

Appendix Test Data for BLE (Conducted Measurement)

Product Name: Wireless Keyboard

Trade Mark: JamesDonkey

Test Model: J5

FCC ID: 2BGKB-J5

Environmental Conditions

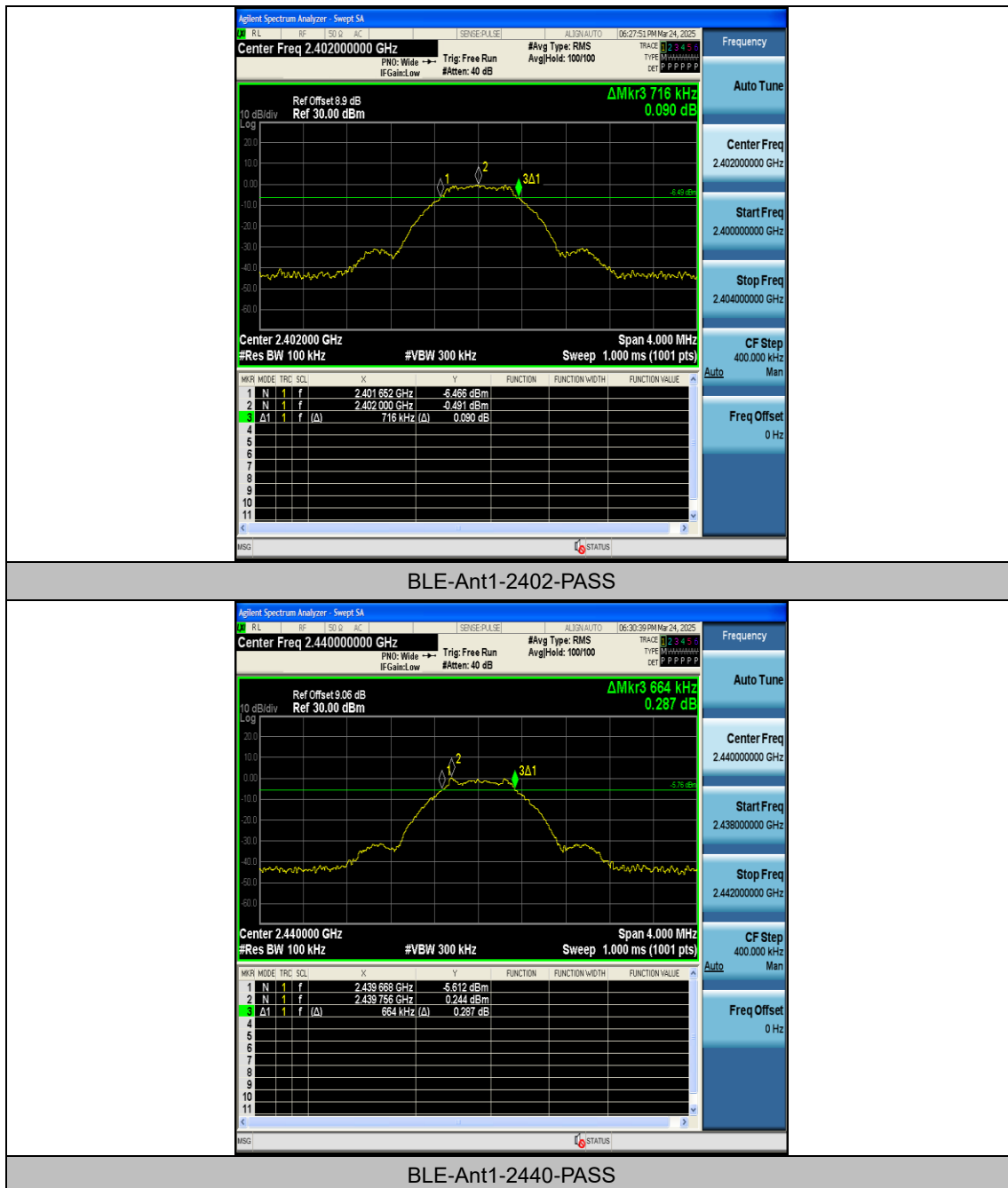
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE	Ant1	2402	0.716	2401.652	2402.368	0.5	PASS
BLE	Ant1	2440	0.664	2439.668	2440.332	0.5	PASS
BLE	Ant1	2480	0.716	2479.648	2480.364	0.5	PASS

Test Graphs



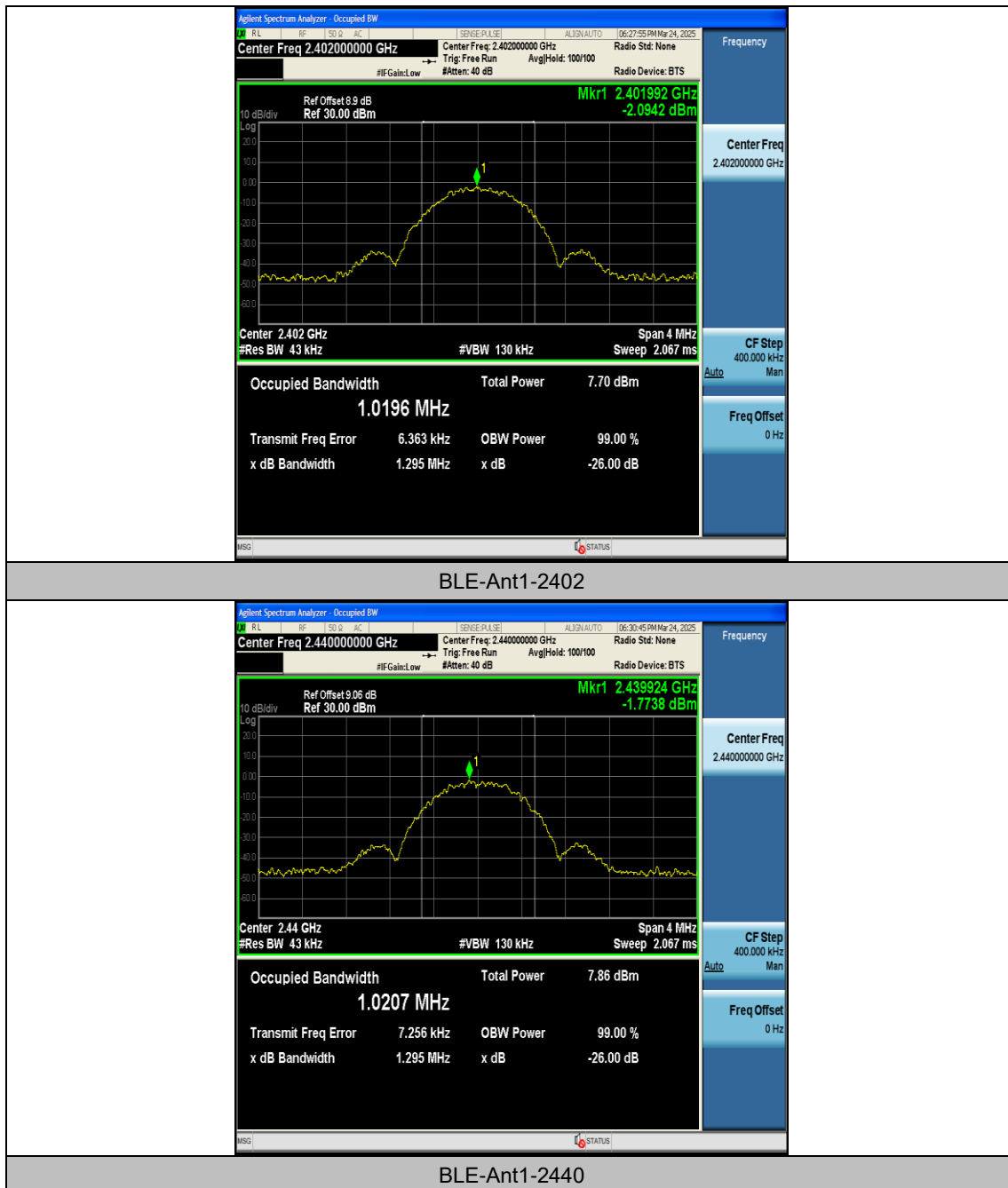


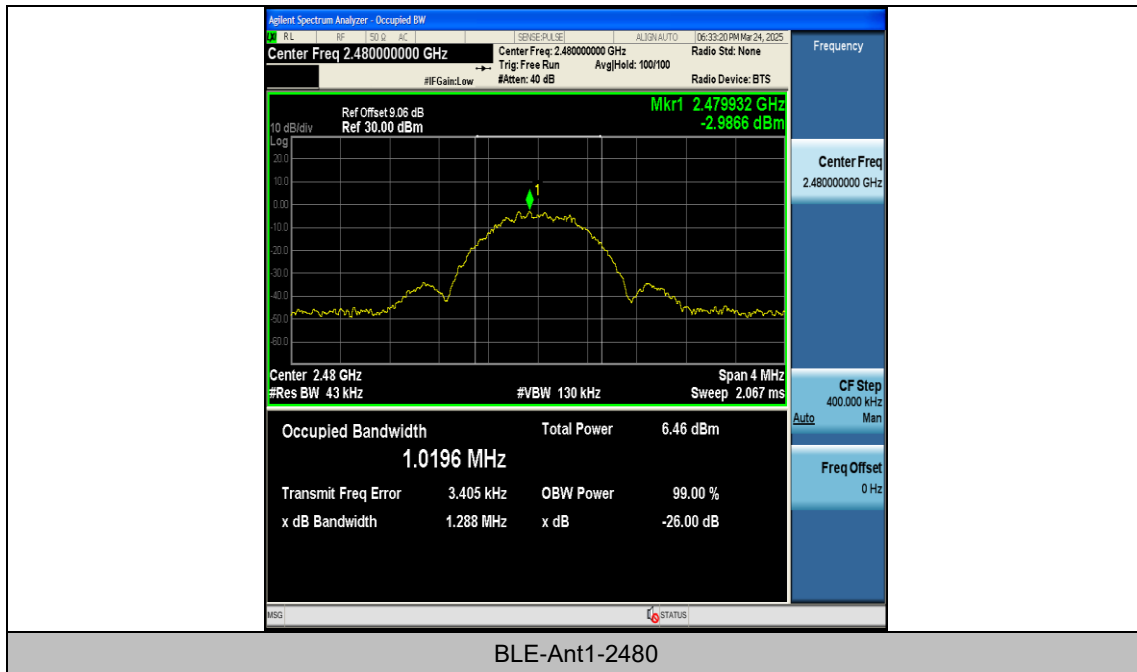
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE	Ant1	2402	1.0196	2401.4966	2402.5162	---	---
BLE	Ant1	2440	1.0207	2439.4969	2440.5176	---	---
BLE	Ant1	2480	1.0196	2479.4936	2480.5132	---	---

Test Graphs



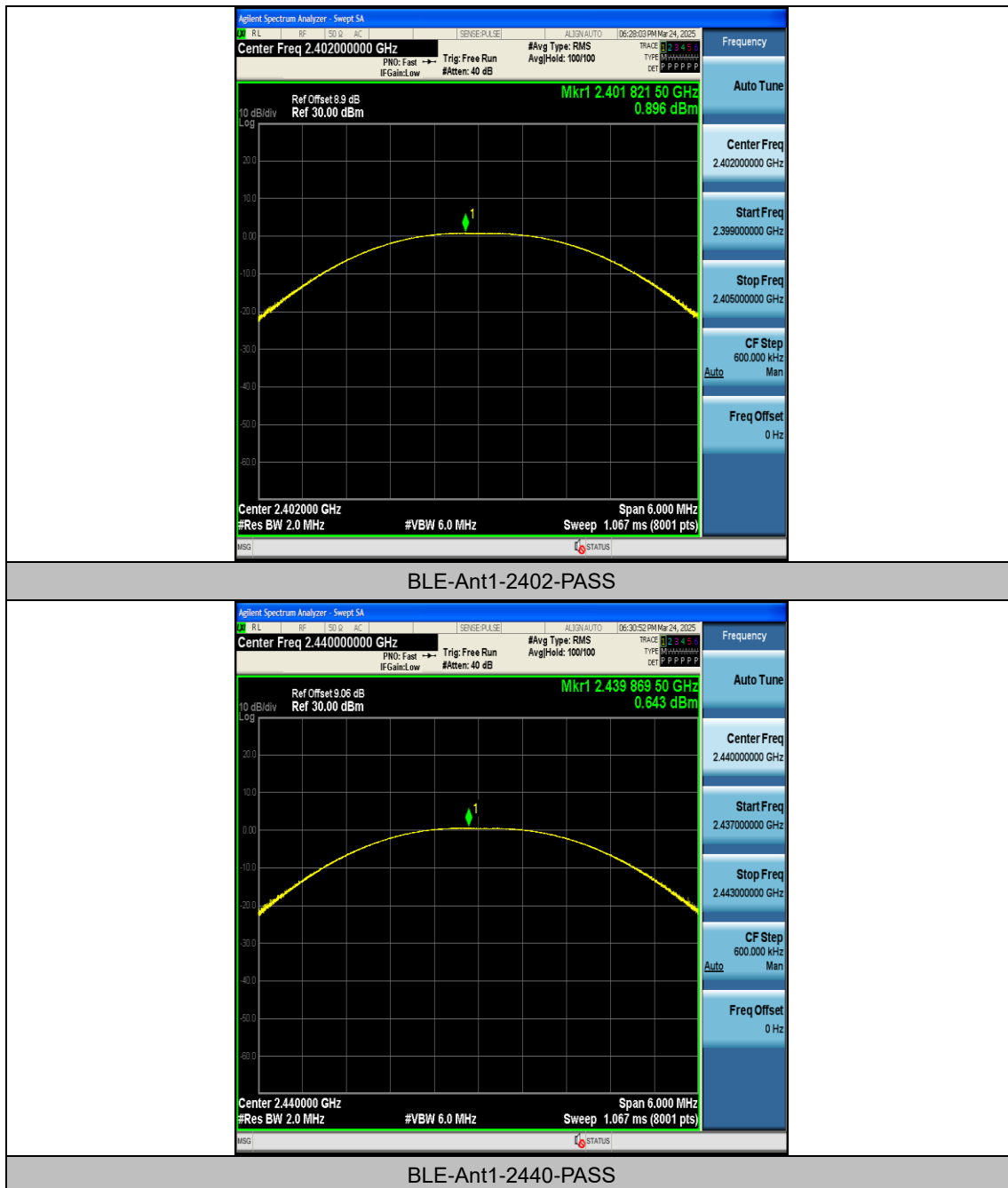


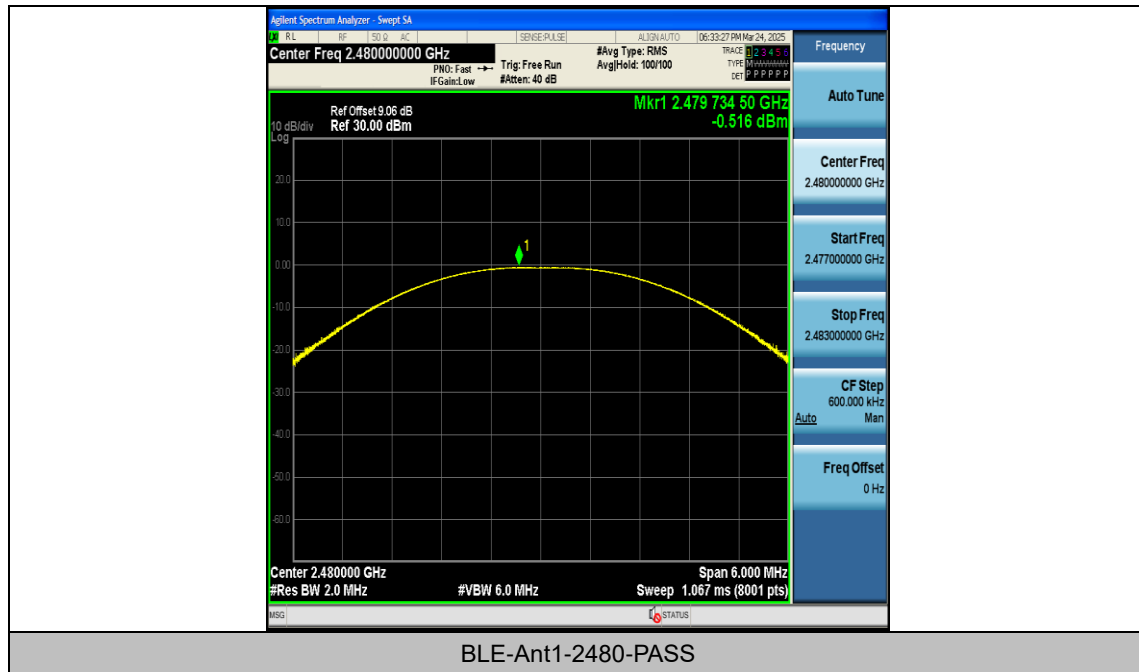
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE	Ant1	2402	0.90	≤30	PASS
BLE	Ant1	2440	0.64	≤30	PASS
BLE	Ant1	2480	-0.52	≤30	PASS

Test Graphs Peak



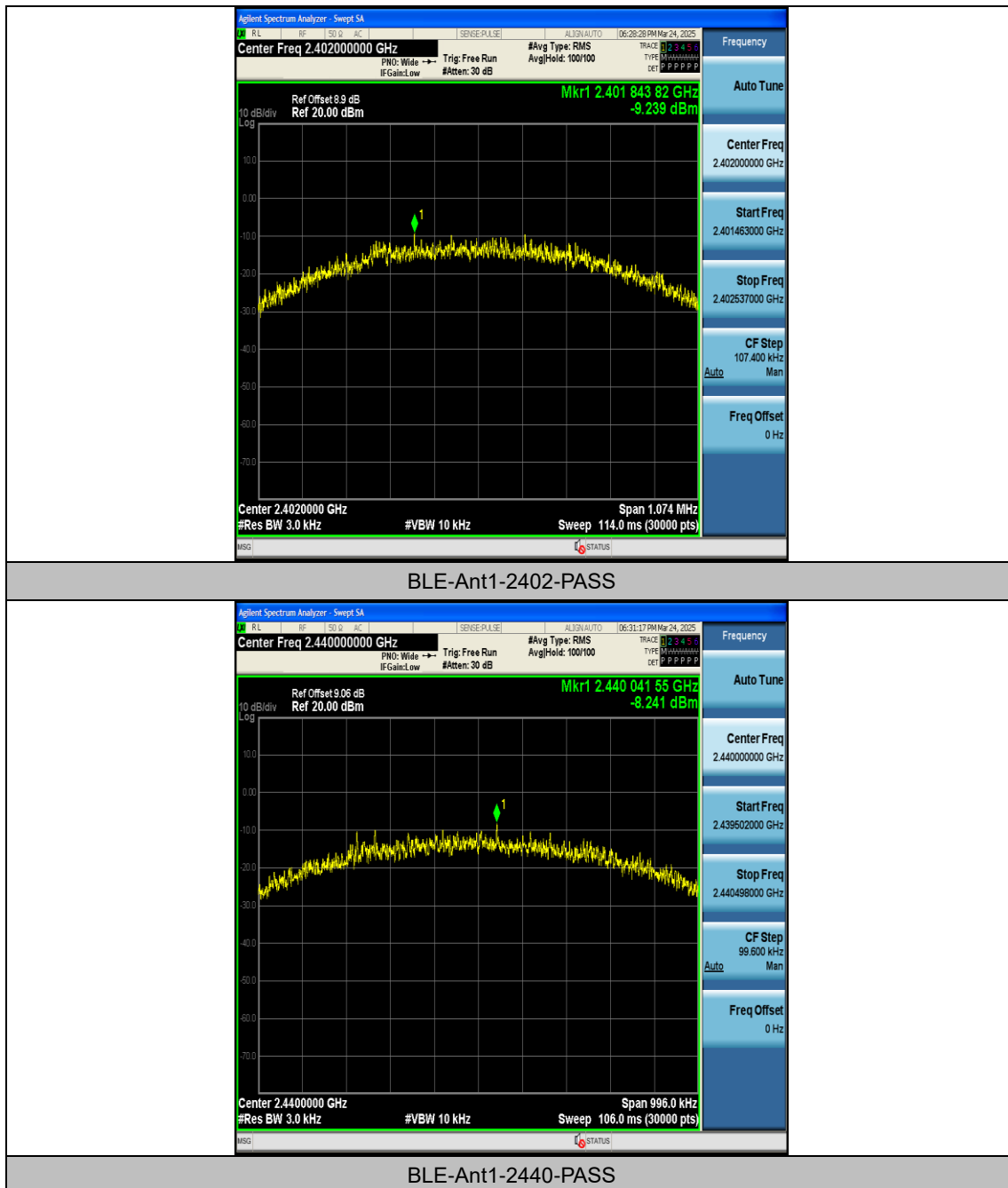


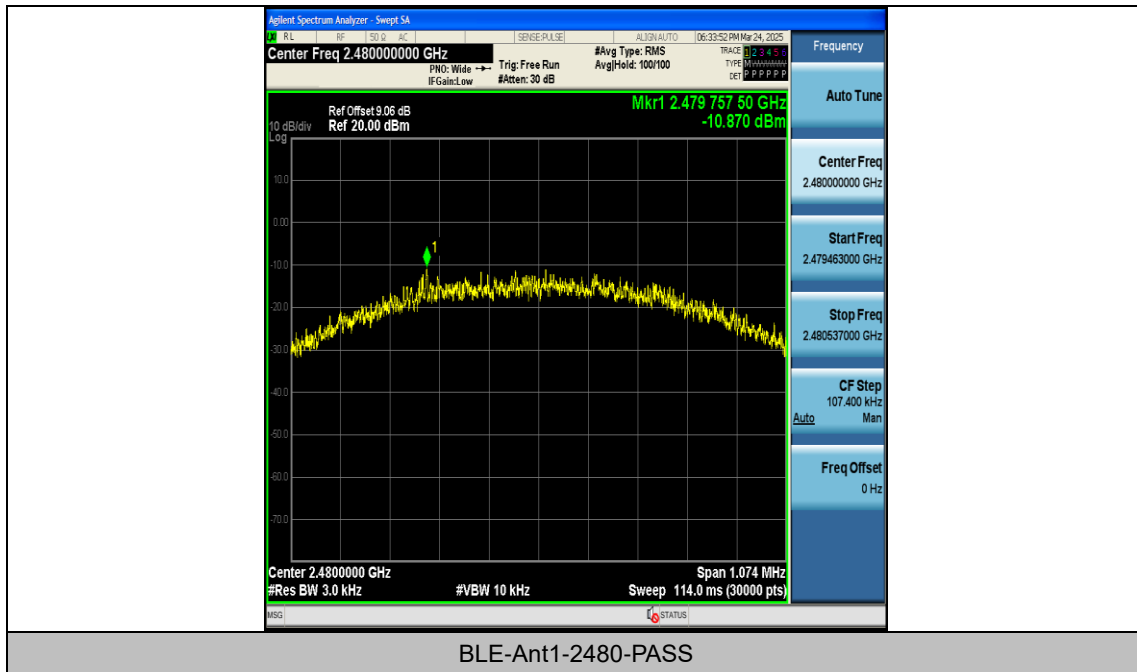
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE	Ant1	2402	-9.24	≤8.00	PASS
BLE	Ant1	2440	-8.24	≤8.00	PASS
BLE	Ant1	2480	-10.87	≤8.00	PASS

Test Graphs



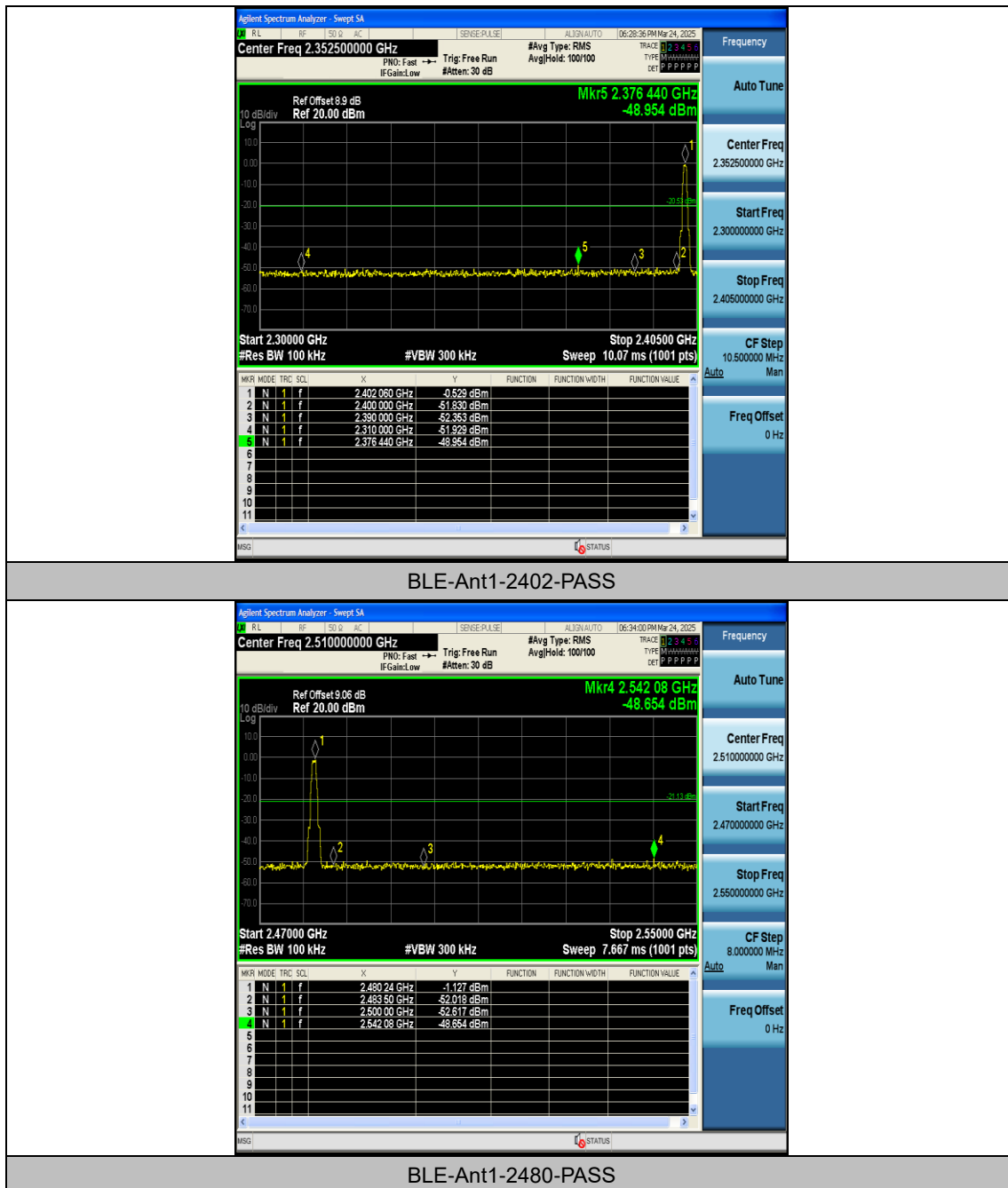


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE	Ant1	Low	2402	-0.53	-48.95	≤ -20.53	PASS
BLE	Ant1	High	2480	-1.13	-48.65	≤ -21.13	PASS

Test Graphs

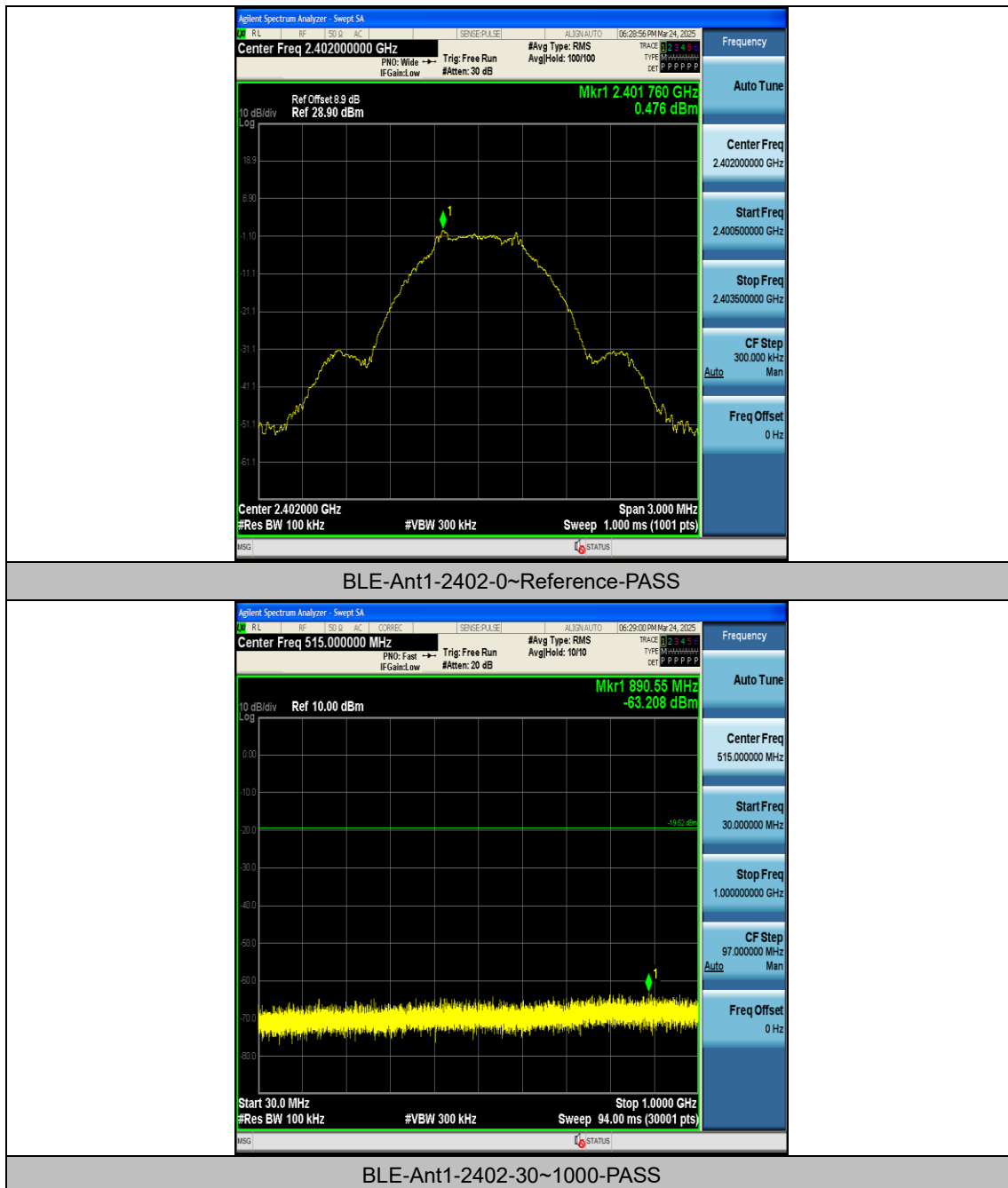


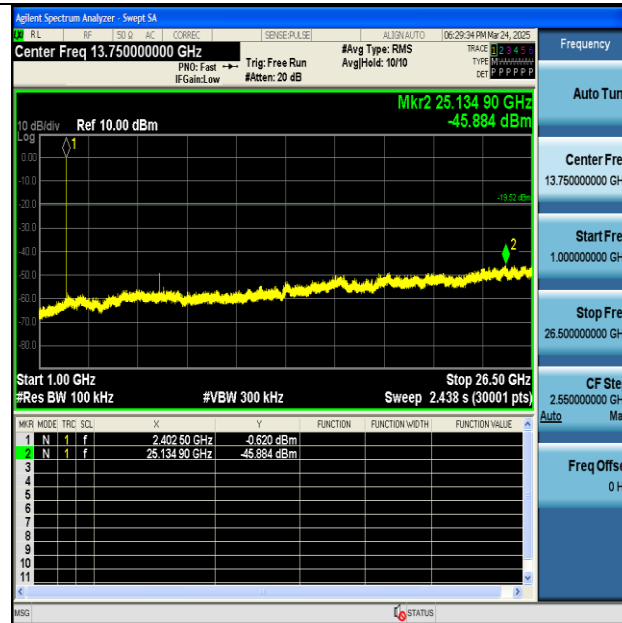
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE	Ant1	2402	0~Reference	0.48	0.48	---	PASS
BLE	Ant1	2402	30~1000	0.48	-63.21	≤-19.52	PASS
BLE	Ant1	2402	1000~26500	0.48	-45.88	≤-19.52	PASS
BLE	Ant1	2440	0~Reference	-0.53	-0.53	---	PASS
BLE	Ant1	2440	30~1000	-0.53	-63.19	≤-20.53	PASS
BLE	Ant1	2440	1000~26500	-0.53	-45.04	≤-20.53	PASS
BLE	Ant1	2480	0~Reference	-1.68	-1.68	---	PASS
BLE	Ant1	2480	30~1000	-1.68	-63.32	≤-21.68	PASS
BLE	Ant1	2480	1000~26500	-1.68	-45.31	≤-21.68	PASS

Test Graphs

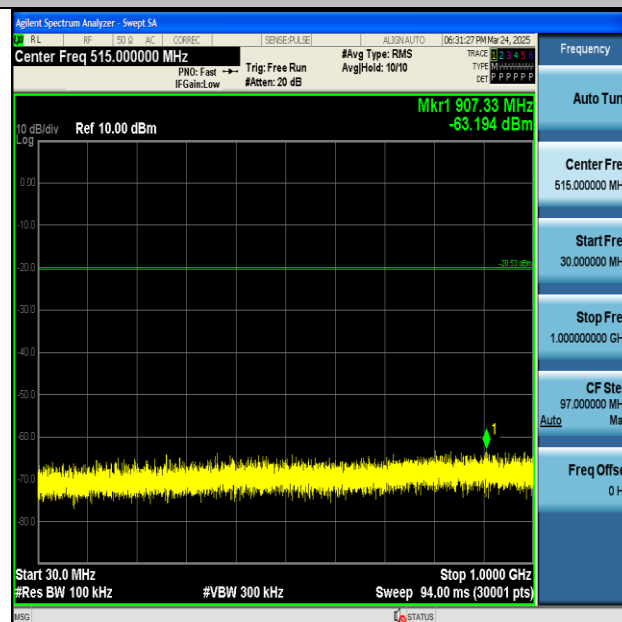




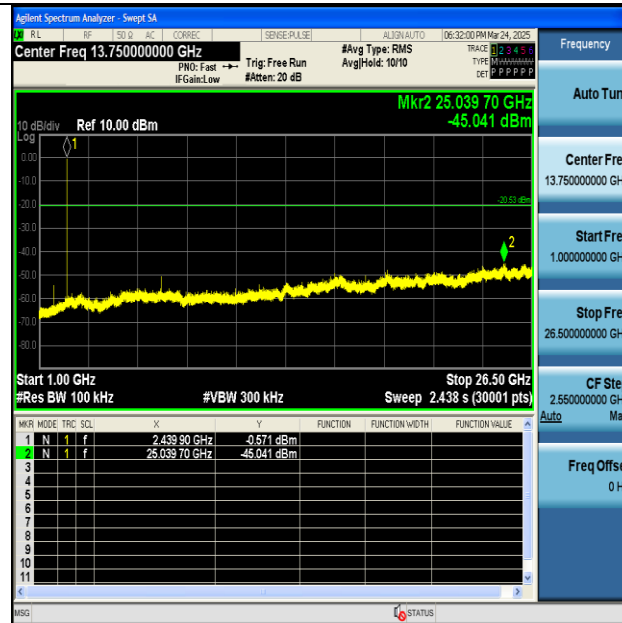
BLE-Ant1-2402-1000~26500-PASS



BLE-Ant1-2440-0~Reference-PASS



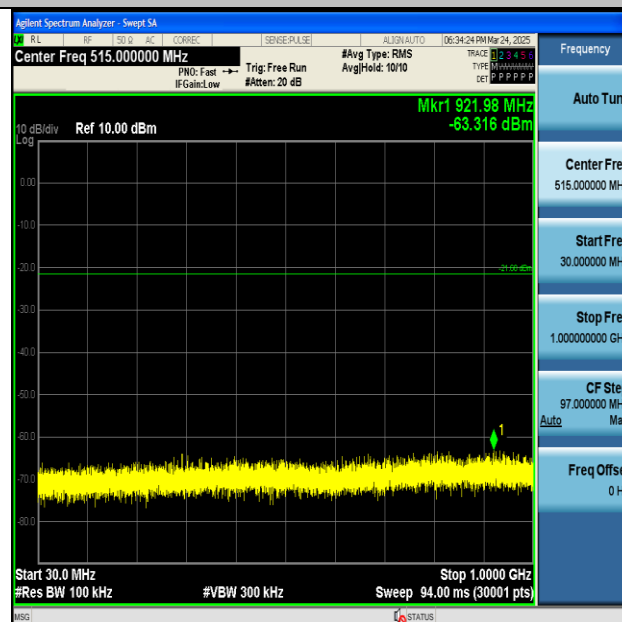
BLE-Ant1-2440-30~1000-PASS



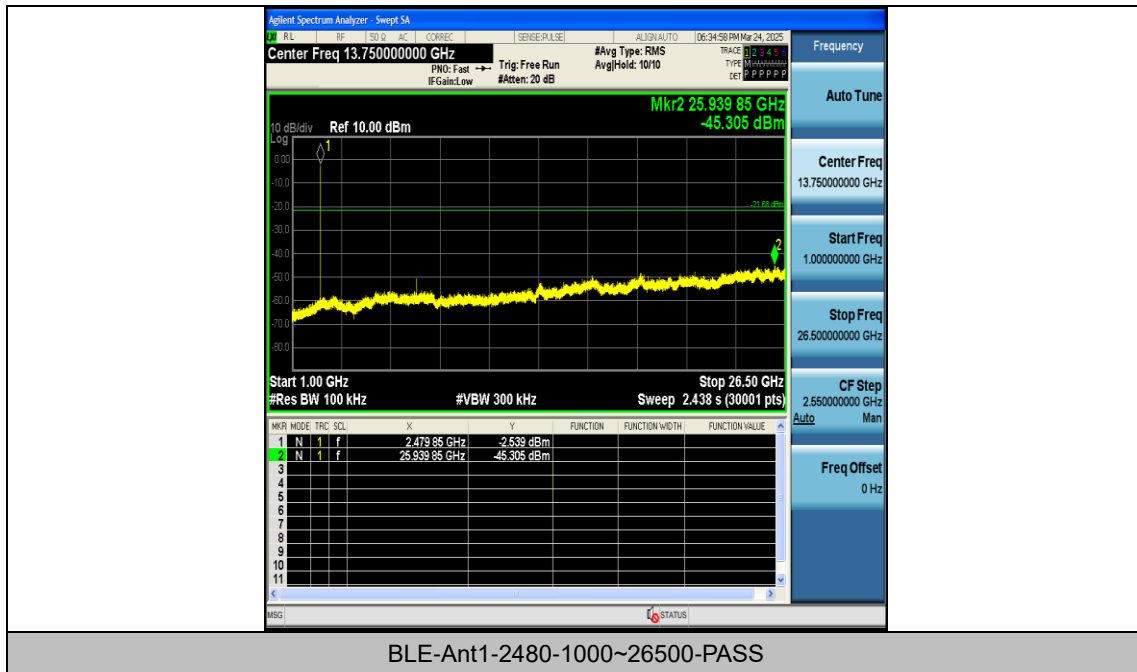
BLE-Ant1-2440-1000~26500-PASS



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

