



Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Mini PC

Test Model: AM02

Environmental Conditions

Temperature:	22.6° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Mart Chen
Supervised by:	Li Huan



C.1 6dB Bandwidth

Test Result

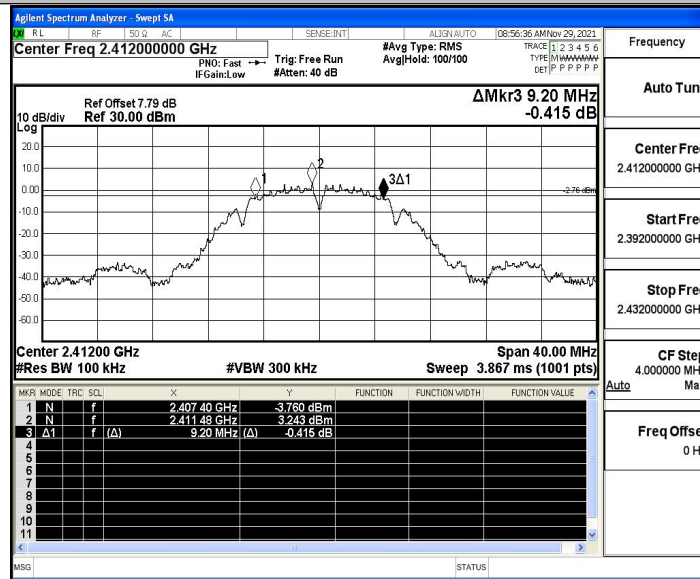
ANT0

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	9.200	2407.400	2416.600	0.5	PASS
		2437	9.840	2432.200	2442.040	0.5	PASS
		2462	9.120	2457.440	2466.560	0.5	PASS
11G	Ant0	2412	13.880	2404.400	2418.280	0.5	PASS
		2437	15.520	2429.040	2444.560	0.5	PASS
		2462	15.560	2454.040	2469.600	0.5	PASS
11N20SISO	Ant0	2412	12.040	2405.640	2417.680	0.5	PASS
		2437	15.120	2429.480	2444.600	0.5	PASS
		2462	15.160	2454.440	2469.600	0.5	PASS
11N40SISO	Ant0	2422	32.640	2406.880	2439.520	0.5	PASS
		2437	33.920	2420.680	2454.600	0.5	PASS
		2452	35.120	2434.400	2469.520	0.5	PASS

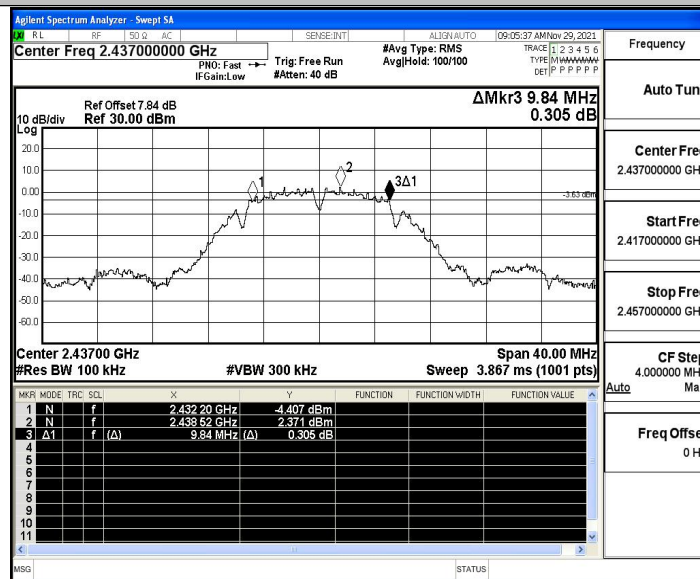


Test Graphs

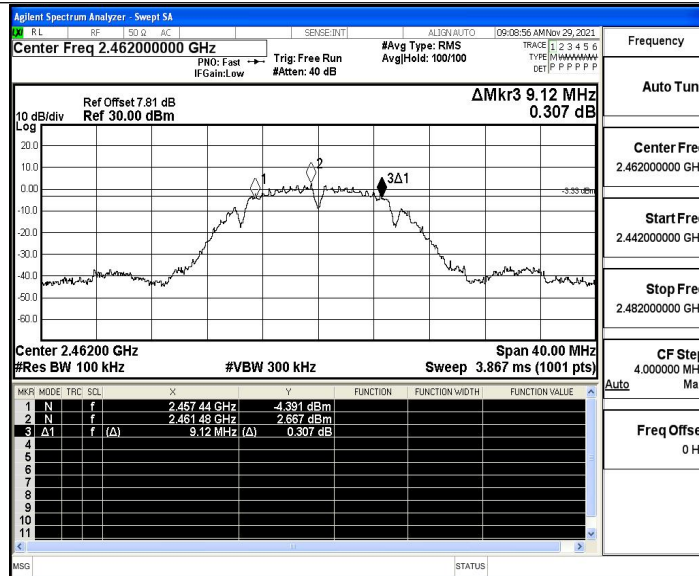
11B_Ant0_2412



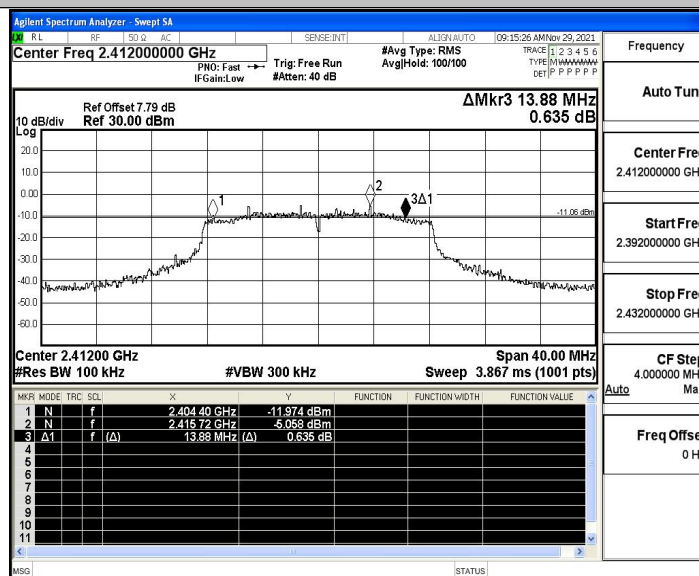
11B_Ant0_2437



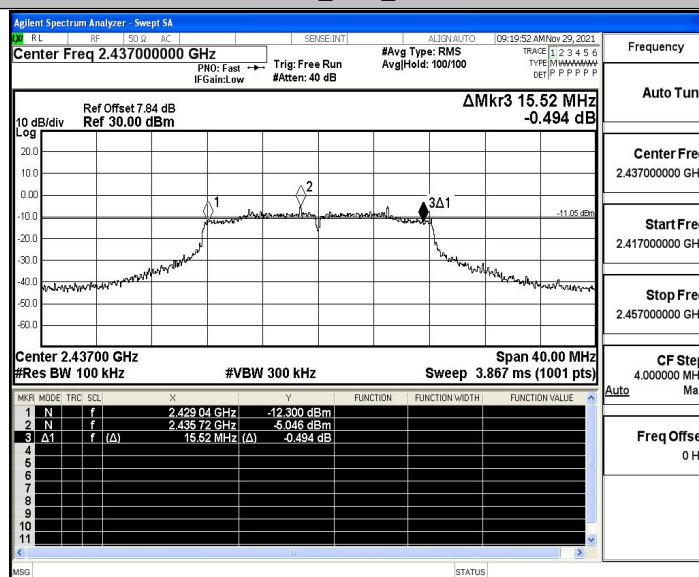
11B_Ant0_2462



11G_Ant0_2412

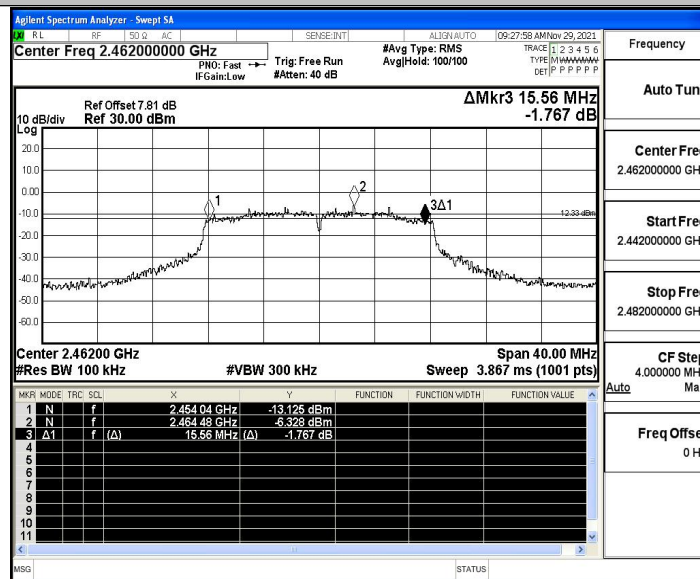


11G_Ant0_2437

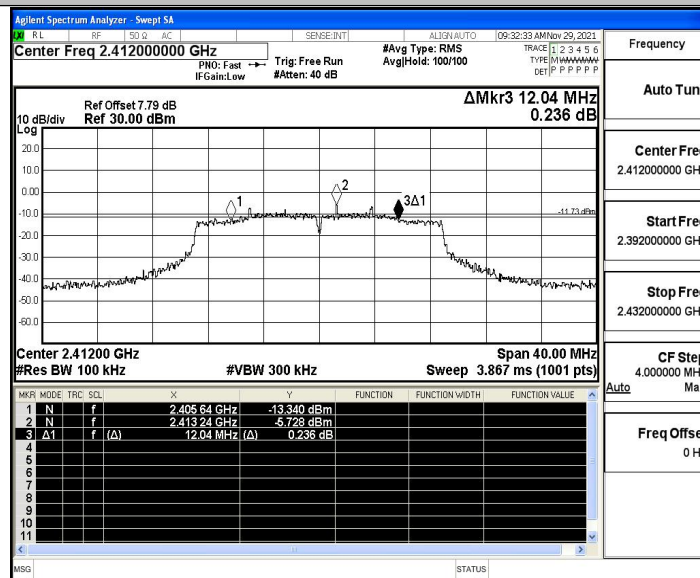




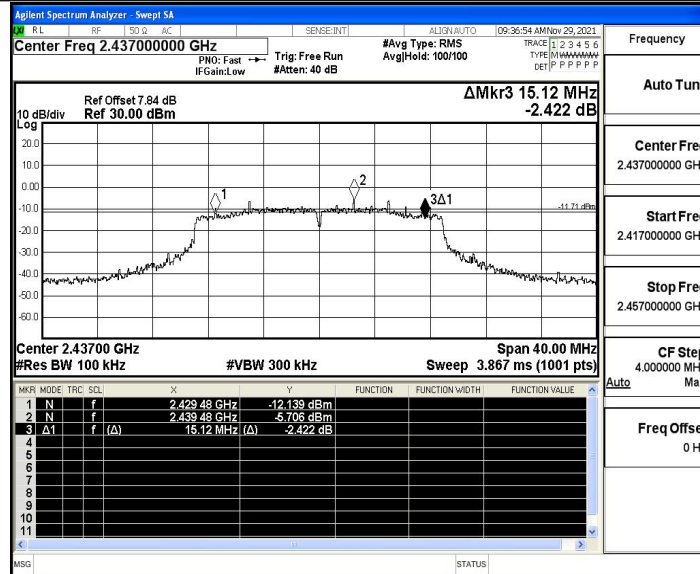
11G_Ant0_2462



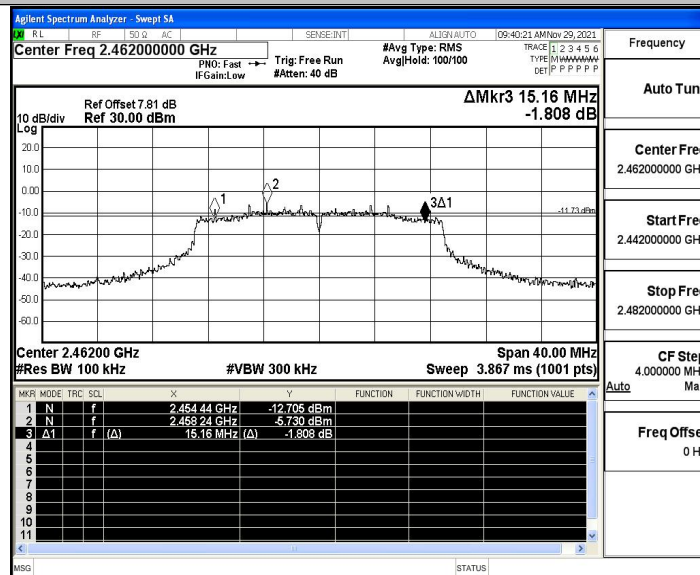
11N20SISO_Ant0_2412



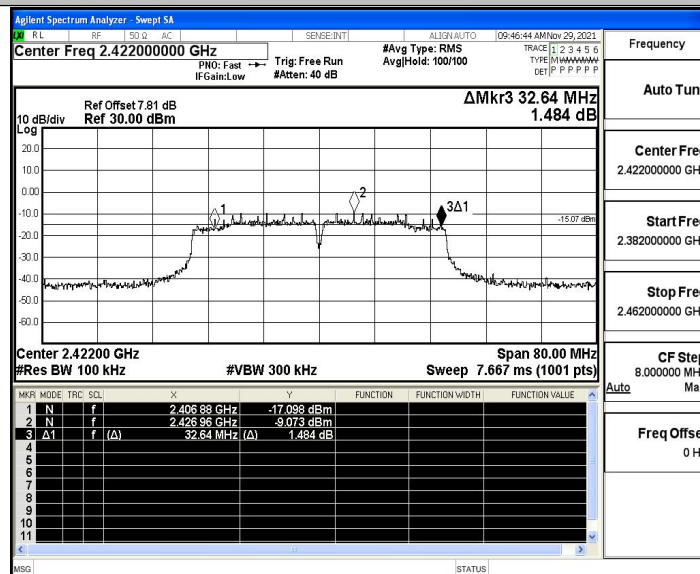
11N20SISO_Ant0_2437



11N20SISO_Ant0_2462

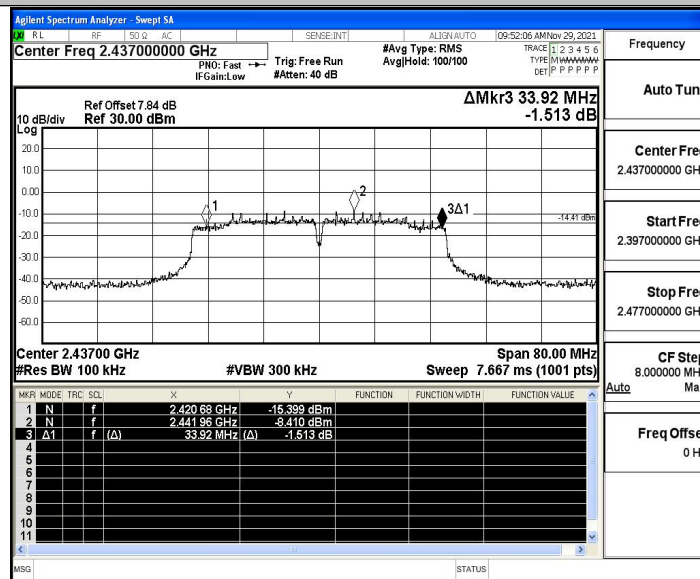


11N40SISO_Ant0_2422

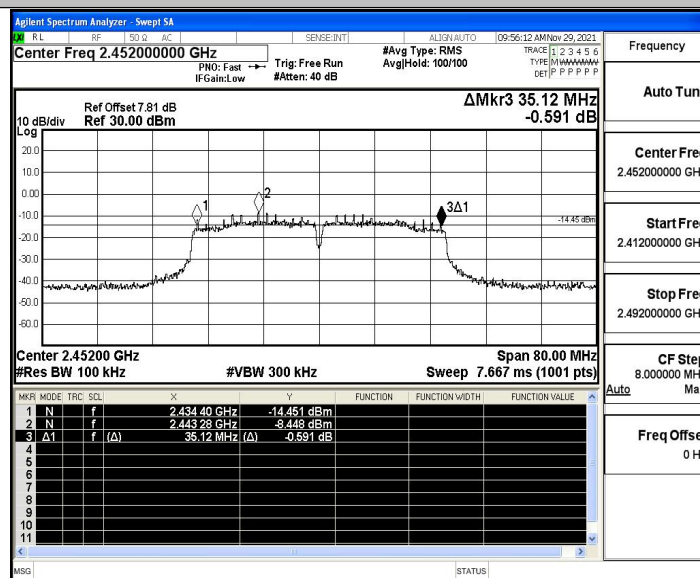




11N40SISO_Ant0_2437



11N40SISO_Ant0_2452

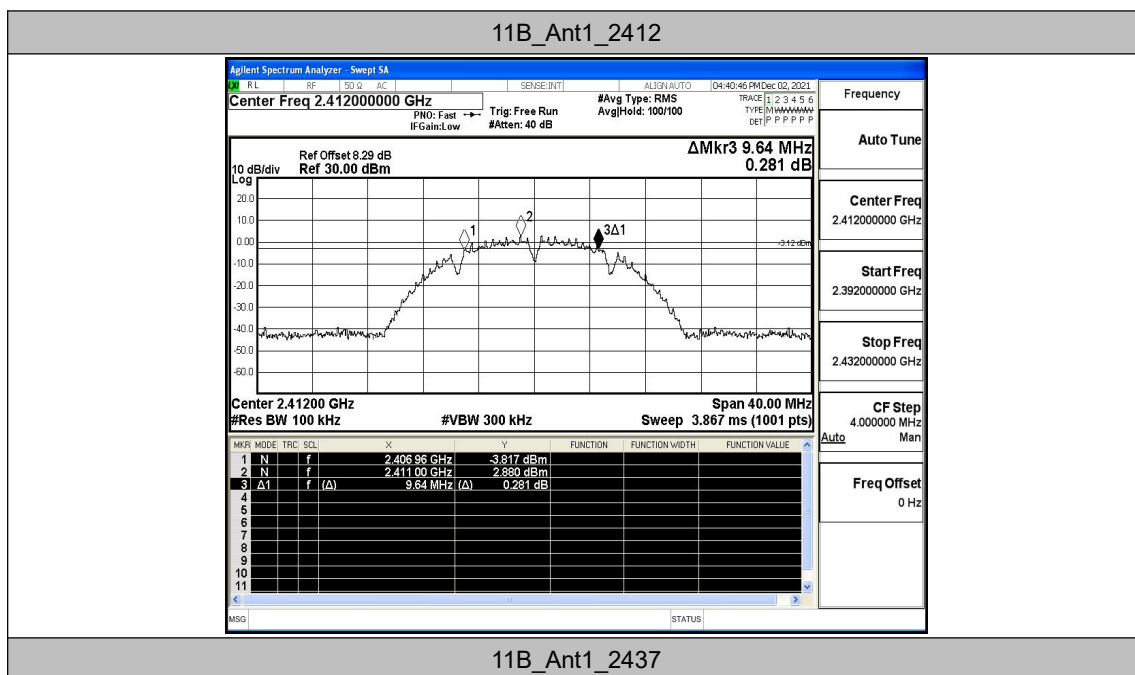


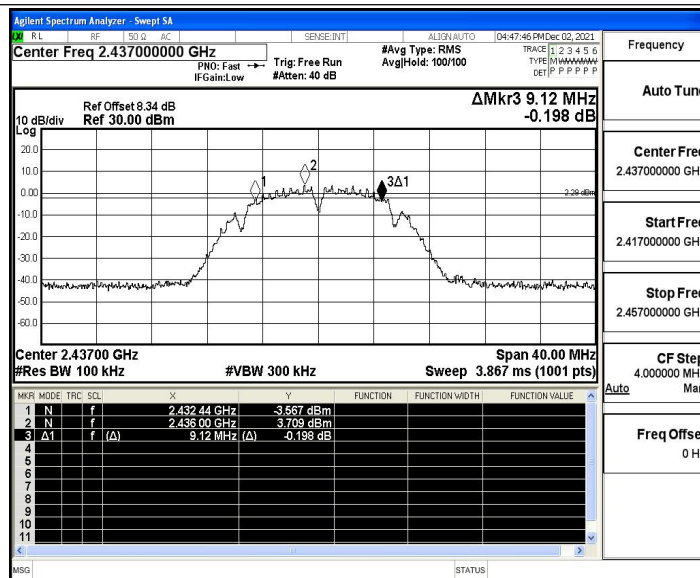


ANT1

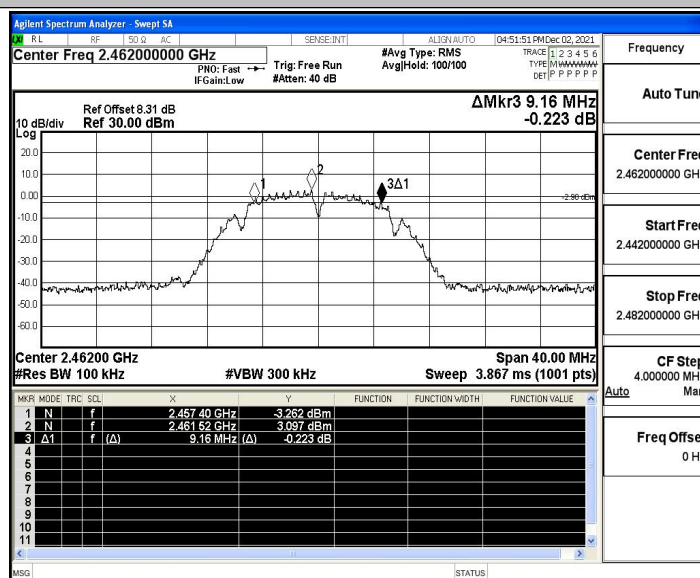
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.640	2406.960	2416.600	0.5	PASS
		2437	9.120	2432.440	2441.560	0.5	PASS
		2462	9.160	2457.400	2466.560	0.5	PASS
11G	Ant1	2412	16.480	2403.760	2420.240	0.5	PASS
		2437	16.400	2428.840	2445.240	0.5	PASS
		2462	16.520	2453.680	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.160	2420.840	0.5	PASS
		2437	17.680	2428.200	2445.880	0.5	PASS
		2462	17.280	2453.120	2470.400	0.5	PASS
11N40SISO	Ant1	2422	35.920	2404.400	2440.320	0.5	PASS
		2437	35.680	2419.320	2455.000	0.5	PASS
		2452	35.280	2434.320	2469.600	0.5	PASS

Test Graphs

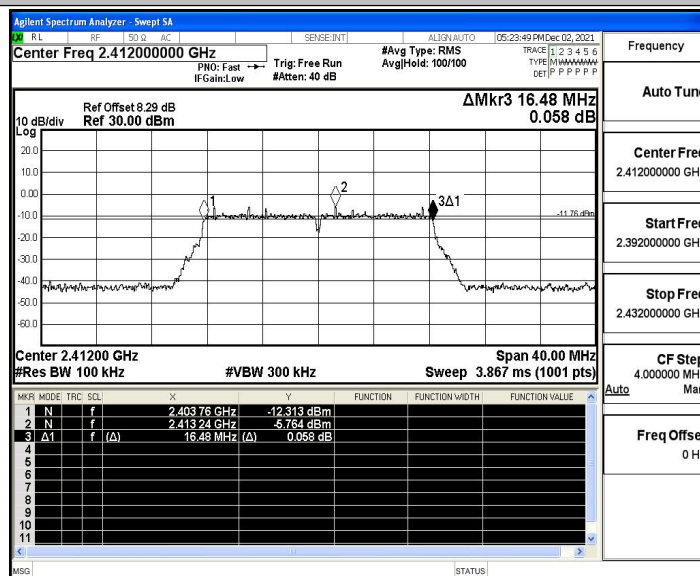




11B_Ant1_2462

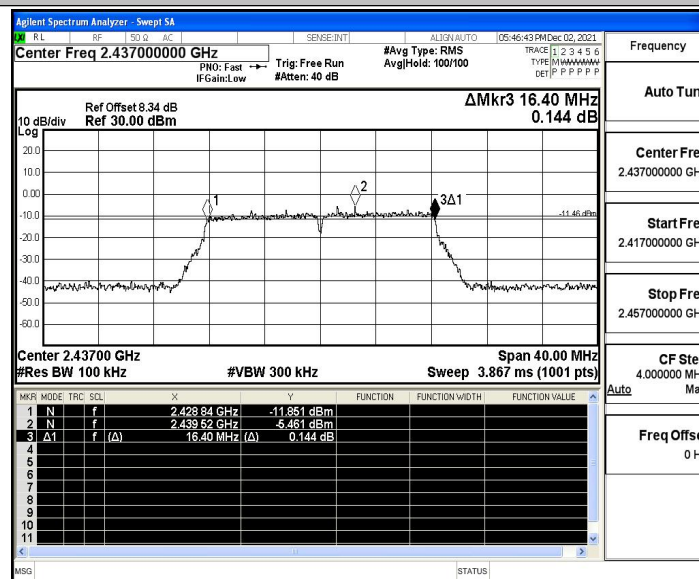


11G_Ant1_2412

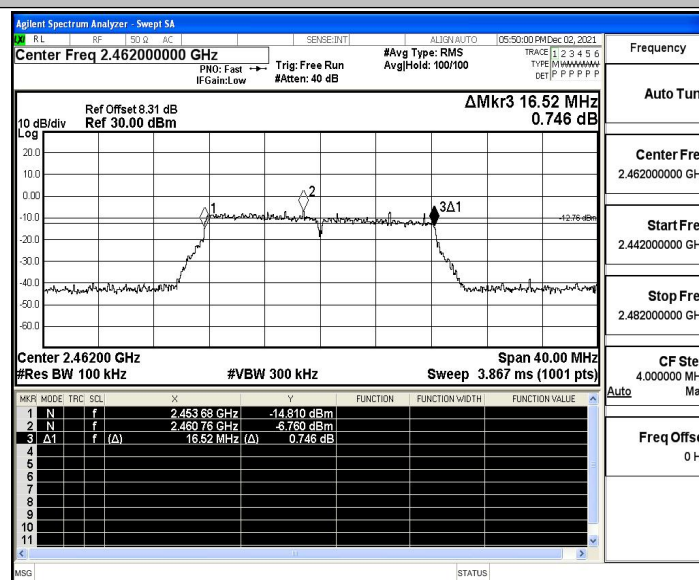




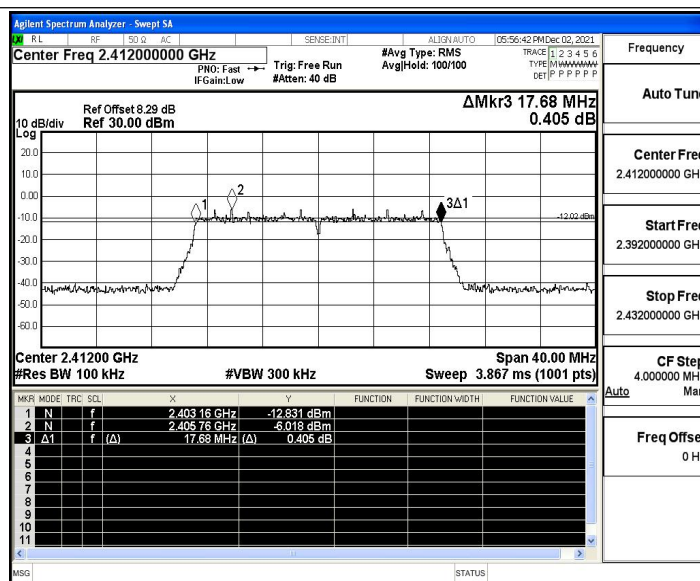
11G_Ant1_2437



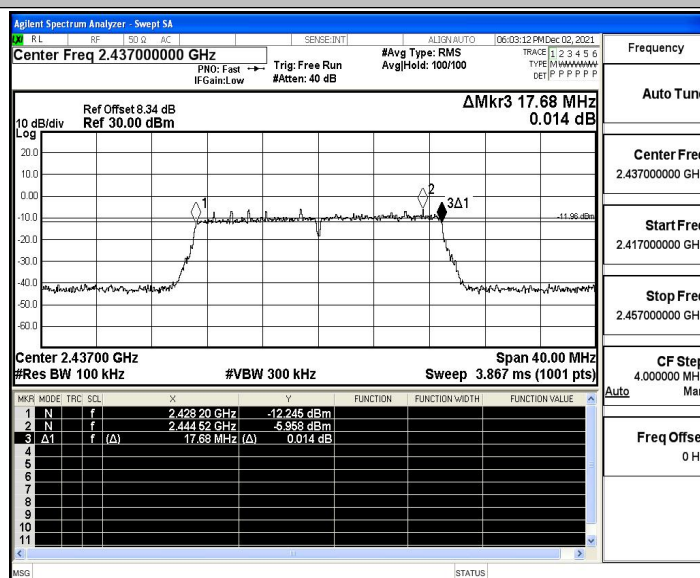
11G_Ant1_2462



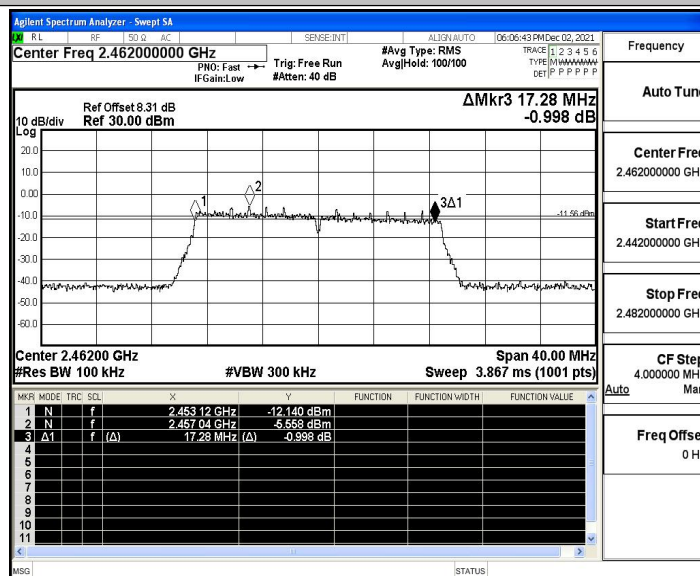
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

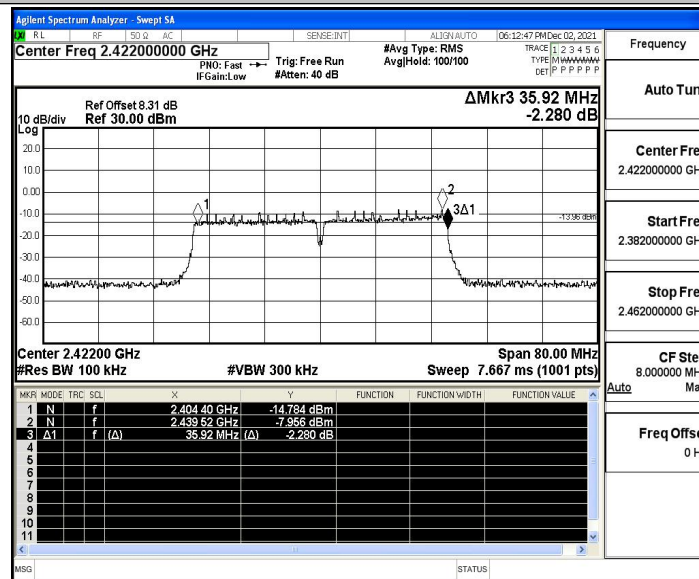


11N20SISO_Ant1_2462

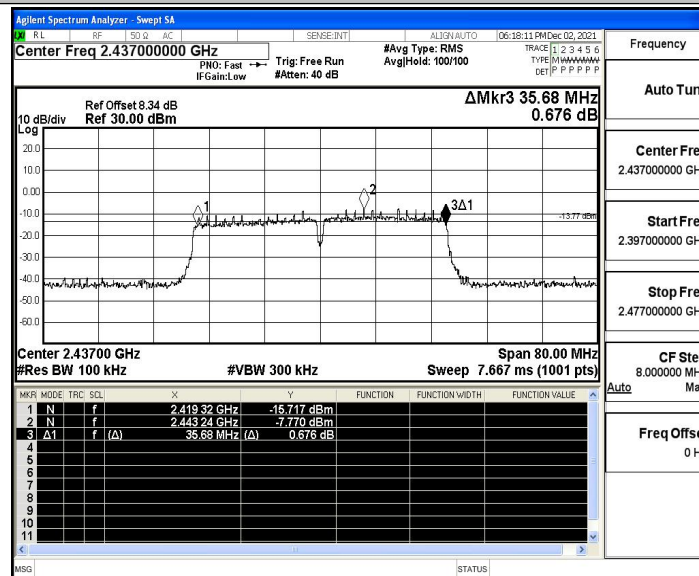




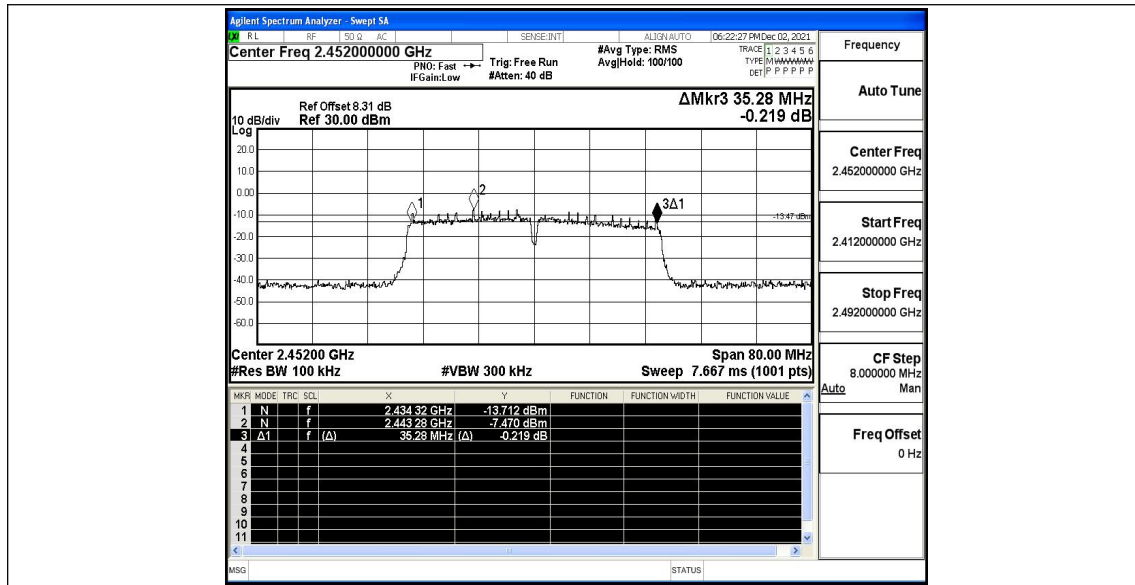
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





C.2 Maximum conducted output power

Test Result

ANT0

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	2412	15.57	≤30	PASS
		2437	15.00	≤30	PASS
		2462	15.27	≤30	PASS
11G	Ant0	2412	12.60	≤30	PASS
		2437	13.66	≤30	PASS
		2462	12.59	≤30	PASS
11N20SISO	Ant0	2412	11.86	≤30	PASS
		2437	12.26	≤30	PASS
		2462	12.52	≤30	PASS
11N40SISO	Ant0	2422	11.88	≤30	PASS
		2437	12.06	≤30	PASS
		2452	12.55	≤30	PASS

ANT1

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	2412	15.02	≤30	PASS
		2437	15.45	≤30	PASS
		2462	14.86	≤30	PASS
11G	Ant0	2412	12.70	≤30	PASS
		2437	13.03	≤30	PASS
		2462	12.59	≤30	PASS
11N20SISO	Ant0	2412	12.94	≤30	PASS
		2437	12.98	≤30	PASS
		2462	12.77	≤30	PASS
11N40SISO	Ant0	2422	13.00	≤30	PASS
		2437	13.03	≤30	PASS
		2452	13.04	≤30	PASS

MIMO

Mode	Channel	ANT 0 [dBm]	ANT 1 [dBm]	MIMO [dBm]	Limit [dBm]	Verdict
11N20	LCH	11.86	12.94	15.44	30	PASS
	MCH	12.26	12.98	15.65	30	PASS
	HCH	12.52	12.77	15.66	30	PASS
11N40	LCH	11.88	13.00	15.49	30	PASS
	MCH	12.06	13.03	15.58	30	PASS
	HCH	12.55	13.04	15.81	30	PASS



C.3 Maximum power spectral density

Test Result

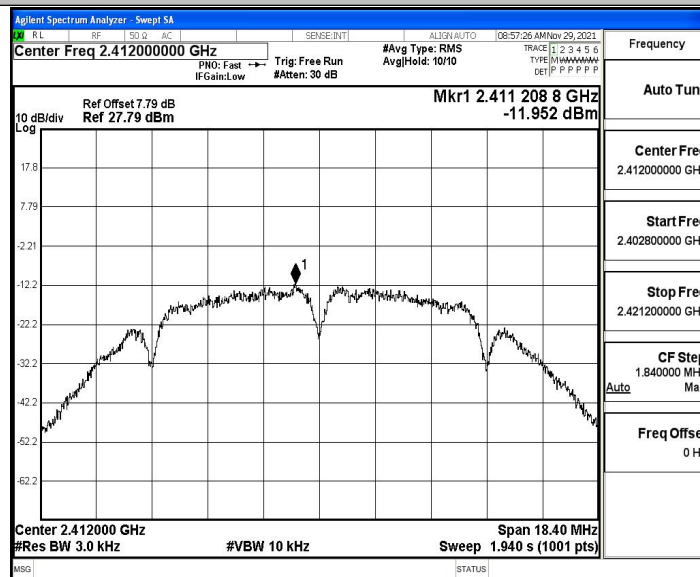
ANT0

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-11.95	≤8	PASS
		2437	-12.41	≤8	PASS
		2462	-12.42	≤8	PASS
11G	Ant0	2412	-19.35	≤8	PASS
		2437	-18.73	≤8	PASS
		2462	-19.92	≤8	PASS
11N20SISO	Ant0	2412	-19.6	≤8	PASS
		2437	-19.15	≤8	PASS
		2462	-18.69	≤8	PASS
11N40SISO	Ant0	2422	-22.12	≤8	PASS
		2437	-21.93	≤8	PASS
		2452	-21.34	≤8	PASS

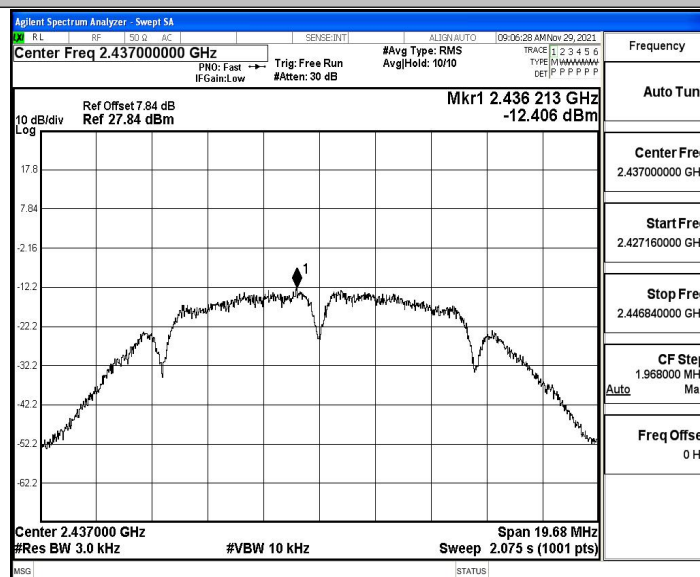


Test Graphs

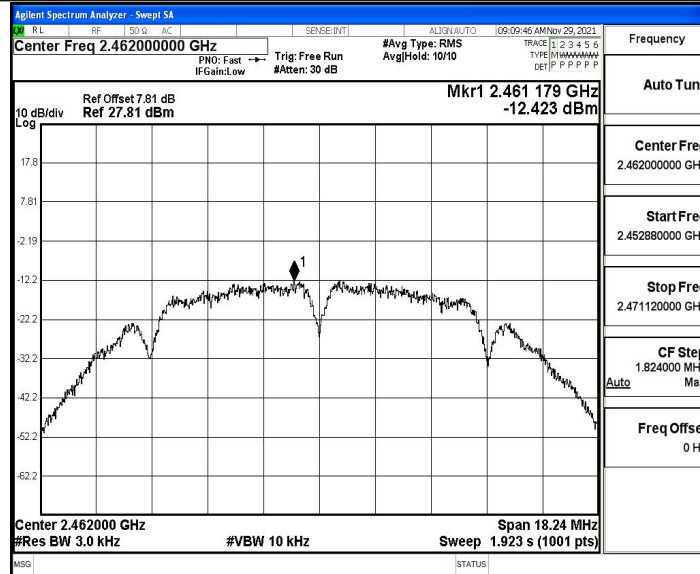
11B_Ant0_2412



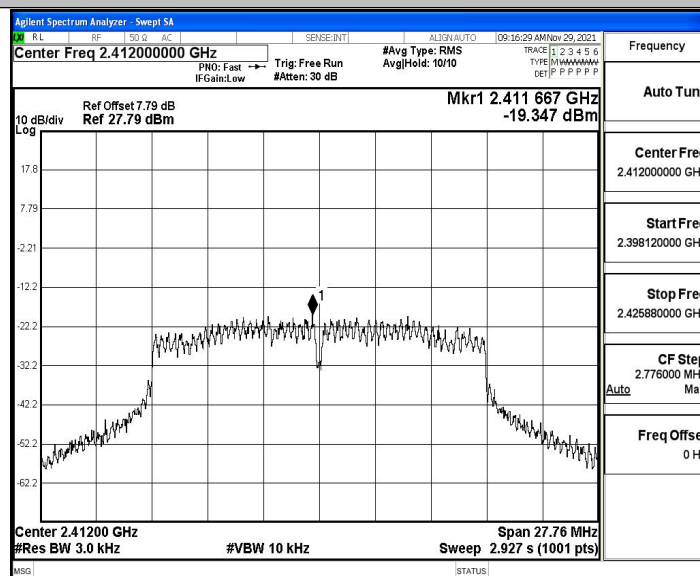
11B_Ant0_2437



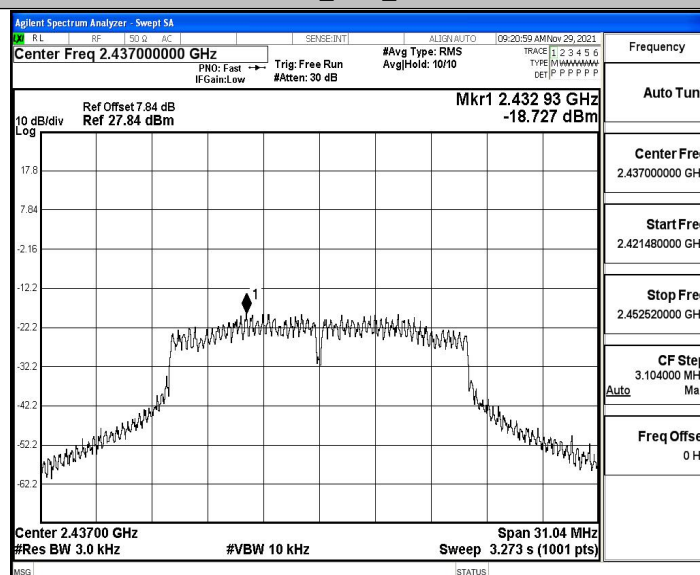
11B_Ant0_2462



11G_Ant0_2412

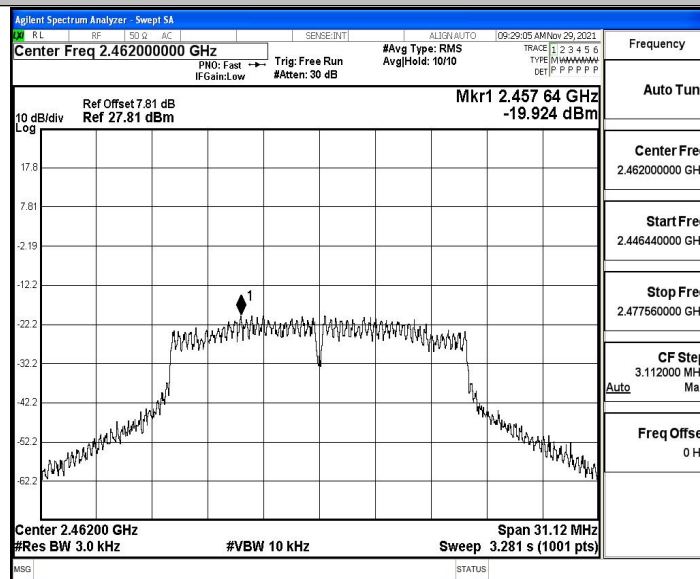


11G_Ant0_2437

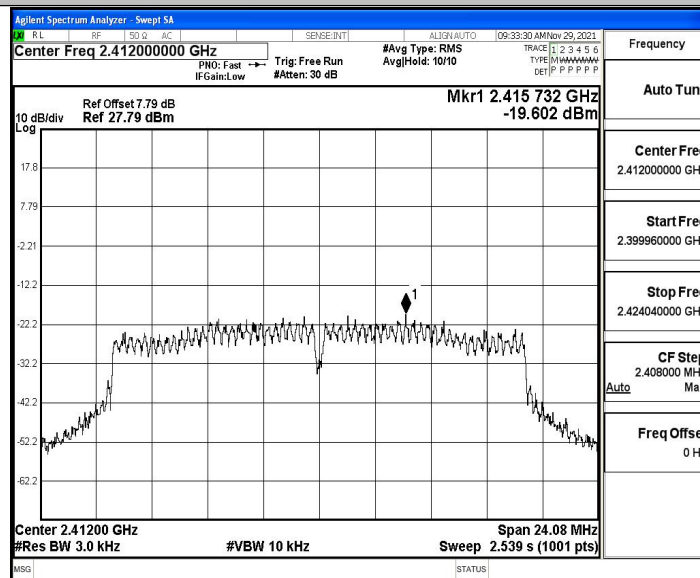




11G_Ant0_2462



11N20SISO_Ant0_2412



11N20SISO_Ant0_2437