

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	0.700	0.5	PASS
		2480	0.668	0.5	PASS
BLE_2M	Ant1	2402	1.232	0.5	PASS
		2440	1.232	0.5	PASS
		2480	1.212	0.5	PASS

Test Graphs

BLE 1M Ant1 2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1_2402



BLE 2M Ant1_2440



BLE 2M Ant1_2480

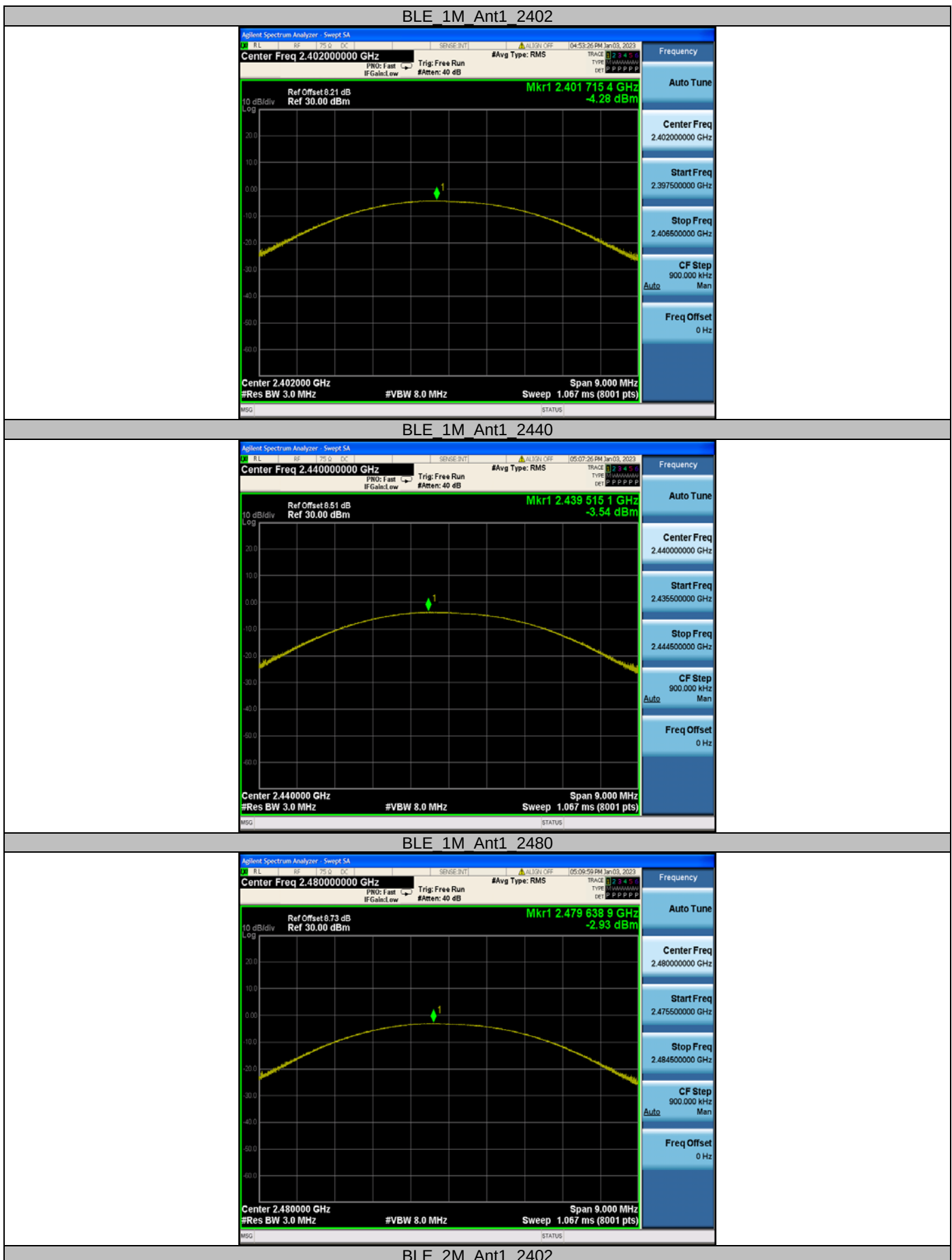


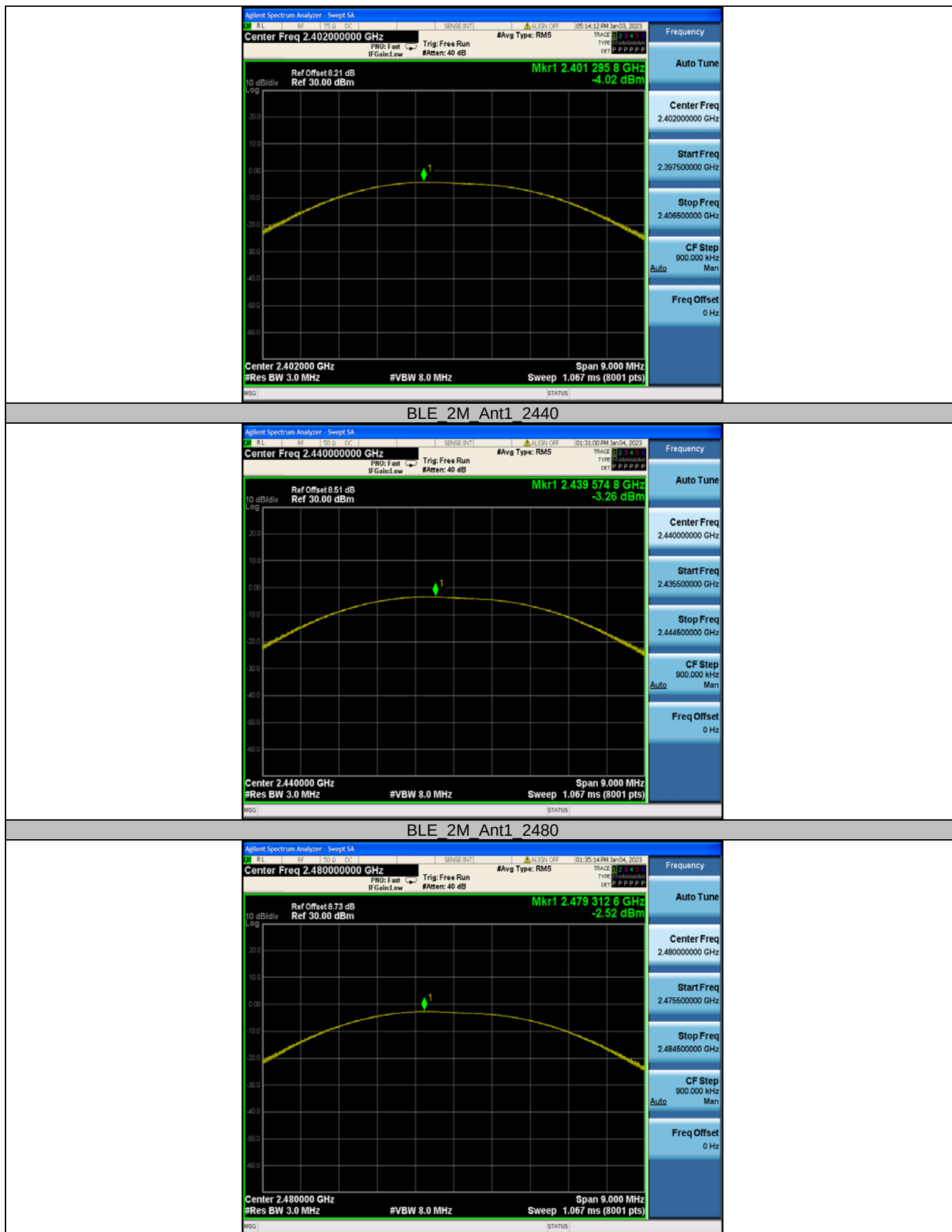
Appendix B: Maximum conducted output power

Test Result-Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-4.28	≤30	PASS
		2440	-3.54	≤30	PASS
		2480	-2.93	≤30	PASS
BLE_2M	Ant1	2402	-4.02	≤30	PASS
		2440	-3.26	≤30	PASS
		2480	-2.52	≤30	PASS

Test Graphs





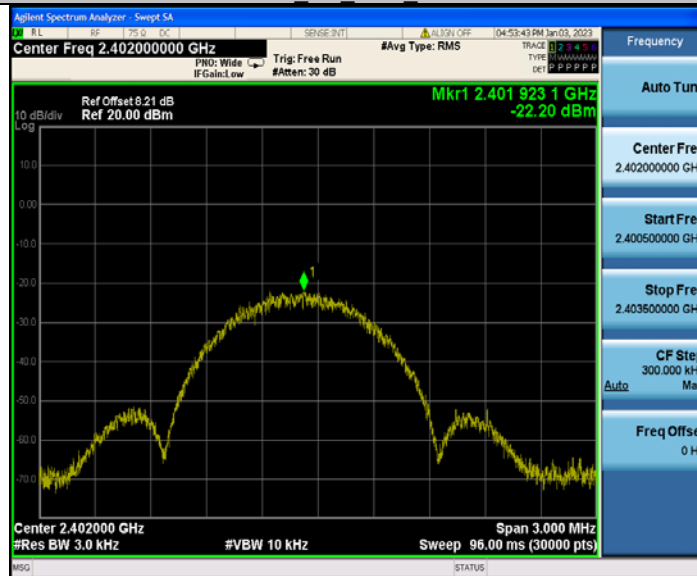
Appendix C: Maximum power spectral density

Test Result

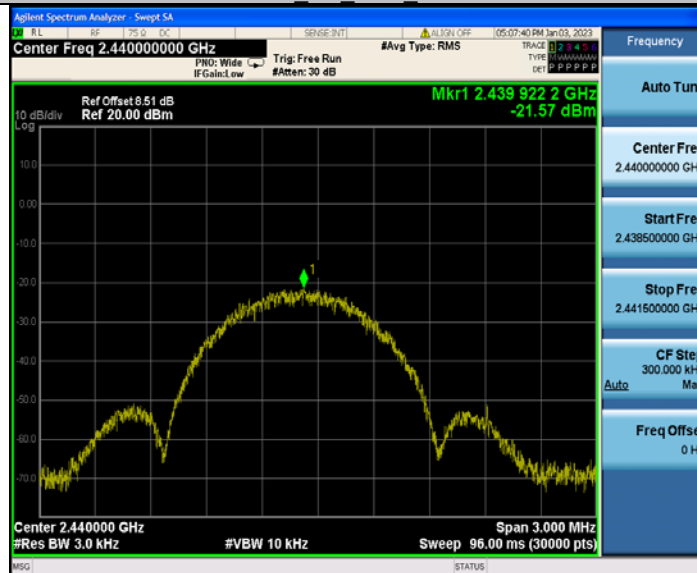
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-22.2	≤8.00	PASS
		2440	-21.57	≤8.00	PASS
		2480	-20.17	≤8.00	PASS
BLE_2M	Ant1	2402	-25.55	≤8.00	PASS
		2440	-24	≤8.00	PASS
		2480	-23.32	≤8.00	PASS

Test Graphs

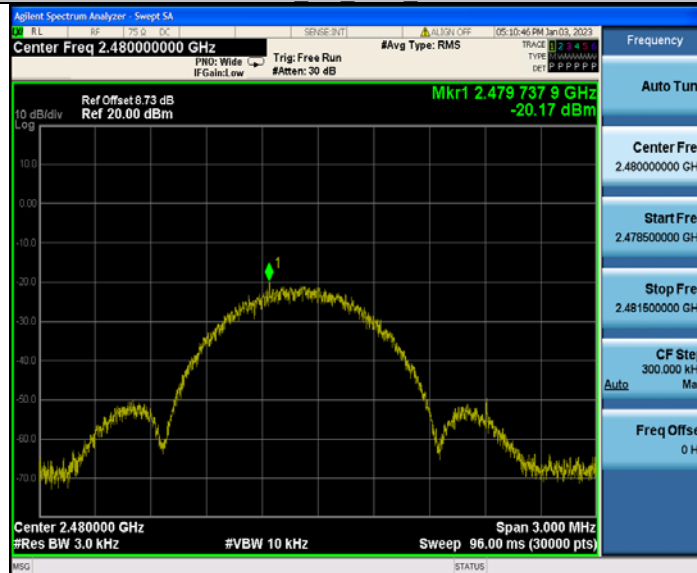
BLE 1M Ant1 2402

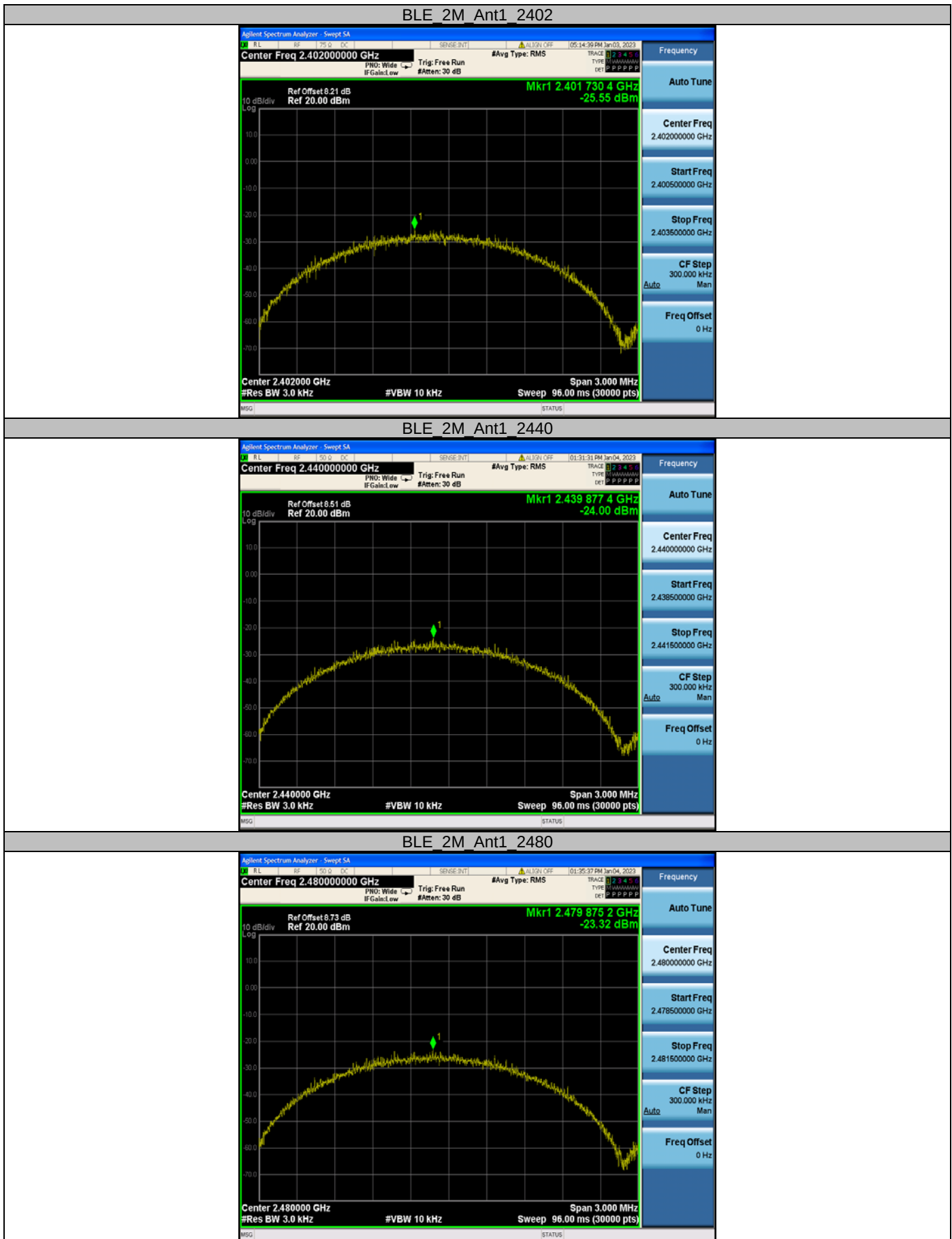


BLE 1M Ant1 2440



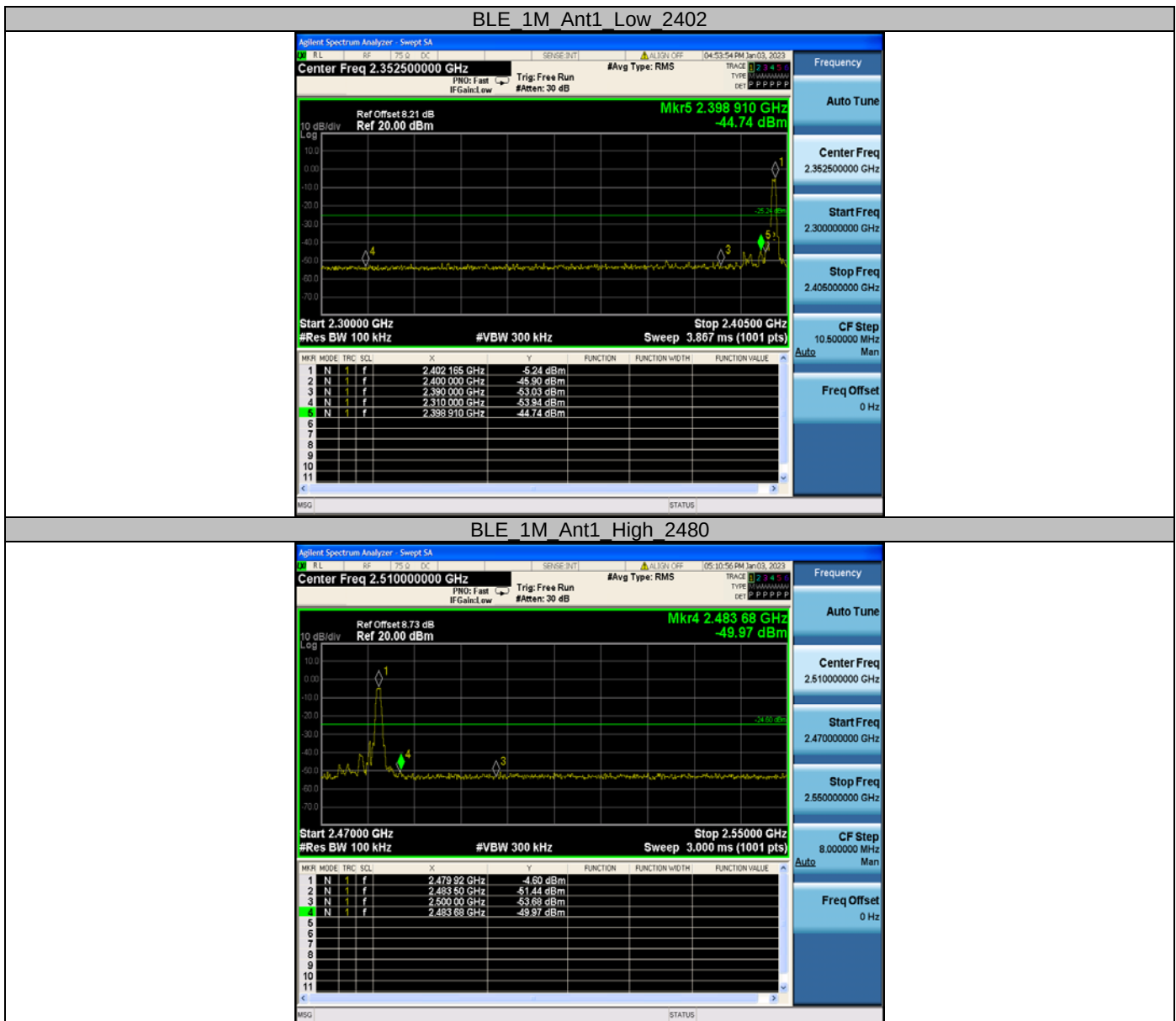
BLE 1M Ant1 2480



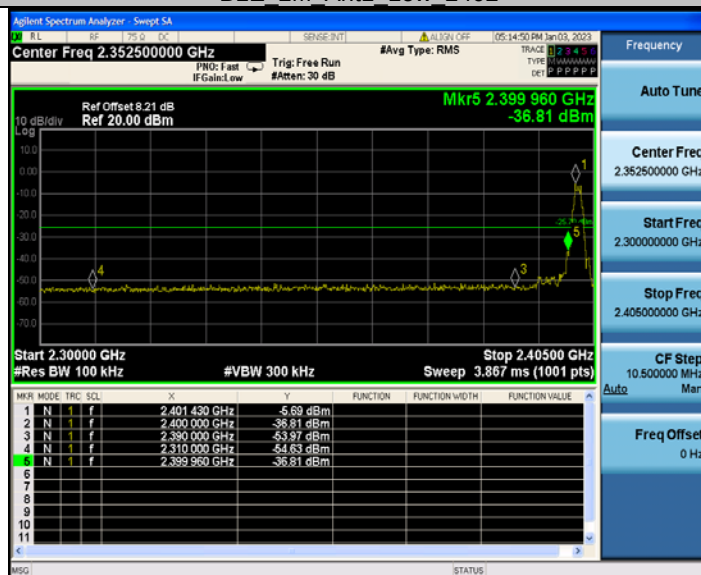


Appendix D: Band edge measurements

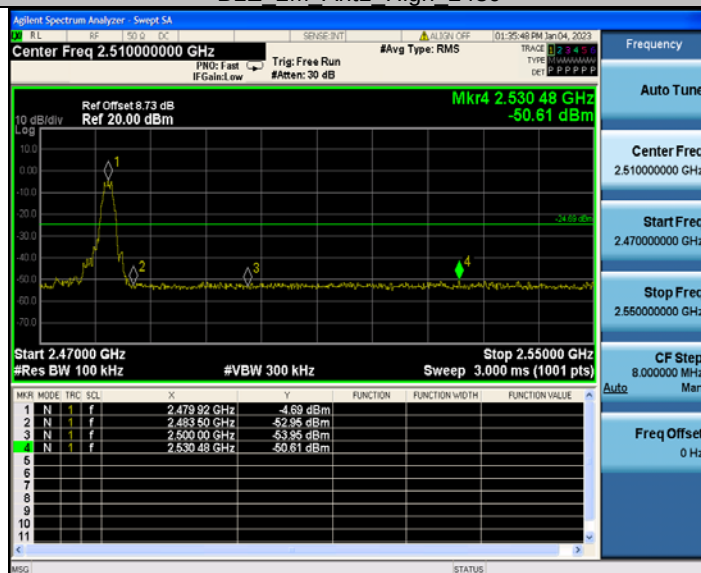
Test Graphs



BLE 2M Ant1 Low 2402

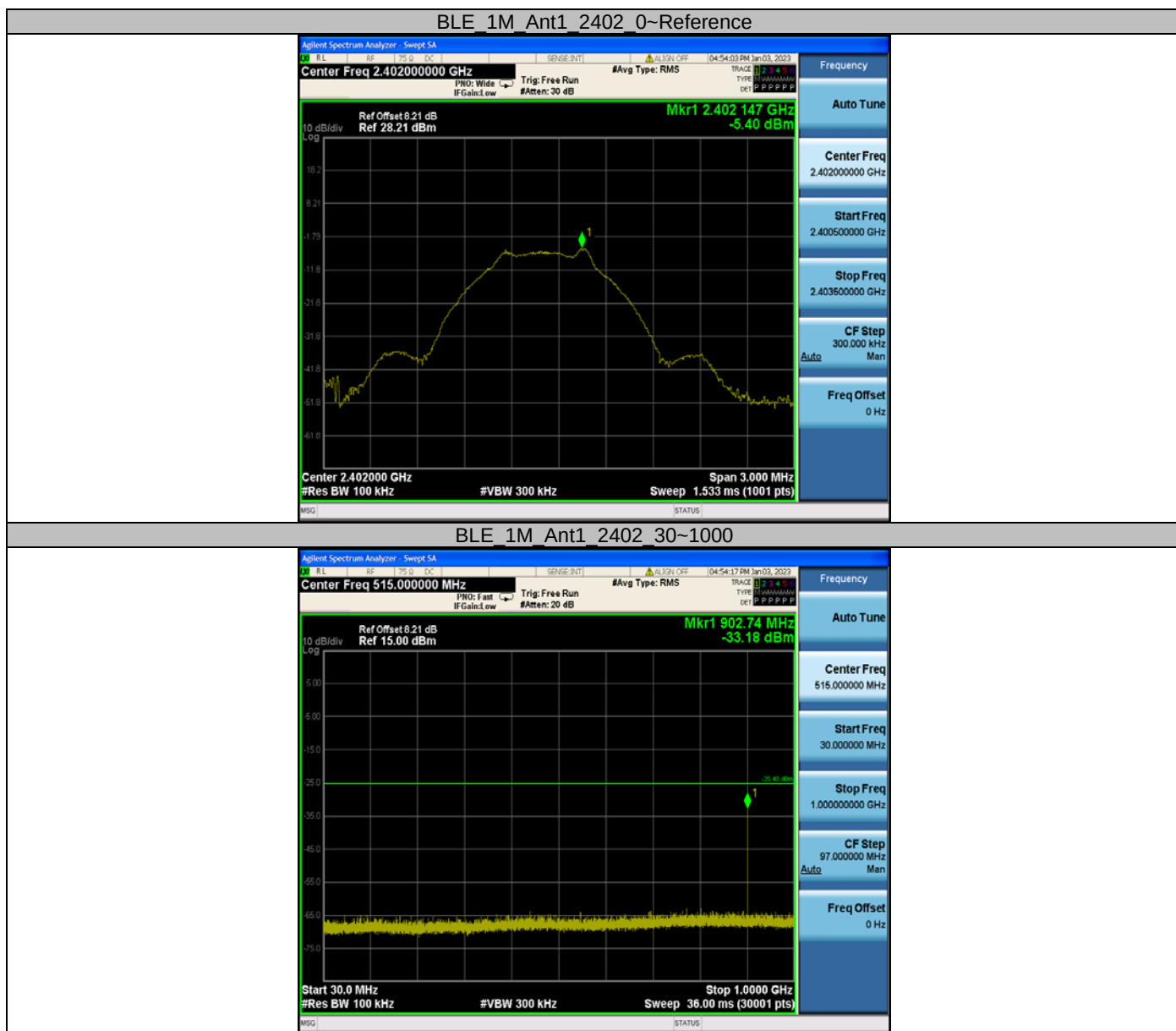


BLE 2M Ant1 High 2480

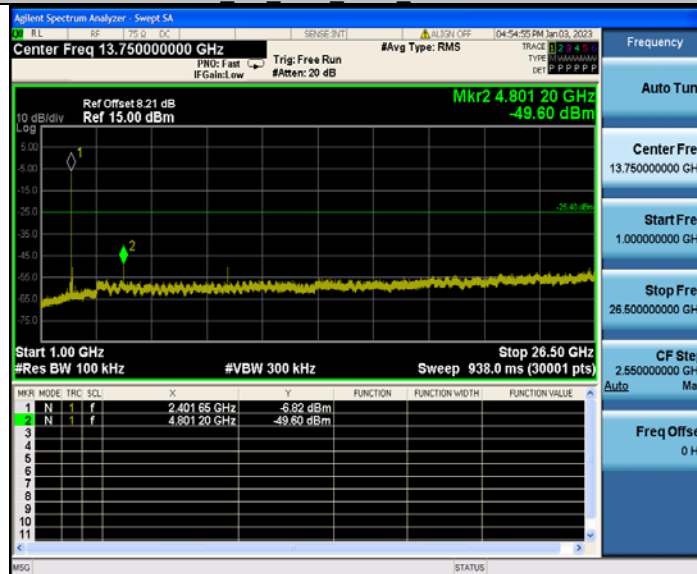


Appendix E: Conducted Spurious Emission

Test Graphs



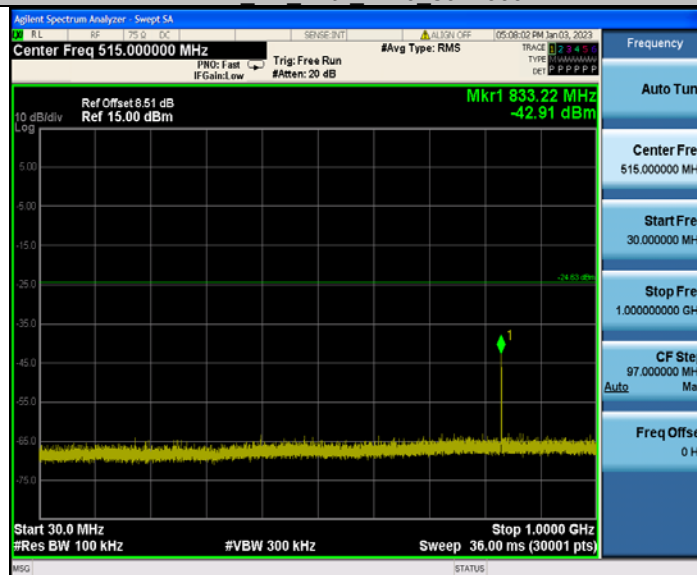
BLE 1M Ant1 2402 1000~26500



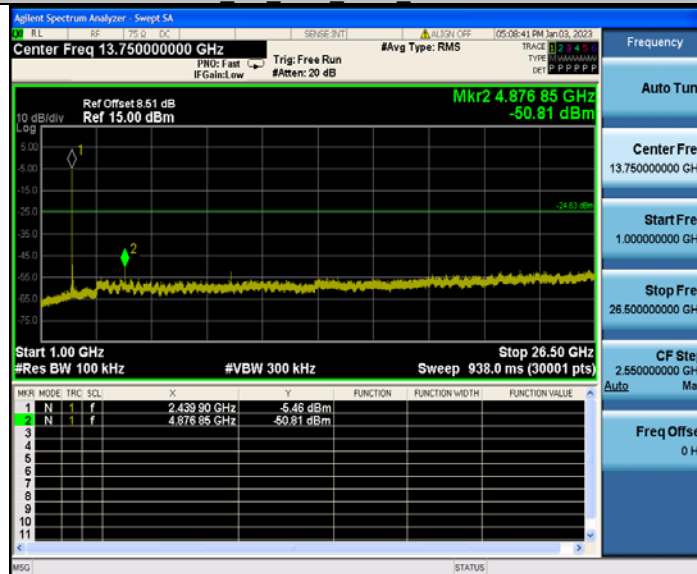
BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



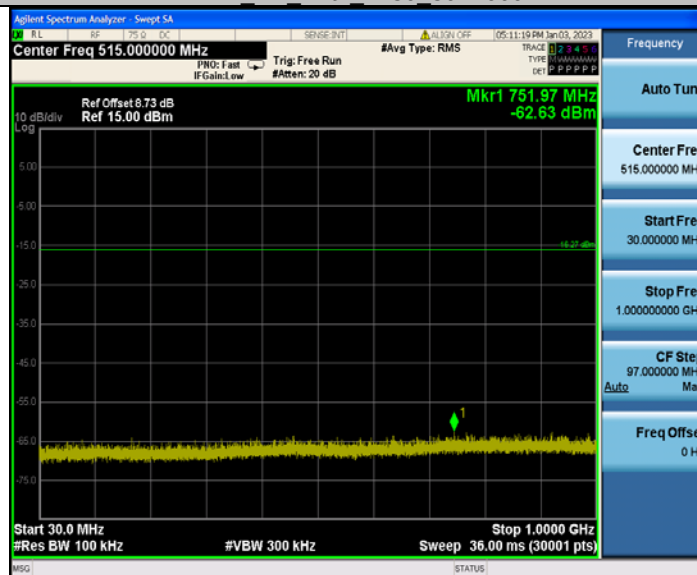
BLE 1M Ant1 2440 1000~26500



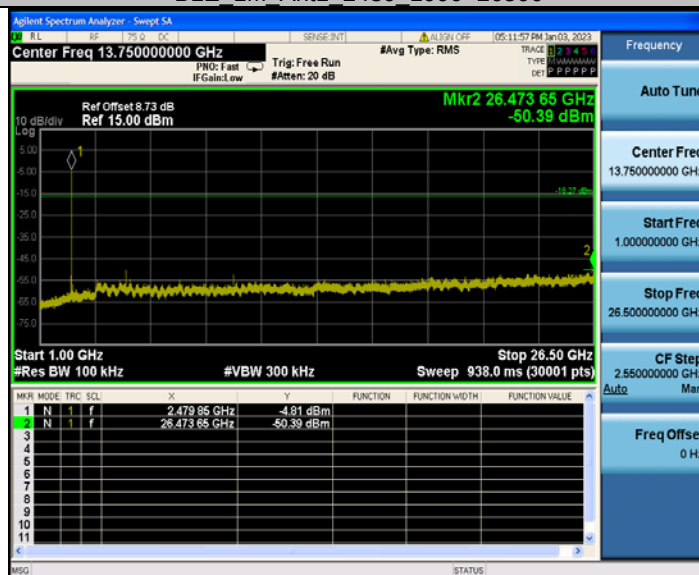
BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



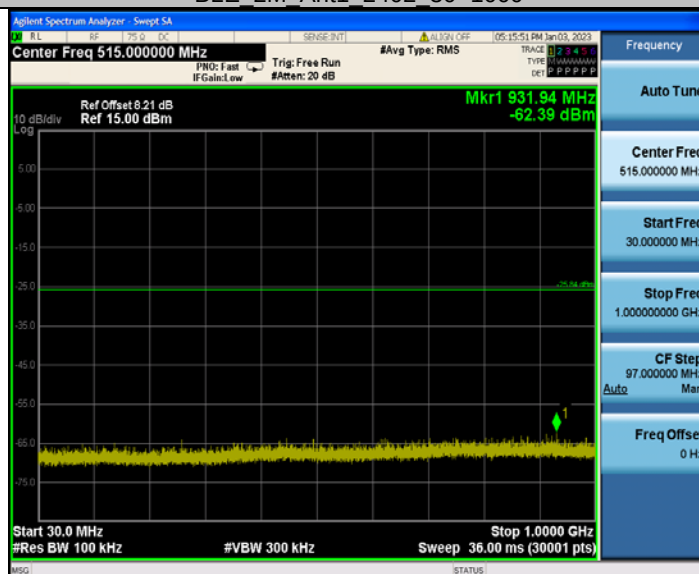
BLE 1M Ant1 2480 1000~26500



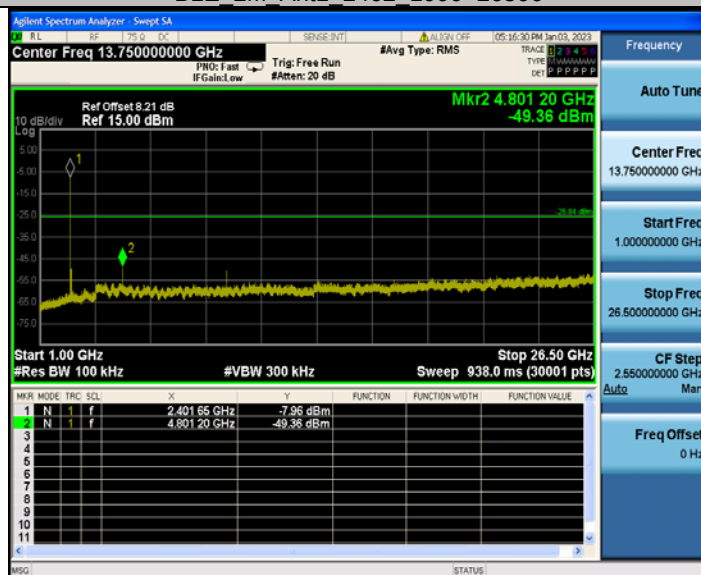
BLE 2M Ant1 2402 0~Reference



BLE 2M Ant1 2402 30~1000



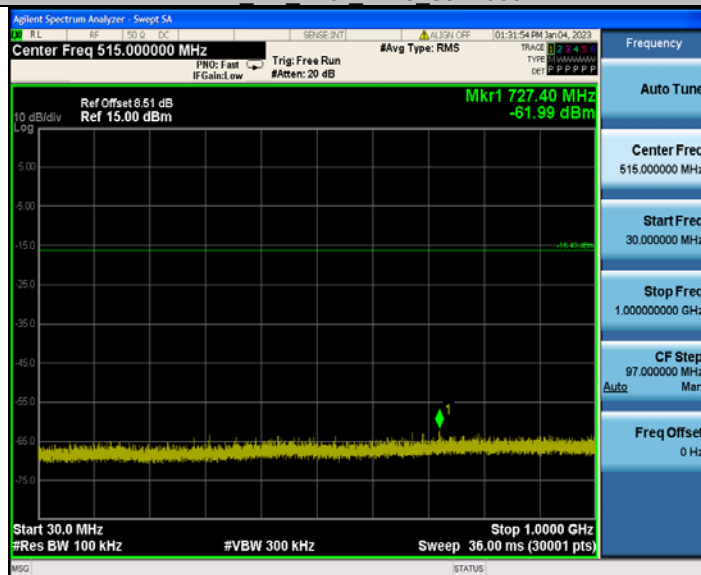
BLE 2M Ant1 2402 1000~26500



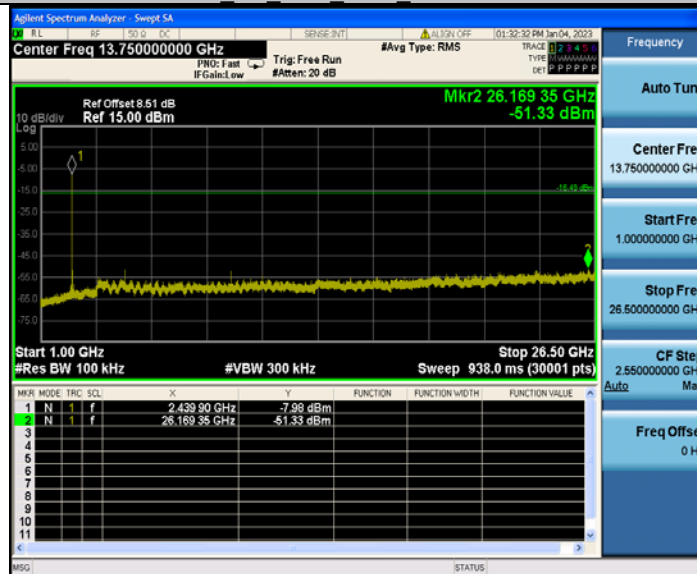
BLE 2M Ant1 2440 0~Reference



BLE 2M Ant1 2440 30~1000



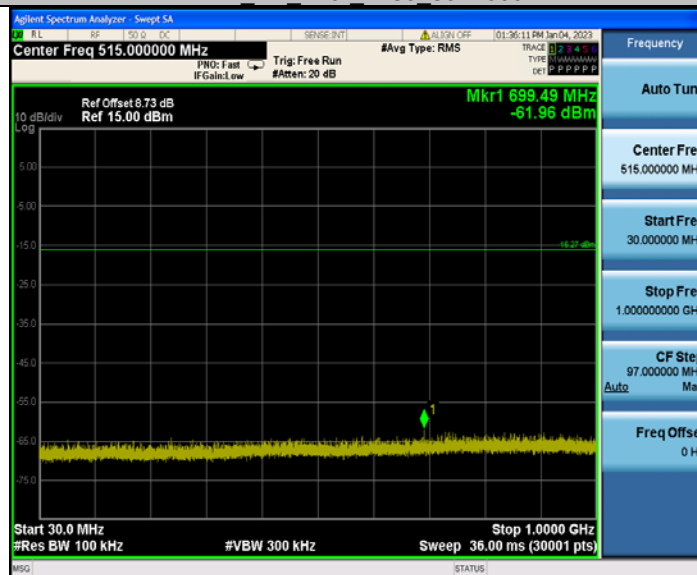
BLE 2M Ant1 2440 1000~26500

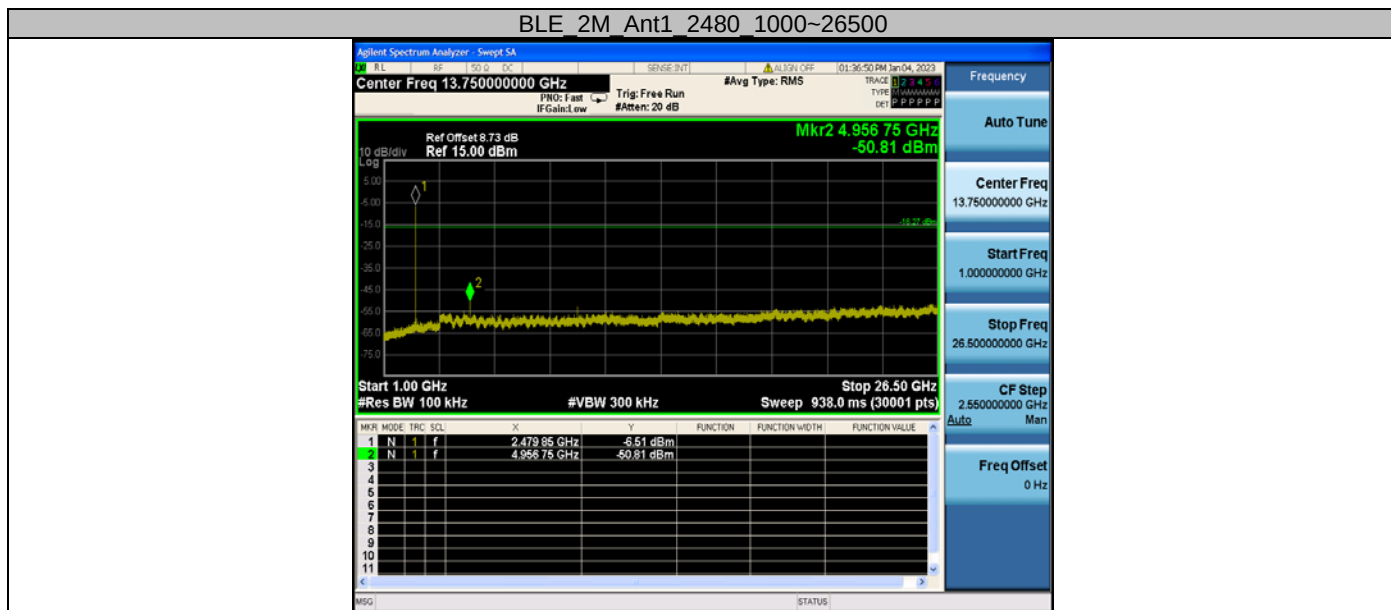


BLE 2M Ant1 2480 0~Reference



BLE 2M Ant1 2480 30~1000





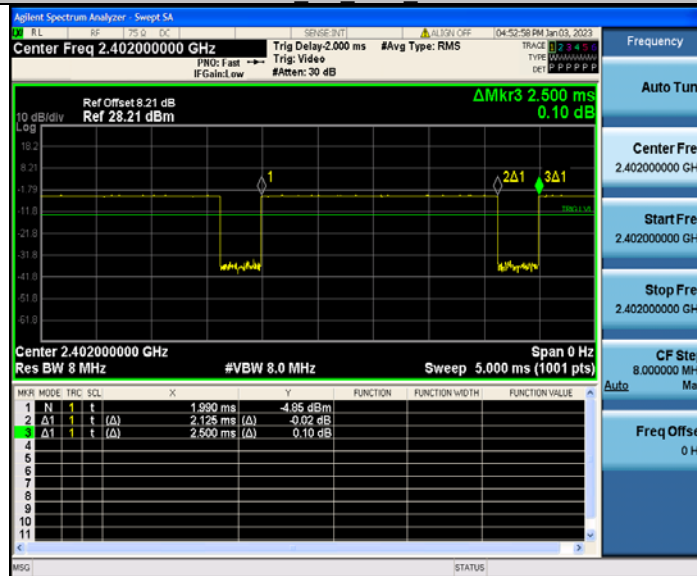
Appendix F: Duty Cycle

Test Result

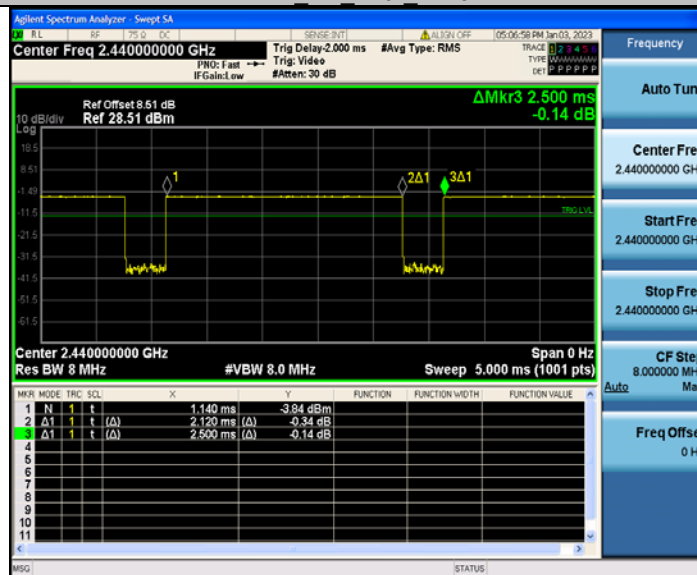
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
		2440	2.12	2.50	84.80	0.72
		2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2402	1.08	2.50	43.20	3.65
		2440	1.07	2.50	42.80	3.69
		2480	1.07	2.50	42.80	3.69

Test Graphs

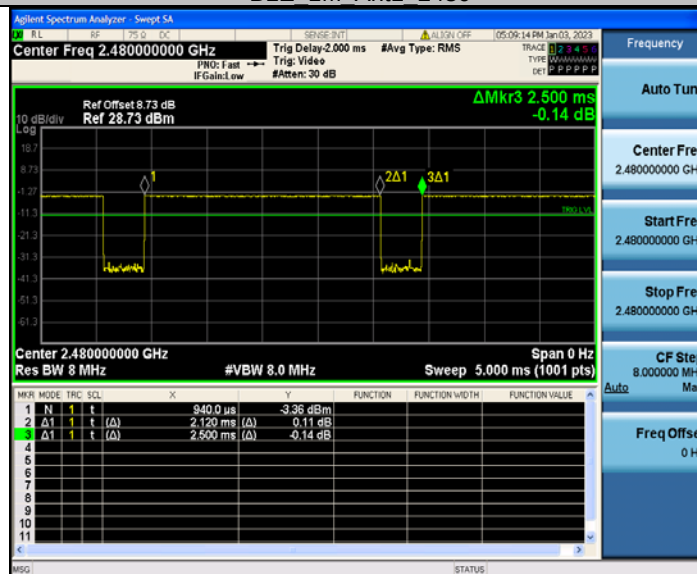
BLE 1M Ant1 2402



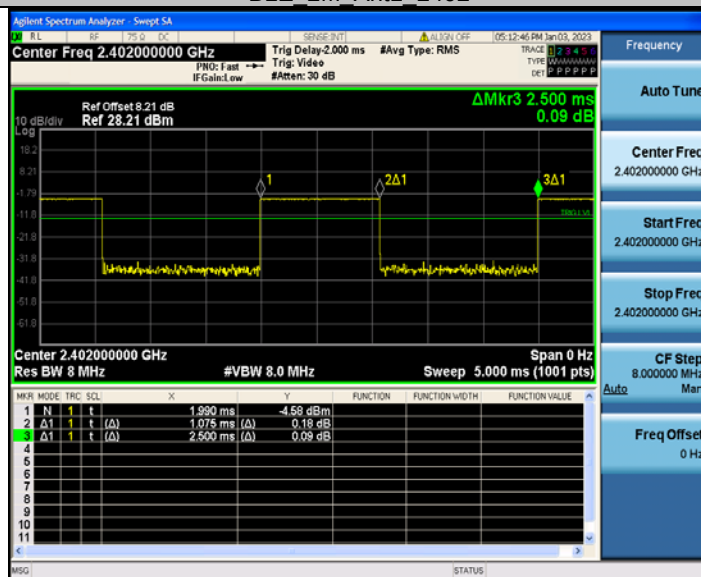
BLE 1M Ant1 2440



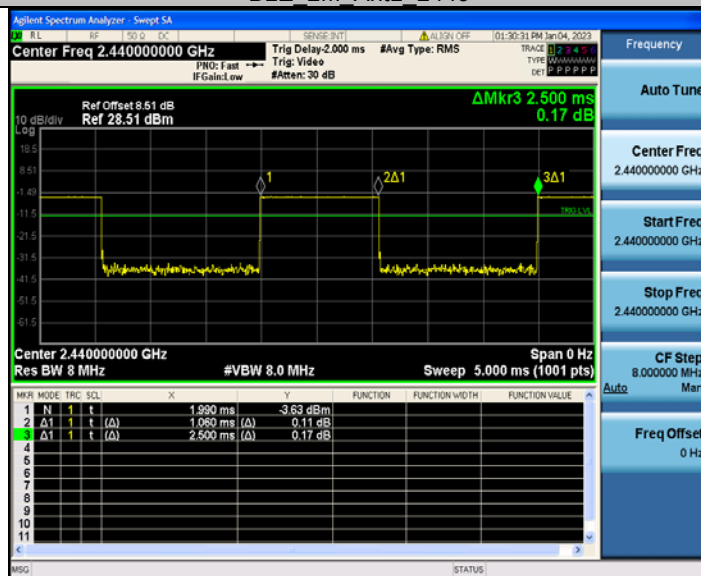
BLE 1M Ant1 2480



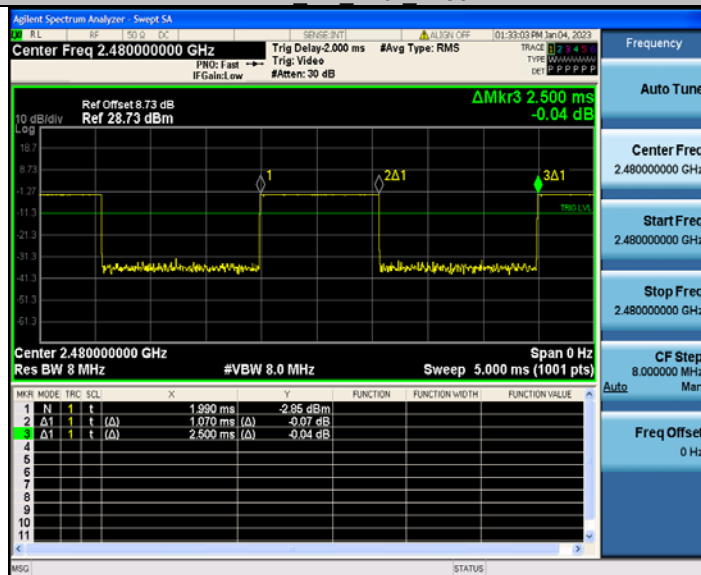
BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Photographs of the Test Setup

See the Appendix – Test Setup Photos.

Photographs of the EUT

See the Appendix - EUT Photos.

----End of Report----