

Appendix for BLE mode

Product Name: LOCKLY LUX COMPACT MORTISE EDITION WITH RFID

Model No: PGD688FC

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.648	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.672	2439.672	2440.344	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.668	2480.340	0.5	PASS

Test Graphs

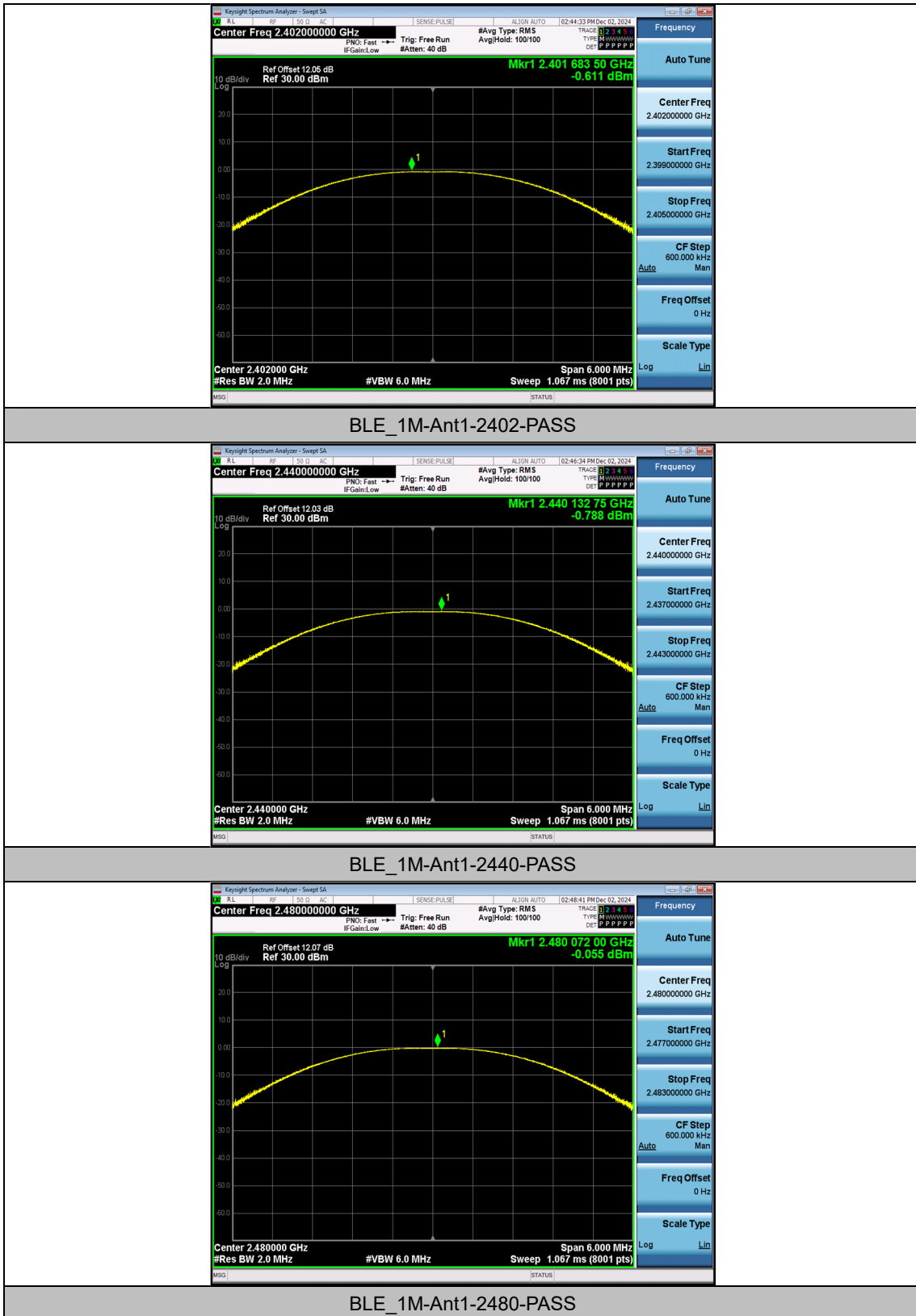


Appendix B: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.61	≤30	PASS
BLE_1M	Ant1	2440	-0.79	≤30	PASS
BLE_1M	Ant1	2480	-0.06	≤30	PASS

Test Graphs Peak

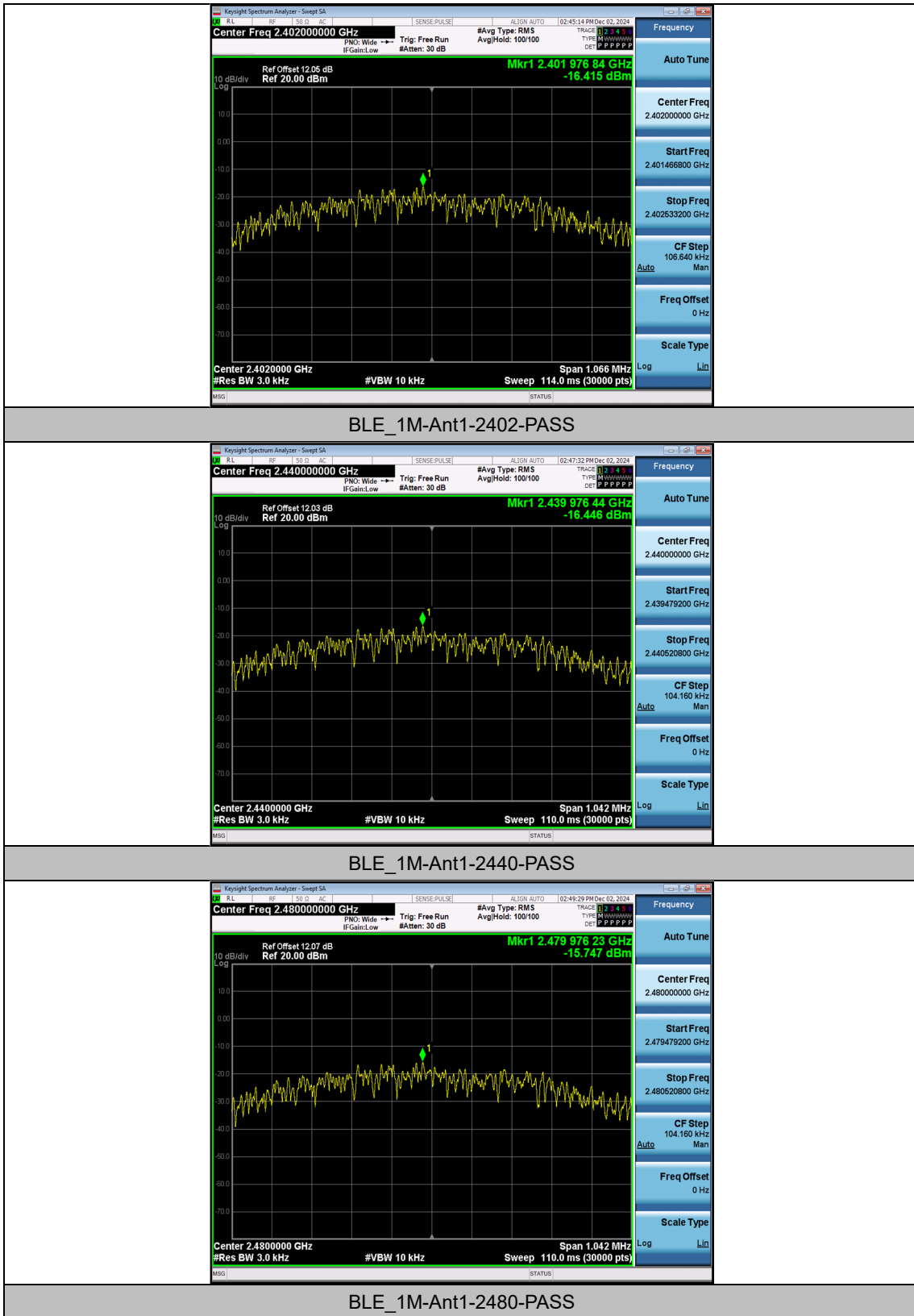


Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.42	≤8.00	PASS
BLE_1M	Ant1	2440	-16.45	≤8.00	PASS
BLE_1M	Ant1	2480	-15.75	≤8.00	PASS

Test Graphs

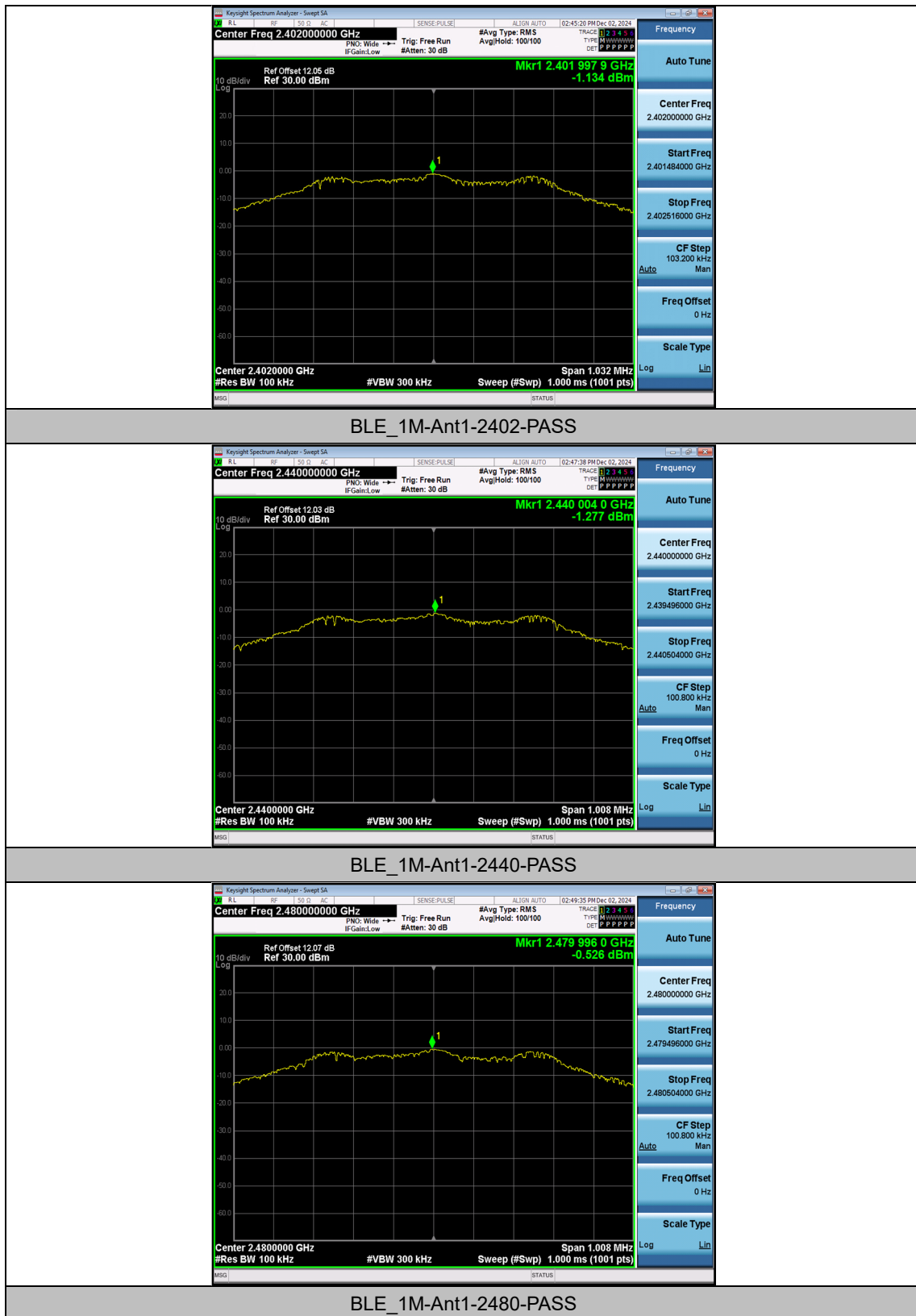


Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2402.00	-1.13
BLE_1M	Ant1	2440	2440.00	-1.28
BLE_1M	Ant1	2480	2480.00	-0.53

Test Graphs

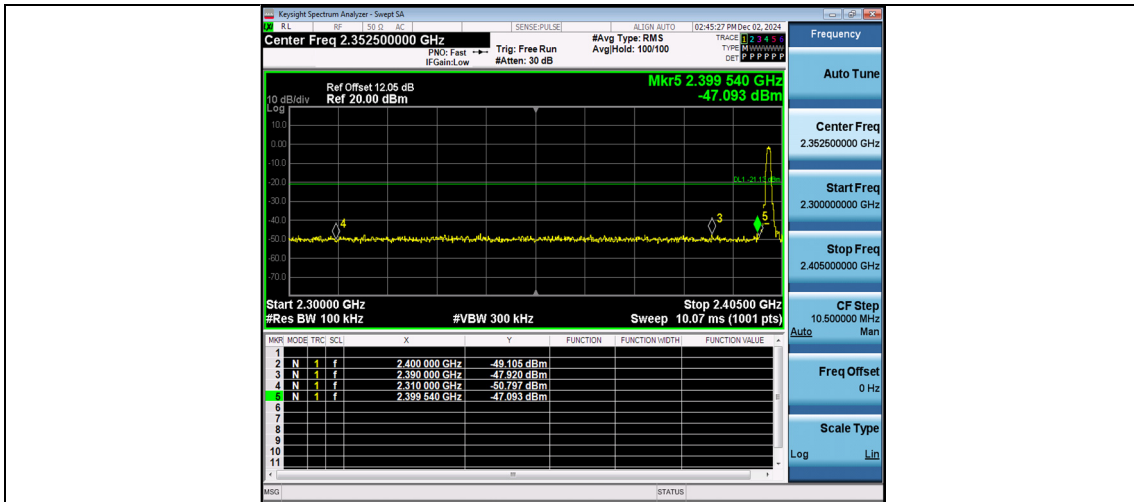


Appendix E: Band edge measurements

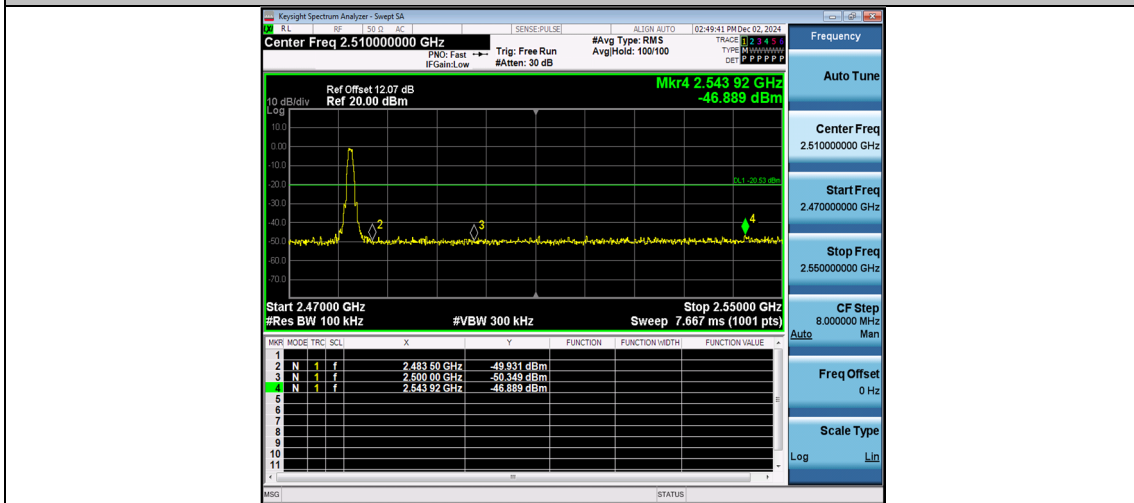
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.13	-47.09	≤-21.13	PASS
BLE_1M	Ant1	High	2480	-0.53	-46.89	≤-20.53	PASS

Test Graphs



BLE_1M-Ant1-2402-PASS



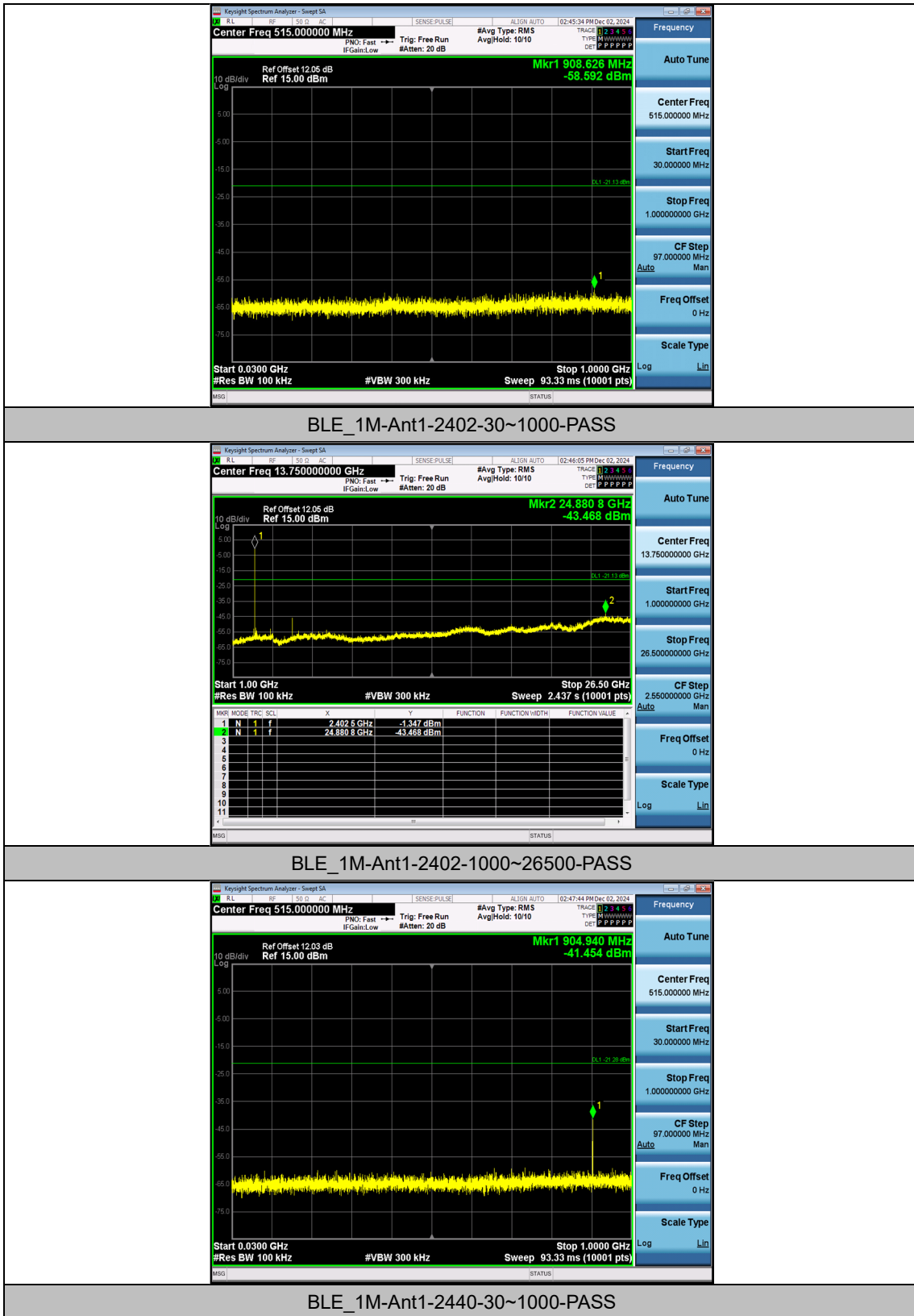
BLE_1M-Ant1-2480-PASS

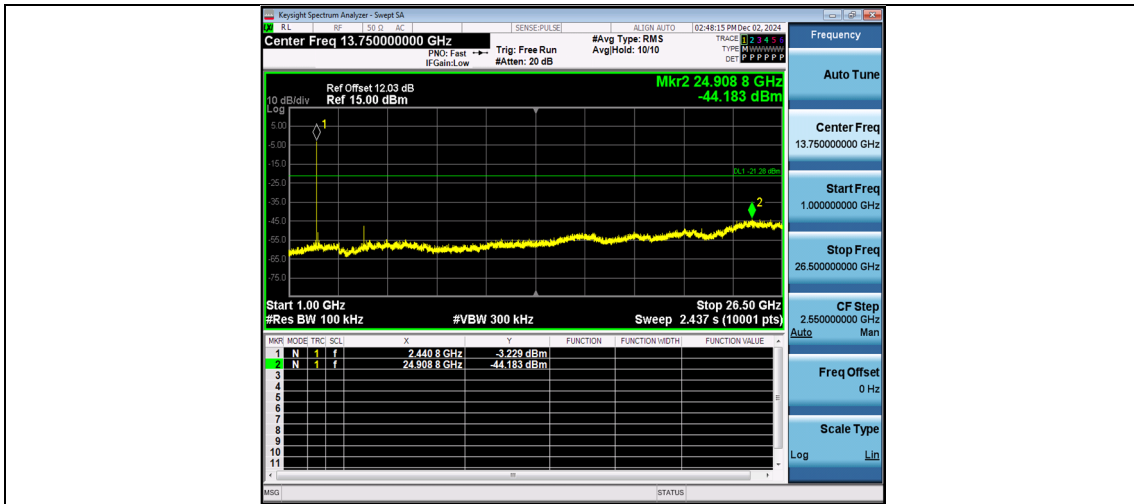
Appendix F: Conducted Spurious Emission

Test Result

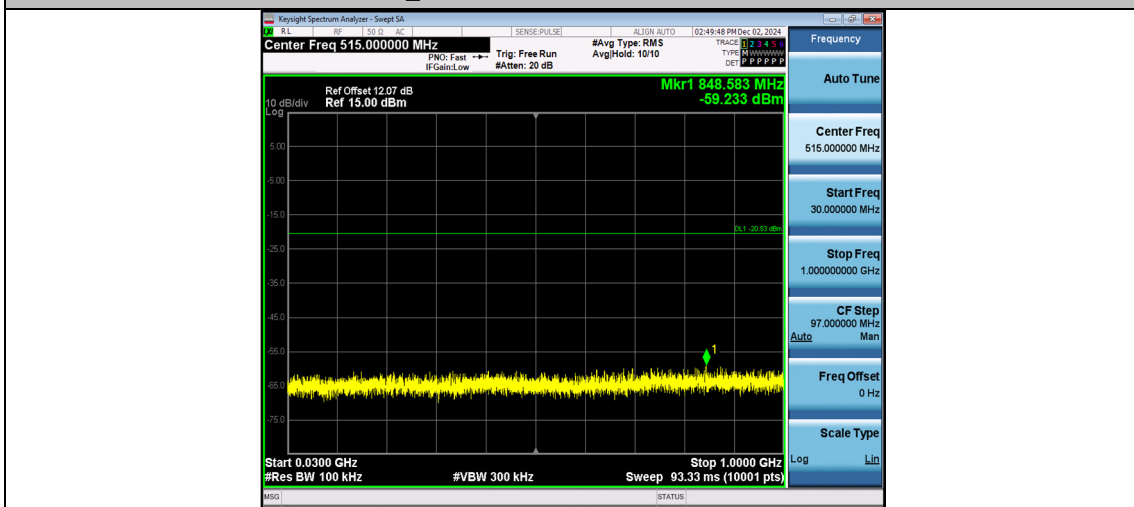
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	-1.13	-58.59	≤-21.13	PASS
BLE_1M	Ant1	2402	1000~26500	-1.13	-43.47	≤-21.13	PASS
BLE_1M	Ant1	2440	30~1000	-1.28	-41.45	≤-21.28	PASS
BLE_1M	Ant1	2440	1000~26500	-1.28	-44.18	≤-21.28	PASS
BLE_1M	Ant1	2480	30~1000	-0.53	-59.23	≤-20.53	PASS
BLE_1M	Ant1	2480	1000~26500	-0.53	-44.36	≤-20.53	PASS

Test Graphs

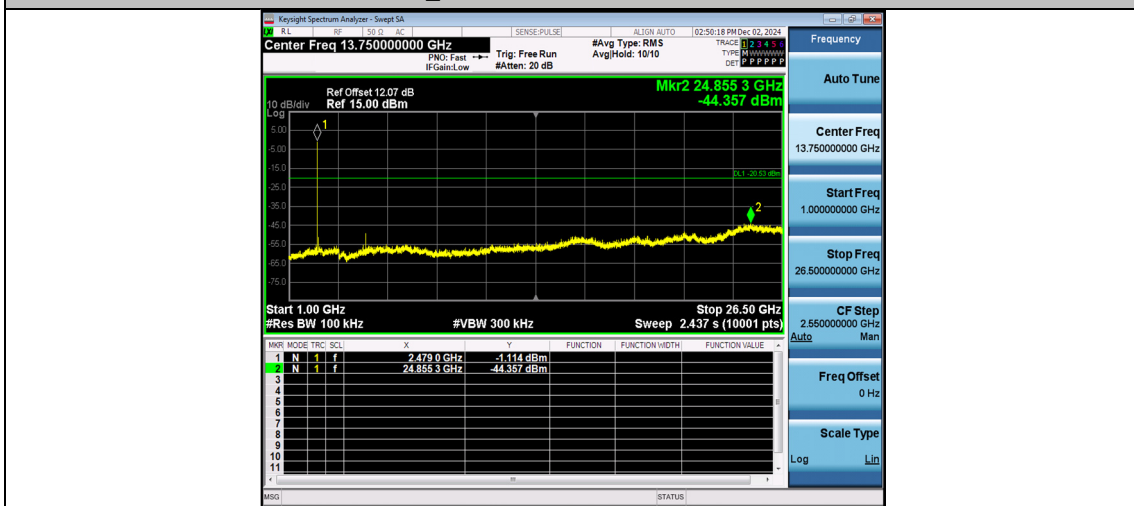




BLE_1M-Ant1-2440-1000~26500-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS