

Appendix for Bluetooth BLE mode

Product Name: Smart Dehumidifier Max(Pump)

Model No: H7152

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.640	2402.324	0.5	PASS
BLE_1M	Ant1	2440	0.664	2439.668	2440.332	0.5	PASS
BLE_1M	Ant1	2480	0.644	2479.664	2480.308	0.5	PASS

Test Graphs

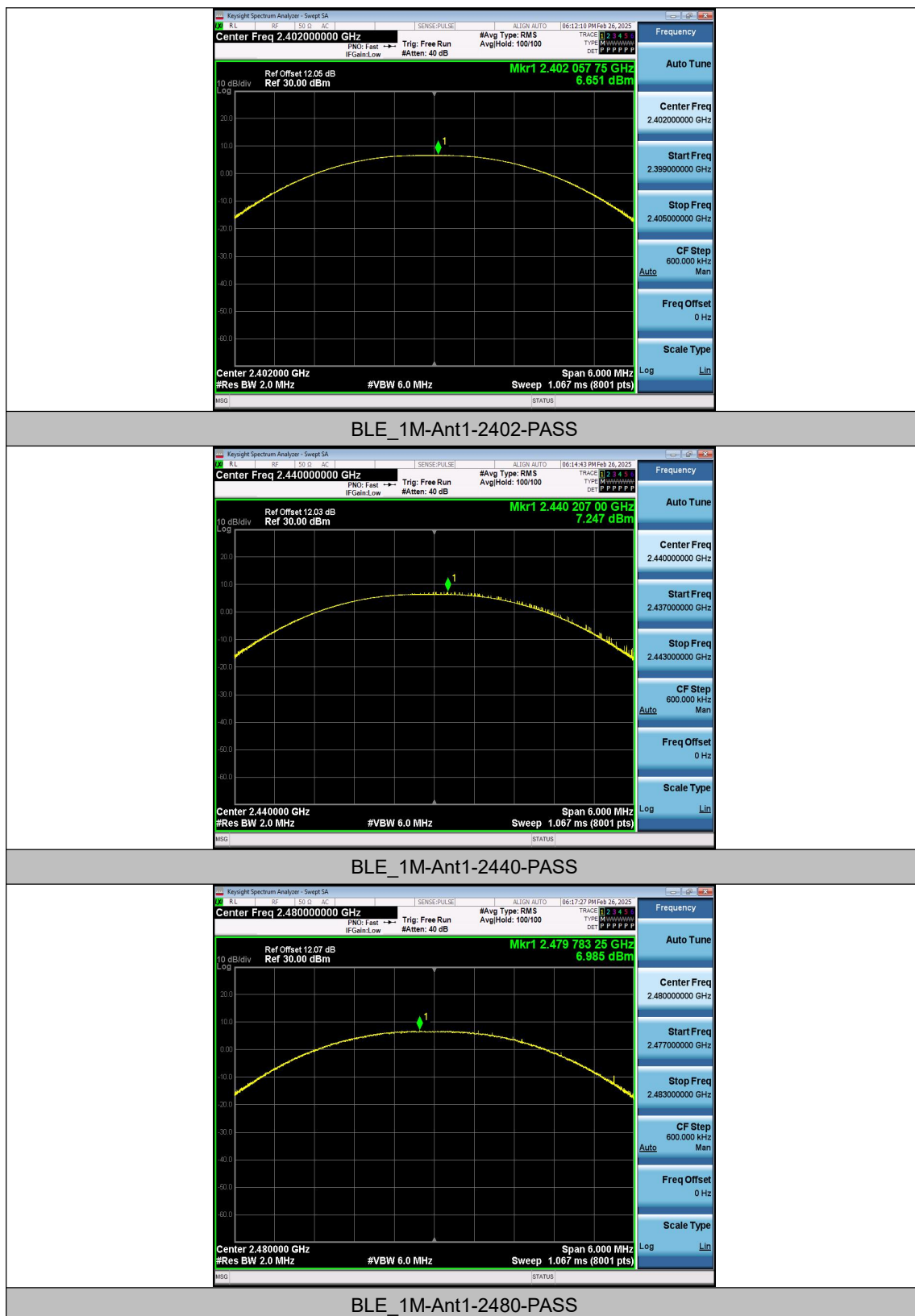


Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.65	≤30	6.65	≤36	PASS
BLE_1M	Ant1	2440	7.25	≤30	7.25	≤36	PASS
BLE_1M	Ant1	2480	6.99	≤30	6.99	≤36	PASS

Test Graphs Peak

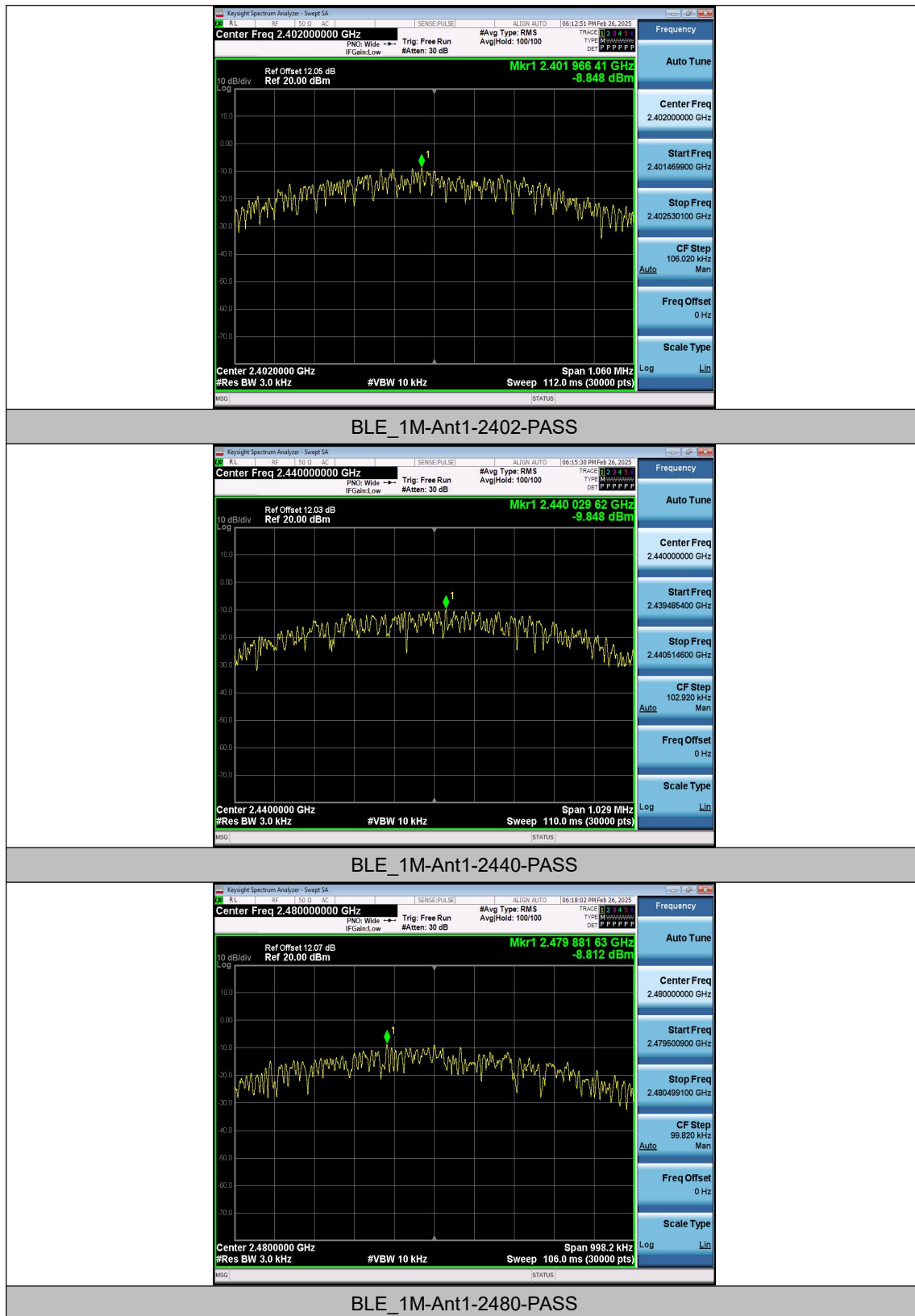


Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.85	≤8.00	PASS
BLE_1M	Ant1	2440	-9.85	≤8.00	PASS
BLE_1M	Ant1	2480	-8.81	≤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	2401.98	6.38
BLE_1M	Ant1	2440	2439.98	5.81
BLE_1M	Ant1	2480	2480.00	6.08

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	6.38	-46.6	≤ -13.62	PASS
BLE_1M	Ant1	High	2480	6.08	-46.42	≤ -13.92	PASS

Test Graphs

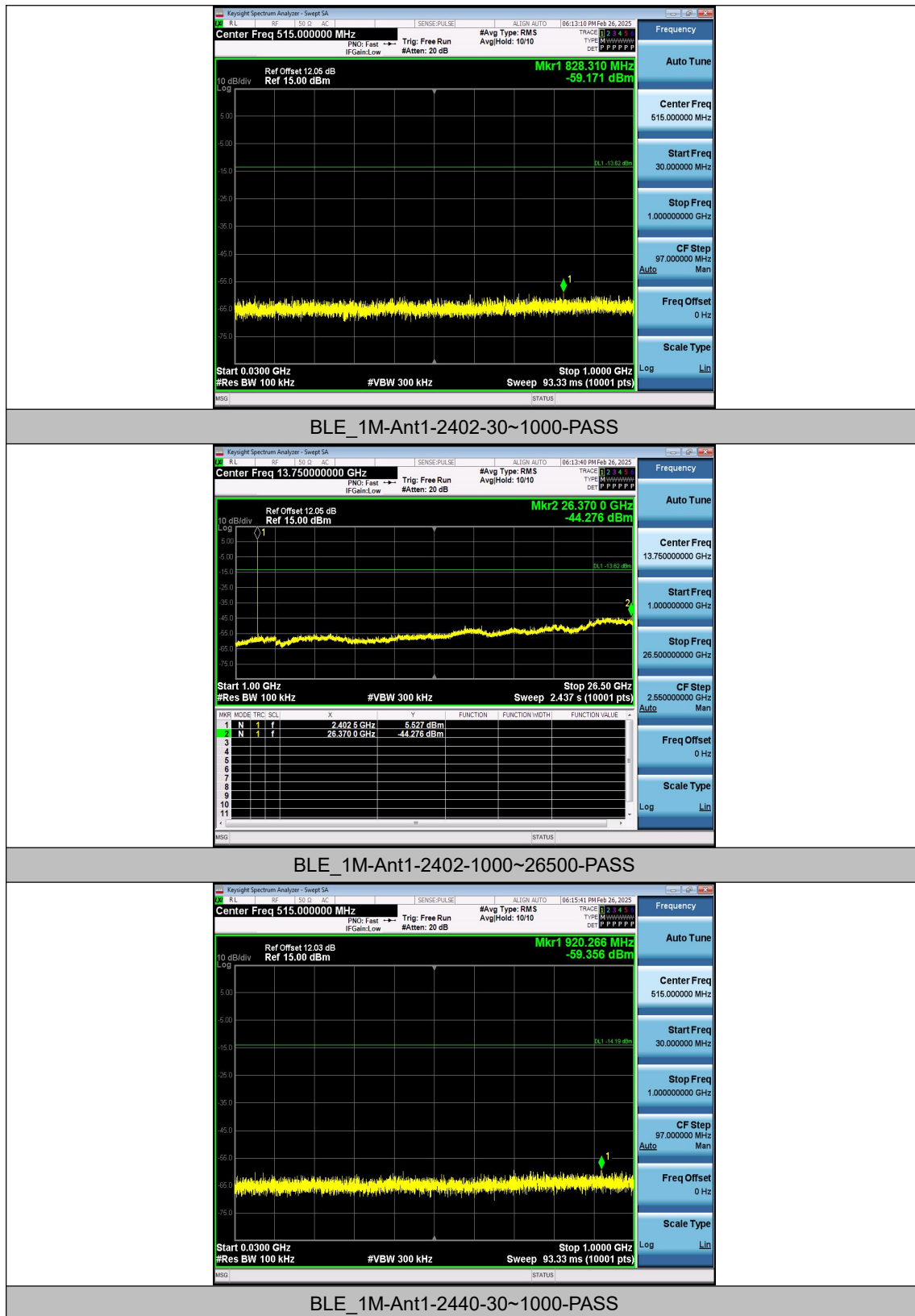


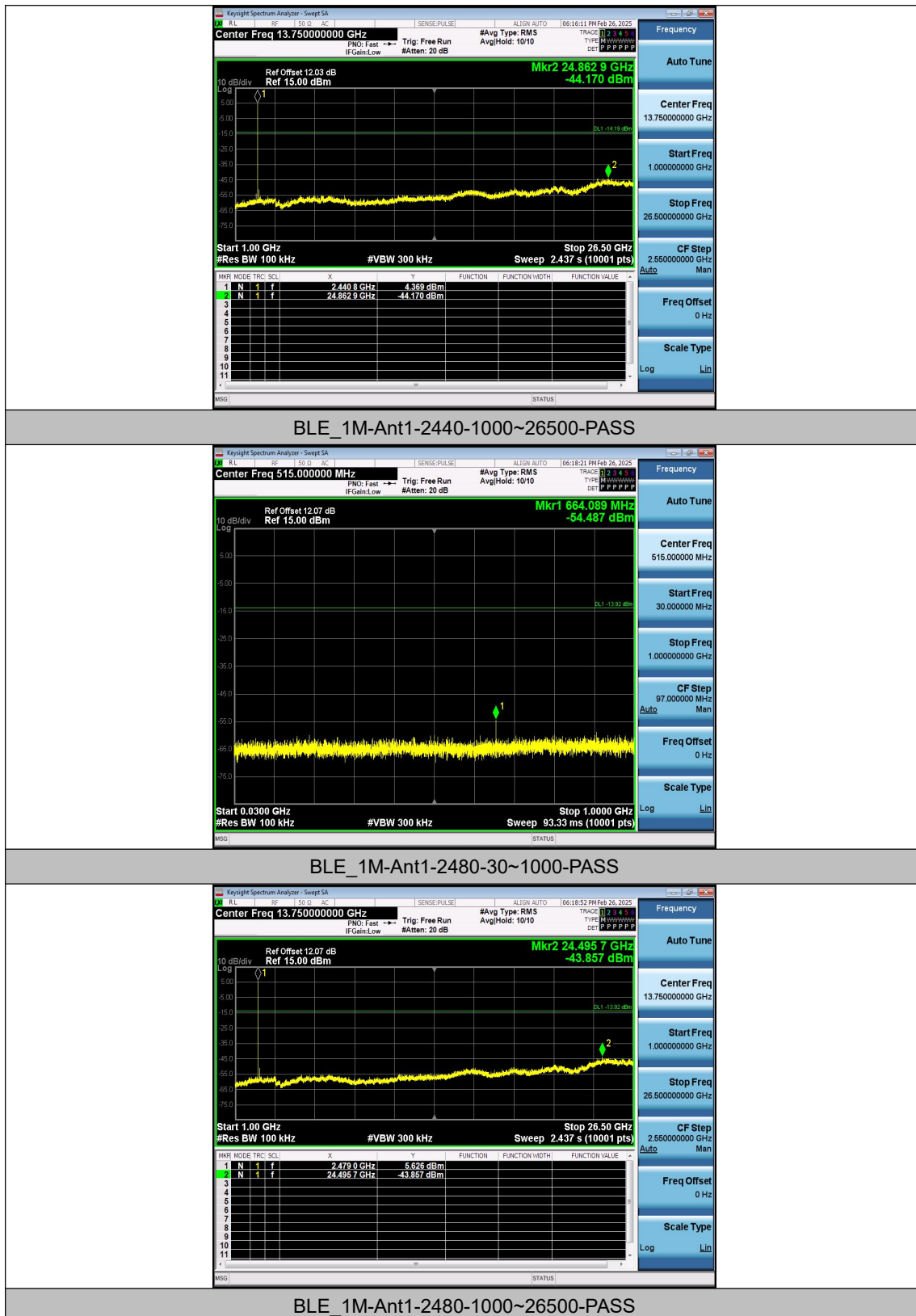
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	6.38	-59.17	≤-13.62	PASS
BLE_1M	Ant1	2402	1000~26500	6.38	-44.28	≤-13.62	PASS
BLE_1M	Ant1	2440	30~1000	5.81	-59.36	≤-14.19	PASS
BLE_1M	Ant1	2440	1000~26500	5.81	-44.17	≤-14.19	PASS
BLE_1M	Ant1	2480	30~1000	6.08	-54.49	≤-13.92	PASS
BLE_1M	Ant1	2480	1000~26500	6.08	-43.86	≤-13.92	PASS

Test Graphs





Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.63	63.49	1.97
BLE_1M	Ant1	2440	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2480	0.40	0.63	63.49	1.97

Test Graphs

