

Appendix Test Data for BLE (Conducted Measurement)

Product Name: DOCKSTREAM RFID Smart Fountain

Trade Mark: PETLIBRO

Test Model: PLWF305

FCC ID: 2A3DE-PLWF305

Environmental Conditions

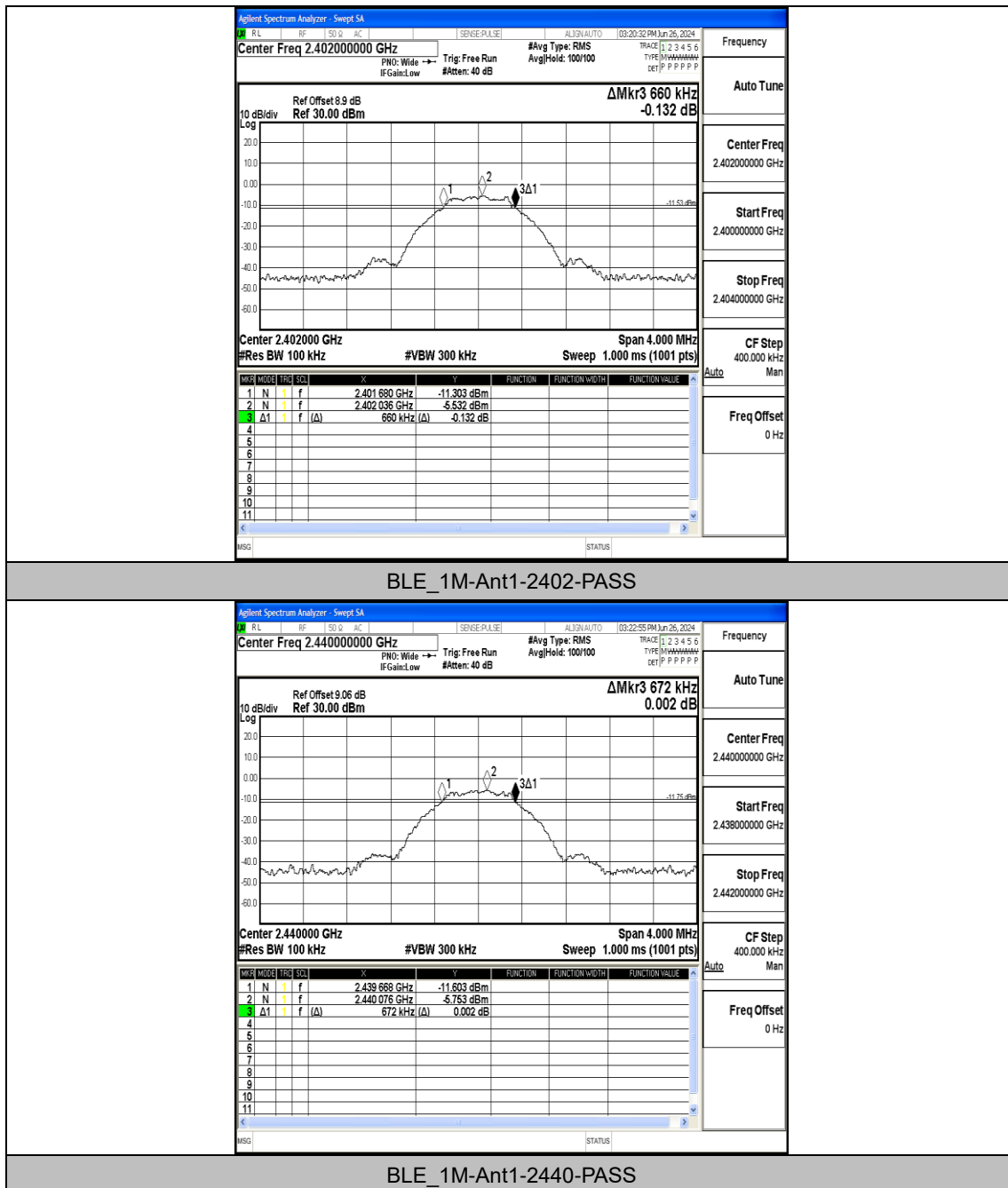
Temperature:	23.5℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

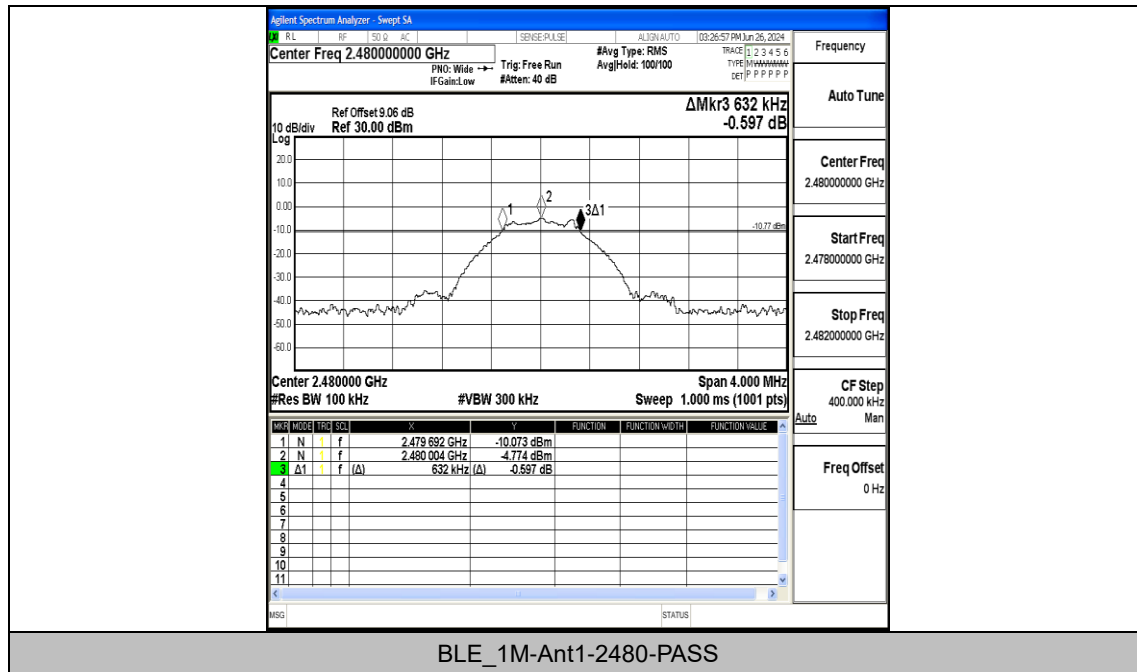
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.680	2402.340	0.5	PASS
BLE_1M	Ant1	2440	0.672	2439.668	2440.340	0.5	PASS
BLE_1M	Ant1	2480	0.632	2479.692	2480.324	0.5	PASS

Test Graphs



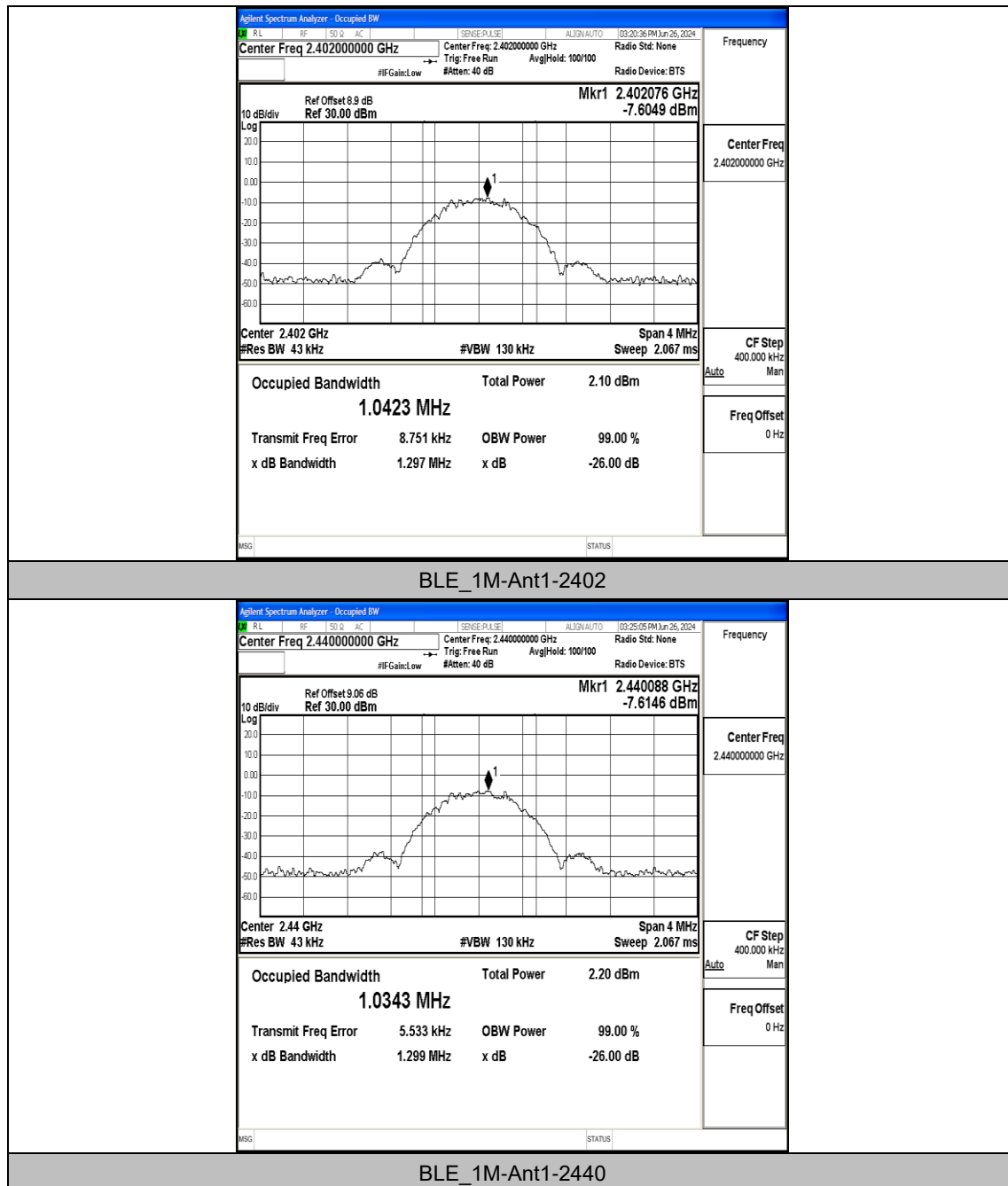


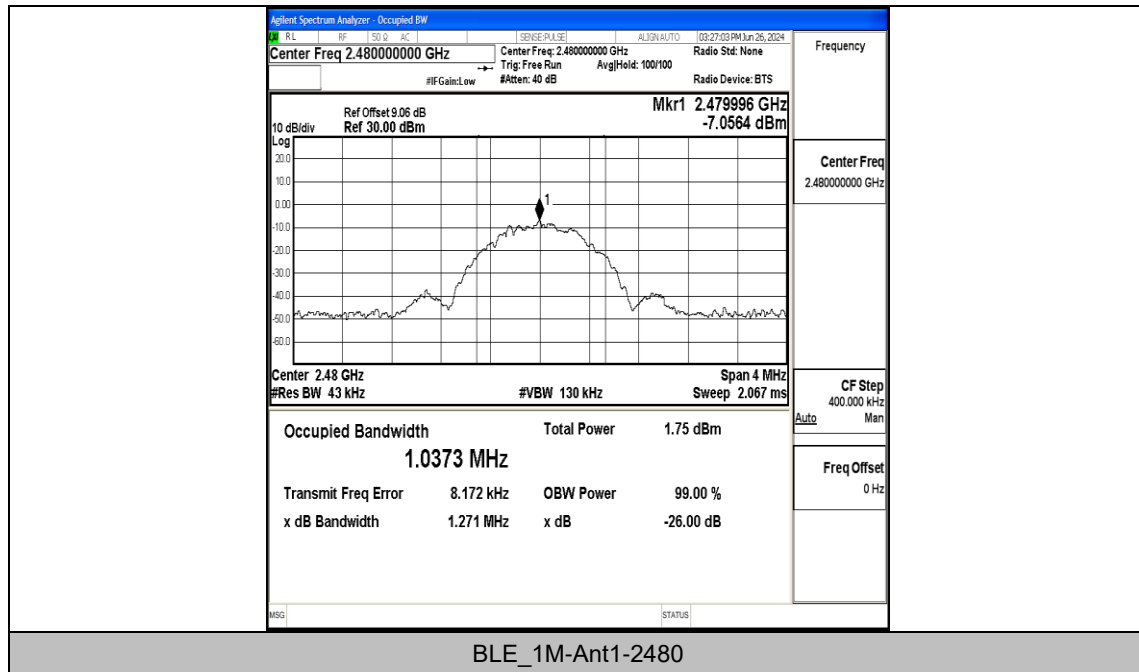
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0423	2401.4876	2402.5299	---	---
BLE_1M	Ant1	2440	1.0343	2439.4884	2440.5227	---	---
BLE_1M	Ant1	2480	1.0373	2479.4895	2480.5268	---	---

Test Graphs



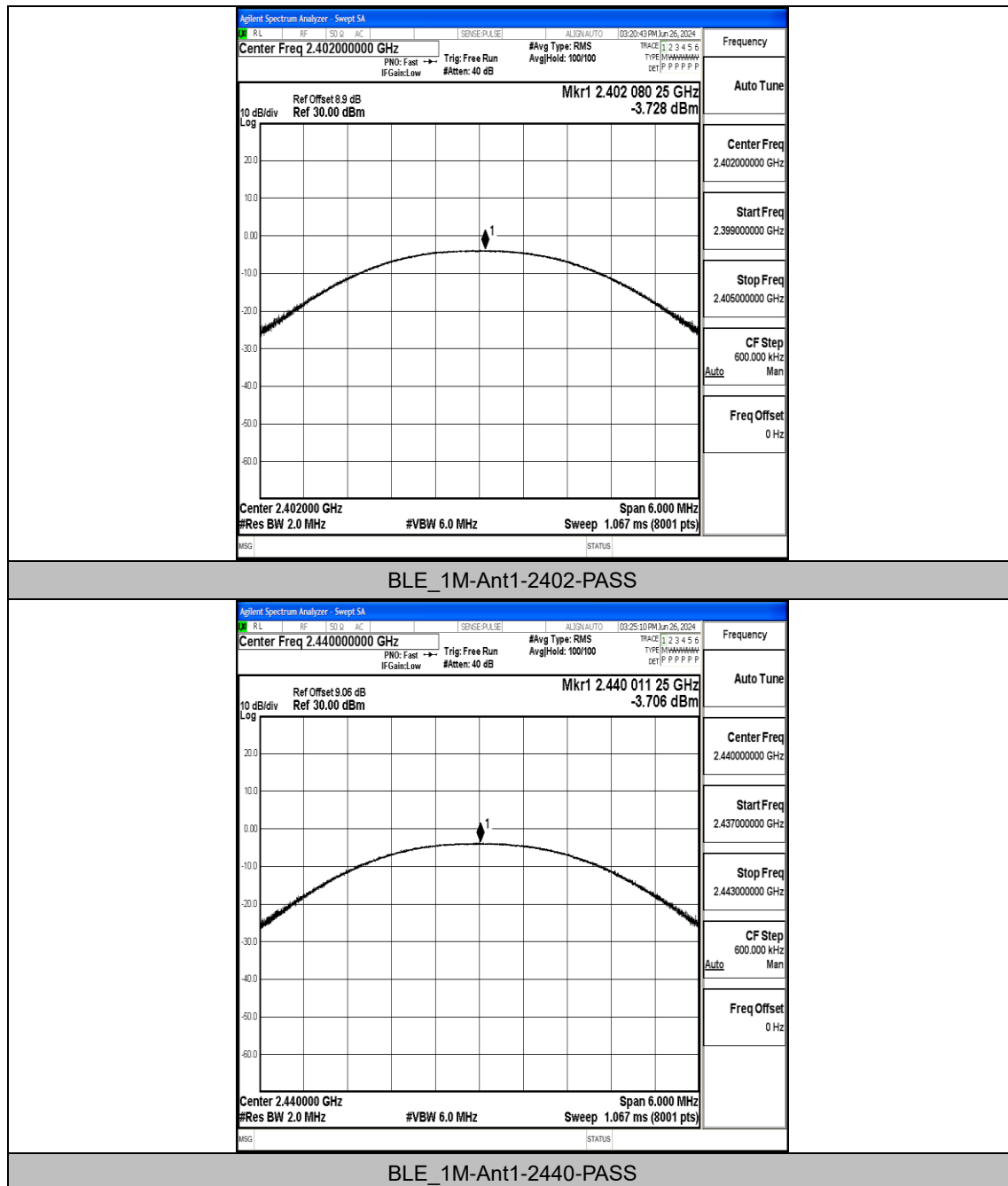


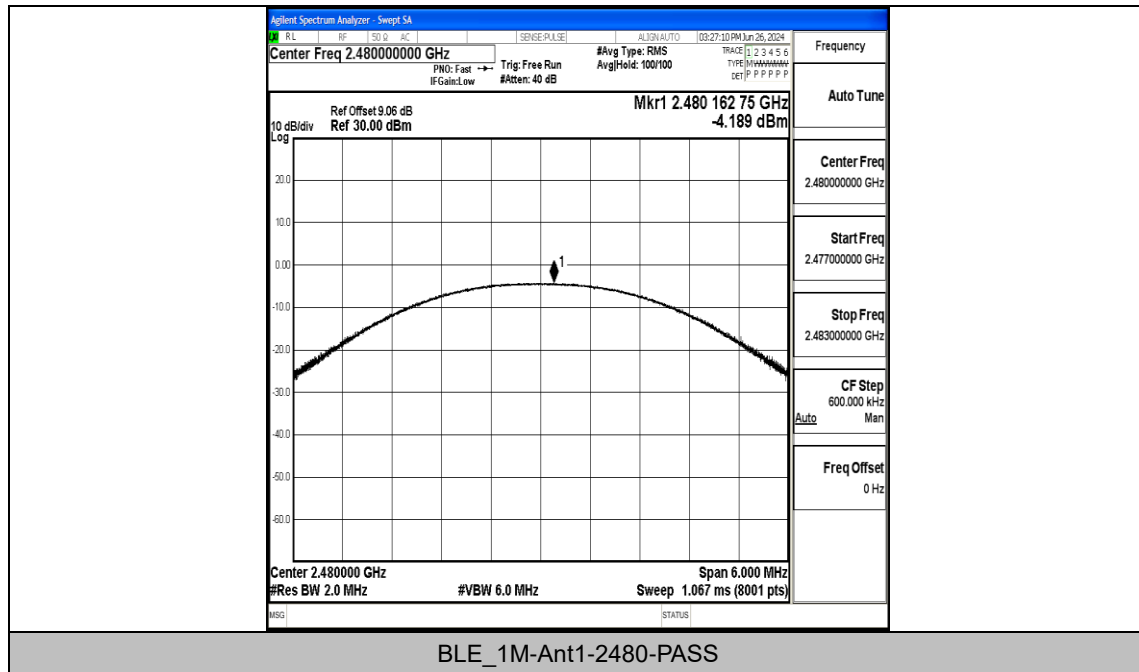
Appendix C: Maximum peak conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.73	≤30	PASS
BLE_1M	Ant1	2440	-3.71	≤30	PASS
BLE_1M	Ant1	2480	-4.19	≤30	PASS

Test Graphs Peak



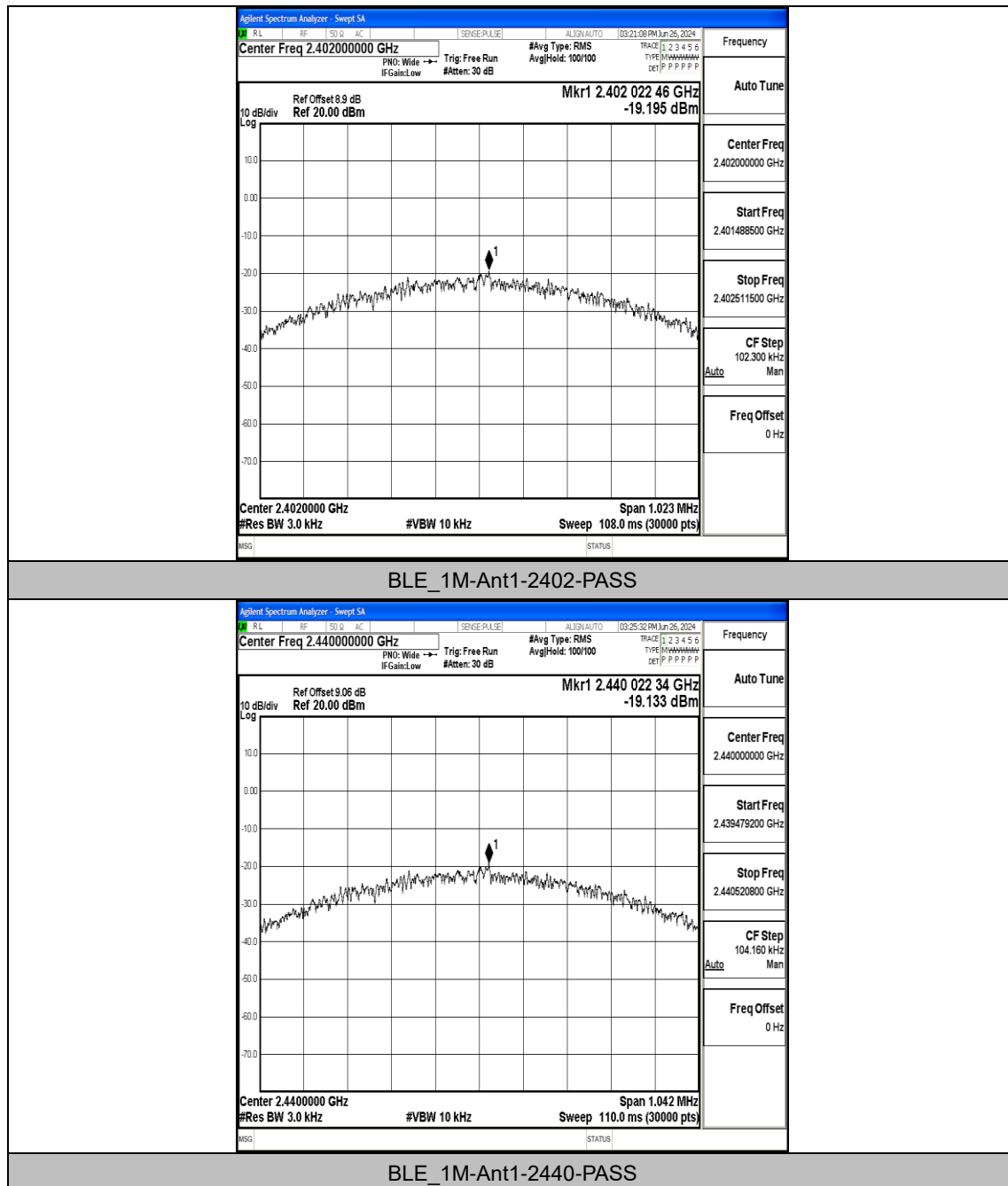


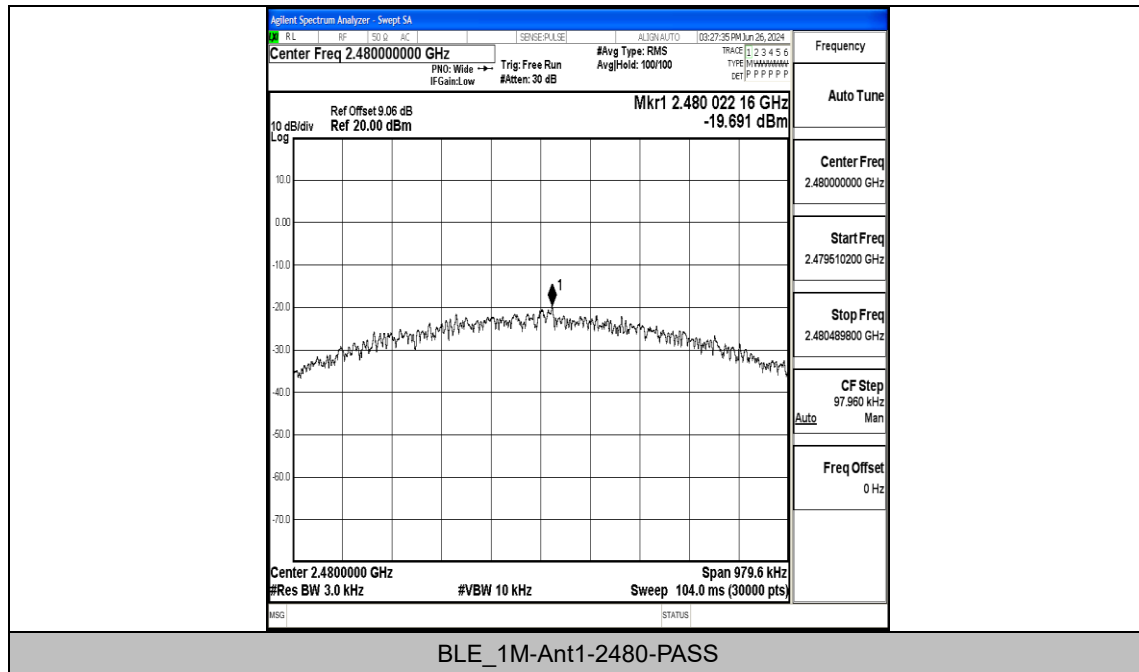
Appendix D: Maximum peak power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.20	≤8.00	PASS
BLE_1M	Ant1	2440	-19.13	≤8.00	PASS
BLE_1M	Ant1	2480	-19.69	≤8.00	PASS

Test Graphs



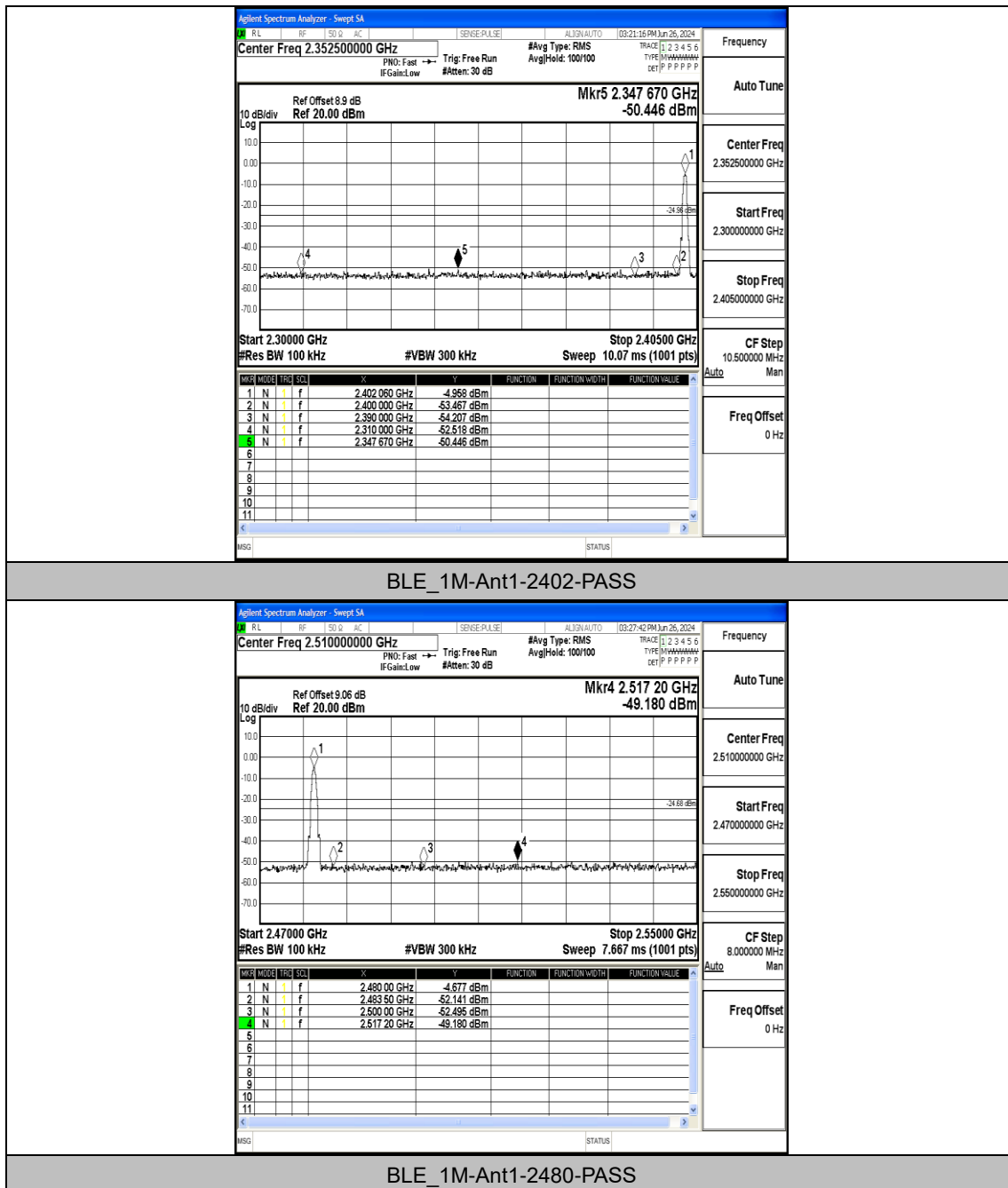


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.96	-50.45	≤-24.96	PASS
BLE_1M	Ant1	High	2480	-4.68	-49.18	≤-24.68	PASS

Test Graphs

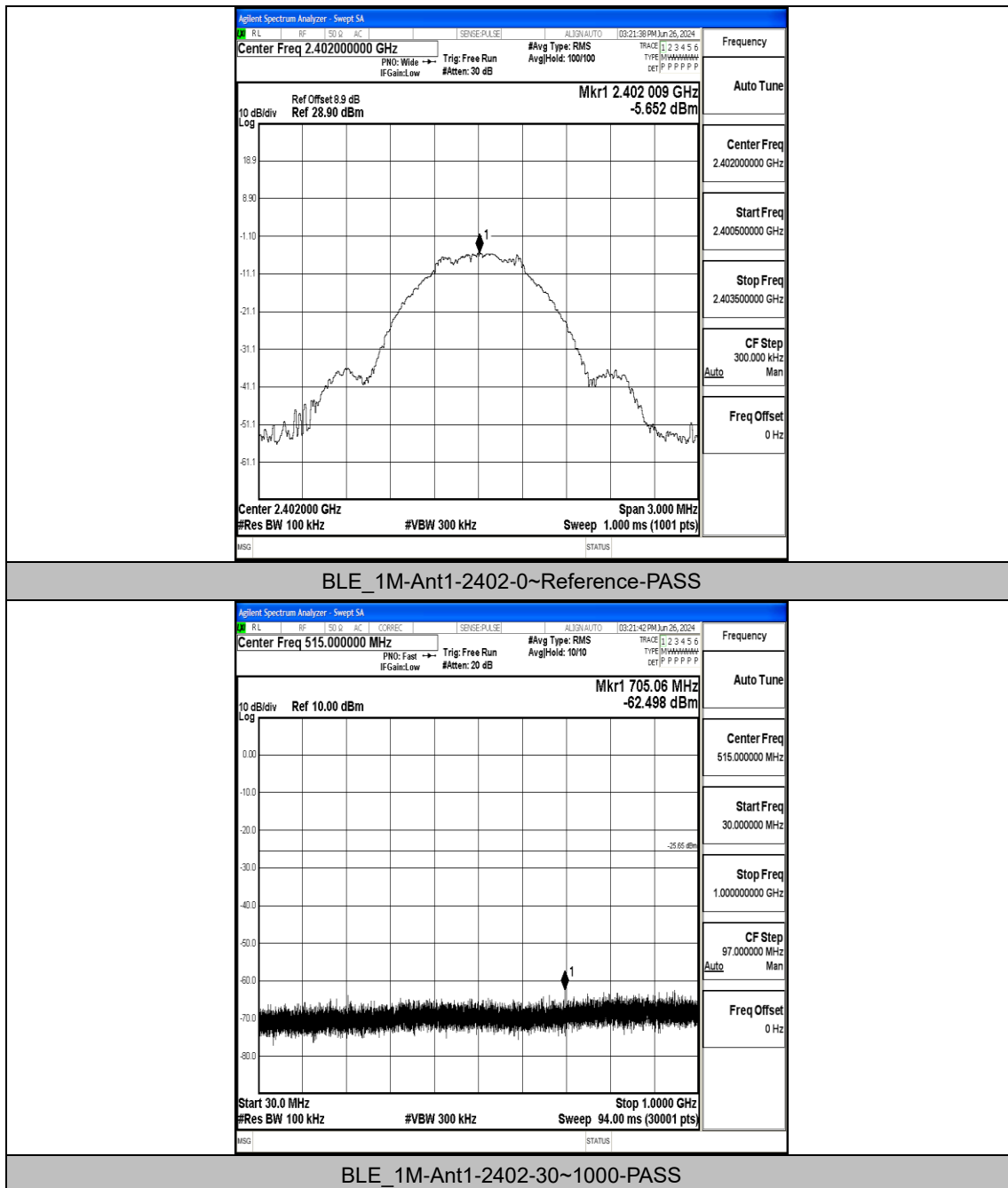


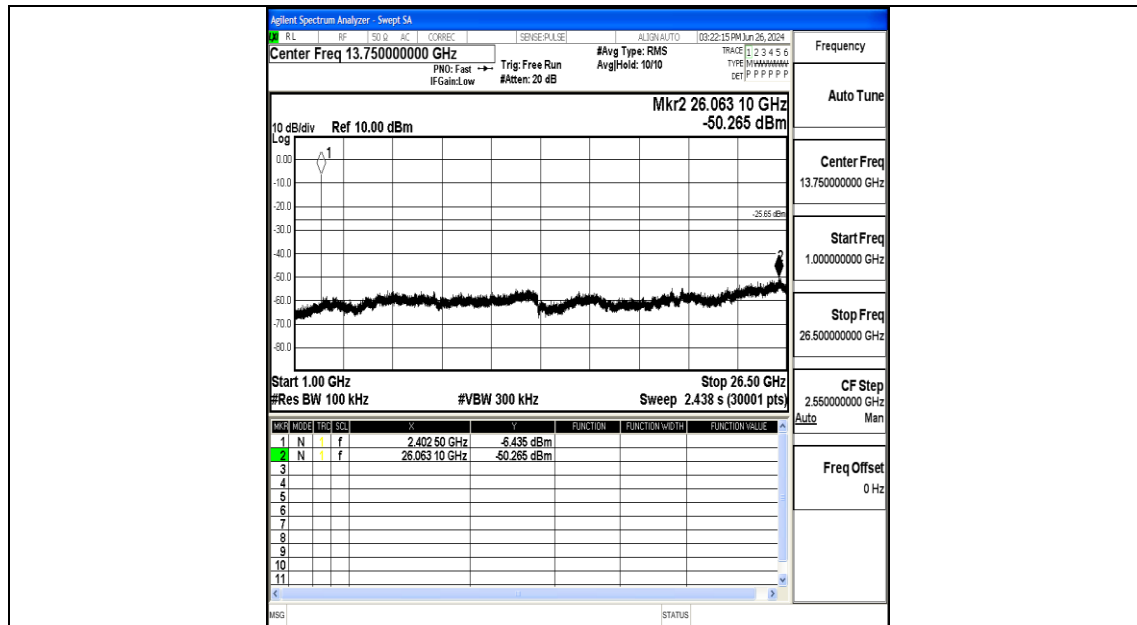
Appendix F: Conducted Spurious Emission

Test Result

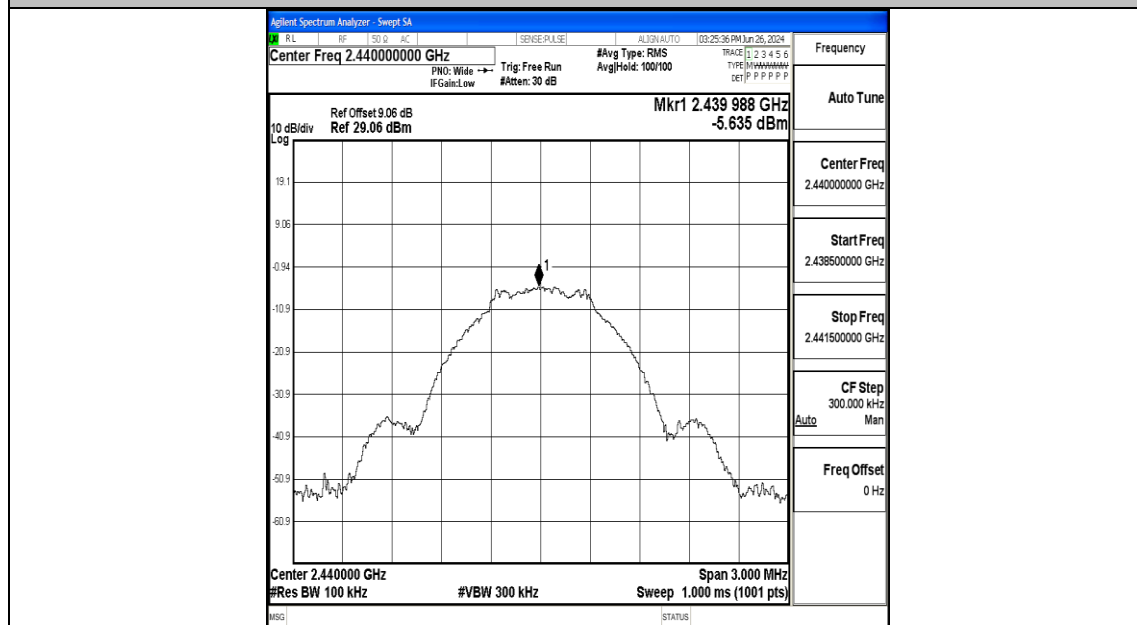
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-5.65	-5.65	---	PASS
BLE_1M	Ant1	2402	30~1000	-5.65	-62.5	≤-25.65	PASS
BLE_1M	Ant1	2402	1000~26500	-5.65	-50.27	≤-25.65	PASS
BLE_1M	Ant1	2440	0~Reference	-5.64	-5.64	---	PASS
BLE_1M	Ant1	2440	30~1000	-5.64	-62.31	≤-25.64	PASS
BLE_1M	Ant1	2440	1000~26500	-5.64	-49.38	≤-25.64	PASS
BLE_1M	Ant1	2480	0~Reference	-4.61	-4.61	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.61	-63.21	≤-24.61	PASS
BLE_1M	Ant1	2480	1000~26500	-4.61	-50.97	≤-24.61	PASS

Test Graphs

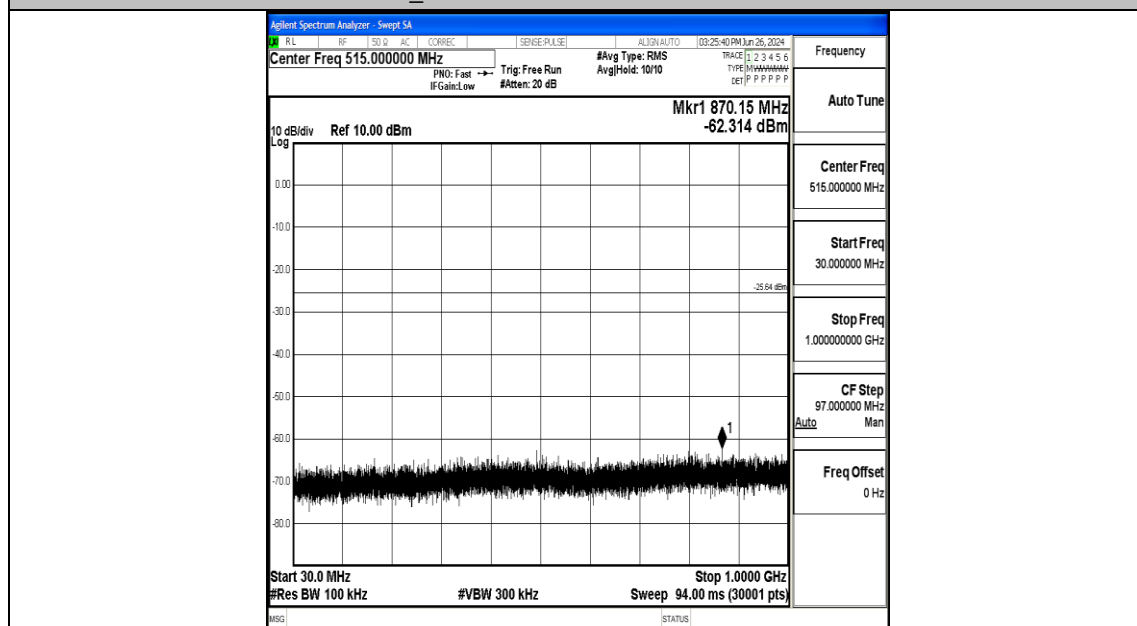




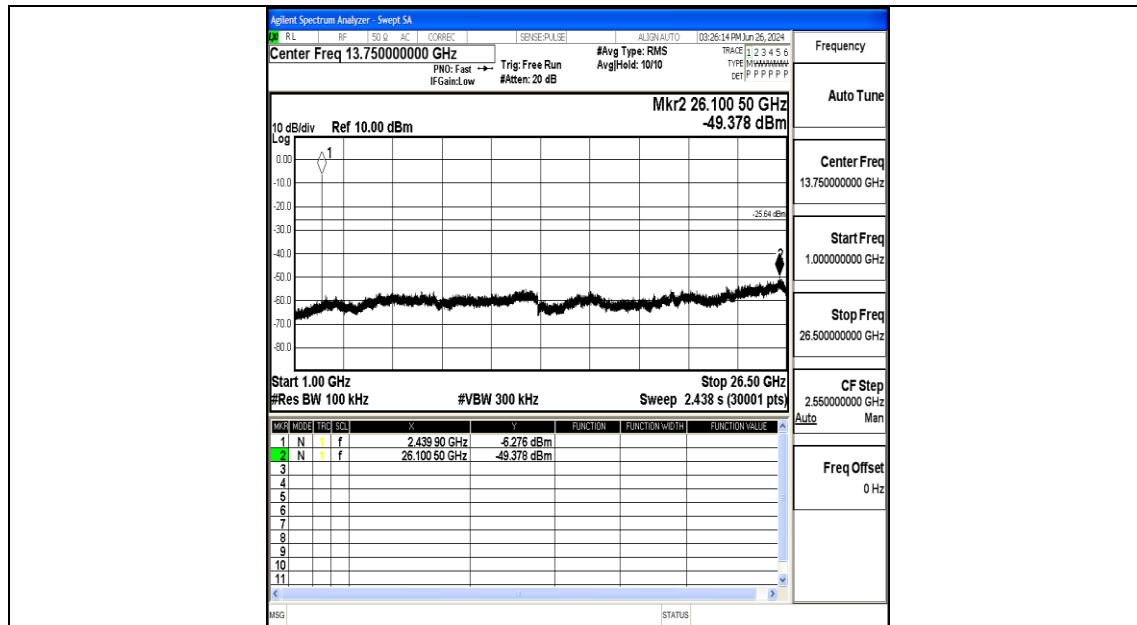
BLE_1M-Ant1-2402-1000~26500-PASS



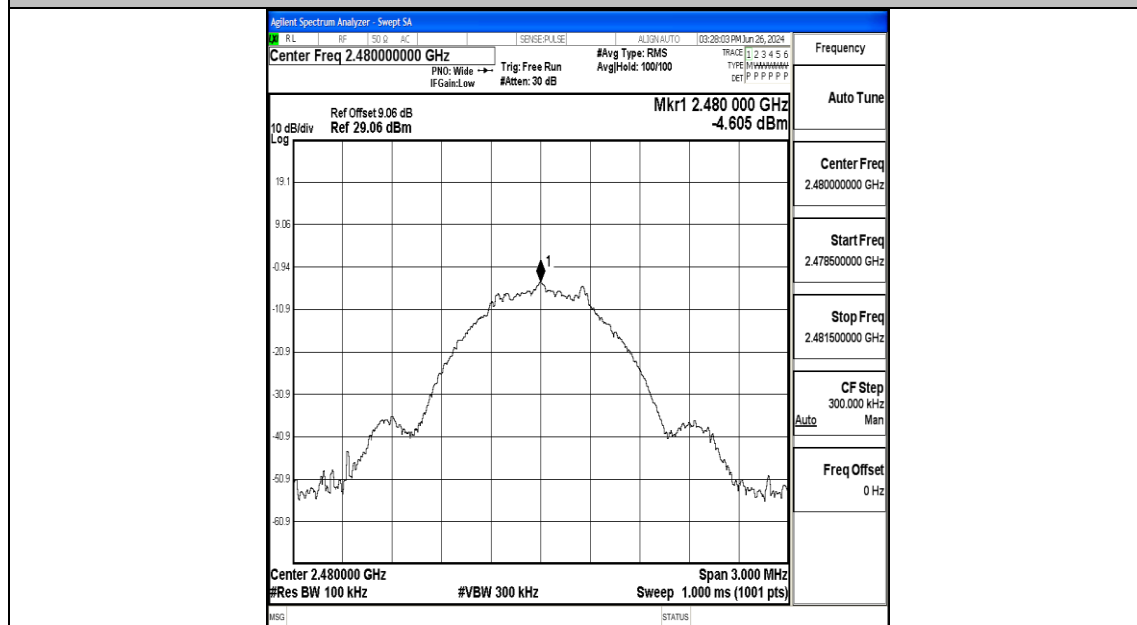
BLE_1M-Ant1-2440-0~Reference-PASS



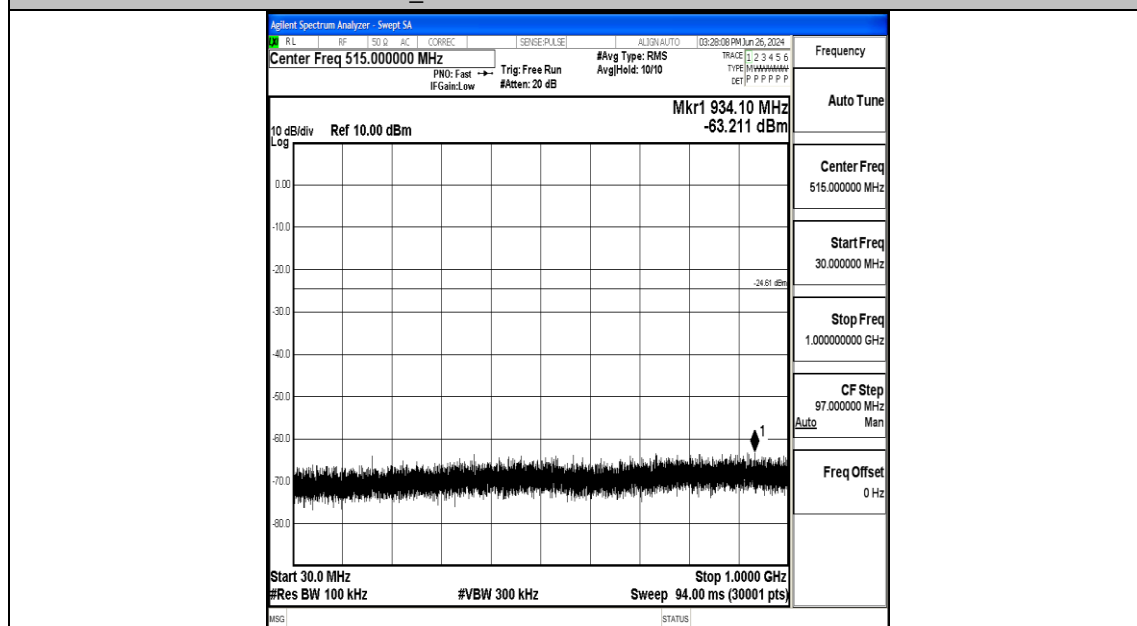
BLE_1M-Ant1-2440-30~1000-PASS



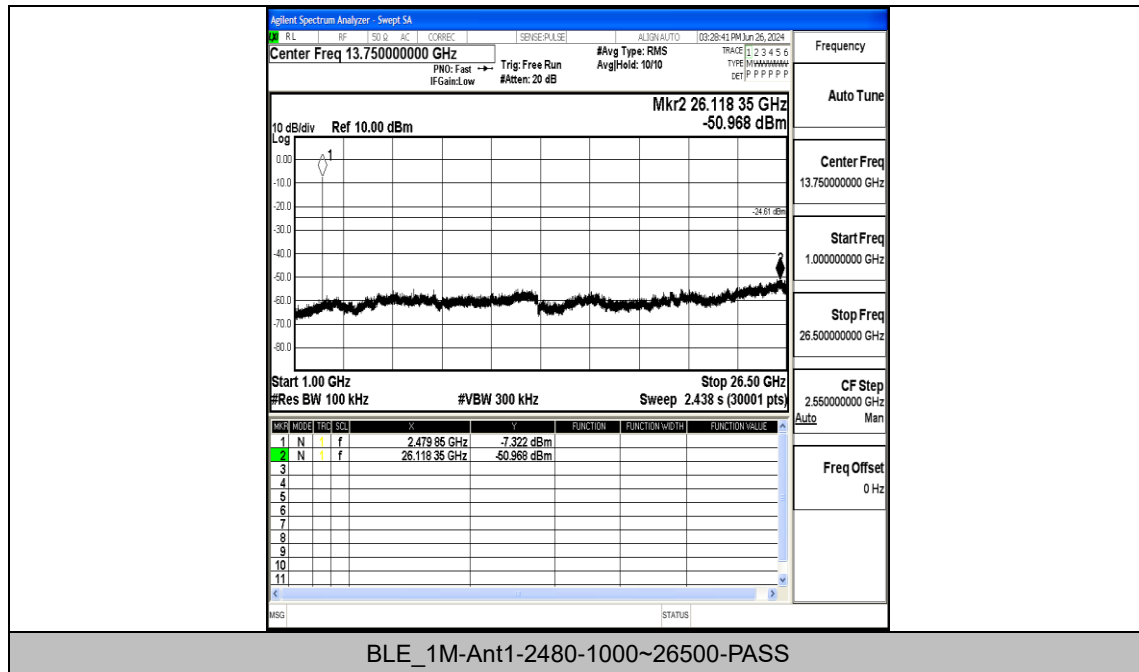
BLE_1M-Ant1-2440-1000~26500-PASS



BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



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	2.09	2.50	83.60	0.78
BLE_1M	Ant1	2440	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2480	2.10	2.50	84.00	0.76

Test Graphs

