

Appendix Test Data for BLE (Conducted Measurement)

Product Name: Wireless Keyboard

Trade Mark: JamesDonkey

Test Model: J2

FCC ID: 2BGKB-J2

Environmental Conditions

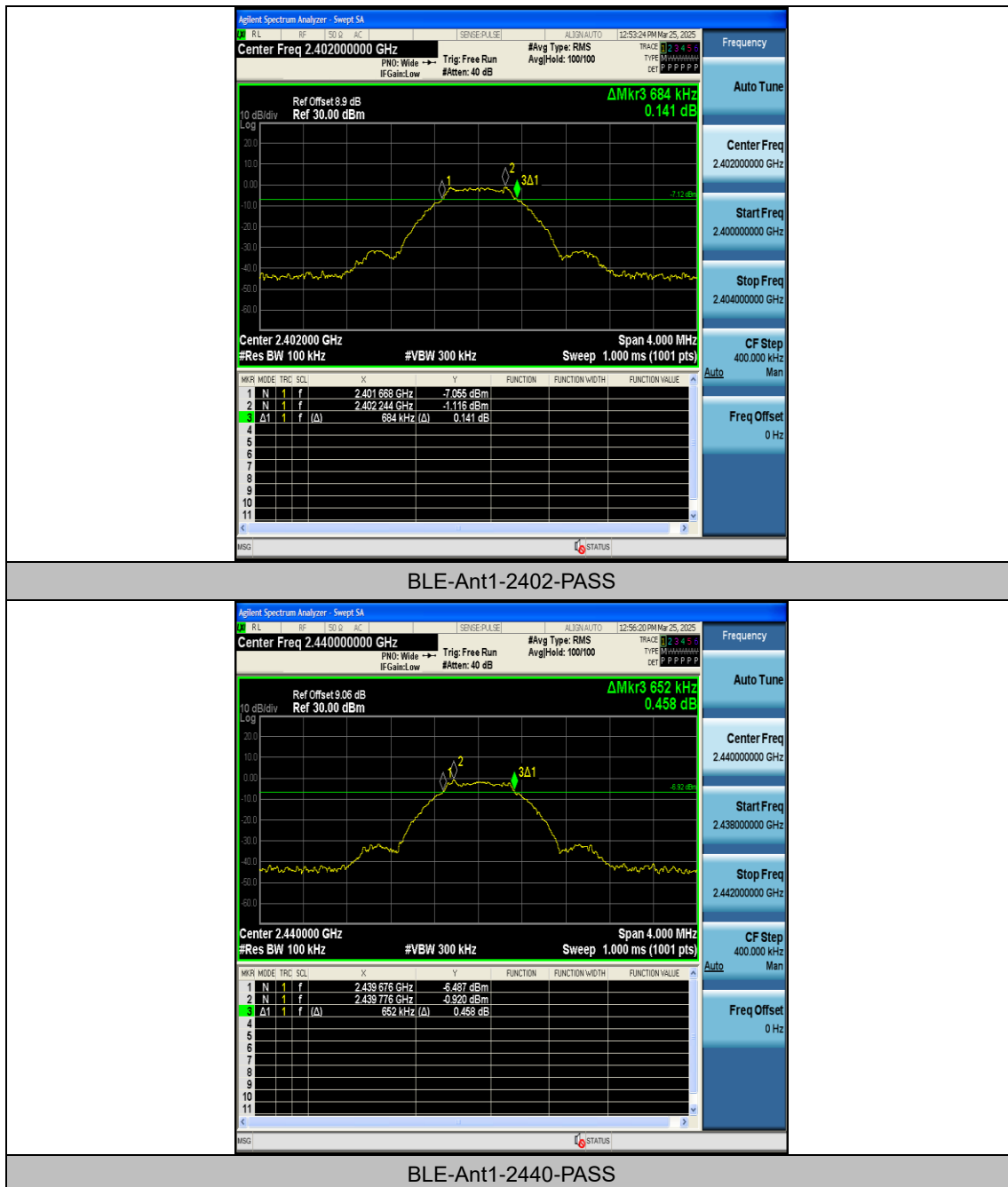
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE	Ant1	2402	0.684	2401.668	2402.352	0.5	PASS
BLE	Ant1	2440	0.652	2439.676	2440.328	0.5	PASS
BLE	Ant1	2480	0.672	2479.668	2480.340	0.5	PASS

Test Graphs



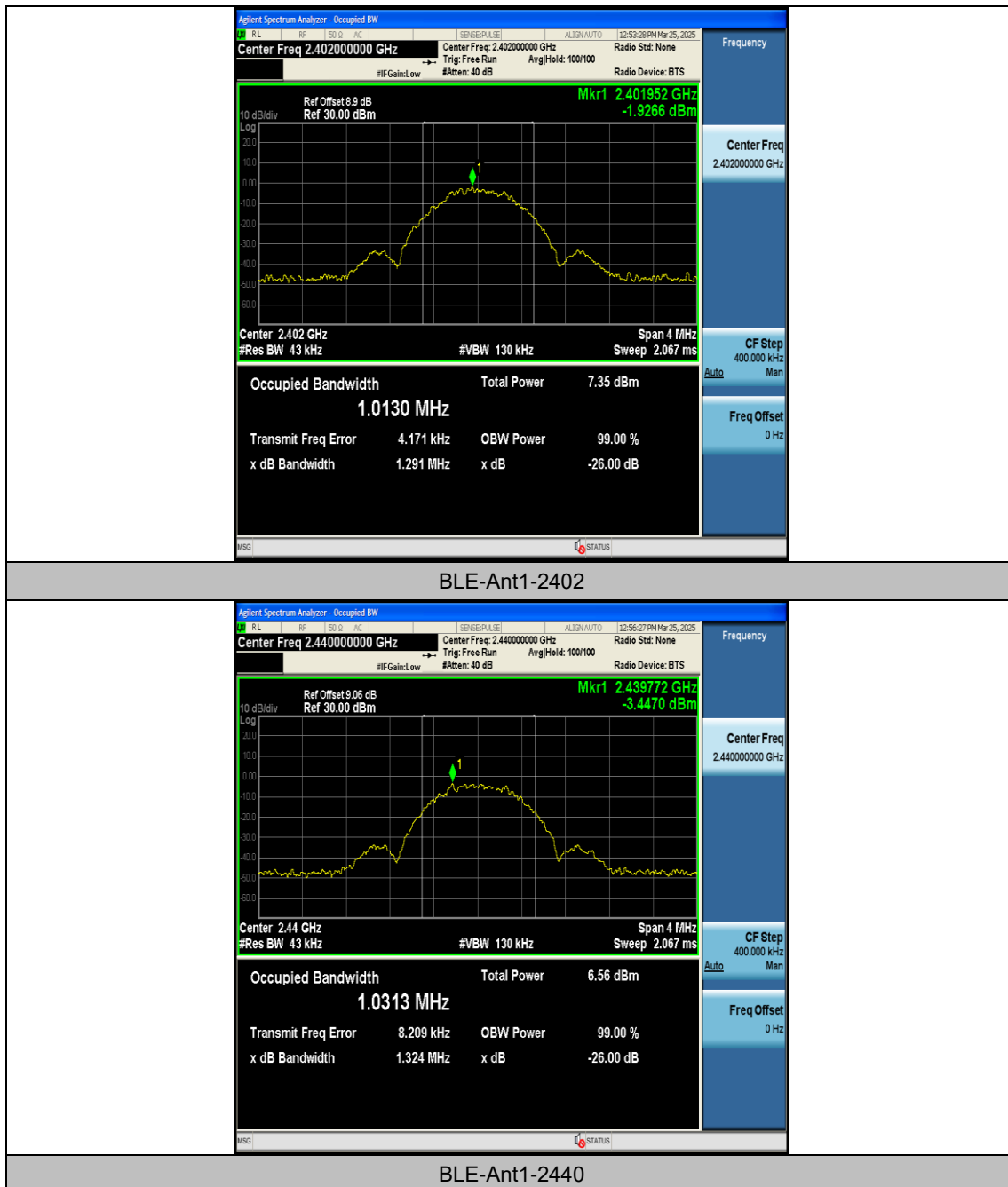


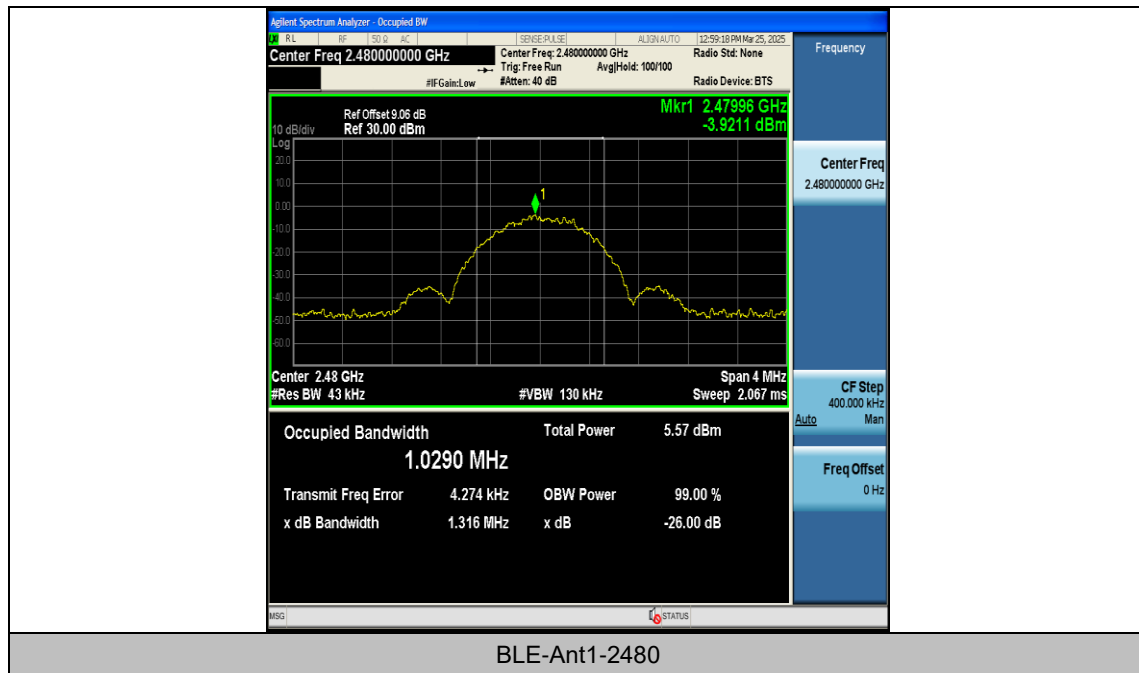
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE	Ant1	2402	1.0130	2401.4977	2402.5107	---	---
BLE	Ant1	2440	1.0313	2439.4926	2440.5239	---	---
BLE	Ant1	2480	1.0290	2479.4898	2480.5188	---	---

Test Graphs



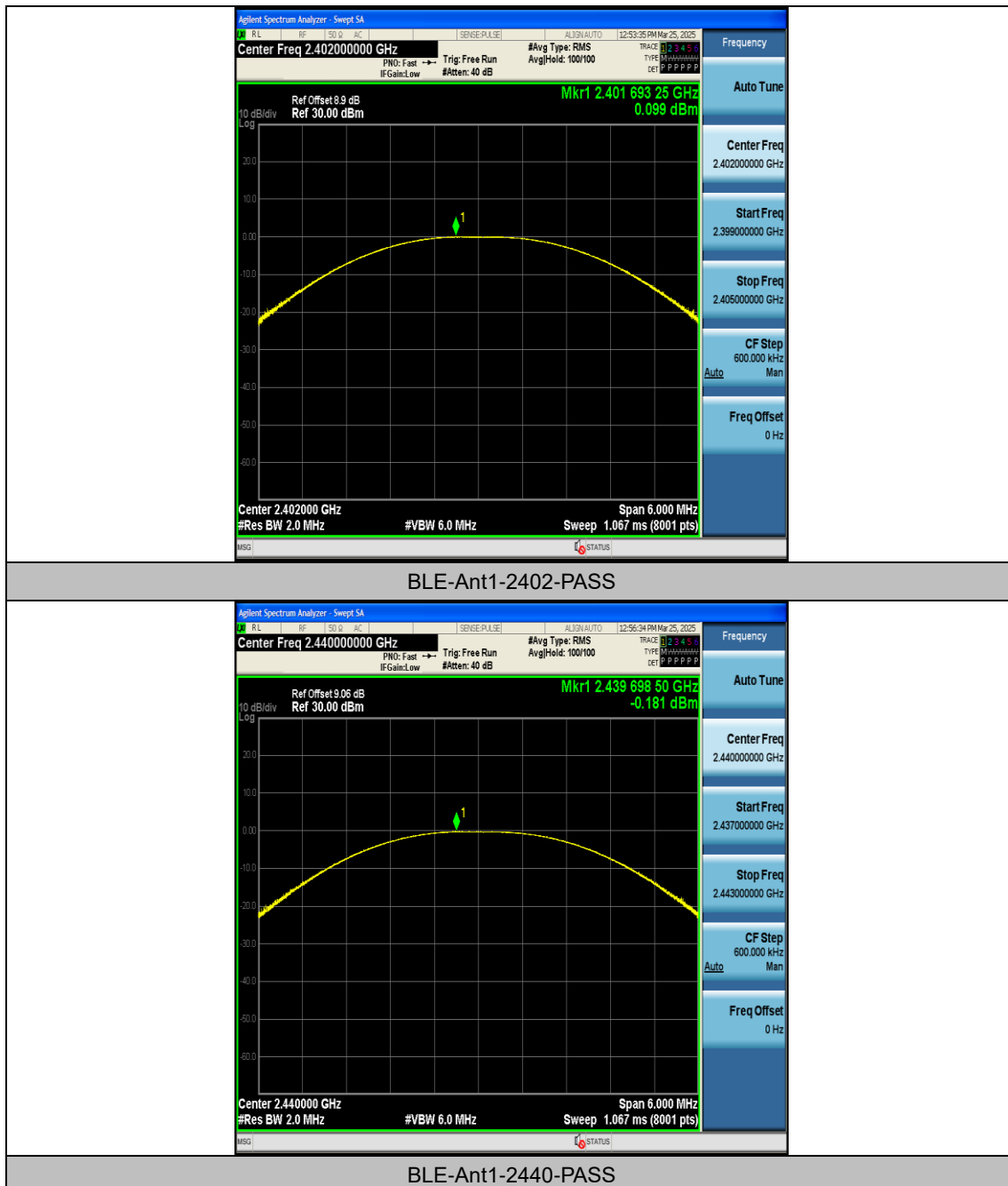


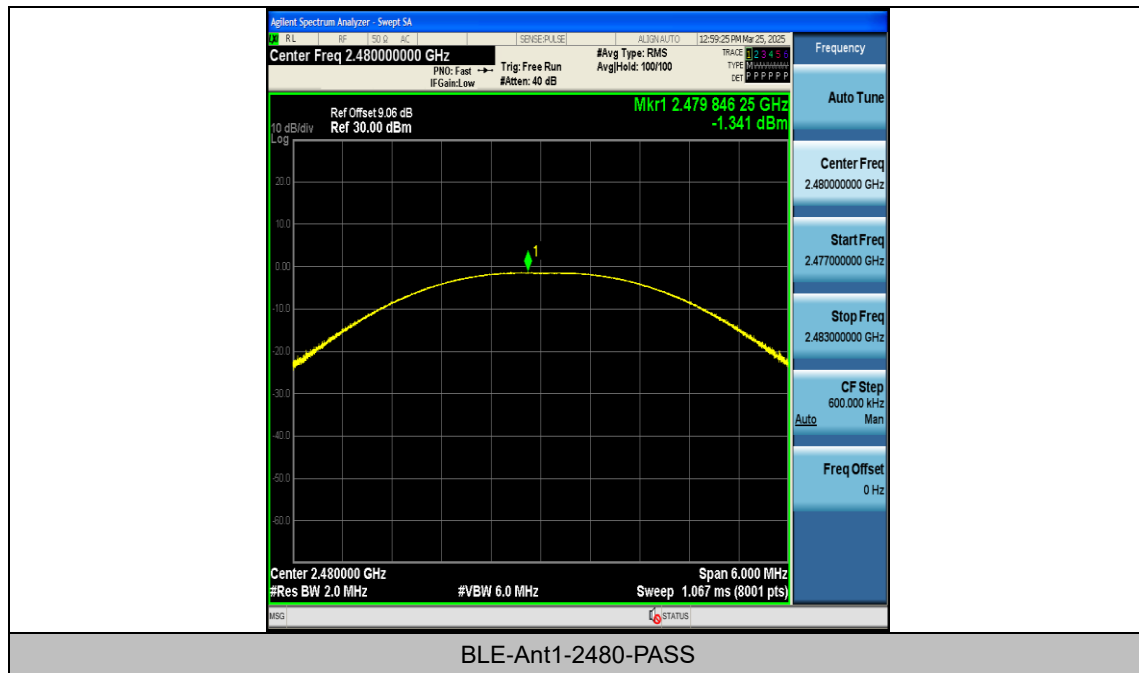
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE	Ant1	2402	0.10	≤30	PASS
BLE	Ant1	2440	-0.18	≤30	PASS
BLE	Ant1	2480	-1.34	≤30	PASS

Test Graphs Peak



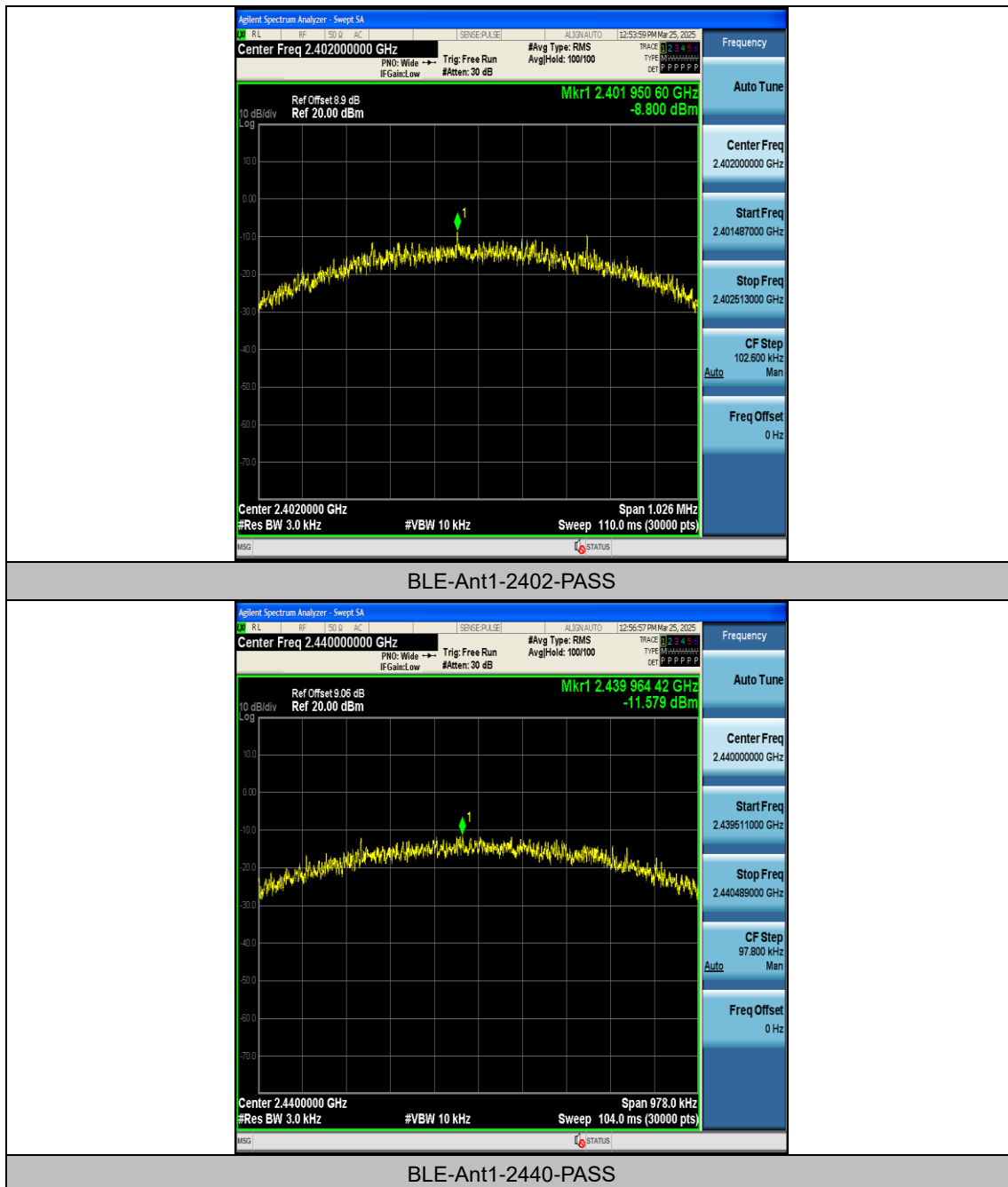


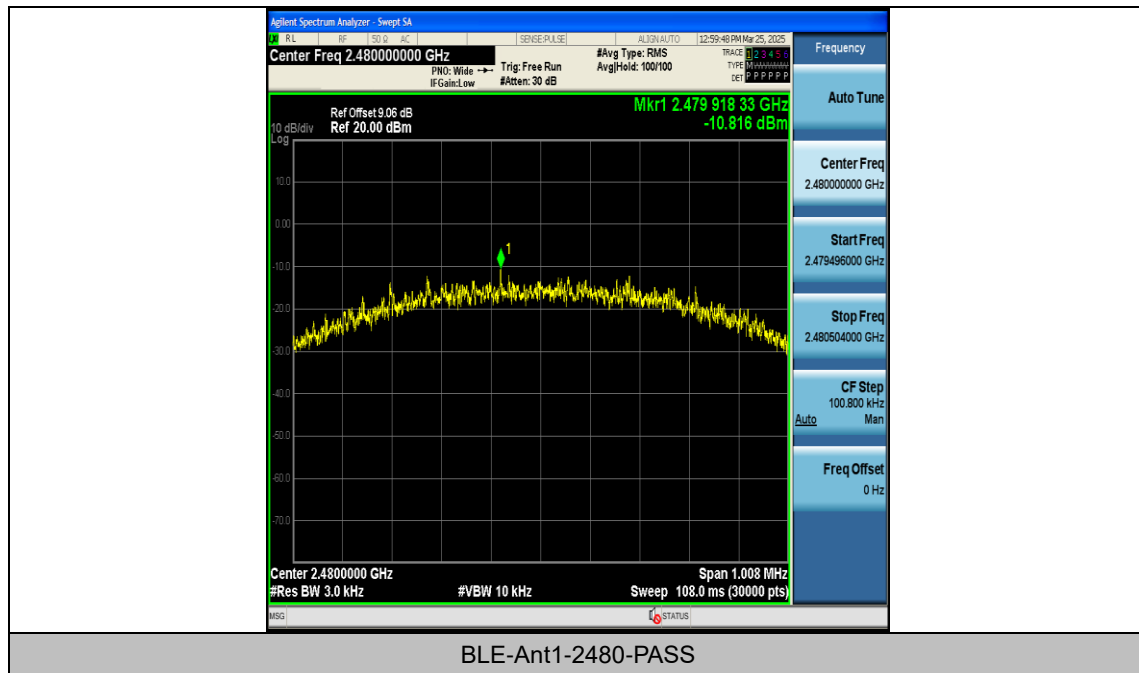
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE	Ant1	2402	-8.80	≤8.00	PASS
BLE	Ant1	2440	-11.58	≤8.00	PASS
BLE	Ant1	2480	-10.82	≤8.00	PASS

Test Graphs



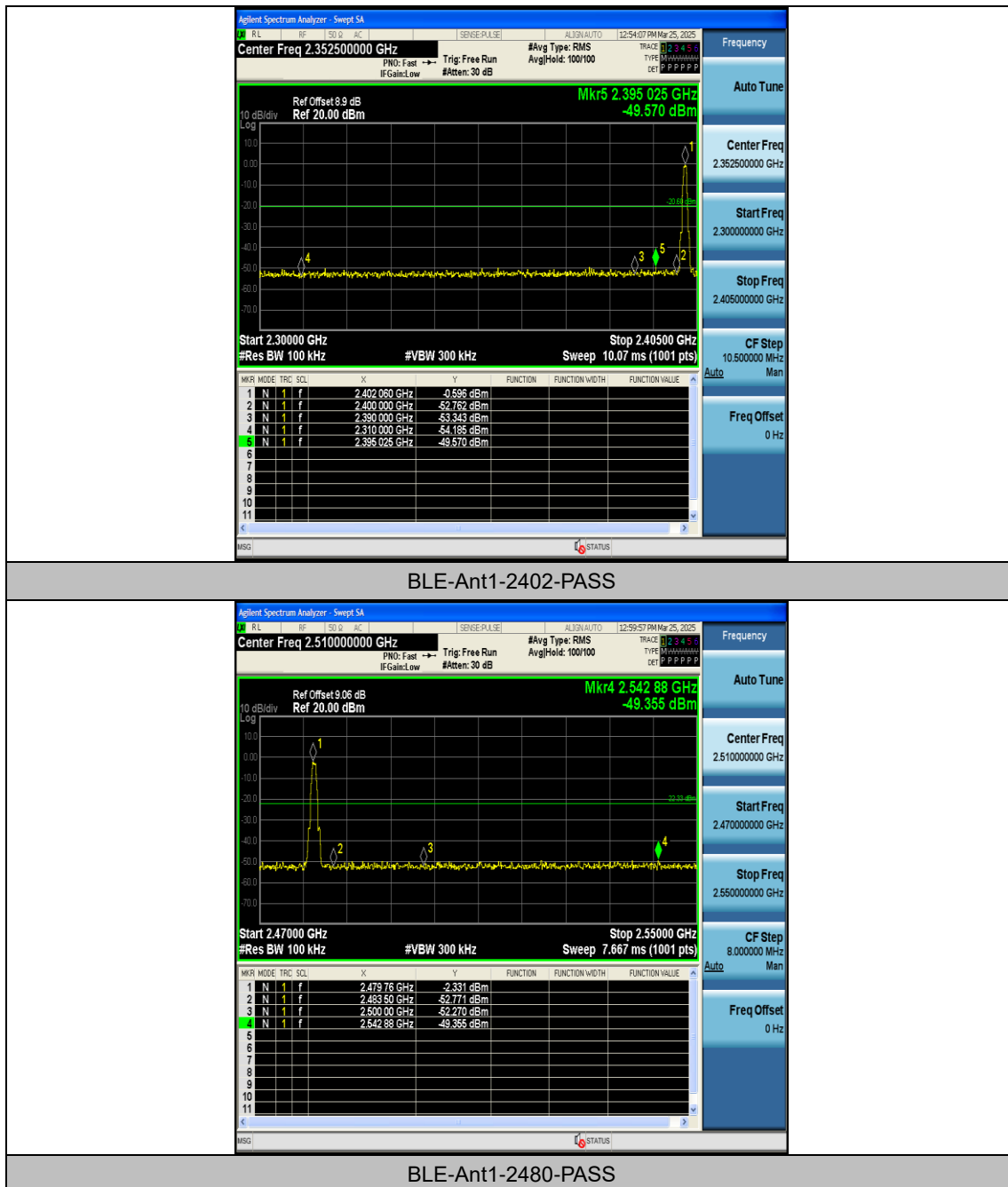


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE	Ant1	Low	2402	-0.60	-49.57	≤ -20.6	PASS
BLE	Ant1	High	2480	-2.33	-49.36	≤ -22.33	PASS

Test Graphs

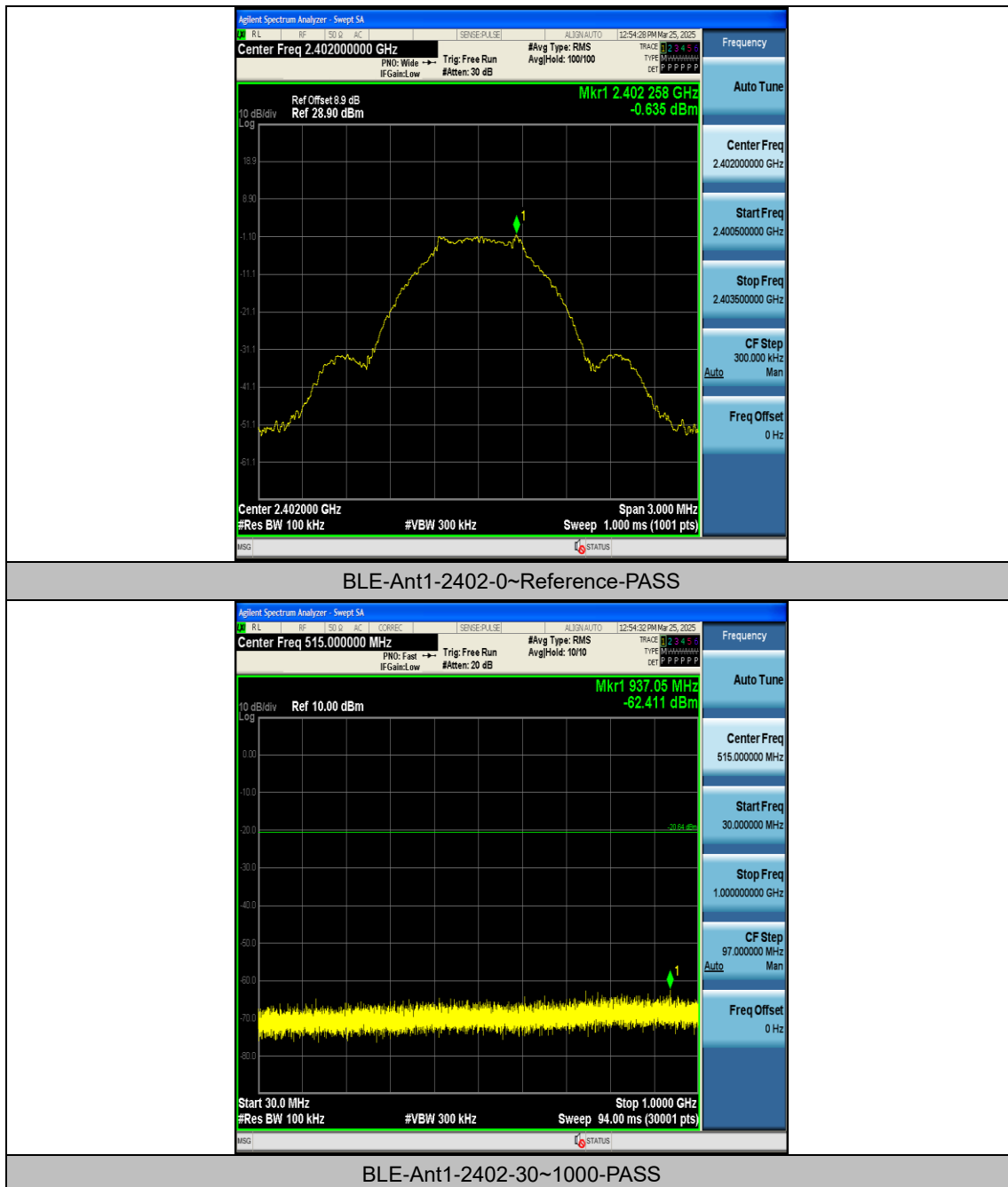


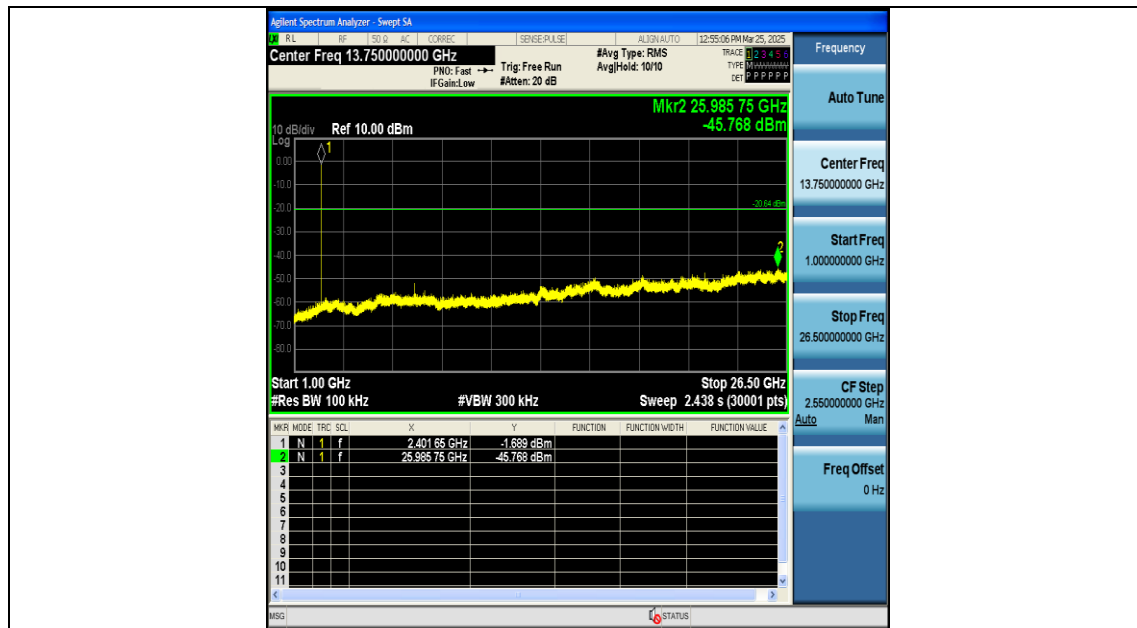
Appendix F: Conducted Spurious Emission

Test Result

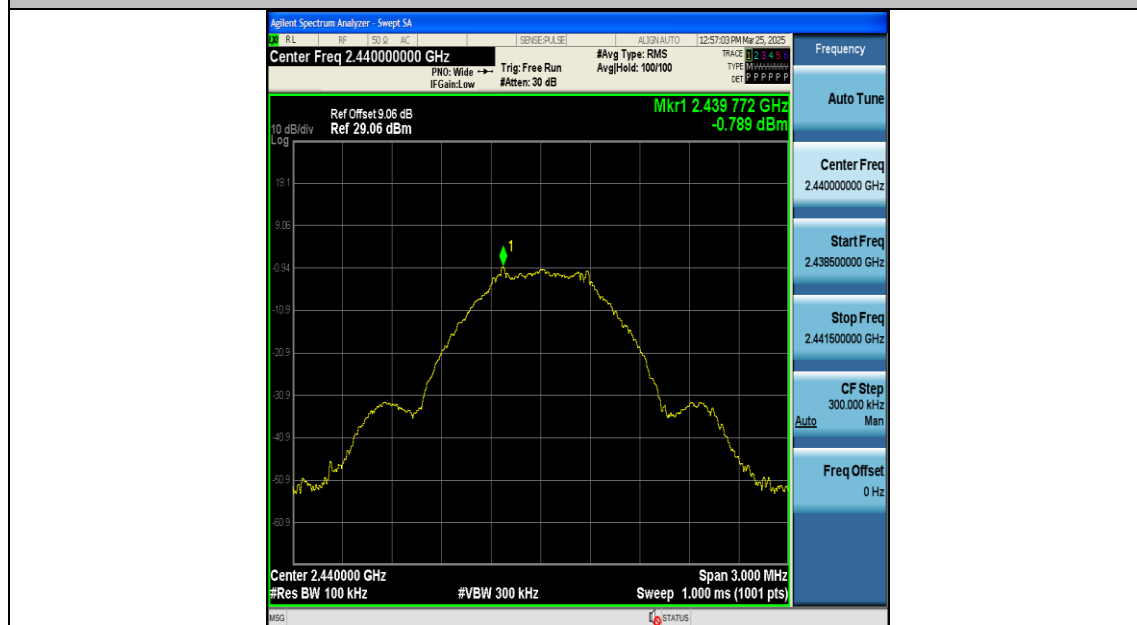
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE	Ant1	2402	0~Reference	-0.64	-0.64	---	PASS
BLE	Ant1	2402	30~1000	-0.64	-62.41	≤-20.64	PASS
BLE	Ant1	2402	1000~26500	-0.64	-45.77	≤-20.64	PASS
BLE	Ant1	2440	0~Reference	-0.79	-0.79	---	PASS
BLE	Ant1	2440	30~1000	-0.79	-62.98	≤-20.79	PASS
BLE	Ant1	2440	1000~26500	-0.79	-44.99	≤-20.79	PASS
BLE	Ant1	2480	0~Reference	-2.10	-2.10	---	PASS
BLE	Ant1	2480	30~1000	-2.10	-62.75	≤-22.1	PASS
BLE	Ant1	2480	1000~26500	-2.10	-45.37	≤-22.1	PASS

Test Graphs

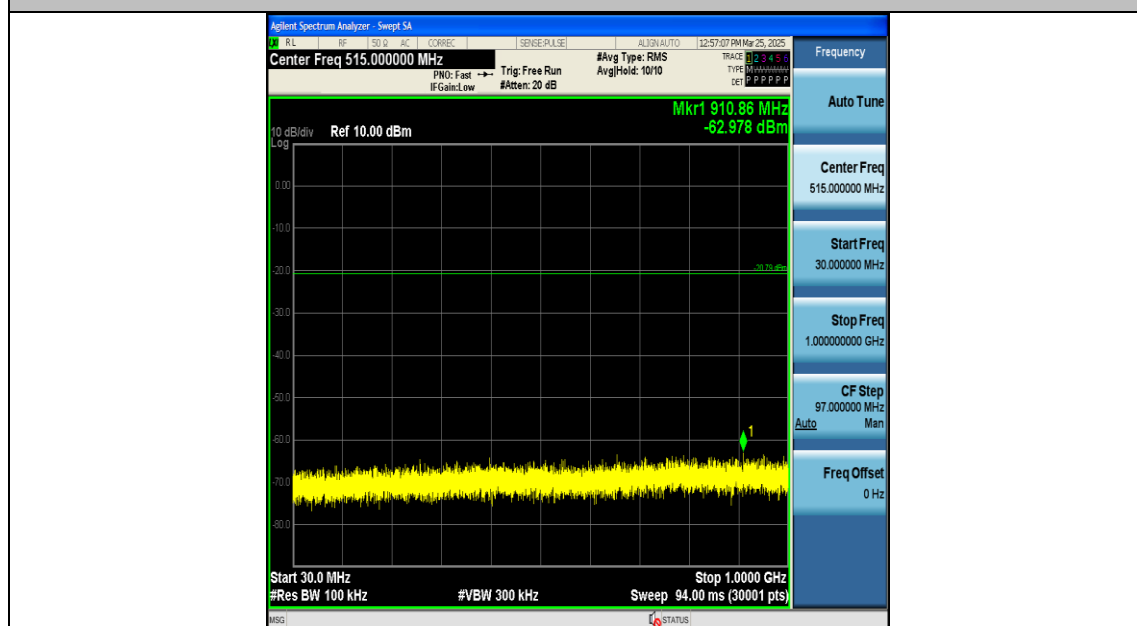




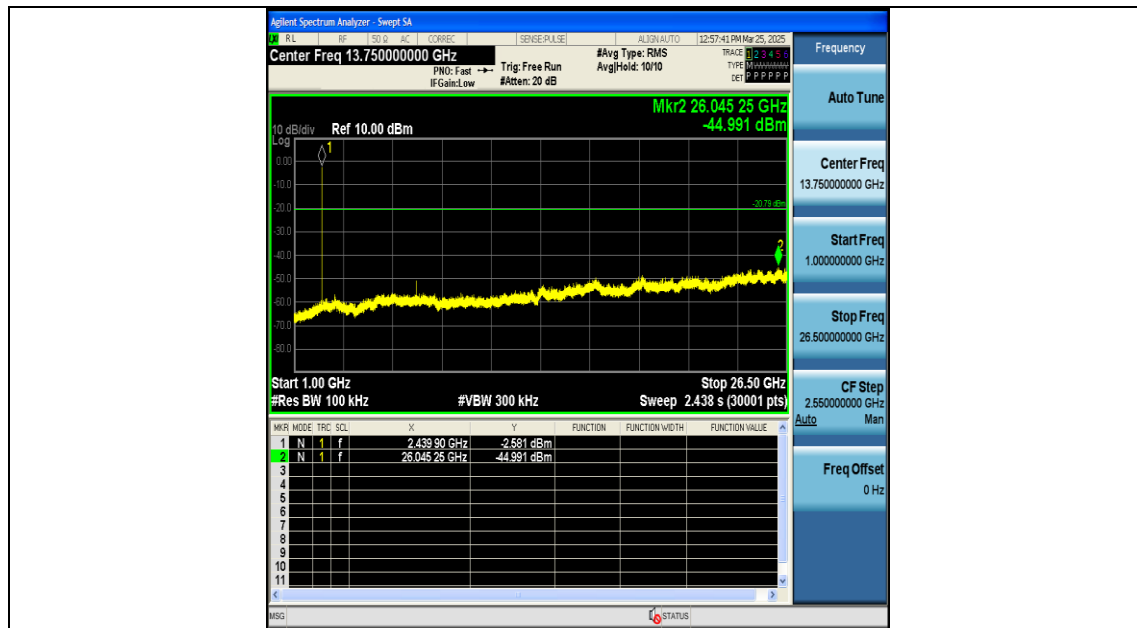
BLE-Ant1-2402-1000~26500-PASS



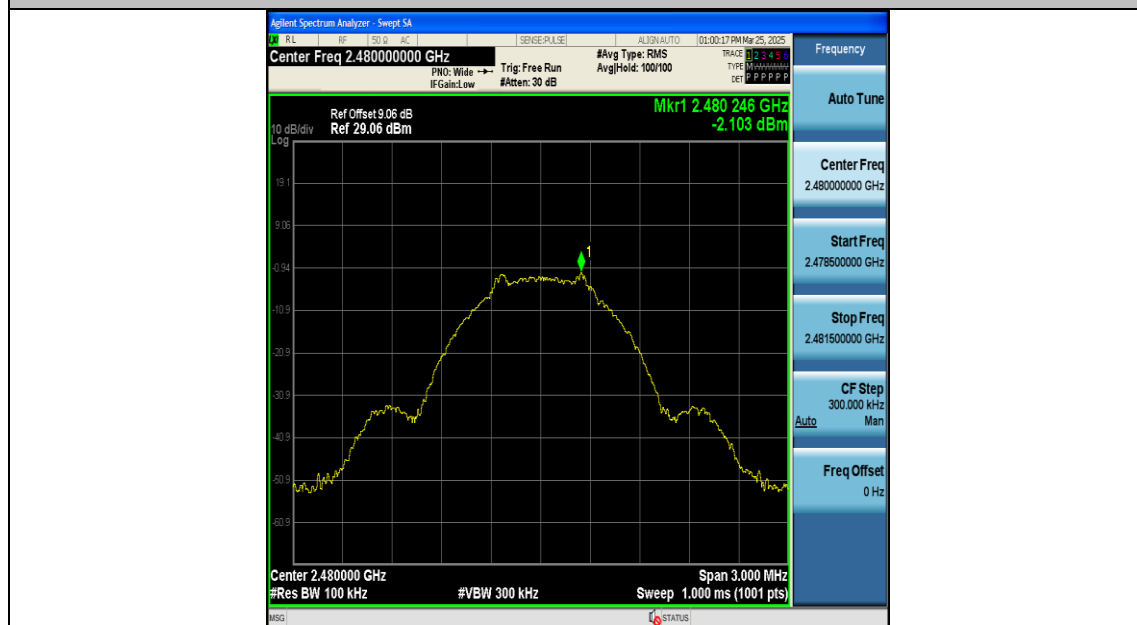
BLE-Ant1-2440-0~Reference-PASS



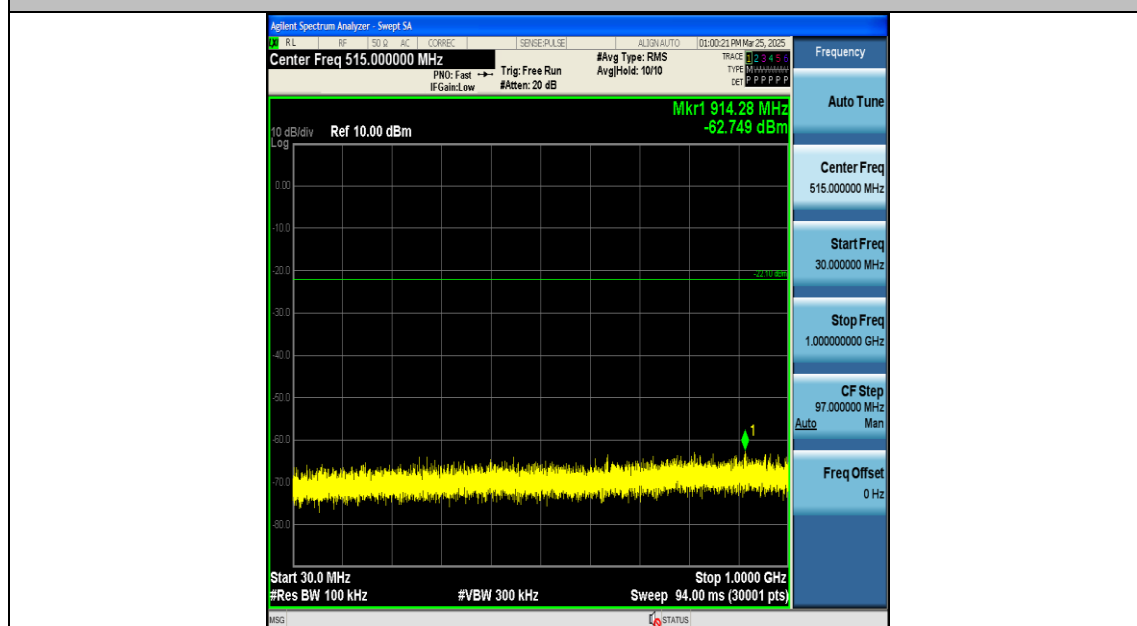
BLE-Ant1-2440-30~1000-PASS



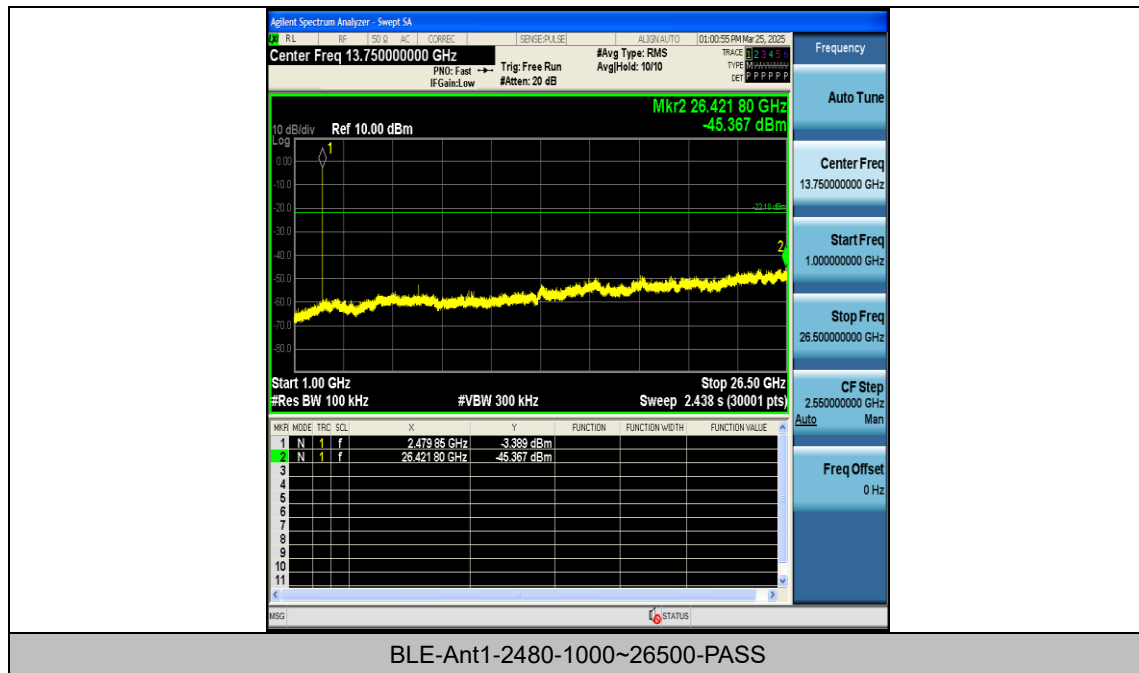
BLE-Ant1-2440-1000~26500-PASS



BLE-Ant1-2480-0~Reference-PASS



BLE-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	Ant1	2402	19.00	19.00	100.00	0.00
BLE	Ant1	2440	19.00	19.00	100.00	0.00
BLE	Ant1	2480	19.00	19.00	100.00	0.00

Test Graphs

