

Appendix Test Data for BLE (Conducted Measurement)

Product Name: short video remote controller& Self-timer

Trade Mark: Qring

Test Model: D03

FCC ID: 2A66I-D03

Environmental Conditions

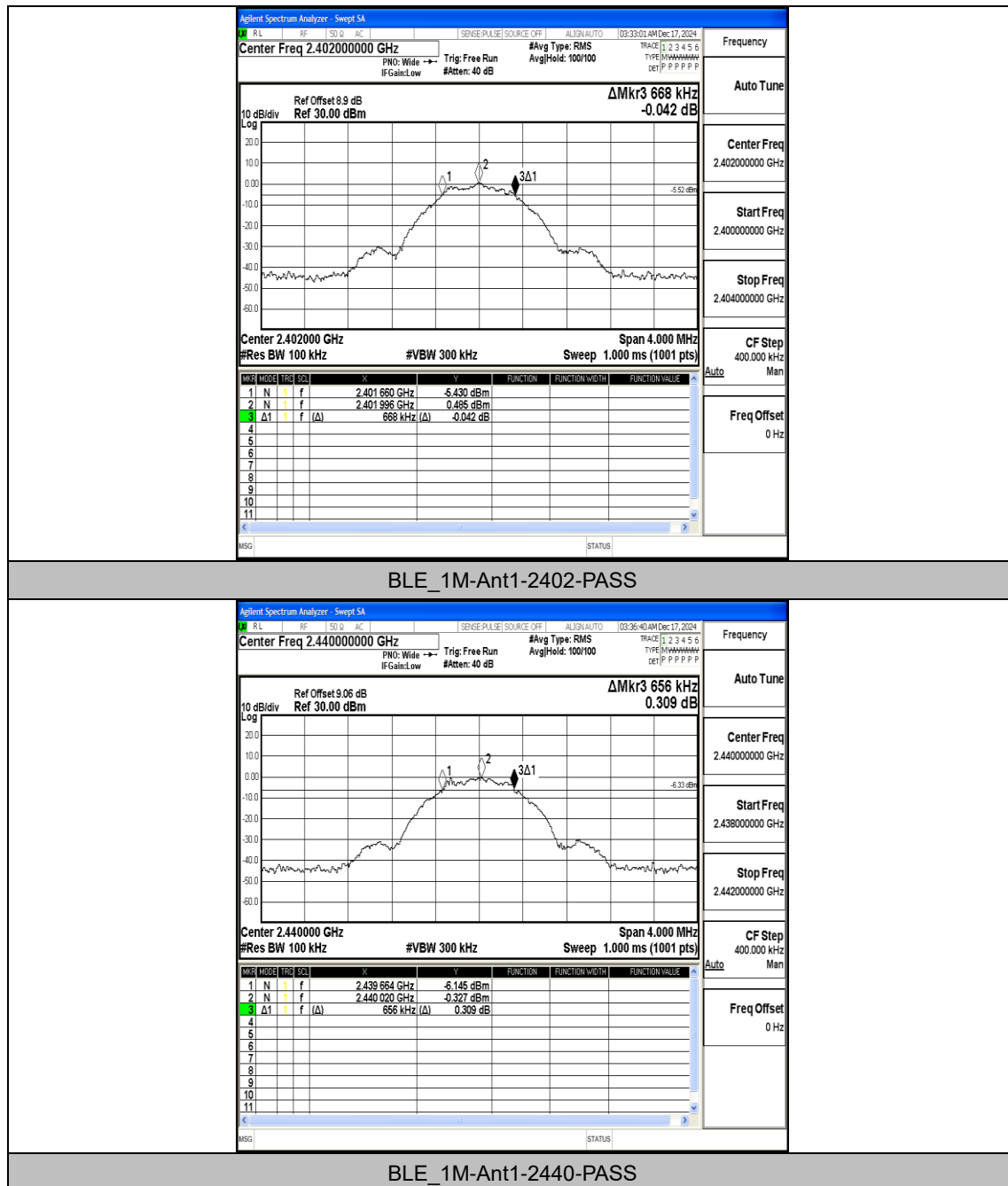
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

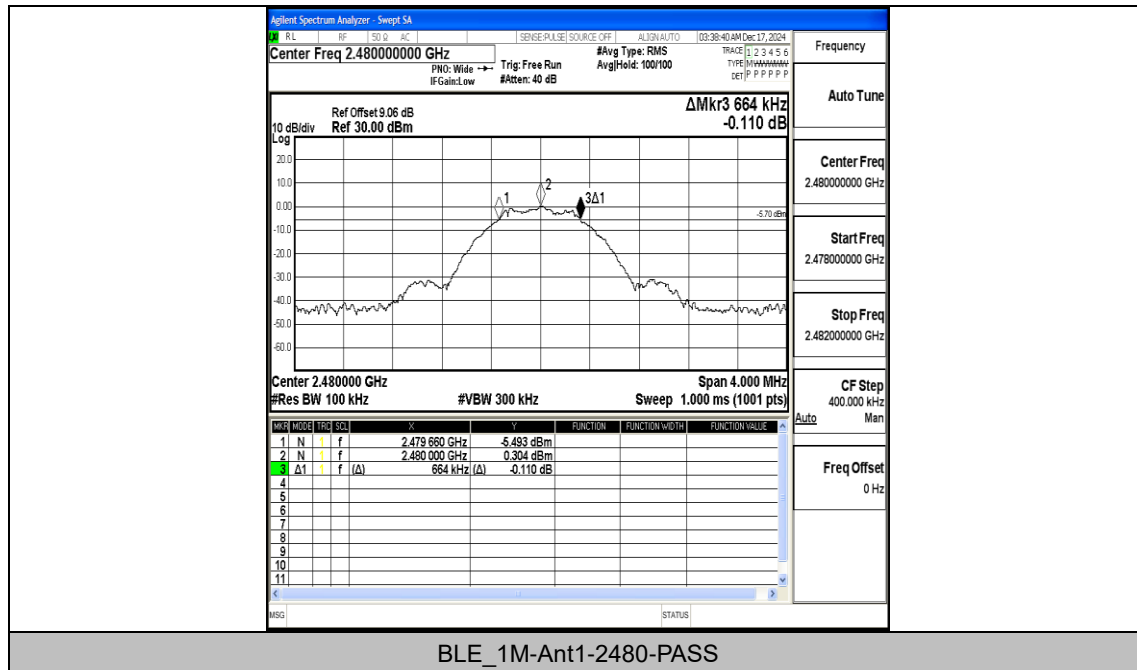
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.660	2402.328	0.5	PASS
BLE_1M	Ant1	2440	0.656	2439.664	2440.320	0.5	PASS
BLE_1M	Ant1	2480	0.664	2479.660	2480.324	0.5	PASS

Test Graphs



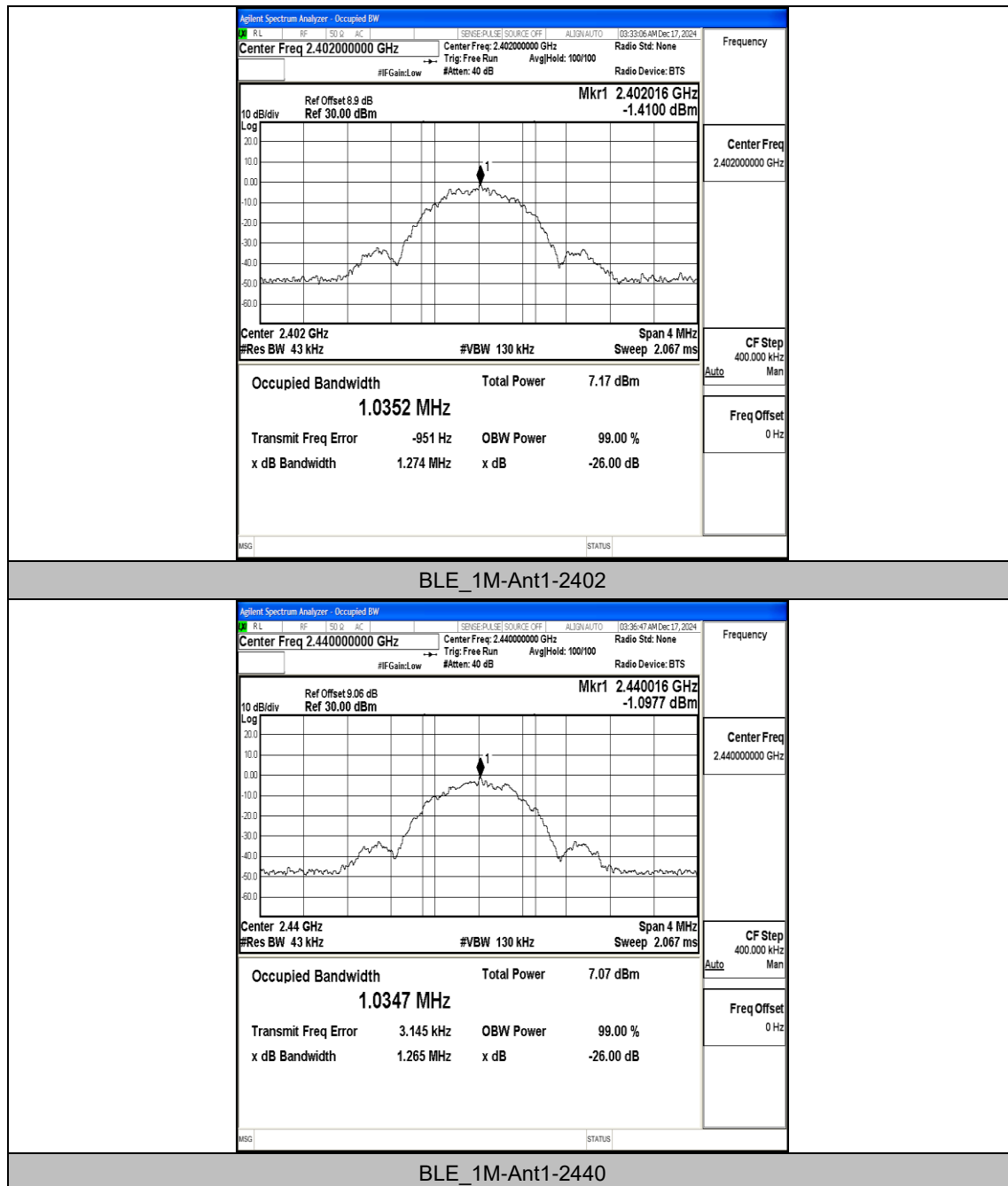


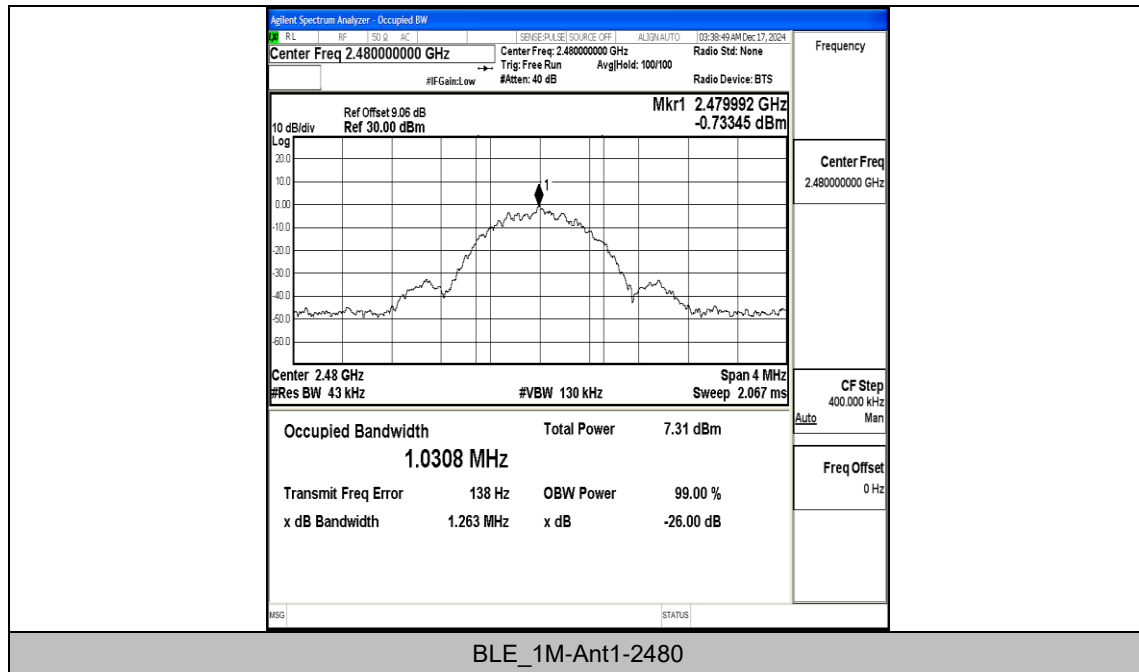
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0352	2401.4815	2402.5167	---	---
BLE_1M	Ant1	2440	1.0347	2439.4858	2440.5205	---	---
BLE_1M	Ant1	2480	1.0308	2479.4847	2480.5155	---	---

Test Graphs



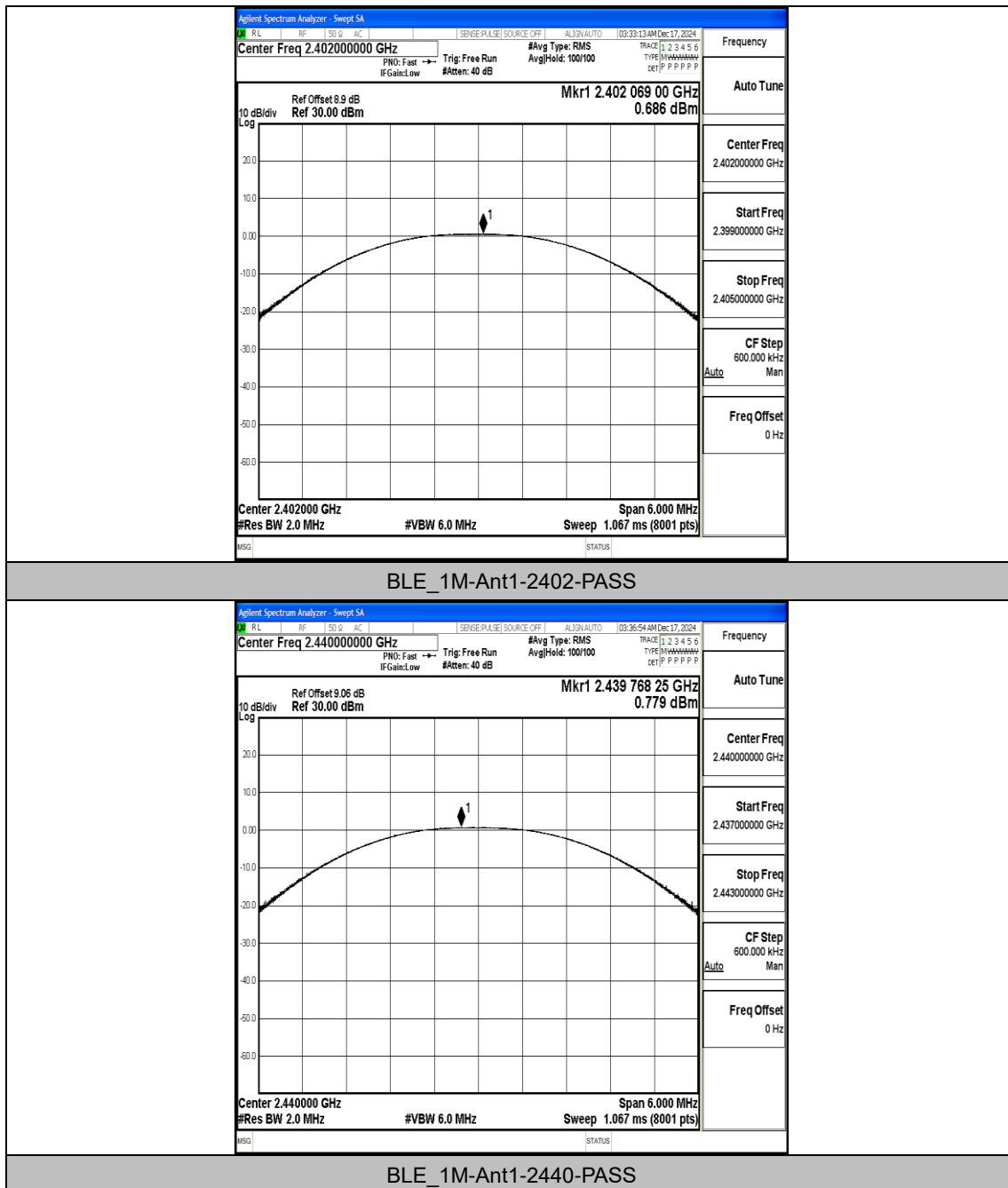


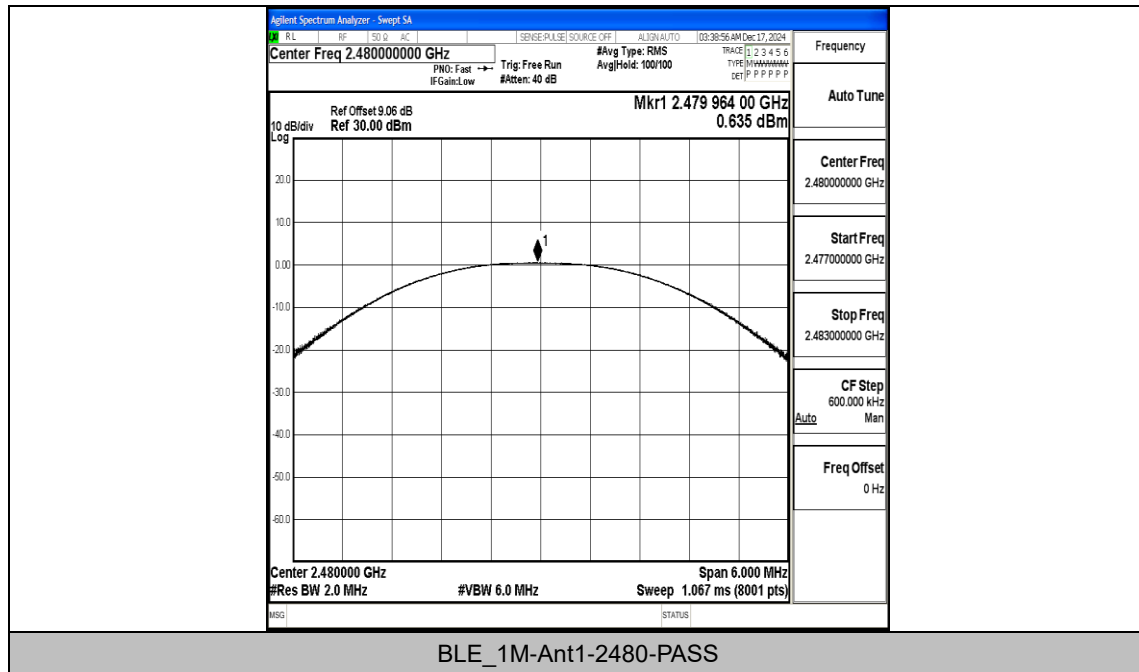
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0.69	≤30	PASS
BLE_1M	Ant1	2440	0.78	≤30	PASS
BLE_1M	Ant1	2480	0.64	≤30	PASS

Test Graphs Peak



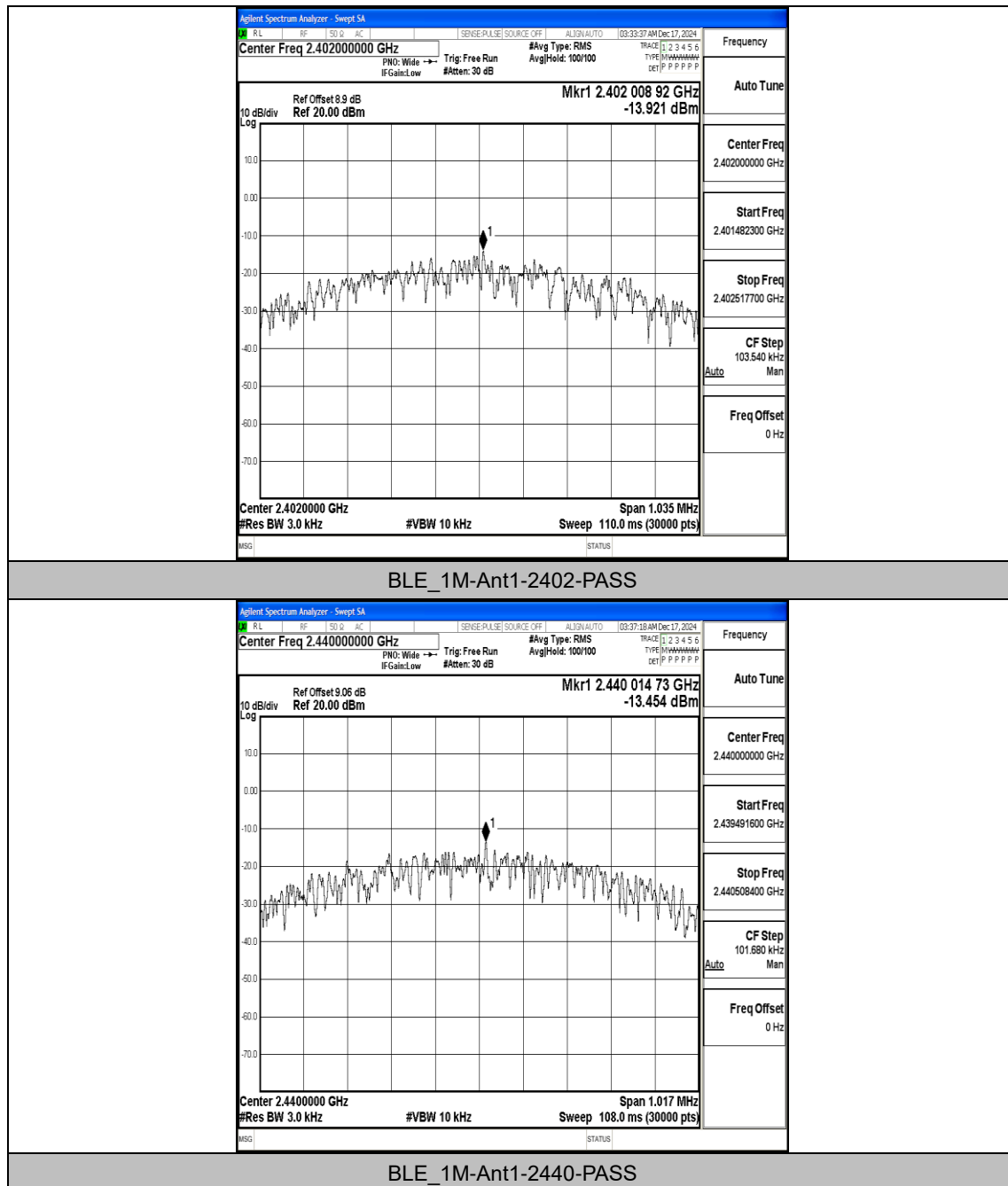


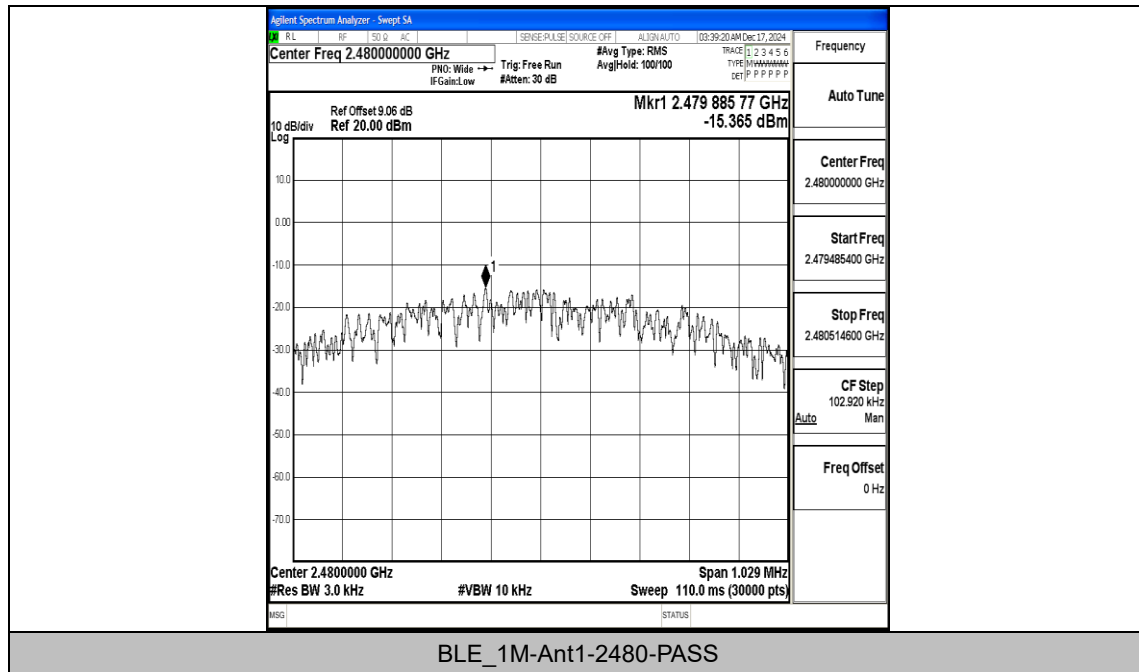
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.92	≤8.00	PASS
BLE_1M	Ant1	2440	-13.45	≤8.00	PASS
BLE_1M	Ant1	2480	-15.37	≤8.00	PASS

Test Graphs



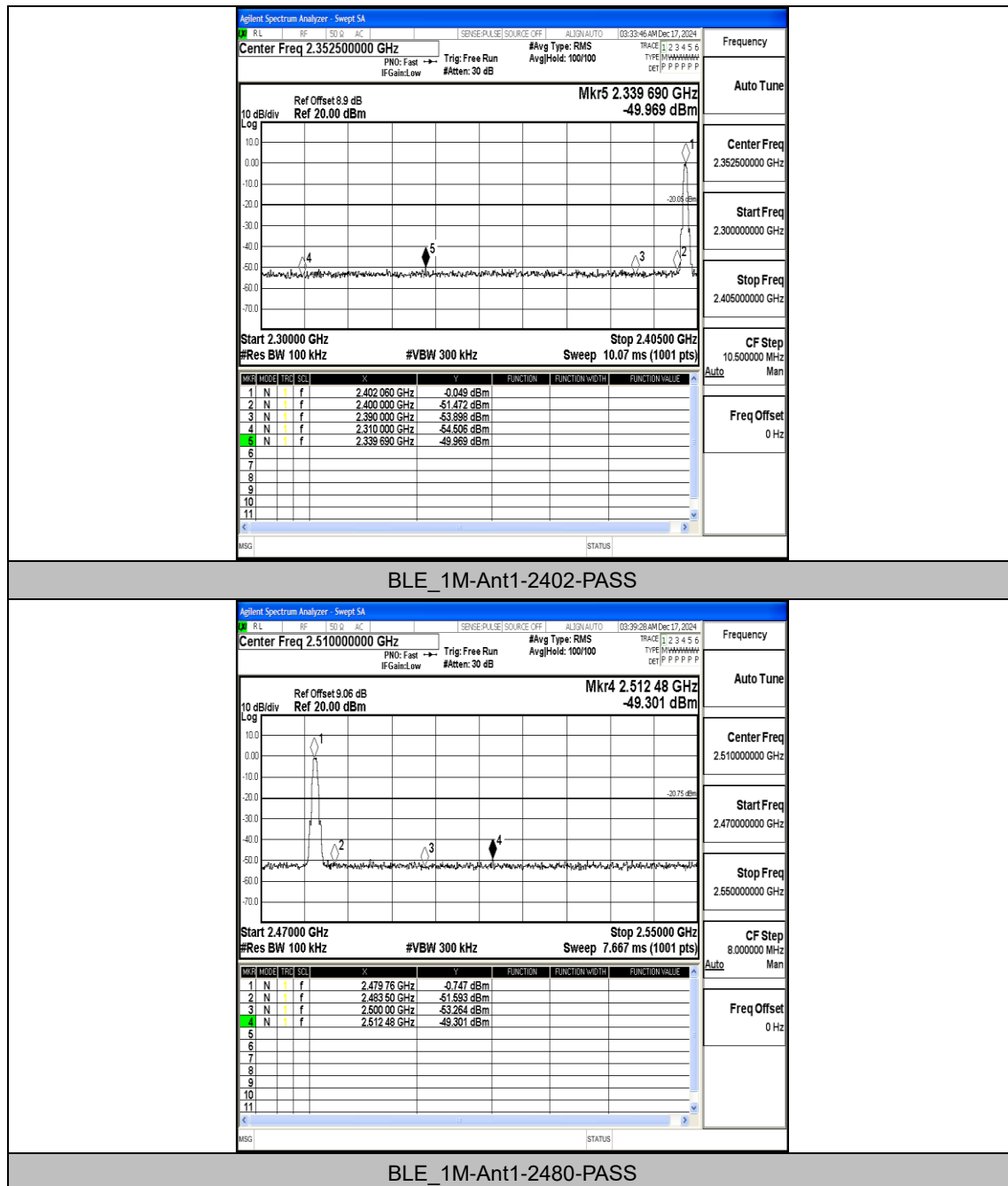


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.05	-49.97	≤-20.05	PASS
BLE_1M	Ant1	High	2480	-0.75	-49.3	≤-20.75	PASS

Test Graphs

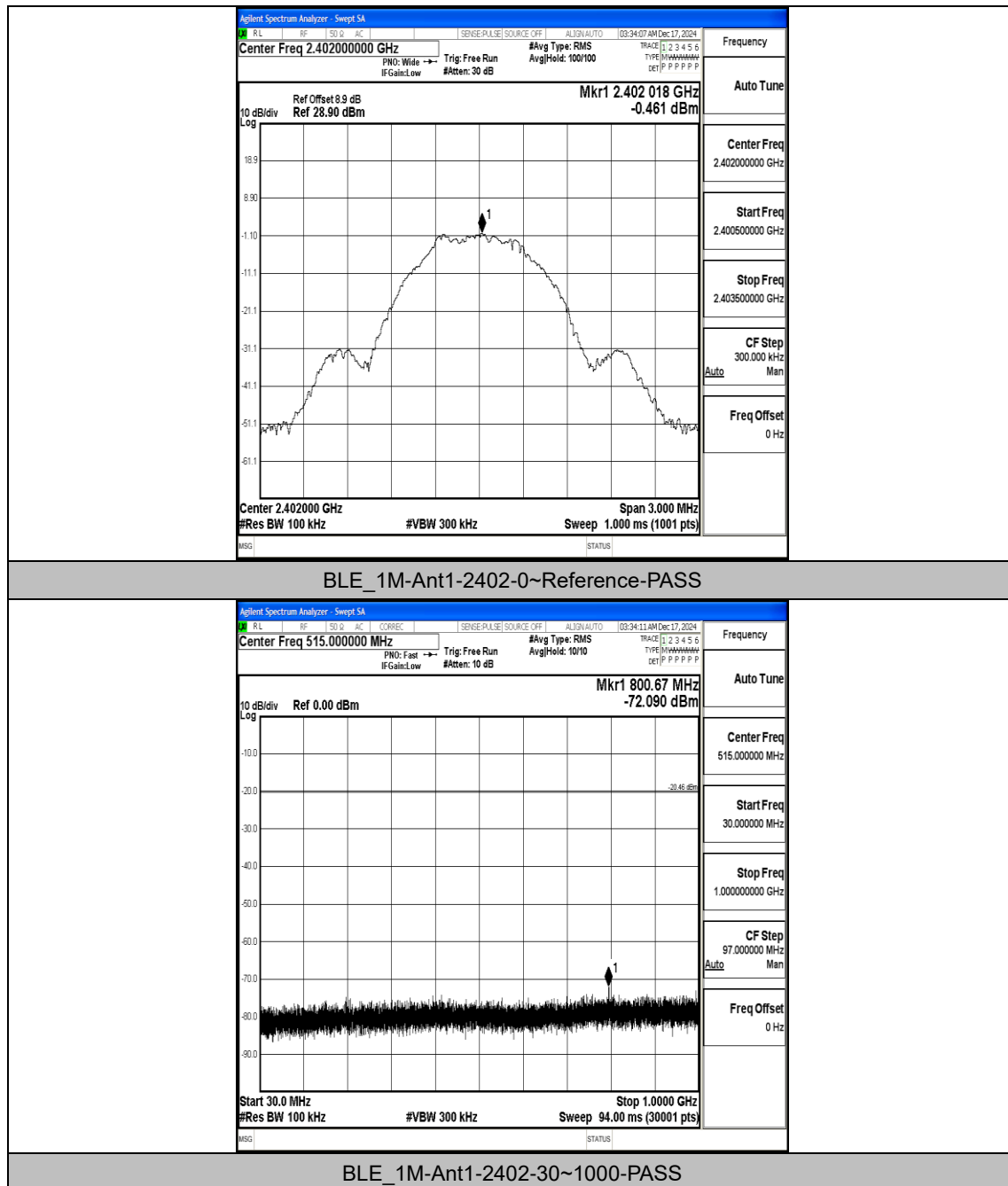


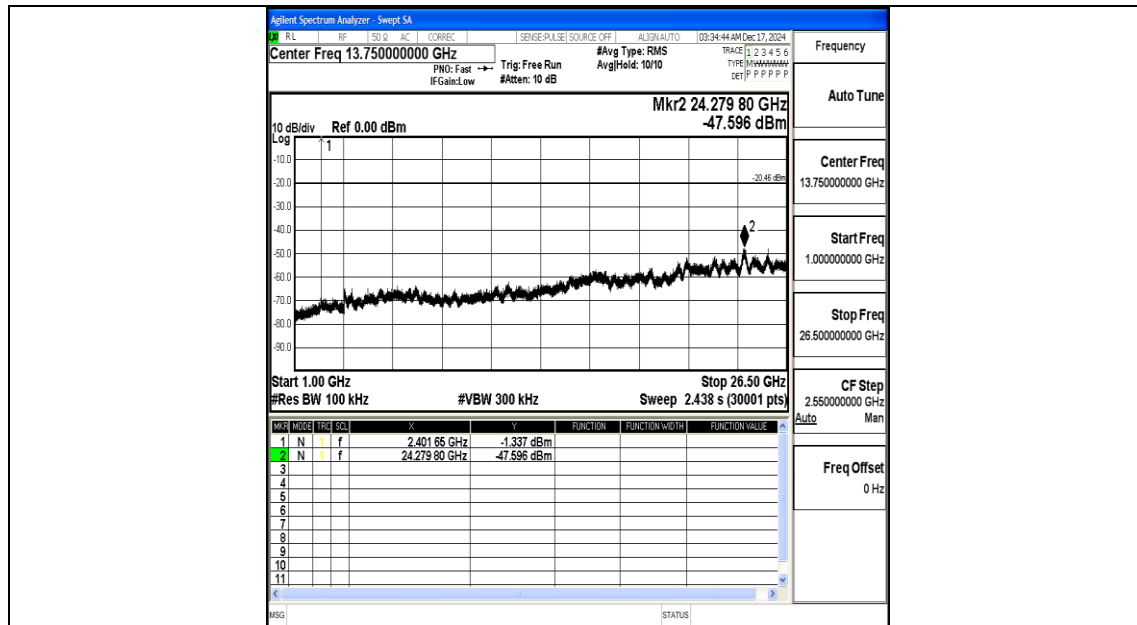
Appendix F: Conducted Spurious Emission

Test Result

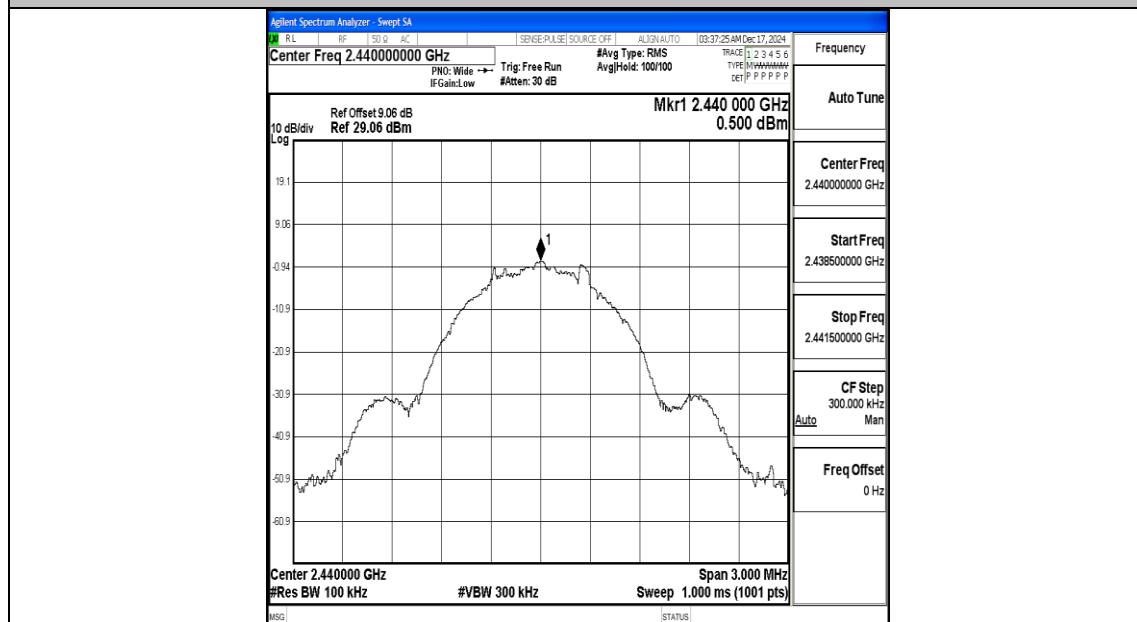
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.46	-0.46	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.46	-72.09	≤-20.46	PASS
BLE_1M	Ant1	2402	1000~26500	-0.46	-47.6	≤-20.46	PASS
BLE_1M	Ant1	2440	0~Reference	0.50	0.50	---	PASS
BLE_1M	Ant1	2440	30~1000	0.50	-70.13	≤-19.5	PASS
BLE_1M	Ant1	2440	1000~26500	0.50	-47.02	≤-19.5	PASS
BLE_1M	Ant1	2480	0~Reference	0.23	0.23	---	PASS
BLE_1M	Ant1	2480	30~1000	0.23	-65.77	≤-19.77	PASS
BLE_1M	Ant1	2480	1000~26500	0.23	-47.82	≤-19.77	PASS

Test Graphs

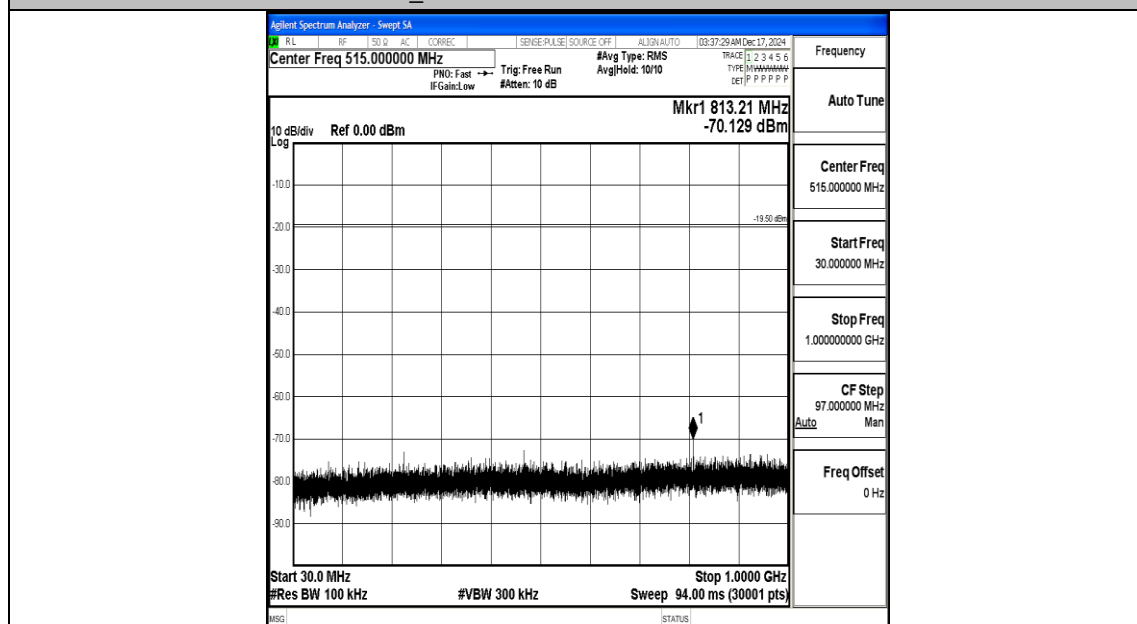




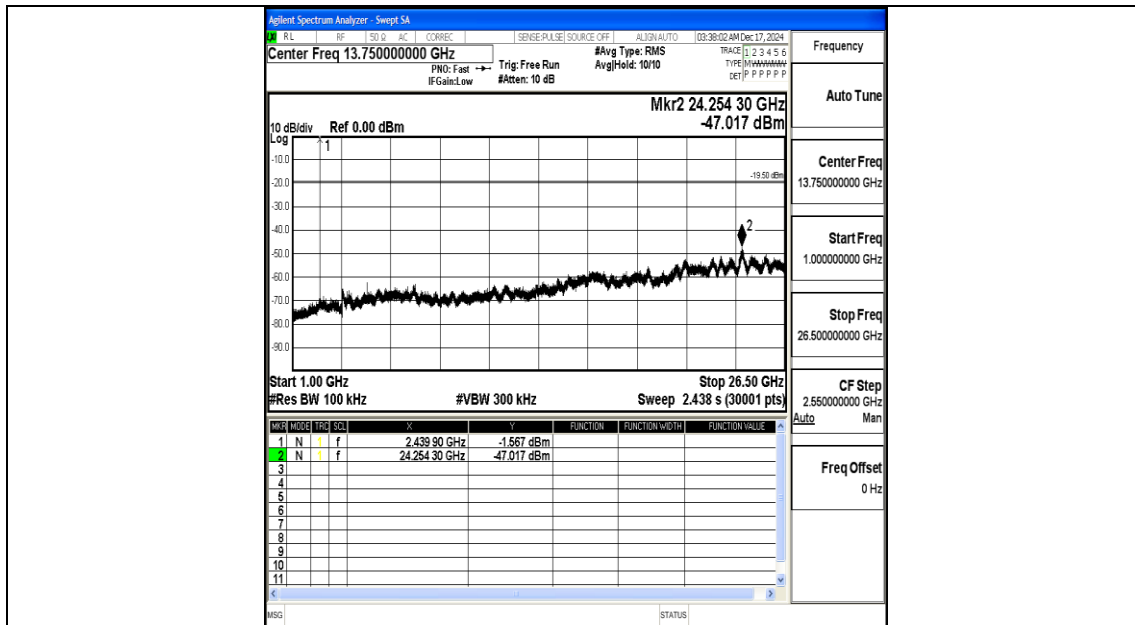
BLE_1M-Ant1-2402-1000~26500-PASS



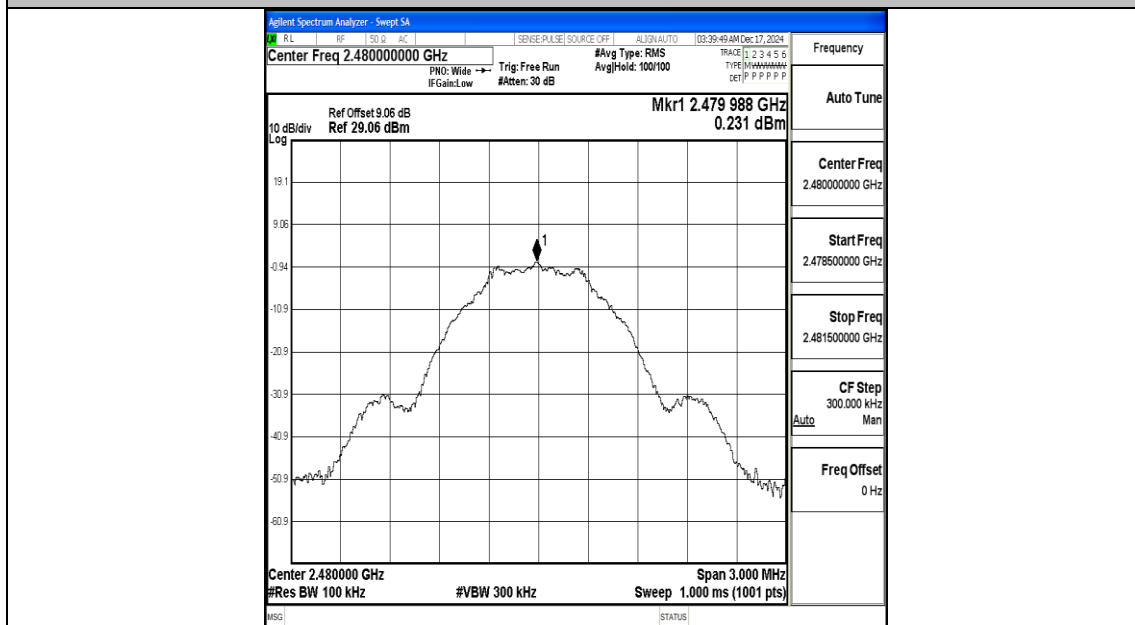
BLE_1M-Ant1-2440-0~Reference-PASS



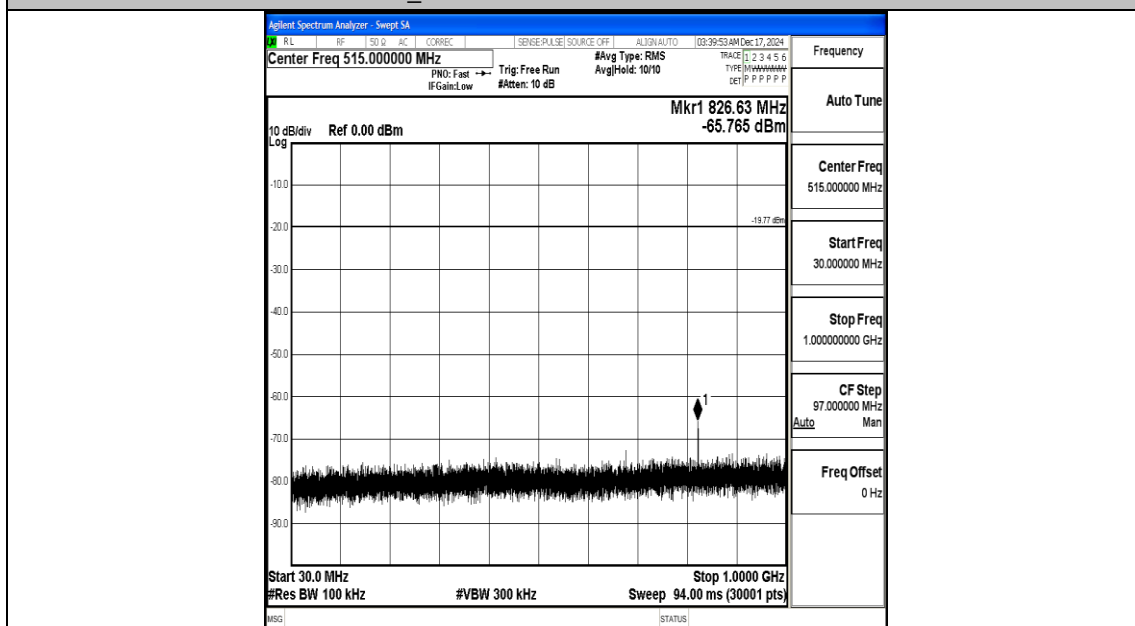
BLE_1M-Ant1-2440-30~1000-PASS



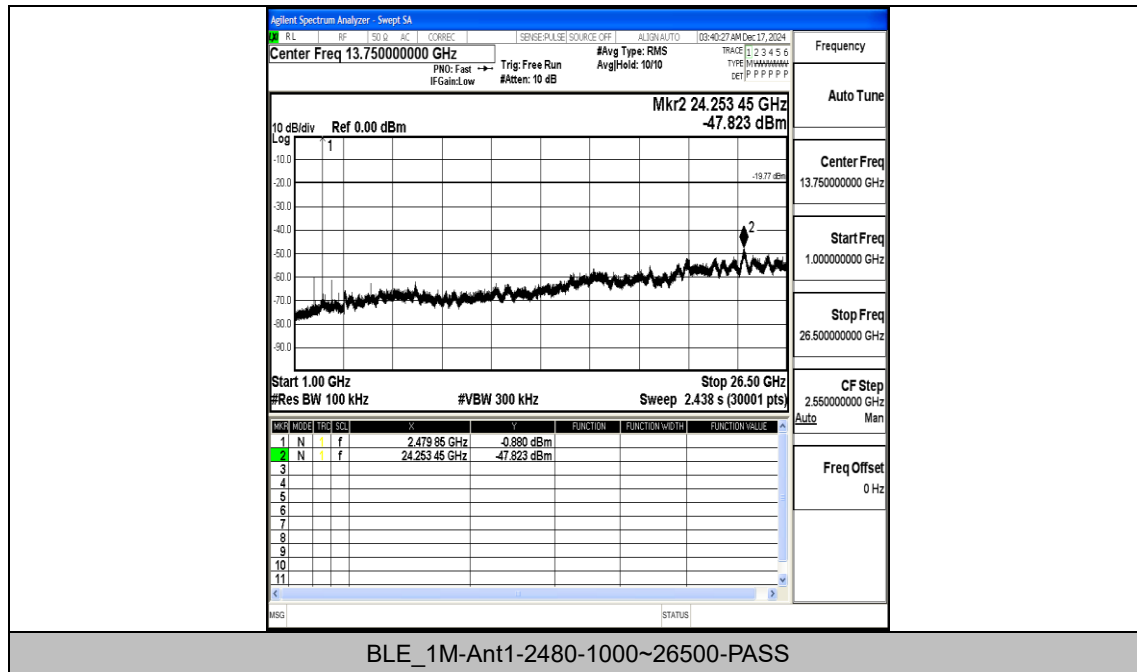
BLE_1M-Ant1-2440-1000~26500-PASS



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	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

