



Appendix B

RF Test Data for 5.2G WIFI (Conducted Measurement)

Product Name: Brunswick Sync Tablet

Test Model: 57-501587

Environmental Conditions

Temperature:	23.6° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan



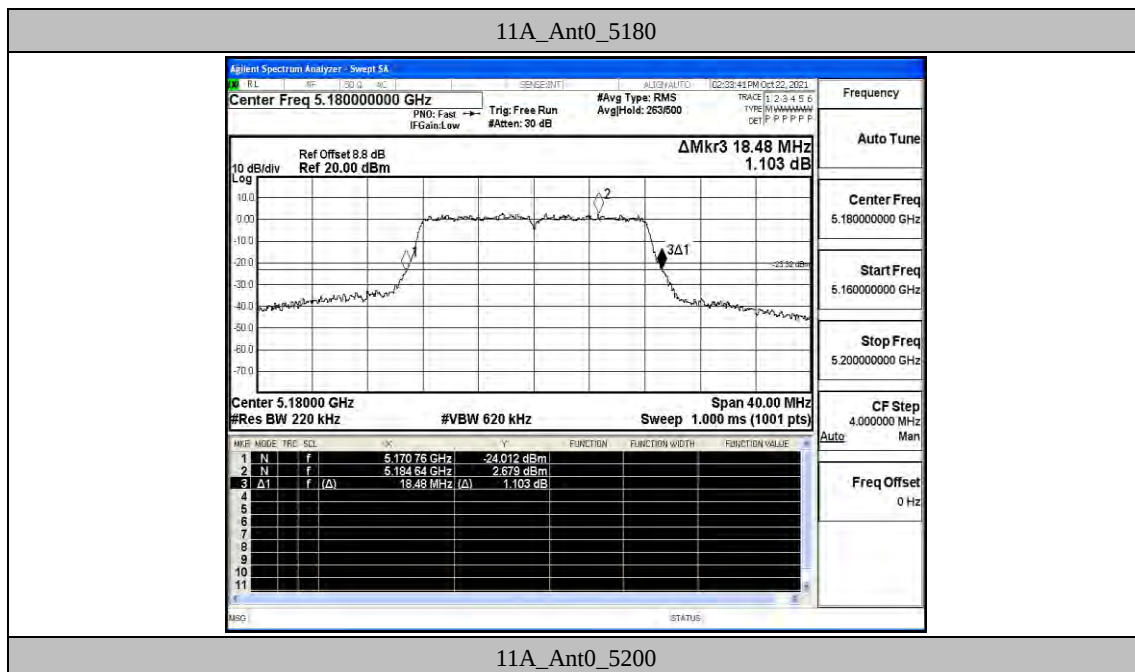
B.1 Emission Bandwidth

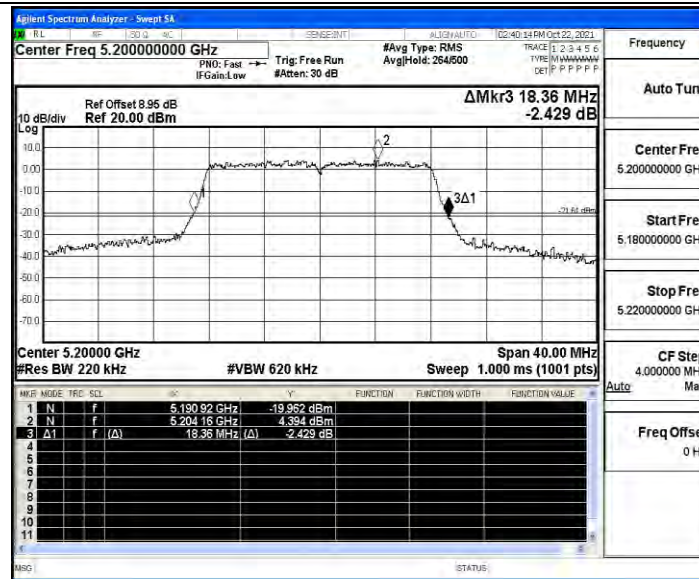
Test Result

ANT0

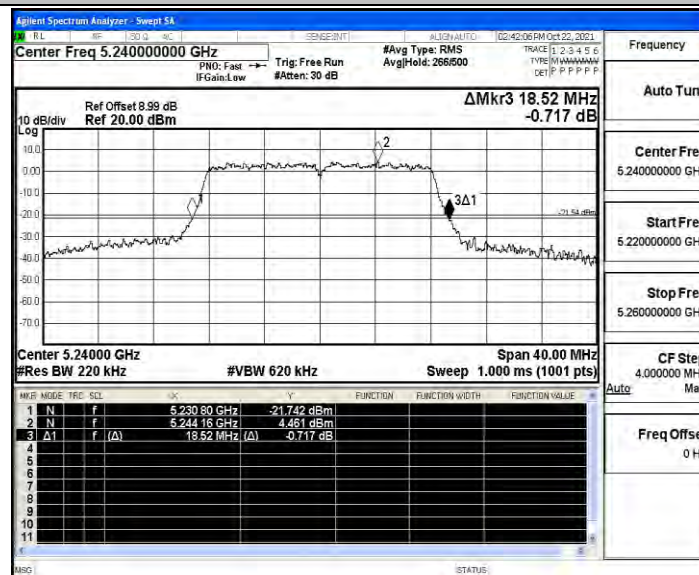
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	18.480	5170.760	5189.240	---	PASS
		5200	18.360	5190.920	5209.280	---	PASS
		5240	18.520	5230.800	5249.320	---	PASS
11N20SISO	Ant0	5180	19.480	5170.280	5189.760	---	PASS
		5200	19.400	5190.320	5209.720	---	PASS
		5240	19.360	5230.320	5249.680	---	PASS
11N40SISO	Ant0	5190	40.960	5169.280	5210.240	---	PASS
		5230	40.480	5209.760	5250.240	---	PASS
11AC20SISO	Ant0	5180	19.320	5170.320	5189.640	---	PASS
		5200	19.480	5190.240	5209.720	---	PASS
		5240	19.480	5230.200	5249.680	---	PASS
11AC40SISO	Ant0	5190	41.040	5169.520	5210.560	---	PASS
		5230	40.560	5209.680	5250.240	---	PASS
11AC80SISO	Ant0	5210	80.800	5169.840	5250.640	---	PASS

Test Graphs

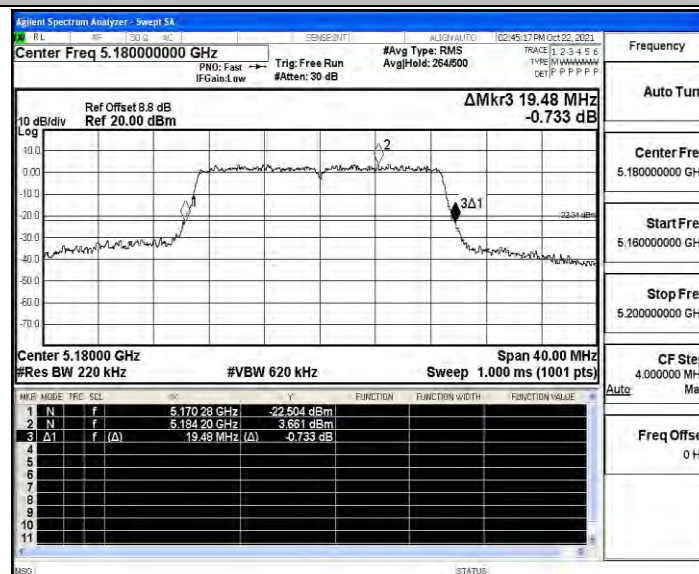




11A_Ant0_5240

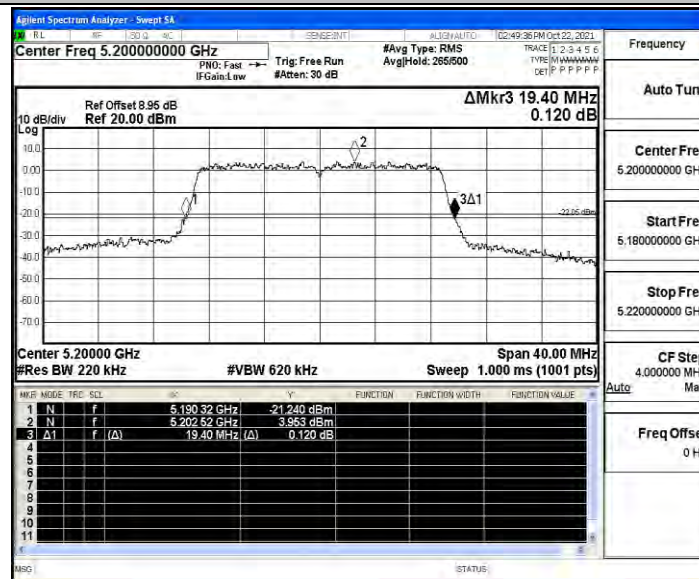


11N20SISO_Ant0_5180

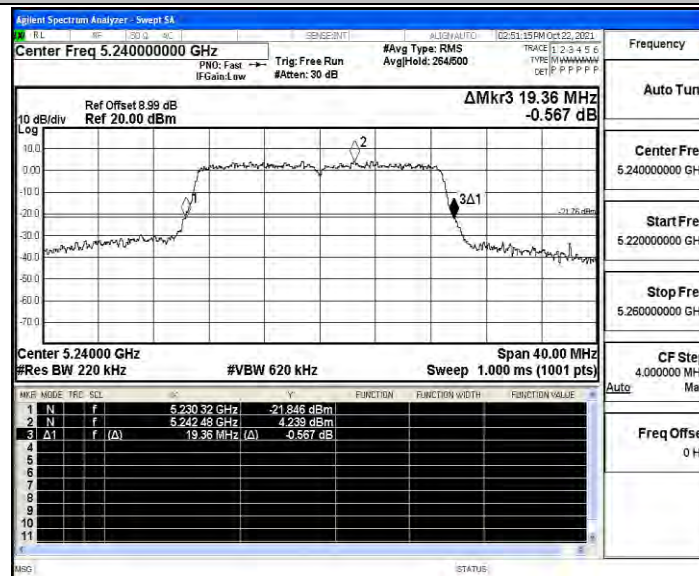




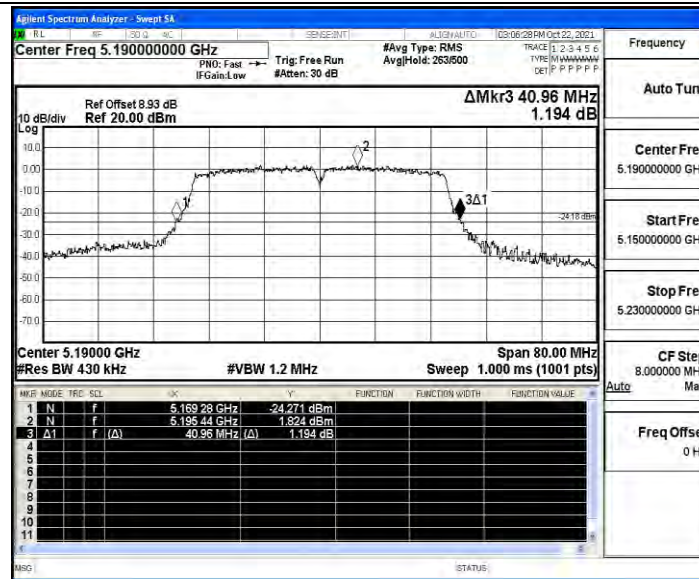
11N20SISO_Ant0_5200



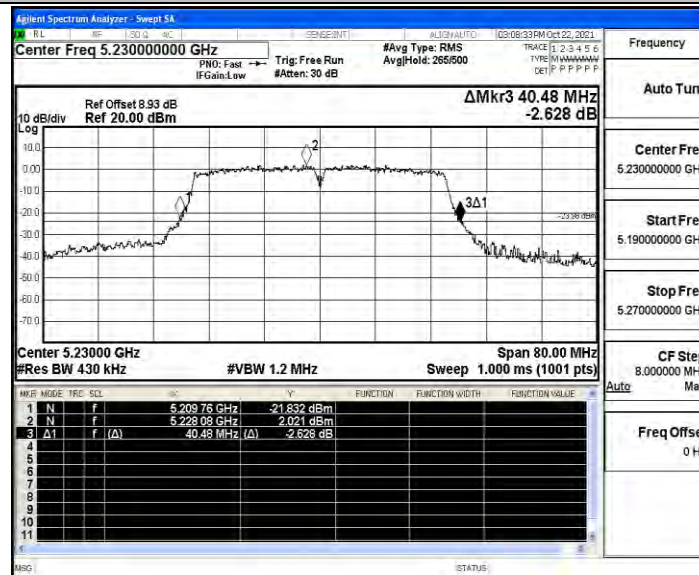
11N20SISO_Ant0_5240



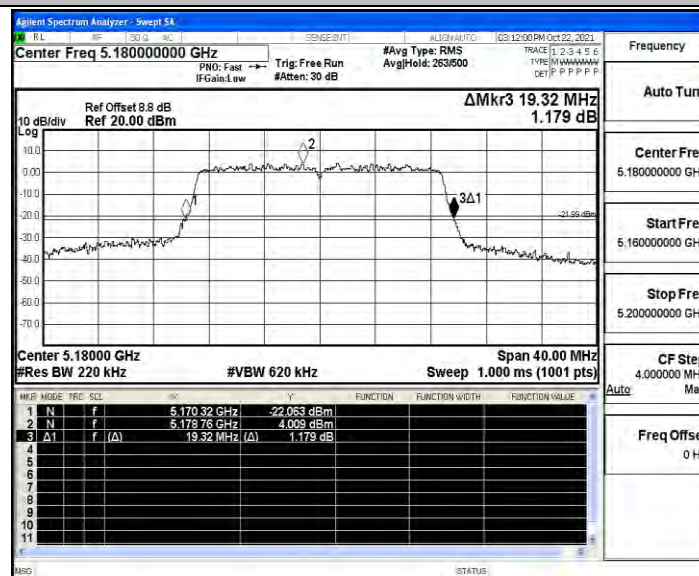
11N40SISO_Ant0_5190



11N40SISO_Ant0_5230

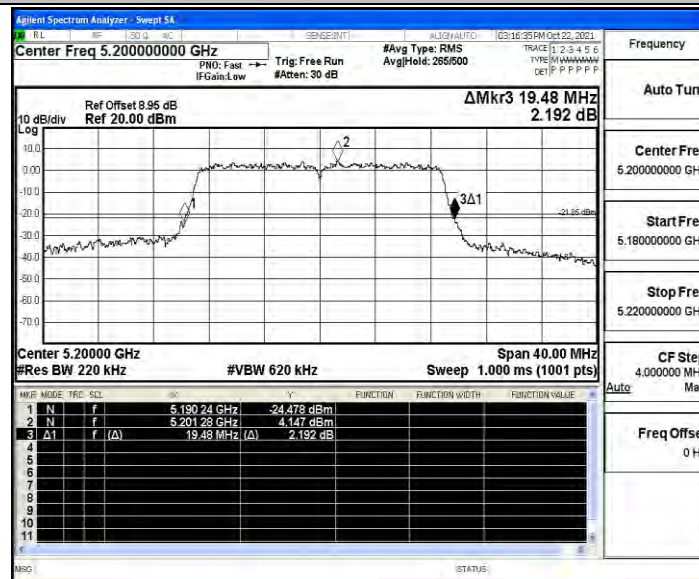


11AC20SISO_Ant0_5180

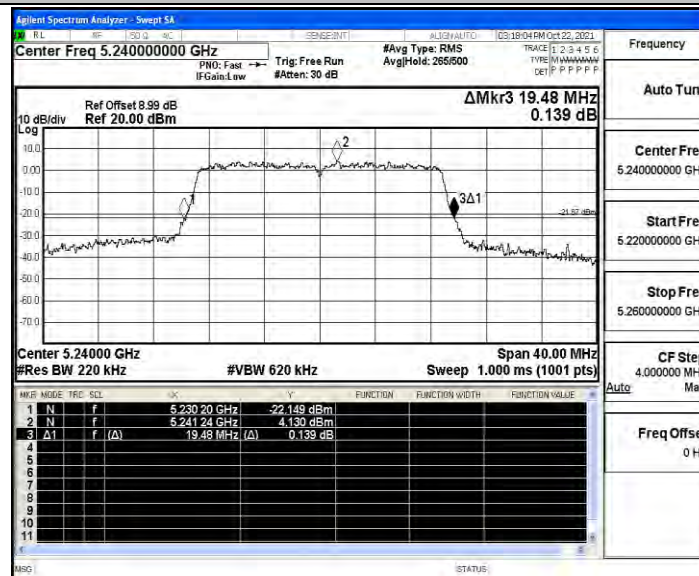




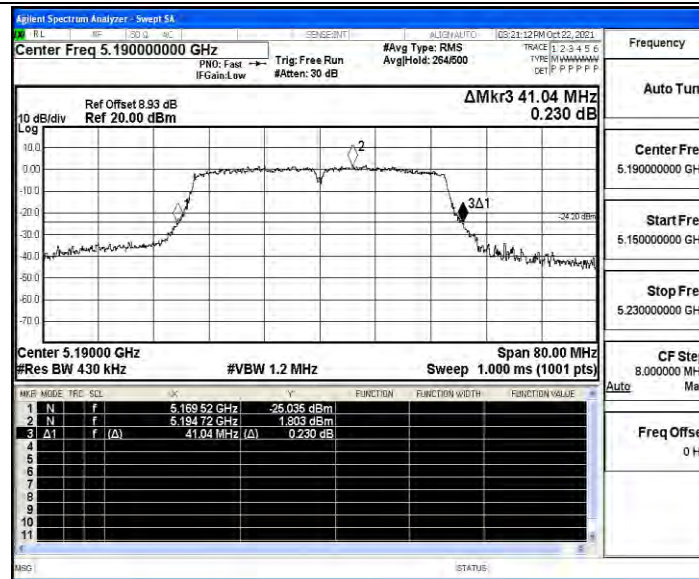
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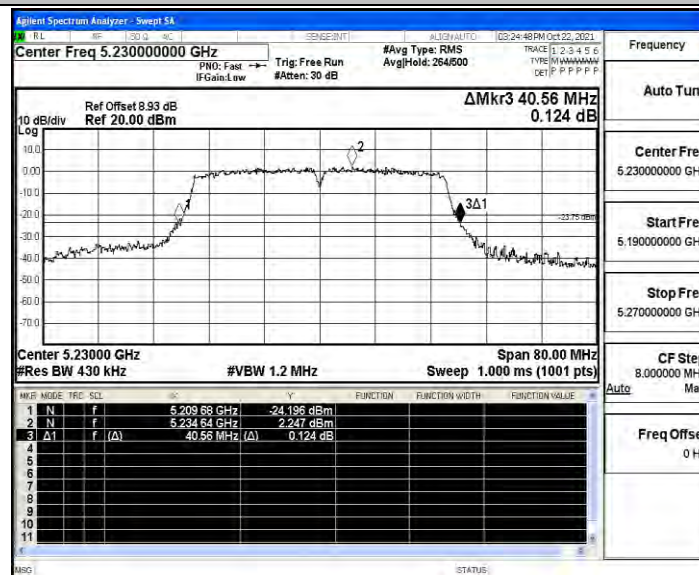
11AC20SISO_Ant0_5240



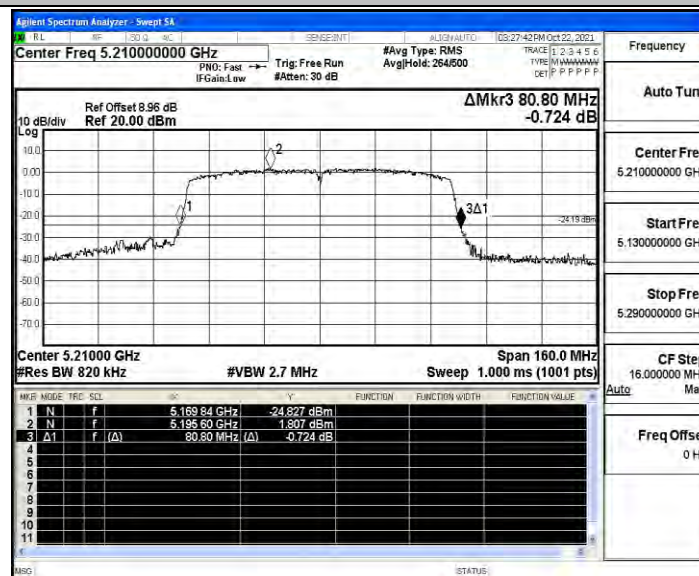
11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230



11AC80SISO_Ant0_5210

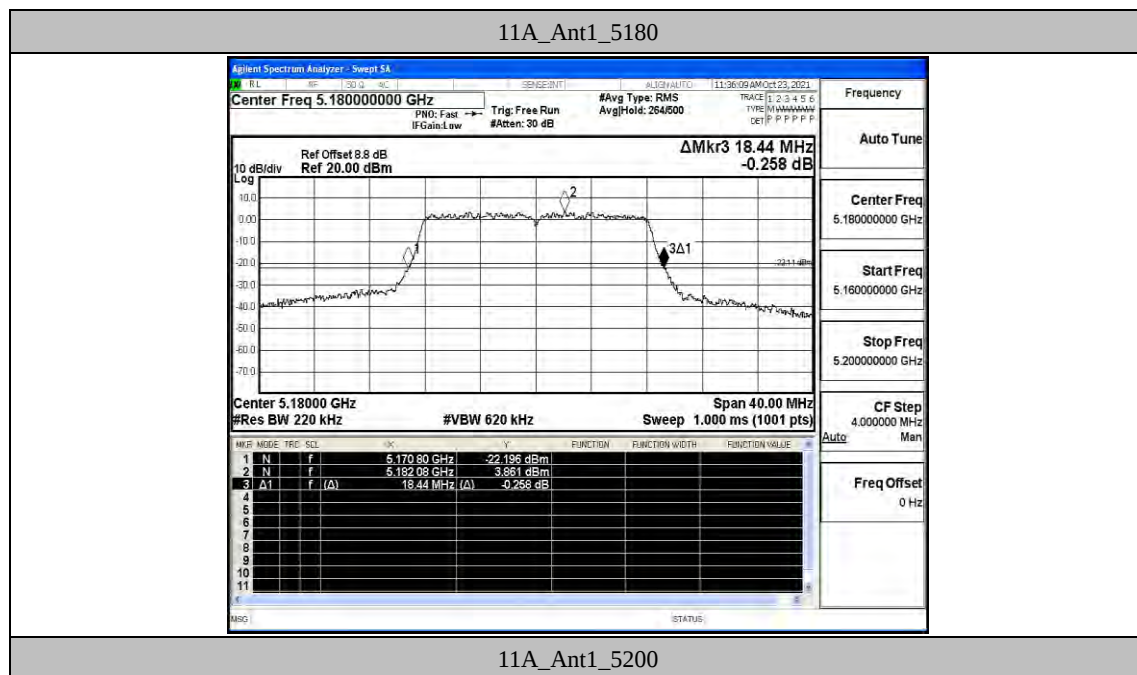


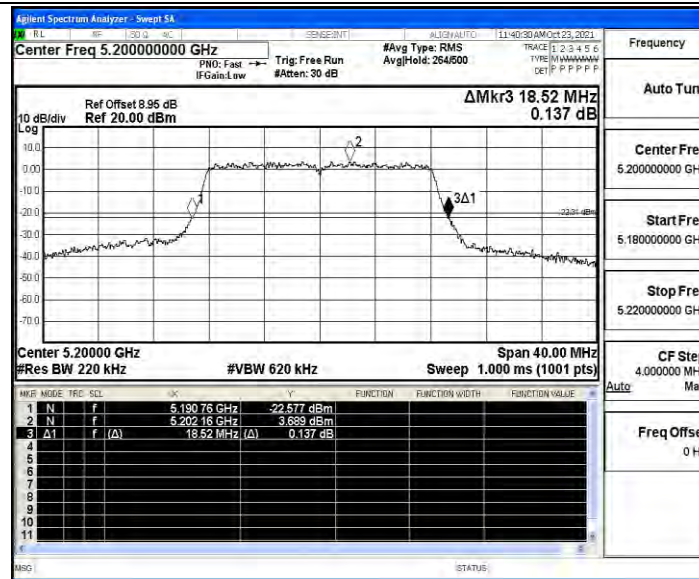


ANT1

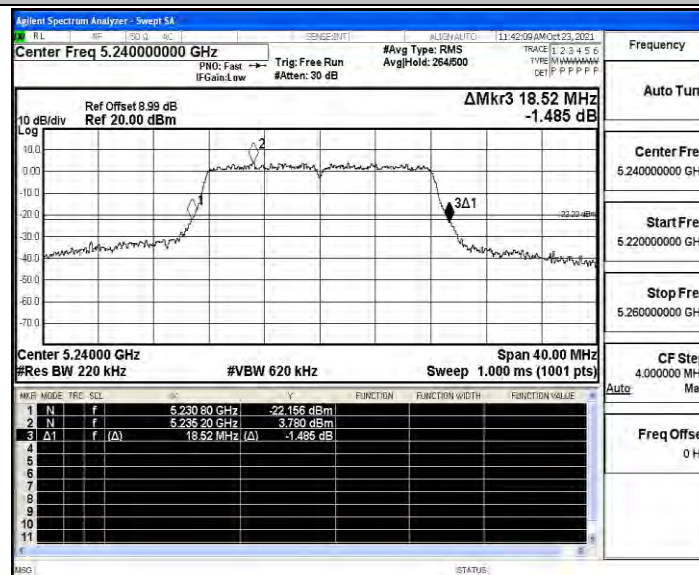
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.440	5170.800	5189.240	---	PASS
		5200	18.520	5190.760	5209.280	---	PASS
		5240	18.520	5230.800	5249.320	---	PASS
11N20SISO	Ant1	5180	19.560	5170.160	5189.720	---	PASS
		5200	19.360	5190.320	5209.680	---	PASS
		5240	19.320	5230.320	5249.640	---	PASS
11N40SISO	Ant1	5190	40.880	5169.360	5210.240	---	PASS
		5230	40.880	5209.360	5250.240	---	PASS
11AC20SISO	Ant1	5180	19.400	5170.320	5189.720	---	PASS
		5200	19.440	5190.240	5209.680	---	PASS
		5240	19.400	5230.280	5249.680	---	PASS
11AC40SISO	Ant1	5190	40.800	5169.440	5210.240	---	PASS
		5230	40.960	5209.360	5250.320	---	PASS
11AC80SISO	Ant1	5210	81.280	5169.520	5250.800	---	PASS

Test Graphs

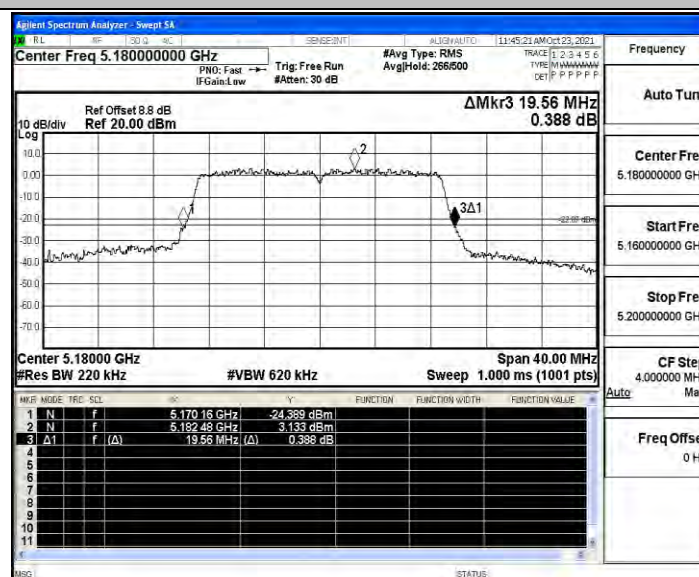




11A_Ant1_5240

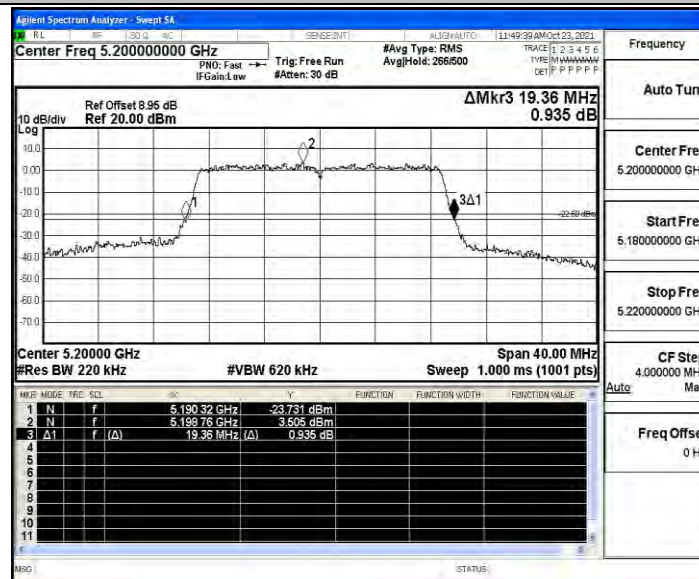


11N20SISO_Ant1_5180

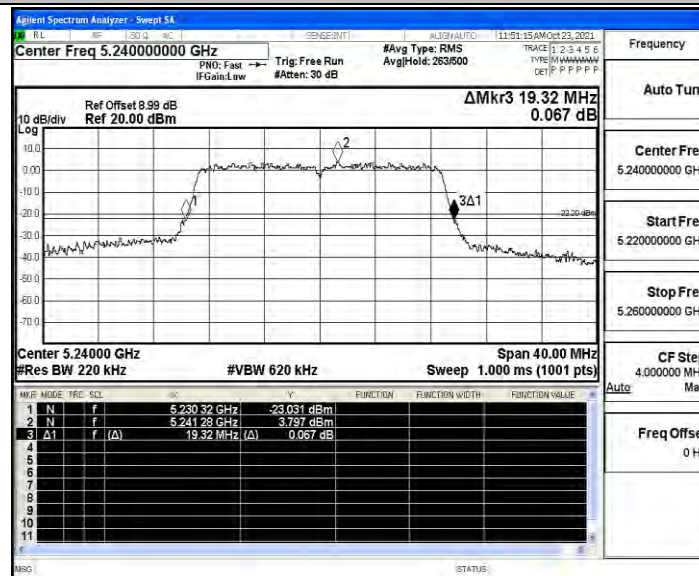




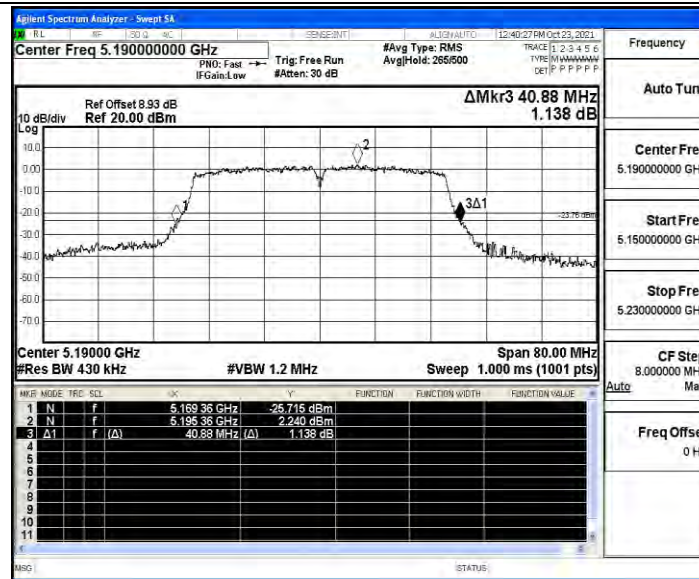
11N20SISO_Ant1_5200



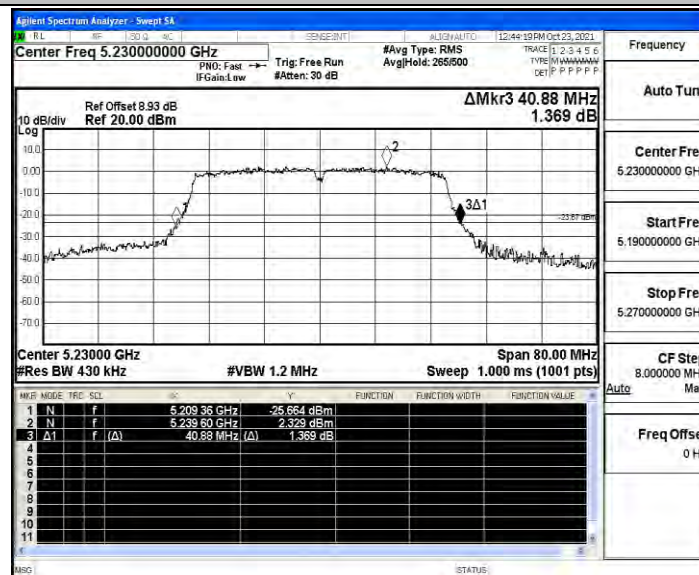
11N20SISO_Ant1_5240



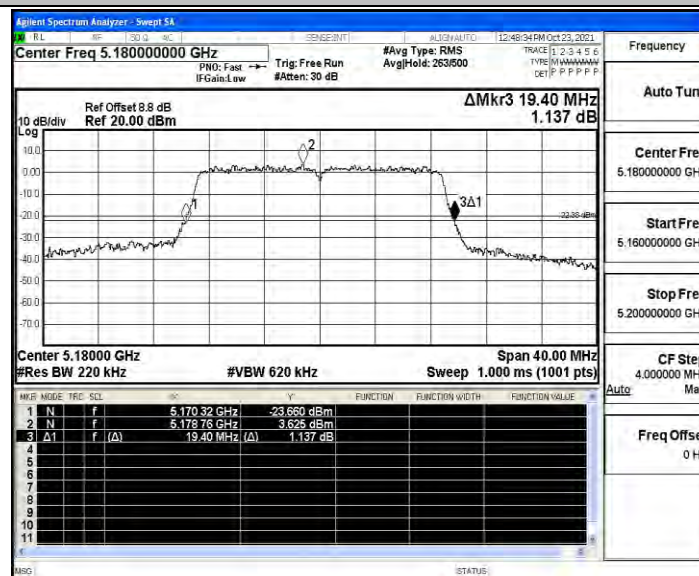
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

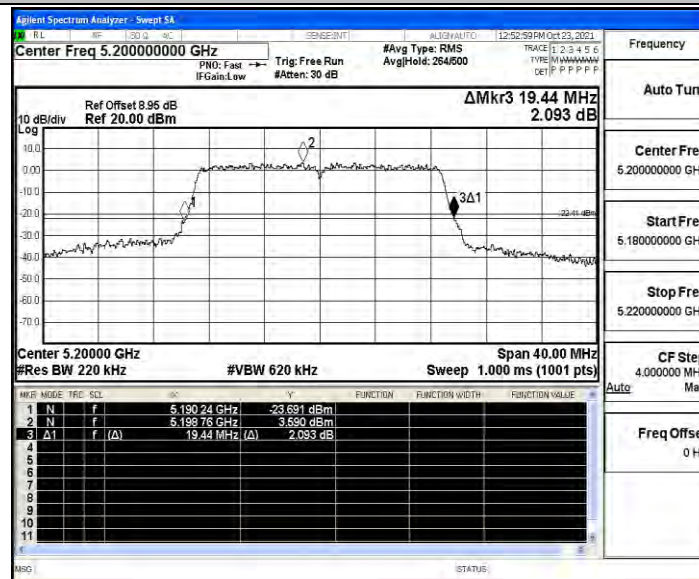


11AC20SISO_Ant1_5180

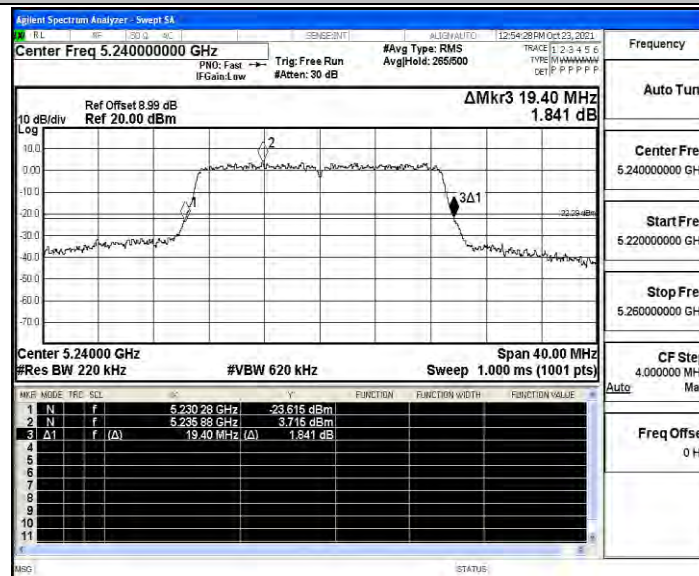




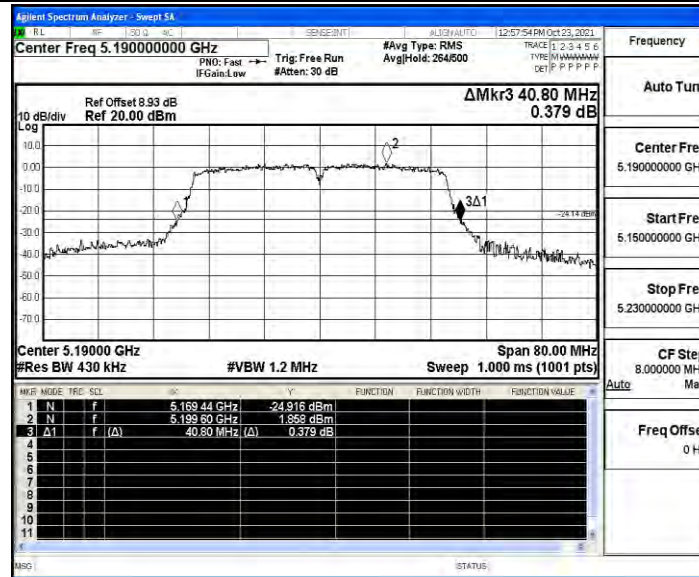
11AC20SISO_Ant1_5200



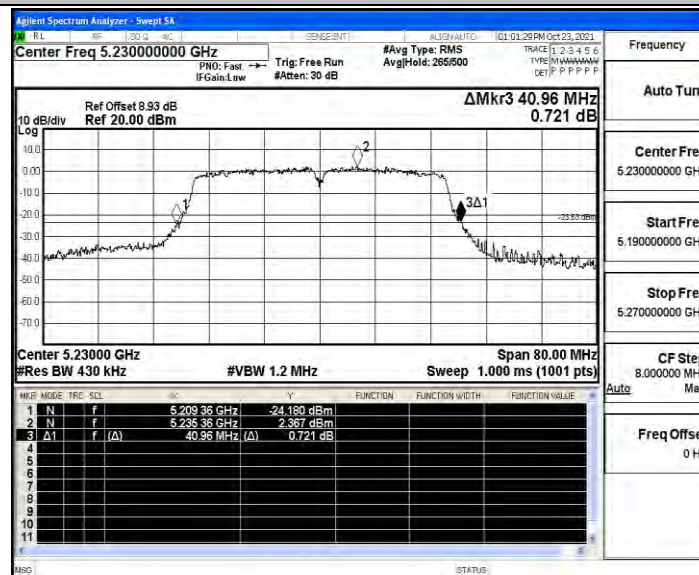
11AC20SISO_Ant1_5240



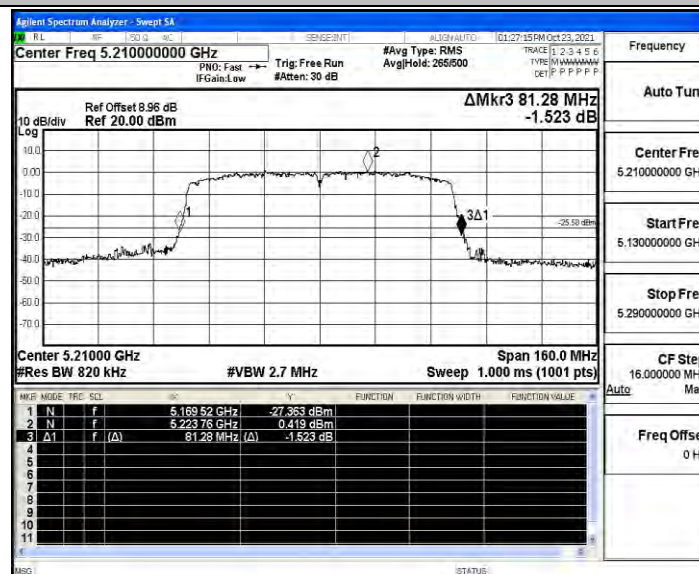
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210





B.2 Maximum conducted output power

Test Result

ANT0

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant0	5180	14.00	≤ 23.98	PASS
		5200	14.25	≤ 23.98	PASS
		5240	14.39	≤ 23.98	PASS
11N20SISO	Ant0	5180	14.04	≤ 23.98	PASS
		5200	14.24	≤ 23.98	PASS
		5240	14.43	≤ 23.98	PASS
11N40SISO	Ant0	5190	12.62	≤ 23.98	PASS
		5230	12.68	≤ 23.98	PASS
11AC20SISO	Ant0	5180	14.26	≤ 23.98	PASS
		5200	14.23	≤ 23.98	PASS
		5240	14.39	≤ 23.98	PASS
11AC40SISO	Ant0	5190	12.47	≤ 23.98	PASS
		5230	12.76	≤ 23.98	PASS
11AC80SISO	Ant0	5210	12.95	≤ 23.98	PASS

ANT1

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.73	≤ 23.98	PASS
		5200	13.69	≤ 23.98	PASS
		5240	13.79	≤ 23.98	PASS
11N20SISO	Ant1	5180	13.50	≤ 23.98	PASS
		5200	13.73	≤ 23.98	PASS
		5240	14.00	≤ 23.98	PASS
11N40SISO	Ant1	5190	12.45	≤ 23.98	PASS
		5230	12.67	≤ 23.98	PASS
11AC20SISO	Ant1	5180	13.66	≤ 23.98	PASS
		5200	13.76	≤ 23.98	PASS
		5240	14.00	≤ 23.98	PASS
11AC40SISO	Ant1	5190	12.50	≤ 23.98	PASS
		5230	12.60	≤ 23.98	PASS
11AC80SISO	Ant1	5210	11.37	≤ 23.98	PASS



MIMO

Test Mode	Channel	Frequency (MHz)	ANT 0 Conducted Power (dBm)	ANT 1 Conducted Power (dBm)	MIMO AV Conducted Power (dBm)	Limit (dBm)	Verdict
11N20	36	5180	14.04	13.50	16.79	≤ 23.98	Pass
	40	5200	14.24	13.73	17.00		Pass
	48	5240	14.43	14.00	17.23		Pass
11N40	38	5190	12.62	12.45	15.55	≤ 23.98	Pass
	46	5230	12.68	12.67	15.69		Pass
11AC20	36	5180	14.26	13.66	16.98	≤ 23.98	Pass
	40	5200	14.23	13.76	17.01		Pass
	48	5240	14.39	14.00	17.21		Pass
11AC40	38	5190	12.47	12.50	15.50	≤ 23.98	Pass
	46	5230	12.76	12.60	15.69		Pass
11AC80	42	5210	12.95	11.37	15.24	≤ 23.98	Pass

Note: The Duty Factor is compensated in the graph.



B.3 Maximum power spectral density

Test Result

ANT0

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5180	3.27	≤ 11	PASS
		5200	3.16	≤ 11	PASS
		5240	3.57	≤ 11	PASS
11N20SISO	Ant0	5180	2.8	≤ 11	PASS
		5200	3.21	≤ 11	PASS
		5240	2.92	≤ 11	PASS
11N40SISO	Ant0	5190	-1.23	≤ 11	PASS
		5230	-0.98	≤ 11	PASS
11AC20SISO	Ant0	5180	2.85	≤ 11	PASS
		5200	2.87	≤ 11	PASS
		5240	3.03	≤ 11	PASS
11AC40SISO	Ant0	5190	-1.36	≤ 11	PASS
		5230	-0.82	≤ 11	PASS
11AC80SISO	Ant0	5210	-3.8	≤ 11	PASS



ANT1

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.79	≤ 11	PASS
		5200	2.88	≤ 11	PASS
		5240	3.2	≤ 11	PASS
11N20SISO	Ant1	5180	2.26	≤ 11	PASS
		5200	2.24	≤ 11	PASS
		5240	2.79	≤ 11	PASS
11N40SISO	Ant1	5190	-1.09	≤ 11	PASS
		5230	-0.86	≤ 11	PASS
11AC20SISO	Ant1	5180	2.28	≤ 11	PASS
		5200	2.58	≤ 11	PASS
		5240	2.71	≤ 11	PASS
11AC40SISO	Ant1	5190	-1.34	≤ 11	PASS
		5230	-1.16	≤ 11	PASS
11AC80SISO	Ant1	5210	-5.24	≤ 11	PASS

MIMO

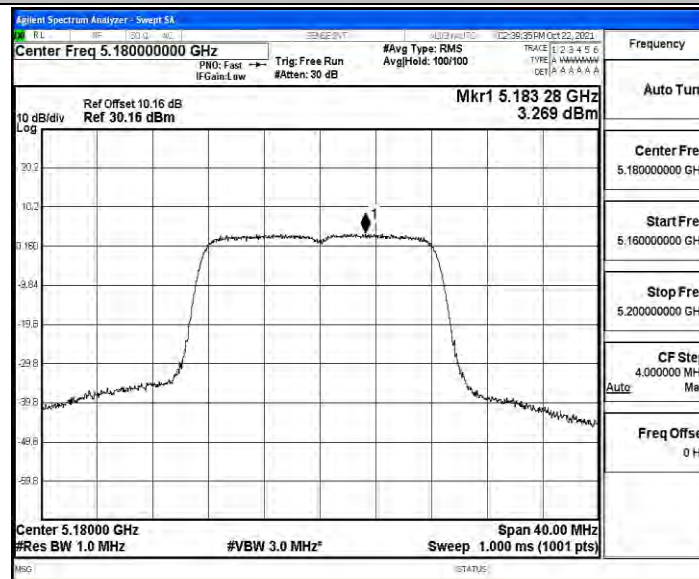
Test Mode	Channel	Frequency (MHz)	ANT 0 PSD (dBm/MHz)	ANT 1 PSD (dBm/MHz)	MIMO PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
11N20	36	5180	2.8	2.26	5.55	≤ 10.99	Pass
	40	5200	3.21	2.24	5.76		Pass
	48	5240	2.92	2.79	5.87		Pass
11N40	38	5190	-1.23	-1.09	1.85	≤ 10.99	Pass
	46	5230	-0.98	-0.86	2.09		Pass
11AC20	36	5180	2.85	2.28	5.58	≤ 10.99	Pass
	40	5200	2.87	2.58	5.74		Pass
	48	5240	3.03	2.71	5.88		Pass
11AC40	38	5190	-1.36	-1.34	1.66	≤ 10.99	Pass
	46	5230	-0.82	-1.16	2.02		Pass
11AC80	42	5210	-3.8	-5.24	-1.45	≤ 10.99	Pass

Note: The Duty Factor is compensated in the graph.

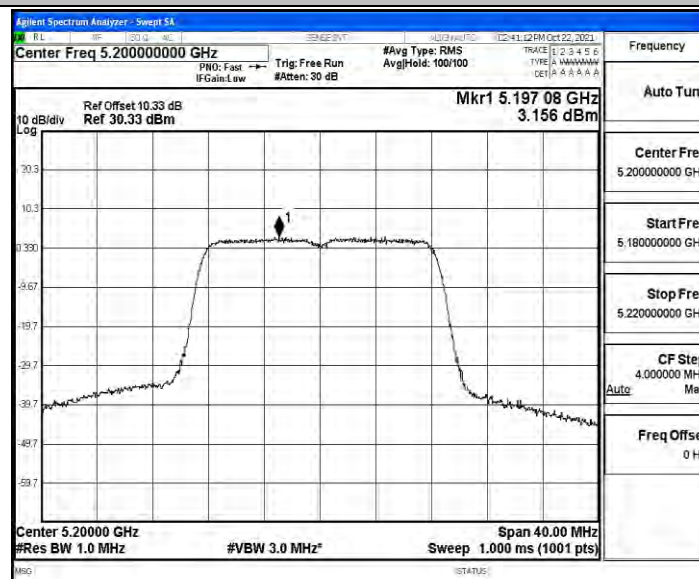


Test Graphs(ANT0)

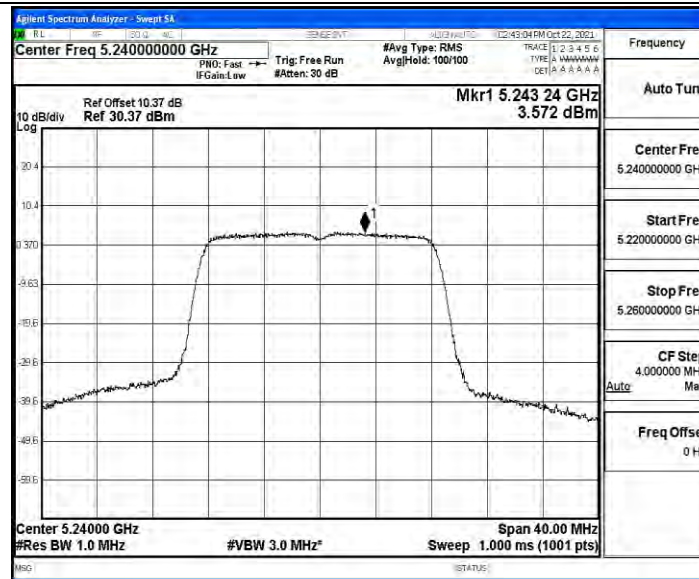
11A_Ant0_5180



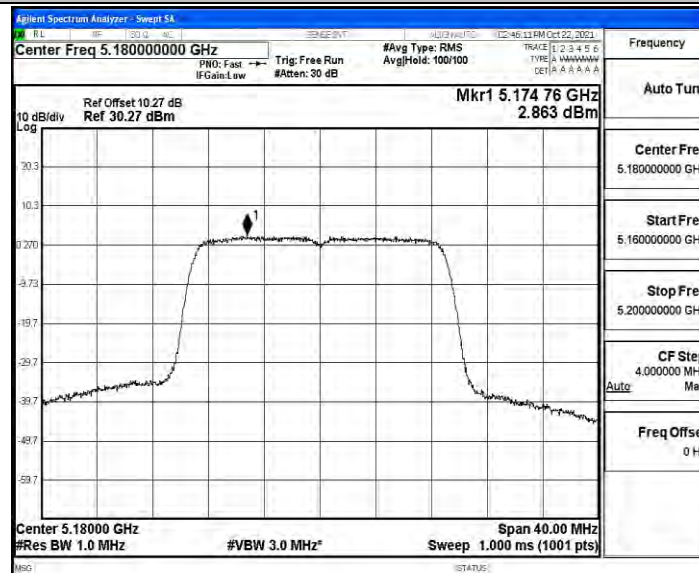
11A_Ant0_5200



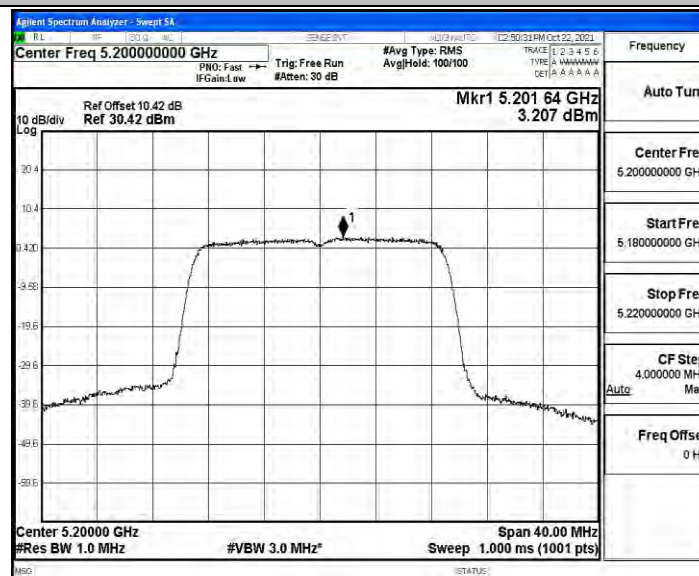
11A_Ant0_5240



11N20SISO_Ant0_5180

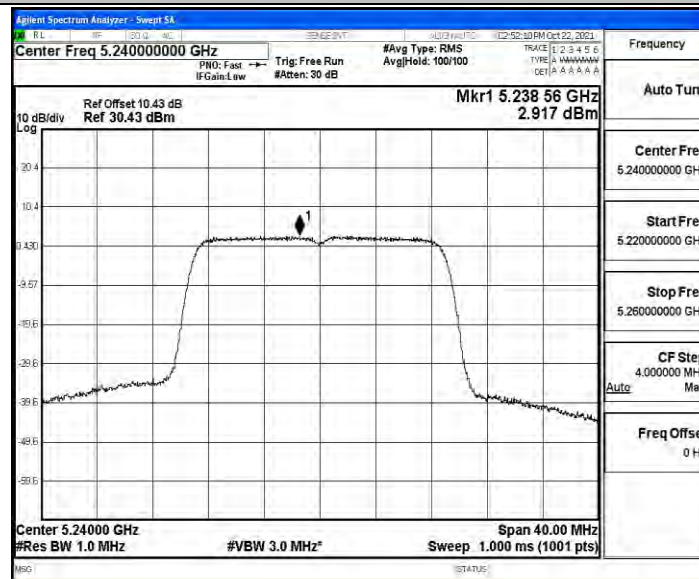


11N20SISO_Ant0_5200

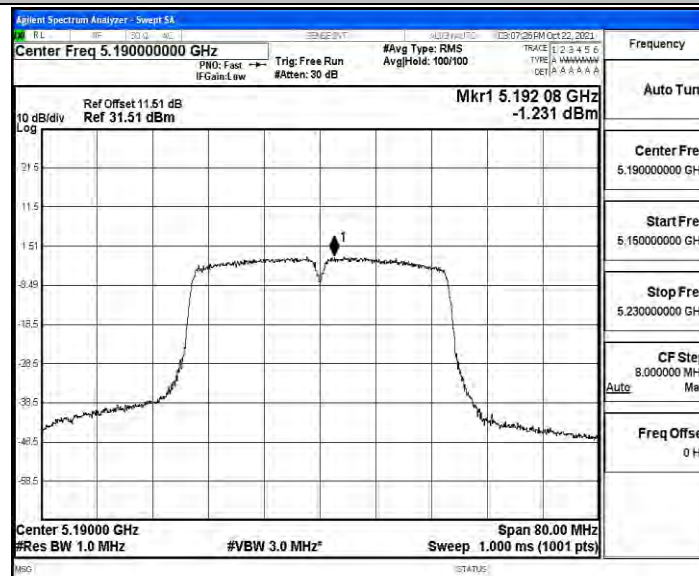




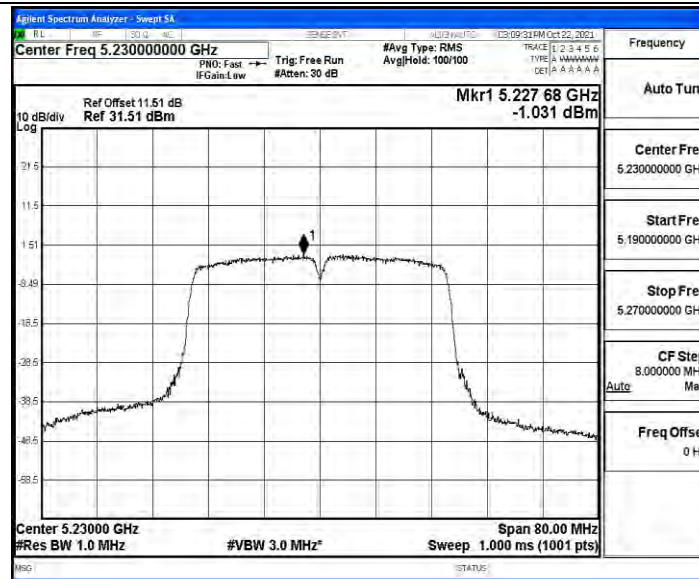
11N20SISO_Ant0_5240



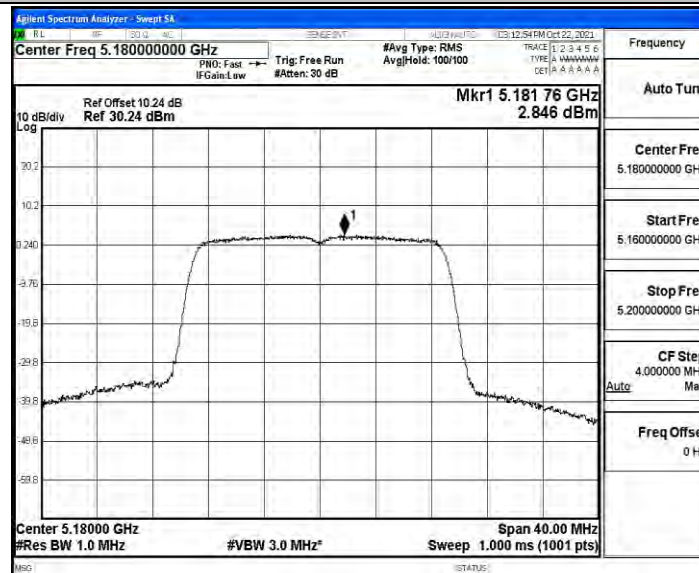
11N40SISO_Ant0_5190



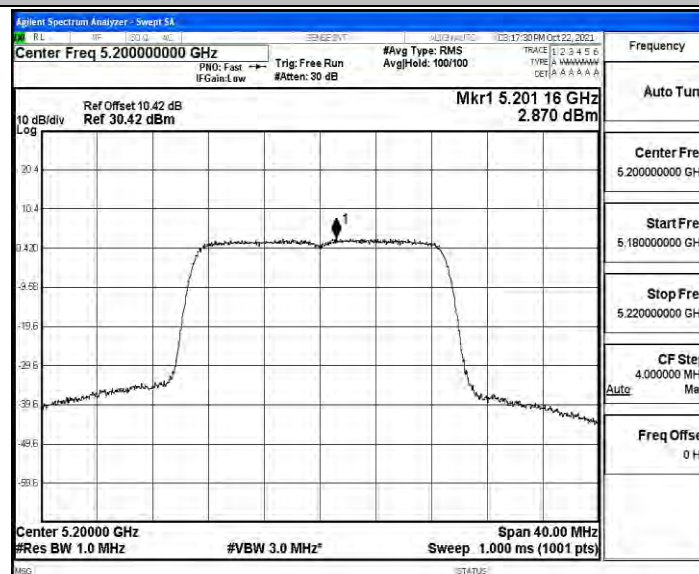
11N40SISO_Ant0_5230



11AC20SISO_Ant0_5180

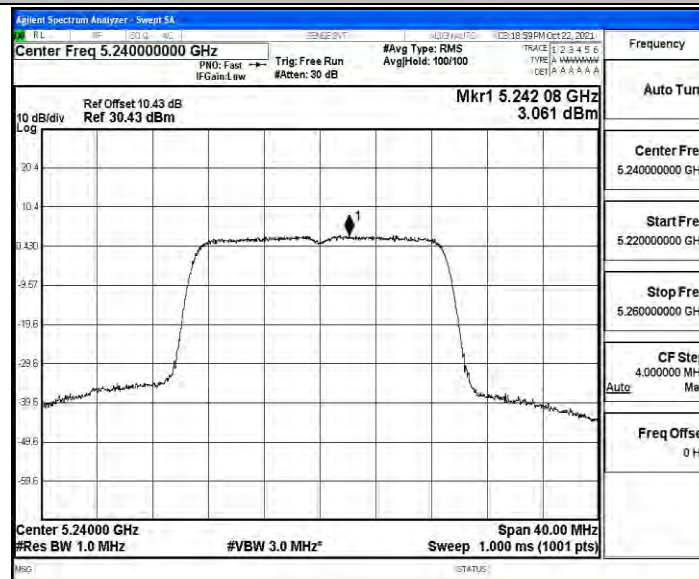


11AC20SISO_Ant0_5200

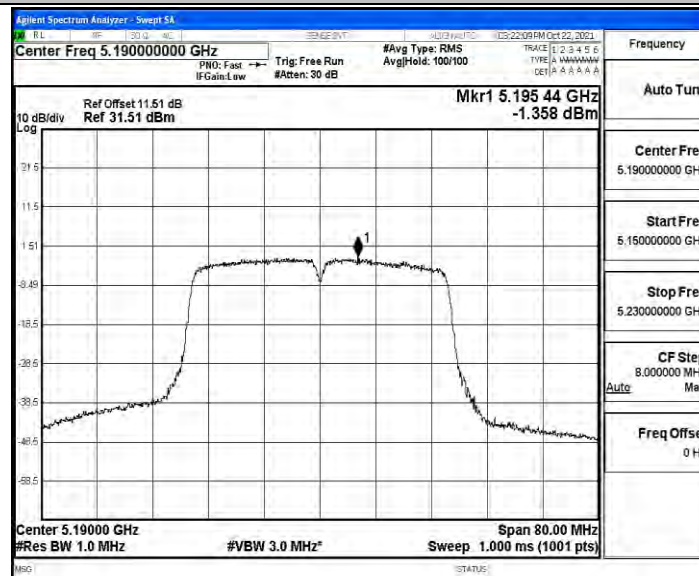




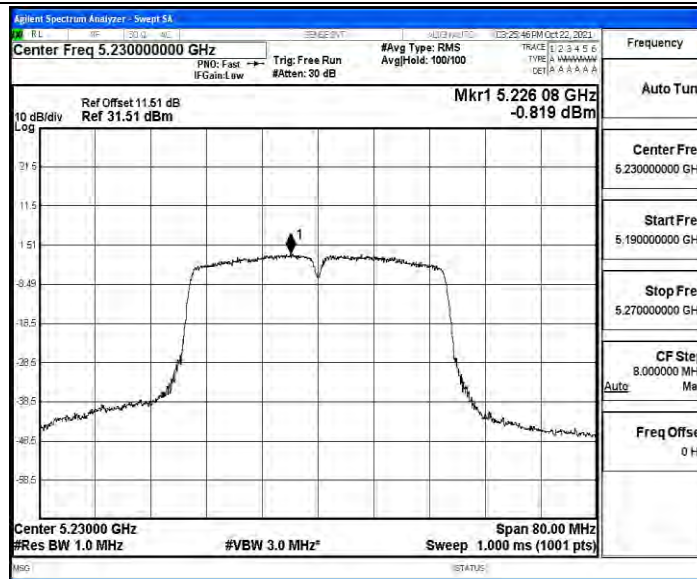
11AC20SISO_Ant0_5240



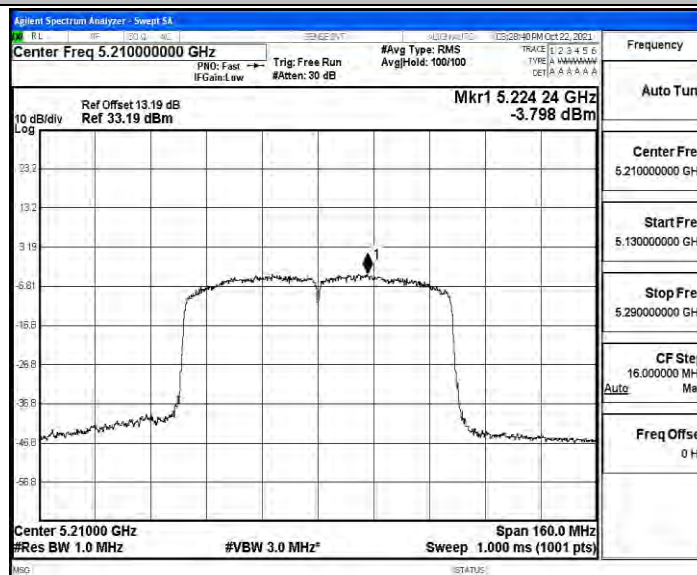
11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230



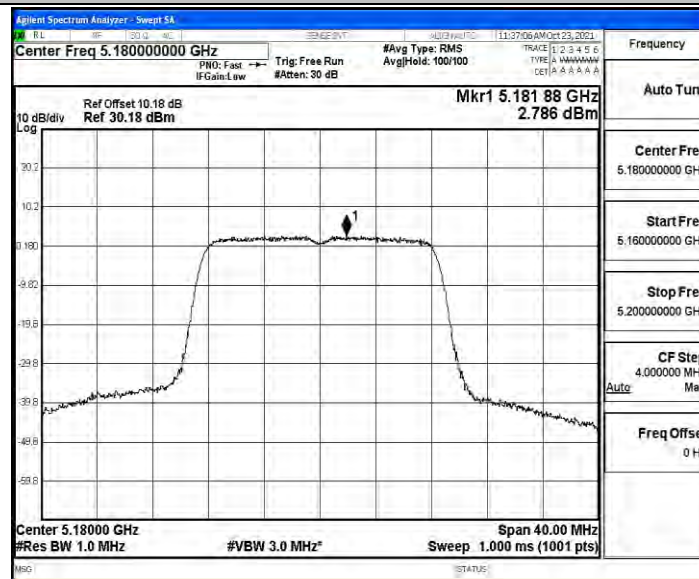
11AC80SISO_Ant0_5210



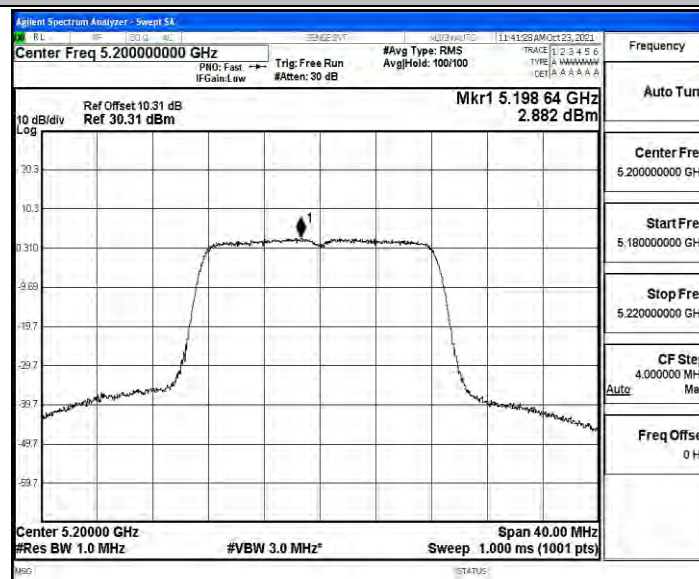


Test Graphs(ANT1)

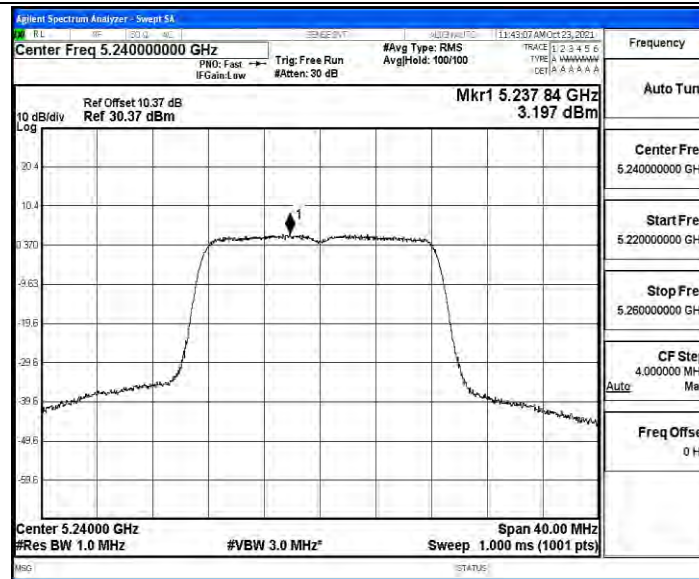
11A_Ant1_5180



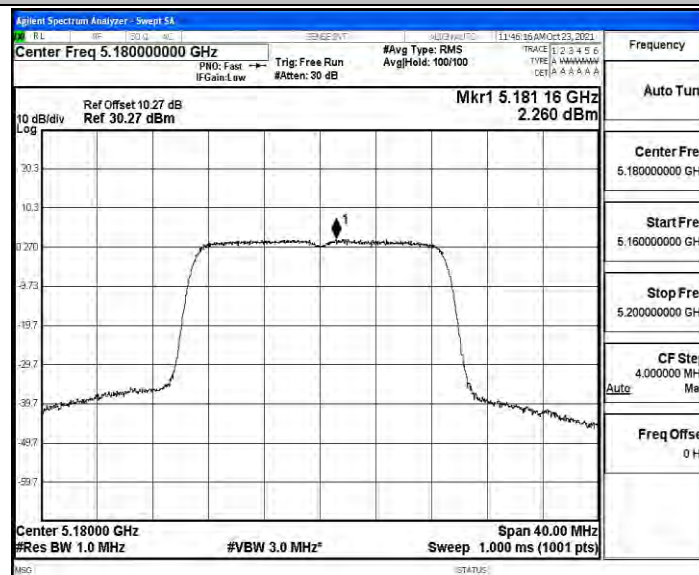
11A_Ant1_5200



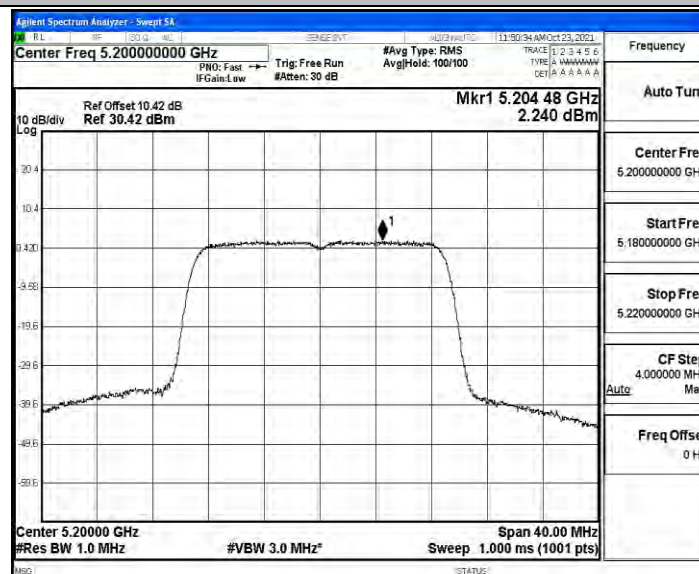
11A_Ant1_5240



11N20SISO_Ant1_5180

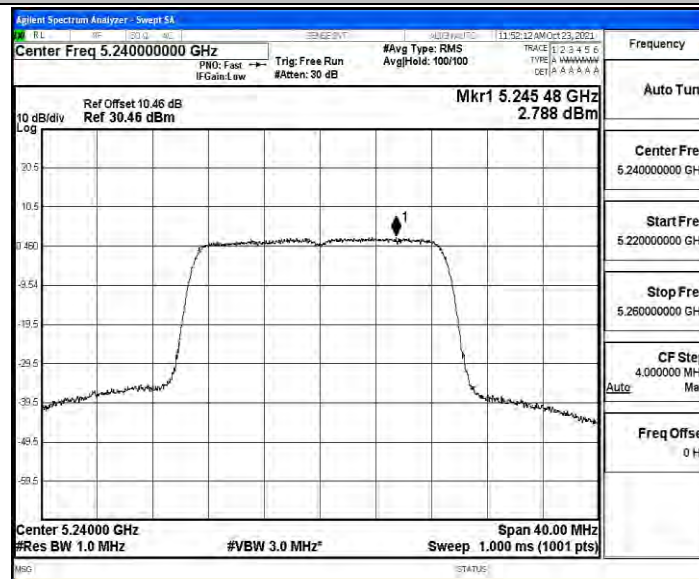


11N20SISO_Ant1_5200

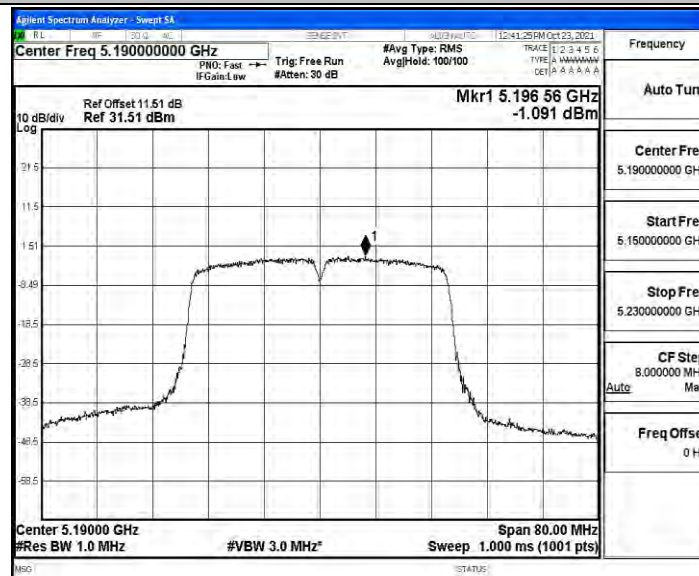




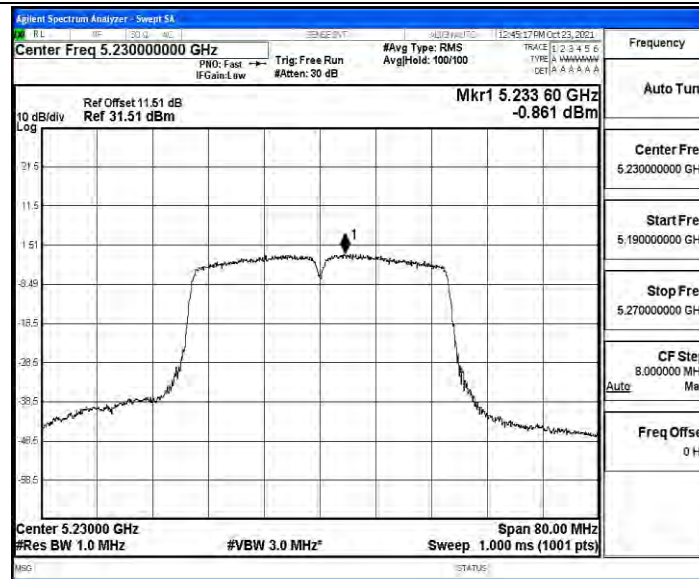
11N20SISO_Ant1_5240



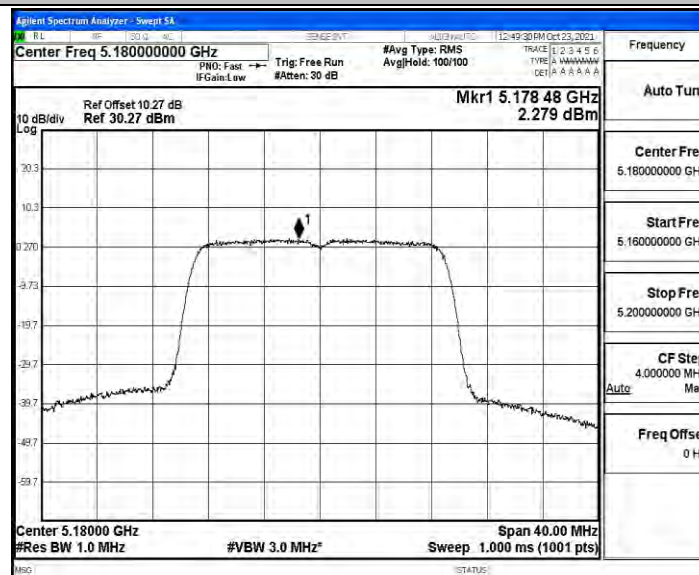
11N40SISO_Ant1_5190



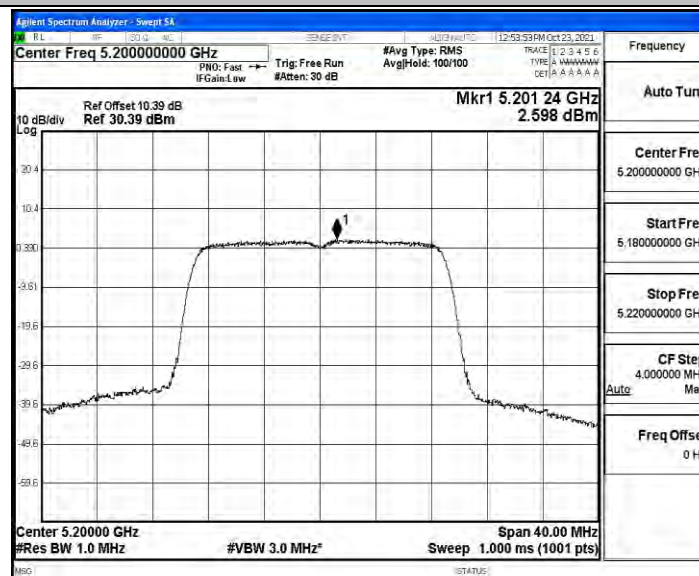
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180

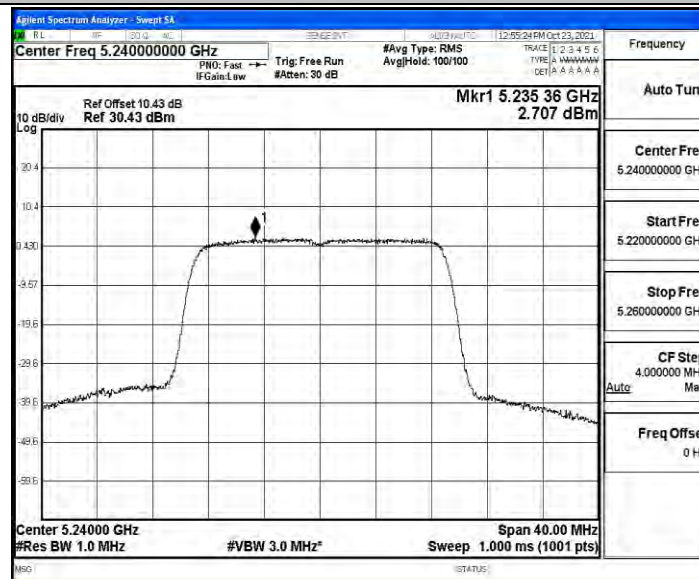


11AC20SISO_Ant1_5200

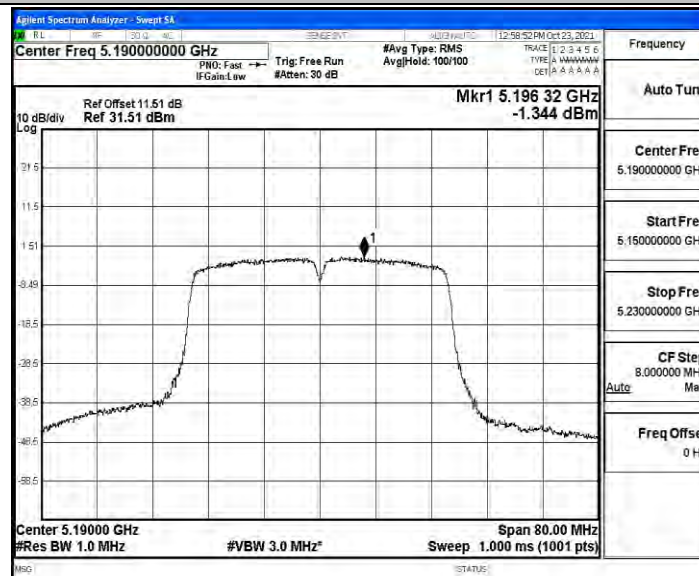




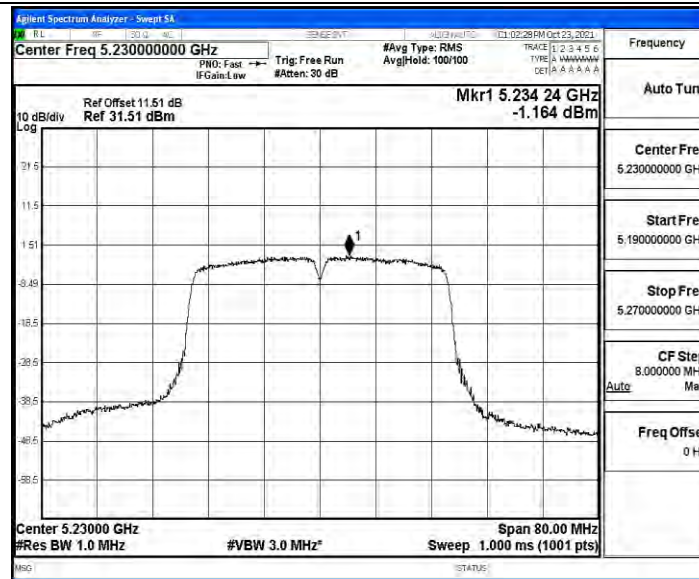
11AC20SISO_Ant1_5240



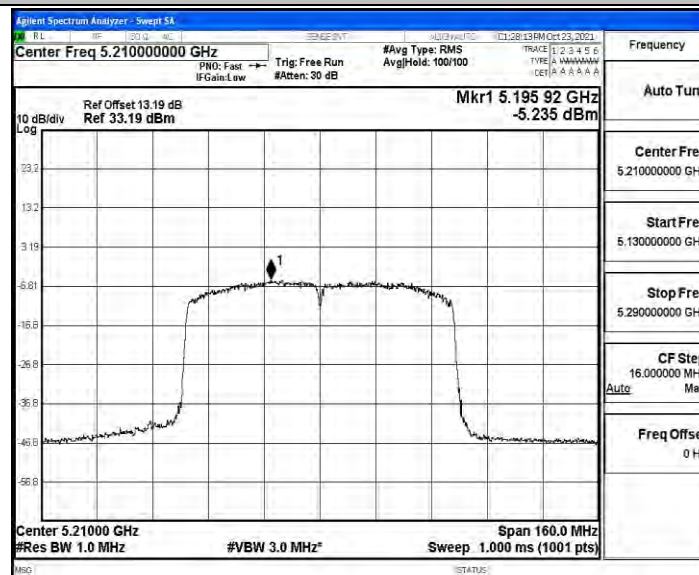
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210





B.4 Emissions in Restricted Bands

Test Result

ANT0

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant0	Low	5180	AV	4500.000	-49.35	45.85	≤54	PASS
				AV	4819.200	-47.19	48.01	≤54	PASS
				AV	5150.000	-47.26	47.94	≤54	PASS
				Peak	4500.000	-41.21	53.99	≤68.2	PASS
				Peak	5101.300	-37.73	57.47	≤68.2	PASS
				Peak	5150.000	-40.17	55.03	≤68.2	PASS
		High	5240	AV	5350.000	-46.56	48.64	≤54	PASS
				AV	5350.080	-46.56	48.64	≤54	PASS
				AV	5460.000	-47.91	47.29	≤54	PASS
				Peak	5350.000	-40.34	54.86	≤68.2	PASS
				Peak	5405.520	-37.18	58.02	≤68.2	PASS
				Peak	5460.000	-40.02	55.18	≤68.2	PASS
11N20SIS O	Ant0	Low	5180	AV	4500.000	-49.34	45.86	≤54	PASS
				AV	5149.600	-46.13	49.07	≤54	PASS
				AV	5150.000	-45.96	49.24	≤54	PASS
				Peak	4500.000	-42.52	52.68	≤68.2	PASS
				Peak	5144.700	-36.58	58.62	≤68.2	PASS
				Peak	5150.000	-36.31	58.89	≤68.2	PASS
		High	5240	AV	5350.000	-46.81	48.39	≤54	PASS
				AV	5401.680	-46.78	48.42	≤54	PASS
				AV	5460.000	-47.79	47.41	≤54	PASS
				Peak	5350.000	-39.44	55.76	≤68.2	PASS
				Peak	5393.520	-37.35	57.85	≤68.2	PASS
				Peak	5460.000	-41.22	53.98	≤68.2	PASS
11N40SIS O	Ant0	Low	5190	AV	4500.000	-49.08	46.12	≤54	PASS
				AV	5149.600	-42.2	53.00	≤54	PASS
				AV	5150.000	-41.5	53.70	≤54	PASS
				Peak	4500.000	-41.52	53.68	≤68.2	PASS
				Peak	5148.900	-32.01	63.19	≤68.2	PASS
				Peak	5150.000	-35.84	59.36	≤68.2	PASS
		High	5230	AV	5350.000	-47.02	48.18	≤54	PASS
				AV	5378.360	-46.9	48.30	≤54	PASS
				AV	5460.000	-47.46	47.74	≤54	PASS
				Peak	5350.000	-42.08	53.12	≤68.2	PASS
				Peak	5357.820	-37.83	57.37	≤68.2	PASS
				Peak	5460.000	-40.33	54.87	≤68.2	PASS



11AC20SI SO	Ant0	Low	5180	AV	4500.000	-49.33	45.87	≤54	PASS
				AV	5149.600	-46.21	48.99	≤54	PASS
				AV	5150.000	-46.21	48.99	≤54	PASS
				Peak	4500.000	-42.21	52.99	≤68.2	PASS
				Peak	5148.900	-37.02	58.18	≤68.2	PASS
				Peak	5150.000	-38.13	57.07	≤68.2	PASS
		High	5240	AV	5350.000	-46.86	48.34	≤54	PASS
				AV	5403.360	-46.83	48.37	≤54	PASS
				AV	5460.000	-47.89	47.31	≤54	PASS
				Peak	5350.000	-40.68	54.52	≤68.2	PASS
				Peak	5353.680	-36.75	58.45	≤68.2	PASS
				Peak	5460.000	-40.63	54.57	≤68.2	PASS
11AC40SI SO	Ant0	Low	5190	AV	4500.000	-49	46.20	≤54	PASS
				AV	5149.600	-42.2	53.00	≤54	PASS
				AV	5150.000	-41.76	53.44	≤54	PASS
				Peak	4500.000	-42.15	53.05	≤68.2	PASS
				Peak	5148.900	-33.4	61.80	≤68.2	PASS
				Peak	5150.000	-34.83	60.37	≤68.2	PASS
		High	5230	AV	5350.000	-47.4	47.80	≤54	PASS
				AV	5374.720	-46.86	48.34	≤54	PASS
				AV	5460.000	-47.52	47.68	≤54	PASS
				Peak	5350.000	-41.34	53.86	≤68.2	PASS
				Peak	5382.520	-38.25	56.95	≤68.2	PASS
				Peak	5460.000	-40.56	54.64	≤68.2	PASS
11AC80SI SO	Ant0	Low	5210	AV	4500.000	-48.6	46.60	≤54	PASS
				AV	5149.500	-43.13	52.07	≤54	PASS
				AV	5150.000	-43.38	51.82	≤54	PASS
				Peak	4500.000	-42.71	52.49	≤68.2	PASS
				Peak	5134.500	-35.4	59.80	≤68.2	PASS
				Peak	5150.000	-37	58.20	≤68.2	PASS
		High	5210	AV	5350.000	-47.15	48.05	≤54	PASS
				AV	5351.360	-46.49	48.71	≤54	PASS
				AV	5460.000	-47.11	48.09	≤54	PASS
				Peak	5350.000	-39.07	56.13	≤68.2	PASS
				Peak	5374.040	-38.14	57.06	≤68.2	PASS
				Peak	5460.000	-40.43	54.77	≤68.2	PASS



ANT1

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	Low	5180	AV	4500.000	-49.27	45.93	≤54	PASS
				AV	5106.200	-46.9	48.30	≤54	PASS
				AV	5150.000	-47	48.20	≤54	PASS
				Peak	4500.000	-41.8	53.40	≤68.2	PASS
				Peak	4916.500	-36.87	58.33	≤68.2	PASS
				Peak	5150.000	-39.99	55.21	≤68.2	PASS
		High	5240	AV	5350.000	-46.87	48.33	≤54	PASS
				AV	5350.320	-46.77	48.43	≤54	PASS
				AV	5460.000	-47.97	47.23	≤54	PASS
				Peak	5350.000	-40.98	54.22	≤68.2	PASS
				Peak	5407.200	-37.25	57.95	≤68.2	PASS
				Peak	5460.000	-41.8	53.40	≤68.2	PASS
11N20SIS O	Ant1	Low	5180	AV	4500.000	-49.26	45.94	≤54	PASS
				AV	5149.600	-46.73	48.47	≤54	PASS
				AV	5150.000	-46.58	48.62	≤54	PASS
				Peak	4500.000	-41.92	53.28	≤68.2	PASS
				Peak	5146.100	-38	57.20	≤68.2	PASS
				Peak	5150.000	-41.17	54.03	≤68.2	PASS
		High	5240	AV	5350.000	-46.92	48.28	≤54	PASS
				AV	5350.800	-46.88	48.32	≤54	PASS
				AV	5460.000	-48	47.20	≤54	PASS
				Peak	5350.000	-40.22	54.98	≤68.2	PASS
				Peak	5388.960	-37.53	57.67	≤68.2	PASS
				Peak	5460.000	-41.78	53.42	≤68.2	PASS
11N40SIS O	Ant1	Low	5190	AV	4500.000	-49.07	46.13	≤54	PASS
				AV	5149.600	-42.29	52.91	≤54	PASS
				AV	5150.000	-41.76	53.44	≤54	PASS
				Peak	4500.000	-41.69	53.51	≤68.2	PASS
				Peak	5148.200	-32.42	62.78	≤68.2	PASS
				Peak	5150.000	-34.56	60.64	≤68.2	PASS
		High	5230	AV	5350.000	-47.12	48.08	≤54	PASS
				AV	5353.400	-46.89	48.31	≤54	PASS
				AV	5460.000	-47.19	48.01	≤54	PASS
				Peak	5350.000	-40.59	54.61	≤68.2	PASS
				Peak	5377.060	-37.47	57.73	≤68.2	PASS
				Peak	5460.000	-39.27	55.93	≤68.2	PASS
11AC20SI SO	Ant1	Low	5180	AV	4500.000	-49.34	45.86	≤54	PASS
				AV	5149.600	-46.81	48.39	≤54	PASS
				AV	5150.000	-46.63	48.57	≤54	PASS
				Peak	4500.000	-41.94	53.26	≤68.2	PASS



		High	5240	Peak	4846.500	-36.71	58.49	≤68.2	PASS
				Peak	5150.000	-39.06	56.14	≤68.2	PASS
				AV	5350.000	-47.08	48.12	≤54	PASS
				AV	5352.000	-46.91	48.29	≤54	PASS
				AV	5460.000	-47.8	47.40	≤54	PASS
				Peak	5350.000	-39.95	55.25	≤68.2	PASS
				Peak	5375.040	-37.6	57.60	≤68.2	PASS
				Peak	5460.000	-41.09	54.11	≤68.2	PASS
11AC40SI SO	Ant1	Low	5190	AV	4500.000	-48.94	46.26	≤54	PASS
				AV	5149.600	-42.09	53.11	≤54	PASS
				AV	5150.000	-41.54	53.66	≤54	PASS
				Peak	4500.000	-40.74	54.46	≤68.2	PASS
				Peak	5148.900	-34.08	61.12	≤68.2	PASS
				Peak	5150.000	-34.31	60.89	≤68.2	PASS
		High	5230	AV	5350.000	-47.29	47.91	≤54	PASS
				AV	5381.480	-46.92	48.28	≤54	PASS
				AV	5460.000	-47.05	48.15	≤54	PASS
				Peak	5350.000	-39.1	56.10	≤68.2	PASS
				Peak	5360.680	-37.54	57.66	≤68.2	PASS
				Peak	5460.000	-39.97	55.23	≤68.2	PASS
11AC80SI SO	Ant1	Low	5210	AV	4500.000	-48.69	46.51	≤54	PASS
				AV	5149.500	-41.85	53.35	≤54	PASS
				AV	5150.000	-42.35	52.85	≤54	PASS
				Peak	4500.000	-40.15	55.05	≤68.2	PASS
				Peak	5146.500	-32.69	62.51	≤68.2	PASS
				Peak	5150.000	-35.17	60.03	≤68.2	PASS
		High	5210	AV	5350.000	-46.88	48.32	≤54	PASS
				AV	5369.840	-46.25	48.95	≤54	PASS
				AV	5460.000	-47.45	47.75	≤54	PASS
				Peak	5350.000	-39.84	55.36	≤68.2	PASS
				Peak	5393.640	-37.33	57.87	≤68.2	PASS
				Peak	5460.000	-38.68	56.52	≤68.2	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.



ANT0+ANT1

TestMode	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]-A NT0	Result [dBm]-A NT1	ANT0+A NT1 [dBuV/m]	Limit [dBuV/m]	Verdict
11N20MI MO	Low	5180	AV	4500.000	-49.34	-49.26	48.94	≤54	PASS
			AV	5149.600	-46.13	-46.73	51.82	≤54	PASS
			AV	5150.000	-45.96	-46.58	51.98	≤54	PASS
			Peak	4500.000	-42.52	-41.92	56.03	≤68.2	PASS
			Peak	5146.100	-36.58	-38	61.01	≤68.2	PASS
			Peak	5150.000	-36.31	-41.17	60.14	≤68.2	PASS
	High	5240	AV	5350.000	-46.81	-46.92	51.37	≤54	PASS
			AV	5350.800	-46.78	-46.88	51.41	≤54	PASS
			AV	5460.000	-47.79	-48	50.34	≤54	PASS
			Peak	5350.000	-39.44	-40.22	58.43	≤68.2	PASS
			Peak	5388.960	-37.35	-37.53	60.80	≤68.2	PASS
			Peak	5460.000	-41.22	-41.78	56.75	≤68.2	PASS
11N40MI MO	Low	5190	AV	4500.000	-49.08	-49.07	49.16	≤54	PASS
			AV	5149.600	-44.3	-46.3	53.05	≤54	PASS
			AV	5150.000	-45.6	-46.3	52.30	≤54	PASS
			Peak	4500.000	-41.52	-41.69	56.63	≤68.2	PASS
			Peak	5148.200	-32.01	-32.42	66.03	≤68.2	PASS
			Peak	5150.000	-35.84	-34.56	63.08	≤68.2	PASS
	High	5230	AV	5350.000	-47.02	-47.12	51.17	≤54	PASS
			AV	5353.400	-46.9	-46.89	51.34	≤54	PASS
			AV	5460.000	-47.46	-47.19	50.91	≤54	PASS
			Peak	5350.000	-42.08	-40.59	56.97	≤68.2	PASS
			Peak	5377.060	-37.83	-37.47	60.59	≤68.2	PASS
			Peak	5460.000	-40.33	-39.27	58.47	≤68.2	PASS
11AC20M IMO	Low	5180	AV	4500.000	-49.33	-49.34	48.90	≤54	PASS
			AV	5149.600	-46.21	-46.81	51.74	≤54	PASS
			AV	5150.000	-46.21	-46.63	51.82	≤54	PASS
			Peak	4500.000	-42.21	-41.94	56.16	≤68.2	PASS
			Peak	4846.500	-37.02	-36.71	61.38	≤68.2	PASS
			Peak	5150.000	-38.13	-39.06	59.67	≤68.2	PASS
	High	5240	AV	5350.000	-46.86	-47.08	51.27	≤54	PASS
			AV	5352.000	-46.83	-46.91	51.37	≤54	PASS
			AV	5460.000	-47.89	-47.8	50.39	≤54	PASS
			Peak	5350.000	-40.68	-39.95	57.94	≤68.2	PASS
			Peak	5375.040	-36.75	-37.6	61.08	≤68.2	PASS
			Peak	5460.000	-40.63	-41.09	57.38	≤68.2	PASS

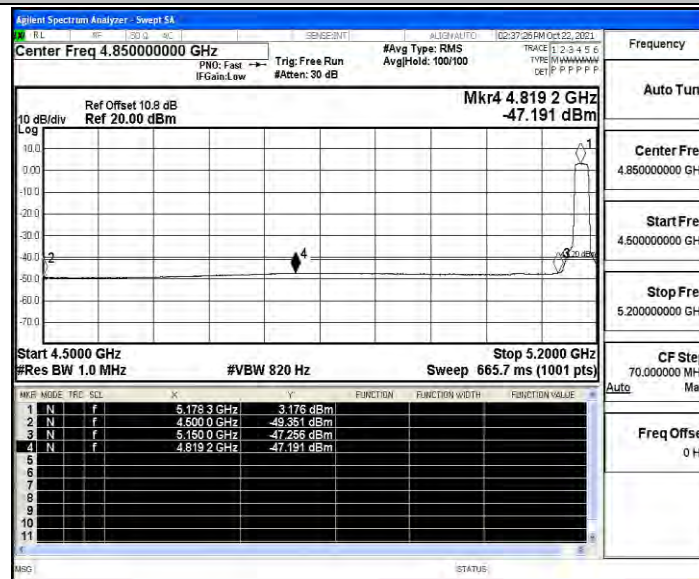


11AC40M IMO	Low	5190	AV	4500.000	-49	-48.94	49.27	≤ 54	PASS
			AV	5149.600	-46.31	-45.32	52.45	≤ 54	PASS
			AV	5150.000	-46.32	-46.63	51.77	≤ 54	PASS
			Peak	4500.000	-42.15	-40.74	56.85	≤ 68.2	PASS
			Peak	5148.900	-33.4	-34.08	64.51	≤ 68.2	PASS
			Peak	5150.000	-34.83	-34.31	63.68	≤ 68.2	PASS
	High	5230	AV	5350.000	-47.4	-47.29	50.89	≤ 54	PASS
			AV	5381.480	-46.86	-46.92	51.35	≤ 54	PASS
			AV	5460.000	-47.52	-47.05	50.96	≤ 54	PASS
			Peak	5350.000	-41.34	-39.1	58.16	≤ 68.2	PASS
			Peak	5360.680	-38.25	-37.54	60.36	≤ 68.2	PASS
			Peak	5460.000	-40.56	-39.97	57.98	≤ 68.2	PASS
11AC80M IMO	Low	5210	AV	4500.000	-48.6	-48.69	49.59	≤ 54	PASS
			AV	5149.500	-46.32	-45.32	52.45	≤ 54	PASS
			AV	5150.000	-45.63	-45.32	52.77	≤ 54	PASS
			Peak	4500.000	-42.71	-40.15	56.99	≤ 68.2	PASS
			Peak	5146.500	-35.4	-32.69	64.40	≤ 68.2	PASS
			Peak	5150.000	-37	-35.17	62.25	≤ 68.2	PASS
	High	5210	AV	5350.000	-47.15	-46.88	51.22	≤ 54	PASS
			AV	5369.840	-46.49	-46.25	51.87	≤ 54	PASS
			AV	5460.000	-47.11	-47.45	50.96	≤ 54	PASS
			Peak	5350.000	-39.07	-39.84	58.80	≤ 68.2	PASS
			Peak	5393.640	-38.14	-37.33	60.52	≤ 68.2	PASS
			Peak	5460.000	-40.43	-38.68	58.77	≤ 68.2	PASS

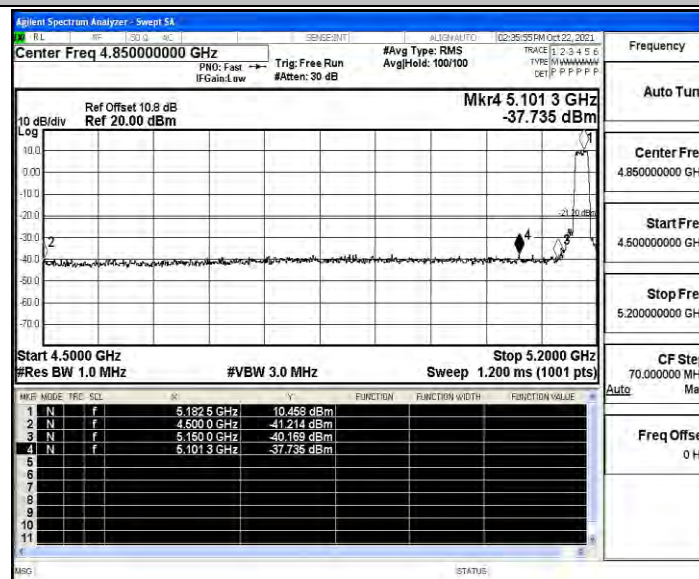


Test Graphs

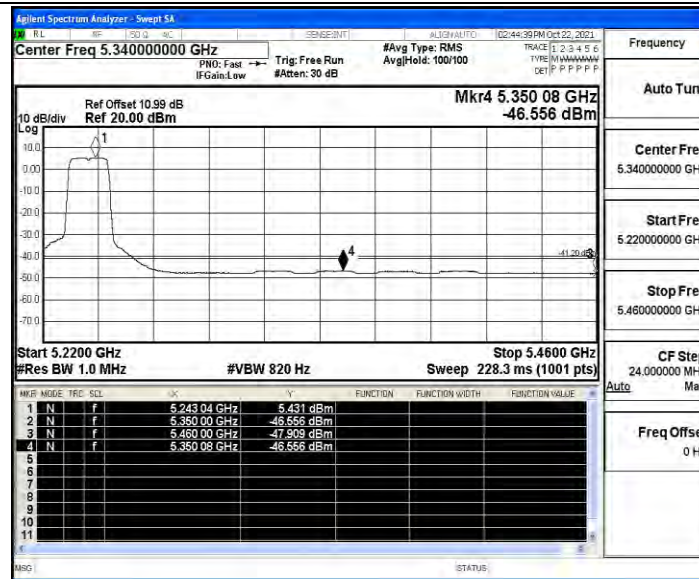
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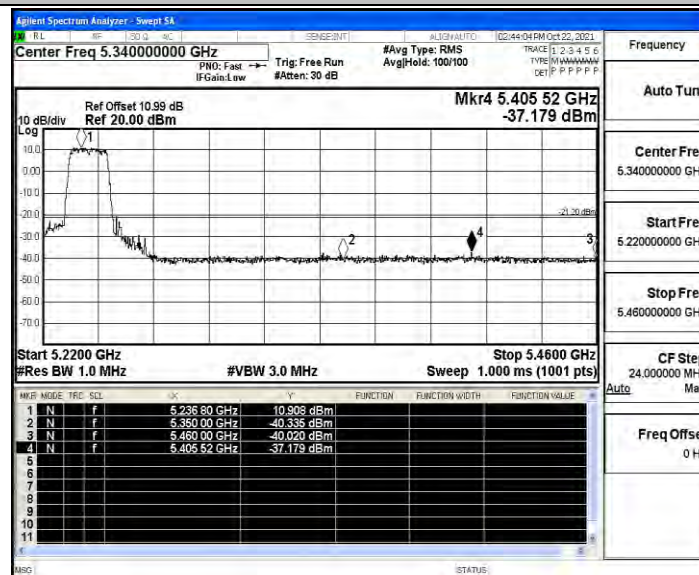
11A_Ant0_Low_5180_Peak



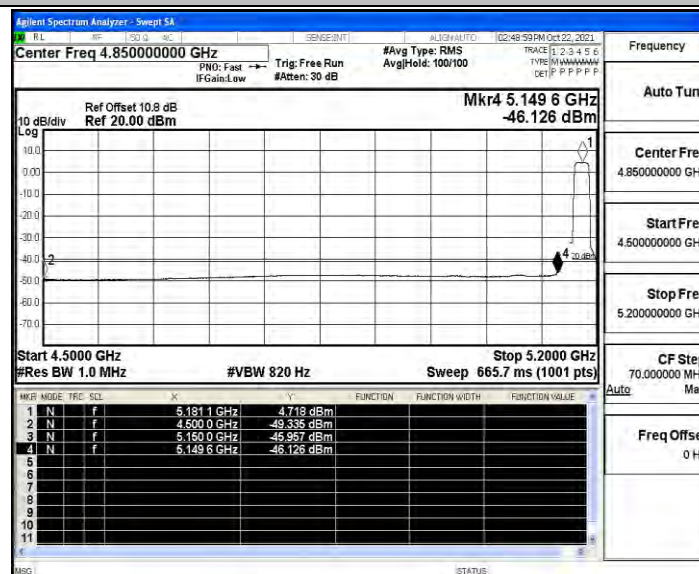
11A_Ant0_High_5240_AV



11A_Ant0_High_5240_Peak

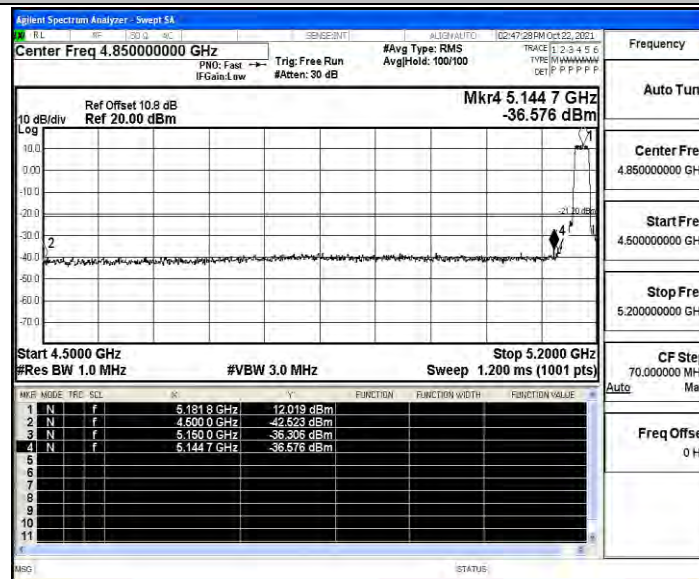


11N20SISO_Ant0_Low_5180_AV

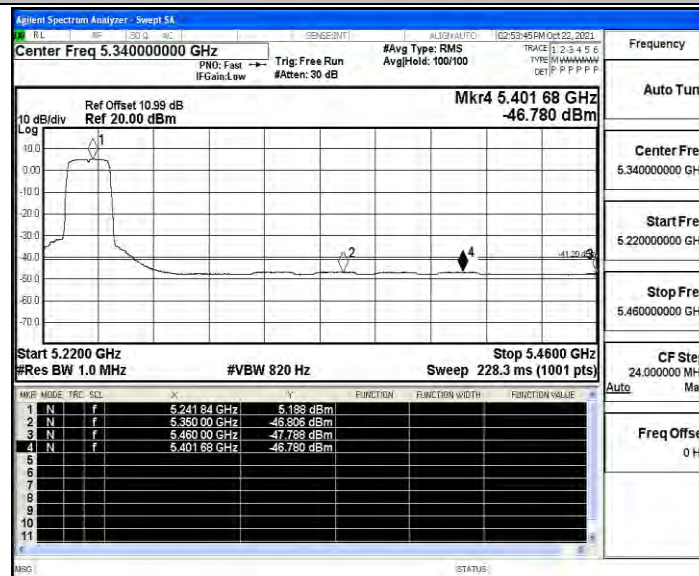




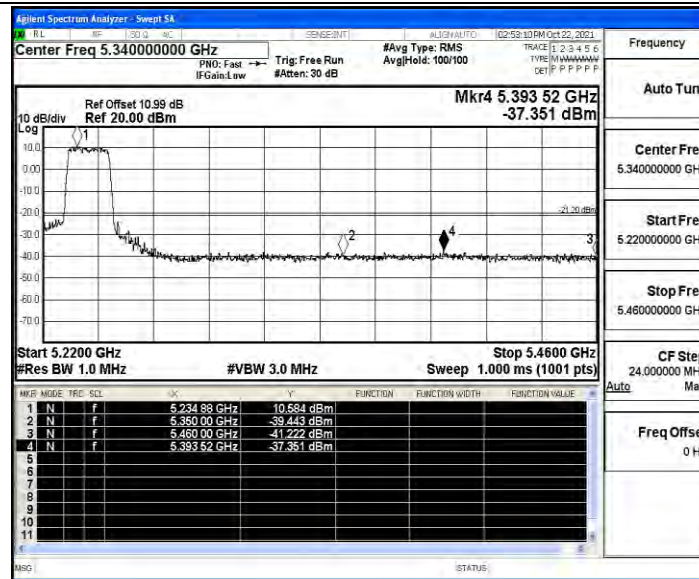
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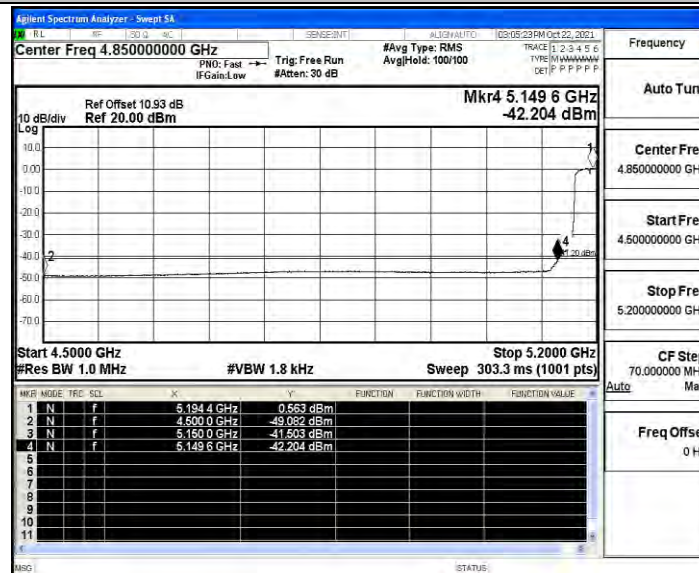
11N20SISO_Ant0_High_5240_AV



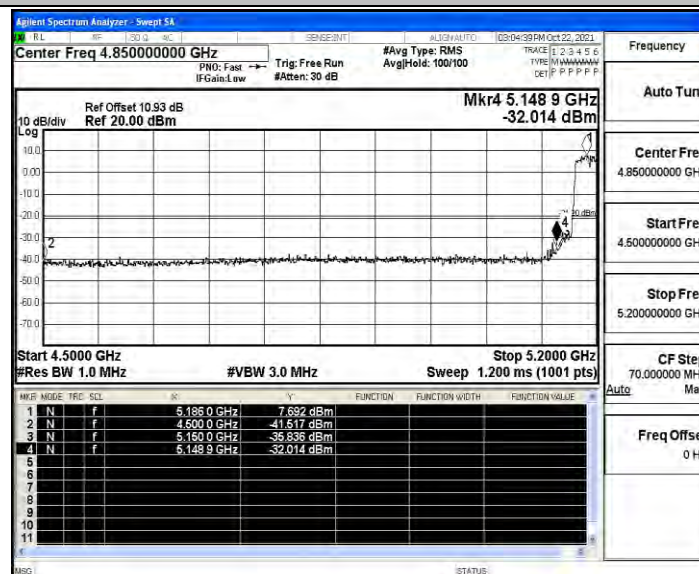
11N20SISO_Ant0_High_5240_Peak



11N40SISO_Ant0_Low_5190_AV

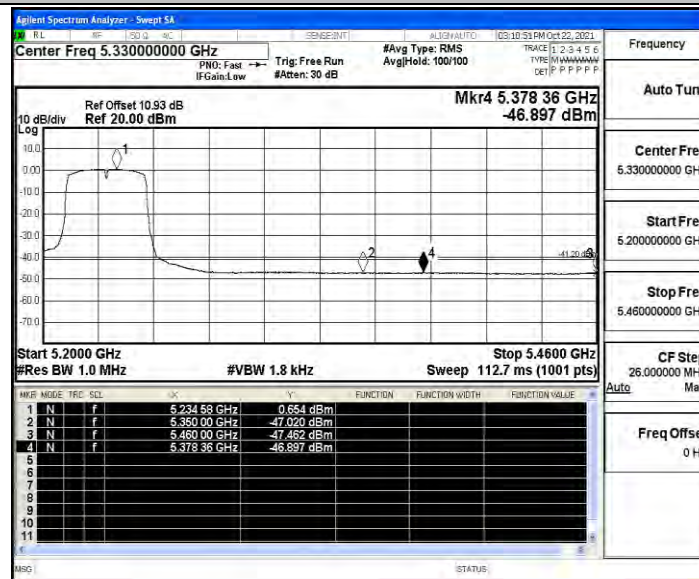


11N40SISO_Ant0_Low_5190_Peak

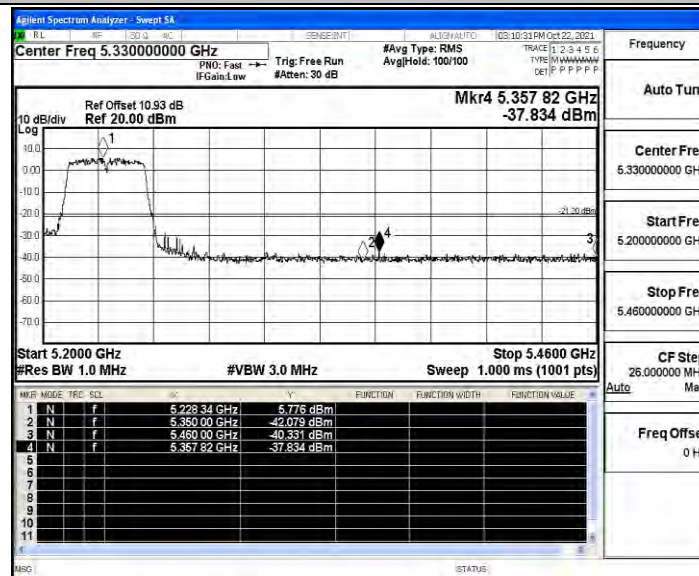




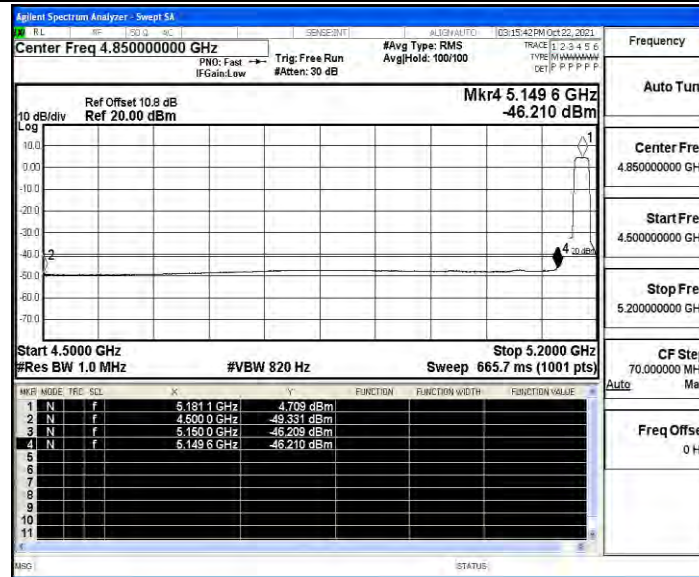
11N40SISO_Ant0_High_5230_AV



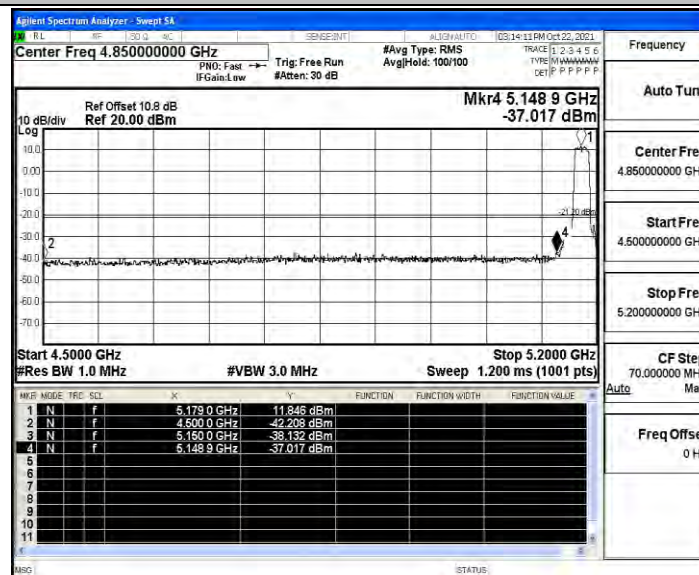
11N40SISO_Ant0_High_5230_Peak



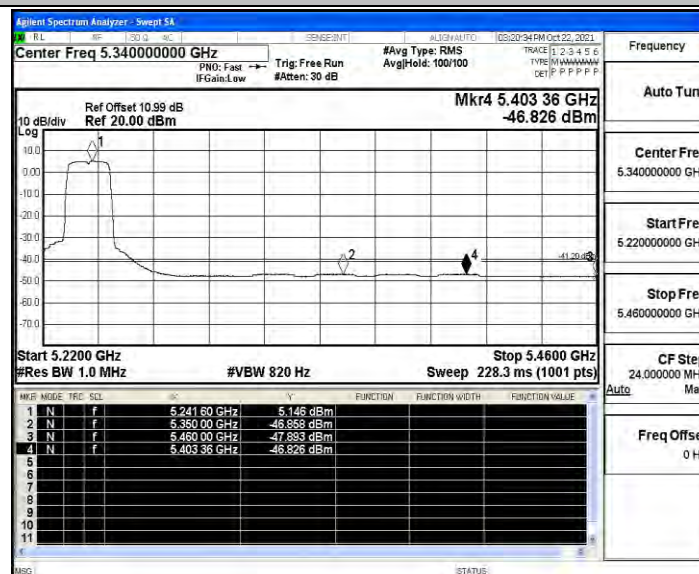
11AC20SISO_Ant0_Low_5180_AV



11AC20SISO_Ant0_Low_5180_Peak

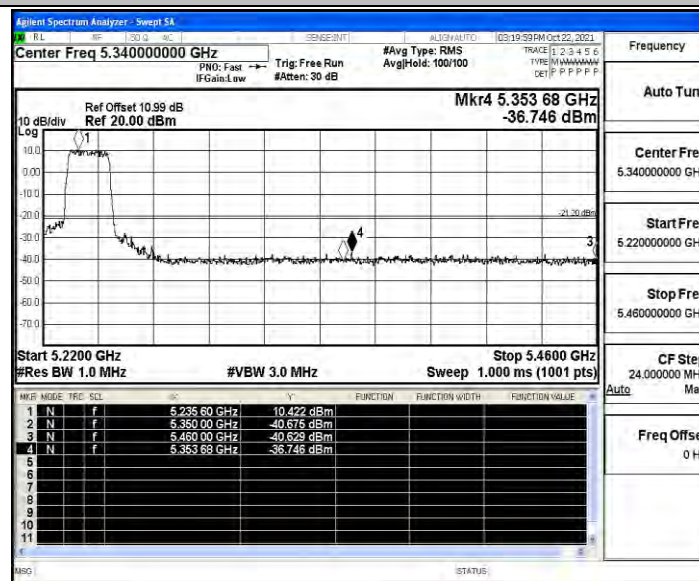


11AC20SISO_Ant0_High_5240_AV

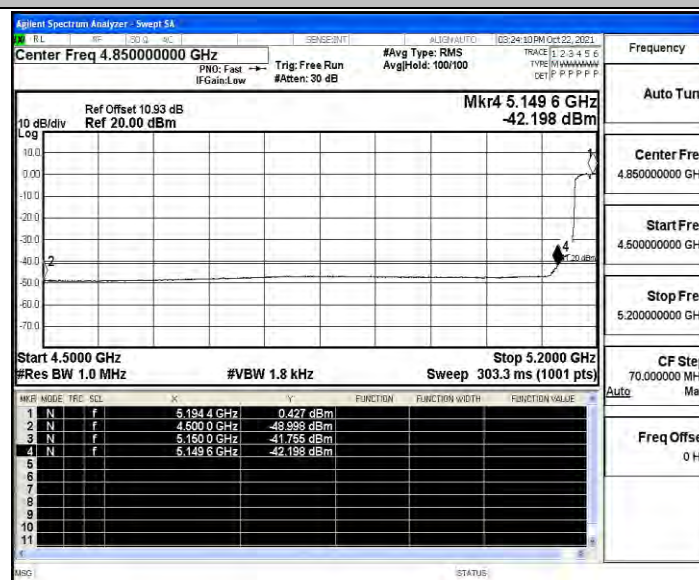




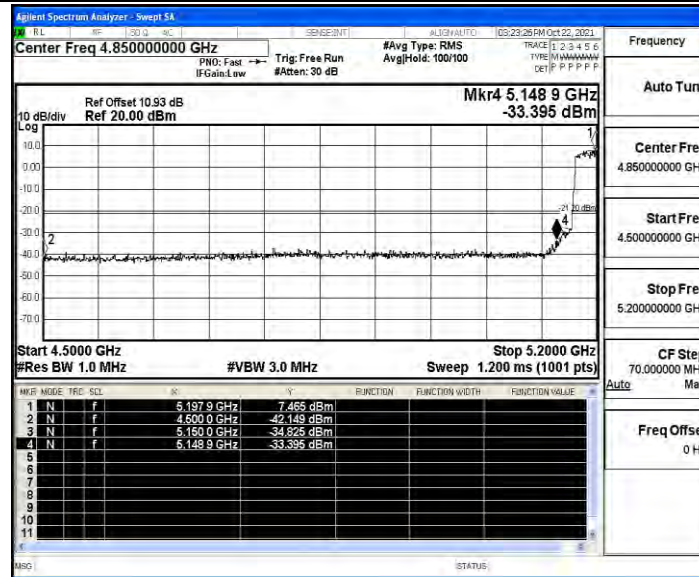
11AC20SISO_Ant0_High_5240_Peak



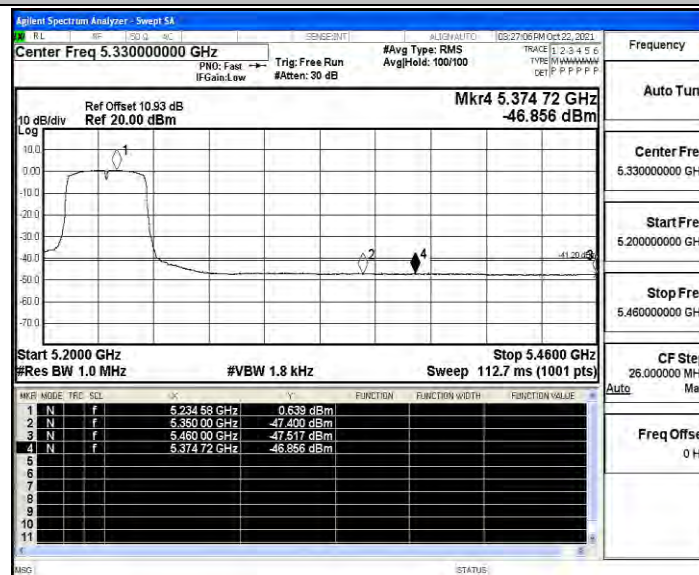
11AC40SISO_Ant0_Low_5190_AV



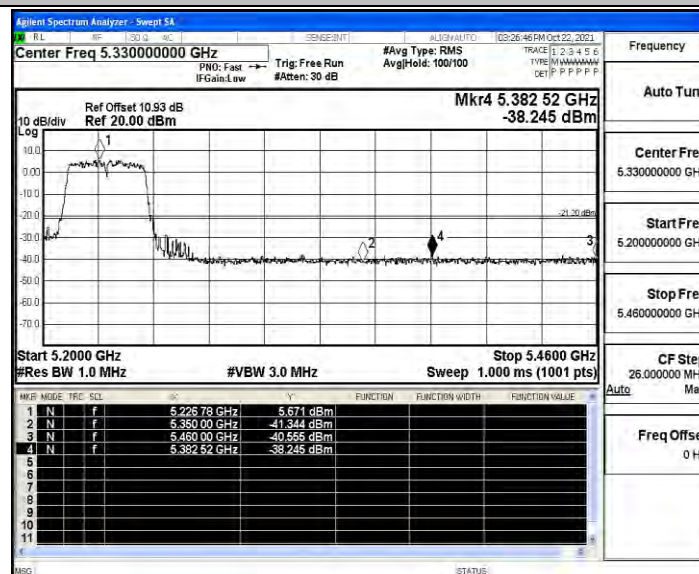
11AC40SISO_Ant0_Low_5190_Peak



11AC40SISO_Ant0_High_5230_AV

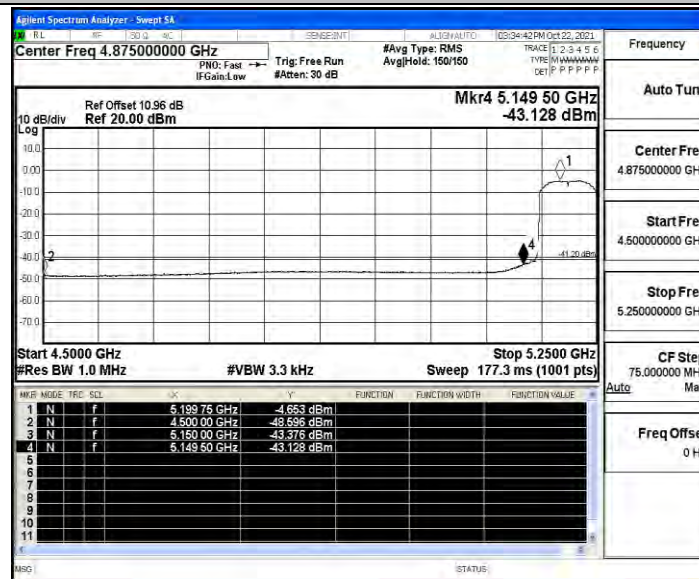


11AC40SISO_Ant0_High_5230_Peak

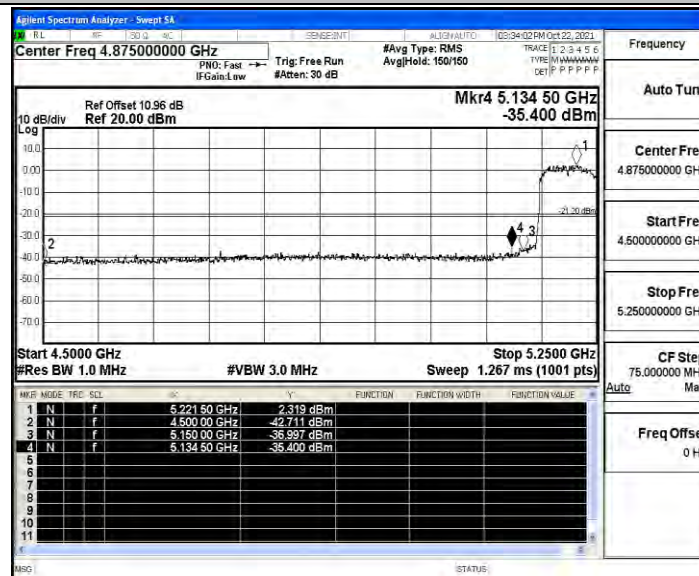




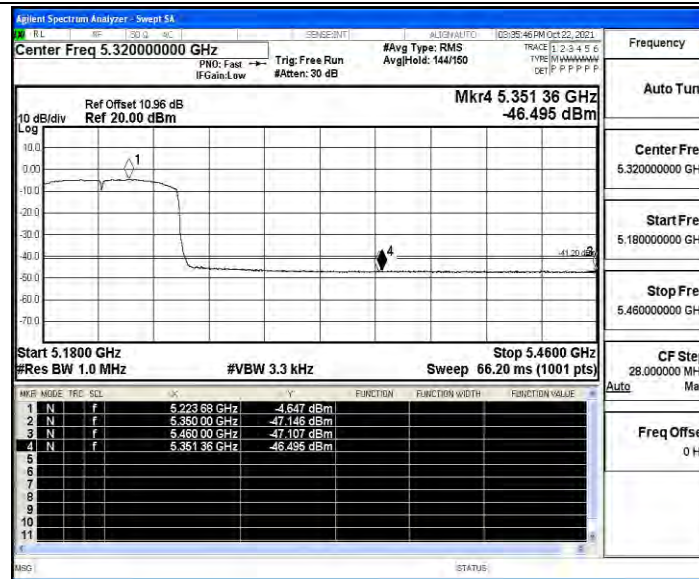
11AC80SISO_Ant0_Low_5210_AV



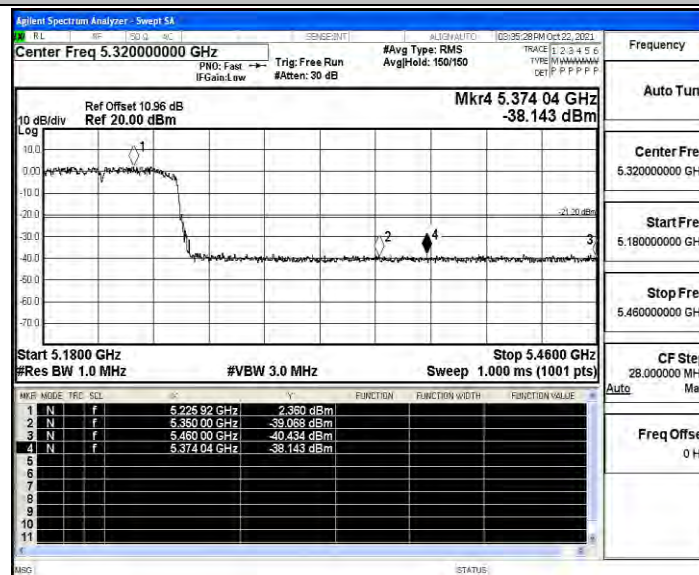
11AC80SISO_Ant0_Low_5210_Peak



11AC80SISO_Ant0_High_5210_AV



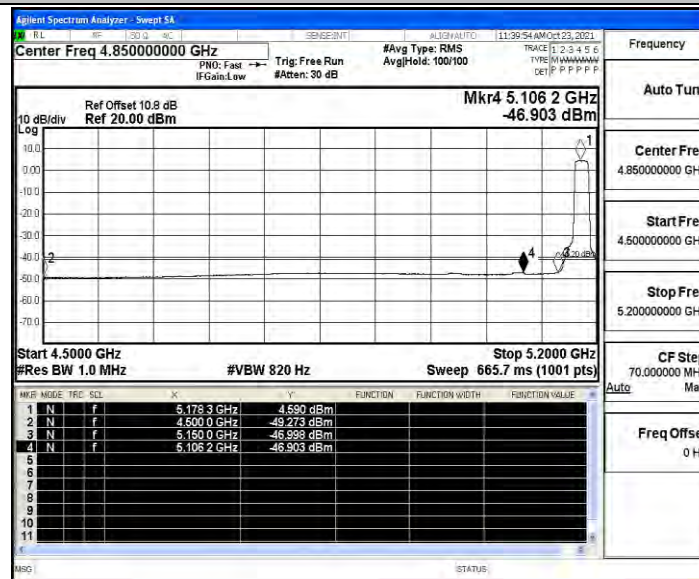
11AC80SISO_Ant0_High_5210_Peak



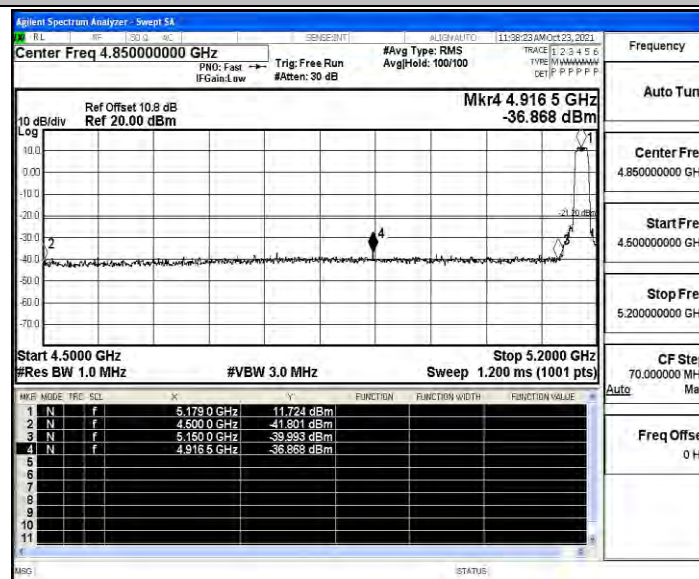


Test Graphs

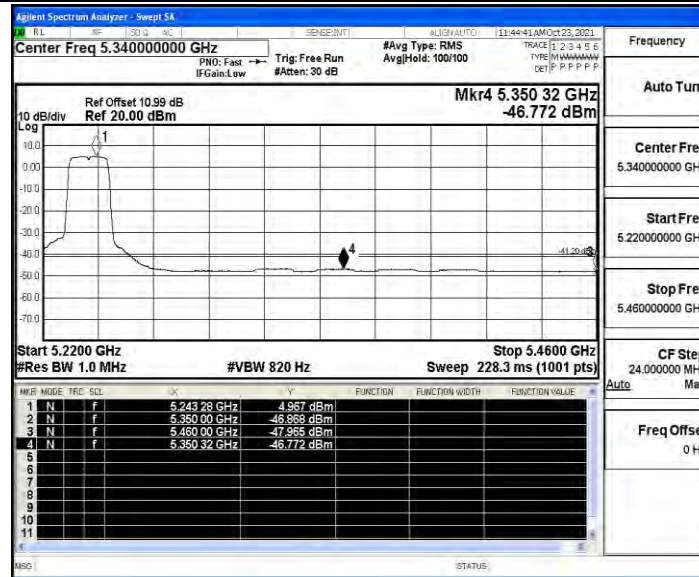
11A_Ant1_Low_5180_AV



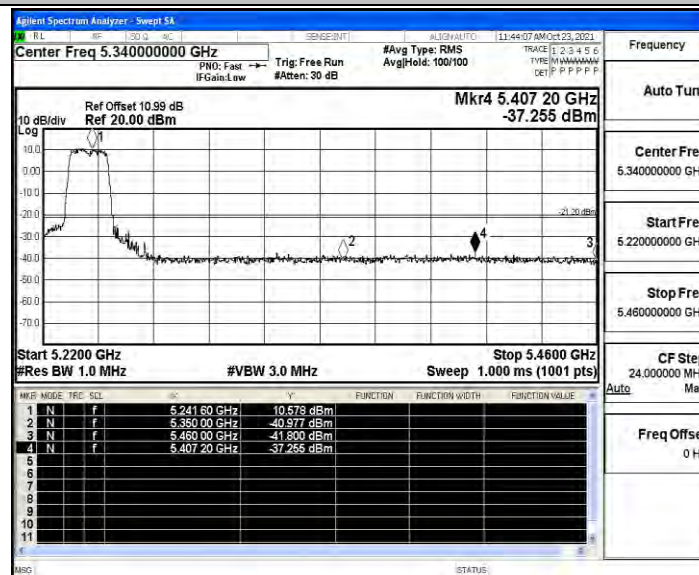
11A_Ant1_Low_5180_Peak



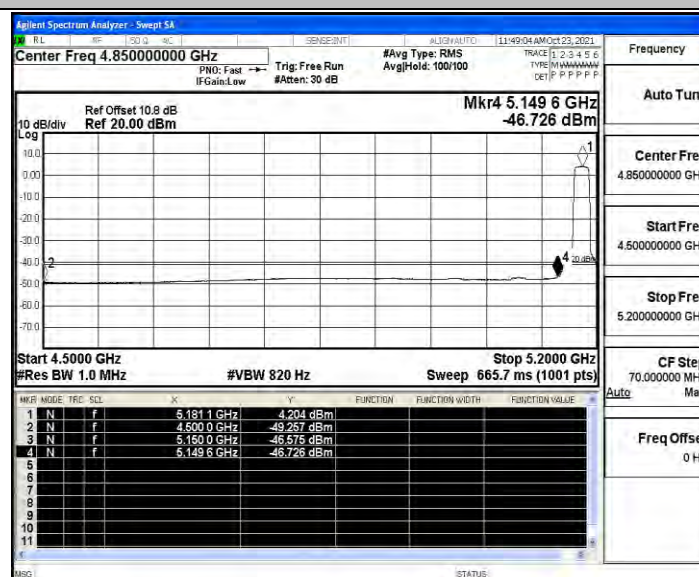
11A_Ant1_High_5240_AV



11A_Ant1_High_5240_Peak

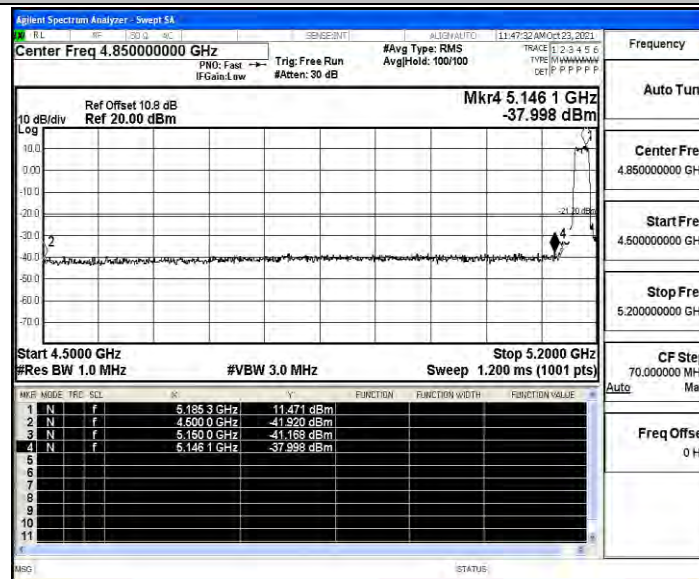


11N20SISO_Ant1_Low_5180_AV

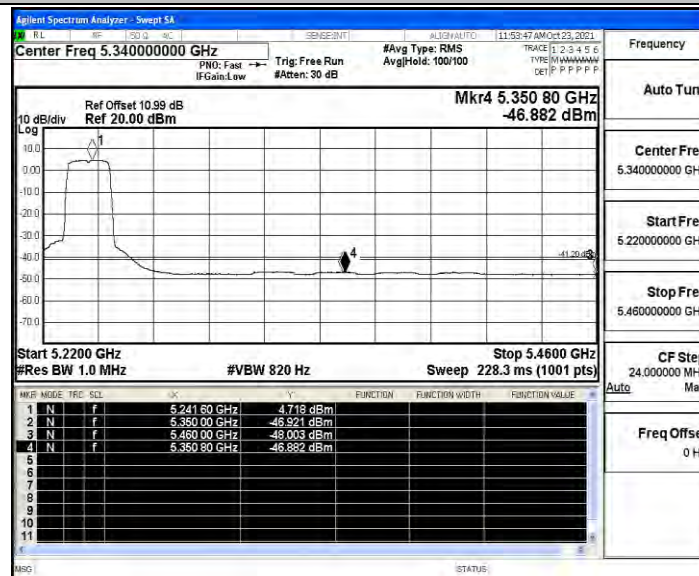




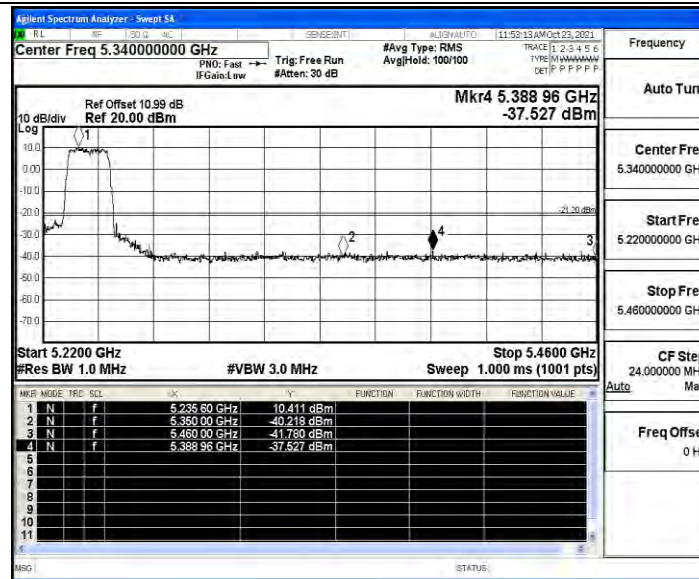
11N20SISO_Ant1_Low_5180_Peak



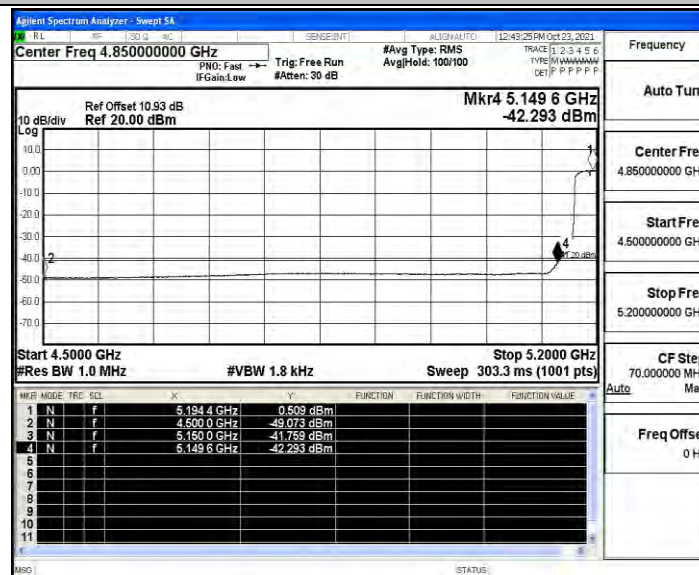
11N20SISO_Ant1_High_5240_AV



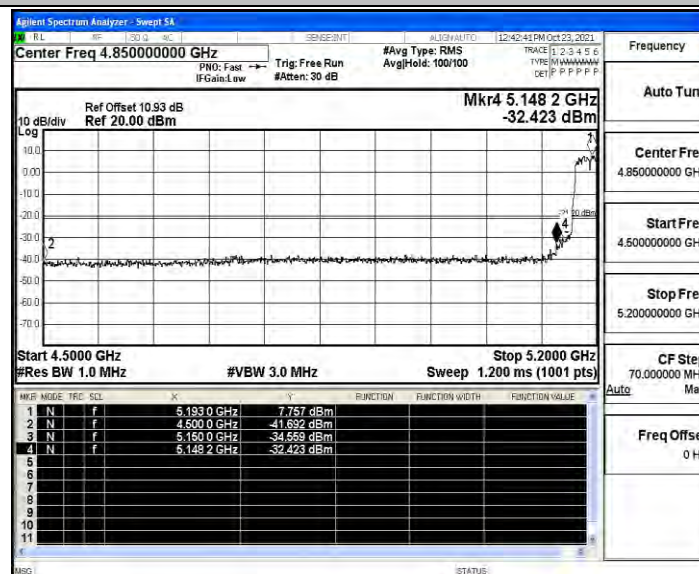
11N20SISO_Ant1_High_5240_Peak



11N40SISO_Ant1_Low_5190_AV

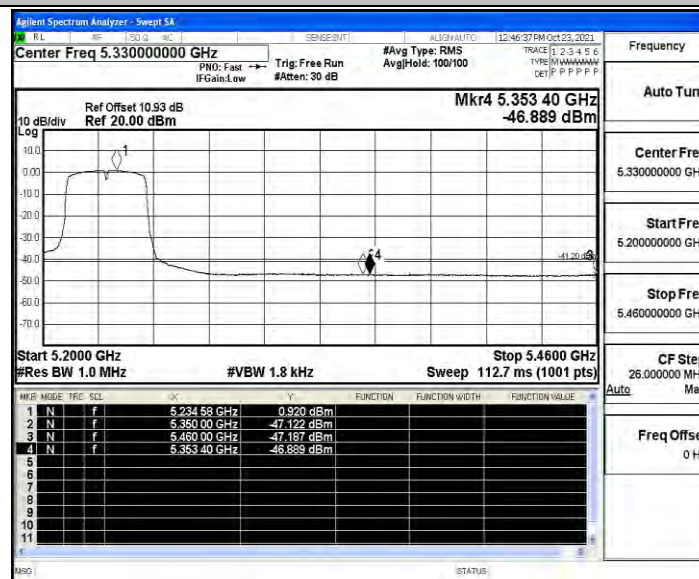


11N40SISO_Ant1_Low_5190_Peak

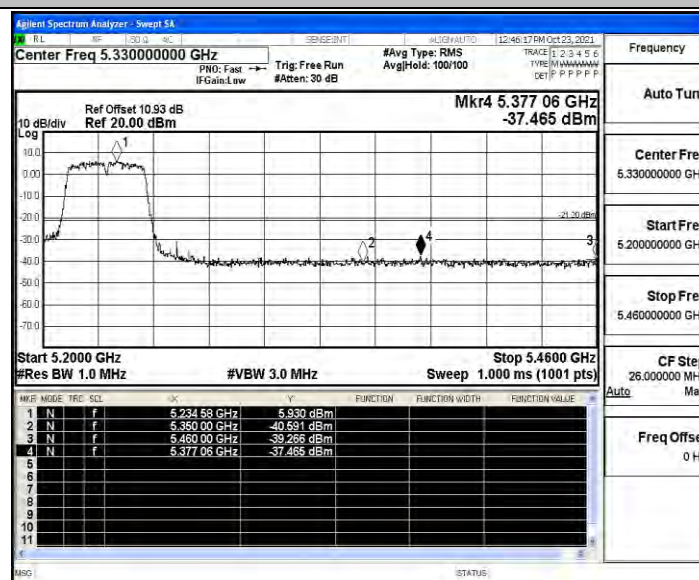




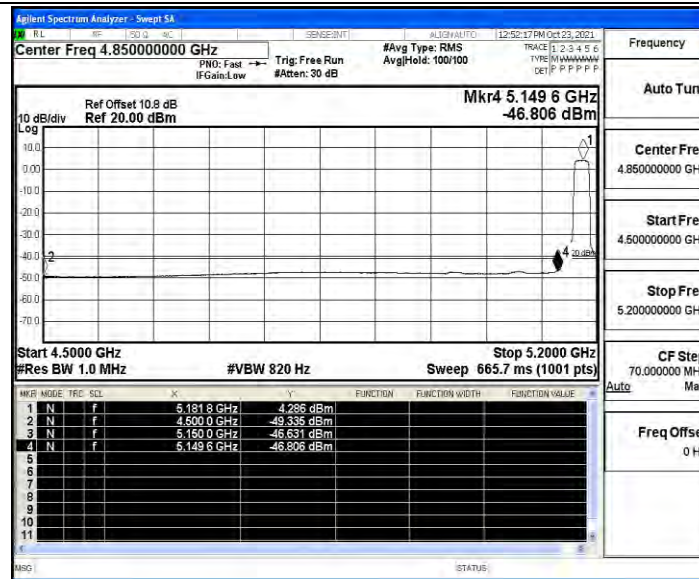
11N40SISO_Ant1_High_5230_AV



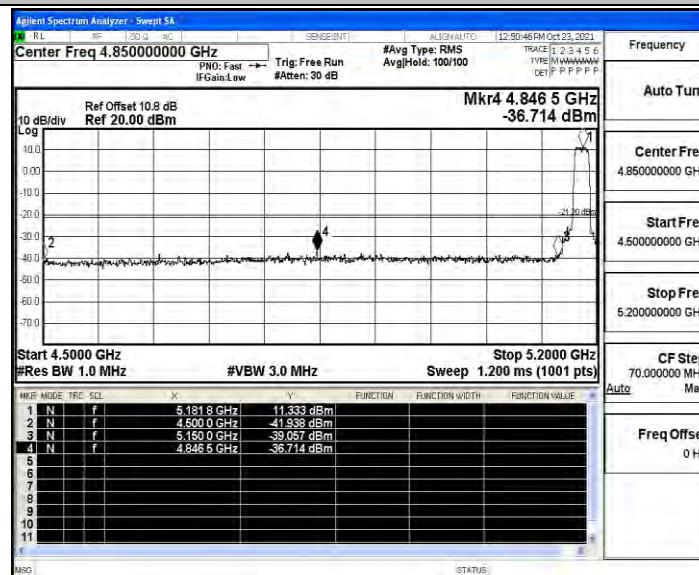
11N40SISO_Ant1_High_5230_Peak



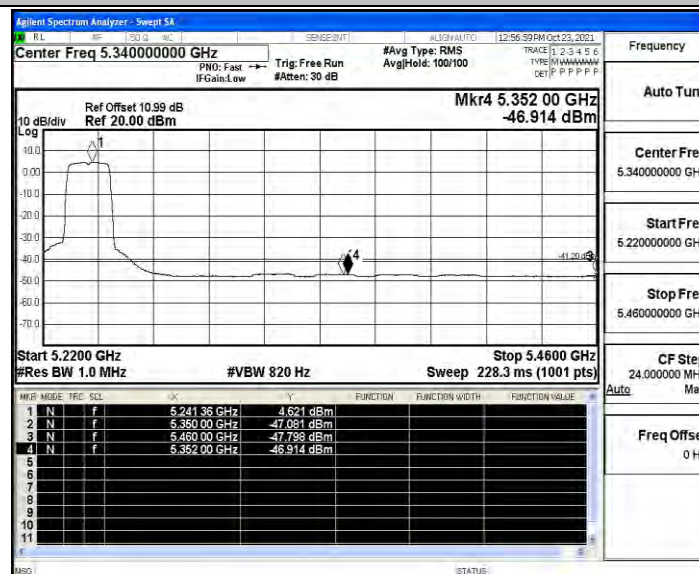
11AC20SISO_Ant1_Low_5180_AV



11AC20SISO_Ant1_Low_5180_Peak

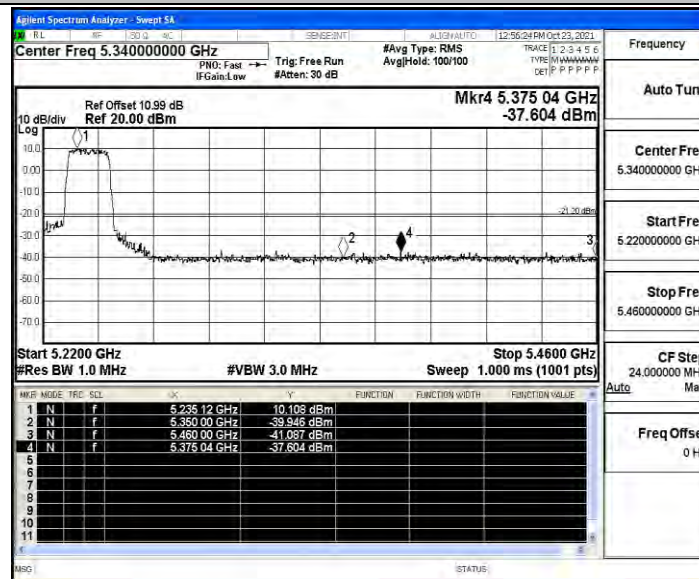


11AC20SISO_Ant1_High_5240_AV

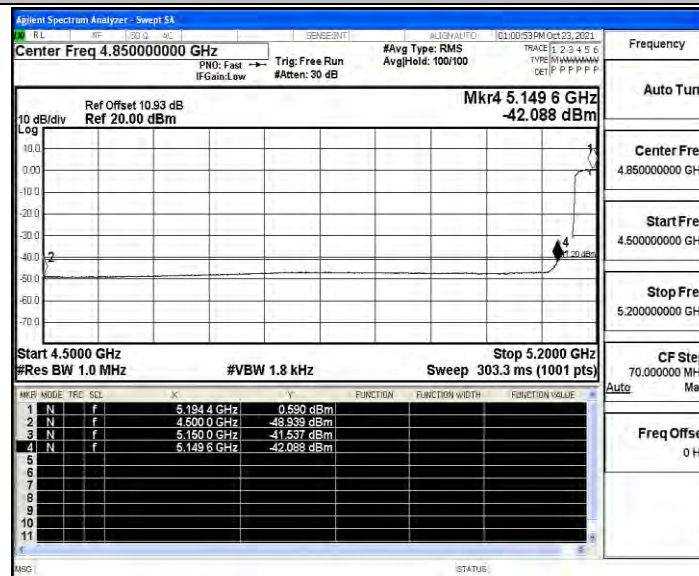




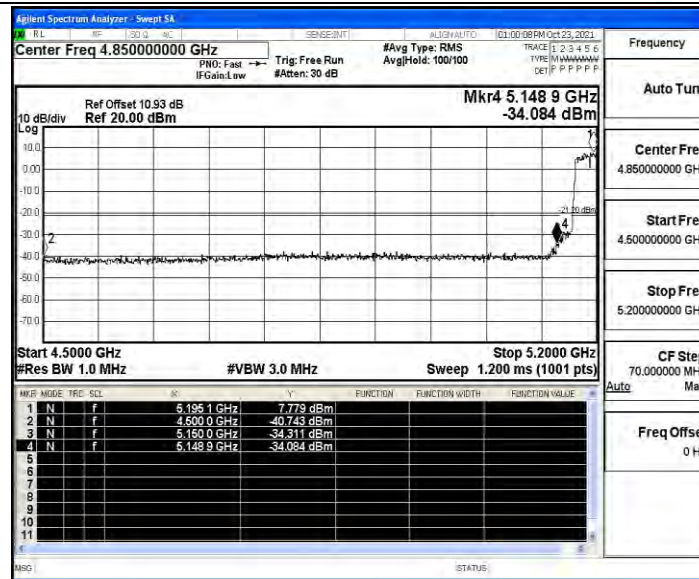
11AC20SISO_Ant1_High_5240_Peak



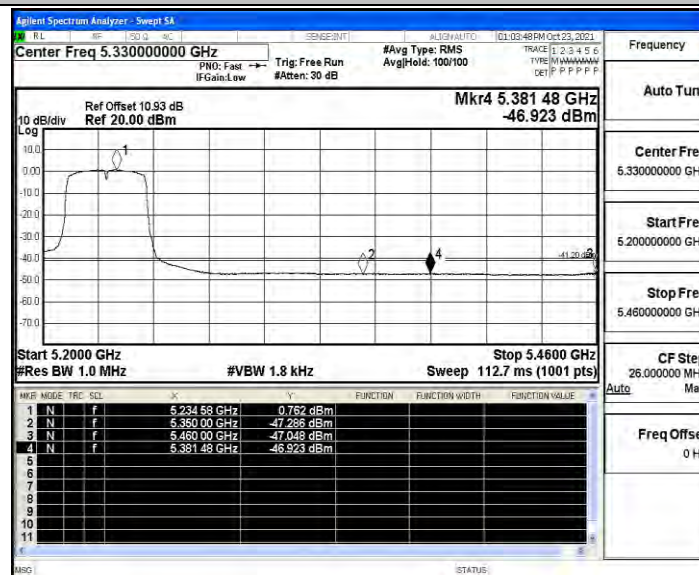
11AC40SISO_Ant1_Low_5190_AV



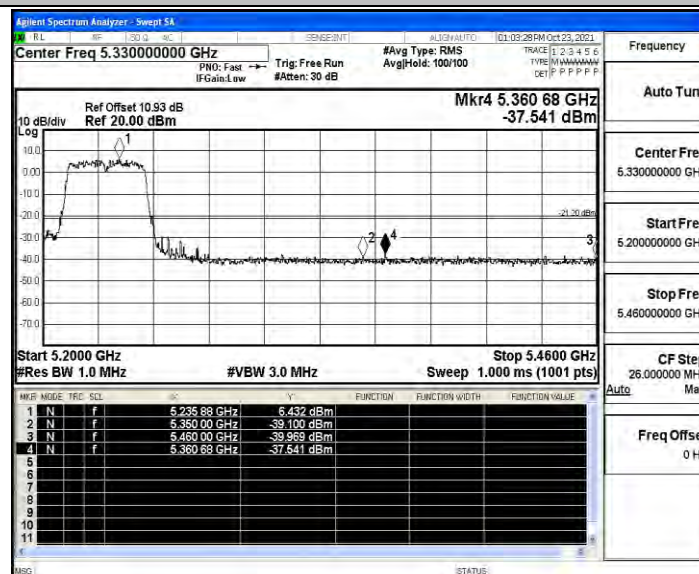
11AC40SISO_Ant1_Low_5190_Peak



11AC40SISO_Ant1_High_5230_AV

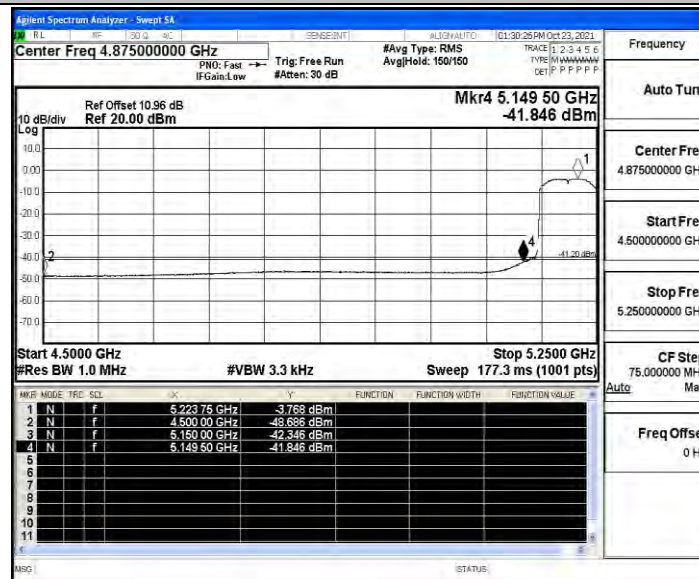


11AC40SISO_Ant1_High_5230_Peak

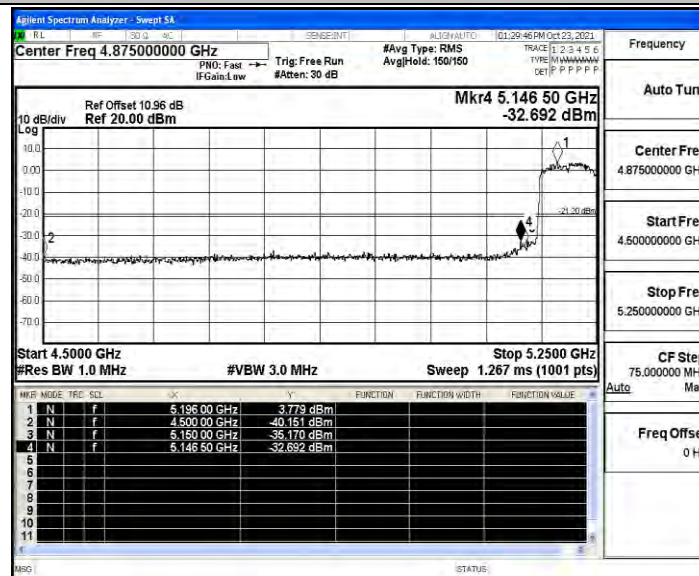




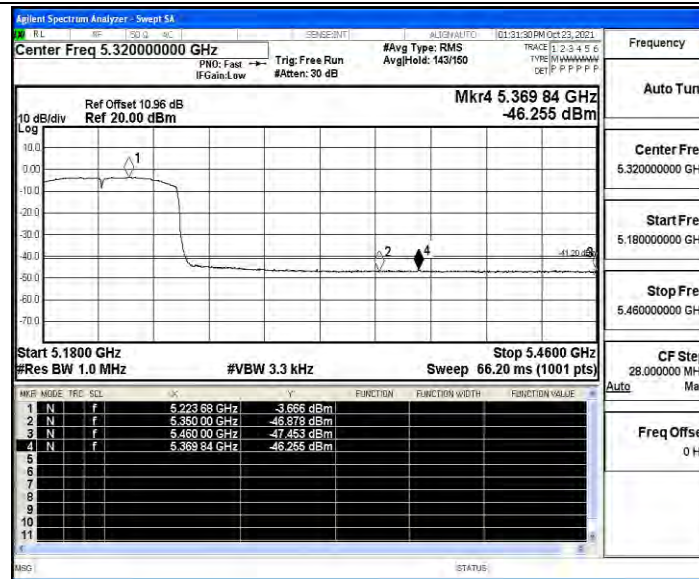
11AC80SISO_Ant1_Low_5210_AV



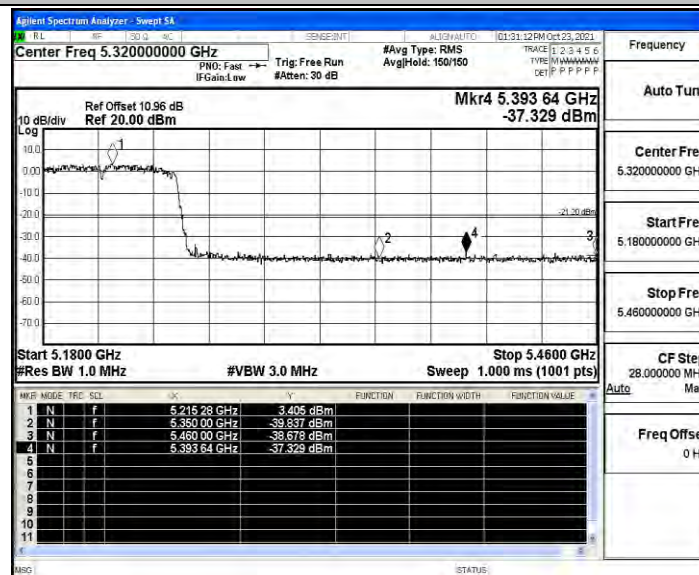
11AC80SISO_Ant1_Low_5210_Peak



11AC80SISO_Ant1_High_5210_AV



11AC80SISO_Ant1_High_5210_Peak





B.5 Frequency Stability

Test Result

ANT0

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SI SO	Ant0	5180	NV	NT	-12000	-2.316602	20	PASS
			LV	NT	-16000	-3.088803	20	PASS
			HV	NT	-17000	-3.281853	20	PASS
		5200	NV	NT	-17000	-3.269231	20	PASS
			LV	NT	-18000	-3.461538	20	PASS
			HV	NT	-18000	-3.461538	20	PASS
		5240	NV	NT	-17000	-3.244275	20	PASS
			LV	NT	-18000	-3.435115	20	PASS
			HV	NT	-18000	-3.435115	20	PASS
11AC40SI SO	Ant0	5190	NV	NT	-16000	-3.082852	20	PASS
			LV	NT	-18000	-3.468208	20	PASS
			HV	NT	-18000	-3.468208	20	PASS
		5230	NV	NT	-17000	-3.250478	20	PASS
			LV	NT	-18000	-3.441683	20	PASS
			HV	NT	-18000	-3.441683	20	PASS
11AC80SI SO	Ant0	5210	NV	NT	-17000	-3.262956	20	PASS
			LV	NT	-18000	-3.454894	20	PASS
			HV	NT	-18000	-3.454894	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SI SO	Ant0	5180	NV	-30	-17000	-3.281853	20	PASS
			NV	-20	-17000	-3.281853	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	-18000	-3.461538	20	PASS
			NV	0	-18000	-3.461538	20	PASS
			NV	10	-18000	-3.461538	20	PASS
			NV	20	-18000	-3.461538	20	PASS
			NV	30	-18000	-3.461538	20	PASS
			NV	40	-18000	-3.461538	20	PASS
			NV	50	-18000	-3.461538	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
11AC40SI SO	Ant0	5190	NV	-30	-18000	-3.468208	20	PASS
			NV	-20	-18000	-3.468208	20	PASS
			NV	-10	-18000	-3.468208	20	PASS
			NV	0	-18000	-3.468208	20	PASS
			NV	10	-18000	-3.468208	20	PASS
			NV	20	-18000	-3.468208	20	PASS
			NV	30	-18000	-3.468208	20	PASS
			NV	40	-18000	-3.468208	20	PASS
			NV	50	-18000	-3.468208	20	PASS
		5230	NV	-30	-18000	-3.441683	20	PASS
			NV	-20	-18000	-3.441683	20	PASS
			NV	-10	-18000	-3.441683	20	PASS
			NV	0	-18000	-3.441683	20	PASS
			NV	10	-18000	-3.441683	20	PASS
			NV	20	-18000	-3.441683	20	PASS
			NV	30	-18000	-3.441683	20	PASS
			NV	40	-18000	-3.441683	20	PASS
			NV	50	-18000	-3.441683	20	PASS
11AC80SI SO	Ant0	5210	NV	-30	-18000	-3.454894	20	PASS
			NV	-20	-18000	-3.454894	20	PASS
			NV	-10	-18000	-3.454894	20	PASS
			NV	0	-18000	-3.454894	20	PASS
			NV	10	-18000	-3.454894	20	PASS
			NV	20	-18000	-3.454894	20	PASS
			NV	30	-18000	-3.454894	20	PASS
			NV	40	-18000	-3.454894	20	PASS
			NV	50	-18000	-3.454894	20	PASS



ANT1

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SI SO	Ant1	5180	NV	NT	-12000	-2.316602	20	PASS
			LV	NT	-16000	-3.088803	20	PASS
			HV	NT	-17000	-3.281853	20	PASS
		5200	NV	NT	-17000	-3.269231	20	PASS
			LV	NT	-18000	-3.461538	20	PASS
			HV	NT	-18000	-3.461538	20	PASS
		5240	NV	NT	-17000	-3.244275	20	PASS
			LV	NT	-18000	-3.435115	20	PASS
			HV	NT	-18000	-3.435115	20	PASS
11AC40SI SO	Ant1	5190	NV	NT	-17000	-3.27553	20	PASS
			LV	NT	-17000	-3.27553	20	PASS
			HV	NT	-18000	-3.468208	20	PASS
		5230	NV	NT	-17000	-3.250478	20	PASS
			LV	NT	-18000	-3.441683	20	PASS
			HV	NT	-18000	-3.441683	20	PASS
11AC80SI SO	Ant1	5210	NV	NT	-17000	-3.262956	20	PASS
			LV	NT	-18000	-3.454894	20	PASS
			HV	NT	-18000	-3.454894	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SI SO	Ant1	5180	NV	-30	-17000	-3.281853	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
		5200	NV	50	-18000	-3.474903	20	PASS
			NV	-30	-18000	-3.461538	20	PASS
			NV	-20	-18000	-3.461538	20	PASS
			NV	-10	-18000	-3.461538	20	PASS
			NV	0	-18000	-3.461538	20	PASS
			NV	10	-18000	-3.461538	20	PASS
			NV	20	-18000	-3.461538	20	PASS
			NV	30	-18000	-3.461538	20	PASS
			NV	40	-18000	-3.461538	20	PASS



		5240	NV	50	-18000	-3.461538	20	PASS
			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
11AC40SI SO	Ant1	5190	NV	-30	-18000	-3.468208	20	PASS
			NV	-20	-18000	-3.468208	20	PASS
			NV	-10	-18000	-3.468208	20	PASS
			NV	0	-18000	-3.468208	20	PASS
			NV	10	-18000	-3.468208	20	PASS
			NV	20	-18000	-3.468208	20	PASS
			NV	30	-18000	-3.468208	20	PASS
			NV	40	-18000	-3.468208	20	PASS
			NV	50	-18000	-3.468208	20	PASS
		5230	NV	-30	-18000	-3.441683	20	PASS
			NV	-20	-18000	-3.441683	20	PASS
			NV	-10	-18000	-3.441683	20	PASS
			NV	0	-18000	-3.441683	20	PASS
			NV	10	-18000	-3.441683	20	PASS
			NV	20	-18000	-3.441683	20	PASS
			NV	30	-18000	-3.441683	20	PASS
			NV	40	-18000	-3.441683	20	PASS
			NV	50	-18000	-3.441683	20	PASS
11AC80SI SO	Ant1	5210	NV	-30	-18000	-3.454894	20	PASS
			NV	-20	-18000	-3.454894	20	PASS
			NV	-10	-18000	-3.454894	20	PASS
			NV	0	-18000	-3.454894	20	PASS
			NV	10	-18000	-3.454894	20	PASS
			NV	20	-18000	-3.454894	20	PASS
			NV	30	-18000	-3.454894	20	PASS
			NV	40	-18000	-3.454894	20	PASS
			NV	50	-18000	-3.454894	20	PASS



B.6 Duty Cycle

Test Result

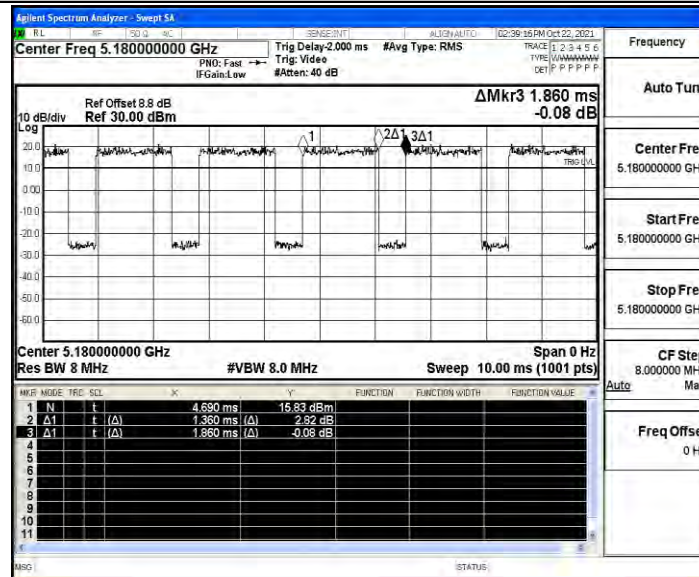
ANT0

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant0	5180	1.36	1.86	73.12	---	PASS
		5200	1.36	1.87	72.73	---	PASS
		5240	1.36	1.87	72.73	---	PASS
11N20SISO	Ant0	5180	1.27	1.78	71.35	---	PASS
		5200	1.27	1.78	71.35	---	PASS
		5240	1.27	1.77	71.75	---	PASS
11N40SISO	Ant0	5190	0.63	1.14	55.26	---	PASS
		5230	0.63	1.14	55.26	---	PASS
11AC20SISO	Ant0	5180	1.27	1.77	71.75	---	PASS
		5200	1.27	1.78	71.35	---	PASS
		5240	1.27	1.77	71.75	---	PASS
11AC40SISO	Ant0	5190	0.63	1.14	55.26	---	PASS
		5230	0.63	1.14	55.26	---	PASS
11AC80SISO	Ant0	5210	0.31	0.82	37.80	---	PASS

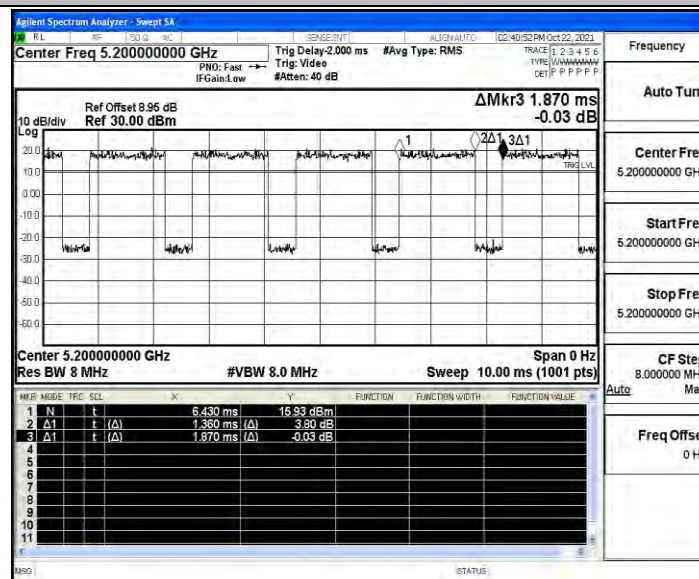


Test Graphs

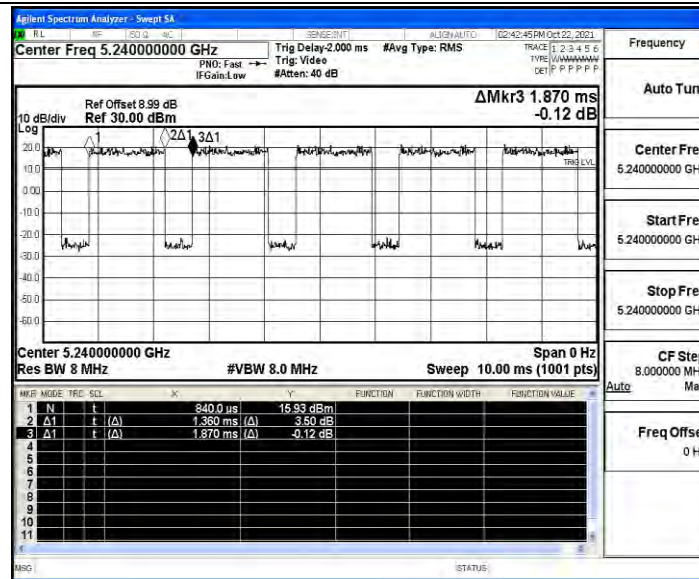
11A_Ant0_5180



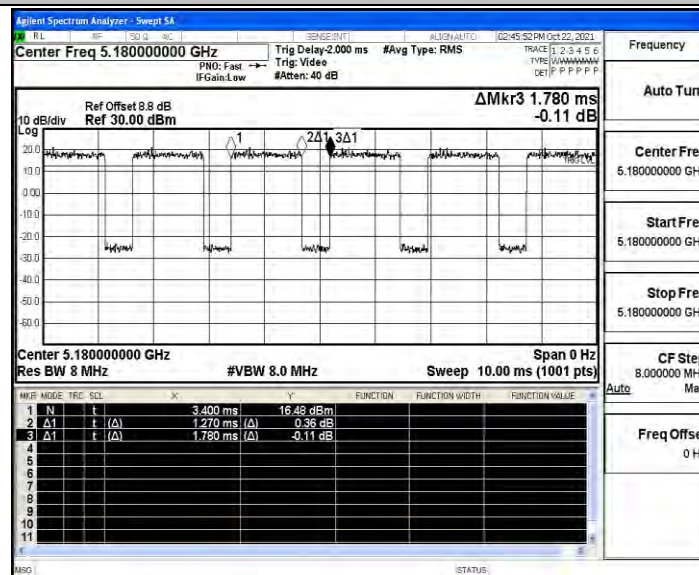
11A_Ant0_5200



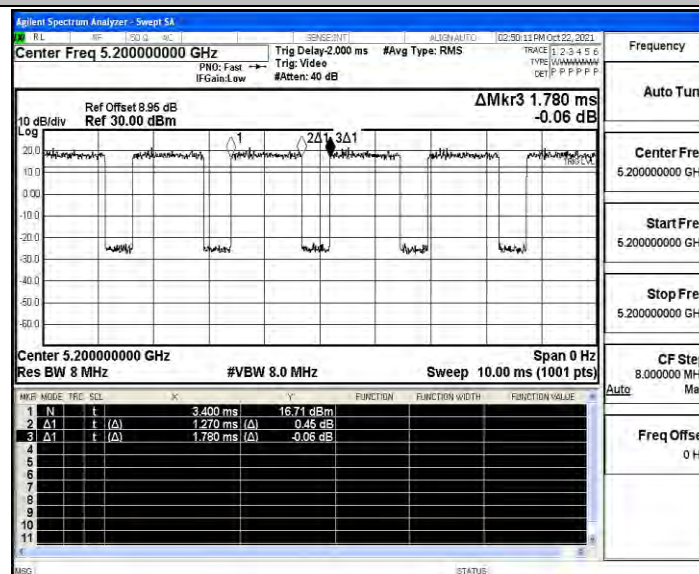
11A_Ant0_5240



11N20SISO_Ant0_5180

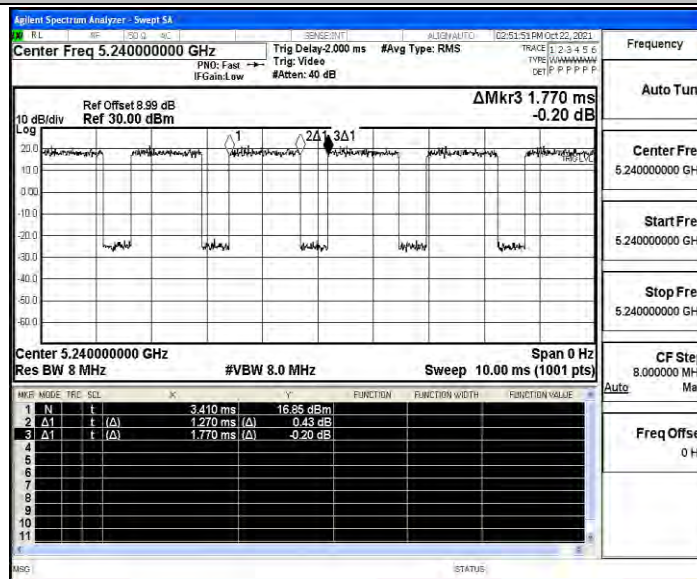


11N20SISO_Ant0_5200

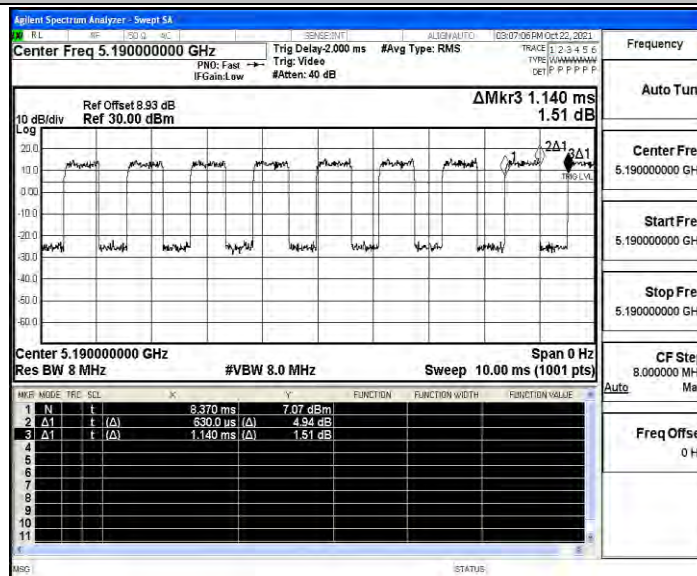




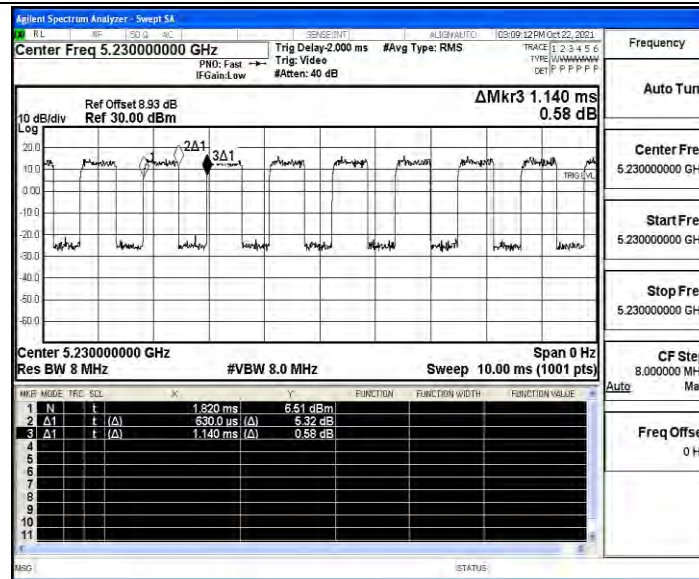
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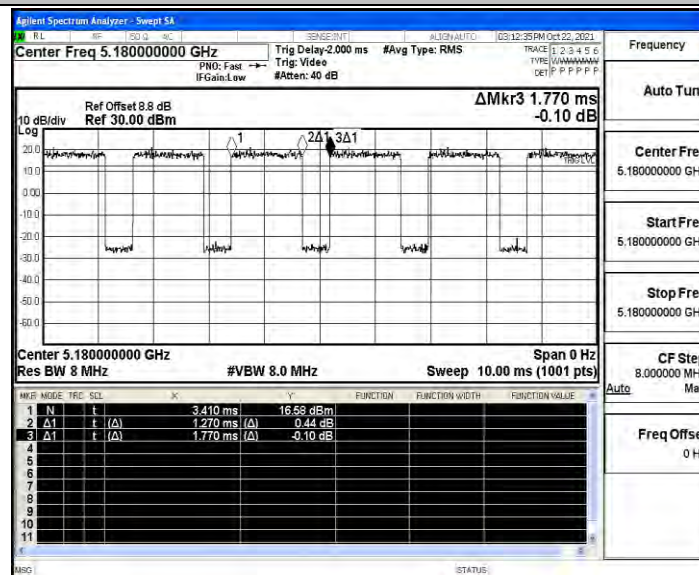
11N40SISO_Ant0_5190



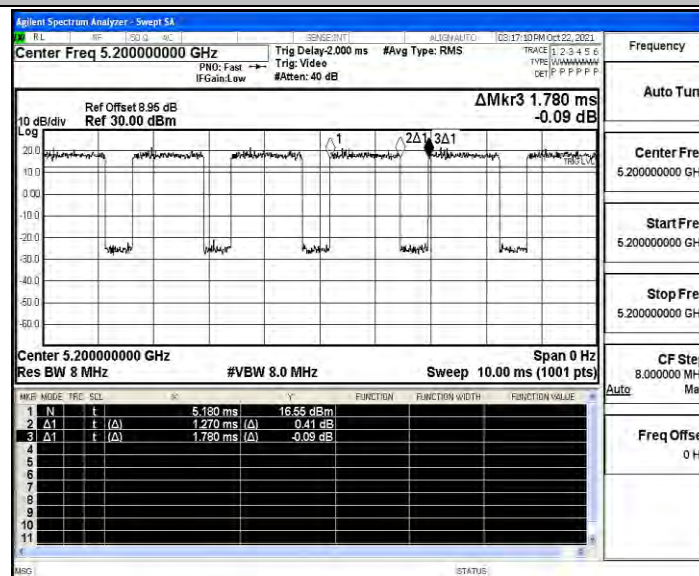
11N40SISO_Ant0_5230



11AC20SISO_Ant0_5180

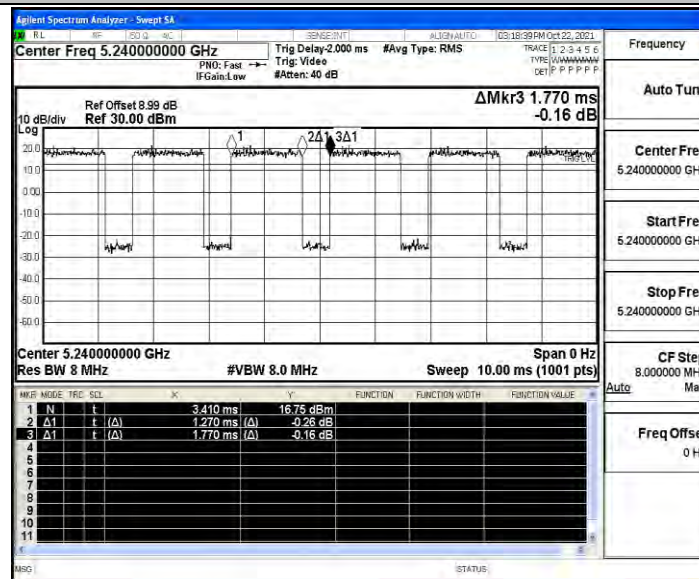


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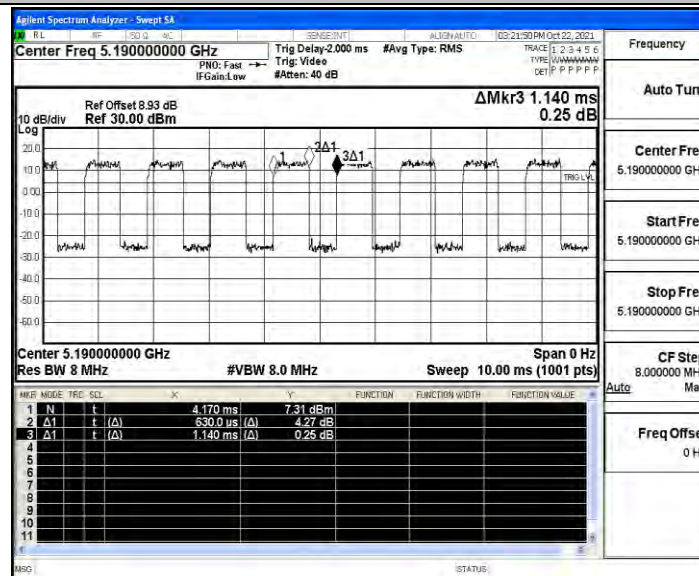




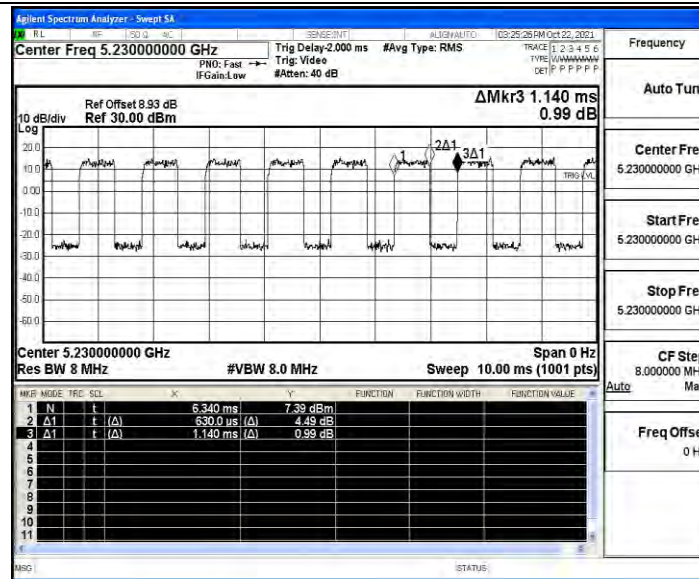
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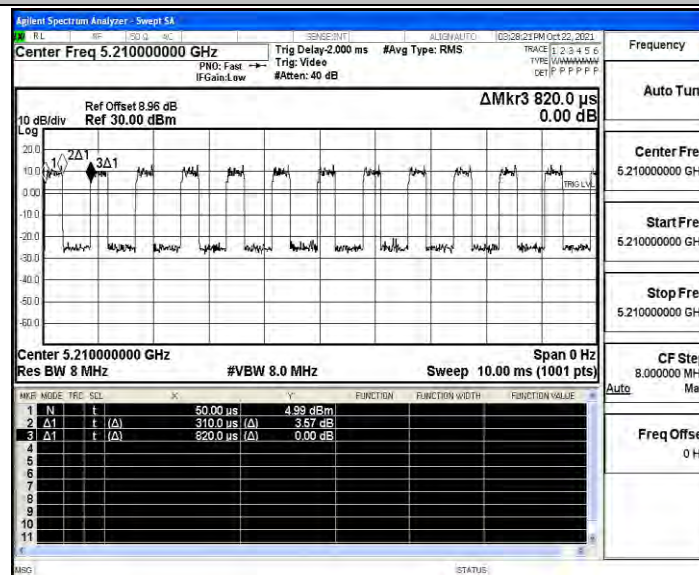
11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230



11AC80SISO_Ant0_5210





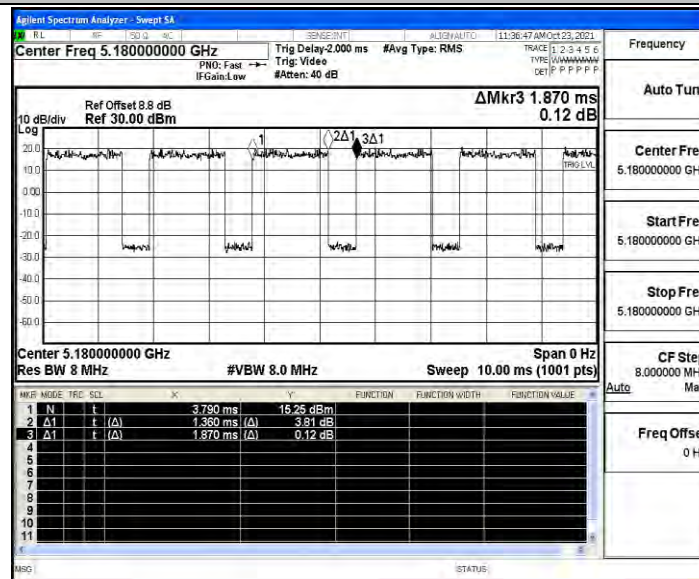
ANT1

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	1.36	1.87	72.73	---	PASS
		5200	1.36	1.86	73.12	---	PASS
		5240	1.36	1.87	72.73	---	PASS
11N20SISO	Ant1	5180	1.27	1.78	71.35	---	PASS
		5200	1.27	1.78	71.35	---	PASS
		5240	1.27	1.78	71.35	---	PASS
11N40SISO	Ant1	5190	0.63	1.14	55.26	---	PASS
		5230	0.63	1.14	55.26	---	PASS
11AC20SISO	Ant1	5180	1.27	1.78	71.35	---	PASS
		5200	1.27	1.77	71.75	---	PASS
		5240	1.27	1.77	71.75	---	PASS
11AC40SISO	Ant1	5190	0.63	1.14	55.26	---	PASS
		5230	0.63	1.14	55.26	---	PASS
11AC80SISO	Ant1	5210	0.31	0.82	37.80	---	PASS

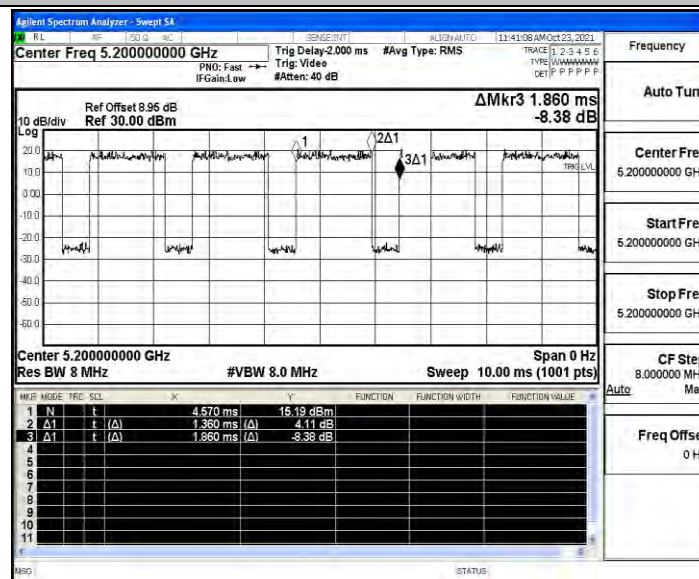


Test Graphs

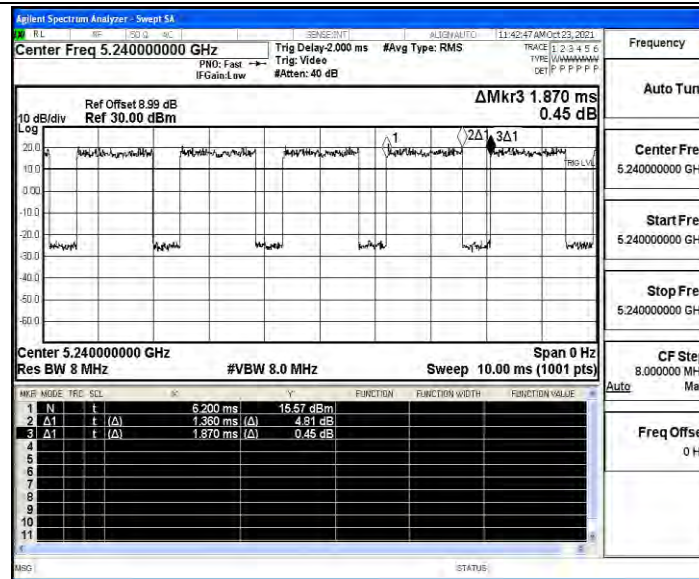
11A_Ant1_5180



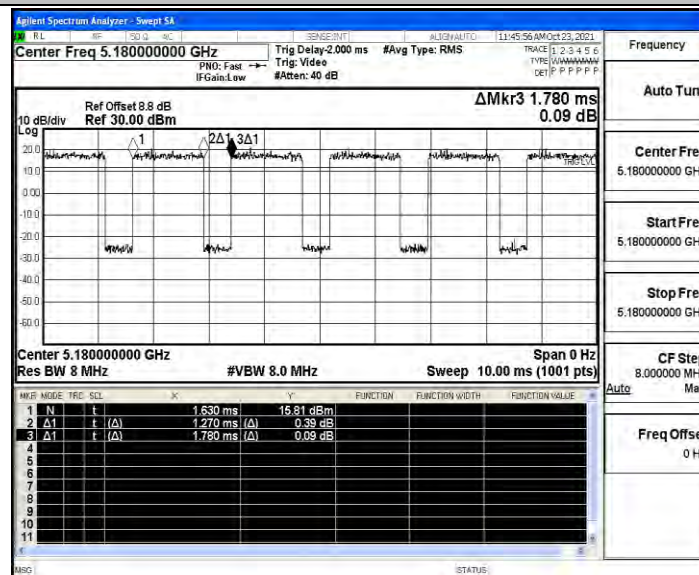
11A_Ant1_5200



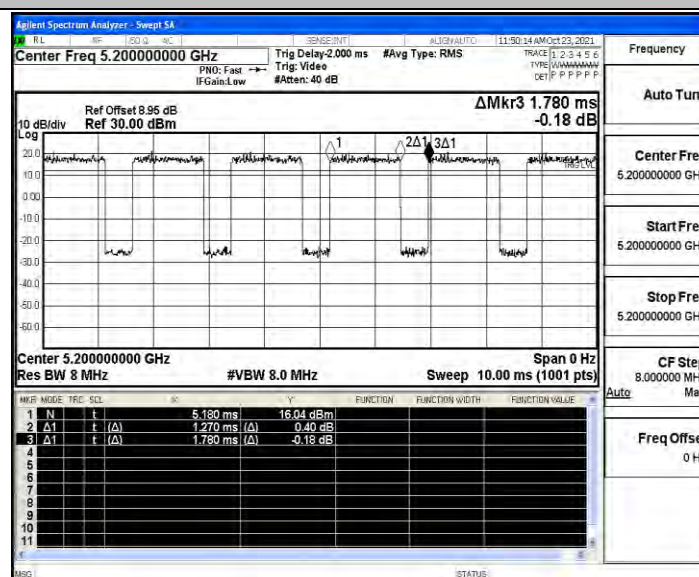
11A_Ant1_5240



11N20SISO_Ant1_5180

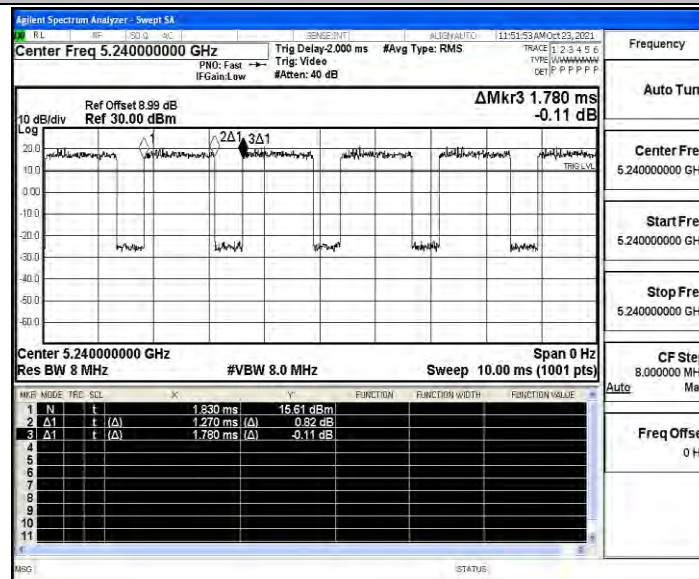


11N20SISO_Ant1_5200

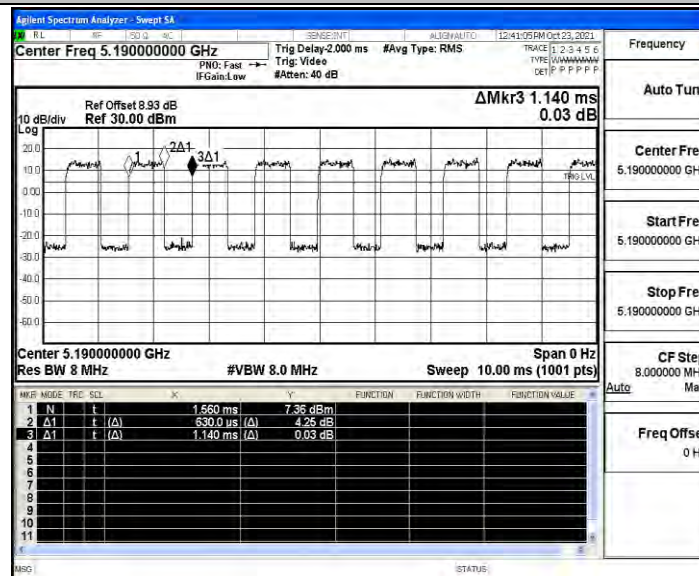




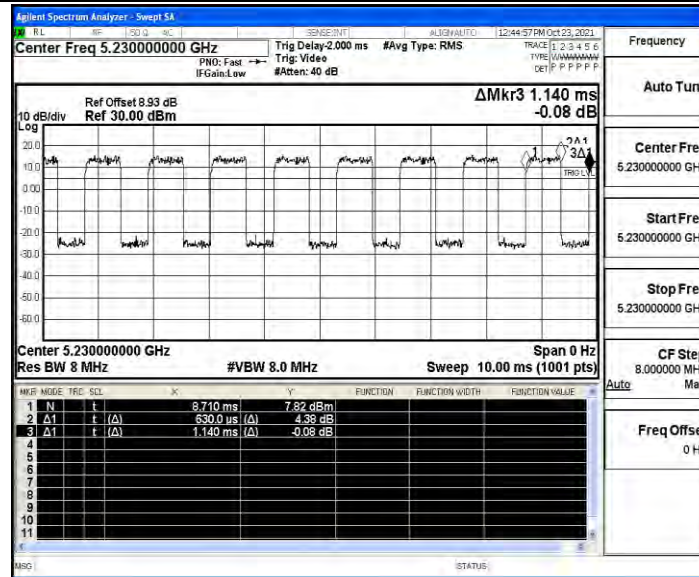
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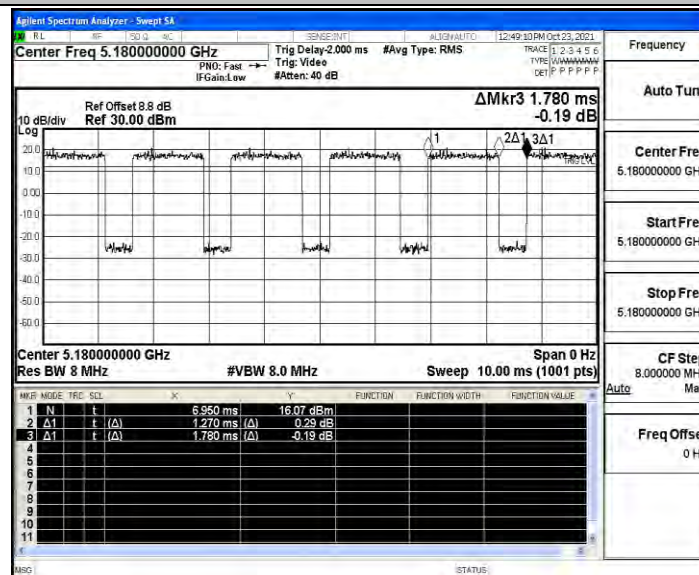
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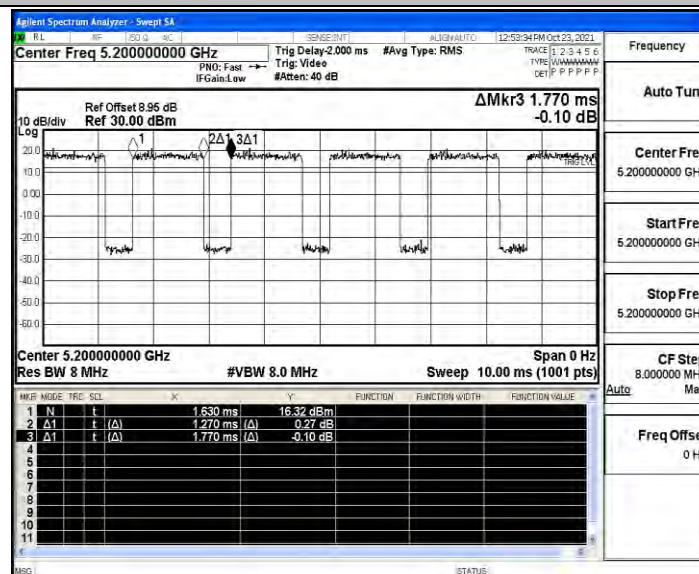
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180

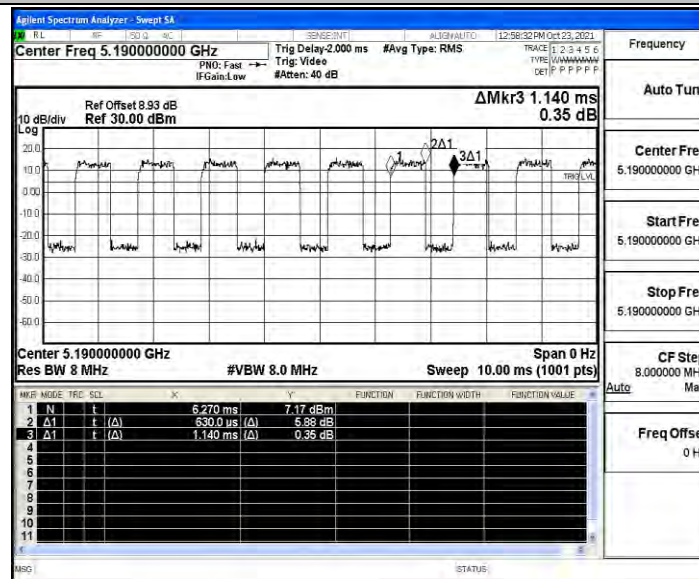


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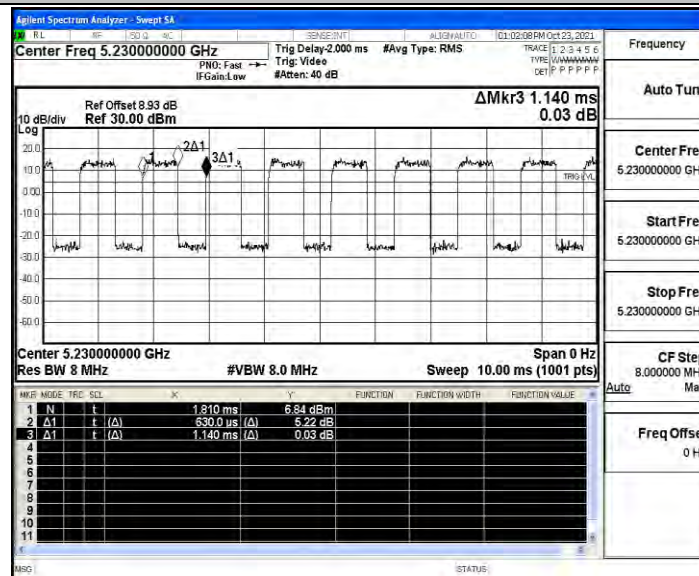




11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

