

Appendix for LE

Product Name: Lockly Guard
Model No: PGD679LZSN

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
LE_1M	Ant1	2402	0.732	2401.636	2402.368	0.5	PASS
LE_1M	Ant1	2440	0.732	2439.652	2440.384	0.5	PASS
LE_1M	Ant1	2480	0.676	2479.688	2480.364	0.5	PASS
LE_2M	Ant1	2402	1.136	2401.460	2402.596	0.5	PASS
LE_2M	Ant1	2440	1.120	2439.480	2440.600	0.5	PASS
LE_2M	Ant1	2480	1.216	2479.396	2480.612	0.5	PASS

Test Graphs



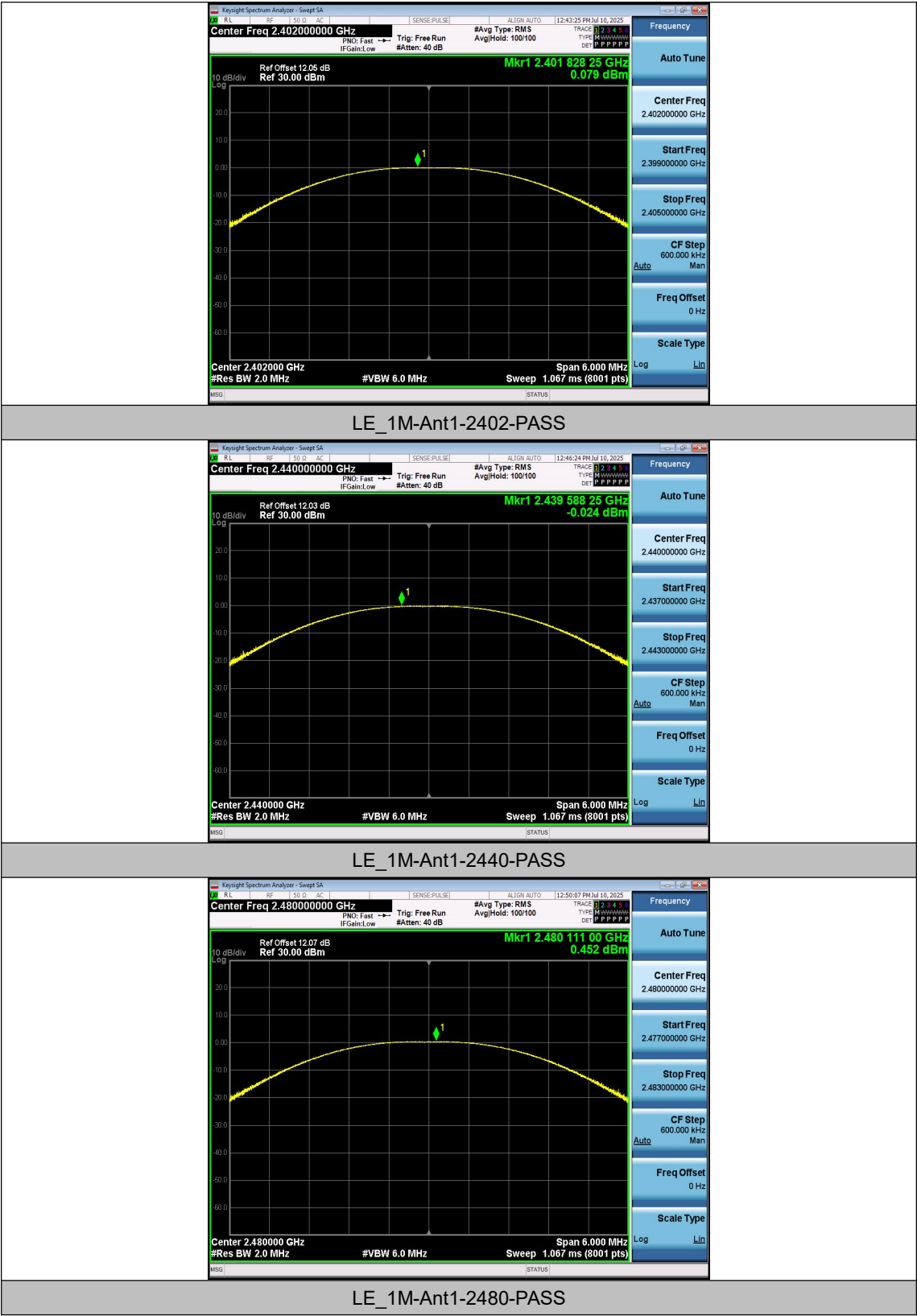


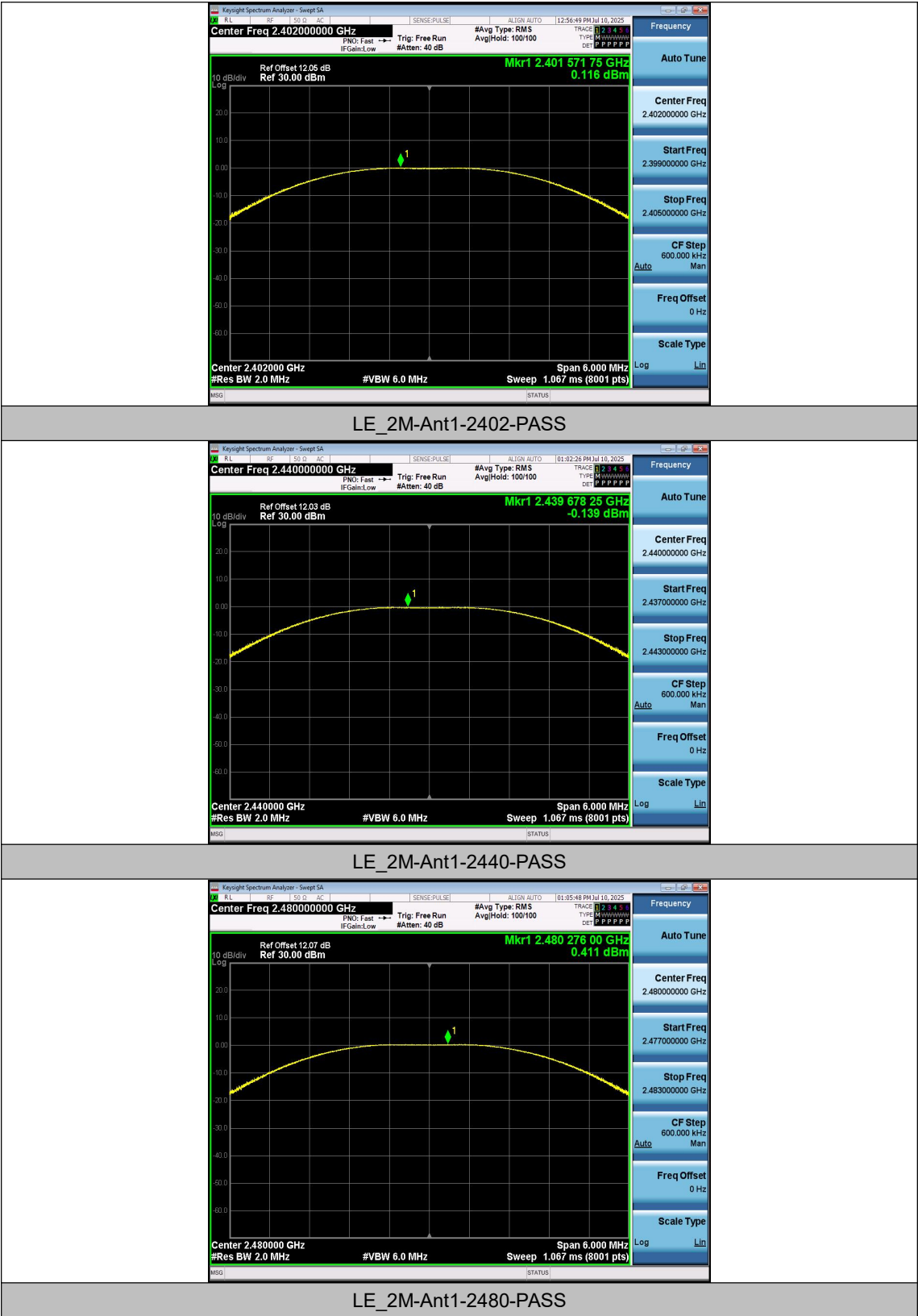
Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
LE_1M	Ant1	2402	0.08	≤30	PASS
LE_1M	Ant1	2440	-0.02	≤30	PASS
LE_1M	Ant1	2480	0.45	≤30	PASS
LE_2M	Ant1	2402	0.12	≤30	PASS
LE_2M	Ant1	2440	-0.14	≤30	PASS
LE_2M	Ant1	2480	0.41	≤30	PASS

Test Graphs Peak



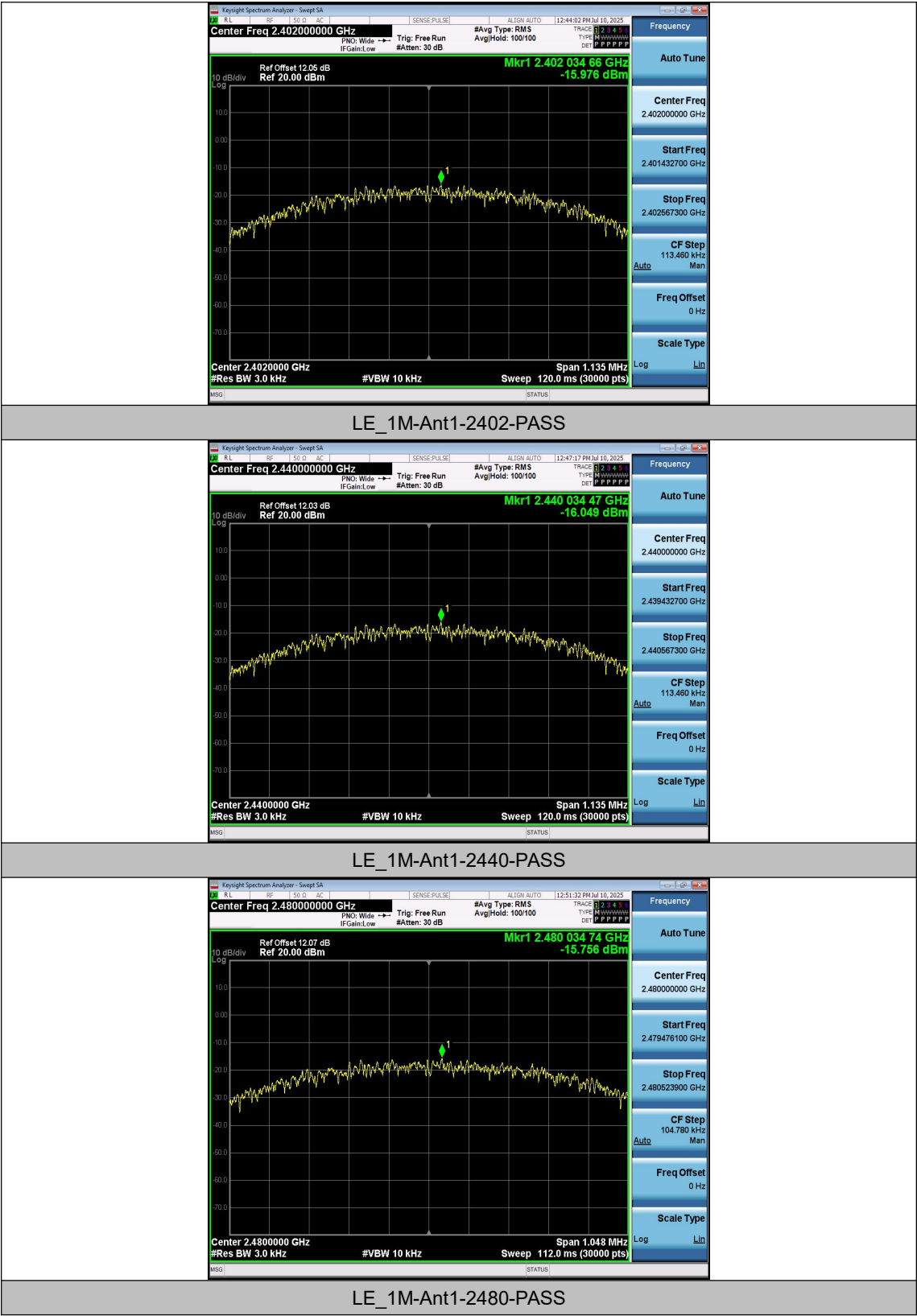


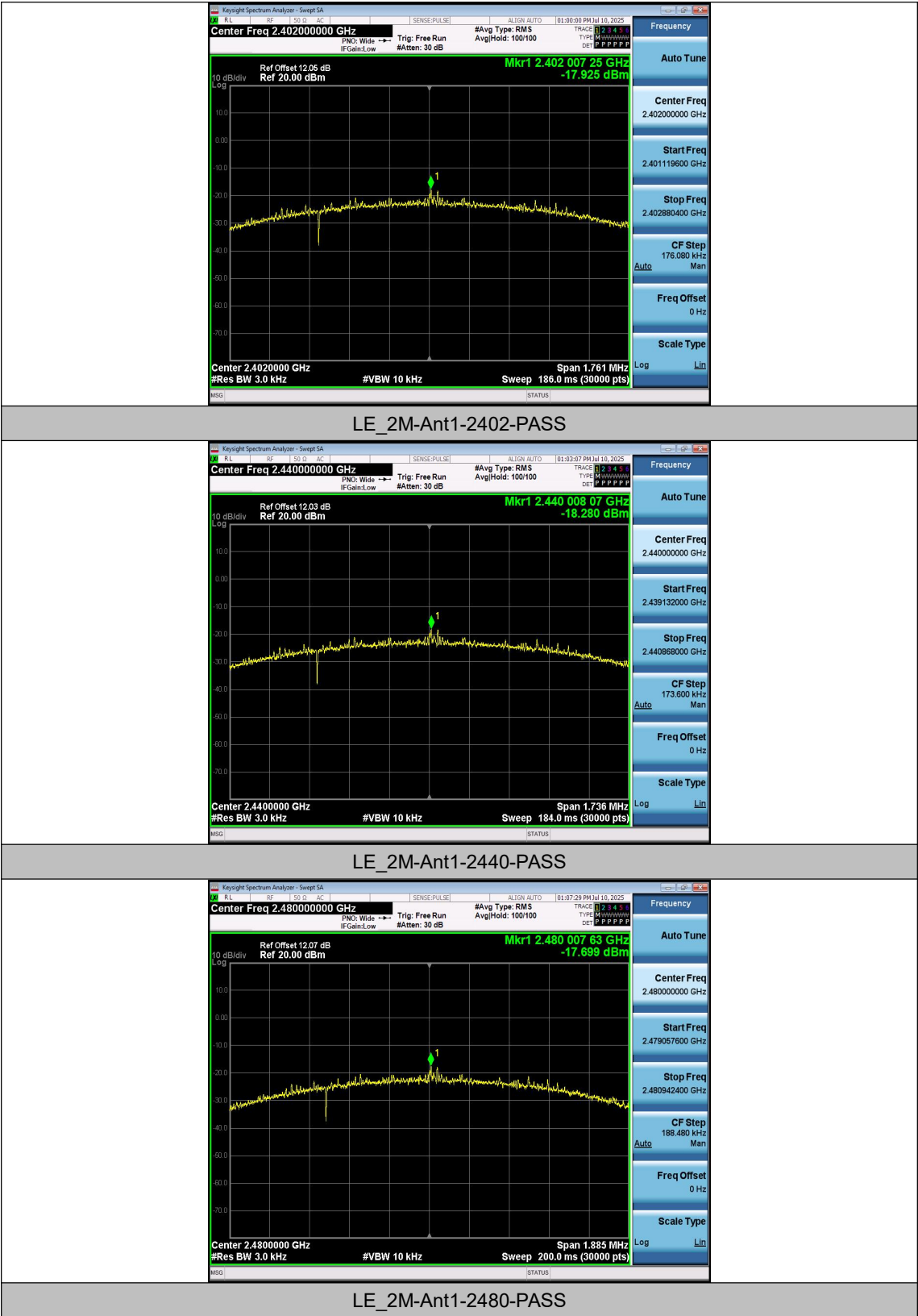
Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
LE_1M	Ant1	2402	-15.98	≤8.00	PASS
LE_1M	Ant1	2440	-16.05	≤8.00	PASS
LE_1M	Ant1	2480	-15.76	≤8.00	PASS
LE_2M	Ant1	2402	-17.93	≤8.00	PASS
LE_2M	Ant1	2440	-18.28	≤8.00	PASS
LE_2M	Ant1	2480	-17.70	≤8.00	PASS

Test Graphs



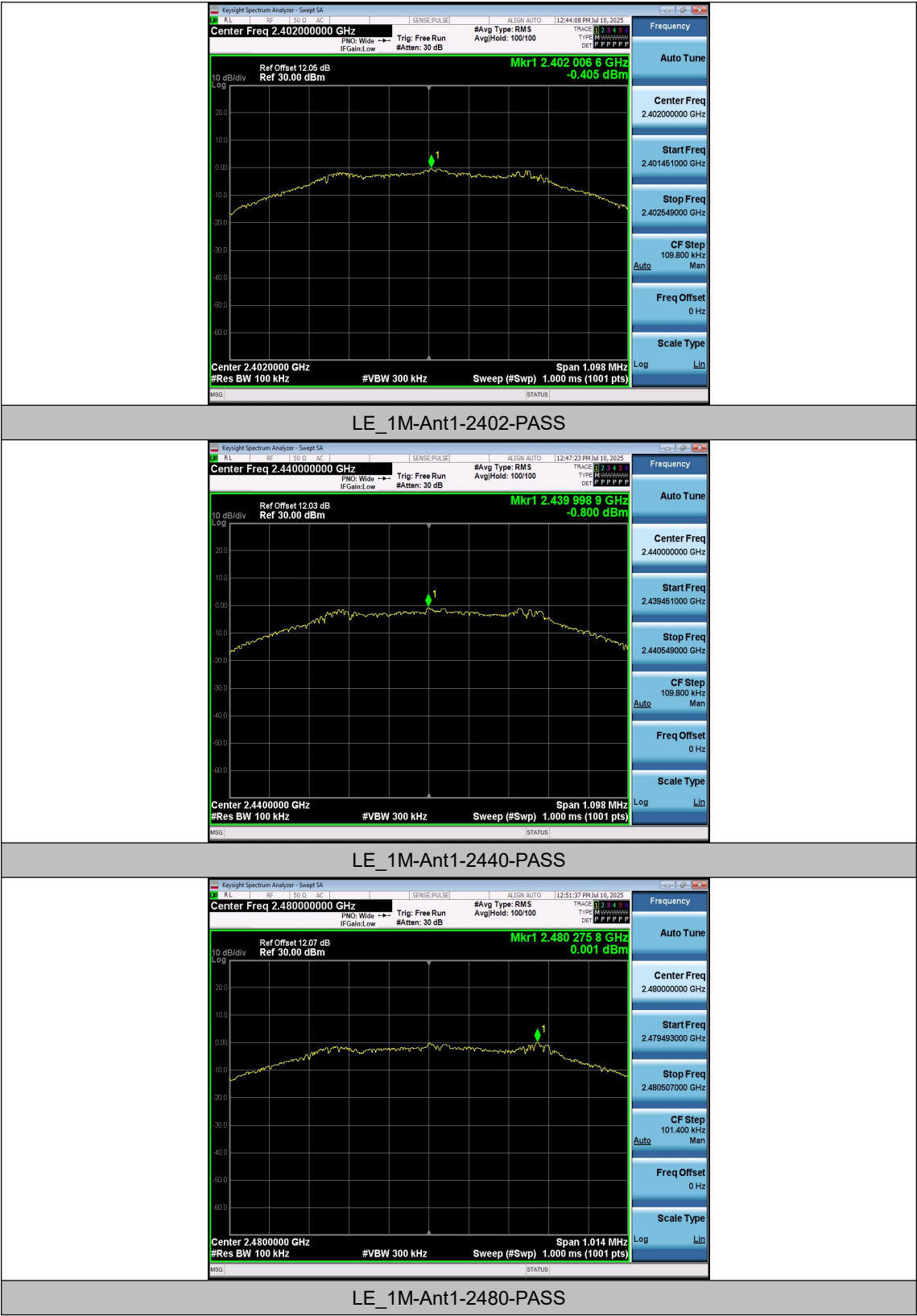


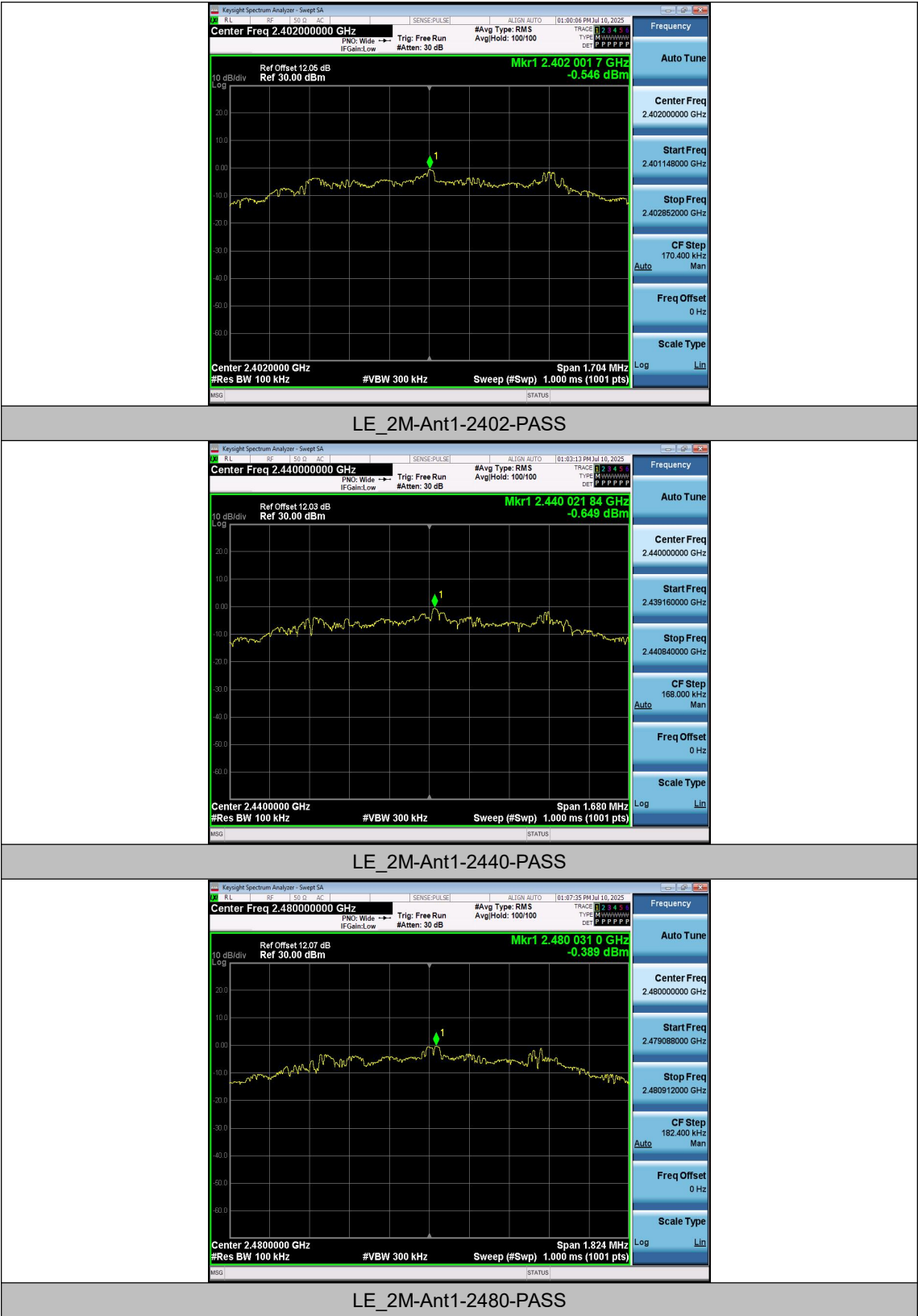
Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
LE_1M	Ant1	2402	2402.01	-0.41
LE_1M	Ant1	2440	2440.00	-0.80
LE_1M	Ant1	2480	2480.28	0.00
LE_2M	Ant1	2402	2402.00	-0.55
LE_2M	Ant1	2440	2440.02	-0.65
LE_2M	Ant1	2480	2480.03	-0.39

Test Graphs



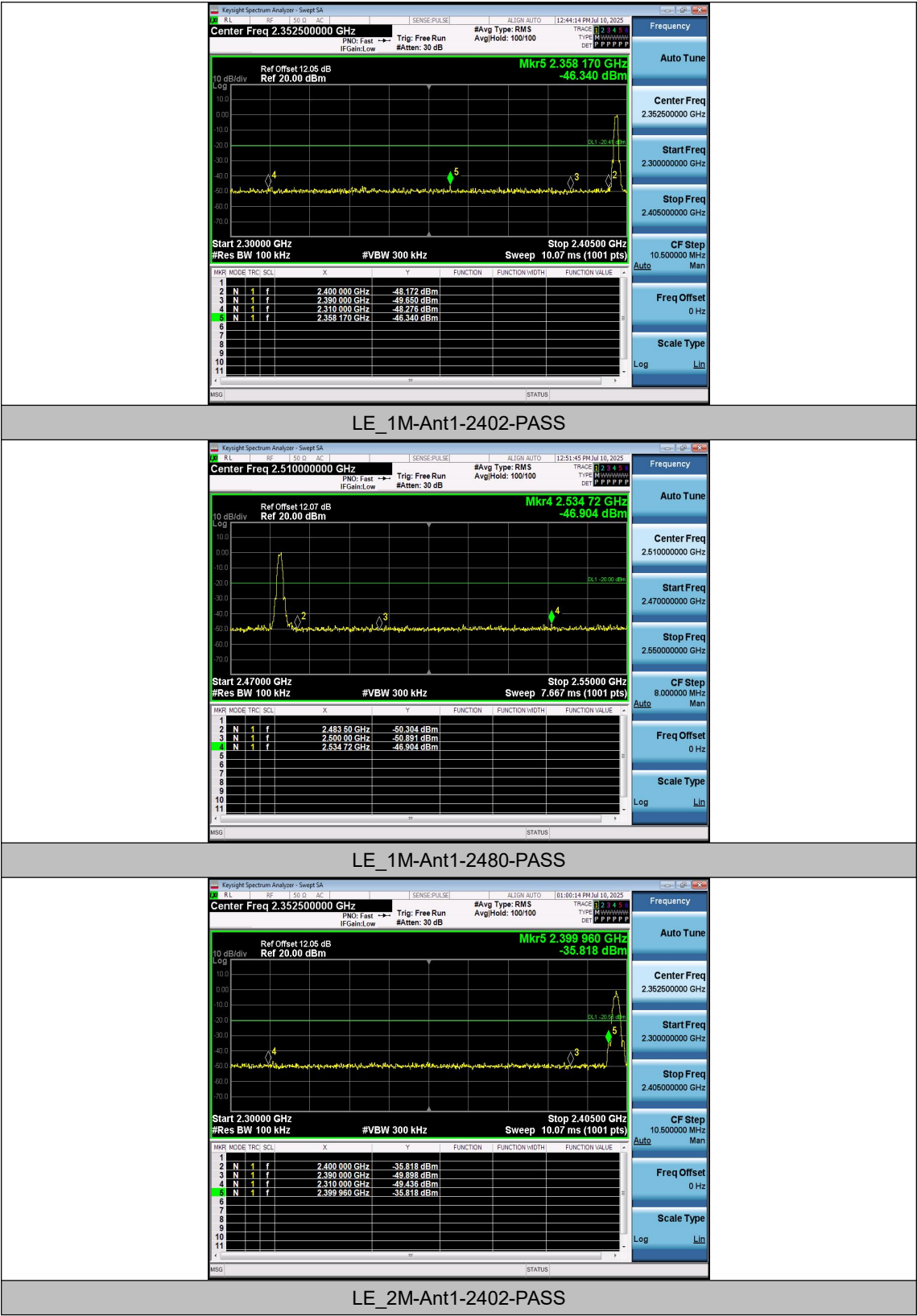


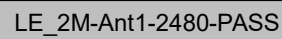
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
LE_1M	Ant1	Low	2402	-0.41	-46.34	≤ -20.41	PASS
LE_1M	Ant1	High	2480	0.00	-46.9	≤ -20	PASS
LE_2M	Ant1	Low	2402	-0.55	-35.82	≤ -20.55	PASS
LE_2M	Ant1	High	2480	-0.39	-47	≤ -20.39	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	-0.41	-59.48	≤-20.41	PASS
LE_1M	Ant1	2402	1000~26500	-0.41	-43.68	≤-20.41	PASS
LE_1M	Ant1	2440	30~1000	-0.80	-58.91	≤-20.8	PASS
LE_1M	Ant1	2440	1000~26500	-0.80	-44.31	≤-20.8	PASS
LE_1M	Ant1	2480	30~1000	0.00	-58.32	≤-20	PASS
LE_1M	Ant1	2480	1000~26500	0.00	-43.99	≤-20	PASS
LE_2M	Ant1	2402	30~1000	-0.55	-58.5	≤-20.55	PASS
LE_2M	Ant1	2402	1000~26500	-0.55	-44.07	≤-20.55	PASS
LE_2M	Ant1	2440	30~1000	-0.65	-58.24	≤-20.65	PASS
LE_2M	Ant1	2440	1000~26500	-0.65	-42.44	≤-20.65	PASS
LE_2M	Ant1	2480	30~1000	-0.39	-59.24	≤-20.39	PASS
LE_2M	Ant1	2480	1000~26500	-0.39	-44.1	≤-20.39	PASS

Test Graphs

