



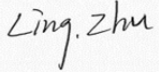
Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Remote control

Test Model: RM-RX1

Environmental Conditions

Temperature:	23.7℃
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	 Ling Zhu
Supervised by:	 Li Huan



C.1 DTS Bandwidth

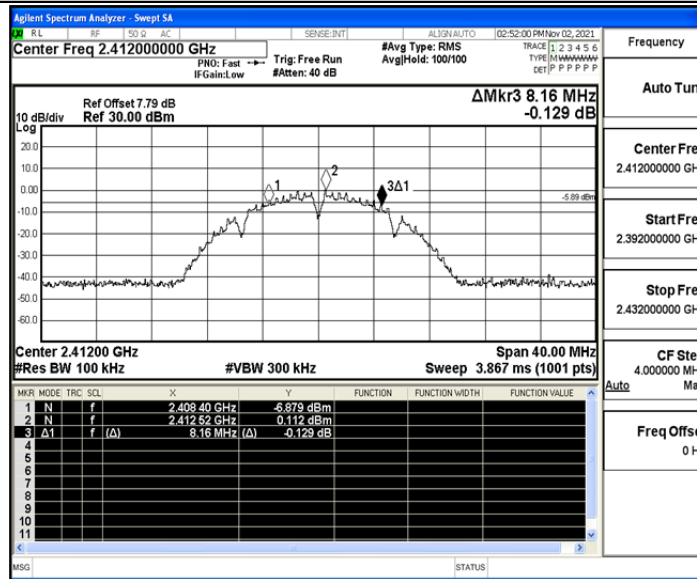
Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.160	2408.400	2416.560	0.5	PASS
		2437	8.120	2431.960	2440.080	0.5	PASS
		2462	7.600	2458.480	2466.080	0.5	PASS
11G	Ant1	2412	16.560	2403.720	2420.280	0.5	PASS
		2437	13.280	2428.800	2442.080	0.5	PASS
		2462	13.280	2456.920	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.840	2403.120	2420.960	0.5	PASS
		2437	15.320	2428.200	2443.520	0.5	PASS
		2462	12.960	2457.560	2470.520	0.5	PASS
11N40SISO	Ant1	2422	23.440	2416.560	2440.000	0.5	PASS
		2437	18.480	2425.640	2444.120	0.5	PASS
		2452	36.560	2433.680	2470.240	0.5	PASS

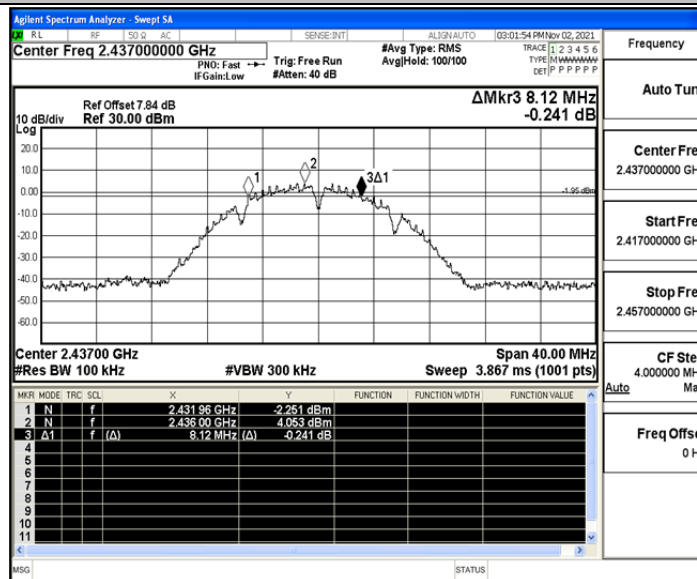


Test Graphs

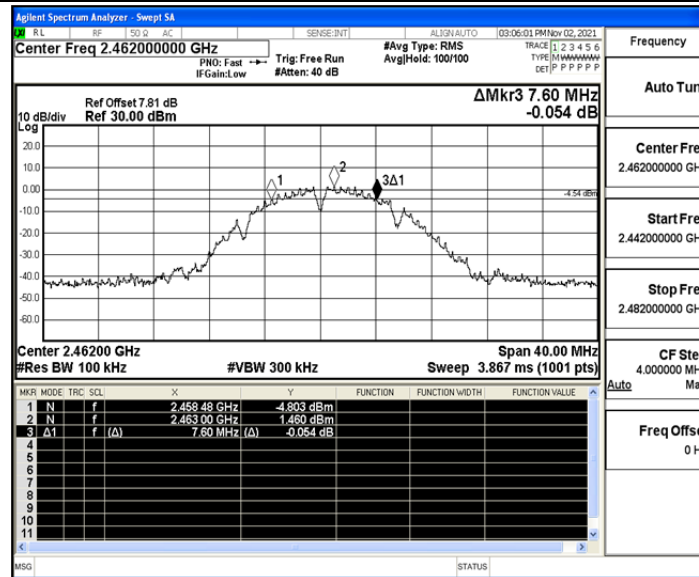
11B_Ant1_2412



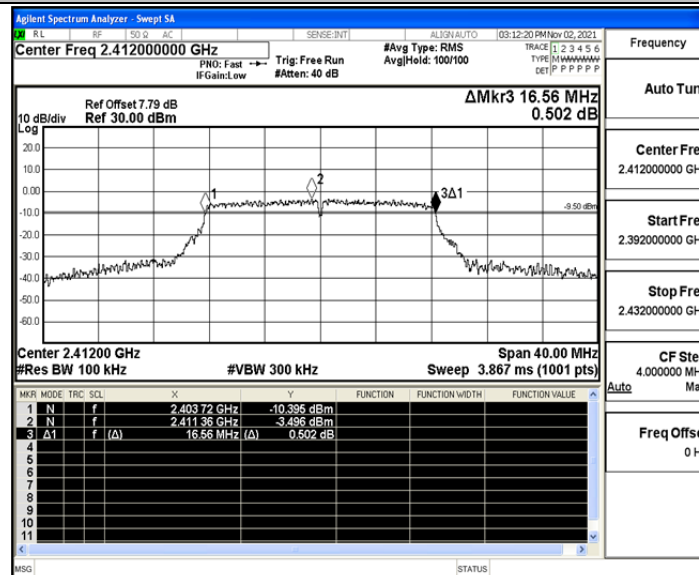
11B_Ant1_2437



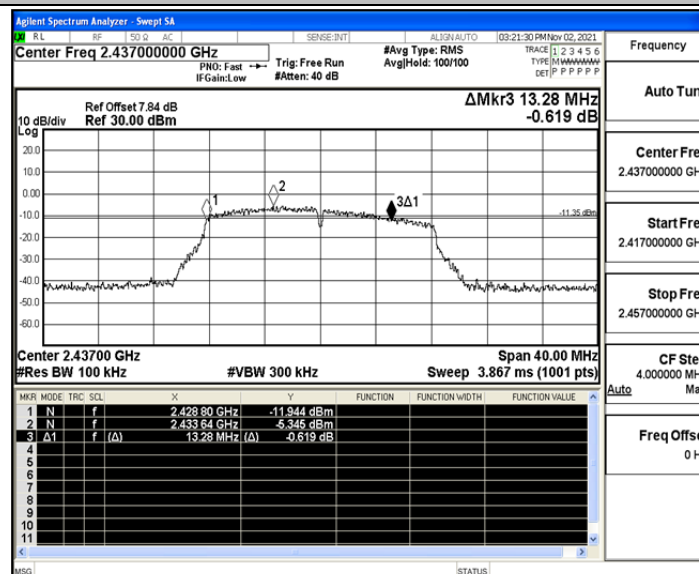
11B_Ant1_2462



11G_Ant1_2412

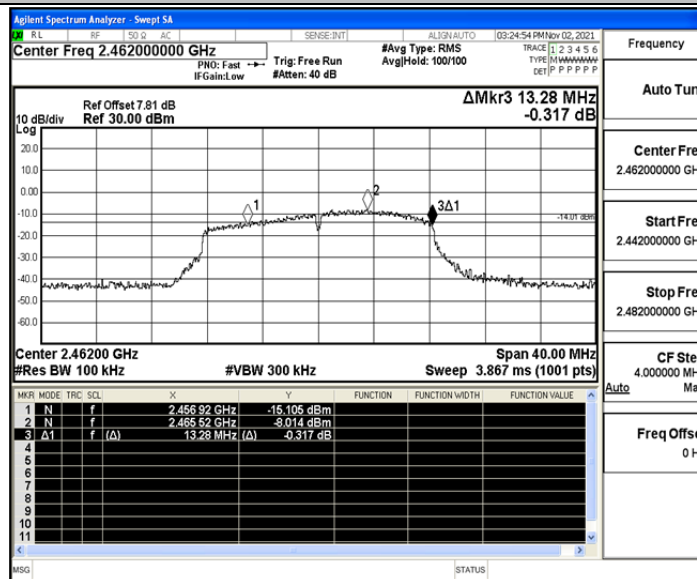


11G_Ant1_2437

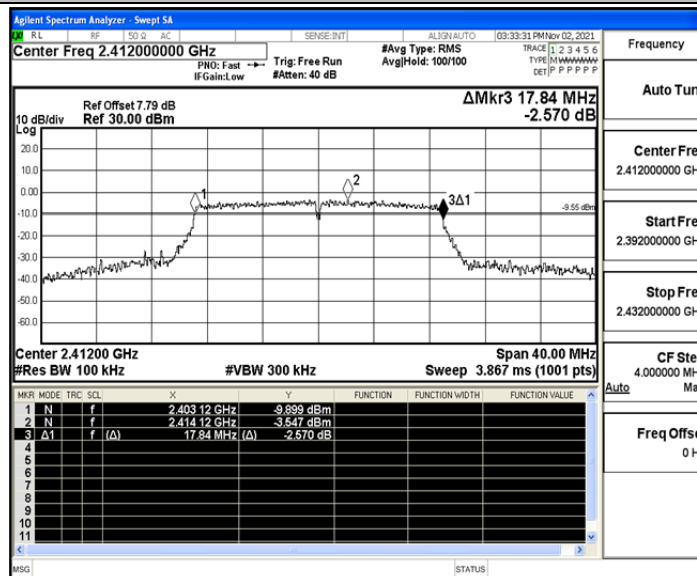




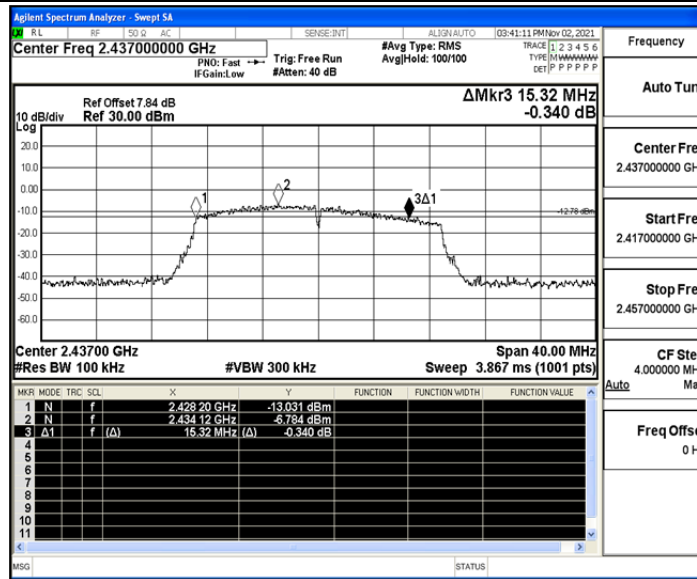
11G_Ant1_2462



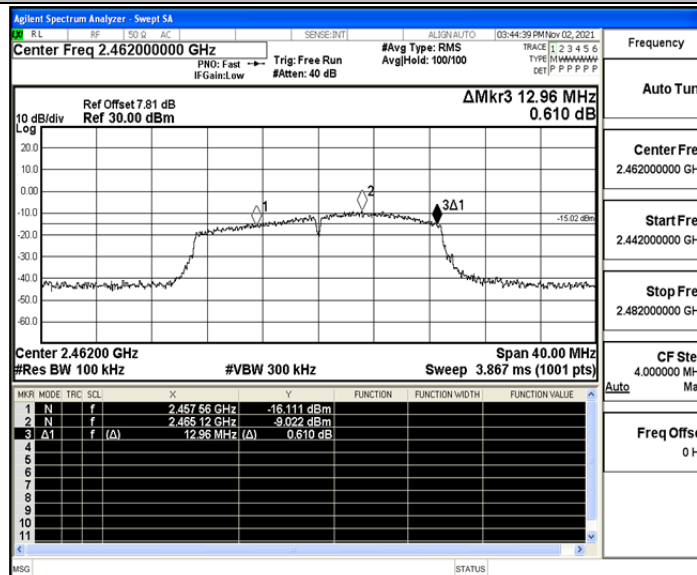
11N20SISO_Ant1_2412



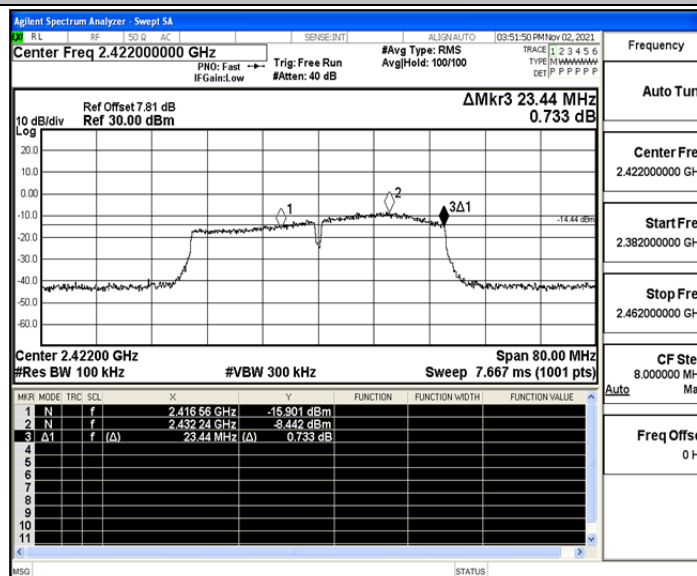
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

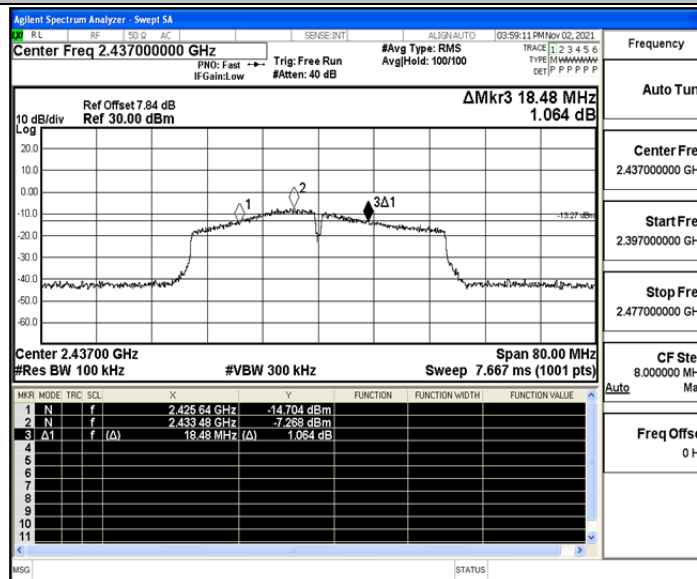


11N40SISO_Ant1_2422

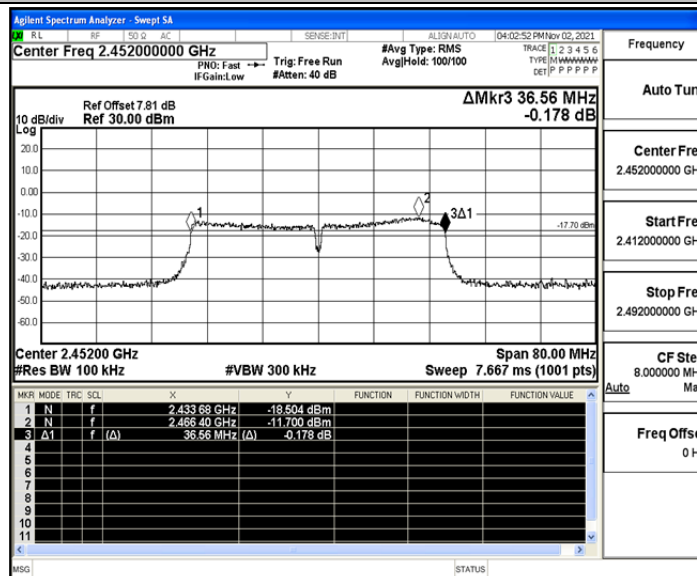




11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





C.2 Maximum peak conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	17.45	≤30	PASS
		2437	16.08	≤30	PASS
		2462	13.35	≤30	PASS
11G	Ant1	2412	18.00	≤30	PASS
		2437	18.11	≤30	PASS
		2462	15.13	≤30	PASS
11N20SISO	Ant1	2412	17.92	≤30	PASS
		2437	17.76	≤30	PASS
		2462	14.81	≤30	PASS
11N40SISO	Ant1	2422	20.90	≤30	PASS
		2437	17.63	≤30	PASS
		2452	18.39	≤30	PASS



C.3 Maximum power spectral density

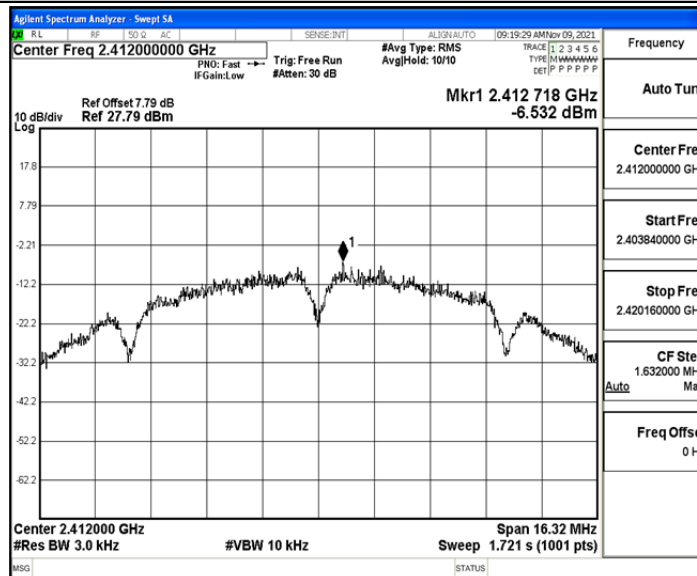
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.53	≤8	PASS
		2437	-9.77	≤8	PASS
		2462	-11.18	≤8	PASS
11G	Ant1	2412	-14.07	≤8	PASS
		2437	-13.04	≤8	PASS
		2462	-15.15	≤8	PASS
11N20SISO	Ant1	2412	-14.62	≤8	PASS
		2437	-13.77	≤8	PASS
		2462	-15.11	≤8	PASS
11N40SISO	Ant1	2422	-10.69	≤8	PASS
		2437	-15.21	≤8	PASS
		2452	-15.16	≤8	PASS

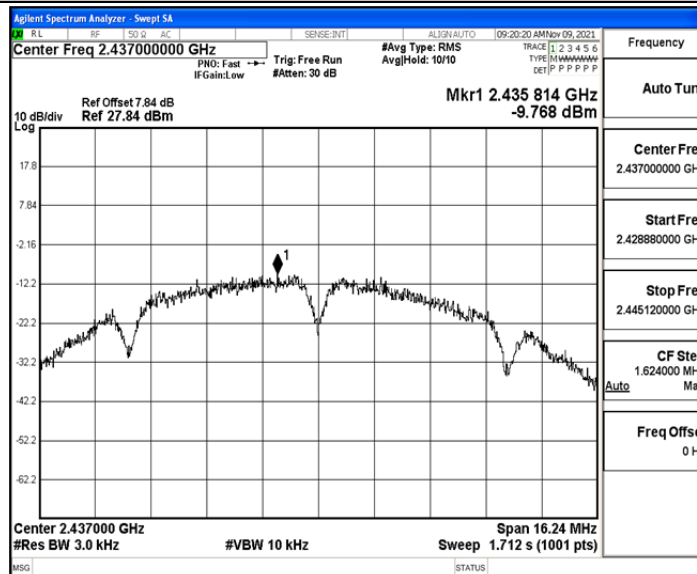


Test Graphs

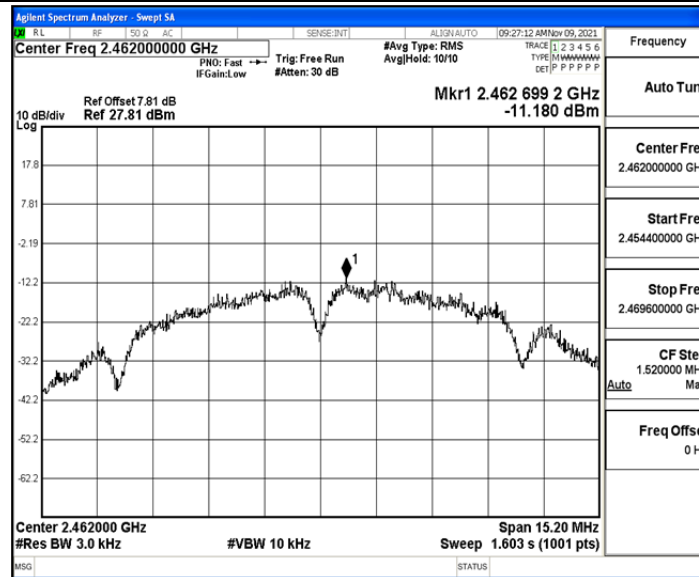
11B_Ant1_2412



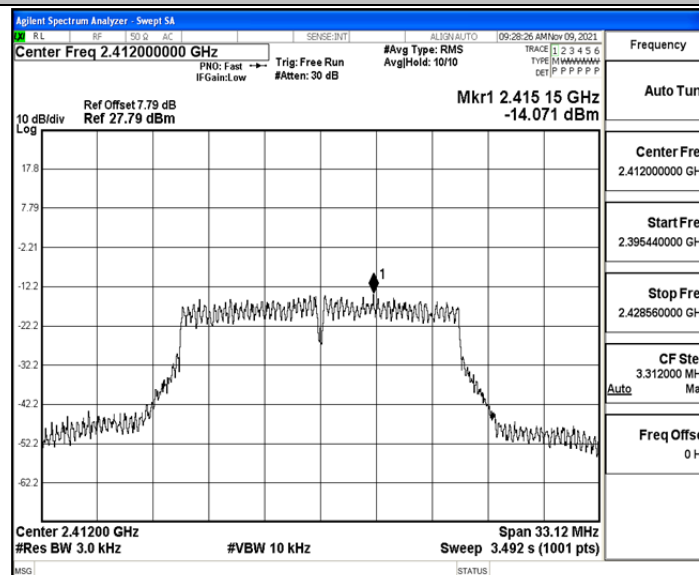
11B_Ant1_2437



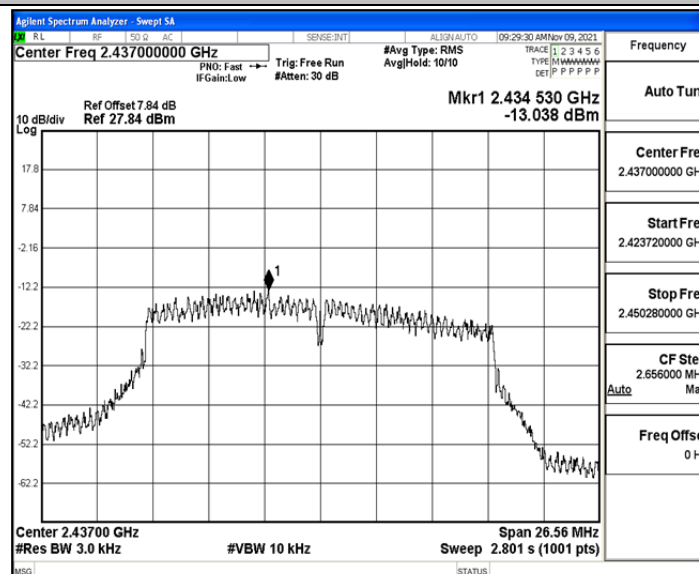
11B_Ant1_2462



11G_Ant1_2412

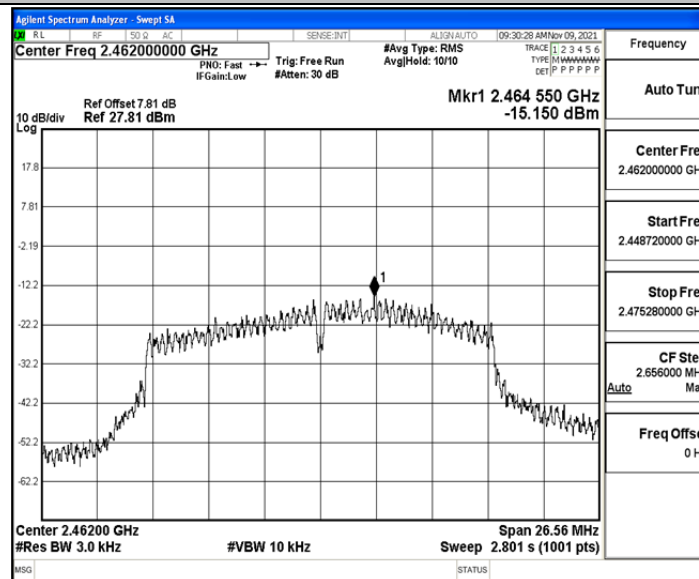


11G_Ant1_2437

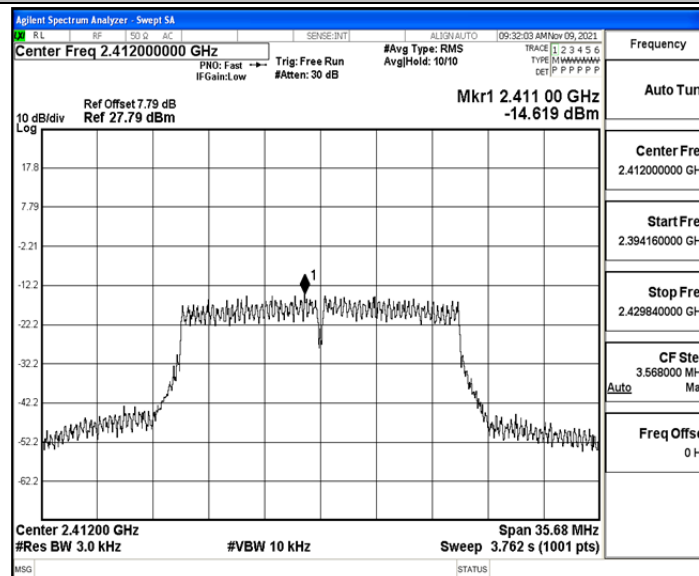




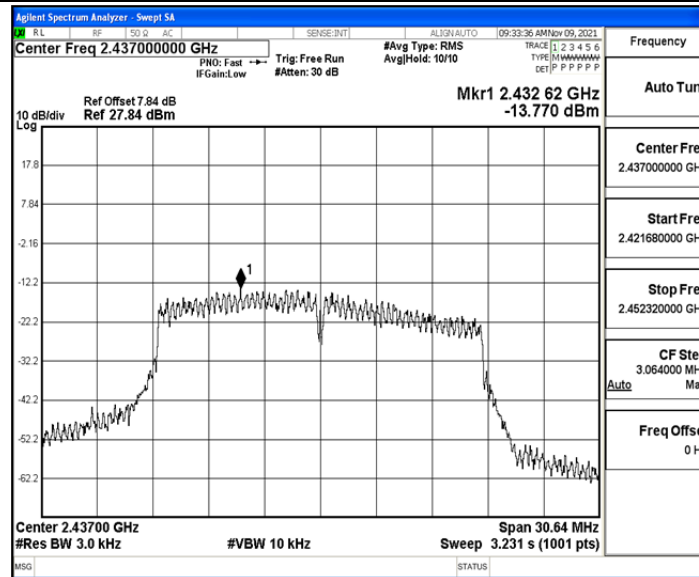
11G_Ant1_2462



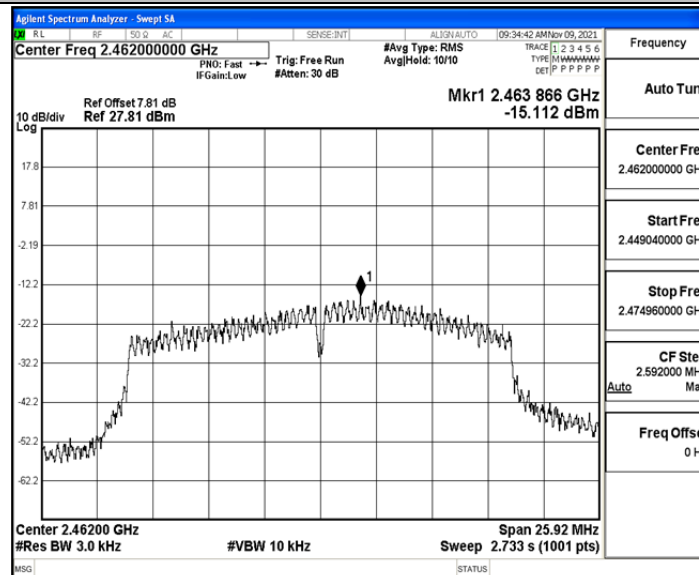
11N20SISO_Ant1_2412



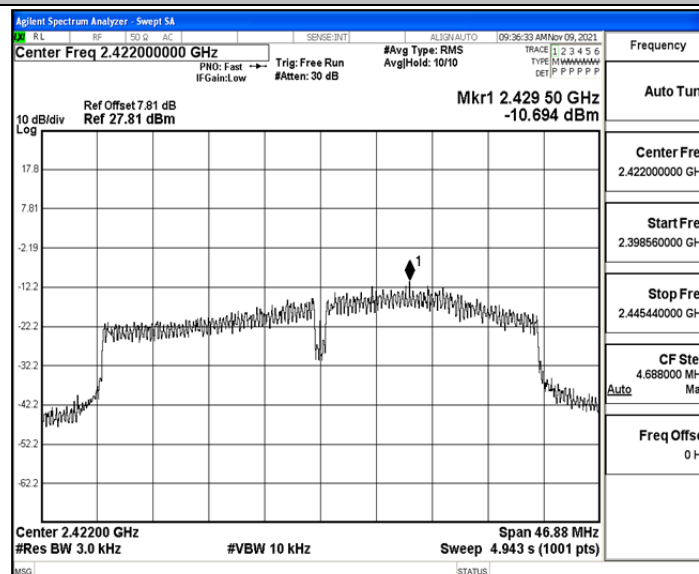
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

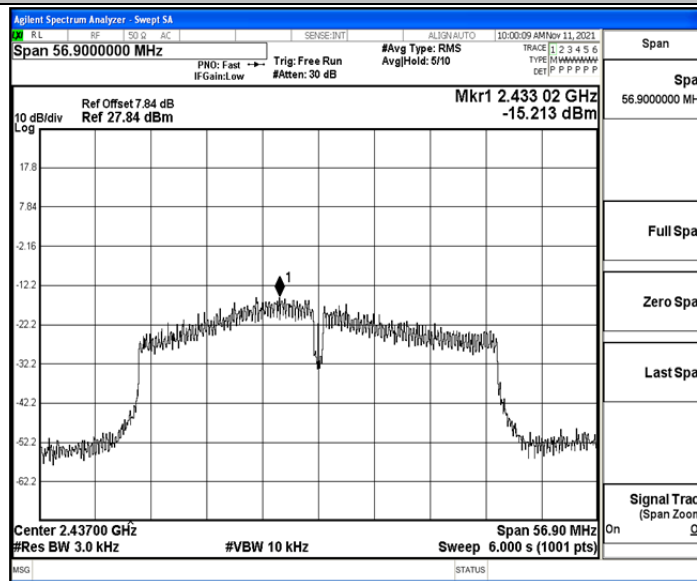


11N40SISO_Ant1_2422

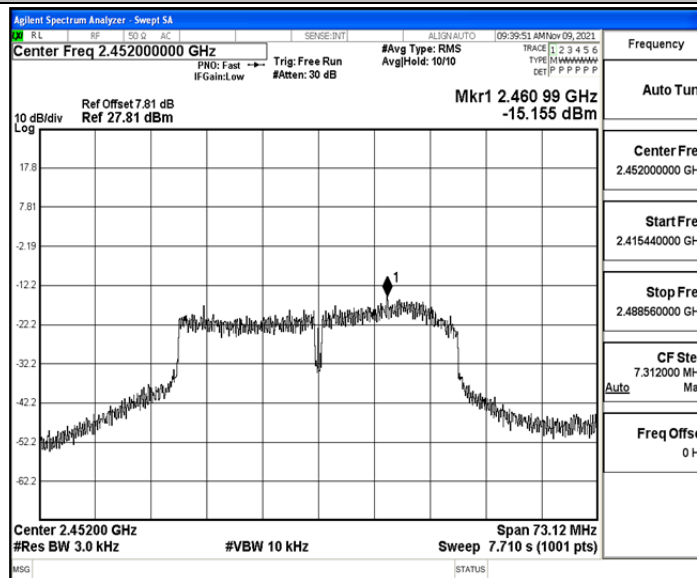




11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





C.4 Band edge measurements

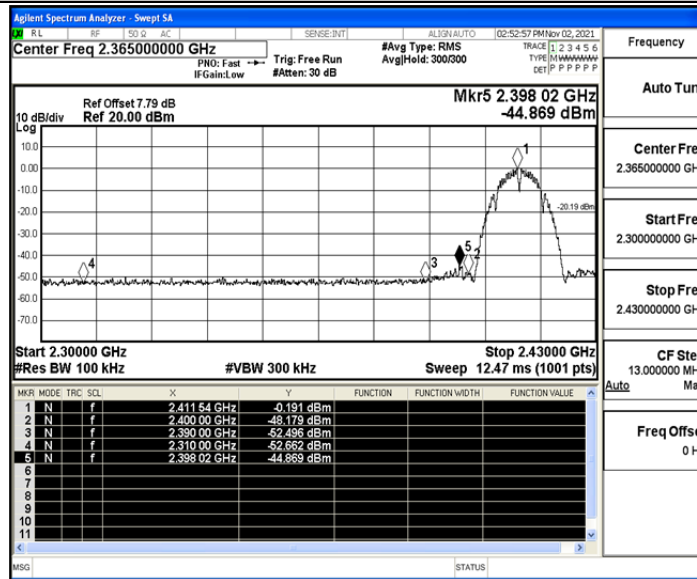
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-0.19	-44.87	≤ -20.19	PASS
		High	2462	2.76	-39.62	≤ -17.24	PASS
11G	Ant1	Low	2412	-6.68	-40.84	≤ -26.68	PASS
		High	2462	-5.60	-39.84	≤ -25.6	PASS
11N20SISO	Ant1	Low	2412	-6.88	-38.59	≤ -26.88	PASS
		High	2462	-5.58	-47.46	≤ -25.58	PASS
11N40SISO	Ant1	Low	2422	-8.96	-43.57	≤ -28.96	PASS
		High	2452	-8.94	-31.46	≤ -28.94	PASS

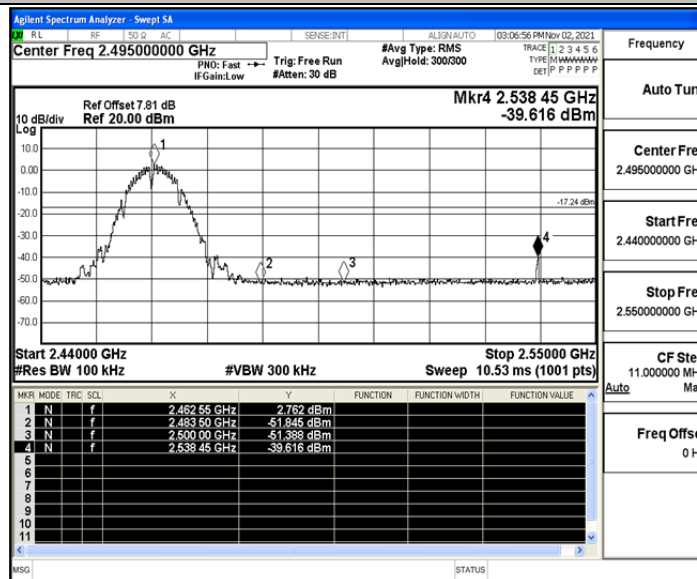


Test Graphs

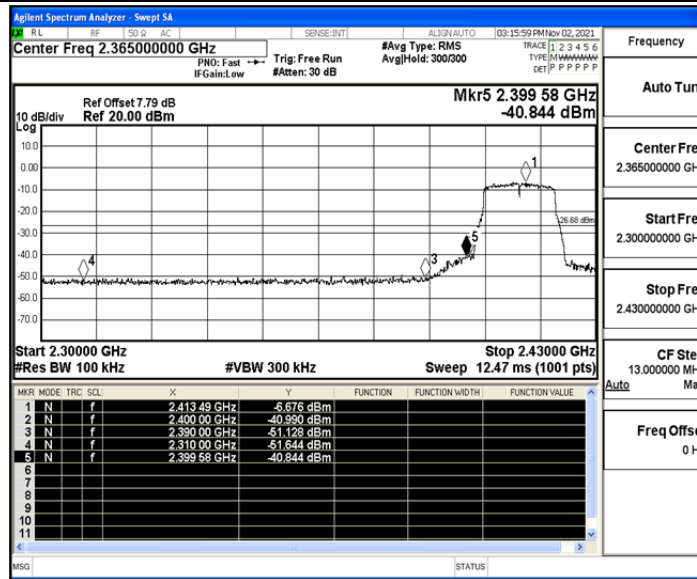
11B_Ant1_Low_2412



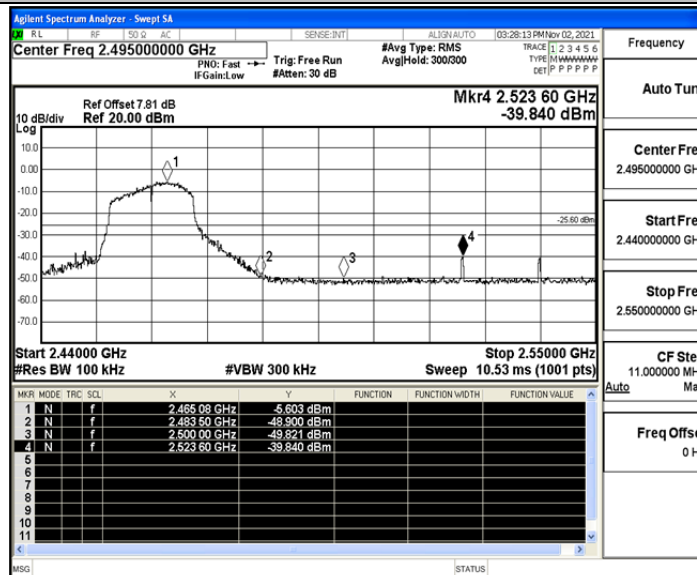
11B_Ant1_High_2462



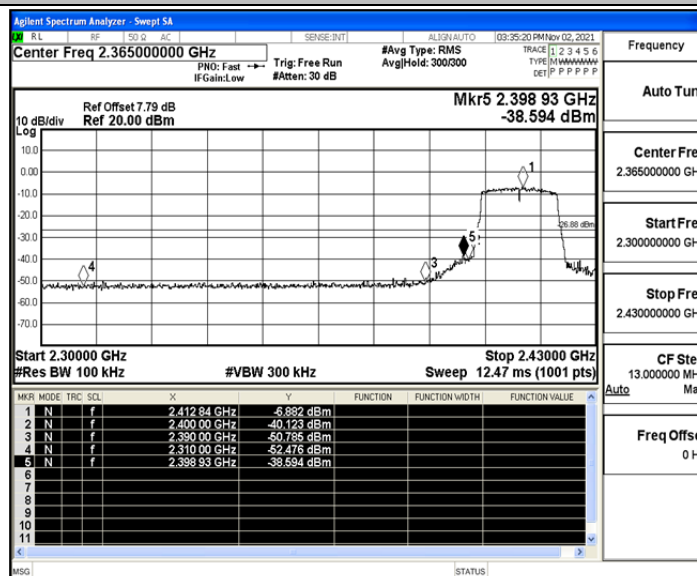
11G_Ant1_Low_2412



11G_Ant1_High_2462

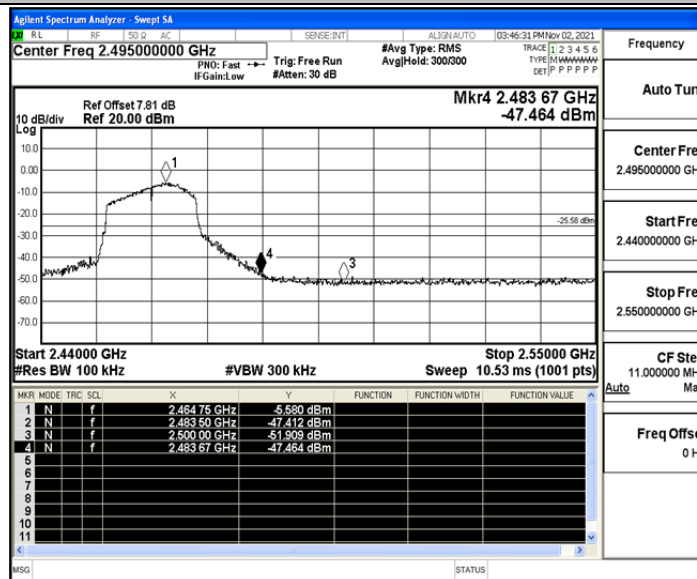


11N20SISO_Ant1_Low_2412

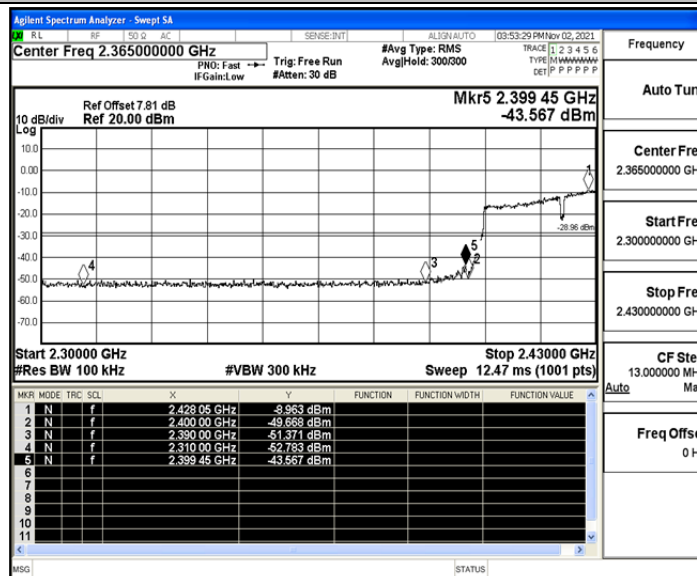




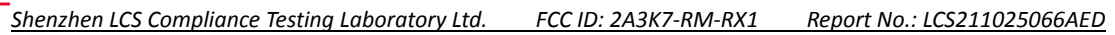
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452





C.5 Conducted Spurious Emission

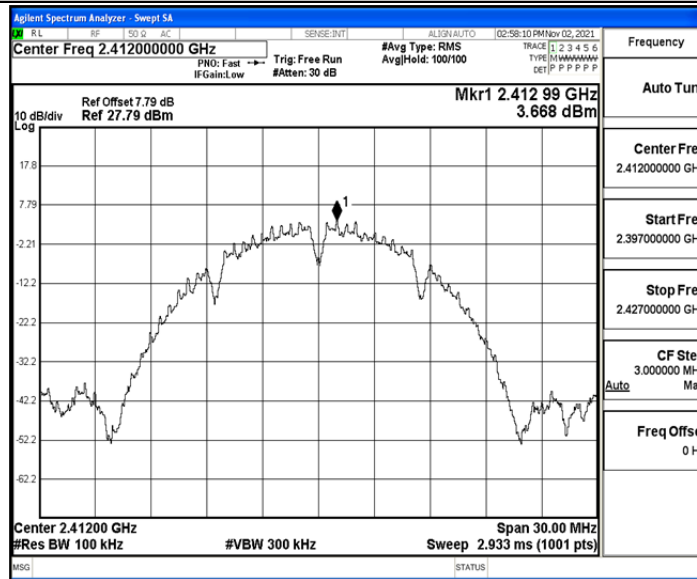
Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.67	3.67	---	PASS
			30~1000	3.67	-61.7	≤ -16.33	PASS
			1000~26500	3.67	-47.55	≤ -16.33	PASS
		2437	Reference	4.37	4.37	---	PASS
			30~1000	4.37	-61.51	≤ -15.63	PASS
			1000~26500	4.37	-47.39	≤ -15.63	PASS
		2462	Reference	2.65	2.65	---	PASS
			30~1000	2.65	-62.09	≤ -17.35	PASS
			1000~26500	2.65	-47.15	≤ -17.35	PASS
11G	Ant1	2412	Reference	-7.24	-7.24	---	PASS
			30~1000	-7.24	-62.05	≤ -27.24	PASS
			1000~26500	-7.24	-46.72	≤ -27.24	PASS
		2437	Reference	-5.76	-5.76	---	PASS
			30~1000	-5.76	-62.09	≤ -25.76	PASS
			1000~26500	-5.76	-47.01	≤ -25.76	PASS
		2462	Reference	-5.45	-5.45	---	PASS
			30~1000	-5.45	-61.78	≤ -25.45	PASS
			1000~26500	-5.45	-45.08	≤ -25.45	PASS
11N20SISO	Ant1	2412	Reference	-6.65	-6.65	---	PASS
			30~1000	-6.65	-60.89	≤ -26.65	PASS
			1000~26500	-6.65	-46.47	≤ -26.65	PASS
		2437	Reference	-7.07	-7.07	---	PASS
			30~1000	-7.07	-61.81	≤ -27.07	PASS
			1000~26500	-7.07	-46.85	≤ -27.07	PASS
		2462	Reference	-6.21	-6.21	---	PASS
			30~1000	-6.21	-60.55	≤ -26.21	PASS
			1000~26500	-6.21	-47.55	≤ -26.21	PASS
11N40SISO	Ant1	2422	Reference	-8.51	-8.51	---	PASS
			30~1000	-8.51	-61.15	≤ -28.51	PASS
			1000~26500	-8.51	-46.46	≤ -28.51	PASS
		2437	Reference	-8.04	-8.04	---	PASS
			30~1000	-8.04	-61.52	≤ -28.04	PASS
			1000~26500	-8.04	-47.29	≤ -28.04	PASS
		2452	Reference	-8.86	-8.86	---	PASS
			30~1000	-8.86	-60.43	≤ -28.86	PASS
			1000~26500	-8.86	-47.38	≤ -28.86	PASS

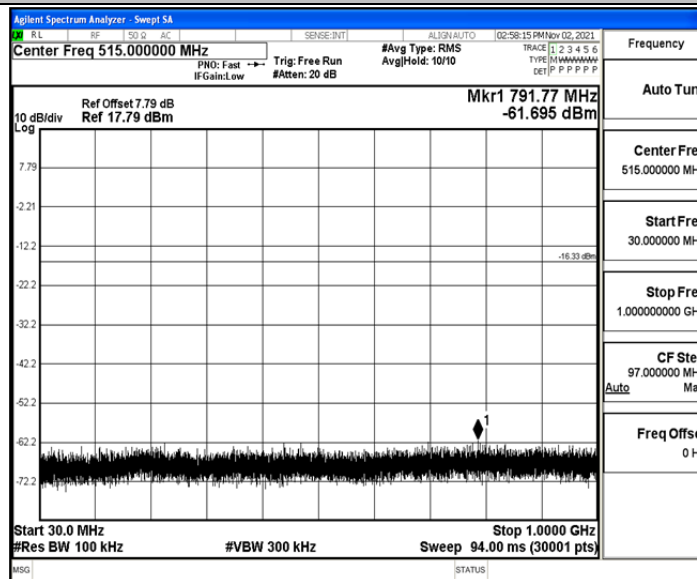


Test Graphs

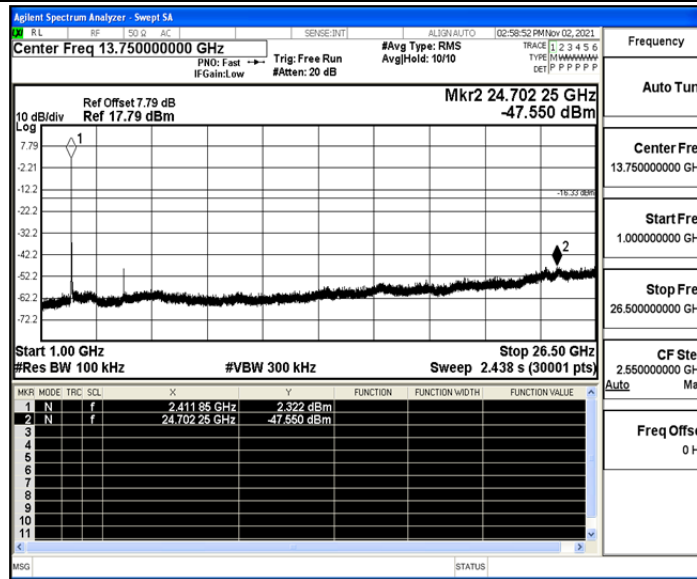
11B_Ant1_2412_0~Reference



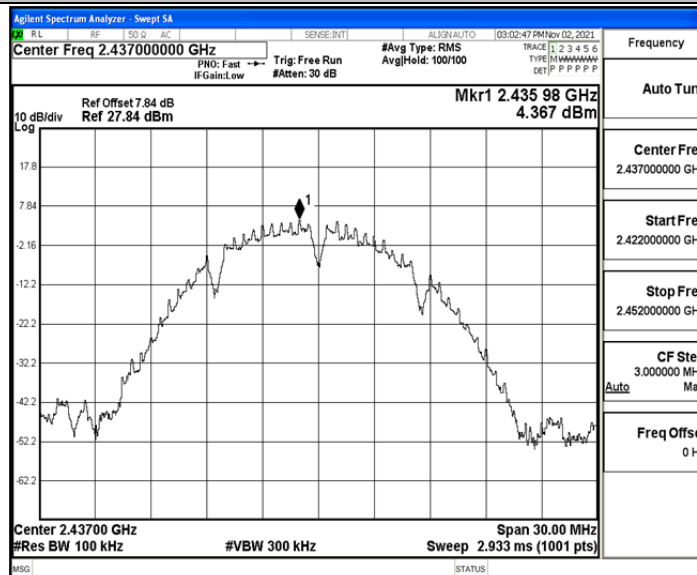
11B_Ant1_2412_30~1000



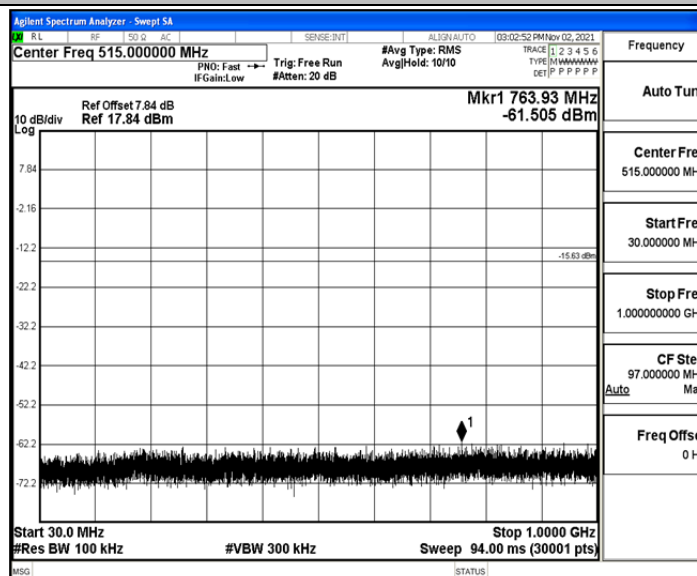
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference

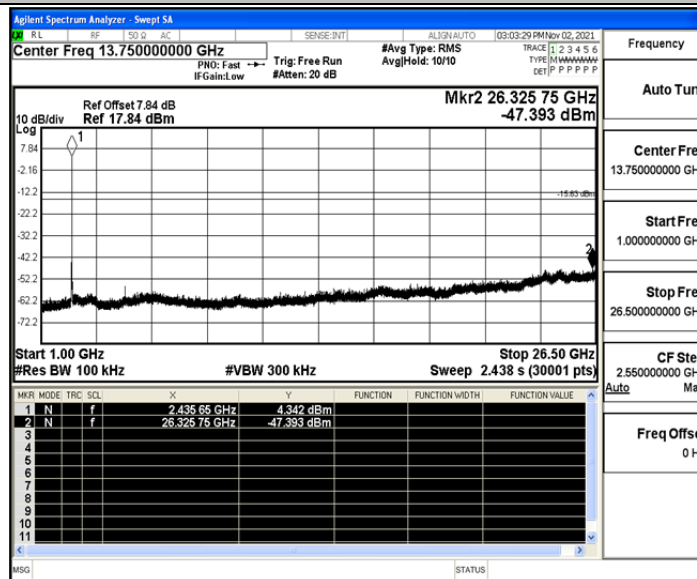


11B_Ant1_2437_30~1000

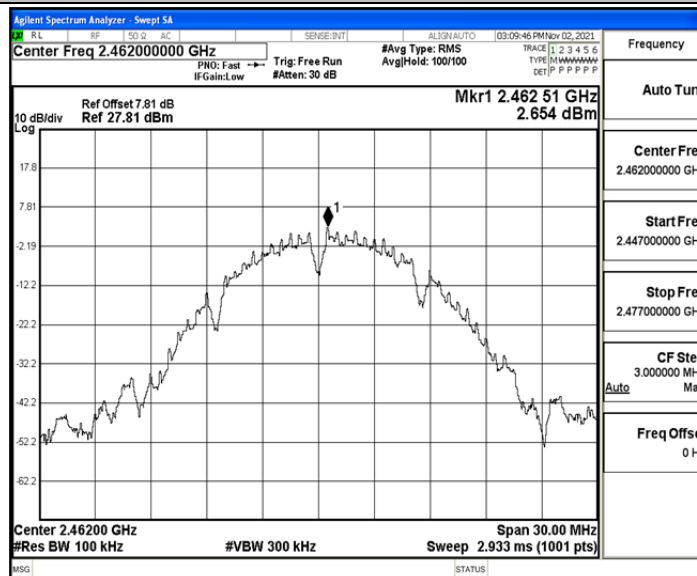




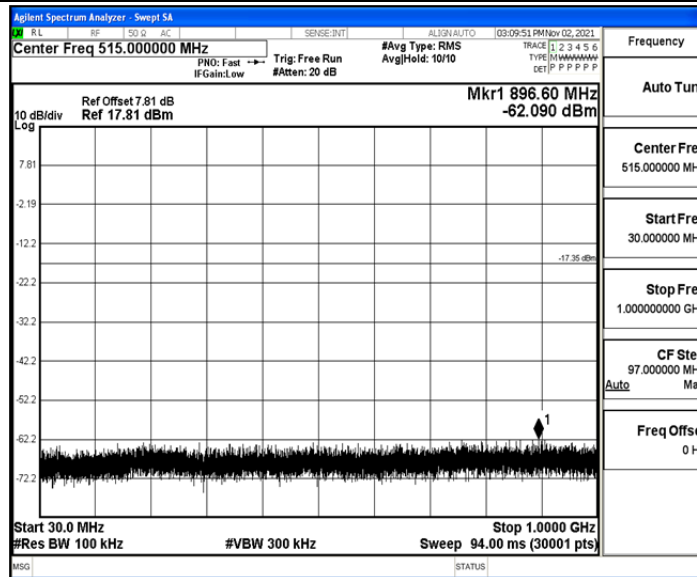
11B_Ant1_2437_1000~26500



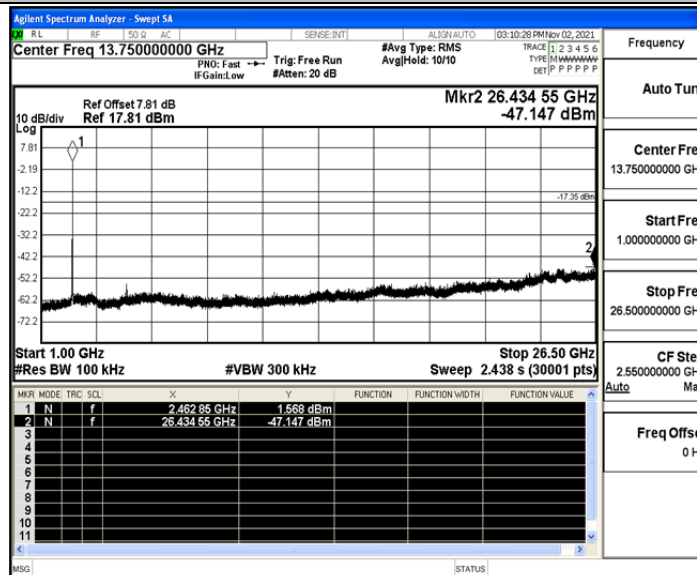
11B_Ant1_2462_0~Reference



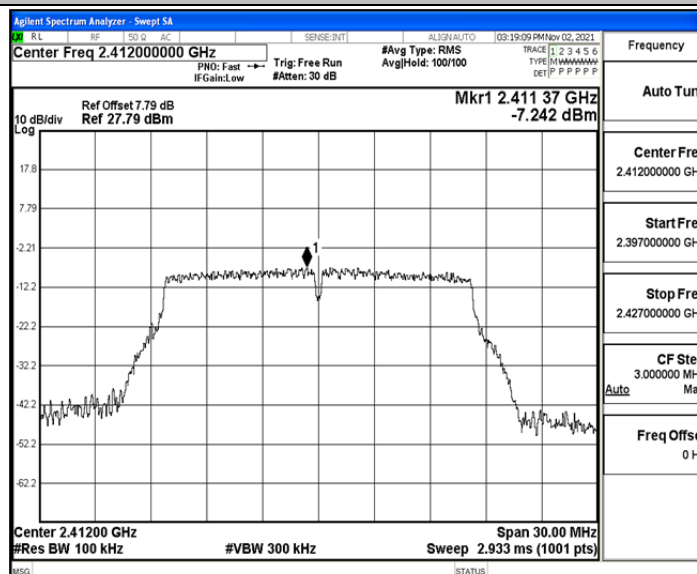
11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500

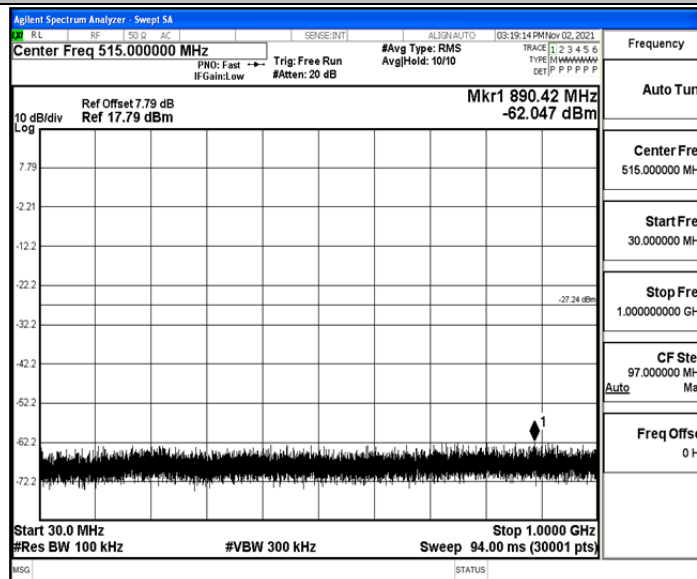


11G_Ant1_2412_0~Reference

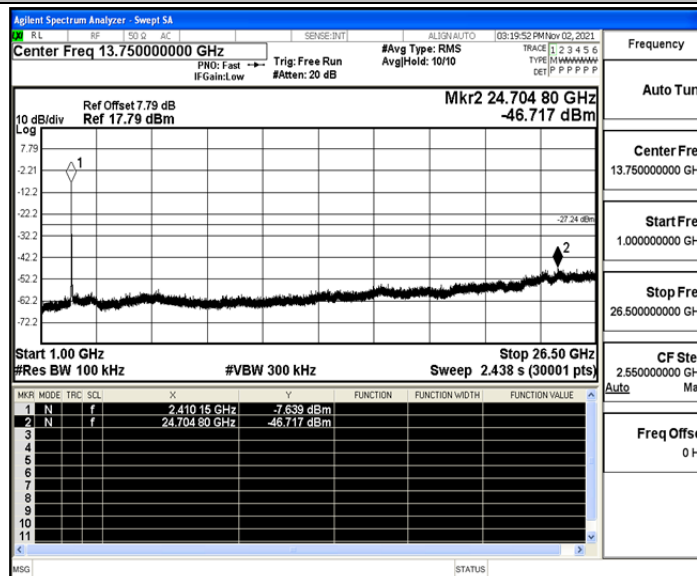




11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference