



Appendix A

RF Test Data for 2.4G 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

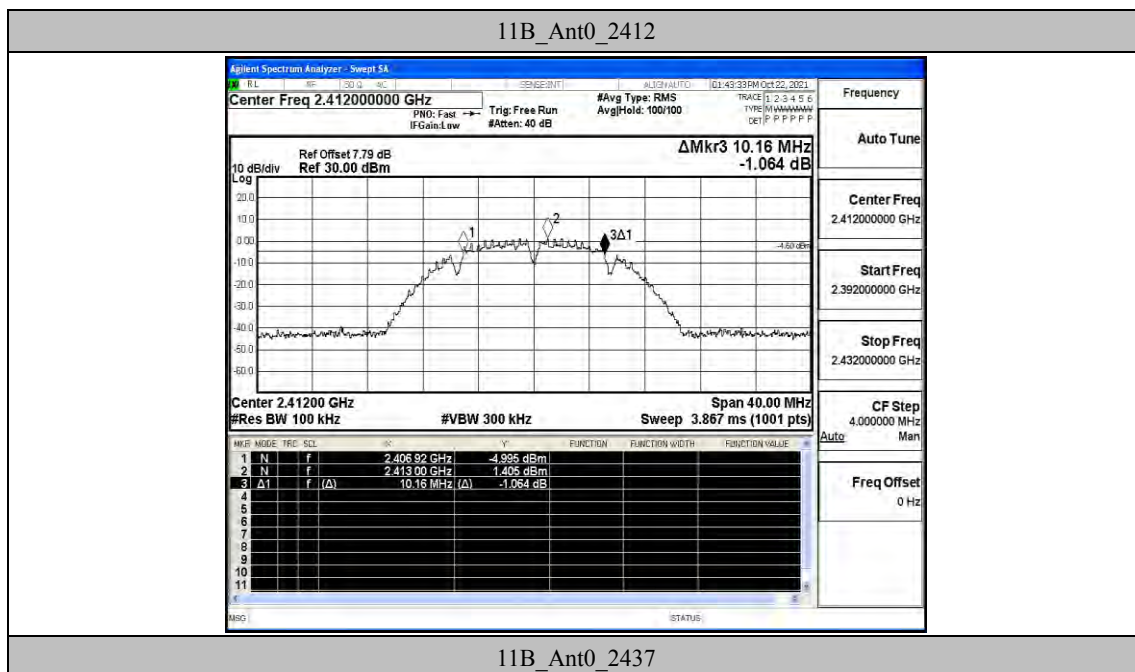
A.1 6dB Bandwidth

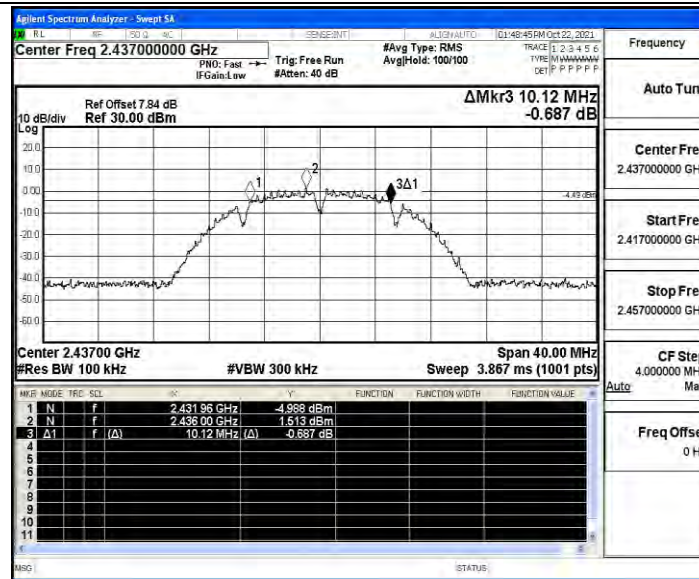
Test Result

ANT0

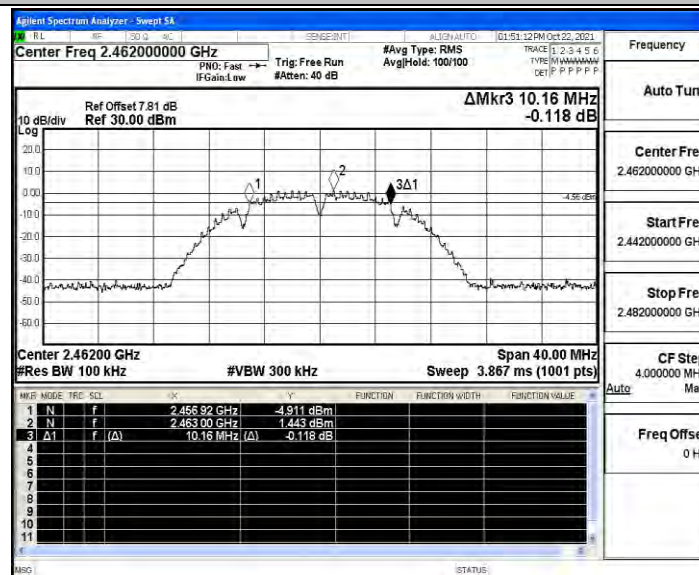
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	10.160	2406.920	2417.080	0.5	PASS
		2437	10.120	2431.960	2442.080	0.5	PASS
		2462	10.160	2456.920	2467.080	0.5	PASS
11G	Ant0	2412	15.840	2404.080	2419.920	0.5	PASS
		2437	15.160	2429.640	2444.800	0.5	PASS
		2462	15.760	2454.040	2469.800	0.5	PASS
11N20SISO	Ant0	2412	16.480	2404.080	2420.560	0.5	PASS
		2437	15.000	2429.560	2444.560	0.5	PASS
		2462	17.040	2453.480	2470.520	0.5	PASS
11N40SISO	Ant0	2422	35.200	2404.400	2439.600	0.5	PASS
		2437	34.160	2420.440	2454.600	0.5	PASS
		2452	35.280	2434.400	2469.680	0.5	PASS

Test Graphs

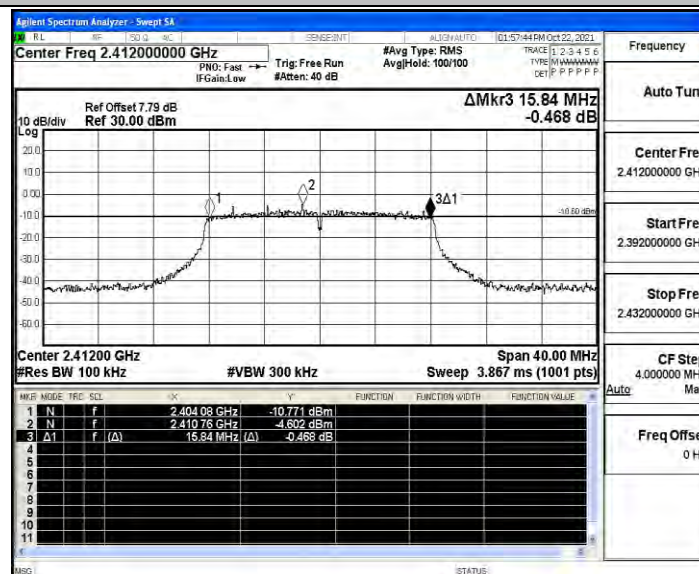




11B_Ant0_2462

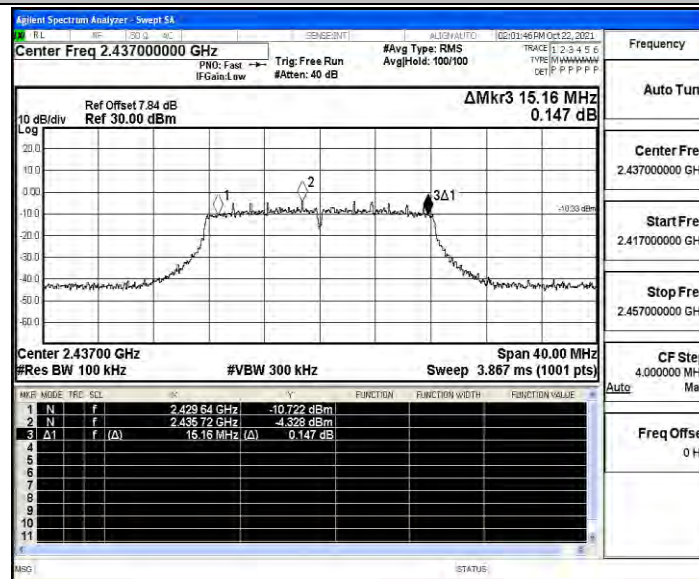


11G_Ant0_2412

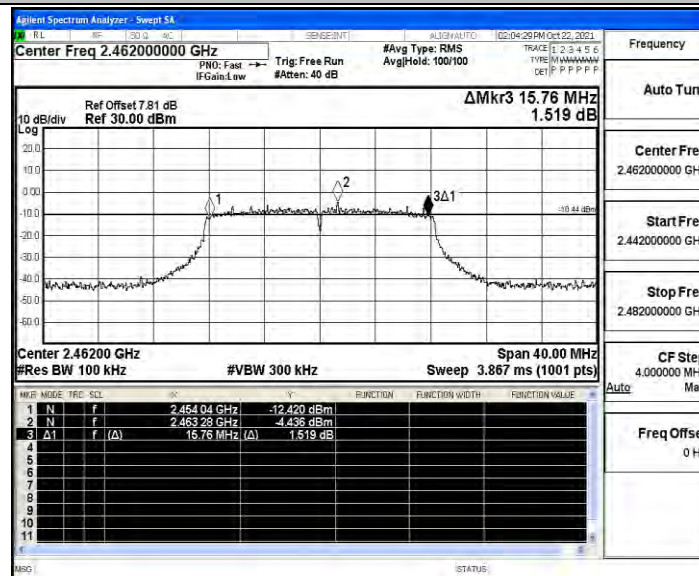




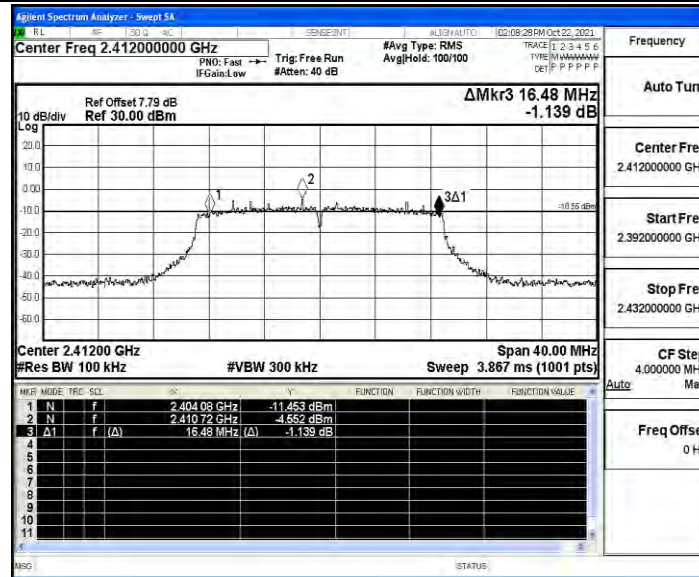
11G_Ant0_2437



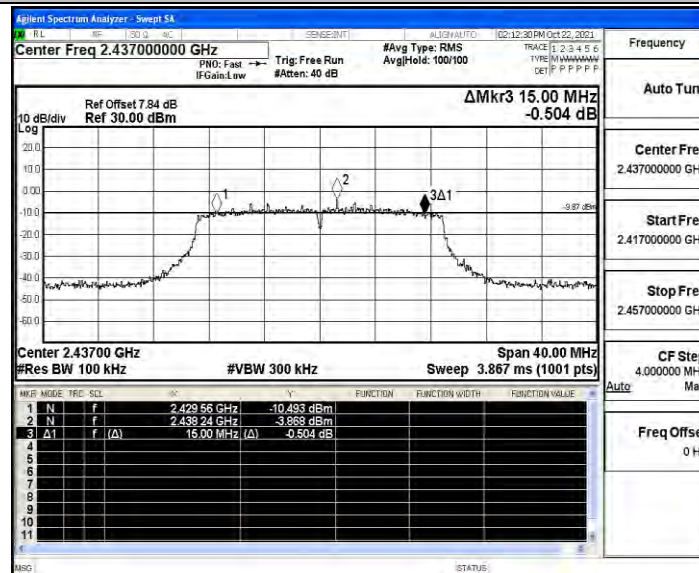
11G_Ant0_2462



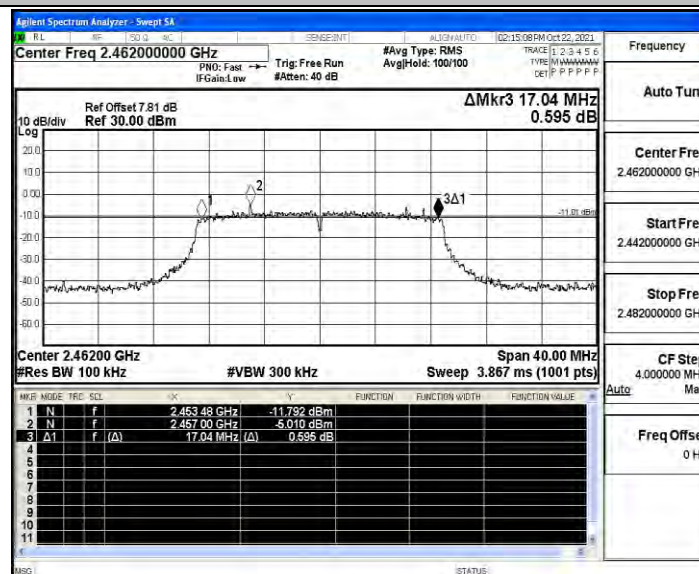
11N20SISO_Ant0_2412



11N20SISO_Ant0_2437

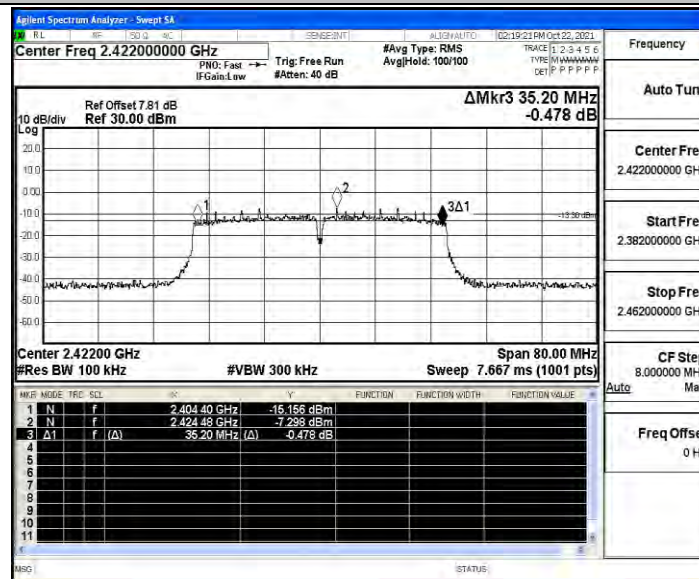


11N20SISO_Ant0_2462

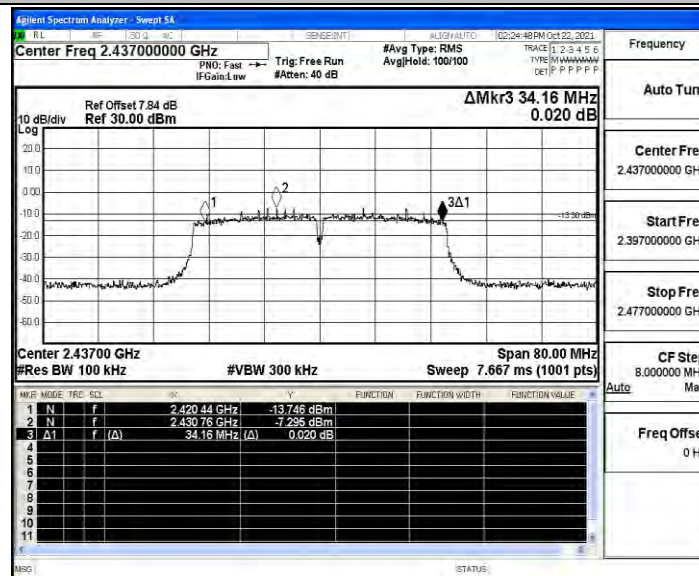




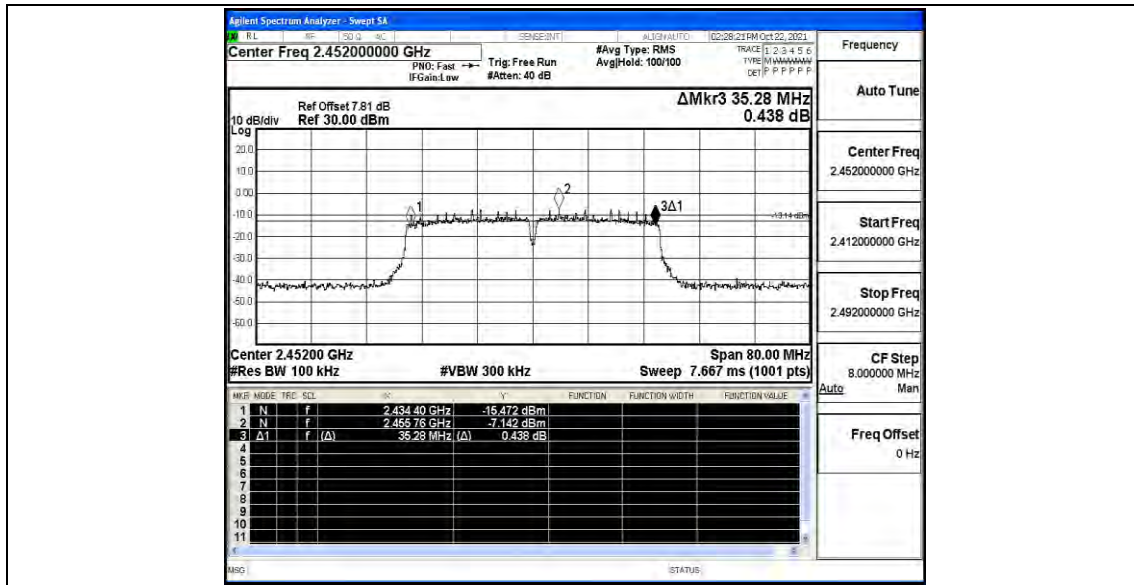
11N40SISO_Ant0_2422



11N40SISO_Ant0_2437



11N40SISO_Ant0_2452

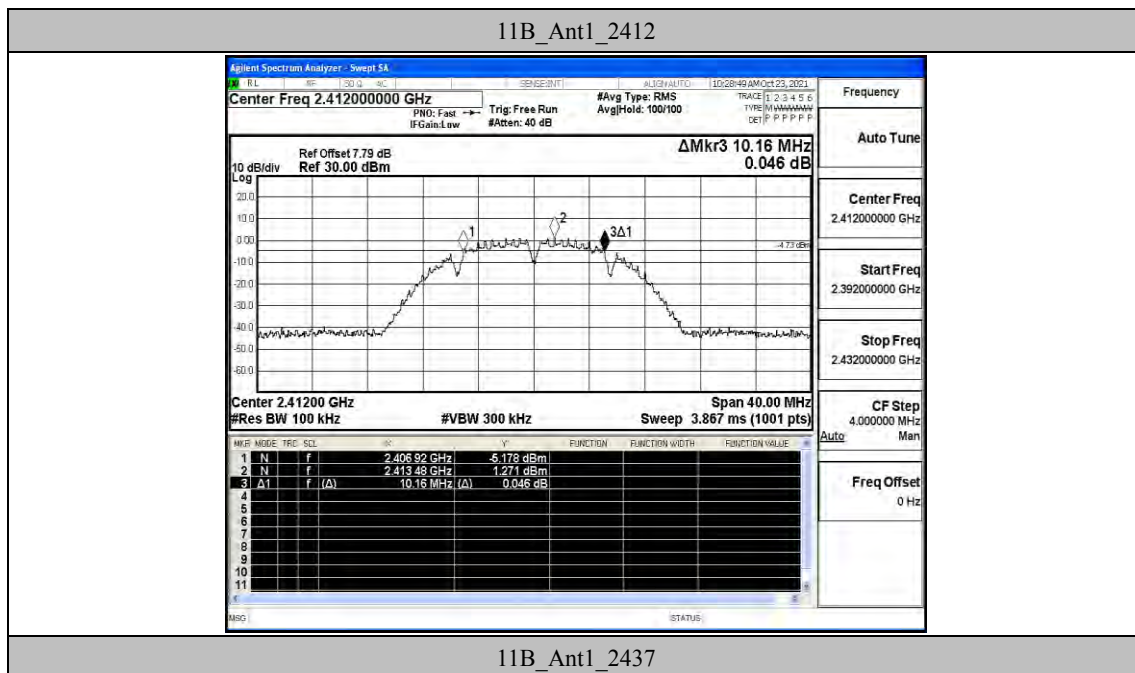


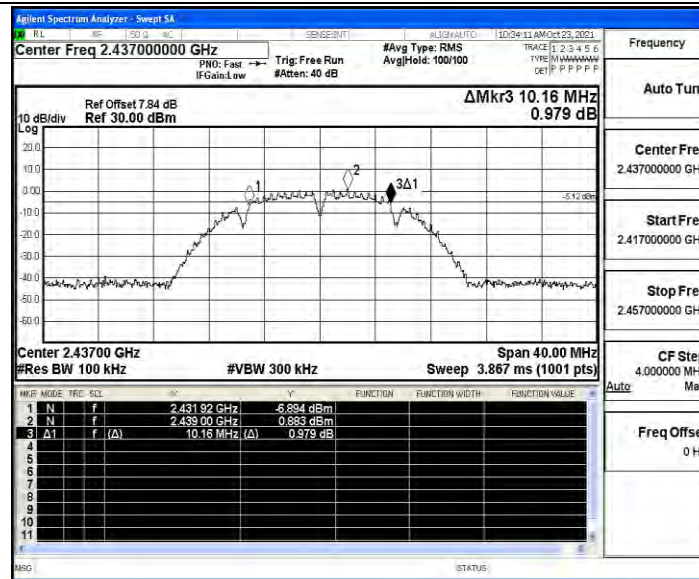


ANT1

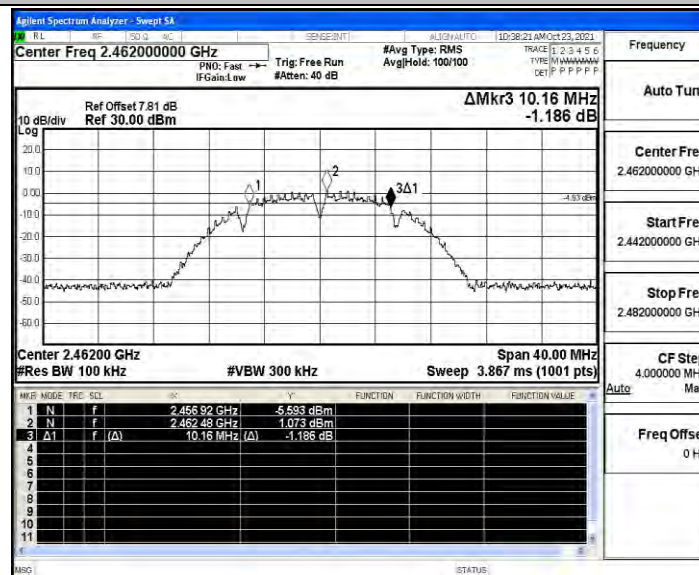
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.160	2406.920	2417.080	0.5	PASS
		2437	10.160	2431.920	2442.080	0.5	PASS
		2462	10.160	2456.920	2467.080	0.5	PASS
11G	Ant1	2412	14.480	2405.080	2419.560	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	15.600	2454.200	2469.800	0.5	PASS
11N20SISO	Ant1	2412	16.800	2403.400	2420.200	0.5	PASS
		2437	14.880	2429.400	2444.280	0.5	PASS
		2462	17.160	2453.400	2470.560	0.5	PASS
11N40SISO	Ant1	2422	34.880	2404.800	2439.680	0.5	PASS
		2437	35.280	2419.400	2454.680	0.5	PASS
		2452	35.760	2434.080	2469.840	0.5	PASS

Test Graphs

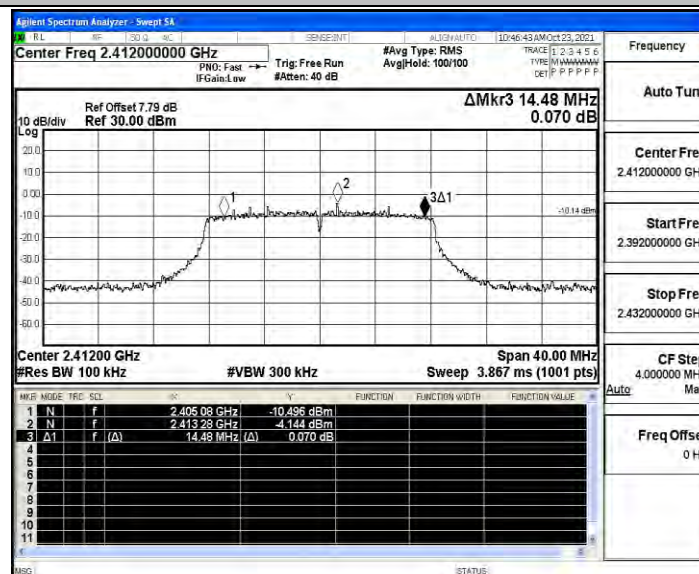




11B_Ant1_2462

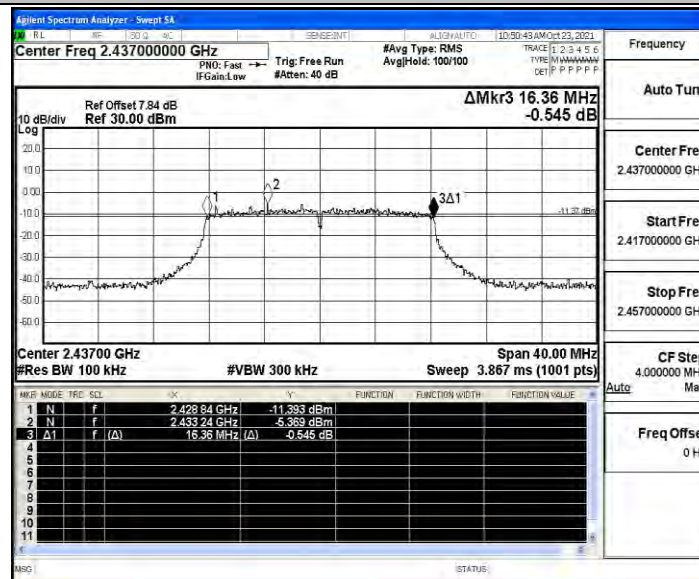


11G_Ant1_2412

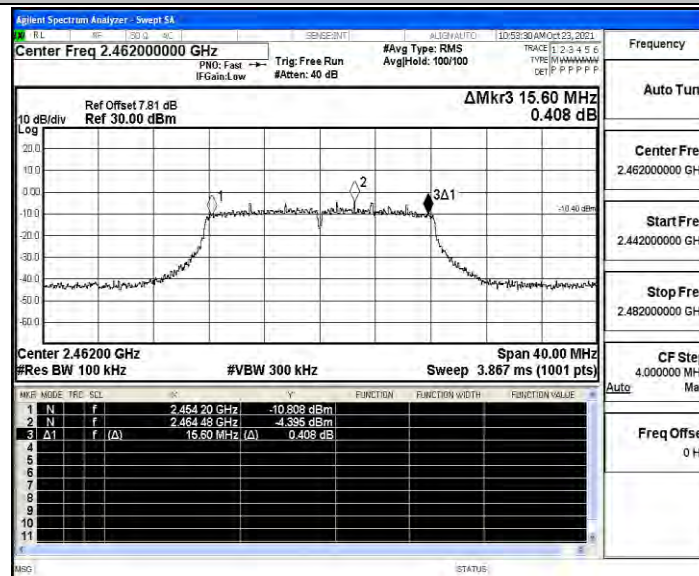




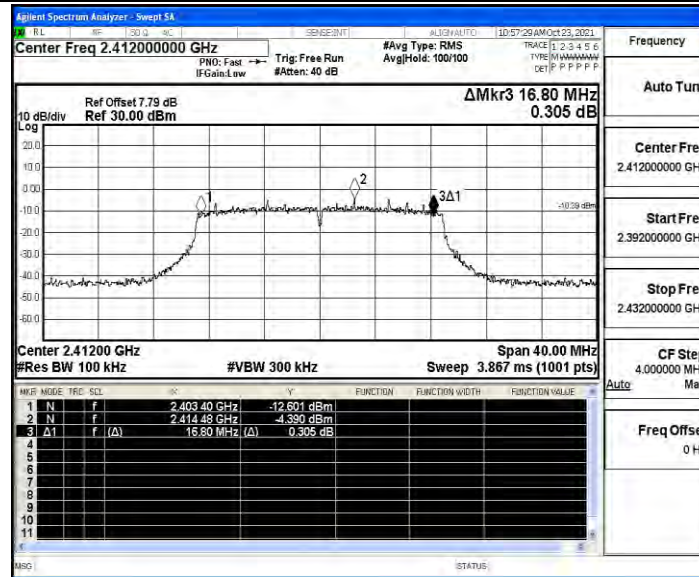
11G_Ant1_2437



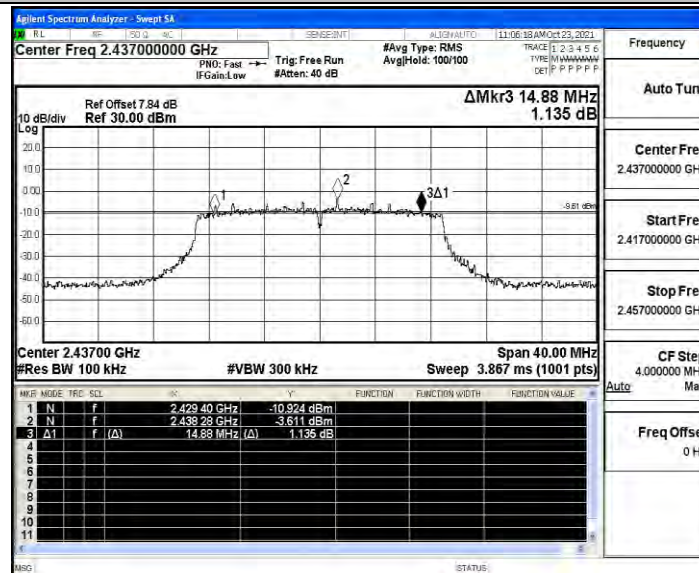
11G_Ant1_2462



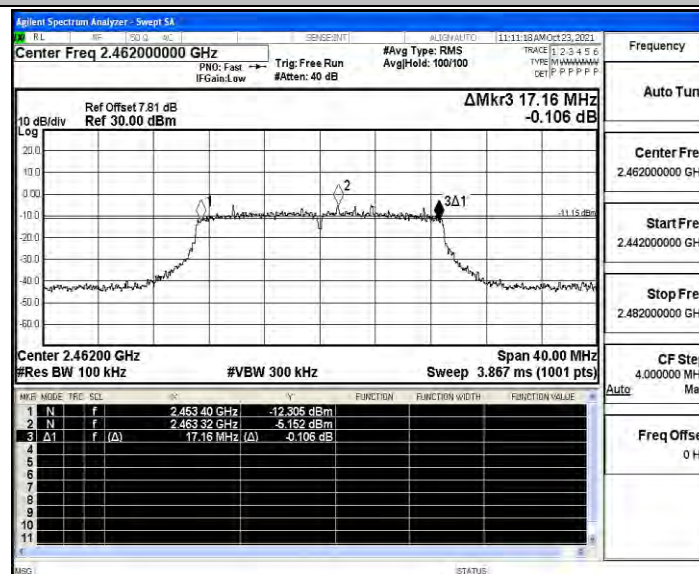
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

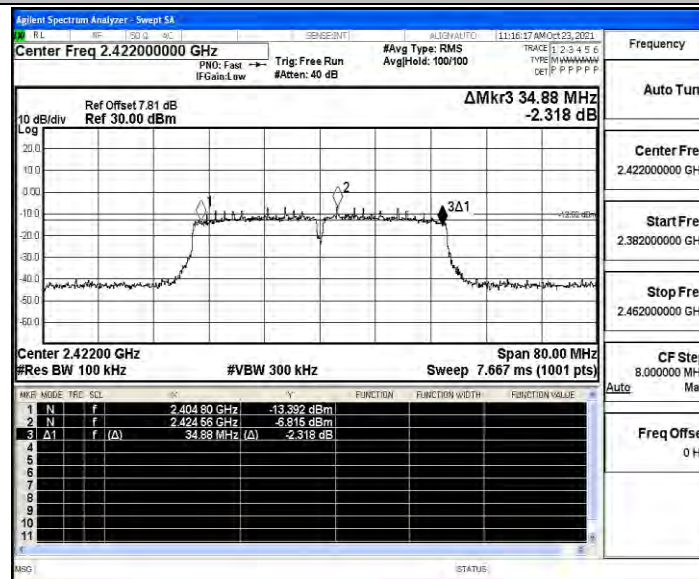


11N20SISO_Ant1_2462

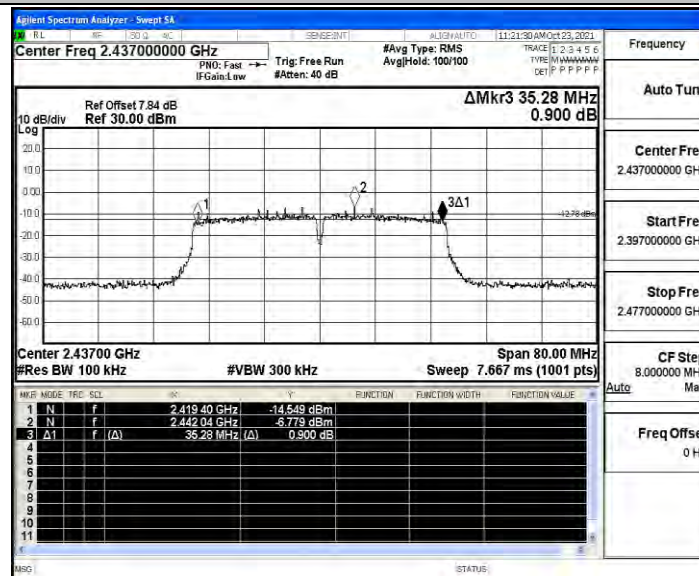




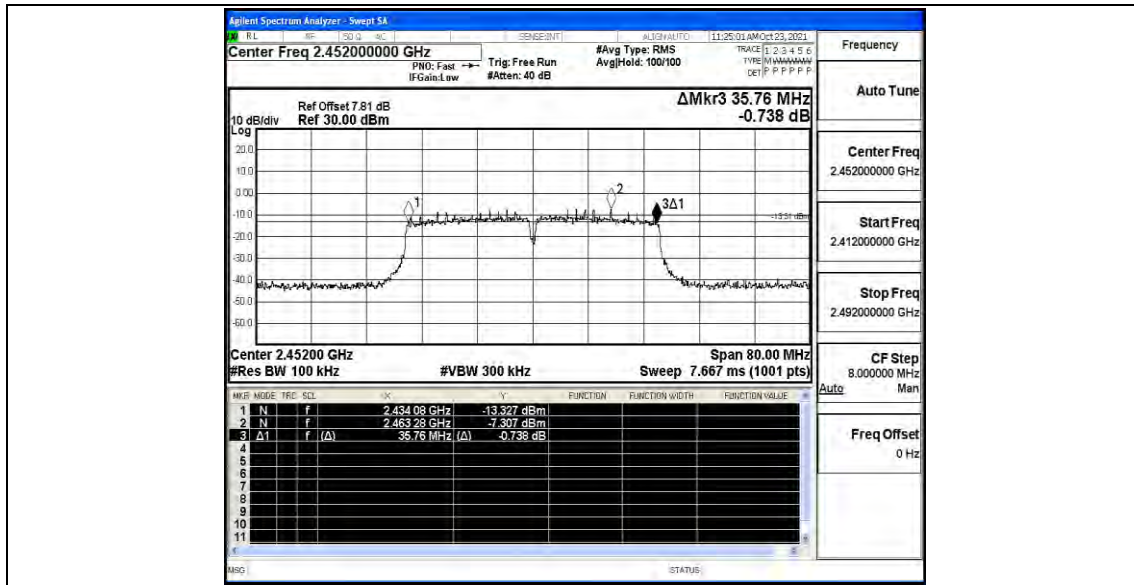
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





A.2 Maximum conducted output power

Test Result

Mode	Channel	Peak Power [dBm]			Limit [dBm]	Verdict
		Ant 0	Ant 1	Sum		
11B	2412	13.91	13.83	/	≤ 30	PASS
	2437	13.99	13.48	/	≤ 30	PASS
	2462	13.97	13.44	/	≤ 30	PASS
11G	2412	13.57	13.31	/	≤ 30	PASS
	2437	13.84	13.62	/	≤ 30	PASS
	2462	13.64	13.70	/	≤ 30	PASS
11N20	2412	13.42	13.65	16.55	≤ 30	PASS
	2437	13.65	13.74	16.71	≤ 30	PASS
	2462	13.45	13.58	16.53	≤ 30	PASS
11N40SISO	2422	13.60	13.68	16.65	≤ 30	PASS
	2437	13.75	14.00	16.89	≤ 30	PASS
	2452	13.40	13.59	16.51	≤ 30	PASS



A.3 Maximum power spectral density

ANT0

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-12.77	≤8	PASS
		2437	-11.83	≤8	PASS
		2462	-12.90	≤8	PASS
11G	Ant0	2412	-19.08	≤8	PASS
		2437	-18.77	≤8	PASS
		2462	-18.97	≤8	PASS
11N20SISO	Ant0	2412	-18.87	≤8	PASS
		2437	-18.38	≤8	PASS
		2462	-18.77	≤8	PASS
11N40SISO	Ant0	2422	-20.64	≤8	PASS
		2437	-20.59	≤8	PASS
		2452	-21.30	≤8	PASS

ANT1

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.59	≤8	PASS
		2437	-13.92	≤8	PASS
		2462	-13.69	≤8	PASS
11G	Ant1	2412	-19.11	≤8	PASS
		2437	-19.14	≤8	PASS
		2462	-19.01	≤8	PASS
11N20SISO	Ant1	2412	-18.41	≤8	PASS
		2437	-18.26	≤8	PASS
		2462	-18.41	≤8	PASS
11N40SISO	Ant1	2422	-20.50	≤8	PASS
		2437	-20.38	≤8	PASS
		2452	-20.73	≤8	PASS

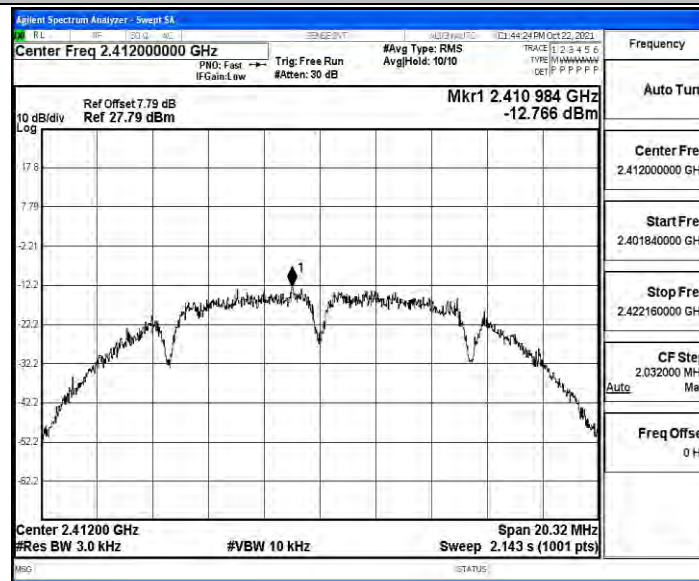
MIMO

Mode	Channel	MIMO PSD [dBm/3KHz]			Limit [dBm/3KHz]	Verdict
		Ant 0	Ant 1	Sum		
11N20SISO	2412	-18.87	-18.41	-15.62	7.99	PASS
	2437	-18.38	-18.26	-15.31	7.99	PASS
	2462	-18.77	-18.41	-15.58	7.99	PASS
11N40SISO	2422	-20.64	-20.50	-17.56	7.99	PASS
	2437	-20.59	-20.38	-17.47	7.99	PASS
	2452	-21.3	-20.73	-18.00	7.99	PASS

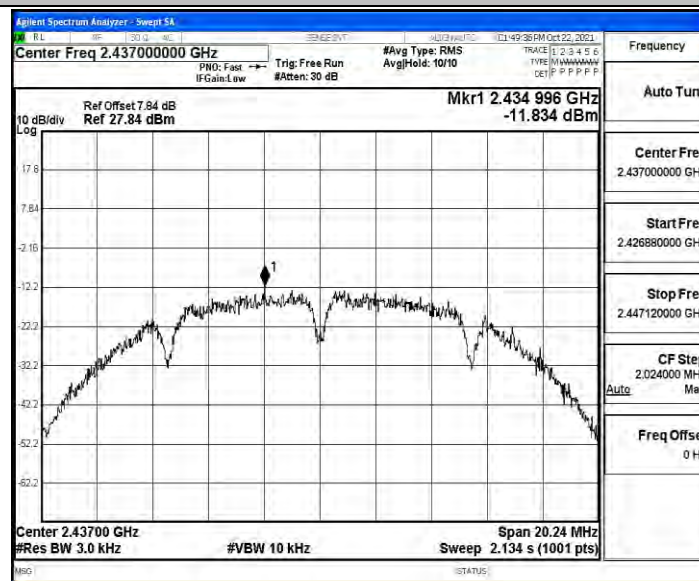


Test Graphs(ANT0)

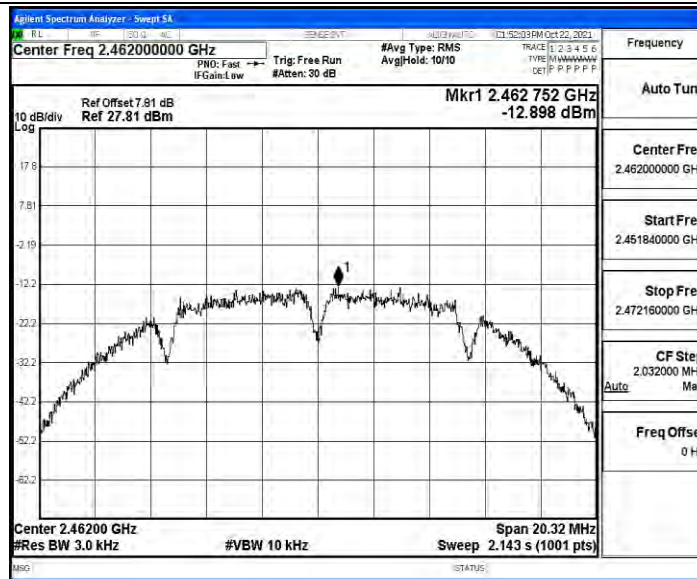
11B_Ant0_2412



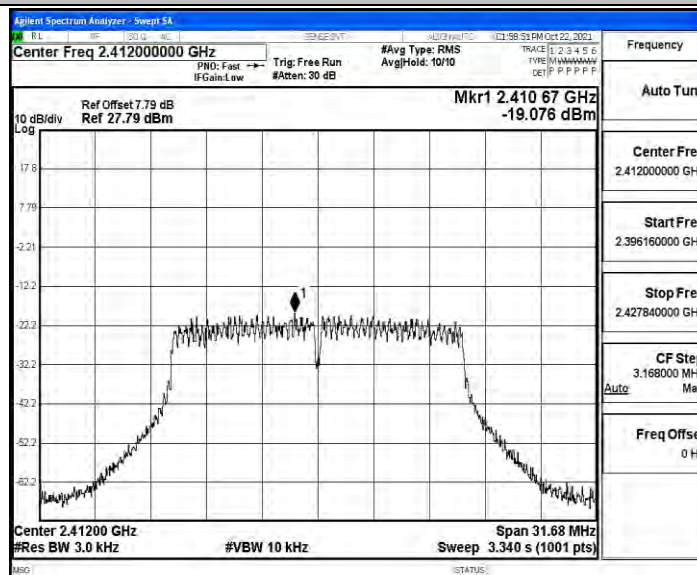
11B_Ant0_2437



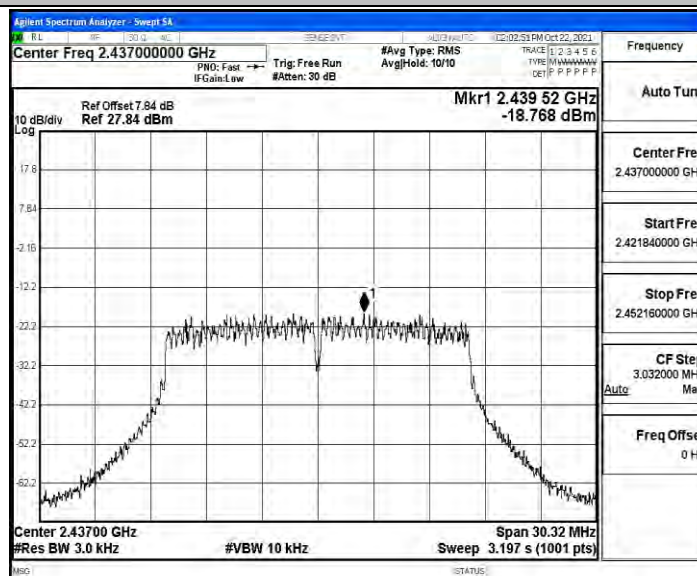
11B_Ant0_2462



11G_Ant0_2412

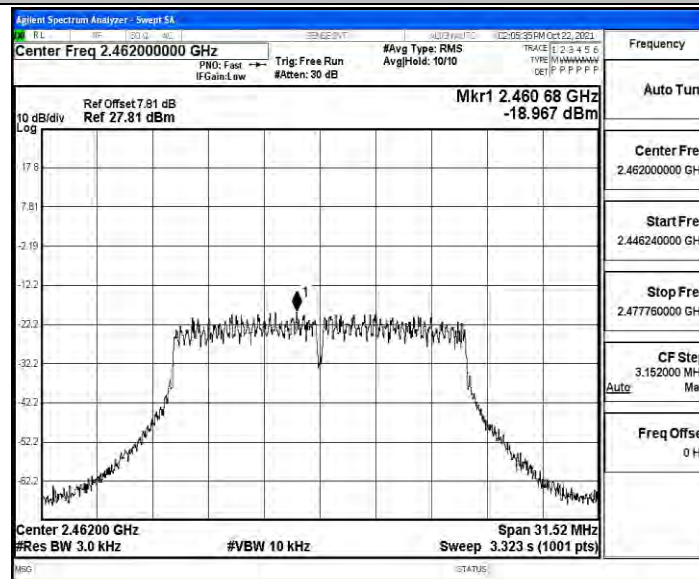


11G_Ant0_2437

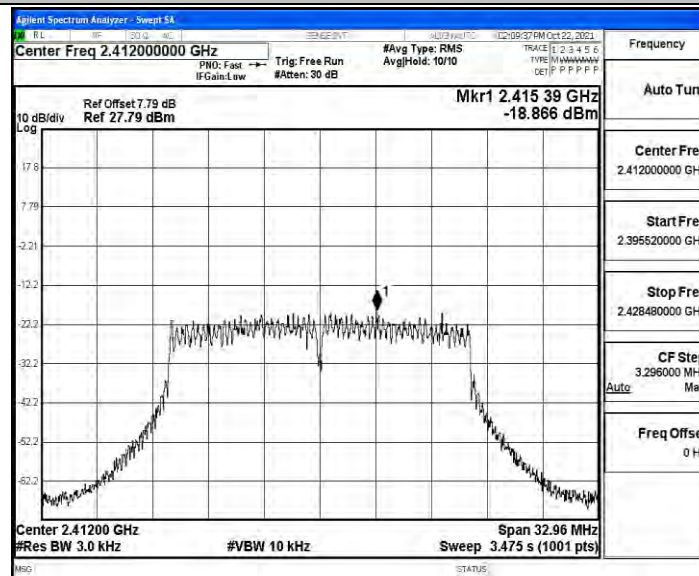




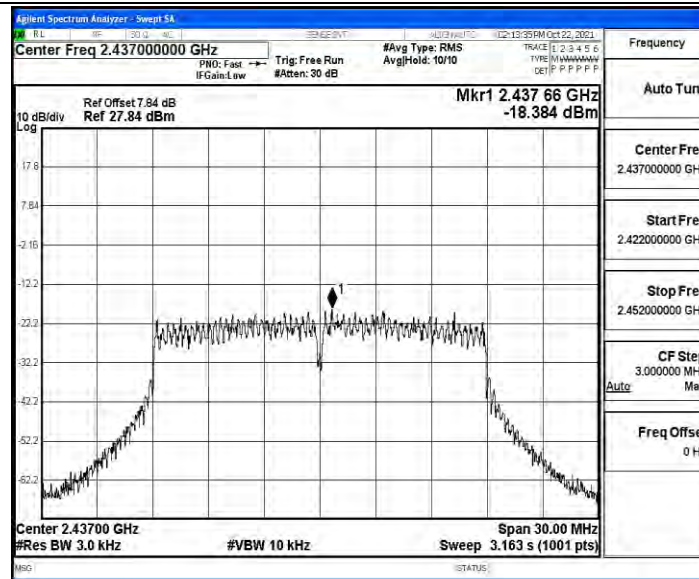
11G_Ant0_2462



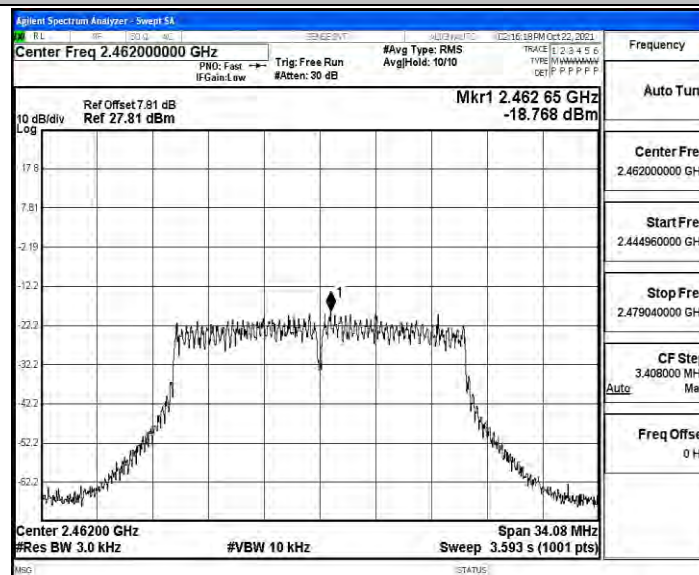
11N20SISO_Ant0_2412



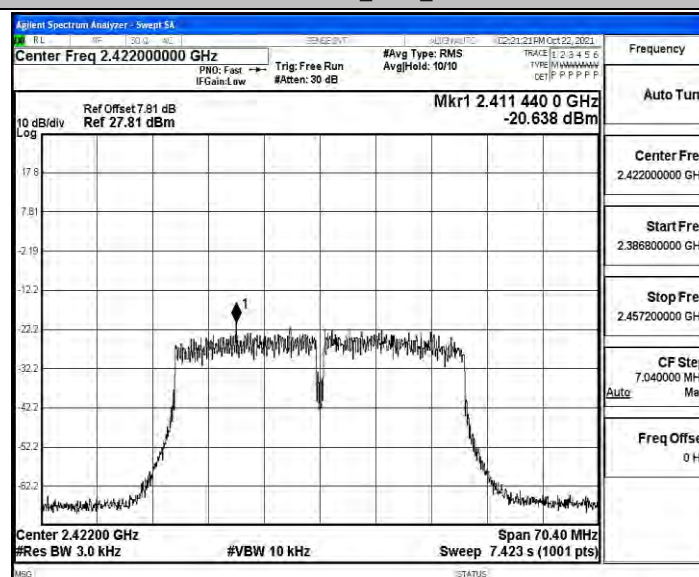
11N20SISO_Ant0_2437



11N20SISO_Ant0_2462

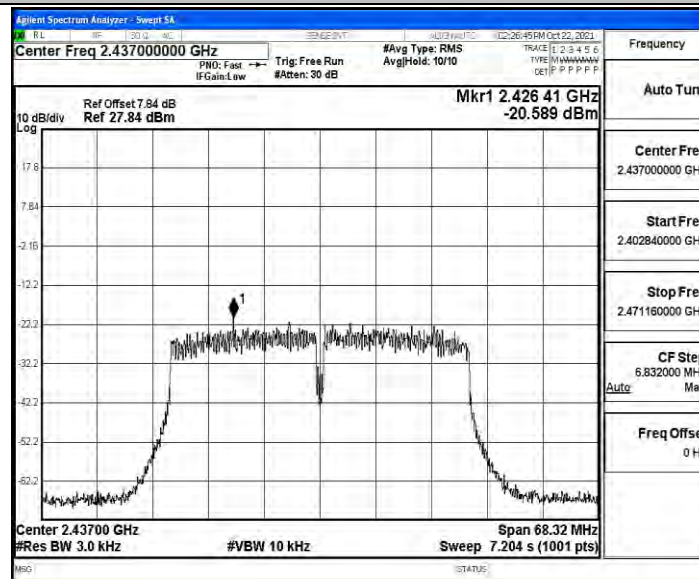


11N40SISO_Ant0_2422

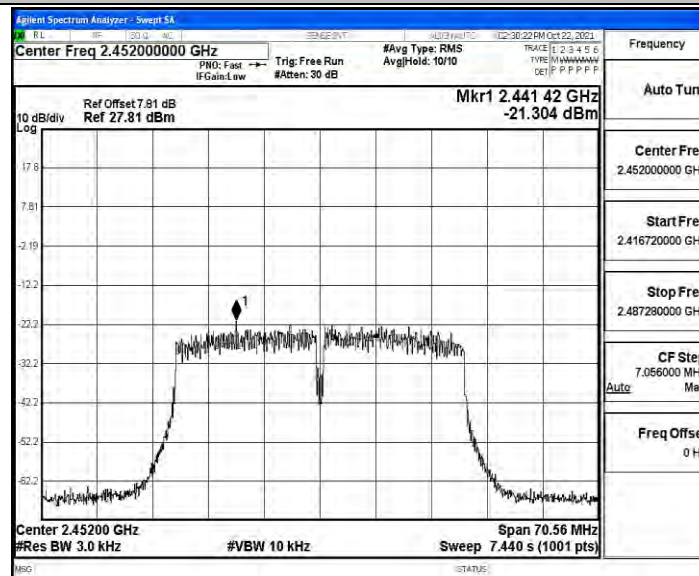




11N40SISO_Ant0_2437



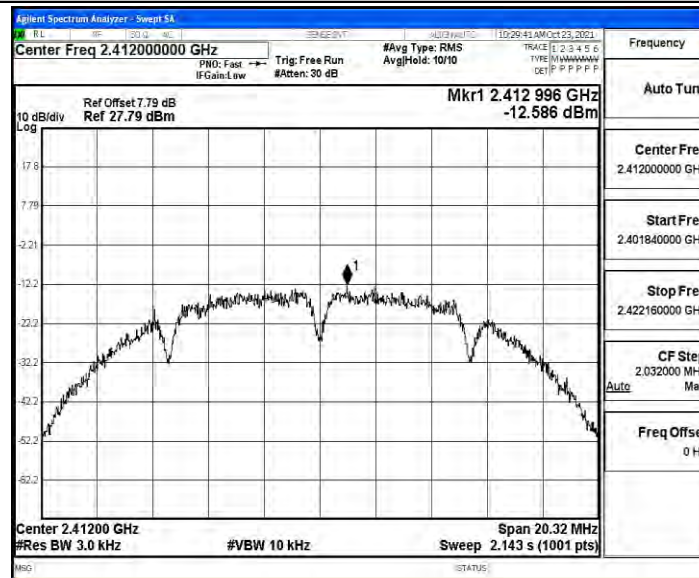
11N40SISO_Ant0_2452



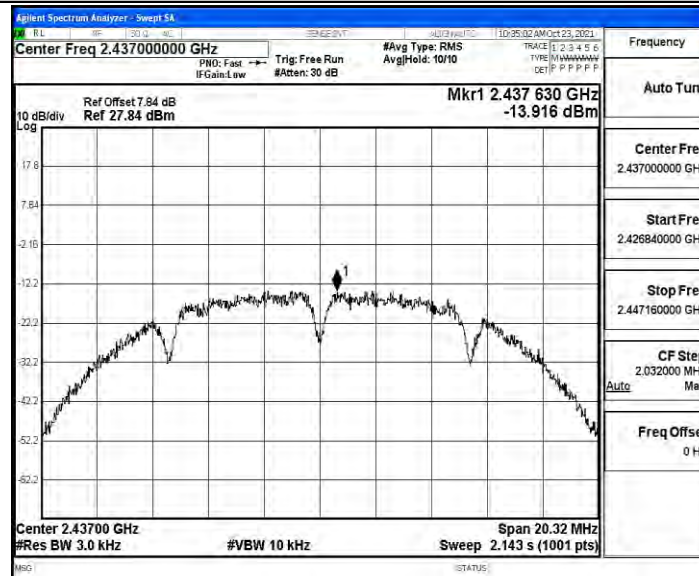


Test Graphs(ANT1)

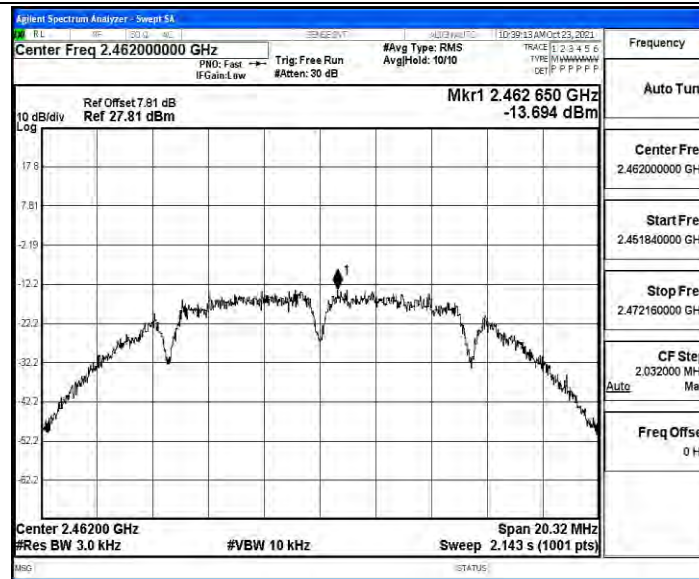
11B_Ant1_2412



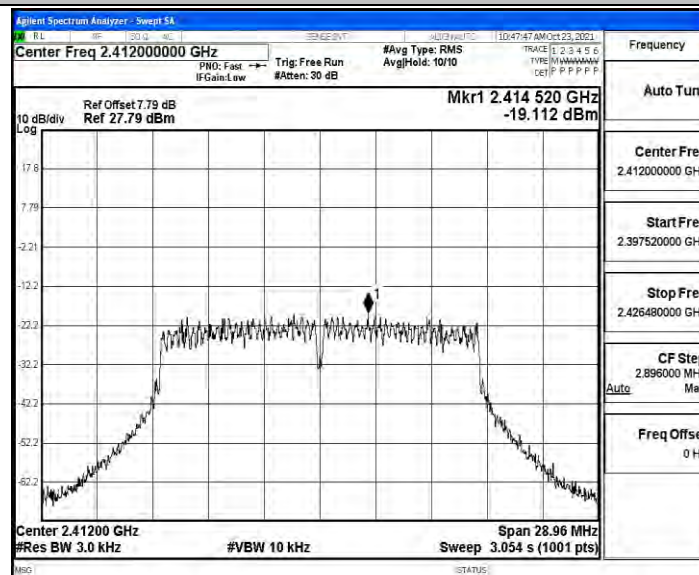
11B_Ant1_2437



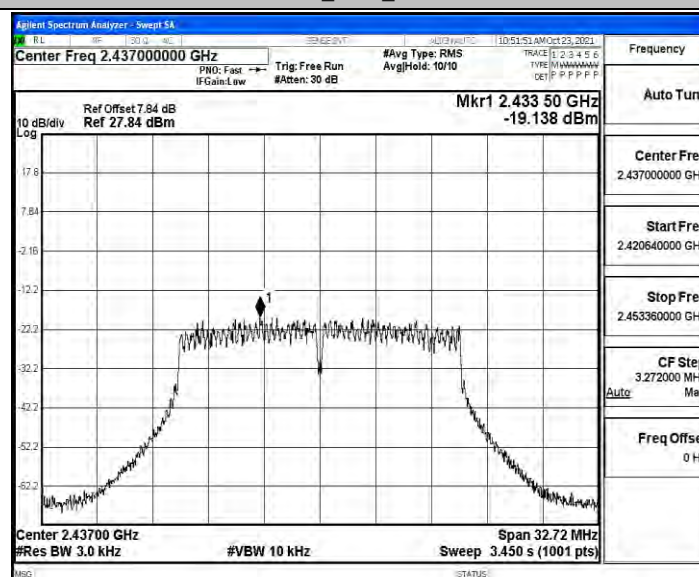
11B_Ant1_2462



11G_Ant1_2412

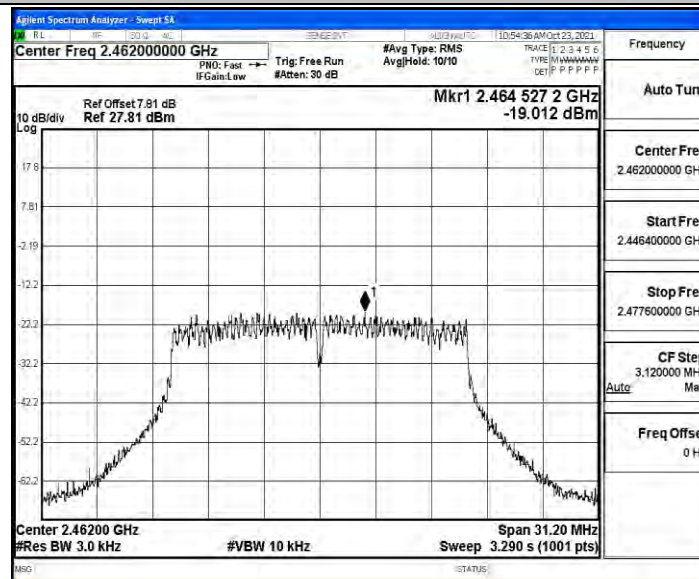


11G_Ant1_2437

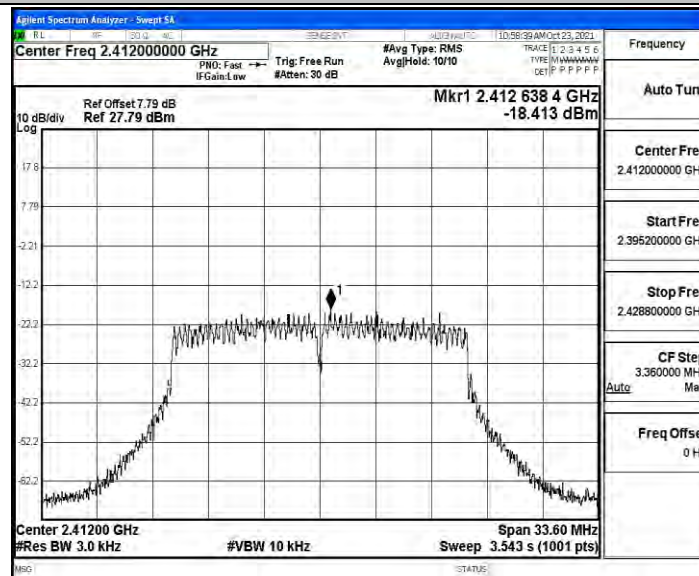




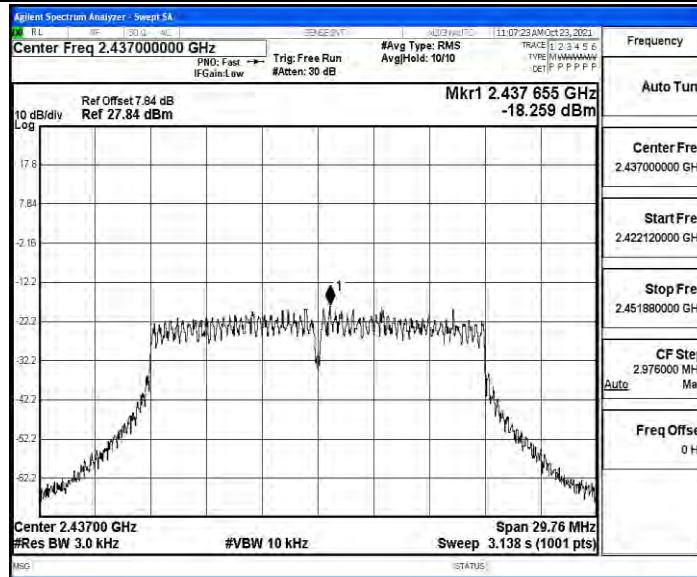
11G_Ant1_2462



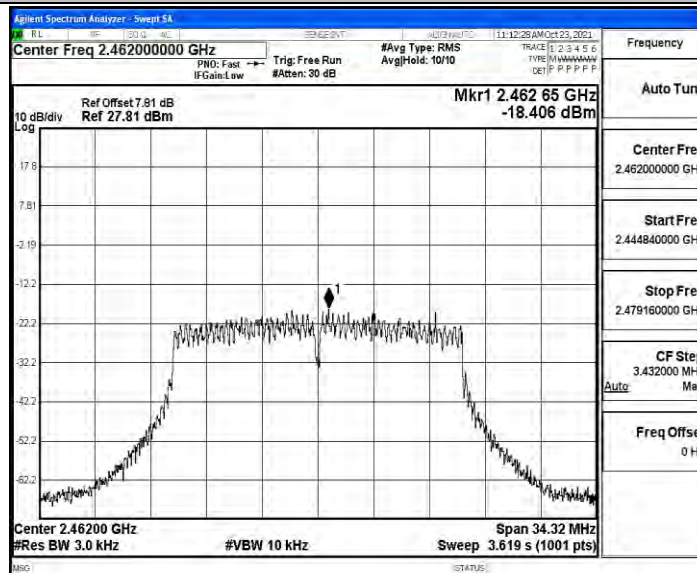
11N20SISO_Ant1_2412



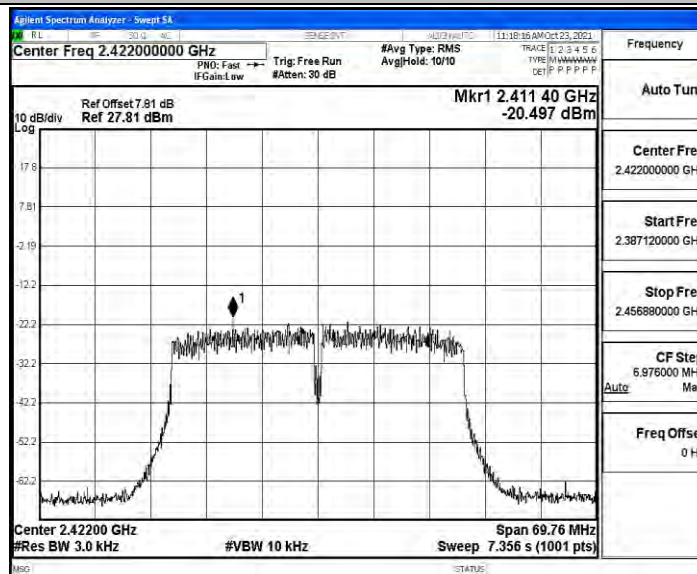
11N20SISO_Ant1_2437



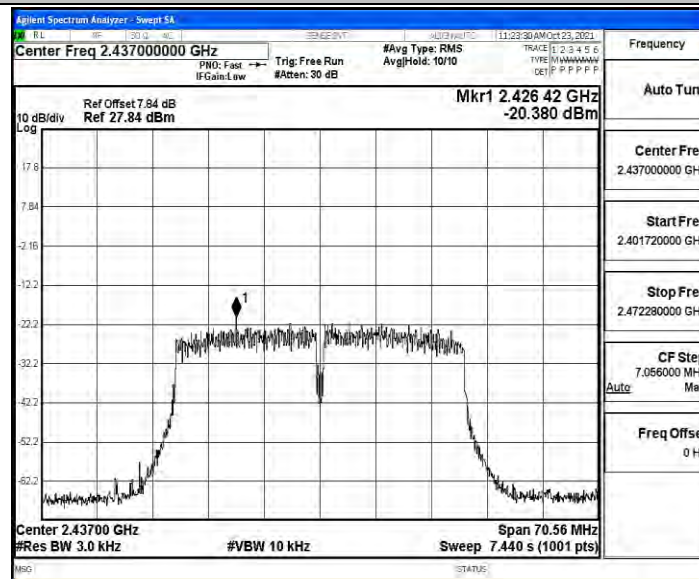
11N20SISO_Ant1_2462



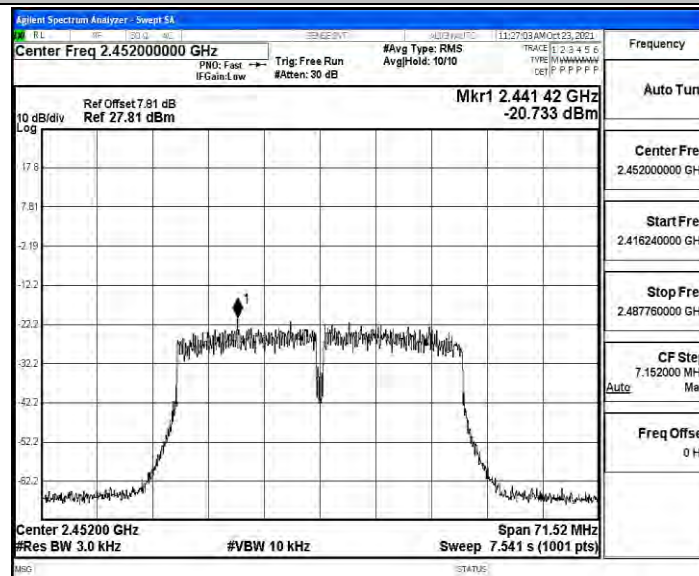
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





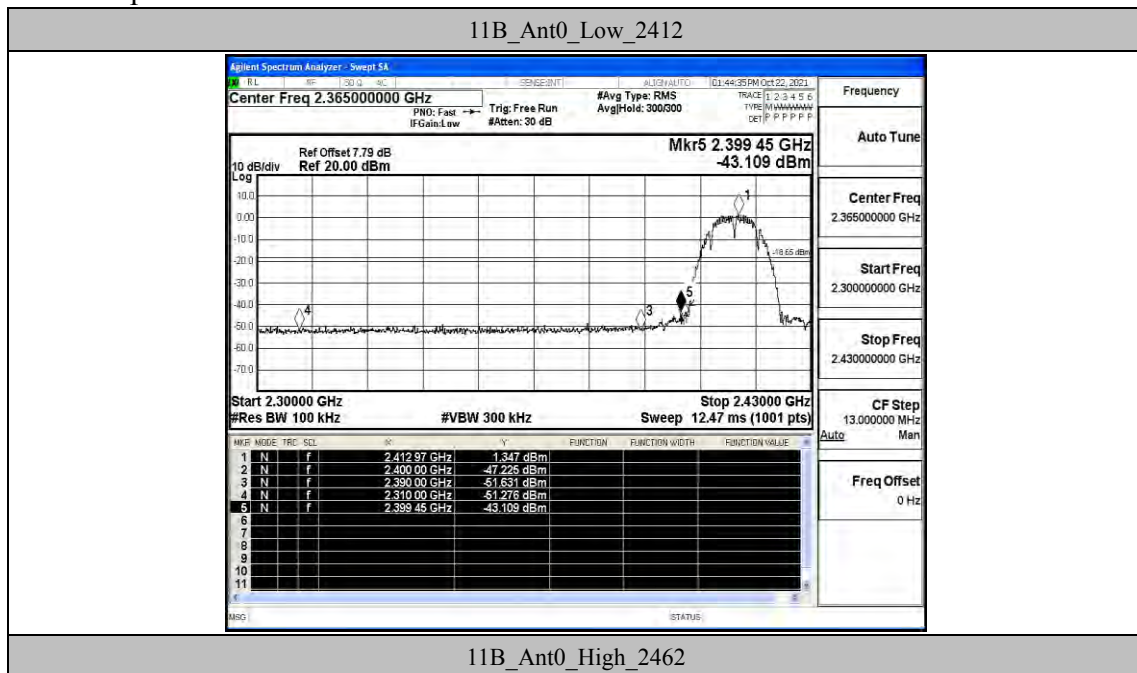
A.4 Band edge measurements

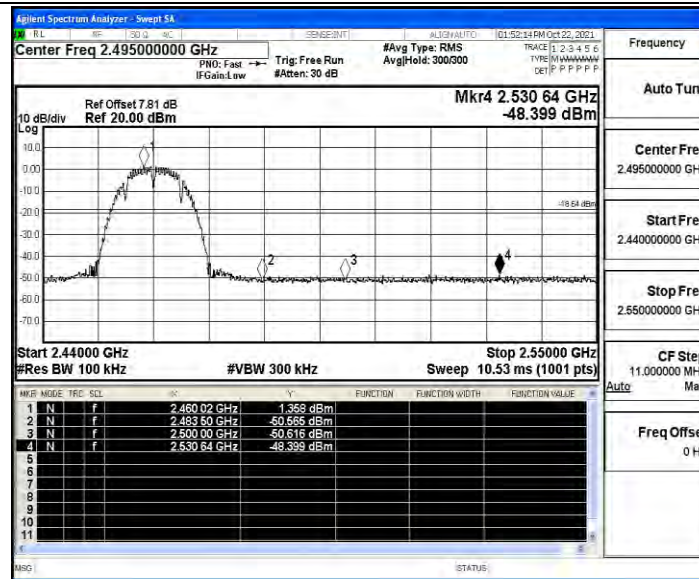
Test Result

ANT0

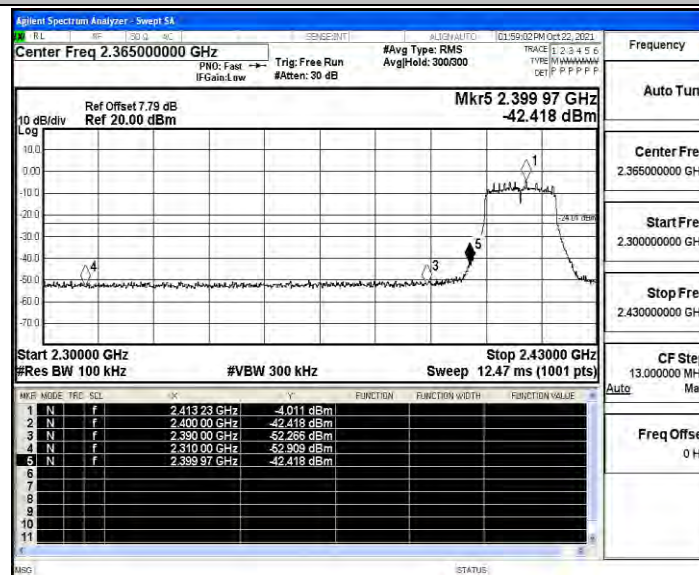
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	1.35	-43.11	≤-18.65	PASS
		High	2462	1.36	-48.4	≤-18.64	PASS
11G	Ant0	Low	2412	-4.01	-42.42	≤-24.01	PASS
		High	2462	-4.74	-48.99	≤-24.74	PASS
11N20SISO	Ant0	Low	2412	-4.04	-42.39	≤-24.04	PASS
		High	2462	-4.00	-48.41	≤-24	PASS
11N40SISO	Ant0	Low	2422	-7.06	-45.89	≤-27.06	PASS
		High	2452	-7.09	-48.61	≤-27.09	PASS

Test Graphs

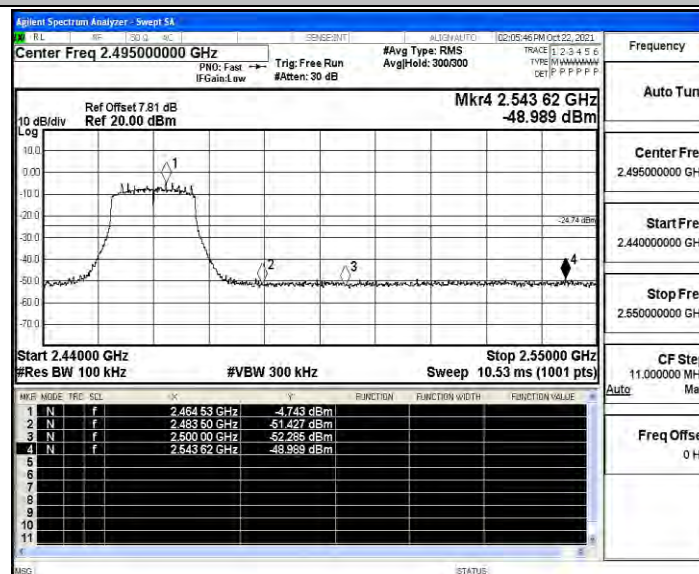




11G_Ant0_Low_2412

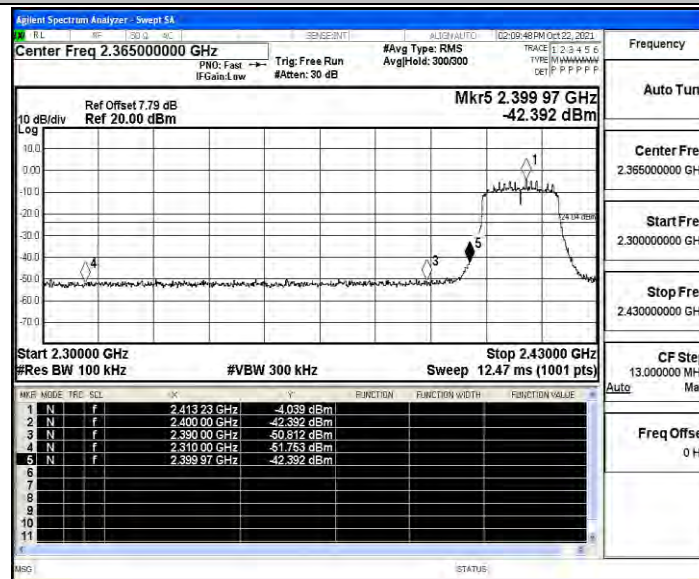


11G_Ant0_High_2462

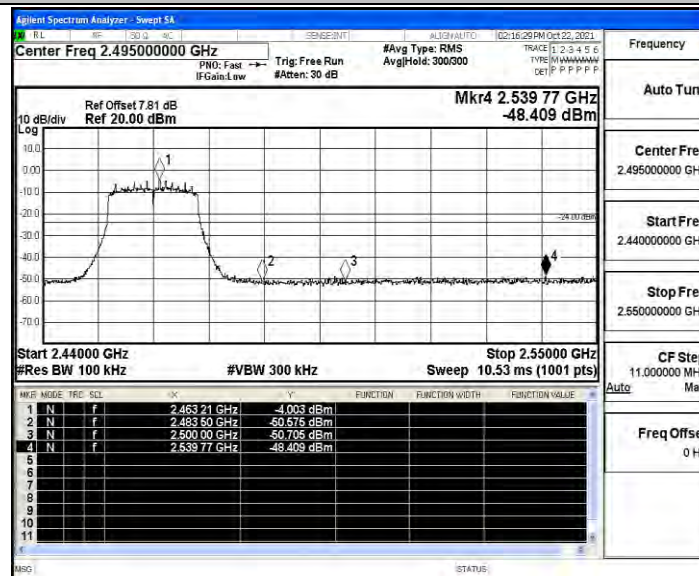




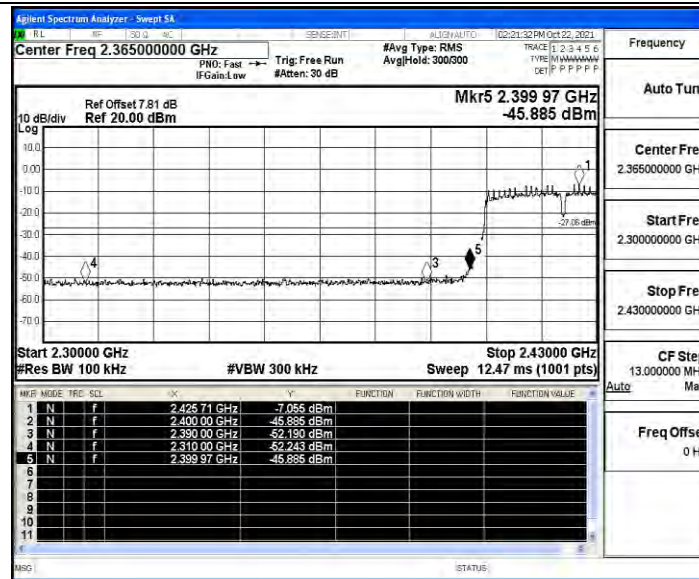
11N20SISO_Ant0_Low_2412



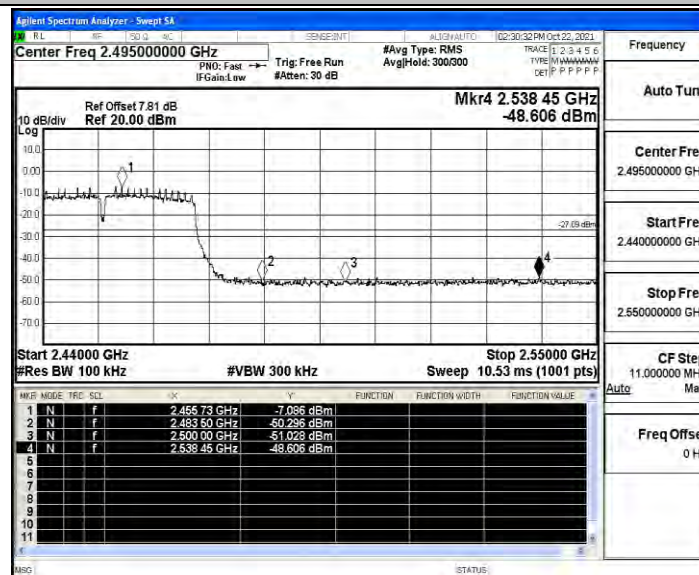
11N20SISO_Ant0_High_2462



11N40SISO_Ant0_Low_2422



11N40SISO_Ant0_High_2452

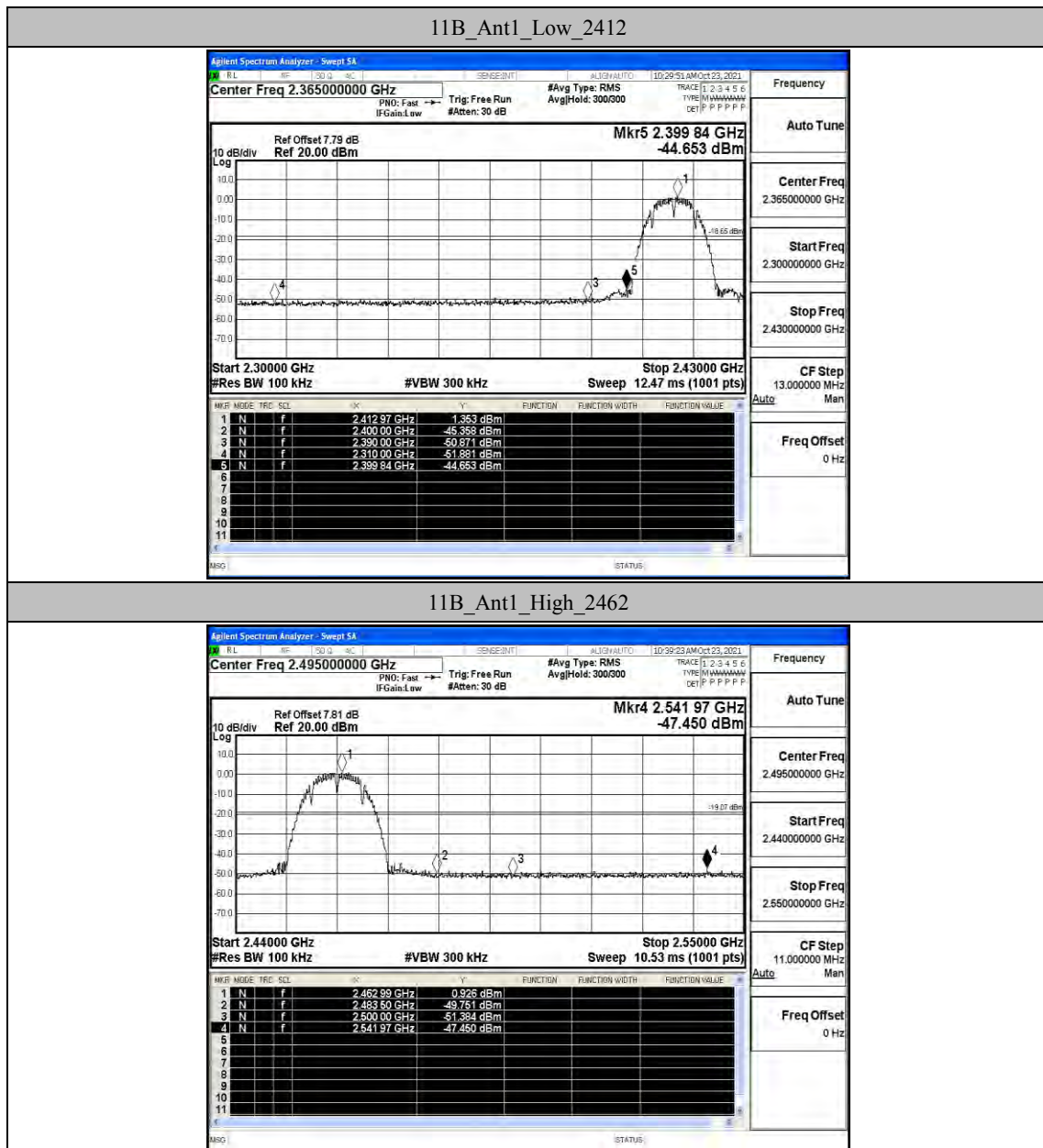




ANTI

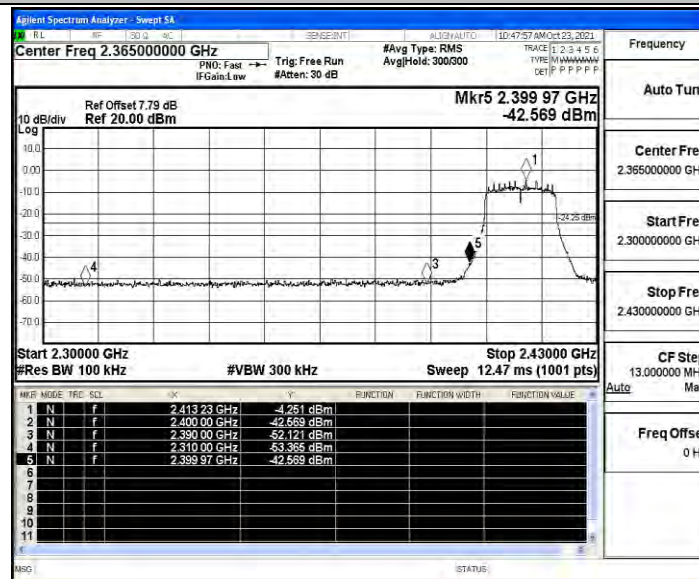
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.35	-44.65	≤-18.65	PASS
		High	2462	0.93	-47.45	≤-19.07	PASS
11G	Ant1	Low	2412	-4.25	-42.57	≤-24.25	PASS
		High	2462	-3.89	-48.63	≤-23.89	PASS
11N20SISO	Ant1	Low	2412	-4.06	-42.02	≤-24.06	PASS
		High	2462	-3.89	-48.96	≤-23.89	PASS
11N40SISO	Ant1	Low	2422	-6.77	-44.84	≤-26.77	PASS
		High	2452	-7.24	-48.6	≤-27.24	PASS

Test Graphs

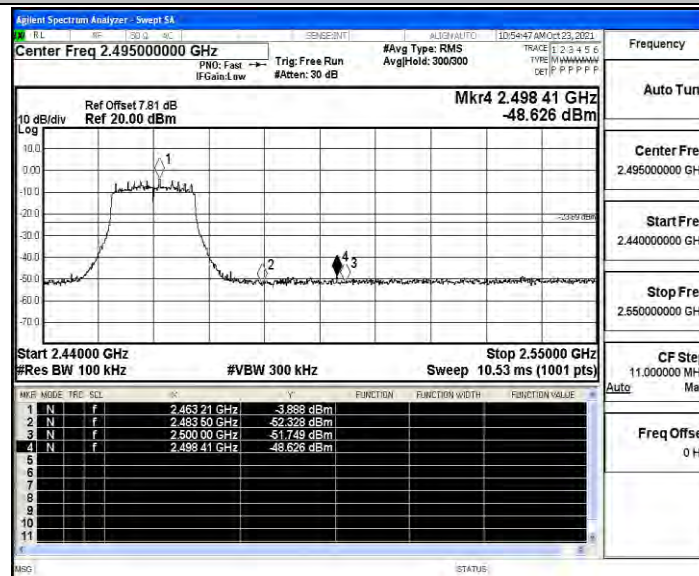




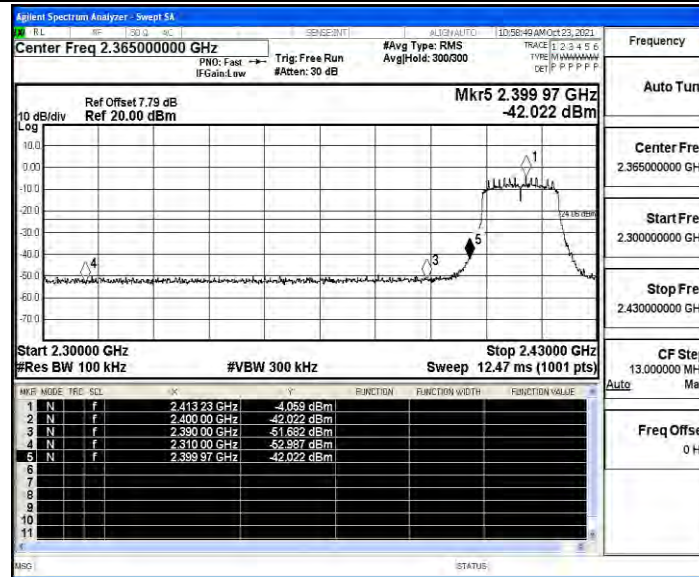
11G_Ant1_Low_2412



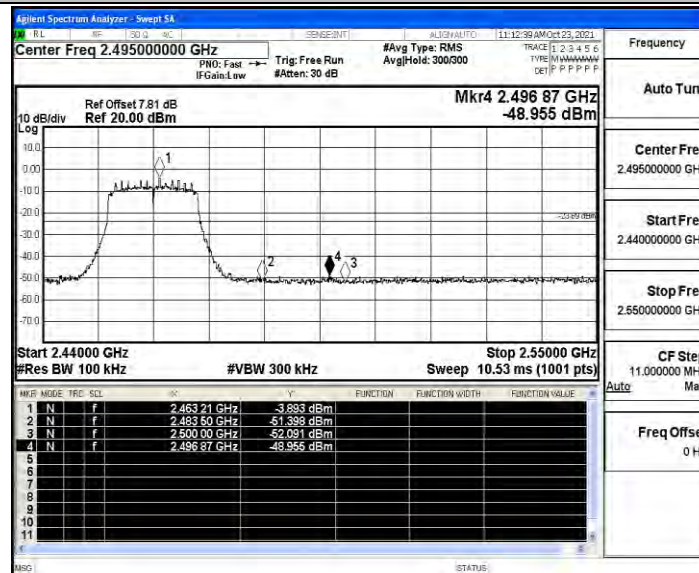
11G_Ant1_High_2462



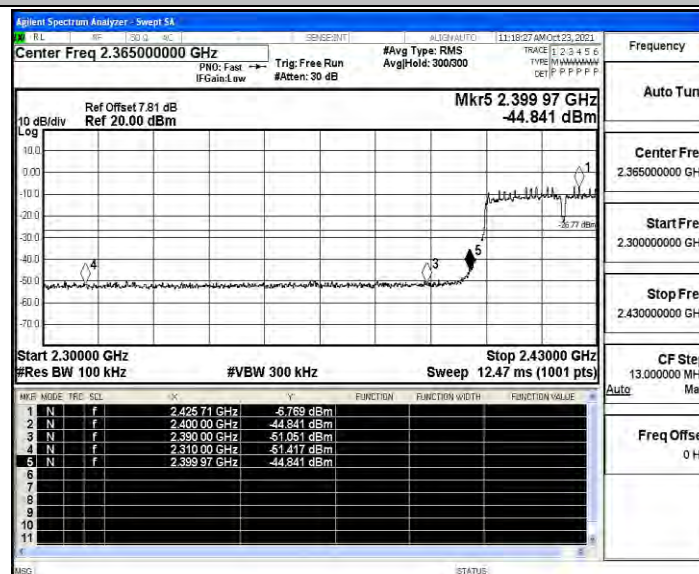
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462

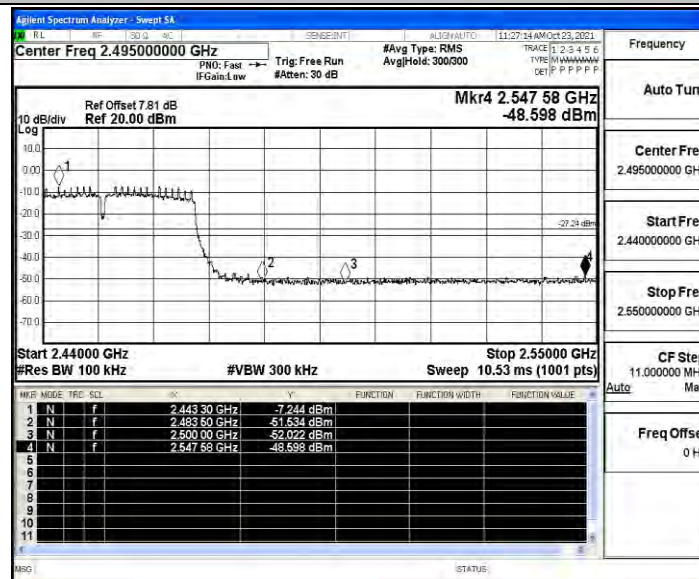


11N40SISO_Ant1_Low_2422





11N40SISO_Ant1_High_2452





A.5 Conducted Spurious Emission

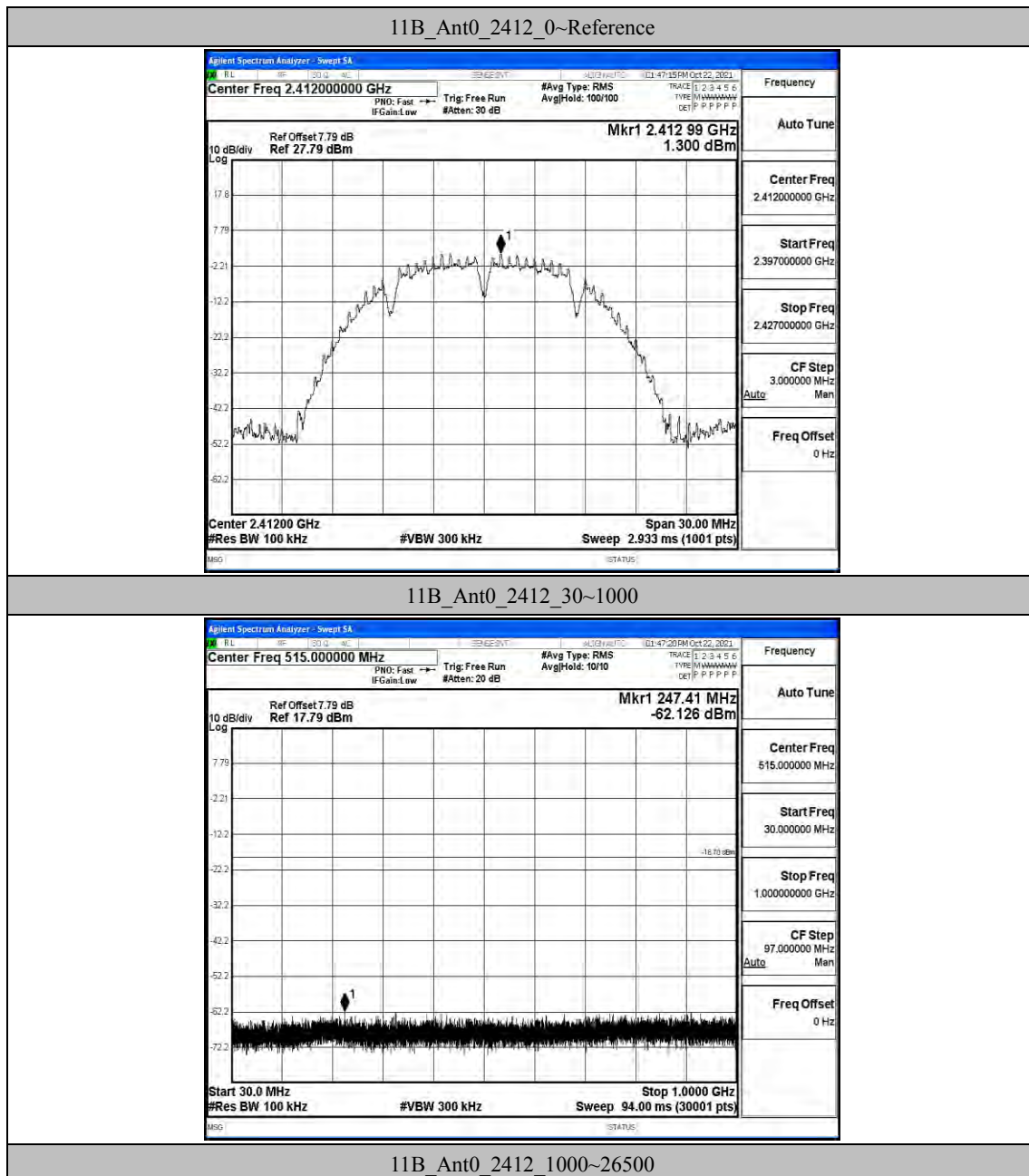
Test Result

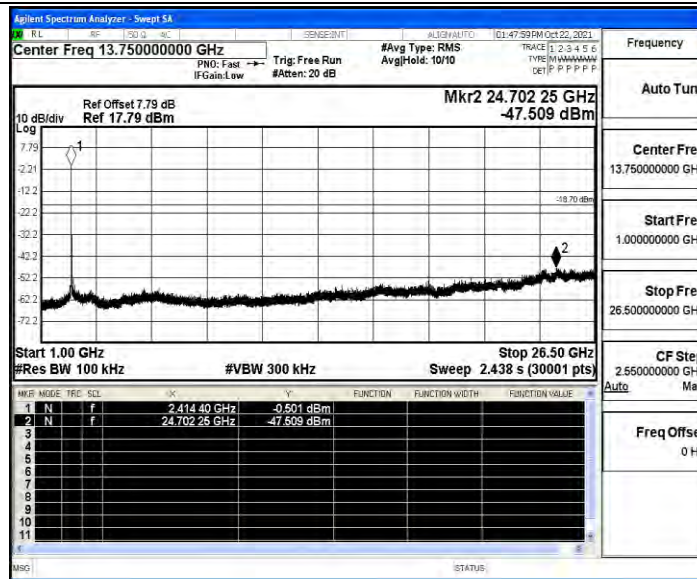
ANT0

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	1.30	1.30	---	PASS
			30~1000	1.30	-62.13	≤ -18.7	PASS
			1000~26500	1.30	-47.51	≤ -18.7	PASS
		2437	Reference	1.47	1.47	---	PASS
			30~1000	1.47	-61.56	≤ -18.53	PASS
			1000~26500	1.47	-47.46	≤ -18.53	PASS
		2462	Reference	1.40	1.40	---	PASS
			30~1000	1.40	-61.68	≤ -18.6	PASS
			1000~26500	1.40	-45.83	≤ -18.6	PASS
11G	Ant0	2412	Reference	-6.62	-6.62	---	PASS
			30~1000	-6.62	-61.64	≤ -26.62	PASS
			1000~26500	-6.62	-48.26	≤ -26.62	PASS
		2437	Reference	-3.89	-3.89	---	PASS
			30~1000	-3.89	-61.28	≤ -23.89	PASS
			1000~26500	-3.89	-47.57	≤ -23.89	PASS
		2462	Reference	-5.14	-5.14	---	PASS
			30~1000	-5.14	-60.92	≤ -25.14	PASS
			1000~26500	-5.14	-47.11	≤ -25.14	PASS
11N20SISO	Ant0	2412	Reference	-4.77	-4.77	---	PASS
			30~1000	-4.77	-61.54	≤ -24.77	PASS
			1000~26500	-4.77	-47.74	≤ -24.77	PASS
		2437	Reference	-4.78	-4.78	---	PASS
			30~1000	-4.78	-61.46	≤ -24.78	PASS
			1000~26500	-4.78	-47.63	≤ -24.78	PASS
		2462	Reference	-4.46	-4.46	---	PASS
			30~1000	-4.46	-61.37	≤ -24.46	PASS
			1000~26500	-4.46	-47.4	≤ -24.46	PASS
11N40SISO	Ant0	2422	Reference	-7.13	-7.13	---	PASS
			30~1000	-7.13	-61.92	≤ -27.13	PASS
			1000~26500	-7.13	-47	≤ -27.13	PASS
		2437	Reference	-7.13	-7.13	---	PASS
			30~1000	-7.13	-61.53	≤ -27.13	PASS
			1000~26500	-7.13	-46.8	≤ -27.13	PASS
		2452	Reference	-7.15	-7.15	---	PASS
			30~1000	-7.15	-61.69	≤ -27.15	PASS
			1000~26500	-7.15	-46.99	≤ -27.15	PASS

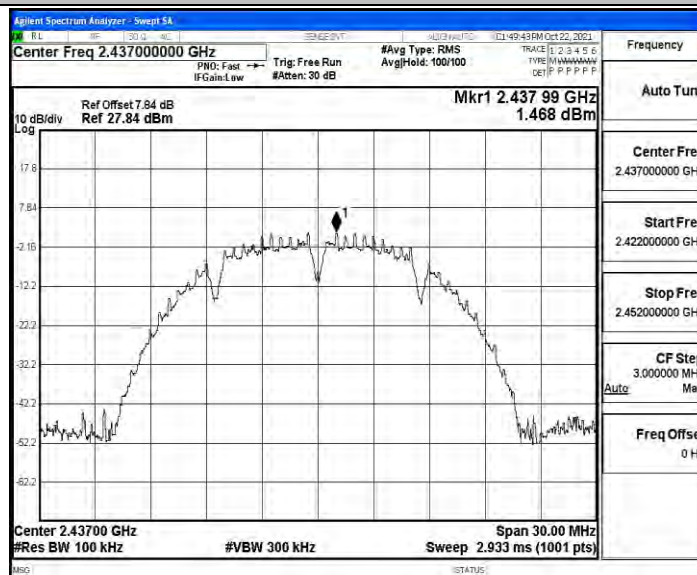


Test Graphs

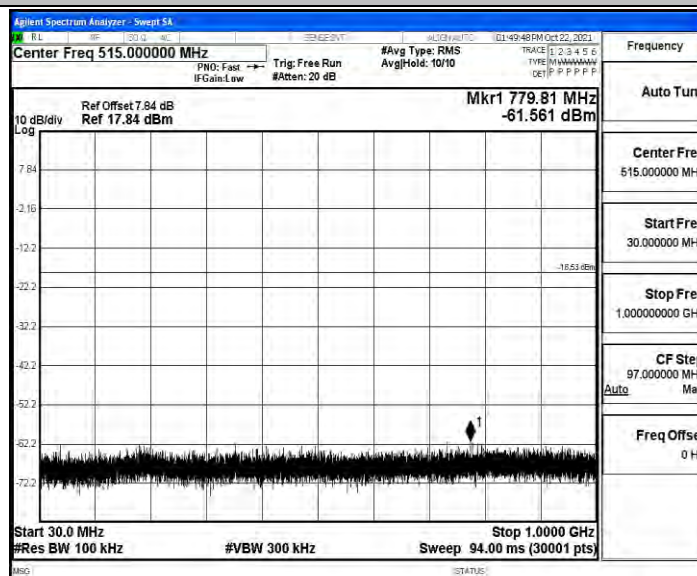




11B_Ant0_2437_0~Reference

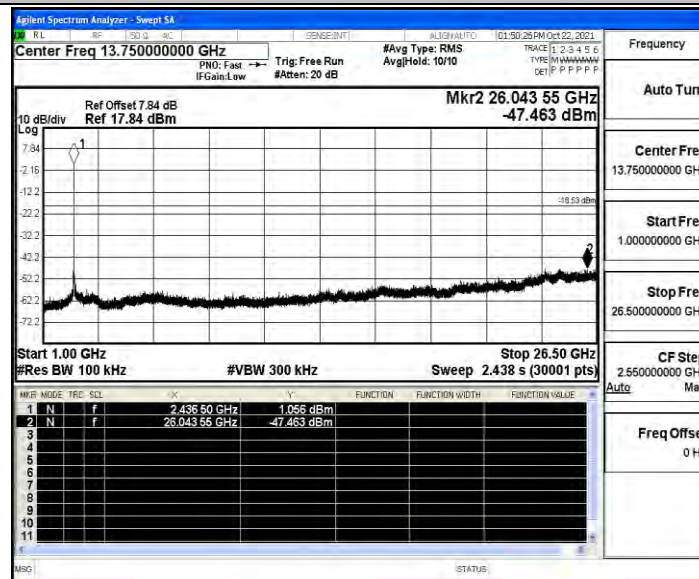


11B_Ant0_2437_30~1000

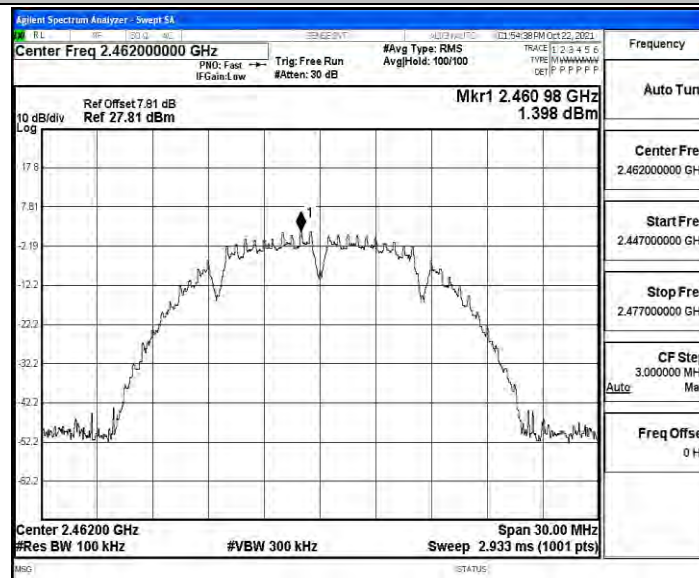




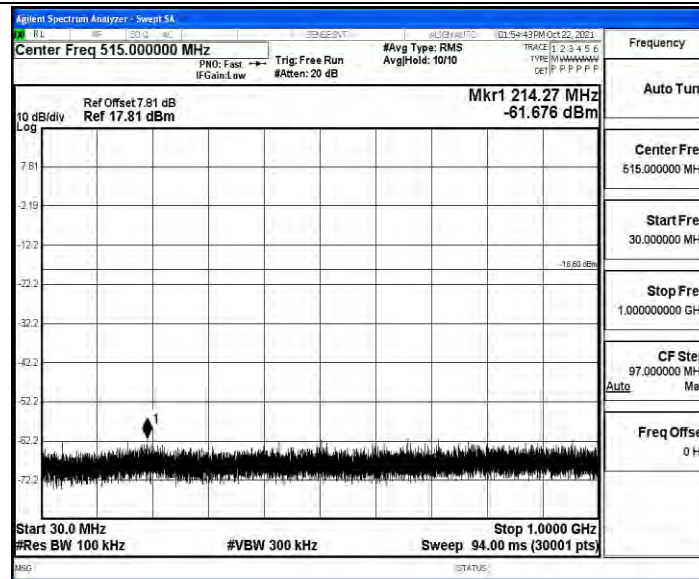
11B_Ant0_2437_1000~26500



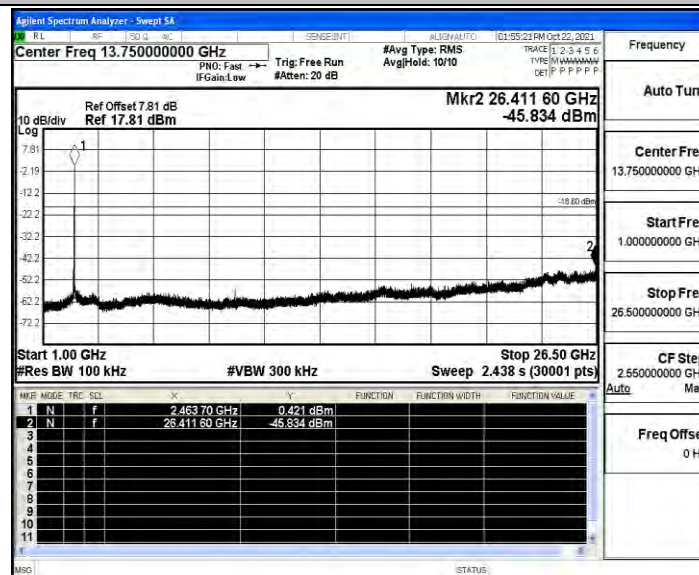
11B_Ant0_2462_0~Reference



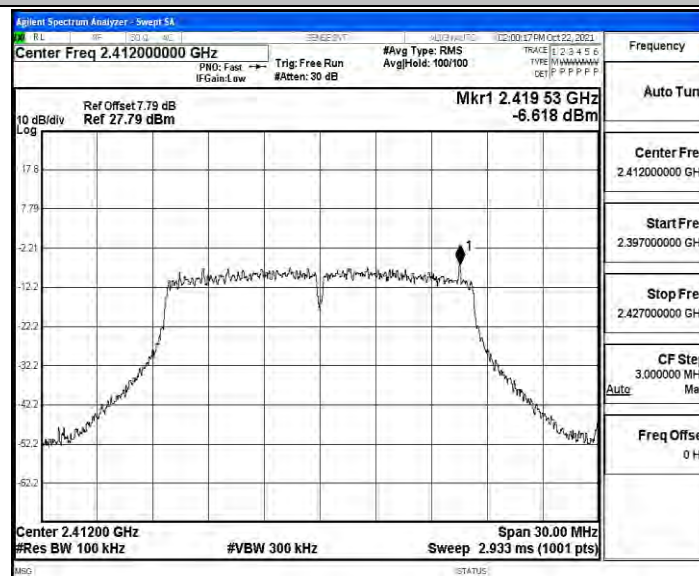
11B_Ant0_2462_30~1000



11B_Ant0_2462_1000~26500

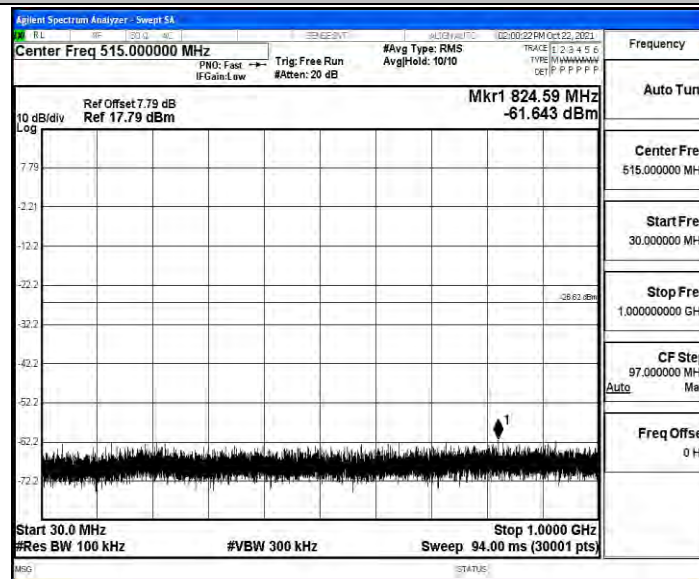


11G_Ant0_2412_0~Reference

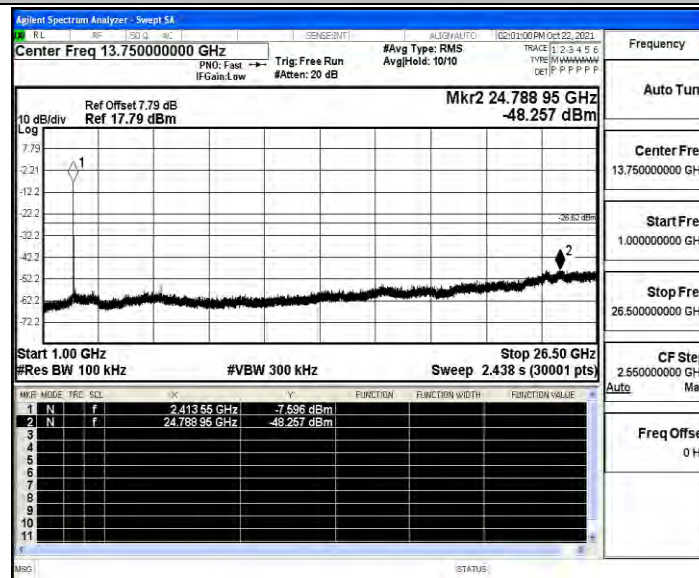




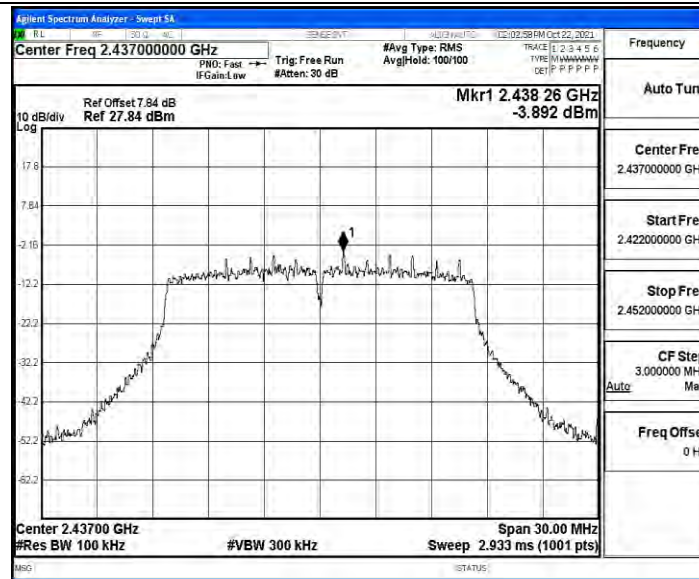
11G_Ant0_2412_30~1000



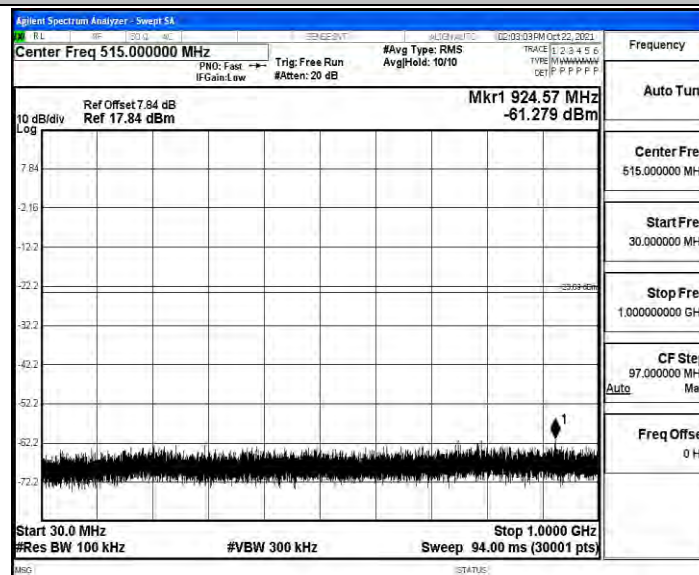
11G_Ant0_2412_1000~26500



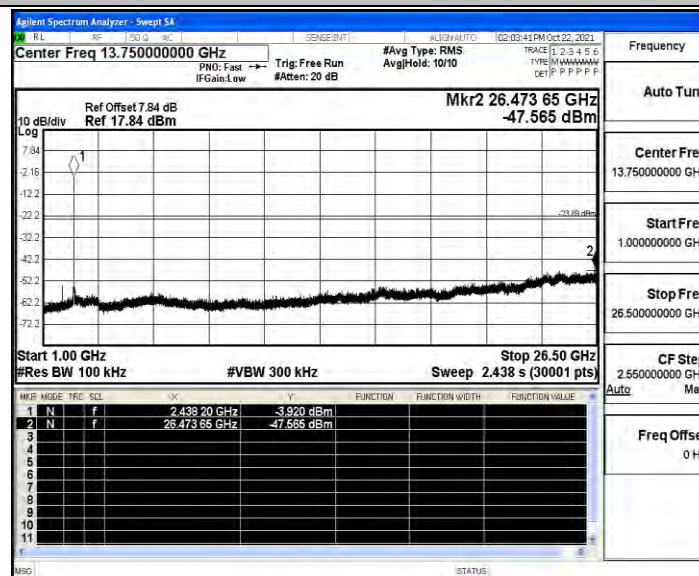
11G_Ant0_2437_0~Reference



11G_Ant0_2437_30~1000

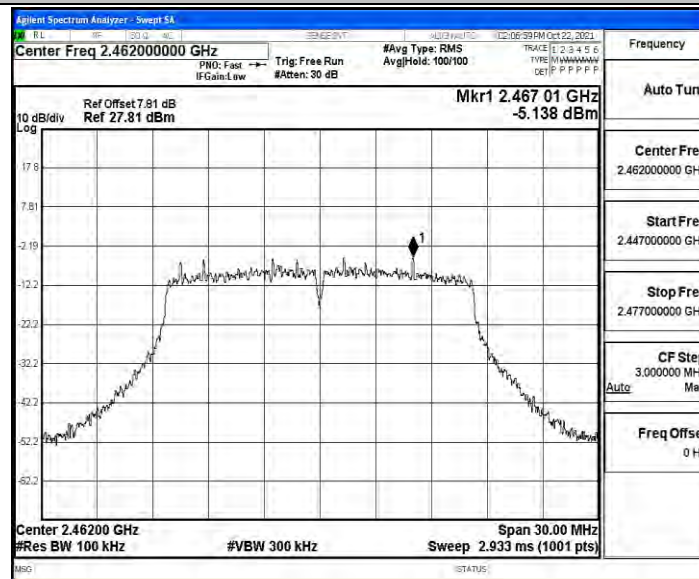


11G_Ant0_2437_1000~26500

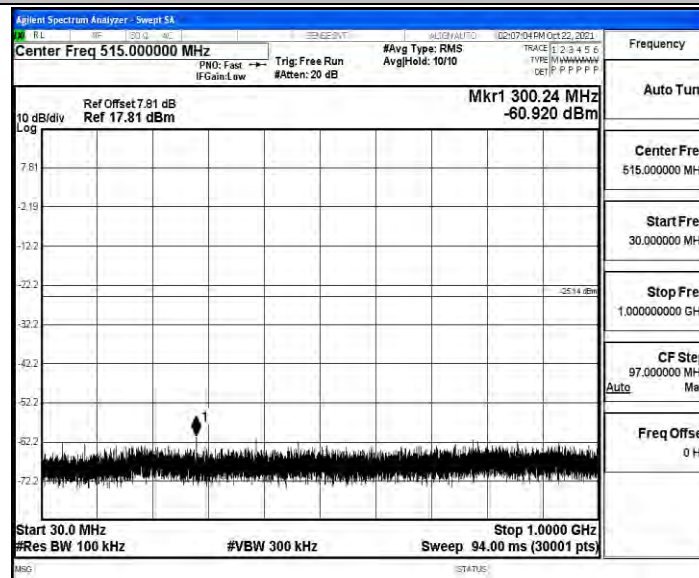




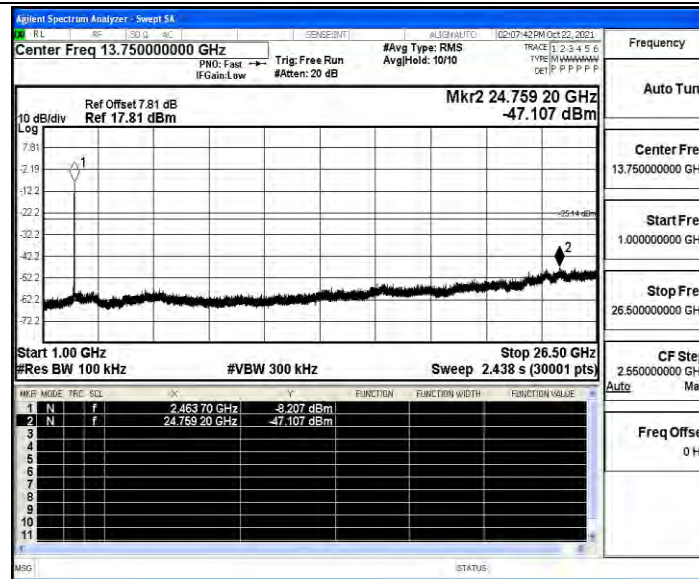
11G_Ant0_2462_0~Reference



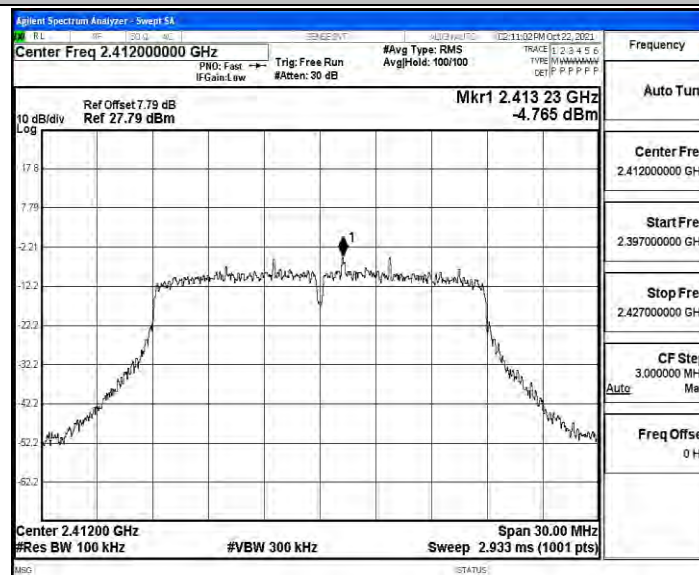
11G_Ant0_2462_30~1000



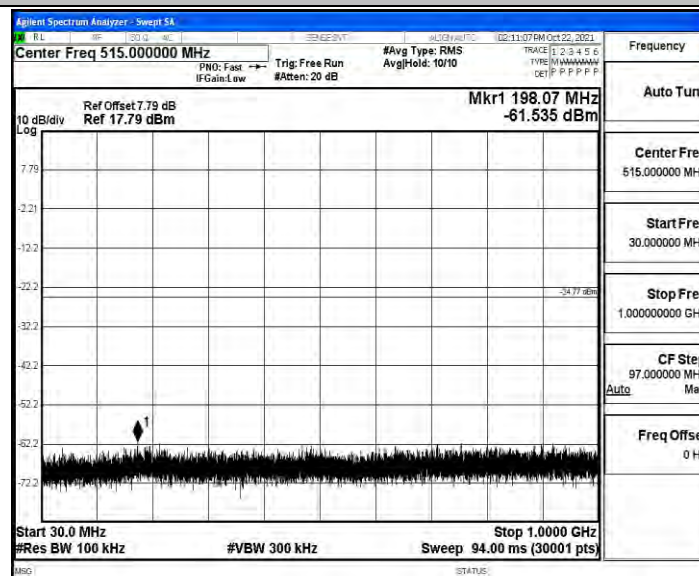
11G_Ant0_2462_1000~26500



11N20SISO_Ant0_2412_0~Reference

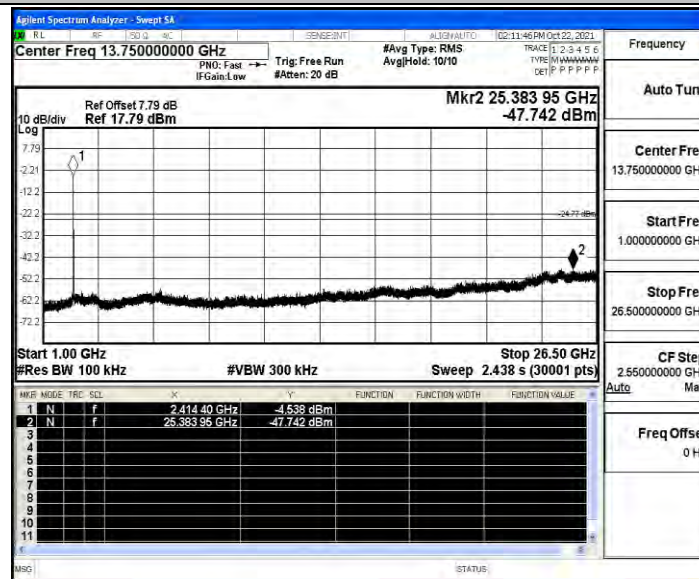


11N20SISO_Ant0_2412_30~1000

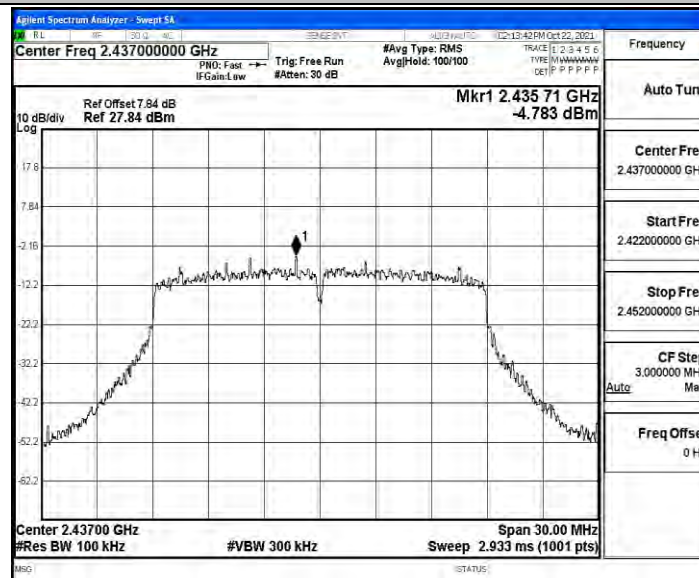




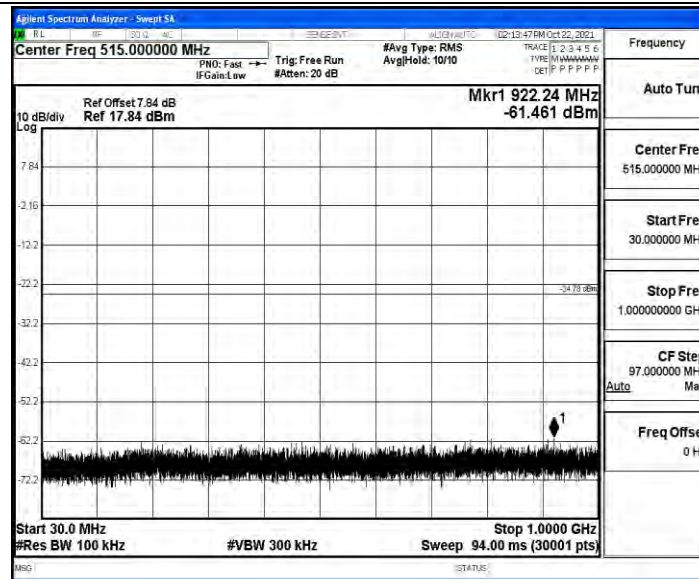
11N20SISO_Ant0_2412_1000~26500



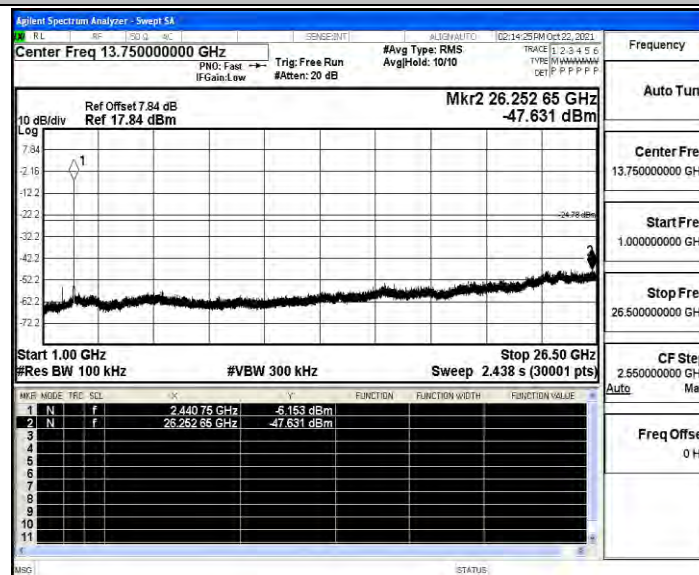
11N20SISO_Ant0_2437_0~Reference



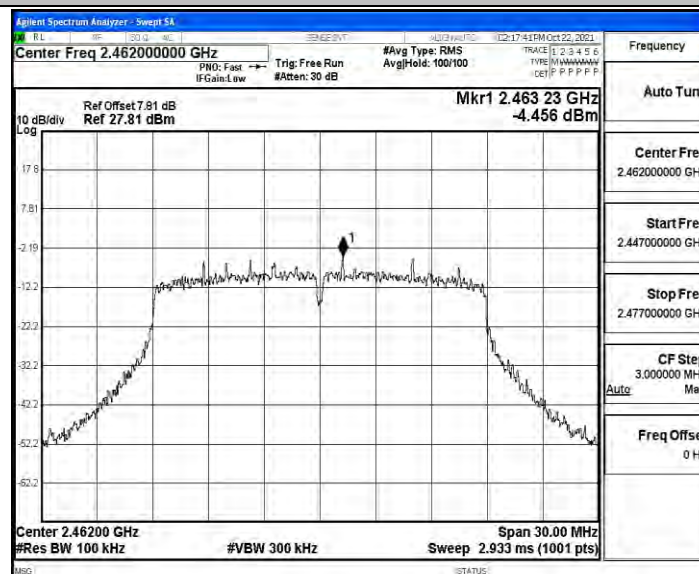
11N20SISO_Ant0_2437_30~1000



11N20SISO_Ant0_2437_1000~26500

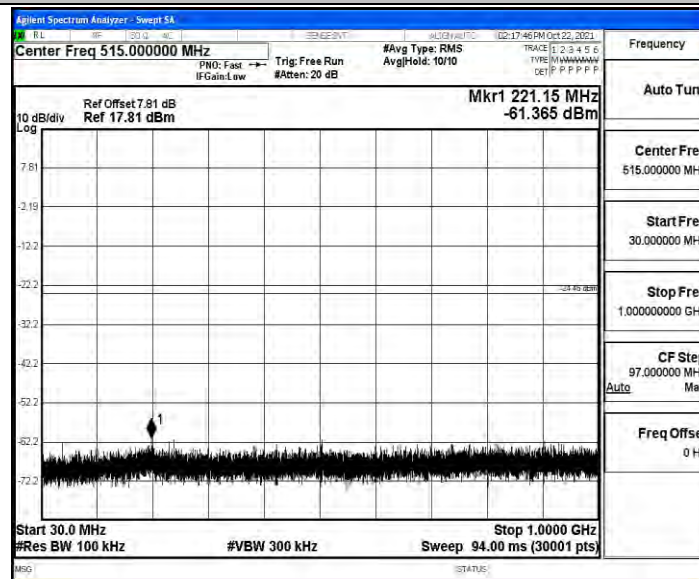


11N20SISO_Ant0_2462_0~Reference

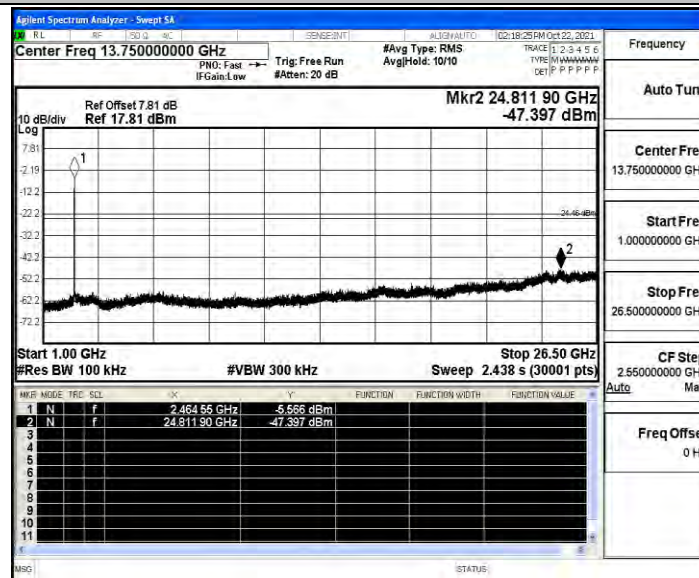




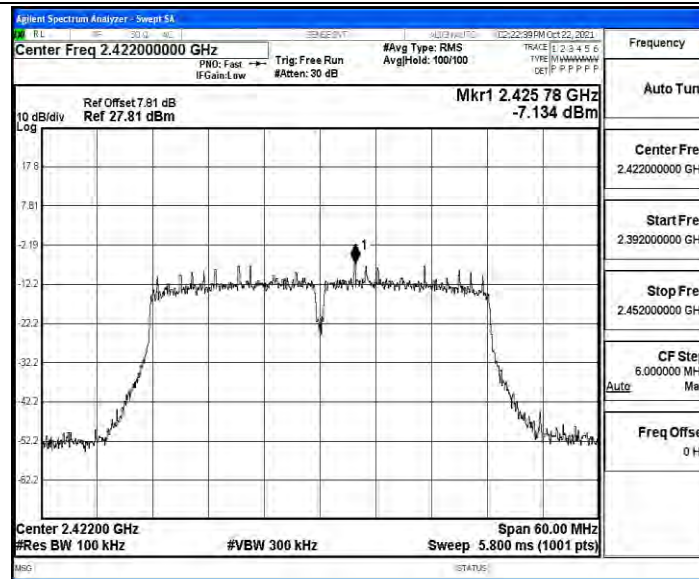
11N20SISO_Ant0_2462_30~1000



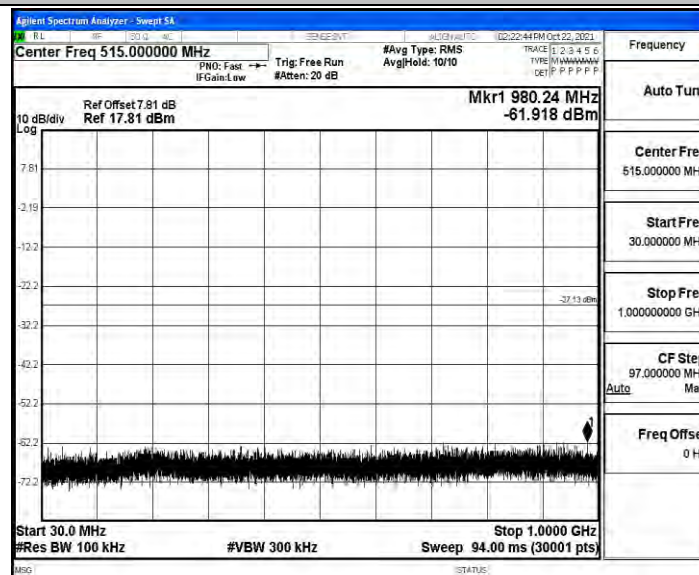
11N20SISO_Ant0_2462_1000~26500



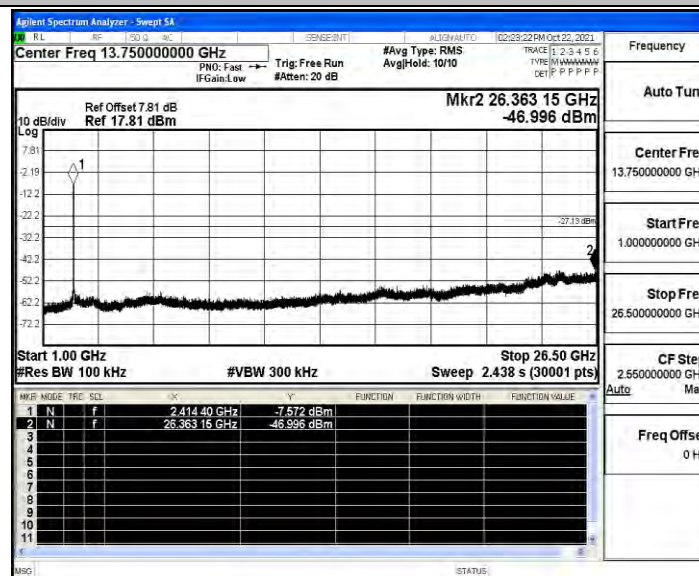
11N40SISO_Ant0_2422_0~Reference



11N40SISO_Ant0_2422_30~1000

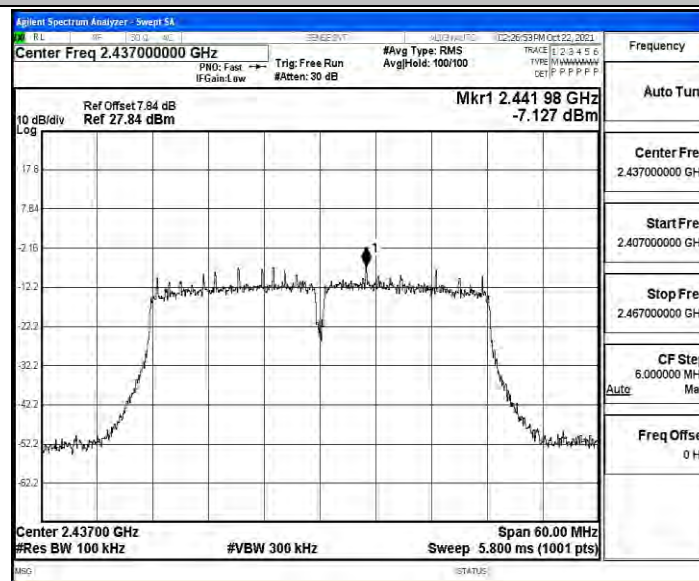


11N40SISO_Ant0_2422_1000~26500

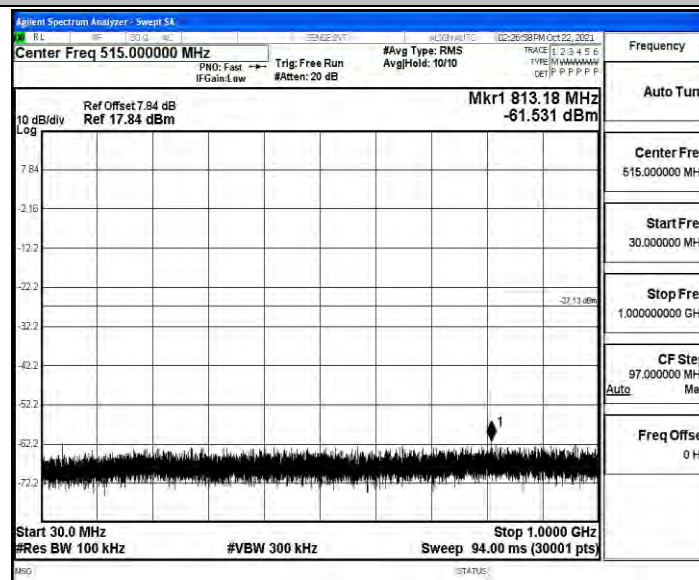




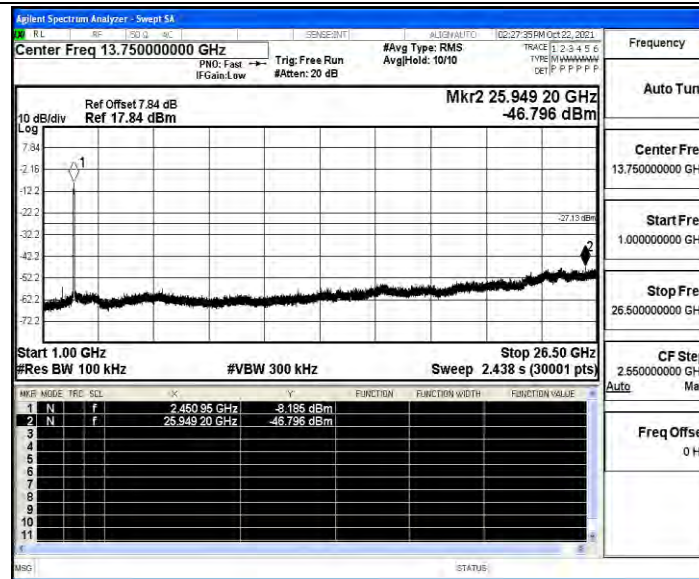
11N40SISO_Ant0_2437_0~Reference



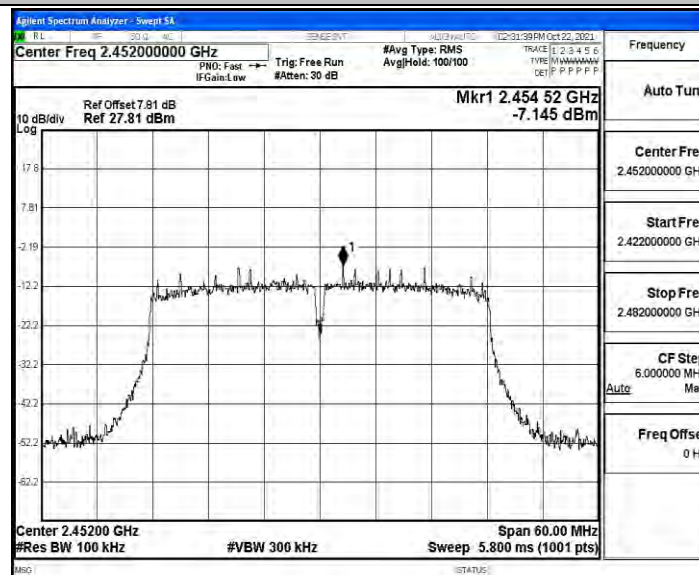
11N40SISO_Ant0_2437_30~1000



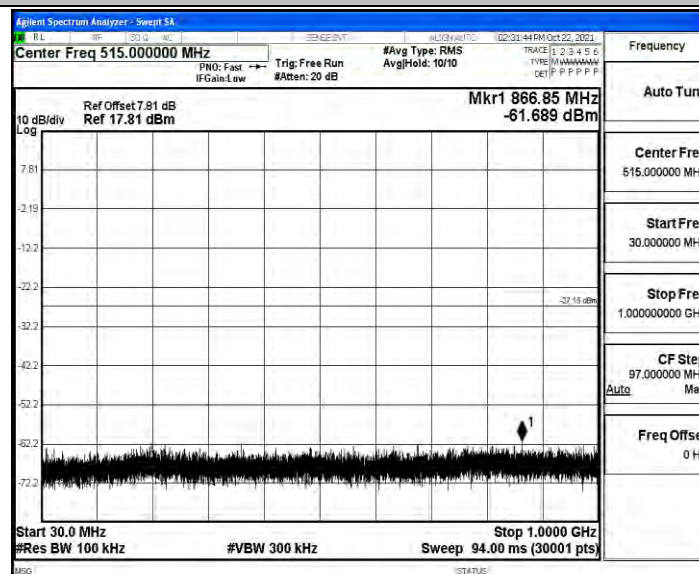
11N40SISO_Ant0_2437_1000~26500

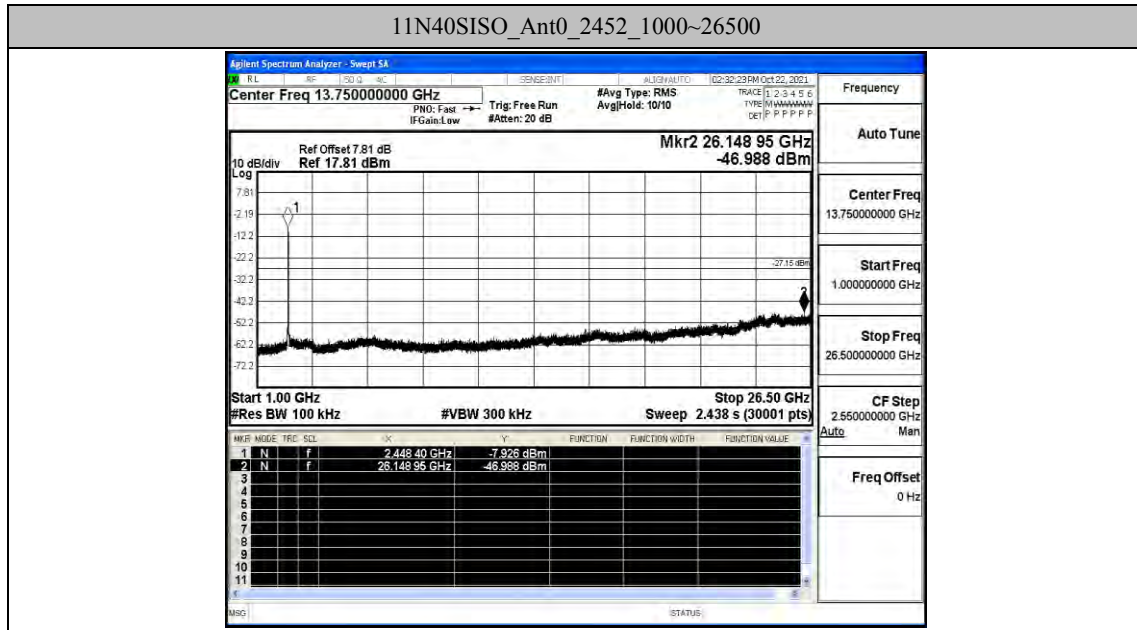


11N40SISO_Ant0_2452_0~Reference



11N40SISO_Ant0_2452_30~1000





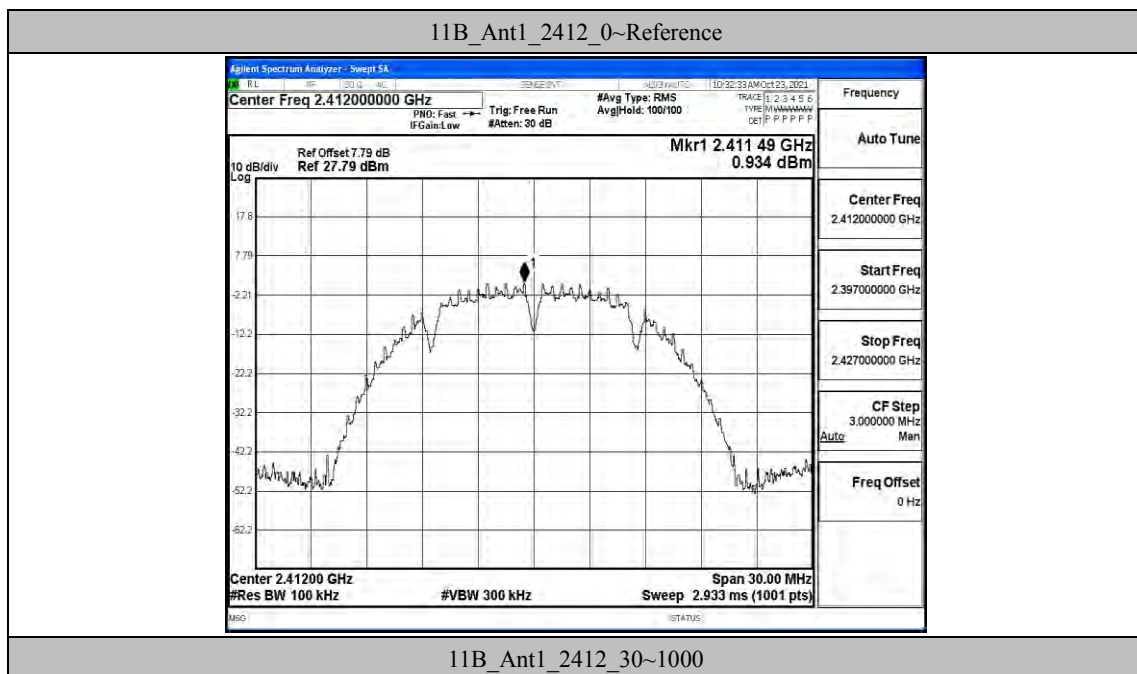
ANT1

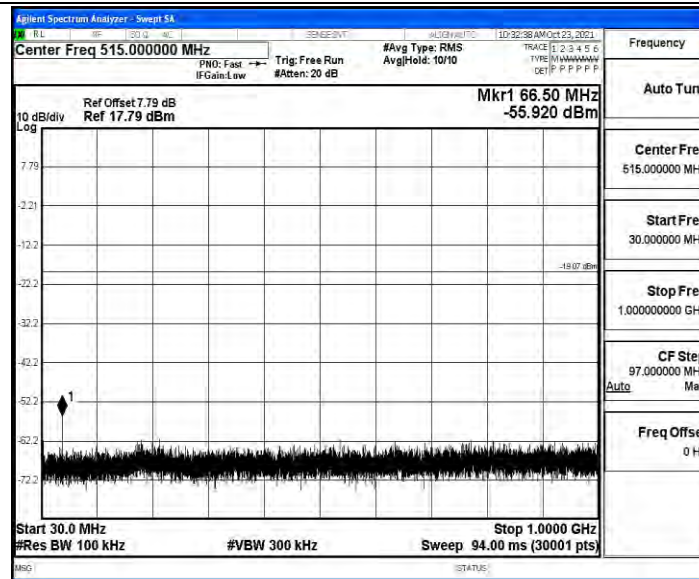
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.93	0.93	---	PASS
			30~1000	0.93	-55.92	≤-19.07	PASS
			1000~26500	0.93	-46.26	≤-19.07	PASS
		2437	Reference	0.58	0.58	---	PASS
			30~1000	0.58	-56.13	≤-19.42	PASS
			1000~26500	0.58	-46.45	≤-19.42	PASS
		2462	Reference	0.95	0.95	---	PASS
			30~1000	0.95	-47.88	≤-19.05	PASS
			1000~26500	0.95	-46.94	≤-19.05	PASS
11G	Ant1	2412	Reference	-4.72	-4.72	---	PASS
			30~1000	-4.72	-45.37	≤-24.72	PASS
			1000~26500	-4.72	-47.59	≤-24.72	PASS
		2437	Reference	-5.09	-5.09	---	PASS
			30~1000	-5.09	-55.82	≤-25.09	PASS
			1000~26500	-5.09	-47.66	≤-25.09	PASS
		2462	Reference	-5.32	-5.32	---	PASS
			30~1000	-5.32	-55.82	≤-25.32	PASS
			1000~26500	-5.32	-47.18	≤-25.32	PASS
11N20SISO	Ant1	2412	Reference	-5.41	-5.41	---	PASS
			30~1000	-5.41	-54.23	≤-25.41	PASS
			1000~26500	-5.41	-47.25	≤-25.41	PASS
		2437	Reference	-4.71	-4.71	---	PASS
			30~1000	-4.71	-52.43	≤-24.71	PASS
			1000~26500	-4.71	-47.19	≤-24.71	PASS
		2462	Reference	-5.17	-5.17	---	PASS



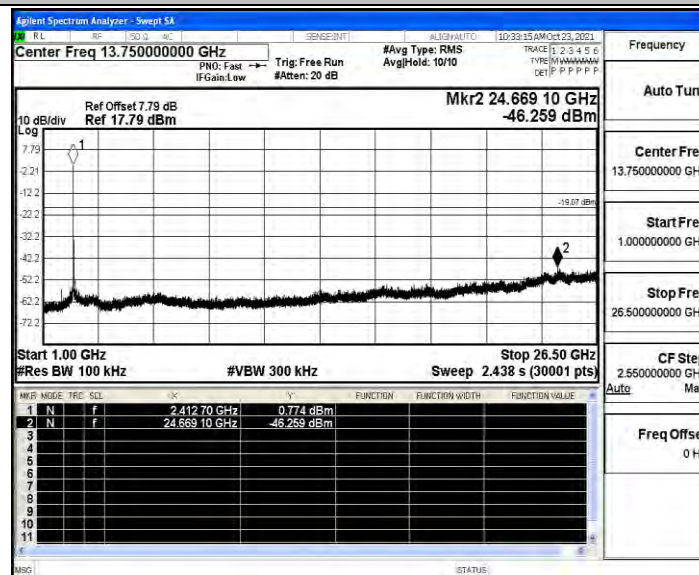
11N40SISO	Ant1		30~1000	-5.17	-52.84	≤ -25.17	PASS
			1000~26500	-5.17	-46.54	≤ -25.17	PASS
		2422	Reference	-6.83	-6.83	---	PASS
			30~1000	-6.83	-53.32	≤ -26.83	PASS
			1000~26500	-6.83	-46.83	≤ -26.83	PASS
		2437	Reference	-6.79	-6.79	---	PASS
			30~1000	-6.79	-52.23	≤ -26.79	PASS
			1000~26500	-6.79	-46.35	≤ -26.79	PASS
		2452	Reference	-7.65	-7.65	---	PASS
			30~1000	-7.65	-52.97	≤ -27.65	PASS
			1000~26500	-7.65	-47.3	≤ -27.65	PASS

Test Graphs

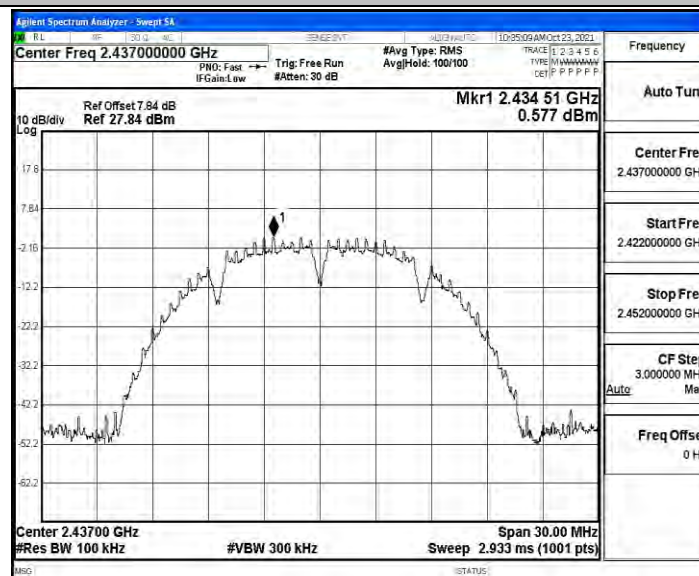




11B_Ant1_2412_1000~26500

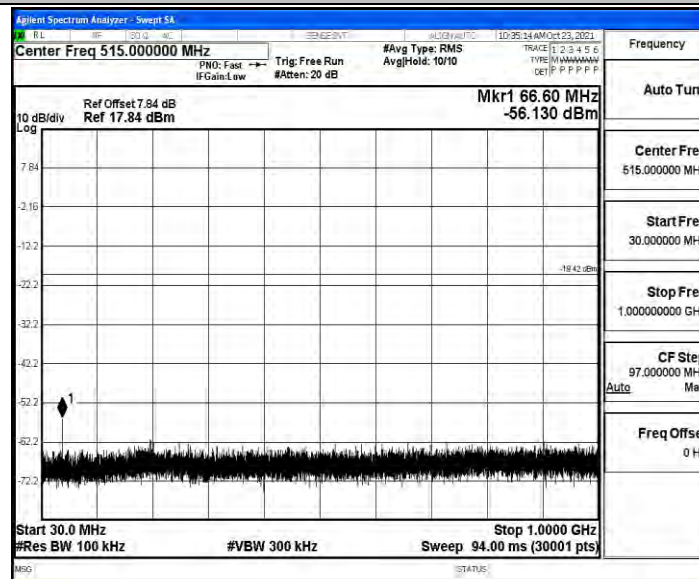


11B_Ant1_2437_0~Reference

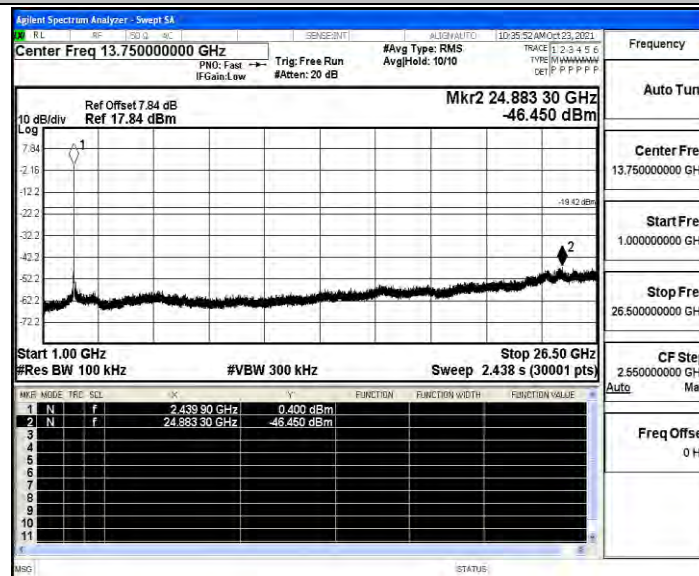




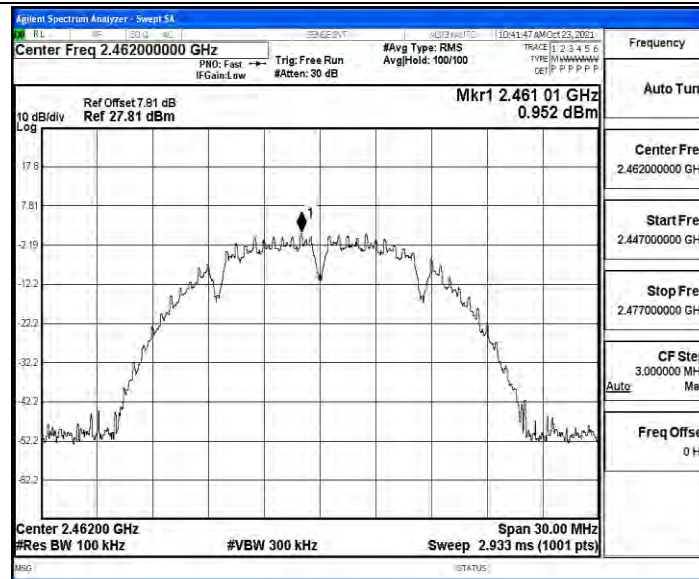
11B_Ant1_2437_30~1000



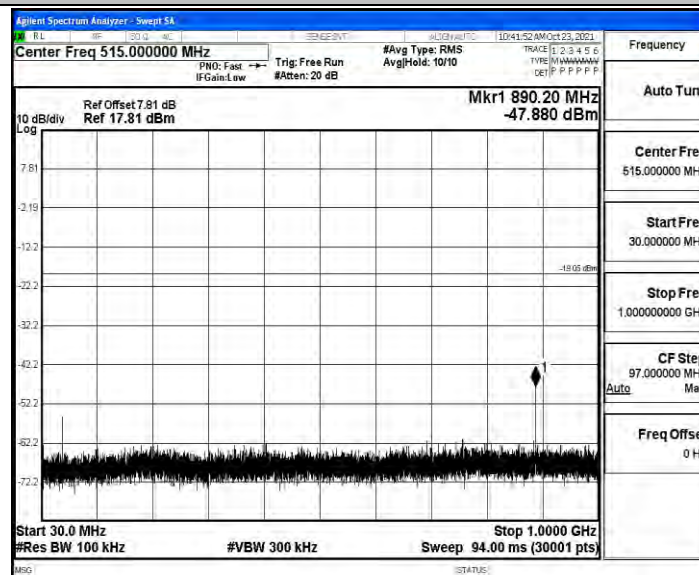
11B_Ant1_2437_1000~26500



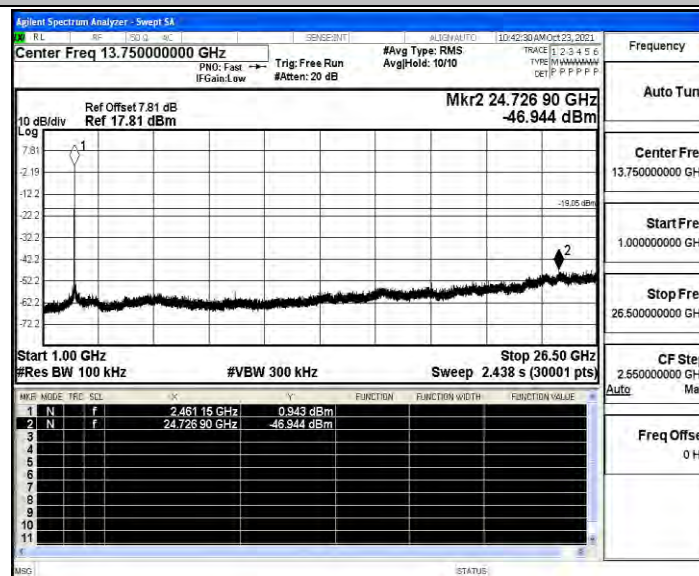
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

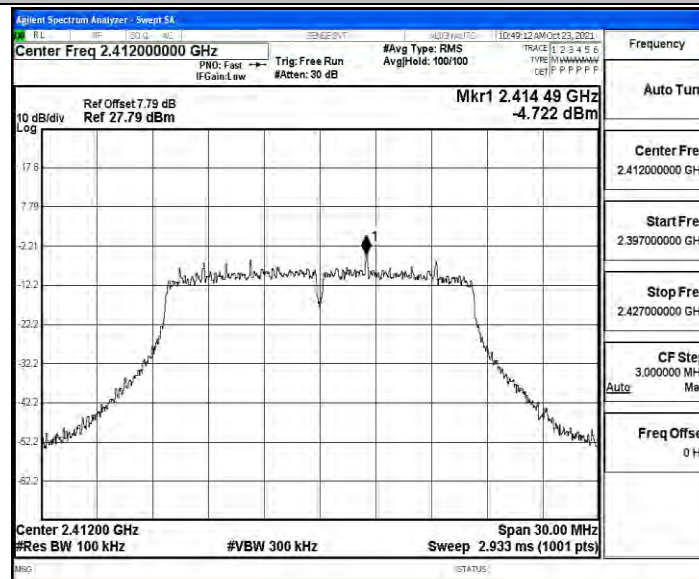


11B_Ant1_2462_1000~26500

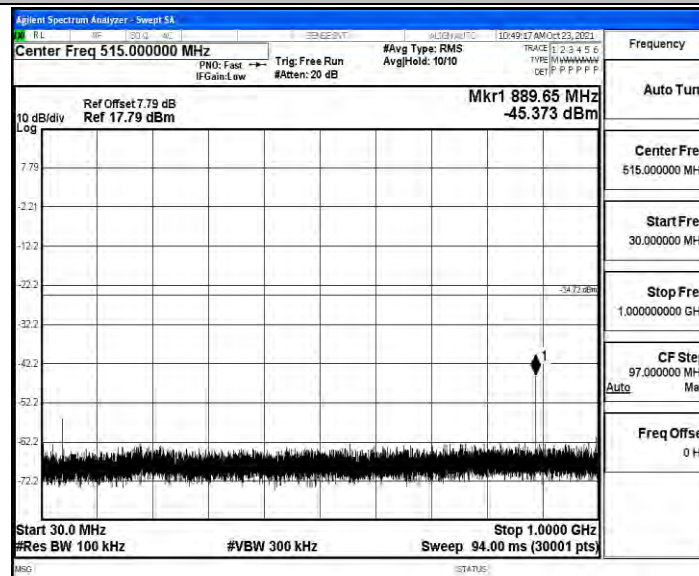




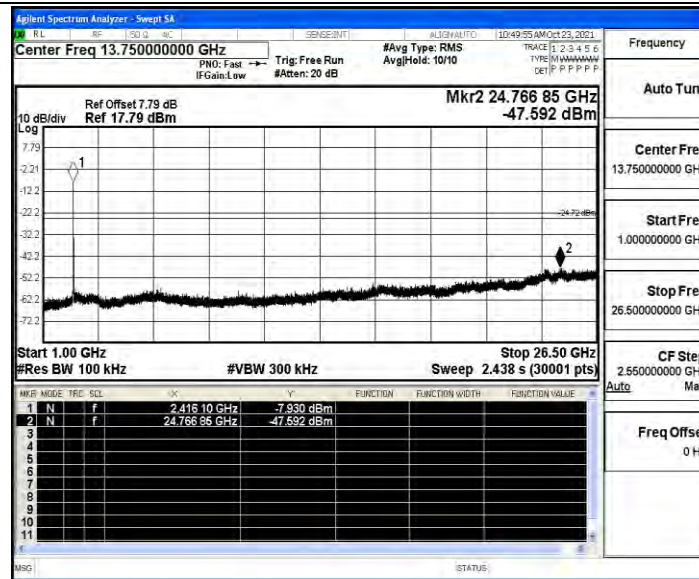
11G_Ant1_2412_0~Reference



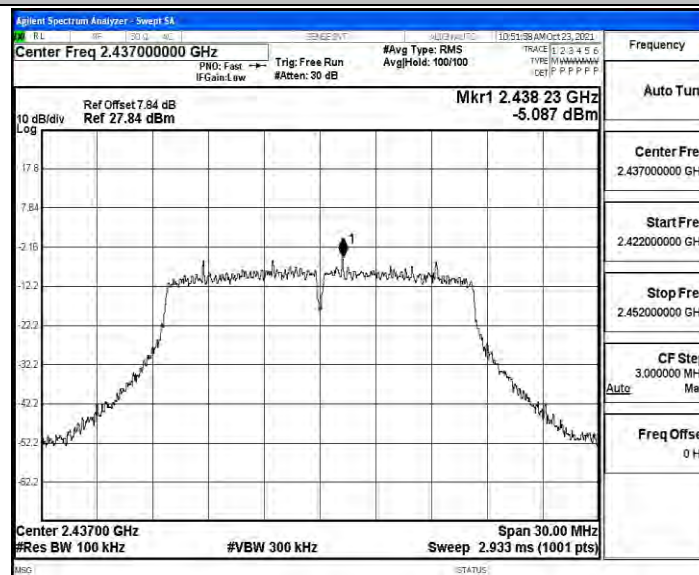
11G_Ant1_2412_30~1000



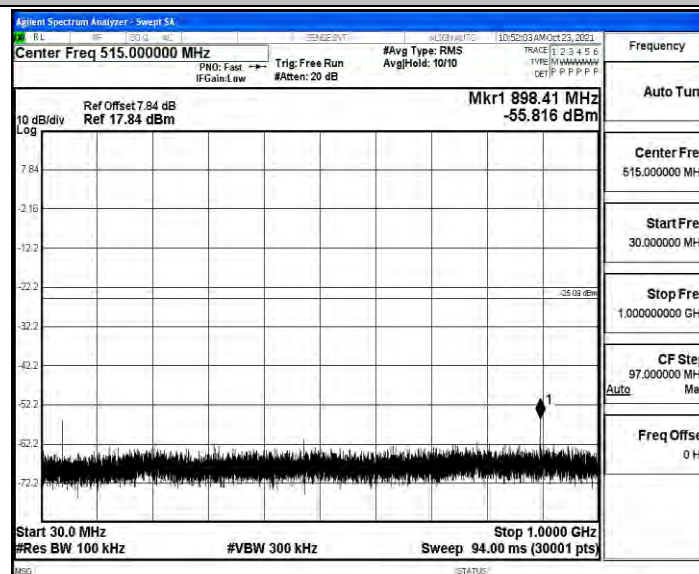
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference

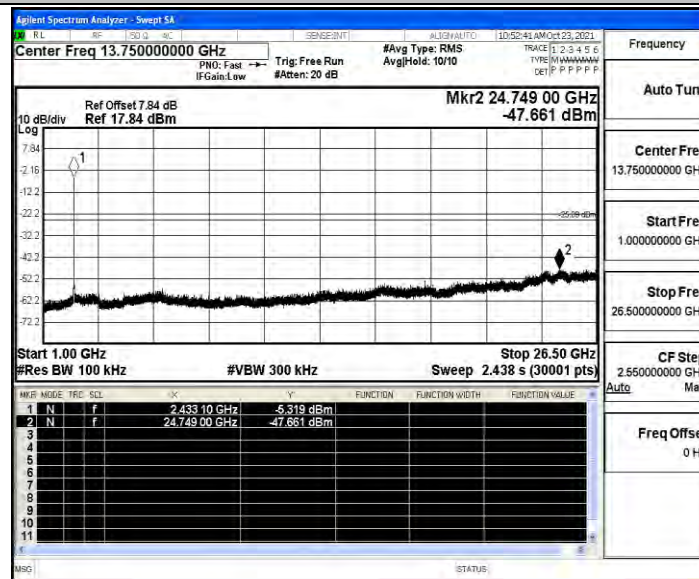


11G_Ant1_2437_30~1000

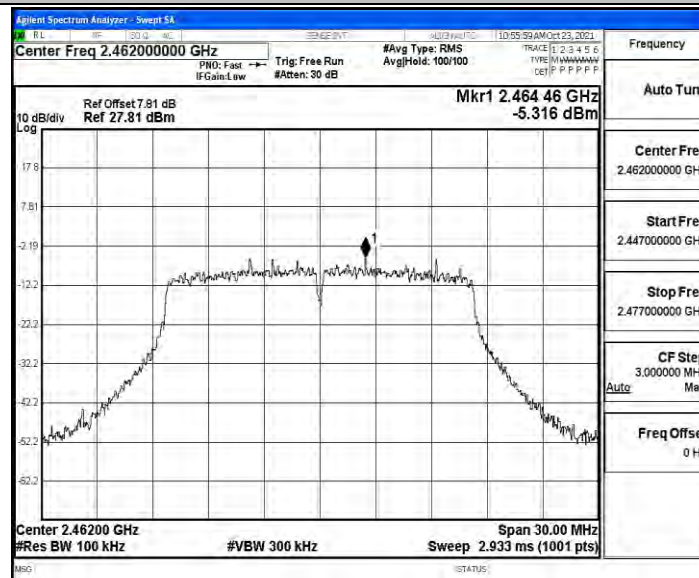




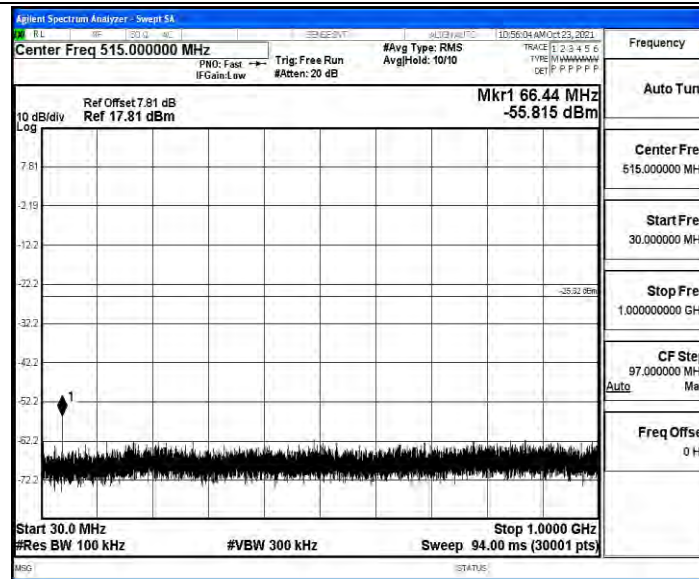
11G_Ant1_2437_1000~26500



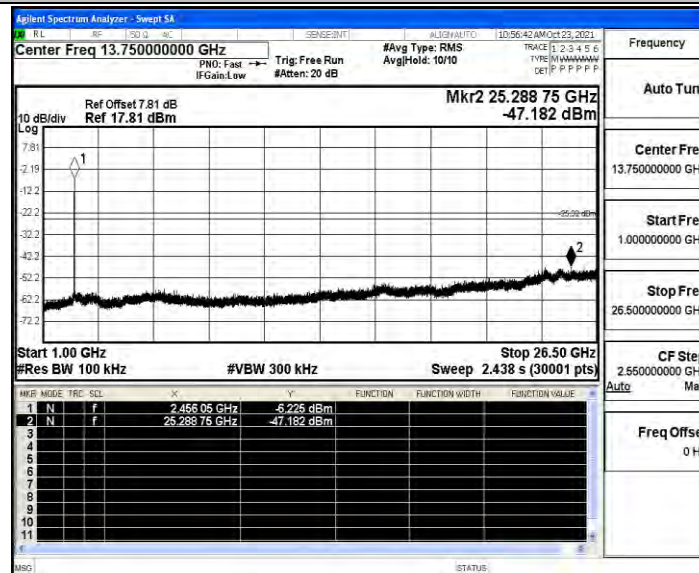
11G_Ant1_2462_0~Reference



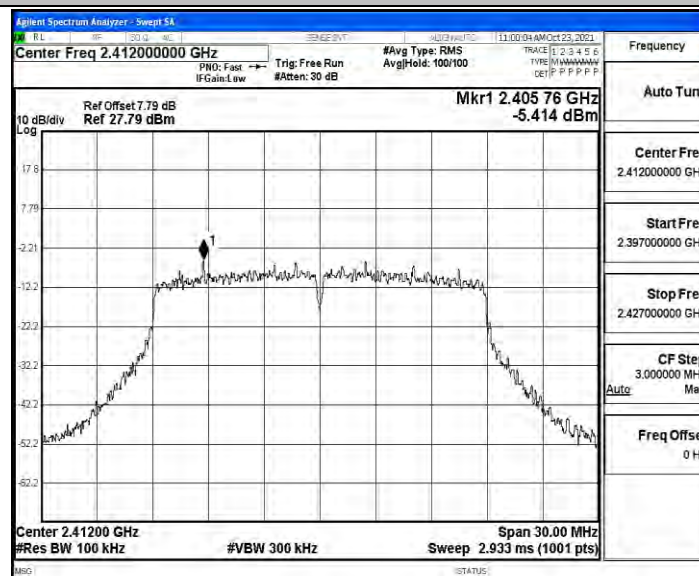
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500

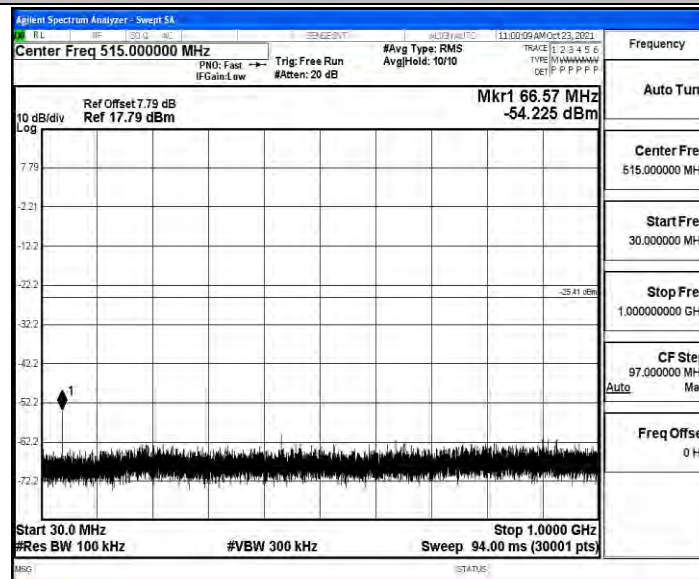


11N20SISO_Ant1_2412_0~Reference

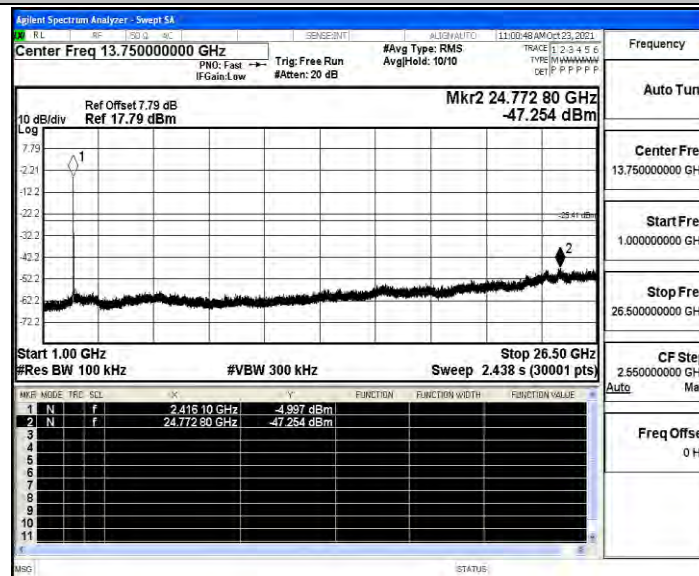




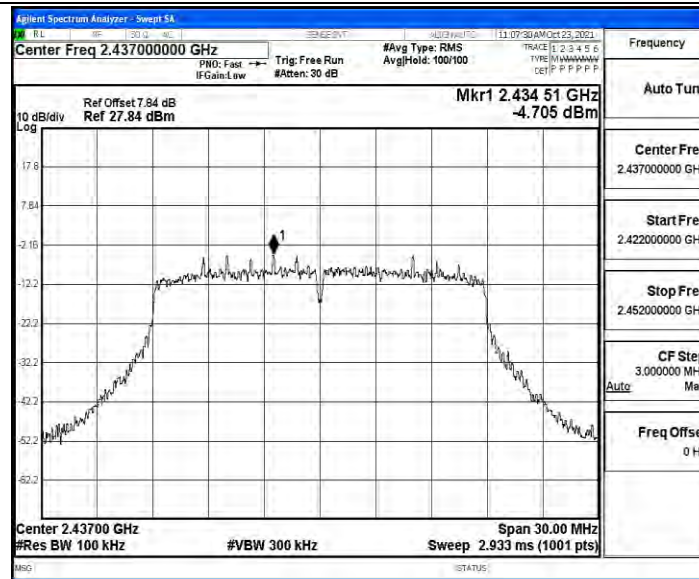
11N20SISO_Ant1_2412_30~1000



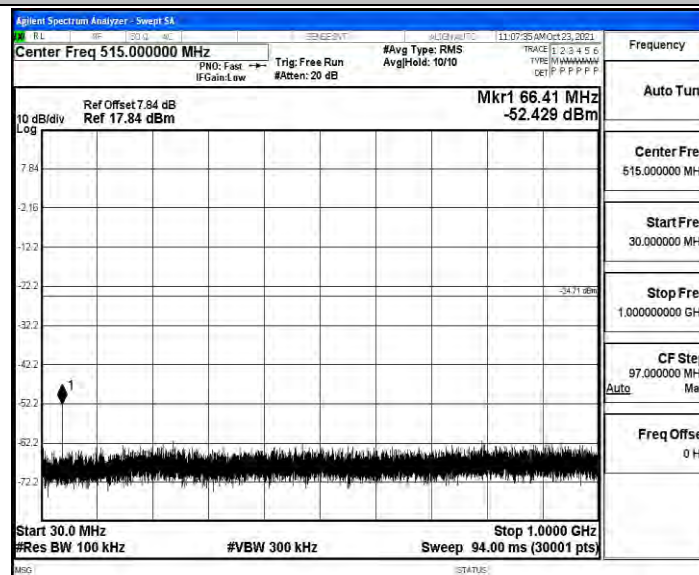
11N20SISO_Ant1_2412_1000~26500



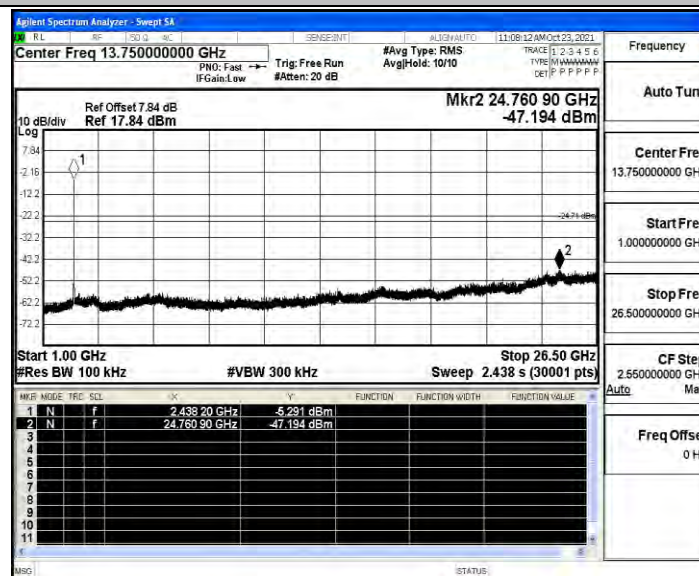
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

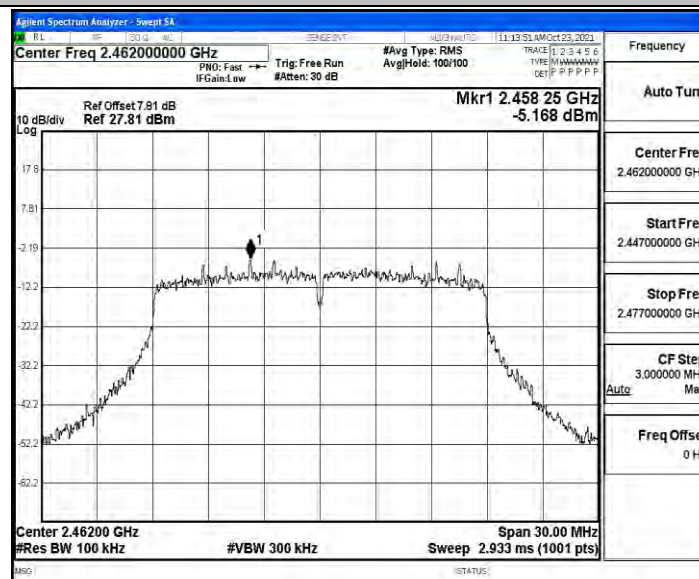


11N20SISO_Ant1_2437_1000~26500

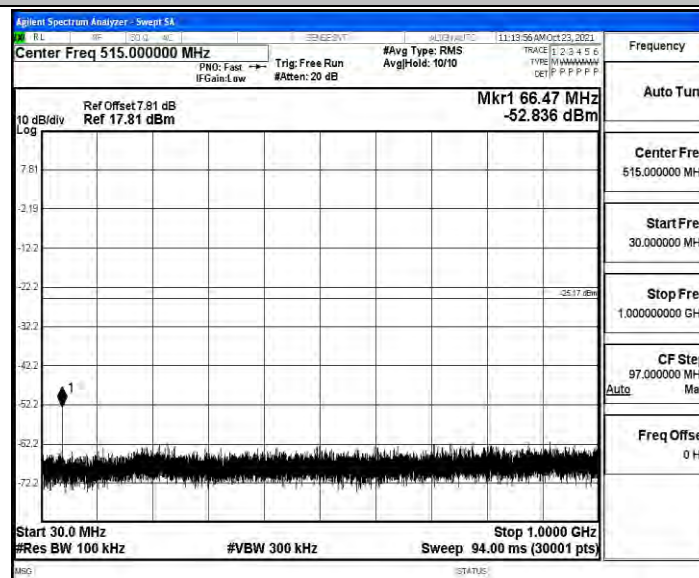




11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500