



Appendix B

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Kids Tablet

Test Model: C72W

Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Wunder Wu
Supervised by:	Li huan



B.1 6dB Bandwidth

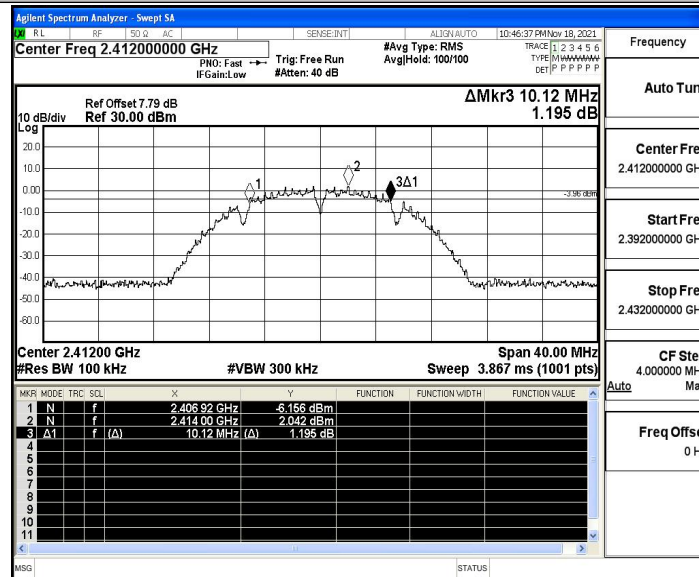
Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.120	2406.920	2417.040	0.5	PASS
		2437	10.160	2431.920	2442.080	0.5	PASS
		2462	9.080	2457.000	2466.080	0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	0.5	PASS
		2437	16.480	2428.800	2445.280	0.5	PASS
		2462	15.160	2453.760	2468.920	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.160	2420.840	0.5	PASS
		2437	17.400	2428.440	2445.840	0.5	PASS
		2462	16.440	2453.160	2469.600	0.5	PASS
11N40SISO	Ant1	2422	35.920	2404.320	2440.240	0.5	PASS
		2437	35.600	2419.400	2455.000	0.5	PASS
		2452	32.800	2434.320	2467.120	0.5	PASS

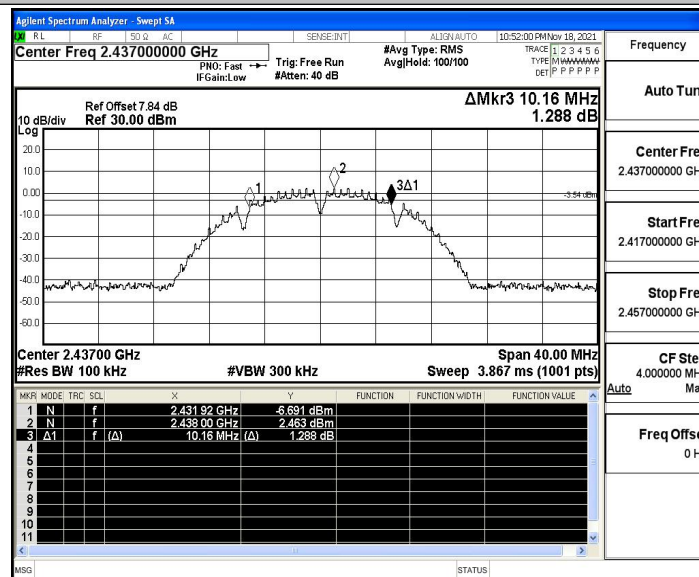


Test Graphs

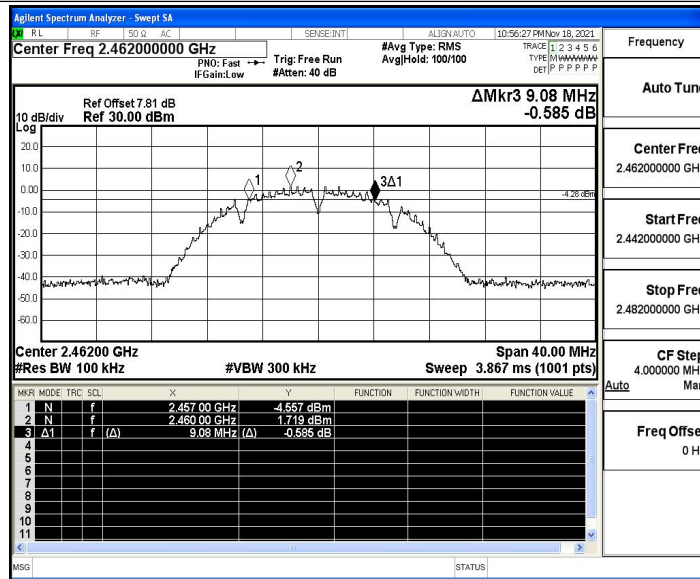
11B_Ant1_2412



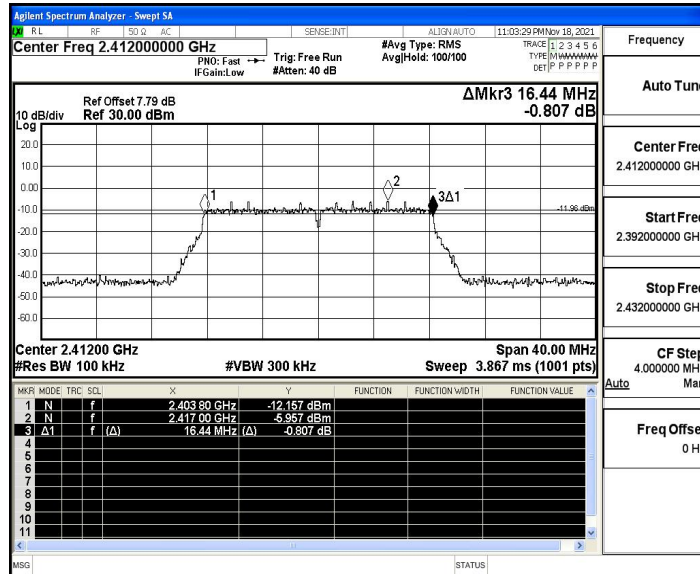
11B_Ant1_2437



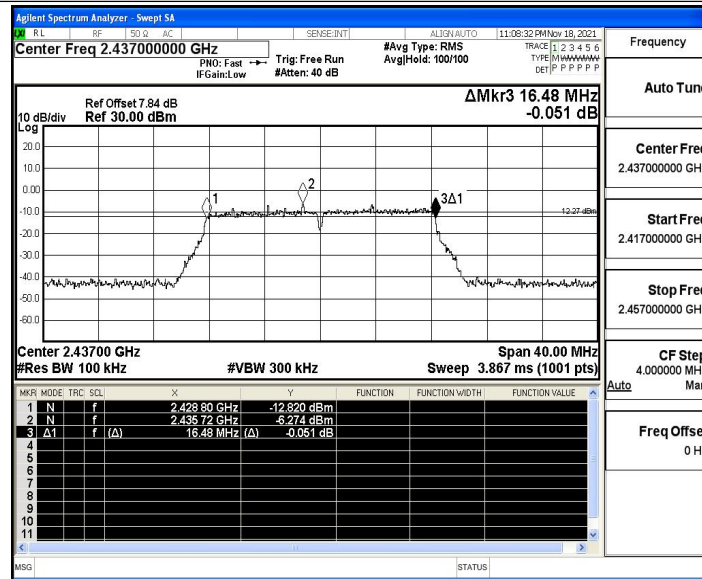
11B_Ant1_2462



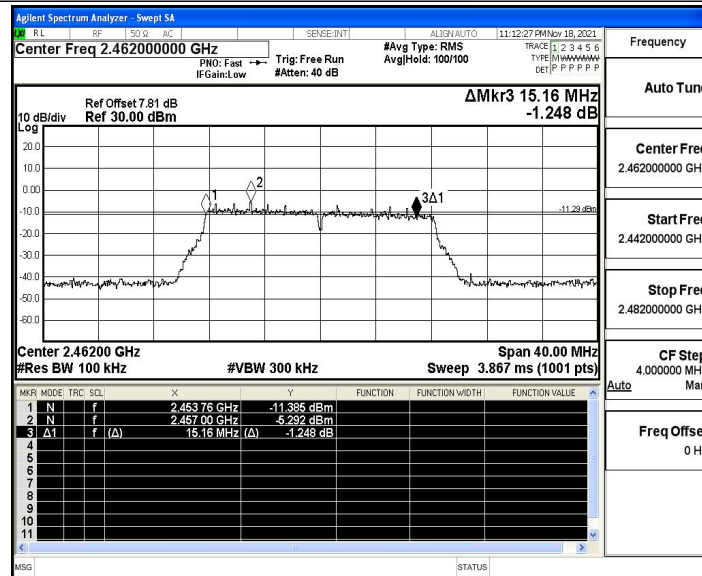
11G_Ant1_2412



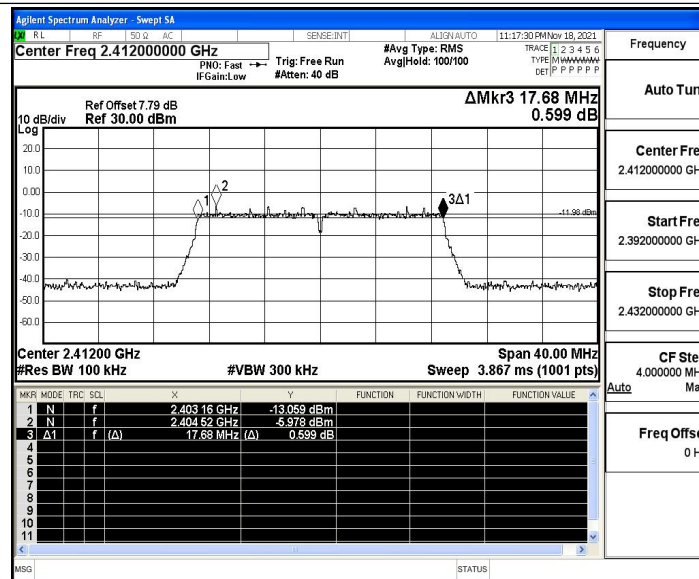
11G_Ant1_2437



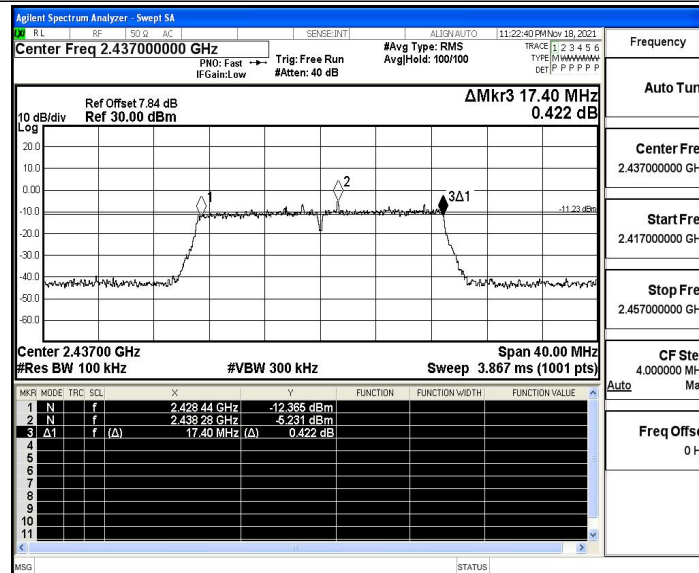
11G_Ant1_2462



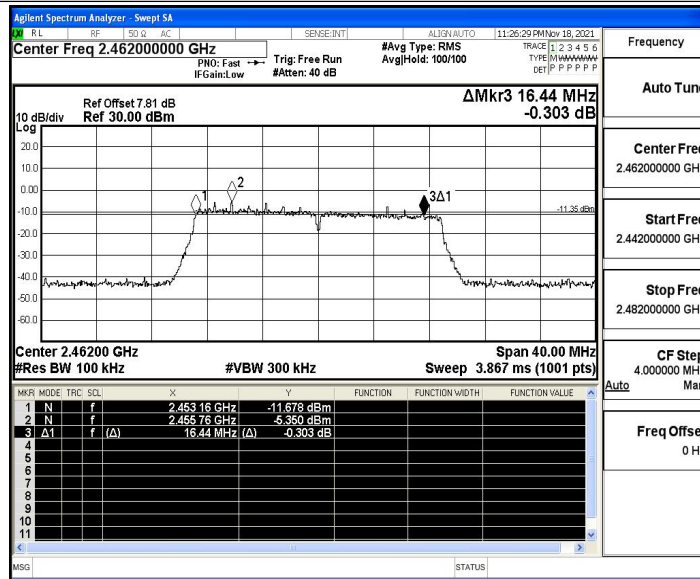
11N20SISO_Ant1_2412



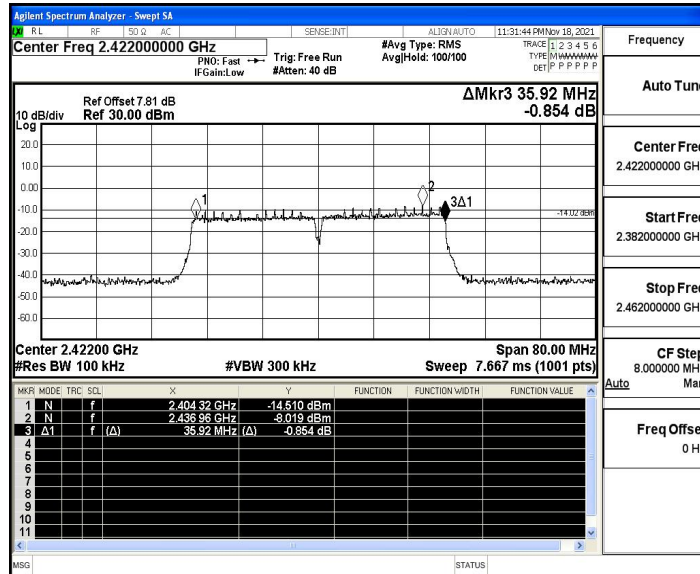
11N20SISO_Ant1_2437



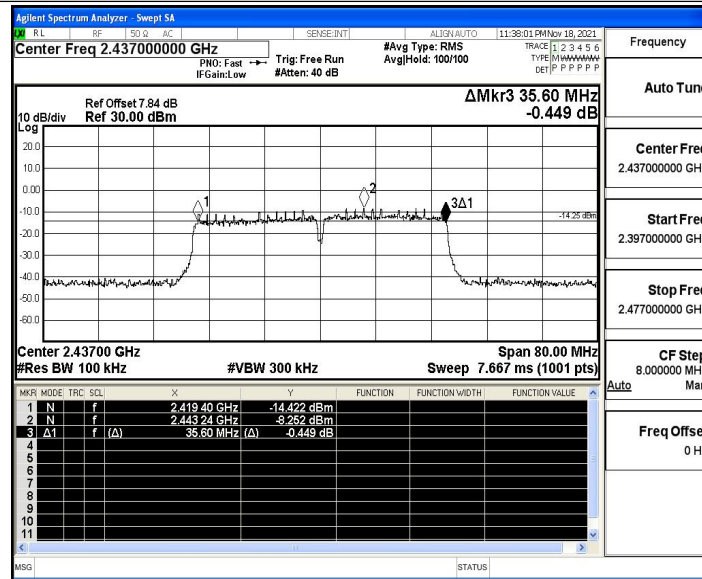
11N20SISO_Ant1_2462



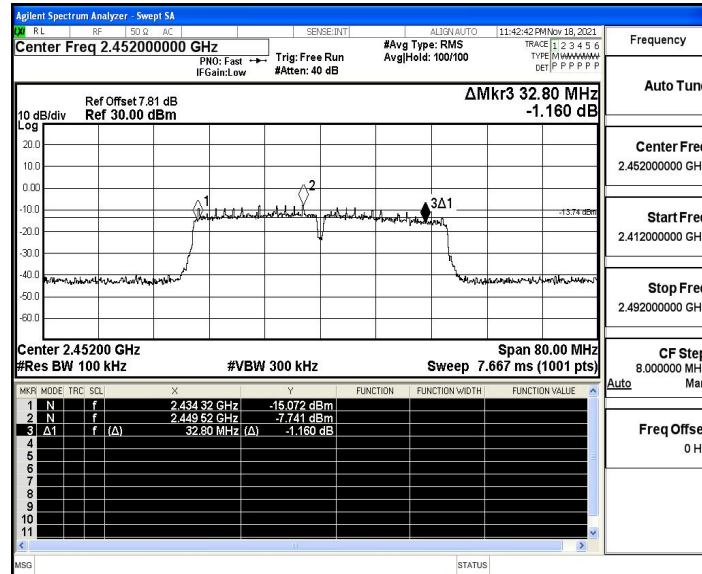
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





B.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.23	≤30	PASS
		2437	14.35	≤30	PASS
		2462	13.99	≤30	PASS
11G	Ant1	2412	12.79	≤30	PASS
		2437	12.64	≤30	PASS
		2462	12.42	≤30	PASS
11N20SISO	Ant1	2412	12.87	≤30	PASS
		2437	12.78	≤30	PASS
		2462	12.56	≤30	PASS
11N40SISO	Ant1	2422	12.82	≤30	PASS
		2437	12.84	≤30	PASS
		2452	12.76	≤30	PASS



B.3 Maximum power spectral density

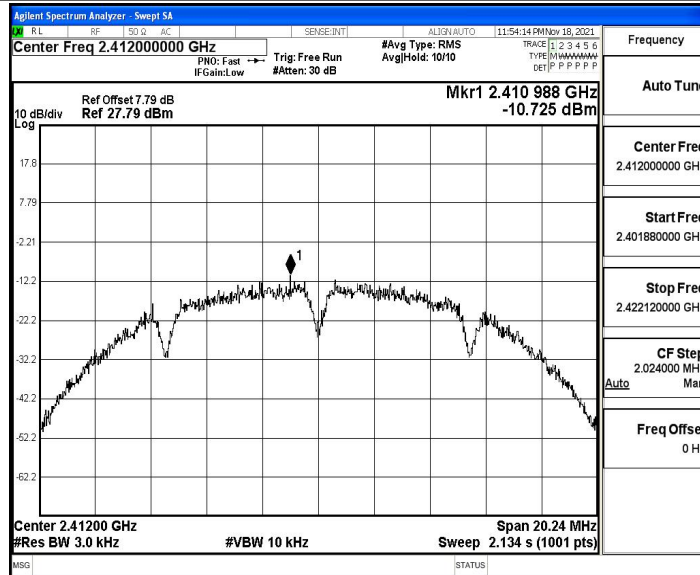
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.73	≤8	PASS
		2437	-8.7	≤8	PASS
		2462	-11.26	≤8	PASS
11G	Ant1	2412	-19.95	≤8	PASS
		2437	-19.23	≤8	PASS
		2462	-19.11	≤8	PASS
11N20SISO	Ant1	2412	-19.91	≤8	PASS
		2437	-19.54	≤8	PASS
		2462	-19.92	≤8	PASS
11N40SISO	Ant1	2422	-21.99	≤8	PASS
		2437	-21.31	≤8	PASS
		2452	-22.13	≤8	PASS

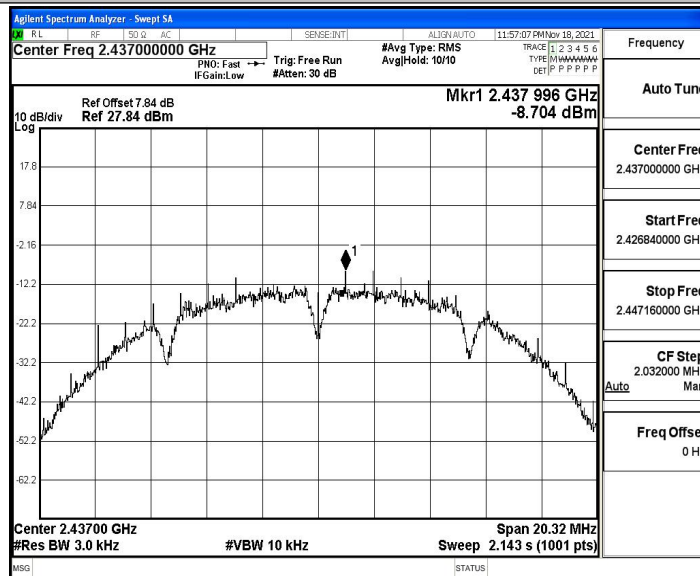


Test Graphs

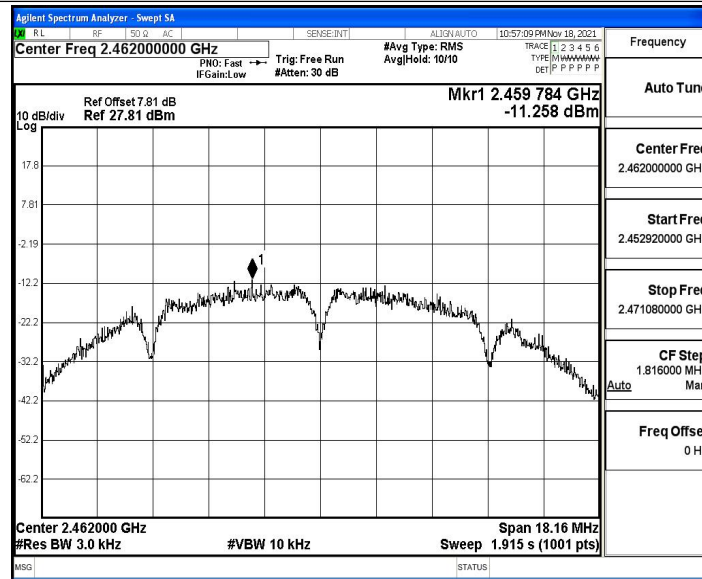
11B_Ant1_2412



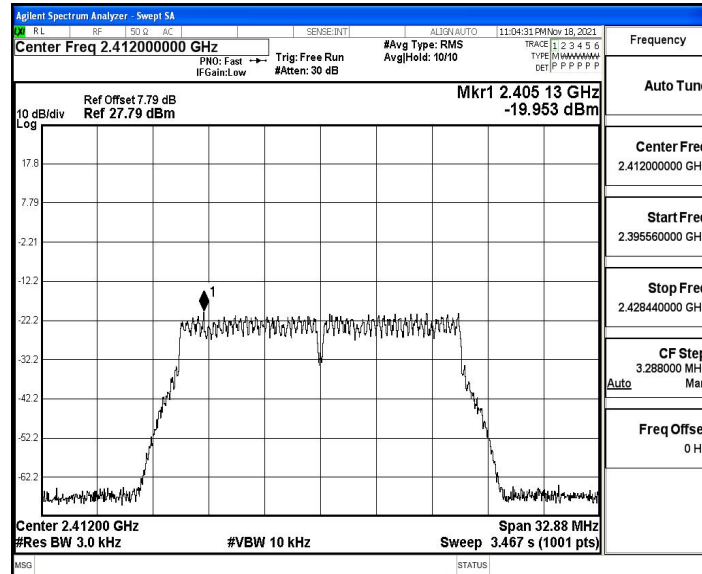
11B_Ant1_2437



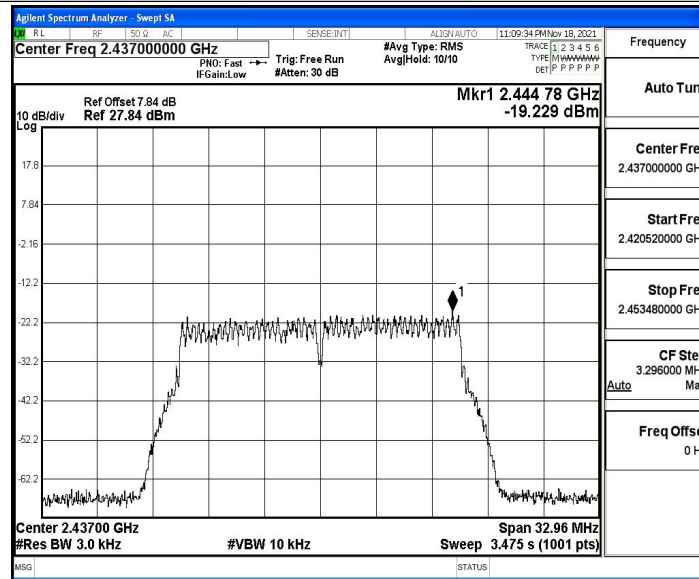
11B_Ant1_2462



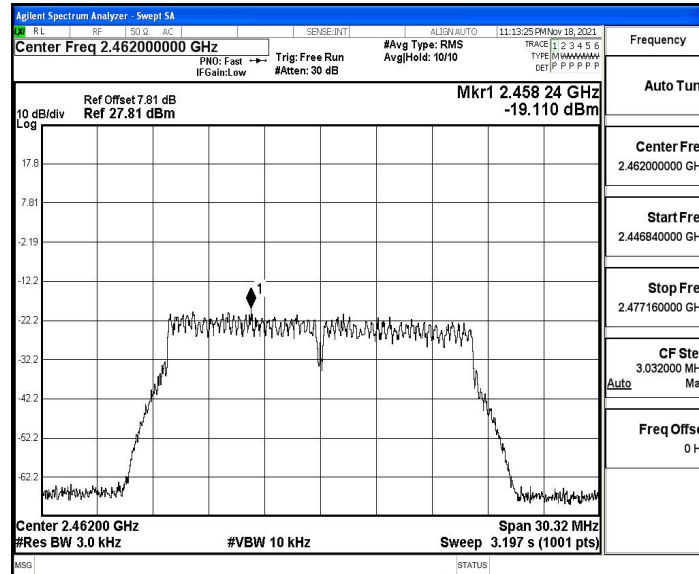
11G_Ant1_2412



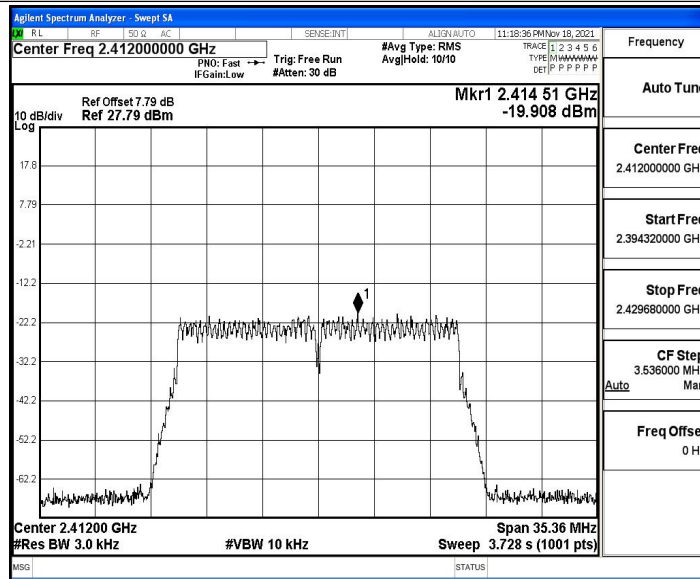
11G_Ant1_2437



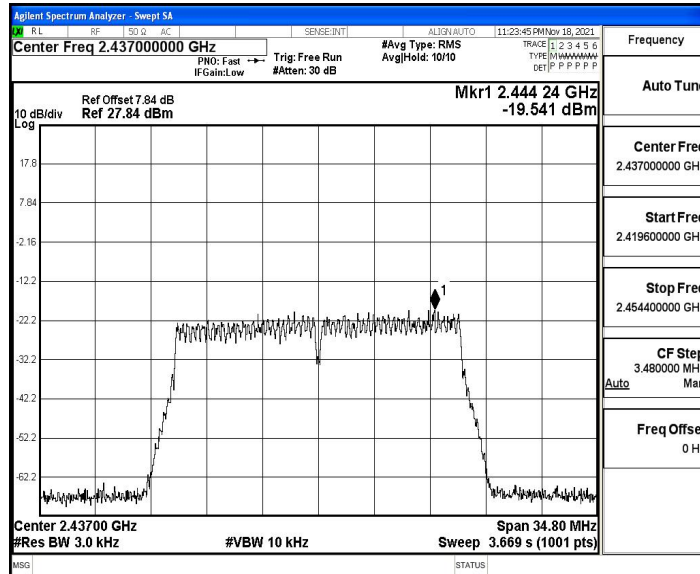
11G_Ant1_2462



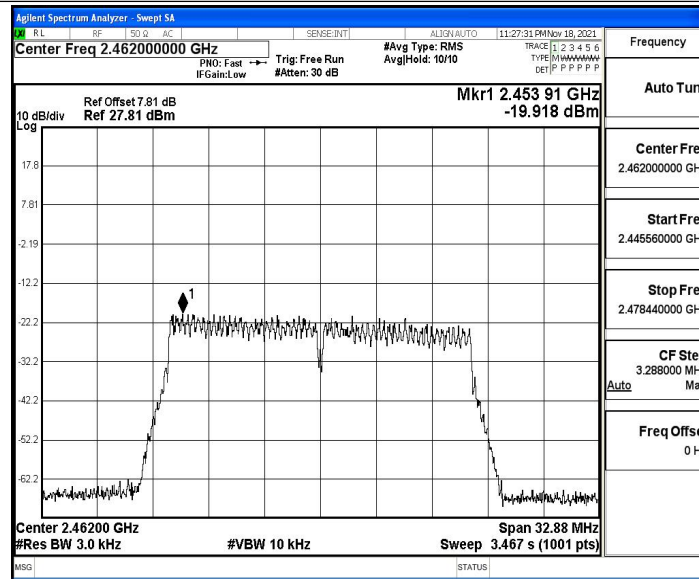
11N20SISO_Ant1_2412



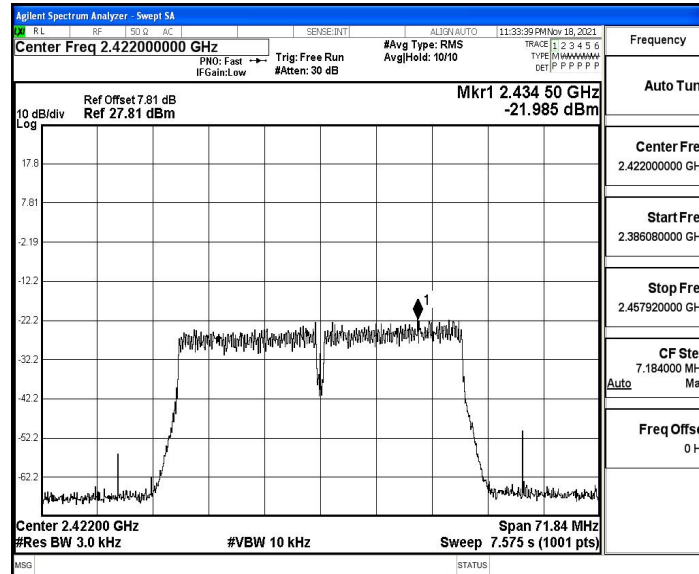
11N20SISO_Ant1_2437



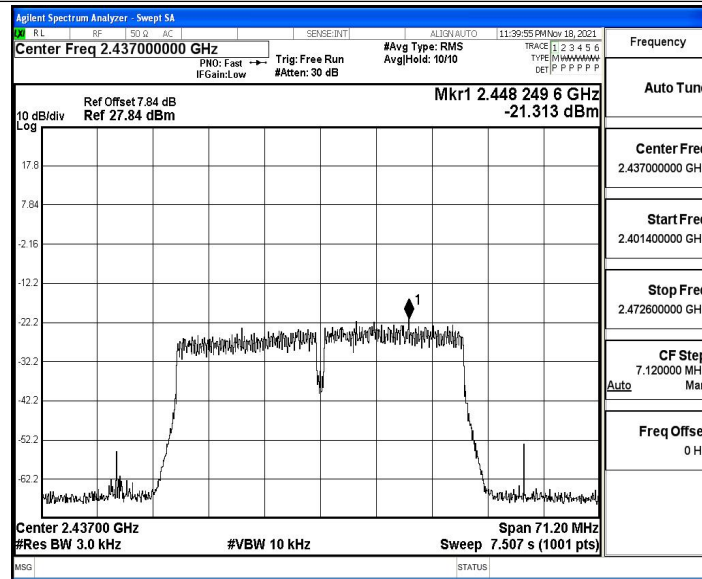
11N20SISO_Ant1_2462



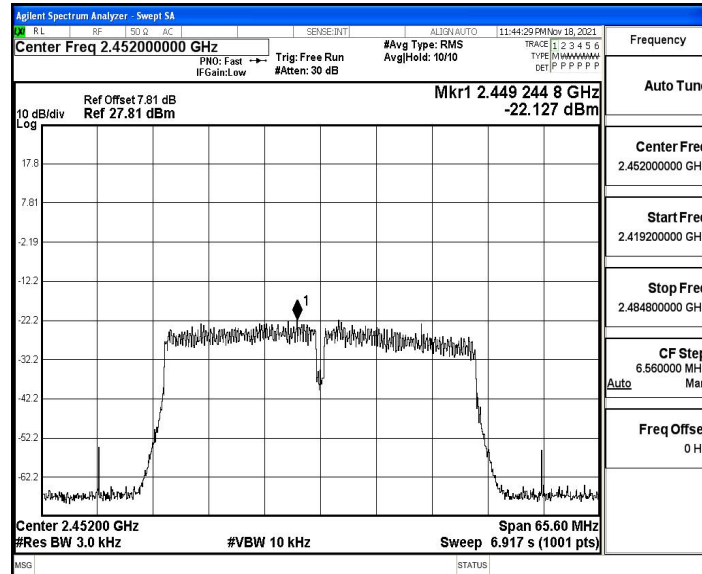
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





B.4 Band edge measurements

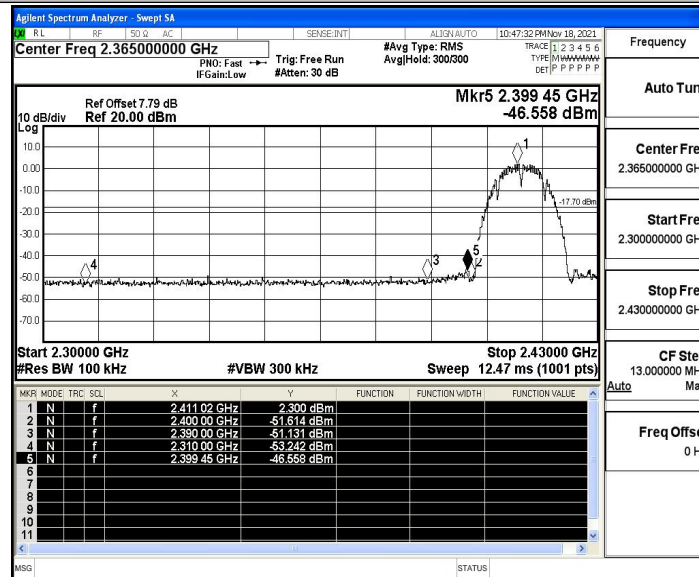
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.30	-46.56	≤ -17.7	PASS
		High	2462	1.54	-48.35	≤ -18.46	PASS
11G	Ant1	Low	2412	-5.66	-48.99	≤ -25.66	PASS
		High	2462	-5.43	-47.38	≤ -25.43	PASS
11N20SISO	Ant1	Low	2412	-5.67	-48.56	≤ -25.67	PASS
		High	2462	-4.98	-47.1	≤ -24.98	PASS
11N40SISO	Ant1	Low	2422	-8.83	-48.32	≤ -28.83	PASS
		High	2452	-7.83	-47.87	≤ -27.83	PASS

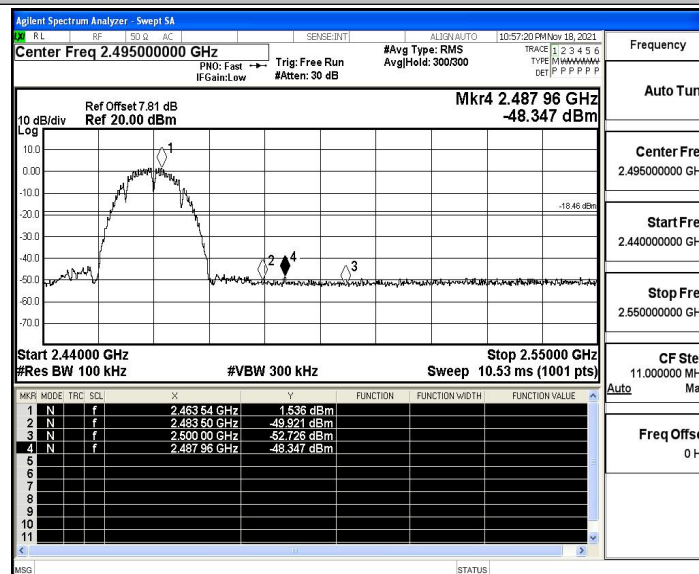


Test Graphs

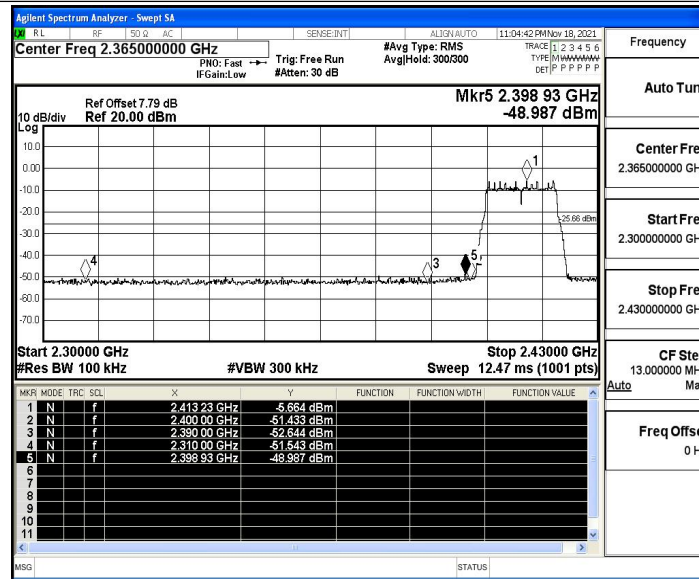
11B_Ant1_Low_2412



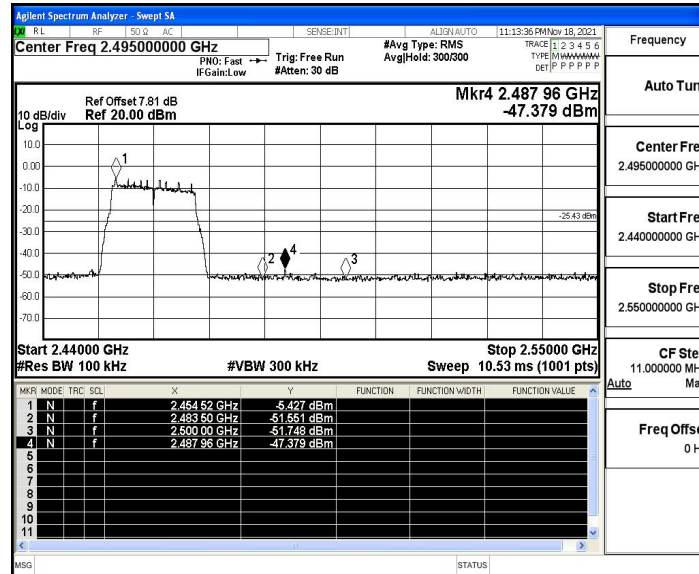
11B_Ant1_High_2462



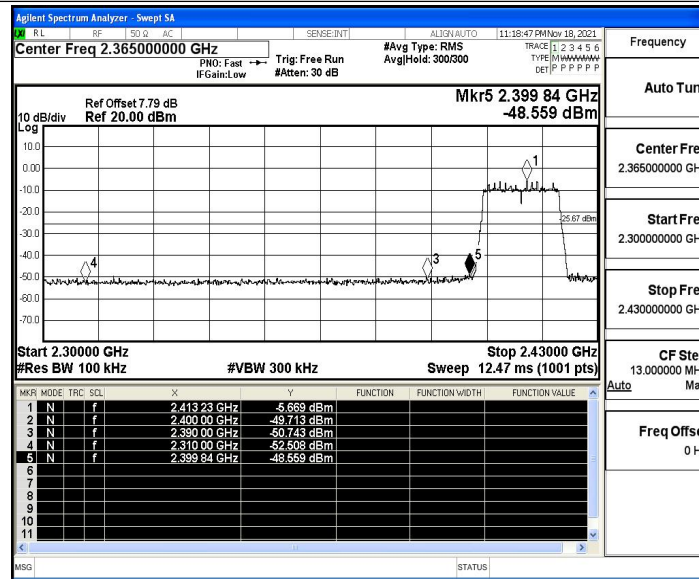
11G_Ant1_Low_2412



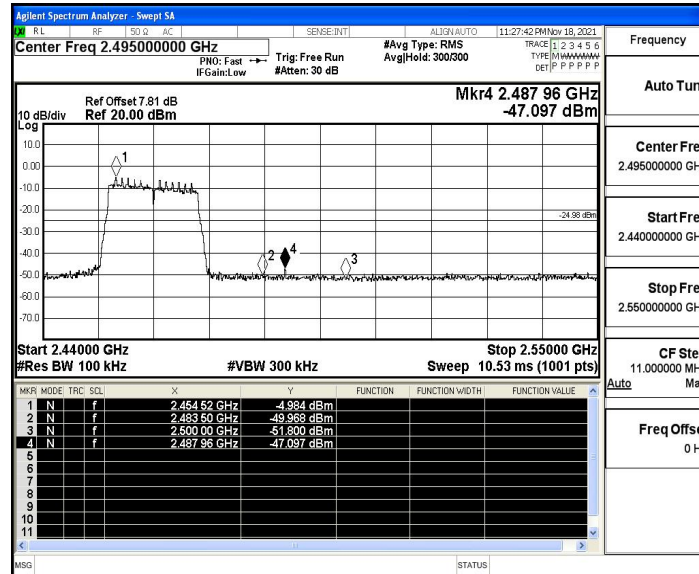
11G_Ant1_High_2462



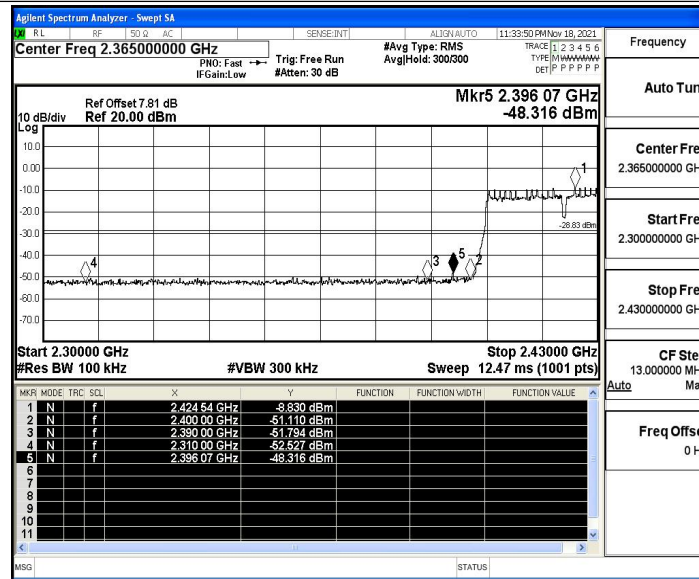
11N20SISO_Ant1_Low_2412



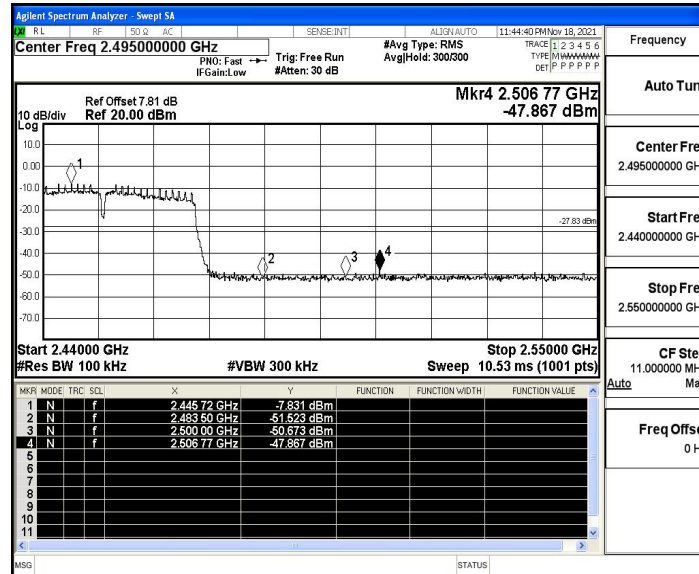
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452





B.5 Conducted Spurious Emission

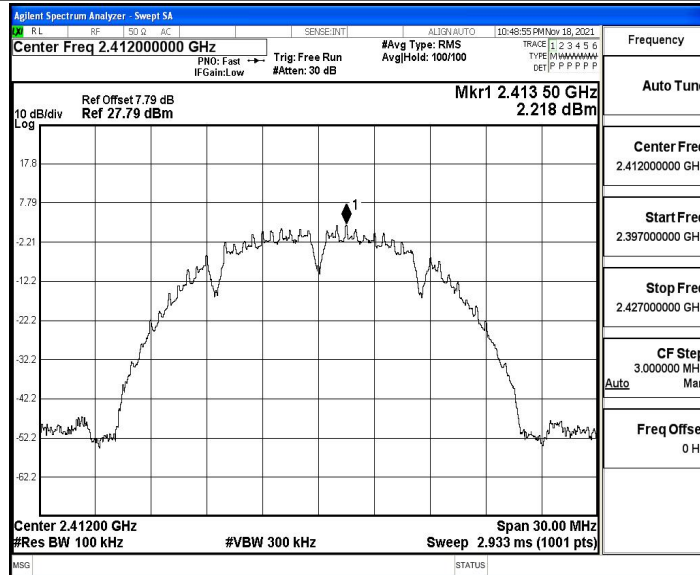
Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.22	2.22	---	PASS
			30~1000	2.22	-61.85	≤-17.78	PASS
			1000~26500	2.22	-45.34	≤-17.78	PASS
		2437	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-61.72	≤-18.14	PASS
			1000~26500	1.86	-47.32	≤-18.14	PASS
		2462	Reference	2.16	2.16	---	PASS
			30~1000	2.16	-62.16	≤-17.85	PASS
			1000~26500	2.16	-46.62	≤-17.85	PASS
11G	Ant1	2412	Reference	-5.56	-5.56	---	PASS
			30~1000	-5.56	-61.9	≤-25.56	PASS
			1000~26500	-5.56	-45.75	≤-25.56	PASS
		2437	Reference	-5.43	-5.43	---	PASS
			30~1000	-5.43	-60.84	≤-25.43	PASS
			1000~26500	-5.43	-47.26	≤-25.43	PASS
		2462	Reference	-5.35	-5.35	---	PASS
			30~1000	-5.35	-61.32	≤-25.35	PASS
			1000~26500	-5.35	-47.18	≤-25.35	PASS
11N20SISO	Ant1	2412	Reference	-6.07	-6.07	---	PASS
			30~1000	-6.07	-60.97	≤-26.07	PASS
			1000~26500	-6.07	-47.4	≤-26.07	PASS
		2437	Reference	-5.46	-5.46	---	PASS
			30~1000	-5.46	-61.45	≤-25.46	PASS
			1000~26500	-5.46	-47.26	≤-25.46	PASS
		2462	Reference	-6.61	-6.61	---	PASS
			30~1000	-6.61	-61.37	≤-26.61	PASS
			1000~26500	-6.61	-47.43	≤-26.61	PASS
11N40SISO	Ant1	2422	Reference	-7.68	-7.68	---	PASS
			30~1000	-7.68	-61.68	≤-27.68	PASS
			1000~26500	-7.68	-46.91	≤-27.68	PASS
		2437	Reference	-7.98	-7.98	---	PASS
			30~1000	-7.98	-61.46	≤-27.98	PASS
			1000~26500	-7.98	-46.81	≤-27.98	PASS
		2452	Reference	-7.84	-7.84	---	PASS
			30~1000	-7.84	-60.97	≤-27.84	PASS
			1000~26500	-7.84	-46.87	≤-27.84	PASS

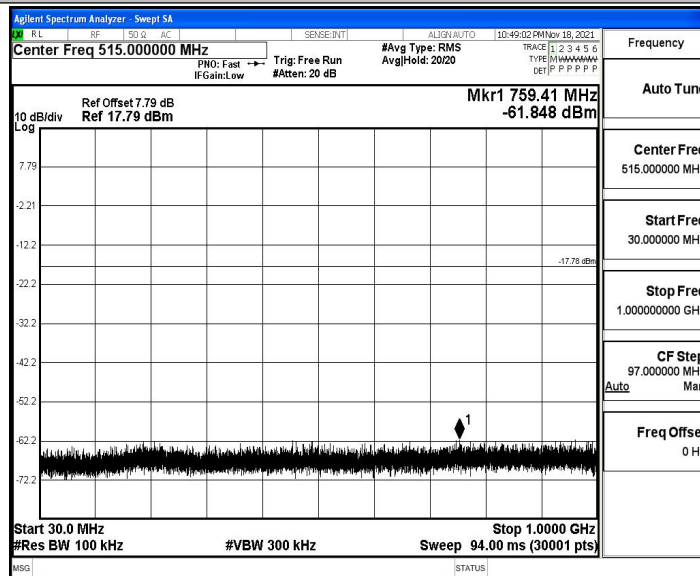


Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500