

Appendix Test Data for BLE (Conducted Measurement)

Product Name: Wireless Mouse

Trade Mark: Lemokey, Keychron

Test Model: G1

FCC ID: 2BGKB-G1

Environmental Conditions

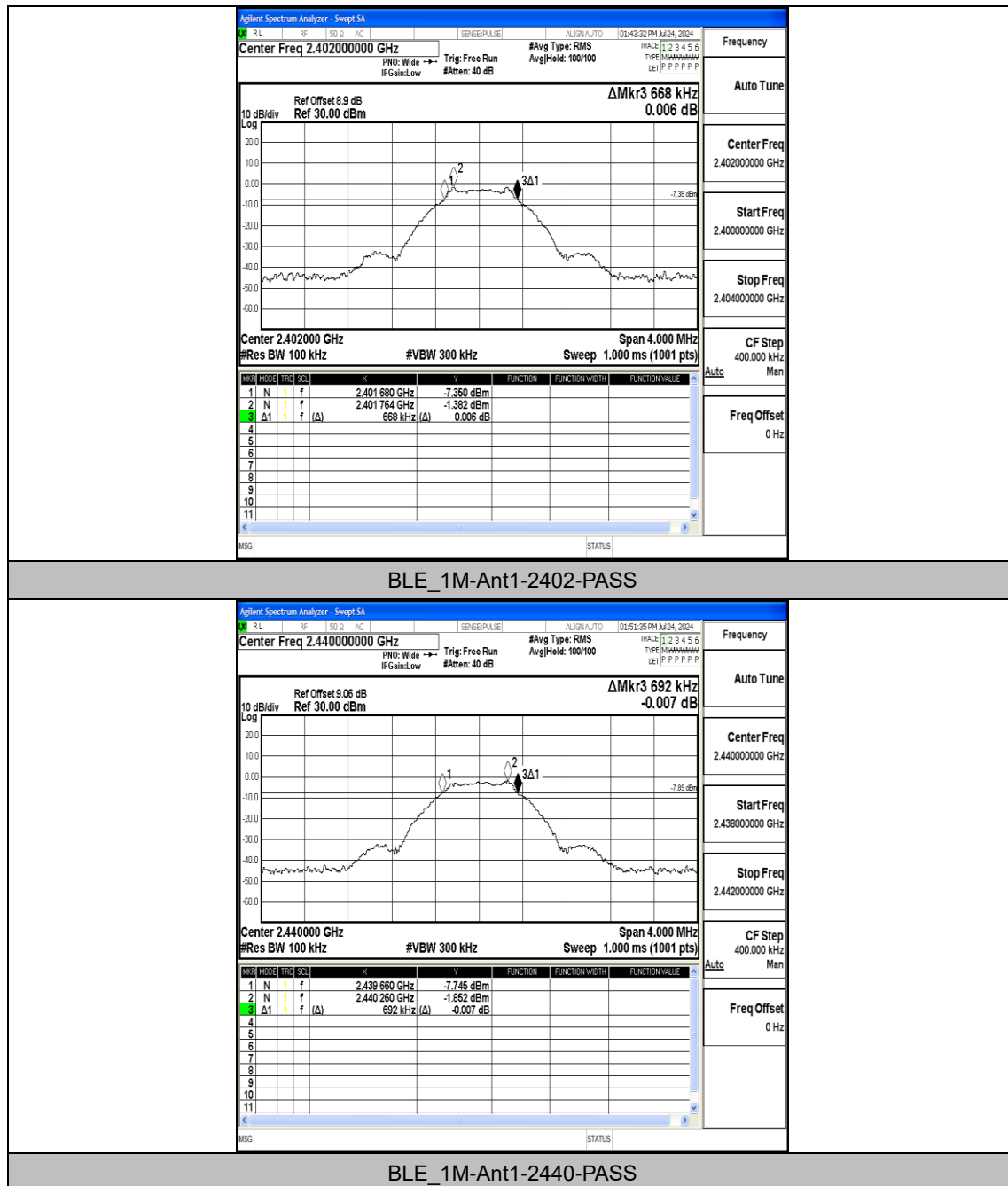
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

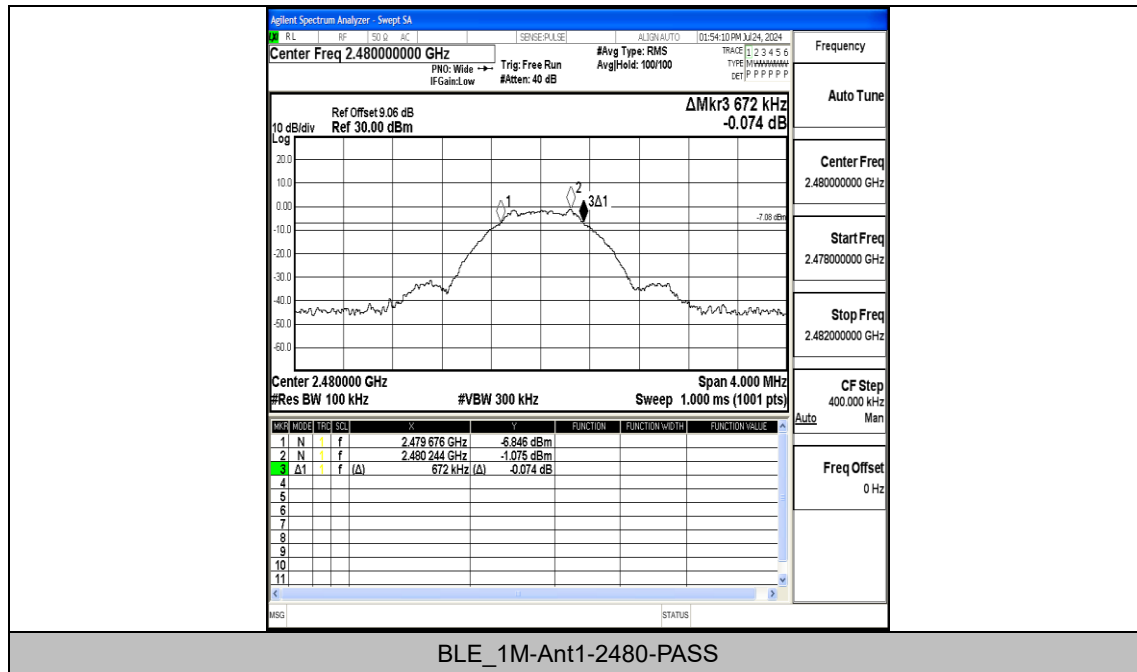
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.680	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.692	2439.660	2440.352	0.5	PASS
BLE_1M	Ant1	2480	0.672	2479.676	2480.348	0.5	PASS

Test Graphs



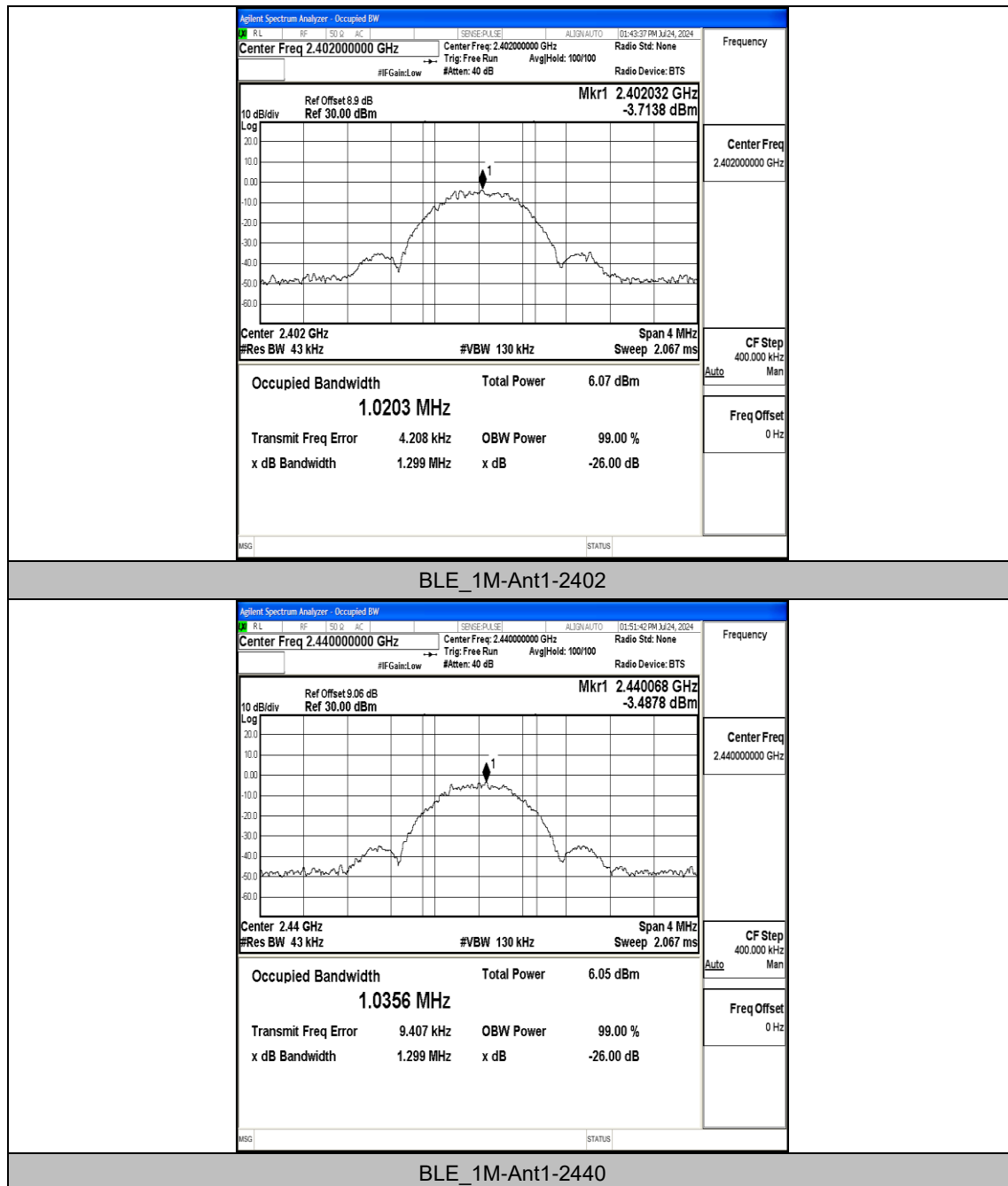


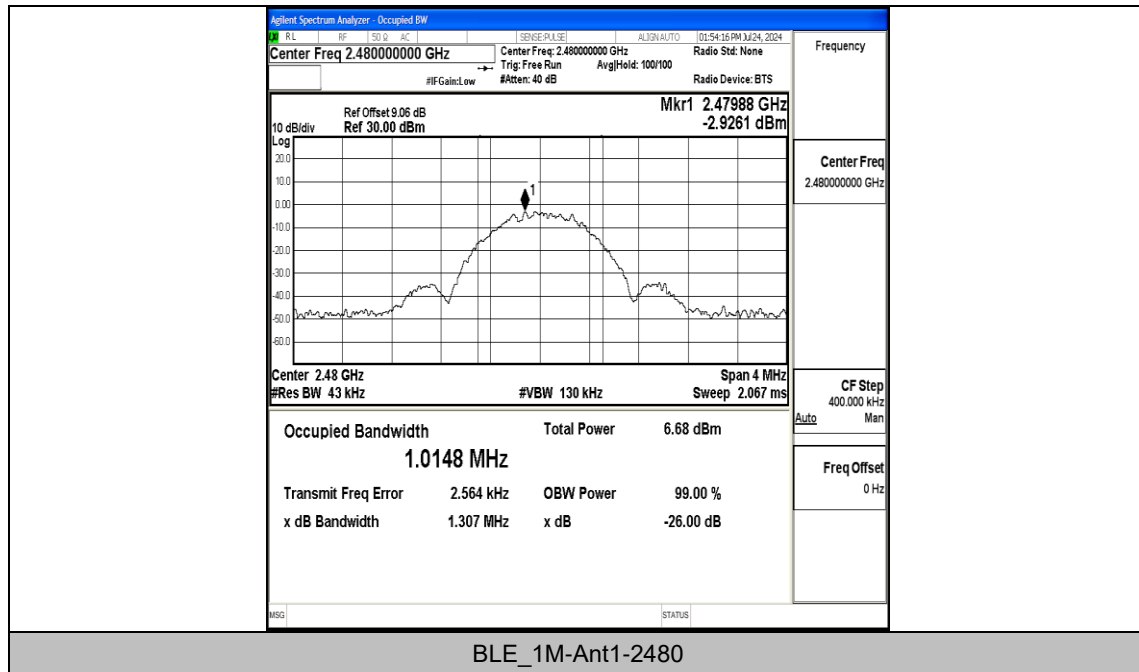
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0203	2401.4941	2402.5144	---	---
BLE_1M	Ant1	2440	1.0356	2439.4916	2440.5272	---	---
BLE_1M	Ant1	2480	1.0148	2479.4952	2480.5100	---	---

Test Graphs



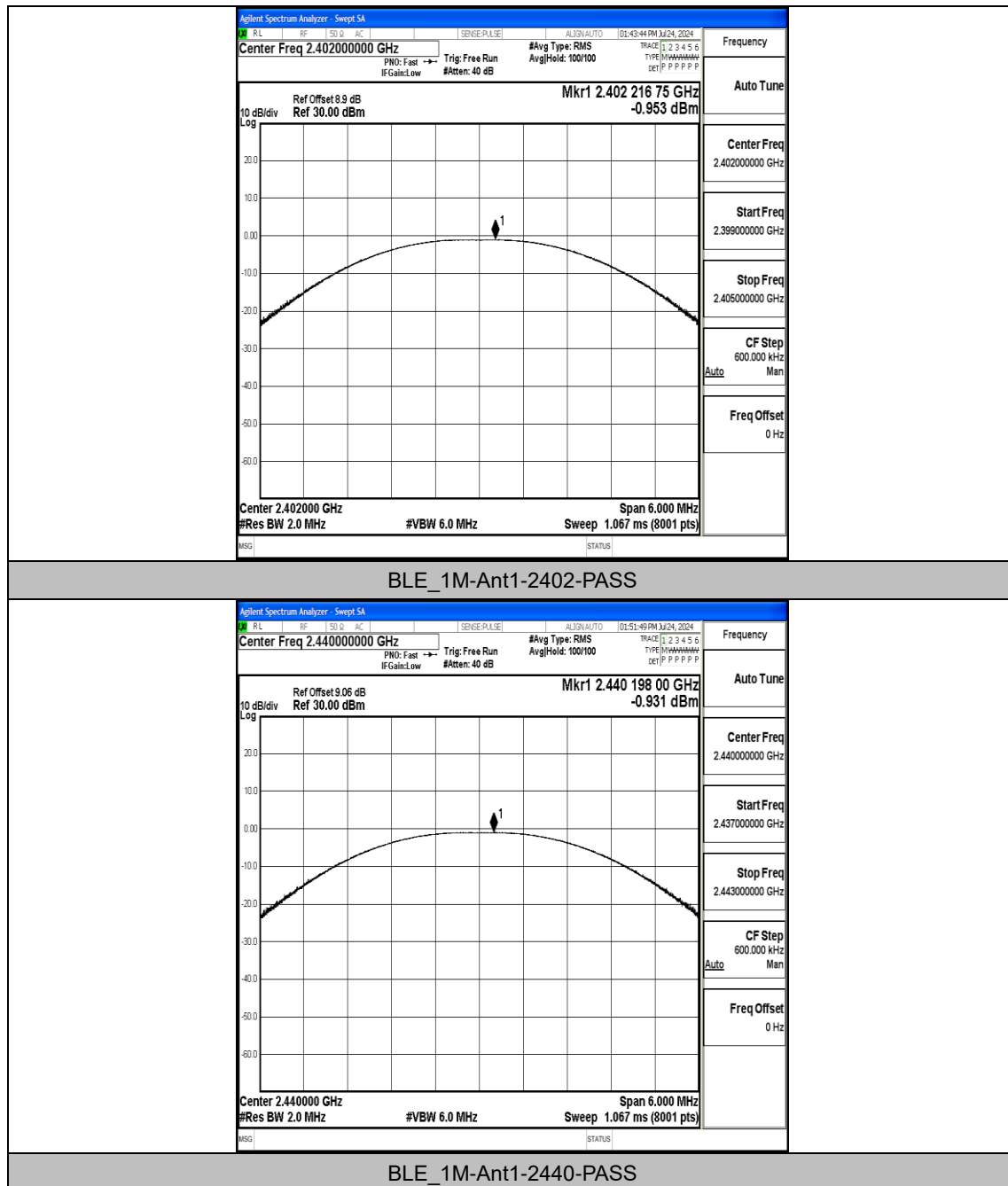


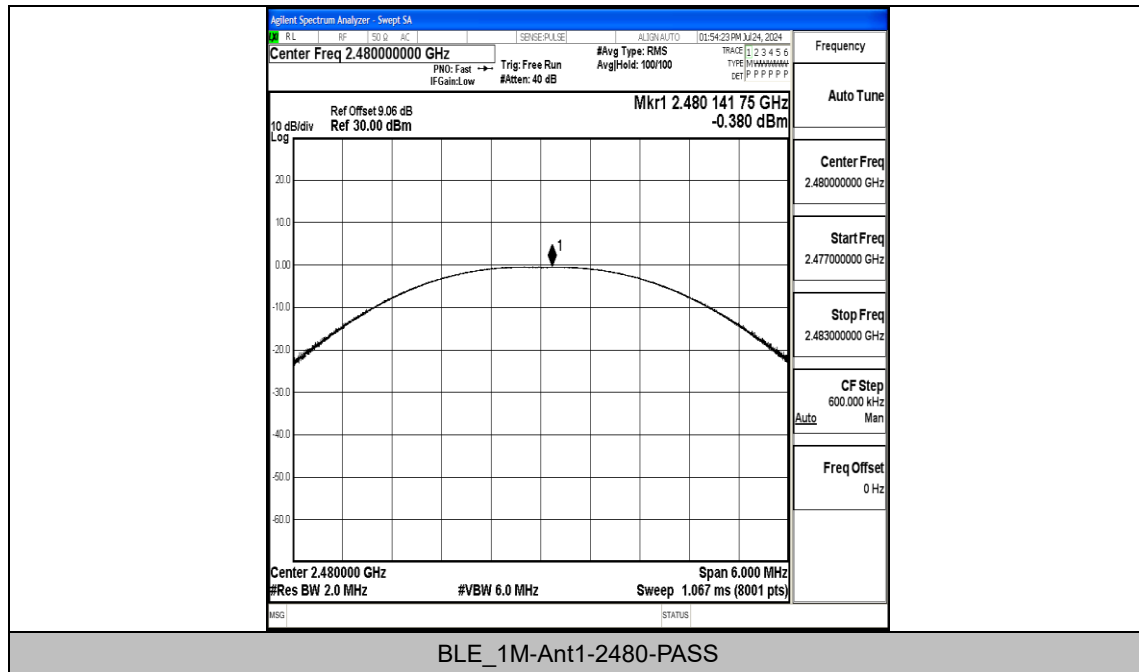
Appendix C: Maximum peak conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.95	≤30	PASS
BLE_1M	Ant1	2440	-0.93	≤30	PASS
BLE_1M	Ant1	2480	-0.38	≤30	PASS

Test Graphs Peak



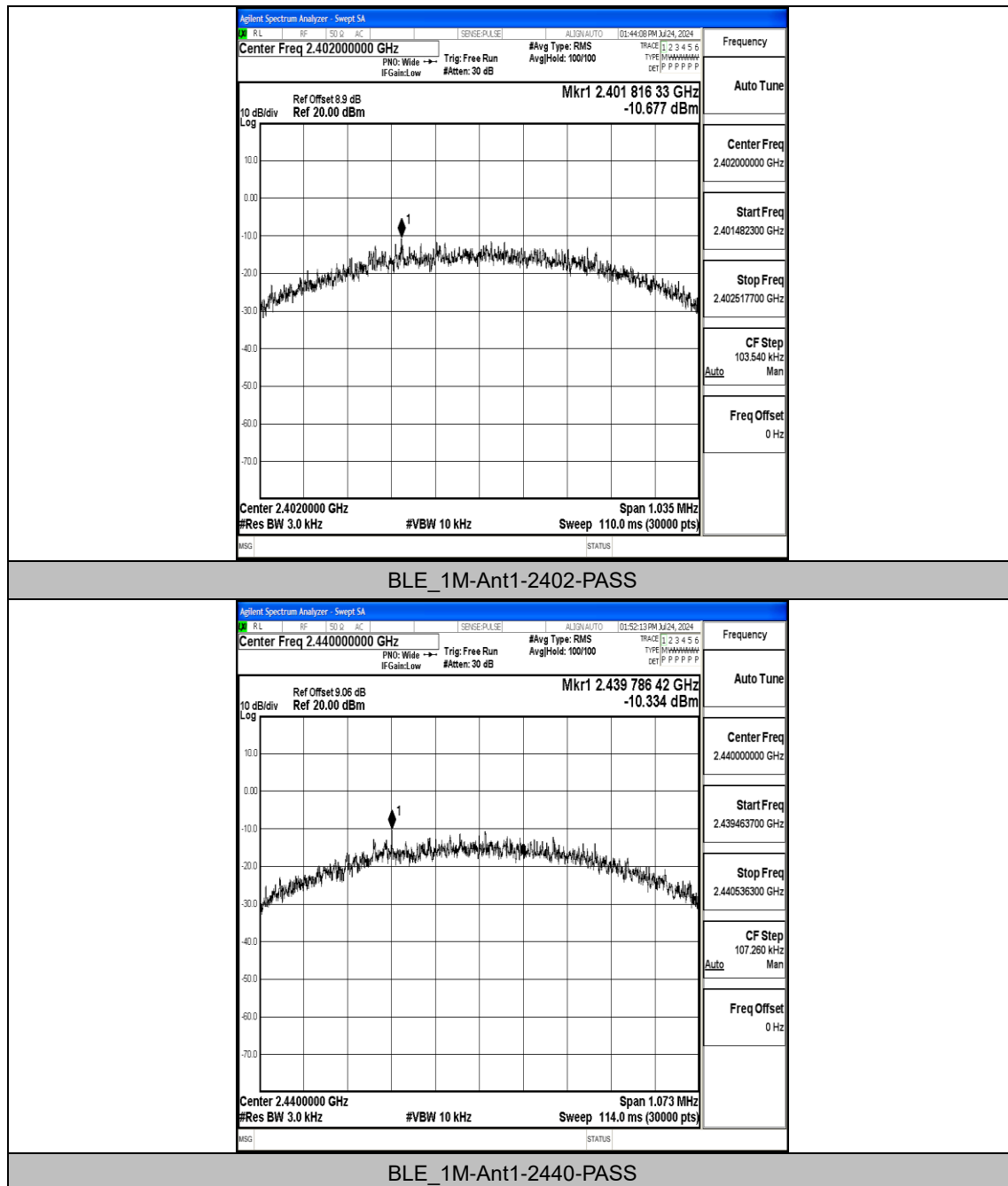


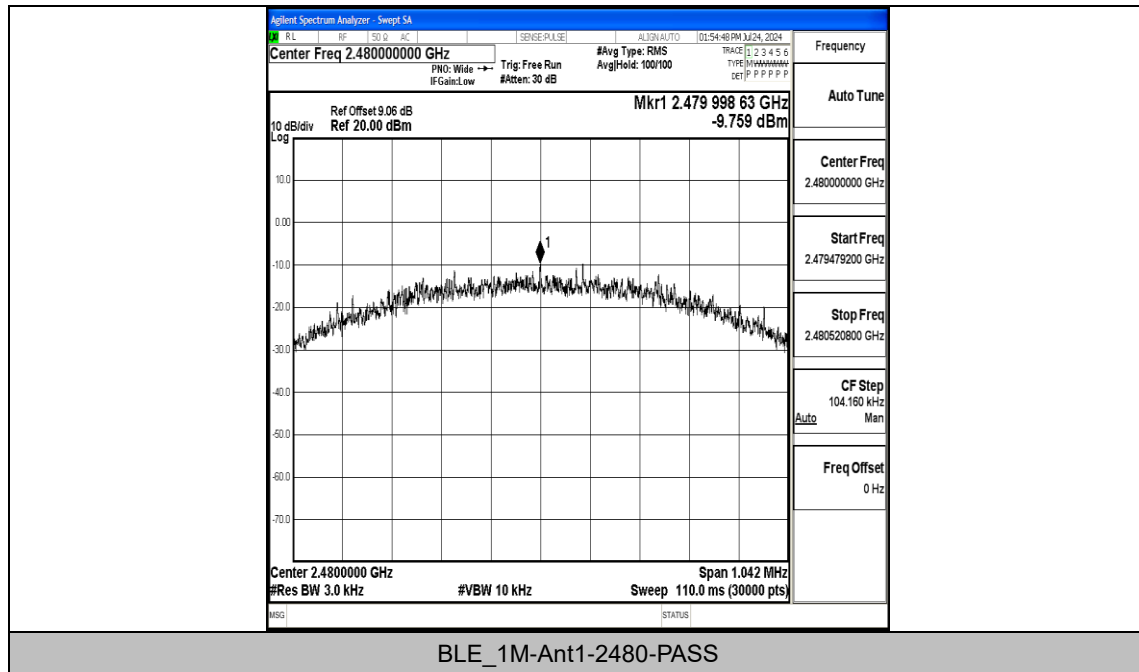
Appendix D: Maximum peak power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.68	≤8.00	PASS
BLE_1M	Ant1	2440	-10.33	≤8.00	PASS
BLE_1M	Ant1	2480	-9.76	≤8.00	PASS

Test Graphs



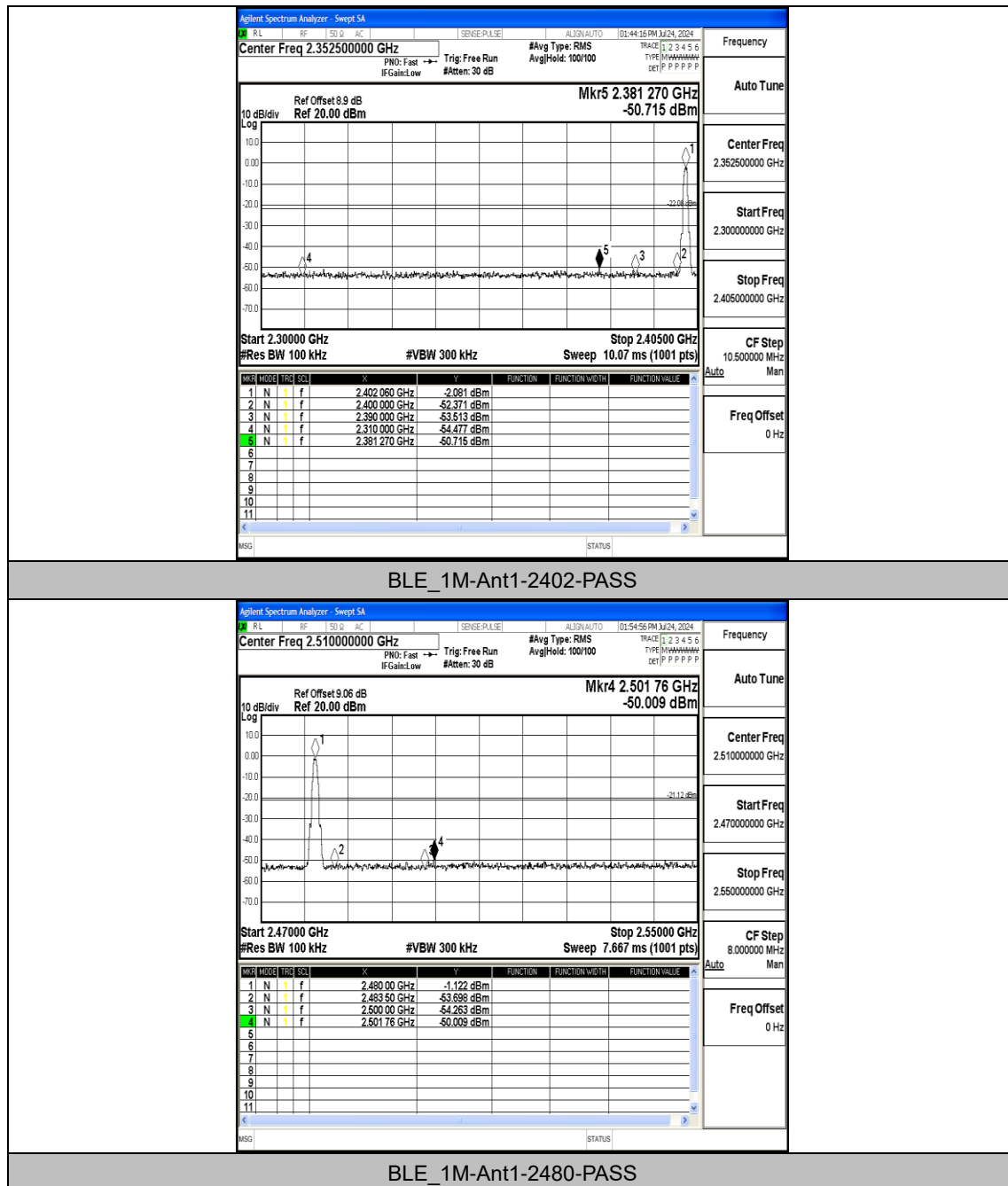


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.08	-50.72	≤-22.08	PASS
BLE_1M	Ant1	High	2480	-1.12	-50.01	≤-21.12	PASS

Test Graphs

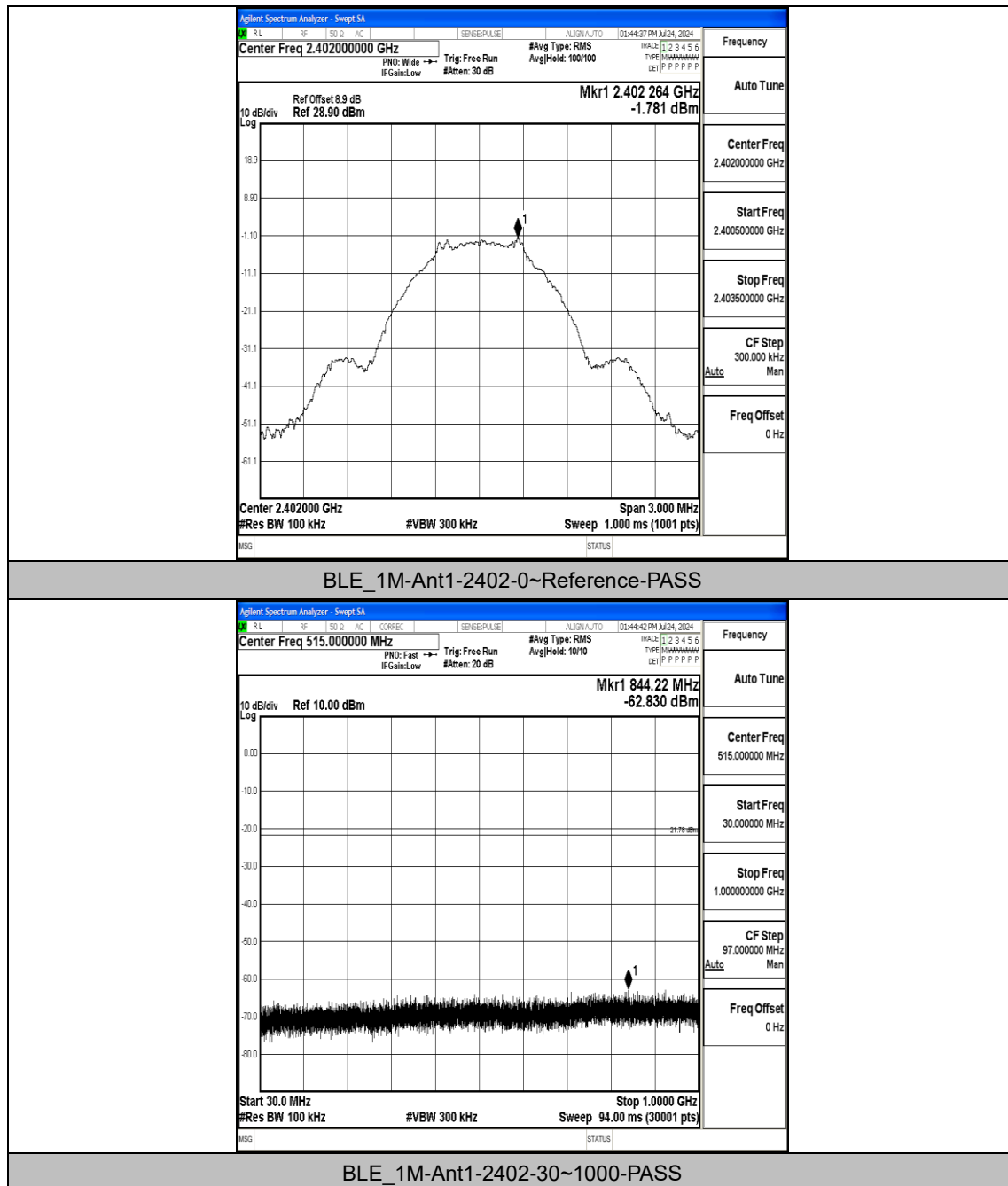


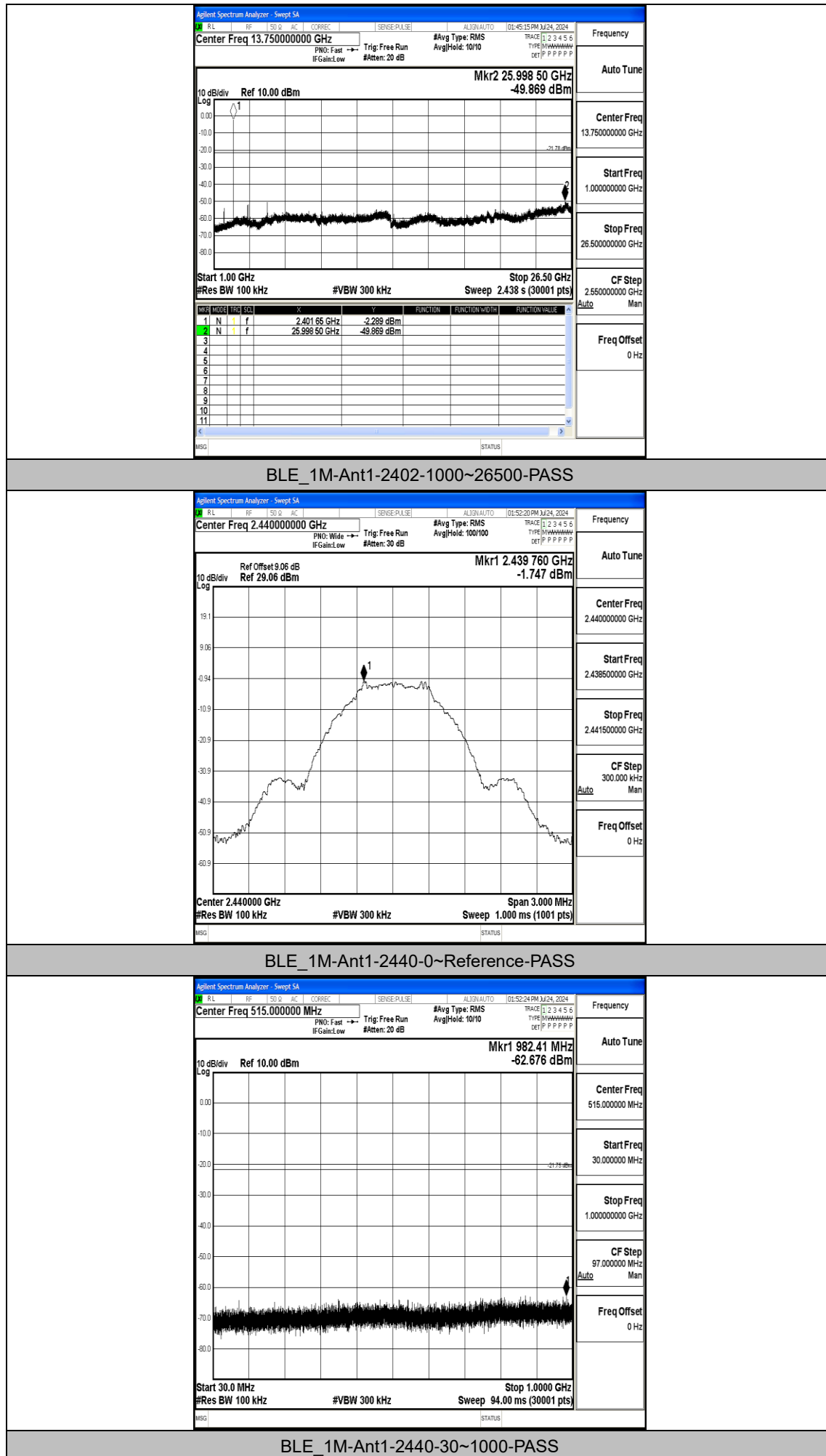
Appendix F: Conducted Spurious Emission

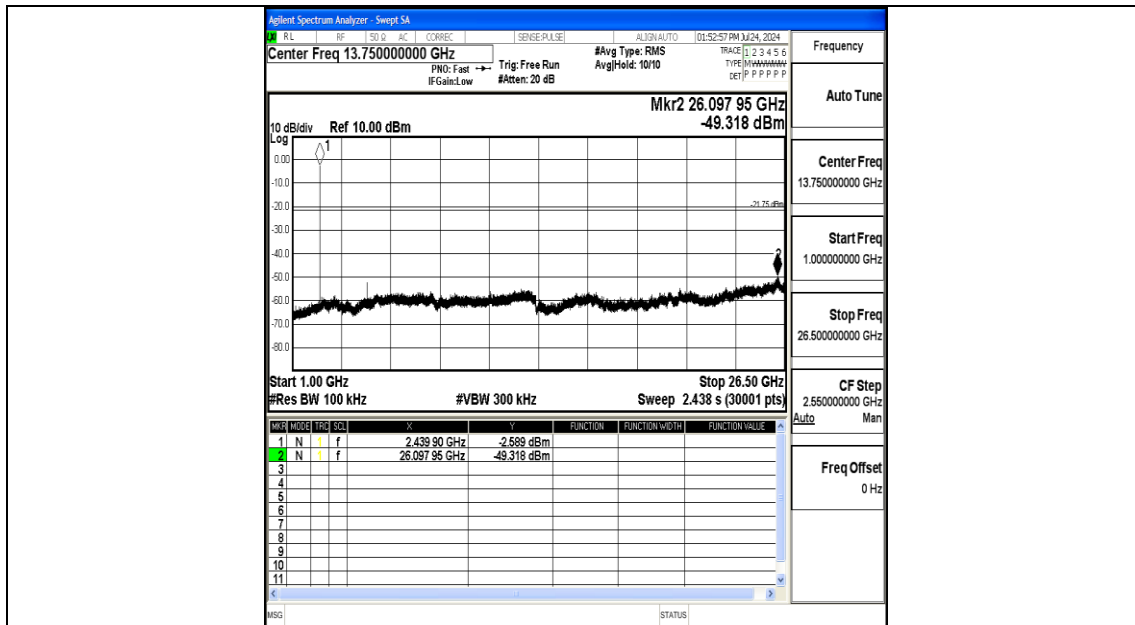
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.78	-1.78	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.78	-62.83	≤-21.78	PASS
BLE_1M	Ant1	2402	1000~26500	-1.78	-49.87	≤-21.78	PASS
BLE_1M	Ant1	2440	0~Reference	-1.75	-1.75	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.75	-62.68	≤-21.75	PASS
BLE_1M	Ant1	2440	1000~26500	-1.75	-49.32	≤-21.75	PASS
BLE_1M	Ant1	2480	0~Reference	-0.91	-0.91	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.91	-63.01	≤-20.91	PASS
BLE_1M	Ant1	2480	1000~26500	-0.91	-49.75	≤-20.91	PASS

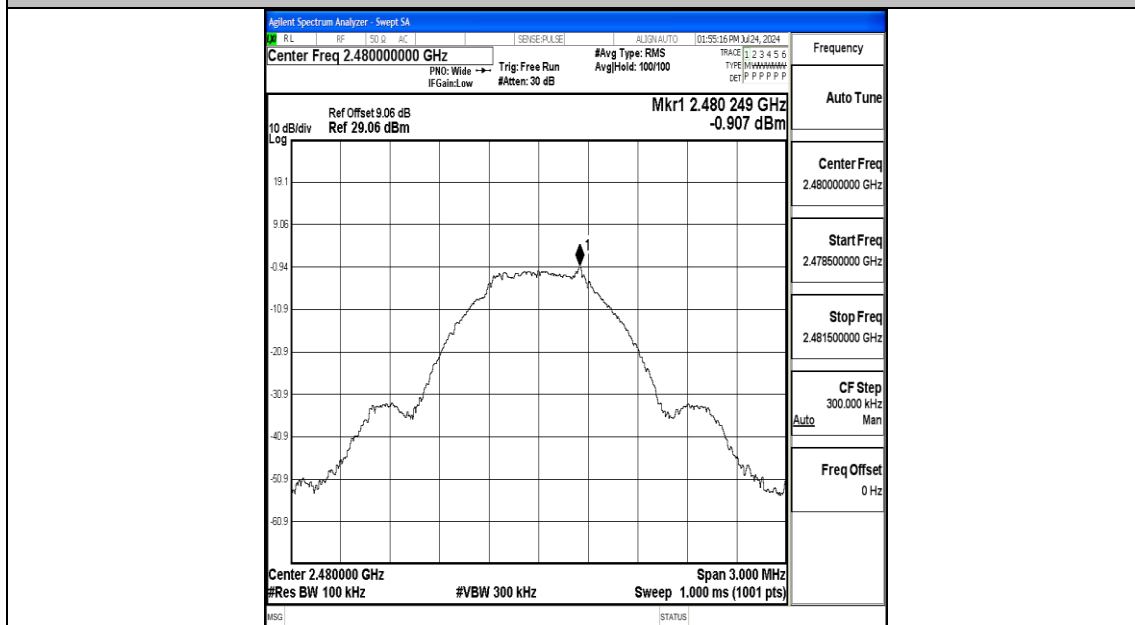
Test Graphs



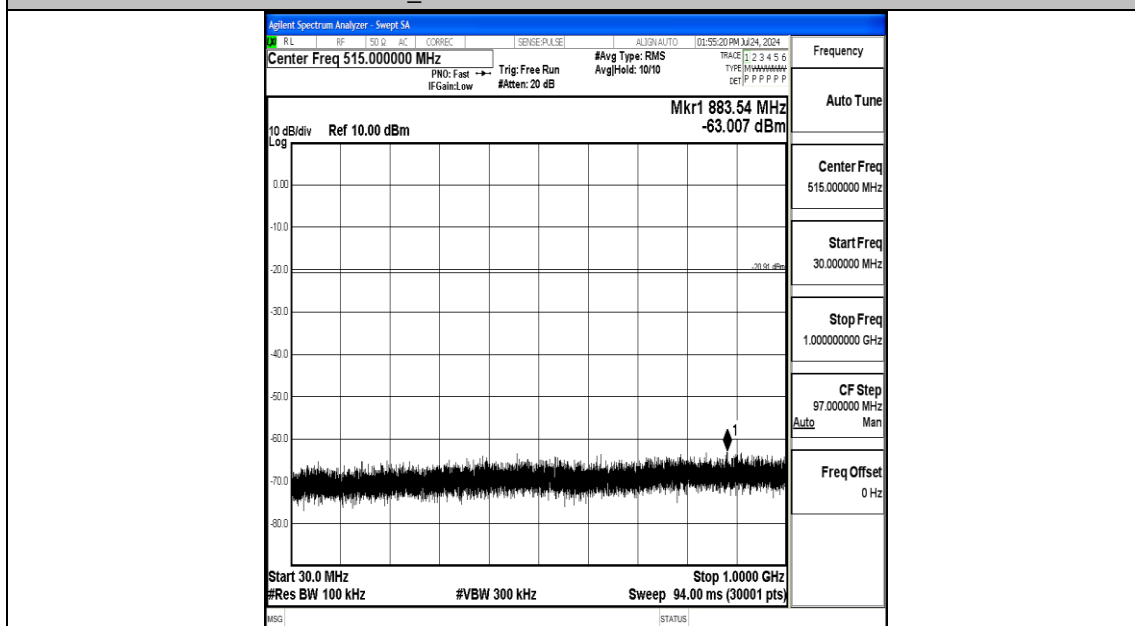




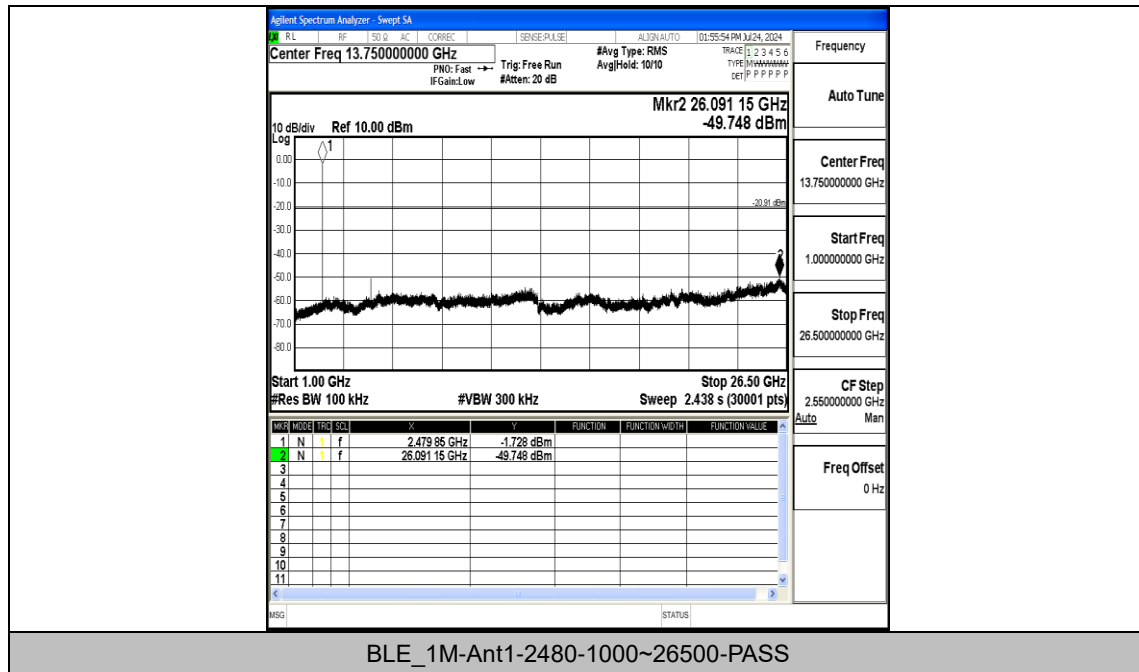
BLE_1M-Ant1-2440-1000~26500-PASS



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	19.00	19.00	100.00	0.00
BLE_1M	Ant1	2440	19.00	19.00	100.00	0.00
BLE_1M	Ant1	2480	19.00	19.00	100.00	0.00

Test Graphs

