

Appendix Test Data for BLE (Conducted Measurement)

Product Name: Wireless Mouse

Trade Mark: Keychron

Test Model: BM22

FCC ID: 2BGKB-BM22

Environmental Conditions

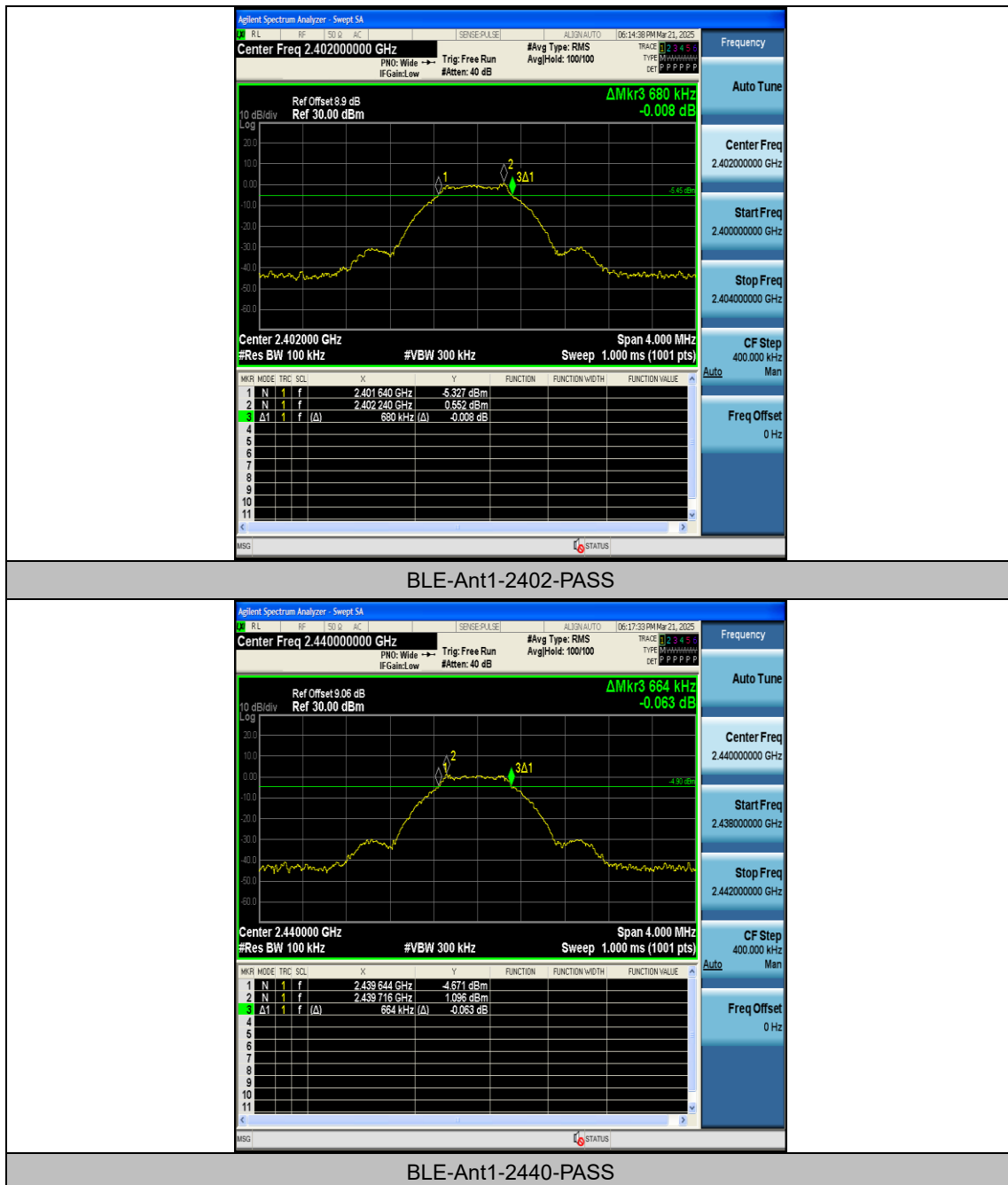
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

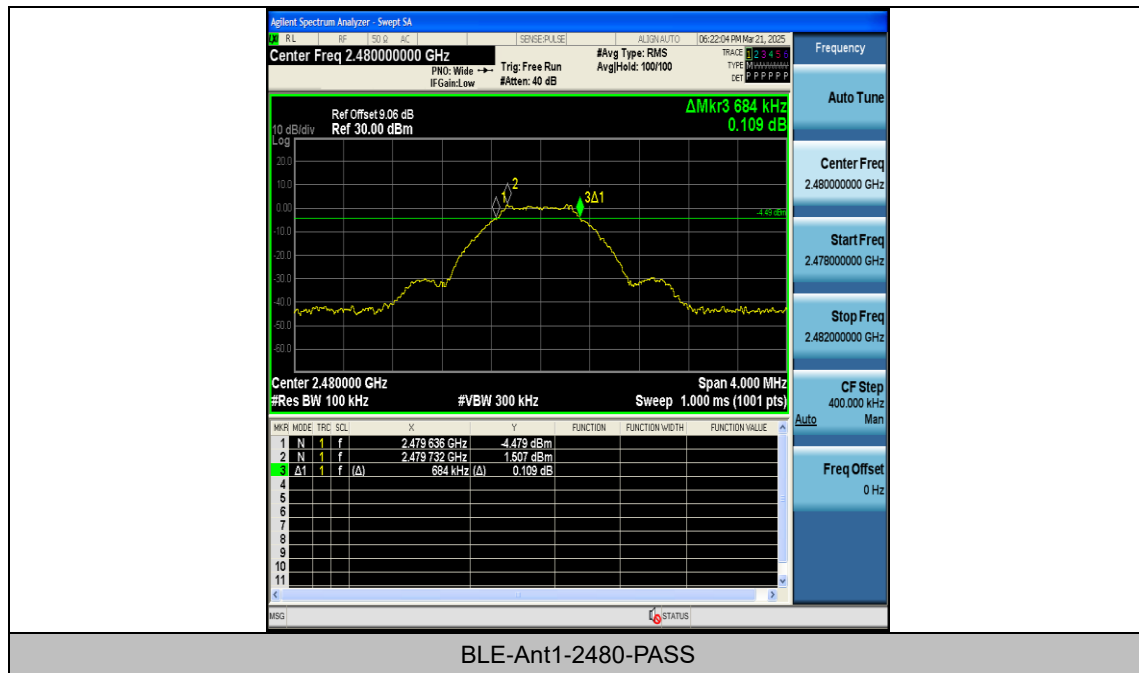
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE	Ant1	2402	0.680	2401.640	2402.320	0.5	PASS
BLE	Ant1	2440	0.664	2439.644	2440.308	0.5	PASS
BLE	Ant1	2480	0.684	2479.636	2480.320	0.5	PASS

Test Graphs



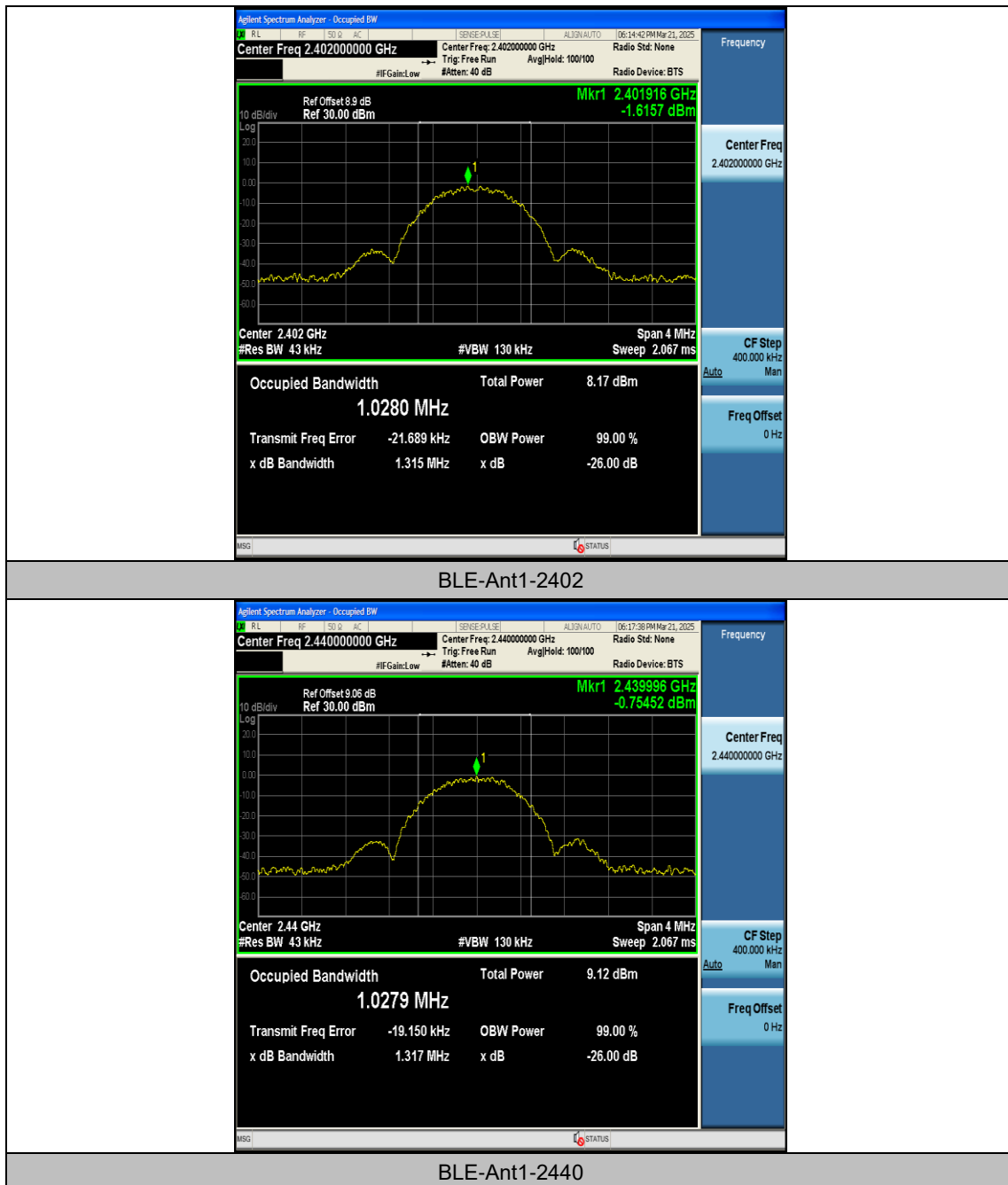


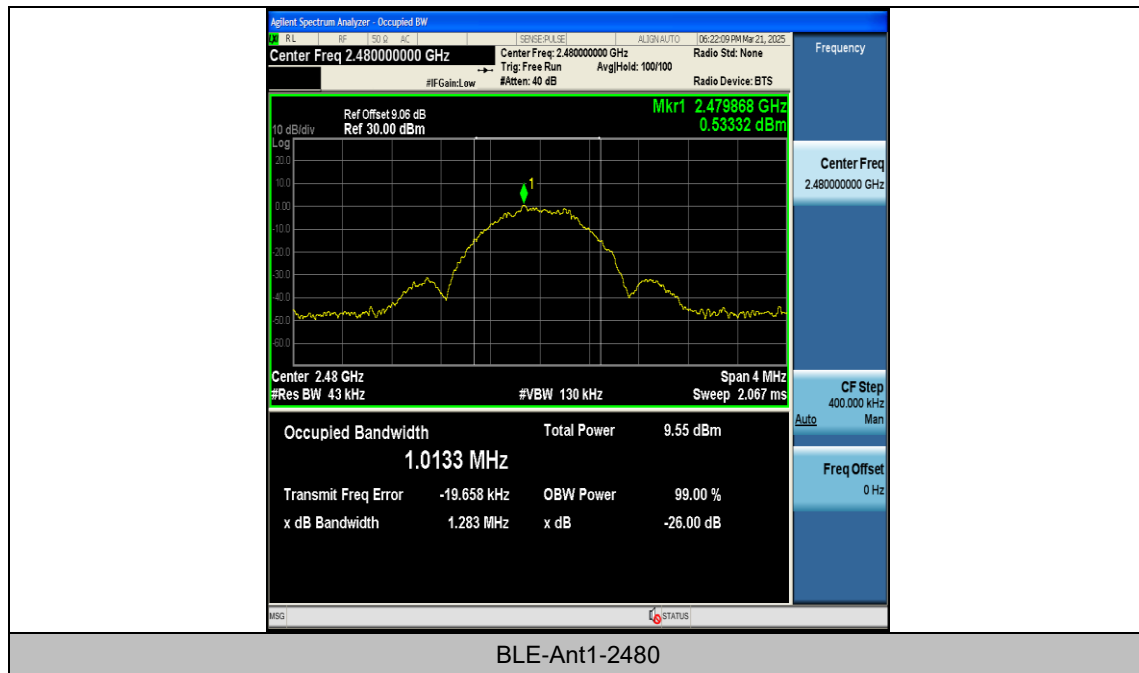
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE	Ant1	2402	1.0280	2401.4643	2402.4923	---	---
BLE	Ant1	2440	1.0279	2439.4669	2440.4948	---	---
BLE	Ant1	2480	1.0133	2479.4737	2480.4870	---	---

Test Graphs



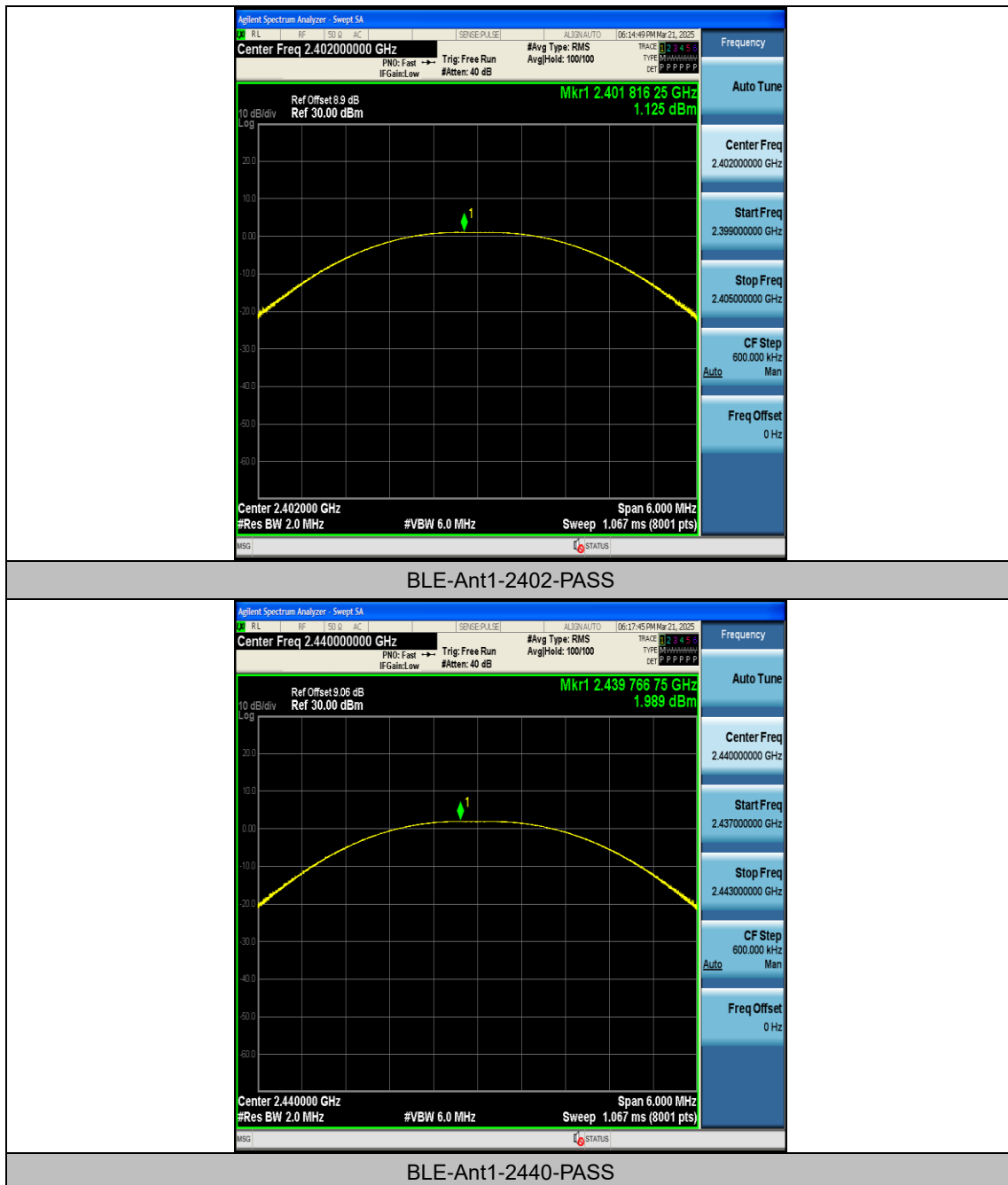


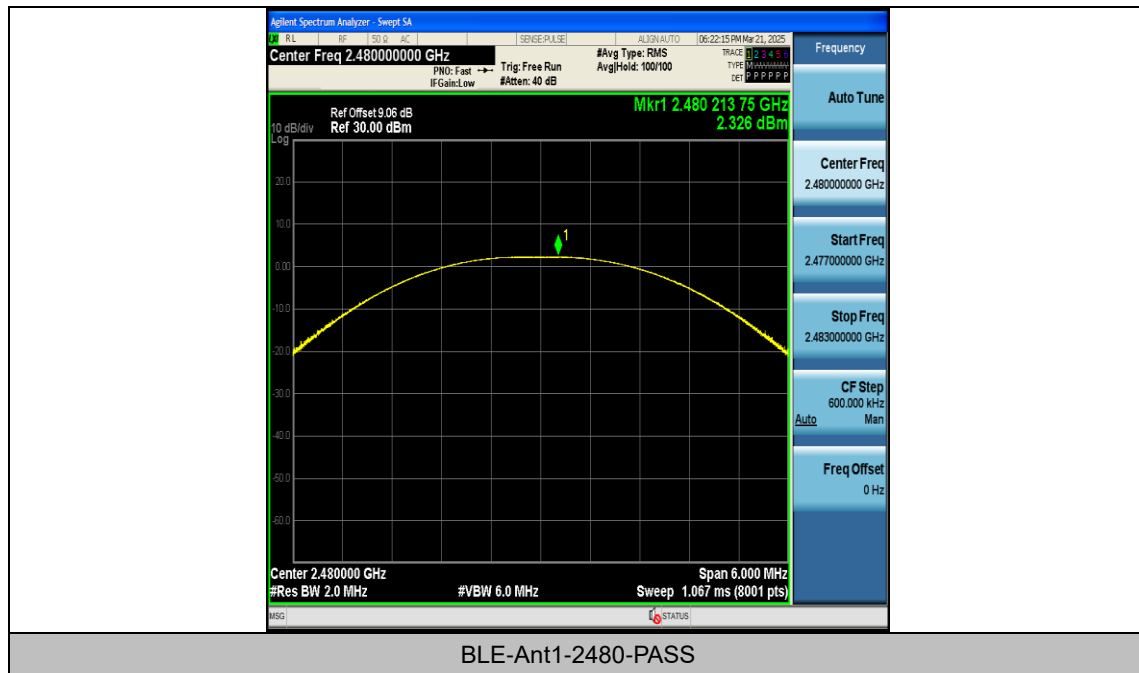
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE	Ant1	2402	1.13	≤30	PASS
BLE	Ant1	2440	1.99	≤30	PASS
BLE	Ant1	2480	2.33	≤30	PASS

Test Graphs Peak



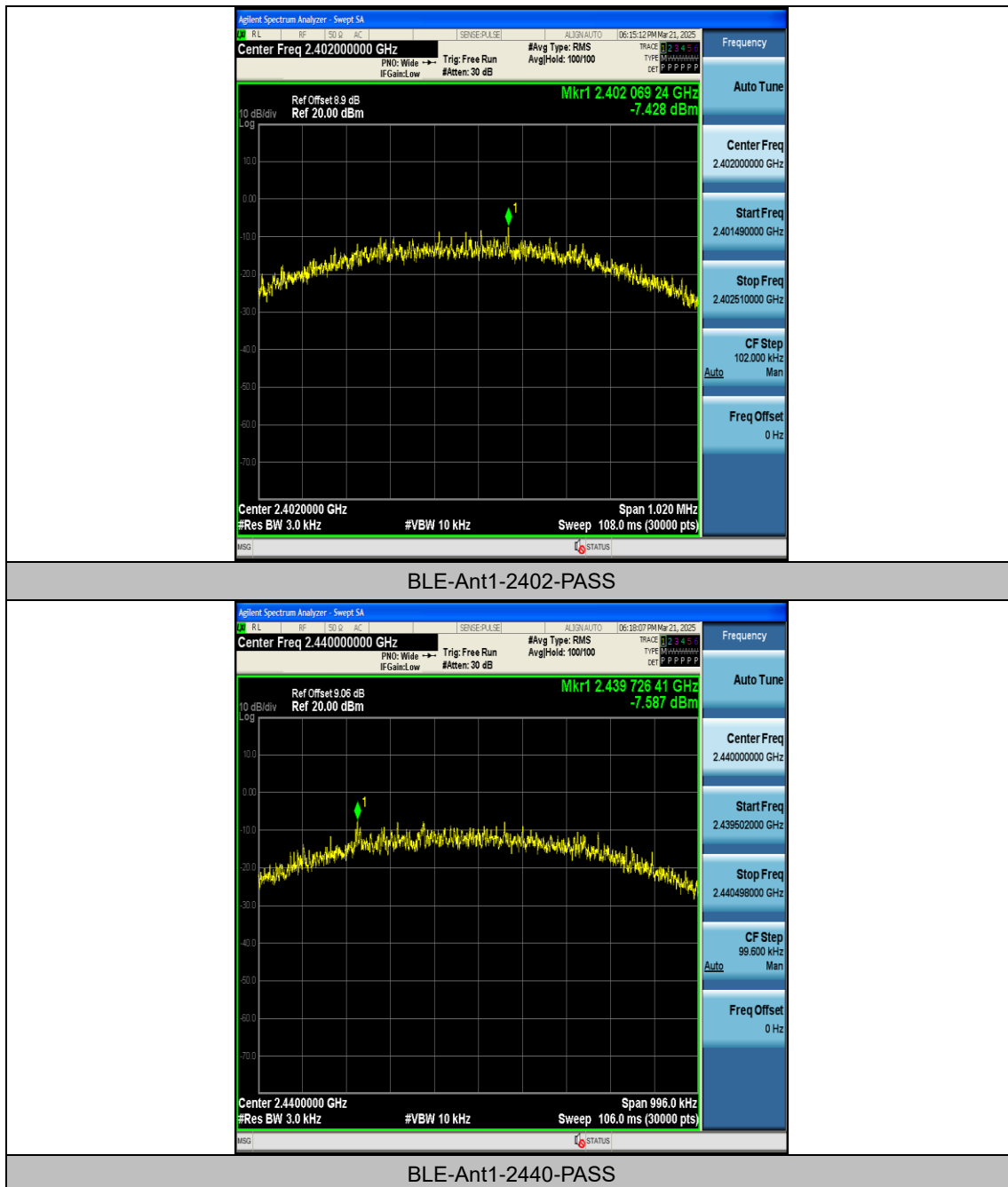


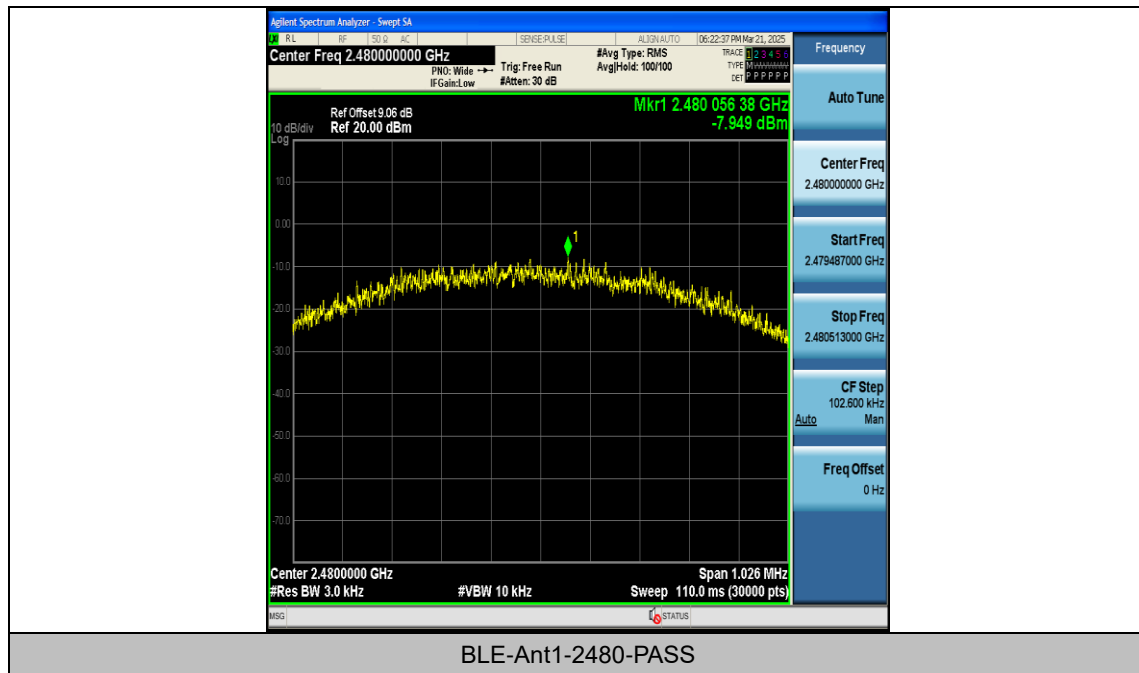
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE	Ant1	2402	-7.43	≤8.00	PASS
BLE	Ant1	2440	-7.59	≤8.00	PASS
BLE	Ant1	2480	-7.95	≤8.00	PASS

Test Graphs



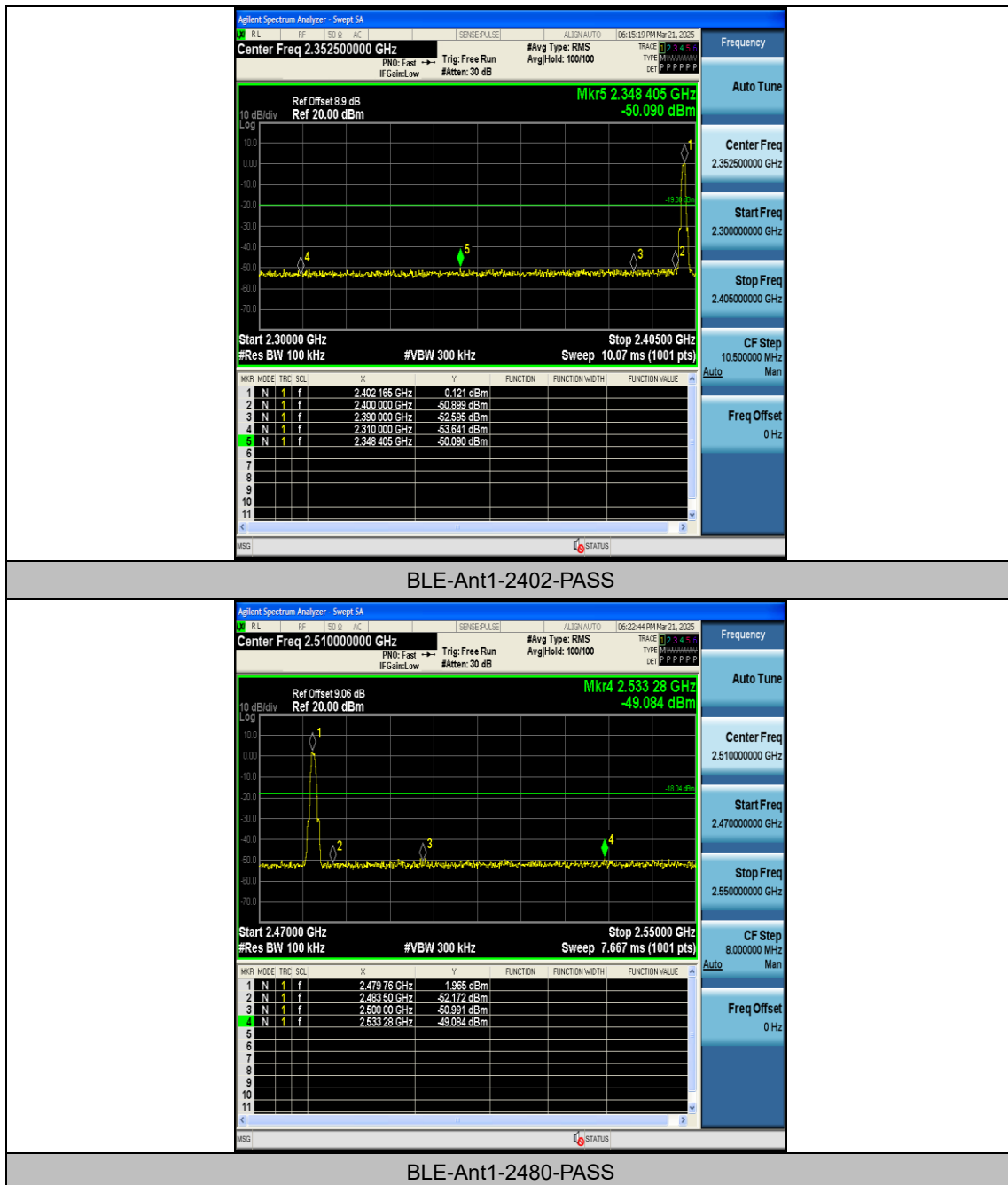


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE	Ant1	Low	2402	0.12	-50.09	≤ -19.88	PASS
BLE	Ant1	High	2480	1.97	-49.08	≤ -18.04	PASS

Test Graphs

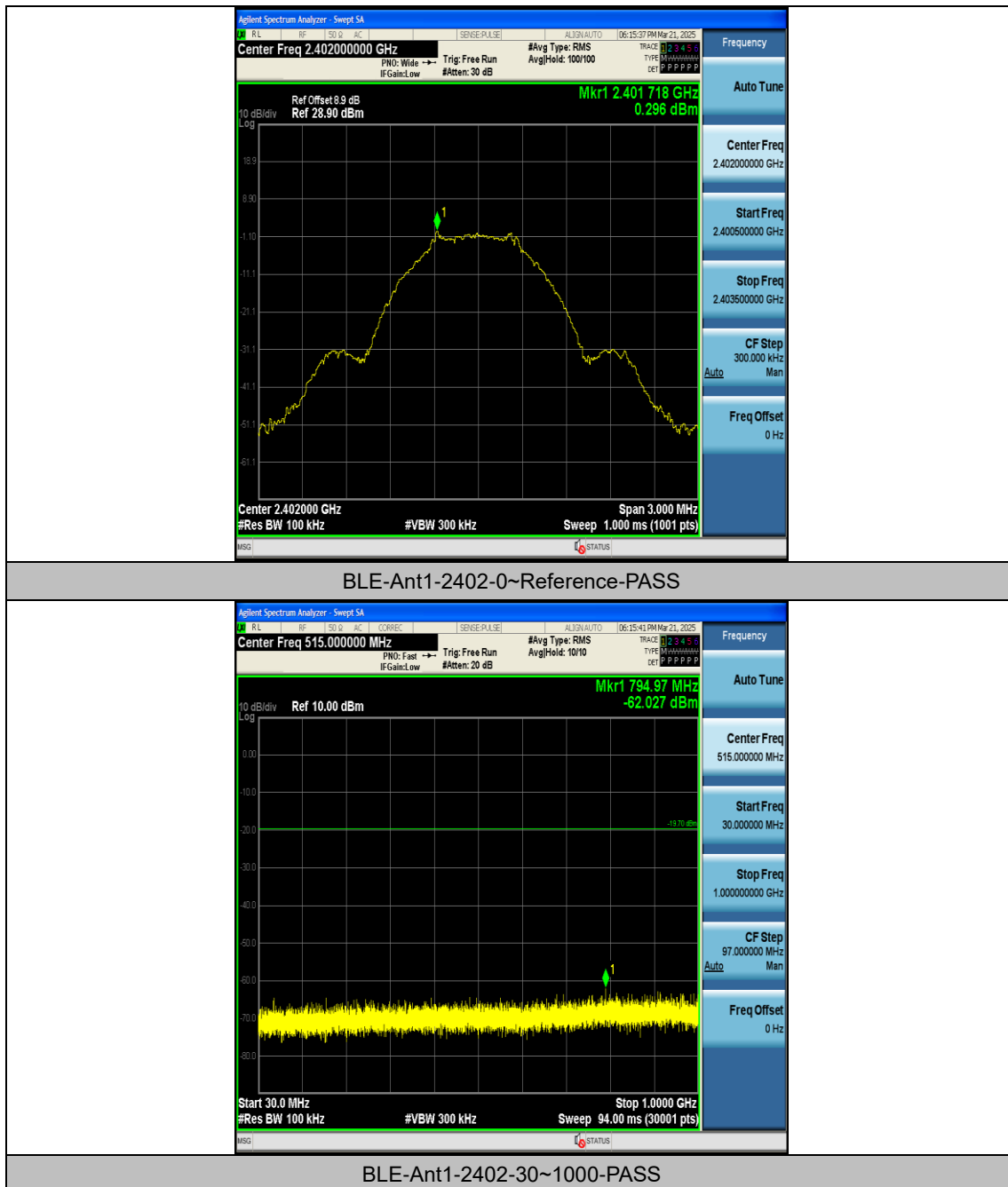


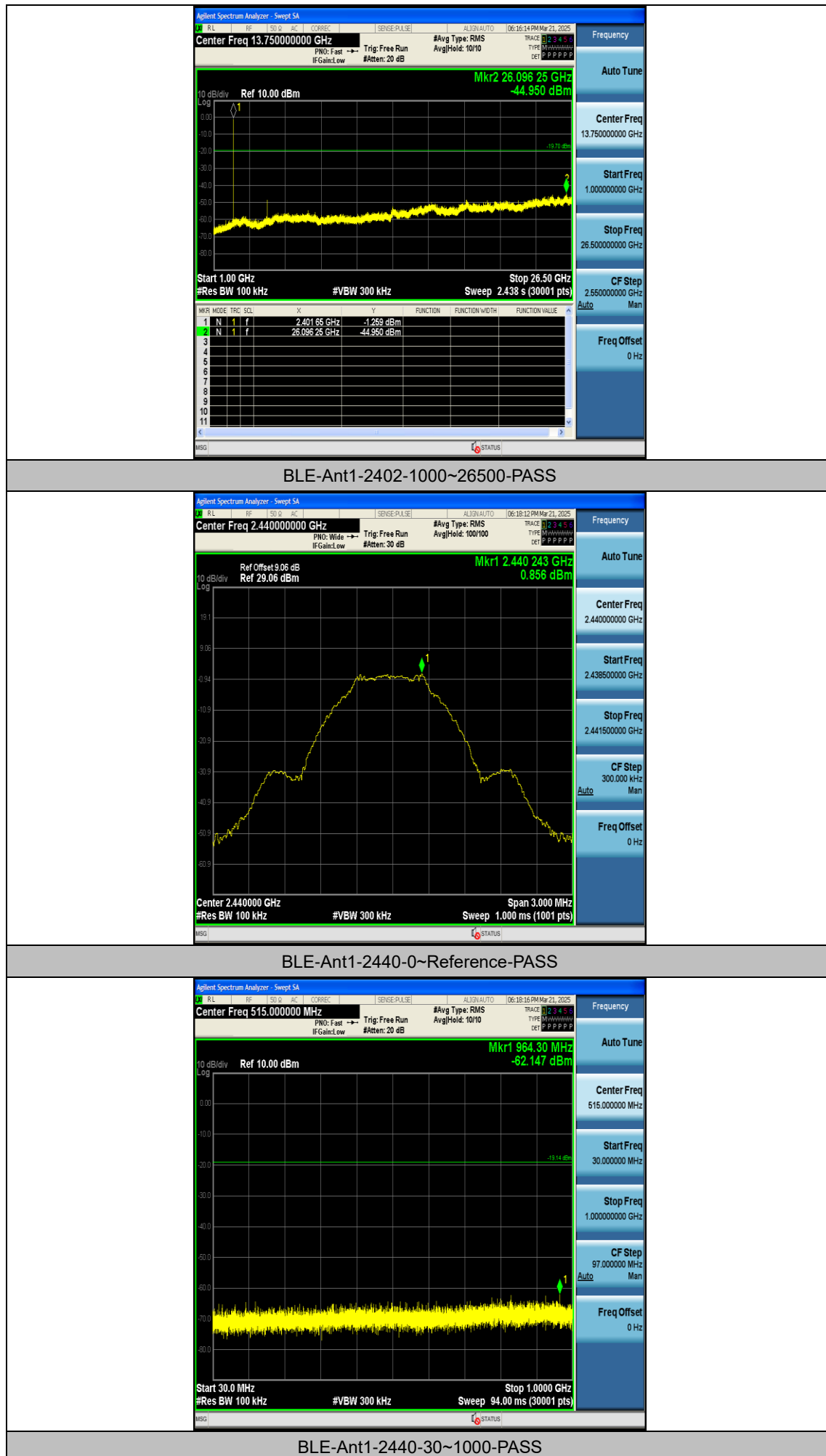
Appendix F: Conducted Spurious Emission

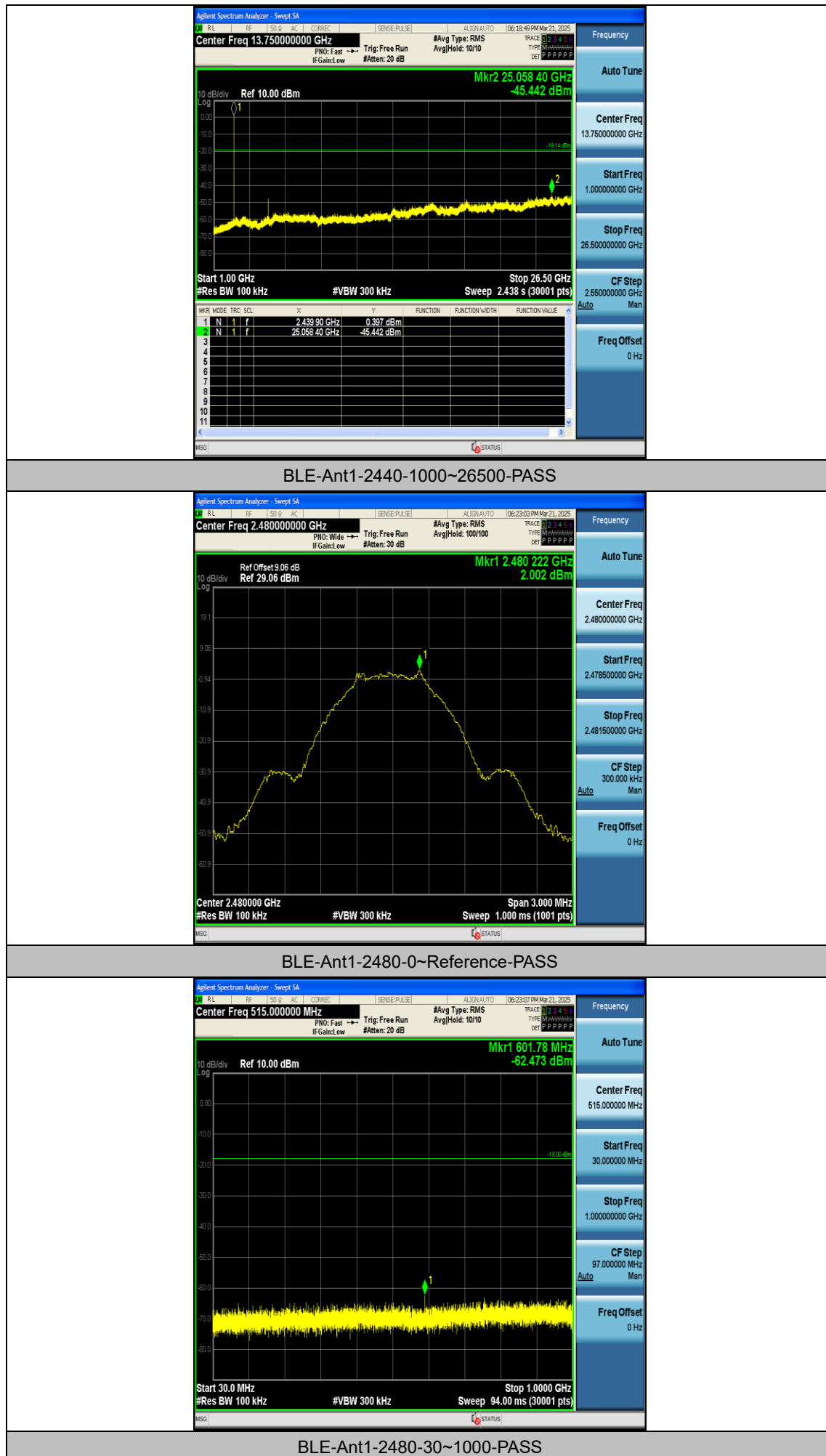
Test Result

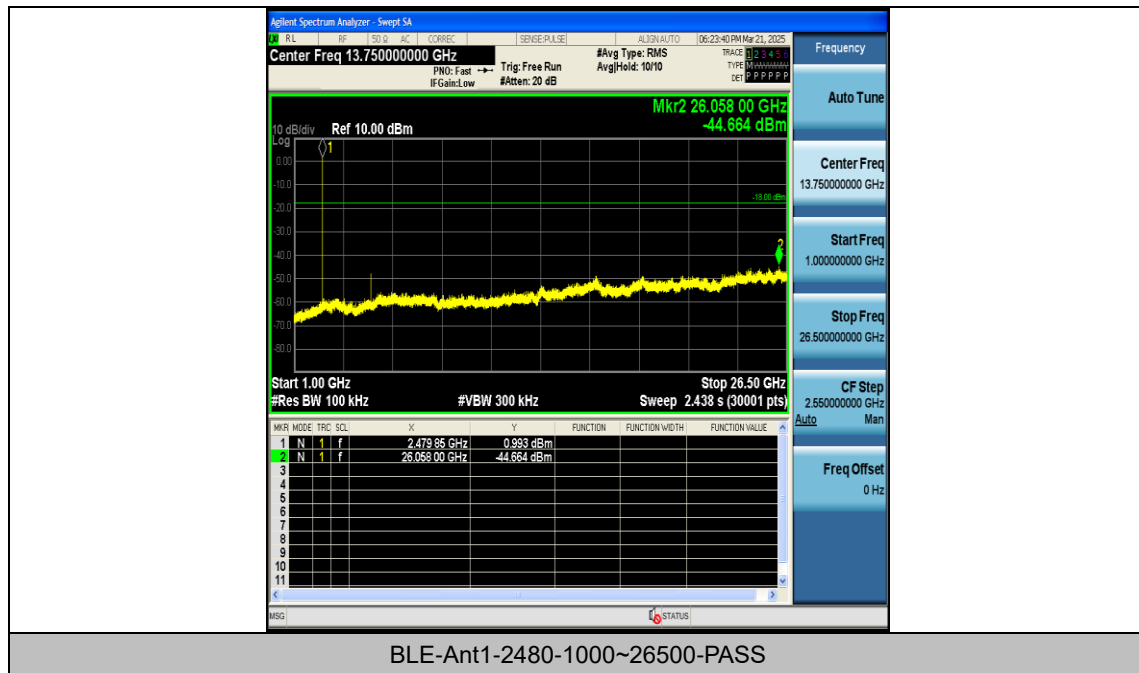
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE	Ant1	2402	0~Reference	0.30	0.30	---	PASS
BLE	Ant1	2402	30~1000	0.30	-62.03	≤-19.7	PASS
BLE	Ant1	2402	1000~26500	0.30	-44.95	≤-19.7	PASS
BLE	Ant1	2440	0~Reference	0.86	0.86	---	PASS
BLE	Ant1	2440	30~1000	0.86	-62.15	≤-19.14	PASS
BLE	Ant1	2440	1000~26500	0.86	-45.44	≤-19.14	PASS
BLE	Ant1	2480	0~Reference	2.00	2.00	---	PASS
BLE	Ant1	2480	30~1000	2.00	-62.47	≤-18	PASS
BLE	Ant1	2480	1000~26500	2.00	-44.66	≤-18	PASS

Test Graphs









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

