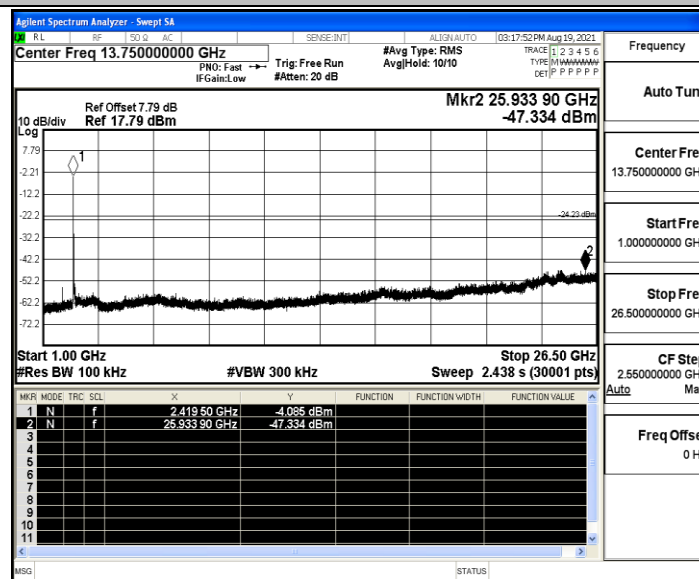
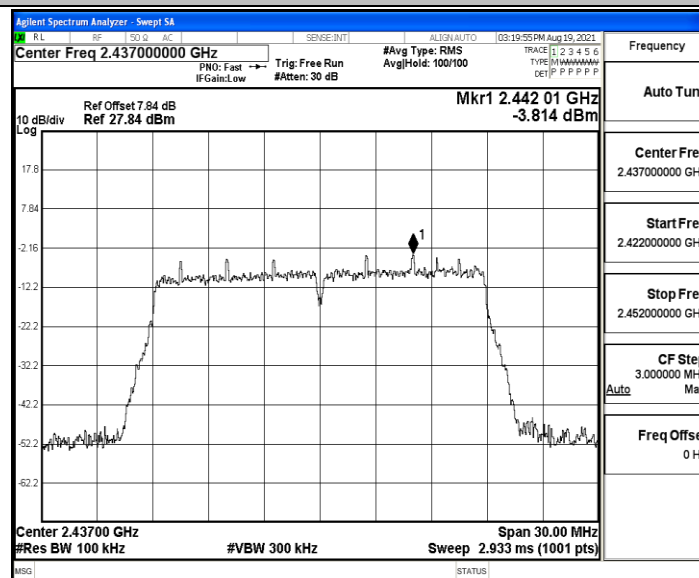




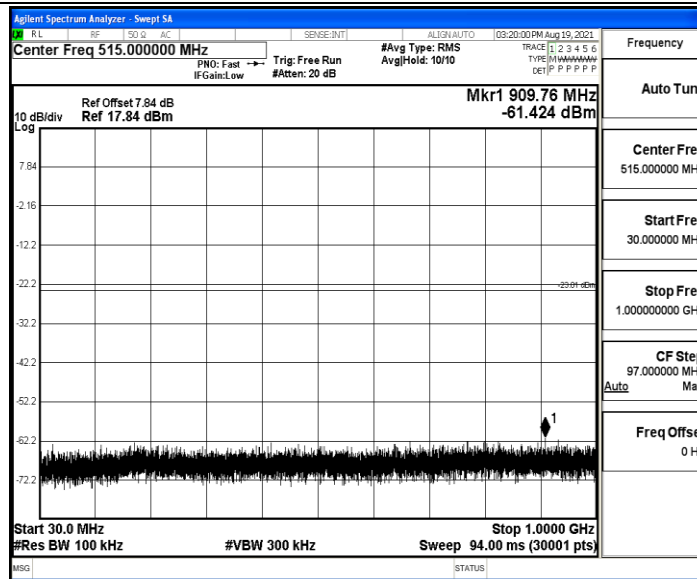
11N20SISO_Ant0_2412_1000~26500



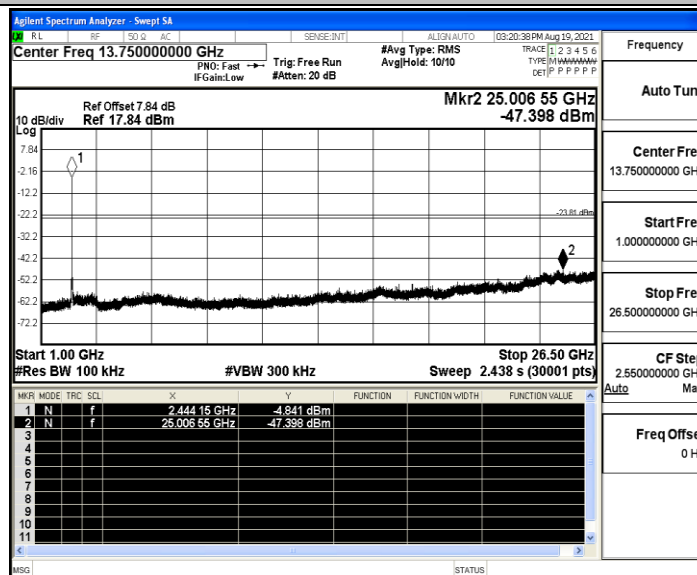
11N20SISO_Ant0_2437_0~Reference



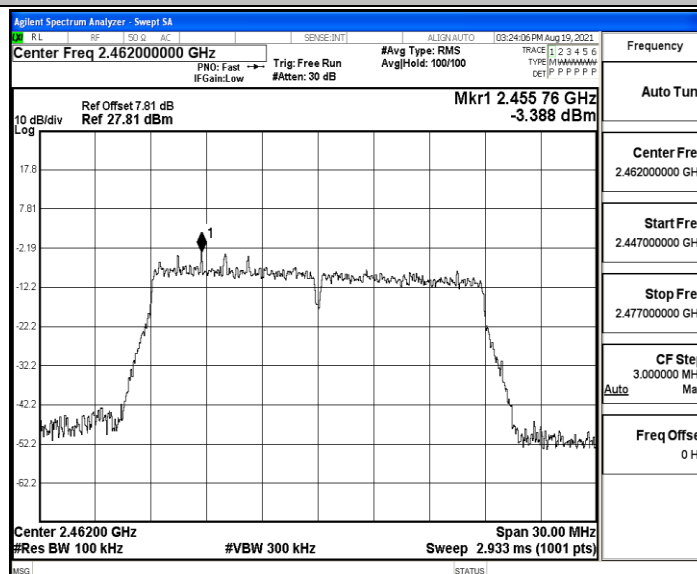
11N20SISO_Ant0_2437_30~1000



11N20SISO_Ant0_2437_1000~26500

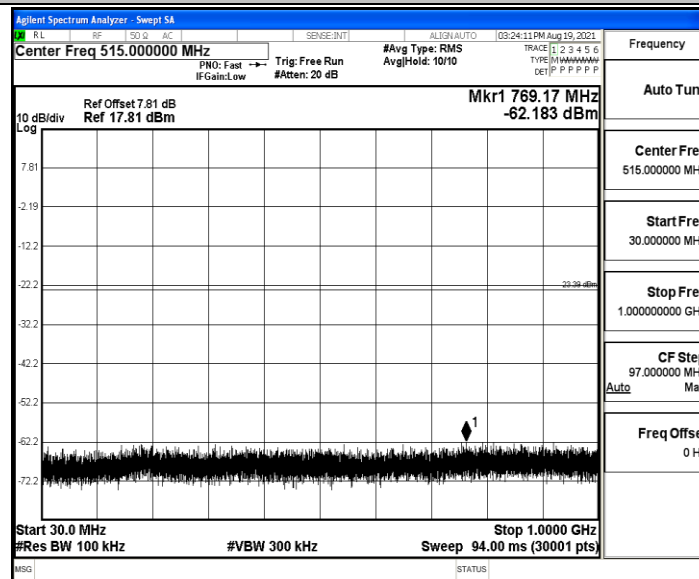


11N20SISO_Ant0_2462_0~Reference

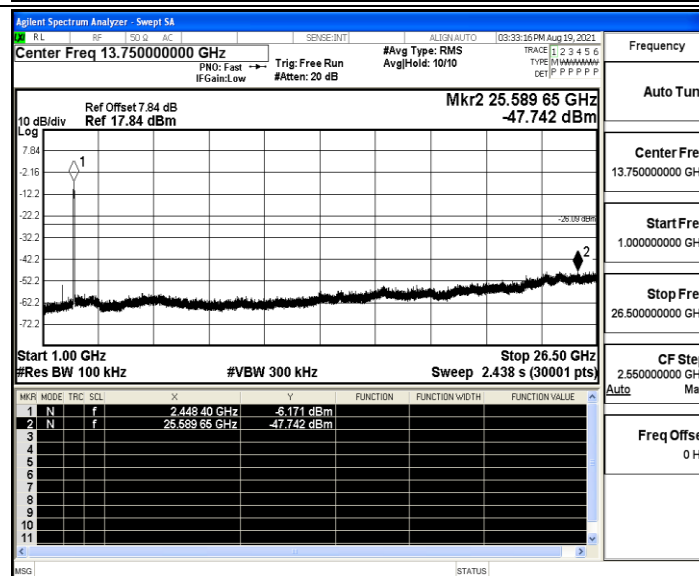
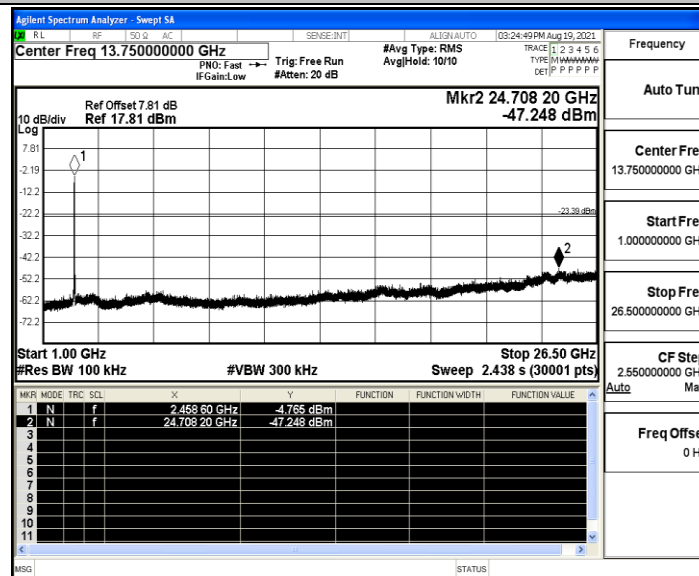




11N20SISO_Ant0_2462_30~1000



11N20SISO_Ant0_2462_1000~26500



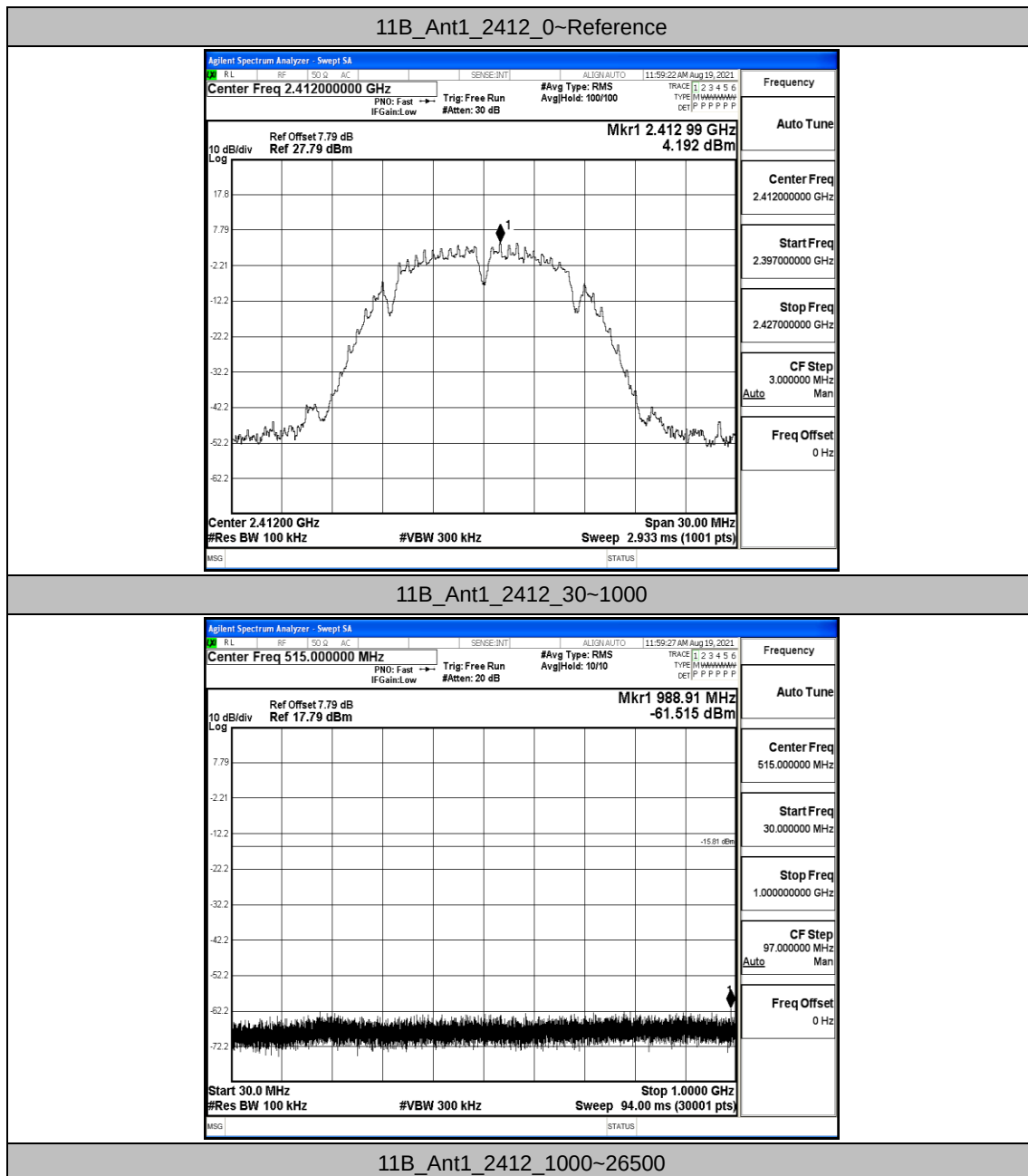


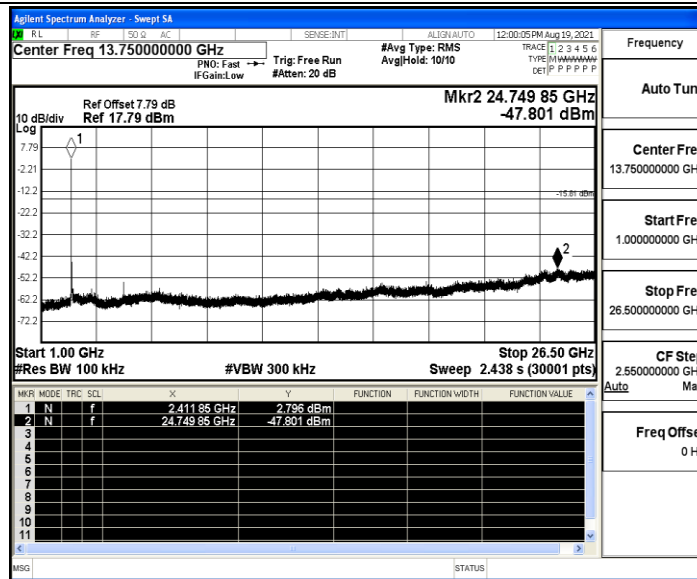
ANT1

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.19	4.19	---	PASS
			30~1000	4.19	-61.52	≤-15.81	PASS
			1000~26500	4.19	-47.8	≤-15.81	PASS
		2437	Reference	4.38	4.38	---	PASS
			30~1000	4.38	-61.54	≤-15.62	PASS
			1000~26500	4.38	-47.46	≤-15.62	PASS
		2462	Reference	4.22	4.22	---	PASS
			30~1000	4.22	-61.88	≤-15.78	PASS
			1000~26500	4.22	-47.68	≤-15.78	PASS
11G	Ant1	2412	Reference	-4.51	-4.51	---	PASS
			30~1000	-4.51	-62.15	≤-24.51	PASS
			1000~26500	-4.51	-47.33	≤-24.51	PASS
		2437	Reference	-3.91	-3.91	---	PASS
			30~1000	-3.91	-61.15	≤-23.91	PASS
			1000~26500	-3.91	-47.42	≤-23.91	PASS
		2462	Reference	-3.63	-3.63	---	PASS
			30~1000	-3.63	-61.6	≤-23.63	PASS
			1000~26500	-3.63	-47.48	≤-23.63	PASS
11N20SISO	Ant1	2412	Reference	-4.09	-4.09	---	PASS
			30~1000	-4.09	-61.23	≤-24.09	PASS
			1000~26500	-4.09	-47.32	≤-24.09	PASS
		2437	Reference	-3.53	-3.53	---	PASS
			30~1000	-3.53	-60.6	≤-23.53	PASS
			1000~26500	-3.53	-46.64	≤-23.53	PASS
		2462	Reference	-4.67	-4.67	---	PASS
			30~1000	-4.67	-61.93	≤-24.67	PASS
			1000~26500	-4.67	-47.47	≤-24.67	PASS

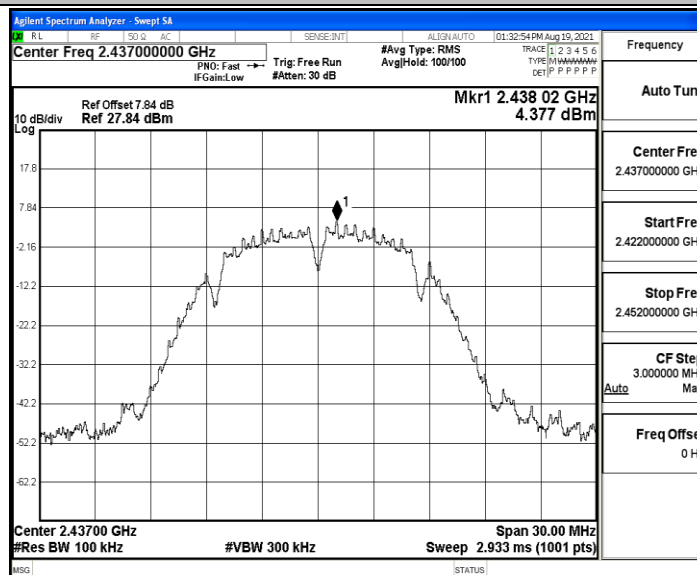


Test Graphs

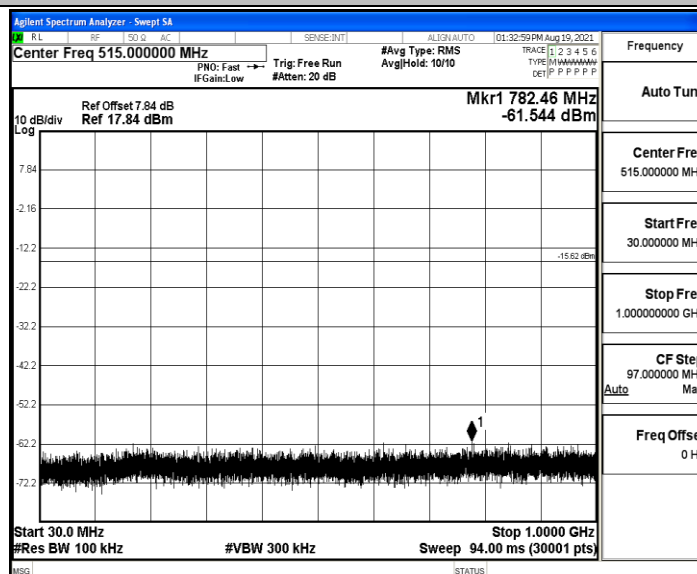




11B_Ant1_2437_0~Reference

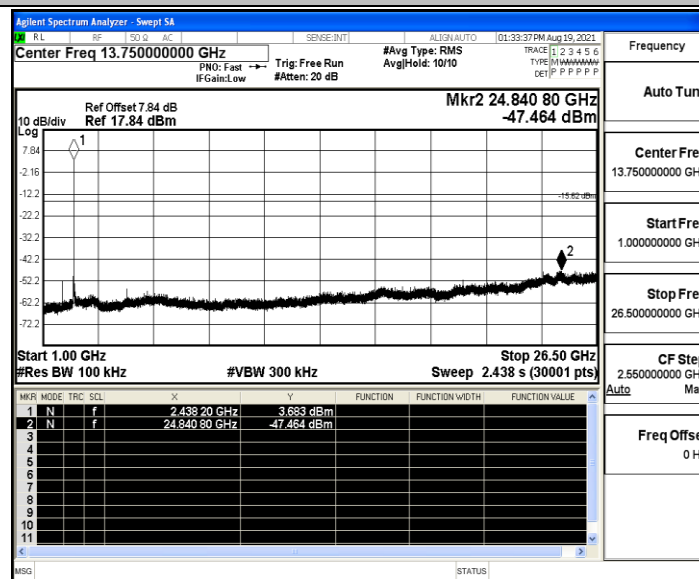


11B_Ant1_2437_30~1000

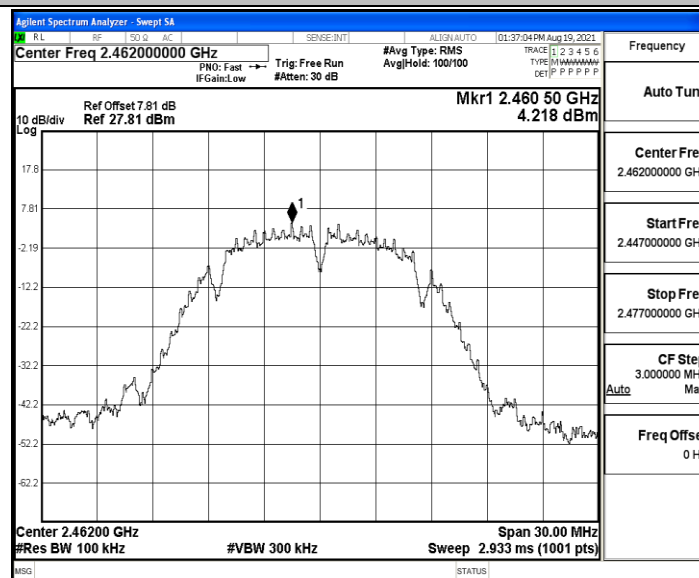




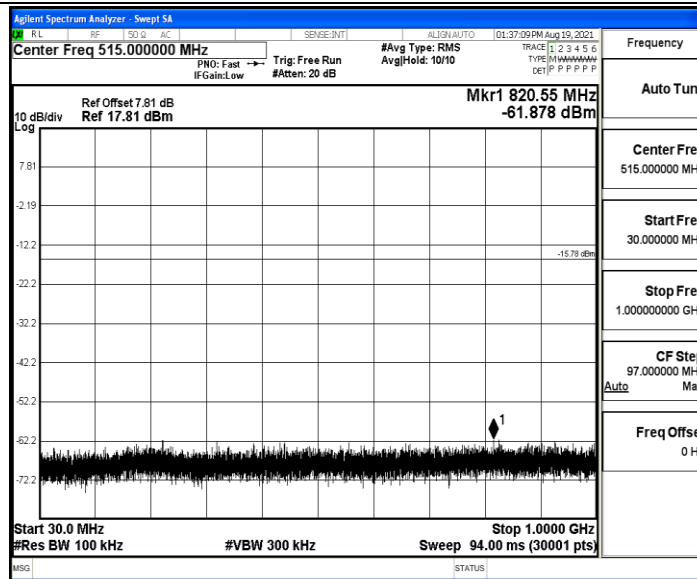
11B_Ant1_2437_1000~26500



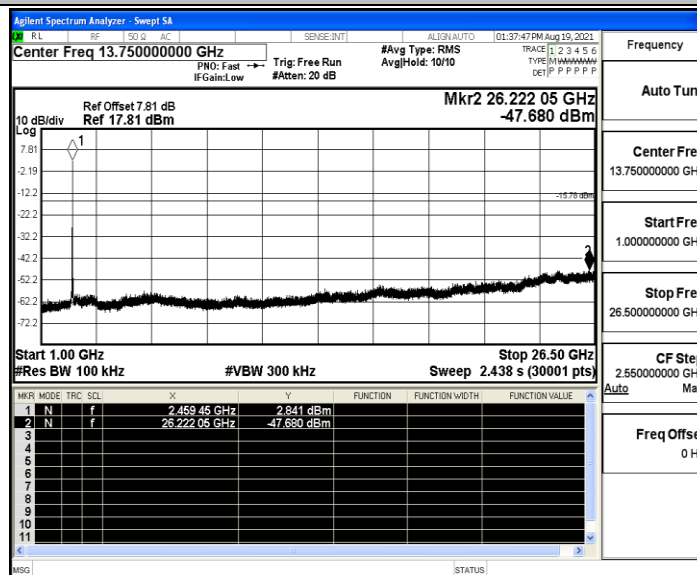
11B_Ant1_2462_0~Reference



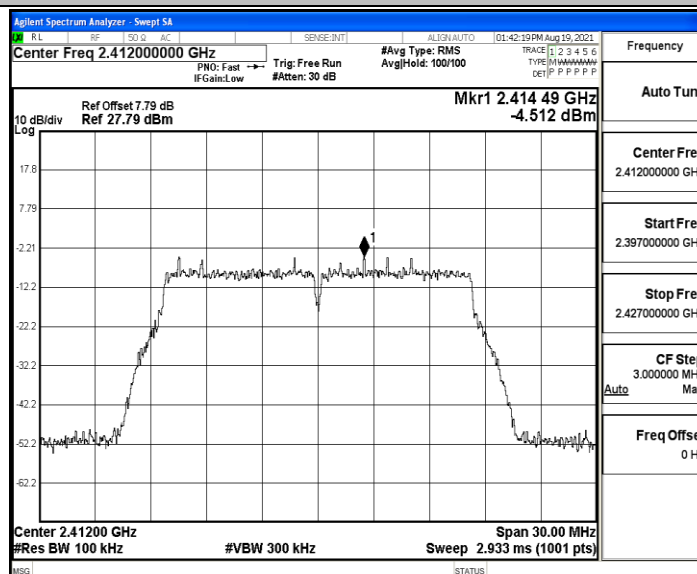
11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500

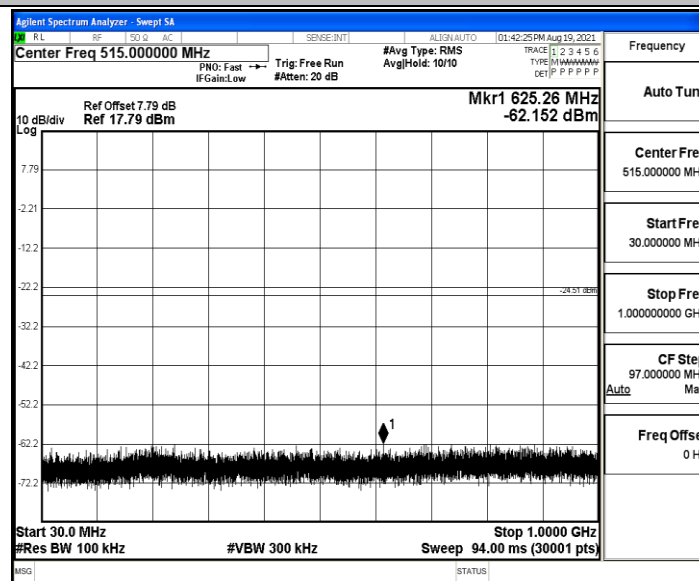


11G_Ant1_2412_0~Reference

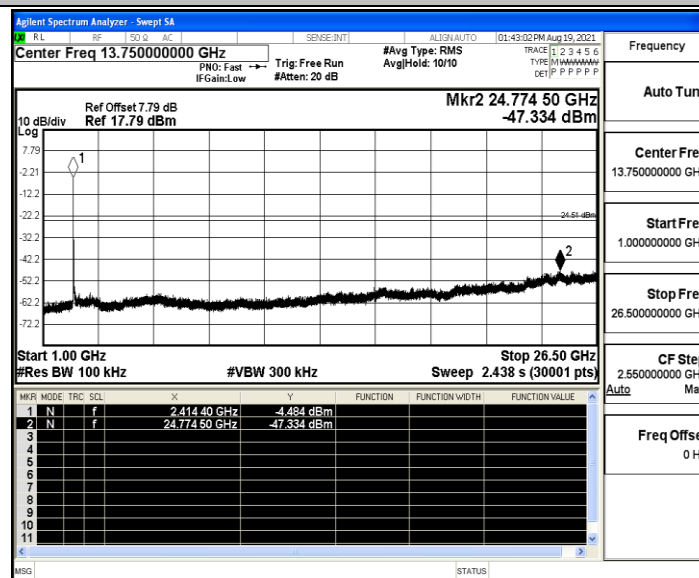




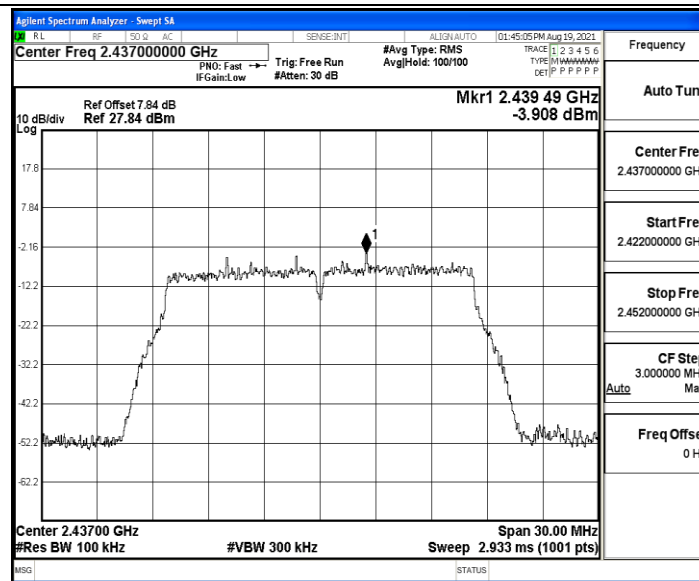
11G_Ant1_2412_30~1000



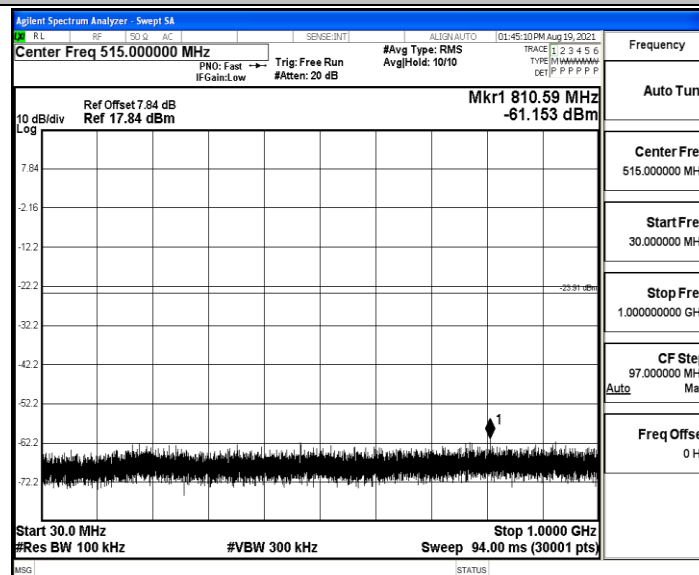
11G_Ant1_2412_1000~26500



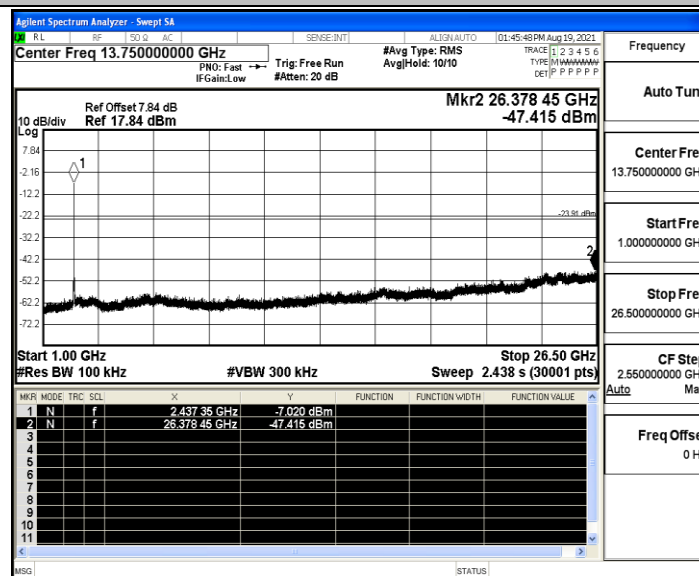
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000

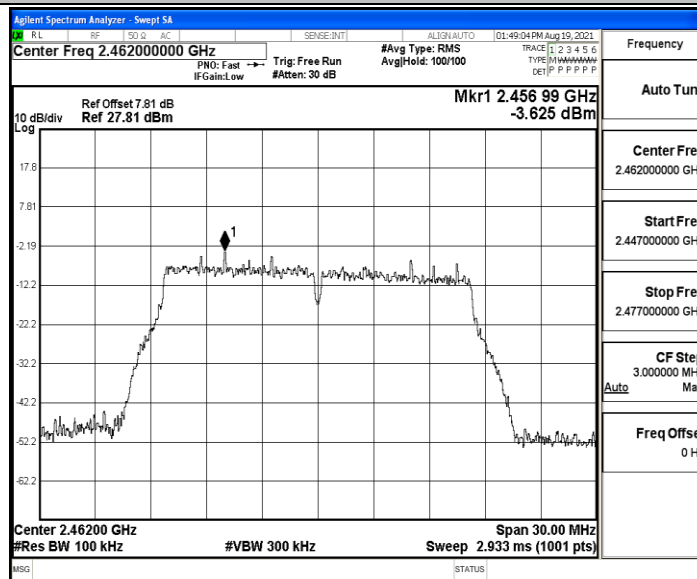


11G_Ant1_2437_1000~26500

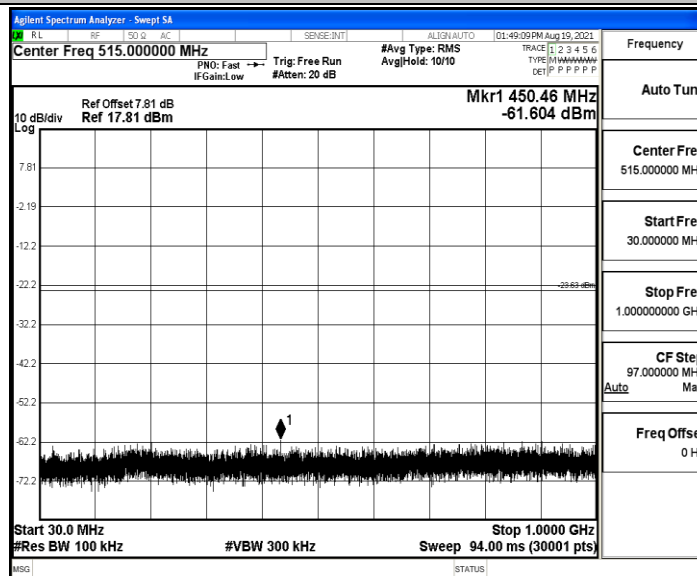




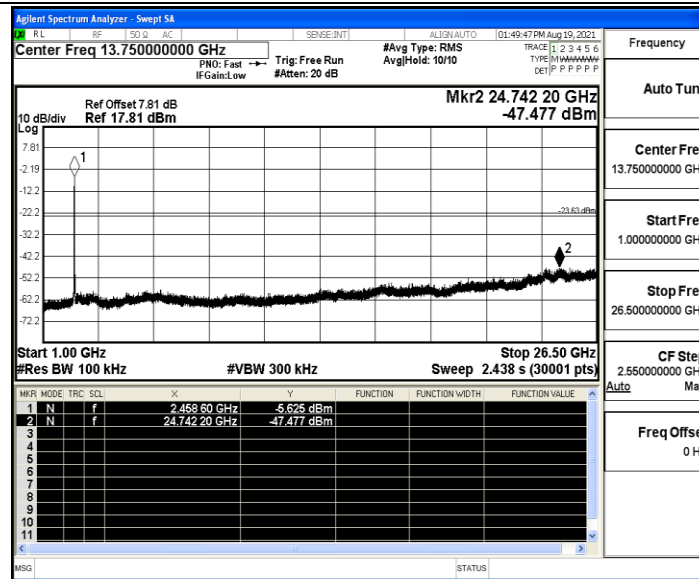
11G_Ant1_2462_0~Reference



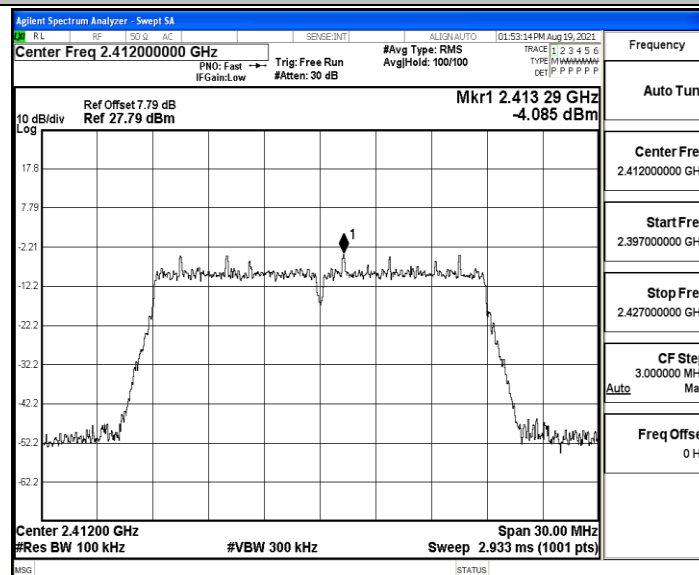
11G_Ant1_2462_30~1000



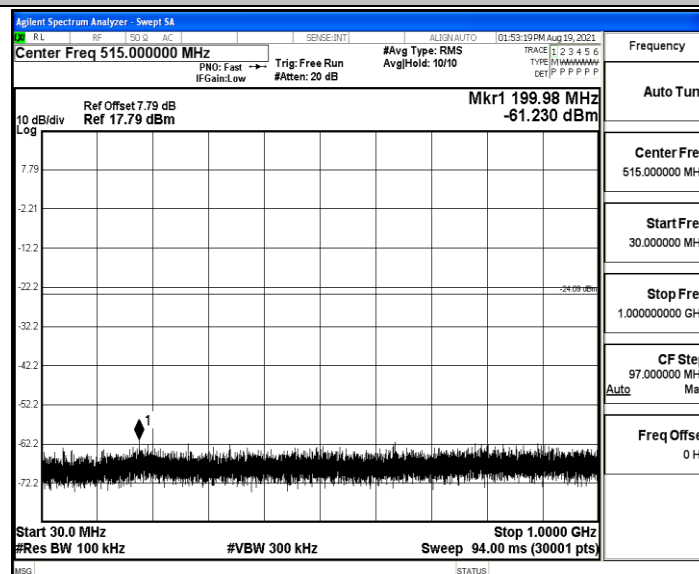
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference

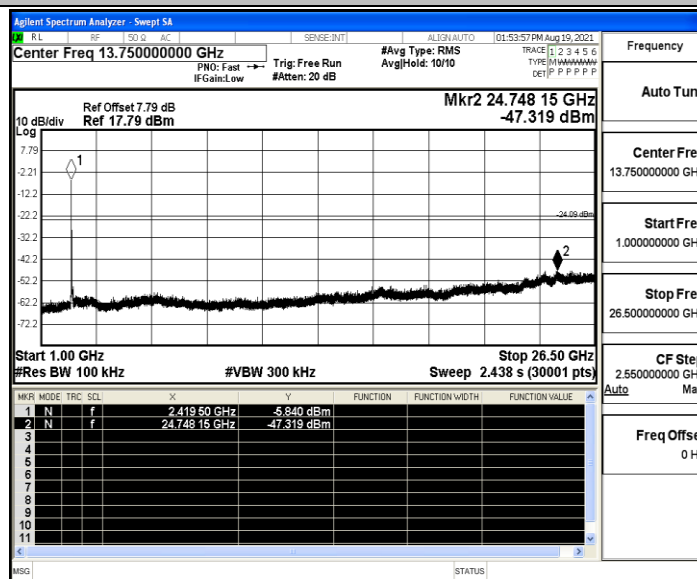


11N20SISO_Ant1_2412_30~1000

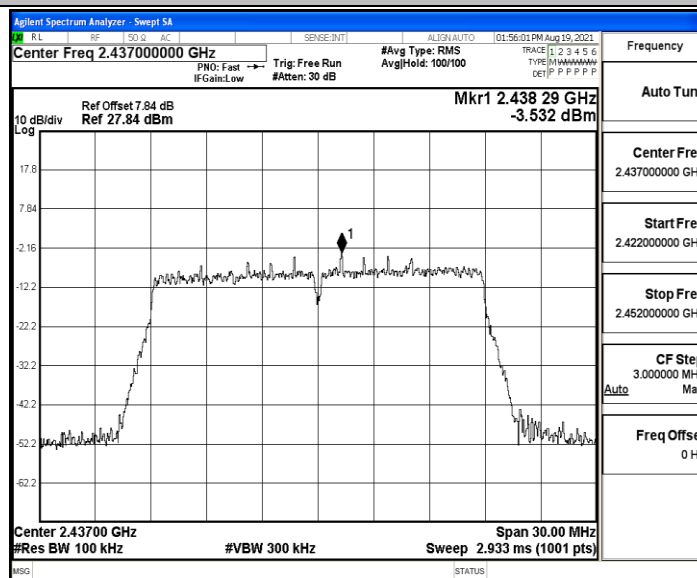




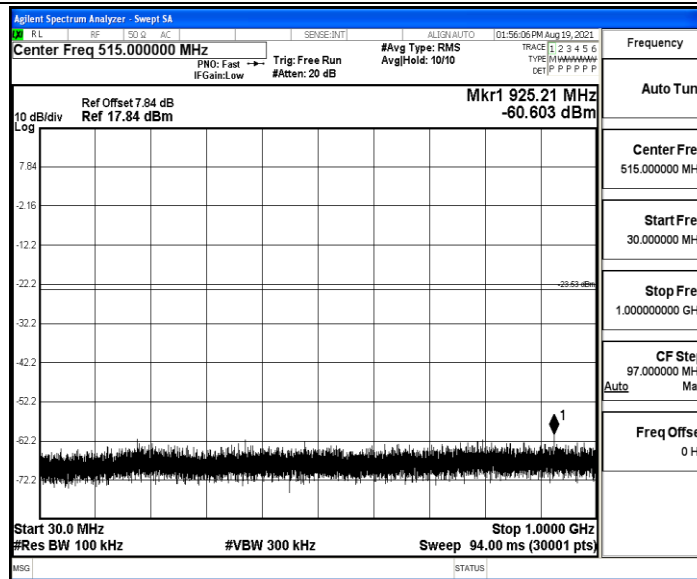
11N20SISO_Ant1_2412_1000~26500



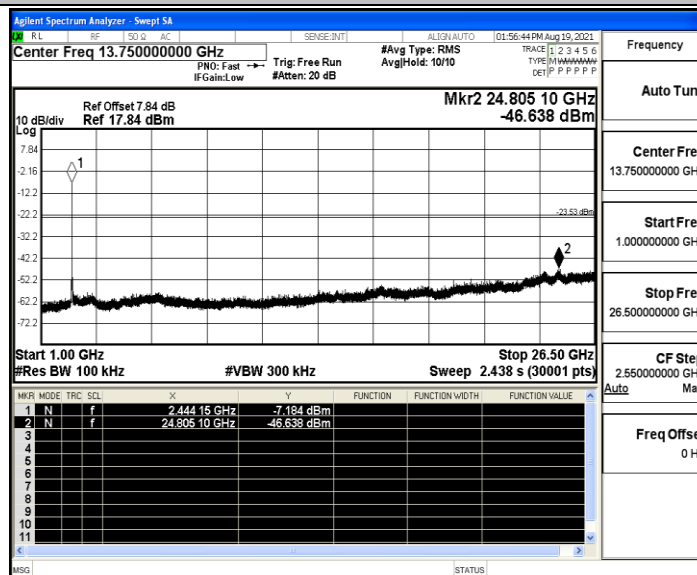
11N20SISO_Ant1_2437_0~Reference



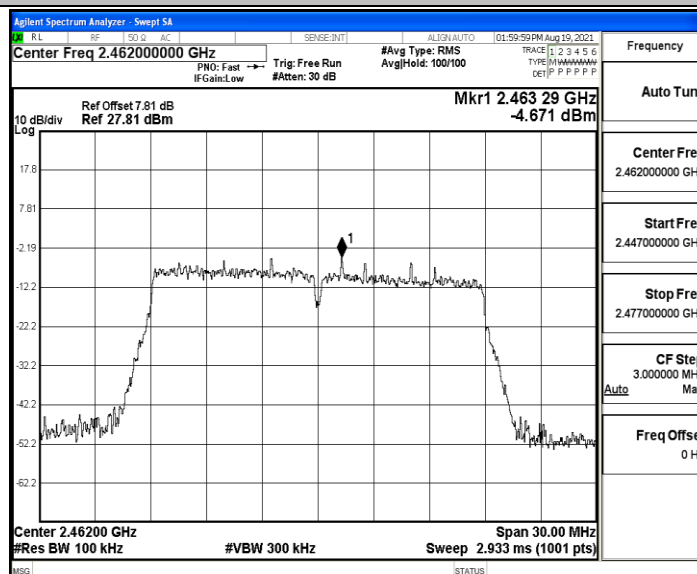
11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500

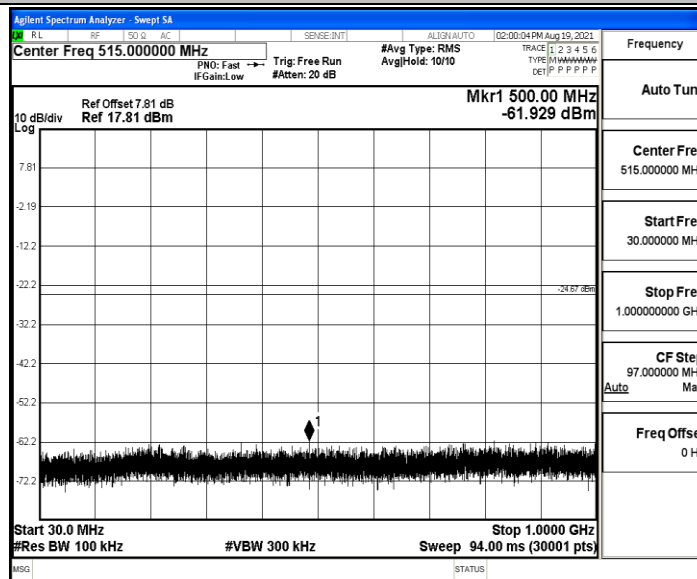


11N20SISO_Ant1_2462_0~Reference

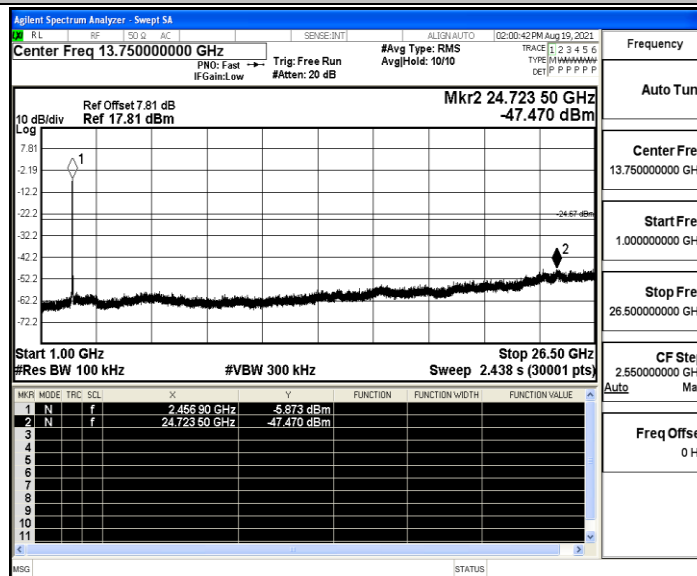




11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500





B.7 Duty Cycle

Test Result

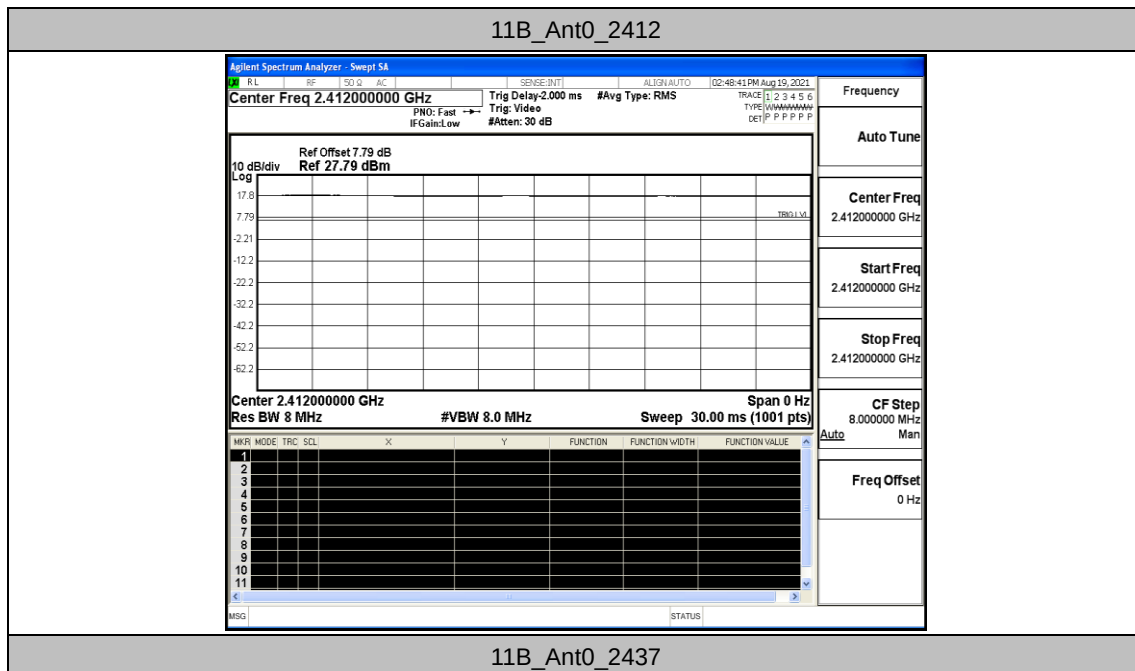
ANT0

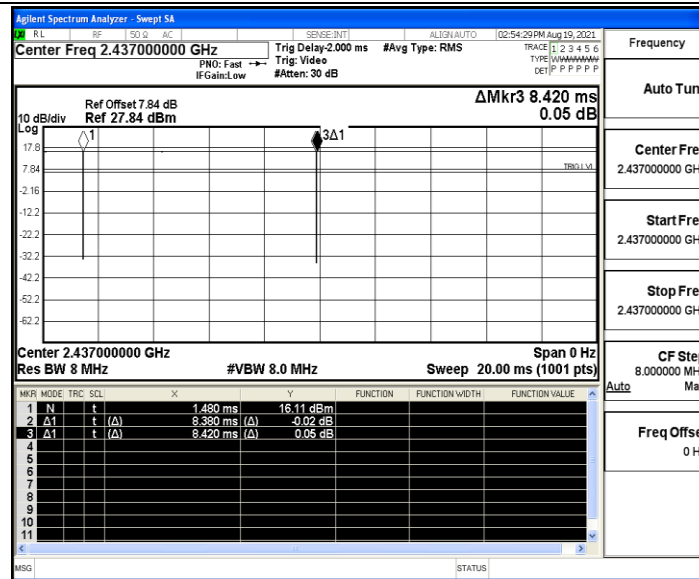
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Minimum VBW(KHz)	Limit	Verdict
11B	Ant0	2412	30.00	30.00	100.00	---	---	PASS
		2437	8.38	8.42	99.52	---	---	PASS
		2462	30.00	30.00	100.00	---	---	PASS
11G	Ant0	2412	1.39	1.43	97.20	0.72	---	PASS
		2437	1.39	1.43	97.20	0.72	---	PASS
		2462	1.39	1.43	97.20	0.72	---	PASS
11N20SISO	Ant0	2412	1.30	1.34	97.01	0.77	---	PASS
		2437	1.30	1.34	97.01	0.77	---	PASS
		2462	1.30	1.34	97.01	0.77	---	PASS

Note: Duty Cycle = (Transmission Duration / Transmission Period)*100%

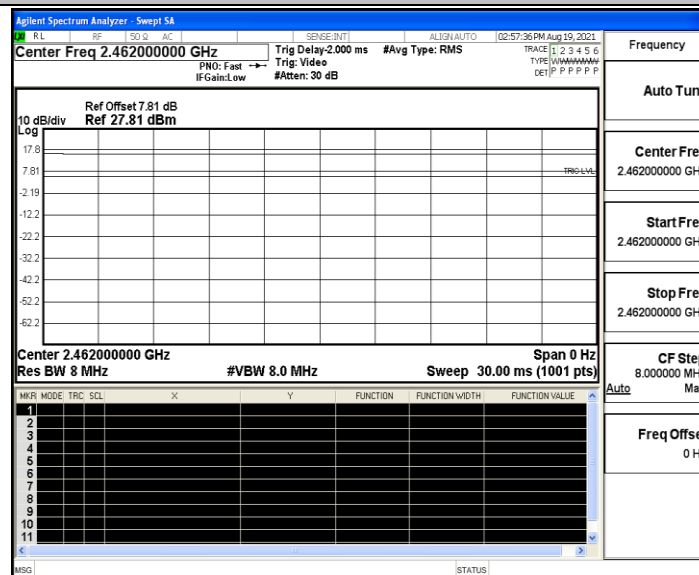
When Duty Cycle is less than 98%, AV Minimum VBW [KHz] = 1/ ON Time [ms]

Test Graphs

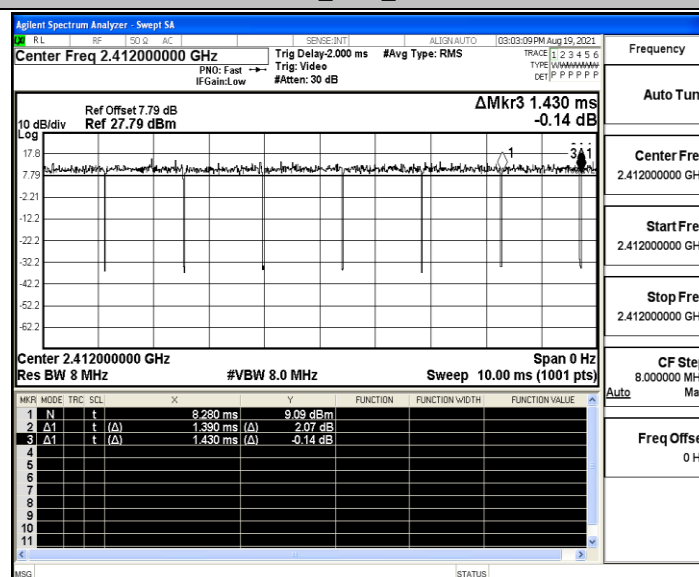




11B_Ant0_2462

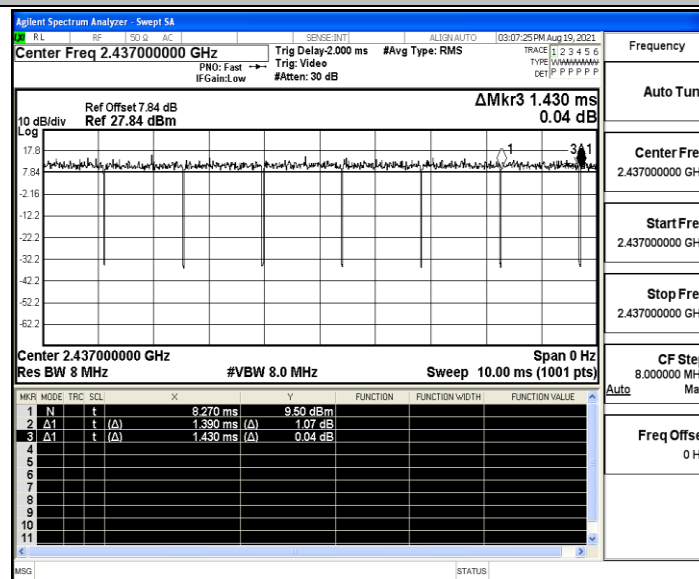


11G_Ant0_2412

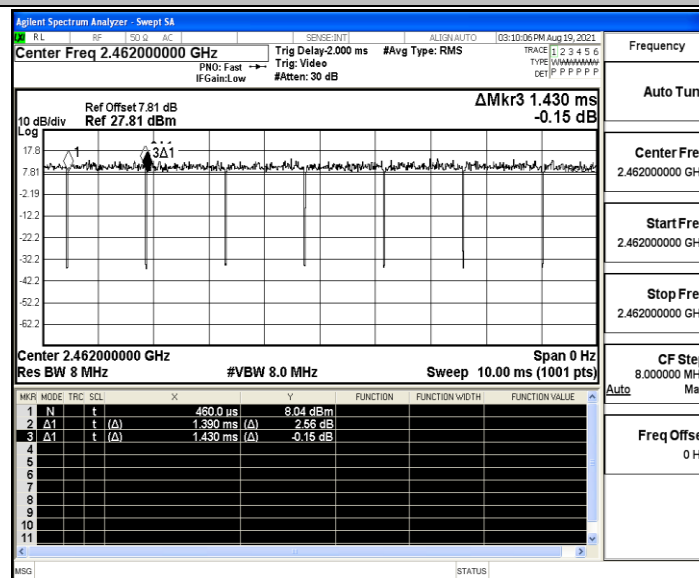




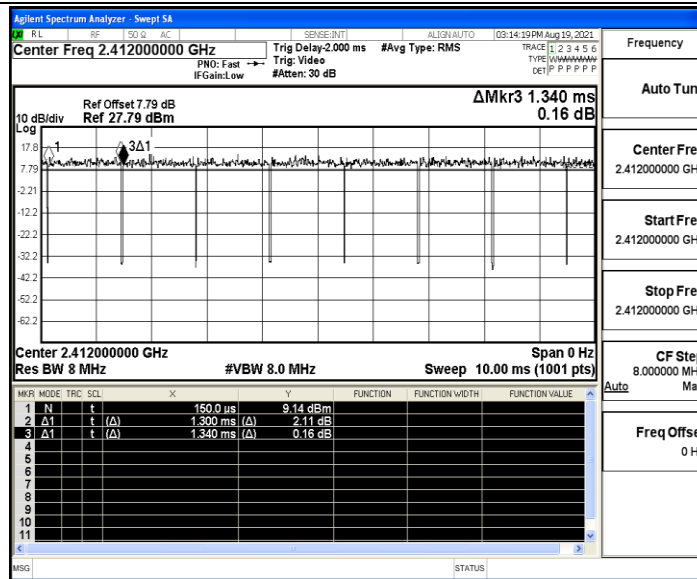
11G_Ant0_2437



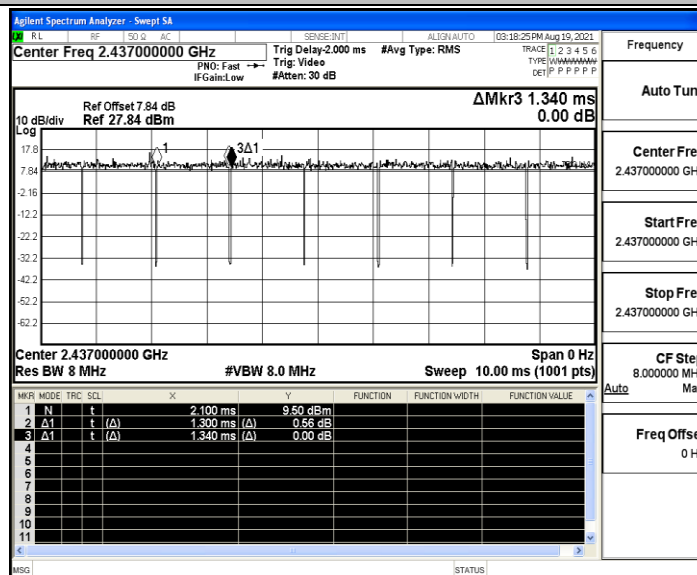
11G_Ant0_2462



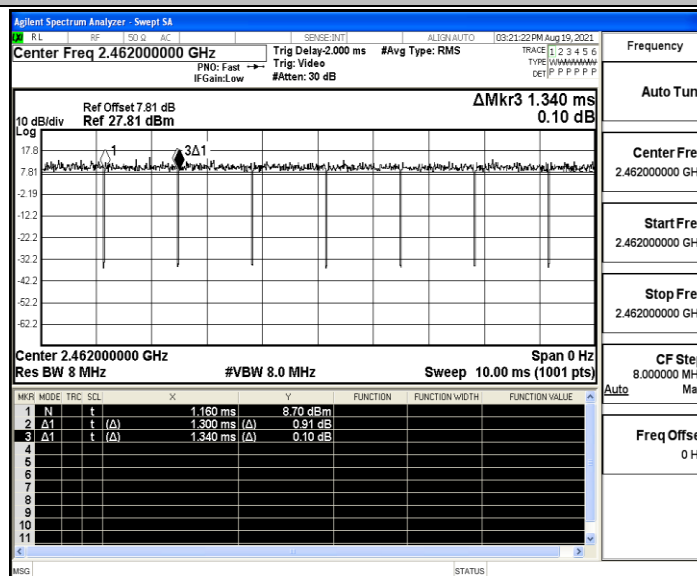
11N20SISO_Ant0_2412



11N20SISO_Ant0_2437



11N20SISO_Ant0_2462





ANT1

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Minimum VBW(KHz)	Limit	Verdict
11B	Ant1	2412	30.00	30.00	100.00	---	---	PASS
		2437	30.00	30.00	100.00	---	---	PASS
		2462	16.78	16.83	99.70	---	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	0.72	---	PASS
		2437	1.39	1.43	97.20	0.72	---	PASS
		2462	1.39	1.43	97.20	0.72	---	PASS
11N20SISO	Ant1	2412	1.30	1.34	97.01	0.77	---	PASS
		2437	1.30	1.34	97.01	0.77	---	PASS
		2462	1.30	1.34	97.01	0.77	---	PASS

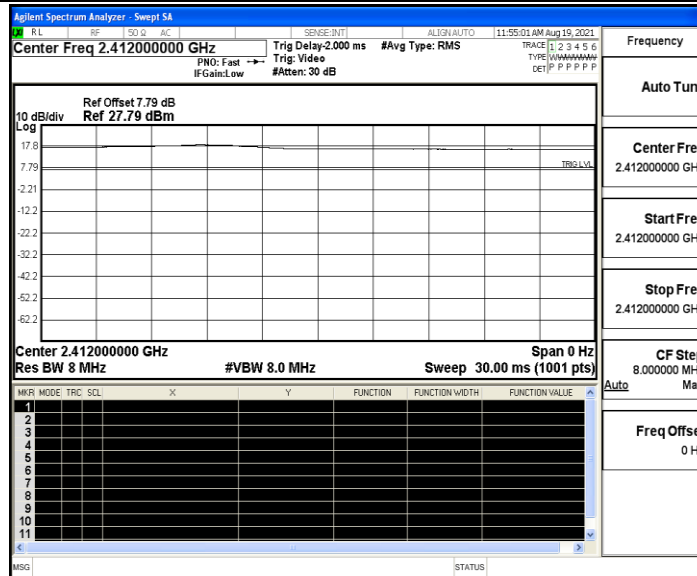
Note: Duty Cycle = (Transmission Duration / Transmission Period)*100%

When Duty Cycle is less than 98%, AV Minimum VBW [KHz] = 1/ ON Time [ms]

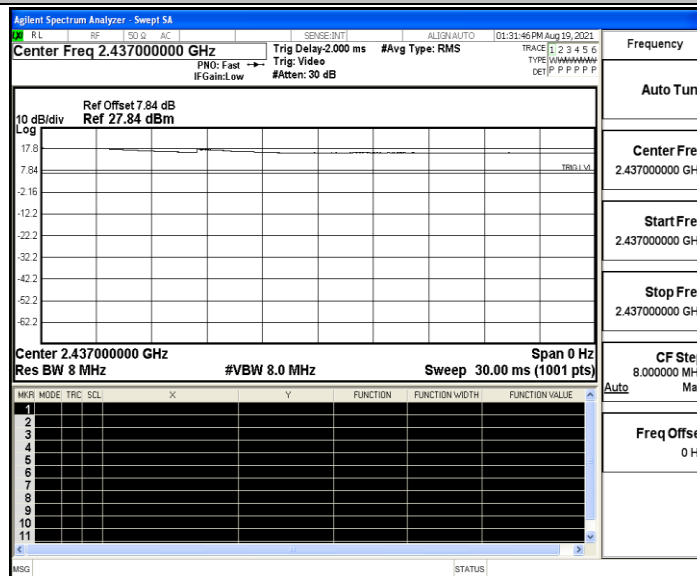


Test Graphs

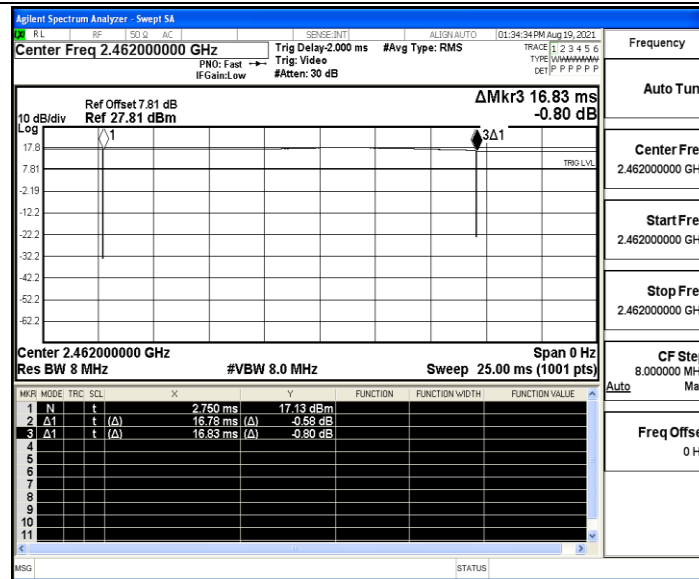
11B_Ant1_2412



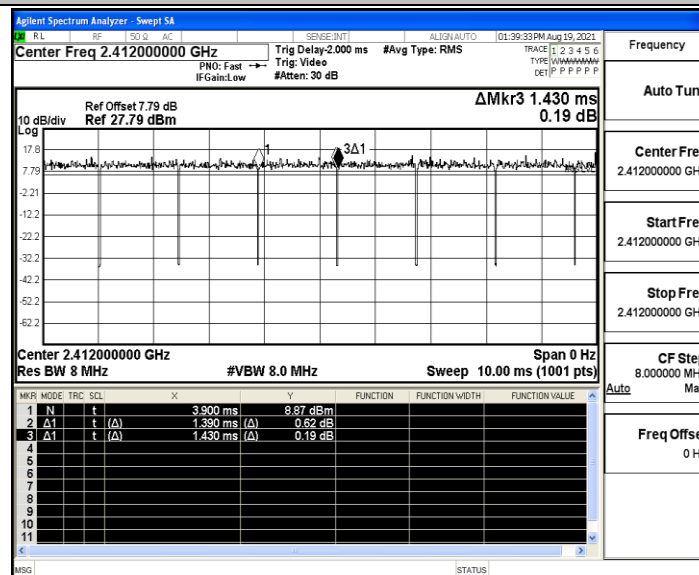
11B_Ant1_2437



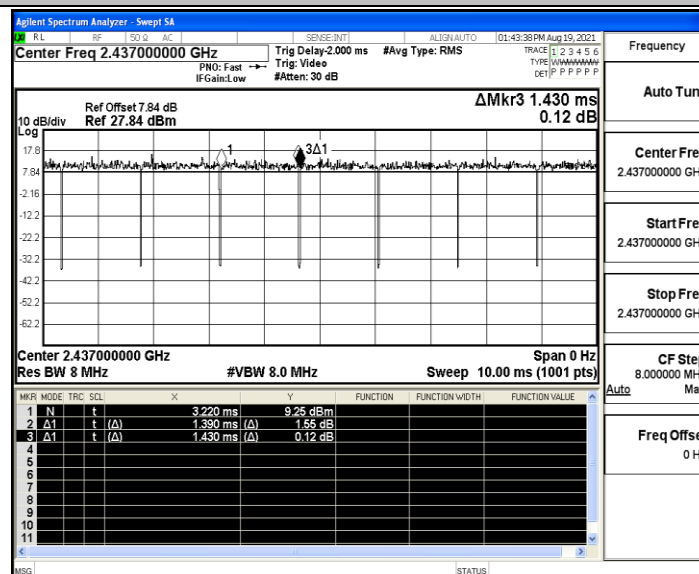
11B_Ant1_2462



11G_Ant1_2412

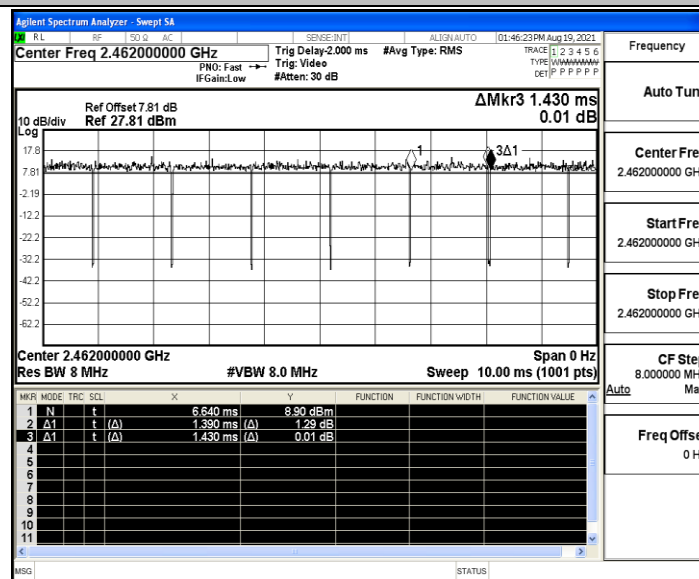


11G_Ant1_2437

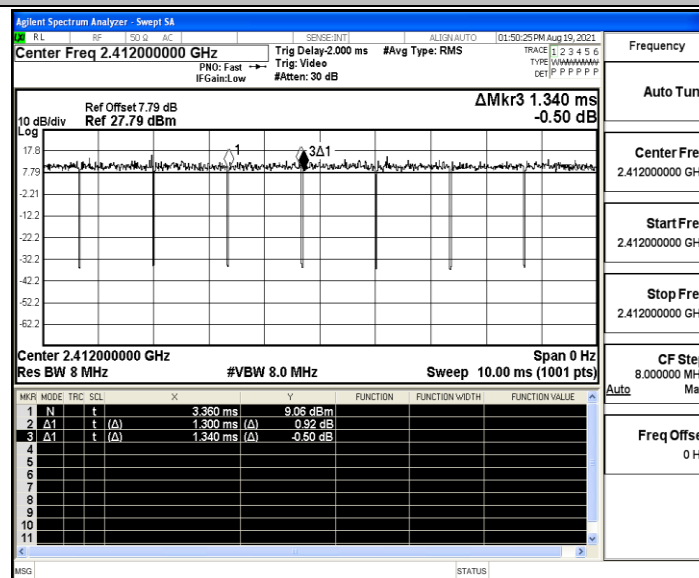




11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



B.8 Emissions in Restricted Bands

Test Result

ANT0

TestMode	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	2412	AV	2310.000	-49.28	≤-41.20	45.92	≤54	PASS
		AV	2389.960	-48.84	≤-41.20	46.36	≤54	PASS
		AV	2390.000	-48.84	≤-41.20	46.36	≤54	PASS
		Peak	2310.000	-43.99	≤-21.20	51.21	≤74	PASS
		Peak	2372.540	-38.94	≤-21.20	56.26	≤74	PASS
		Peak	2390.000	-42.03	≤-21.20	53.17	≤74	PASS
	2462	AV	2483.500	-48.01	≤-41.20	47.19	≤54	PASS
		AV	2488.070	-46.81	≤-41.20	48.39	≤54	PASS
		AV	2500.000	-48.3	≤-41.20	46.90	≤54	PASS
		Peak	2483.500	-42.4	≤-21.20	52.80	≤74	PASS
		Peak	2483.560	-39.12	≤-21.20	56.08	≤74	PASS
		Peak	2500.000	-43.9	≤-21.20	51.30	≤74	PASS
11G	2412	AV	2310.000	-48.78	≤-41.20	46.42	≤54	PASS
		AV	2387.750	-48.22	≤-41.20	46.98	≤54	PASS
		AV	2390.000	-48.31	≤-41.20	46.89	≤54	PASS
		Peak	2310.000	-42.35	≤-21.20	52.85	≤74	PASS
		Peak	2378.780	-38.88	≤-21.20	56.32	≤74	PASS
		Peak	2390.000	-41.63	≤-21.20	53.57	≤74	PASS
	2462	AV	2483.500	-47.48	≤-41.20	47.72	≤54	PASS
		AV	2487.960	-45.5	≤-41.20	49.70	≤54	PASS
		AV	2500.000	-47.79	≤-41.20	47.41	≤54	PASS
		Peak	2483.500	-40.79	≤-21.20	54.41	≤74	PASS
		Peak	2487.410	-37.47	≤-21.20	57.73	≤74	PASS
		Peak	2500.000	-39.83	≤-21.20	55.37	≤74	PASS
11N20 SISO	2412	AV	2310.000	-48.7	≤-41.20	46.50	≤54	PASS
		AV	2389.700	-48.25	≤-41.20	46.95	≤54	PASS
		AV	2390.000	-48.36	≤-41.20	46.84	≤54	PASS
		Peak	2310.000	-43.01	≤-21.20	52.19	≤74	PASS
		Peak	2370.460	-39.11	≤-21.20	56.09	≤74	PASS
		Peak	2390.000	-41.64	≤-21.20	53.56	≤74	PASS
	2462	AV	2483.500	-47.33	≤-41.20	47.87	≤54	PASS
		AV	2487.850	-45.46	≤-41.20	49.74	≤54	PASS
		AV	2500.000	-47.82	≤-41.20	47.38	≤54	PASS
		Peak	2483.500	-40.13	≤-21.20	55.07	≤74	PASS
		Peak	2487.850	-37.87	≤-21.20	57.33	≤74	PASS
		Peak	2500.000	-39.49	≤-21.20	55.71	≤74	PASS



ANT1

TestMode	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	2412	AV	2310.000	-49.34	≤-41.20	45.86	≤54	PASS
		AV	2389.440	-48.84	≤-41.20	46.36	≤54	PASS
		AV	2390.000	-48.85	≤-41.20	46.35	≤54	PASS
		Peak	2310.000	-44.41	≤-21.20	50.79	≤74	PASS
		Peak	2362.270	-38.93	≤-21.20	56.27	≤74	PASS
		Peak	2390.000	-43.24	≤-21.20	51.96	≤74	PASS
	2462	AV	2483.500	-47.38	≤-41.20	47.82	≤54	PASS
		AV	2487.740	-46.32	≤-41.20	48.88	≤54	PASS
		AV	2500.000	-48.34	≤-41.20	46.86	≤54	PASS
		Peak	2483.500	-44.95	≤-21.20	50.25	≤74	PASS
		Peak	2483.890	-39.01	≤-21.20	56.19	≤74	PASS
		Peak	2500.000	-43.44	≤-21.20	51.76	≤74	PASS
11G	2412	AV	2310.000	-48.79	≤-41.20	46.41	≤54	PASS
		AV	2389.960	-48.22	≤-41.20	46.98	≤54	PASS
		AV	2390.000	-48.22	≤-41.20	46.98	≤54	PASS
		Peak	2310.000	-41.82	≤-21.20	53.38	≤74	PASS
		Peak	2322.750	-38.91	≤-21.20	56.29	≤74	PASS
		Peak	2390.000	-40.01	≤-21.20	55.19	≤74	PASS
	2462	AV	2483.500	-47.39	≤-41.20	47.81	≤54	PASS
		AV	2487.960	-45.67	≤-41.20	49.53	≤54	PASS
		AV	2500.000	-47.78	≤-41.20	47.42	≤54	PASS
		Peak	2483.500	-40.21	≤-21.20	54.99	≤74	PASS
		Peak	2484.110	-37.74	≤-21.20	57.46	≤74	PASS
		Peak	2500.000	-41.6	≤-21.20	53.60	≤74	PASS
11N20 SISO	2412	AV	2310.000	-48.82	≤-41.20	46.38	≤54	PASS
		AV	2389.570	-48.19	≤-41.20	47.01	≤54	PASS
		AV	2390.000	-48.36	≤-41.20	46.84	≤54	PASS
		Peak	2310.000	-41.38	≤-21.20	53.82	≤74	PASS
		Peak	2386.450	-38.46	≤-21.20	56.74	≤74	PASS
		Peak	2390.000	-42.41	≤-21.20	52.79	≤74	PASS
	2462	AV	2483.500	-47.32	≤-41.20	47.88	≤54	PASS
		AV	2487.960	-45.69	≤-41.20	49.51	≤54	PASS
		AV	2500.000	-47.76	≤-41.20	47.44	≤54	PASS
		Peak	2483.500	-38.75	≤-21.20	56.45	≤74	PASS
		Peak	2487.960	-36.63	≤-21.20	58.57	≤74	PASS
		Peak	2500.000	-40.42	≤-21.20	54.78	≤74	PASS

**Combined Ant_0 and Ant_1**

TestMode	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11N20 MIMO	2412	AV	2310.000	-47.35	≤-41.20	47.85	≤54	PASS
		AV	2389.570	-46.62	≤-41.20	48.58	≤54	PASS
		AV	2390.000	-46.63	≤-41.20	48.57	≤54	PASS
		Peak	2310.000	-38.25	≤-21.20	56.95	≤74	PASS
		Peak	2365.520	-36.99	≤-21.20	58.21	≤74	PASS
		Peak	2390.000	-38.17	≤-21.20	57.03	≤74	PASS
	2462	AV	2483.500	-46.05	≤-41.20	49.15	≤54	PASS
		AV	2483.560	-46.07	≤-41.20	49.13	≤54	PASS
		AV	2500.000	-46.25	≤-41.20	48.95	≤54	PASS
		Peak	2483.500	-34.85	≤-21.20	60.35	≤74	PASS
		Peak	2483.560	-33.98	≤-21.20	61.22	≤74	PASS
		Peak	2500.000	-37.57	≤-21.20	57.63	≤74	PASS

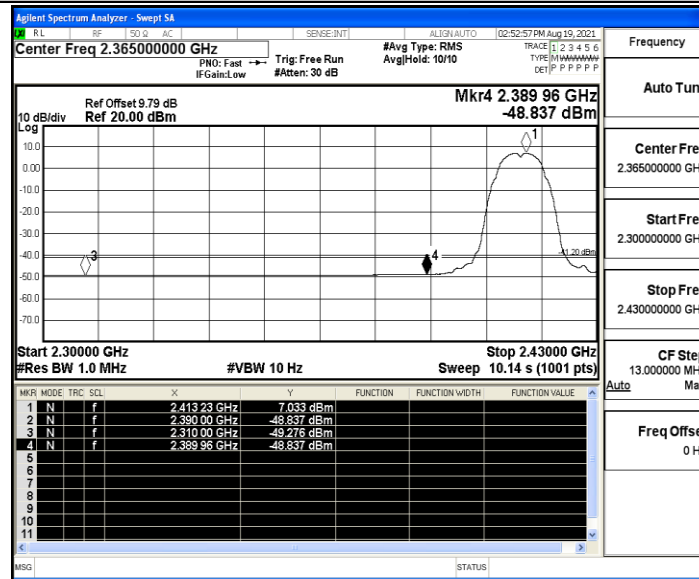
Note:

1. The Antenna Gain is compensated in the graph.
2. 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.

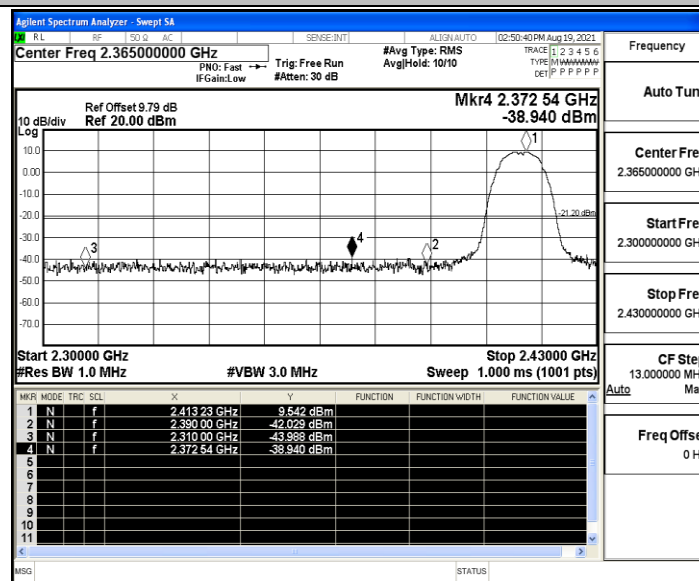


Test Graphs (ANT0)

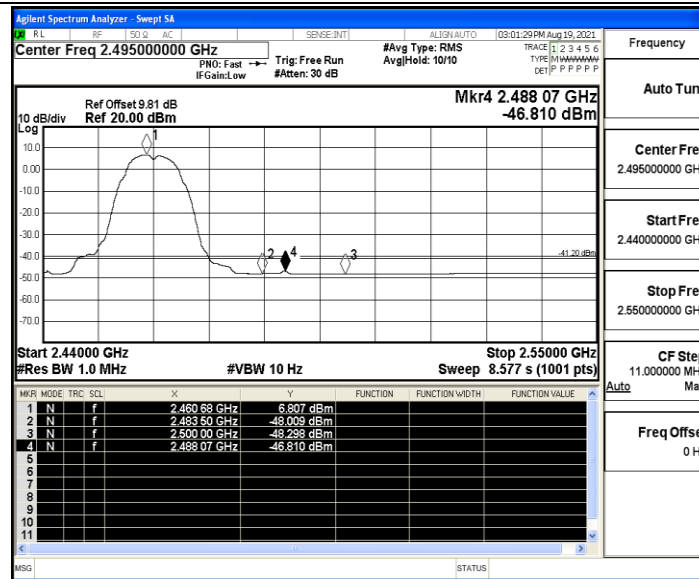
11B_Ant0_Low_2412_AV



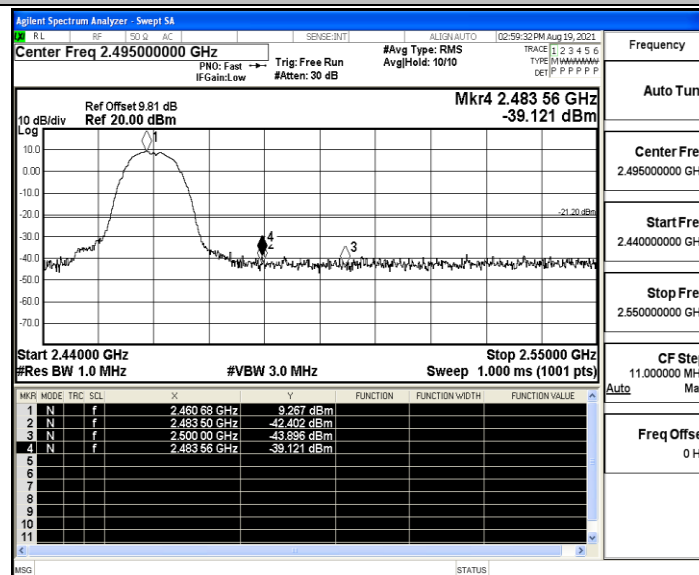
11B_Ant0_Low_2412_Peak



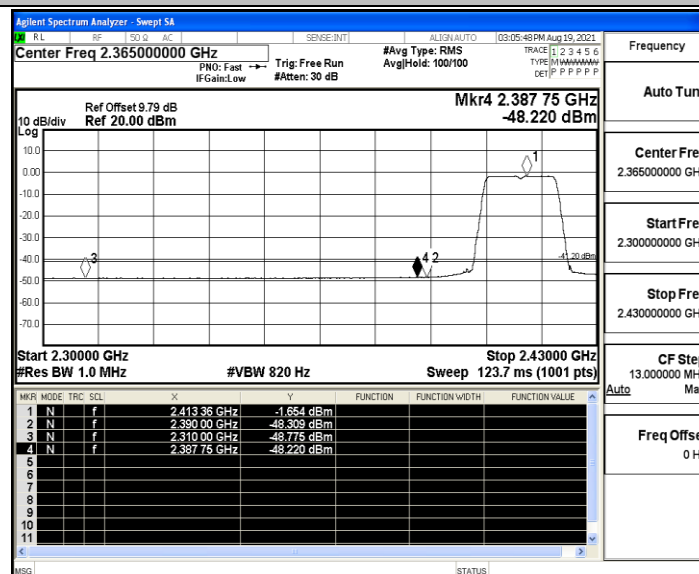
11B_Ant0_High_2462_AV



11B_Ant0_High_2462_Peak

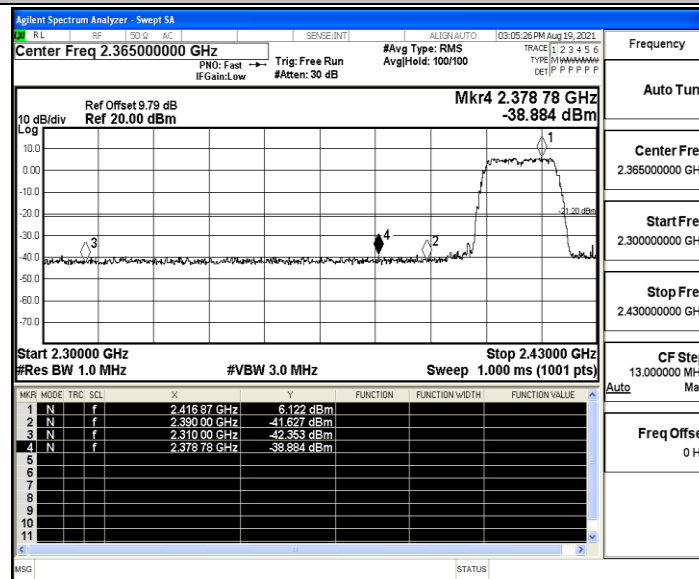


11G_Ant0_Low_2412_AV

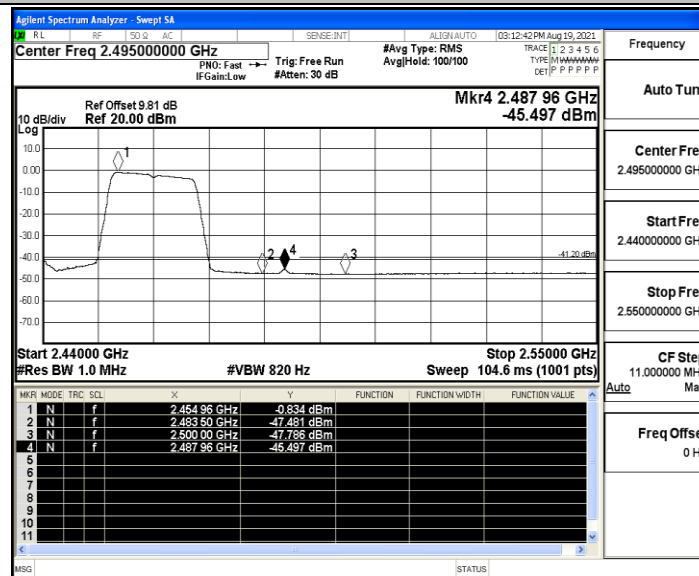




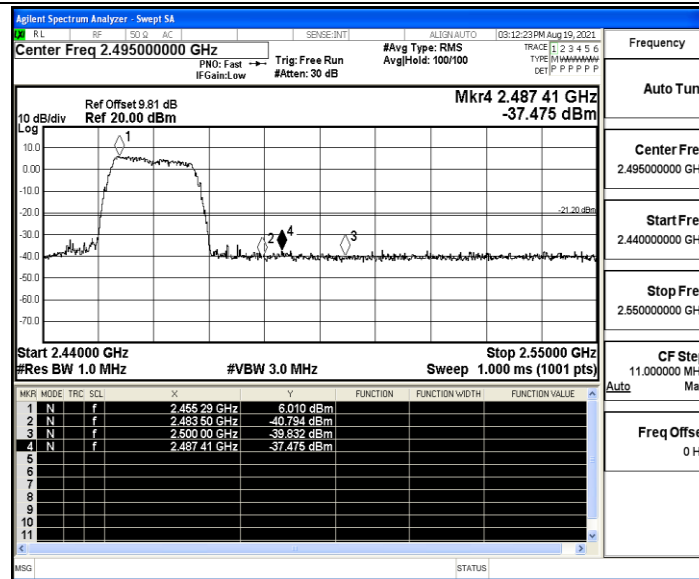
11G_Ant0_Low_2412_Peak



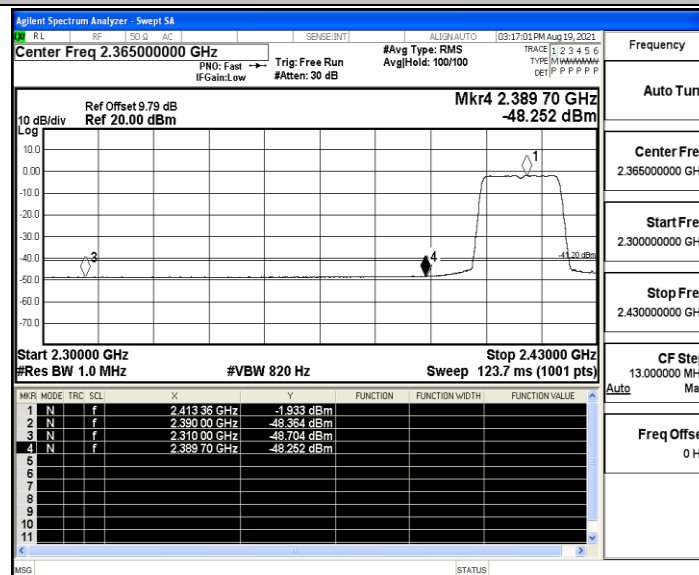
11G_Ant0_High_2462_AV



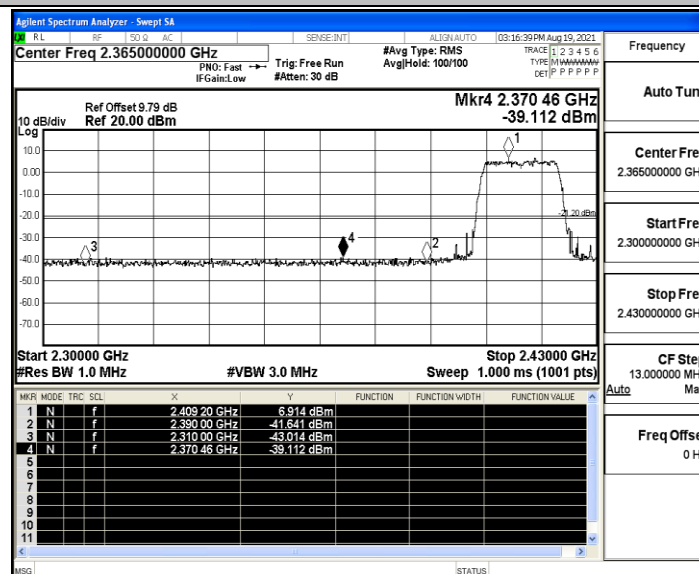
11G_Ant0_High_2462_Peak



11N20SISO_Ant0_Low_2412_AV

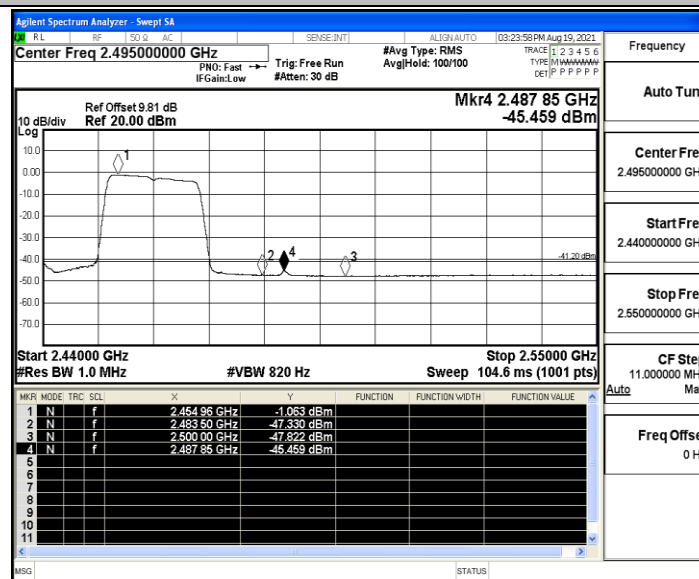


11N20SISO_Ant0_Low_2412_Peak

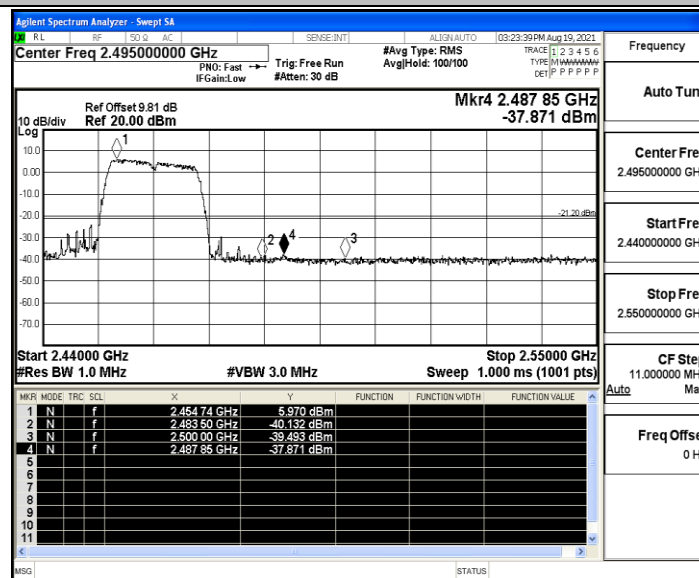




11N20SISO_Ant0_High_2462_AV



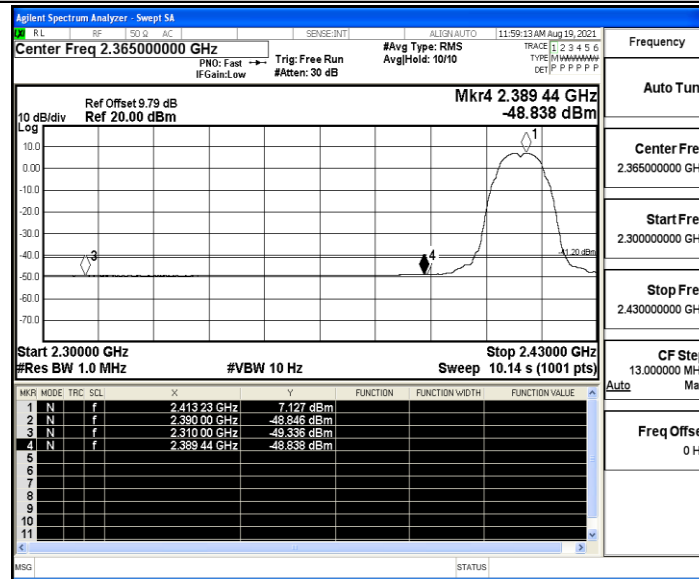
11N20SISO_Ant0_High_2462_Peak



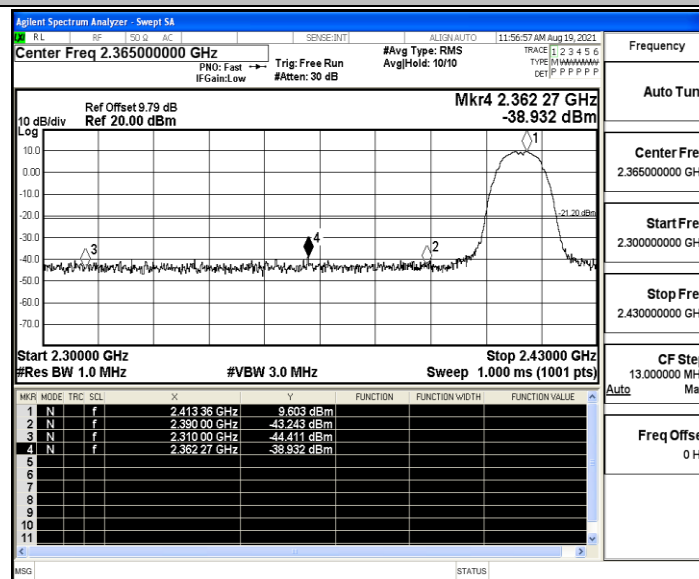


Test Graphs (ANT1)

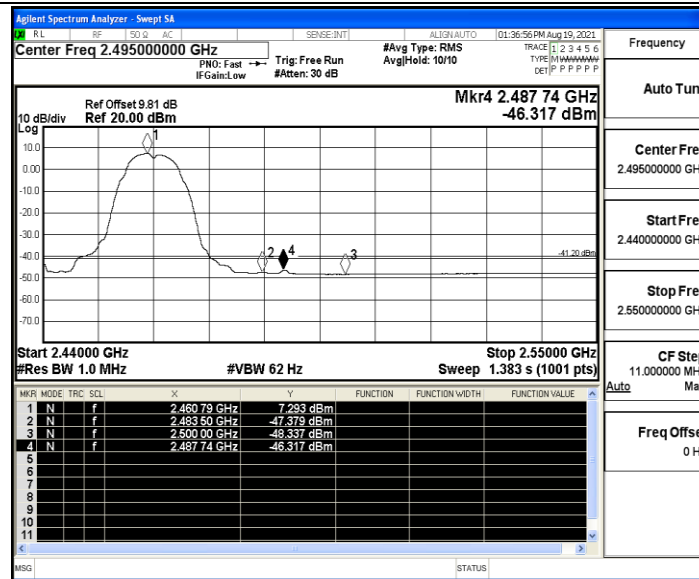
11B_Ant1_Low_2412_AV



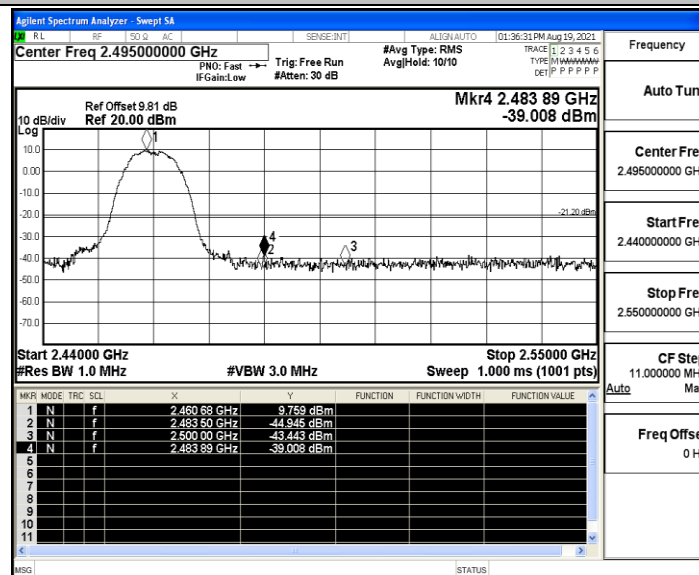
11B_Ant1_Low_2412_Peak



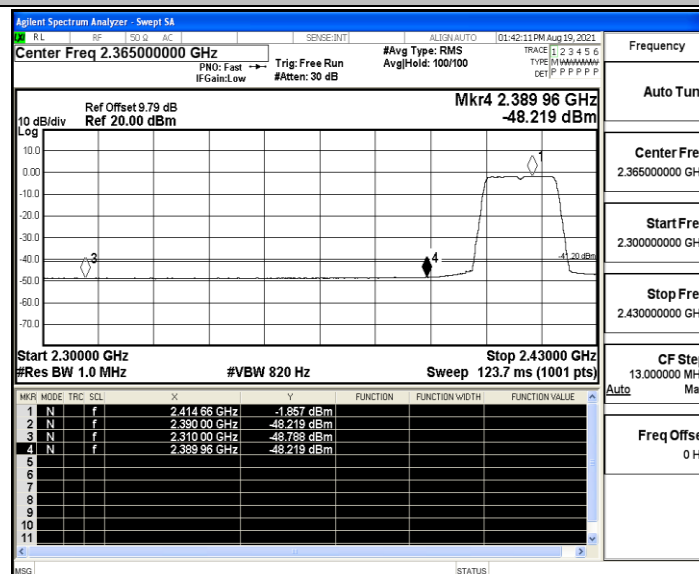
11B_Ant1_High_2462_AV



11B_Ant1_High_2462_Peak

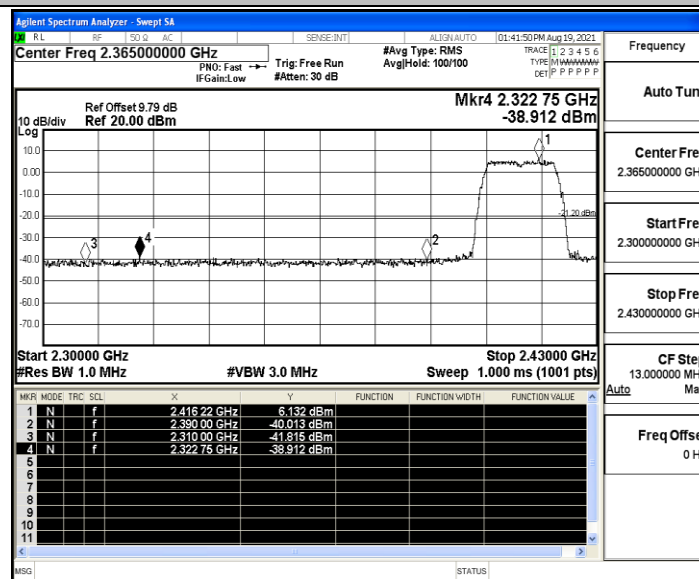


11G_Ant1_Low_2412_AV

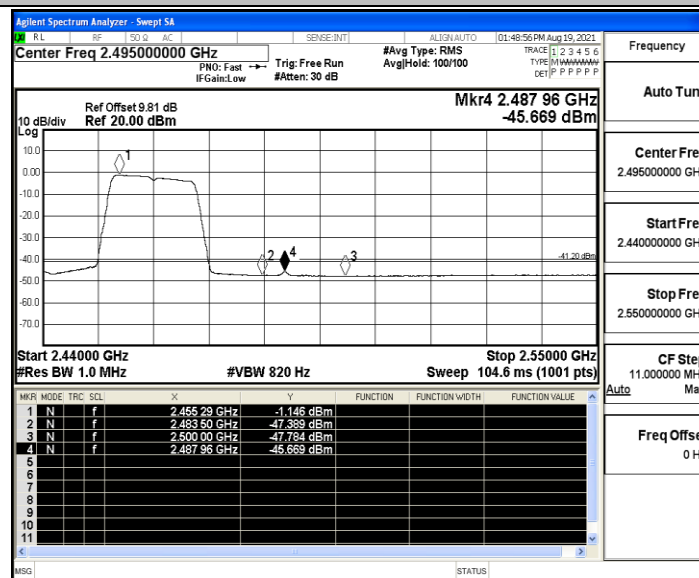




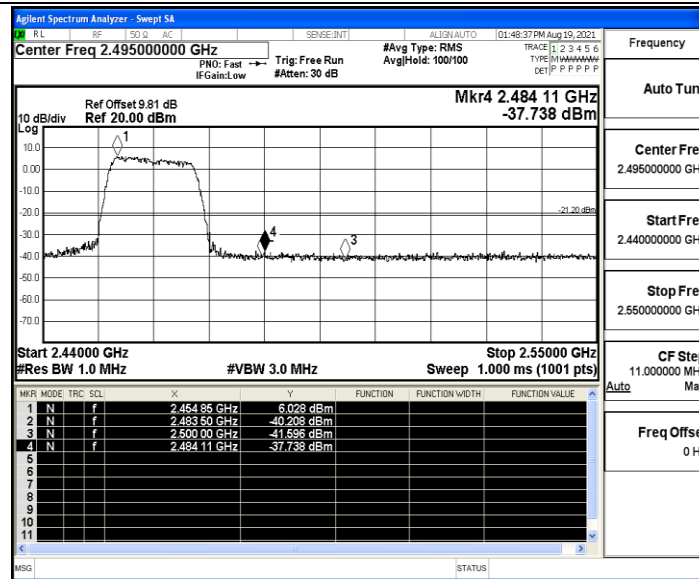
11G_Ant1_Low_2412_Peak



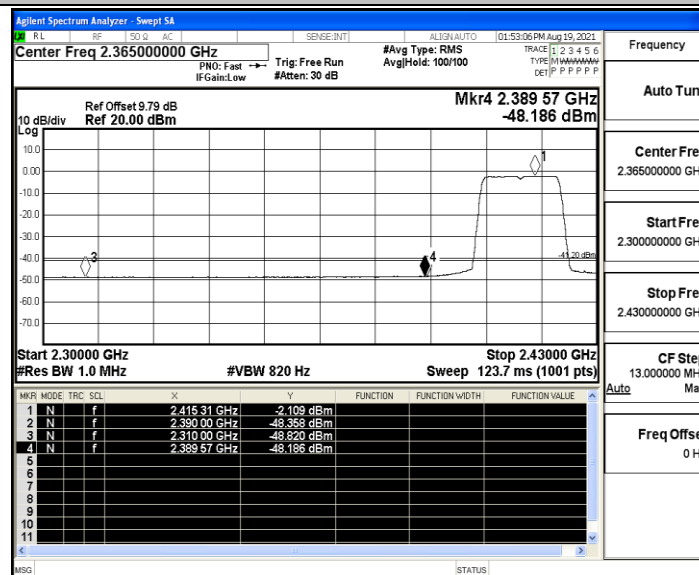
11G_Ant1_High_2462_AV



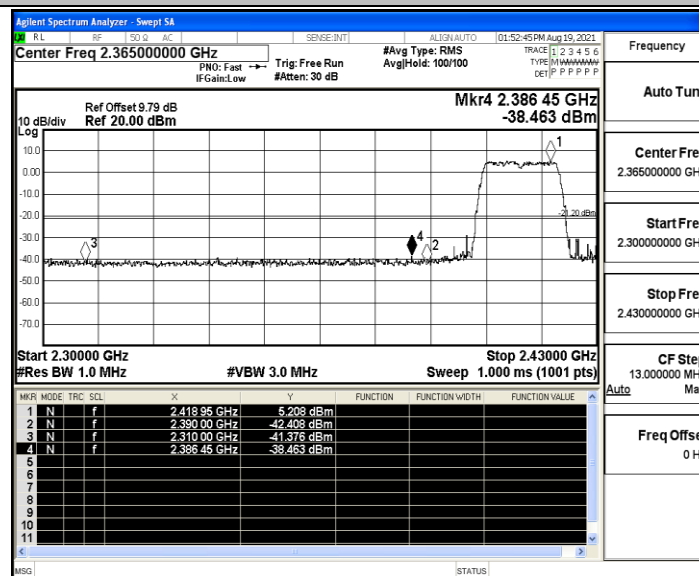
11G_Ant1_High_2462_Peak



11N20SISO_Ant1_Low_2412_AV

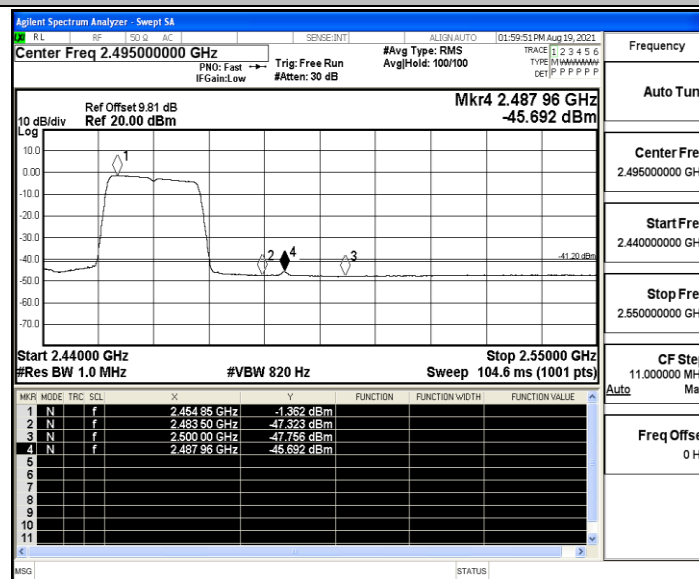


11N20SISO_Ant1_Low_2412_Peak

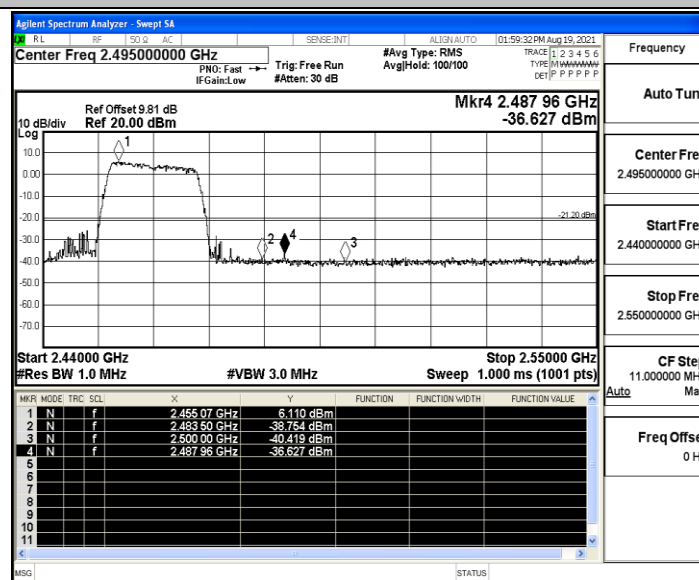




11N20SISO_Ant1_High_2462_AV



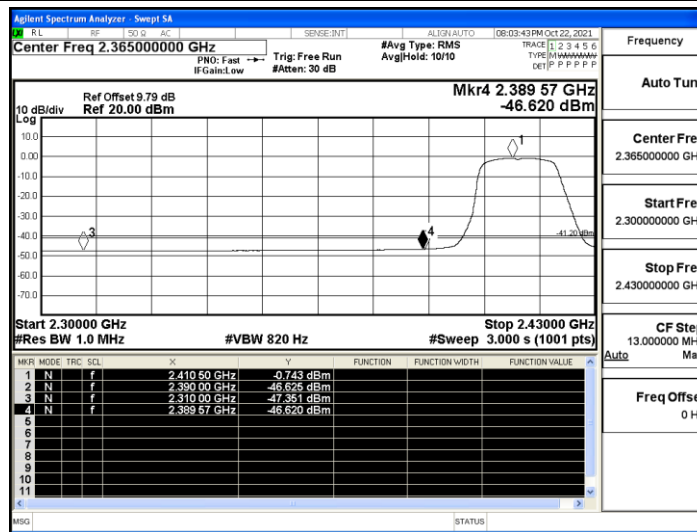
11N20SISO_Ant1_High_2462_Peak



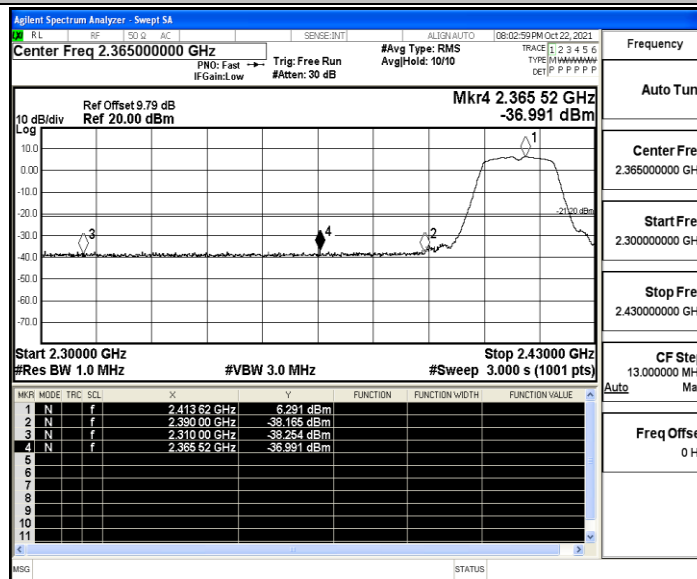


Test Graphs (MIMO)

11N20_MIMO_Low_2412_AV

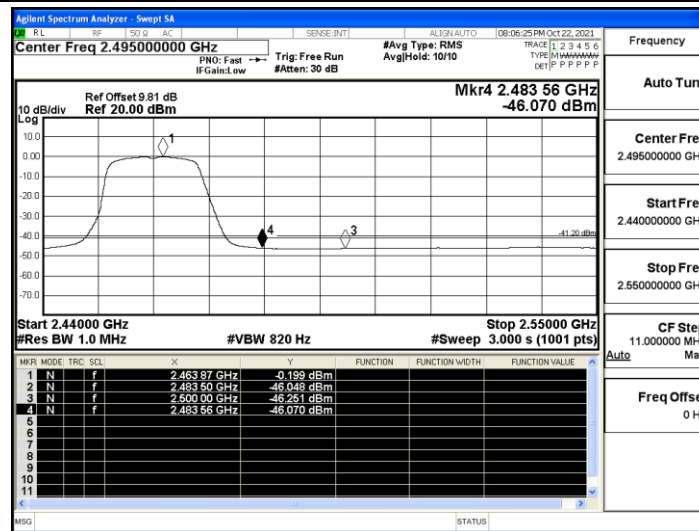


11N20_MIMO_Low_2412_Peak





11N20_MIMO_High_2462_AV



11N20_MIMO_High_2462_Peak

