

Appendix for Bluetooth

Product Name: Meshify Defender Slim

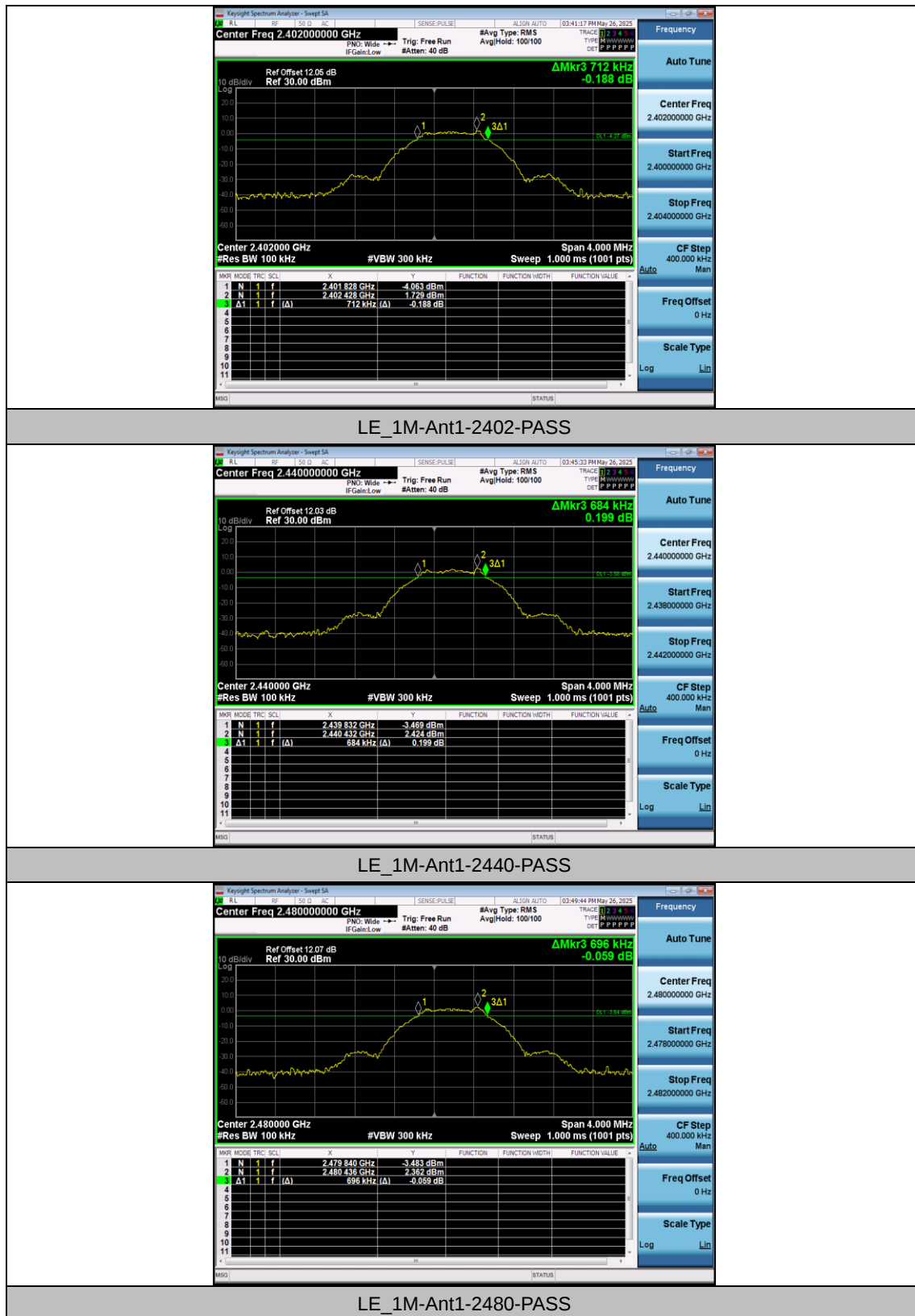
Model No: LDMX001

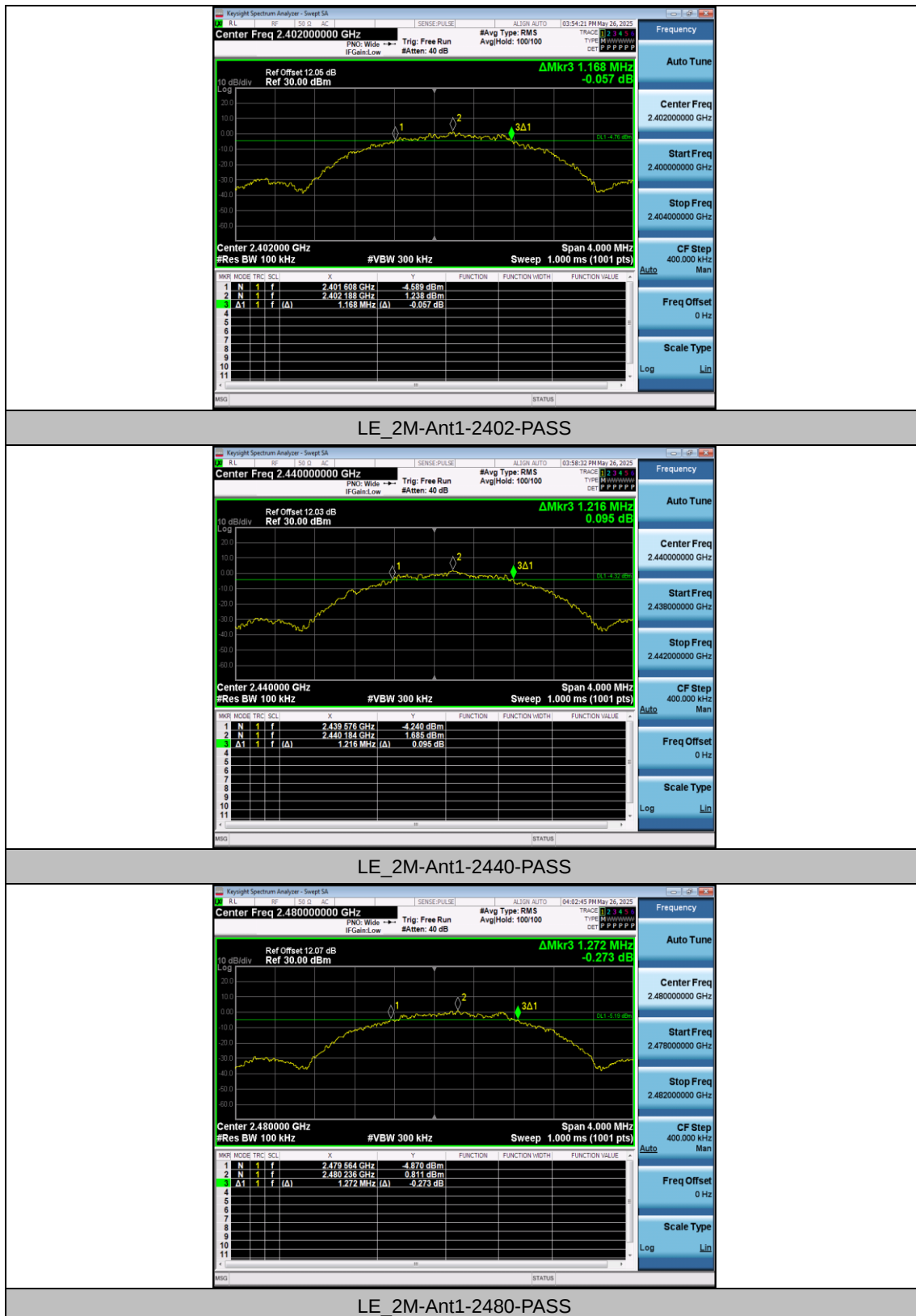
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
LE_1M	Ant1	2402	0.712	2401.828	2402.540	0.5	PASS
LE_1M	Ant1	2440	0.684	2439.832	2440.516	0.5	PASS
LE_1M	Ant1	2480	0.696	2479.840	2480.536	0.5	PASS
LE_2M	Ant1	2402	1.168	2401.608	2402.776	0.5	PASS
LE_2M	Ant1	2440	1.216	2439.576	2440.792	0.5	PASS
LE_2M	Ant1	2480	1.272	2479.564	2480.836	0.5	PASS

Test Graphs



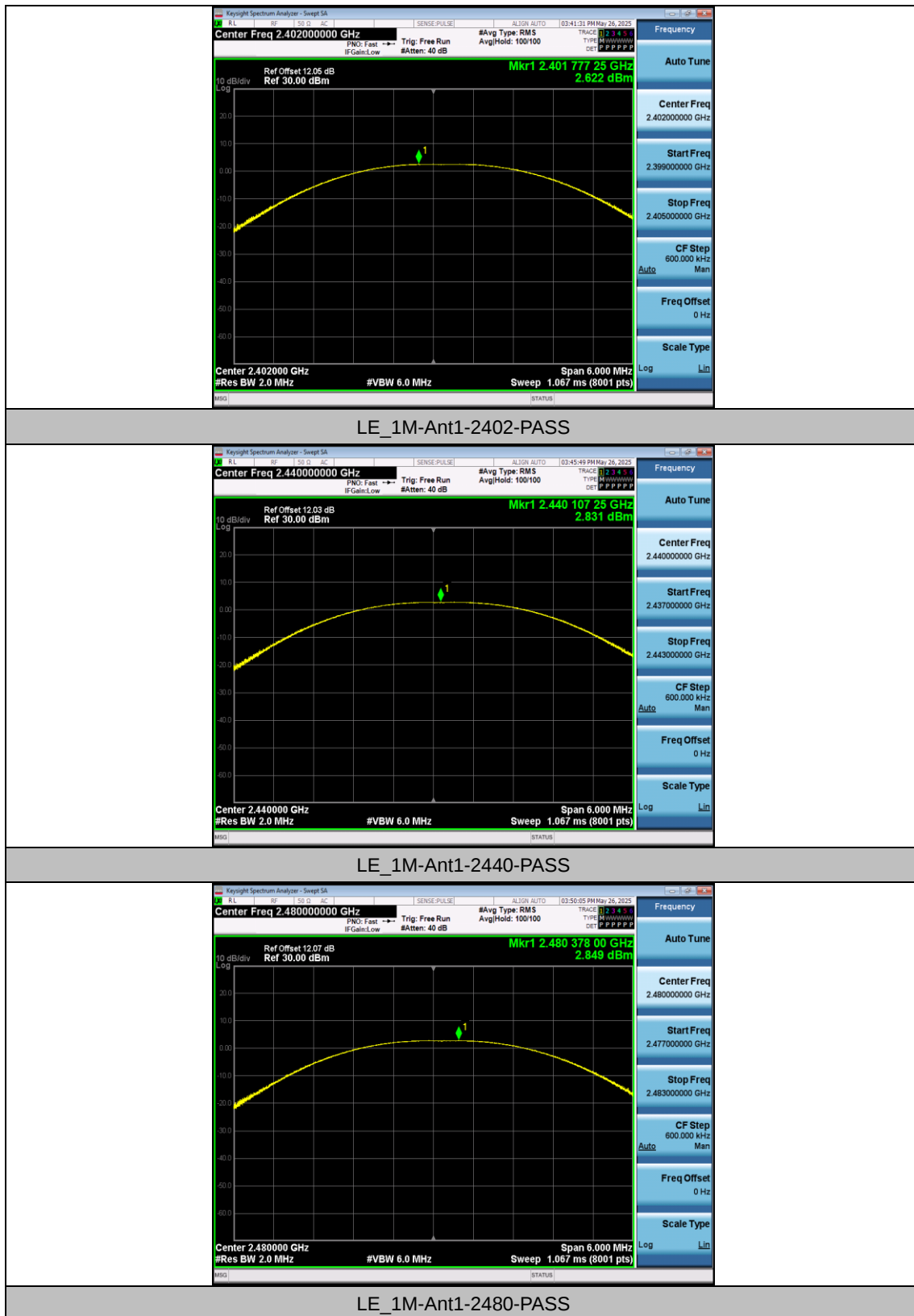


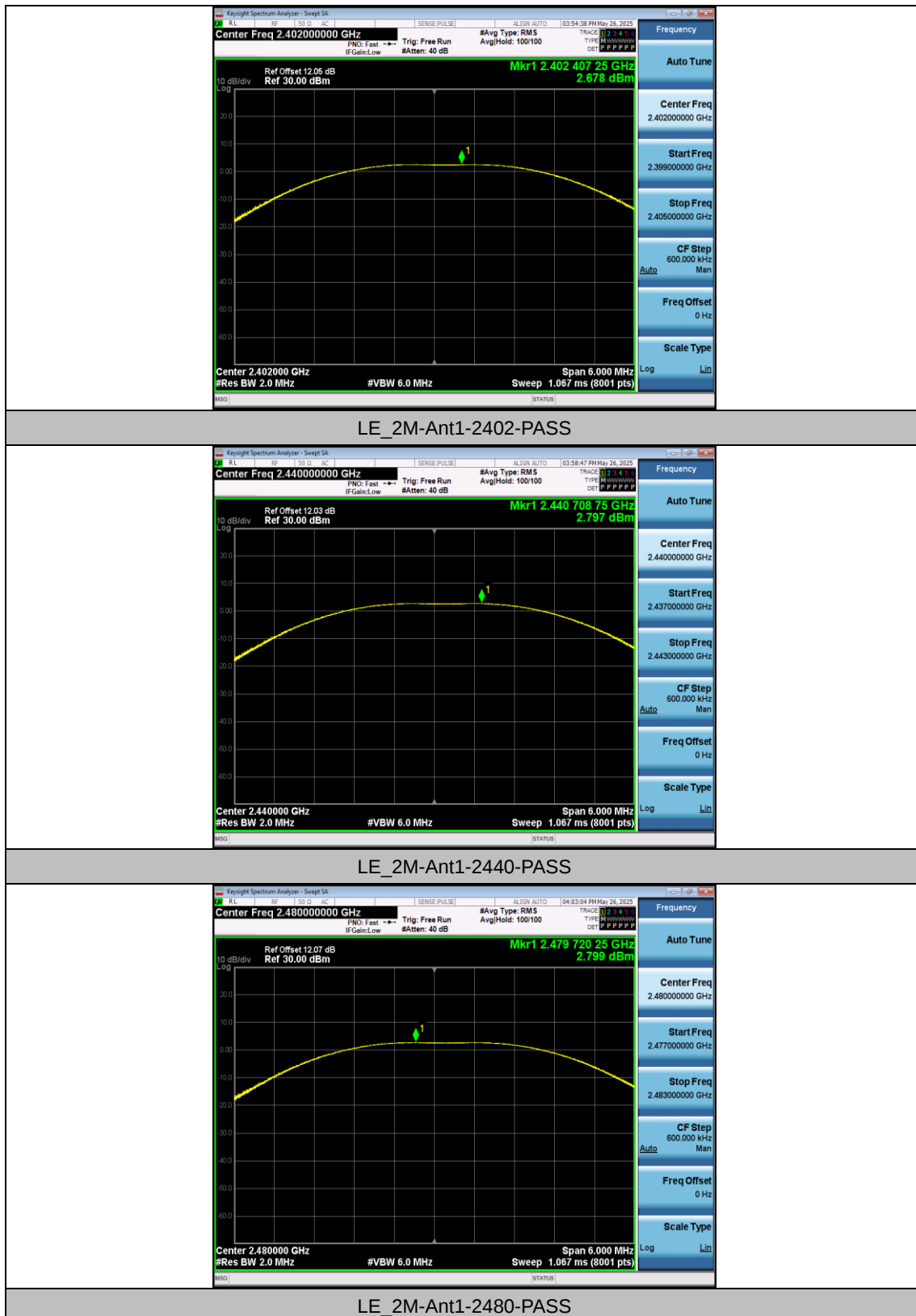
Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
LE_1M	Ant1	2402	2.62	≤30	PASS
LE_1M	Ant1	2440	2.83	≤30	PASS
LE_1M	Ant1	2480	2.85	≤30	PASS
LE_2M	Ant1	2402	2.68	≤30	PASS
LE_2M	Ant1	2440	2.80	≤30	PASS
LE_2M	Ant1	2480	2.80	≤30	PASS

Test Graphs Peak



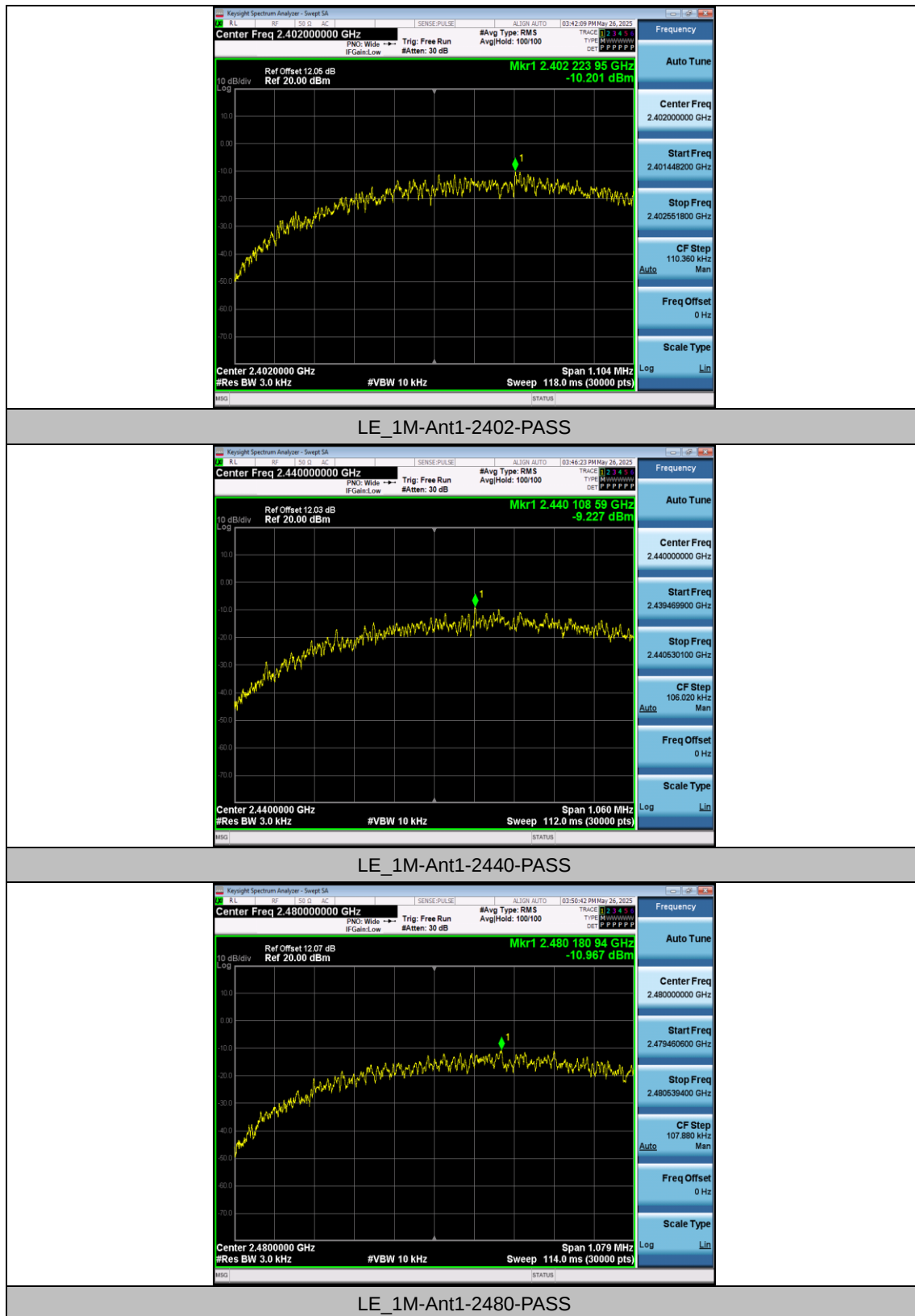


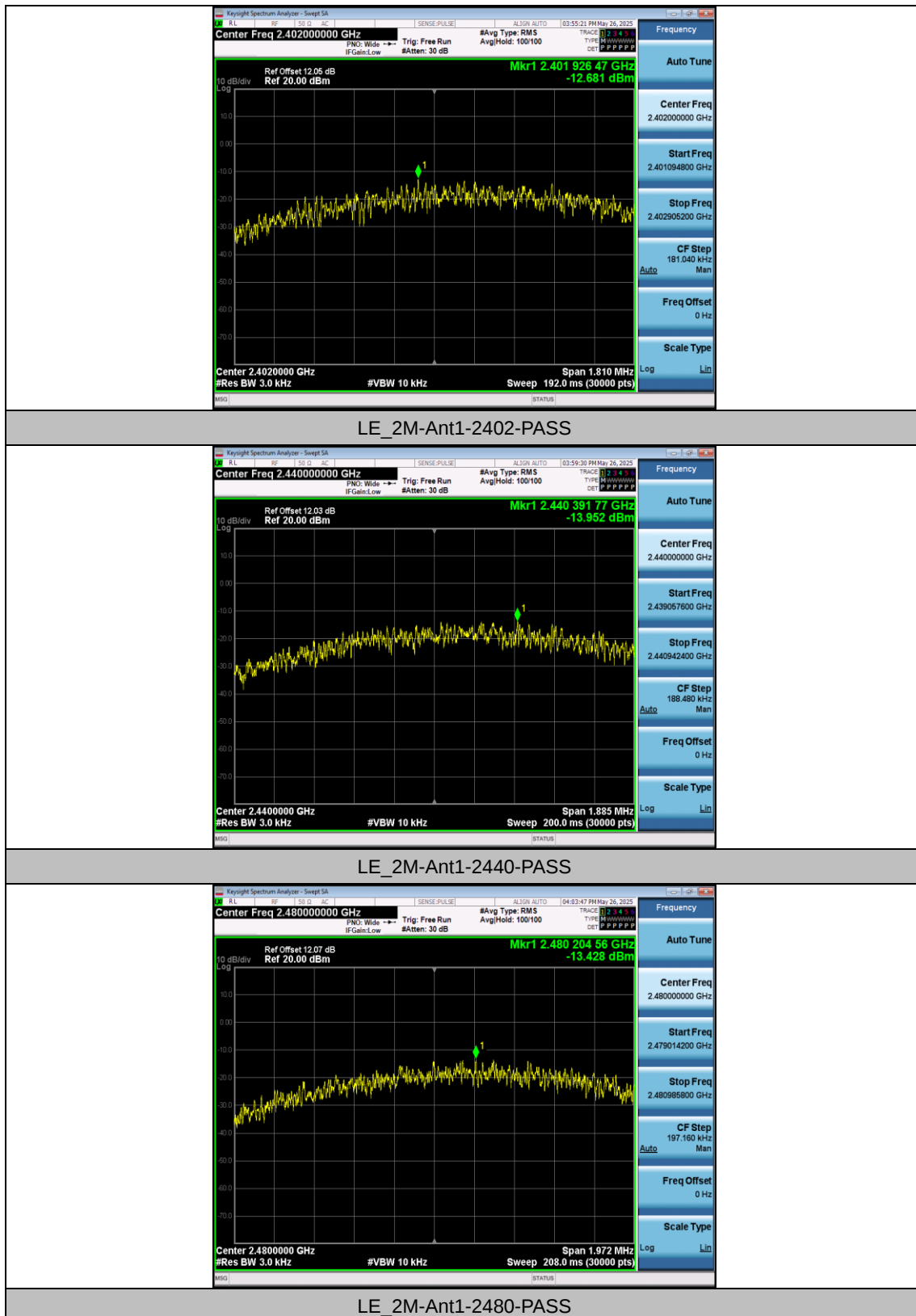
Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
LE_1M	Ant1	2402	-10.20	≤8.00	PASS
LE_1M	Ant1	2440	-9.23	≤8.00	PASS
LE_1M	Ant1	2480	-10.97	≤8.00	PASS
LE_2M	Ant1	2402	-12.68	≤8.00	PASS
LE_2M	Ant1	2440	-13.95	≤8.00	PASS
LE_2M	Ant1	2480	-13.43	≤8.00	PASS

Test Graphs





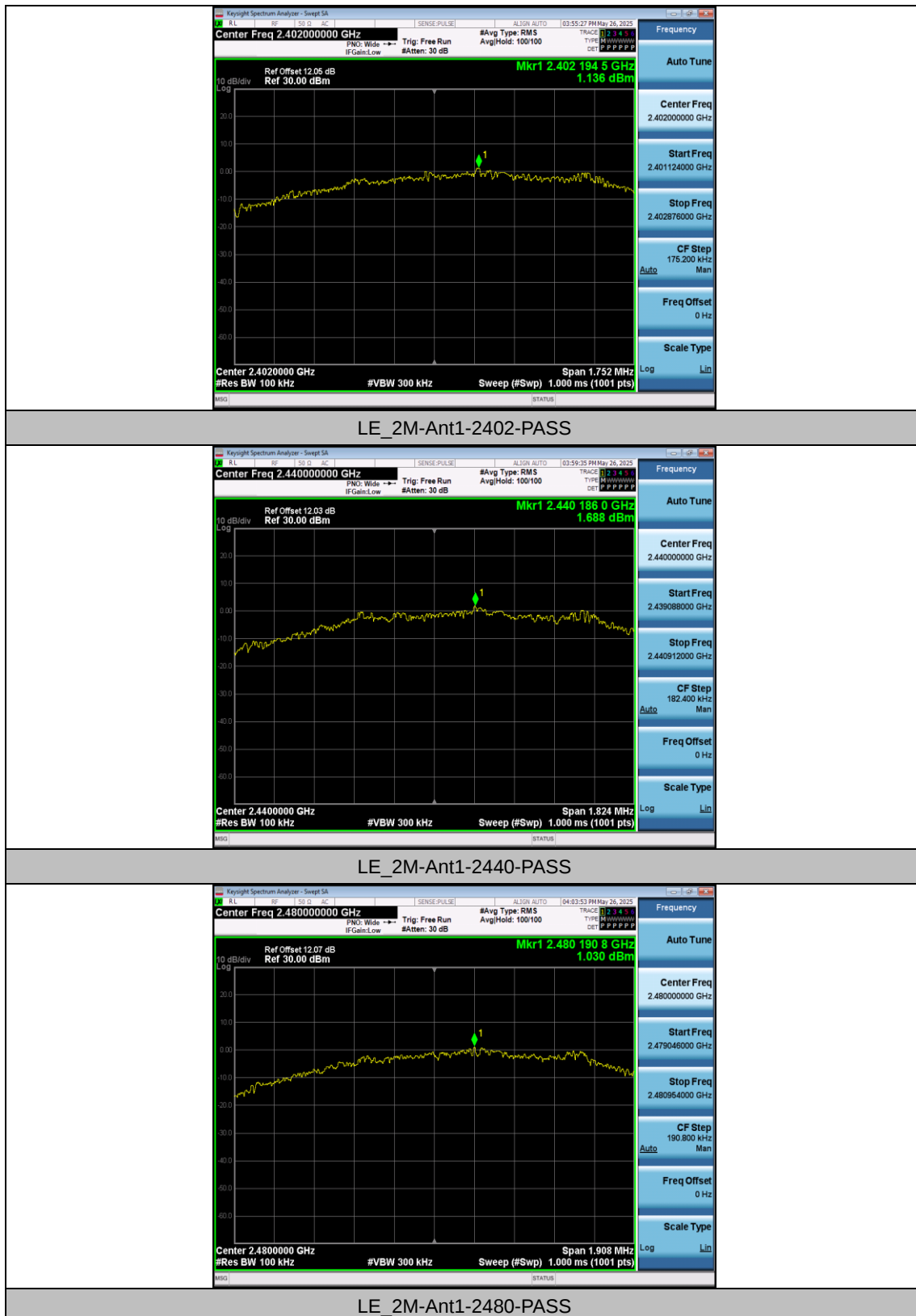
Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
LE_1M	Ant1	2402	2402.42	1.96
LE_1M	Ant1	2440	2440.44	2.41
LE_1M	Ant1	2480	2480.43	2.26
LE_2M	Ant1	2402	2402.19	1.14
LE_2M	Ant1	2440	2440.19	1.69
LE_2M	Ant1	2480	2480.19	1.03

Test Graphs



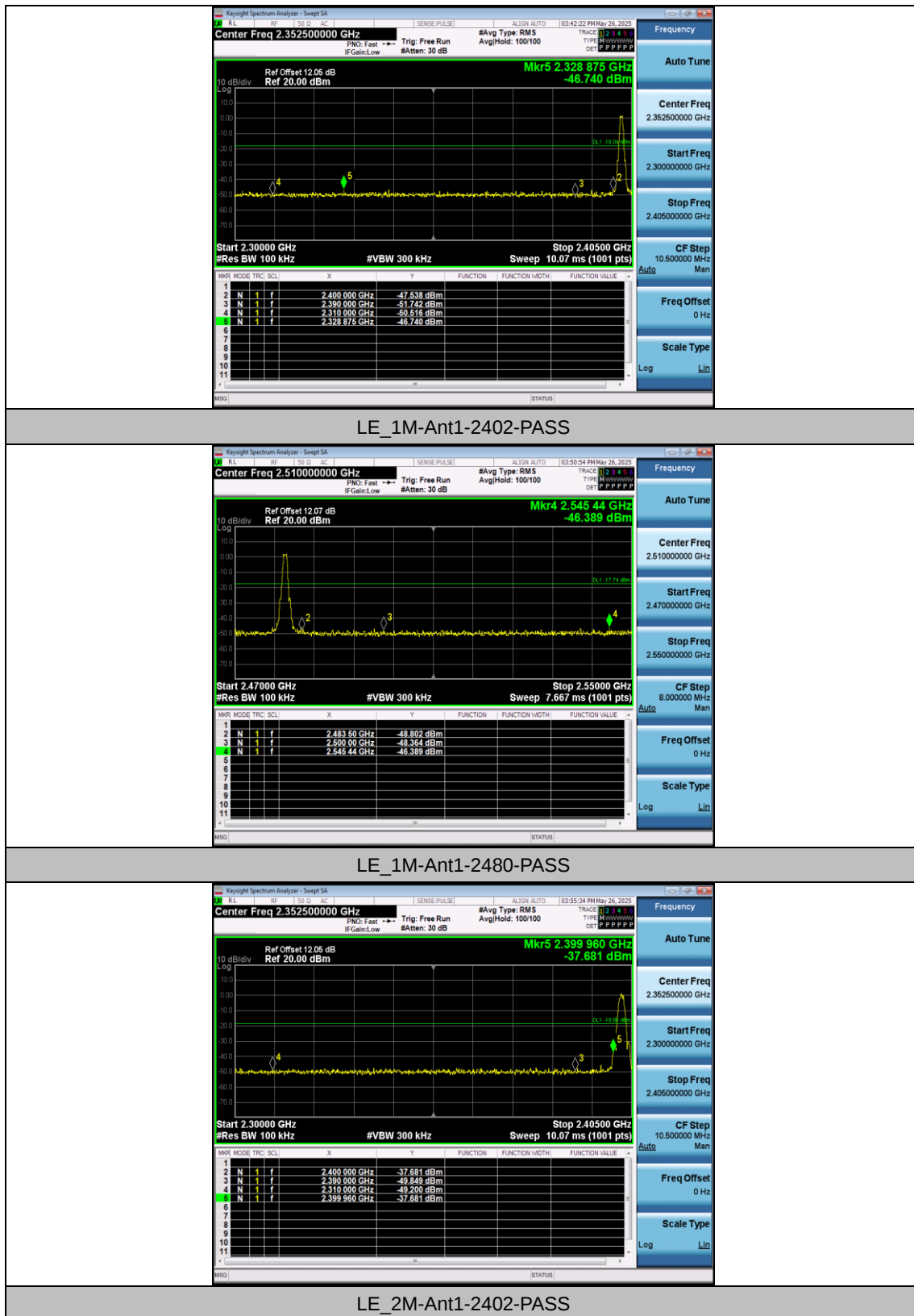


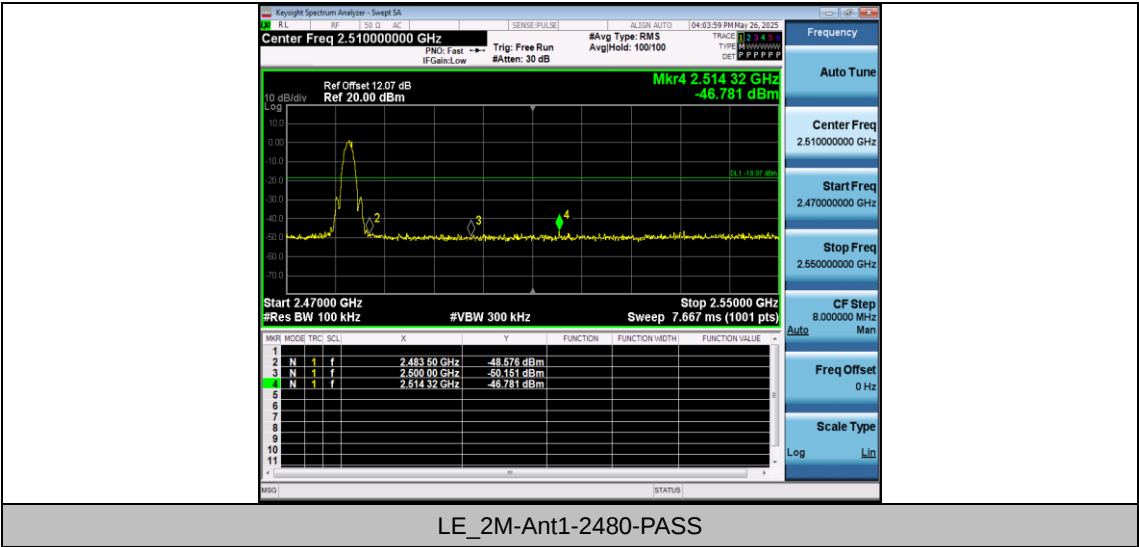
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
LE_1M	Ant1	Low	2402	1.96	-46.74	≤-18.04	PASS
LE_1M	Ant1	High	2480	2.26	-46.39	≤-17.74	PASS
LE_2M	Ant1	Low	2402	1.14	-37.68	≤-18.86	PASS
LE_2M	Ant1	High	2480	1.03	-46.78	≤-18.97	PASS

Test Graphs





LE_2M-Ant1-2480-PASS

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	1.96	-59.4	≤-18.04	PASS
LE_1M	Ant1	2402	1000~26500	1.96	-44.28	≤-18.04	PASS
LE_1M	Ant1	2440	30~1000	2.41	-54.02	≤-17.59	PASS
LE_1M	Ant1	2440	1000~26500	2.41	-43.45	≤-17.59	PASS
LE_1M	Ant1	2480	30~1000	2.26	-58.47	≤-17.74	PASS
LE_1M	Ant1	2480	1000~26500	2.26	-43.59	≤-17.74	PASS
LE_2M	Ant1	2402	30~1000	1.14	-58.86	≤-18.86	PASS
LE_2M	Ant1	2402	1000~26500	1.14	-43.84	≤-18.86	PASS
LE_2M	Ant1	2440	30~1000	1.69	-58.12	≤-18.31	PASS
LE_2M	Ant1	2440	1000~26500	1.69	-43.99	≤-18.31	PASS
LE_2M	Ant1	2480	30~1000	1.03	-58.04	≤-18.97	PASS
LE_2M	Ant1	2480	1000~26500	1.03	-43.94	≤-18.97	PASS

Test Graphs

