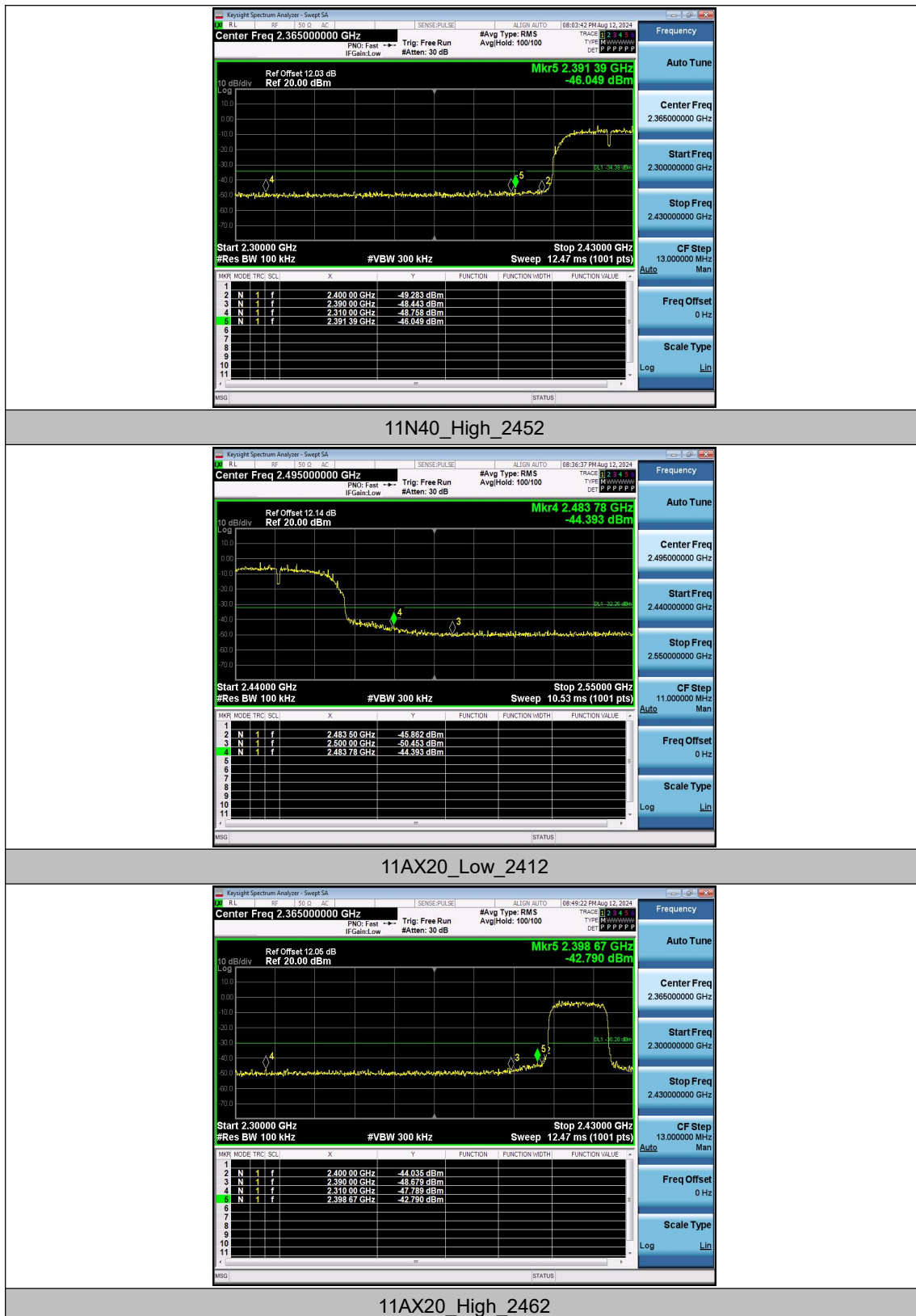
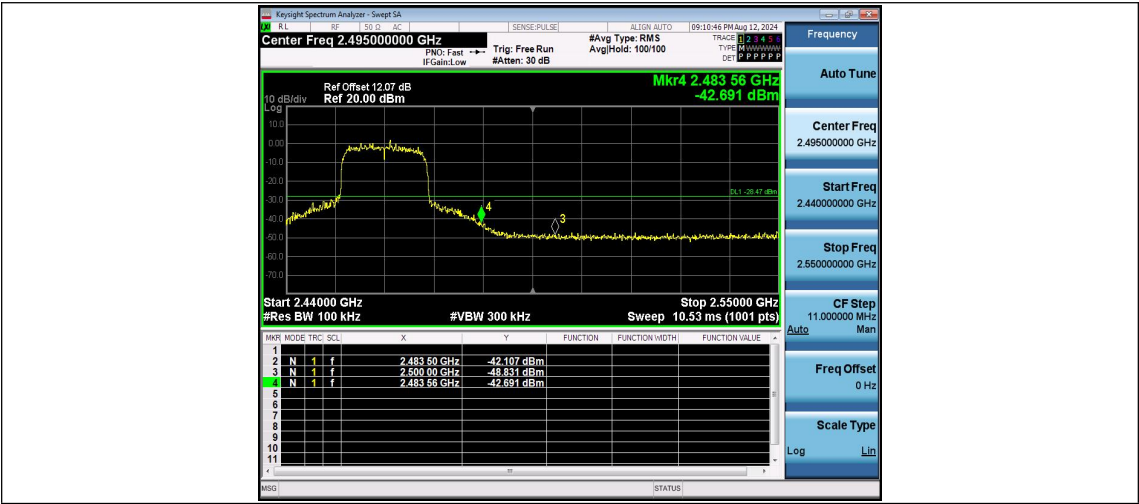
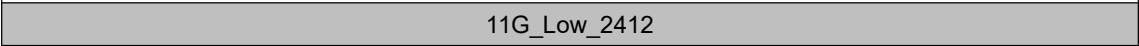
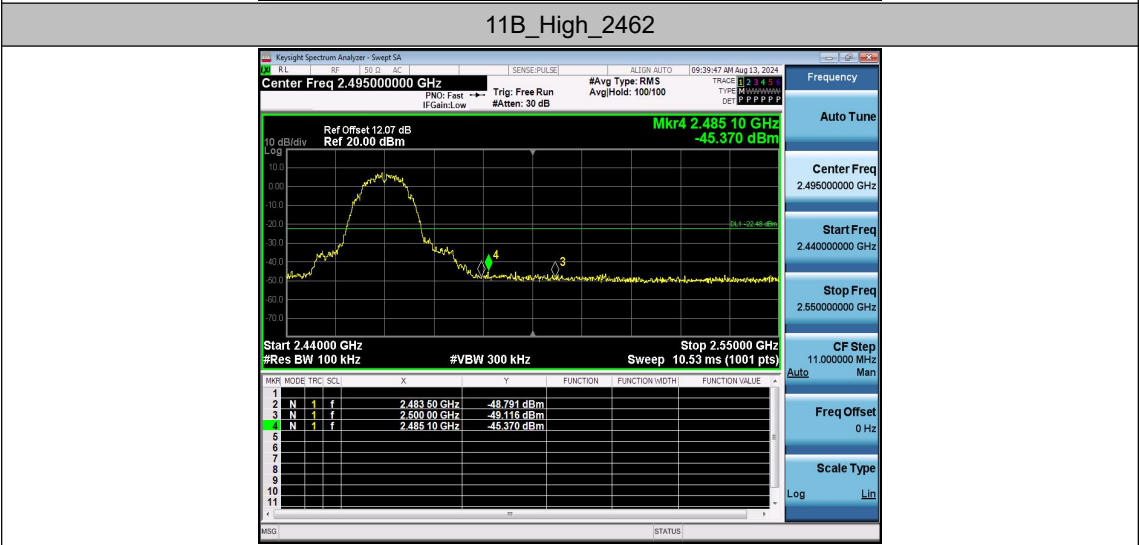
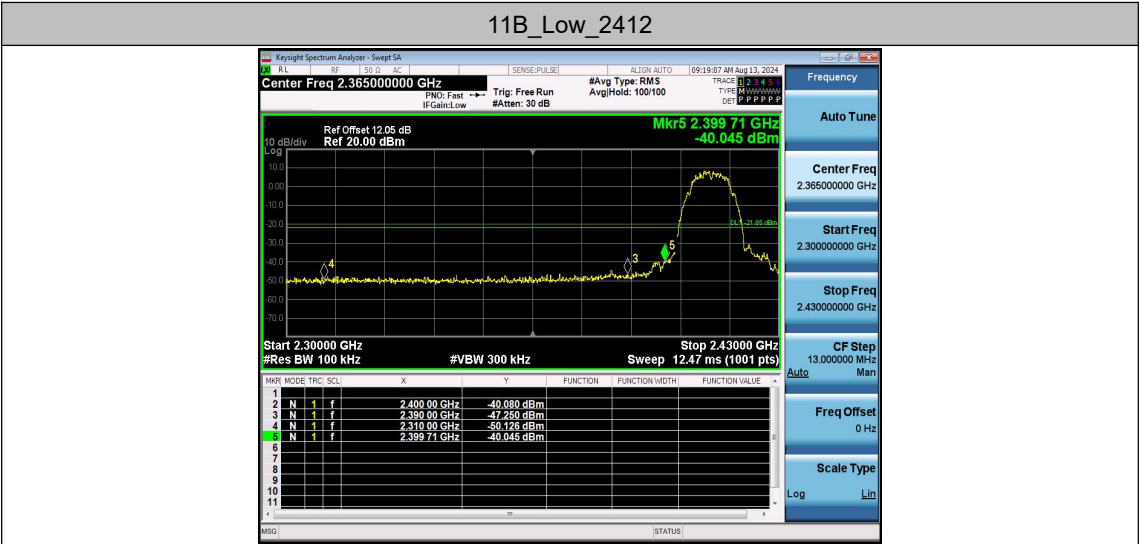


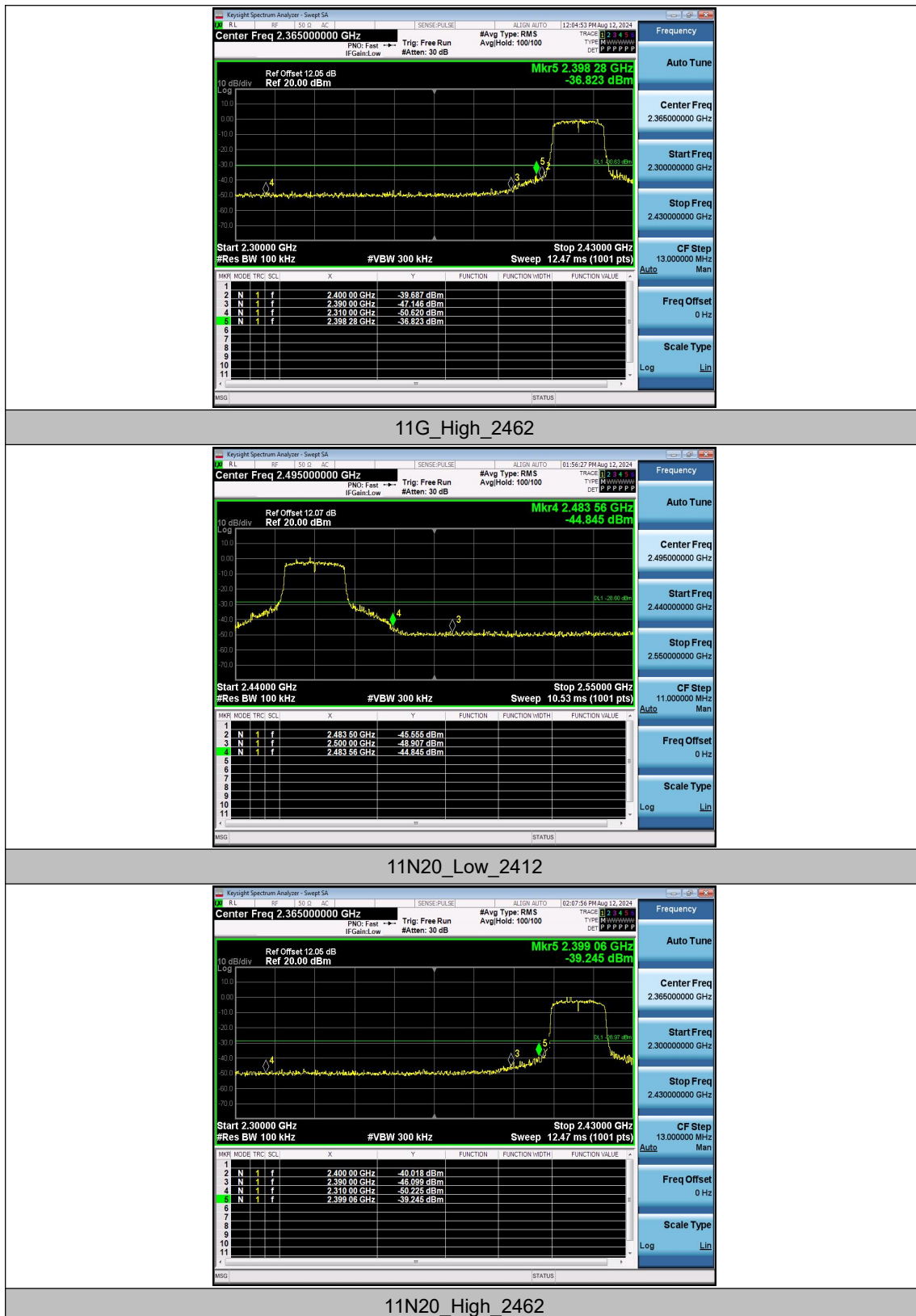


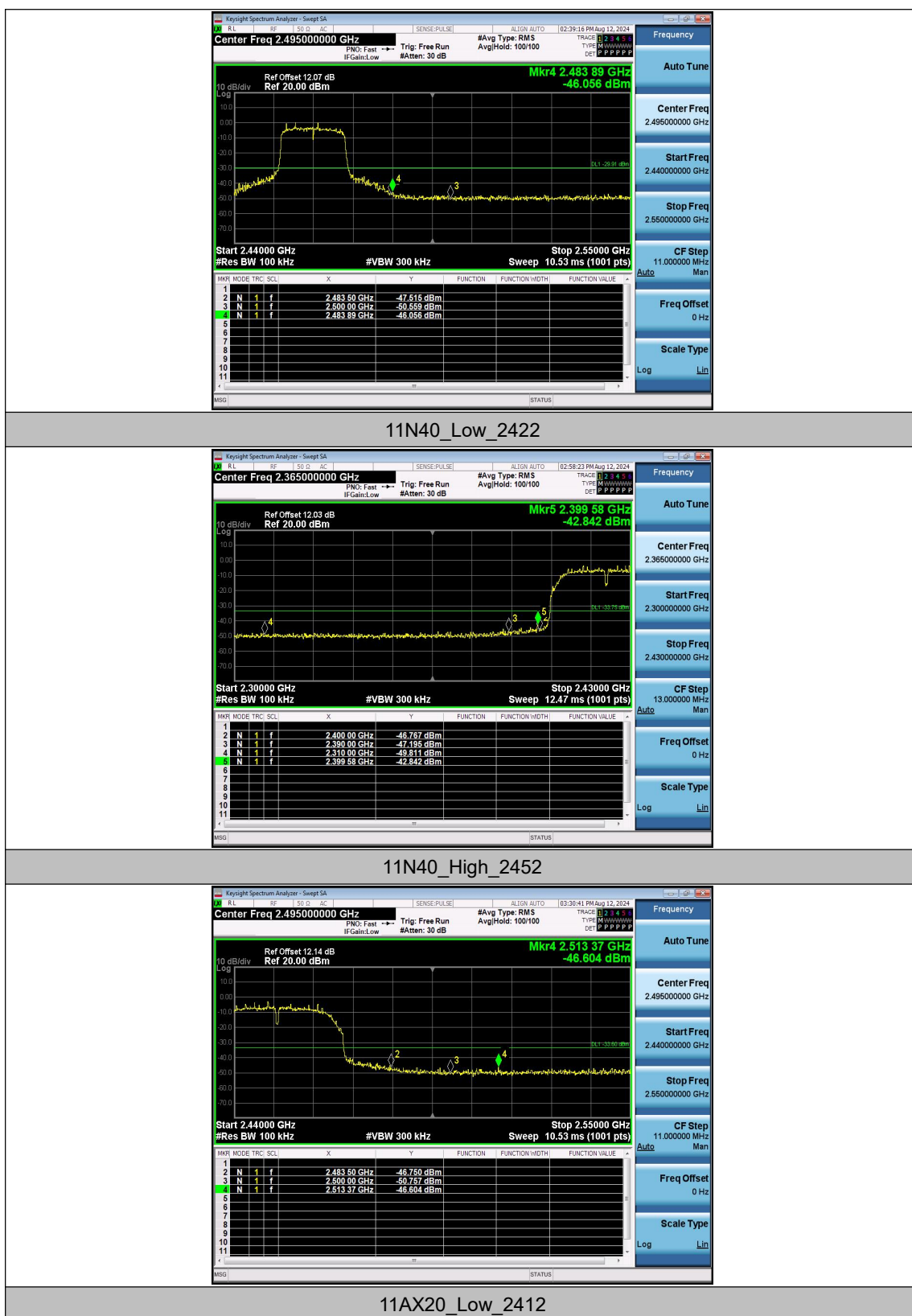




External PCB antenna









Appendix E: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Onboard PCB antenna	2412	30~1000	5.54	-51.95	≤-24.46	PASS
			1000~26500	5.54	-44.47	≤-24.46	PASS
		2437	30~1000	4.88	-59.09	≤-25.12	PASS
			1000~26500	4.88	-45.01	≤-25.12	PASS
		2462	30~1000	10.07	-52.33	≤-19.93	PASS
			1000~26500	10.07	-44.29	≤-19.93	PASS
11G	Onboard PCB antenna	2412	30~1000	-0.34	-58.62	≤-30.34	PASS
			1000~26500	-0.34	-44.44	≤-30.34	PASS
		2437	30~1000	-3.59	-58.89	≤-33.59	PASS
			1000~26500	-3.59	-44.6	≤-33.59	PASS
		2462	30~1000	2.36	-54.74	≤-27.64	PASS
			1000~26500	2.36	-44.18	≤-27.64	PASS
11N20	Onboard PCB antenna	2412	30~1000	-2.47	-58.63	≤-32.47	PASS
			1000~26500	-2.47	-44.84	≤-32.47	PASS
		2437	30~1000	-2.05	-54.05	≤-32.05	PASS
			1000~26500	-2.05	-44.68	≤-32.05	PASS
		2462	30~1000	1.13	-59.23	≤-28.87	PASS
			1000~26500	1.13	-44.29	≤-28.87	PASS
11N40	Onboard PCB antenna	2422	30~1000	-4.39	-54.05	≤-34.39	PASS
			1000~26500	-4.39	-44.24	≤-34.39	PASS
		2437	30~1000	-4.56	-58.08	≤-34.56	PASS
			1000~26500	-4.56	-44.52	≤-34.56	PASS
		2452	30~1000	-2.26	-52.28	≤-32.26	PASS
			1000~26500	-2.26	-42.96	≤-32.26	PASS
11AX20	Onboard PCB antenna	2412	30~1000	-0.28	-56.41	≤-30.28	PASS
			1000~26500	-0.28	-44.23	≤-30.28	PASS
		2437	30~1000	-2.06	-51.85	≤-32.06	PASS
			1000~26500	-2.06	-44.25	≤-32.06	PASS
		2462	30~1000	1.53	-58.82	≤-28.47	PASS
			1000~26500	1.53	-43.38	≤-28.47	PASS

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	External PCB antenna	2412	30~1000	8.15	-58.84	≤-21.85	PASS
			1000~26500	8.15	-44.2	≤-21.85	PASS
		2437	30~1000	5.98	-58.82	≤-24.02	PASS
			1000~26500	5.98	-43.41	≤-24.02	PASS
		2462	30~1000	7.52	-58.97	≤-22.48	PASS
			1000~26500	7.52	-44.13	≤-22.48	PASS
11G	External PCB antenna	2412	30~1000	-0.63	-58.76	≤-30.63	PASS
			1000~26500	-0.63	-44.64	≤-30.63	PASS
		2437	30~1000	-0.83	-58.64	≤-30.83	PASS
			1000~26500	-0.83	-44.04	≤-30.83	PASS
		2462	30~1000	1.40	-59.82	≤-28.6	PASS
			1000~26500	1.40	-43.48	≤-28.6	PASS
11N20	External PCB antenna	2412	30~1000	1.03	-59.05	≤-28.97	PASS
			1000~26500	1.03	-43.76	≤-28.97	PASS
		2437	30~1000	-2.23	-58.17	≤-32.23	PASS
			1000~26500	-2.23	-44.34	≤-32.23	PASS
		2462	30~1000	0.09	-58.91	≤-29.91	PASS
			1000~26500	0.09	-44.4	≤-29.91	PASS
11N40	External PCB antenna	2422	30~1000	-3.75	-59.15	≤-33.75	PASS
			1000~26500	-3.75	-43.44	≤-33.75	PASS
		2437	30~1000	-4.45	-58.43	≤-34.45	PASS
			1000~26500	-4.45	-43.46	≤-34.45	PASS
		2452	30~1000	-3.60	-58.85	≤-33.6	PASS
			1000~26500	-3.60	-44.25	≤-33.6	PASS
11AX20	External PCB antenna	2412	30~1000	0.07	-58.47	≤-29.93	PASS
			1000~26500	0.07	-43.62	≤-29.93	PASS
		2437	30~1000	-2.99	-58.74	≤-32.99	PASS
			1000~26500	-2.99	-43.39	≤-32.99	PASS
		2462	30~1000	-0.56	-58.64	≤-30.56	PASS
			1000~26500	-0.56	-43.07	≤-30.56	PASS

Test Graphs

Onboard PCB antenna

