

Appendix Test Data for BLE (Conducted Measurement)

Product Name: Bluetooth Keyboard

Trade Mark: N/A

Test Model: K84

FCC ID: 2BAKP-K84

Environmental Conditions

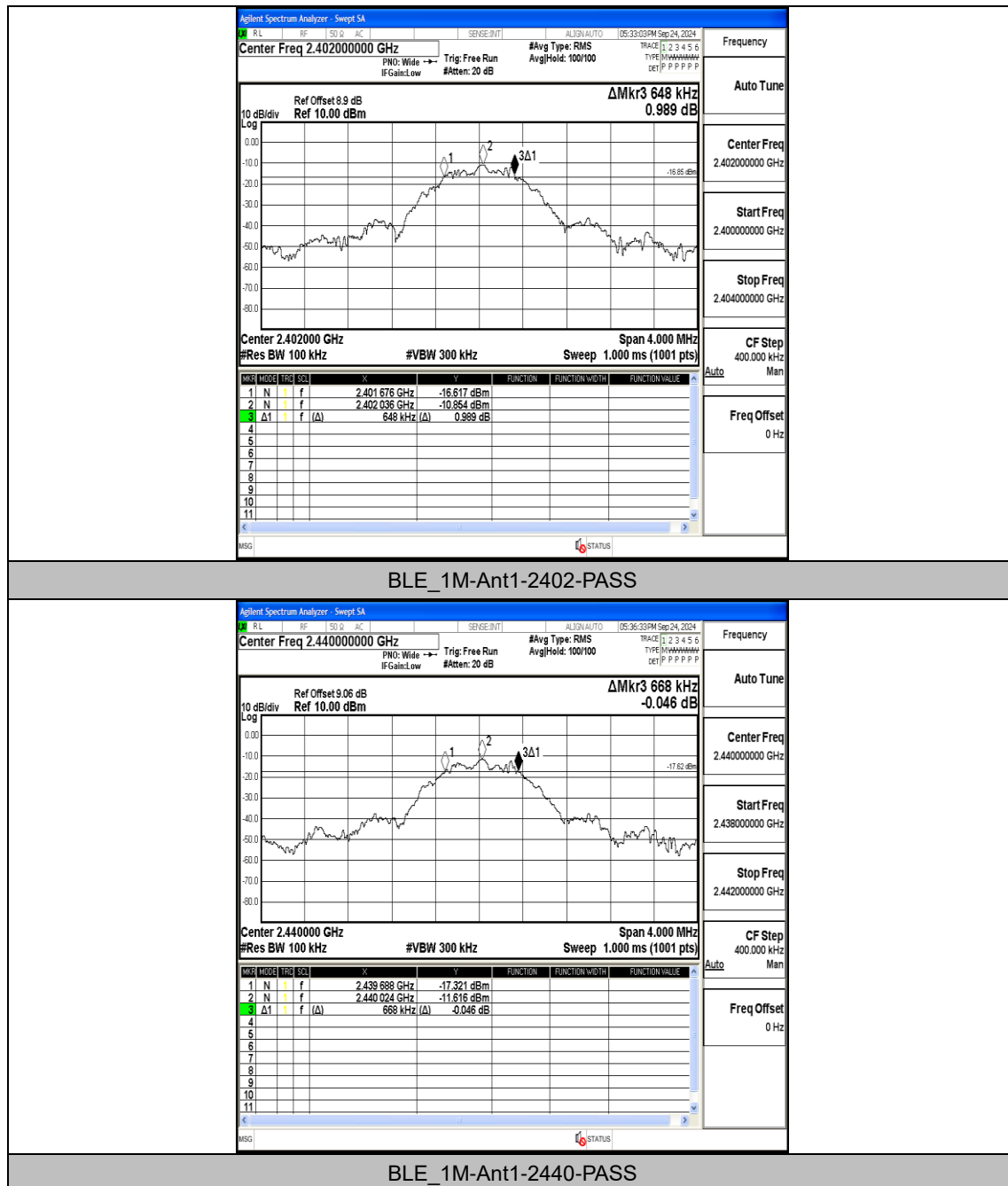
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

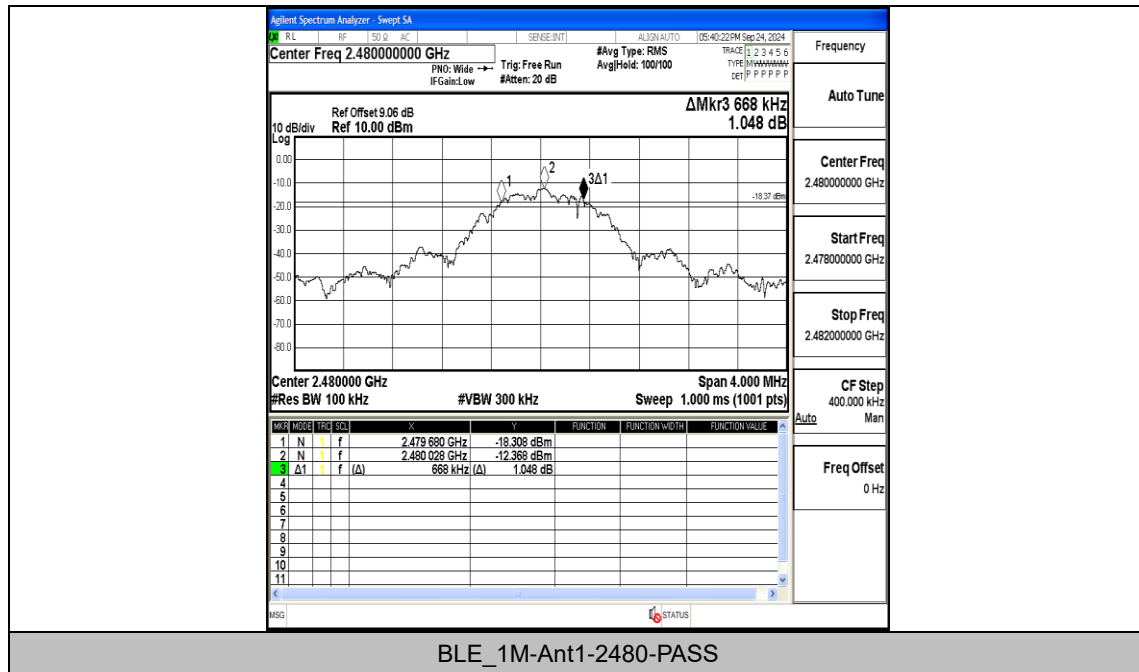
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.648	2401.676	2402.324	0.5	PASS
BLE_1M	Ant1	2440	0.668	2439.688	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.668	2479.680	2480.348	0.5	PASS

Test Graphs



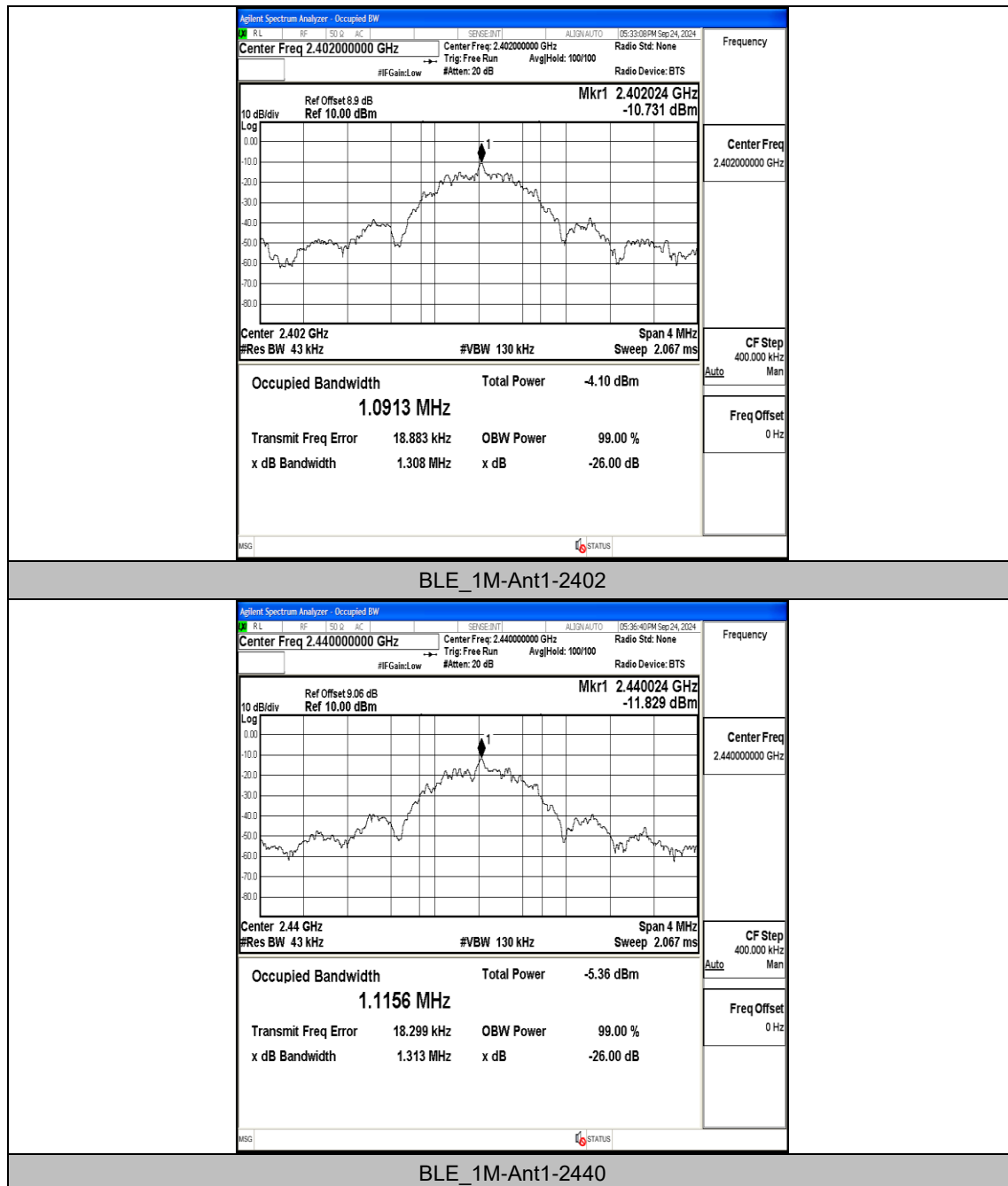


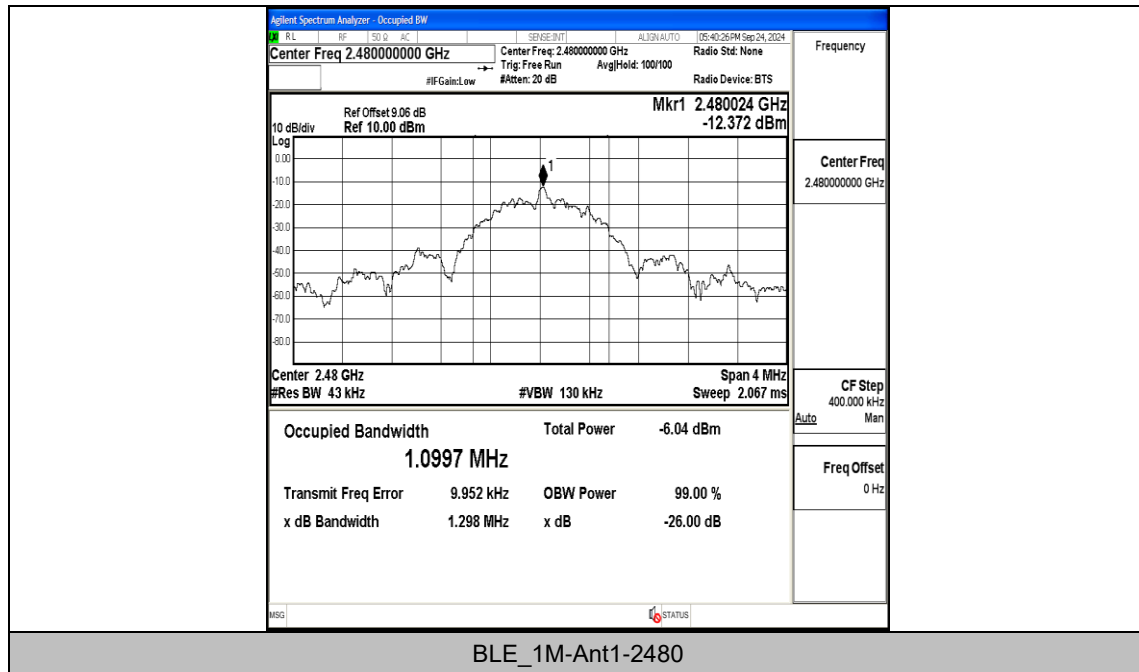
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0913	2401.4732	2402.5645	---	---
BLE_1M	Ant1	2440	1.1156	2439.4605	2440.5761	---	---
BLE_1M	Ant1	2480	1.0997	2479.4601	2480.5598	---	---

Test Graphs



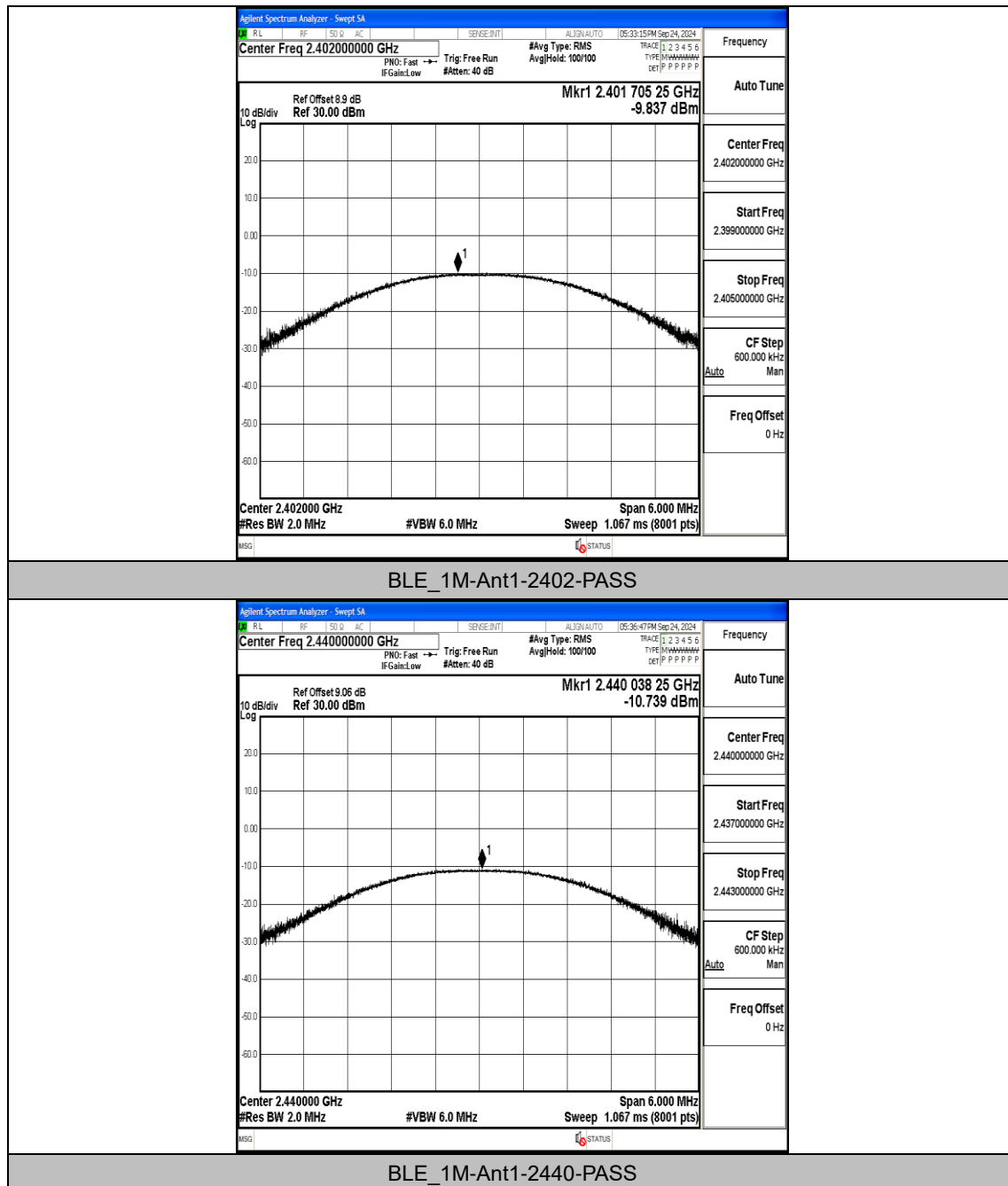


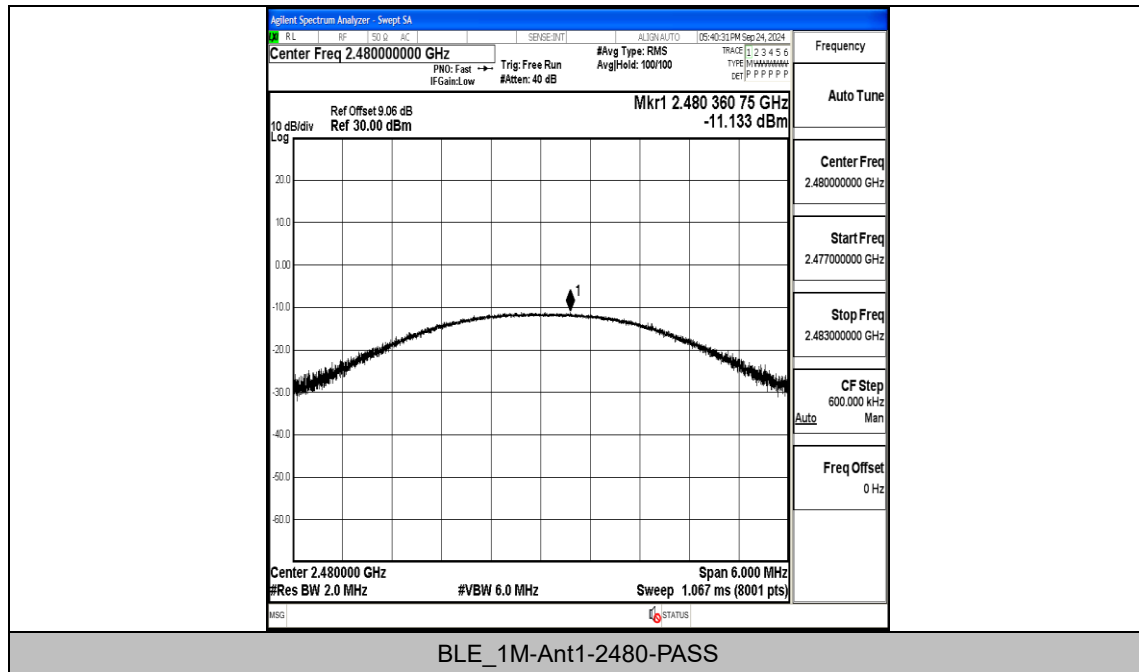
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-9.84	≤30	PASS
BLE_1M	Ant1	2440	-10.74	≤30	PASS
BLE_1M	Ant1	2480	-11.13	≤30	PASS

Test Graphs Peak



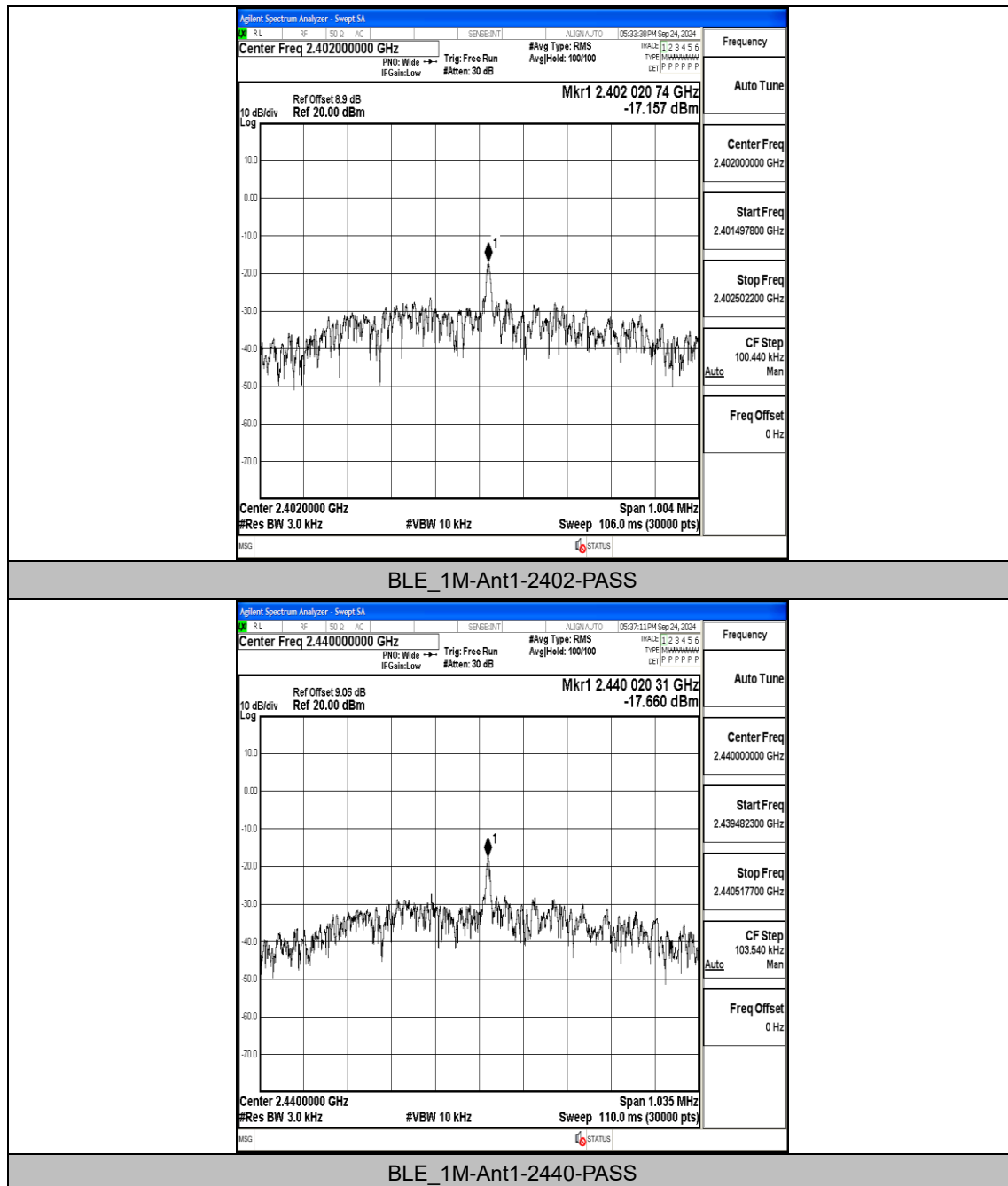


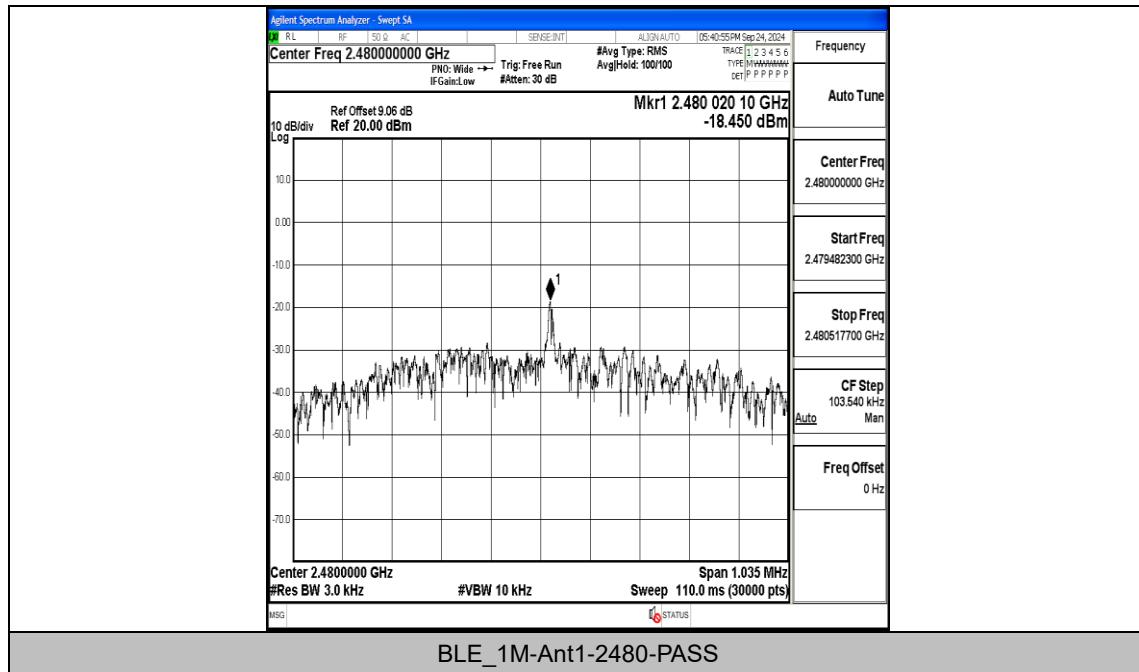
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.16	≤8.00	PASS
BLE_1M	Ant1	2440	-17.66	≤8.00	PASS
BLE_1M	Ant1	2480	-18.45	≤8.00	PASS

Test Graphs



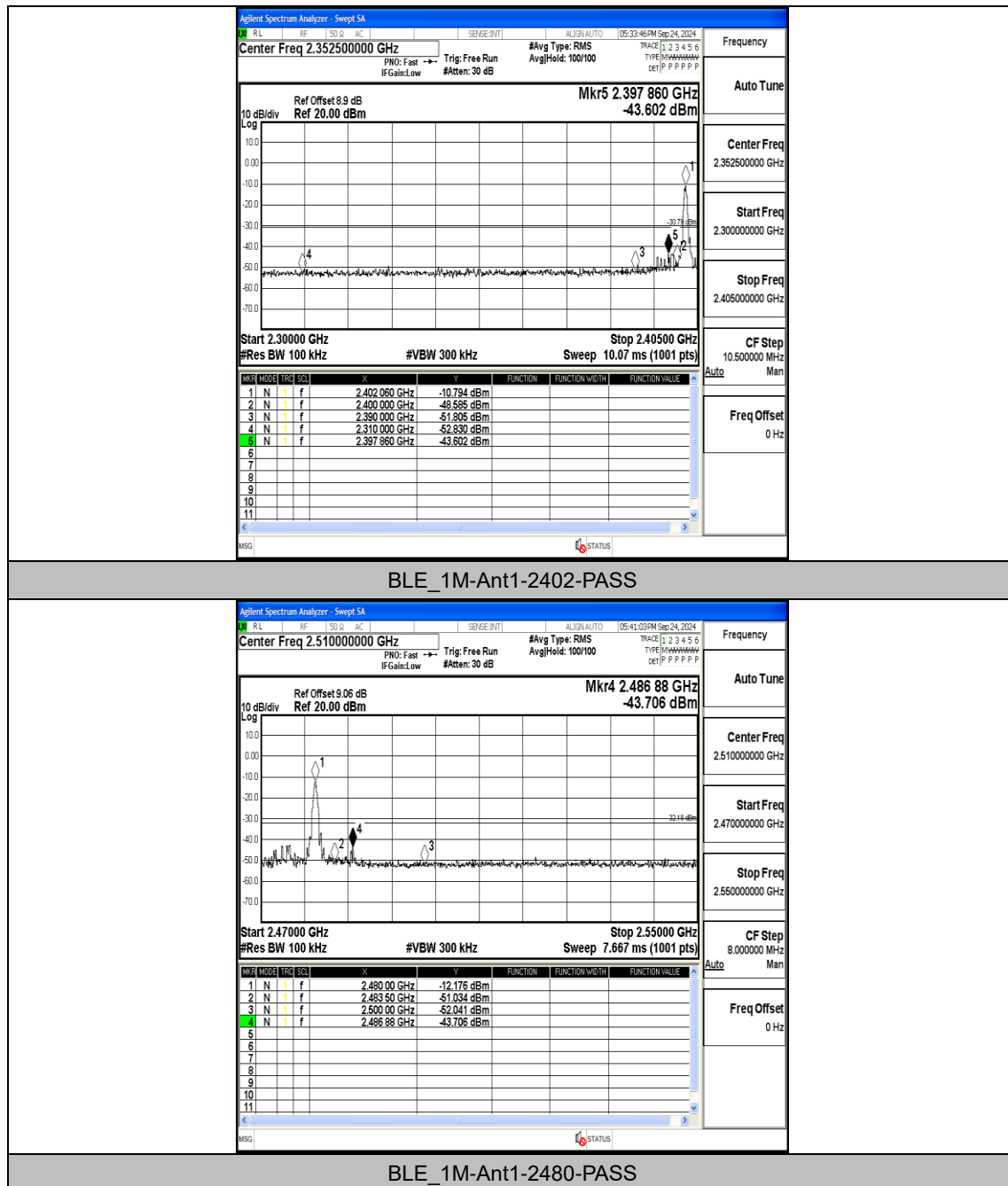


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-10.79	-43.6	≤-30.79	PASS
BLE_1M	Ant1	High	2480	-12.18	-43.71	≤-32.18	PASS

Test Graphs

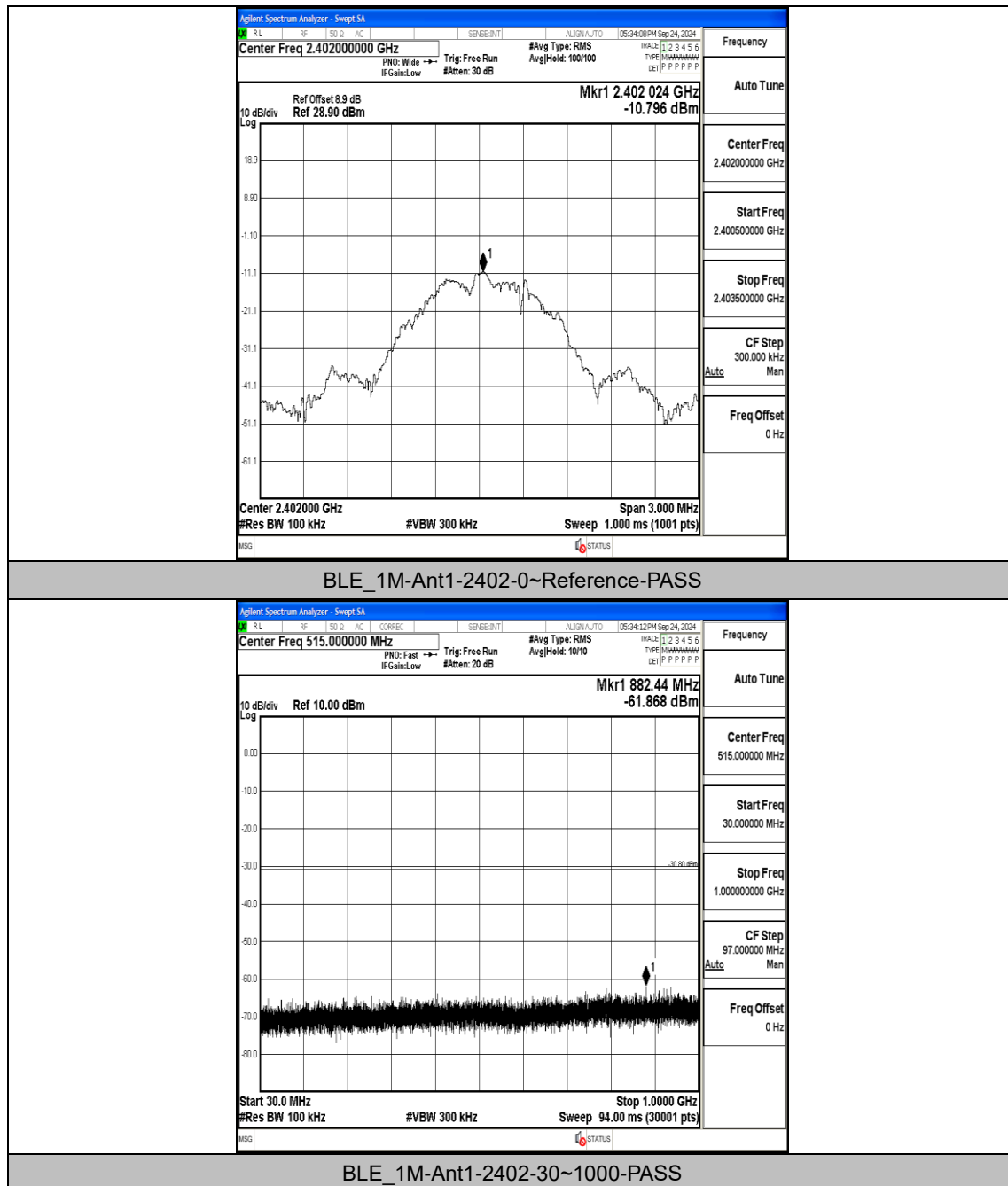


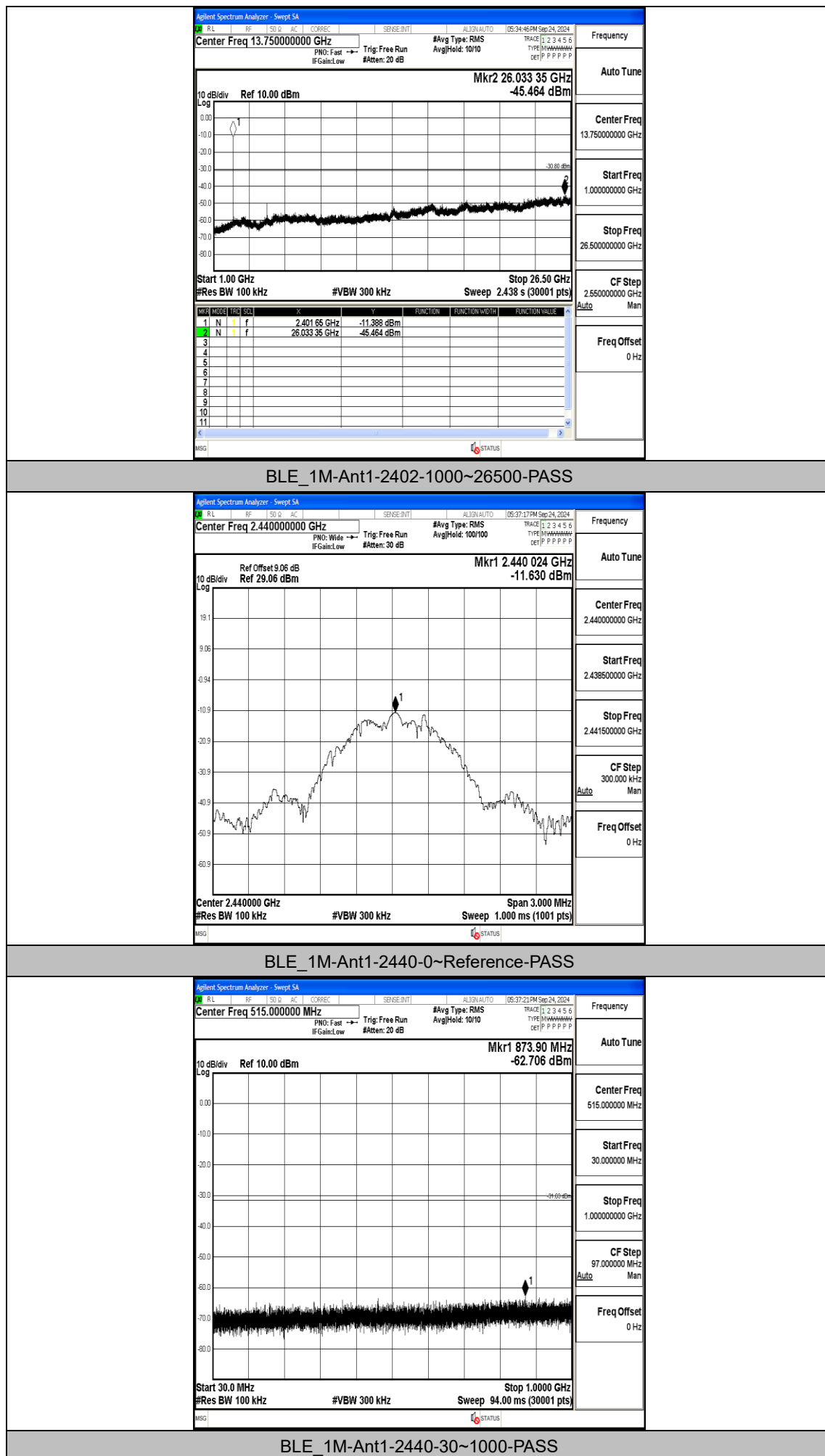
Appendix F: Conducted Spurious Emission

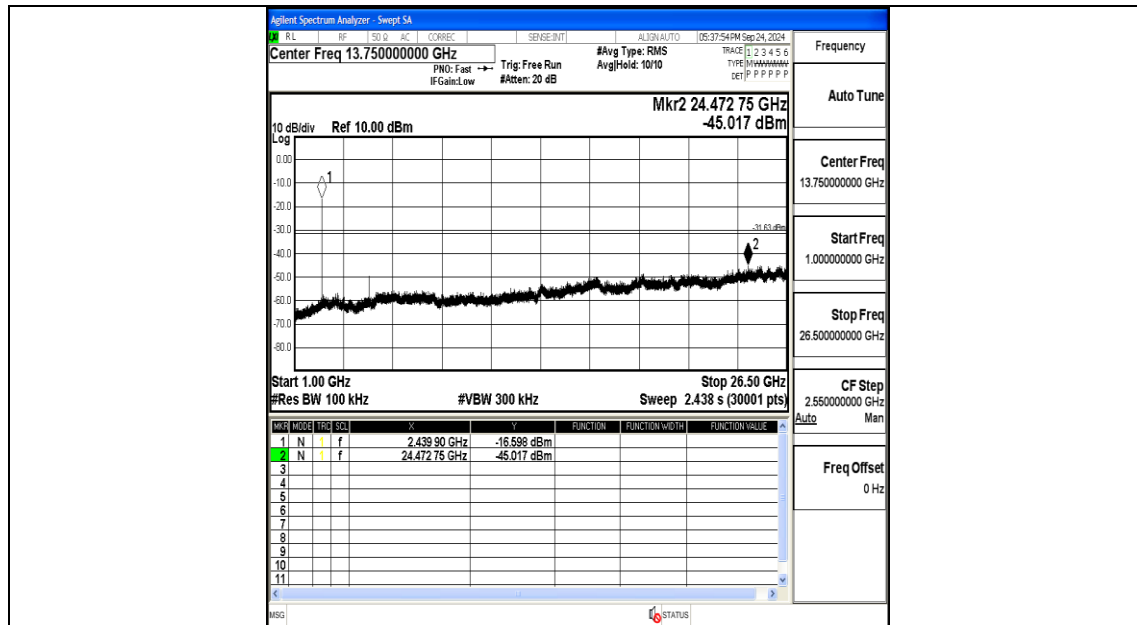
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-10.80	-10.80	---	PASS
BLE_1M	Ant1	2402	30~1000	-10.80	-61.87	≤ -30.8	PASS
BLE_1M	Ant1	2402	1000~26500	-10.80	-45.46	≤ -30.8	PASS
BLE_1M	Ant1	2440	0~Reference	-11.63	-11.63	---	PASS
BLE_1M	Ant1	2440	30~1000	-11.63	-62.71	≤ -31.63	PASS
BLE_1M	Ant1	2440	1000~26500	-11.63	-45.02	≤ -31.63	PASS
BLE_1M	Ant1	2480	0~Reference	-12.38	-12.38	---	PASS
BLE_1M	Ant1	2480	30~1000	-12.38	-63.14	≤ -32.38	PASS
BLE_1M	Ant1	2480	1000~26500	-12.38	-45.08	≤ -32.38	PASS

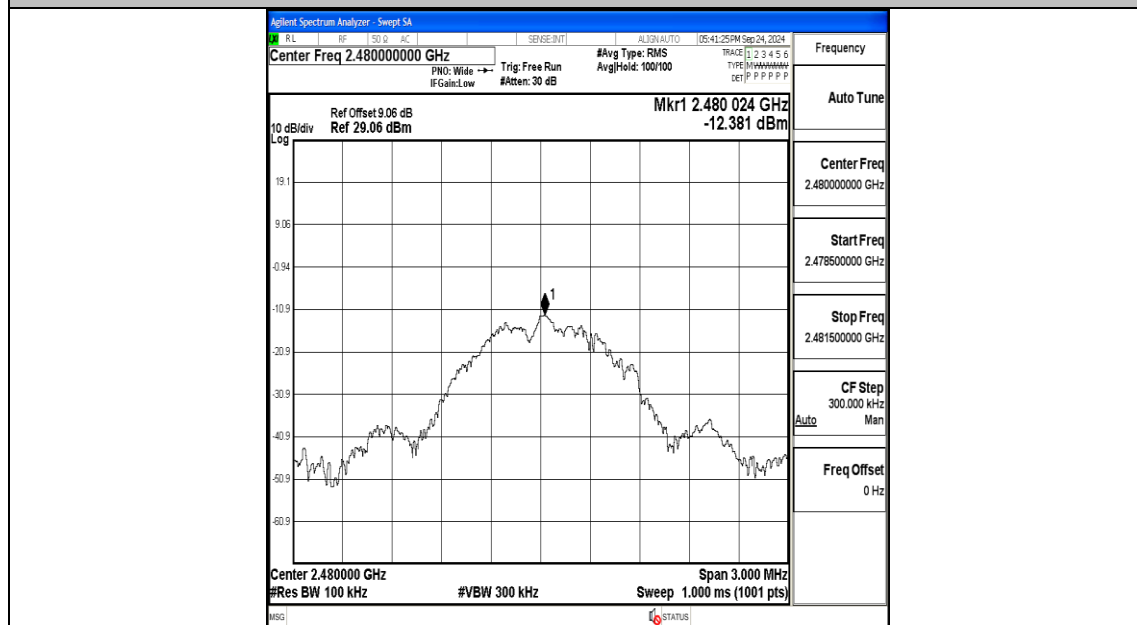
Test Graphs



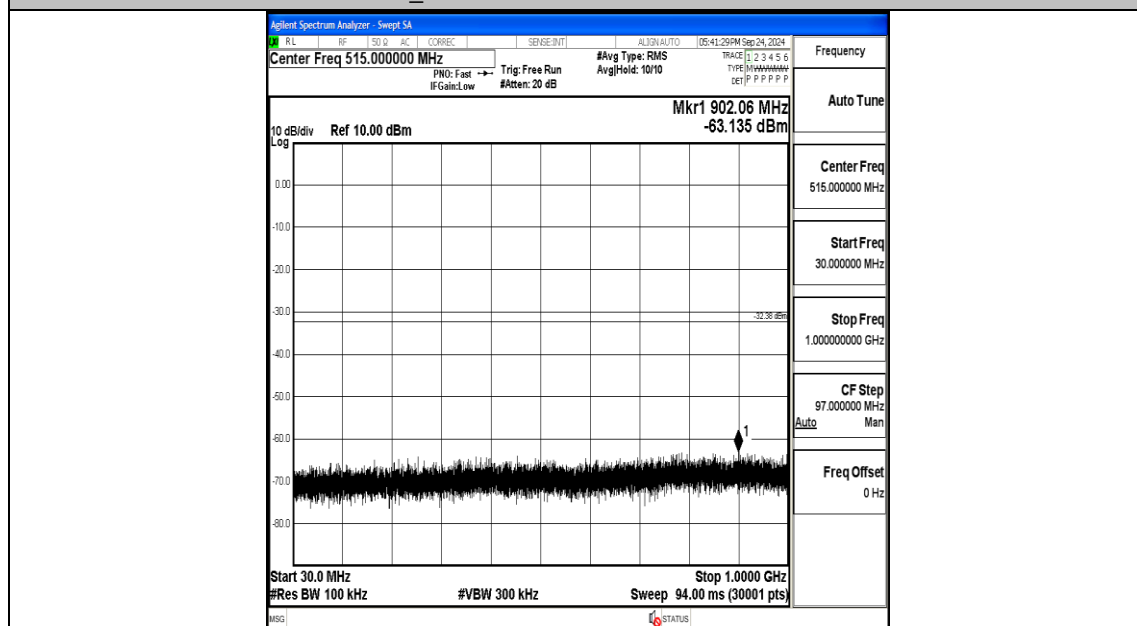




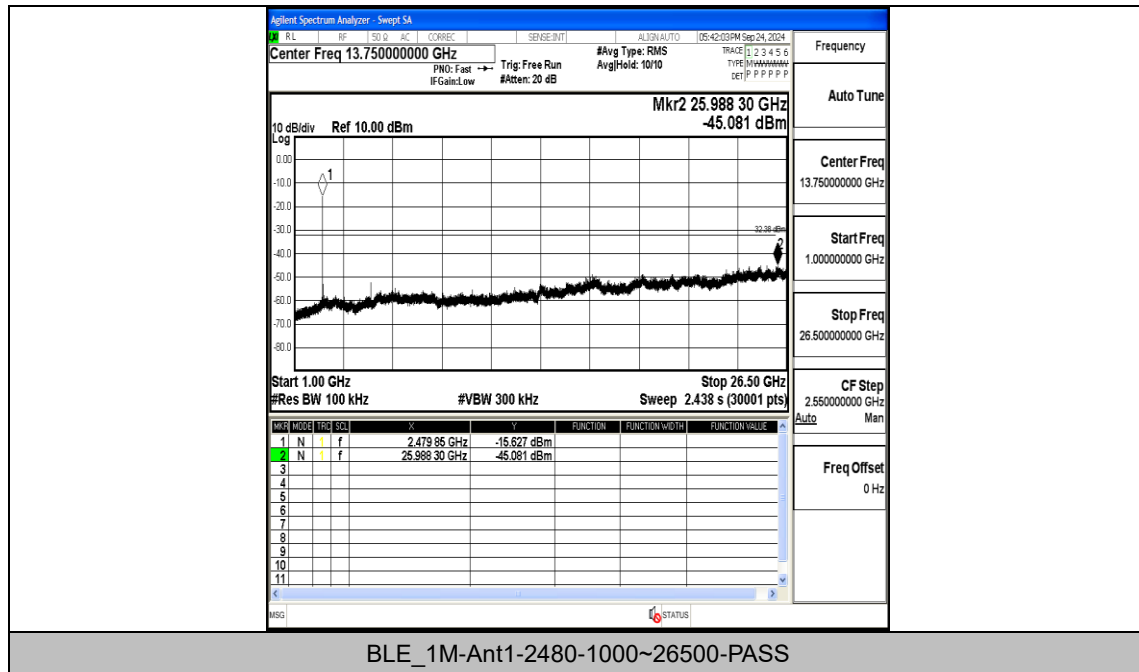
BLE_1M-Ant1-2440-1000~26500-PASS



BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
BLE_1M	Ant1	2402	0.45	1.87	24.06	6.19
BLE_1M	Ant1	2440	0.46	1.88	24.47	6.11
BLE_1M	Ant1	2480	0.46	1.88	24.47	6.11

Test Graphs

