



Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: InkPad Lite

Trade Mark: PocketBook

Test Model: PB970

Environmental Conditions

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



Appendix A.1: DTS Bandwidth

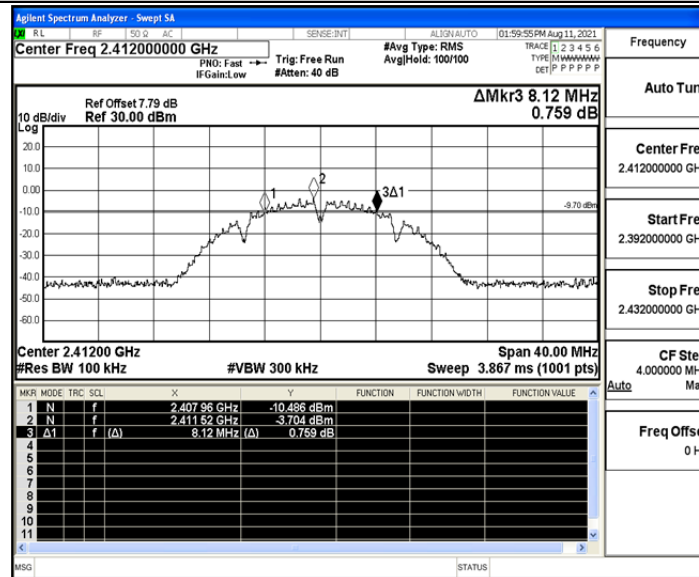
Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.120	2407.960	2416.080	0.5	PASS
		2437	8.640	2432.440	2441.080	0.5	PASS
		2462	8.640	2457.440	2466.080	0.5	PASS
11G	Ant1	2412	12.200	2404.440	2416.640	0.5	PASS
		2437	10.200	2431.960	2442.160	0.5	PASS
		2462	8.120	2457.840	2465.960	0.5	PASS
11N20SISO	Ant1	2412	8.760	2408.240	2417.000	0.5	PASS
		2437	10.200	2431.880	2442.080	0.5	PASS
		2462	11.400	2455.680	2467.080	0.5	PASS

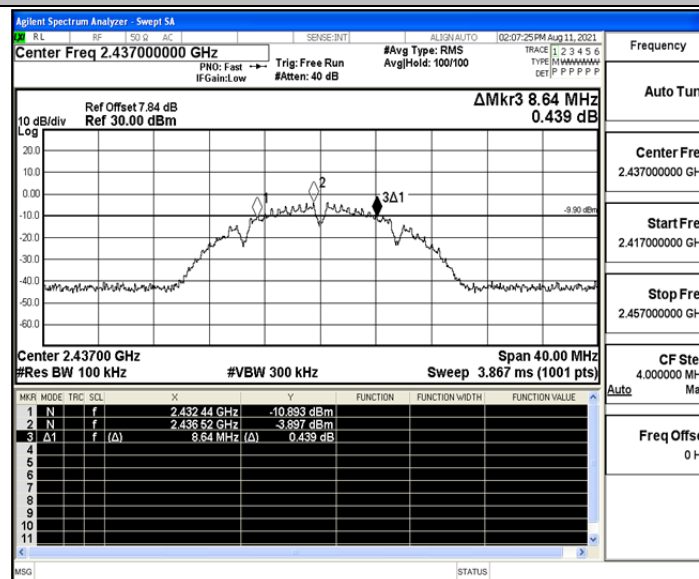


Test Graphs

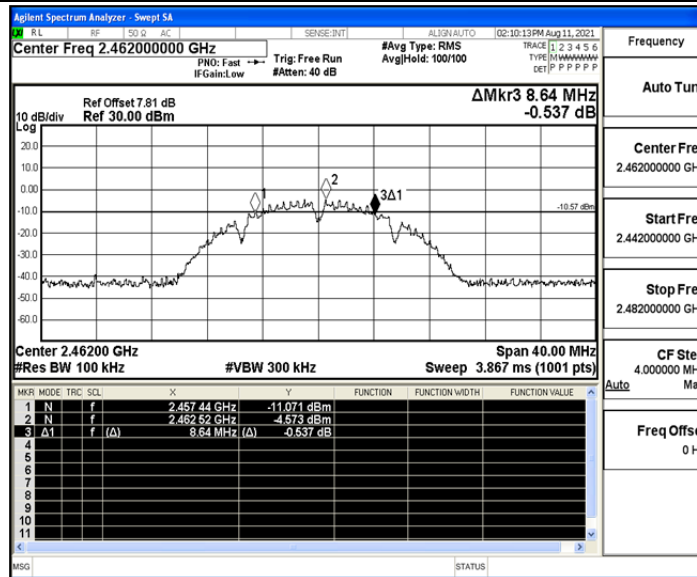
11B_Ant1_2412



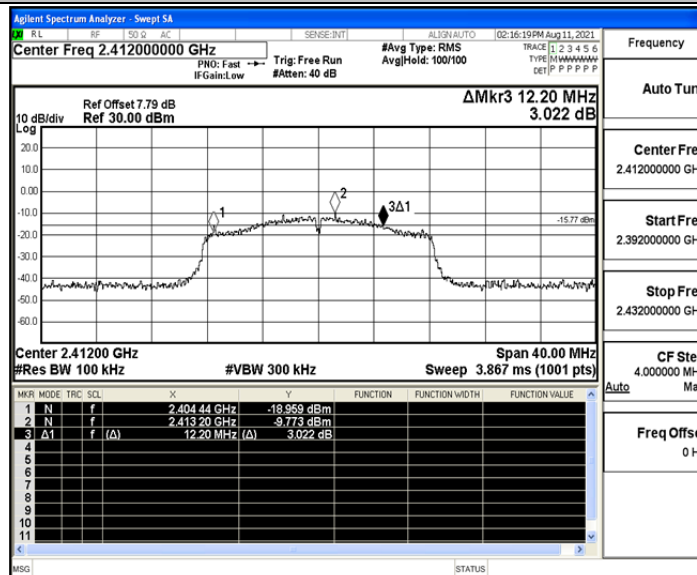
11B_Ant1_2437



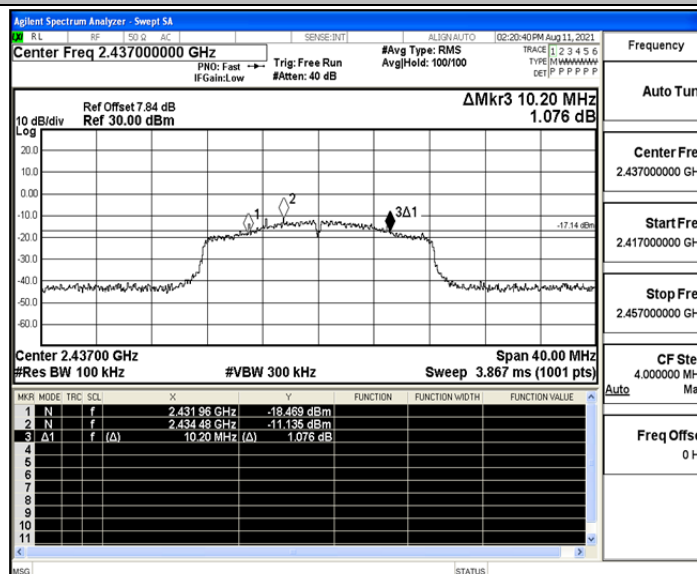
11B_Ant1_2462



11G_Ant1_2412

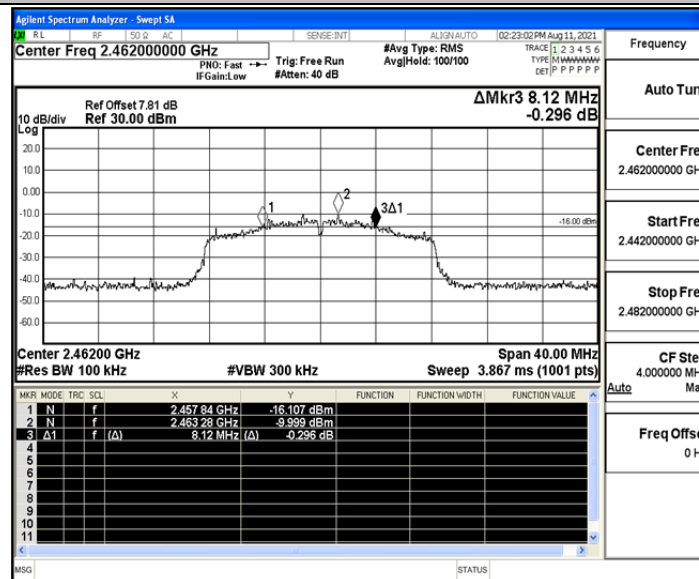


11G_Ant1_2437

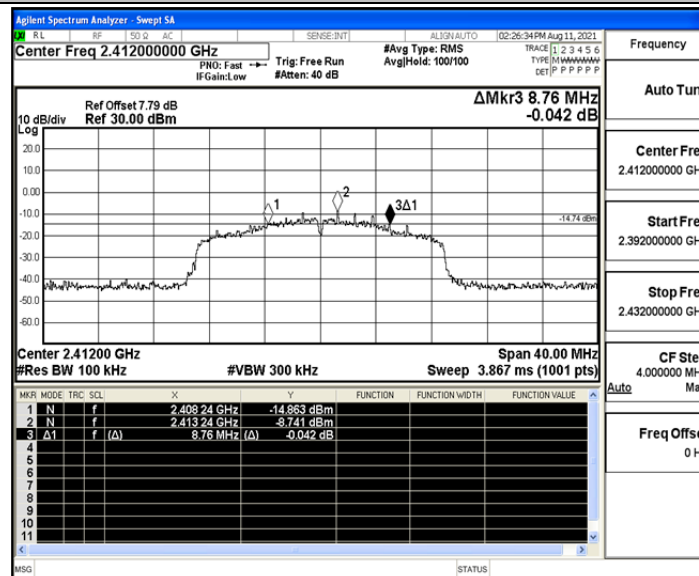




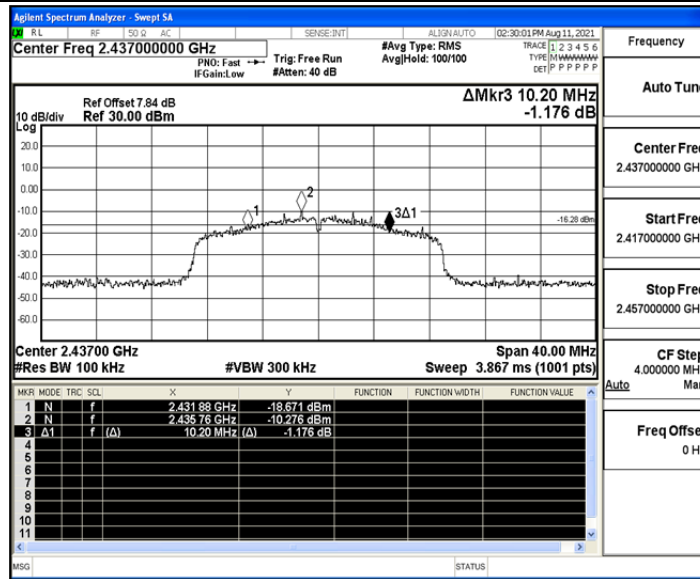
11G_Ant1_2462



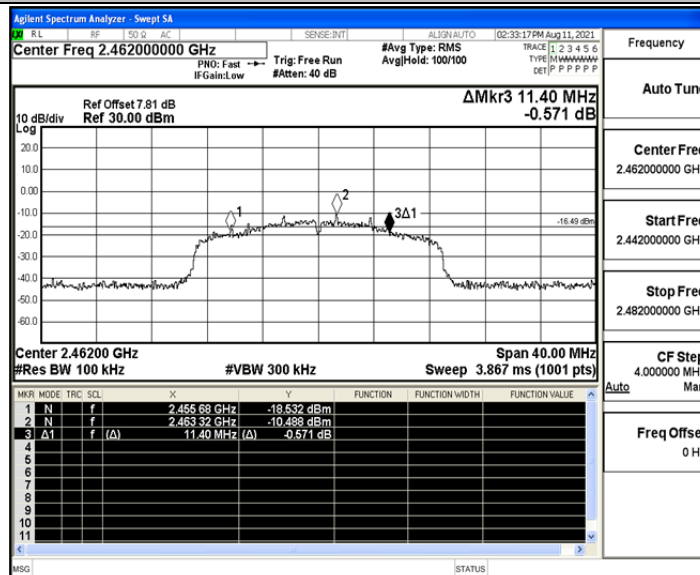
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462





Appendix A.2: Maximum peak conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	8.06	≤ 30	PASS
		2437	7.88	≤ 30	PASS
		2462	7.66	≤ 30	PASS
11G	Ant1	2412	7.71	≤ 30	PASS
		2437	7.32	≤ 30	PASS
		2462	6.65	≤ 30	PASS
11N20SISO	Ant1	2412	7.21	≤ 30	PASS
		2437	6.85	≤ 30	PASS
		2462	6.27	≤ 30	PASS



Appendix A.3: Maximum power spectral density

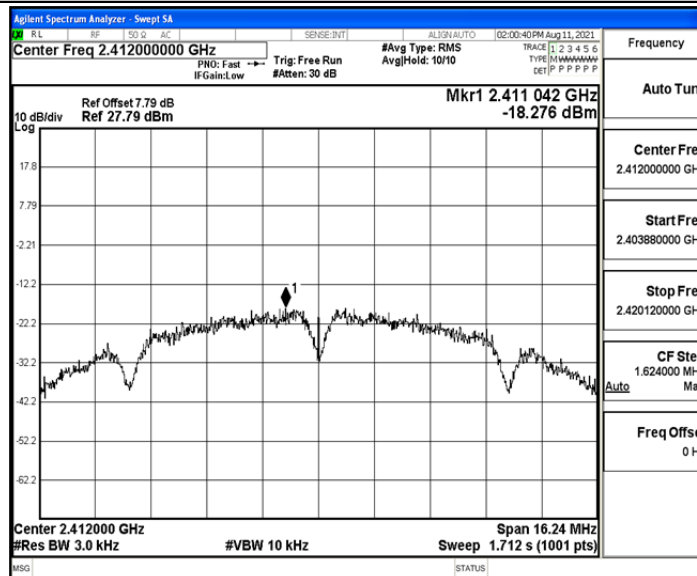
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-18.28	≤8	PASS
		2437	-18.19	≤8	PASS
		2462	-19.06	≤8	PASS
11G	Ant1	2412	-24.24	≤8	PASS
		2437	-24.55	≤8	PASS
		2462	-25.21	≤8	PASS
11N20SISO	Ant1	2412	-23.56	≤8	PASS
		2437	-23.69	≤8	PASS
		2462	-24.78	≤8	PASS

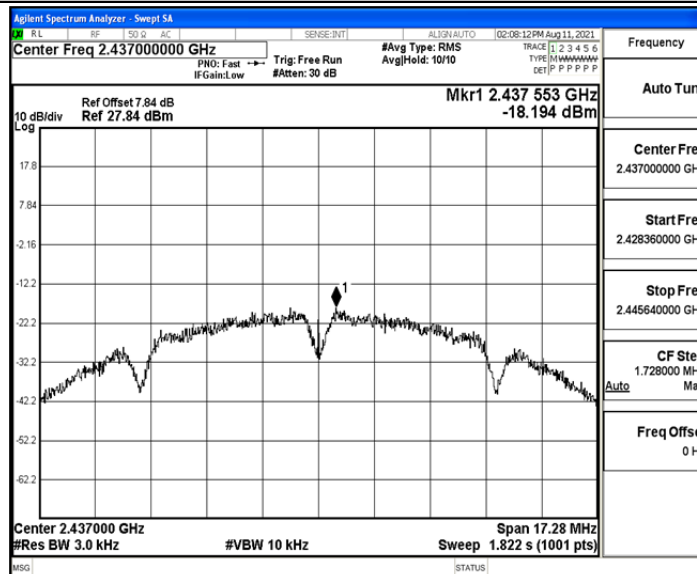


Test Graphs

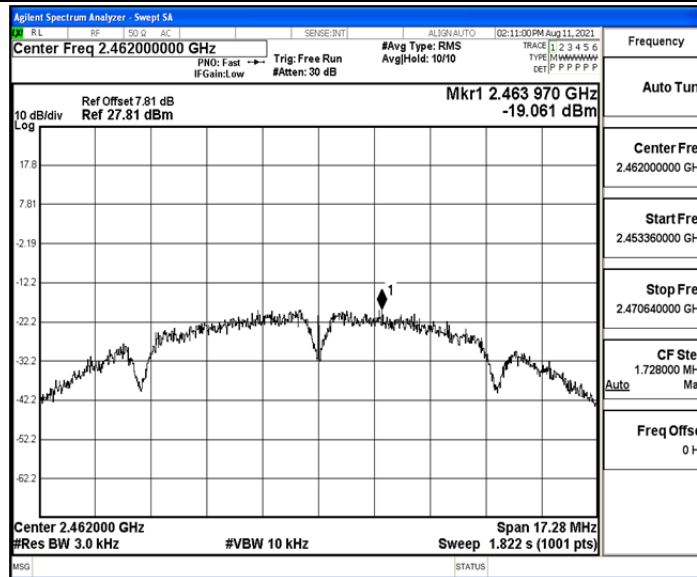
11B_Ant1_2412



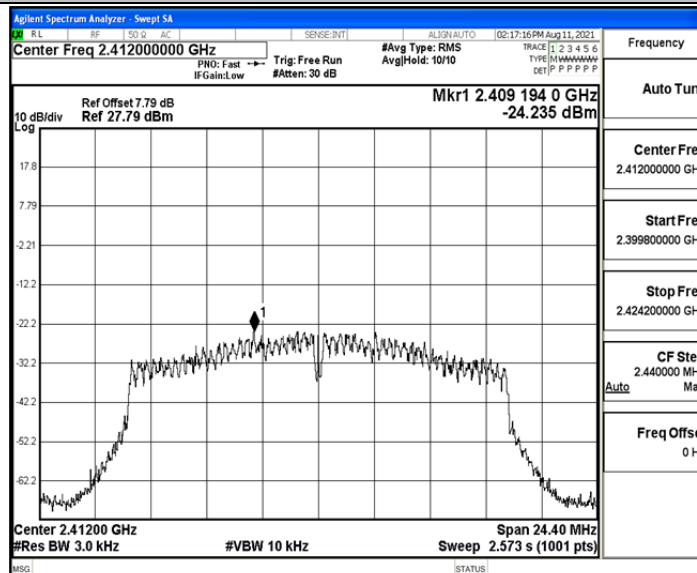
11B_Ant1_2437



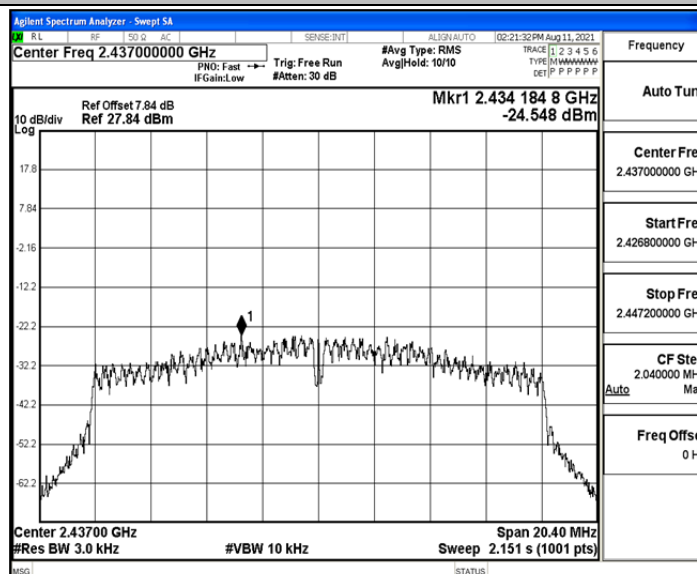
11B_Ant1_2462



11G_Ant1_2412

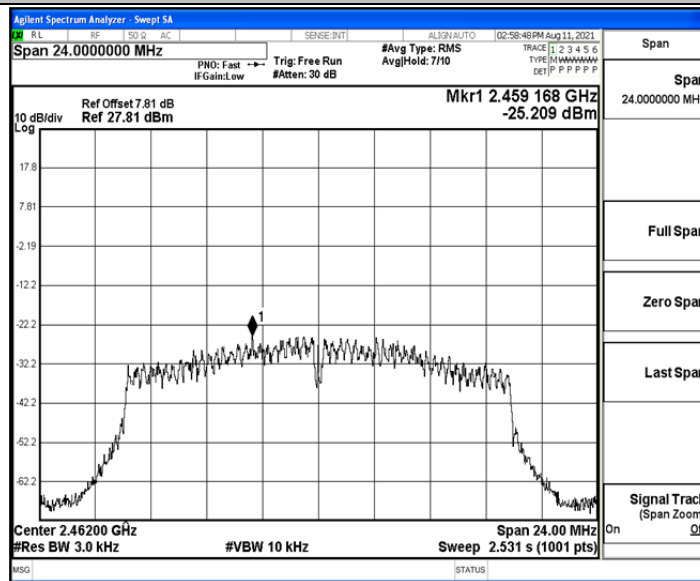


11G_Ant1_2437

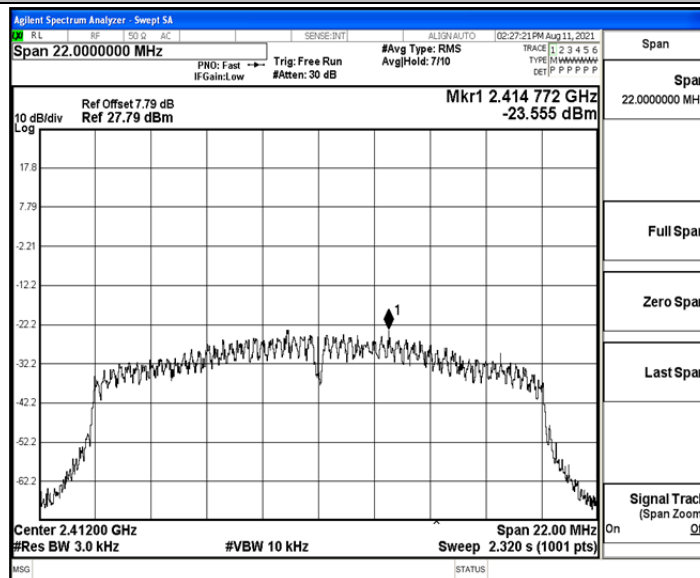




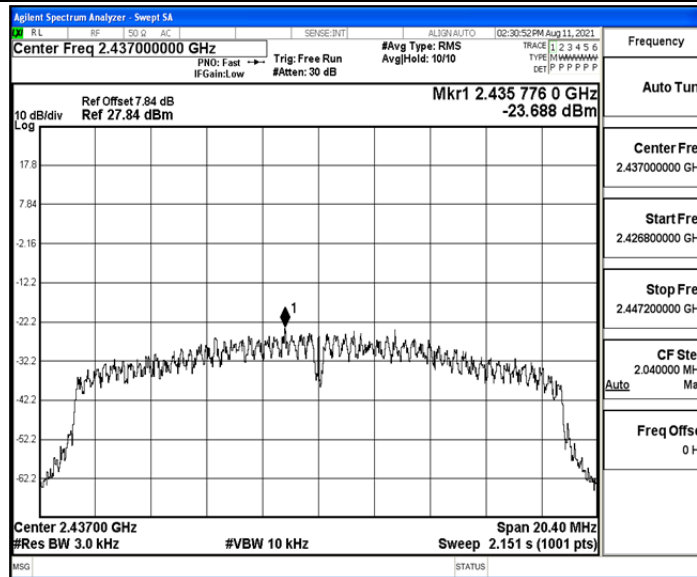
11G_Ant1_2462



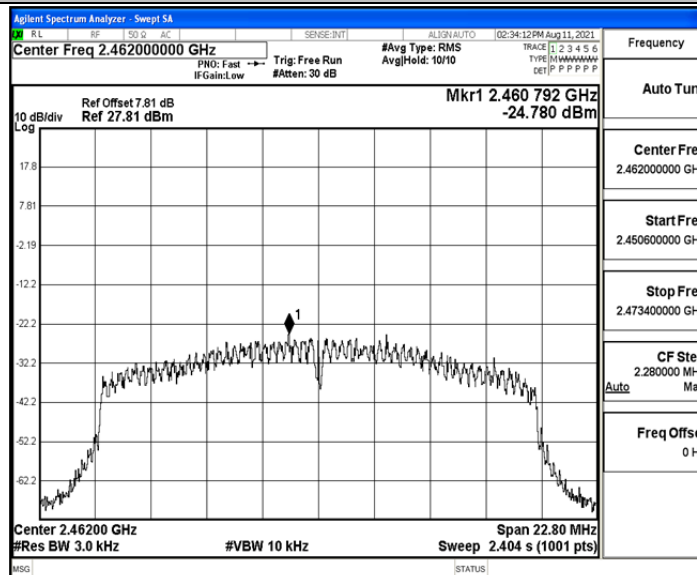
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462





Appendix A.4: Band edge measurements

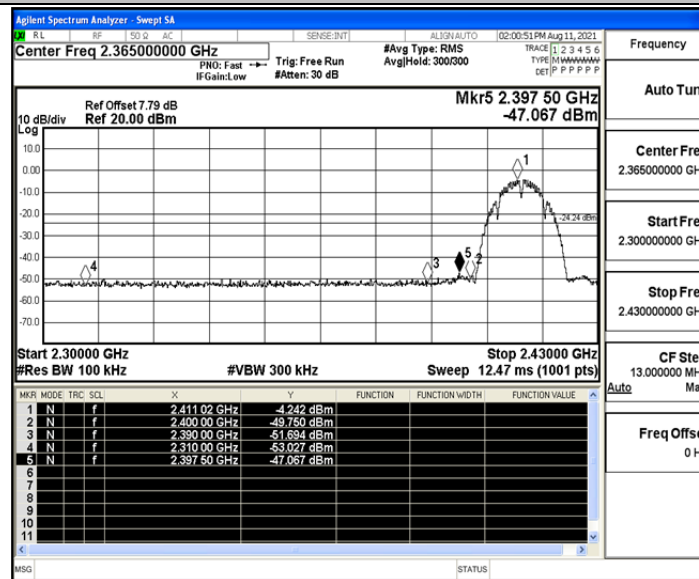
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-4.24	-47.07	≤ -24.24	PASS
		High	2462	-4.32	-48.47	≤ -24.32	PASS
11G	Ant1	Low	2412	-9.44	-49.39	≤ -29.44	PASS
		High	2462	-9.63	-48.83	≤ -29.63	PASS
11N20SISO	Ant1	Low	2412	-9.52	-48.37	≤ -29.52	PASS
		High	2462	-9.76	-48.72	≤ -29.76	PASS

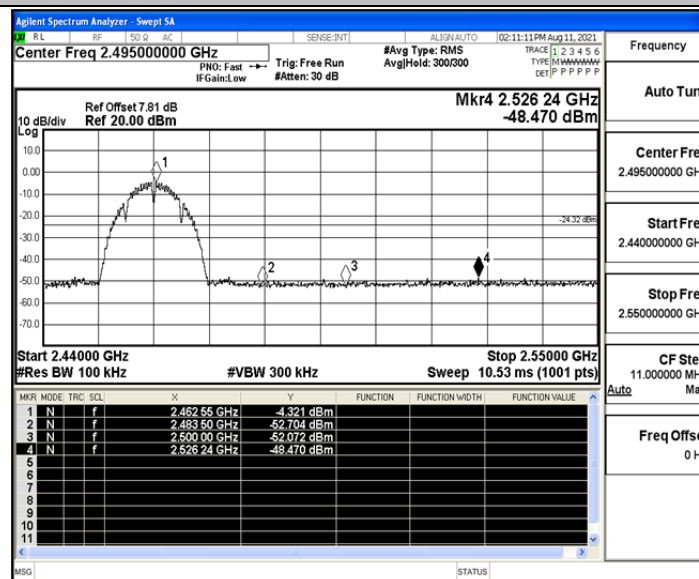


Test Graphs

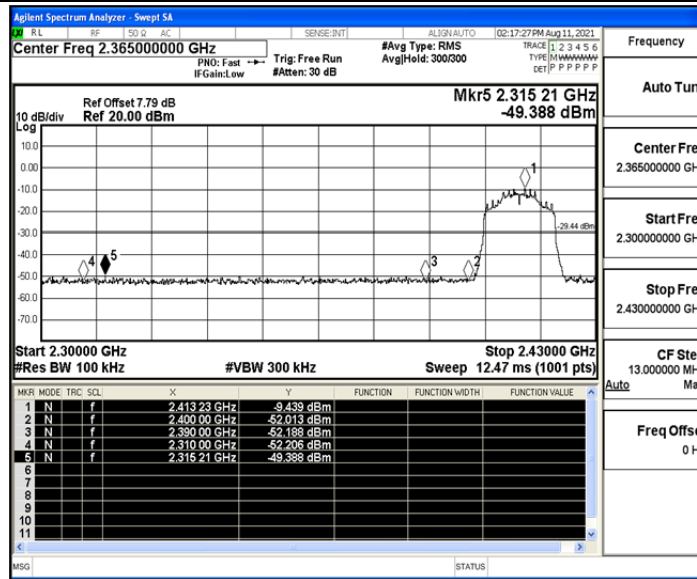
11B_Ant1_Low_2412



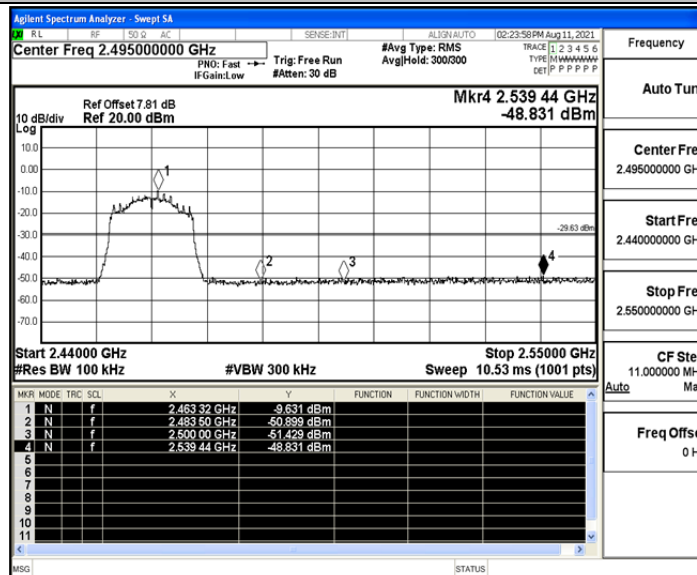
11B_Ant1_High_2462



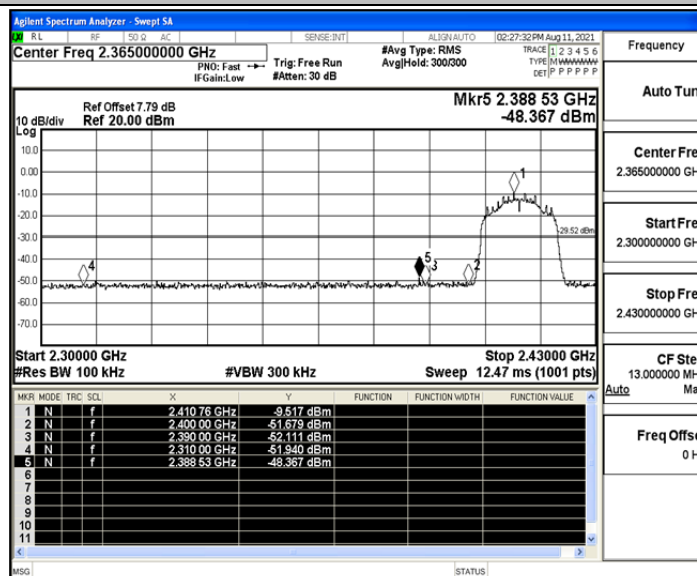
11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412





Appendix A.5: Conducted Spurious Emission

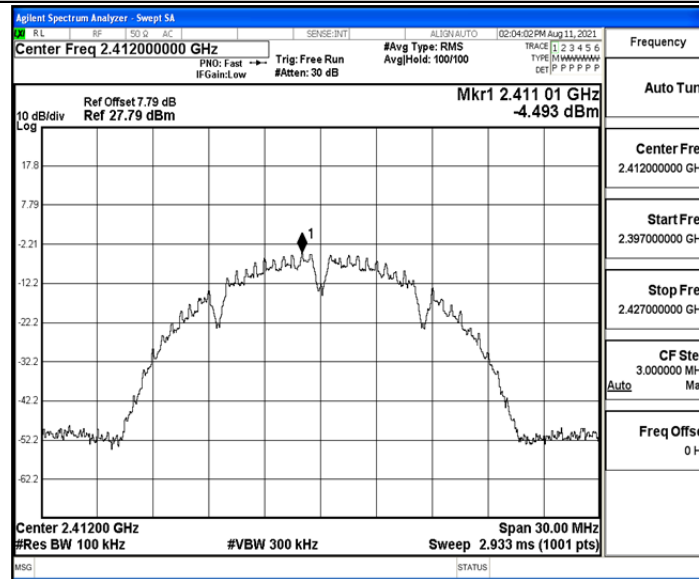
Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-4.49	-4.49	---	PASS
			30~1000	-4.49	-60.85	≤ -24.49	PASS
			1000~26500	-4.49	-47.64	≤ -24.49	PASS
		2437	Reference	-4.41	-4.41	---	PASS
			30~1000	-4.41	-61.57	≤ -24.41	PASS
			1000~26500	-4.41	-47.34	≤ -24.41	PASS
		2462	Reference	-4.37	-4.37	---	PASS
			30~1000	-4.37	-61.37	≤ -24.37	PASS
			1000~26500	-4.37	-47.2	≤ -24.37	PASS
11G	Ant1	2412	Reference	-9.76	-9.76	---	PASS
			30~1000	-9.76	-61.43	≤ -29.76	PASS
			1000~26500	-9.76	-47.26	≤ -29.76	PASS
		2437	Reference	-10.81	-10.81	---	PASS
			30~1000	-10.81	-61.65	≤ -30.81	PASS
			1000~26500	-10.81	-46.77	≤ -30.81	PASS
		2462	Reference	-11.11	-11.11	---	PASS
			30~1000	-11.11	-61.37	≤ -31.11	PASS
			1000~26500	-11.11	-47.87	≤ -31.11	PASS
11N20SISO	Ant1	2412	Reference	-11.41	-11.41	---	PASS
			30~1000	-11.41	-62.05	≤ -31.41	PASS
			1000~26500	-11.41	-47.33	≤ -31.41	PASS
		2437	Reference	-9.99	-9.99	---	PASS
			30~1000	-9.99	-61.03	≤ -29.99	PASS
			1000~26500	-9.99	-47.04	≤ -29.99	PASS
		2462	Reference	-10.99	-10.99	---	PASS
			30~1000	-10.99	-61.93	≤ -30.99	PASS
			1000~26500	-10.99	-46.99	≤ -30.99	PASS

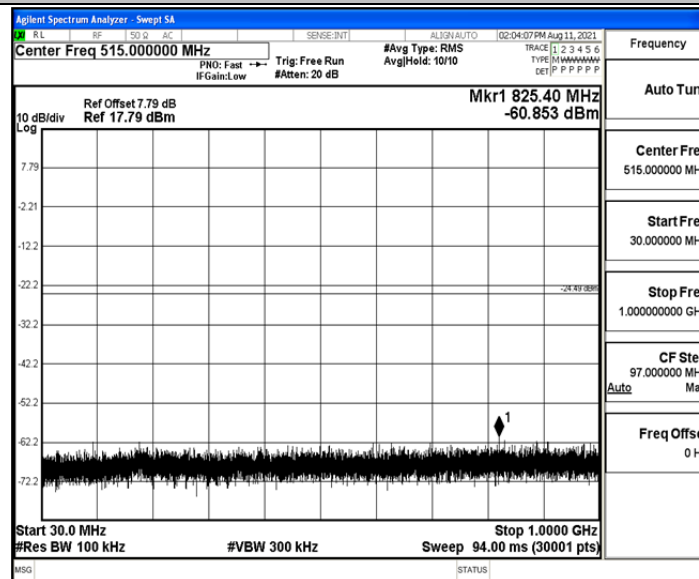


Test Graphs

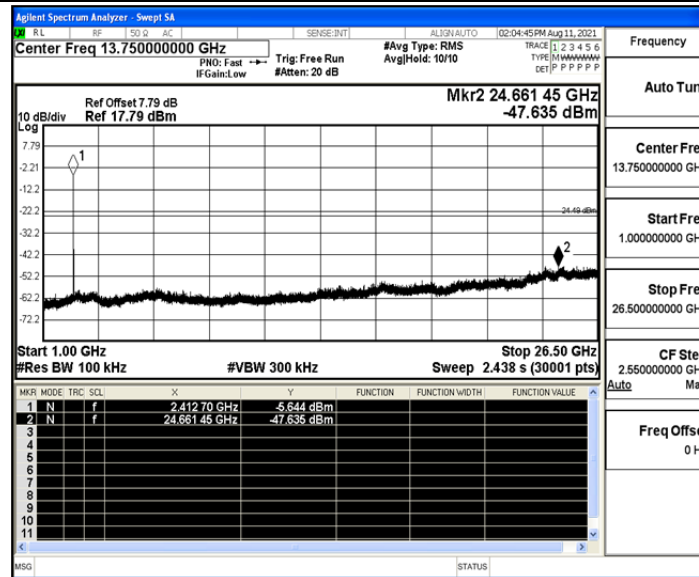
11B_Ant1_2412_0~Reference



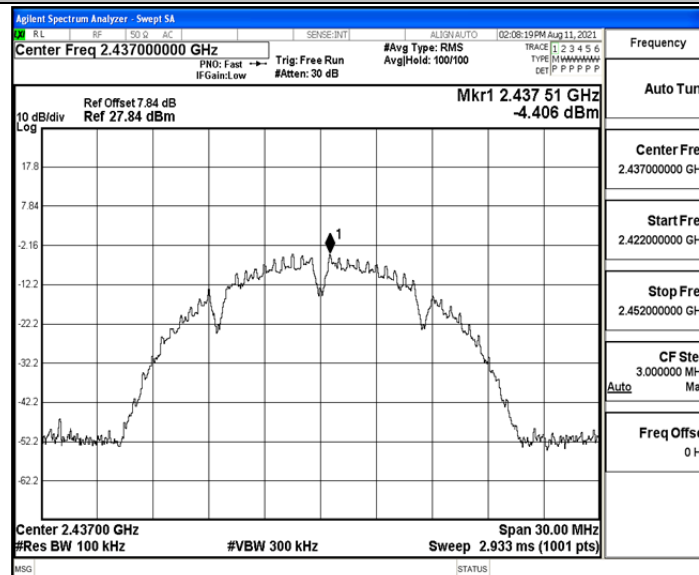
11B_Ant1_2412_30~1000



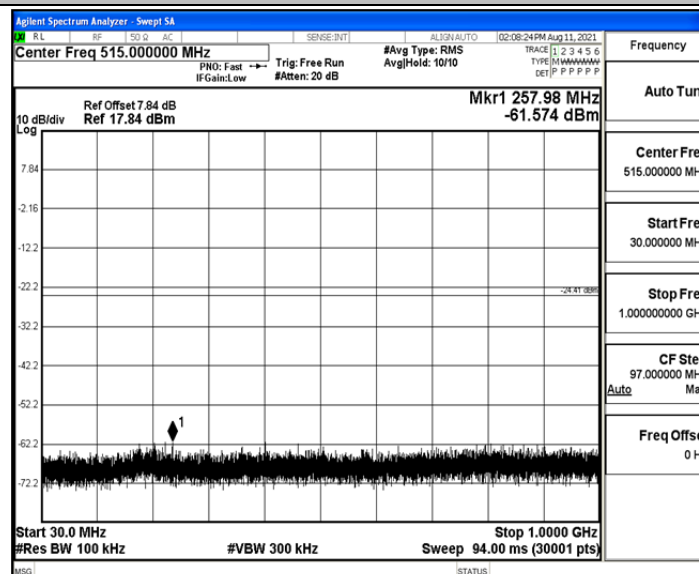
11B_Ant1_2412_1000~26500

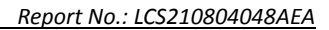


11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



[illegible]

Agilent Spectrum Analyzer - Sweep SA

RL IF SFG AC SENSE:INT ALIAS/AUTO 02:14:02 PM Aug 11, 2011

Center Freq 2.46200000 GHz #Avg Type: RMS #Atten: 30 dB

PRF: Fast IF Gain: Low

Trig: Free Run

WAC: 1 2 3 4 5 6 TYPE: H W W W W W W W DET: P P P P P P

Frequency

Auto Tun

Center Freq 2.46200000 GHz

Start Freq 2.447000000 GHz

Stop Freq 2.477000000 GHz

CF Ste 3.000000 MHz

Auto

Freq Offset 0 Hz

10 dB/div Ref Offset 7.81 dB Mkr1 2.461 01 GHz

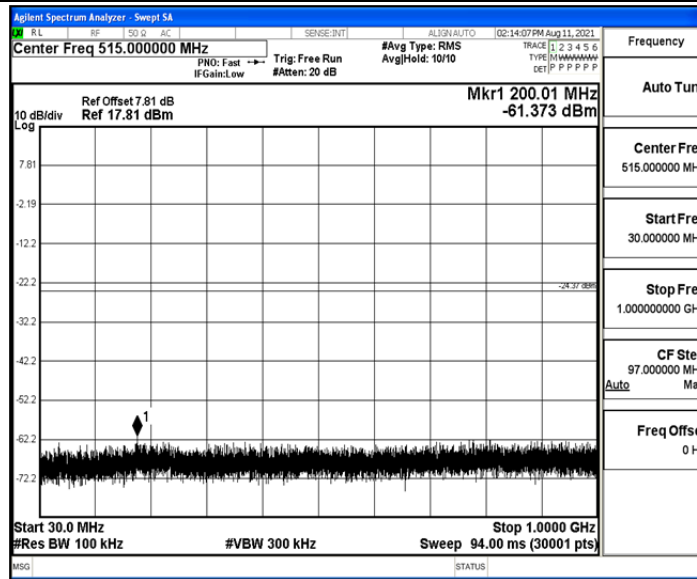
Log Ref 27.81 dBm -4.367 dBm

Center 2.46200 GHz Span 30.00 MHz

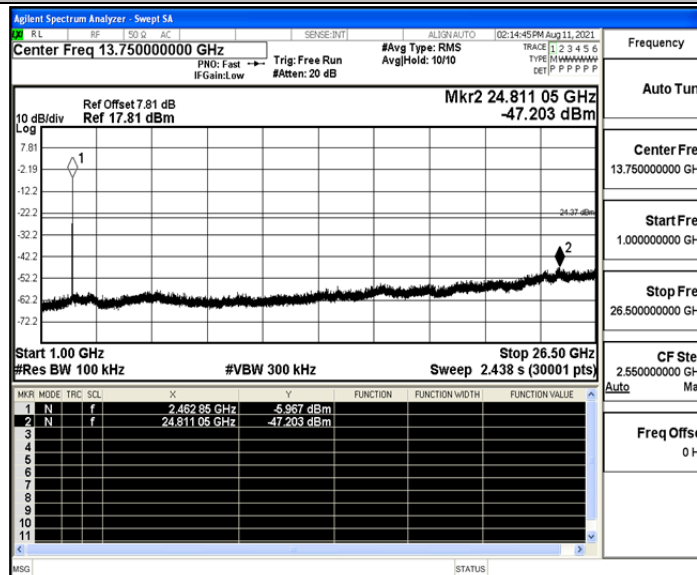
#Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms (1001 pts)

MSG STATUS

19 / 39



11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

