS
				Peak	5350.000	-39.23	≤-21.20	55.97	≤74	PASS
				Peak	5352.480	-37.9	≤-21.20	57.30	≤74	PASS
				Peak	5460.000	-41.39	≤-21.20	53.81	≤74	PASS
11N20SI SO	Ant1	Low	5180	AV	4500.000	-49.58	≤-41.20	45.62	≤54	PASS
				AV	5102.000	-45.23	≤-41.20	49.97	≤54	PASS
				AV	5150.000	-45.83	≤-41.20	49.37	≤54	PASS
				Peak	4500.000	-42.4	≤-21.20	52.80	≤74	PASS
				Peak	5137.700	-37.13	≤-21.20	58.07	≤74	PASS
				Peak	5150.000	-39.68	≤-21.20	55.52	≤74	PASS
		High	5240	AV	5350.000	-48.02	≤-41.20	47.18	≤54	PASS
				AV	5370.240	-47.63	≤-41.20	47.57	≤54	PASS
				AV	5460.000	-48.2	≤-41.20	47.00	≤54	PASS
				Peak	5350.000	-42.41	≤-21.20	52.79	≤74	PASS
				Peak	5370.000	-38.21	≤-21.20	56.99	≤74	PASS
				Peak	5460.000	-40.34	≤-21.20	54.86	≤74	PASS
11N40SI SO	Ant1	Low	5190	AV	4500.000	-49.13	≤-41.20	46.07	≤54	PASS
				AV	5149.600	-42.22	≤-41.20	52.98	≤54	PASS
				AV	5150.000	-41.76	≤-41.20	53.44	≤54	PASS
				Peak	4500.000	-41.91	≤-21.20	53.29	≤74	PASS
				Peak	5149.600	-31.53	≤-21.20	63.67	≤74	PASS
				Peak	5150.000	-32.52	≤-21.20	62.68	≤74	PASS
		High	5230	AV	5350.000	-47.83	≤-41.20	47.37	≤54	PASS
				AV	5359.900	-47.29	≤-41.20	47.91	≤54	PASS
				AV	5460.000	-47.87	≤-41.20	47.33	≤54	PASS
				Peak	5350.000	-40.45	≤-21.20	54.75	≤74	PASS
				Peak	5418.920	-38.31	≤-21.20	56.89	≤74	PASS
				Peak	5460.000	-40.93	≤-21.20	54.27	≤74	PASS



11AC20 SISO	Ant1	Low	5180	AV	4500.000	-49.47	≤ -41.20	45.73	≤ 54	PASS
				AV	5102.000	-45.78	≤ -41.20	49.42	≤ 54	PASS
				AV	5150.000	-46.24	≤ -41.20	48.96	≤ 54	PASS
				Peak	4500.000	-41.83	≤ -21.20	53.37	≤ 74	PASS
				Peak	5086.600	-37.28	≤ -21.20	57.92	≤ 74	PASS
				Peak	5150.000	-39.15	≤ -21.20	56.05	≤ 74	PASS
		High	5240	AV	5350.000	-47.53	≤ -41.20	47.67	≤ 54	PASS
				AV	5370.000	-46.95	≤ -41.20	48.25	≤ 54	PASS
				AV	5460.000	-47.95	≤ -41.20	47.25	≤ 54	PASS
				Peak	5350.000	-41.1	≤ -21.20	54.10	≤ 74	PASS
				Peak	5418.480	-37.83	≤ -21.20	57.37	≤ 74	PASS
				Peak	5460.000	-40.56	≤ -21.20	54.64	≤ 74	PASS
11AC40 SISO	Ant1	Low	5190	AV	4500.000	-49.08	≤ -41.20	46.12	≤ 54	PASS
				AV	4824.800	-46.93	≤ -41.20	48.27	≤ 54	PASS
				AV	5150.000	-47.34	≤ -41.20	47.86	≤ 54	PASS
				Peak	4500.000	-42.73	≤ -21.20	52.47	≤ 74	PASS
				Peak	4929.100	-37.99	≤ -21.20	57.21	≤ 74	PASS
				Peak	5150.000	-41.34	≤ -21.20	53.86	≤ 74	PASS
		High	5230	AV	5350.000	-47.41	≤ -41.20	47.79	≤ 54	PASS
				AV	5351.840	-47.18	≤ -41.20	48.02	≤ 54	PASS
				AV	5460.000	-47.92	≤ -41.20	47.28	≤ 54	PASS
				Peak	5350.000	-39.44	≤ -21.20	55.76	≤ 74	PASS
				Peak	5402.800	-38.18	≤ -21.20	57.02	≤ 74	PASS
				Peak	5460.000	-41.38	≤ -21.20	53.82	≤ 74	PASS
11AC80 SISO	Ant1	Low	5210	AV	4500.000	-48.48	≤ -41.20	46.72	≤ 54	PASS
				AV	4830.750	-46.13	≤ -41.20	49.07	≤ 54	PASS
				AV	5150.000	-46.49	≤ -41.20	48.71	≤ 54	PASS
				Peak	4500.000	-43.31	≤ -21.20	51.89	≤ 74	PASS
				Peak	4848.750	-37.72	≤ -21.20	57.48	≤ 74	PASS
				Peak	5150.000	-40.52	≤ -21.20	54.68	≤ 74	PASS
		High	5210	AV	5350.000	-47.39	≤ -41.20	47.81	≤ 54	PASS
				AV	5367.600	-47.1	≤ -41.20	48.10	≤ 54	PASS
				AV	5460.000	-47.61	≤ -41.20	47.59	≤ 54	PASS
				Peak	5350.000	-41.81	≤ -21.20	53.39	≤ 74	PASS
				Peak	5457.200	-38.46	≤ -21.20	56.74	≤ 74	PASS
				Peak	5460.000	-41.11	≤ -21.20	54.09	≤ 74	PASS

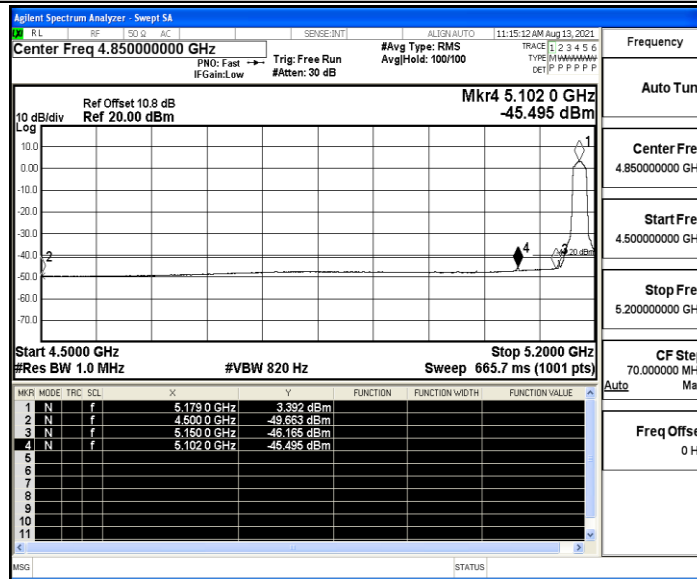
Note:

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.

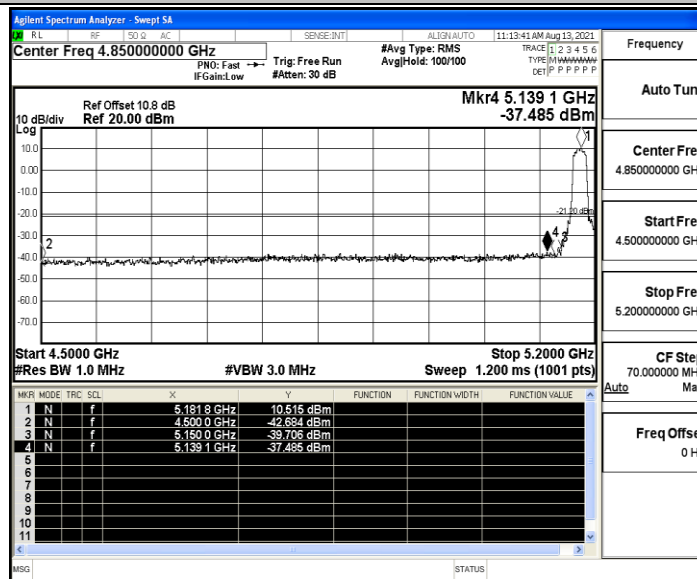


Test Graphs

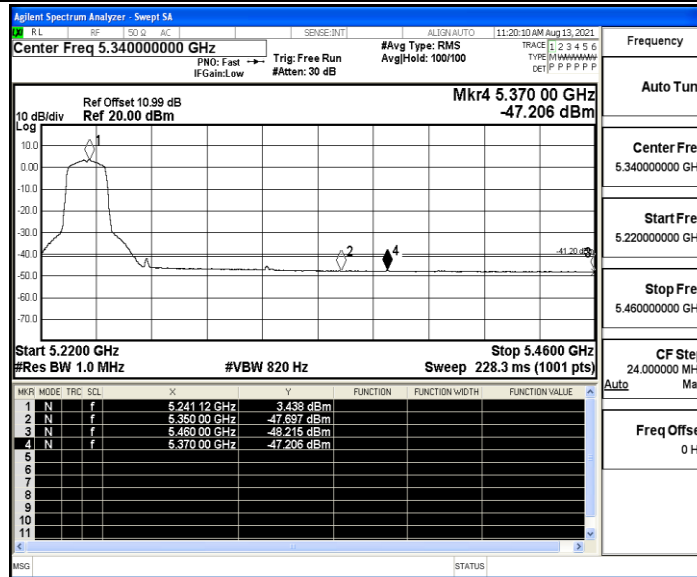
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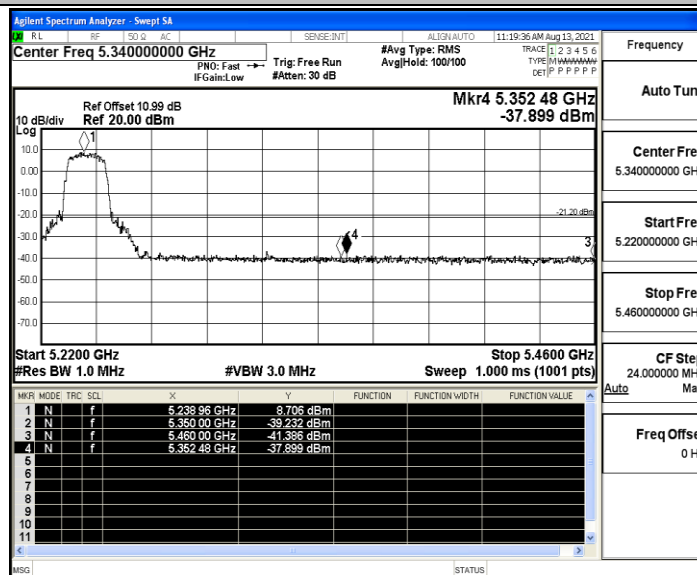
11A_Ant1_Low_5180_Peak



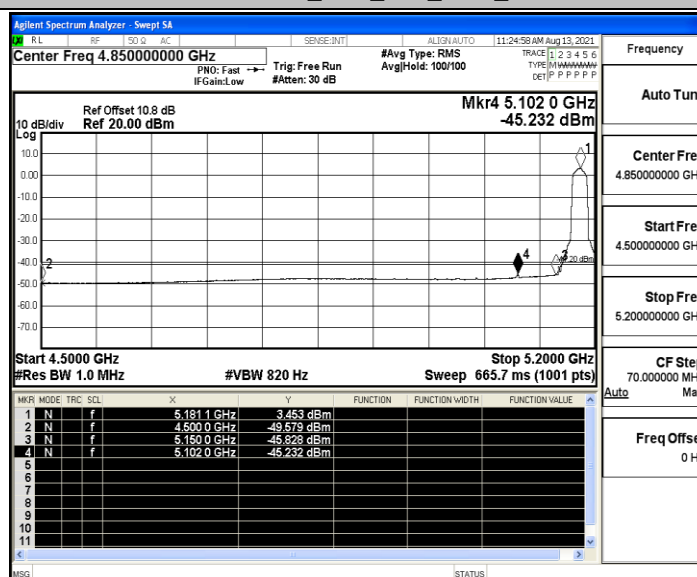
11A_Ant1_High_5240_AV



11A_Ant1_High_5240_Peak

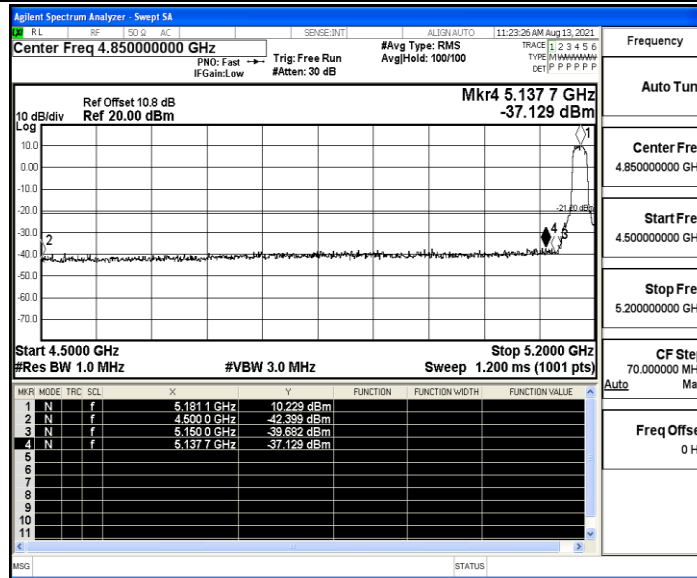


11N20SISO_Ant1_Low_5180_AV

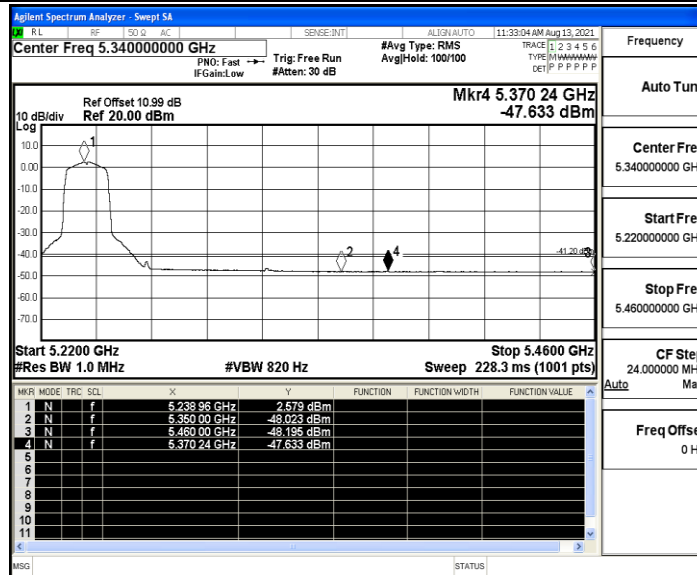




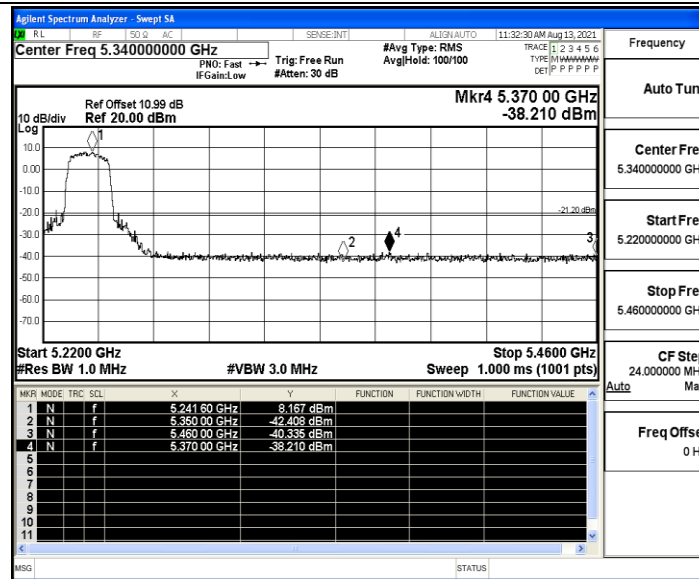
11N20SISO_Ant1_Low_5180_Peak



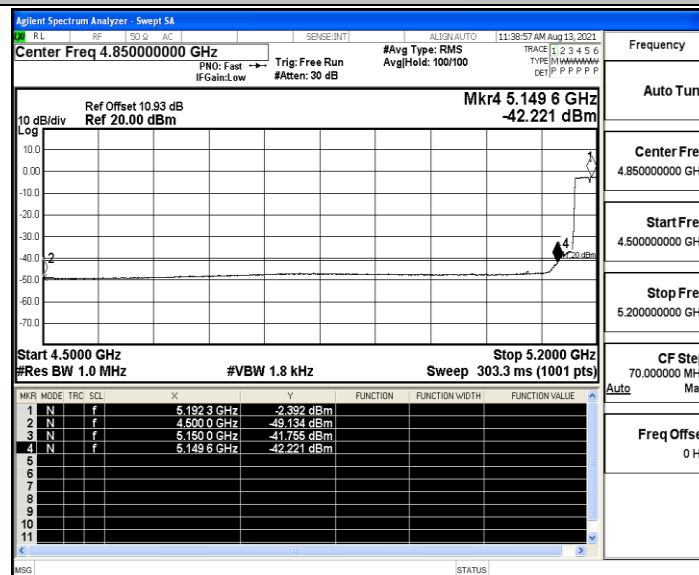
11N20SISO_Ant1_High_5240_AV



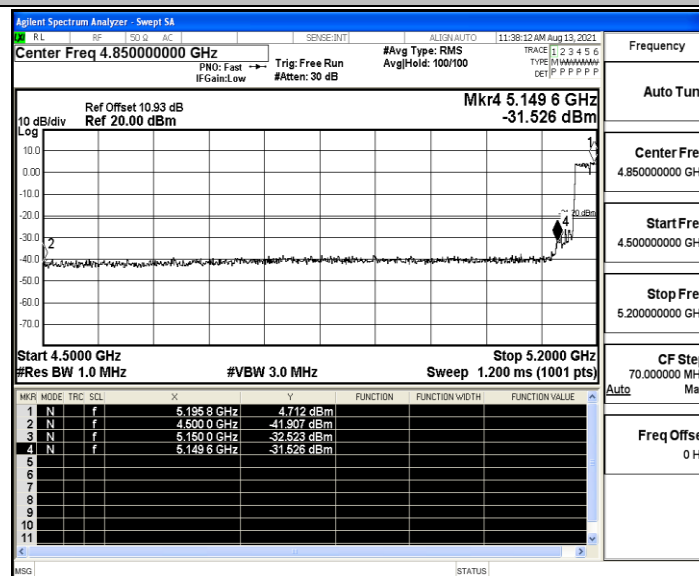
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11N40SISO_Ant1_Low_5190_AV

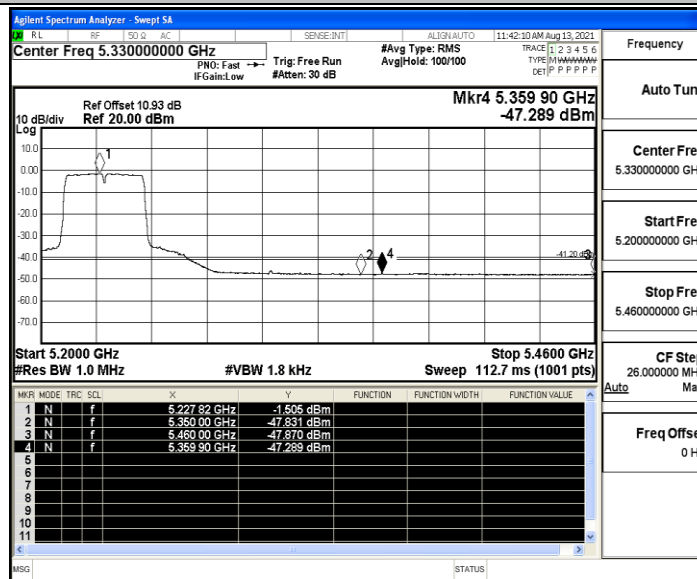


11N40SISO_Ant1_Low_5190_Peak

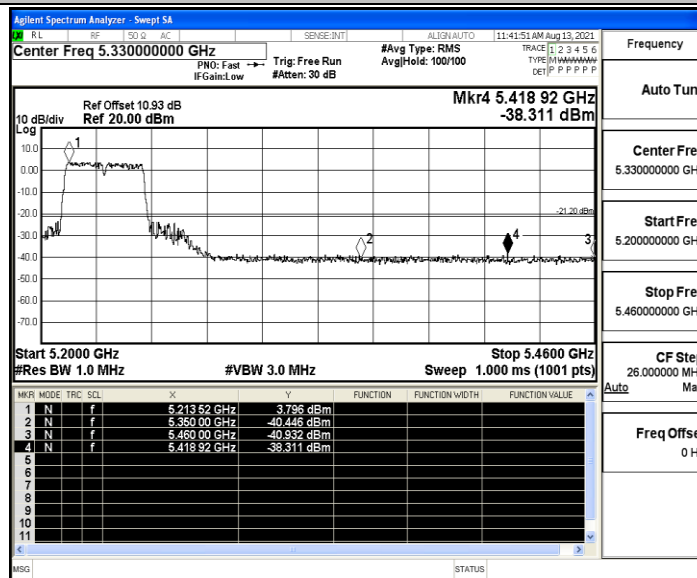




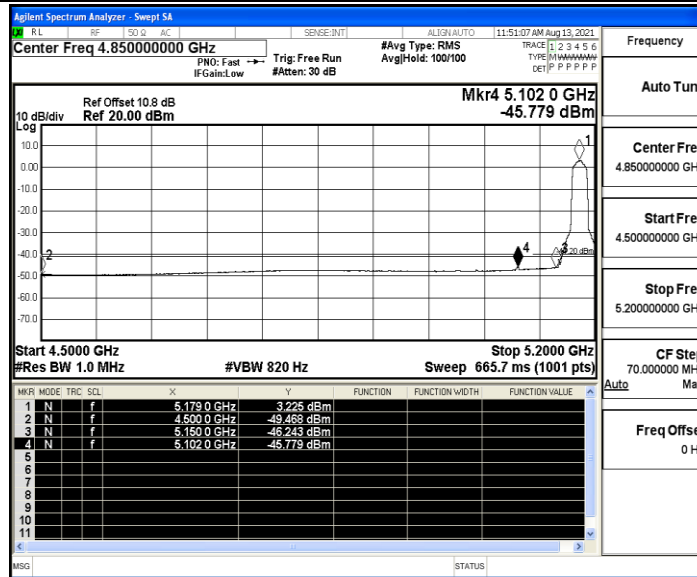
11N40SISO_Ant1_High_5230_AV



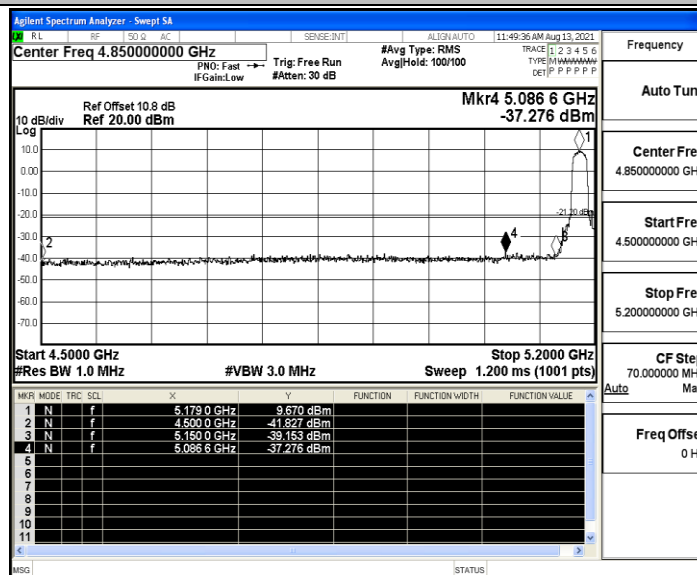
11N40SISO_Ant1_High_5230_Peak



11AC20SISO_Ant1_Low_5180_AV



11AC20SISO_Ant1_Low_5180_Peak

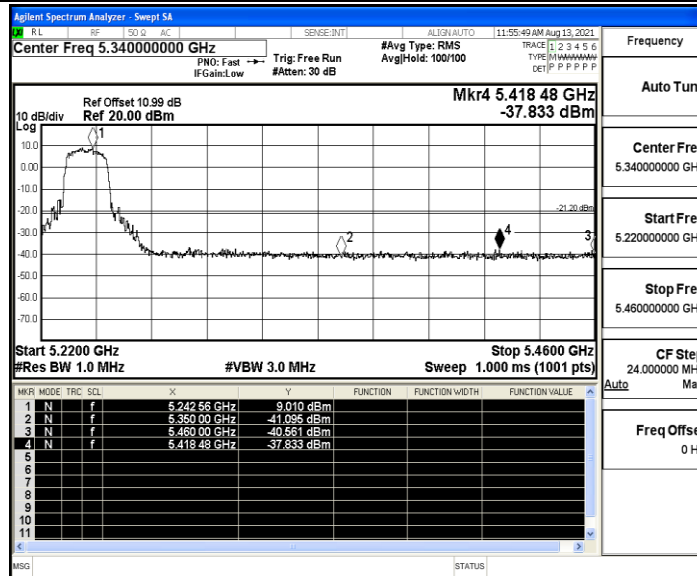


11AC20SISO_Ant1_High_5240_AV

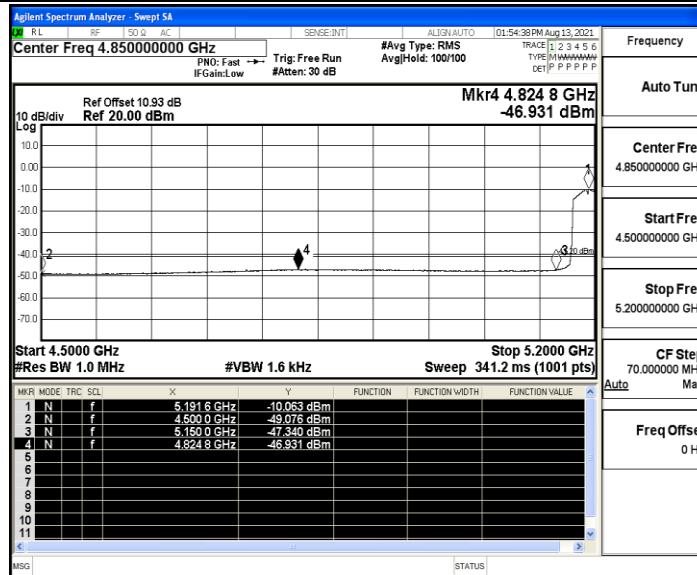




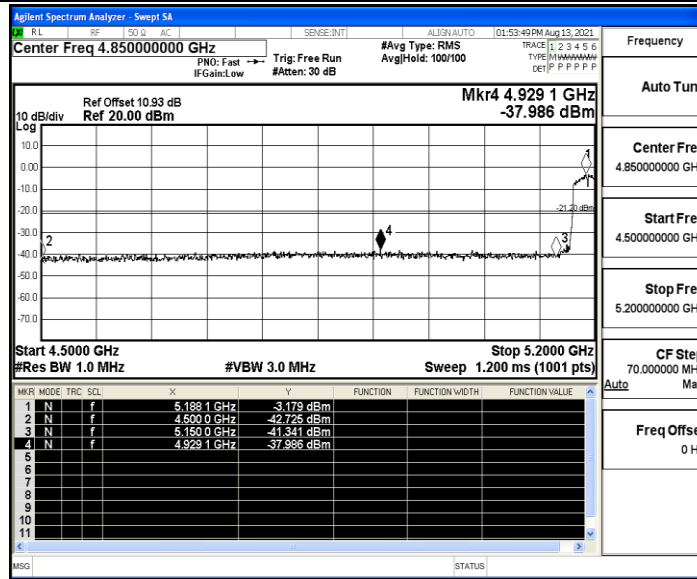
11AC20SISO_Ant1_High_5240_Peak



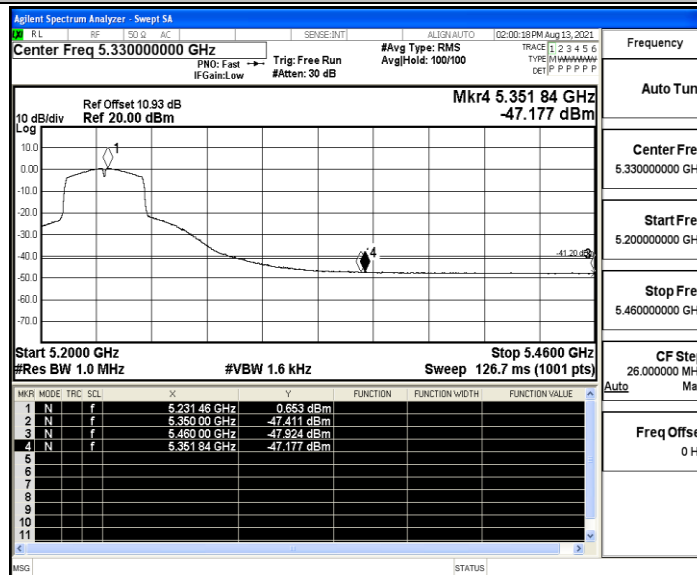
11AC40SISO_Ant1_Low_5190_AV



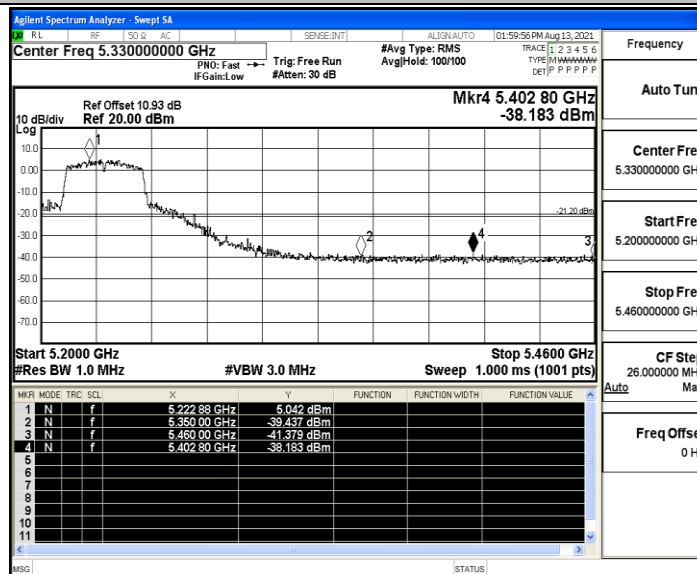
11AC40SISO_Ant1_Low_5190_Peak



11AC40SISO_Ant1_High_5230_AV

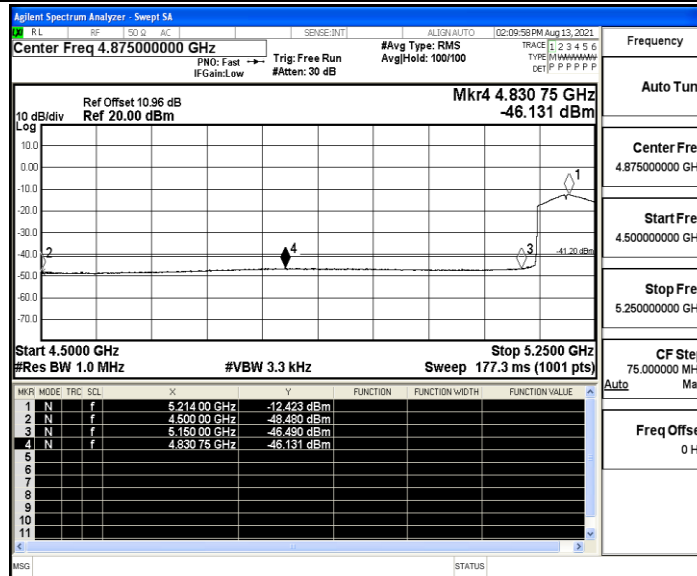


11AC40SISO_Ant1_High_5230_Peak

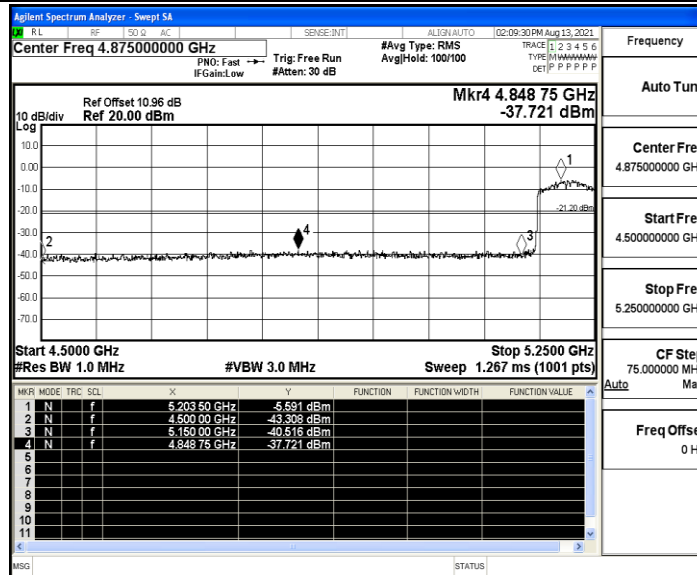




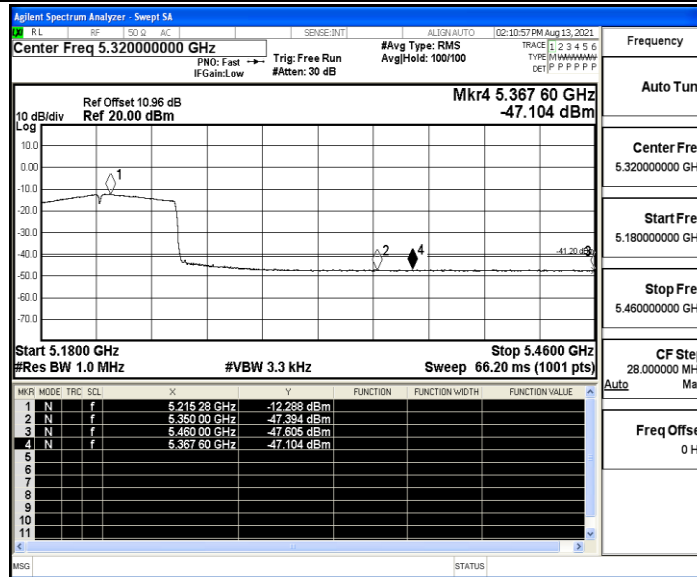
11AC80SISO_Ant1_Low_5210_AV



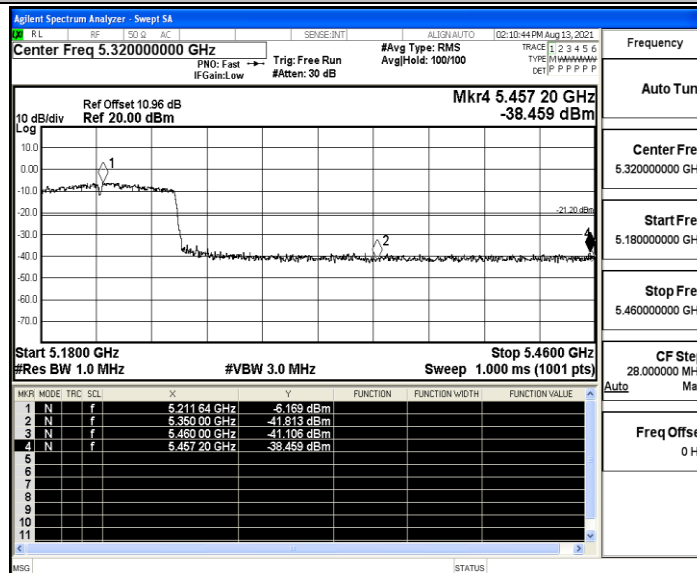
11AC80SISO_Ant1_Low_5210_Peak



11AC80SISO_Ant1_High_5210_AV



11AC80SISO_Ant1_High_5210_Peak





Appendix 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	-13000	-2.509653	20	PASS
			LV	NT	-14000	-2.702703	20	PASS
			HV	NT	-15000	-2.895753	20	PASS
		5200	NV	NT	-17000	-3.269231	20	PASS
			LV	NT	-17000	-3.269231	20	PASS
			HV	NT	-17000	-3.269231	20	PASS
		5240	NV	NT	-17000	-3.244275	20	PASS
			LV	NT	-17000	-3.244275	20	PASS
			HV	NT	-18000	-3.435115	20	PASS
11N20SISO	Ant1	5180	NV	NT	-17000	-3.281853	20	PASS
			LV	NT	-17000	-3.281853	20	PASS
			HV	NT	-18000	-3.474903	20	PASS
		5200	NV	NT	-18000	-3.461538	20	PASS
			LV	NT	-18000	-3.461538	20	PASS
			HV	NT	-19000	-3.653846	20	PASS
		5240	NV	NT	-19000	-3.625954	20	PASS
			LV	NT	-19000	-3.625954	20	PASS
			HV	NT	-19000	-3.625954	20	PASS
11N40SISO	Ant1	5190	NV	NT	-18000	-3.468208	20	PASS
			LV	NT	-18000	-3.468208	20	PASS
			HV	NT	-18000	-3.468208	20	PASS
		5230	NV	NT	-19000	-3.632887	20	PASS
			LV	NT	-19000	-3.632887	20	PASS
			HV	NT	-19000	-3.632887	20	PASS
11AC20SISO	Ant1	5180	NV	NT	-17000	-3.281853	20	PASS
			LV	NT	-17000	-3.281853	20	PASS
			HV	NT	-18000	-3.474903	20	PASS
		5200	NV	NT	-19000	-3.653846	20	PASS
			LV	NT	-19000	-3.653846	20	PASS
			HV	NT	-19000	-3.653846	20	PASS
		5240	NV	NT	-19000	-3.625954	20	PASS
			LV	NT	-19000	-3.625954	20	PASS
			HV	NT	-19000	-3.625954	20	PASS
11AC40SISO	Ant1	5190	NV	NT	-19000	-3.660886	20	PASS
			LV	NT	-19000	-3.660886	20	PASS
			HV	NT	-19000	-3.660886	20	PASS



		5230	NV	NT	-19000	-3.632887	20	PASS
			LV	NT	-19000	-3.632887	20	PASS
			HV	NT	-19000	-3.632887	20	PASS
11AC80SIS O	Ant1	5210	NV	NT	-19000	-3.646833	20	PASS
			LV	NT	-19000	-3.646833	20	PASS
			HV	NT	-19000	-3.646833	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	-15000	-2.895753	20	PASS
			NV	-10	-15000	-2.895753	20	PASS
			NV	0	-16000	-3.088803	20	PASS
			NV	10	-16000	-3.088803	20	PASS
			NV	20	-16000	-3.088803	20	PASS
			NV	30	-16000	-3.088803	20	PASS
			NV	40	-17000	-3.281853	20	PASS
			NV	50	-17000	-3.281853	20	PASS
		5200	NV	-30	-17000	-3.269231	20	PASS
			NV	-20	-17000	-3.269231	20	PASS
			NV	-10	-17000	-3.269231	20	PASS
			NV	0	-17000	-3.269231	20	PASS
			NV	10	-17000	-3.269231	20	PASS
			NV	20	-17000	-3.269231	20	PASS
			NV	30	-17000	-3.269231	20	PASS
			NV	40	-17000	-3.269231	20	PASS
			NV	50	-17000	-3.269231	20	PASS
		5240	NV	-30	-18000	-3.435115	20	PASS
			NV	-20	-18000	-3.435115	20	PASS
			NV	-10	-18000	-3.435115	20	PASS
			NV	0	-18000	-3.435115	20	PASS
			NV	10	-18000	-3.435115	20	PASS
			NV	20	-18000	-3.435115	20	PASS
			NV	30	-18000	-3.435115	20	PASS
			NV	40	-18000	-3.435115	20	PASS
			NV	50	-18000	-3.435115	20	PASS
11N20SISO	Ant1	5180	NV	-30	-18000	-3.474903	20	PASS
			NV	-20	-18000	-3.474903	20	PASS
			NV	-10	-18000	-3.474903	20	PASS
			NV	0	-18000	-3.474903	20	PASS
			NV	10	-18000	-3.474903	20	PASS
			NV	20	-18000	-3.474903	20	PASS



			NV	30	-18000	-3.474903	20	PASS
			NV	40	-18000	-3.474903	20	PASS
			NV	50	-18000	-3.474903	20	PASS
		5200	NV	-30	-18000	-3.461538	20	PASS
			NV	-20	-18000	-3.461538	20	PASS
			NV	-10	-19000	-3.653846	20	PASS
			NV	0	-19000	-3.653846	20	PASS
			NV	10	-19000	-3.653846	20	PASS
			NV	20	-19000	-3.653846	20	PASS
			NV	30	-19000	-3.653846	20	PASS
			NV	40	-19000	-3.653846	20	PASS
			NV	50	-19000	-3.653846	20	PASS
		5240	NV	-30	-19000	-3.625954	20	PASS
			NV	-20	-19000	-3.625954	20	PASS
			NV	-10	-19000	-3.625954	20	PASS
			NV	0	-19000	-3.625954	20	PASS
			NV	10	-19000	-3.625954	20	PASS
			NV	20	-19000	-3.625954	20	PASS
			NV	30	-19000	-3.625954	20	PASS
			NV	40	-19000	-3.625954	20	PASS
			NV	50	-19000	-3.625954	20	PASS
11N40SISO	Ant1	5190	NV	-30	-19000	-3.660886	20	PASS
			NV	-20	-19000	-3.660886	20	PASS
			NV	-10	-19000	-3.660886	20	PASS
			NV	0	-19000	-3.660886	20	PASS
			NV	10	-19000	-3.660886	20	PASS
			NV	20	-19000	-3.660886	20	PASS
			NV	30	-19000	-3.660886	20	PASS
			NV	40	-19000	-3.660886	20	PASS
			NV	50	-19000	-3.660886	20	PASS
		5230	NV	-30	-19000	-3.632887	20	PASS
			NV	-20	-19000	-3.632887	20	PASS
			NV	-10	-19000	-3.632887	20	PASS
			NV	0	-19000	-3.632887	20	PASS
			NV	10	-19000	-3.632887	20	PASS
			NV	20	-19000	-3.632887	20	PASS
			NV	30	-19000	-3.632887	20	PASS
			NV	40	-19000	-3.632887	20	PASS
			NV	50	-19000	-3.632887	20	PASS
11AC20SISO	Ant1	5180	NV	-30	-18000	-3.474903	20	PASS
			NV	-20	-18000	-3.474903	20	PASS
			NV	-10	-18000	-3.474903	20	PASS
			NV	0	-18000	-3.474903	20	PASS



			NV	10	-18000	-3.474903	20	PASS
			NV	20	-19000	-3.667954	20	PASS
			NV	30	-19000	-3.667954	20	PASS
			NV	40	-19000	-3.667954	20	PASS
			NV	50	-19000	-3.667954	20	PASS
		5200	NV	-30	-19000	-3.653846	20	PASS
			NV	-20	-19000	-3.653846	20	PASS
			NV	-10	-19000	-3.653846	20	PASS
			NV	0	-19000	-3.653846	20	PASS
			NV	10	-19000	-3.653846	20	PASS
			NV	20	-19000	-3.653846	20	PASS
			NV	30	-19000	-3.653846	20	PASS
			NV	40	-19000	-3.653846	20	PASS
			NV	50	-19000	-3.653846	20	PASS
		5240	NV	-30	-19000	-3.625954	20	PASS
			NV	-20	-19000	-3.625954	20	PASS
			NV	-10	-20000	-3.816794	20	PASS
			NV	0	-19000	-3.625954	20	PASS
			NV	10	-19000	-3.625954	20	PASS
			NV	20	-20000	-3.816794	20	PASS
			NV	30	-20000	-3.816794	20	PASS
			NV	40	-20000	-3.816794	20	PASS
			NV	50	-19000	-3.625954	20	PASS
11AC40SIS O	Ant1	5190	NV	-30	-19000	-3.660886	20	PASS
			NV	-20	-19000	-3.660886	20	PASS
			NV	-10	-19000	-3.660886	20	PASS
			NV	0	-19000	-3.660886	20	PASS
			NV	10	-19000	-3.660886	20	PASS
			NV	20	-19000	-3.660886	20	PASS
			NV	30	-19000	-3.660886	20	PASS
			NV	40	-19000	-3.660886	20	PASS
			NV	50	-19000	-3.660886	20	PASS
		5230	NV	-30	-19000	-3.632887	20	PASS
			NV	-20	-19000	-3.632887	20	PASS
			NV	-10	-19000	-3.632887	20	PASS
			NV	0	-19000	-3.632887	20	PASS
			NV	10	-19000	-3.632887	20	PASS
			NV	20	-19000	-3.632887	20	PASS
			NV	30	-19000	-3.632887	20	PASS
			NV	40	-19000	-3.632887	20	PASS
			NV	50	-19000	-3.632887	20	PASS
11AC80SIS O	Ant1	5210	NV	-30	-19000	-3.646833	20	PASS
			NV	-20	-19000	-3.646833	20	PASS



			NV	-10	-19000	-3.646833	20	PASS
			NV	0	-19000	-3.646833	20	PASS
			NV	10	-19000	-3.646833	20	PASS
			NV	20	-19000	-3.646833	20	PASS
			NV	30	-19000	-3.646833	20	PASS
			NV	40	-19000	-3.646833	20	PASS
			NV	50	-19000	-3.646833	20	PASS



Appendix D.6: Duty Cycle

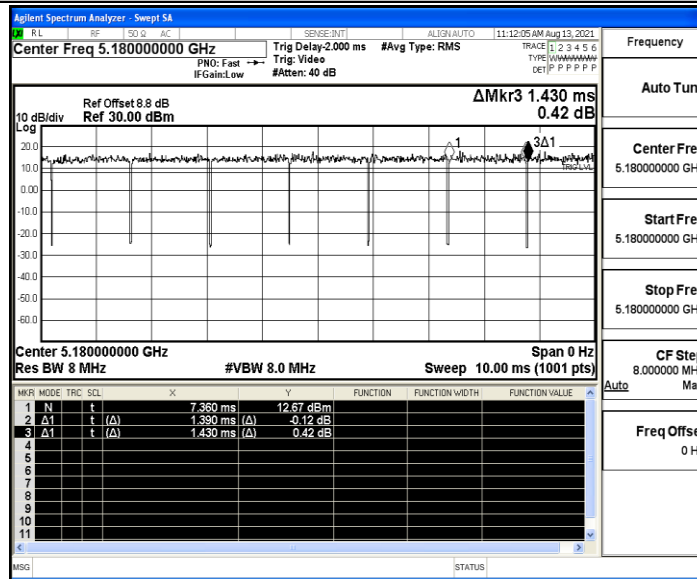
Test Result

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	1.30	1.34	97.01	---	PASS
		5200	1.30	1.34	97.01	---	PASS
		5240	1.30	1.34	97.01	---	PASS
11AC40SISO	Ant1	5190	0.65	0.70	92.86	---	PASS
		5230	0.65	0.70	92.86	---	PASS
11AC80SISO	Ant1	5210	0.32	0.37	86.49	---	PASS

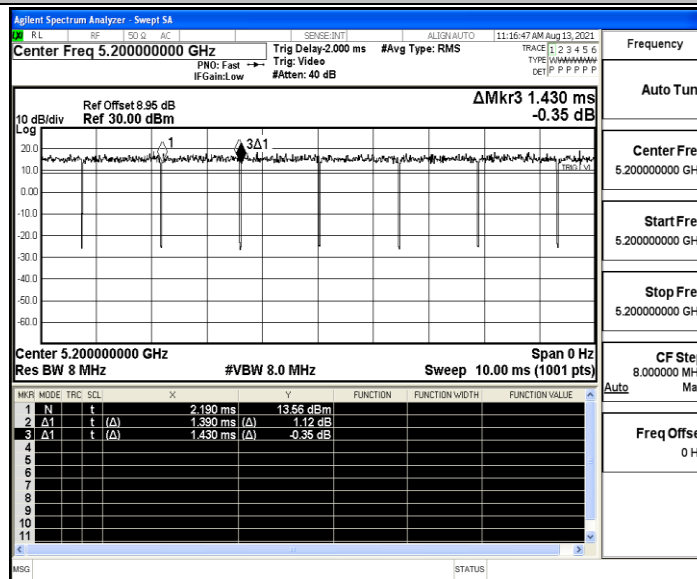


Test Graphs

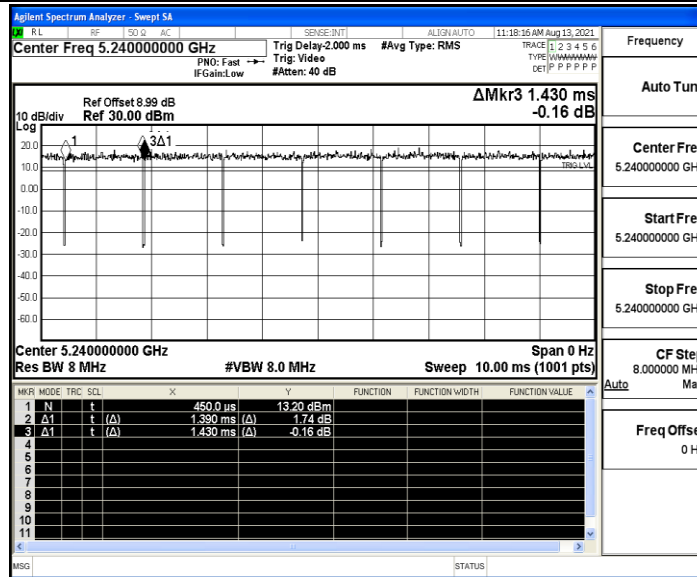
11A_Ant1_5180



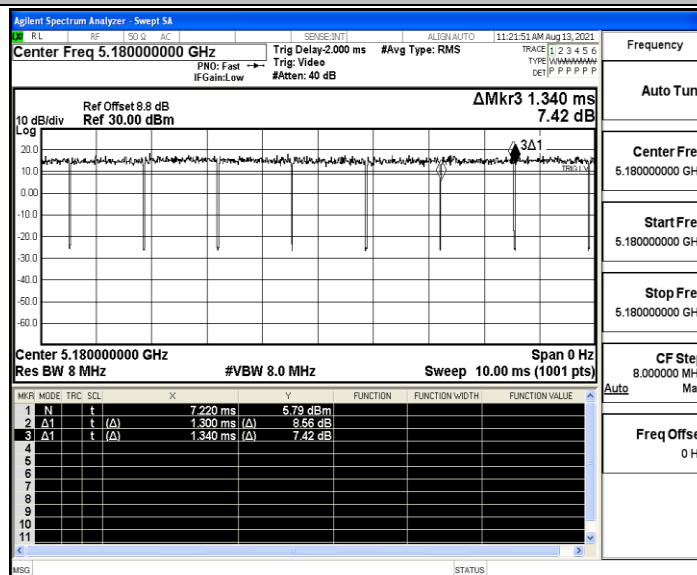
11A_Ant1_5200



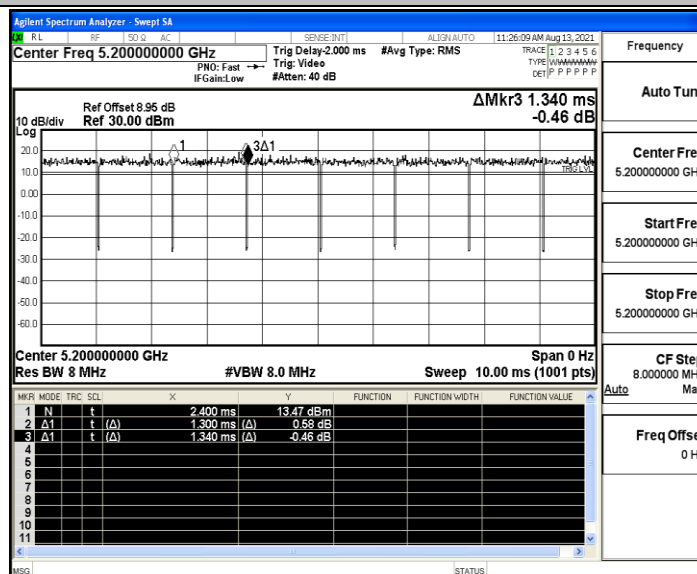
11A_Ant1_5240



11N20SISO_Ant1_5180

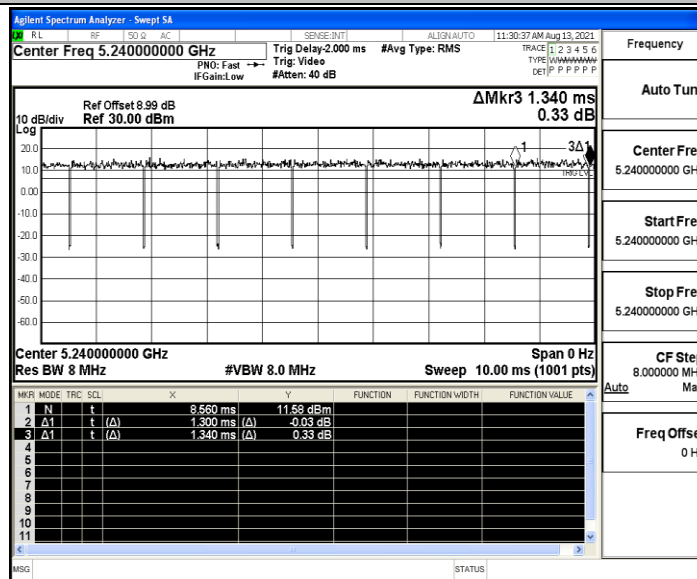


11N20SISO_Ant1_5200

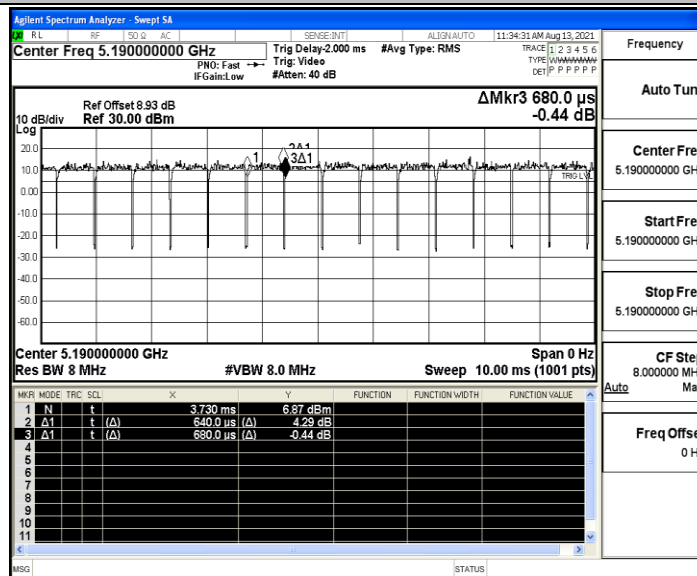




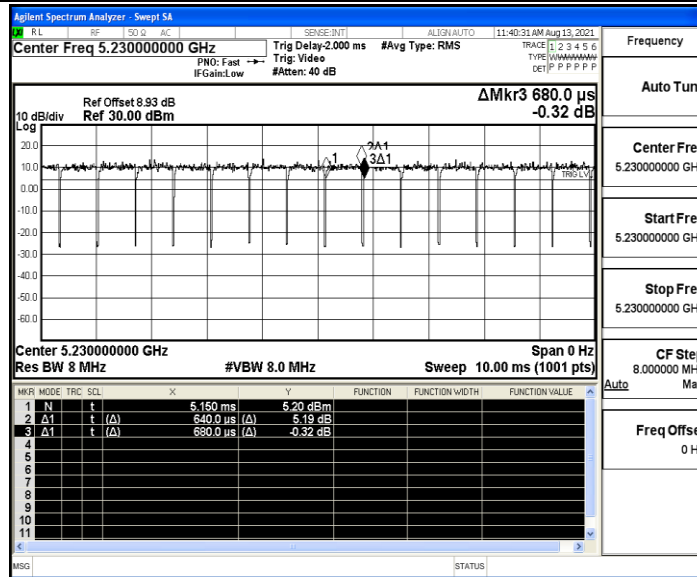
11N20SISO_Ant1_5240



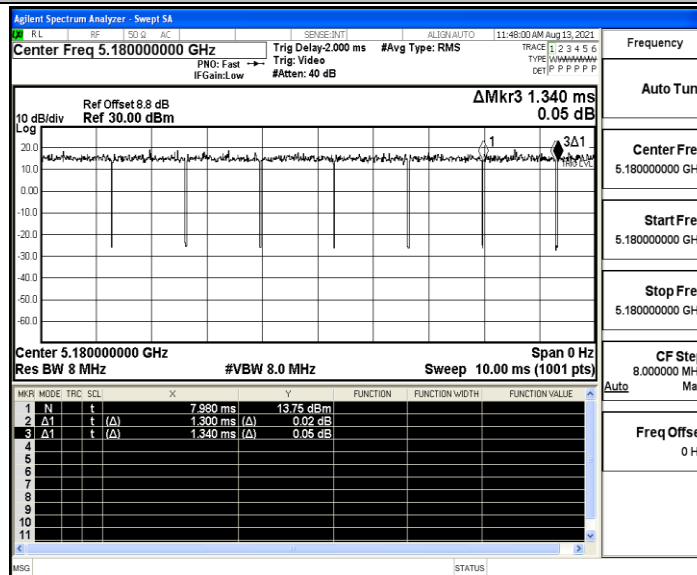
11N40SISO_Ant1_5190



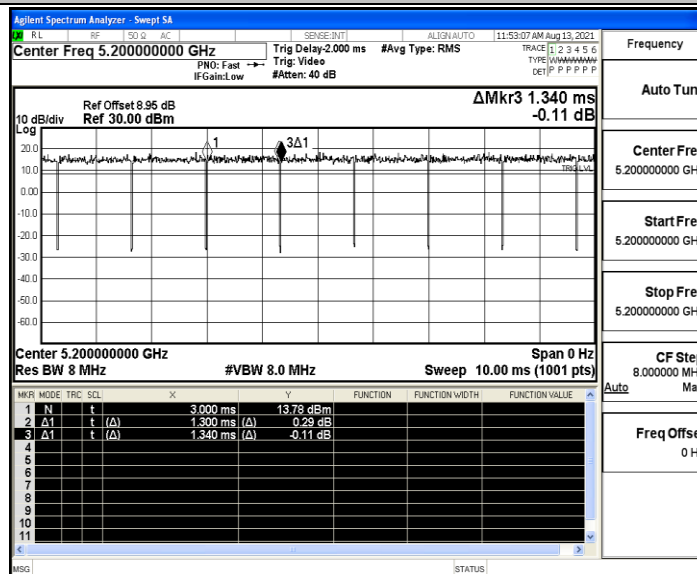
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180

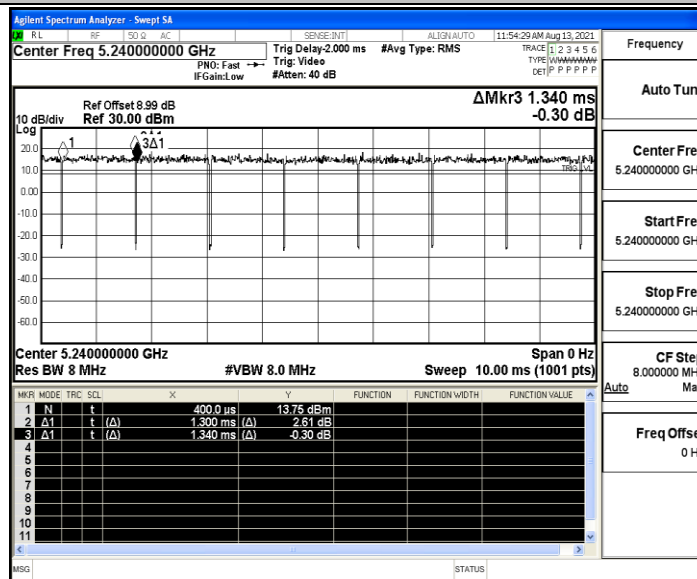


11AC20SISO_Ant1_5200

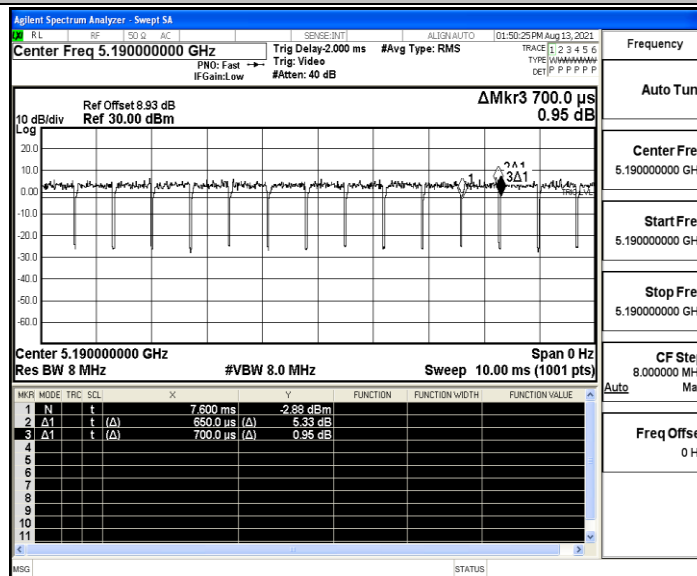




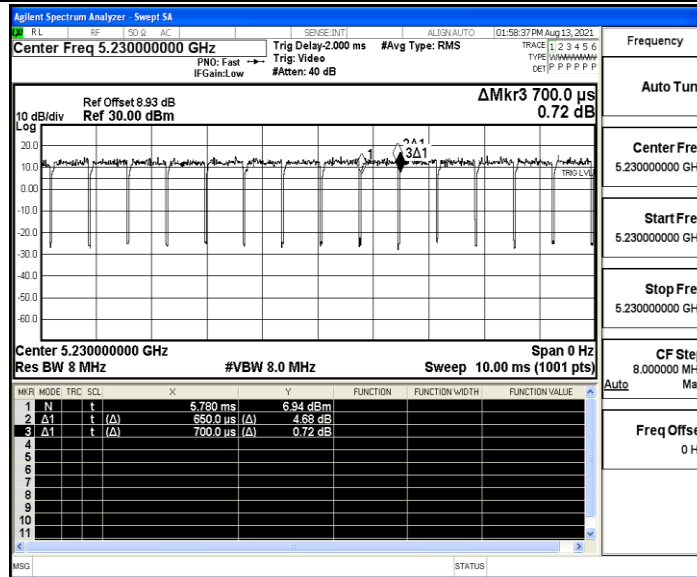
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

