



Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: AMD R1505G/R1305G Player

Test Model: SMPA

Environmental Conditions

Temperature:	21.1 ° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan



C.1 6dB Bandwidth

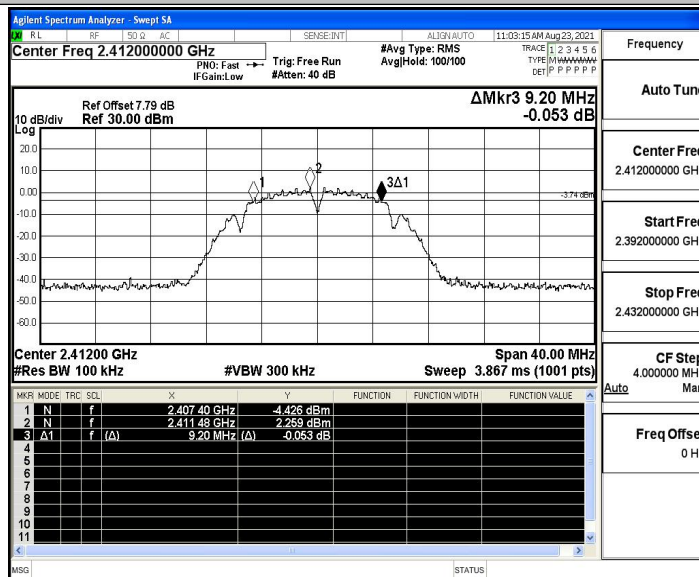
Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.200	2407.400	2416.600	0.5	PASS
		2437	9.160	2432.440	2441.600	0.5	PASS
		2462	9.480	2457.080	2466.560	0.5	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	0.5	PASS
		2437	16.120	2429.080	2445.200	0.5	PASS
		2462	16.160	2453.680	2469.840	0.5	PASS
11N20SISO	Ant1	2412	17.880	2403.080	2420.960	0.5	PASS
		2437	17.800	2428.160	2445.960	0.5	PASS
		2462	17.800	2453.040	2470.840	0.5	PASS
11N40SISO	Ant1	2422	36.560	2403.760	2440.320	0.5	PASS
		2437	36.560	2418.760	2455.320	0.5	PASS
		2452	36.080	2433.760	2469.840	0.5	PASS

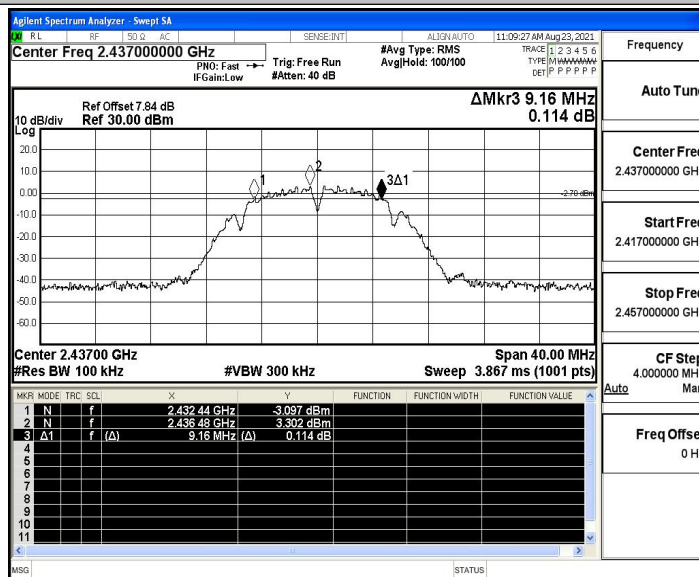


Test Graphs

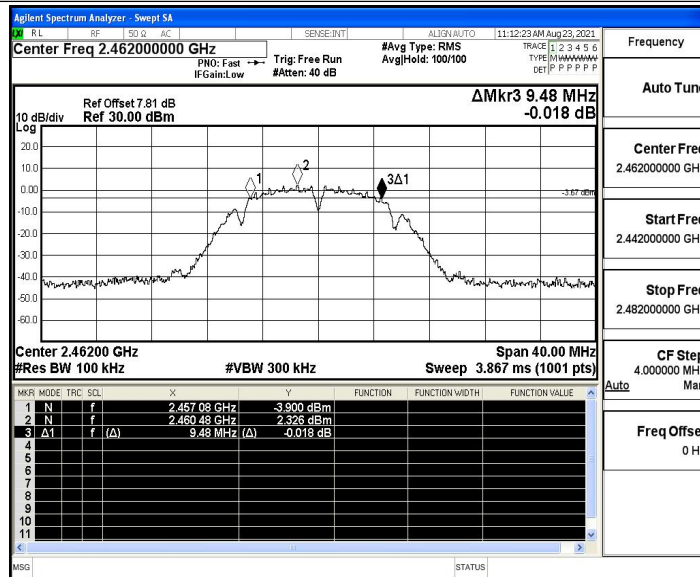
11B_Ant1_2412



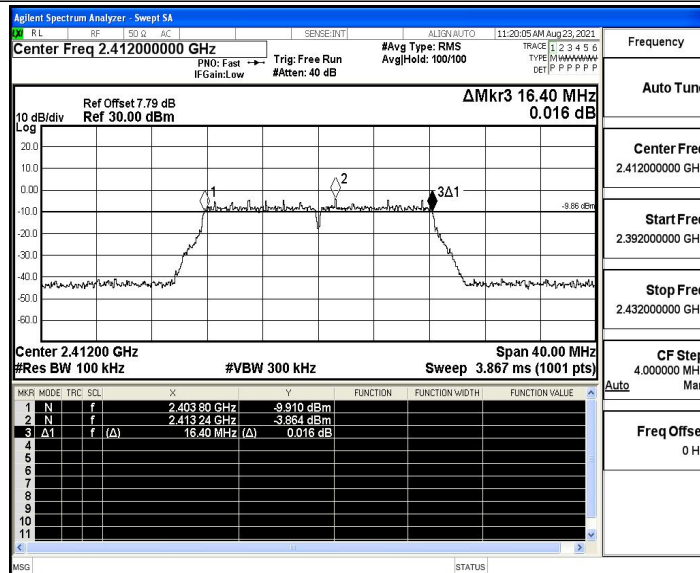
11B_Ant1_2437



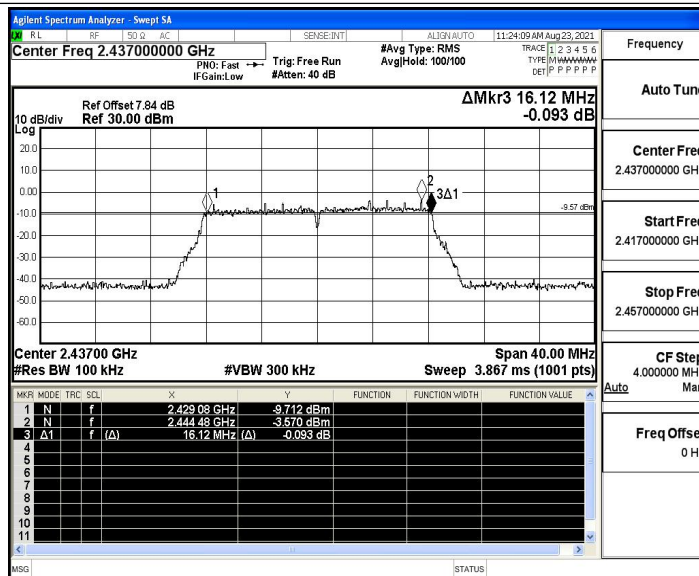
11B_Ant1_2462



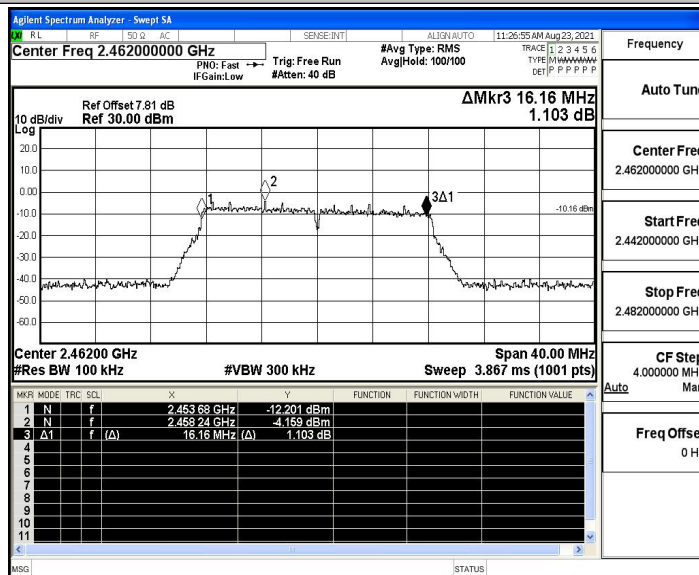
11G_Ant1_2412



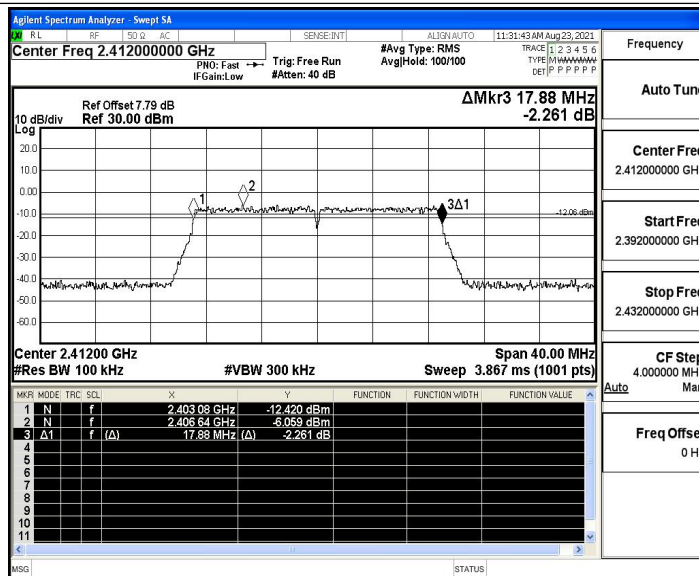
11G_Ant1_2437



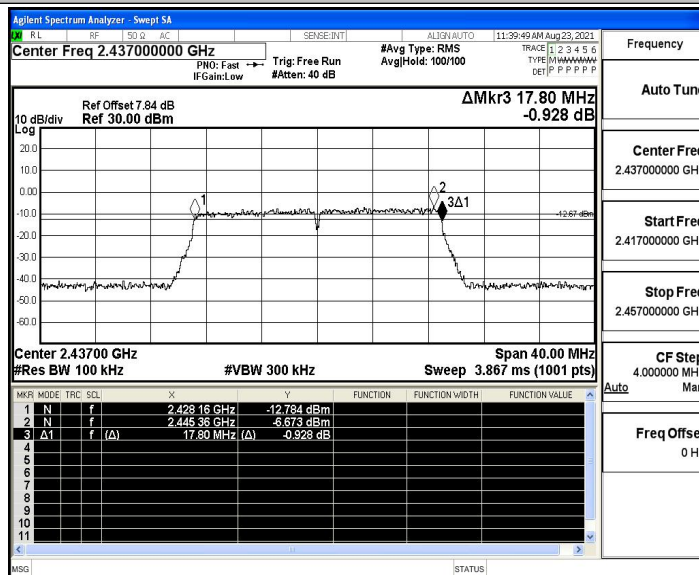
11G_Ant1_2462



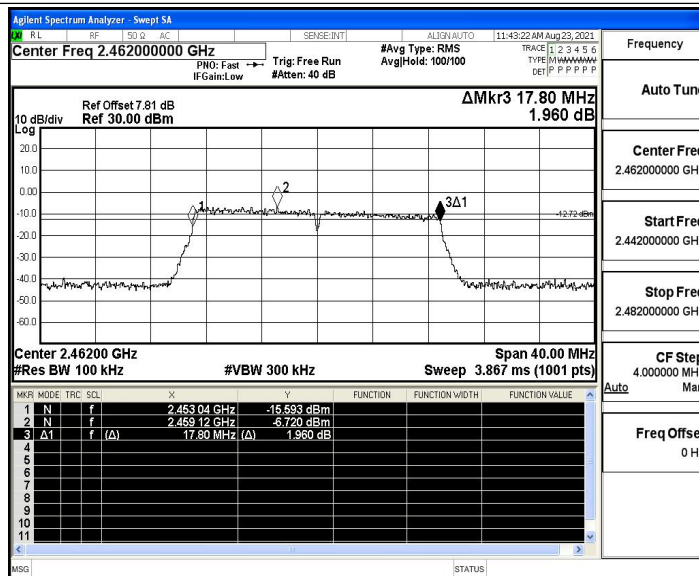
11N20SISO_Ant1_2412



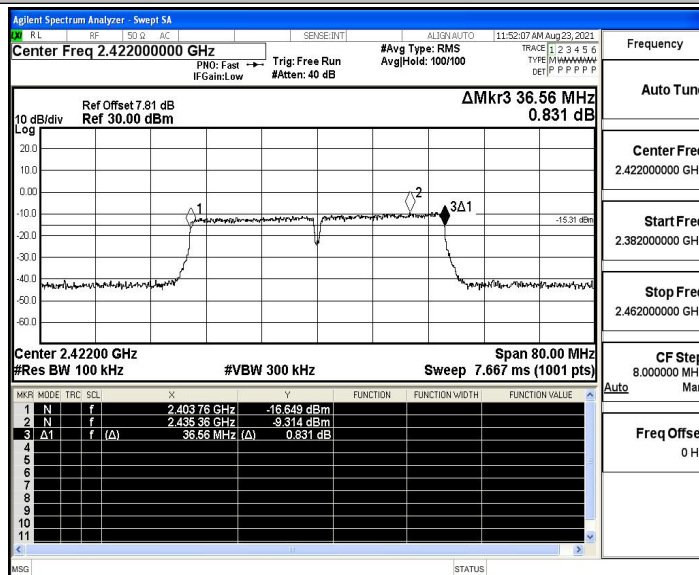
11N20SISO_Ant1_2437



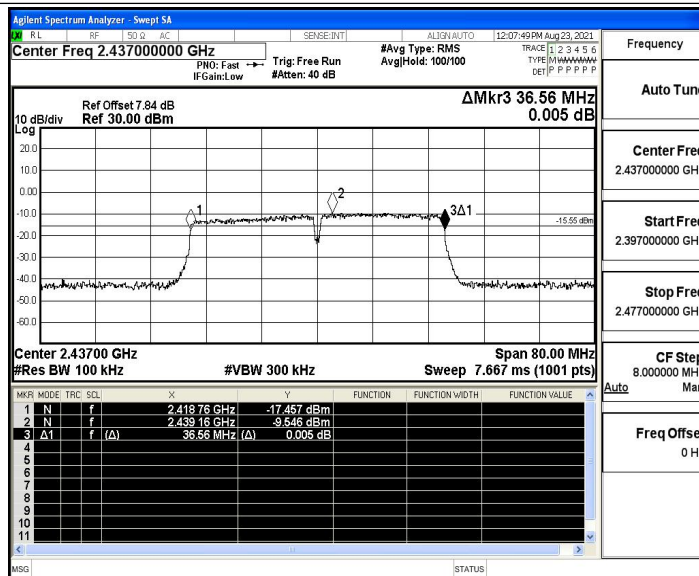
11N20SISO_Ant1_2462



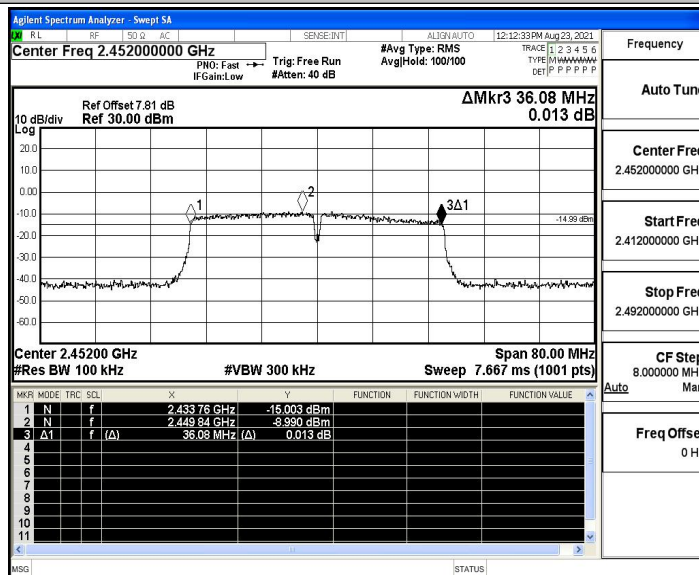
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





C.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.21	≤30	PASS
		2437	16.30	≤30	PASS
		2462	15.26	≤30	PASS
11G	Ant1	2412	14.66	≤30	PASS
		2437	14.68	≤30	PASS
		2462	14.38	≤30	PASS
11N20SISO	Ant1	2412	14.73	≤30	PASS
		2437	14.55	≤30	PASS
		2462	14.43	≤30	PASS
11N40SISO	Ant1	2422	14.24	≤30	PASS
		2437	14.52	≤30	PASS
		2452	14.70	≤30	PASS



C.3 Maximum power spectral density

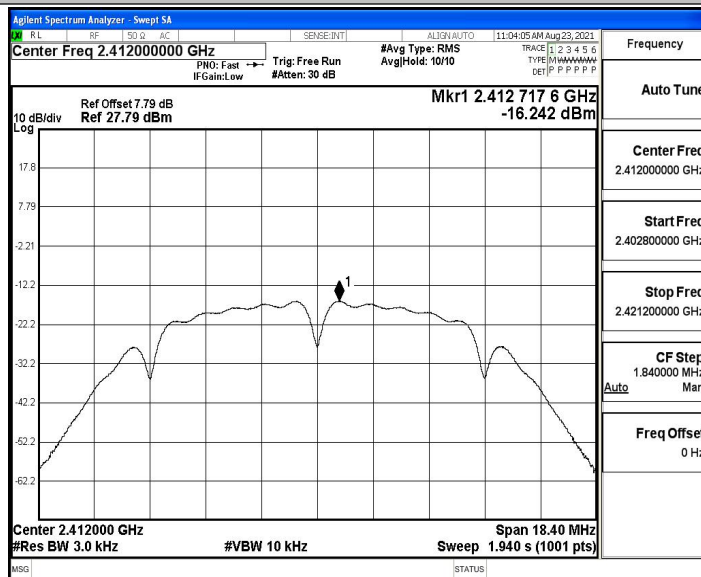
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.24	≤8	PASS
		2437	-15.09	≤8	PASS
		2462	-16.07	≤8	PASS
11G	Ant1	2412	-16.92	≤8	PASS
		2437	-17.93	≤8	PASS
		2462	-17.82	≤8	PASS
11N20SISO	Ant1	2412	-19.71	≤8	PASS
		2437	-20.83	≤8	PASS
		2462	-19.73	≤8	PASS
11N40SISO	Ant1	2422	-20.78	≤8	PASS
		2437	-21	≤8	PASS
		2452	-21.22	≤8	PASS

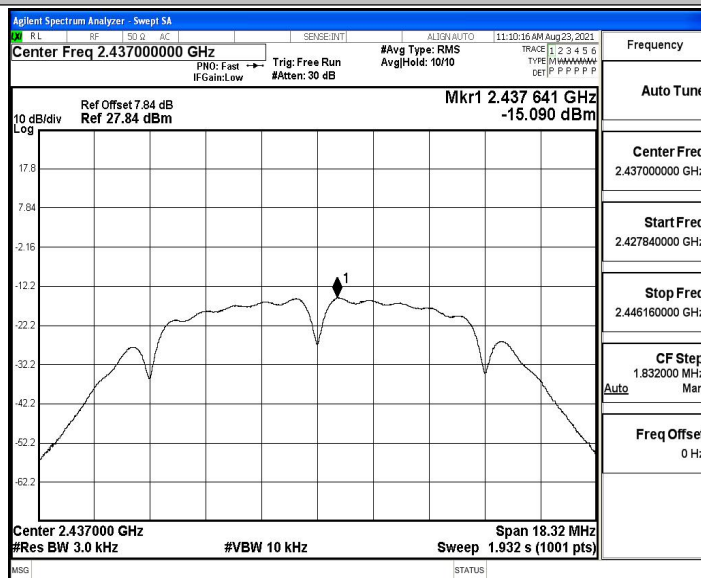


Test Graphs

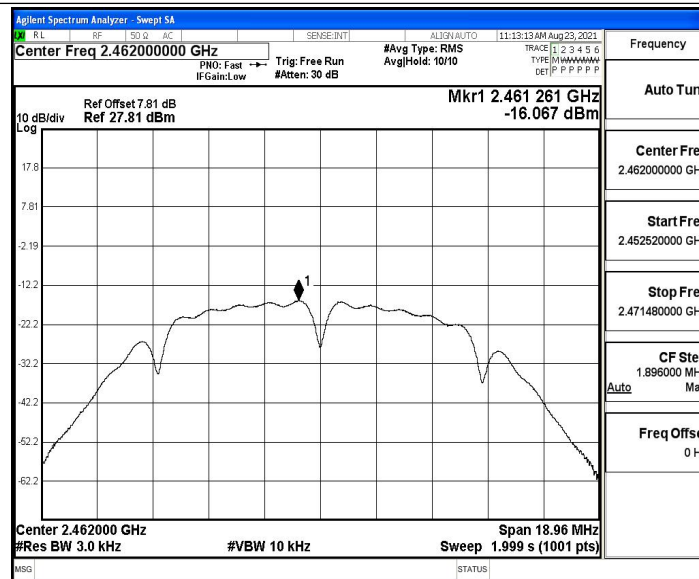
11B_Ant1_2412



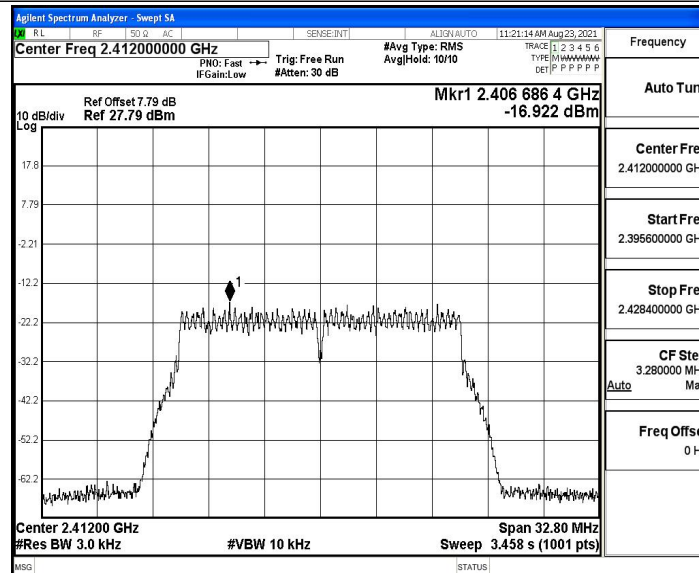
11B_Ant1_2437



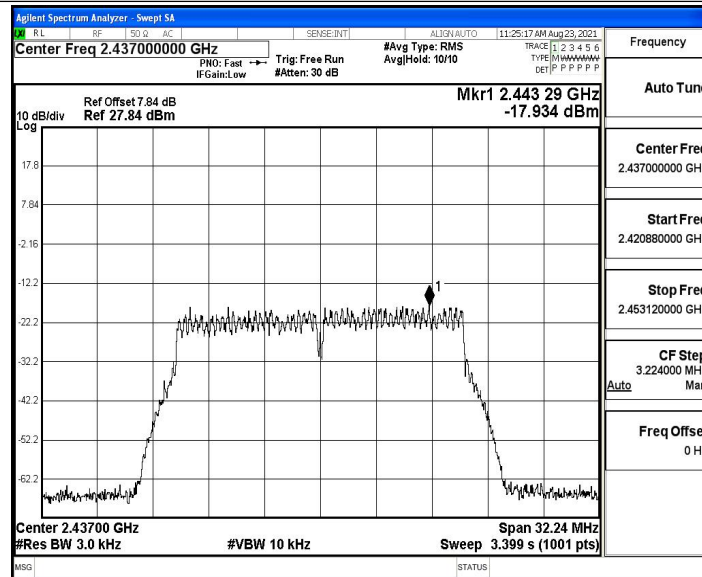
11B_Ant1_2462



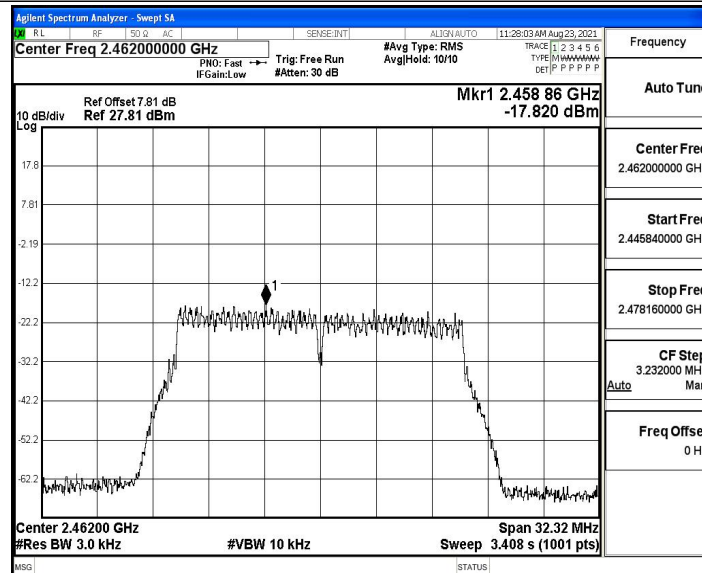
11G_Ant1_2412



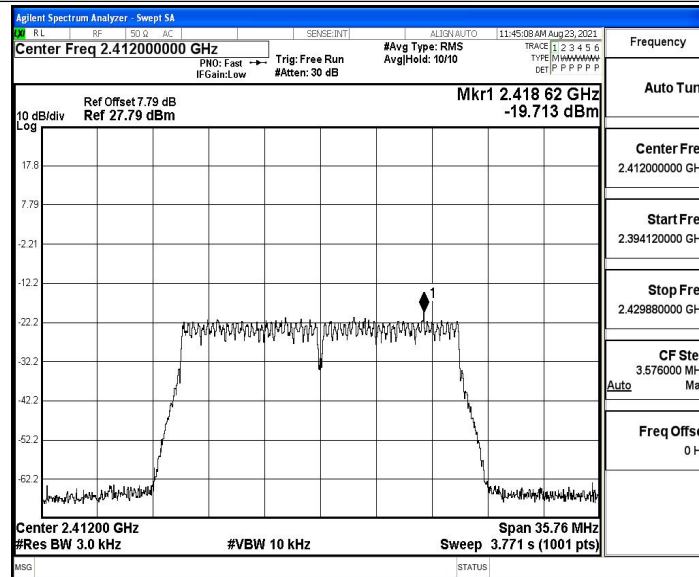
11G_Ant1_2437



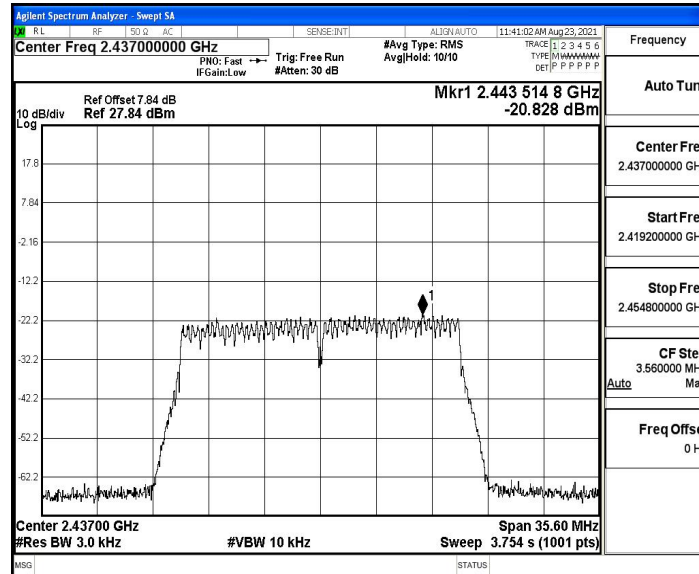
11G_Ant1_2462



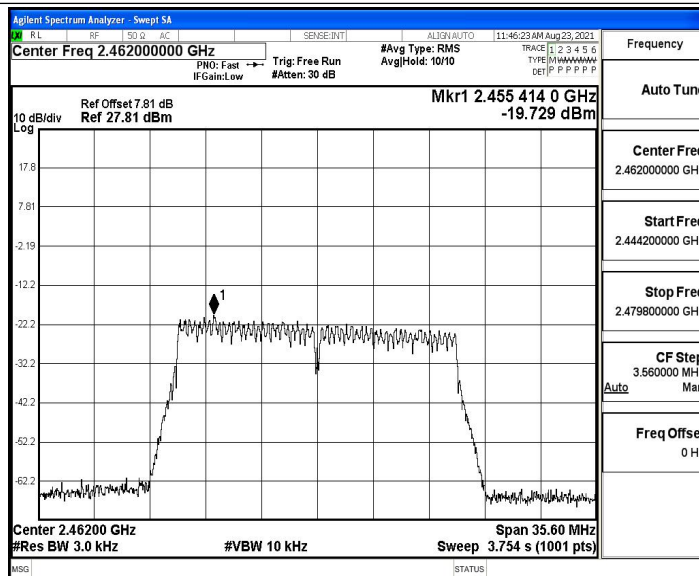
11N20SISO_Ant1_2412



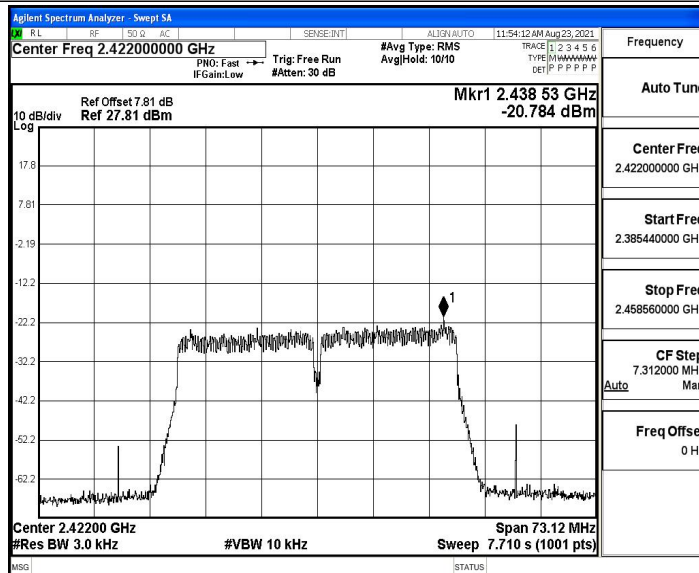
11N20SISO_Ant1_2437



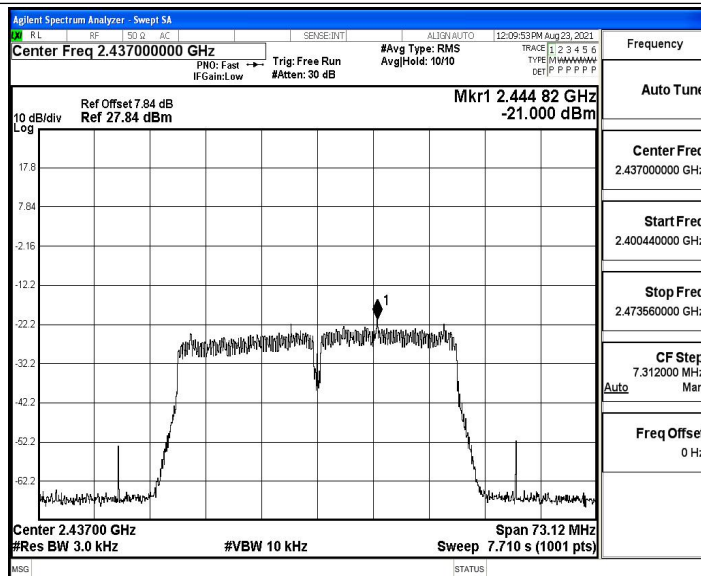
11N20SISO_Ant1_2462



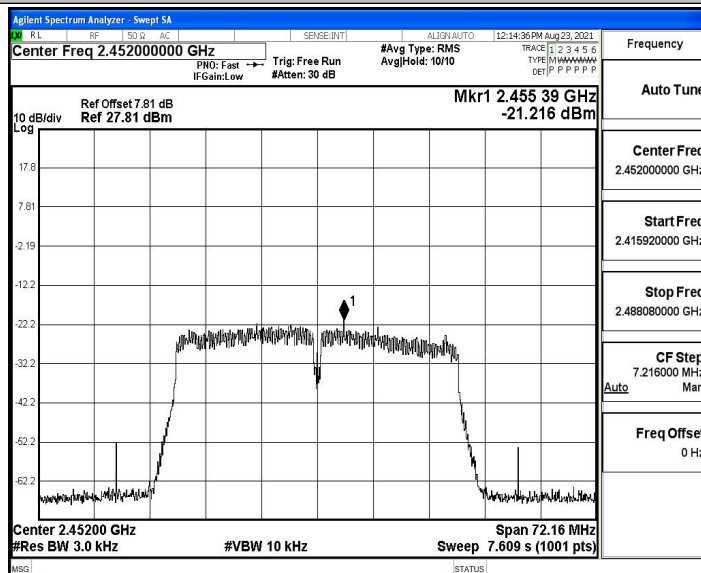
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





C.4 Band edge measurements

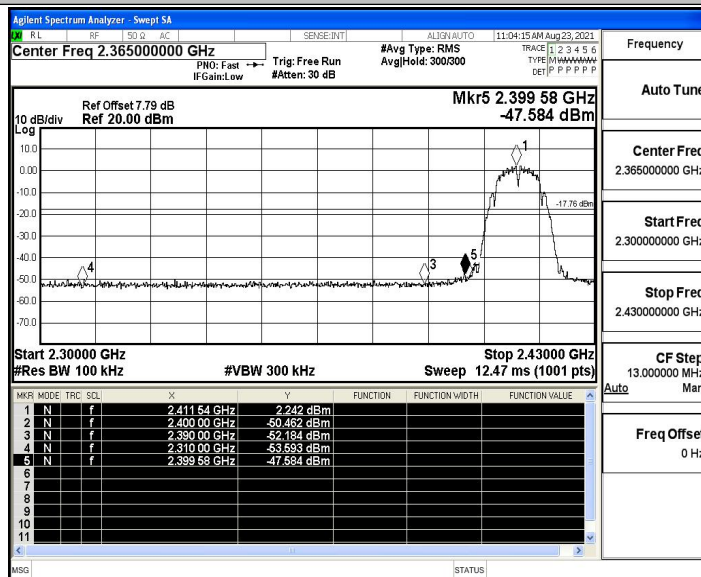
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.24	-47.58	≤ -17.76	PASS
		High	2462	2.30	-48.45	≤ -17.7	PASS
11G	Ant1	Low	2412	-3.77	-48.26	≤ -23.77	PASS
		High	2462	-3.06	-45.96	≤ -23.06	PASS
11N20SISO	Ant1	Low	2412	-7.54	-49.25	≤ -27.54	PASS
		High	2462	-6.55	-47.38	≤ -26.55	PASS
11N40SISO	Ant1	Low	2422	-10.10	-47.94	≤ -30.1	PASS
		High	2452	-9.04	-48.86	≤ -29.04	PASS

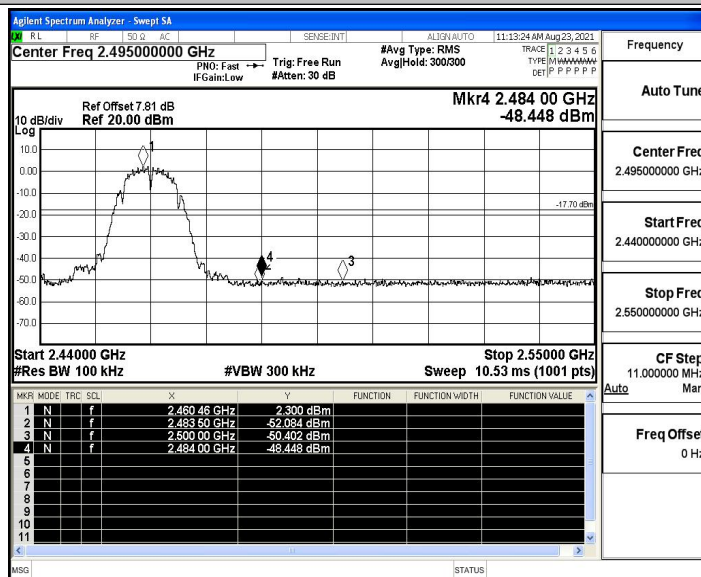


Test Graphs

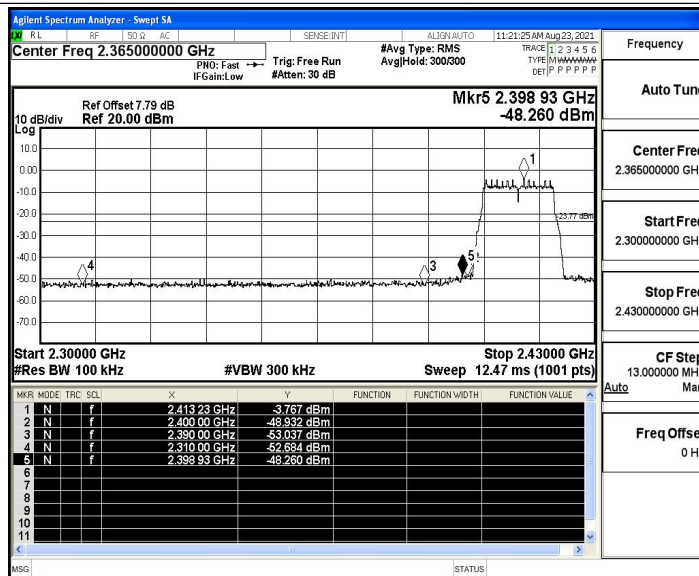
11B_Ant1_Low_2412



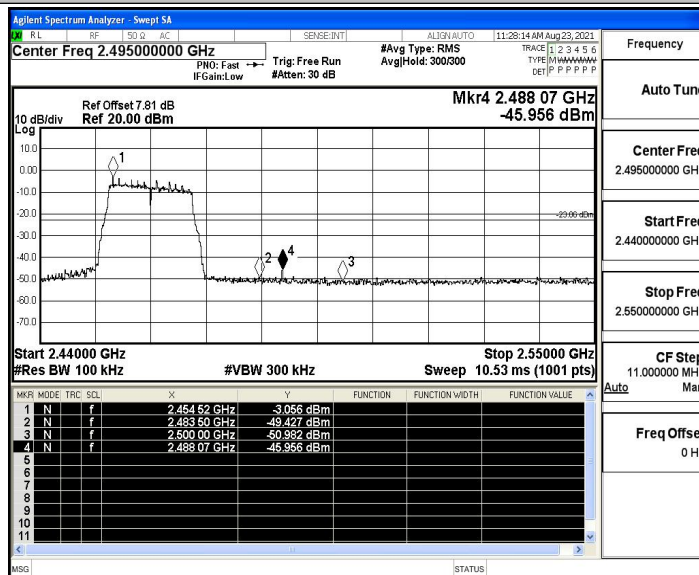
11B_Ant1_High_2462



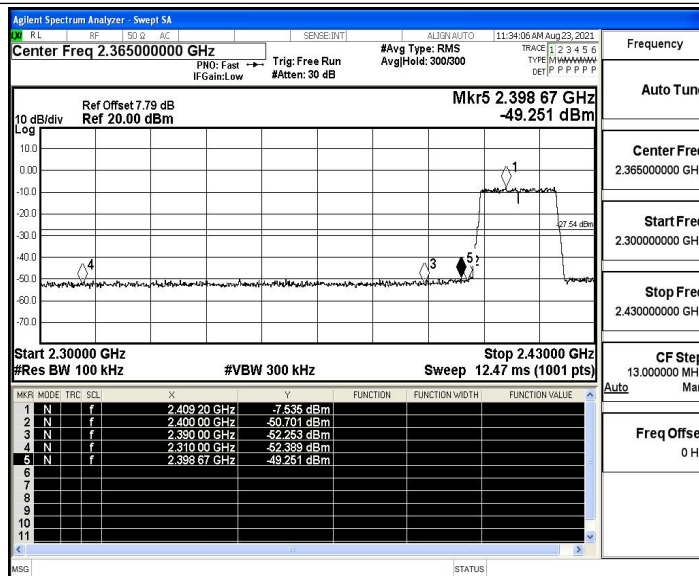
11G_Ant1_Low_2412



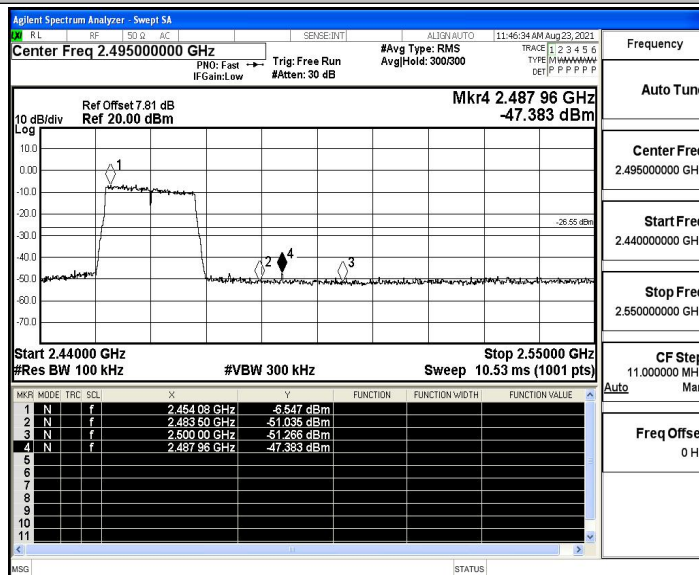
11G_Ant1_High_2462



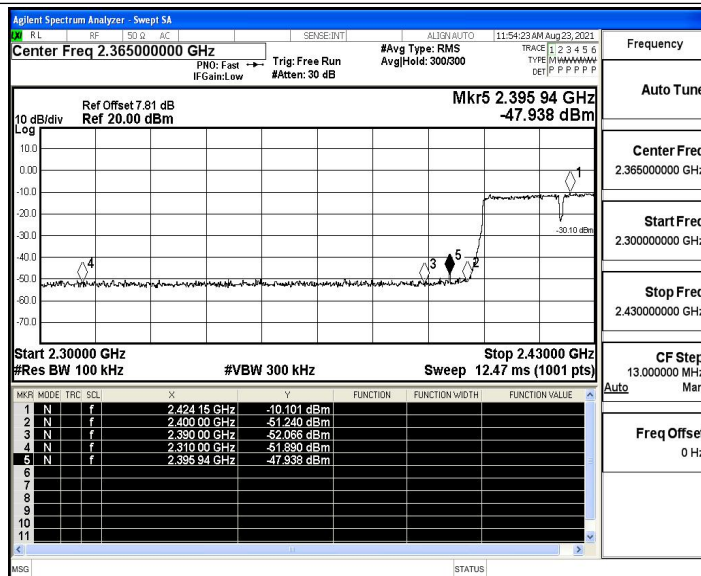
11N20SISO_Ant1_Low_2412



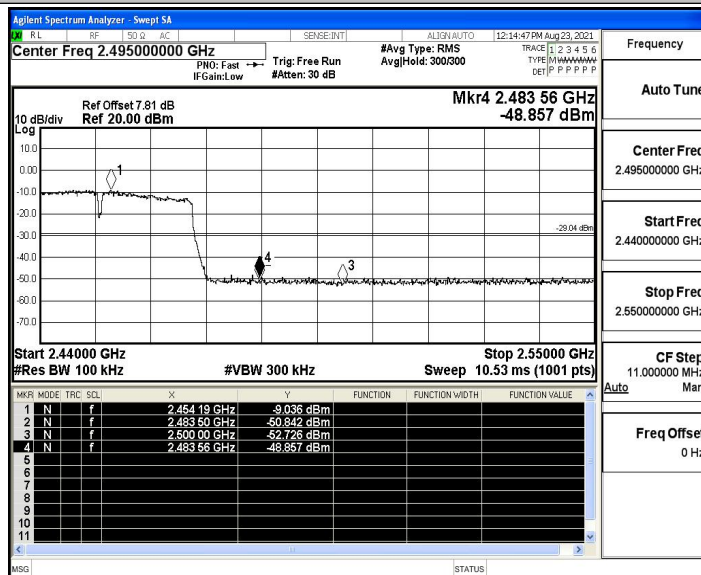
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452





C.5 Conducted Spurious Emission

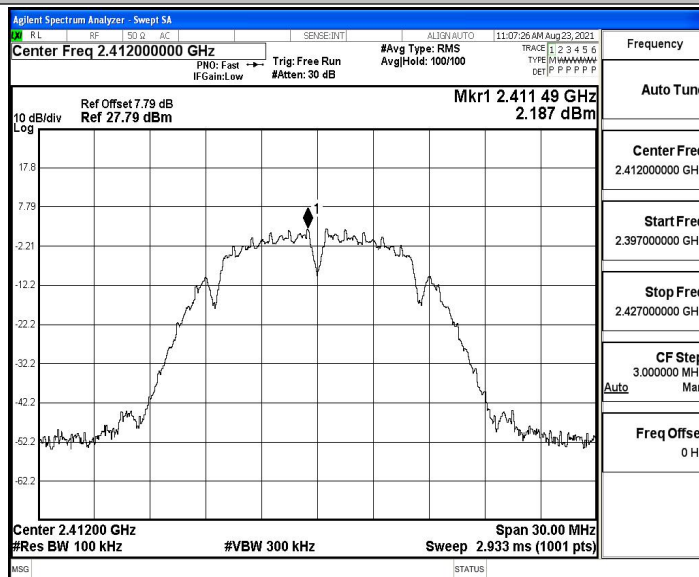
Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.19	2.19	---	PASS
			30~1000	2.19	-61.69	≤ -17.81	PASS
			1000~26500	2.19	-46.65	≤ -17.81	PASS
		2437	Reference	3.20	3.20	---	PASS
			30~1000	3.20	-60.7	≤ -16.8	PASS
			1000~26500	3.20	-47.59	≤ -16.8	PASS
		2462	Reference	2.26	2.26	---	PASS
			30~1000	2.26	-62.07	≤ -17.74	PASS
			1000~26500	2.26	-47.09	≤ -17.74	PASS
11G	Ant1	2412	Reference	-4.36	-4.36	---	PASS
			30~1000	-4.36	-61.83	≤ -24.36	PASS
			1000~26500	-4.36	-47.68	≤ -24.36	PASS
		2437	Reference	-3.33	-3.33	---	PASS
			30~1000	-3.33	-61.63	≤ -23.33	PASS
			1000~26500	-3.33	-47.37	≤ -23.33	PASS
		2462	Reference	-3.40	-3.40	---	PASS
			30~1000	-3.40	-61	≤ -23.4	PASS
			1000~26500	-3.40	-47.23	≤ -23.4	PASS
11N20SISO	Ant1	2412	Reference	-7.68	-7.68	---	PASS
			30~1000	-7.68	-61.7	≤ -27.68	PASS
			1000~26500	-7.68	-47.7	≤ -27.68	PASS
		2437	Reference	-6.93	-6.93	---	PASS
			30~1000	-6.93	-61.42	≤ -26.93	PASS
			1000~26500	-6.93	-47.67	≤ -26.93	PASS
		2462	Reference	-6.74	-6.74	---	PASS
			30~1000	-6.74	-61.62	≤ -26.74	PASS
			1000~26500	-6.74	-47.09	≤ -26.74	PASS
11N40SISO	Ant1	2422	Reference	-9.52	-9.52	---	PASS
			30~1000	-9.52	-61.68	≤ -29.52	PASS
			1000~26500	-9.52	-47.65	≤ -29.52	PASS
		2437	Reference	-9.39	-9.39	---	PASS
			30~1000	-9.39	-61.78	≤ -29.39	PASS
			1000~26500	-9.39	-47.34	≤ -29.39	PASS
		2452	Reference	-9.04	-9.04	---	PASS
			30~1000	-9.04	-61.84	≤ -29.04	PASS
			1000~26500	-9.04	-47.8	≤ -29.04	PASS

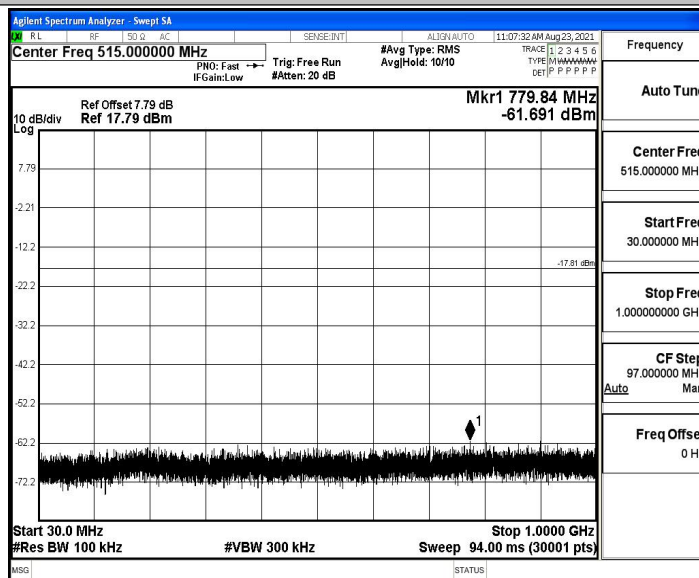


Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500