



Appendix D

RF Test Data for 5.2G WIFI (Conducted Measurement)

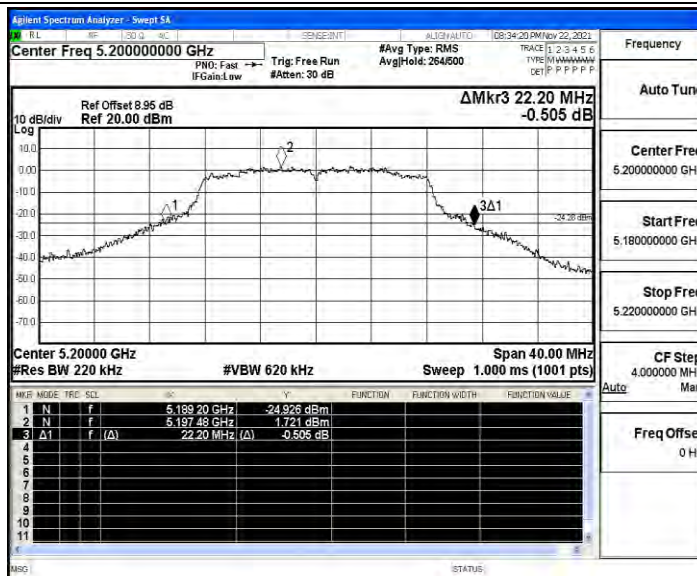
Product Name: Mini PC

Test Model: CK10

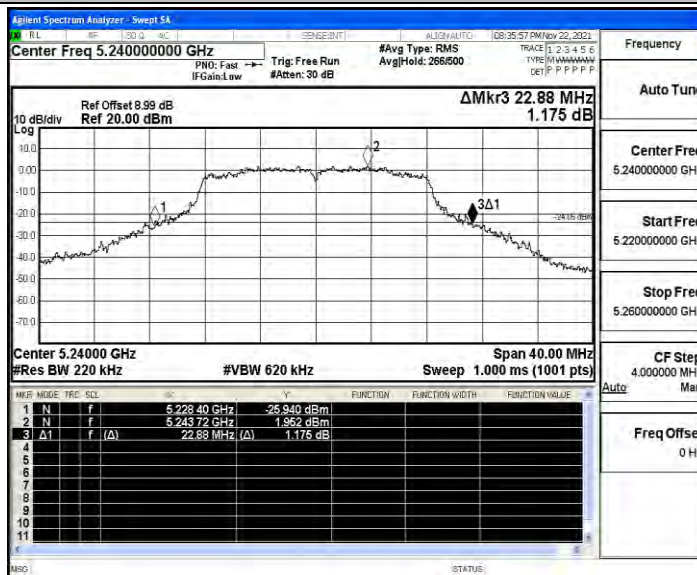
Environmental Conditions

Temperature:	22.3° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

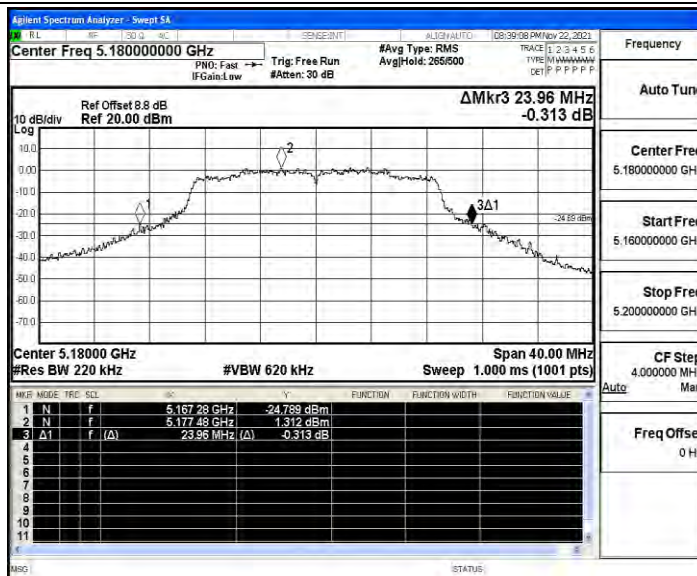




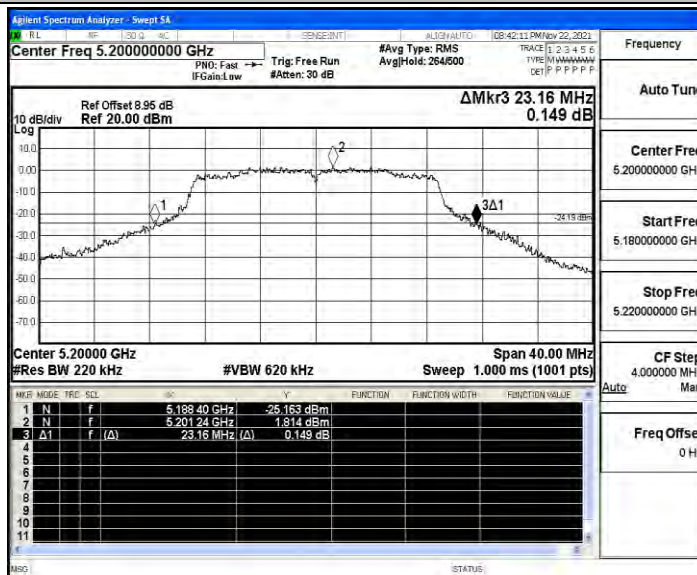
11A_Ant0_5240



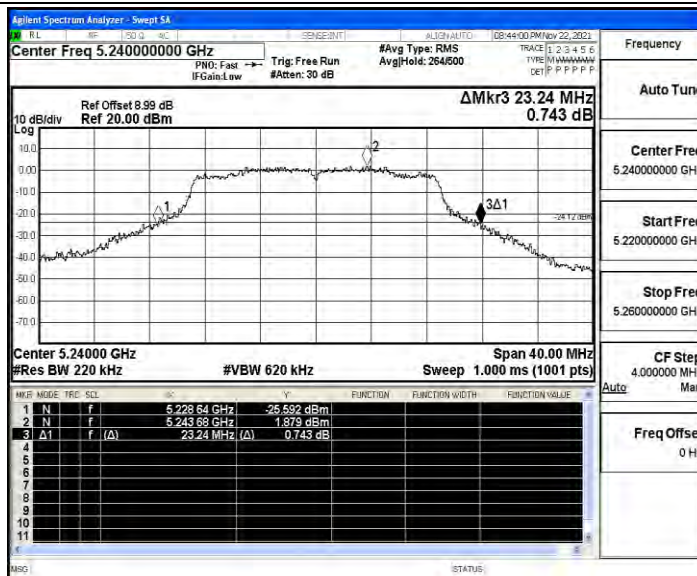
11N20SISO_Ant0_5180



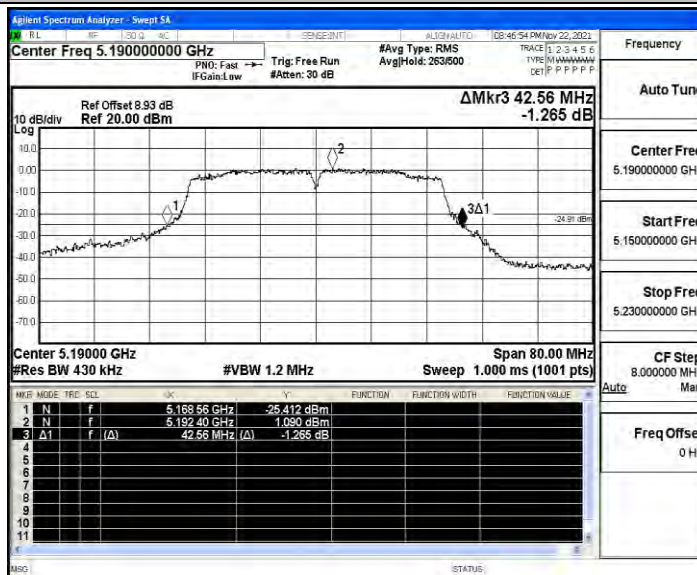
11N20SISO_Ant0_5200



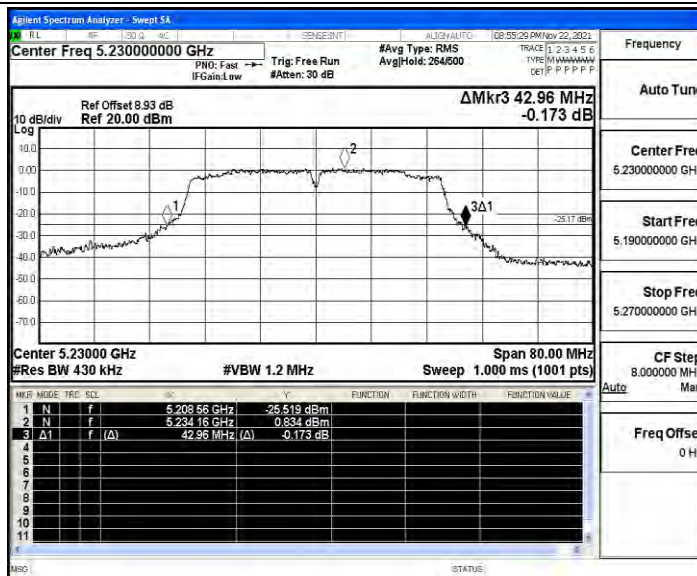
11N20SISO_Ant0_5240



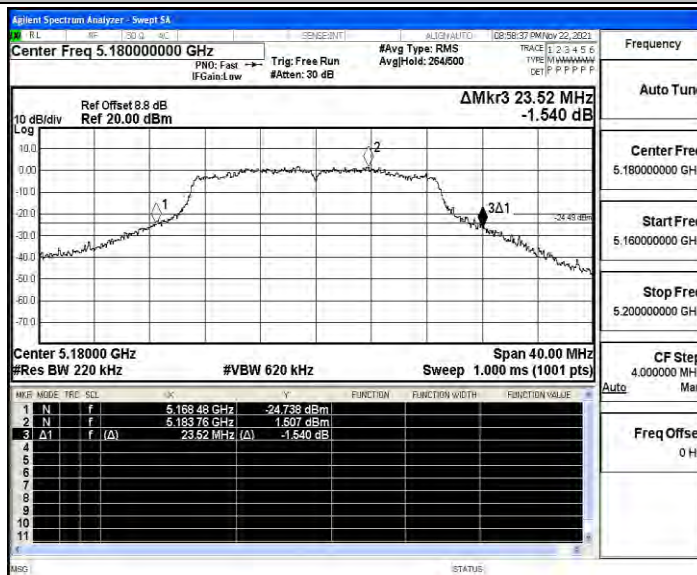
11N40SISO_Ant0_5190



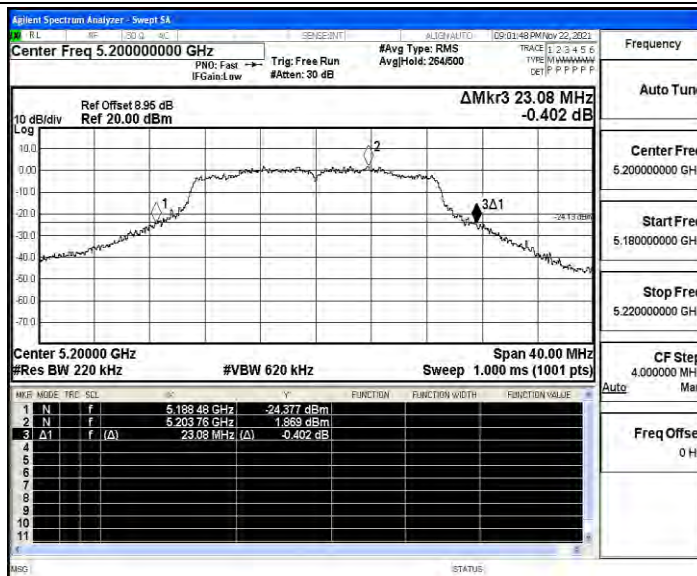
11N40SISO_Ant0_5230



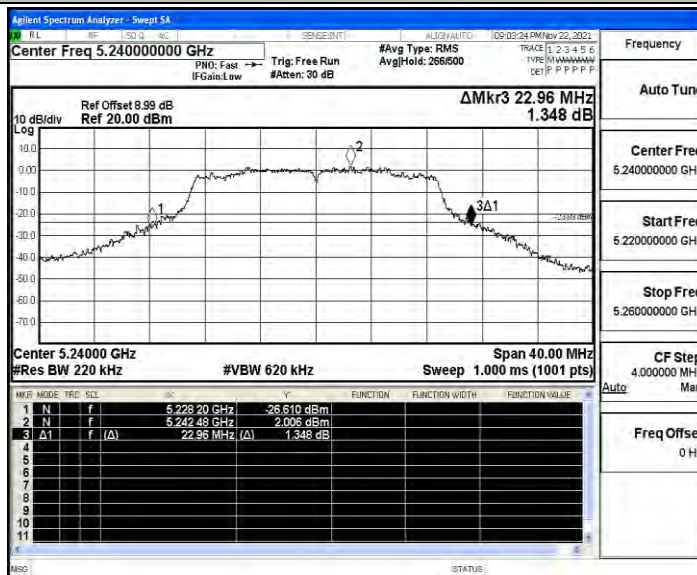
11AC20SISO_Ant0_5180



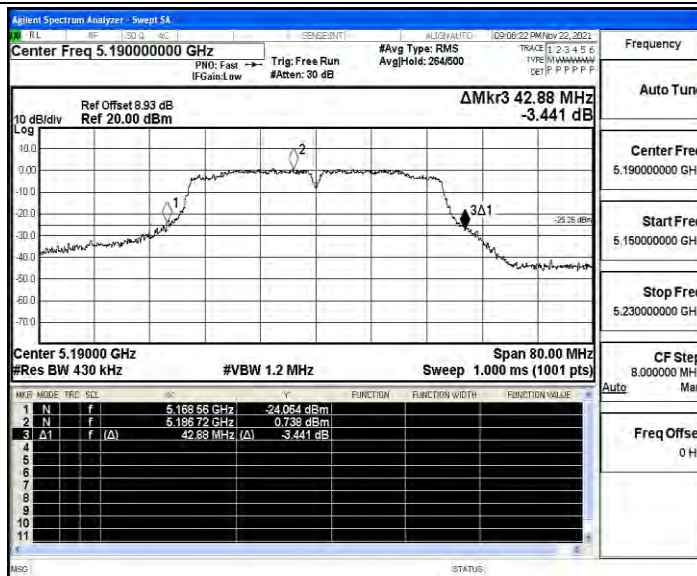
11AC20SISO_Ant0_5200



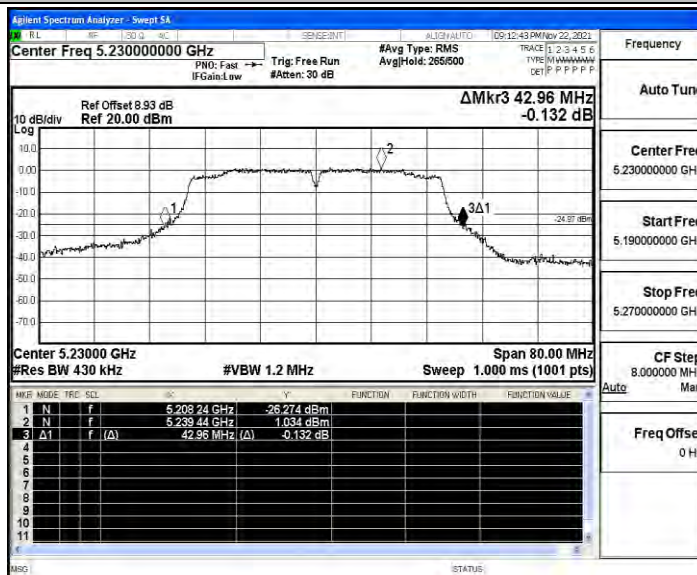
11AC20SISO_Ant0_5240



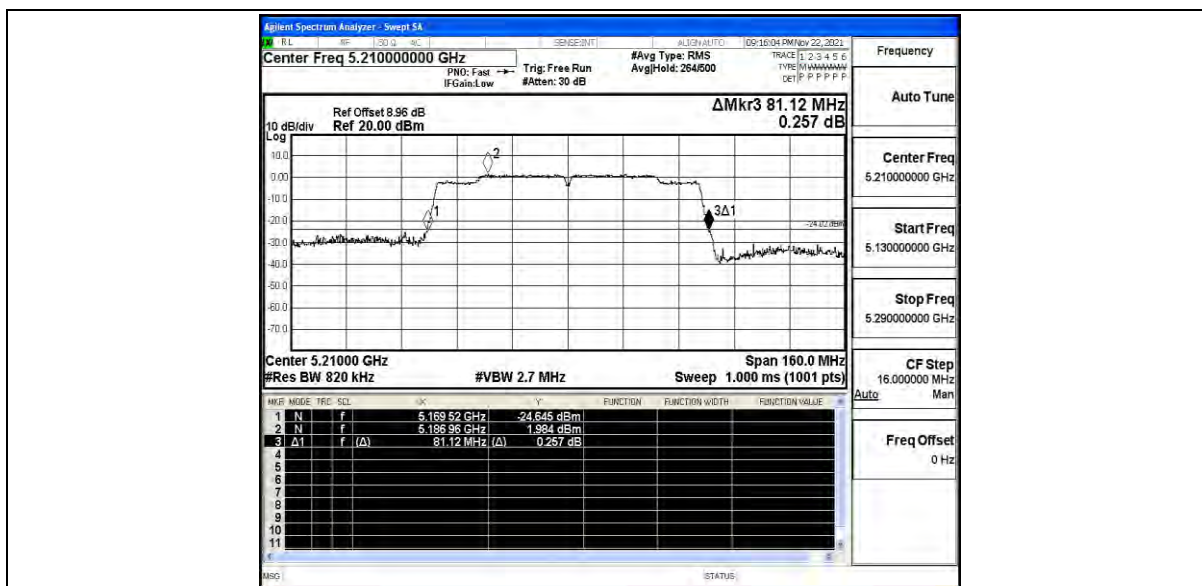
11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230



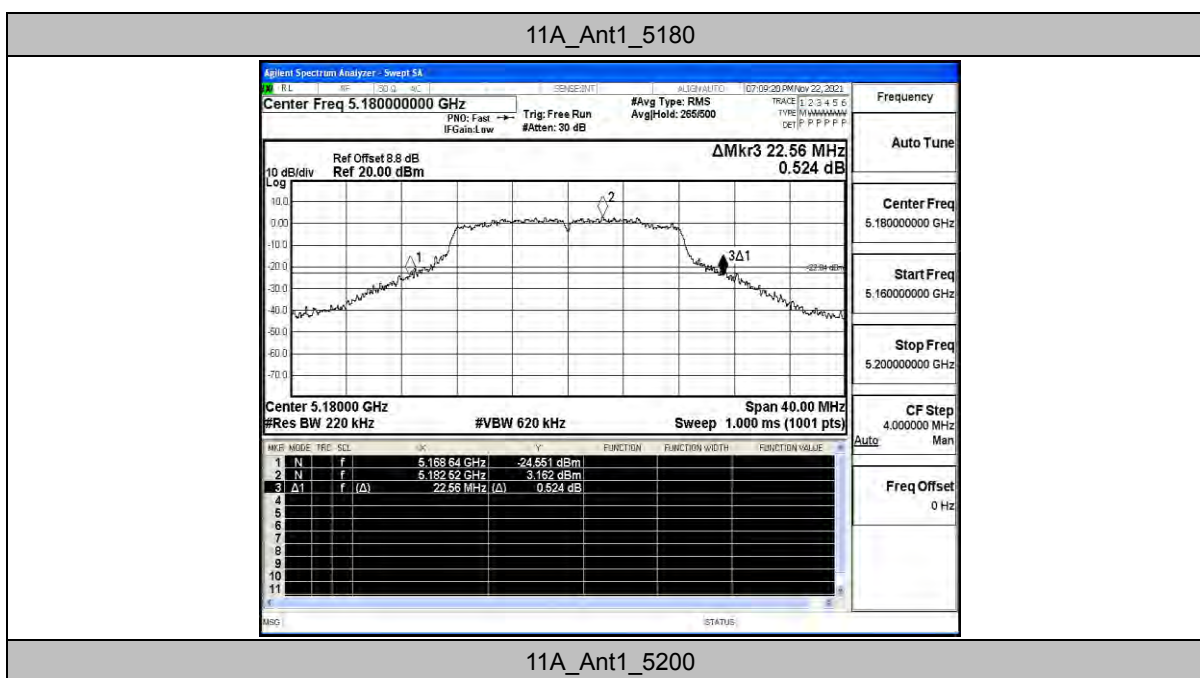
11AC80SISO_Ant0_5210

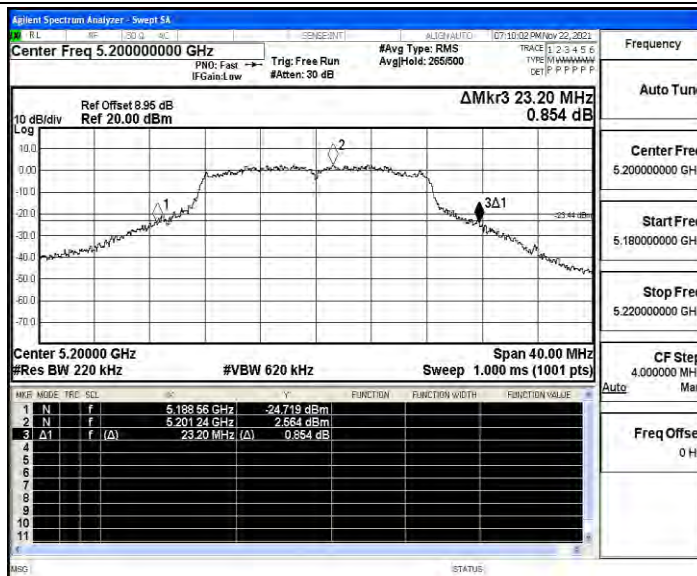




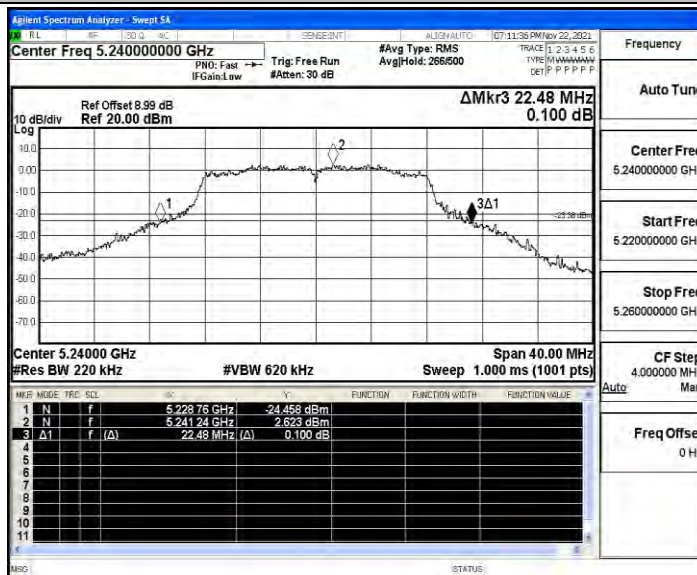
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.560	5168.640	5191.200	---	PASS
		5200	23.200	5188.560	5211.760	---	PASS
		5240	22.480	5228.760	5251.240	---	PASS
11N20SISO	Ant1	5180	23.040	5168.600	5191.640	---	PASS
		5200	22.160	5188.960	5211.120	---	PASS
		5240	22.560	5228.920	5251.480	---	PASS
11N40SISO	Ant1	5190	41.440	5169.520	5210.960	---	PASS
		5230	42.400	5208.640	5251.040	---	PASS
11AC20SISO	Ant1	5180	21.920	5168.960	5190.880	---	PASS
		5200	22.800	5188.680	5211.480	---	PASS
		5240	23.360	5228.080	5251.440	---	PASS
11AC40SISO	Ant1	5190	42.720	5168.160	5210.880	---	PASS
		5230	42.960	5208.480	5251.440	---	PASS
11AC80SISO	Ant1	5210	81.920	5168.880	5250.800	---	PASS

Test Graphs

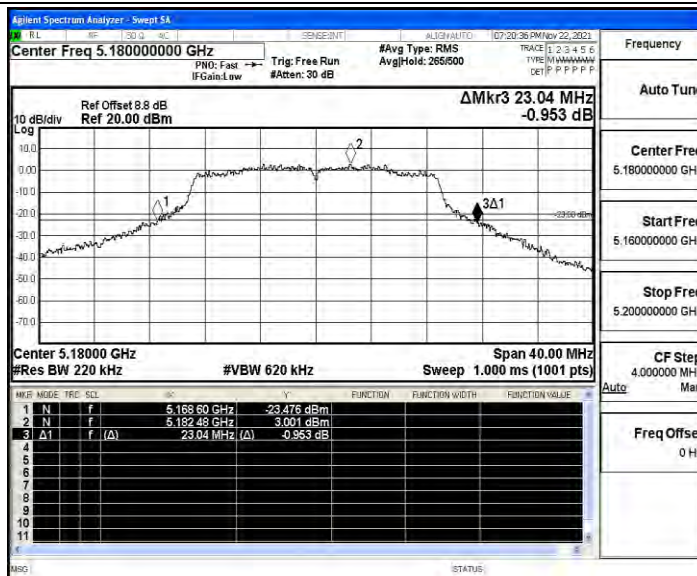




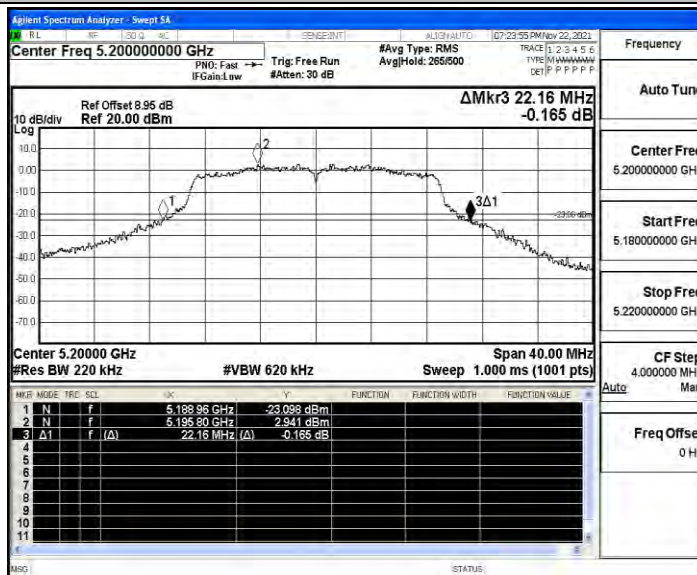
11A_Ant1_5240



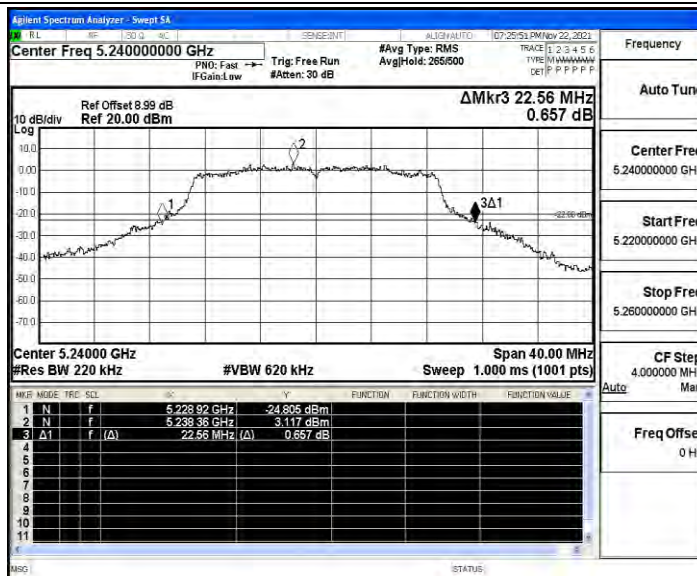
11N20SISO_Ant1_5180



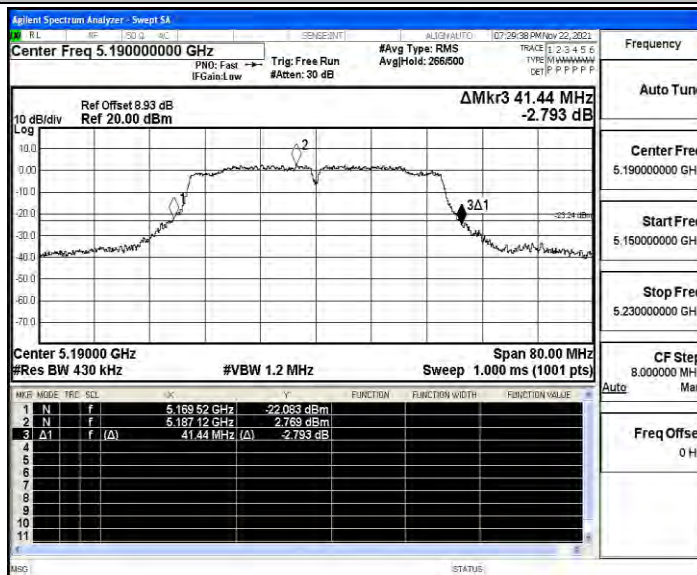
11N20SISO_Ant1_5200



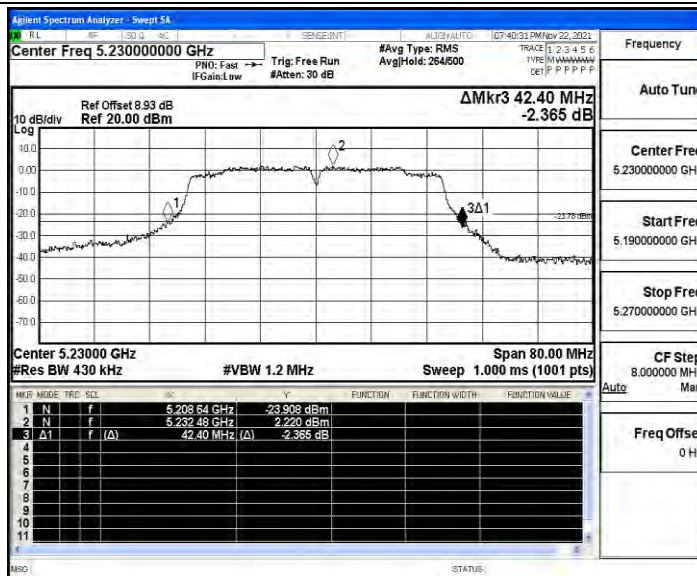
11N20SISO_Ant1_5240



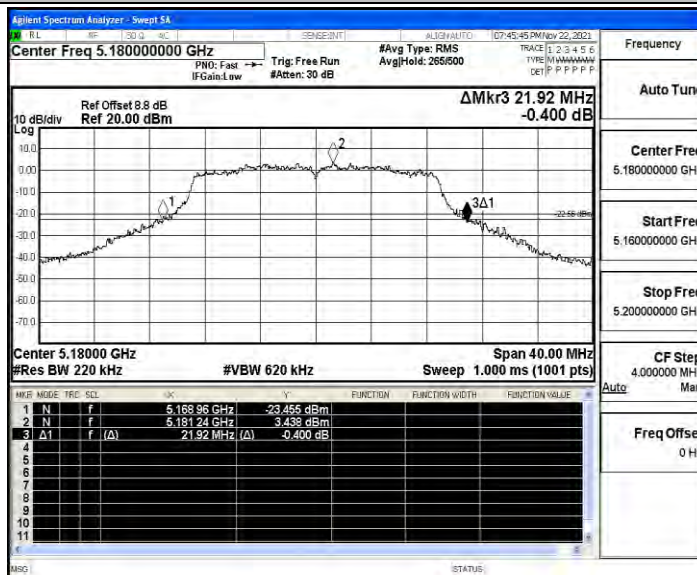
11N40SISO_Ant1_5190



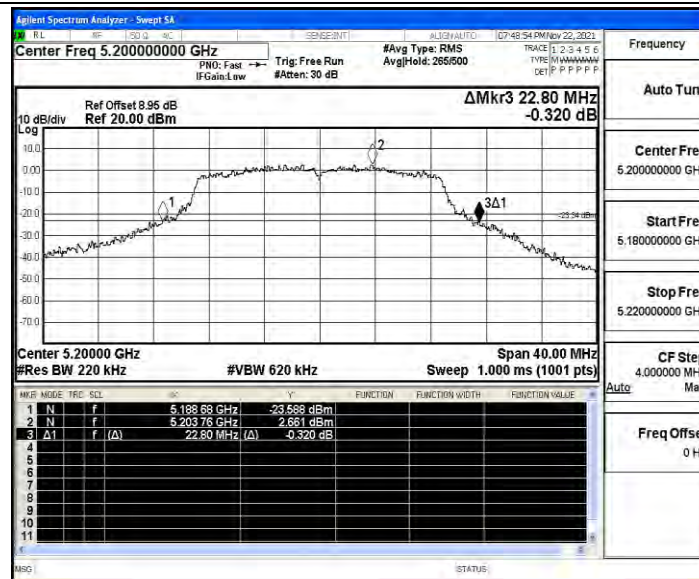
11N40SISO_Ant1_5230



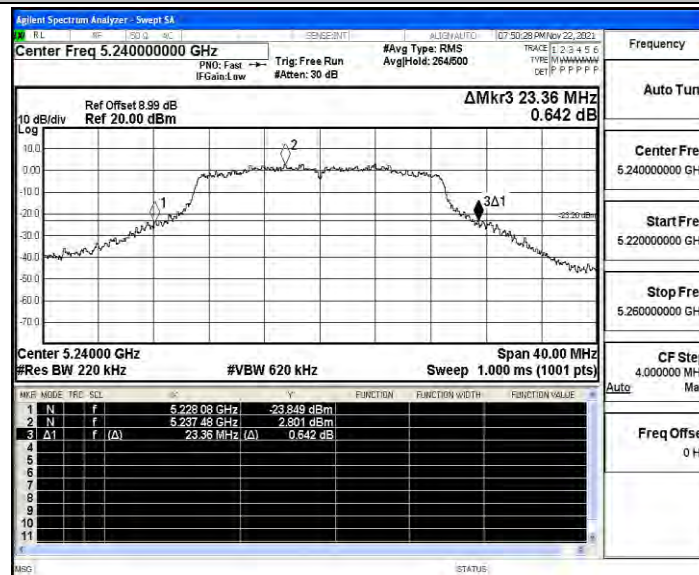
11AC20SISO_Ant1_5180



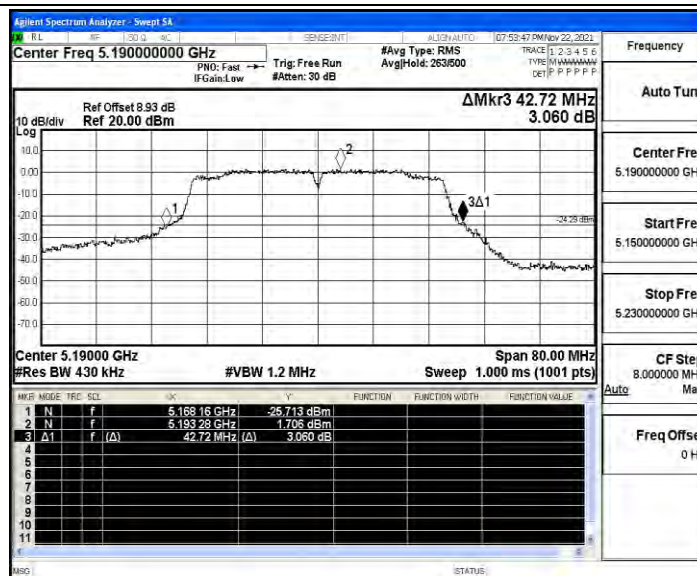
11AC20SISO_Ant1_5200



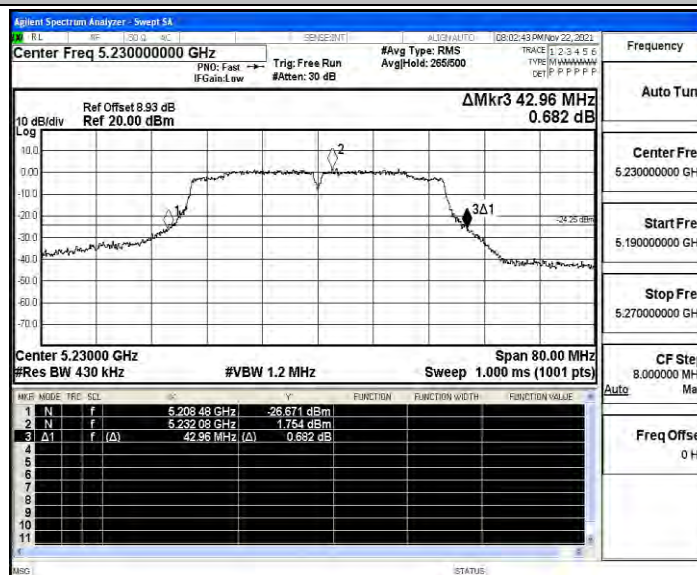
11AC20SISO_Ant1_5240



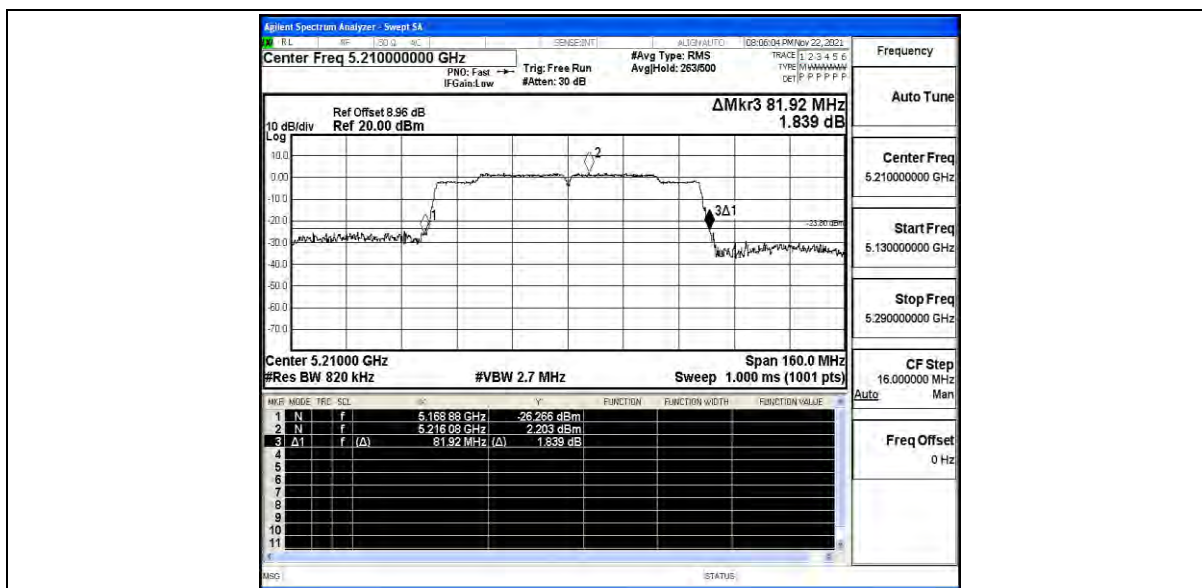
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210





D.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant0	5180	11.18	≤23.98	PASS
		5200	12.24	≤23.98	PASS
		5240	12.36	≤23.98	PASS
11N20SISO	Ant0	5180	11.92	≤23.98	PASS
		5200	11.67	≤23.98	PASS
		5240	11.87	≤23.98	PASS
11N40SISO	Ant0	5190	12.16	≤23.98	PASS
		5230	12.22	≤23.98	PASS
11AC20SISO	Ant0	5180	11.37	≤23.98	PASS
		5200	12.10	≤23.98	PASS
		5240	12.21	≤23.98	PASS
11AC40SISO	Ant0	5190	12.15	≤23.98	PASS
		5230	12.38	≤23.98	PASS
11AC80SISO	Ant0	5210	12.53	≤23.98	PASS

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	12.67	≤23.98	PASS
		5200	12.78	≤23.98	PASS
		5240	13.43	≤23.98	PASS
11N20SISO	Ant1	5180	12.34	≤23.98	PASS
		5200	13.01	≤23.98	PASS
		5240	13.00	≤23.98	PASS
11N40SISO	Ant1	5190	13.41	≤23.98	PASS
		5230	13.69	≤23.98	PASS
11AC20SISO	Ant1	5180	13.08	≤23.98	PASS
		5200	12.90	≤23.98	PASS
		5240	13.05	≤23.98	PASS
11AC40SISO	Ant1	5190	13.03	≤23.98	PASS
		5230	12.40	≤23.98	PASS
11AC80SISO	Ant1	5210	13.14	≤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	11.92	12.34	15.15	≤23.98	Pass
	40	5200	11.67	13.01	15.40		Pass
	48	5240	11.87	13.00	15.48		Pass
11N40	38	5190	12.16	13.41	15.84	≤23.98	Pass
	46	5230	12.22	13.69	16.03		Pass
11AC20	36	5180	11.37	13.08	15.32	≤23.98	Pass
	40	5200	12.10	12.90	15.53		Pass
	48	5240	12.21	13.05	15.66		Pass
11AC40	38	5190	12.15	13.03	15.62	≤23.98	Pass
	46	5230	12.38	12.40	15.40		Pass
11AC80	42	5210	12.53	13.14	15.86	≤23.98	Pass

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



D.3 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5180	0.81	≤11	PASS
		5200	1.88	≤11	PASS
		5240	1.95	≤11	PASS
11N20SISO	Ant0	5180	1.22	≤11	PASS
		5200	1.15	≤11	PASS
		5240	1.25	≤11	PASS
11N40SISO	Ant0	5190	-1.8	≤11	PASS
		5230	-1.93	≤11	PASS
11AC20SISO	Ant0	5180	0.81	≤11	PASS
		5200	1.37	≤11	PASS
		5240	1.51	≤11	PASS
11AC40SISO	Ant0	5190	-1.78	≤11	PASS
		5230	-1.65	≤11	PASS
11AC80SISO	Ant0	5210	-4.32	≤11	PASS

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.26	≤11	PASS
		5200	2.26	≤11	PASS
		5240	2.92	≤11	PASS
11N20SISO	Ant1	5180	1.72	≤11	PASS
		5200	2.42	≤11	PASS
		5240	2.42	≤11	PASS
11N40SISO	Ant1	5190	-0.65	≤11	PASS
		5230	-0.22	≤11	PASS
11AC20SISO	Ant1	5180	2.43	≤11	PASS
		5200	2.11	≤11	PASS
		5240	2.55	≤11	PASS
11AC40SISO	Ant1	5190	-1.09	≤11	PASS
		5230	-1.71	≤11	PASS
11AC80SISO	Ant1	5210	-3.78	≤11	PASS

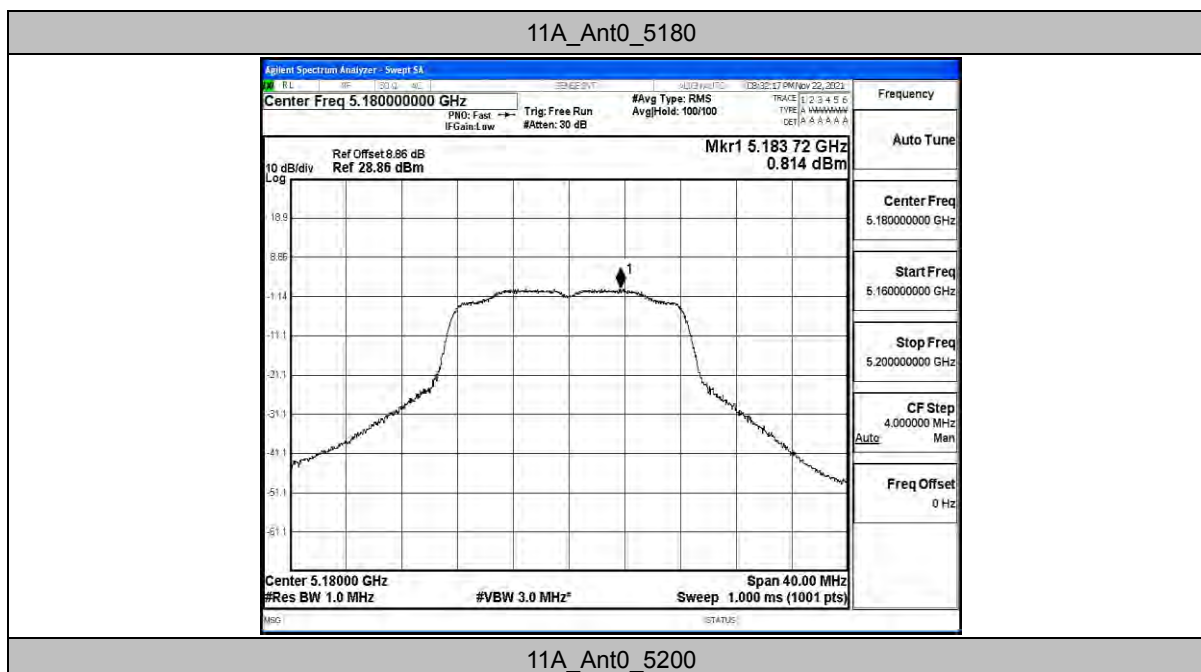


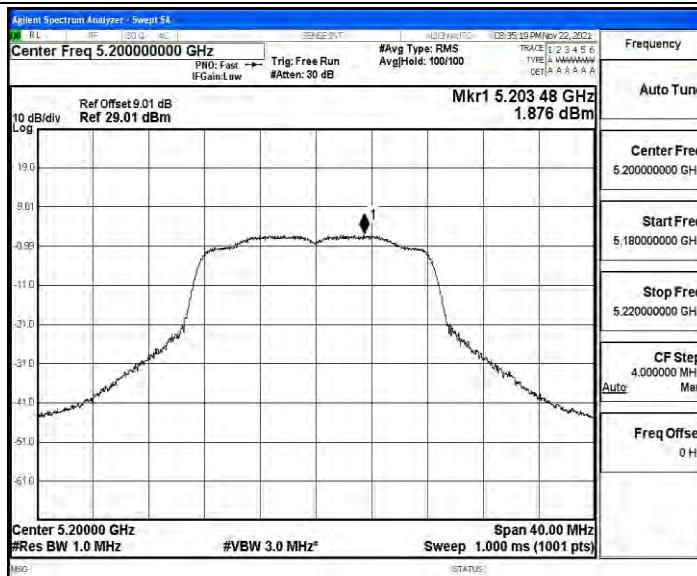
MIMO

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	1.22	1.72	4.49	≤11	Pass
	40	5200	1.15	2.42	4.84		Pass
	48	5240	1.25	2.42	4.88		Pass
11N40	38	5190	-1.8	-0.65	1.82	≤11	Pass
	46	5230	-1.93	-0.22	2.02		Pass
11AC20	36	5180	0.81	2.43	4.71	≤11	Pass
	40	5200	1.37	2.11	4.77		Pass
	48	5240	1.51	2.55	5.07		Pass
11AC40	38	5190	-1.78	-1.09	1.59	≤11	Pass
	46	5230	-1.65	-1.71	1.33		Pass
11AC80	42	5210	-4.32	-3.78	-1.03	≤11	Pass

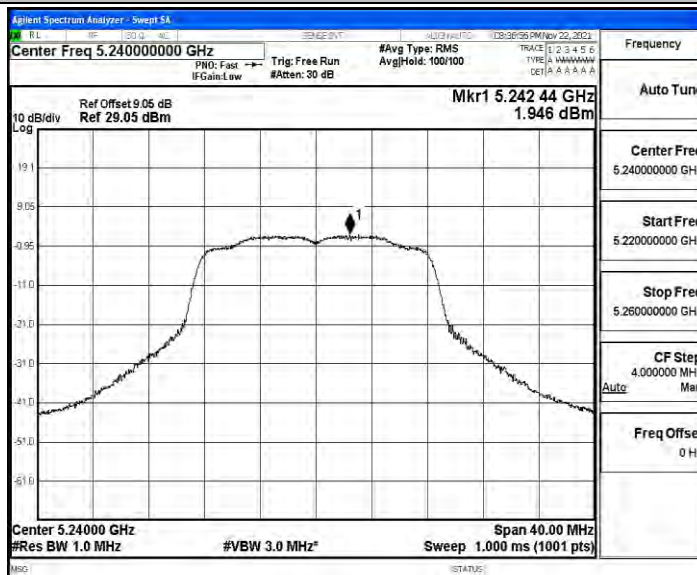
Note: The Duty Factor is compensated in the graph.

Test Graphs

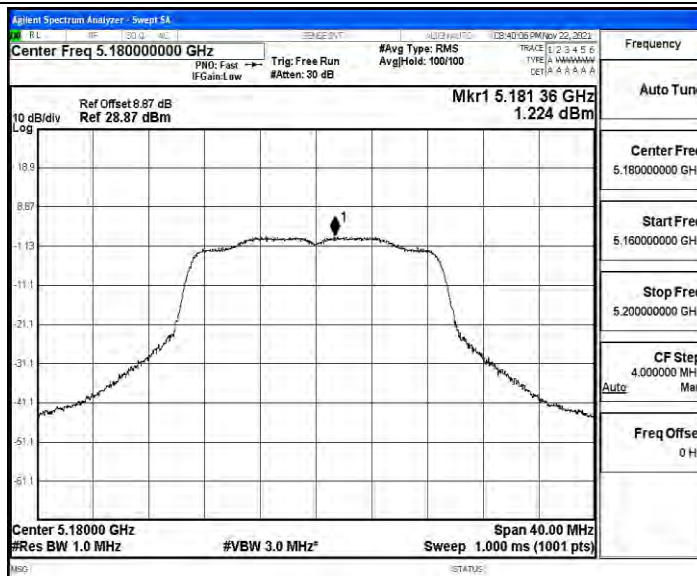




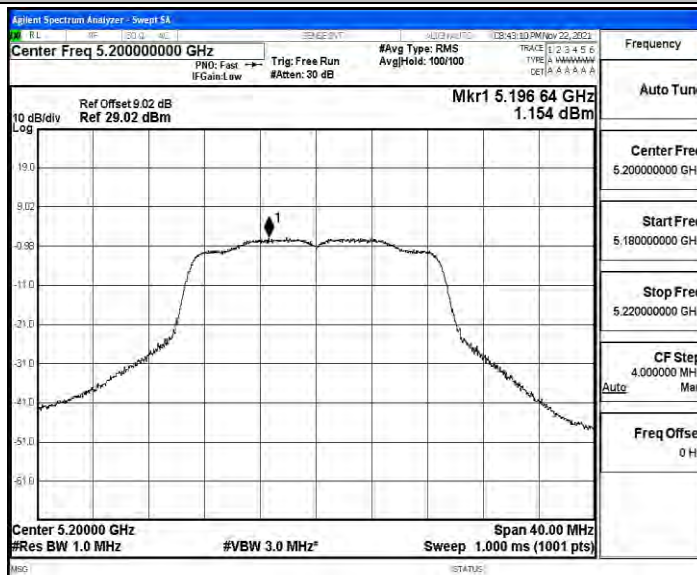
11A_Ant0_5240



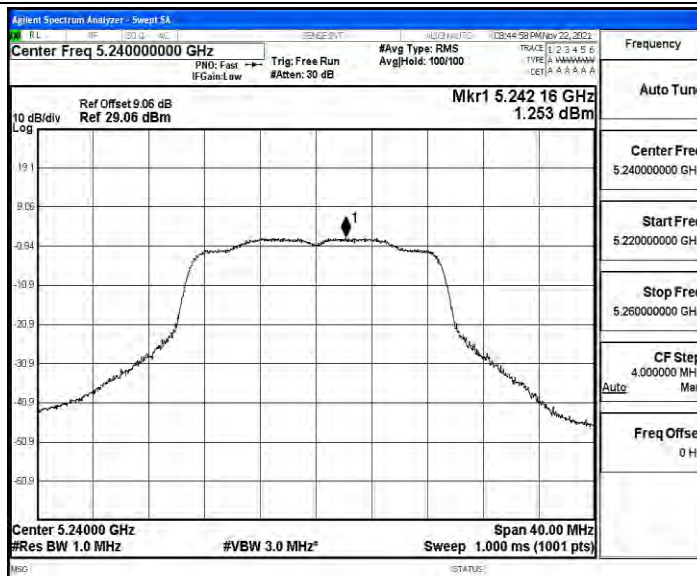
11N20SISO_Ant0_5180



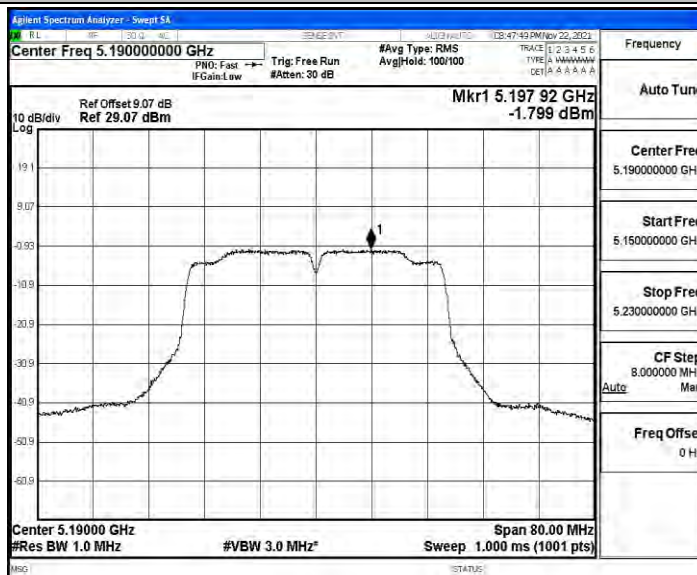
11N20SISO_Ant0_5200



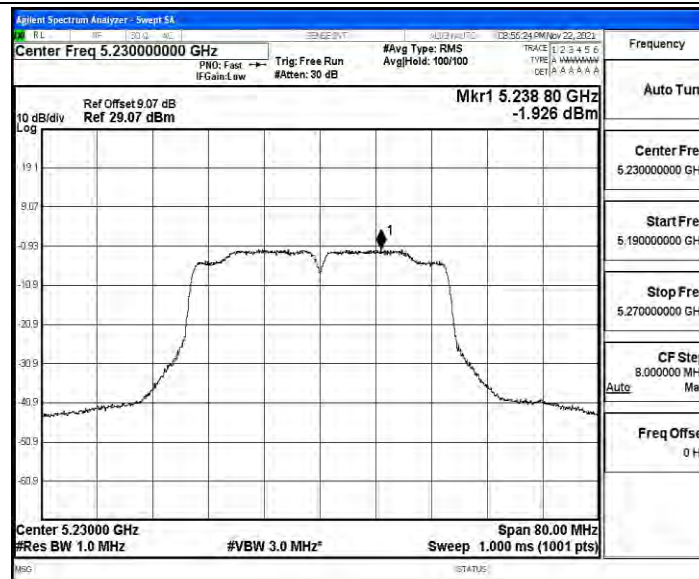
11N20SISO_Ant0_5240



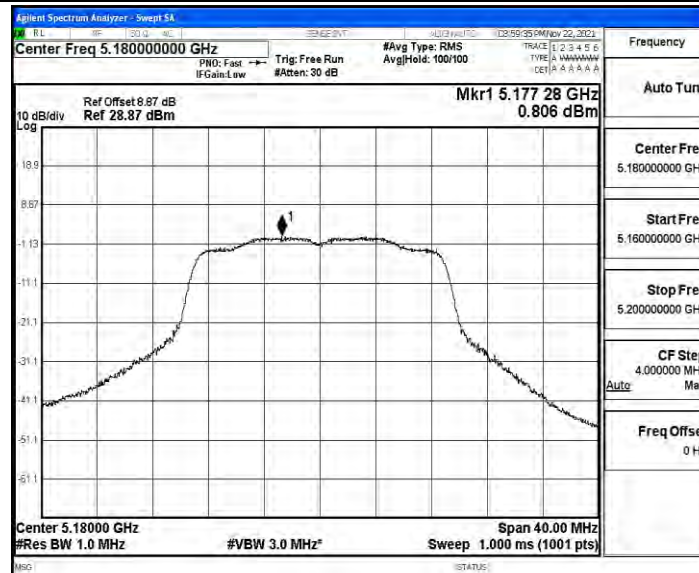
11N40SISO_Ant0_5190



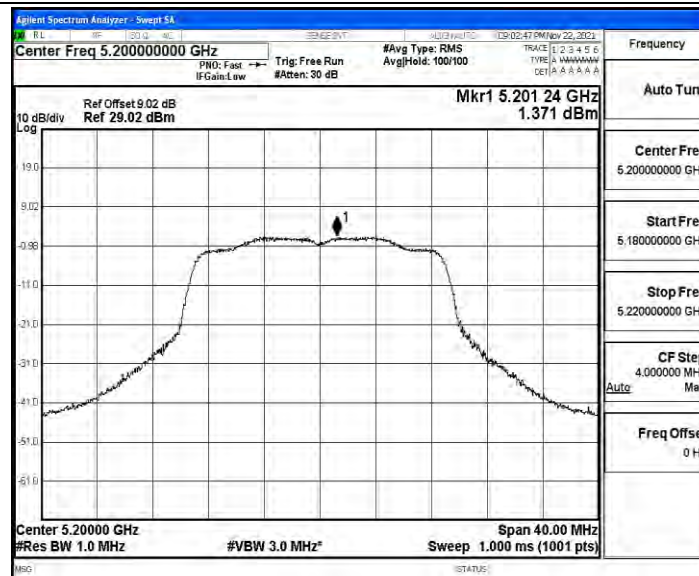
11N40SISO_Ant0_5230



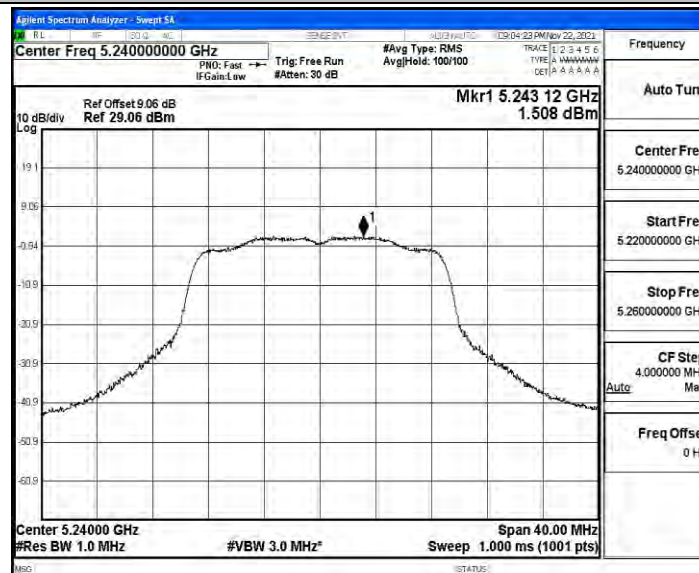
11AC20SISO_Ant0_5180



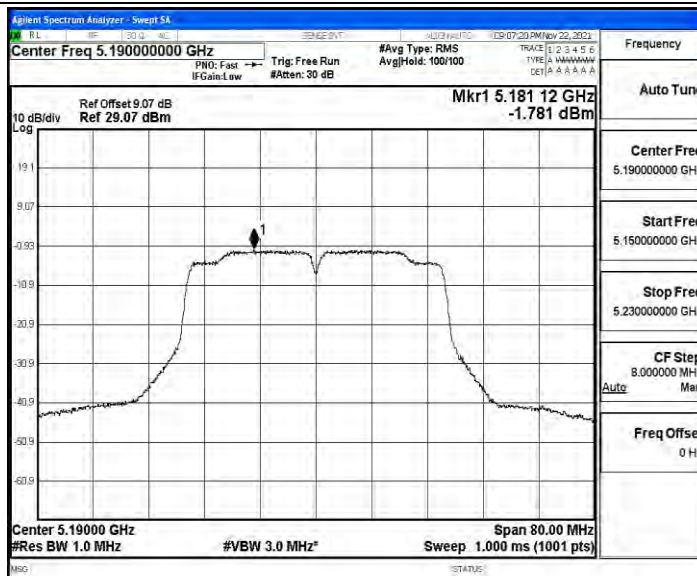
11AC20SISO_Ant0_5200



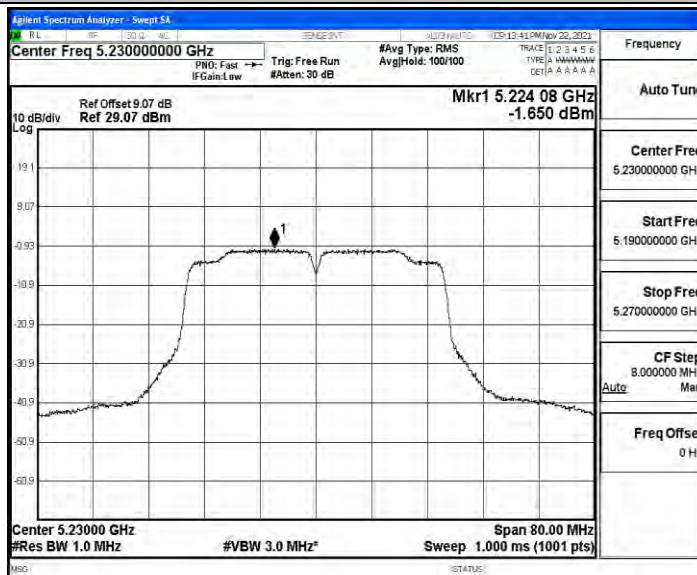
11AC20SISO_Ant0_5240



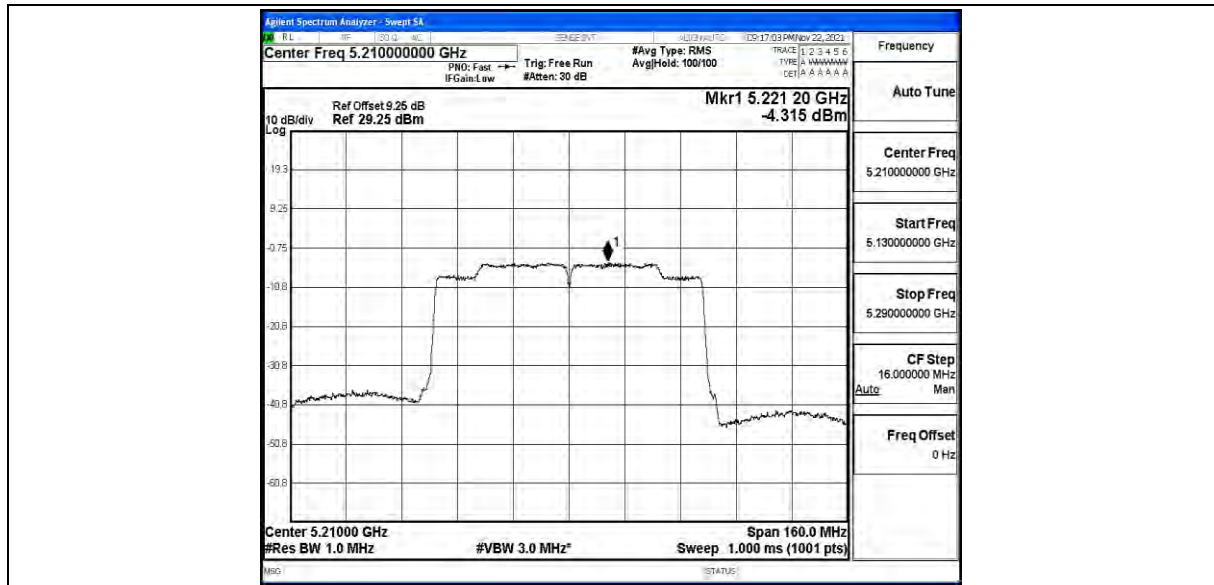
11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230



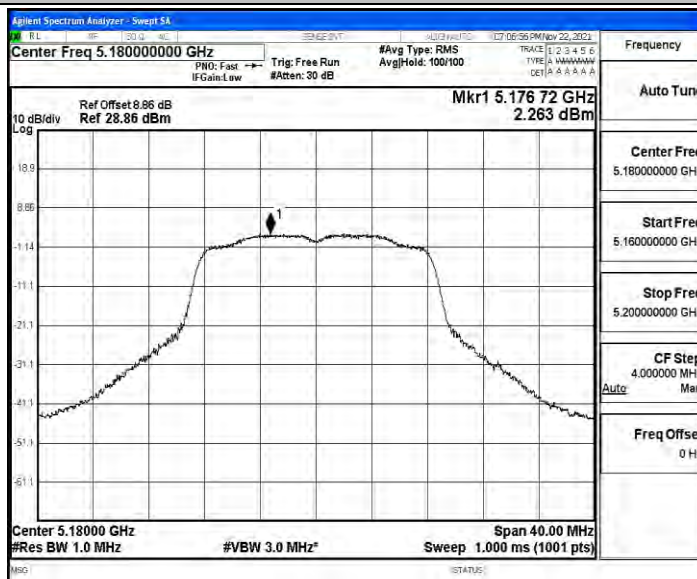
11AC80SISO_Ant0_5210



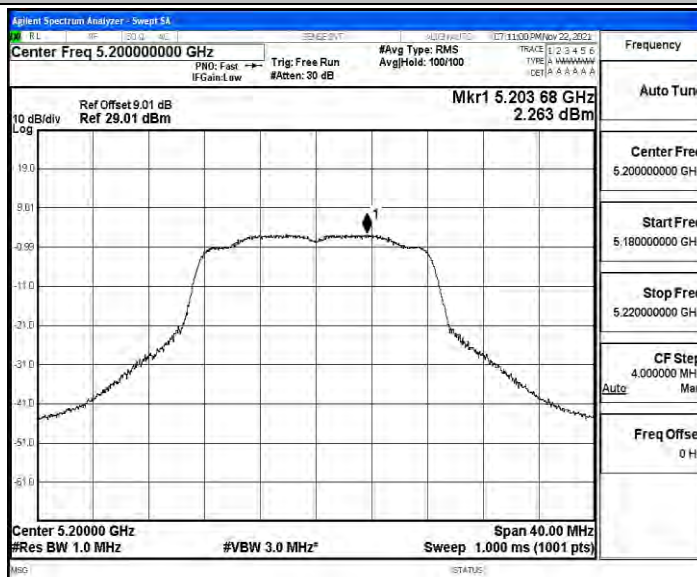


Test Graphs

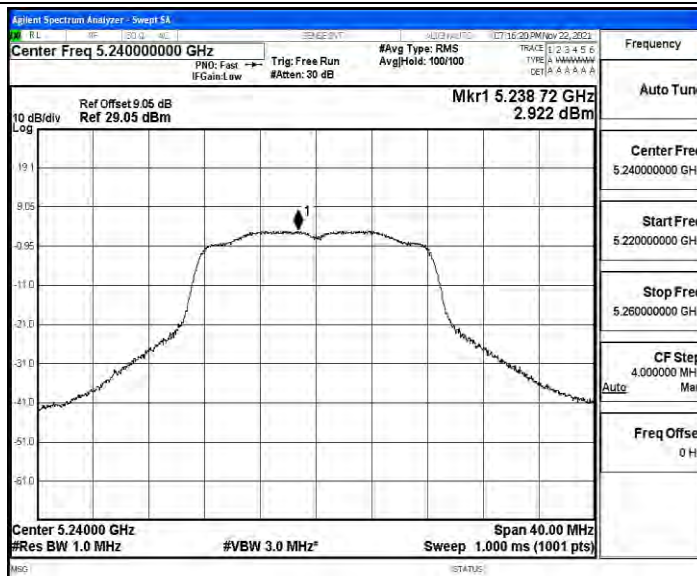
11A_Ant1_5180



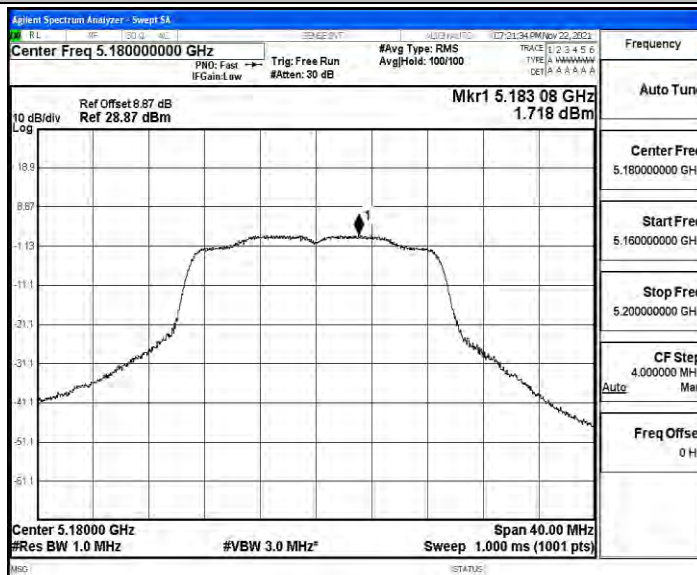
11A_Ant1_5200



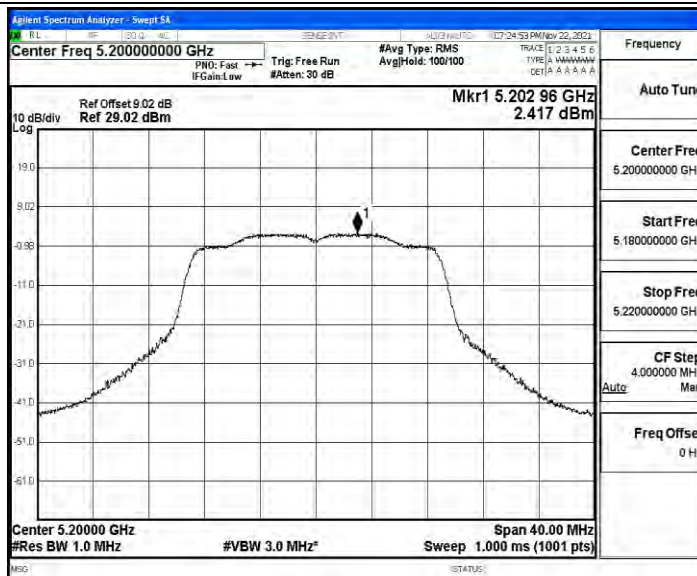
11A_Ant1_5240



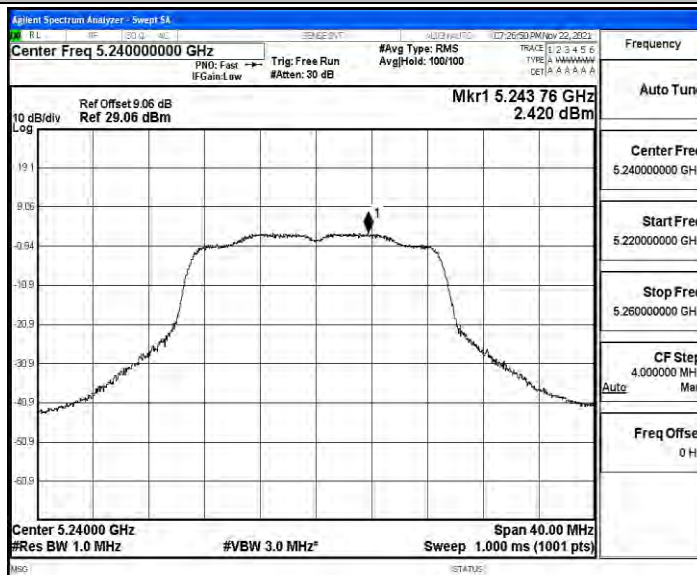
11N20SISO_Ant1_5180



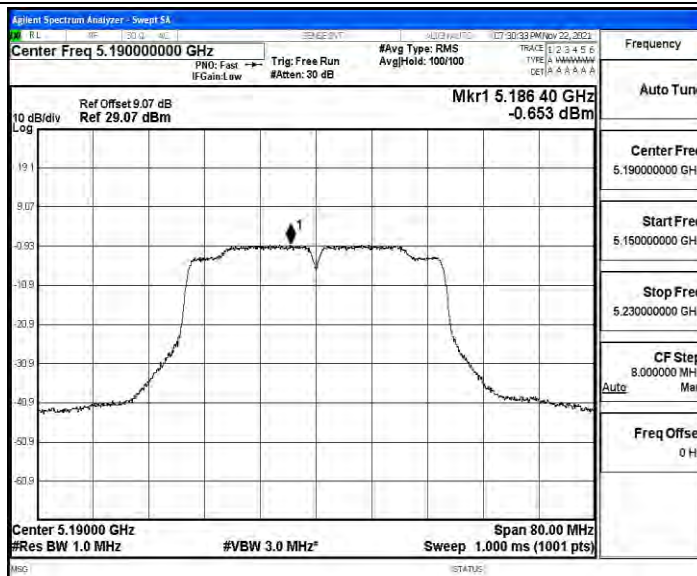
11N20SISO_Ant1_5200



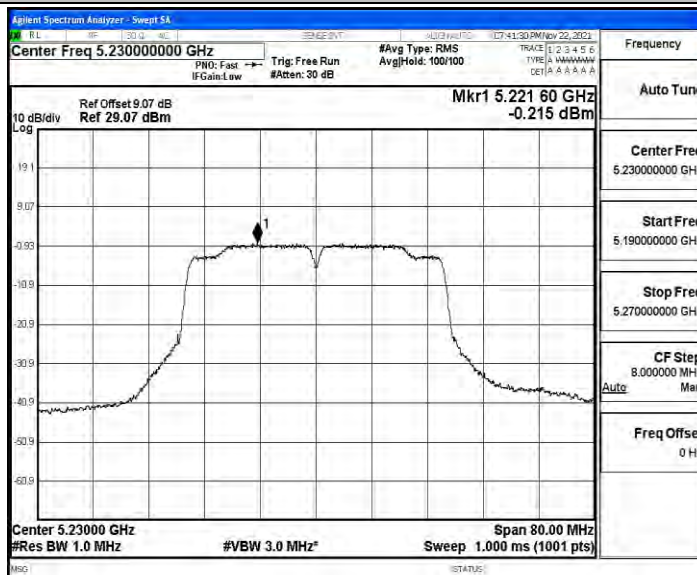
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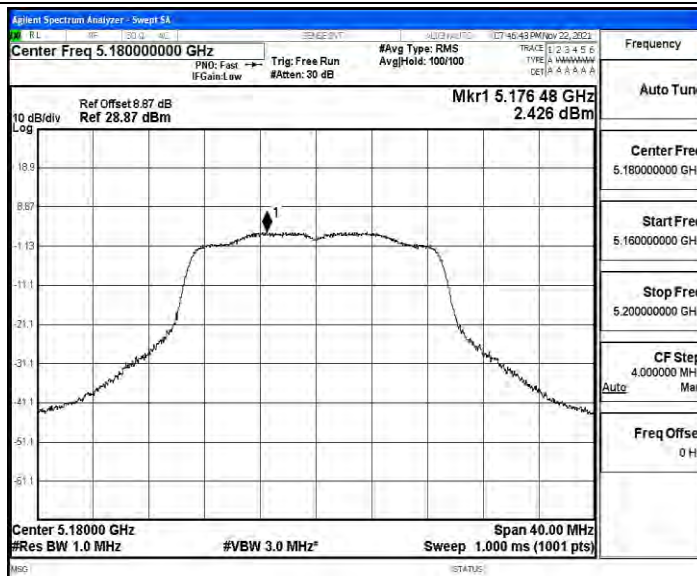
11N40SISO_Ant1_5190



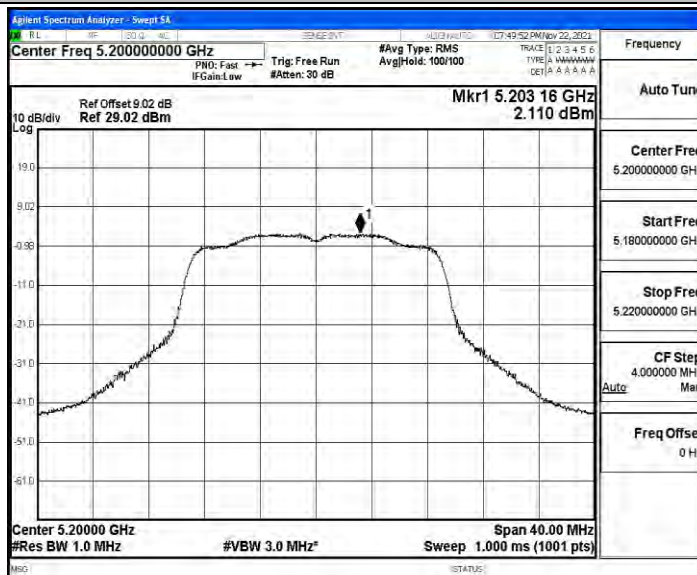
11N40SISO_Ant1_5230



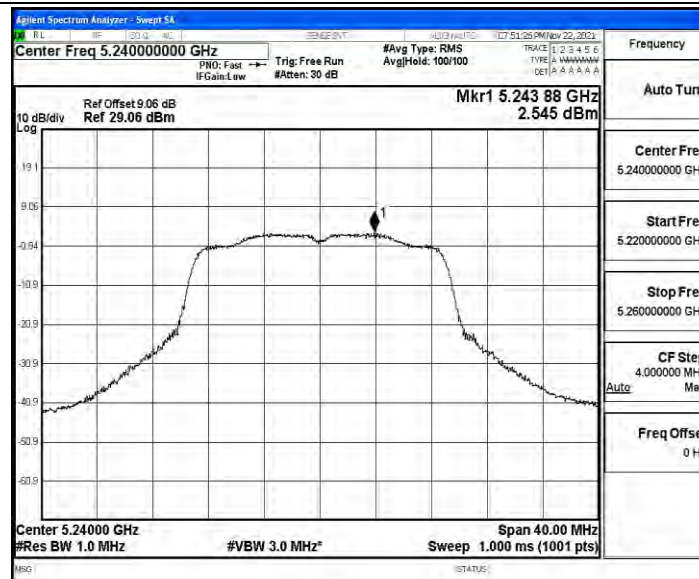
11AC20SISO_Ant1_5180



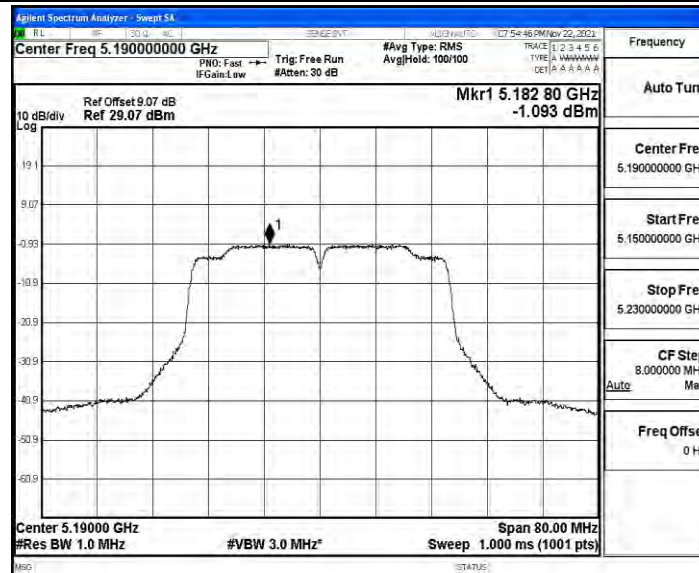
11AC20SISO_Ant1_5200



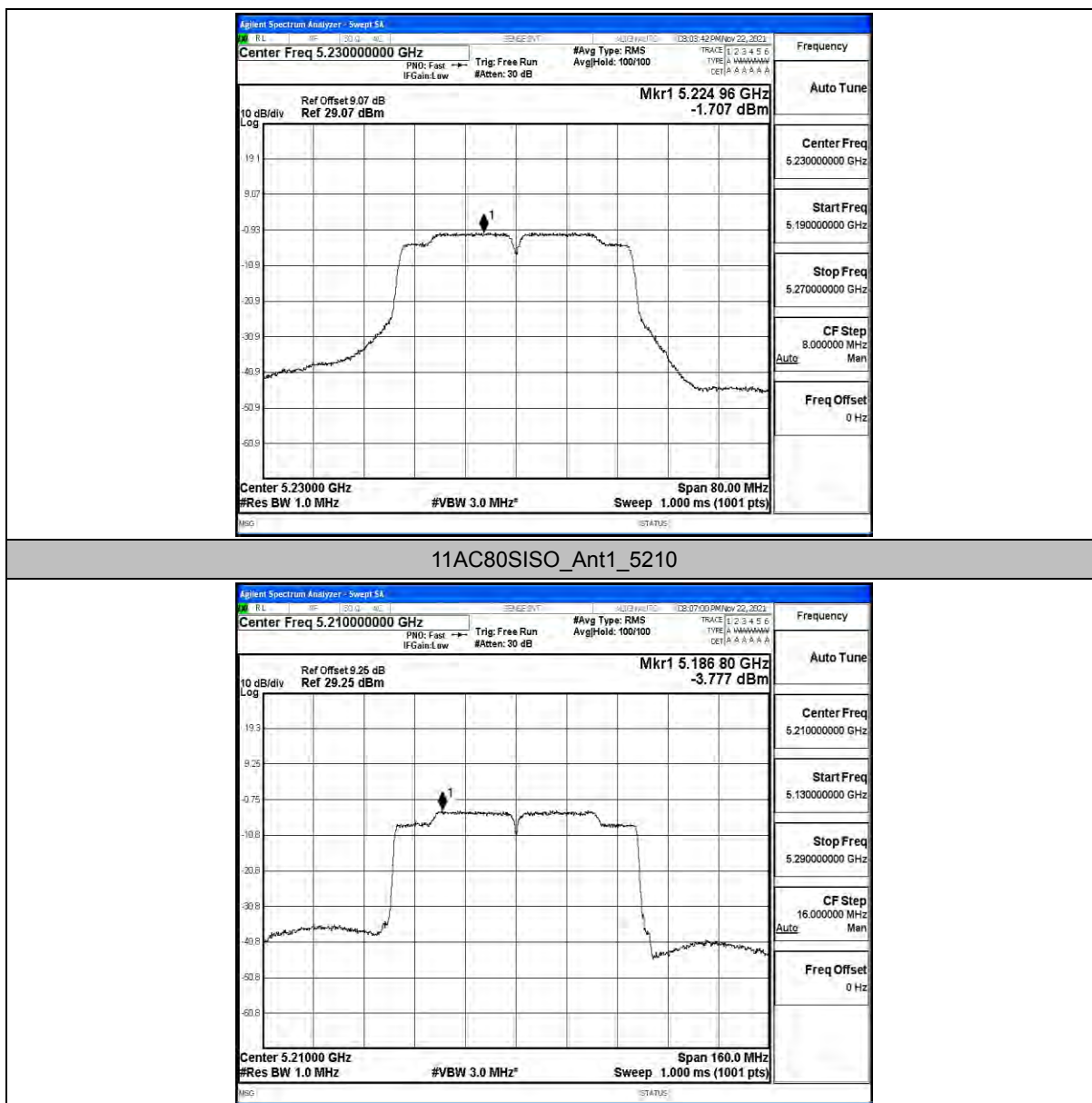
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230





D.4 Emissions in Restricted Bands

Test Result

Test Mode	Antenna	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant0	5180	AV	4500.000	-49.83	≤-41.20	45.37	≤54	PASS
			AV	5149.600	-47.23	≤-41.20	47.97	≤54	PASS
			AV	5150.000	-47.16	≤-41.20	48.04	≤54	PASS
			Peak	4500.000	-46.16	≤-21.20	49.04	≤74	PASS
			Peak	4937.500	-38.18	≤-21.20	57.02	≤74	PASS
			Peak	5150.000	-43.99	≤-21.20	51.21	≤74	PASS
		5240	AV	5350.000	-47.71	≤-41.20	47.49	≤54	PASS
			AV	5350.320	-47.71	≤-41.20	47.49	≤54	PASS
			AV	5460.000	-47.96	≤-41.20	47.24	≤54	PASS
			Peak	5350.000	-41.13	≤-21.20	54.07	≤74	PASS
			Peak	5454.480	-38.91	≤-21.20	56.29	≤74	PASS
			Peak	5460.000	-46.26	≤-21.20	48.94	≤74	PASS
11N20 SISO	Ant0	5180	AV	4500.000	-49.85	≤-41.20	45.35	≤54	PASS
			AV	5149.600	-47.18	≤-41.20	48.02	≤54	PASS
			AV	5150.000	-47.11	≤-41.20	48.09	≤54	PASS
			Peak	4500.000	-44.57	≤-21.20	50.63	≤74	PASS
			Peak	4789.800	-38.78	≤-21.20	56.42	≤74	PASS
			Peak	5150.000	-43.84	≤-21.20	51.36	≤74	PASS
		5240	AV	5350.000	-47.91	≤-41.20	47.29	≤54	PASS
			AV	5357.760	-47.84	≤-41.20	47.36	≤54	PASS
			AV	5460.000	-48.38	≤-41.20	46.82	≤54	PASS
			Peak	5350.000	-45.26	≤-21.20	49.94	≤74	PASS
			Peak	5433.840	-38.54	≤-21.20	56.66	≤74	PASS
			Peak	5460.000	-43.21	≤-21.20	51.99	≤74	PASS
11N40 SISO	Ant0	5190	AV	4500.000	-49.73	≤-41.20	45.47	≤54	PASS
			AV	4849.300	-47.74	≤-41.20	47.46	≤54	PASS
			AV	5150.000	-47.85	≤-41.20	47.35	≤54	PASS
			Peak	4500.000	-43.5	≤-21.20	51.70	≤74	PASS
			Peak	4803.800	-38.09	≤-21.20	57.11	≤74	PASS
			Peak	5150.000	-43.48	≤-21.20	51.72	≤74	PASS
		5230	AV	5350.000	-47.99	≤-41.20	47.21	≤54	PASS
			AV	5376.800	-47.95	≤-41.20	47.25	≤54	PASS
			AV	5460.000	-48.46	≤-41.20	46.74	≤54	PASS
			Peak	5350.000	-46.83	≤-21.20	48.37	≤74	PASS
			Peak	5369.000	-40.73	≤-21.20	54.47	≤74	PASS
			Peak	5460.000	-44.66	≤-21.20	50.54	≤74	PASS



11AC20 SISO	Ant0	5180	AV	4500.000	-49.84	≤-41.20	45.36	≤54	PASS
			AV	5149.600	-47.22	≤-41.20	47.98	≤54	PASS
			AV	5150.000	-47.13	≤-41.20	48.07	≤54	PASS
			Peak	4500.000	-46.66	≤-21.20	48.54	≤74	PASS
			Peak	4840.200	-39.16	≤-21.20	56.04	≤74	PASS
			Peak	5150.000	-46.87	≤-21.20	48.33	≤74	PASS
		5240	AV	5350.000	-47.91	≤-41.20	47.29	≤54	PASS
			AV	5351.280	-47.88	≤-41.20	47.32	≤54	PASS
			AV	5460.000	-48.36	≤-41.20	46.84	≤54	PASS
			Peak	5350.000	-43.51	≤-21.20	51.69	≤74	PASS
			Peak	5396.640	-38.97	≤-21.20	56.23	≤74	PASS
			Peak	5460.000	-44.13	≤-21.20	51.07	≤74	PASS
11AC40 SISO	Ant0	5190	AV	4500.000	-49.72	≤-41.20	45.48	≤54	PASS
			AV	4863.300	-47.73	≤-41.20	47.47	≤54	PASS
			AV	5150.000	-47.85	≤-41.20	47.35	≤54	PASS
			Peak	4500.000	-47.82	≤-21.20	47.38	≤74	PASS
			Peak	4728.900	-39.02	≤-21.20	56.18	≤74	PASS
			Peak	5150.000	-42.29	≤-21.20	52.91	≤74	PASS
		5230	AV	5350.000	-47.97	≤-41.20	47.23	≤54	PASS
			AV	5350.800	-47.96	≤-41.20	47.24	≤54	PASS
			AV	5460.000	-48.42	≤-41.20	46.78	≤54	PASS
			Peak	5350.000	-42.63	≤-21.20	52.57	≤74	PASS
			Peak	5436.600	-39.65	≤-21.20	55.55	≤74	PASS
			Peak	5460.000	-44.09	≤-21.20	51.11	≤74	PASS
11AC80 SISO	Ant0	5210	AV	4500.000	-49.38	≤-41.20	45.82	≤54	PASS
			AV	5141.250	-47.65	≤-41.20	47.55	≤54	PASS
			AV	5150.000	-48.18	≤-41.20	47.02	≤54	PASS
			Peak	4500.000	-44.53	≤-21.20	50.67	≤74	PASS
			Peak	4944.750	-37.95	≤-21.20	57.25	≤74	PASS
			Peak	5150.000	-41.28	≤-21.20	53.92	≤74	PASS
		5210	AV	5350.000	-48.19	≤-41.20	47.01	≤54	PASS
			AV	5354.160	-48.16	≤-41.20	47.04	≤54	PASS
			AV	5460.000	-48.44	≤-41.20	46.76	≤54	PASS
			Peak	5350.000	-44.43	≤-21.20	50.77	≤74	PASS
			Peak	5387.200	-40.17	≤-21.20	55.03	≤74	PASS
			Peak	5460.000	-45.06	≤-21.20	50.14	≤74	PASS

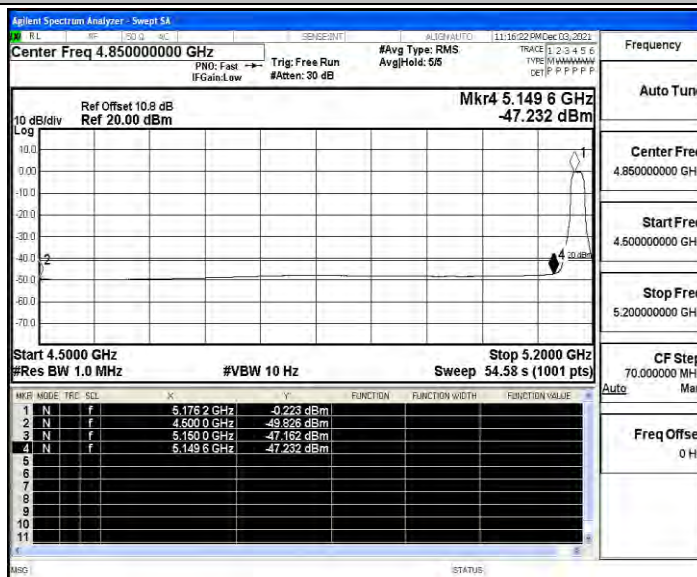
Note:

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.

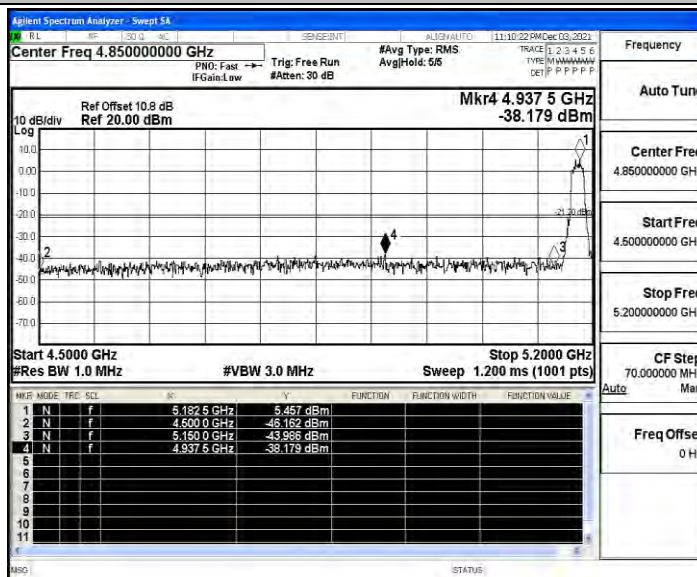


Test Graphs

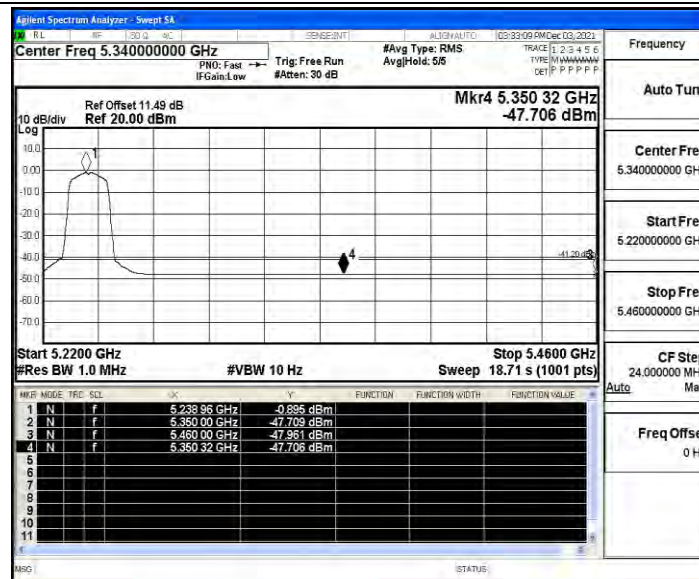
11A_Ant0_Low_5180_AV



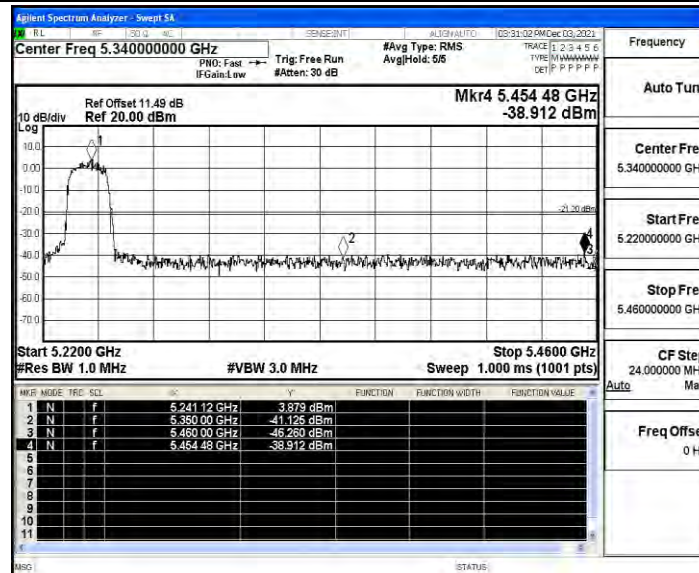
11A_Ant0_Low_5180_Peak



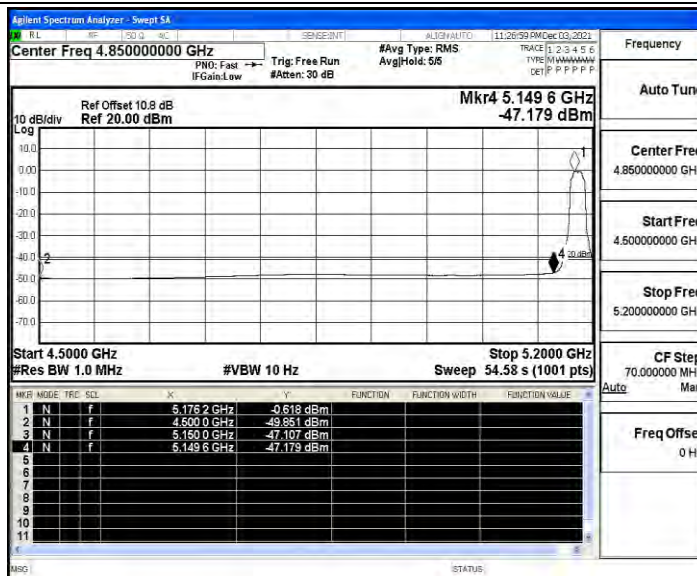
11A_Ant0_High_5240_AV



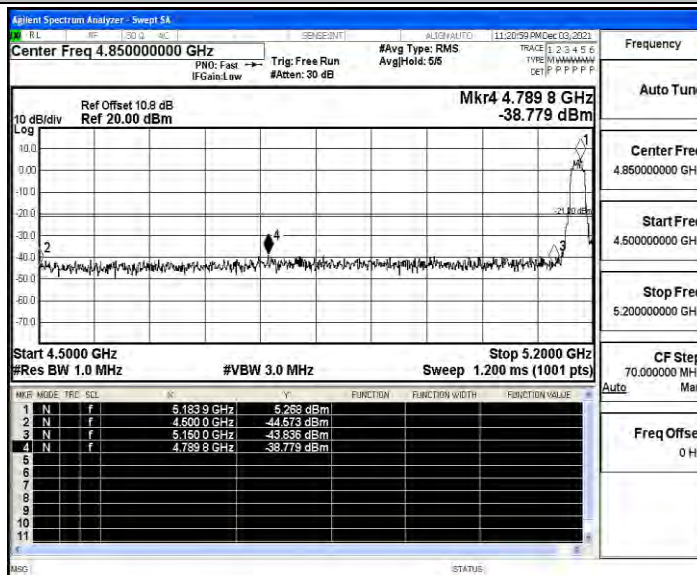
11A_Ant0_High_5240_Peak



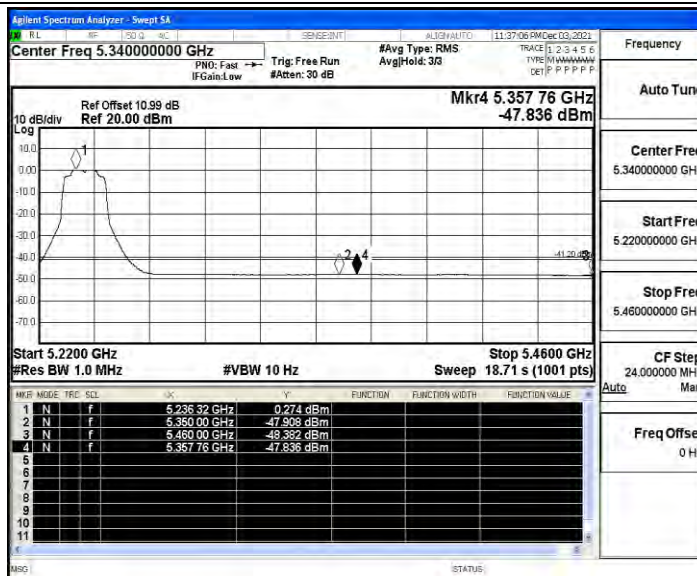
11N20SISO_Ant0_Low_5180_AV



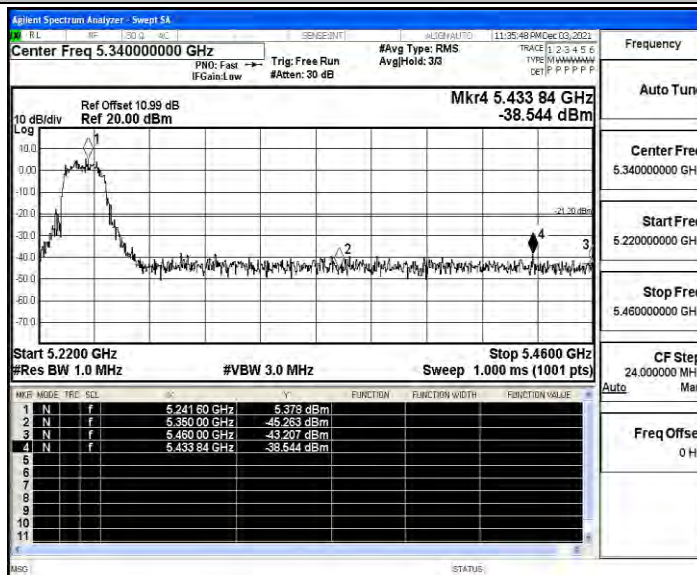
11N20SISO_Ant0_Low_5180_Peak



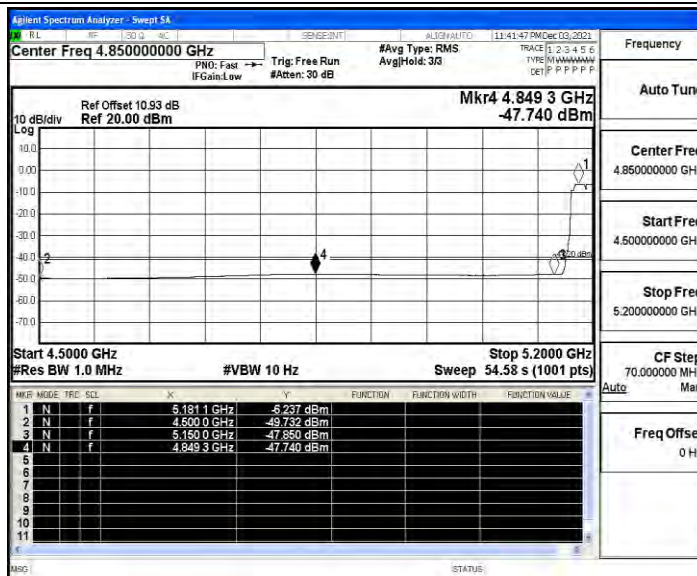
11N20SISO_Ant0_High_5240_AV



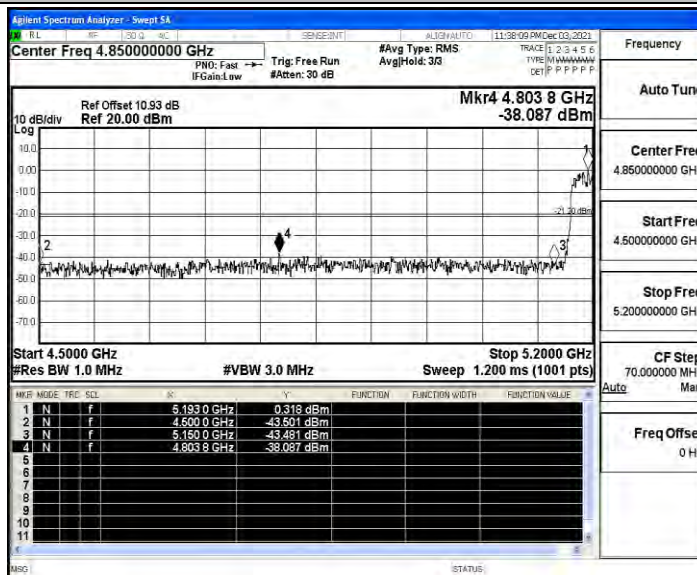
11N20SISO_Ant0_High_5240_Peak



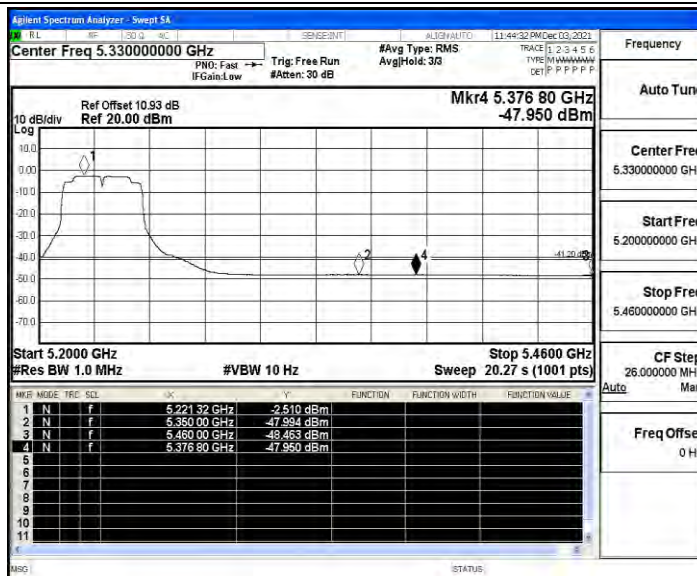
11N40SISO_Ant0_Low_5190_AV



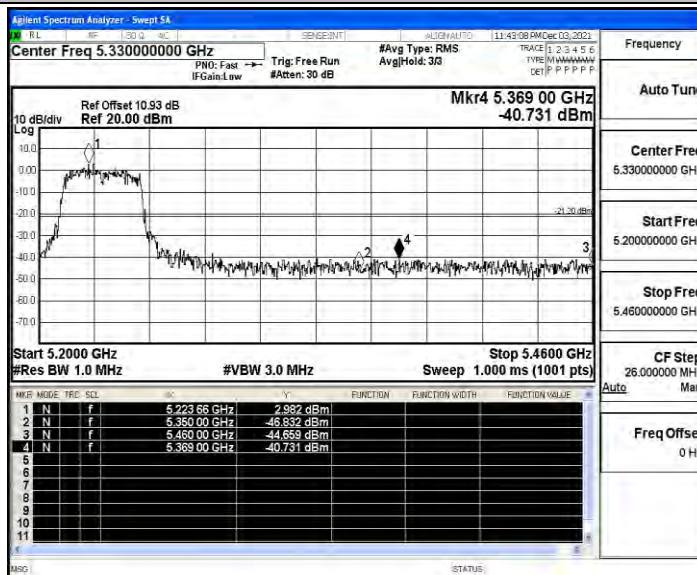
11N40SISO_Ant0_Low_5190_Peak



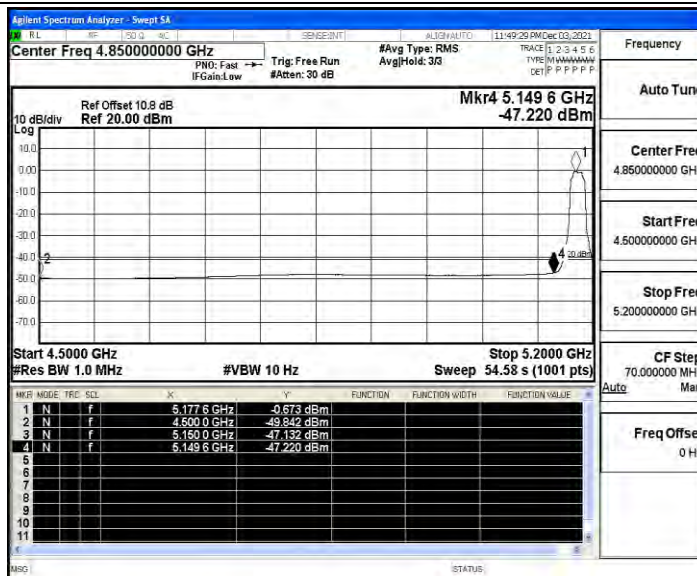
11N40SISO_Ant0_High_5230_AV



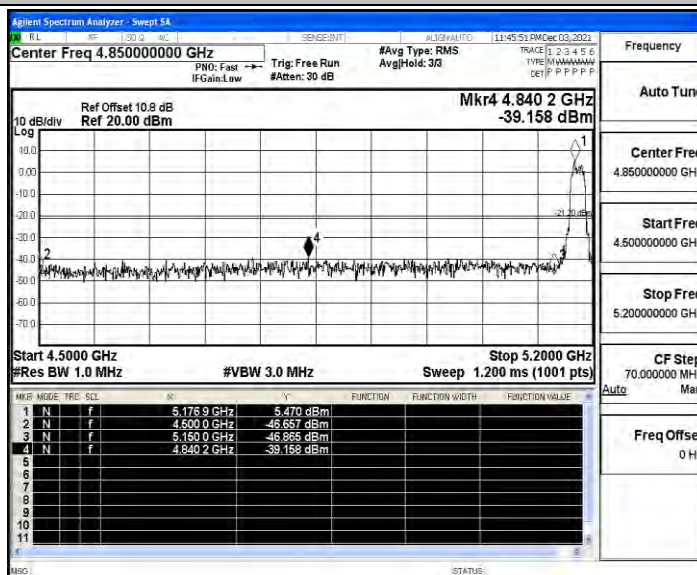
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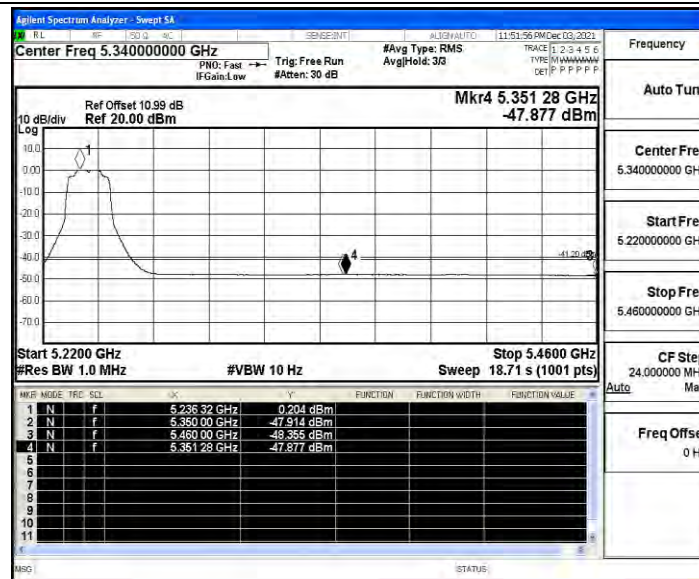
11AC20SISO_Ant0_Low_5180_AV



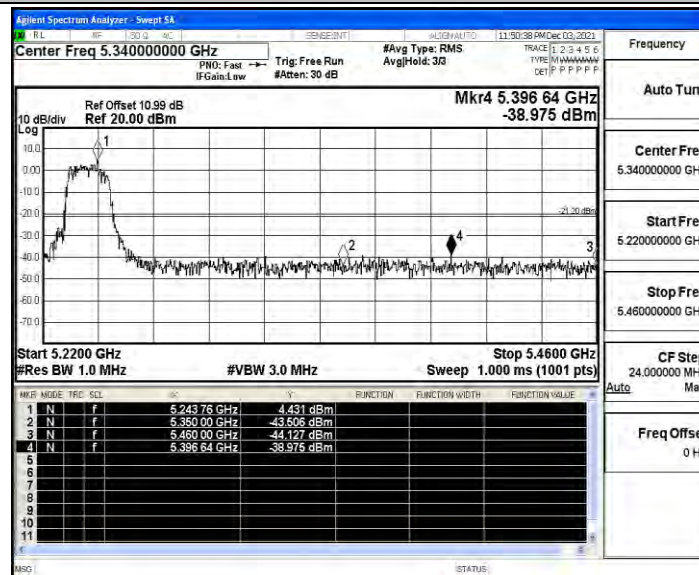
11AC20SISO_Ant0_Low_5180_Peak



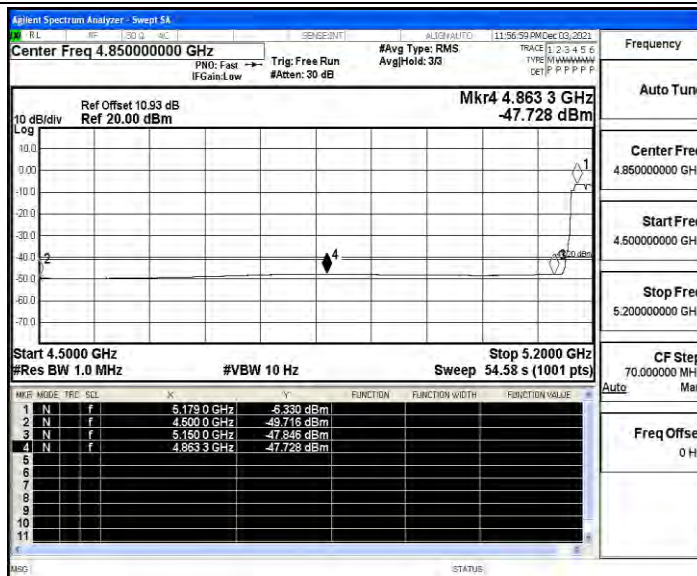
11AC20SISO_Ant0_High_5240_AV



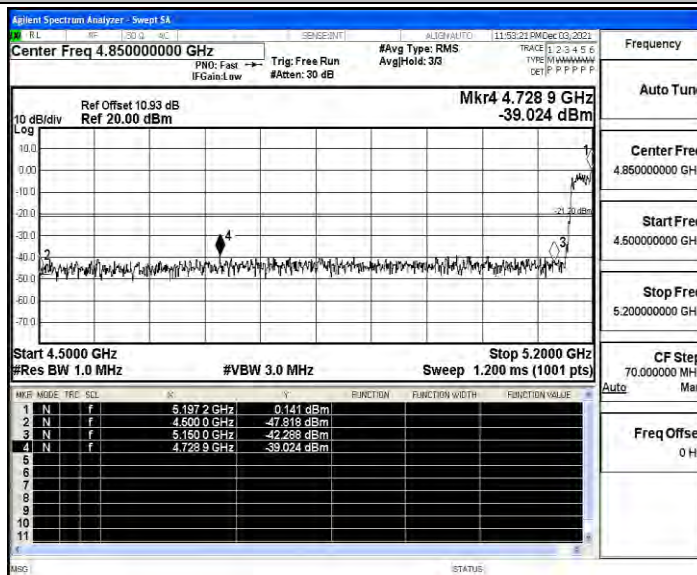
11AC20SISO_Ant0_High_5240_Peak



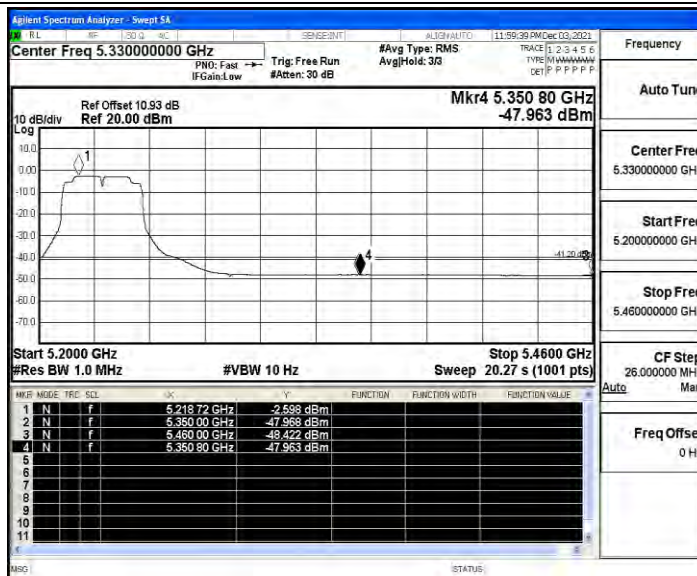
11AC40SISO_Ant0_Low_5190_AV



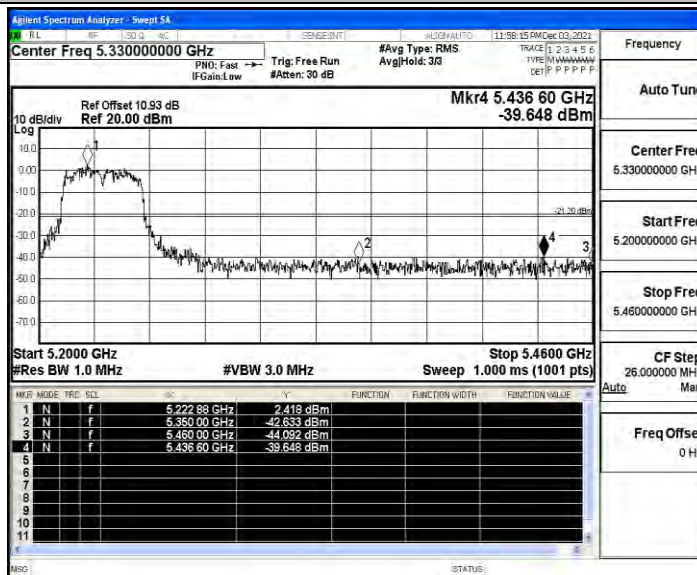
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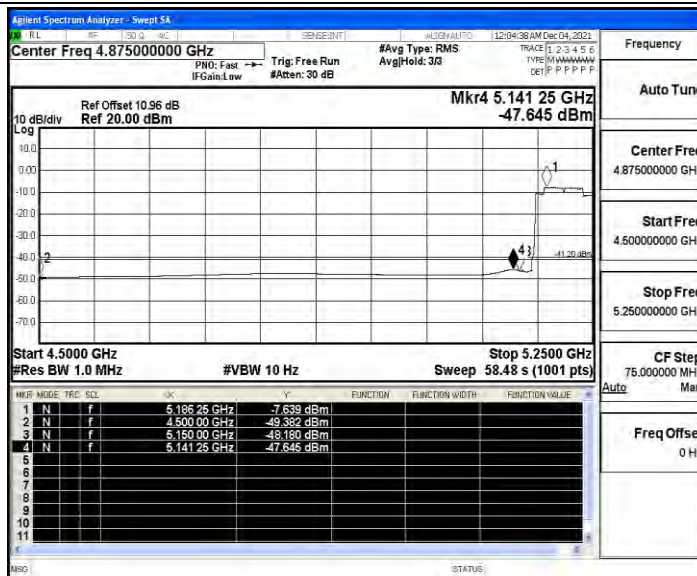
11AC40SISO_Ant0_High_5230_AV



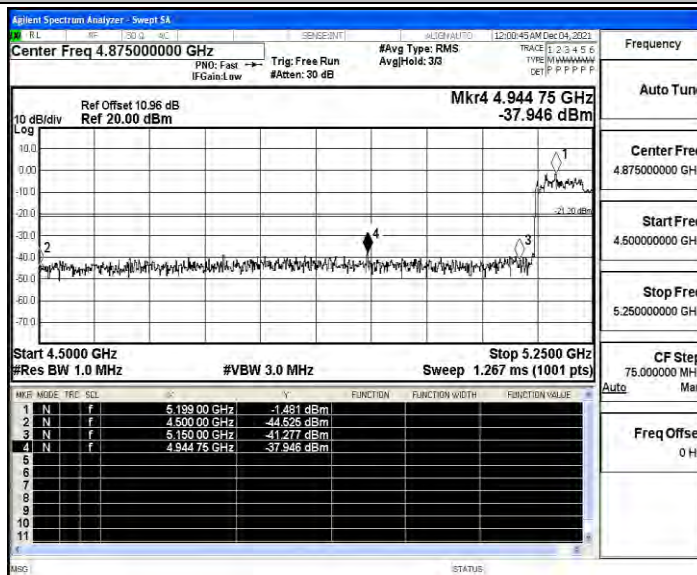
11AC40SISO_Ant0_High_5230_Peak



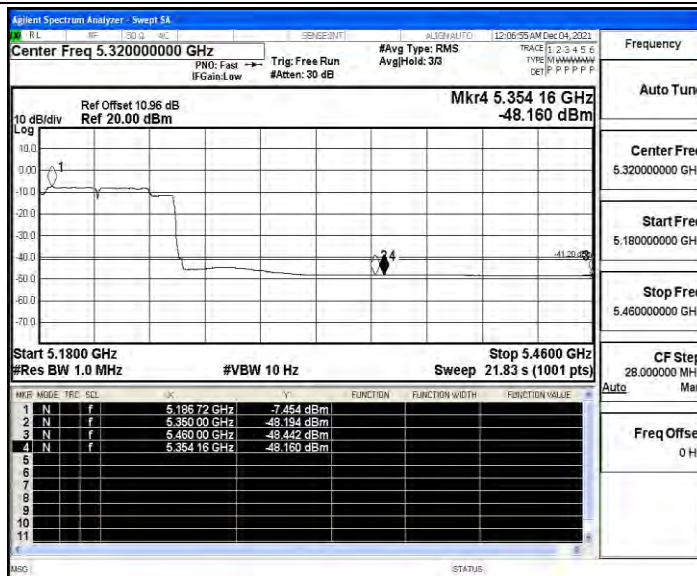
11AC80SISO_Ant0_Low_5210_AV



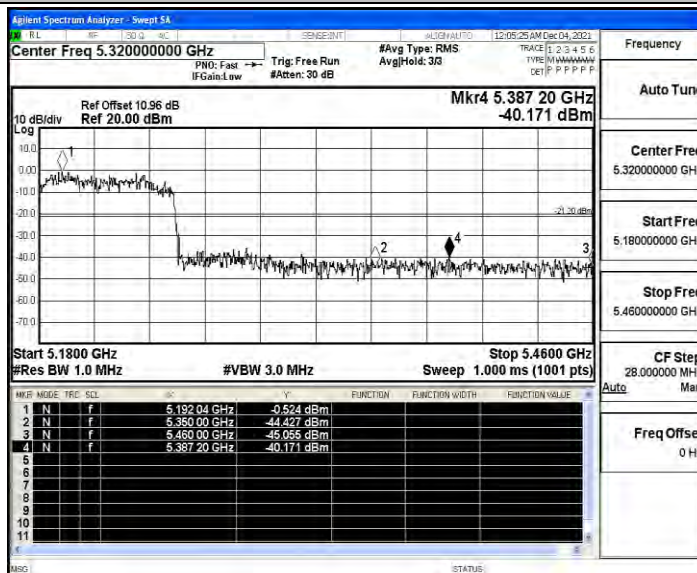
11AC80SISO_Ant0_Low_5210_Peak



11AC80SISO_Ant0_High_5210_AV



11AC80SISO_Ant0_High_5210_Peak





Test Mode	Antenna	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11A	Ant1	5180	AV	4500.000	-49.39	≤-41.20	45.81	≤54	PASS
			AV	5148.900	-47.49	≤-41.20	47.71	≤54	PASS
			AV	5150.000	-47.48	≤-41.20	47.72	≤54	PASS
			Peak	4500.000	-45.57	≤-21.20	49.63	≤74	PASS
			Peak	4934.700	-37.8	≤-21.20	57.40	≤74	PASS
			Peak	5150.000	-43.86	≤-21.20	51.34	≤74	PASS
		5240	AV	5350.000	-47.72	≤-41.20	47.48	≤54	PASS
			AV	5355.120	-47.72	≤-41.20	47.48	≤54	PASS
			AV	5460.000	-47.97	≤-41.20	47.23	≤54	PASS
			Peak	5350.000	-43.9	≤-21.20	51.30	≤74	PASS
			Peak	5400.960	-38.39	≤-21.20	56.81	≤74	PASS
			Peak	5460.000	-45.58	≤-21.20	49.62	≤74	PASS
11N20 SISO	Ant1	5180	AV	4500.000	-49.37	≤-41.20	45.83	≤54	PASS
			AV	5149.600	-47.49	≤-41.20	47.71	≤54	PASS
			AV	5150.000	-47.46	≤-41.20	47.74	≤54	PASS
			Peak	4500.000	-43.23	≤-21.20	51.97	≤74	PASS
			Peak	5144.700	-37.58	≤-21.20	57.62	≤74	PASS
			Peak	5150.000	-41.48	≤-21.20	53.72	≤74	PASS
		5240	AV	5350.000	-47.67	≤-41.20	47.53	≤54	PASS
			AV	5350.560	-47.61	≤-41.20	47.59	≤54	PASS
			AV	5460.000	-47.98	≤-41.20	47.22	≤54	PASS
			Peak	5350.000	-41.2	≤-21.20	54.00	≤74	PASS
			Peak	5403.840	-38.29	≤-21.20	56.91	≤74	PASS
			Peak	5460.000	-45.09	≤-21.20	50.11	≤74	PASS
11N40 SISO	Ant1	5190	AV	4500.000	-49.25	≤-41.20	45.95	≤54	PASS
			AV	5149.600	-46.76	≤-41.20	48.47	≤54	PASS
			AV	5150.000	-46.6	≤-41.20	48.63	≤54	PASS
			Peak	4500.000	-43.89	≤-21.20	51.31	≤74	PASS
			Peak	5133.500	-38.68	≤-21.20	56.52	≤74	PASS
			Peak	5150.000	-41.6	≤-21.20	53.60	≤74	PASS
		5230	AV	5350.000	-47.84	≤-41.20	47.36	≤54	PASS
			AV	5353.140	-47.8	≤-41.20	47.40	≤54	PASS
			AV	5460.000	-48.06	≤-41.20	47.14	≤54	PASS
			Peak	5350.000	-41.93	≤-21.20	53.27	≤74	PASS
			Peak	5364.580	-38.85	≤-21.20	56.35	≤74	PASS
			Peak	5460.000	-39.91	≤-21.20	55.29	≤74	PASS
11AC20 SISO	Ant1	5180	AV	4500.000	-49.41	≤-41.20	45.79	≤54	PASS
			AV	5148.900	-47.49	≤-41.20	47.71	≤54	PASS
			AV	5150.000	-47.45	≤-41.20	47.75	≤54	PASS
			Peak	4500.000	-42.67	≤-21.20	52.53	≤74	PASS

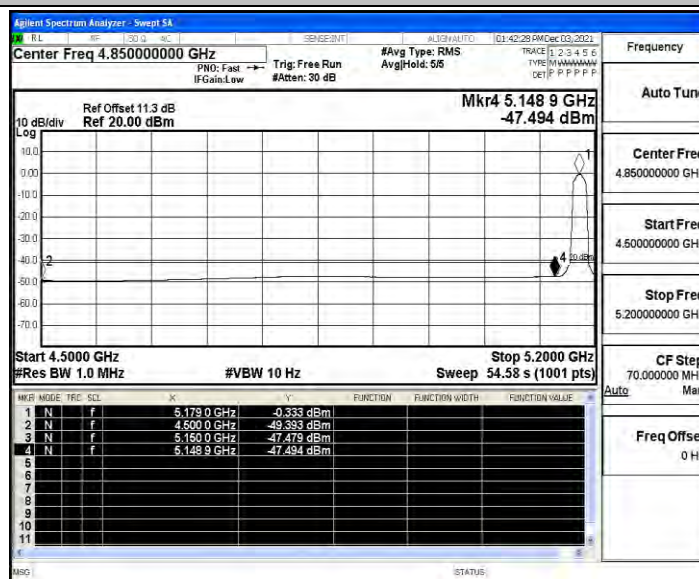


		5240	Peak	5053.700	-38.23	≤-21.20	56.97	≤74	PASS
			Peak	5150.000	-40.84	≤-21.20	54.36	≤74	PASS
			AV	5350.000	-47.63	≤-41.20	47.57	≤54	PASS
			AV	5350.080	-47.63	≤-41.20	47.57	≤54	PASS
			AV	5460.000	-47.98	≤-41.20	47.22	≤54	PASS
			Peak	5350.000	-44.43	≤-21.20	50.77	≤74	PASS
			Peak	5438.400	-38.88	≤-21.20	56.32	≤74	PASS
			Peak	5460.000	-41.21	≤-21.20	53.99	≤74	PASS
11AC40 SISO	Ant1	5190	AV	4500.000	-49.24	≤-41.20	45.96	≤54	PASS
			AV	5149.600	-46.78	≤-41.20	48.42	≤54	PASS
			AV	5150.000	-46.56	≤-41.20	48.64	≤54	PASS
			Peak	4500.000	-46.59	≤-21.20	48.61	≤74	PASS
			Peak	5148.200	-37.31	≤-21.20	57.89	≤74	PASS
			Peak	5150.000	-39.76	≤-21.20	55.44	≤74	PASS
		5230	AV	5350.000	-47.83	≤-41.20	47.37	≤54	PASS
			AV	5359.120	-47.81	≤-41.20	47.39	≤54	PASS
			AV	5460.000	-48.06	≤-41.20	47.14	≤54	PASS
			Peak	5350.000	-43.48	≤-21.20	51.72	≤74	PASS
			Peak	5398.640	-39.42	≤-21.20	55.78	≤74	PASS
			Peak	5460.000	-42.8	≤-21.20	52.40	≤74	PASS
11AC80 SISO	Ant1	5210	AV	4500.000	-49.23	≤-41.20	45.97	≤54	PASS
			AV	5149.500	-46.23	≤-41.20	48.97	≤54	PASS
			AV	5150.000	-46.23	≤-41.20	48.97	≤54	PASS
			Peak	4500.000	-44.01	≤-21.20	51.19	≤74	PASS
			Peak	5135.250	-34.31	≤-21.20	60.89	≤74	PASS
			Peak	5150.000	-38.57	≤-21.20	56.63	≤74	PASS
		5210	AV	5350.000	-47.83	≤-41.20	47.37	≤54	PASS
			AV	5352.480	-47.81	≤-41.20	47.39	≤54	PASS
			AV	5460.000	-48.02	≤-41.20	47.18	≤54	PASS
			Peak	5350.000	-43.13	≤-21.20	52.07	≤74	PASS
			Peak	5441.800	-39.13	≤-21.20	56.07	≤74	PASS
			Peak	5460.000	-41.91	≤-21.20	53.29	≤74	PASS

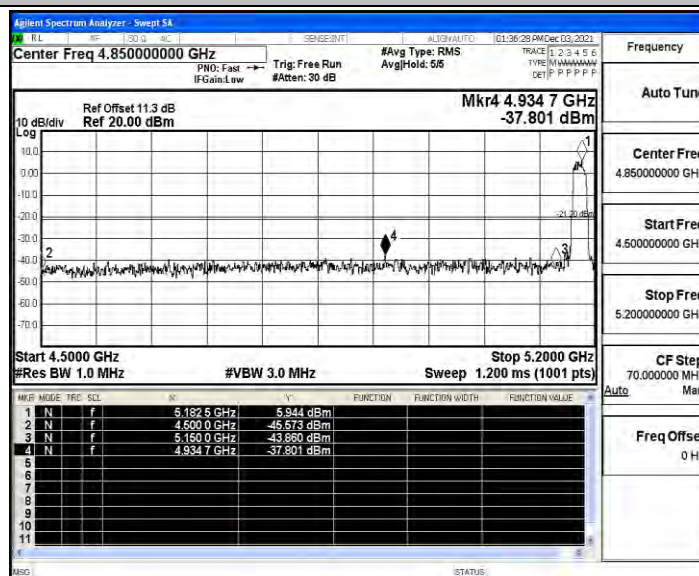


Test Graphs

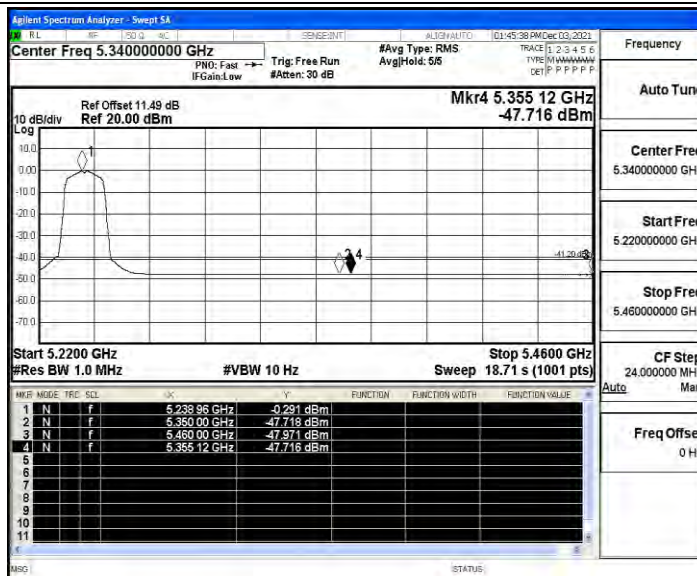
11A_Ant1_Low_5180_AV



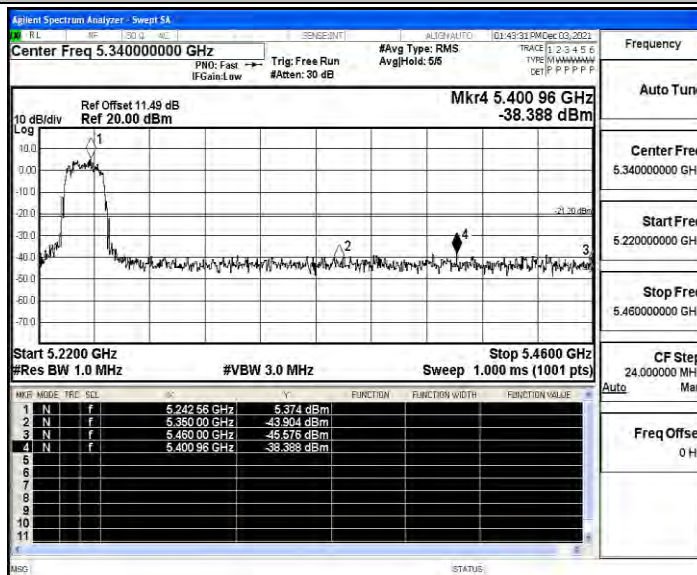
11A_Ant1_Low_5180_Peak



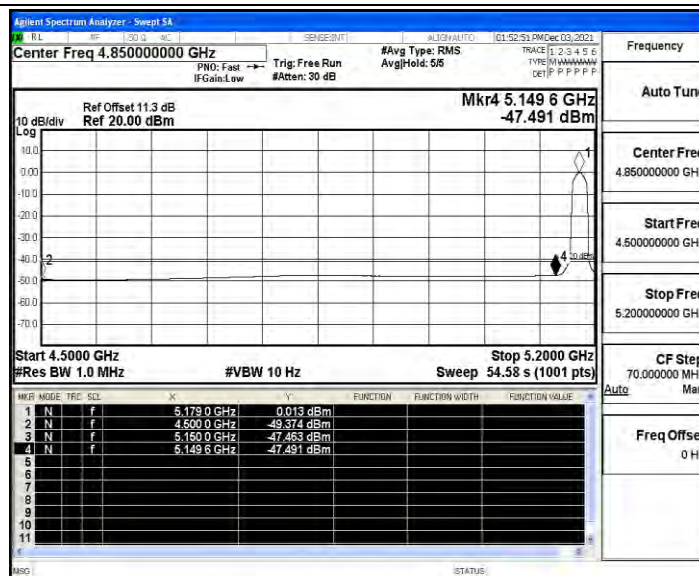
11A_Ant1_High_5240_AV



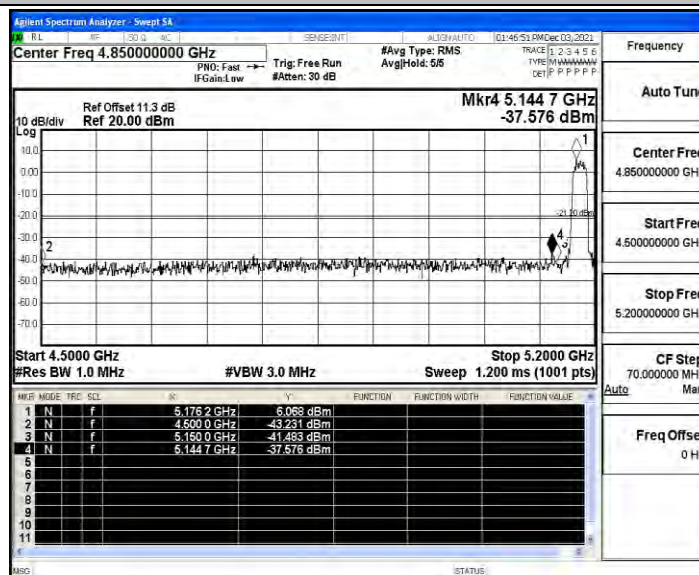
11A_Ant1_High_5240_Peak



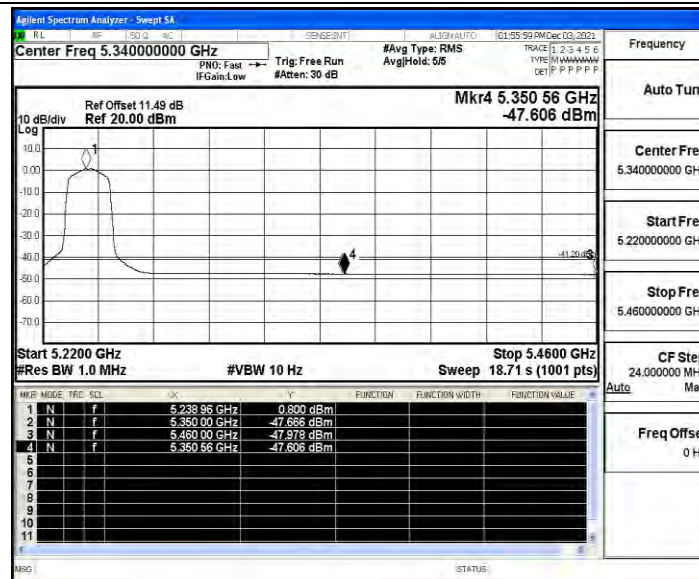
11N20SISO_Ant1_Low_5180_AV



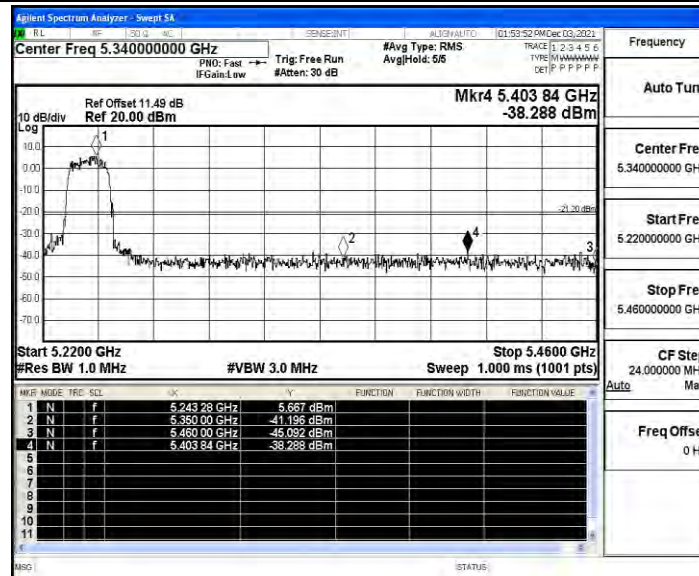
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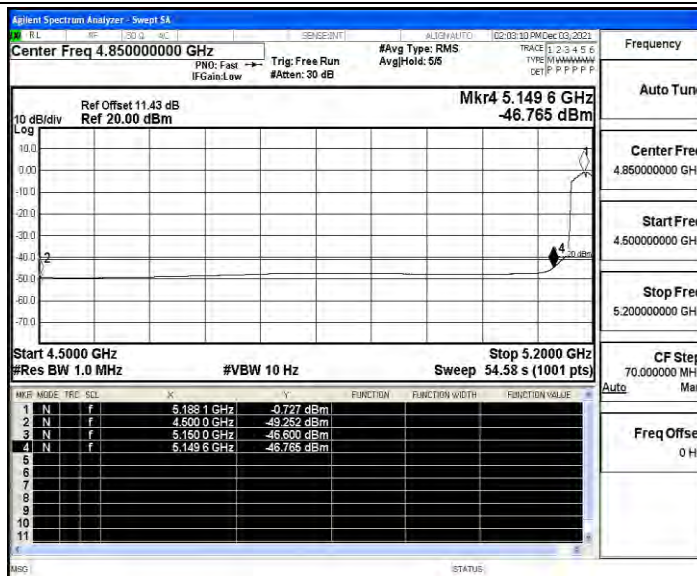
11N20SISO_Ant1_High_5240_AV



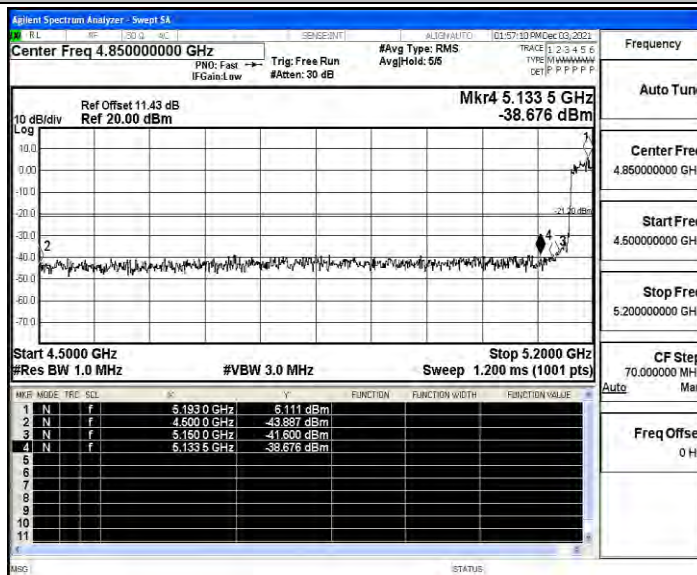
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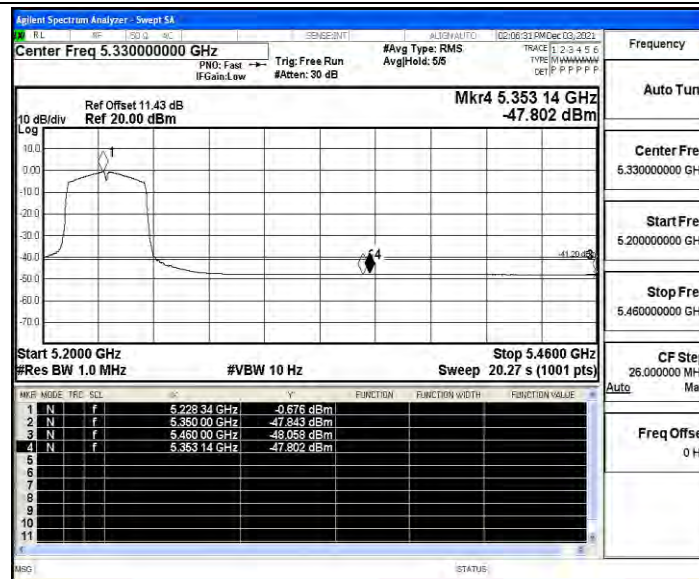
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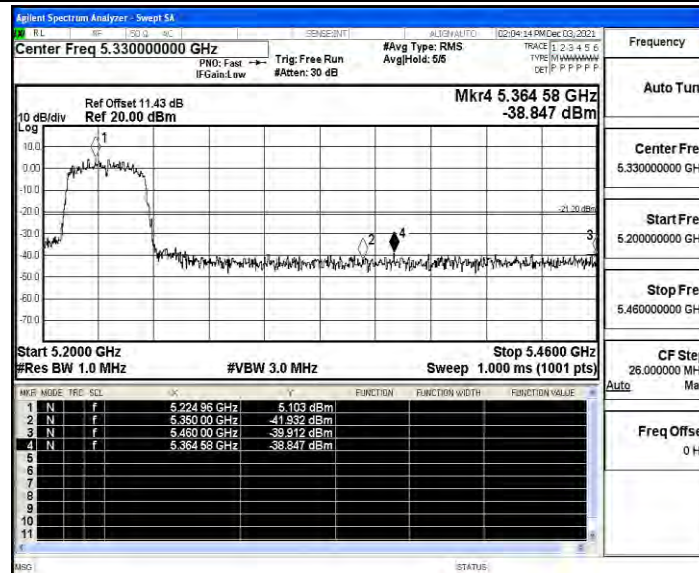
11N40SISO_Ant1_Low_5190_Peak



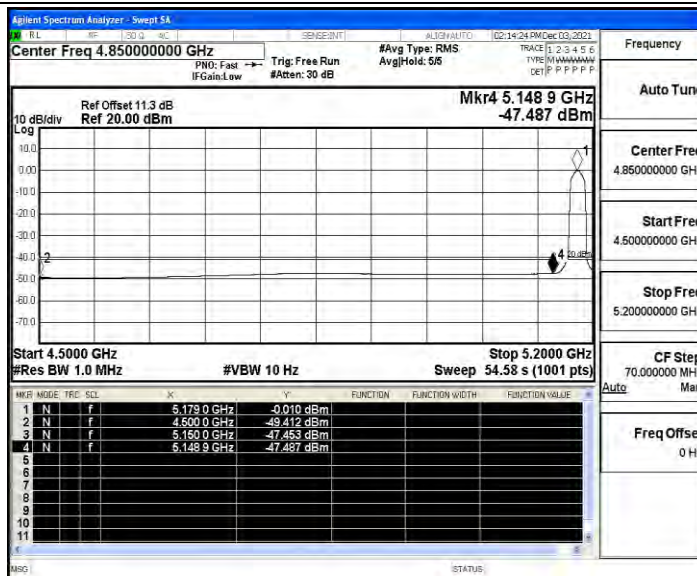
11N40SISO_Ant1_High_5230_AV



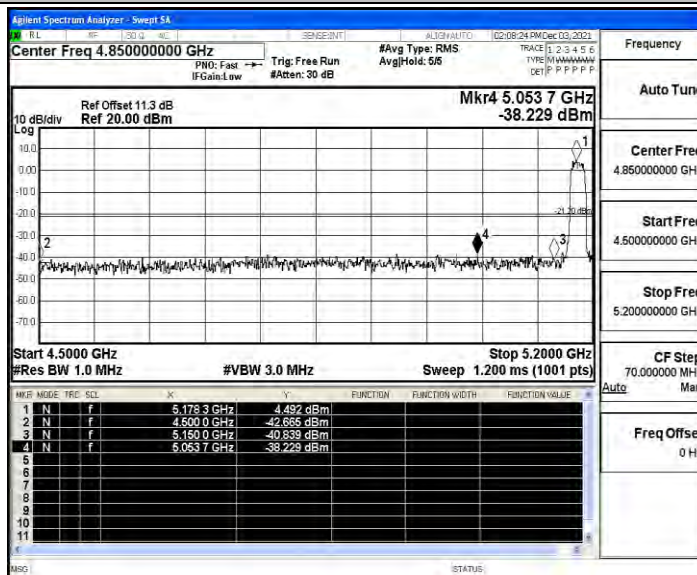
11N40SISO_Ant1_High_5230_Peak



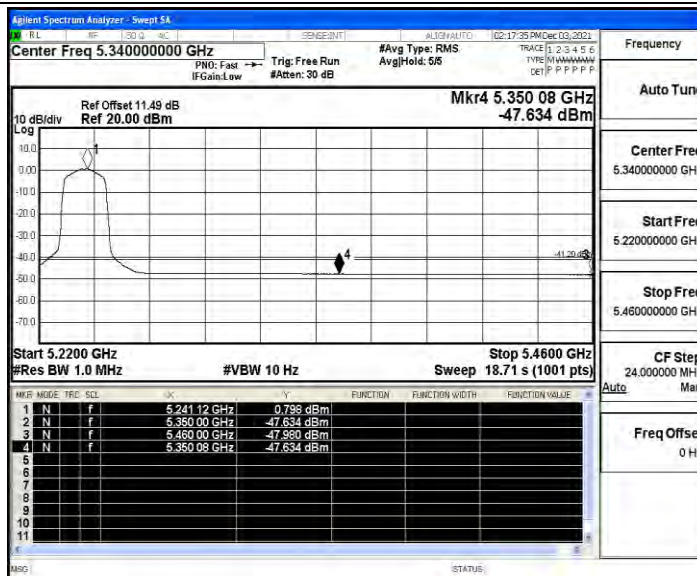
11AC20SISO_Ant1_Low_5180_AV



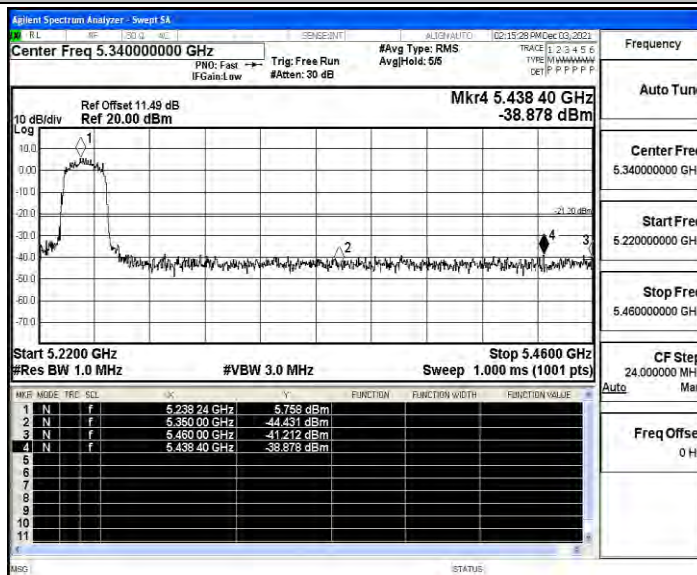
11AC20SISO_Ant1_Low_5180_Peak



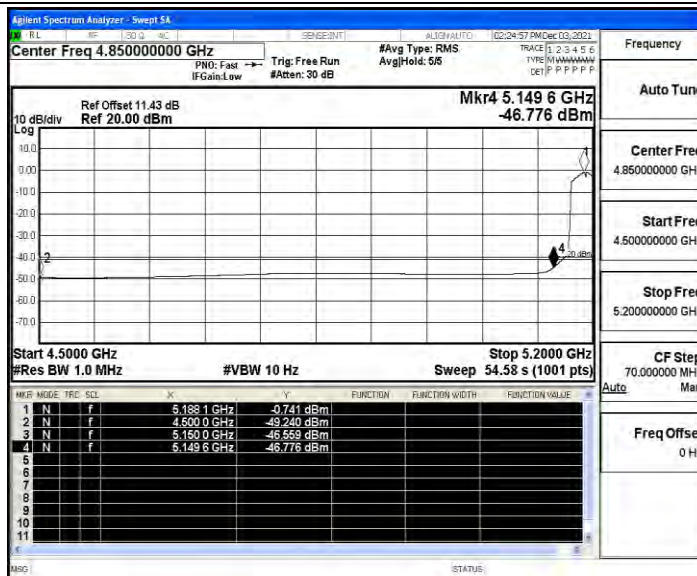
11AC20SISO_Ant1_High_5240_AV



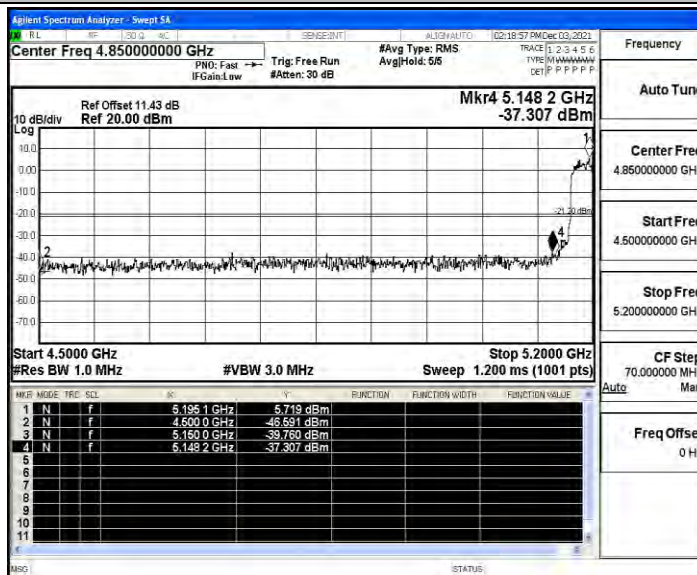
11AC20SISO_Ant1_High_5240_Peak



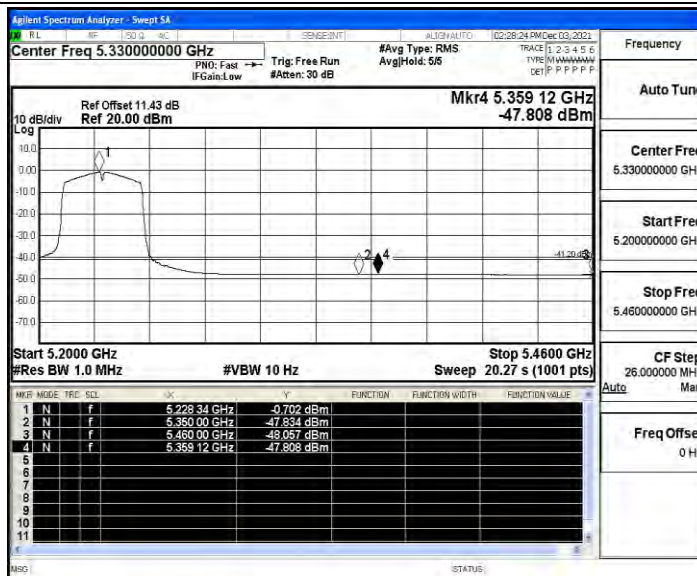
11AC40SISO_Ant1_Low_5190_AV



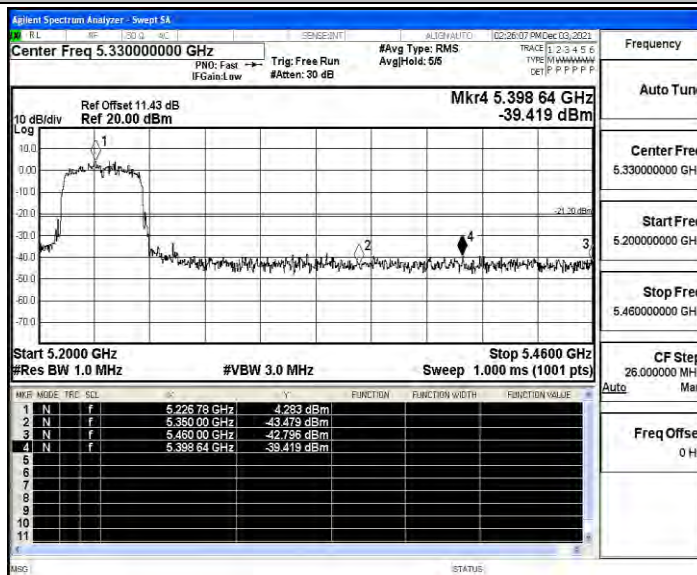
11AC40SISO_Ant1_Low_5190_Peak



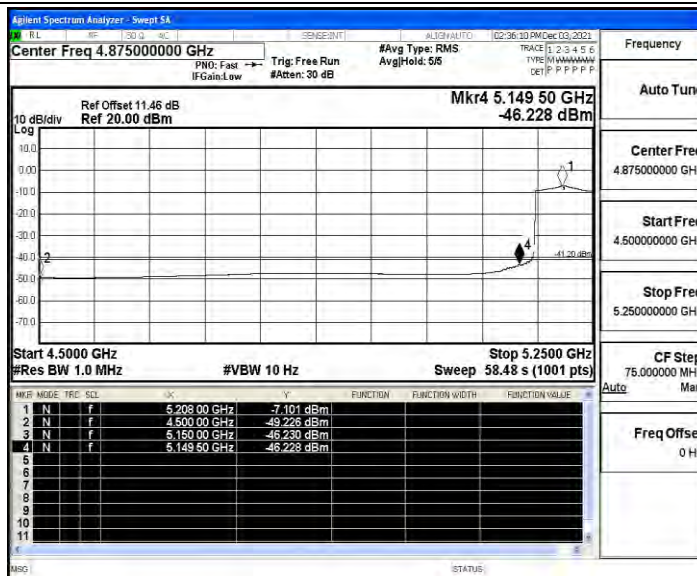
11AC40SISO_Ant1_High_5230_AV



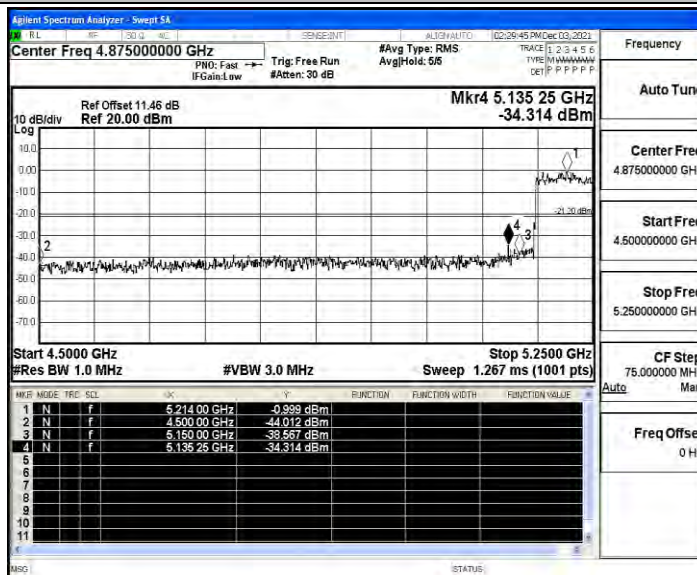
11AC40SISO_Ant1_High_5230_Peak



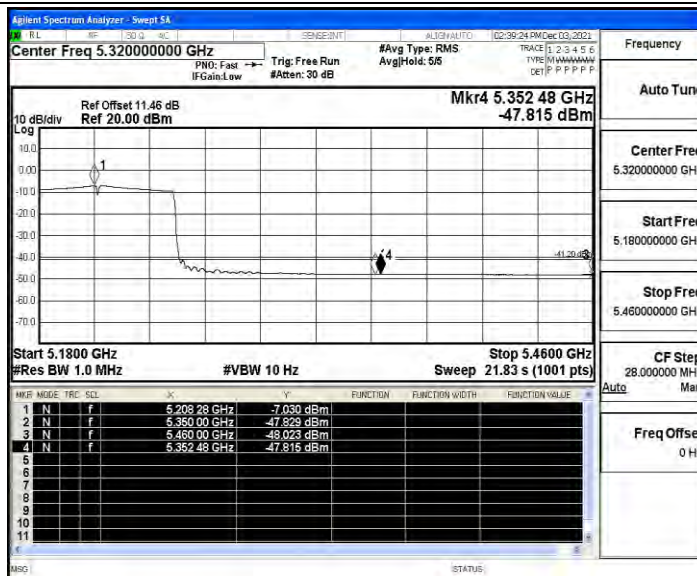
11AC80SISO_Ant1_Low_5210_AV



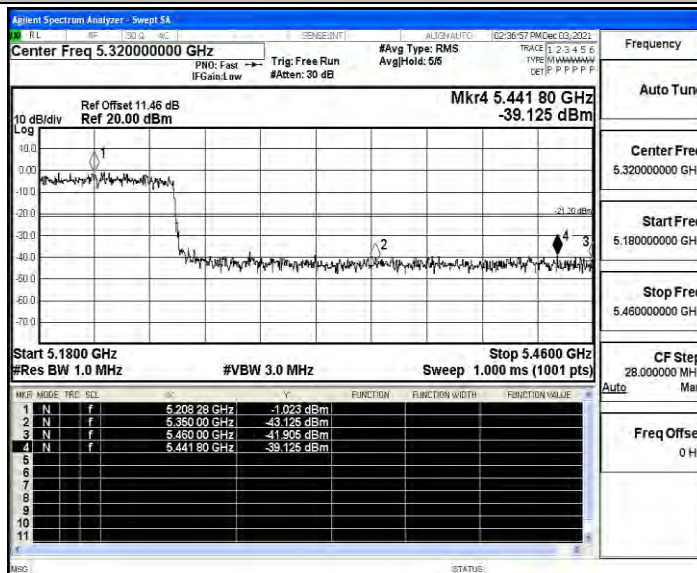
11AC80SISO_Ant1_Low_5210_Peak



11AC80SISO_Ant1_High_5210_AV



11AC80SISO_Ant1_High_5210_Peak





MIMO

Test Mode	Channel	Detector	Freq. [MHz]	Emissions Level (dBm)			Emissions [dBuV/m]	Limit [dBuV/m]	Verdict
				Ant0	Ant1	Sum			
11N20 MIMO	5180	AV	4500.000	-49.85	-49.37	-46.59	50.64	≤54	PASS
		AV	5149.600	-47.18	-47.49	-44.32	52.91	≤54	PASS
		AV	5150.000	-47.11	-47.46	-44.27	52.96	≤54	PASS
		Peak	4500.000	-44.57	-43.23	-40.84	56.39	≤68.2	PASS
		Peak	4789.800	-38.78	-37.58	-35.13	62.10	≤68.2	PASS
		Peak	5150.000	-43.84	-41.48	-39.49	57.74	≤68.2	PASS
	5240	AV	5350.000	-47.91	-47.67	-44.78	52.45	≤54	PASS
		AV	5357.760	-47.84	-47.61	-44.71	52.52	≤54	PASS
		AV	5460.000	-48.38	-47.98	-45.17	52.06	≤54	PASS
		Peak	5350.000	-45.26	-41.2	-39.76	57.47	≤68.2	PASS
		Peak	5433.840	-38.54	-38.29	-35.40	61.83	≤68.2	PASS
		Peak	5460.000	-43.21	-45.09	-41.04	56.19	≤68.2	PASS
11N40 MIMO	5190	AV	4500.000	-49.73	-49.25	-46.47	50.76	≤54	PASS
		AV	4849.300	-47.74	-46.76	-44.21	53.02	≤54	PASS
		AV	5150.000	-47.85	-46.6	-44.17	53.06	≤54	PASS
		Peak	4500.000	-43.5	-43.89	-40.68	56.55	≤68.2	PASS
		Peak	4803.800	-38.09	-38.68	-35.36	61.87	≤68.2	PASS
		Peak	5150.000	-43.48	-41.6	-39.43	57.80	≤68.2	PASS
	5230	AV	5350.000	-47.99	-47.84	-44.90	52.33	≤54	PASS
		AV	5376.800	-47.95	-47.8	-44.86	52.37	≤54	PASS
		AV	5460.000	-48.46	-48.06	-45.25	51.98	≤54	PASS
		Peak	5350.000	-46.83	-41.93	-40.71	56.52	≤68.2	PASS
		Peak	5369.000	-40.73	-38.85	-36.68	60.55	≤68.2	PASS
		Peak	5460.000	-44.66	-39.91	-38.66	58.57	≤68.2	PASS
11AC20 MIMO	5180	AV	4500.000	-49.84	-49.41	-46.61	50.62	≤54	PASS
		AV	5149.600	-47.22	-47.49	-44.34	52.89	≤54	PASS
		AV	5150.000	-47.13	-47.45	-44.28	52.95	≤54	PASS
		Peak	4500.000	-46.66	-42.67	-41.21	56.02	≤68.2	PASS
		Peak	4840.200	-39.16	-38.23	-35.66	61.57	≤68.2	PASS
		Peak	5150.000	-46.87	-40.84	-39.87	57.36	≤68.2	PASS
	5240	AV	5350.000	-47.91	-47.63	-44.76	52.47	≤54	PASS
		AV	5351.280	-47.88	-47.63	-44.74	52.49	≤54	PASS
		AV	5460.000	-48.36	-47.98	-45.16	52.07	≤54	PASS
		Peak	5350.000	-43.51	-44.43	-40.94	56.29	≤68.2	PASS
		Peak	5396.640	-38.97	-38.88	-35.91	61.32	≤68.2	PASS
		Peak	5460.000	-44.13	-41.21	-39.42	57.81	≤68.2	PASS
11AC40 MIMO	5190	AV	4500.000	-49.72	-49.24	-46.46	50.77	≤54	PASS
		AV	4863.300	-47.73	-48.78	-45.21	52.02	≤54	PASS



		AV	5150.000	-47.85	-48.56	-45.18	52.05	≤54	PASS
		Peak	4500.000	-47.82	-46.59	-44.15	53.08	≤68.2	PASS
		Peak	4728.900	-39.02	-37.31	-35.07	62.16	≤68.2	PASS
		Peak	5150.000	-42.29	-39.76	-37.83	59.40	≤68.2	PASS
	5230	AV	5350.000	-47.97	-47.83	-44.89	52.34	≤54	PASS
		AV	5350.800	-47.96	-47.81	-44.87	52.36	≤54	PASS
		AV	5460.000	-48.42	-48.06	-45.23	52.00	≤54	PASS
		Peak	5350.000	-42.63	-43.48	-40.02	57.21	≤68.2	PASS
		Peak	5436.600	-39.65	-39.42	-36.52	60.71	≤68.2	PASS
		Peak	5460.000	-44.09	-42.8	-40.39	56.84	≤68.2	PASS
11AC80 MIMO	5210	AV	4500.000	-49.38	-49.23	-46.29	50.94	≤54	PASS
		AV	5141.250	-47.65	-46.23	-43.87	53.36	≤54	PASS
		AV	5150.000	-48.18	-46.23	-44.09	53.14	≤54	PASS
		Peak	4500.000	-44.53	-44.01	-41.25	55.98	≤68.2	PASS
		Peak	4944.750	-37.95	-34.31	-32.75	64.48	≤68.2	PASS
		Peak	5150.000	-41.28	-38.57	-36.71	60.52	≤68.2	PASS
	5210	AV	5350.000	-48.19	-47.83	-45.00	52.23	≤54	PASS
		AV	5354.160	-48.16	-47.81	-44.97	52.26	≤54	PASS
		AV	5460.000	-48.44	-48.02	-45.21	52.02	≤54	PASS
		Peak	5350.000	-44.43	-43.13	-40.72	56.51	≤68.2	PASS
		Peak	5387.200	-40.17	-39.13	-36.61	60.62	≤68.2	PASS
		Peak	5460.000	-45.06	-41.91	-40.20	57.03	≤68.2	PASS



D.5 Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20Si SO	Ant0	5180	NV	NT	-26000	-5.019305	20	PASS
			LV	NT	-26000	-5.019305	20	PASS
			HV	NT	-26000	-5.019305	20	PASS
		5200	NV	NT	-26000	-5.004100	20	PASS
			LV	NT	-27000	-5.192308	20	PASS
			HV	NT	-27000	-5.192308	20	PASS
		5240	NV	NT	-26000	-4.961832	20	PASS
			LV	NT	-26000	-4.961832	20	PASS
			HV	NT	-26000	-4.961832	20	PASS
11AC40Si SO	Ant0	5190	NV	NT	-25000	-4.816956	20	PASS
			LV	NT	-26000	-5.009634	20	PASS
			HV	NT	-26000	-5.009634	20	PASS
		5230	NV	NT	-27000	-5.162524	20	PASS
			LV	NT	-26000	-4.971319	20	PASS
			HV	NT	-25000	-4.780115	20	PASS
11AC80Si SO	Ant0	5210	NV	NT	-26000	-4.990403	20	PASS
			LV	NT	-26000	-4.990403	20	PASS
			HV	NT	-26000	-4.990403	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20Si SO	Ant0	5180	NV	-30	-25000	-4.826255	20	PASS
			NV	-20	-25000	-4.826255	20	PASS
			NV	-10	-25000	-4.826255	20	PASS
			NV	0	-25000	-4.826255	20	PASS
			NV	10	-26000	-5.019305	20	PASS
			NV	20	-26000	-5.019305	20	PASS
			NV	30	-26000	-5.019305	20	PASS
			NV	40	-26000	-5.019305	20	PASS
			NV	50	-26000	-5.019305	20	PASS
		5200	NV	-30	-27000	-5.192308	20	PASS
			NV	-20	-26000	-5	20	PASS
			NV	-10	-26000	-5	20	PASS
			NV	0	-25000	-4.807692	20	PASS
			NV	10	-26000	-5	20	PASS
			NV	20	-26000	-5	20	PASS



			NV	20	-27000	-5.192308	20	PASS
			NV	30	-26000	-5	20	PASS
			NV	40	-27000	-5.192308	20	PASS
			NV	50	-26000	-5	20	PASS
		5240	NV	-30	-26000	-4.961832	20	PASS
			NV	-20	-26000	-4.961832	20	PASS
			NV	-10	-27000	-5.152672	20	PASS
			NV	0	-27000	-5.152672	20	PASS
			NV	10	-27000	-5.152672	20	PASS
			NV	20	-27000	-5.152672	20	PASS
			NV	30	-27000	-5.152672	20	PASS
			NV	40	-26000	-4.961832	20	PASS
			NV	50	-26000	-4.961832	20	PASS
11AC40SI SO	Ant0	5190	NV	-30	-25000	-4.816956	20	PASS
			NV	-20	-26000	-5.009634	20	PASS
			NV	-10	-25000	-4.816956	20	PASS
			NV	0	-25000	-4.816956	20	PASS
			NV	10	-24000	-4.624277	20	PASS
			NV	20	-25000	-4.816956	20	PASS
			NV	30	-25000	-4.816956	20	PASS
			NV	40	-25000	-4.816956	20	PASS
			NV	50	-25000	-4.816956	20	PASS
		5230	NV	-30	-25000	-4.780115	20	PASS
			NV	-20	-25000	-4.780115	20	PASS
			NV	-10	-25000	-4.780115	20	PASS
			NV	0	-25000	-4.780115	20	PASS
			NV	10	-25000	-4.780115	20	PASS
			NV	20	-26000	-4.971319	20	PASS
			NV	30	-25000	-4.780115	20	PASS
			NV	40	-26000	-4.971319	20	PASS
			NV	50	-26000	-4.971319	20	PASS
11AC80SI SO	Ant0	5210	NV	-30	-26000	-4.990403	20	PASS
			NV	-20	-25000	-4.798464	20	PASS
			NV	-10	-25000	-4.798464	20	PASS
			NV	0	-25000	-4.798464	20	PASS
			NV	10	-25000	-4.798464	20	PASS
			NV	20	-26000	-4.990403	20	PASS
			NV	30	-27000	-5.182342	20	PASS
			NV	40	-27000	-5.182342	20	PASS
			NV	50	-27000	-5.182342	20	PASS



Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SI SO	Ant1	5180	NV	NT	-27000	-5.212355	20	PASS
			LV	NT	-27000	-5.212355	20	PASS
			HV	NT	-27000	-5.212355	20	PASS
		5200	NV	NT	-28000	-5.384615	20	PASS
			LV	NT	-28000	-5.384615	20	PASS
			HV	NT	-27000	-5.192308	20	PASS
		5240	NV	NT	-27000	-5.152672	20	PASS
			LV	NT	-27000	-5.152672	20	PASS
			HV	NT	-27000	-5.152672	20	PASS
11AC40SI SO	Ant1	5190	NV	NT	-27000	-5.202312	20	PASS
			LV	NT	-26000	-5.009634	20	PASS
			HV	NT	-26000	-5.009634	20	PASS
		5230	NV	NT	-26000	-4.971319	20	PASS
			LV	NT	-26000	-4.971319	20	PASS
			HV	NT	-26000	-4.971319	20	PASS
11AC80SI SO	Ant1	5210	NV	NT	-26000	-4.990403	20	PASS
			LV	NT	-26000	-4.990403	20	PASS
			HV	NT	-26000	-4.990403	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SI SO	Ant1	5180	NV	-30	-27000	-5.212355	20	PASS
			NV	-20	-27000	-5.212355	20	PASS
			NV	-10	-27000	-5.212355	20	PASS
			NV	0	-27000	-5.212355	20	PASS
			NV	10	-26000	-5.019305	20	PASS
			NV	20	-26000	-5.019305	20	PASS
			NV	30	-27000	-5.212355	20	PASS
			NV	40	-26000	-5.019305	20	PASS
			NV	50	-26000	-5.019305	20	PASS
		5200	NV	-30	-27000	-5.192308	20	PASS
			NV	-20	-26000	-5	20	PASS
			NV	-10	-26000	-5	20	PASS
			NV	0	-26000	-5	20	PASS
			NV	10	-26000	-5	20	PASS
			NV	20	-26000	-5	20	PASS
			NV	30	-26000	-5	20	PASS
			NV	40	-26000	-5	20	PASS



		5240	NV	50	-26000	-5	20	PASS
			NV	-30	-27000	-5.152672	20	PASS
			NV	-20	-26000	-4.961832	20	PASS
			NV	-10	-26000	-4.961832	20	PASS
			NV	0	-26000	-4.961832	20	PASS
			NV	10	-26000	-4.961832	20	PASS
			NV	20	-26000	-4.961832	20	PASS
			NV	30	-26000	-4.961832	20	PASS
			NV	40	-26000	-4.961832	20	PASS
			NV	50	-26000	-4.961832	20	PASS
11AC40SI SO	Ant1	5190	NV	-30	-25000	-4.816956	20	PASS
			NV	-20	-25000	-4.816956	20	PASS
			NV	-10	-25000	-4.816956	20	PASS
			NV	0	-25000	-4.816956	20	PASS
			NV	10	-25000	-4.816956	20	PASS
			NV	20	-25000	-4.816956	20	PASS
			NV	30	-26000	-5.009634	20	PASS
			NV	40	-26000	-5.009634	20	PASS
			NV	50	-26000	-5.009634	20	PASS
		5230	NV	-30	-25000	-4.780115	20	PASS
			NV	-20	-25000	-4.780115	20	PASS
			NV	-10	-25000	-4.780115	20	PASS
			NV	0	-25000	-4.780115	20	PASS
			NV	10	-26000	-4.971319	20	PASS
			NV	20	-25000	-4.780115	20	PASS
			NV	30	-25000	-4.780115	20	PASS
			NV	40	-25000	-4.780115	20	PASS
			NV	50	-25000	-4.780115	20	PASS
11AC80SI SO	Ant1	5210	NV	-30	-26000	-4.990403	20	PASS
			NV	-20	-26000	-4.990403	20	PASS
			NV	-10	-26000	-4.990403	20	PASS
			NV	0	-25000	-4.798464	20	PASS
			NV	10	-26000	-4.990403	20	PASS
			NV	20	-26000	-4.990403	20	PASS
			NV	30	-26000	-4.990403	20	PASS
			NV	40	-26000	-4.990403	20	PASS
			NV	50	-26000	-4.990403	20	PASS



D.6 Duty Cycle

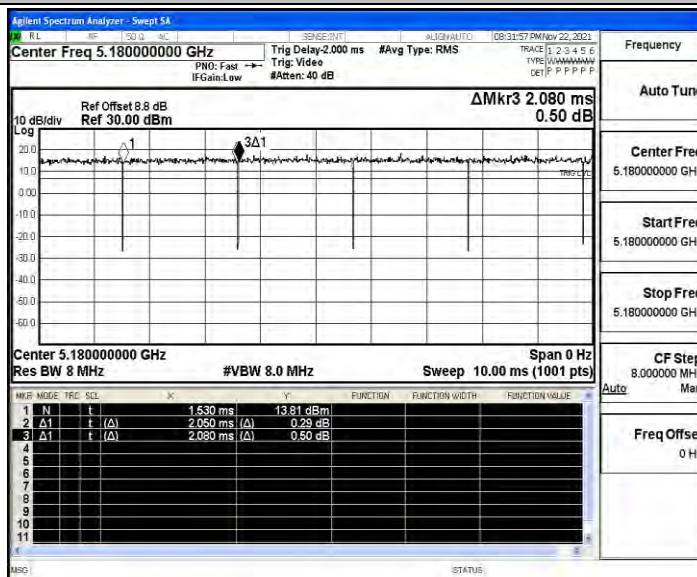
Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant0	5180	2.05	2.08	98.56	---	PASS
		5200	2.05	2.08	98.56	---	PASS
		5240	2.05	2.08	98.56	---	PASS
11N20SISO	Ant0	5180	1.91	1.94	98.45	---	PASS
		5200	1.90	1.93	98.45	---	PASS
		5240	1.91	1.94	98.45	---	PASS
11N40SISO	Ant0	5190	0.93	0.96	96.88	---	PASS
		5230	0.93	0.96	96.88	---	PASS
11AC20SISO	Ant0	5180	1.91	1.94	98.45	---	PASS
		5200	1.91	1.94	98.45	---	PASS
		5240	1.91	1.94	98.45	---	PASS
11AC40SISO	Ant0	5190	0.94	0.97	96.91	---	PASS
		5230	0.94	0.97	96.91	---	PASS
11AC80SISO	Ant0	5210	0.43	0.46	93.48	---	PASS

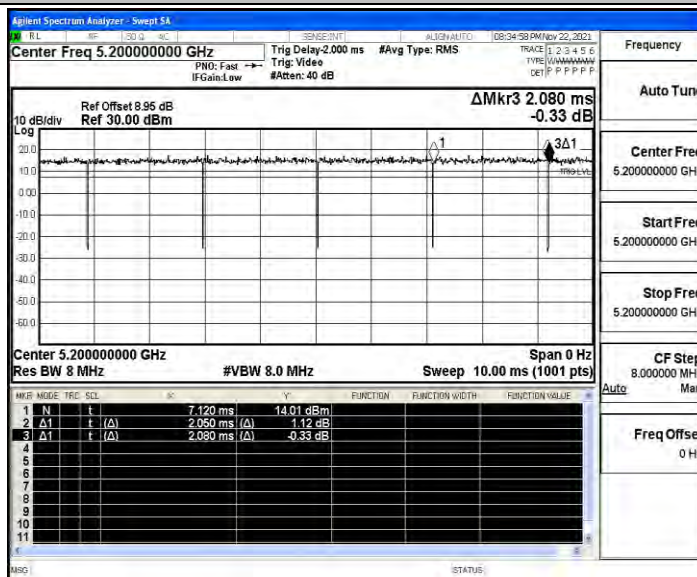


Test Graphs

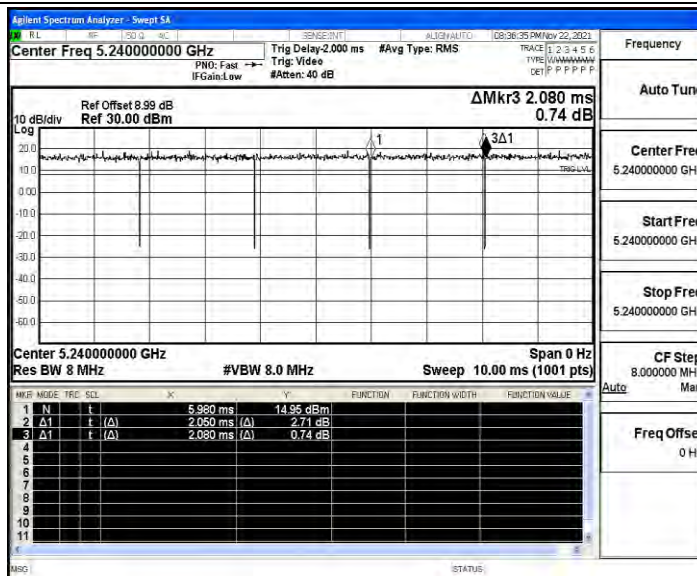
11A_Ant0_5180



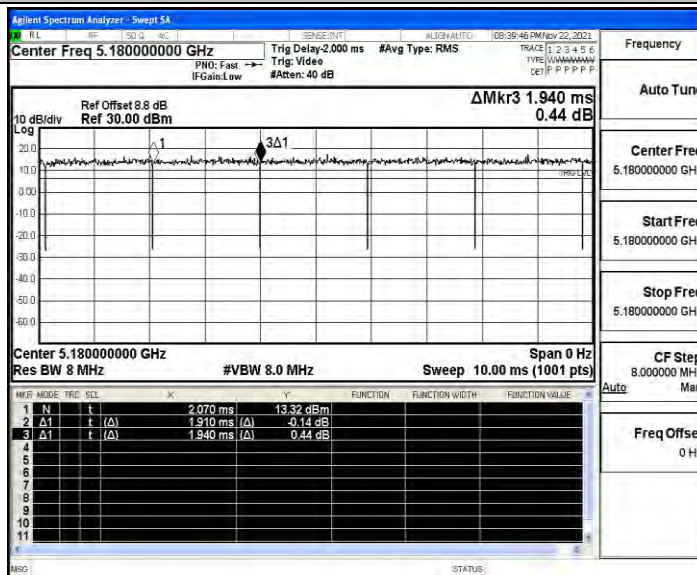
11A_Ant0_5200



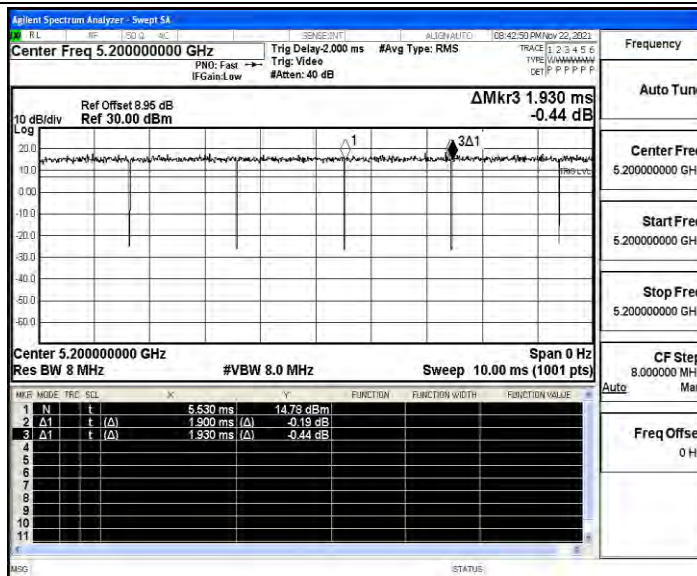
11A_Ant0_5240



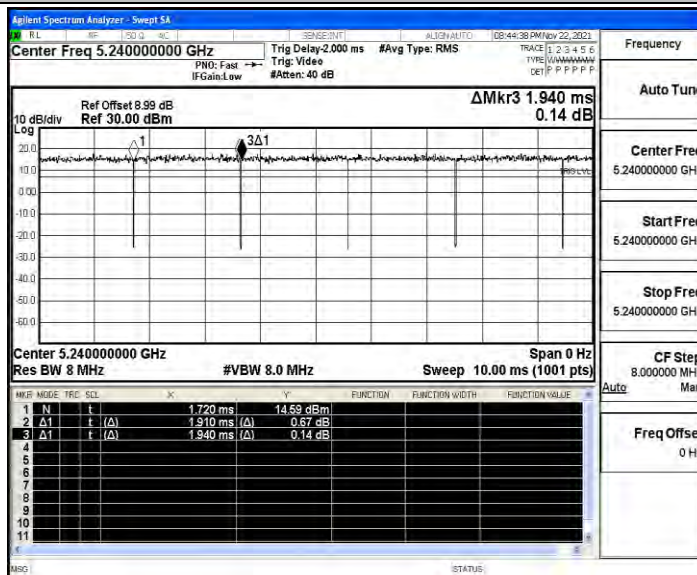
11N20SISO_Ant0_5180



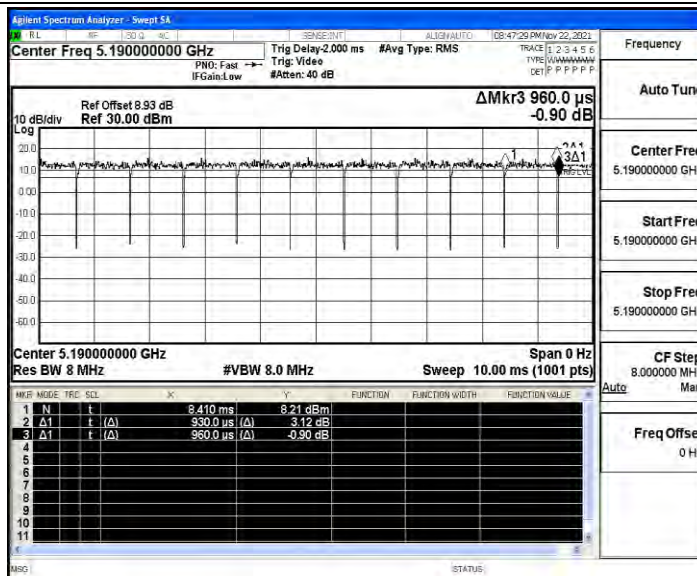
11N20SISO_Ant0_5200



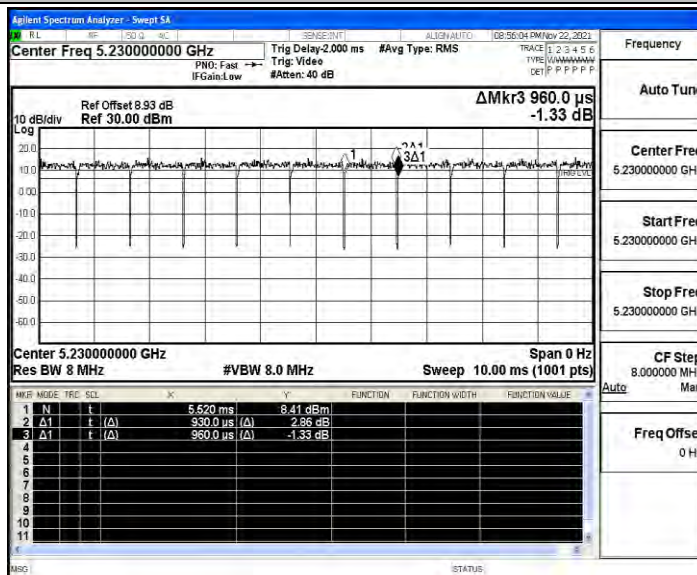
11N20SISO_Ant0_5240



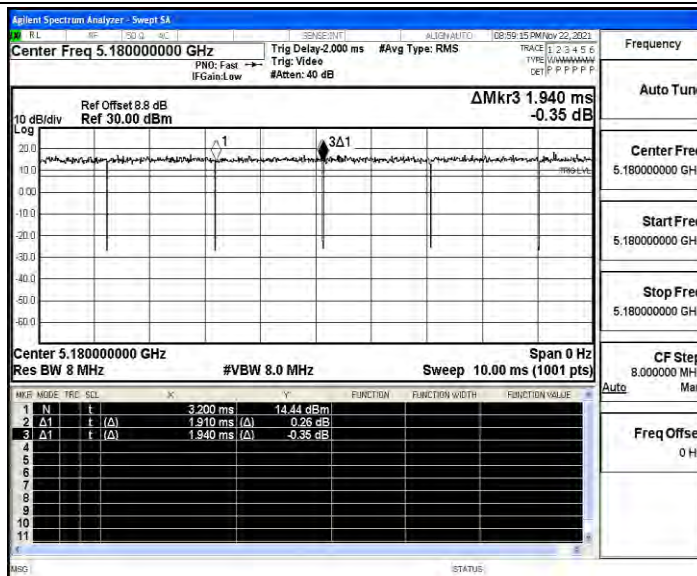
11N40SISO_Ant0_5190



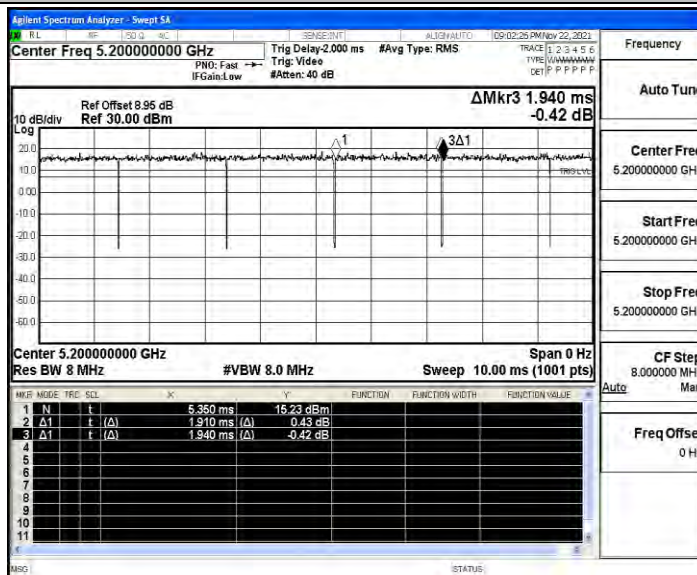
11N40SISO_Ant0_5230



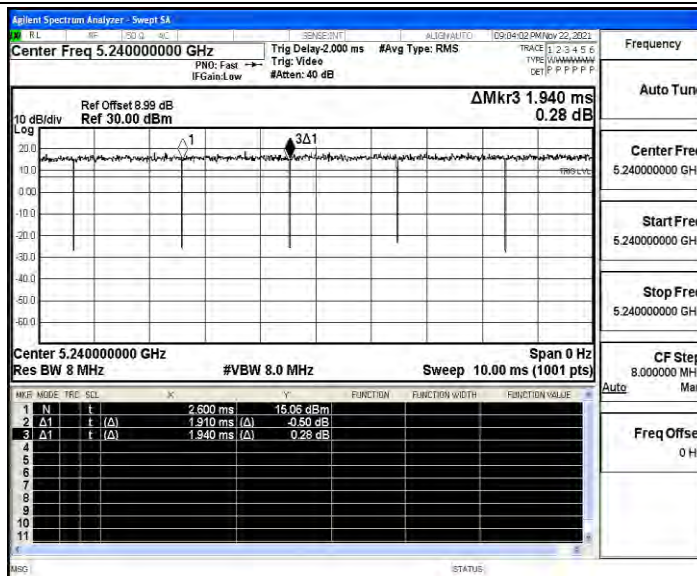
11AC20SISO_Ant0_5180



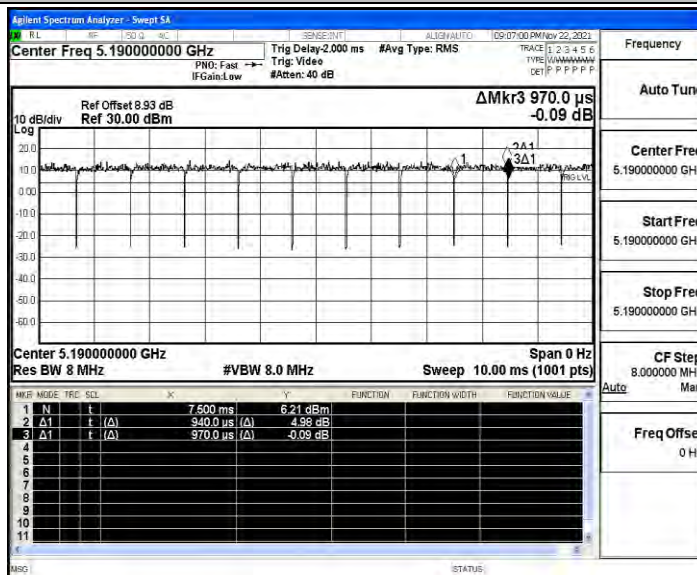
11AC20SISO_Ant0_5200



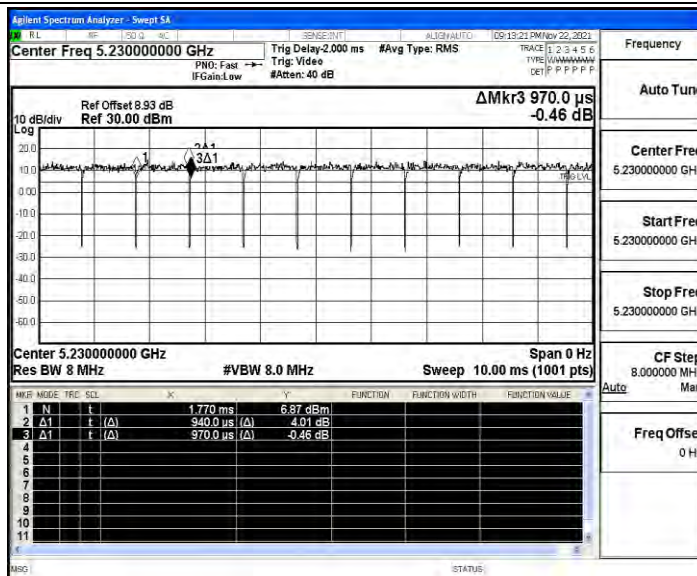
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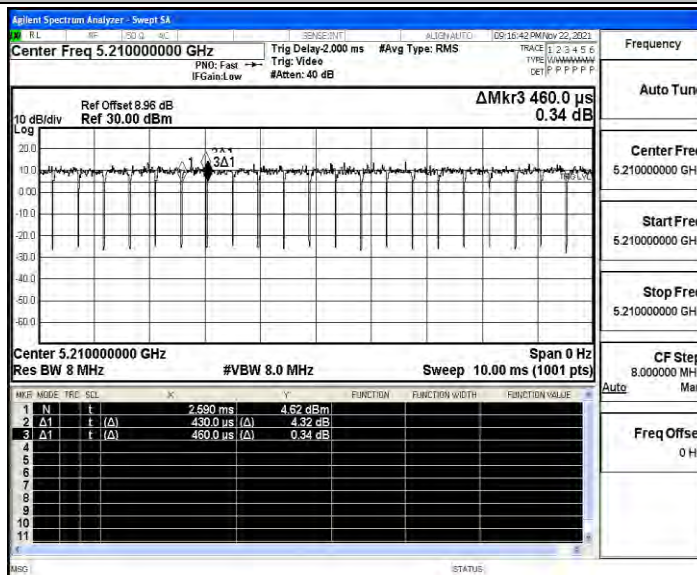
11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230



11AC80SISO_Ant0_5210



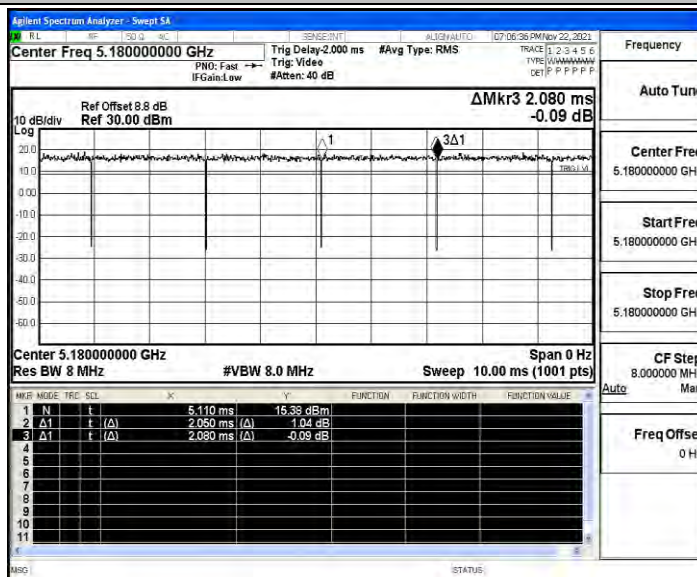


TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	2.05	2.08	98.56	---	PASS
		5200	2.05	2.08	98.56	---	PASS
		5240	2.05	2.08	98.56	---	PASS
11N20SISO	Ant1	5180	1.90	1.93	98.45	---	PASS
		5200	1.91	1.94	98.45	---	PASS
		5240	1.91	1.94	98.45	---	PASS
11N40SISO	Ant1	5190	0.93	0.96	96.88	---	PASS
		5230	0.93	0.96	96.88	---	PASS
11AC20SISO	Ant1	5180	1.91	1.94	98.45	---	PASS
		5200	1.91	1.94	98.45	---	PASS
		5240	1.91	1.94	98.45	---	PASS
11AC40SISO	Ant1	5190	0.94	0.97	96.91	---	PASS
		5230	0.94	0.97	96.91	---	PASS
11AC80SISO	Ant1	5210	0.43	0.46	93.48	---	PASS

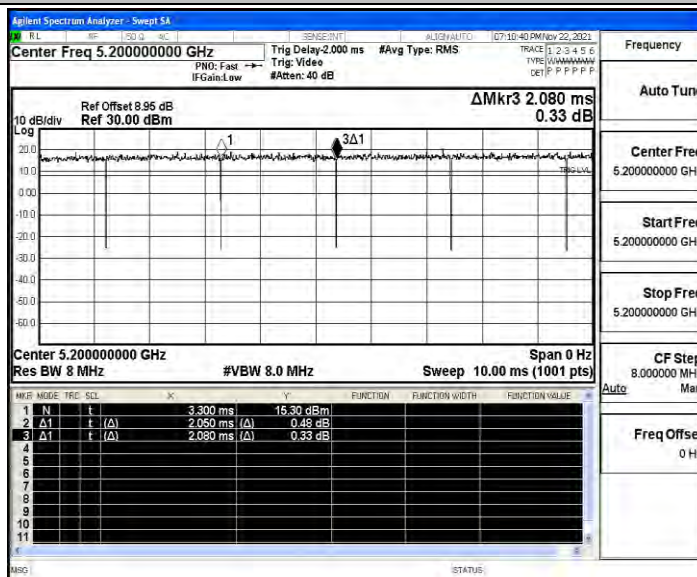


Test Graphs

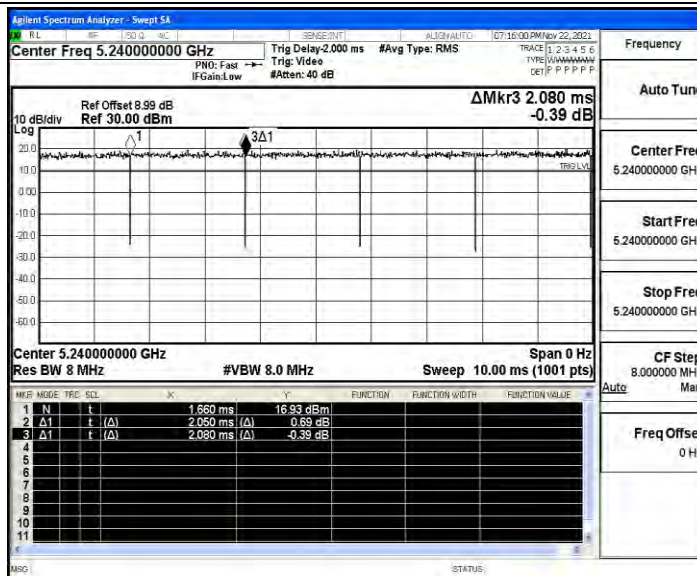
11A_Ant1_5180



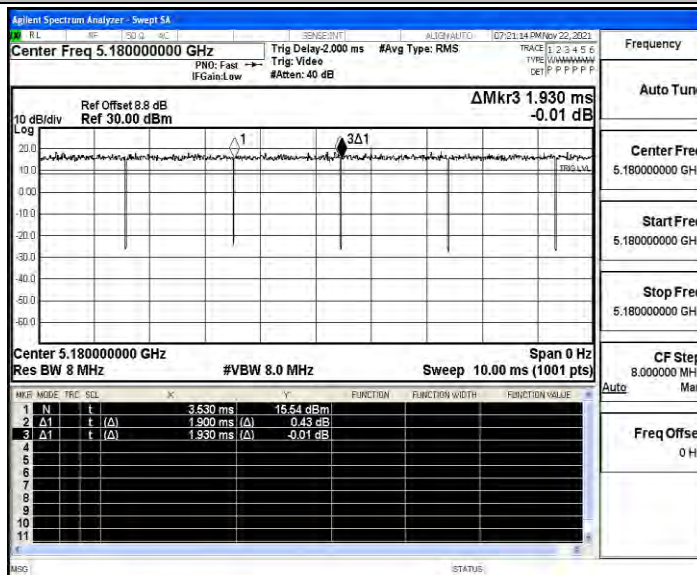
11A_Ant1_5200



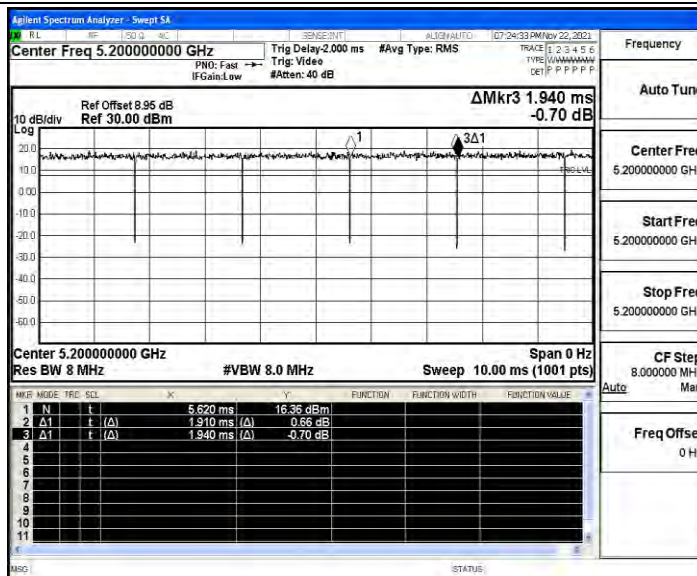
11A_Ant1_5240



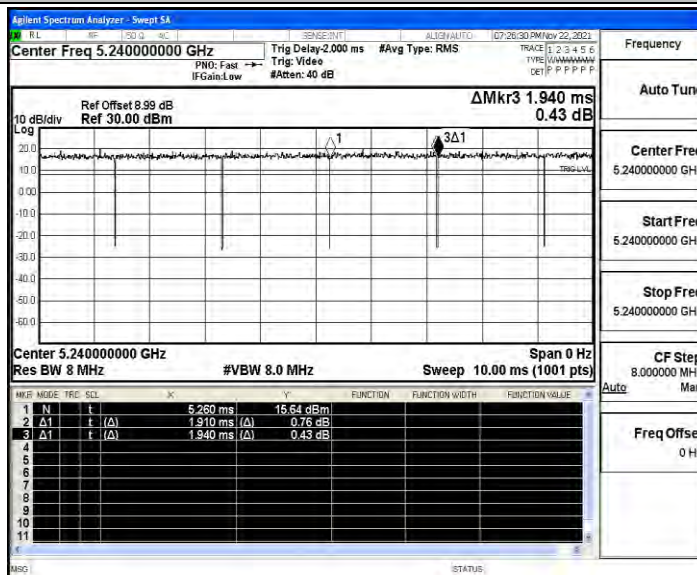
11N20SISO_Ant1_5180



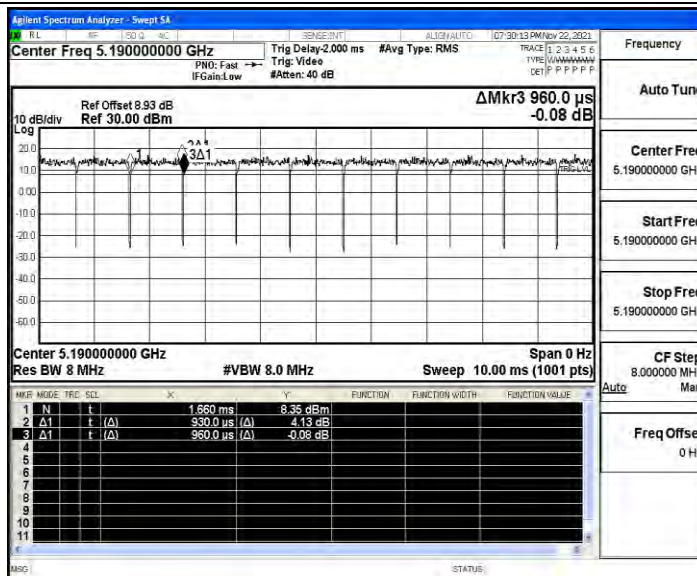
11N20SISO_Ant1_5200



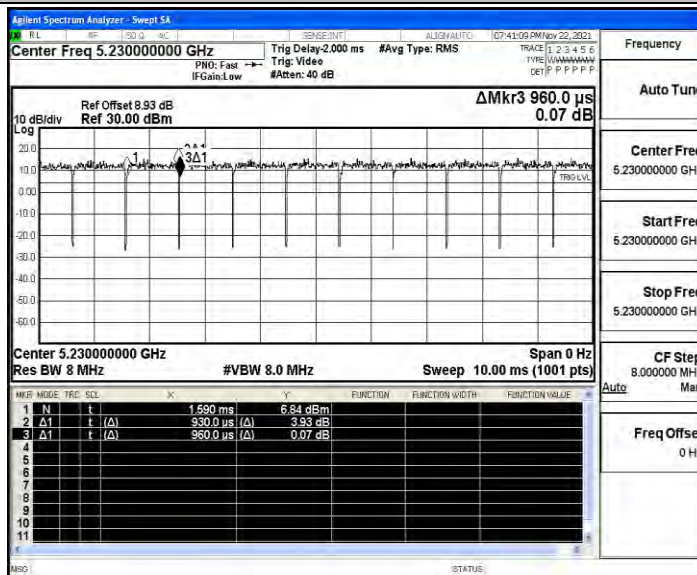
11N20SISO_Ant1_5240



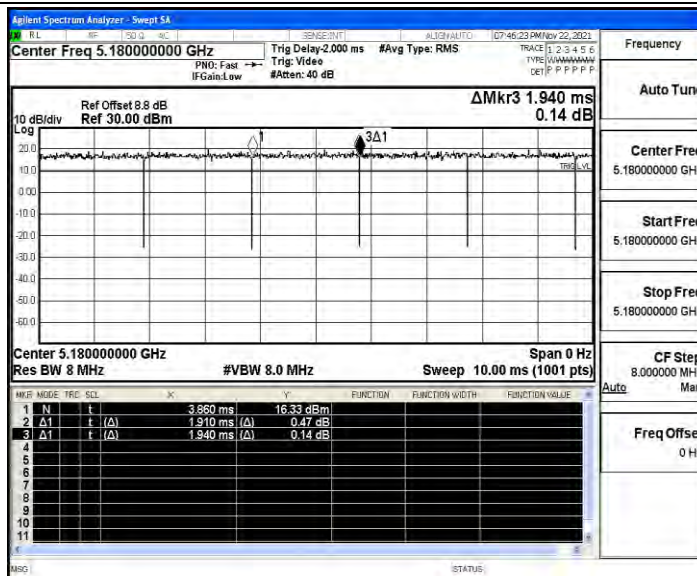
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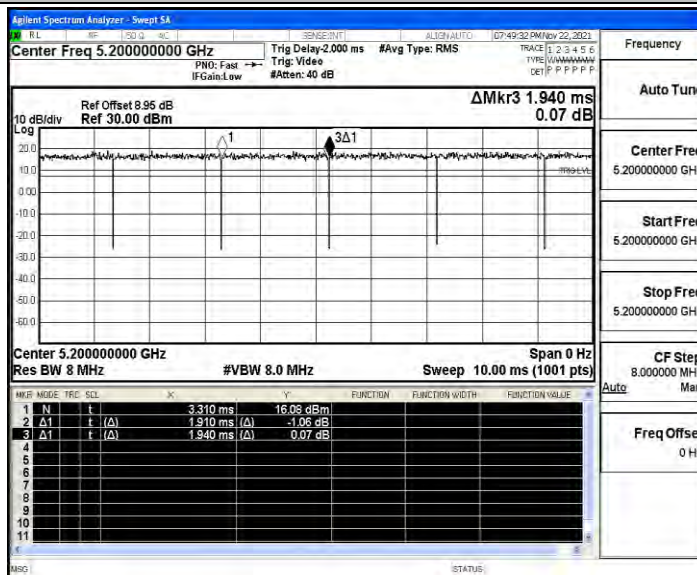
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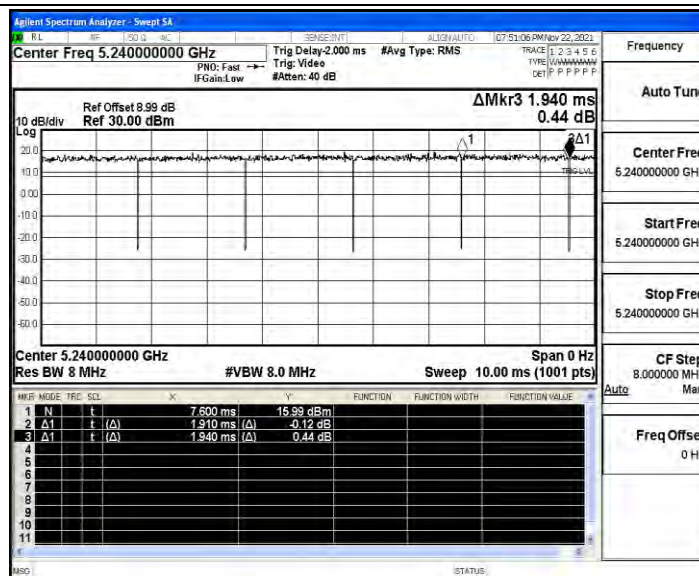
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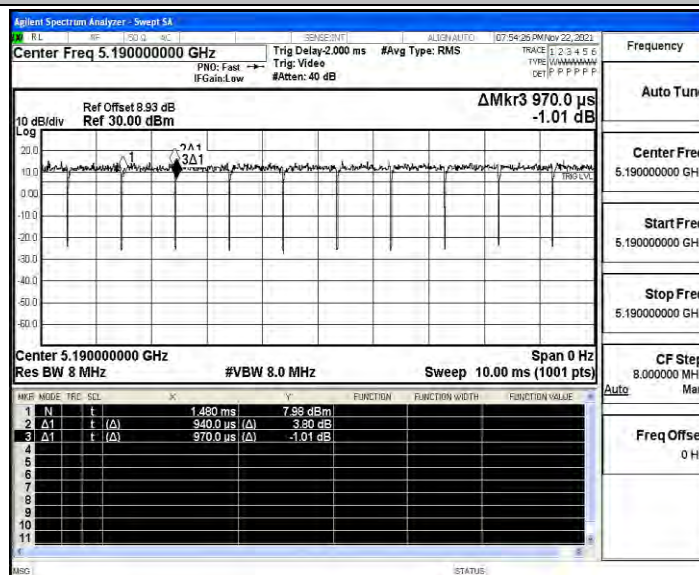
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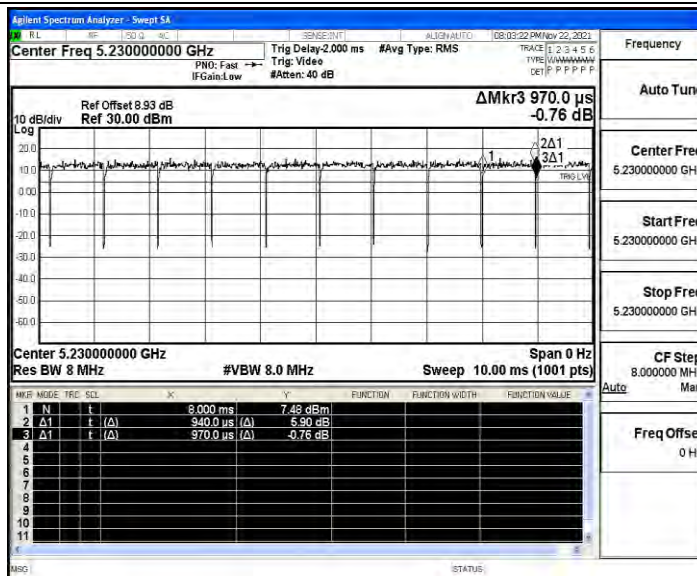
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210

