

Appendix

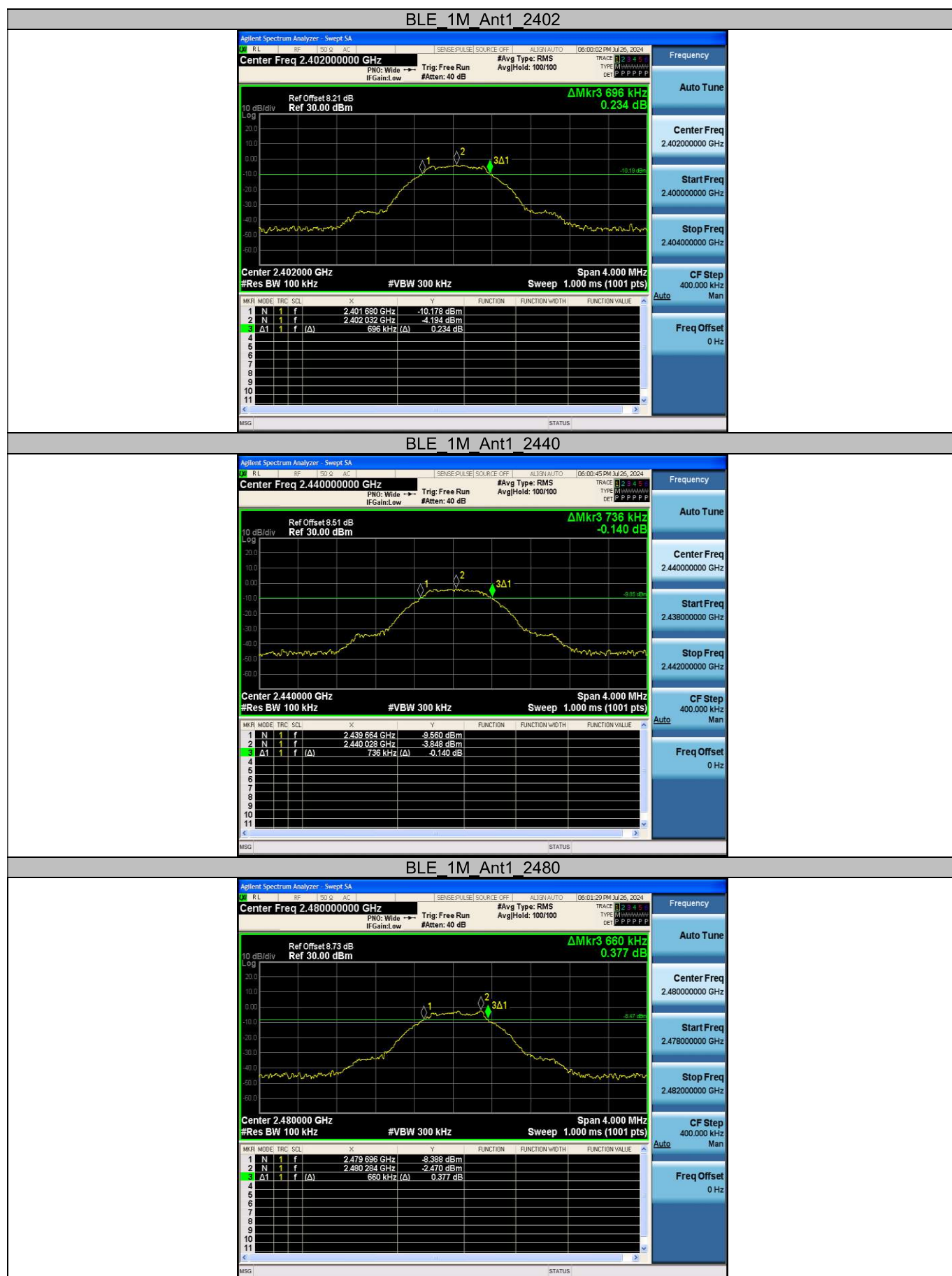
Both left and right earphones were tested, and the data was only retained for the poor left earphone

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.696	0.5	PASS
		2440	0.736	0.5	PASS
		2480	0.660	0.5	PASS
BLE_2M	Ant1	2402	1.076	0.5	PASS
		2440	1.168	0.5	PASS
		2480	1.124	0.5	PASS

Test Graphs



BLE 2M Ant1 2402

BLE 2M Ant1 2440

BLE 2M Ant1 2480


Appendix B: Maximum conducted output power

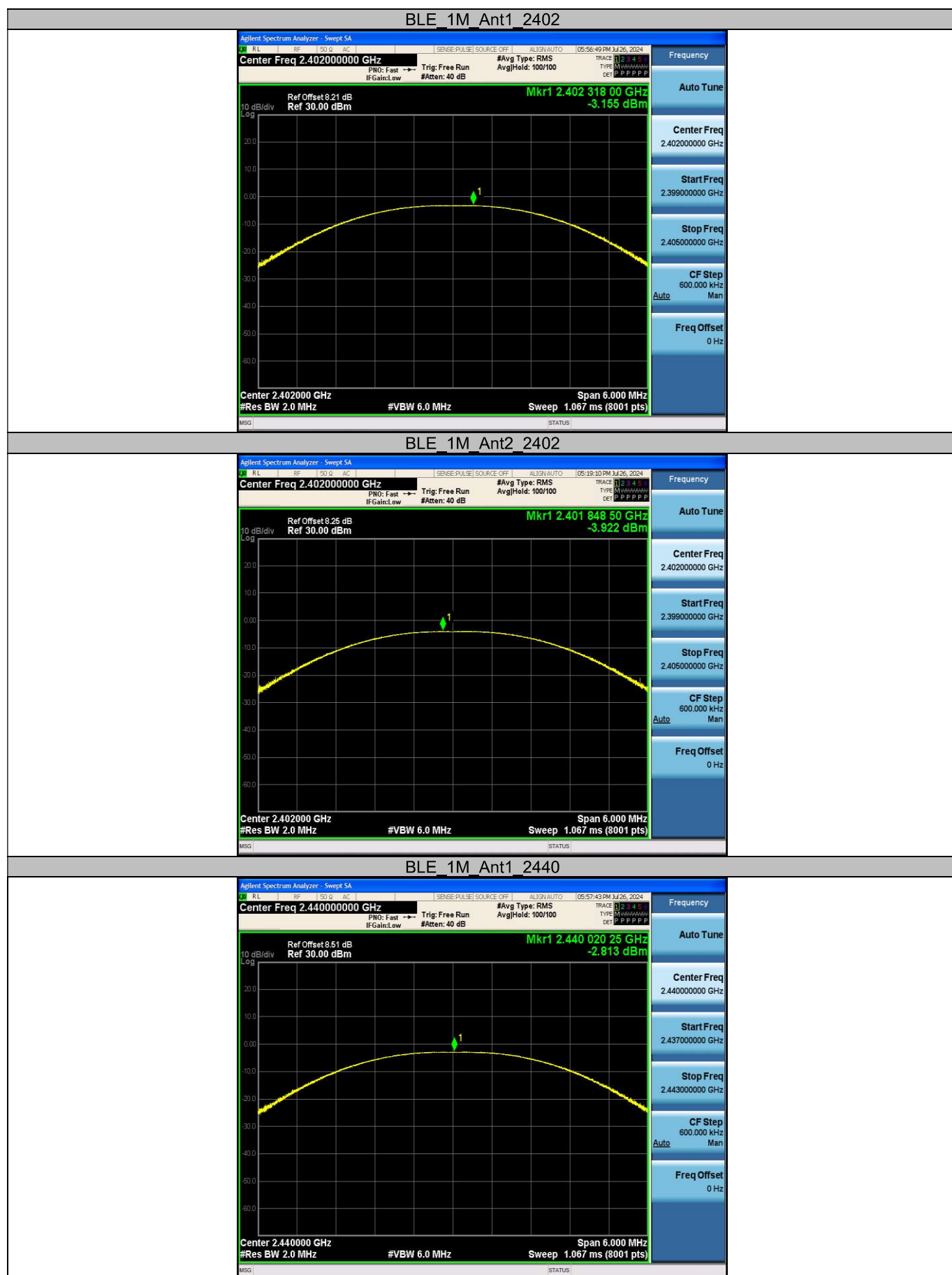
Test Result-Peak

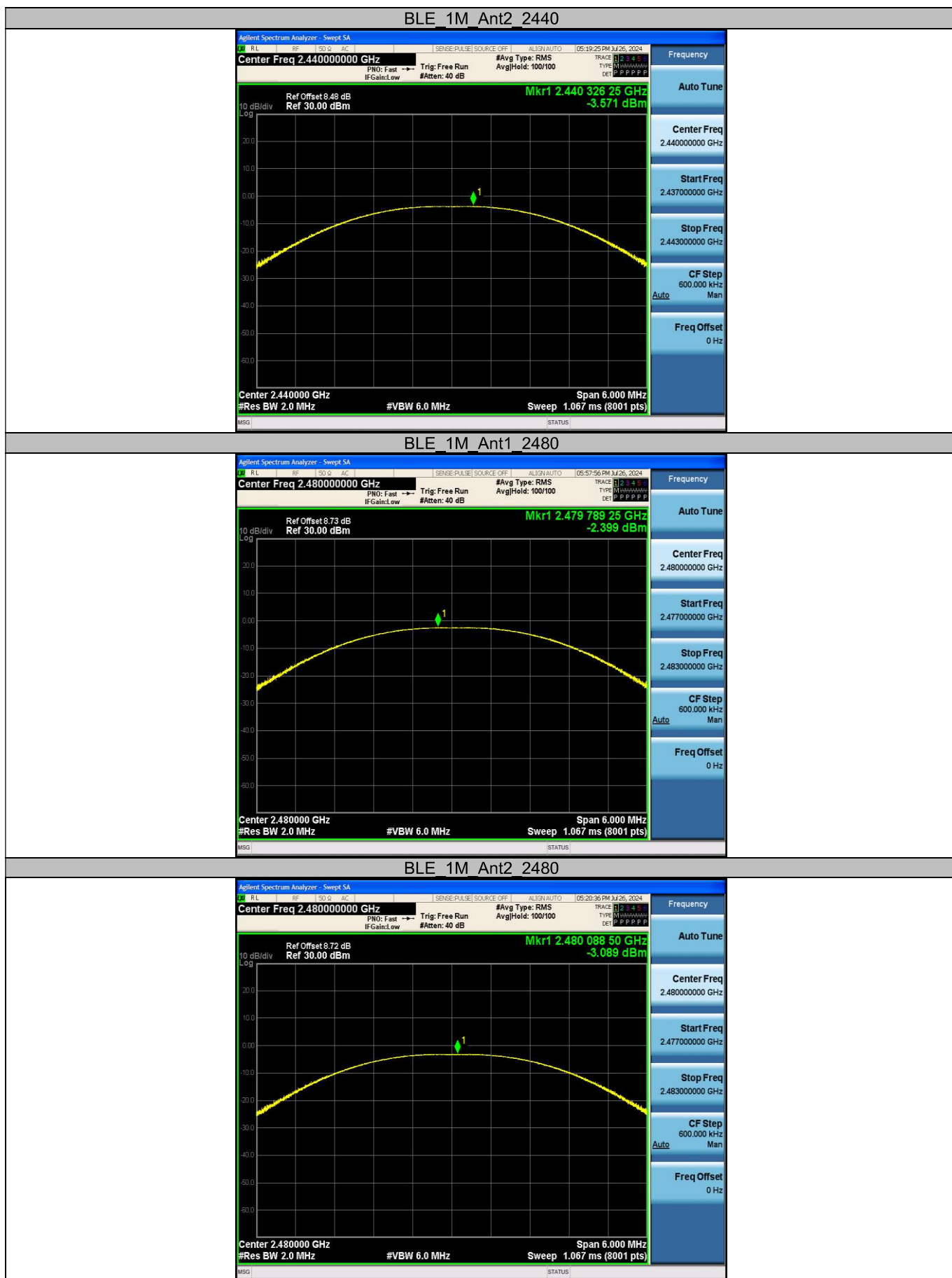
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-3.16	≤30	PASS
	Ant2	2402	-3.92	≤30	PASS
	Ant1	2440	-2.81	≤30	PASS
	Ant2	2440	-3.57	≤30	PASS
	Ant1	2480	-2.40	≤30	PASS
	Ant2	2480	-3.09	≤30	PASS
BLE_2M	Ant1	2402	-3.07	≤30	PASS
	Ant2	2402	-3.93	≤30	PASS
	Ant1	2440	-2.80	≤30	PASS
	Ant2	2440	-3.64	≤30	PASS
	Ant1	2480	-1.91	≤30	PASS
	Ant2	2480	-3.05	≤30	PASS

Ant1: L

Ant2: R

Test Graphs





BLE 2M Ant1 2402

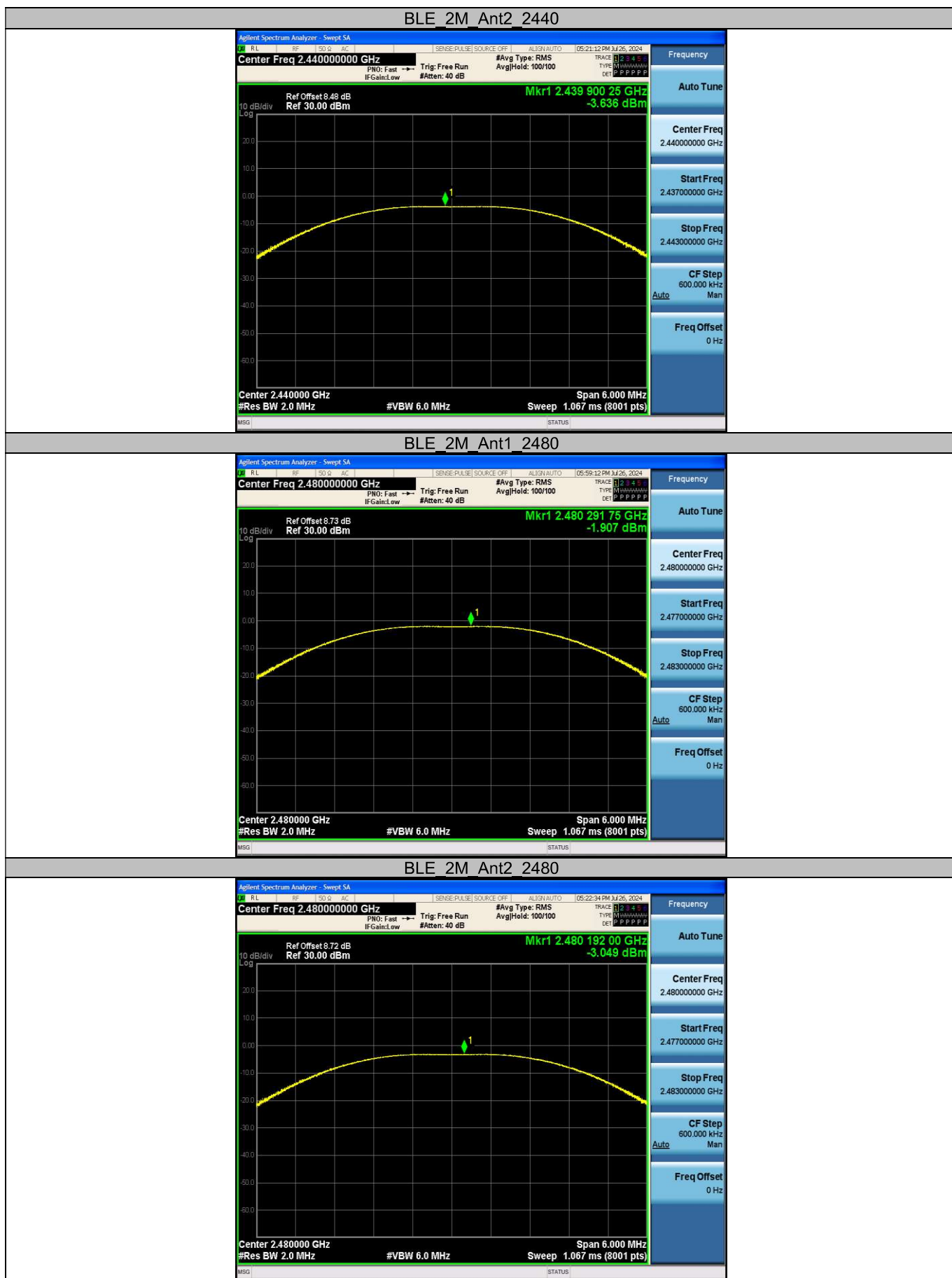


BLE 2M Ant2 2402



BLE 2M Ant1 2440



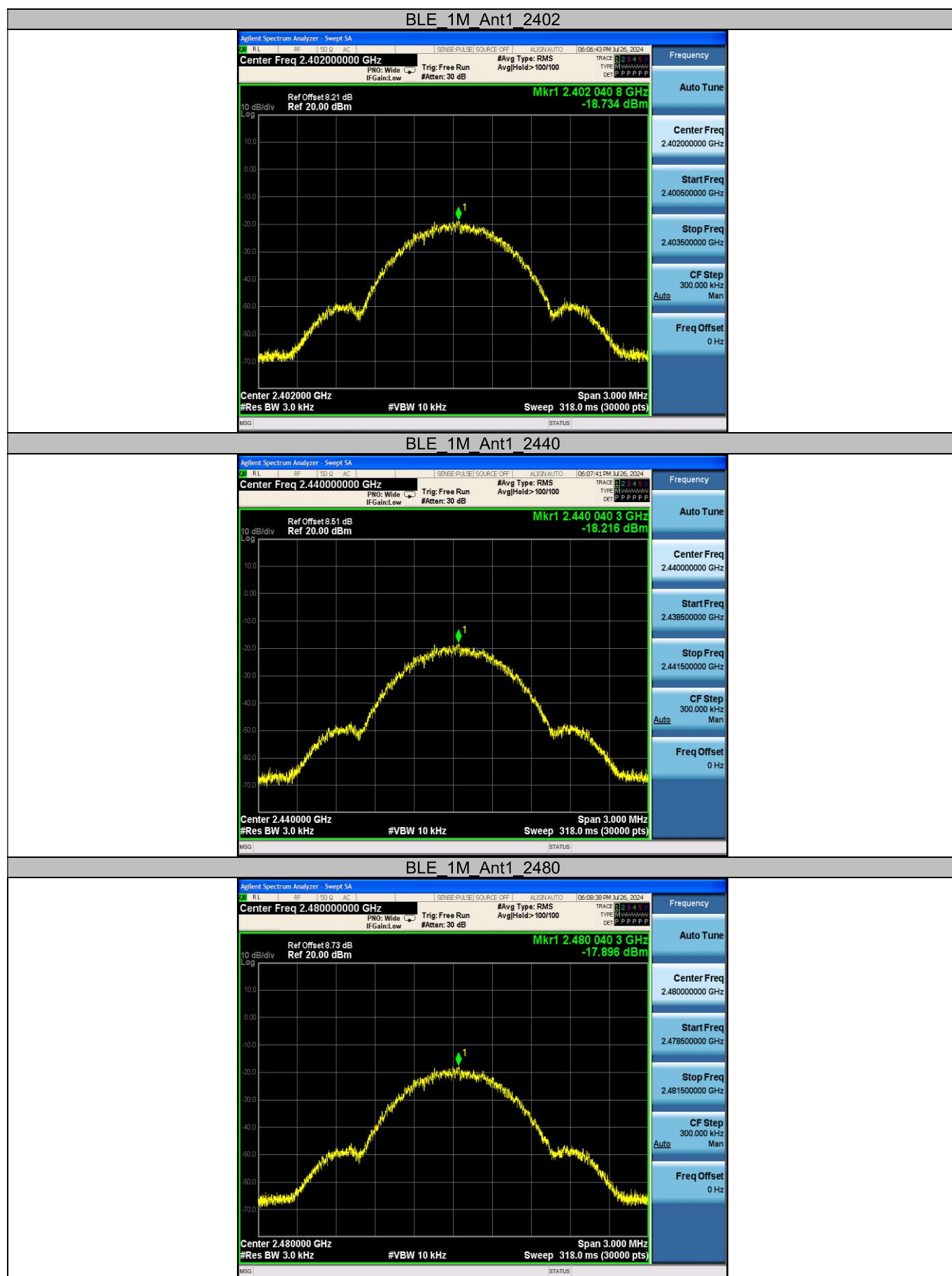


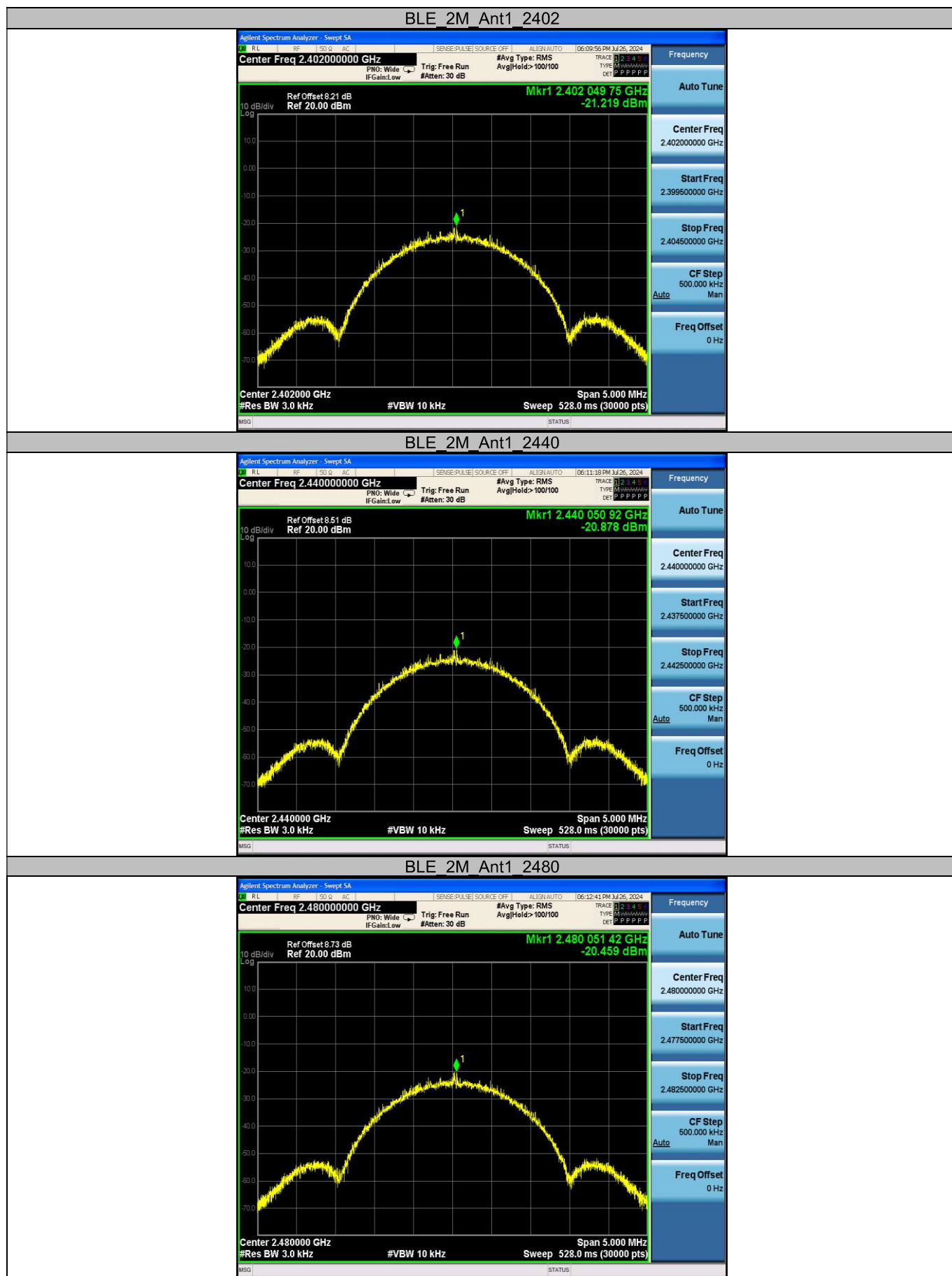
Appendix C: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.73	≤8.00	PASS
		2440	-18.22	≤8.00	PASS
		2480	-17.90	≤8.00	PASS
BLE_2M	Ant1	2402	-21.22	≤8.00	PASS
		2440	-20.88	≤8.00	PASS
		2480	-20.46	≤8.00	PASS

Test Graphs

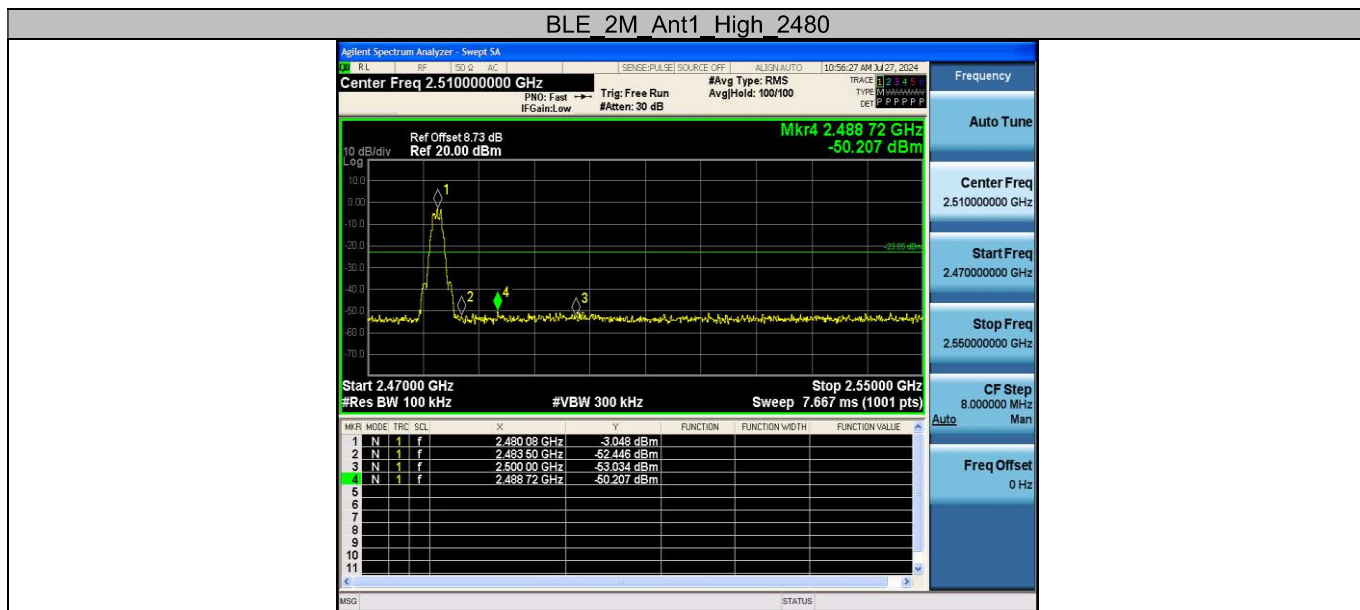




Appendix D: Band edge measurements

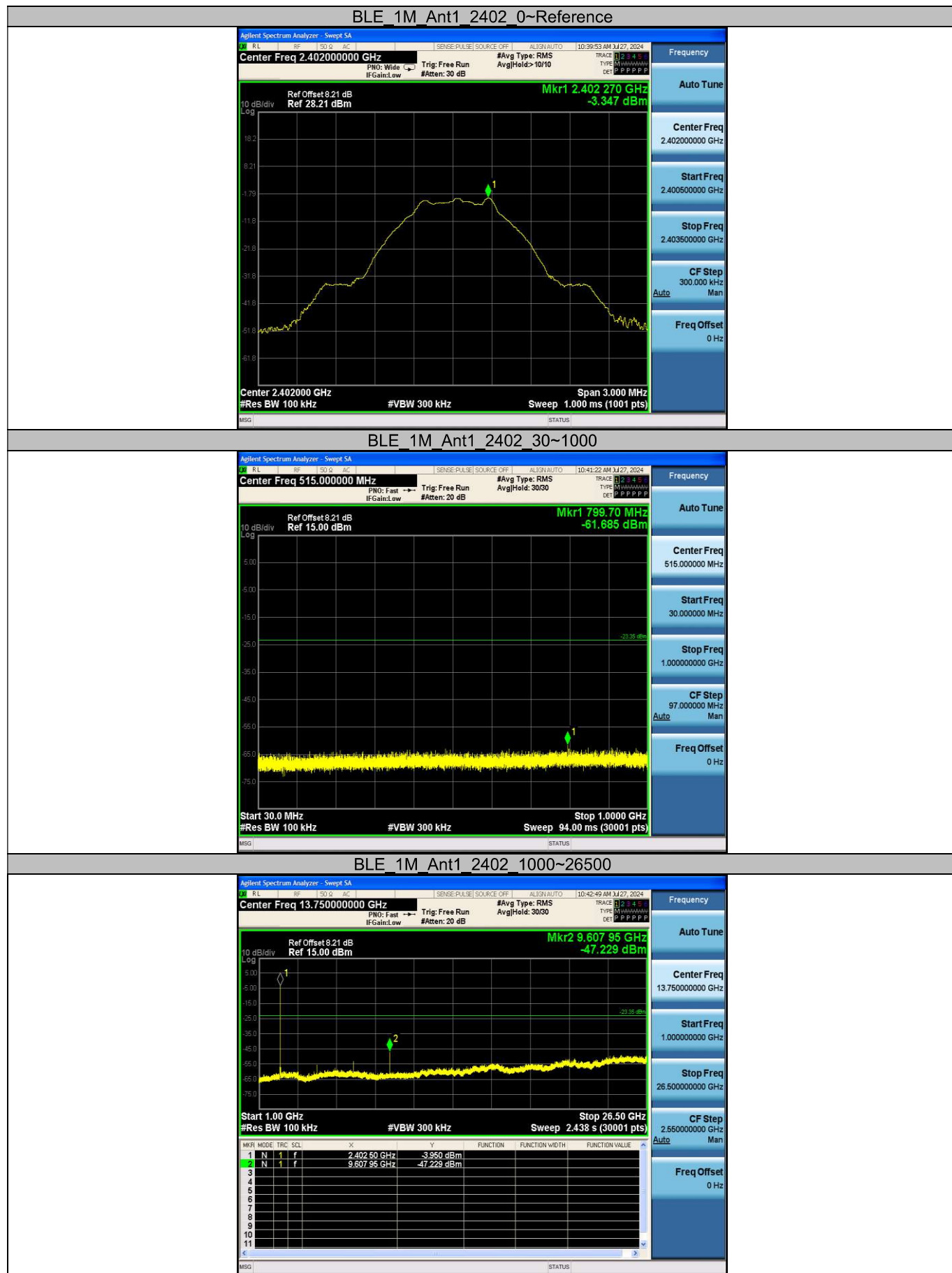
Test Graphs





Appendix E: Conducted Spurious Emission

Test Graphs













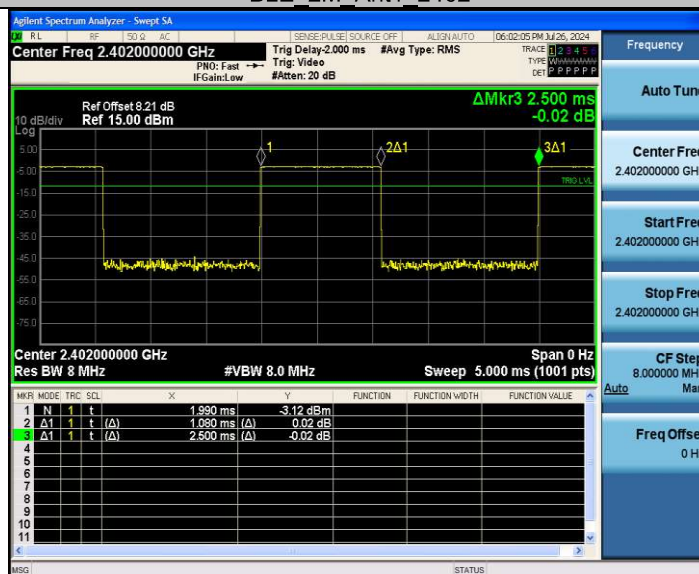
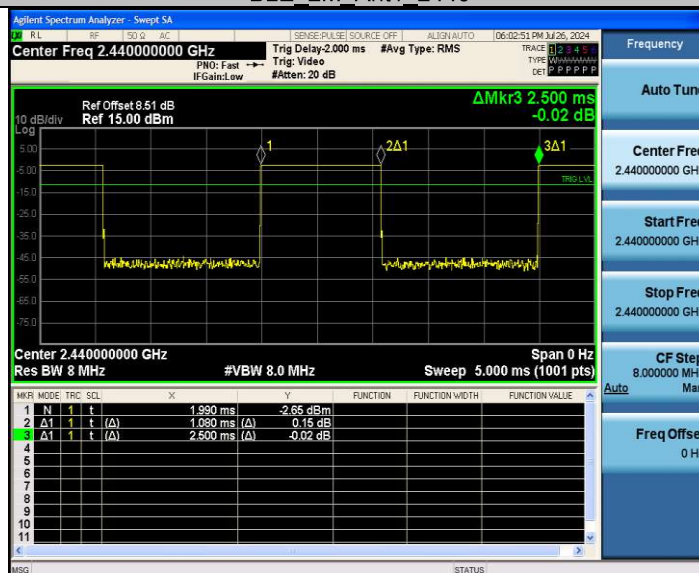
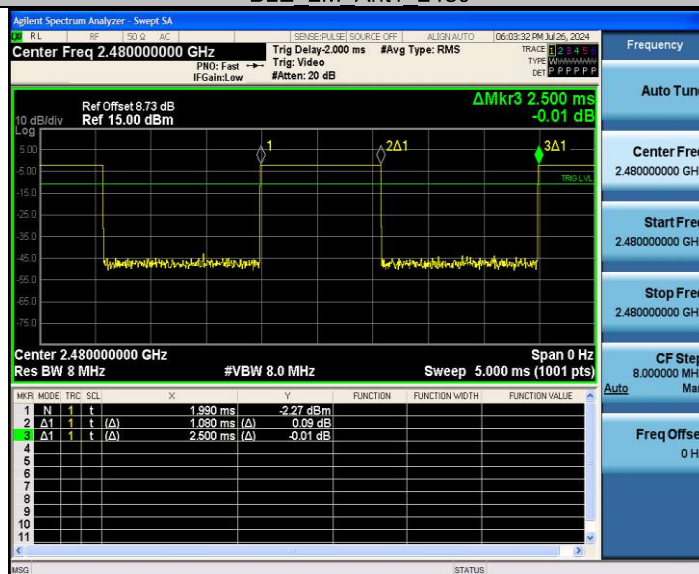
Appendix F: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.14	2.50	85.60	0.68
		2440	2.14	2.50	85.60	0.68
		2480	2.14	2.50	85.60	0.68
BLE_2M	Ant1	2402	1.08	2.50	43.20	3.65
		2440	1.08	2.50	43.20	3.65
		2480	1.08	2.50	43.20	3.65

Test Graphs



BLE 2M Ant1_2402

BLE 2M Ant1_2440

BLE 2M Ant1_2480


----End of Report----