

Appendix for Bluetooth LE mode

Product Name: Prevent Impact Monitor Mouthguard v2.3
Model No: 0023-HBPXFERG

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
LE_1M	Ant1	2402	0.712	2401.640	2402.352	0.5	PASS
LE_1M	Ant1	2440	0.692	2439.632	2440.324	0.5	PASS
LE_1M	Ant1	2480	0.700	2479.644	2480.344	0.5	PASS

Test Graphs

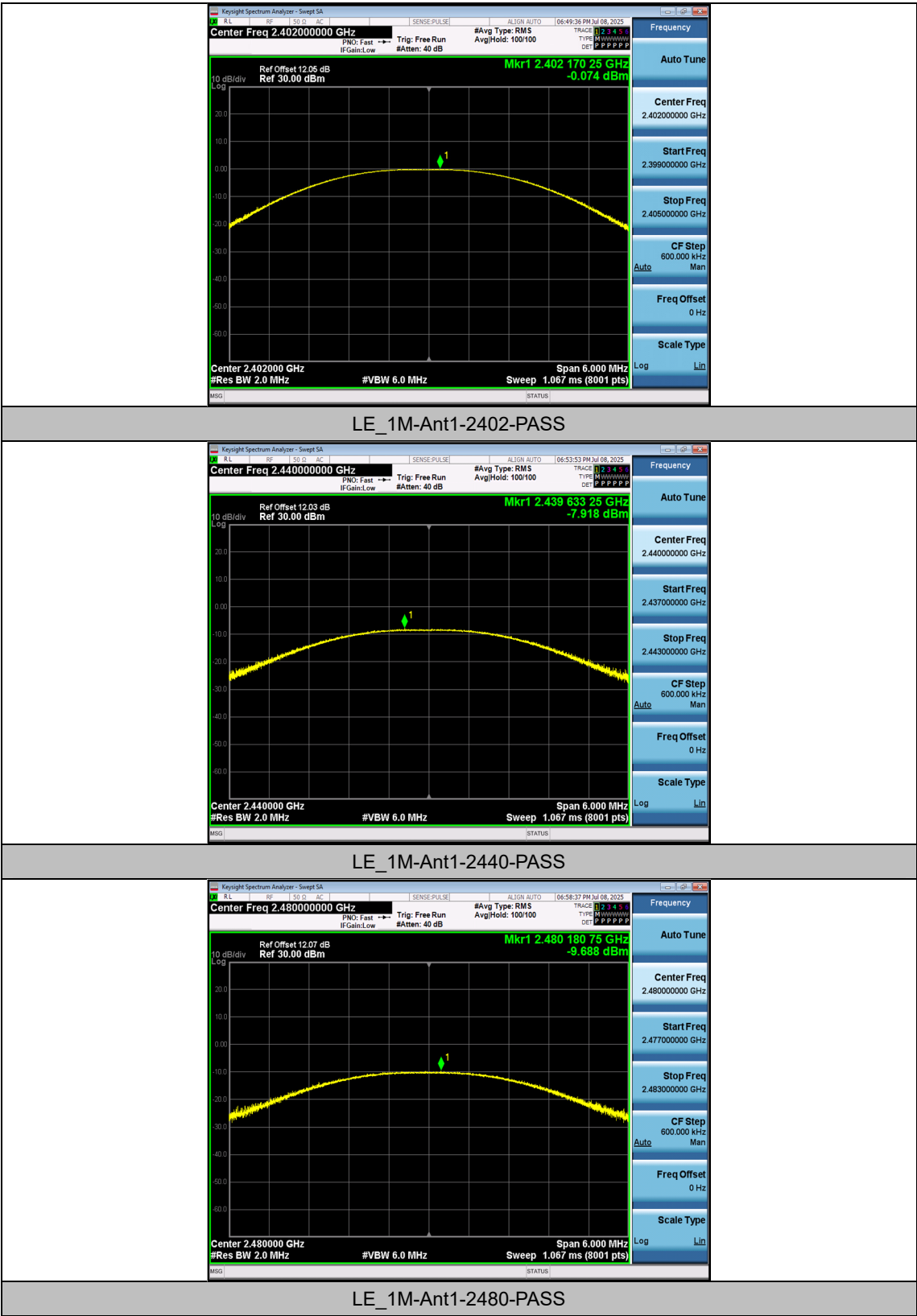


Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
LE_1M	Ant1	2402	-0.07	≤30	PASS
LE_1M	Ant1	2440	-7.92	≤30	PASS
LE_1M	Ant1	2480	-9.69	≤30	PASS

Test Graphs Peak

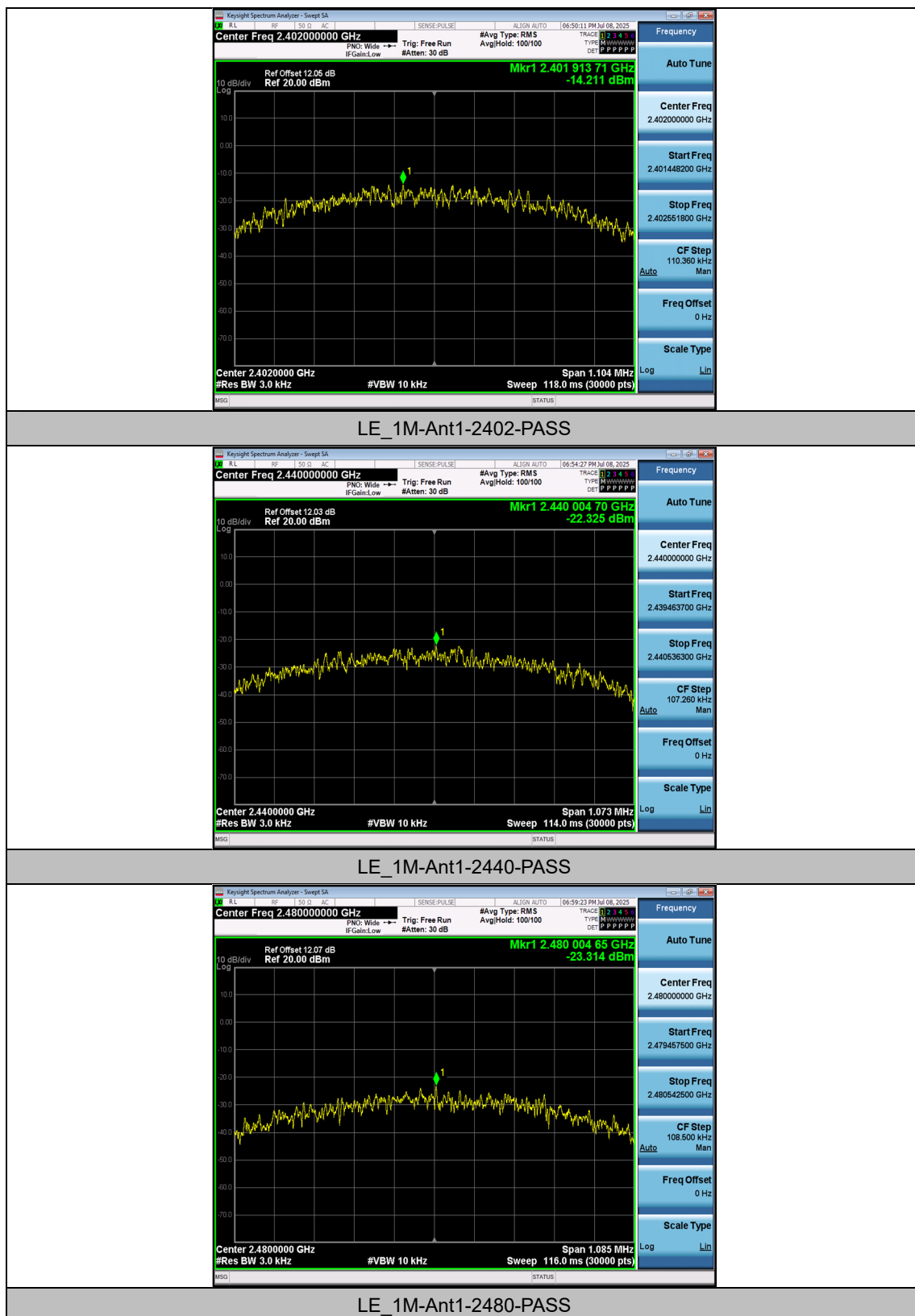


Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
LE_1M	Ant1	2402	-14.21	≤8.00	PASS
LE_1M	Ant1	2440	-22.33	≤8.00	PASS
LE_1M	Ant1	2480	-23.31	≤8.00	PASS

Test Graphs

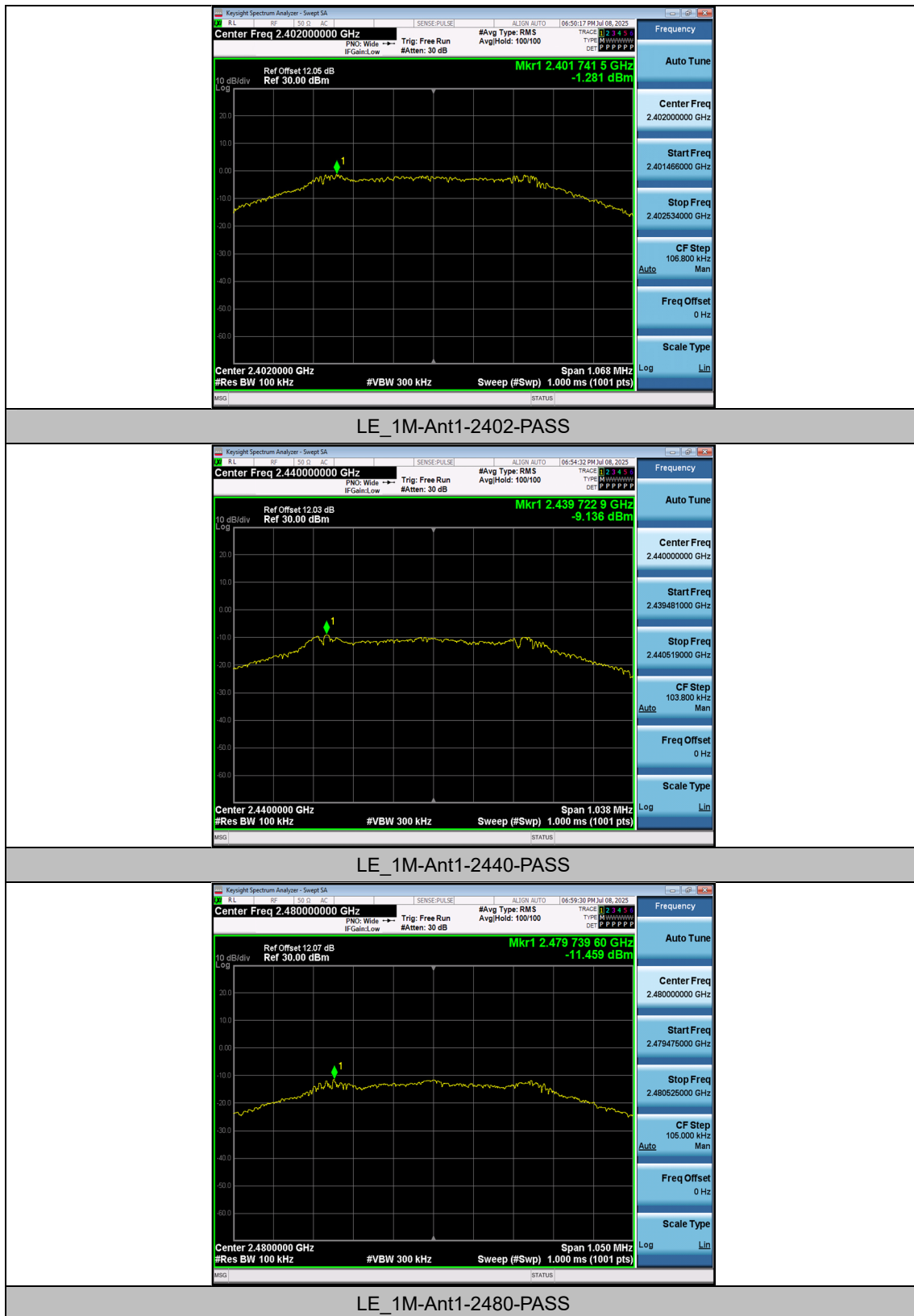


Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
LE_1M	Ant1	2402	2401.74	-1.28
LE_1M	Ant1	2440	2439.72	-9.14
LE_1M	Ant1	2480	2479.74	-11.46

Test Graphs

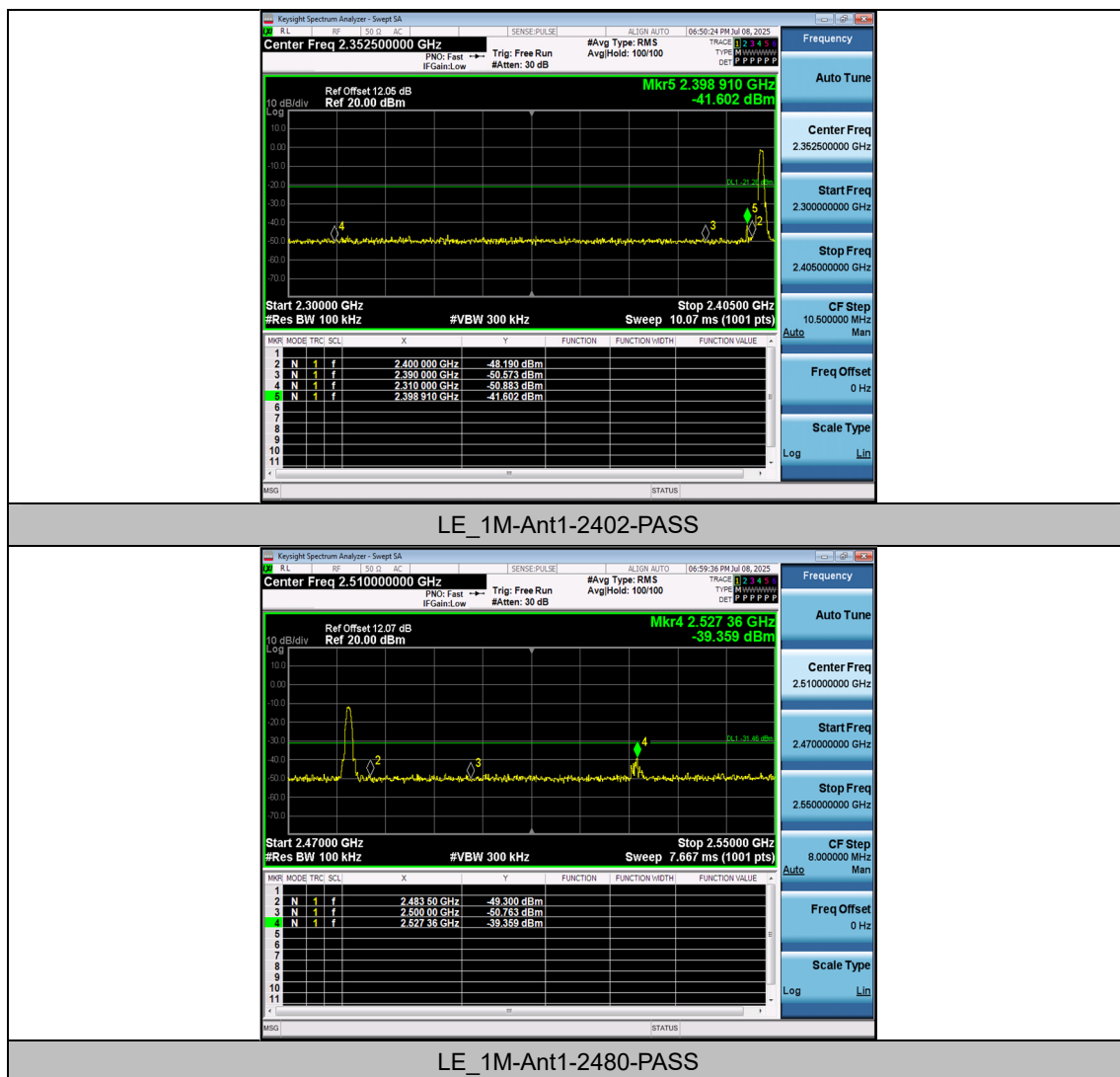


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
LE_1M	Ant1	Low	2402	-1.28	-41.6	≤-21.28	PASS
LE_1M	Ant1	High	2480	-11.46	-39.36	≤-31.46	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
LE_1M	Ant1	2402	30~1000	-1.28	-59.05	≤-21.28	PASS
LE_1M	Ant1	2402	1000~26500	-1.28	-44.37	≤-21.28	PASS
LE_1M	Ant1	2440	30~1000	-9.14	-58.51	≤-29.14	PASS
LE_1M	Ant1	2440	1000~26500	-9.14	-43.26	≤-29.14	PASS
LE_1M	Ant1	2480	30~1000	-11.46	-59.41	≤-31.46	PASS
LE_1M	Ant1	2480	1000~26500	-11.46	-44.46	≤-31.46	PASS

Test Graphs

