



Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Wireless USB Adapter

Test Model: PAU0D

Environmental Conditions

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



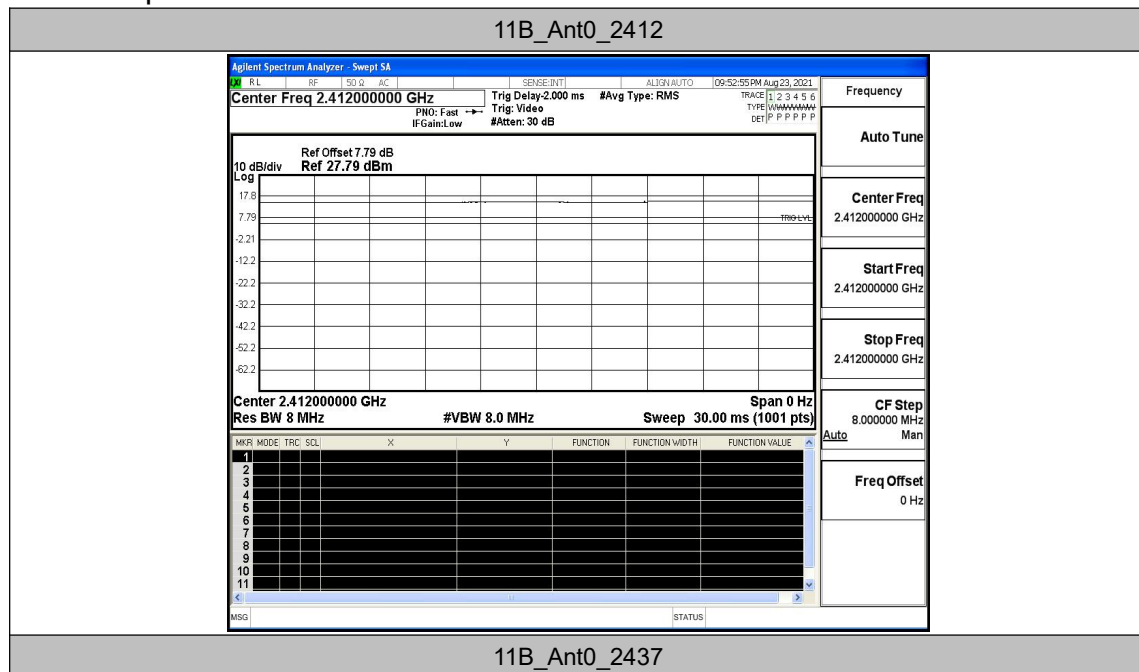
A.1 Duty Cycle

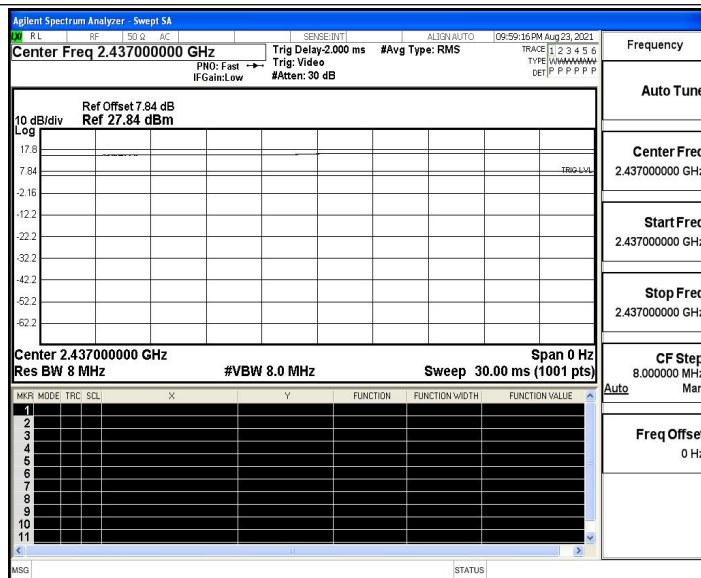
Test Result

ANT0

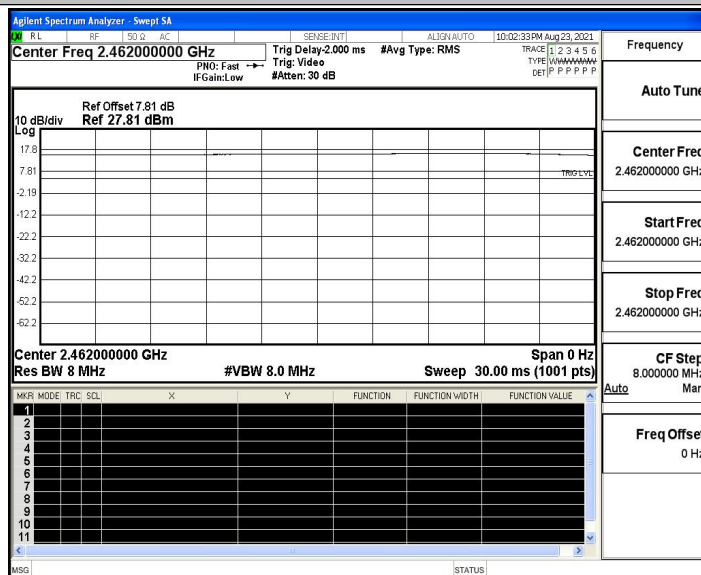
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant0	2412	30.00	30.00	100.00	---	PASS
		2437	30.00	30.00	100.00	---	PASS
		2462	30.00	30.00	100.00	---	PASS
11G	Ant0	2412	30.00	30.00	100.00	---	PASS
		2437	30.00	30.00	100.00	---	PASS
		2462	30.00	30.00	100.00	---	PASS
11N20SISO	Ant0	2412	30.00	30.00	100.00	---	PASS
		2437	30.00	30.00	100.00	---	PASS
		2462	30.00	30.00	100.00	---	PASS
11N40SISO	Ant0	2422	30.00	30.00	100.00	---	PASS
		2437	30.00	30.00	100.00	---	PASS
		2452	30.00	30.00	100.00	---	PASS

Test Graphs

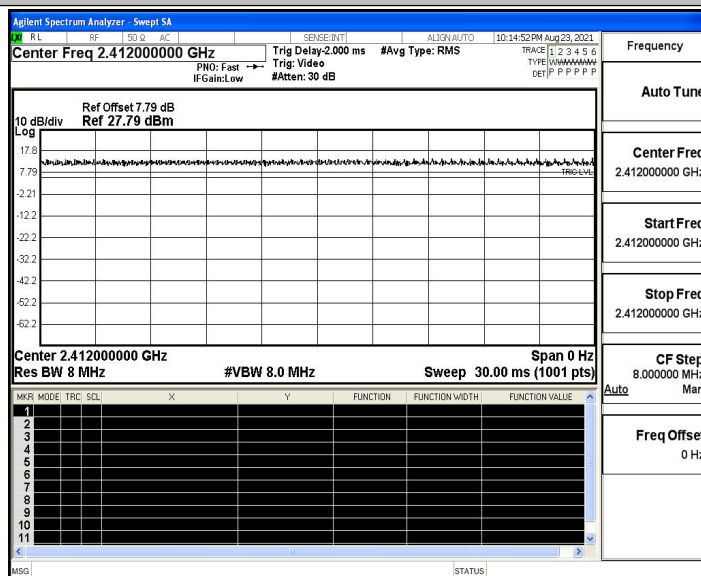




11B_Ant0_2462

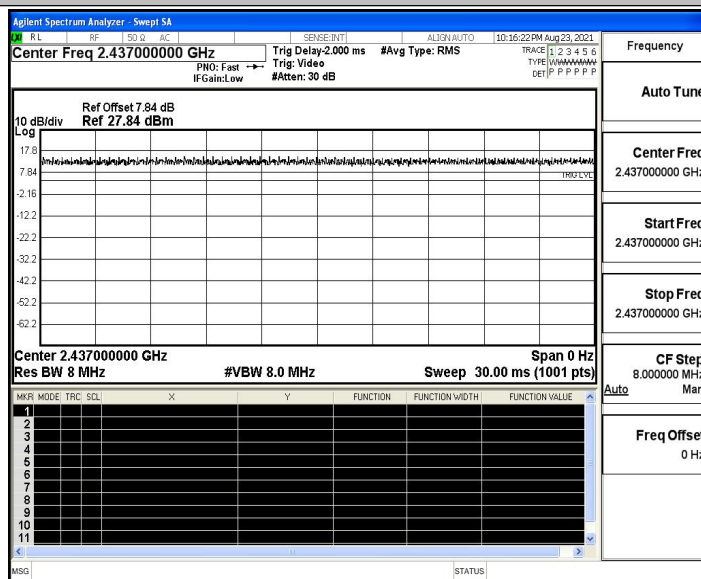


11G_Ant0_2412

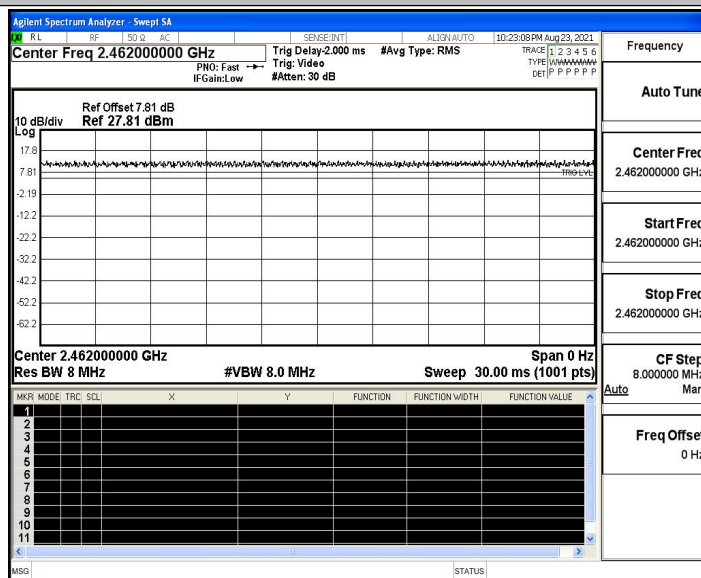




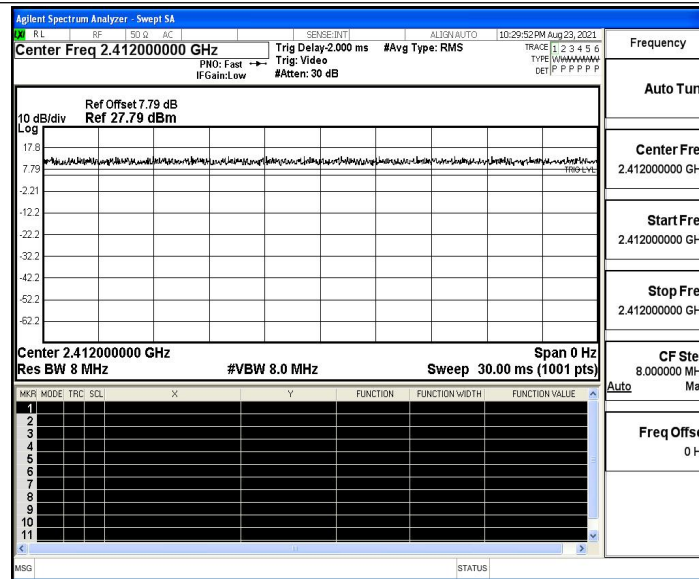
11G_Ant0_2437



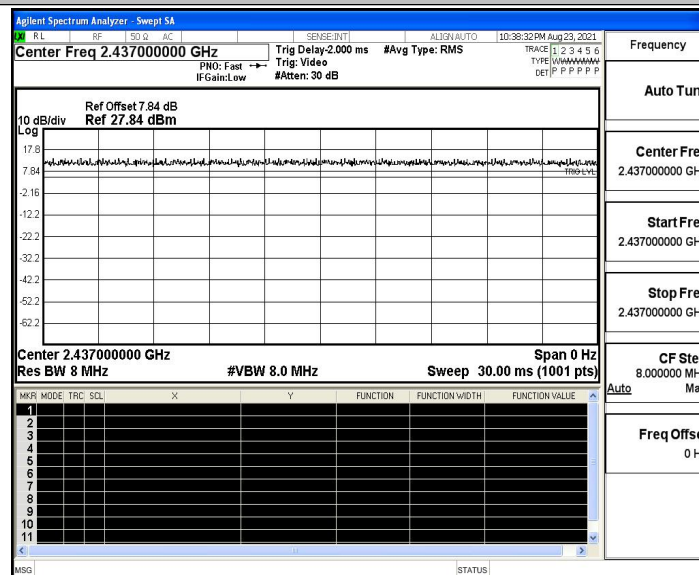
11G_Ant0_2462



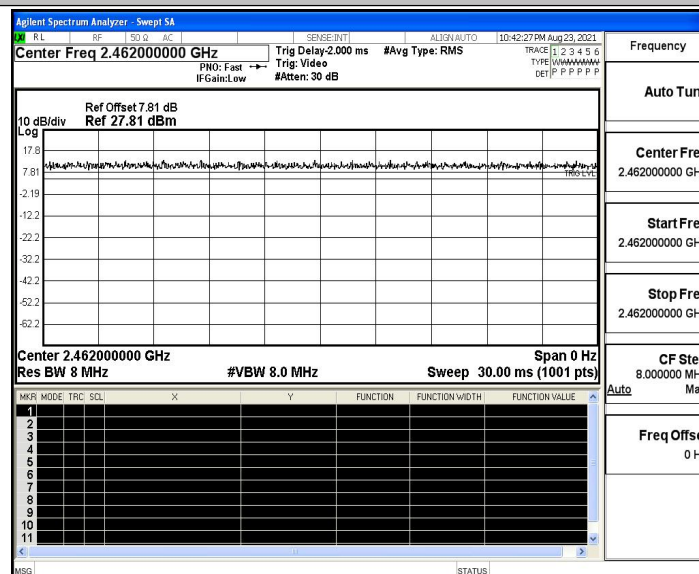
11N20SISO_Ant0_2412



11N20SISO_Ant0_2437

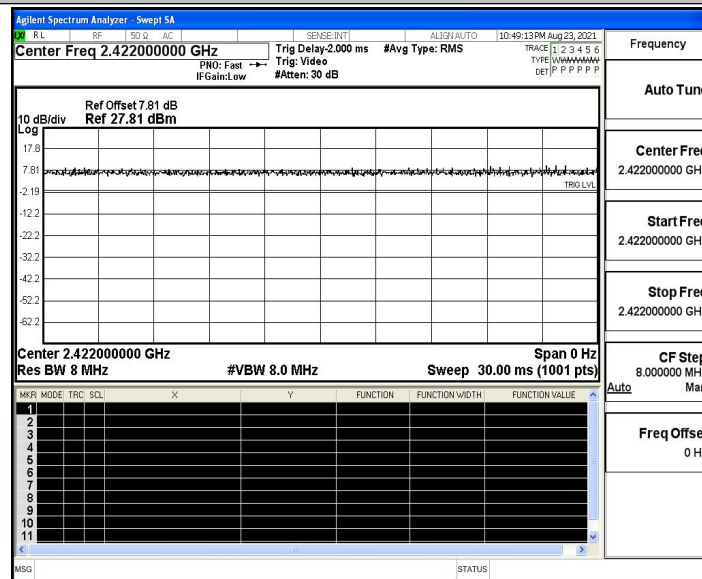


11N20SISO_Ant0_2462

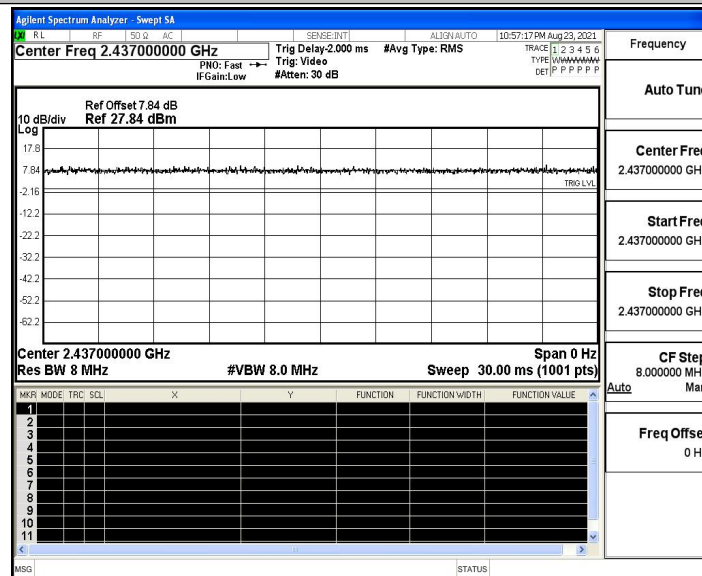




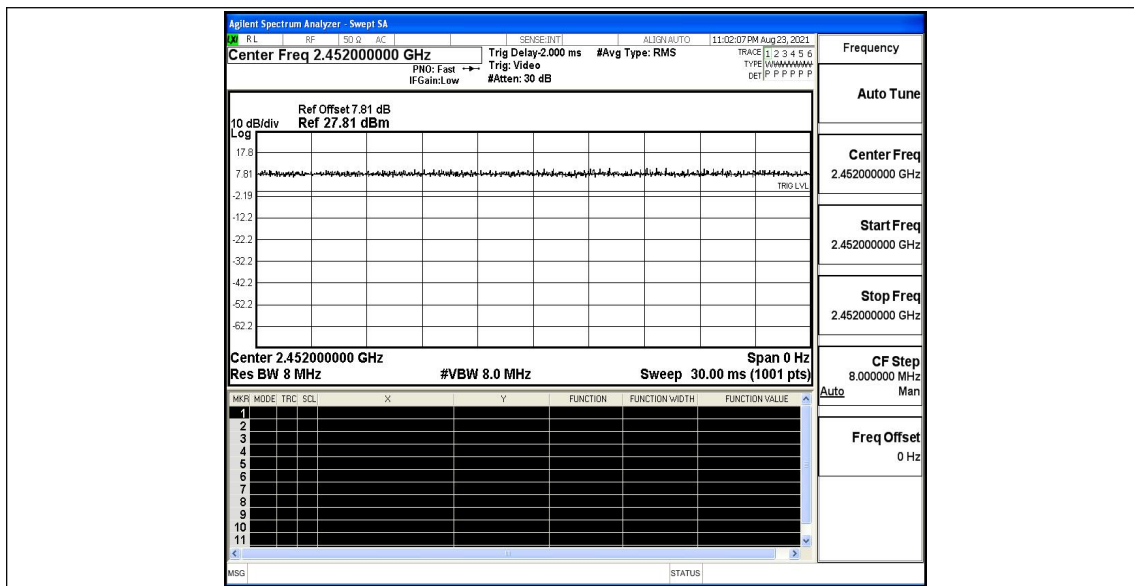
11N40SISO_Ant0_2422



11N40SISO_Ant0_2437



11N40SISO_Ant0_2452



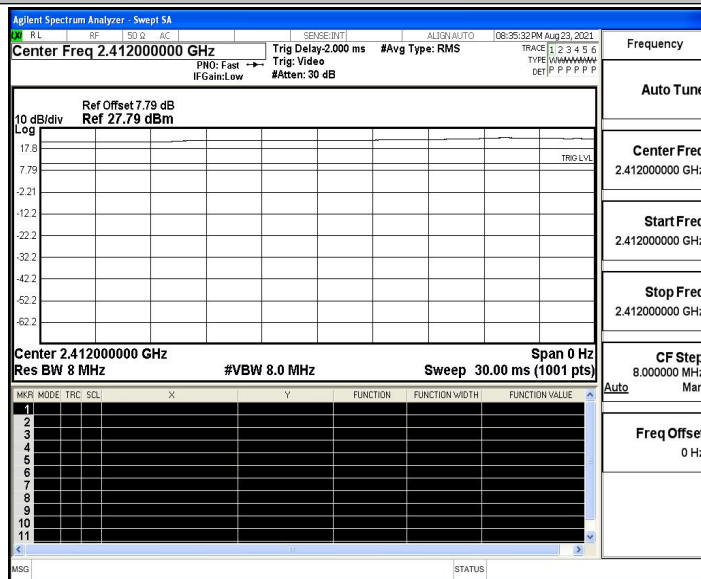
ANT1

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	30.00	30.00	100.00	---	PASS
		2437	30.00	30.00	100.00	---	PASS
		2462	30.00	30.00	100.00	---	PASS
11G	Ant1	2412	30.00	30.00	100.00	---	PASS
		2437	30.00	30.00	100.00	---	PASS
		2462	30.00	30.00	100.00	---	PASS
11N20SISO	Ant1	2412	1.89	2.89	65.40	---	PASS
		2437	30.00	30.00	100.00	---	PASS
		2462	30.00	30.00	100.00	---	PASS
11N40SISO	Ant1	2422	30.00	30.00	100.00	---	PASS
		2437	30.00	30.00	100.00	---	PASS
		2452	30.00	30.00	100.00	---	PASS

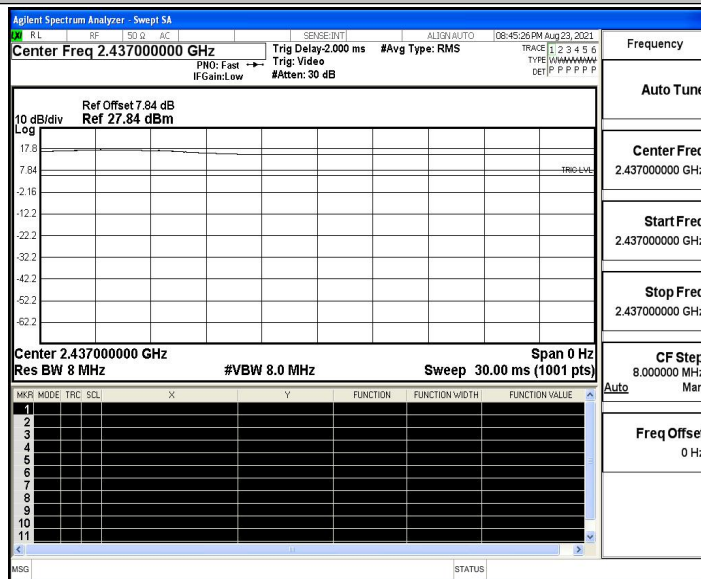


Test Graphs

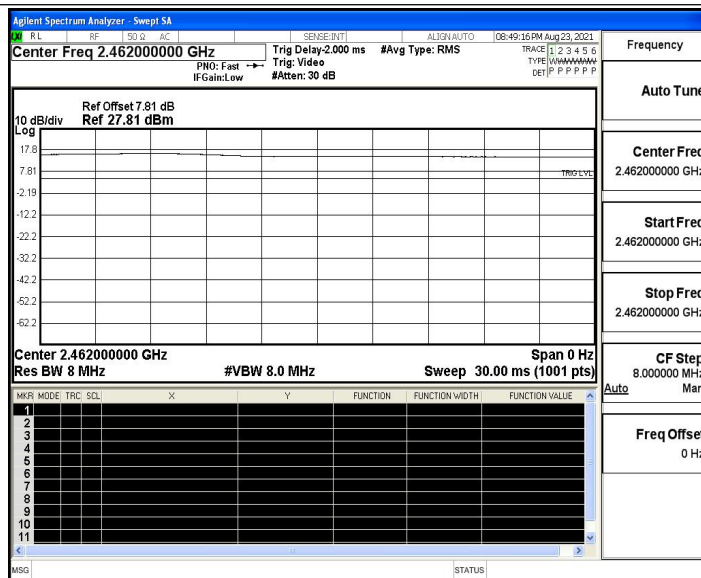
11B_Ant1_2412



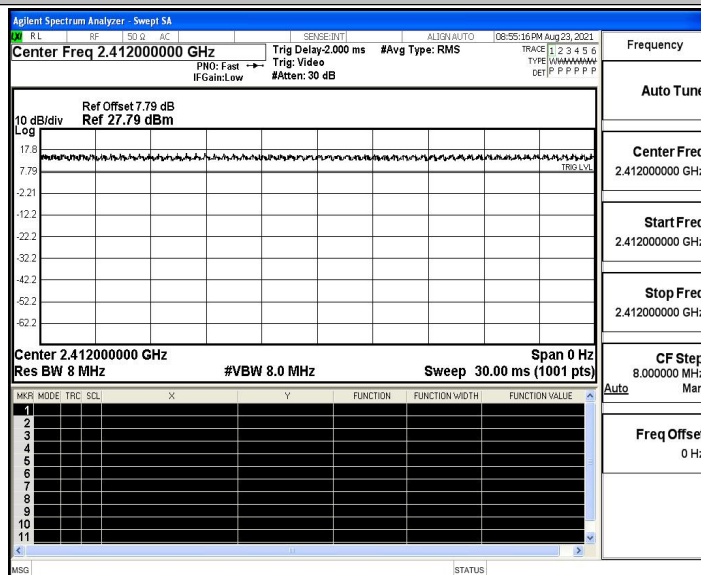
11B_Ant1_2437



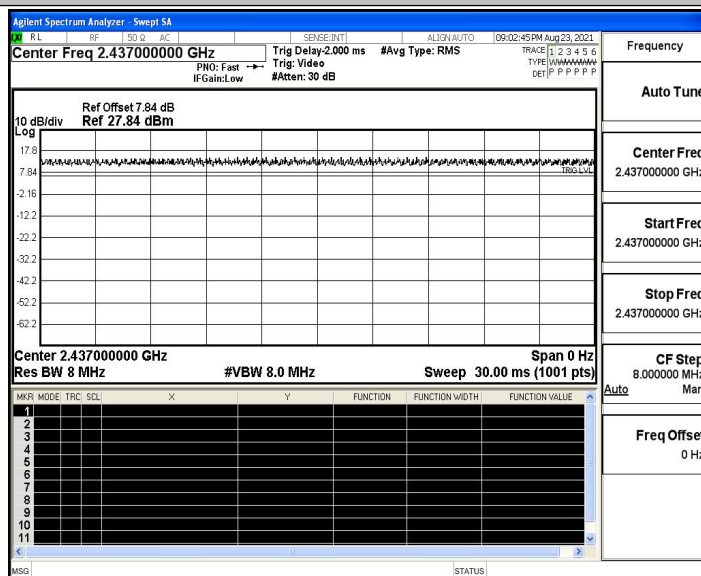
11B_Ant1_2462



11G_Ant1_2412

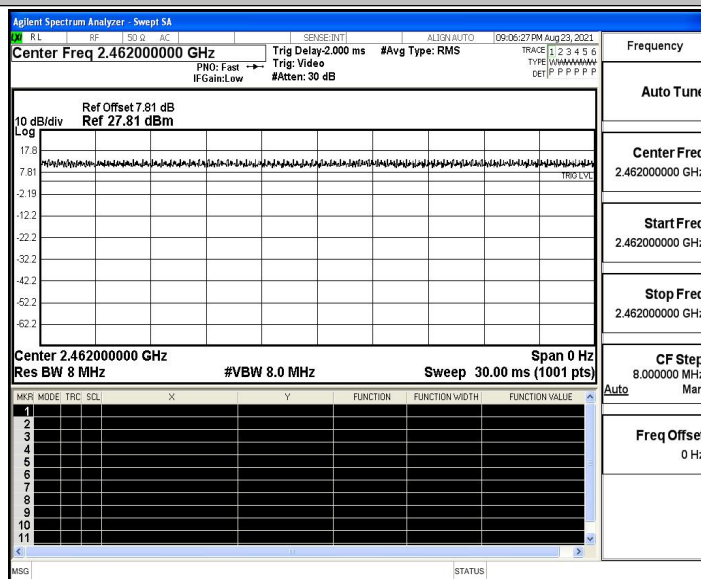


11G_Ant1_2437

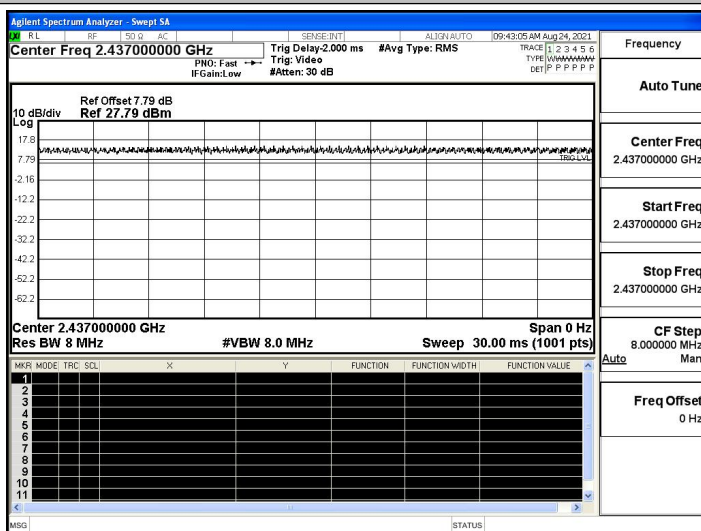




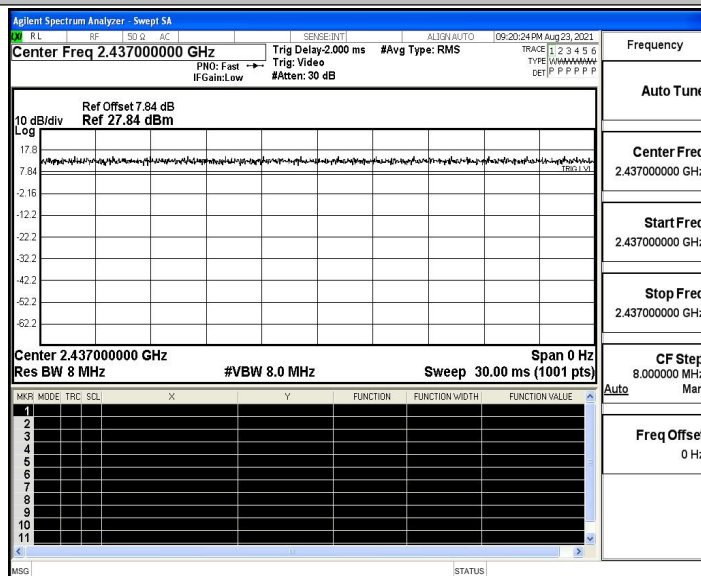
11G_Ant1_2462



11N20SISO_Ant1_2412

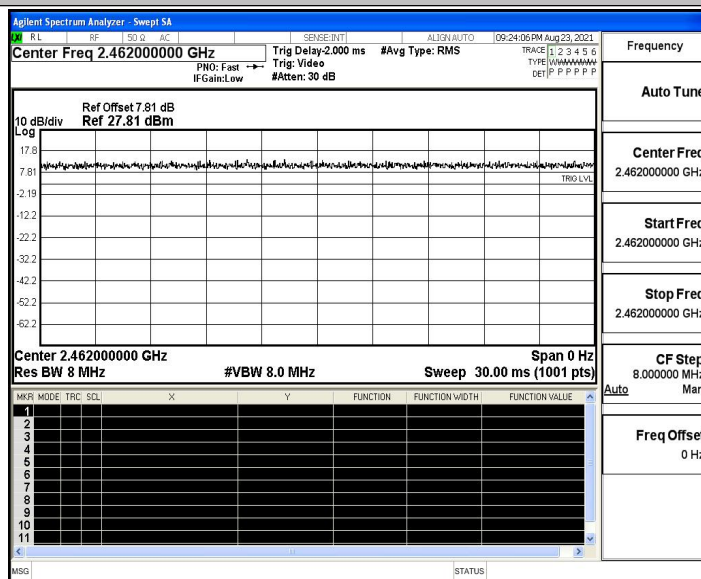


11N20SISO_Ant1_2437

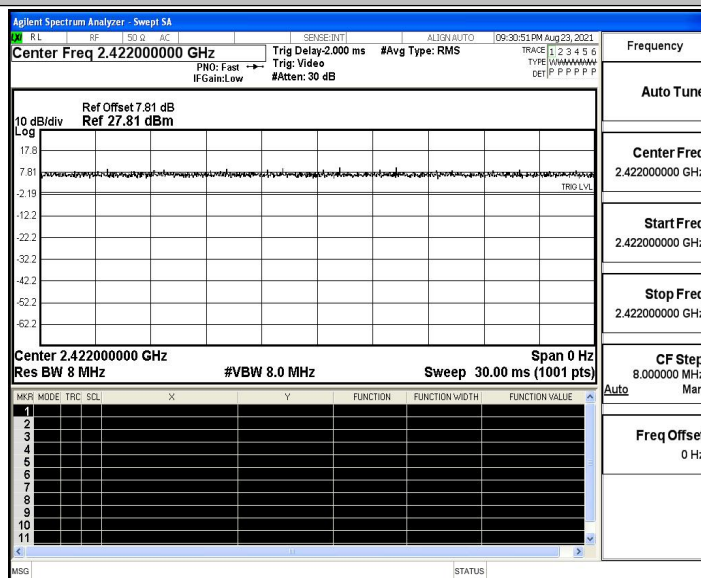




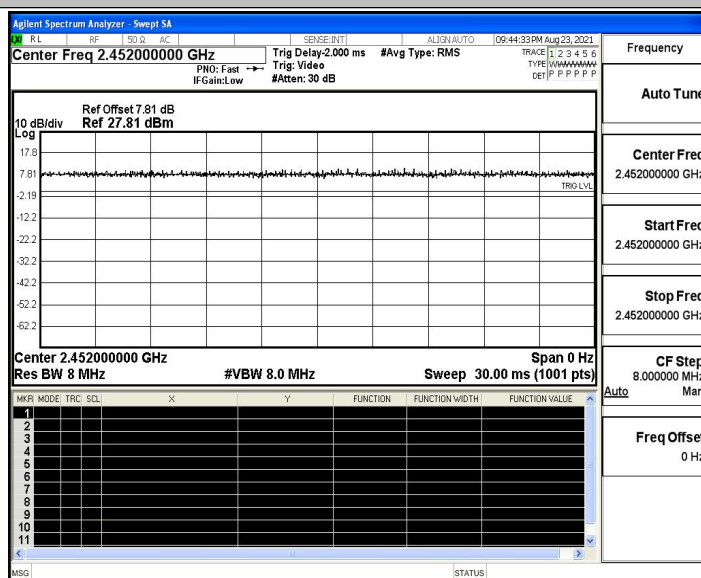
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437





A.2 Maximum conducted output power

Test Result

ANT0

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	2412	14.59	≤30	PASS
		2437	15.13	≤30	PASS
		2462	14.65	≤30	PASS
11G	Ant0	2412	14.50	≤30	PASS
		2437	15.37	≤30	PASS
		2462	14.73	≤30	PASS
11N20SISO	Ant0	2412	14.60	≤30	PASS
		2437	14.88	≤30	PASS
		2462	14.05	≤30	PASS
11N40SISO	Ant0	2422	13.48	≤30	PASS
		2437	13.81	≤30	PASS
		2452	13.73	≤30	PASS

ANT1

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.32	≤30	PASS
		2437	15.06	≤30	PASS
		2462	14.49	≤30	PASS
11G	Ant1	2412	15.32	≤30	PASS
		2437	15.35	≤30	PASS
		2462	14.80	≤30	PASS
11N20SISO	Ant1	2412	14.17	≤30	PASS
		2437	15.68	≤30	PASS
		2462	14.07	≤30	PASS
11N40SISO	Ant1	2422	13.50	≤30	PASS
		2437	13.81	≤30	PASS
		2452	13.41	≤30	PASS

MIMO

Mode	Channel	ANT 0 [dBm]	ANT 1 [dBm]	MIMO [dBm]	Limit [dBm]	Verdict
11N20	LCH	14.60	14.17	17.40	30	PASS
	MCH	14.88	15.68	18.31	30	PASS
	HCH	14.05	14.07	17.07	30	PASS
11N40	LCH	13.48	13.50	16.50	30	PASS
	MCH	13.81	13.81	16.82	30	PASS
	HCH	13.73	13.41	16.58	30	PASS



A.3 Maximum power spectral density

Test Result

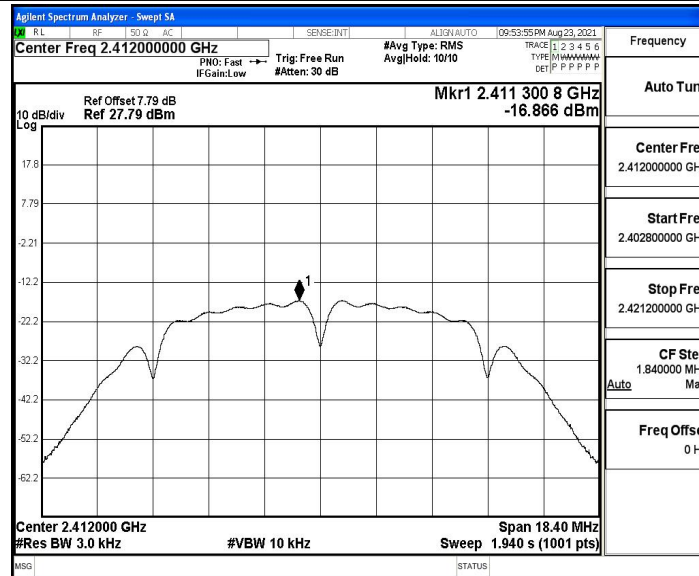
ANT0

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-16.87	≤8	PASS
		2437	-16.27	≤8	PASS
		2462	-16.69	≤8	PASS
11G	Ant0	2412	-18.39	≤8	PASS
		2437	-19.72	≤8	PASS
		2462	-19.58	≤8	PASS
11N20SISO	Ant0	2412	-19.85	≤8	PASS
		2437	-19.88	≤8	PASS
		2462	-20.84	≤8	PASS
11N40SISO	Ant0	2422	-22.2	≤8	PASS
		2437	-21.85	≤8	PASS
		2452	-22.36	≤8	PASS

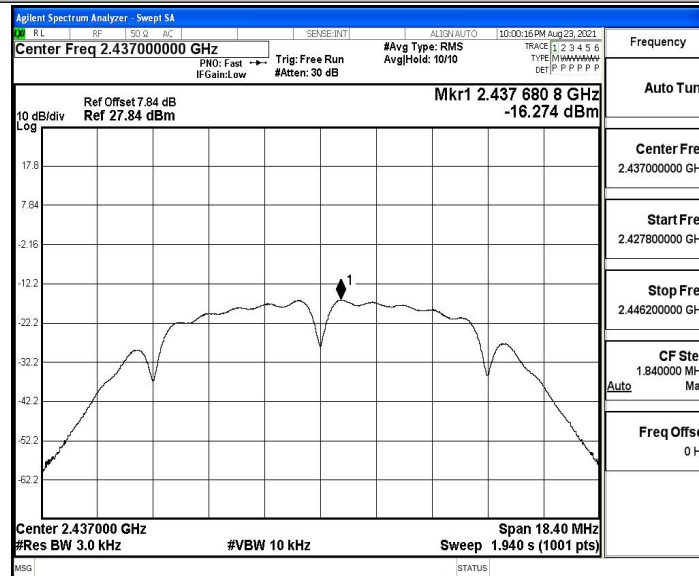


Test Graphs

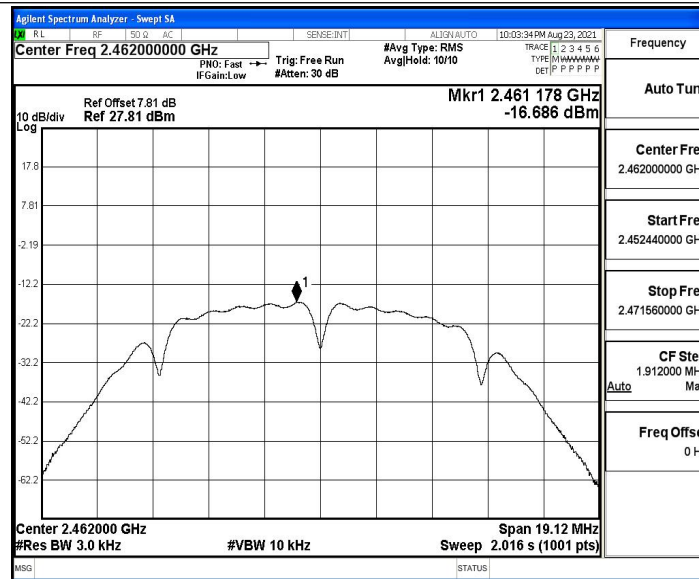
11B_Ant0_2412



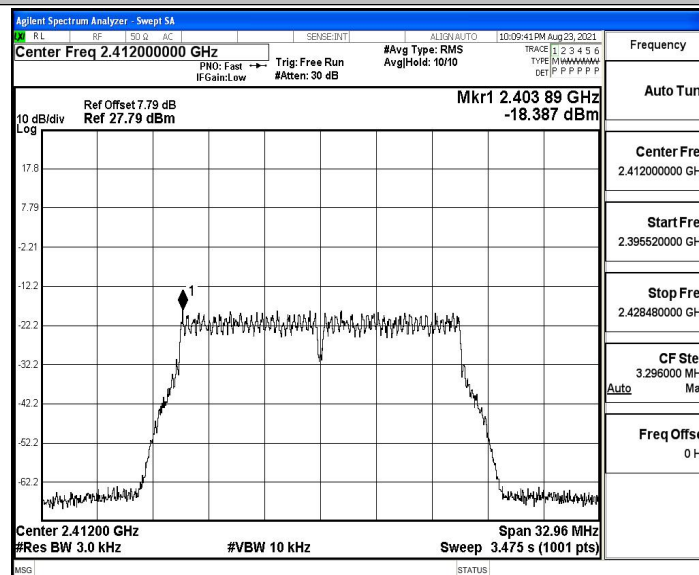
11B_Ant0_2437



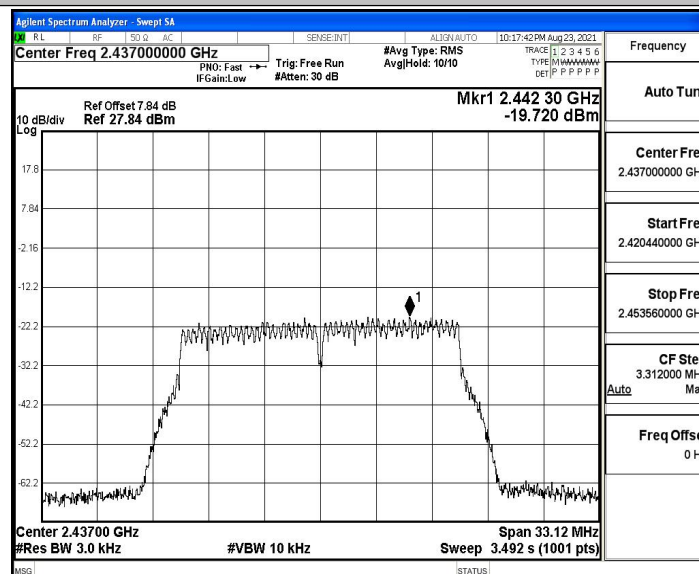
11B_Ant0_2462



11G_Ant0_2412

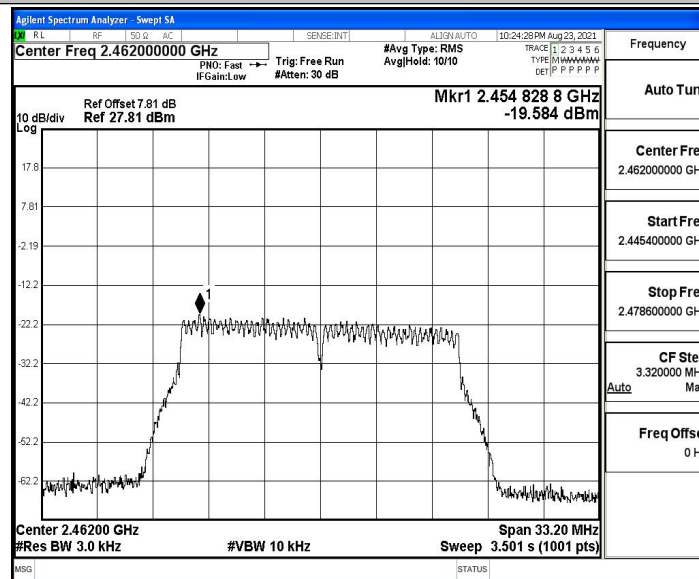


11G_Ant0_2437

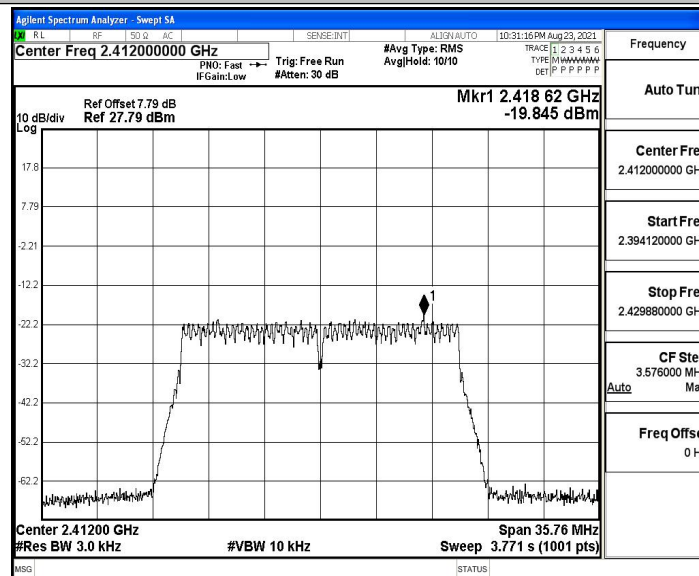




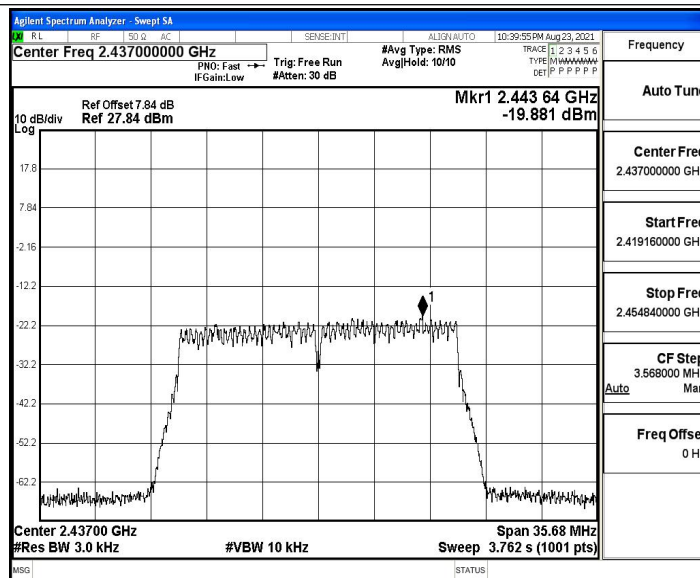
11G_Ant0_2462



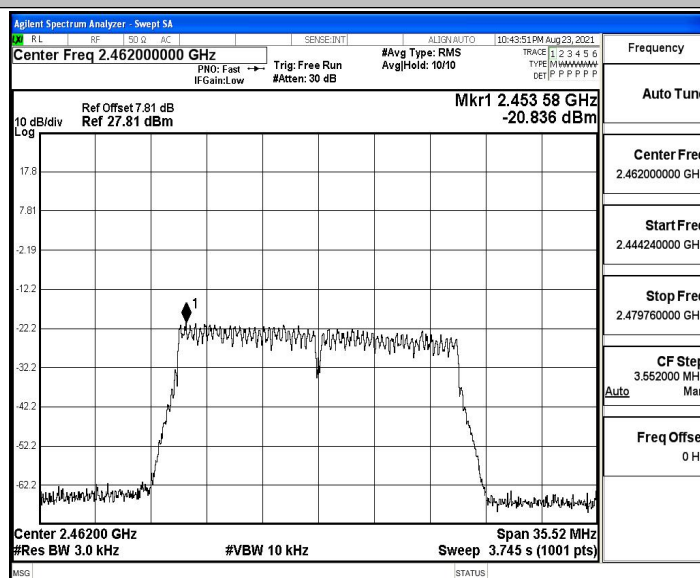
11N20SISO_Ant0_2412



11N20SISO_Ant0_2437



11N20SISO_Ant0_2462



11N40SISO_Ant0_2422

