

Appendix Test Data for BLE (Conducted Measurement)

Product Name: PD flasher adapter

Trade Mark: /

Test Model: PD-100

FCC ID: 2BMKO-PD100

Environmental Conditions

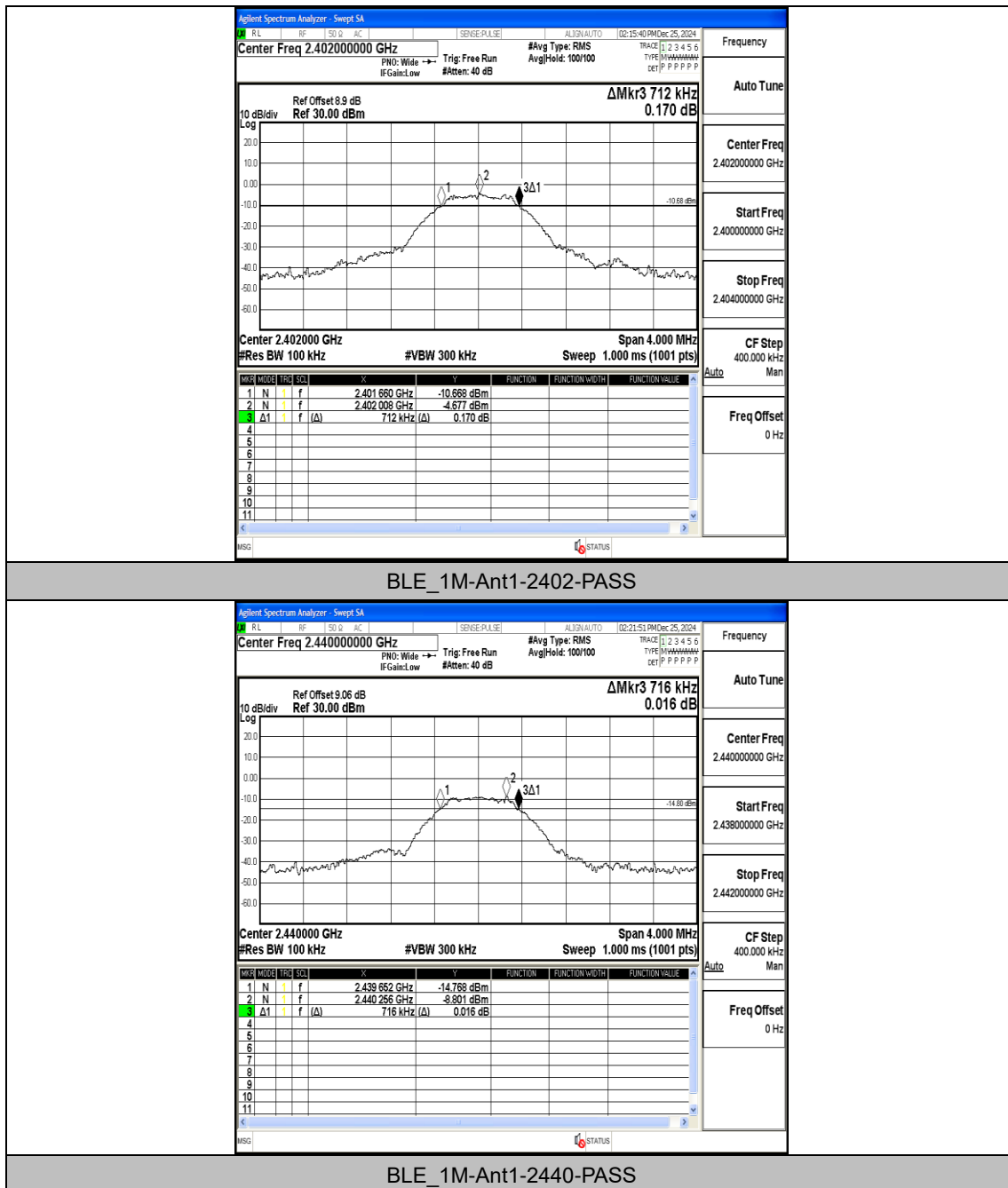
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

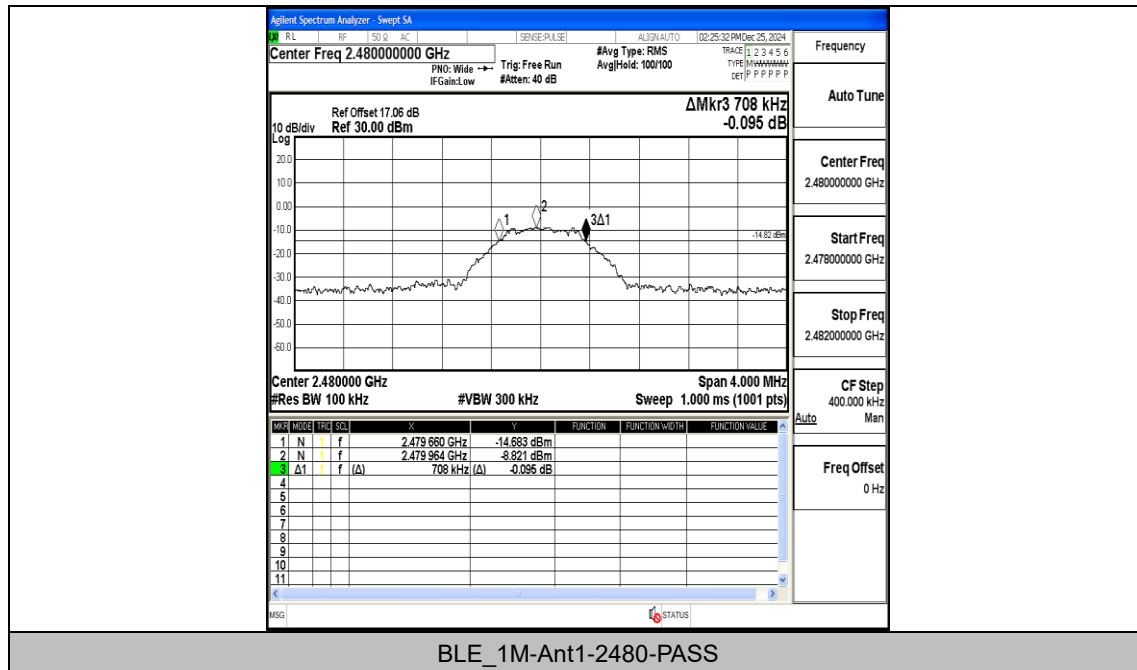
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.712	2401.660	2402.372	0.5	PASS
BLE_1M	Ant1	2440	0.716	2439.652	2440.368	0.5	PASS
BLE_1M	Ant1	2480	0.708	2479.660	2480.368	0.5	PASS

Test Graphs



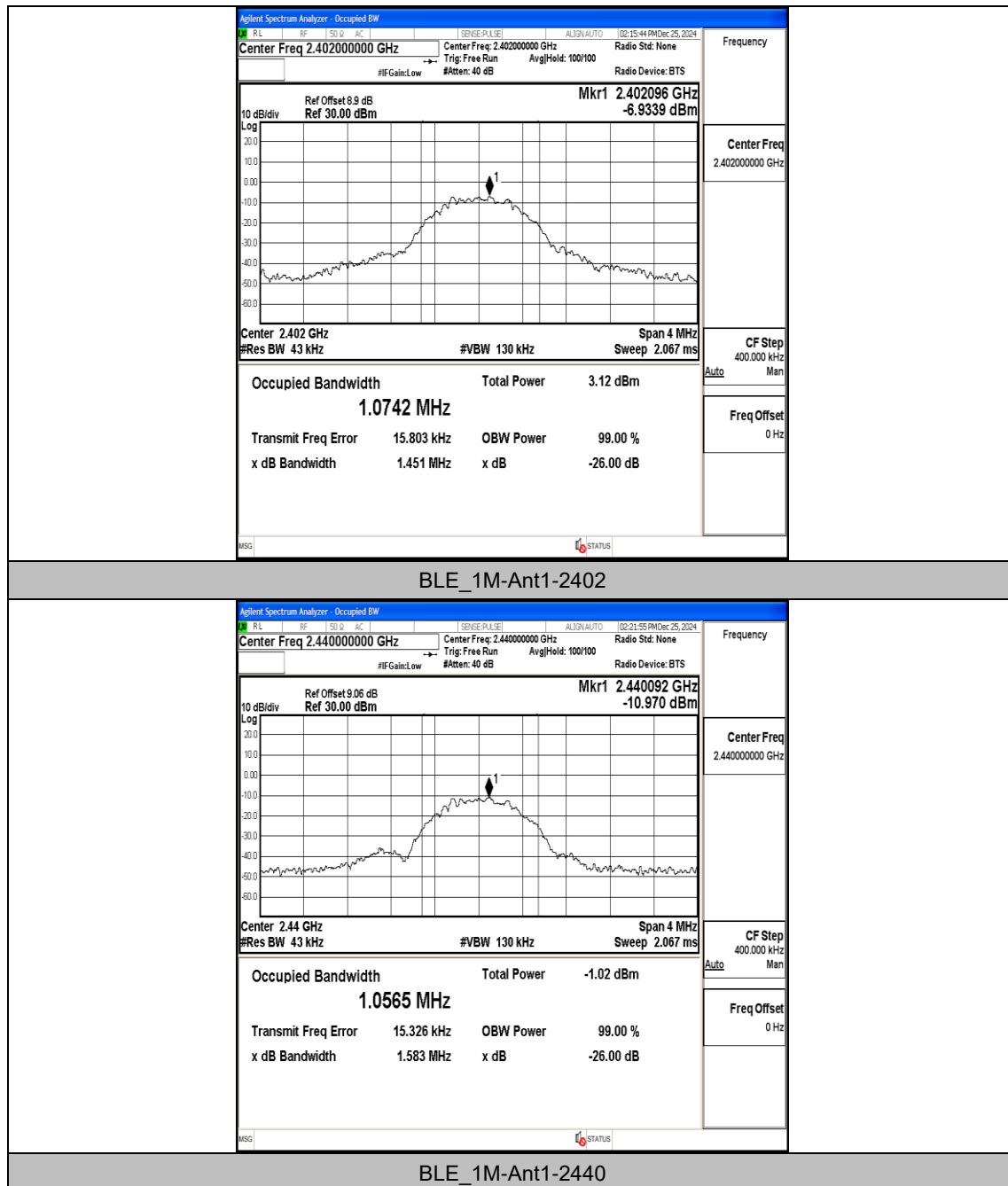


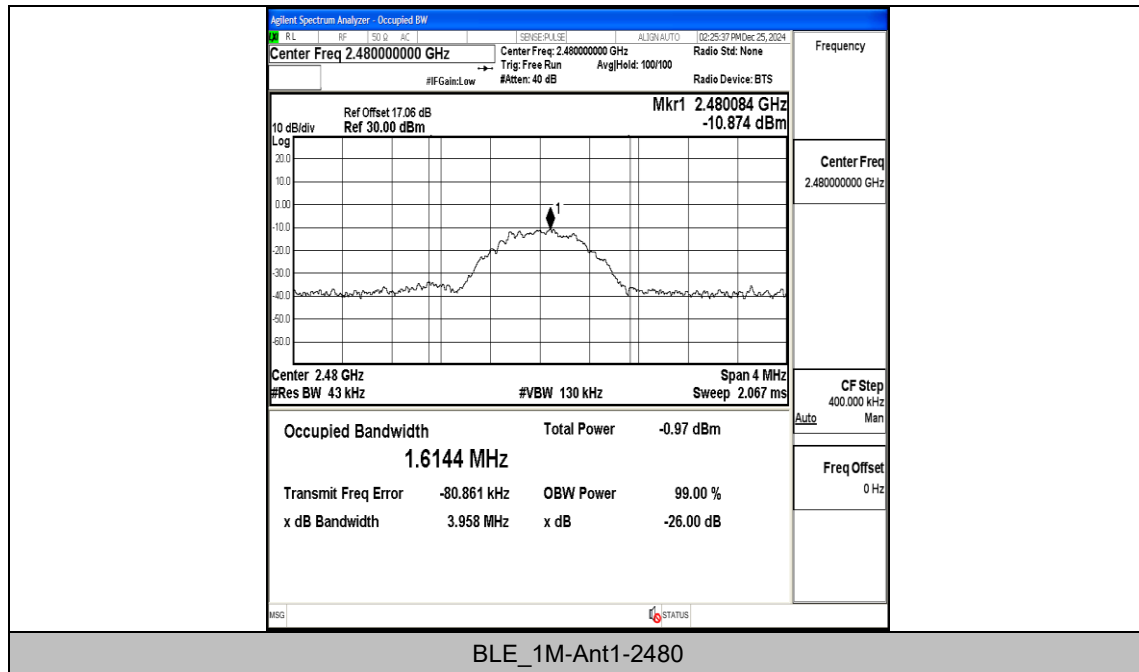
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0742	2401.4787	2402.5529	---	---
BLE_1M	Ant1	2440	1.0565	2439.4871	2440.5436	---	---
BLE_1M	Ant1	2480	1.6144	2479.1119	2480.7263	---	---

Test Graphs



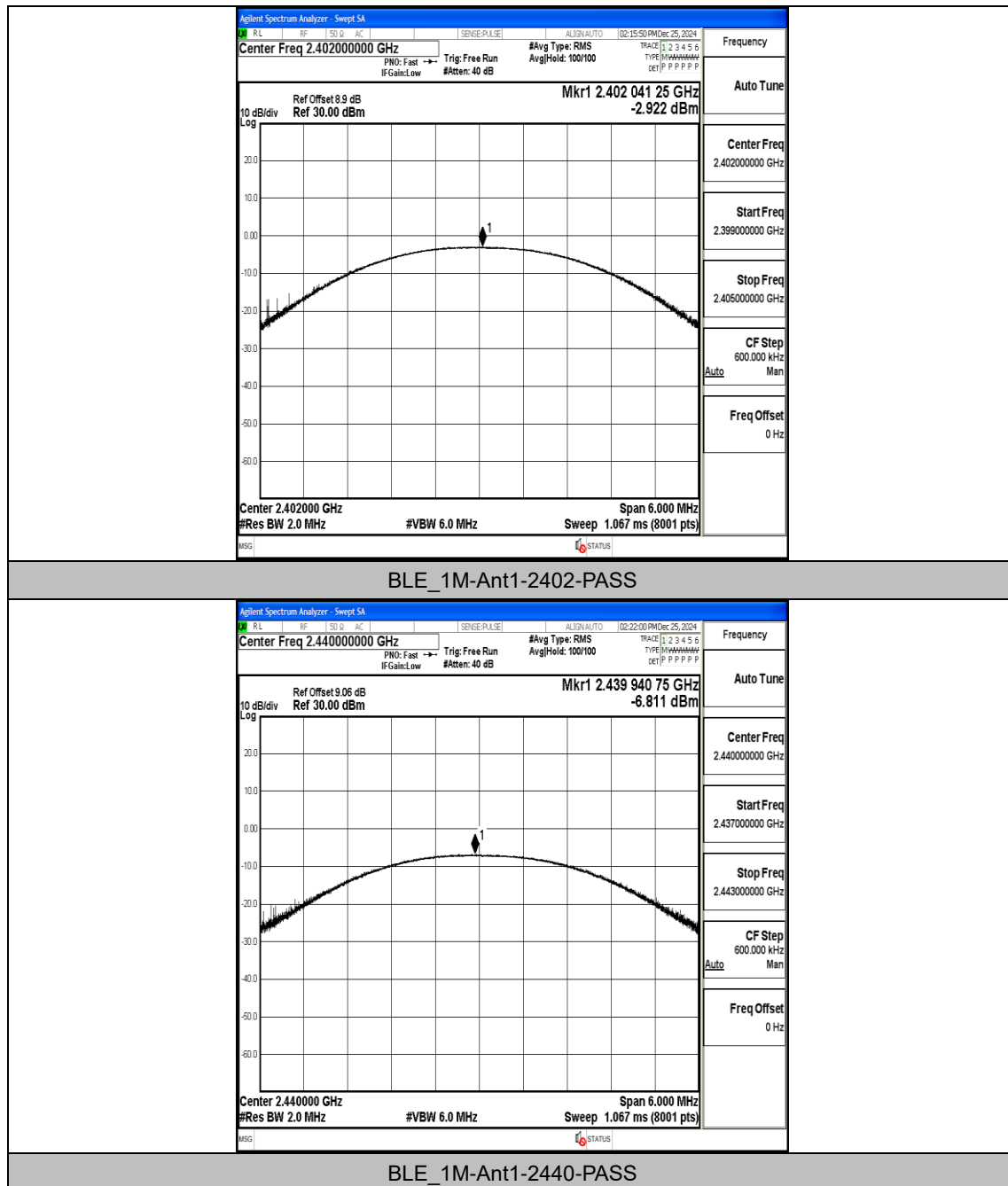


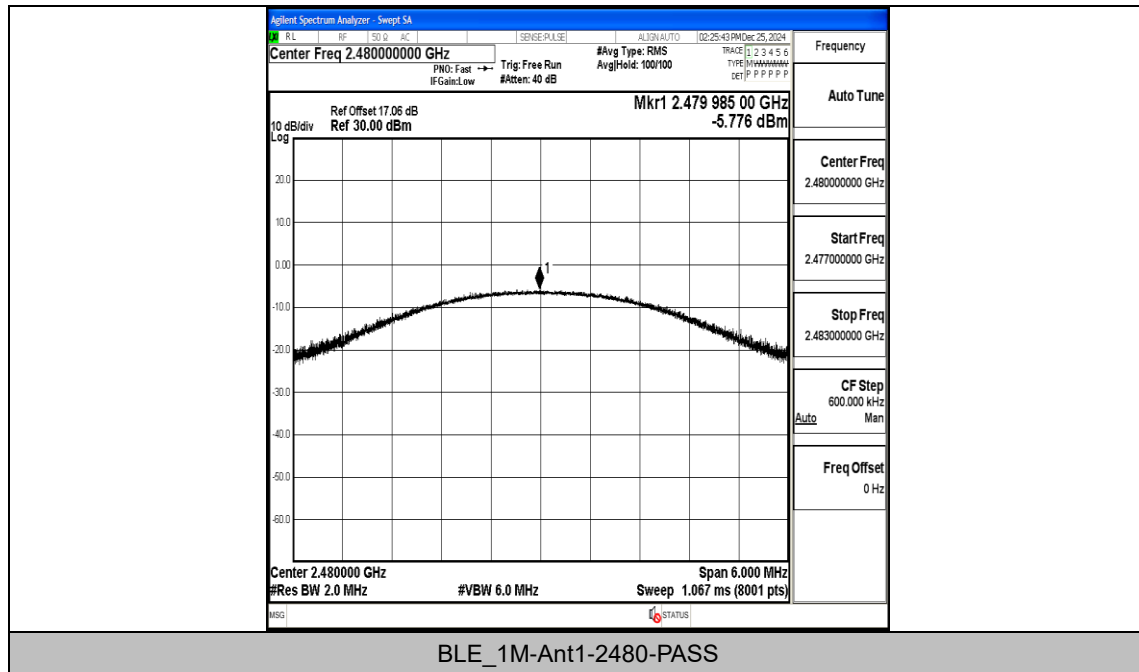
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-2.92	≤30	PASS
BLE_1M	Ant1	2440	-6.81	≤30	PASS
BLE_1M	Ant1	2480	-5.78	≤30	PASS

Test Graphs Peak



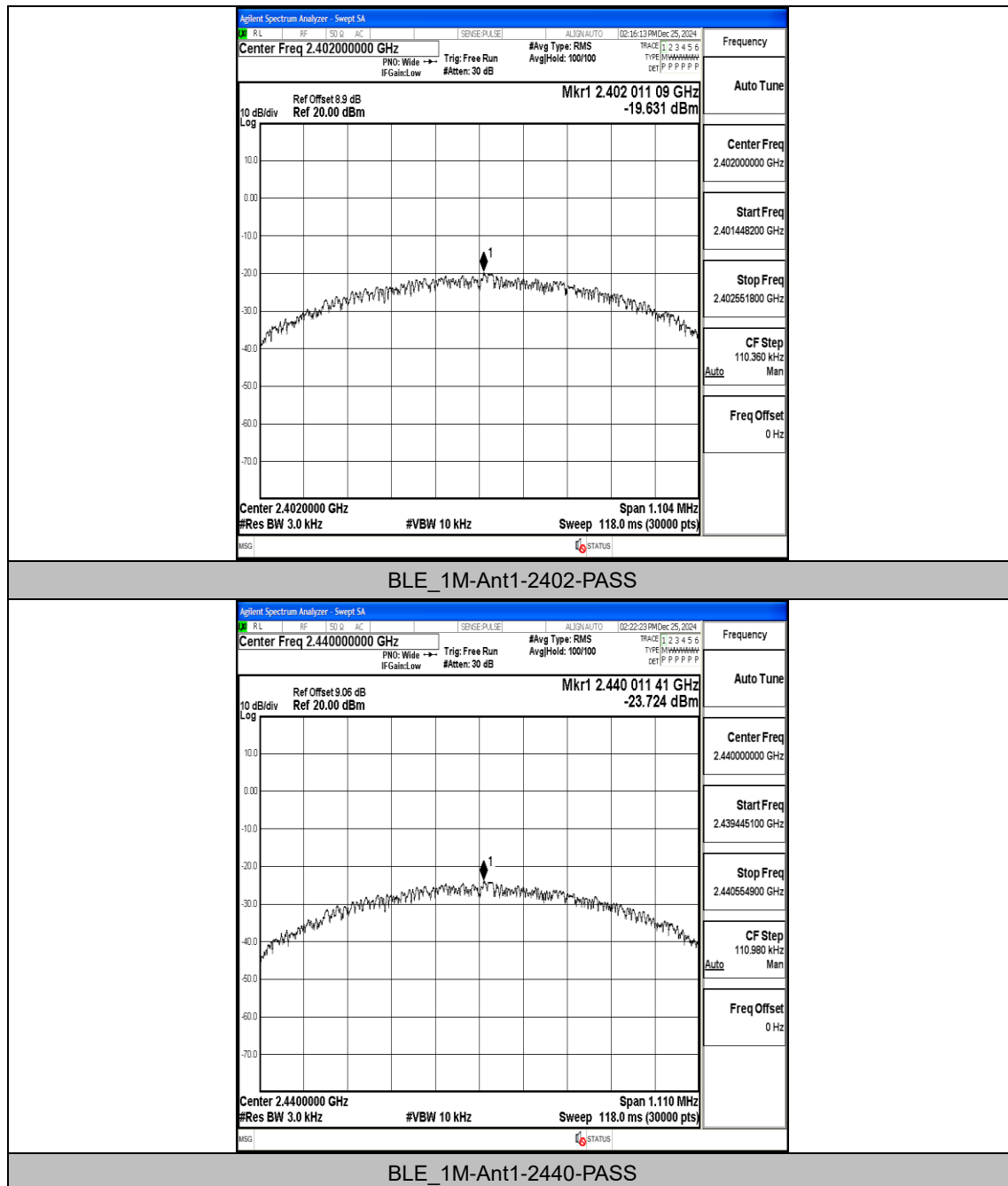


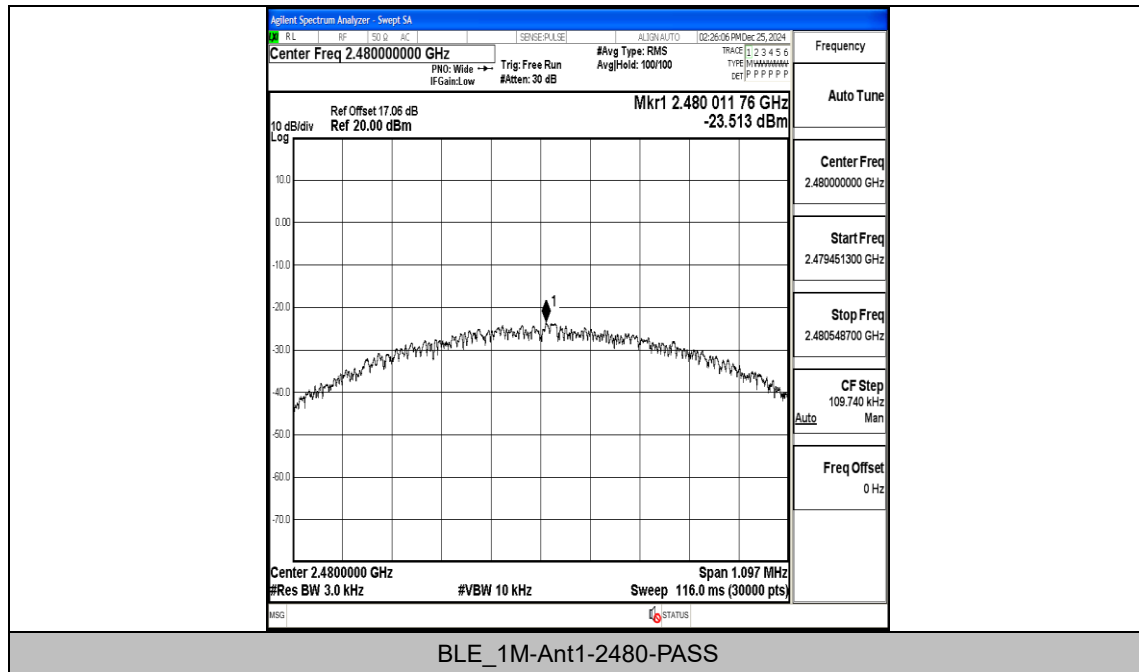
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.63	≤8.00	PASS
BLE_1M	Ant1	2440	-23.72	≤8.00	PASS
BLE_1M	Ant1	2480	-23.51	≤8.00	PASS

Test Graphs



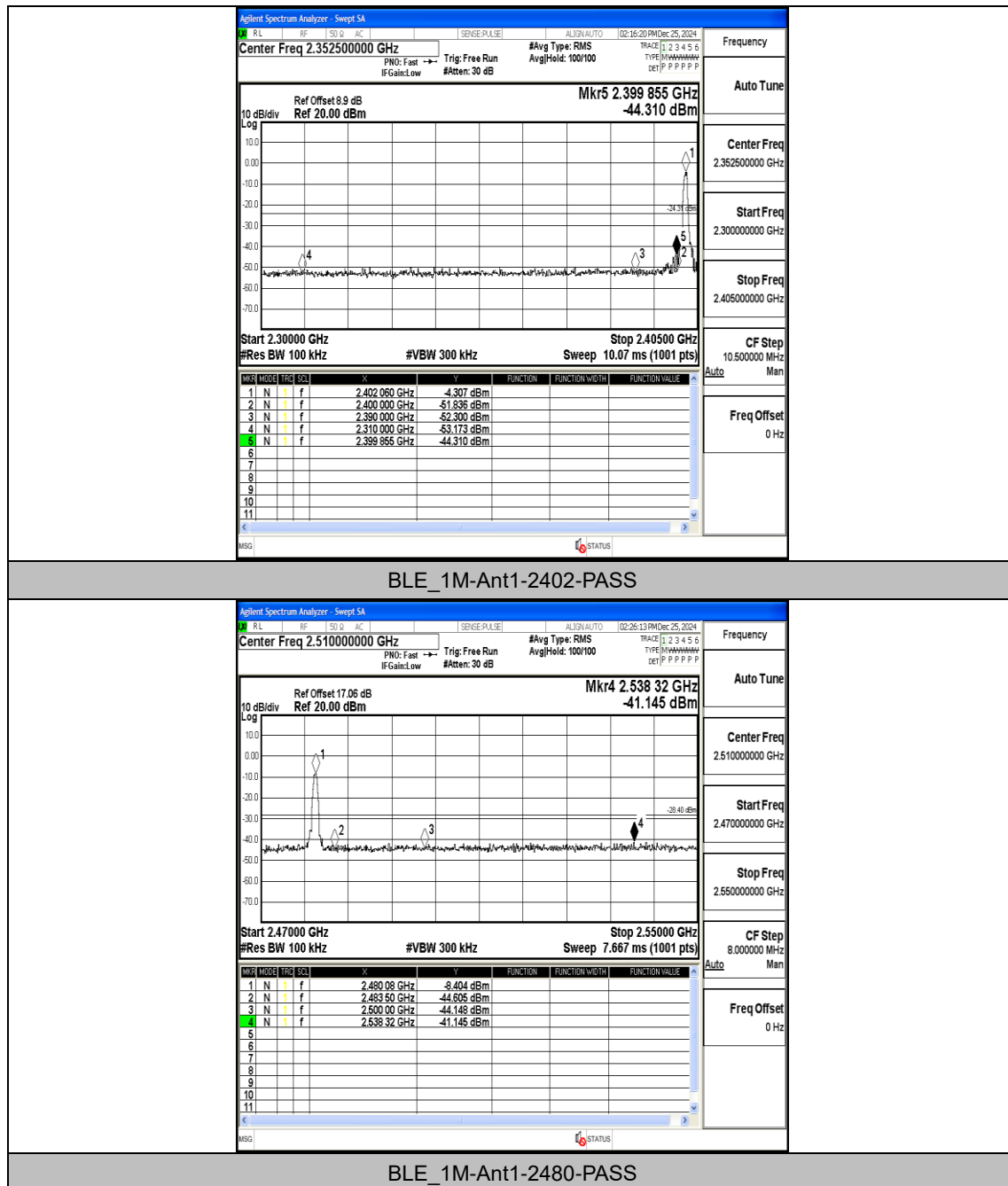


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.31	-44.31	≤ -24.31	PASS
BLE_1M	Ant1	High	2480	-8.40	-41.15	≤ -28.4	PASS

Test Graphs

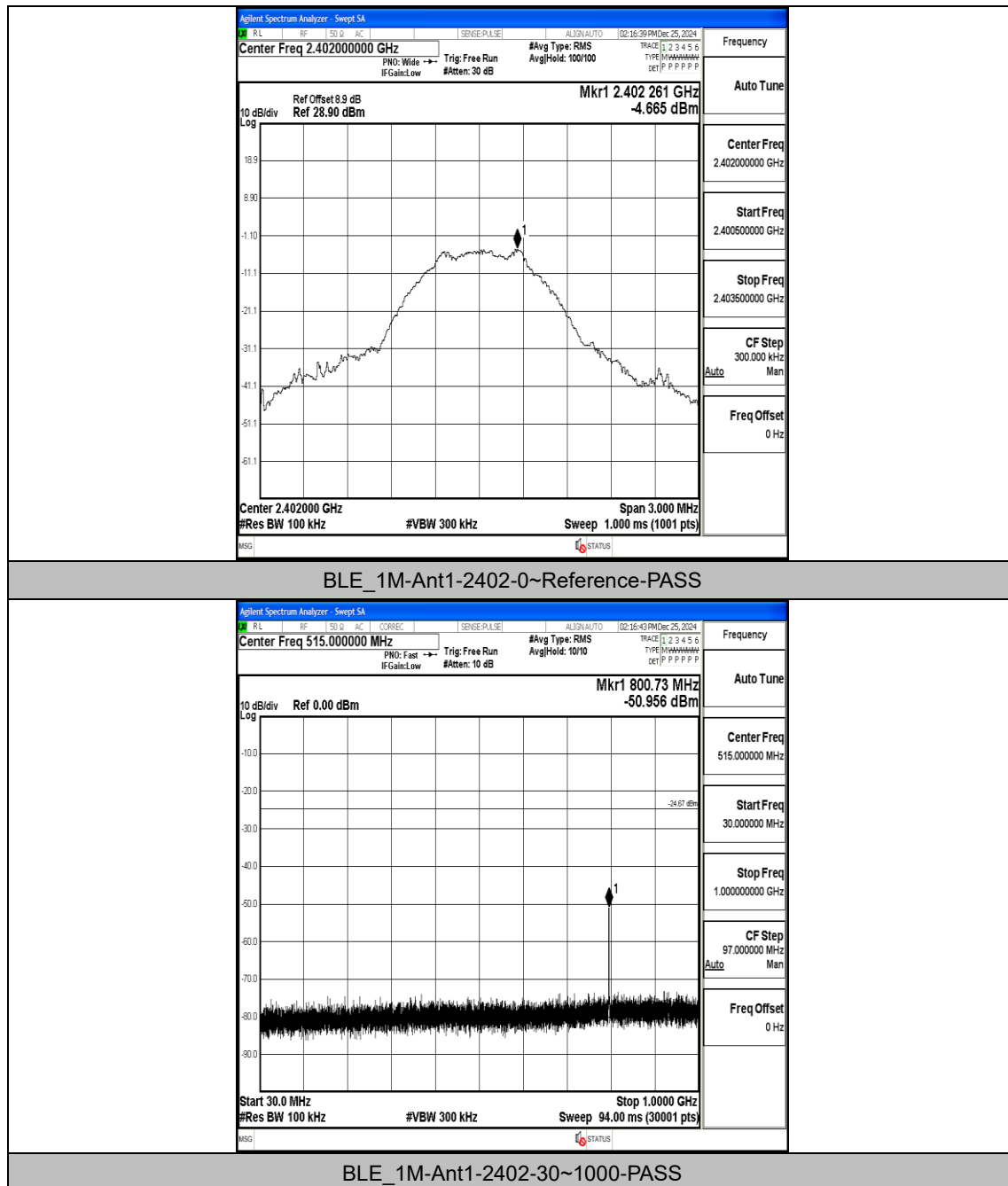


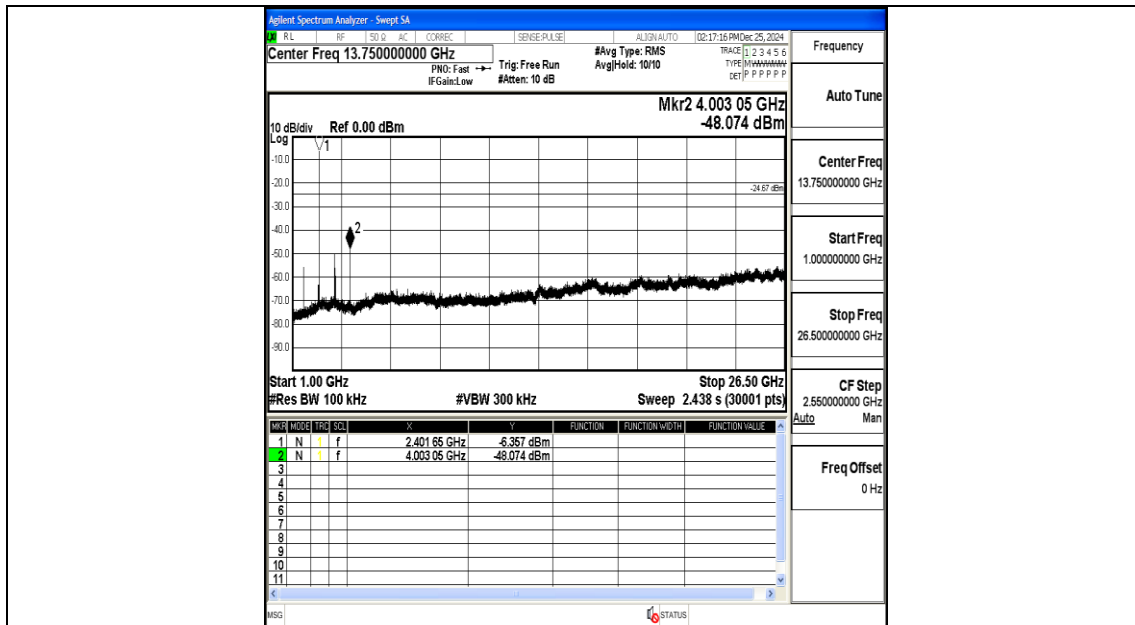
Appendix F: Conducted Spurious Emission

Test Result

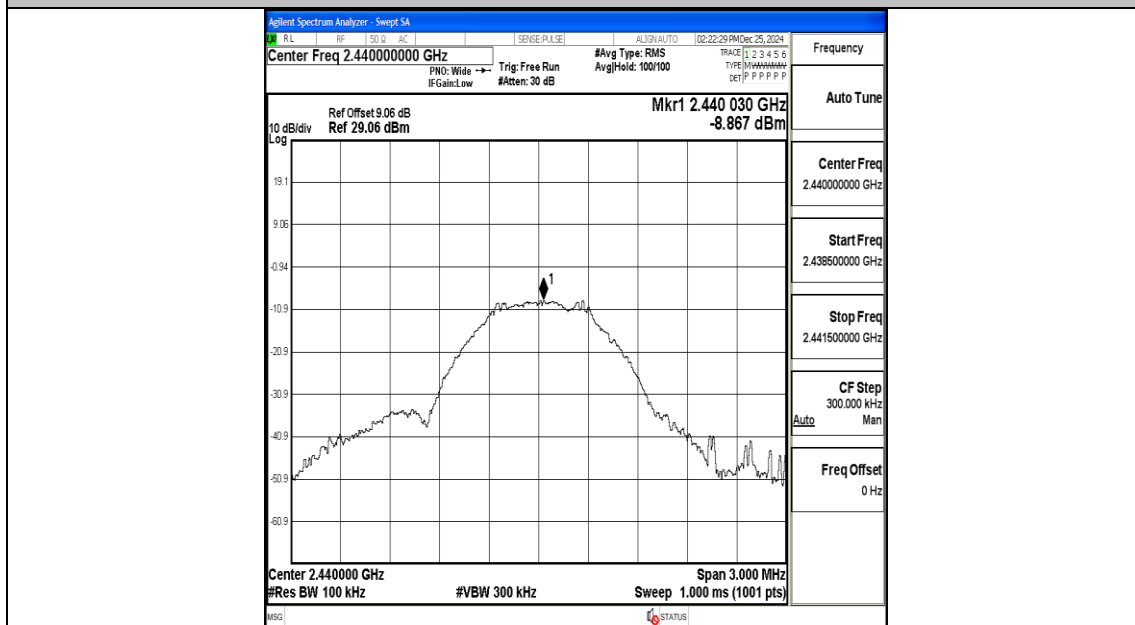
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-4.67	-4.67	---	PASS
BLE_1M	Ant1	2402	30~1000	-4.67	-50.96	≤-24.67	PASS
BLE_1M	Ant1	2402	1000~26500	-4.67	-48.07	≤-24.67	PASS
BLE_1M	Ant1	2440	0~Reference	-8.87	-8.87	---	PASS
BLE_1M	Ant1	2440	30~1000	-8.87	-50.58	≤-28.87	PASS
BLE_1M	Ant1	2440	1000~26500	-8.87	-49.55	≤-28.87	PASS
BLE_1M	Ant1	2480	0~Reference	-8.78	-8.78	---	PASS
BLE_1M	Ant1	2480	30~1000	-8.78	-44.12	≤-28.78	PASS
BLE_1M	Ant1	2480	1000~26500	-8.78	-42.04	≤-28.78	PASS

Test Graphs

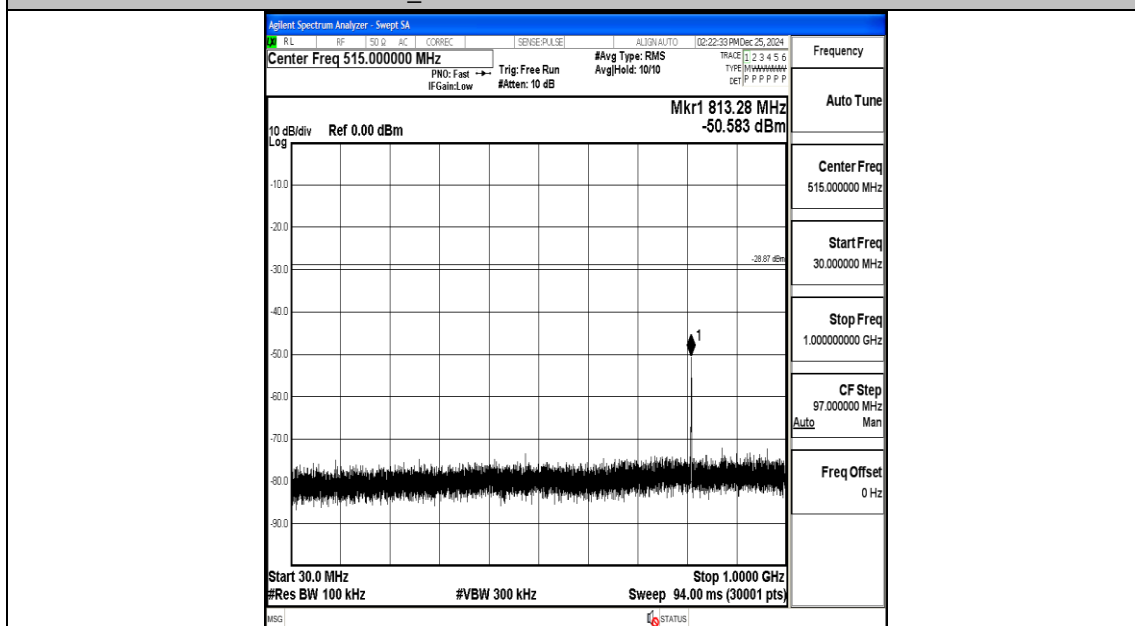




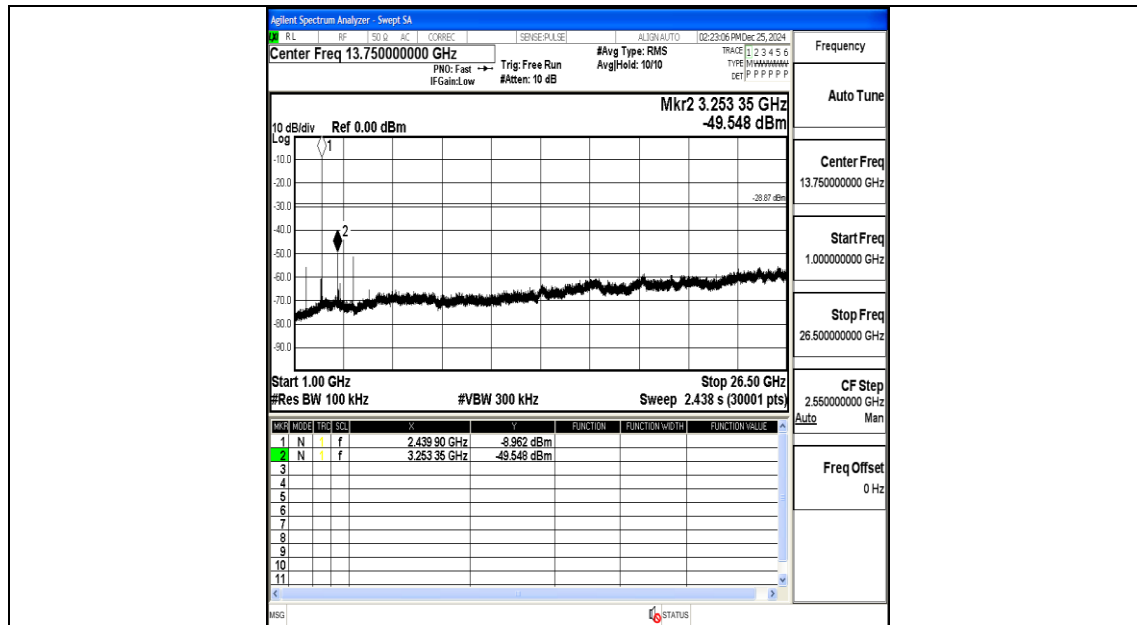
BLE_1M-Ant1-2402-1000~26500-PASS



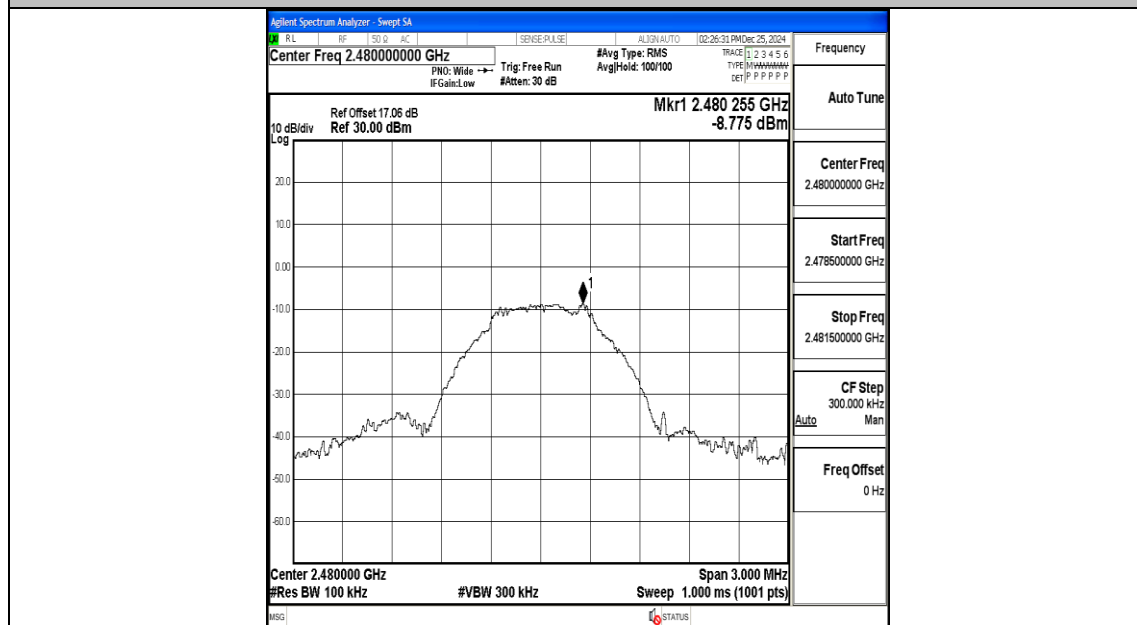
BLE_1M-Ant1-2440-0~Reference-PASS



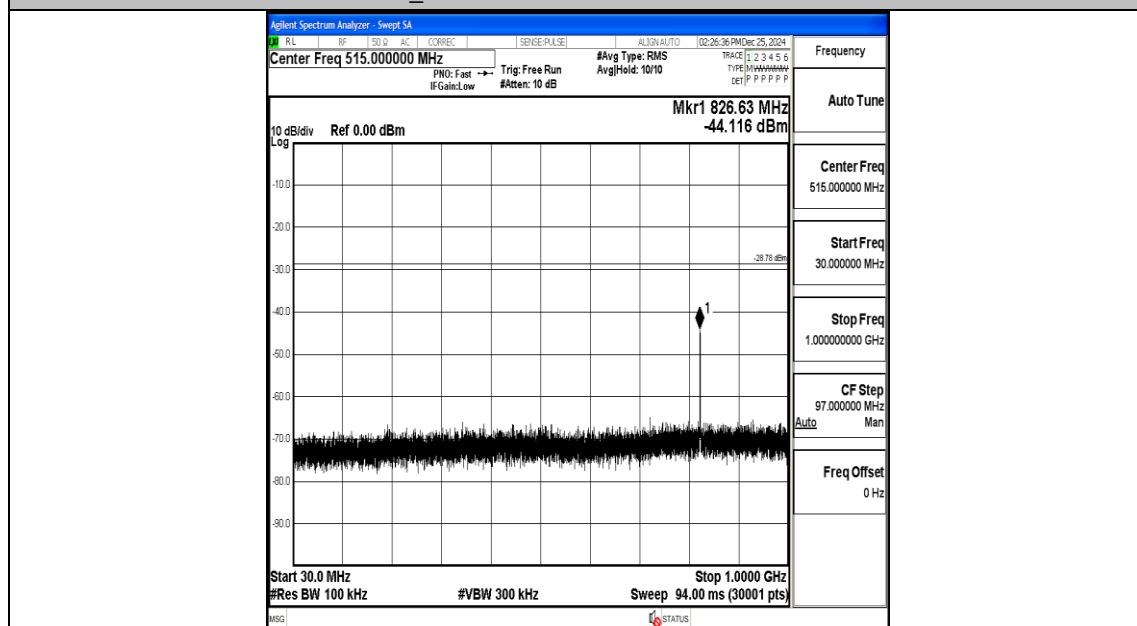
BLE_1M-Ant1-2440-30~1000-PASS



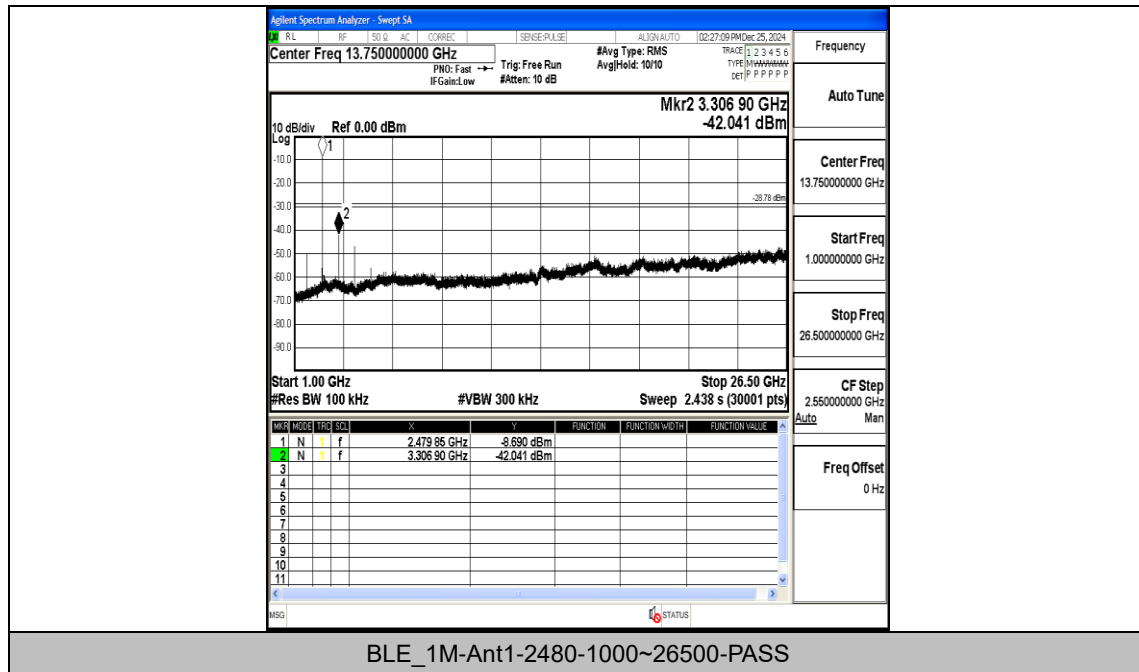
BLE_1M-Ant1-2440-1000~26500-PASS



BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



Appendix G: Duty Cycle

Test Result

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	2.81	3.04	92.43	0.34

Test Graphs

