

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

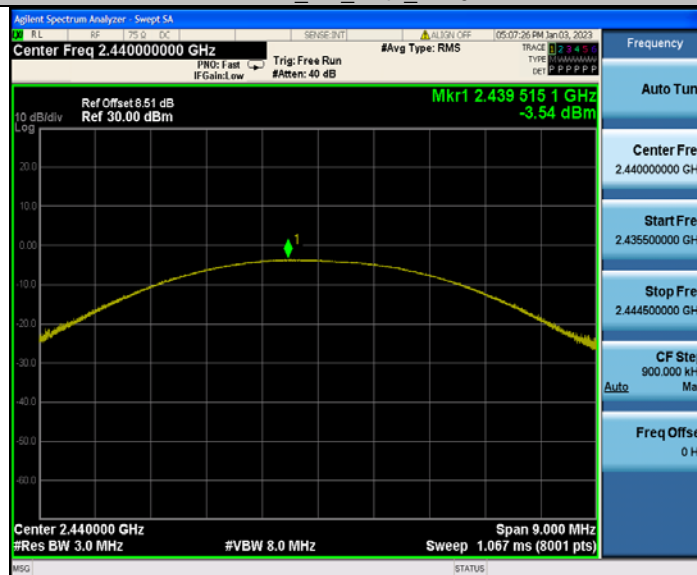
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-4.28	≤30	PASS
		2440	-3.54	≤30	PASS
		2480	-2.93	≤30	PASS
BLE_2M	Ant1	2402	-4.02	≤30	PASS
		2440	-3.26	≤30	PASS
		2480	-2.52	≤30	PASS

Test Graphs

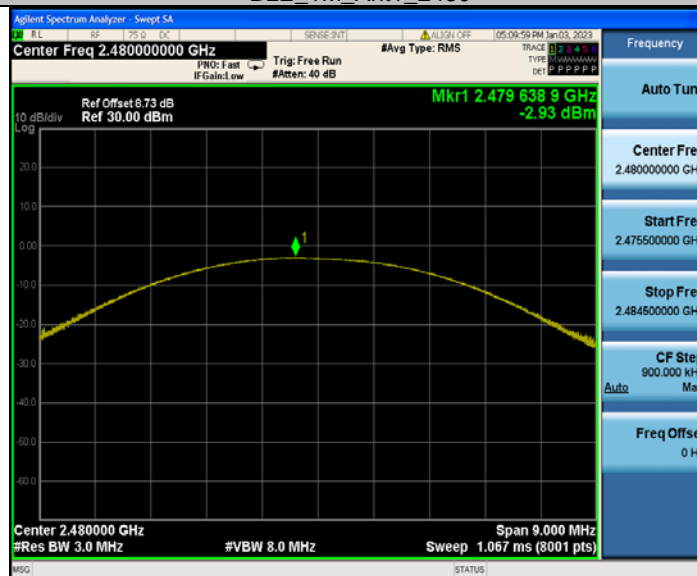
BLE_1M_Ant1_2402



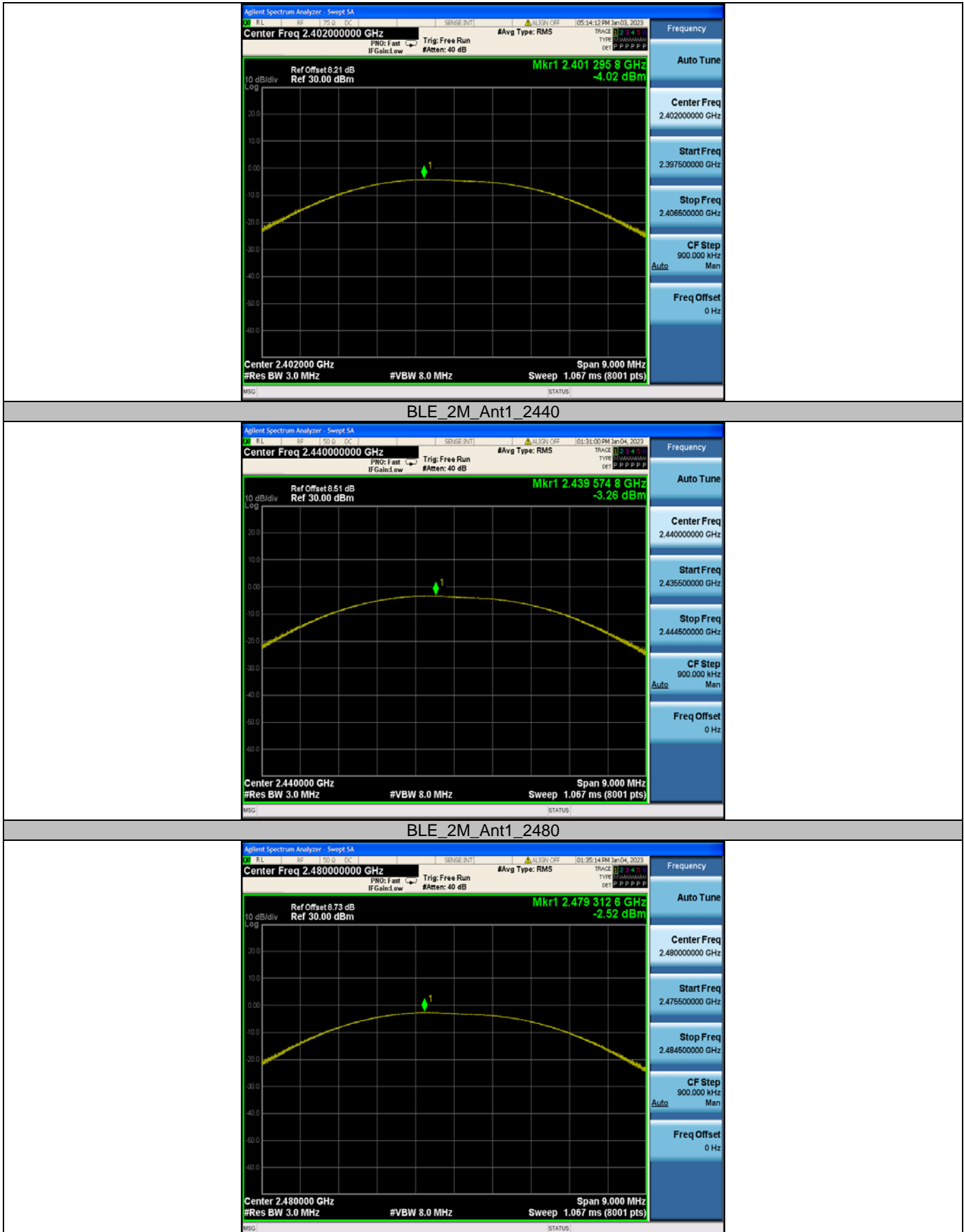
BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



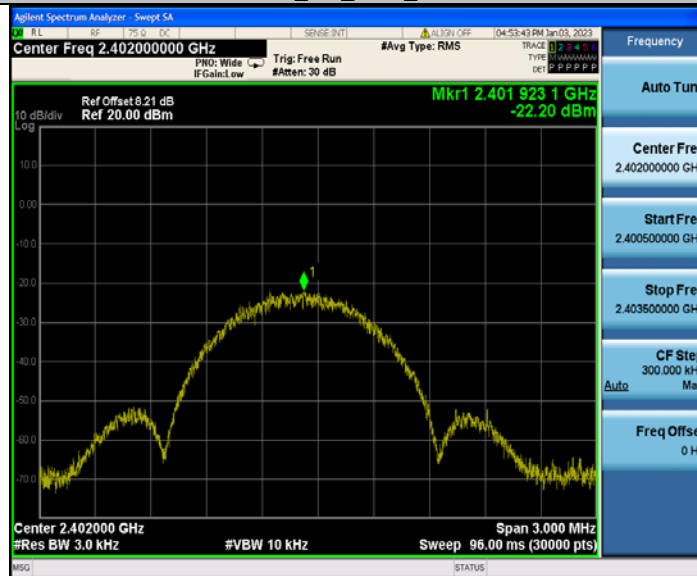
Appendix C: Maximum power spectral density

Test Result

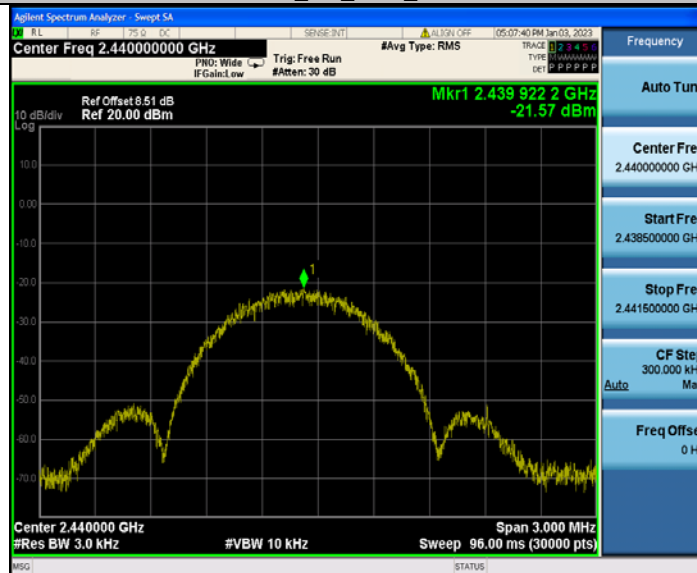
Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-22.2	≤8.00	PASS
		2440	-21.57	≤8.00	PASS
		2480	-20.17	≤8.00	PASS
BLE_2M	Ant1	2402	-25.55	≤8.00	PASS
		2440	-24	≤8.00	PASS
		2480	-23.32	≤8.00	PASS

Test Graphs

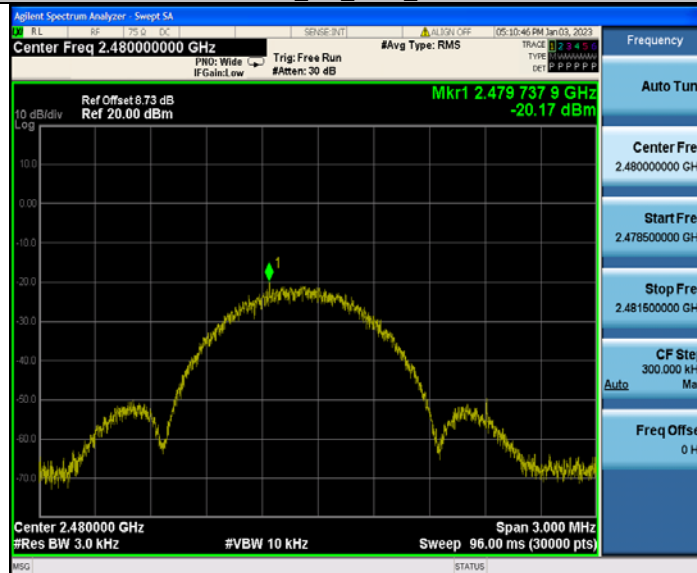
BLE_1M_Ant1_2402



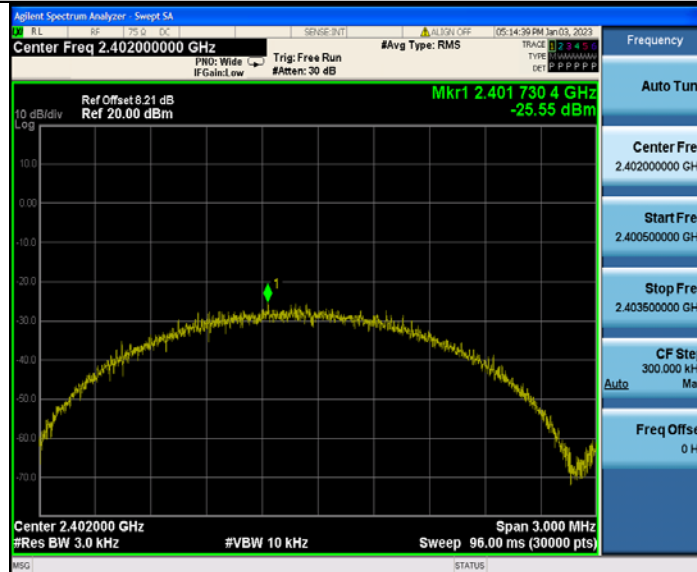
BLE_1M_Ant1_2440



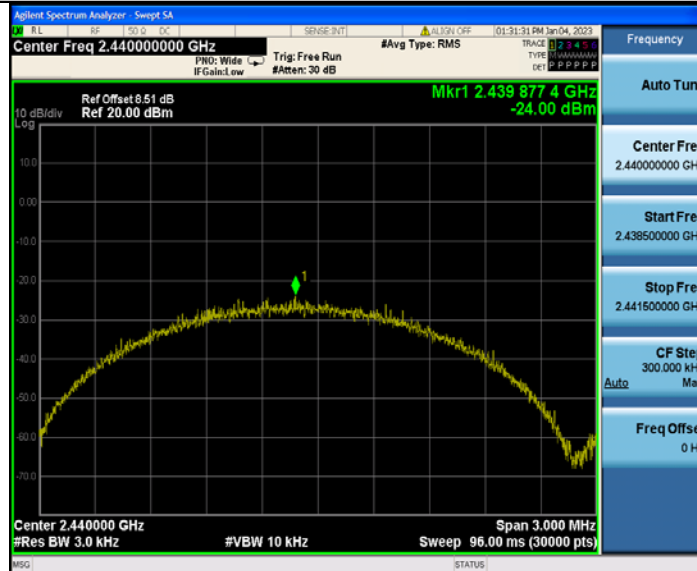
BLE_1M_Ant1_2480



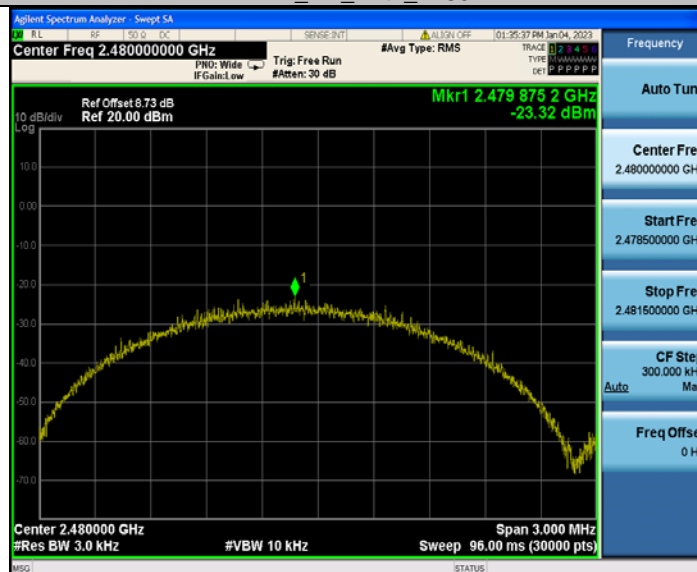
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440

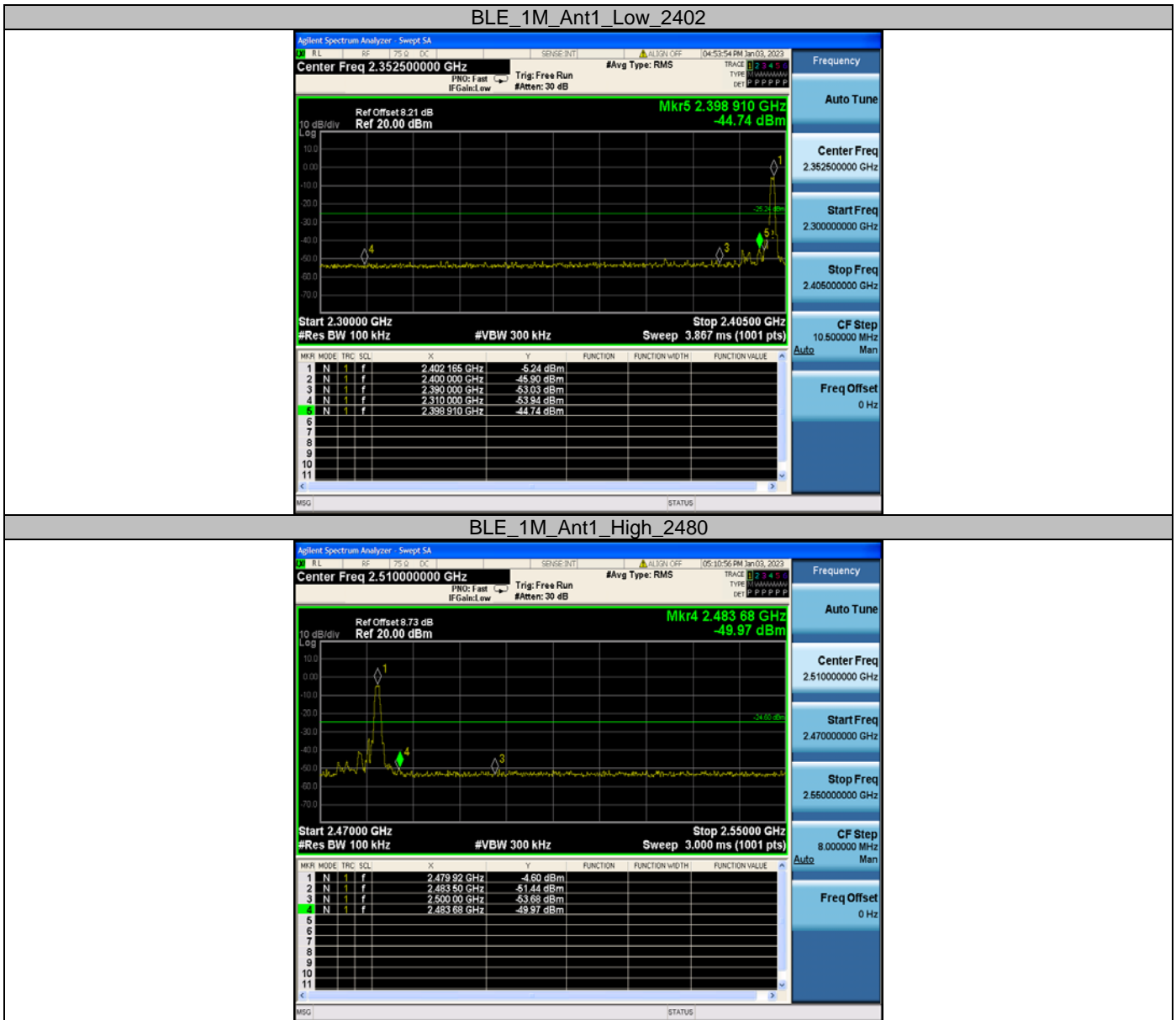


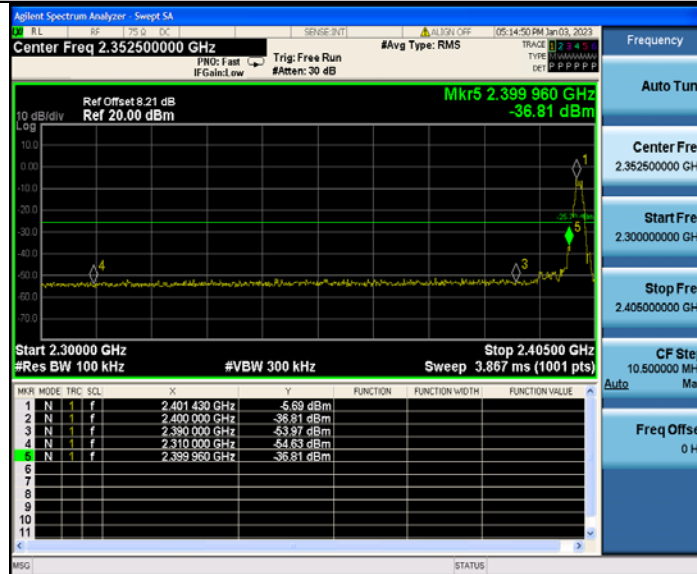
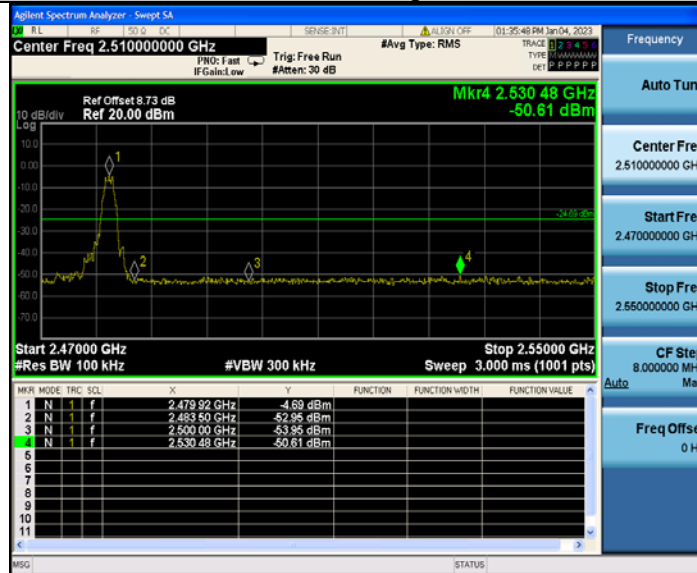
BLE_2M_Ant1_2480



Appendix D: Band edge measurements

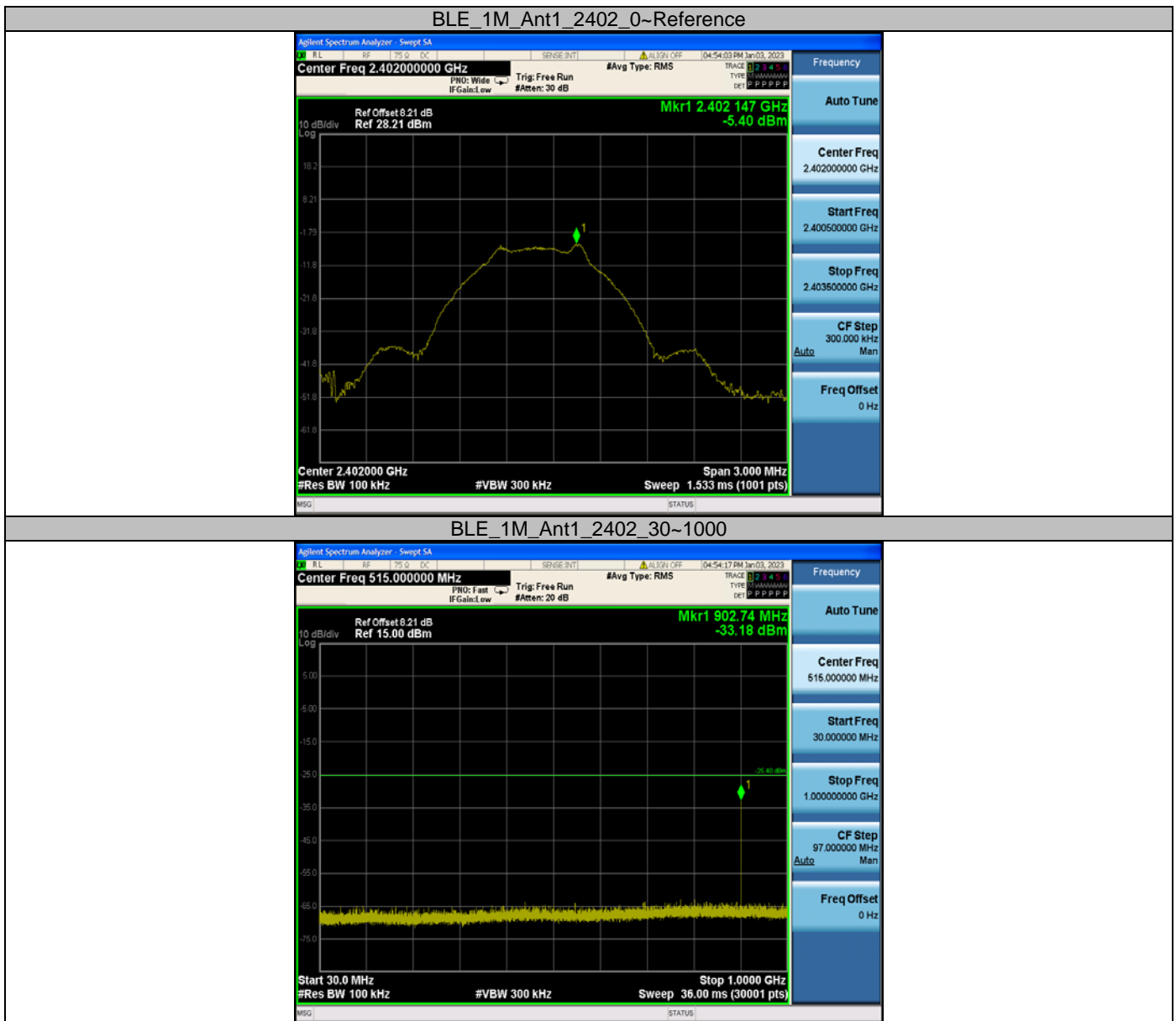
Test Graphs

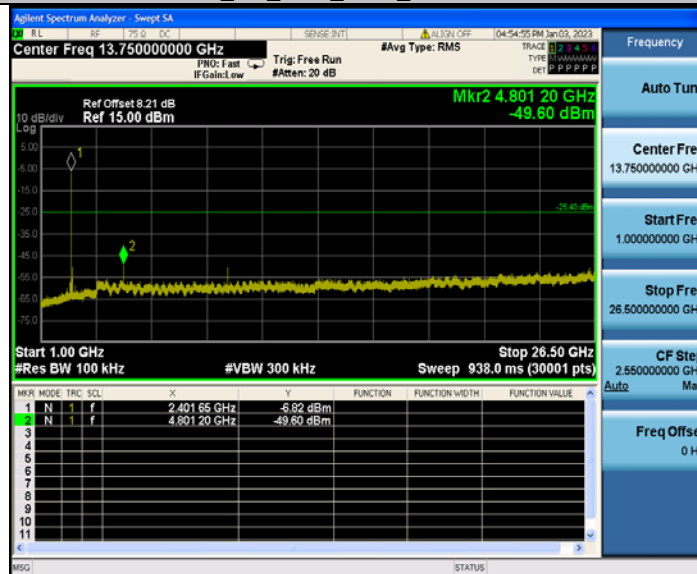


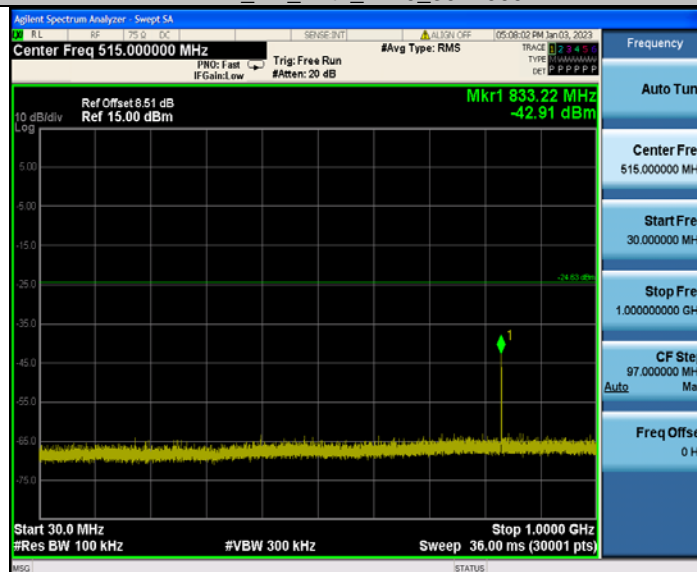
BLE_2M_Ant1_Low_2402

BLE_2M_Ant1_High_2480


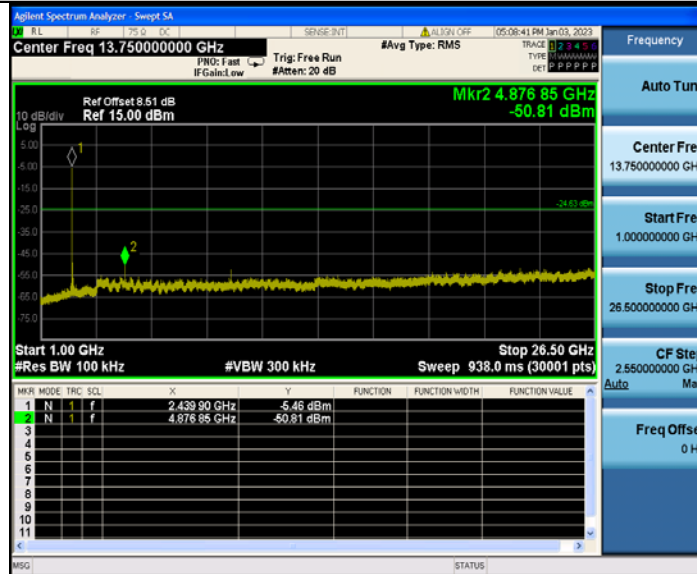
Appendix E: Conducted Spurious Emission

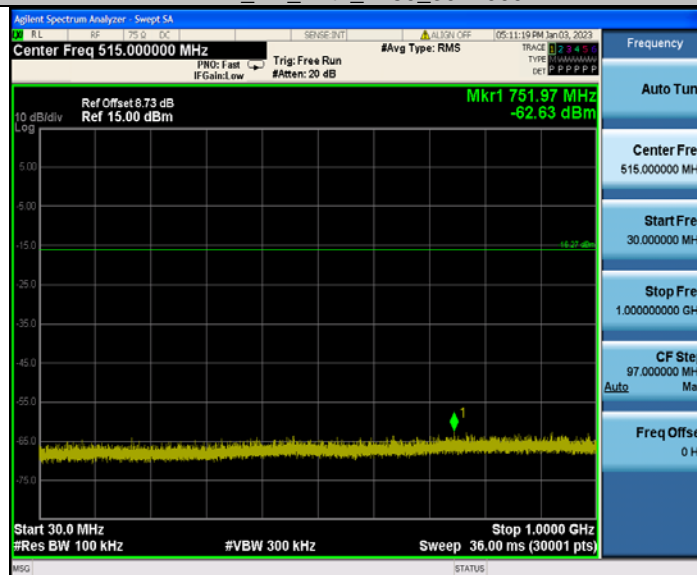
Test Graphs

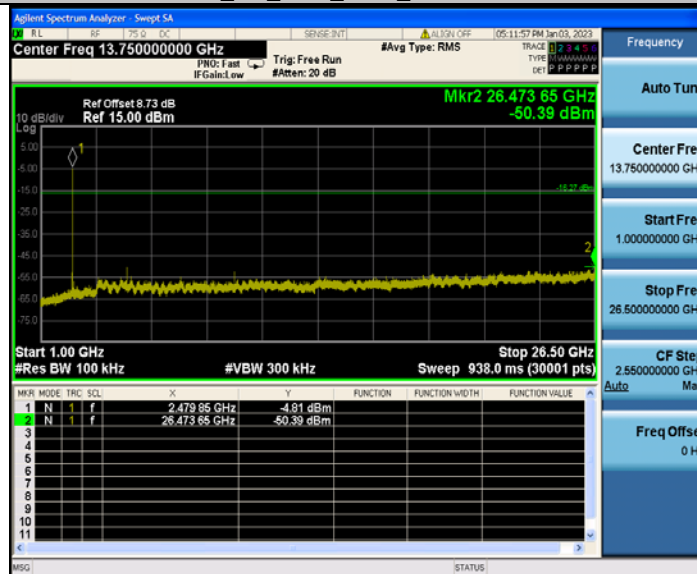


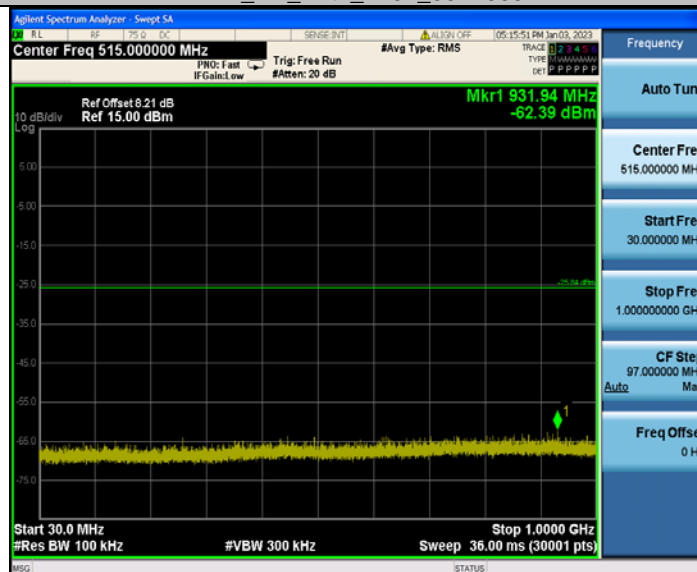
BLE_1M_Ant1_2402_1000~26500

BLE_1M_Ant1_2440_0~Reference

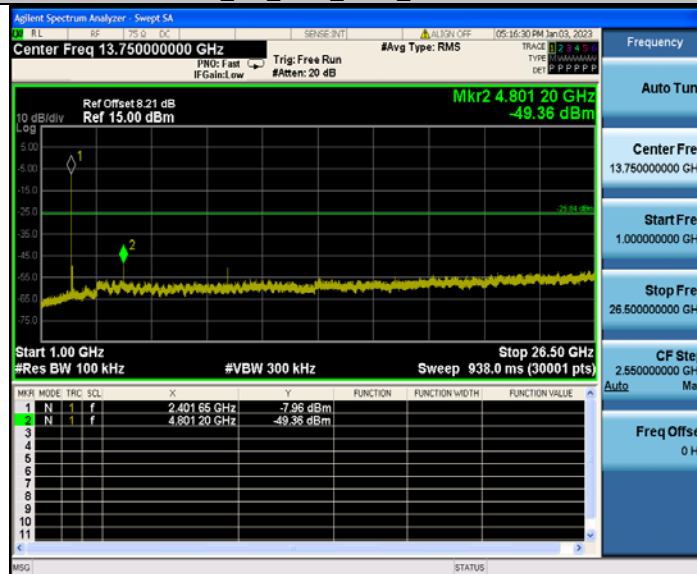
BLE_1M_Ant1_2440_30~1000


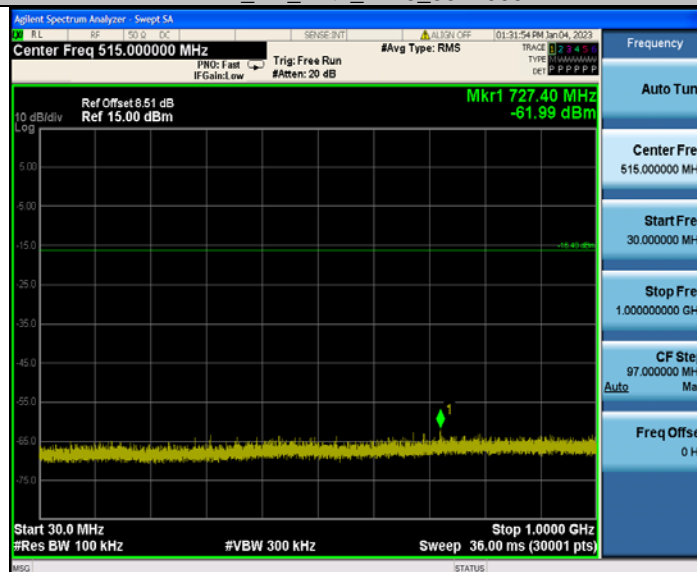
BLE_1M_Ant1_2440_1000~26500

BLE_1M_Ant1_2480_0~Reference

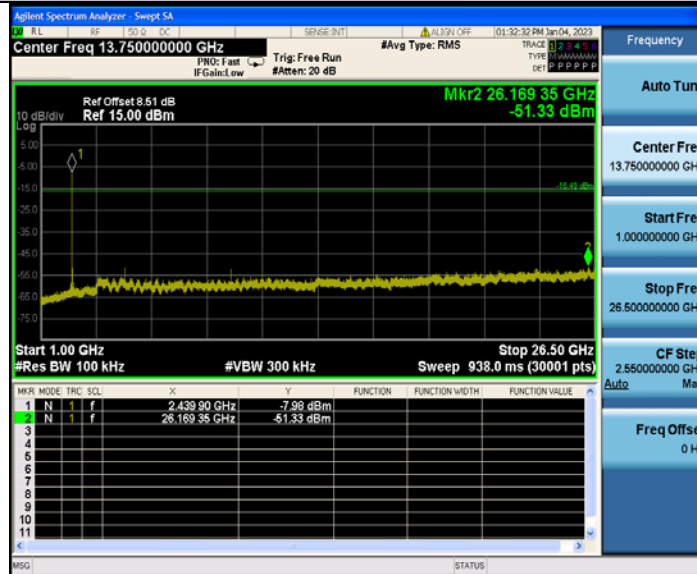
BLE_1M_Ant1_2480_30~1000


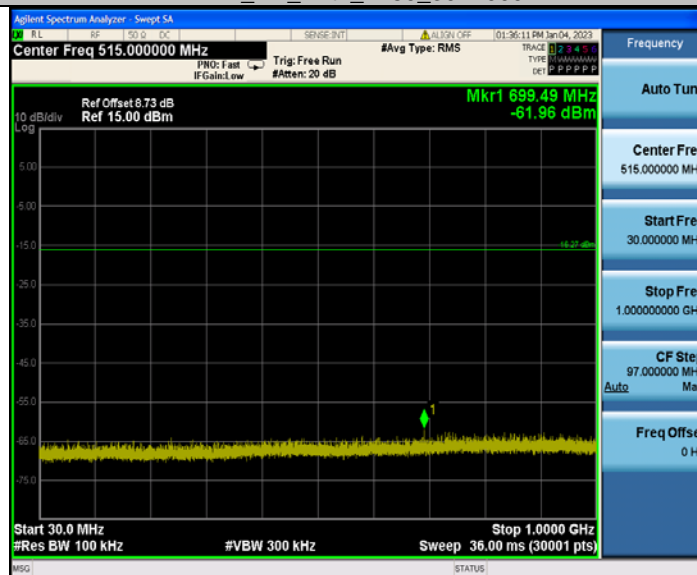
BLE_1M_Ant1_2480_1000~26500

BLE_2M_Ant1_2402_0~Reference

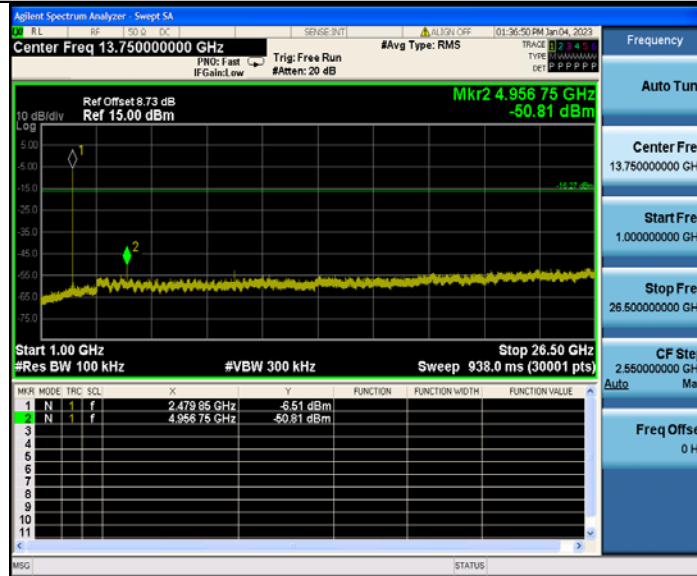
BLE_2M_Ant1_2402_30~1000


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


BLE_2M_Ant1_2480_1000-26500


Appendix F: Duty Cycle

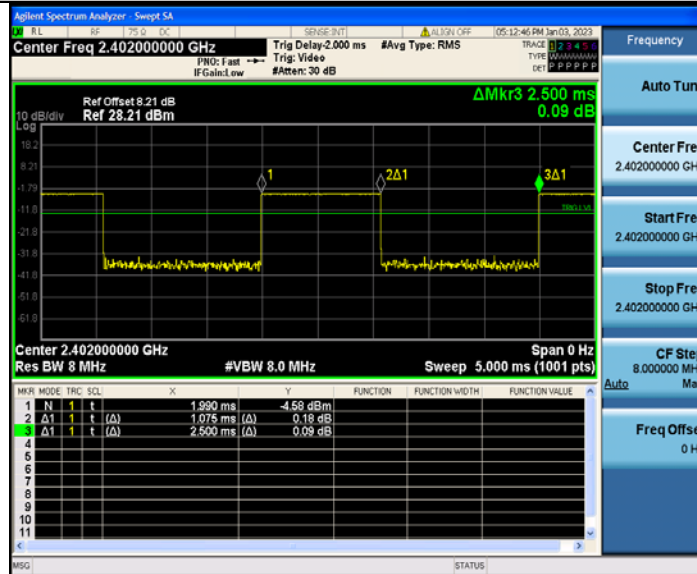
Test Result

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

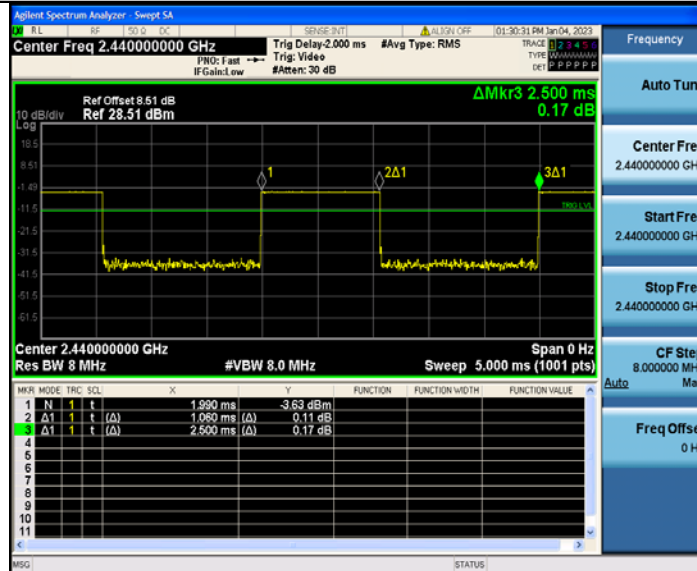
Test Graphs



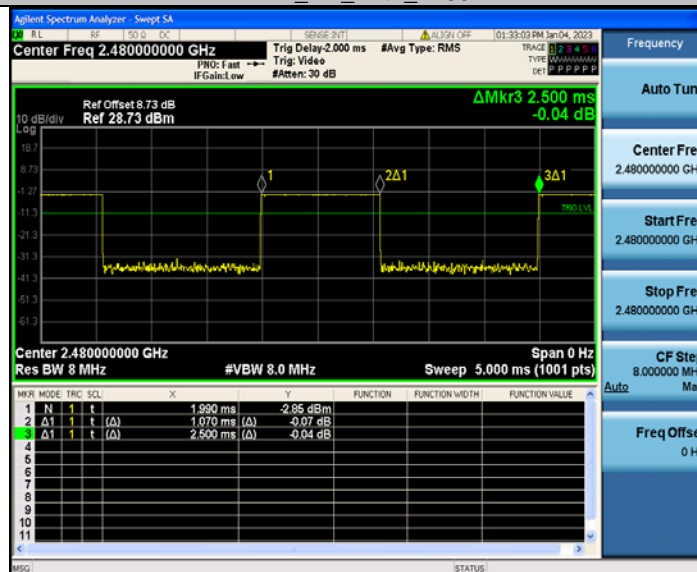
BLE_2M_Ant1_2402



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----