

Appendix Test Data for BLE (Conducted Measurement)

Product Name: Remote control

Trade Mark: N/A

Test Model: C13

FCC ID: 2ASXW-C13

Environmental Conditions

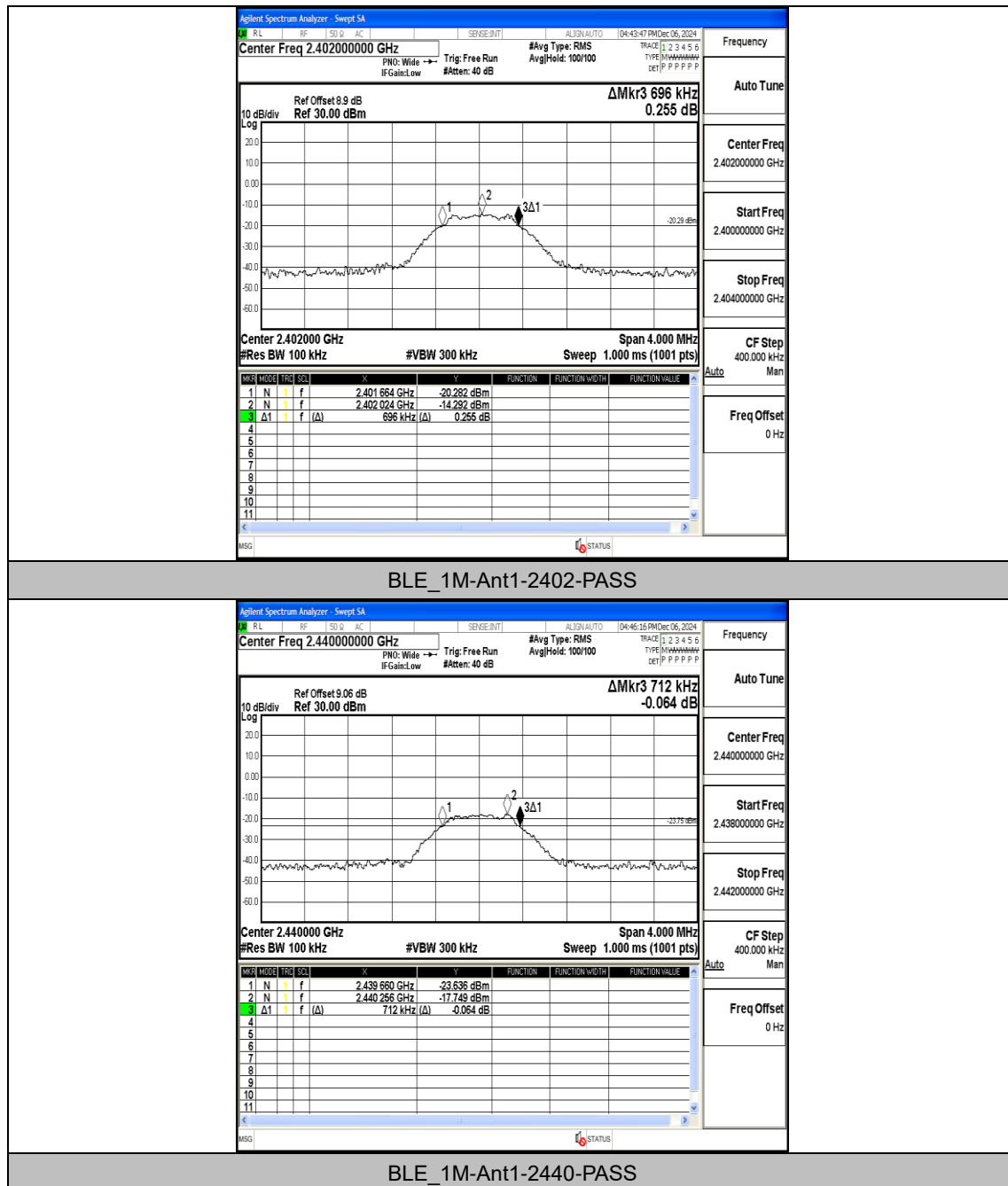
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

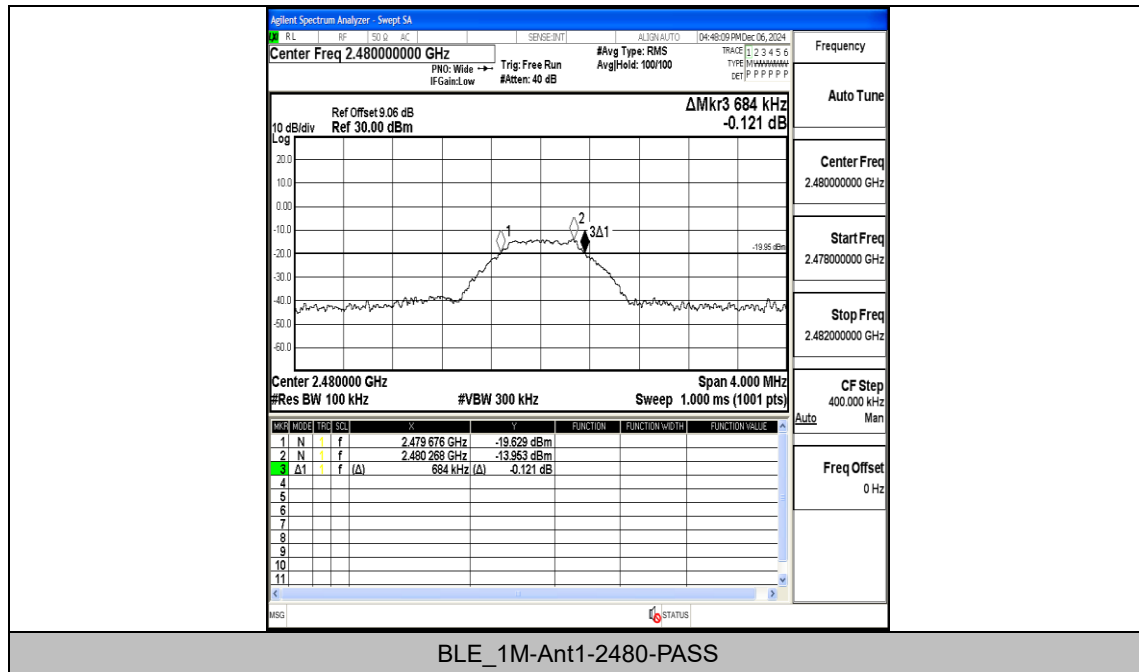
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.664	2402.360	0.5	PASS
BLE_1M	Ant1	2440	0.712	2439.660	2440.372	0.5	PASS
BLE_1M	Ant1	2480	0.684	2479.676	2480.360	0.5	PASS

Test Graphs



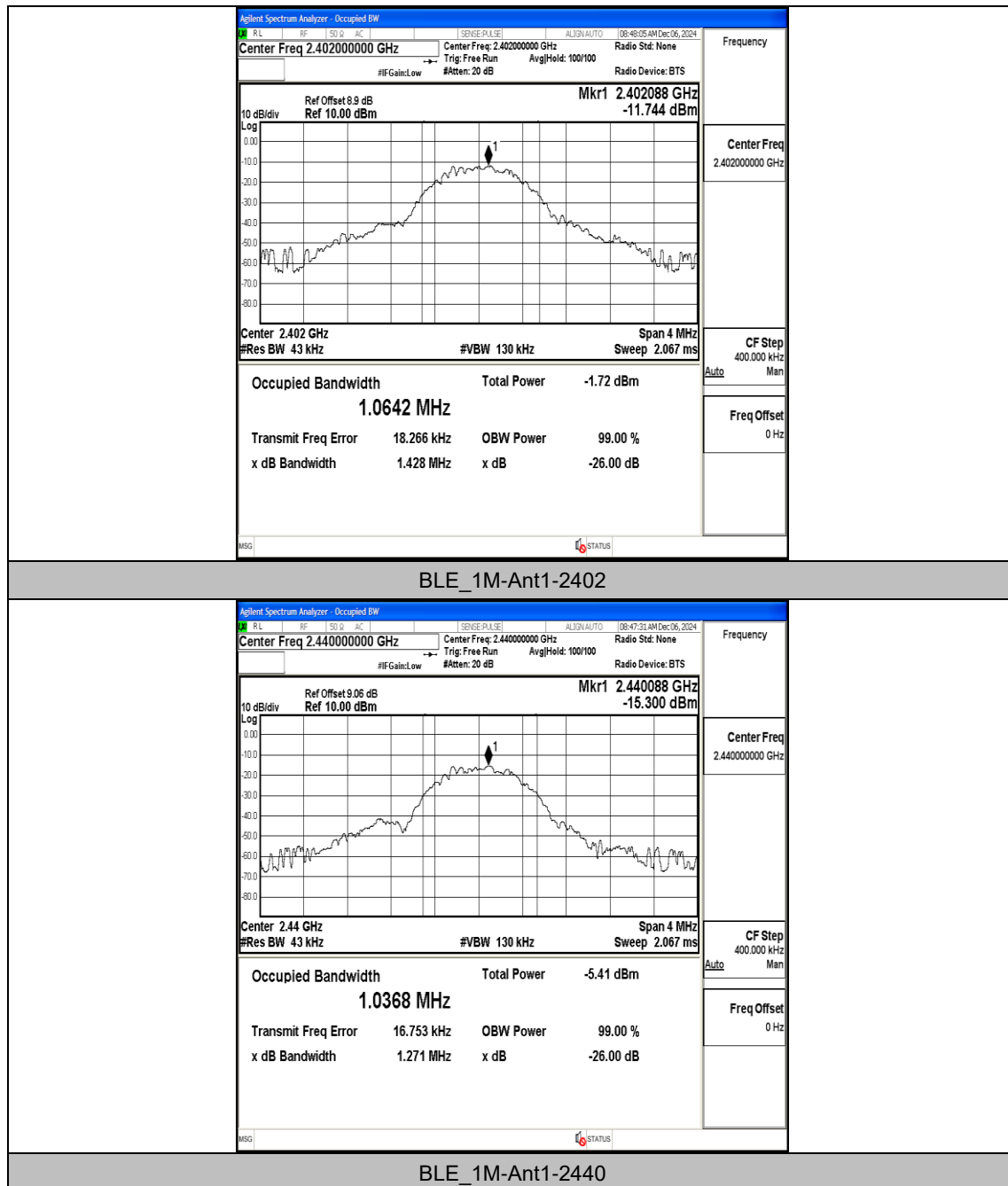


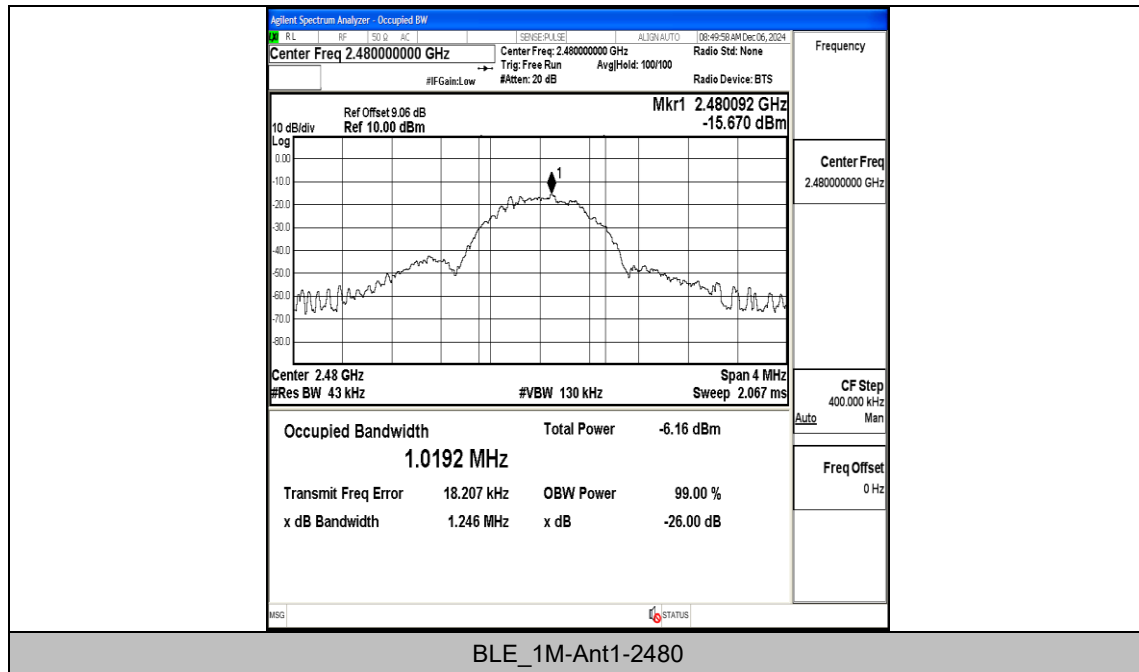
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0642	2401.4862	2402.5504	---	---
BLE_1M	Ant1	2440	1.0368	2439.4984	2440.5352	---	---
BLE_1M	Ant1	2480	1.0192	2479.5086	2480.5278	---	---

Test Graphs



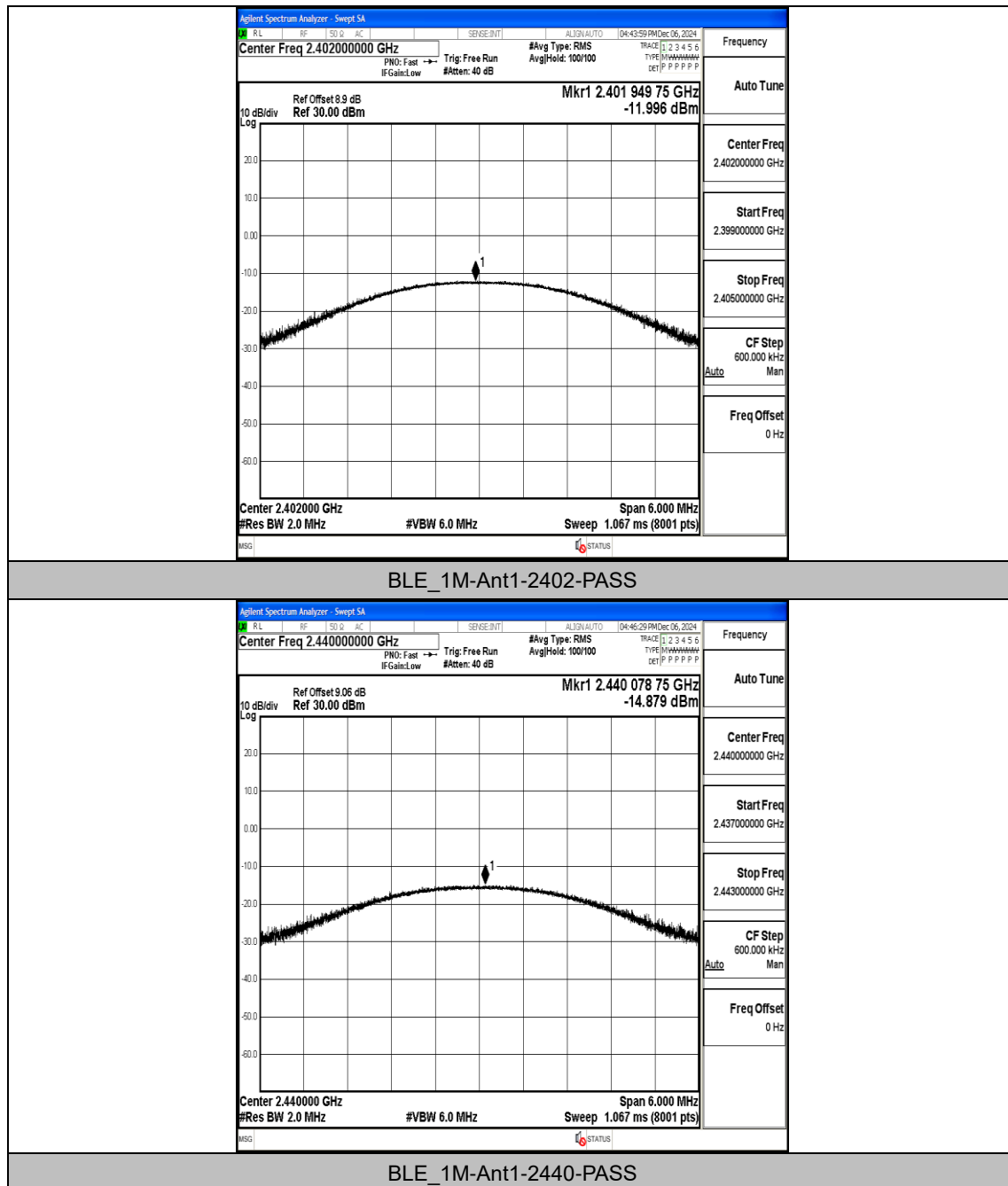


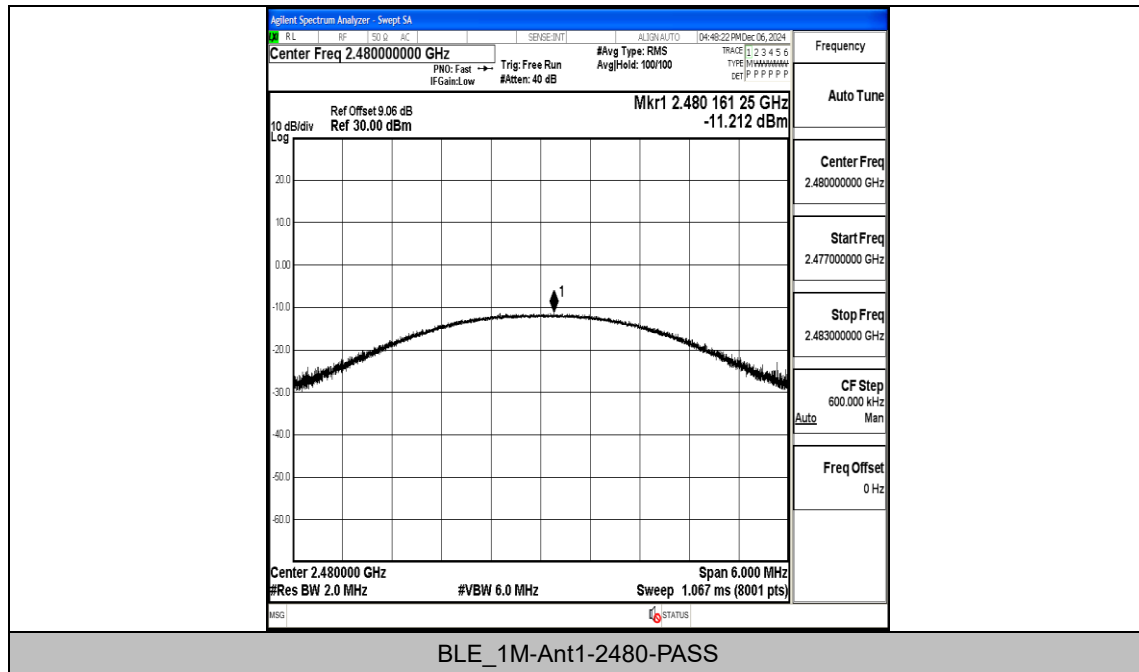
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-12.00	≤30	PASS
BLE_1M	Ant1	2440	-14.88	≤30	PASS
BLE_1M	Ant1	2480	-11.21	≤30	PASS

Test Graphs Peak



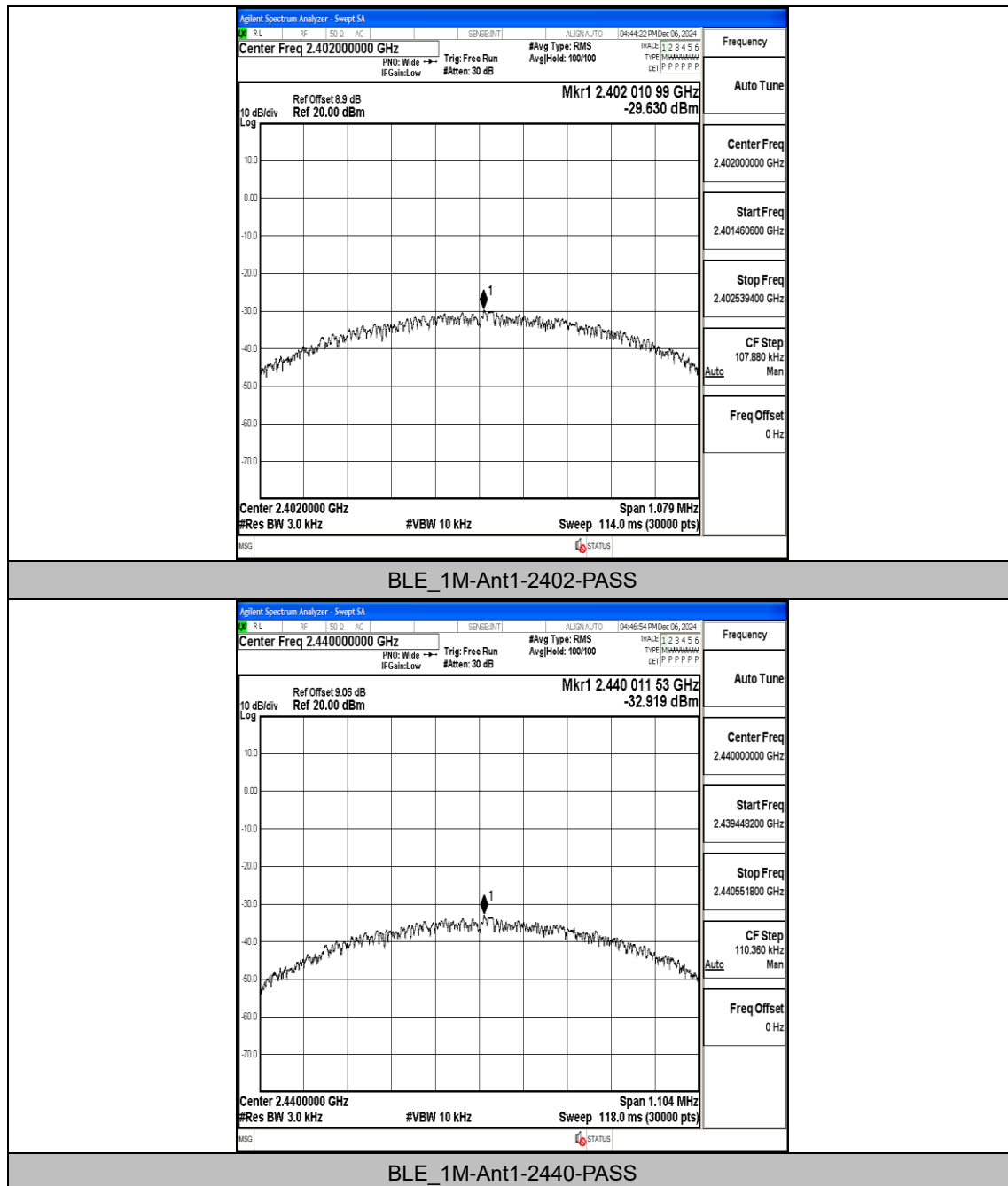


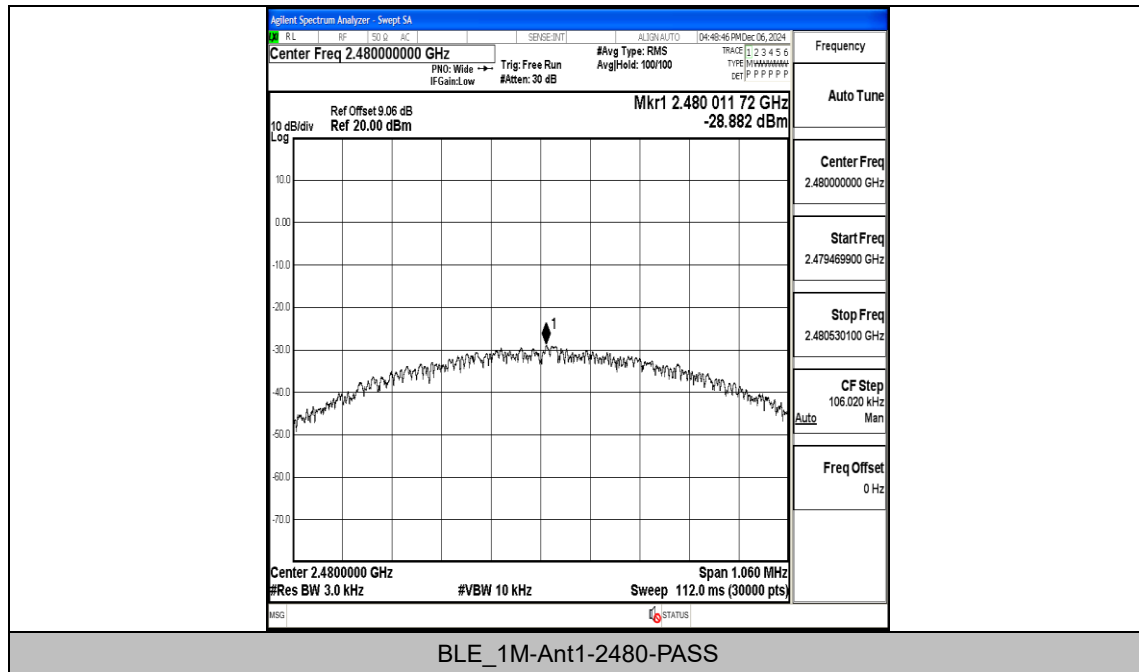
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-29.63	≤8.00	PASS
BLE_1M	Ant1	2440	-32.92	≤8.00	PASS
BLE_1M	Ant1	2480	-28.88	≤8.00	PASS

Test Graphs



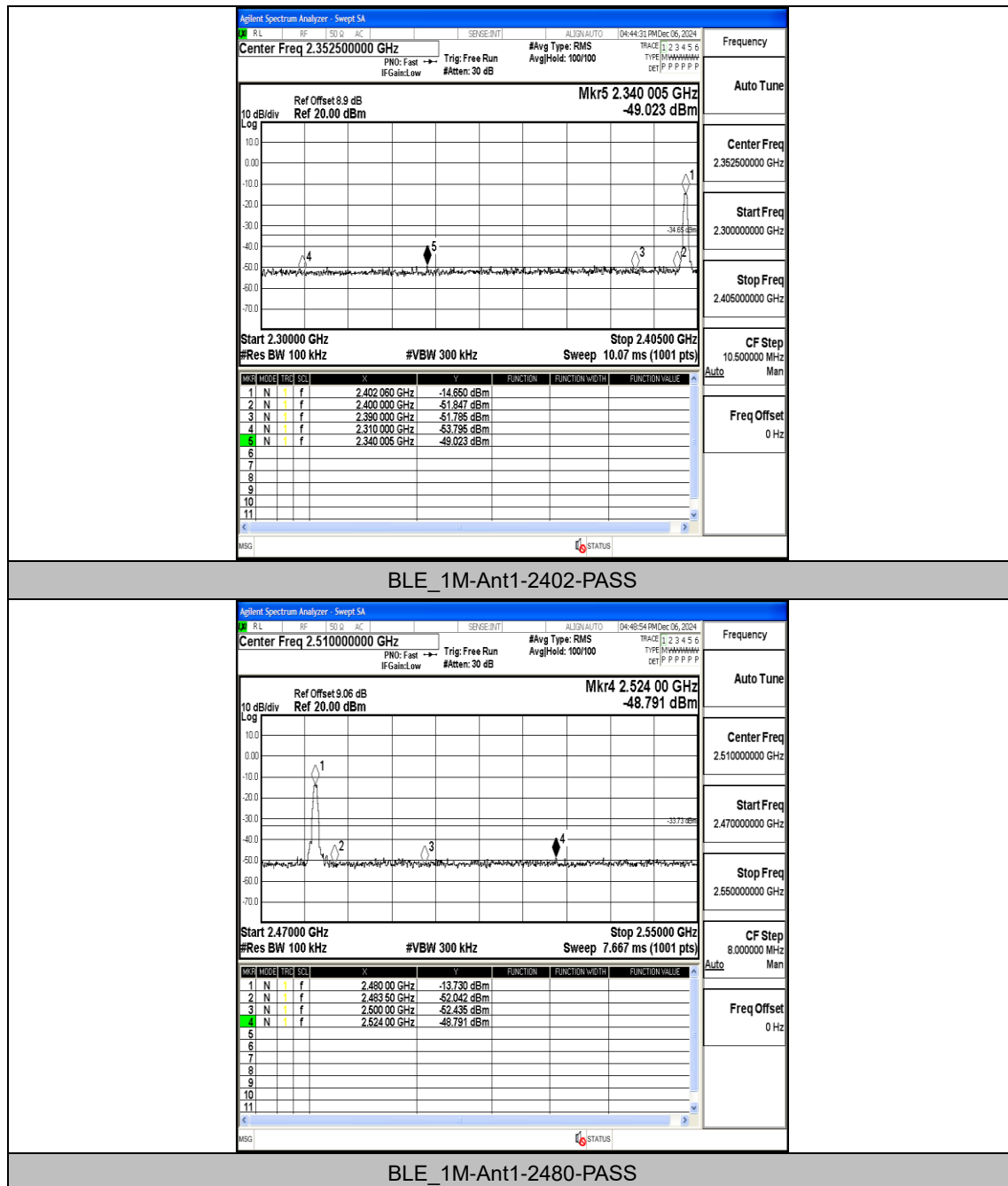


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-14.65	-49.02	≤-34.65	PASS
BLE_1M	Ant1	High	2480	-13.73	-48.79	≤-33.73	PASS

Test Graphs

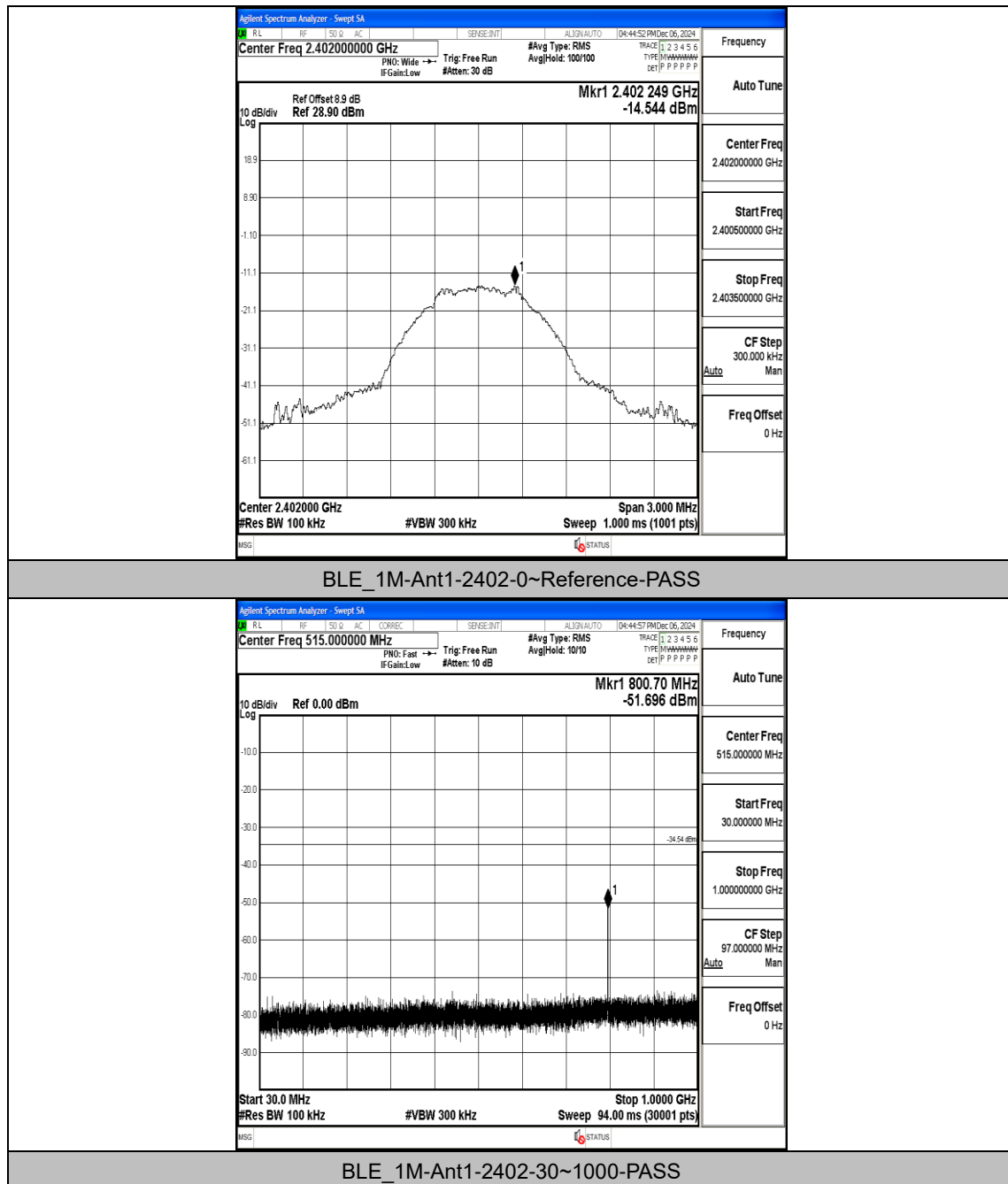


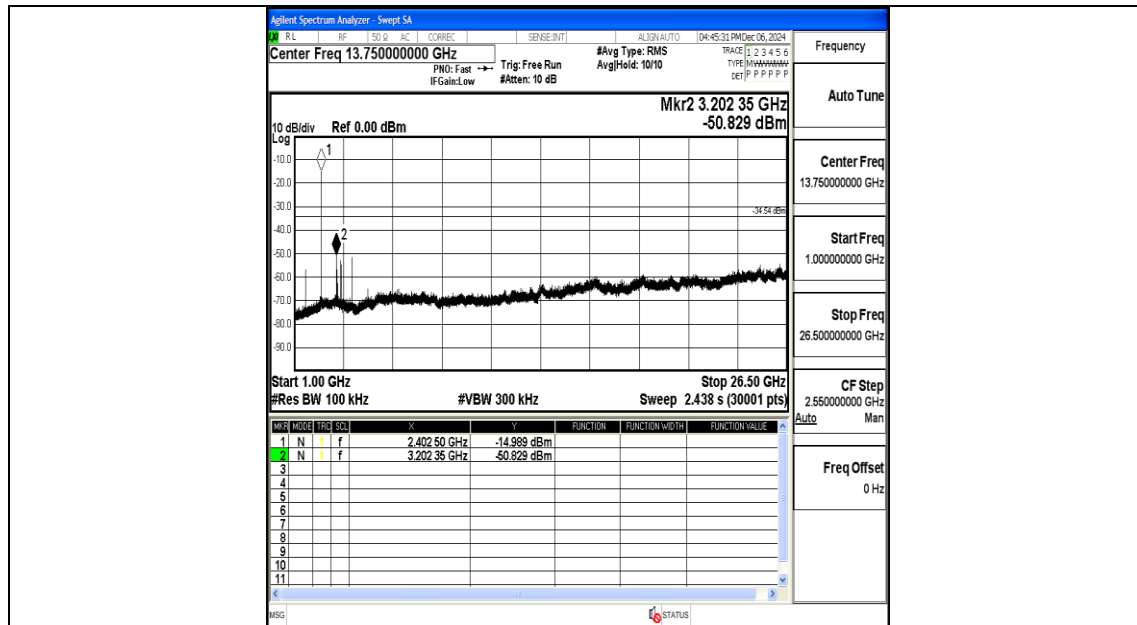
Appendix F: Conducted Spurious Emission

Test Result

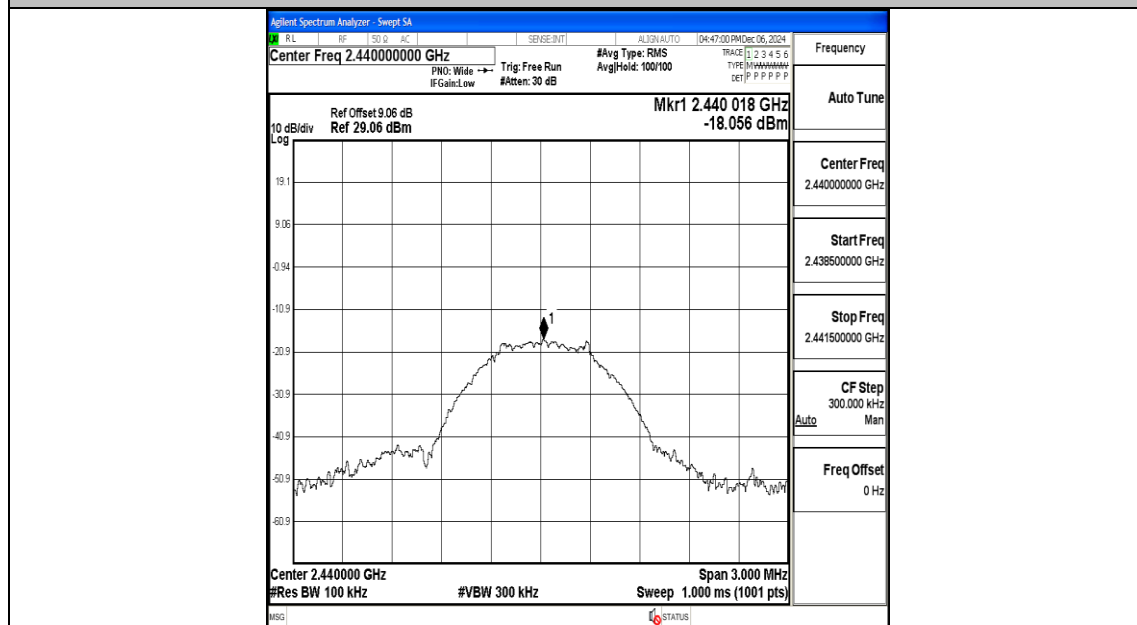
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-14.54	-14.54	---	PASS
BLE_1M	Ant1	2402	30~1000	-14.54	-51.7	≤-34.54	PASS
BLE_1M	Ant1	2402	1000~26500	-14.54	-50.83	≤-34.54	PASS
BLE_1M	Ant1	2440	0~Reference	-18.06	-18.06	---	PASS
BLE_1M	Ant1	2440	30~1000	-18.06	-50.15	≤-38.06	PASS
BLE_1M	Ant1	2440	1000~26500	-18.06	-48.81	≤-38.06	PASS
BLE_1M	Ant1	2480	0~Reference	-14.01	-14.01	---	PASS
BLE_1M	Ant1	2480	30~1000	-14.01	-50.98	≤-34.01	PASS
BLE_1M	Ant1	2480	1000~26500	-14.01	-49.94	≤-34.01	PASS

Test Graphs

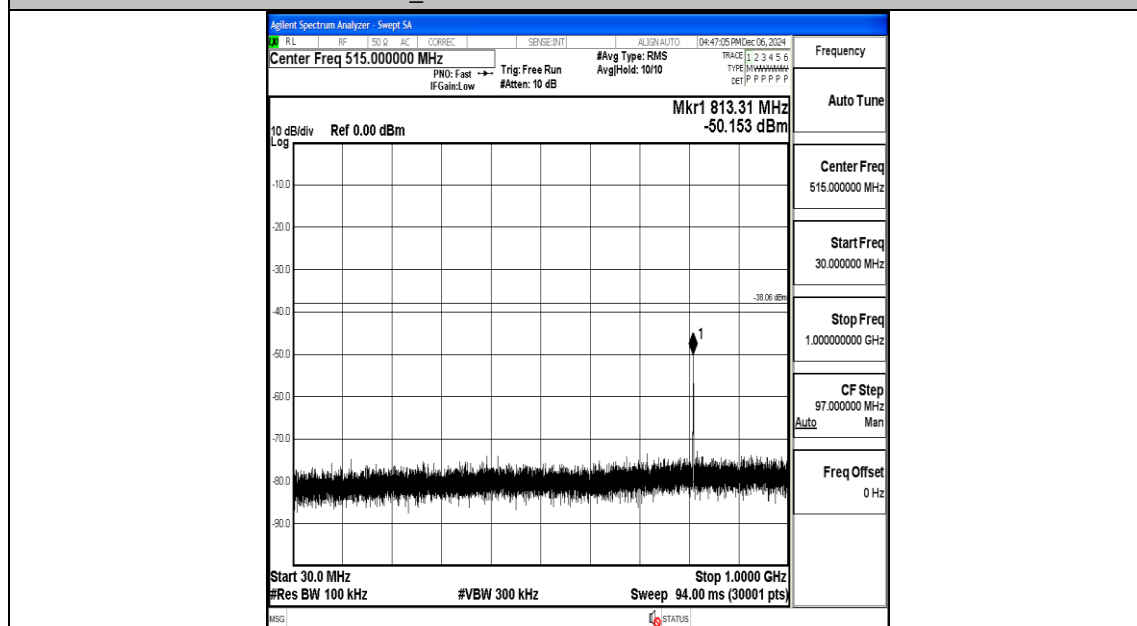




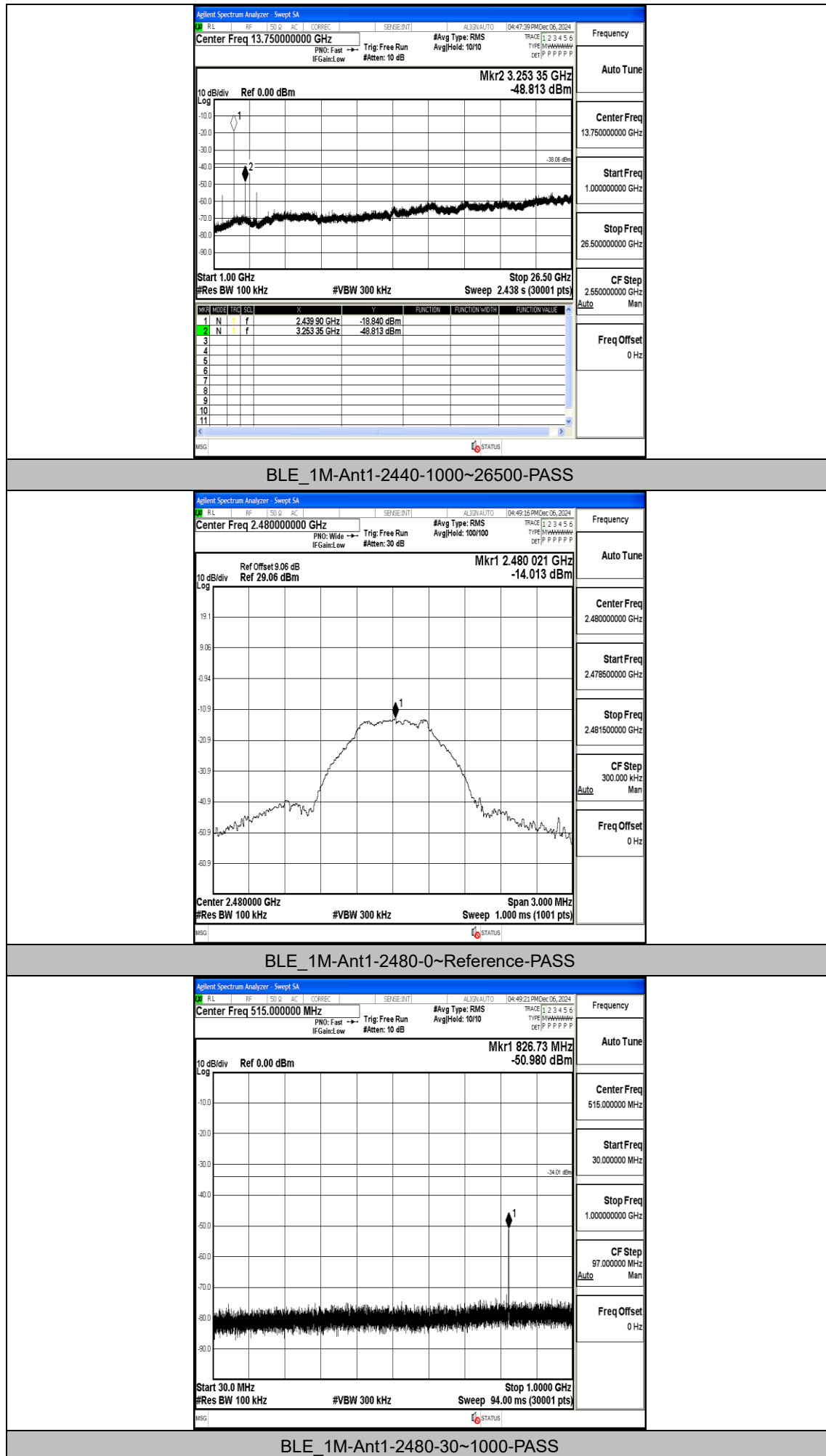
BLE_1M-Ant1-2402-1000~26500-PASS

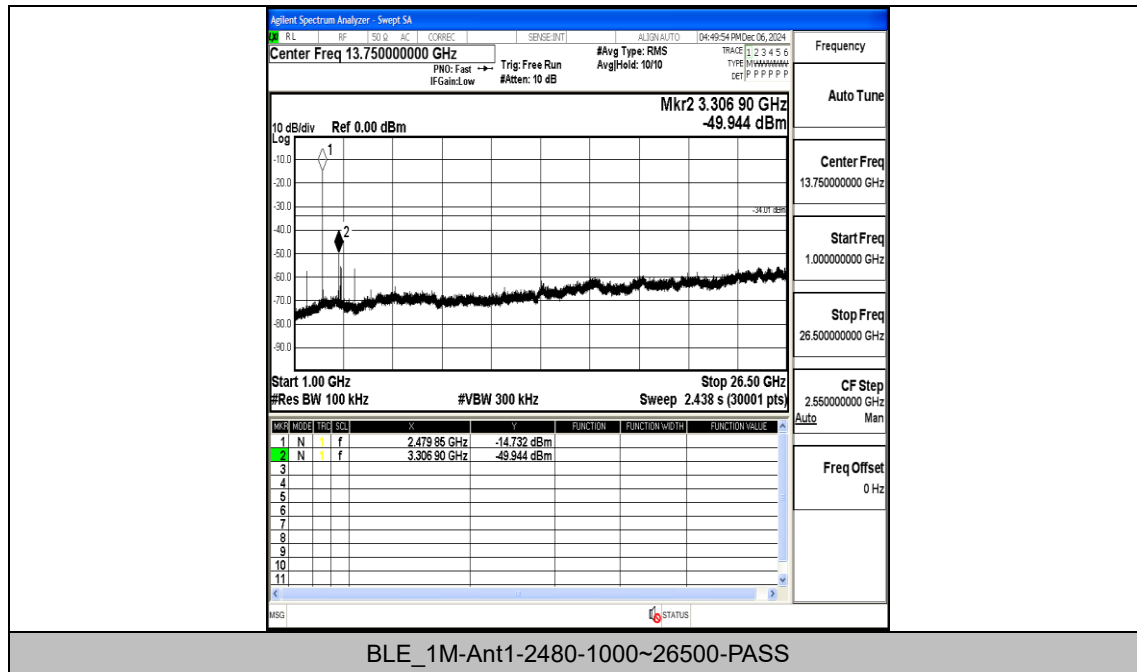


BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS





Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
BLE_1M	Ant1	2402	2.80	3.04	92.11	0.36
BLE_1M	Ant1	2440	2.81	3.04	92.43	0.34
BLE_1M	Ant1	2480	2.80	3.04	92.11	0.36

Test Graphs

