

Appendix for Bluetooth BLE mode

Product Name: Lockly Secure Pro Latch Edition

Model No: PGD628W

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.664	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.648	2439.680	2440.328	0.5	PASS
BLE_1M	Ant1	2480	0.656	2479.676	2480.332	0.5	PASS

Test Graphs

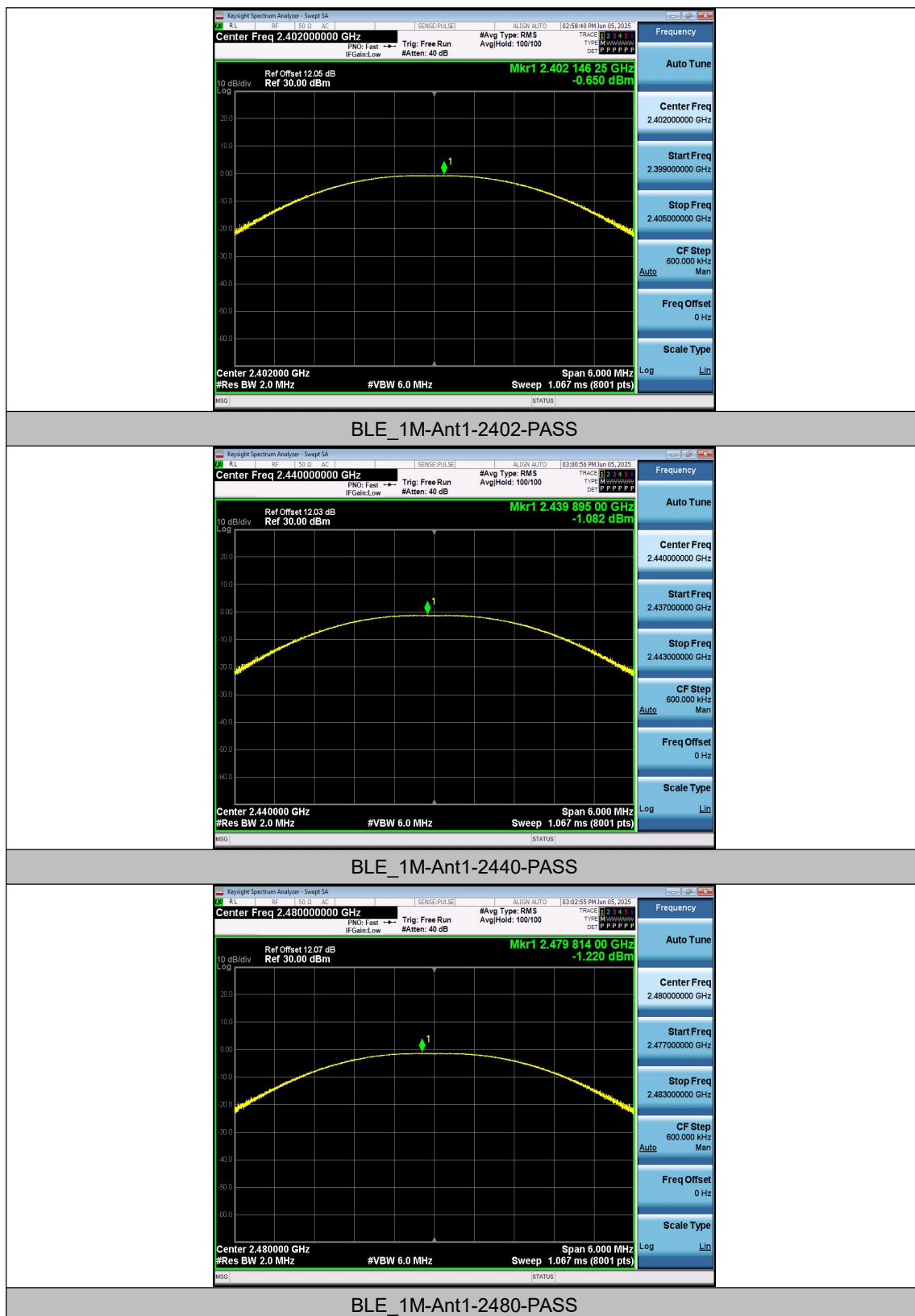


Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.65	≤30	PASS
BLE_1M	Ant1	2440	-1.08	≤30	PASS
BLE_1M	Ant1	2480	-1.22	≤30	PASS

Test Graphs Peak

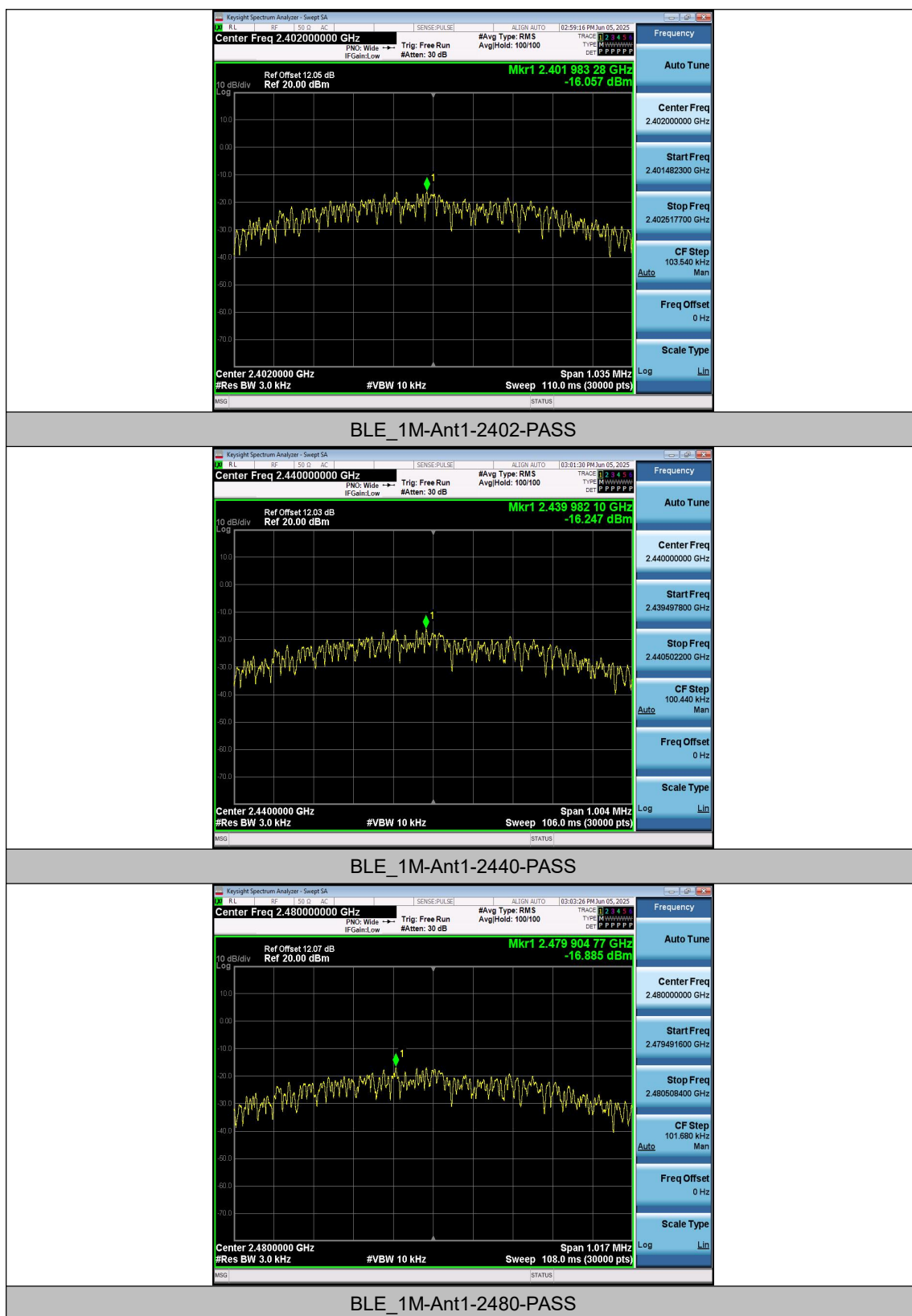


Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.06	≤8.00	PASS
BLE_1M	Ant1	2440	-16.25	≤8.00	PASS
BLE_1M	Ant1	2480	-16.89	≤8.00	PASS

Test Graphs

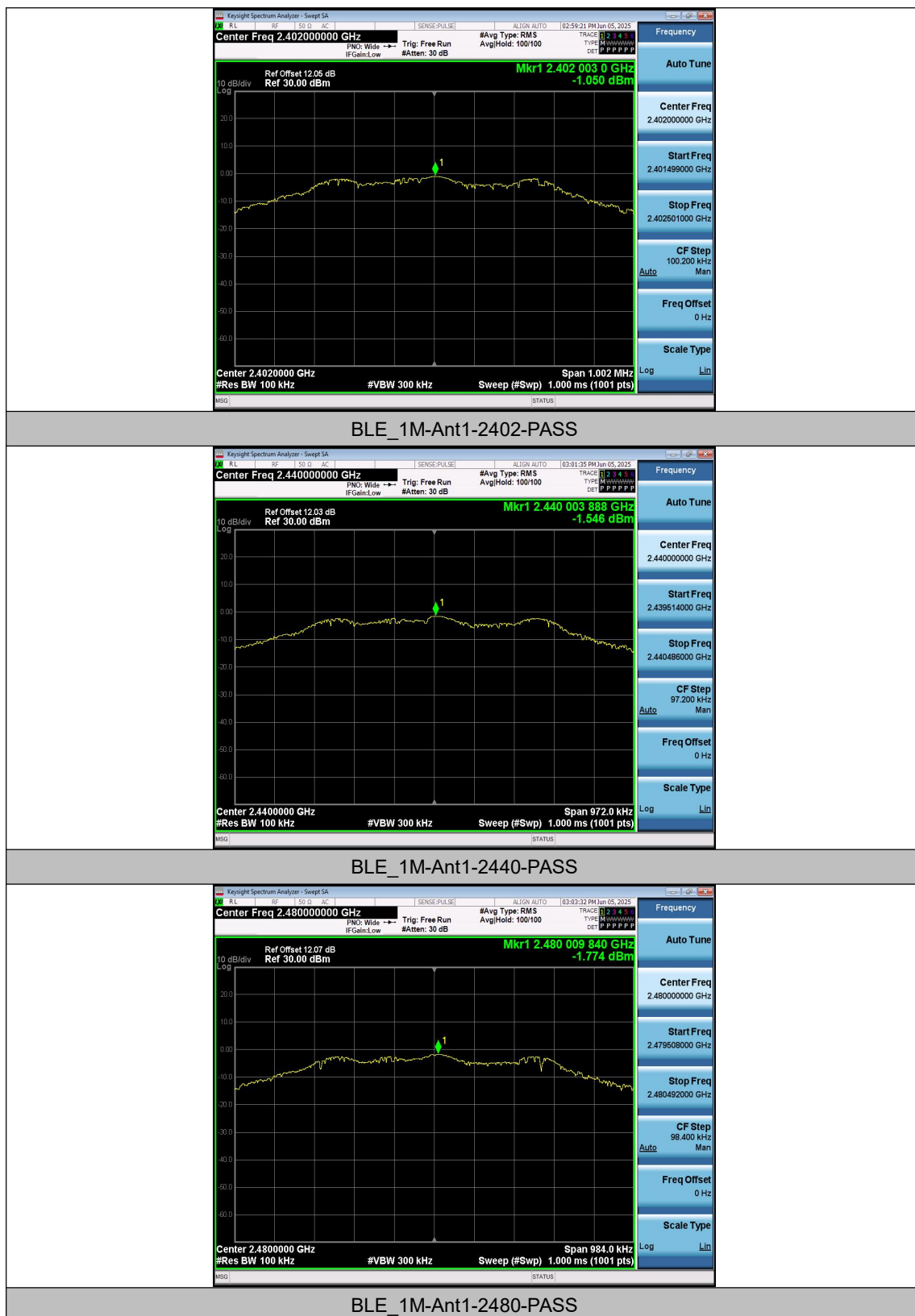


Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2402.00	-1.05
BLE_1M	Ant1	2440	2440.00	-1.55
BLE_1M	Ant1	2480	2480.01	-1.77

Test Graphs

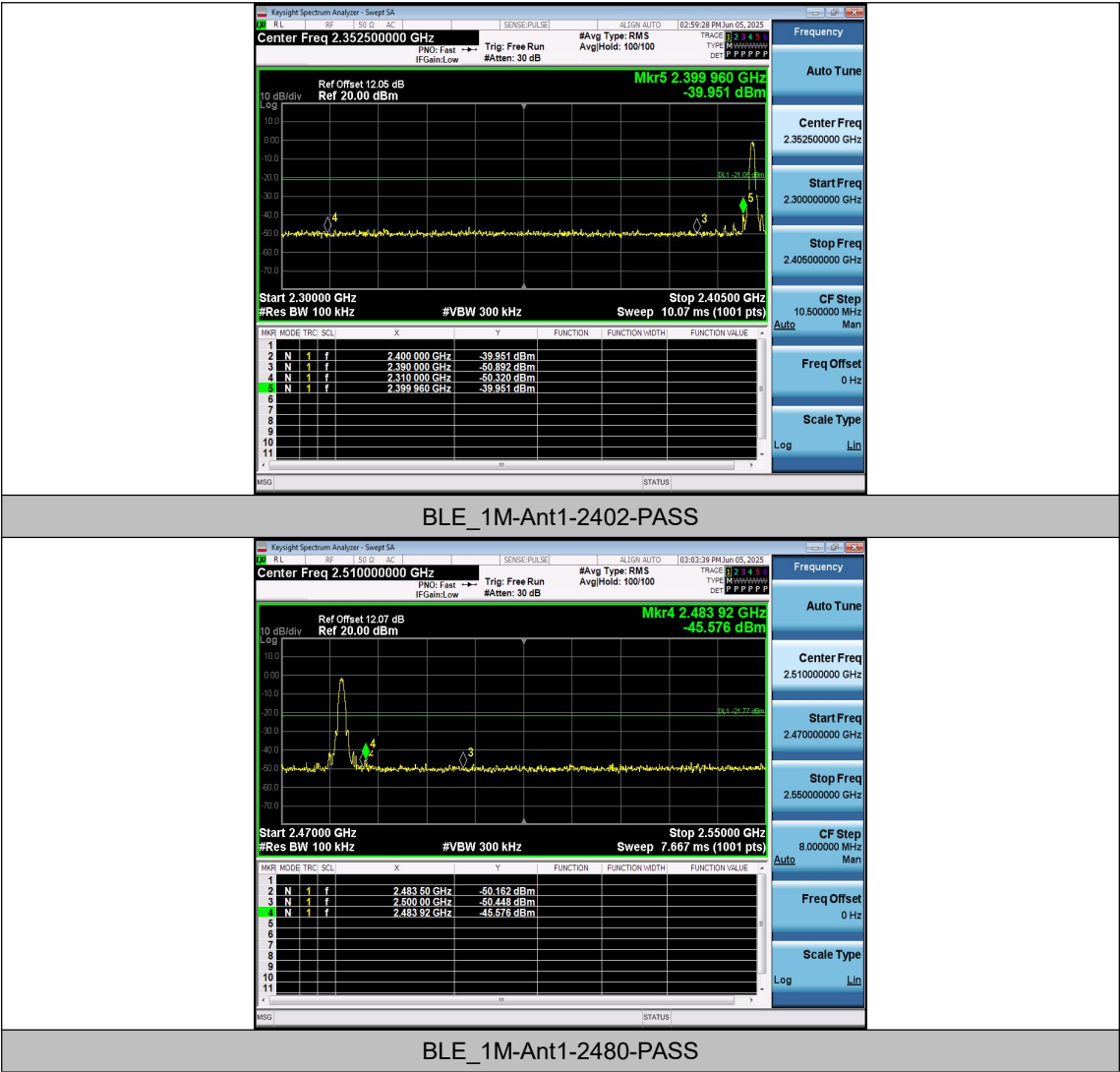


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.05	-39.95	≤-21.05	PASS
BLE_1M	Ant1	High	2480	-1.77	-45.58	≤-21.77	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	-1.05	-44.15	≤-21.05	PASS
BLE_1M	Ant1	2402	1000~26500	-1.05	-44.18	≤-21.05	PASS
BLE_1M	Ant1	2440	30~1000	-1.55	-58.94	≤-21.55	PASS
BLE_1M	Ant1	2440	1000~26500	-1.55	-44.22	≤-21.55	PASS
BLE_1M	Ant1	2480	30~1000	-1.77	-58.85	≤-21.77	PASS
BLE_1M	Ant1	2480	1000~26500	-1.77	-43.43	≤-21.77	PASS

Test Graphs

