

Appendix Test Data for BLE (Conducted Measurement)

Product Name: AI Stabilizer

Trade Mark: N/A

Test Model: Q19

FCC ID: 2ASXW-Q19

Environmental Conditions

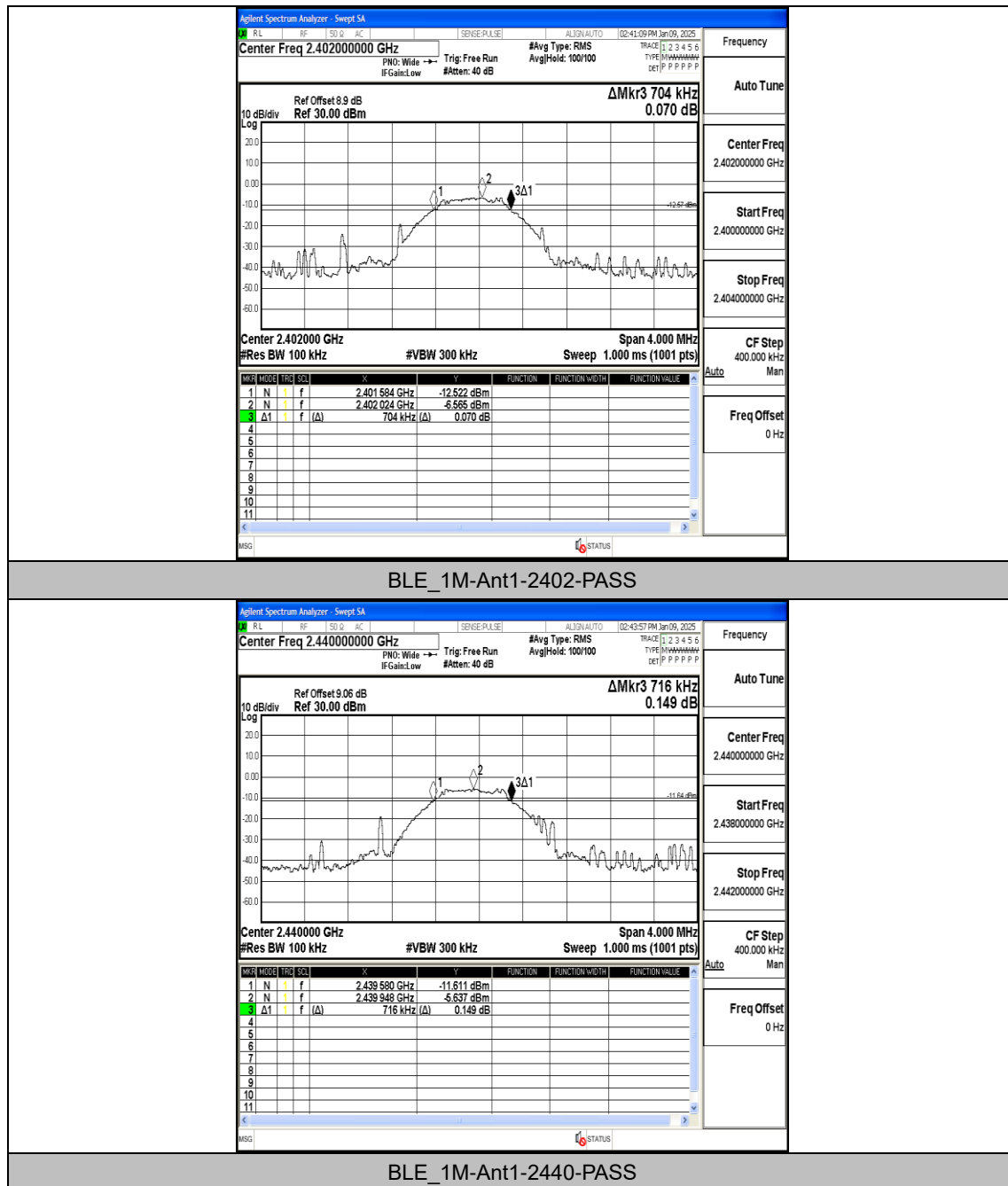
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

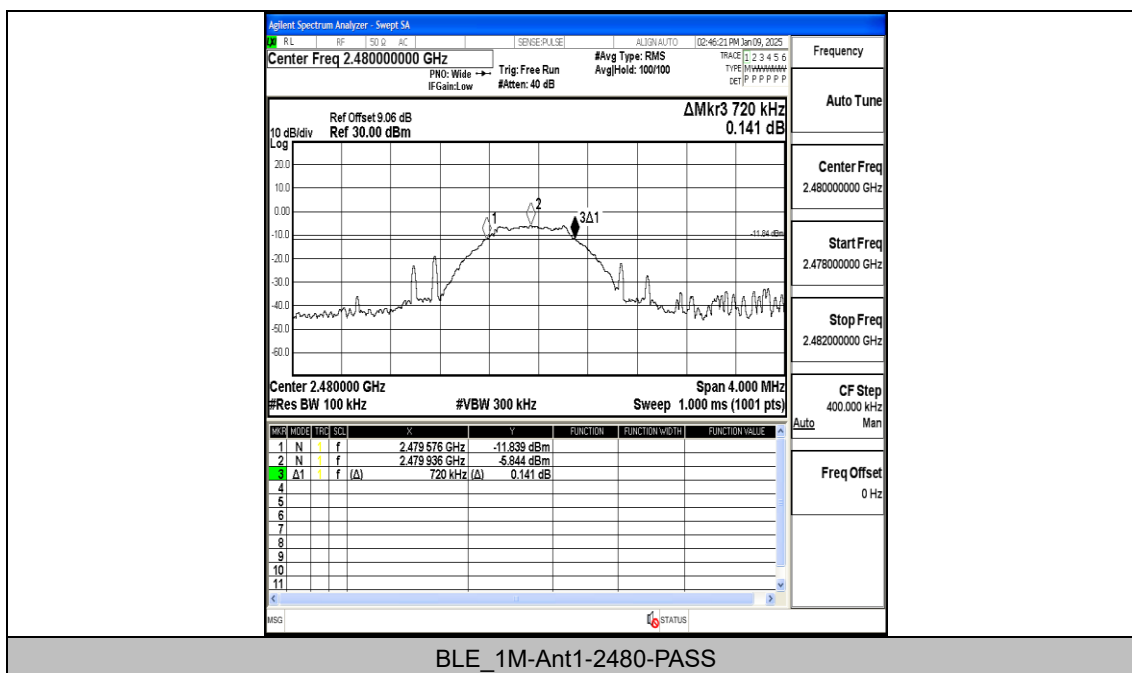
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.704	2401.584	2402.288	0.5	PASS
BLE_1M	Ant1	2440	0.716	2439.580	2440.296	0.5	PASS
BLE_1M	Ant1	2480	0.720	2479.576	2480.296	0.5	PASS

Test Graphs



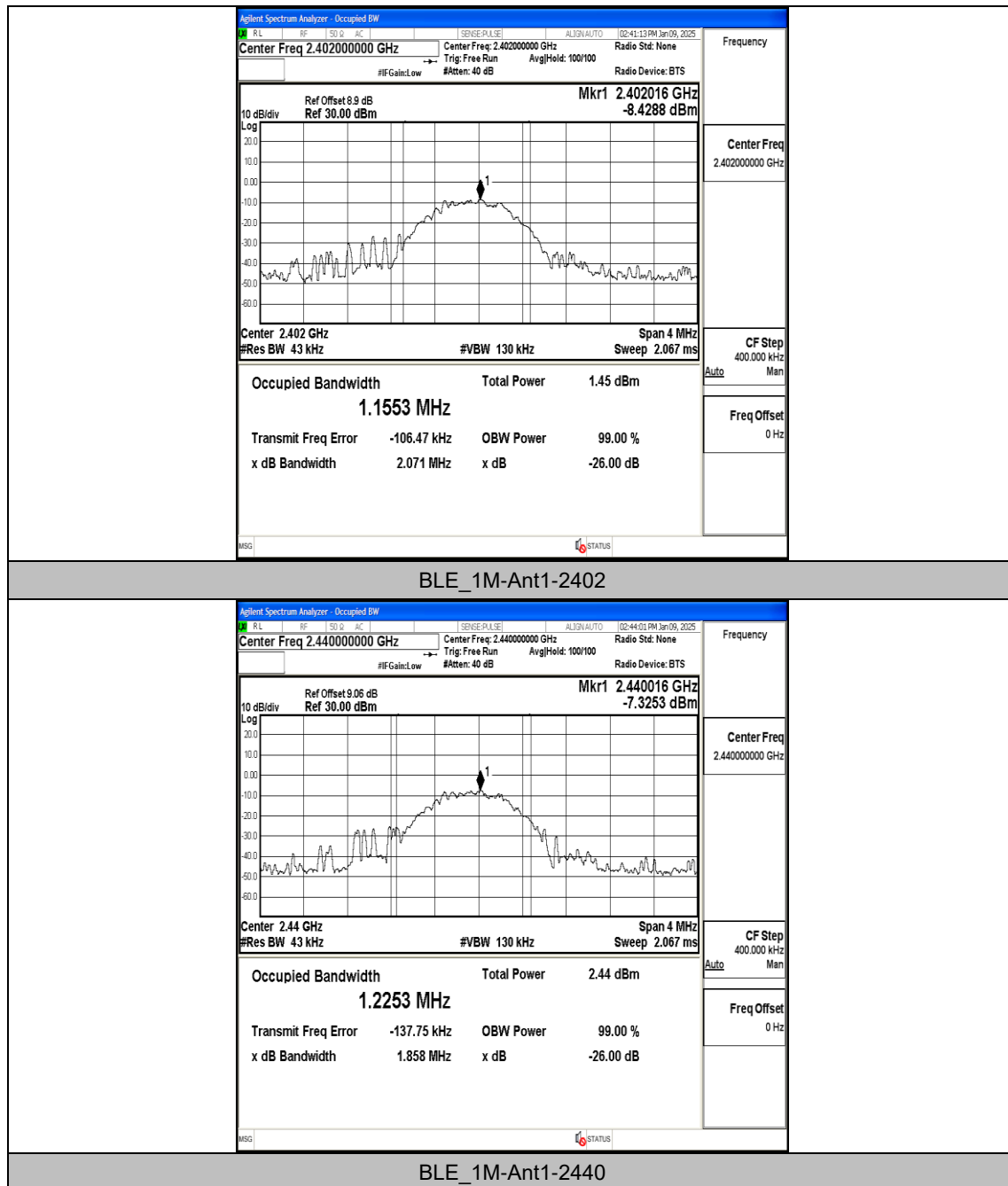


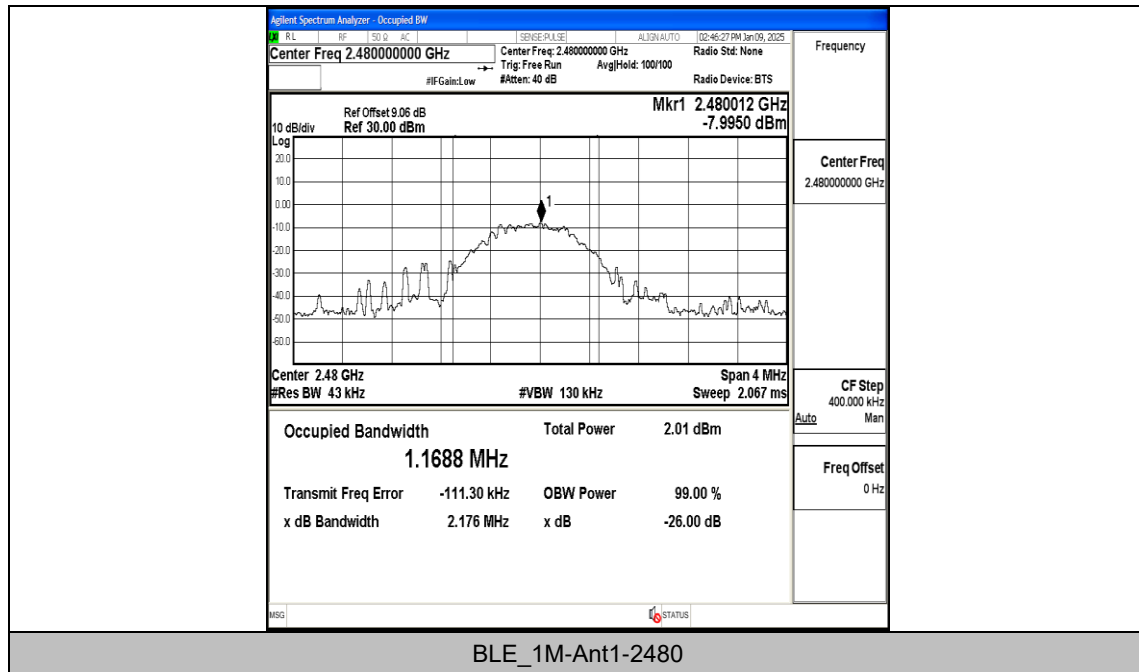
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.1553	2401.3159	2402.4712	---	---
BLE_1M	Ant1	2440	1.2253	2439.2496	2440.4749	---	---
BLE_1M	Ant1	2480	1.1688	2479.3043	2480.4731	---	---

Test Graphs



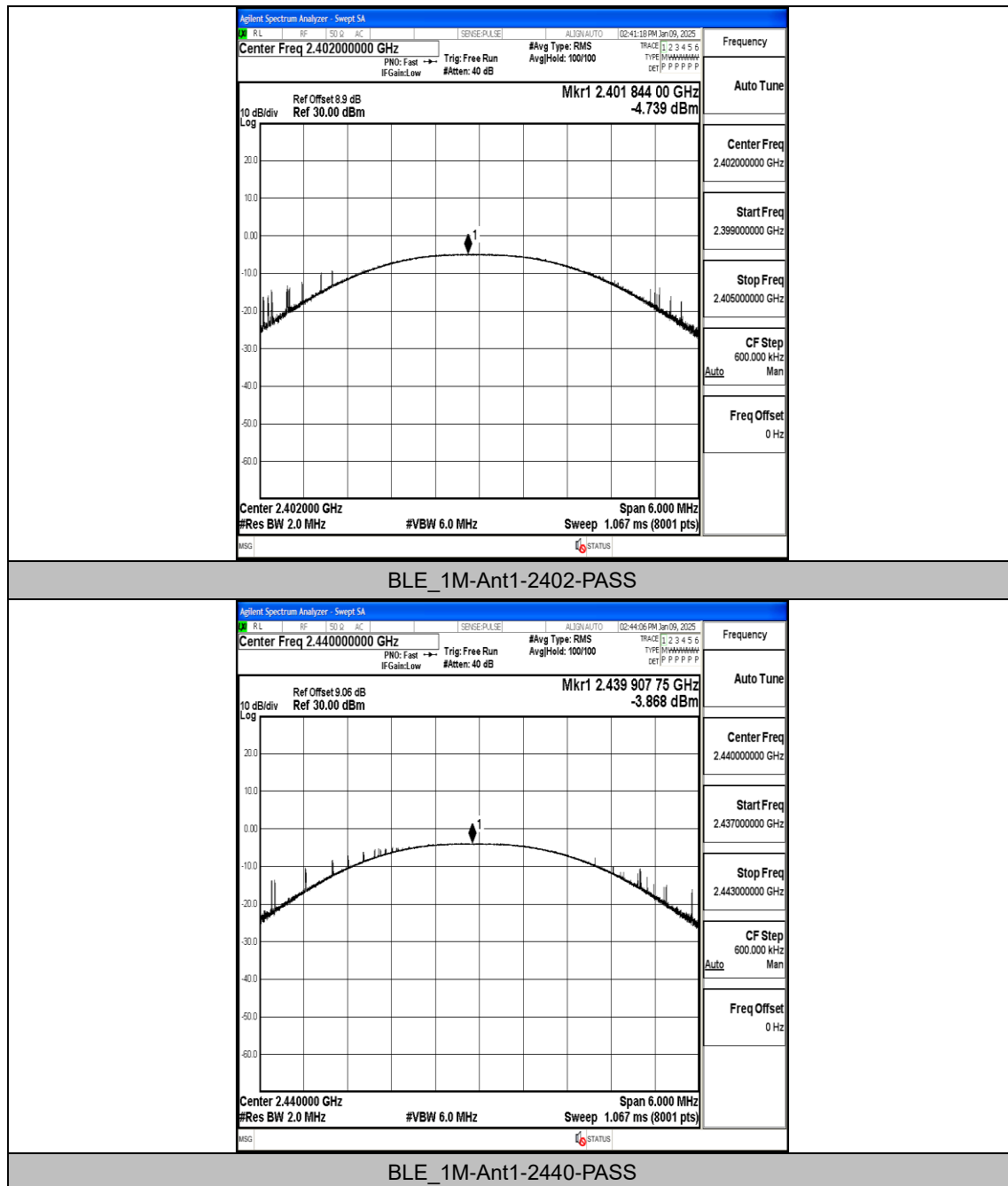


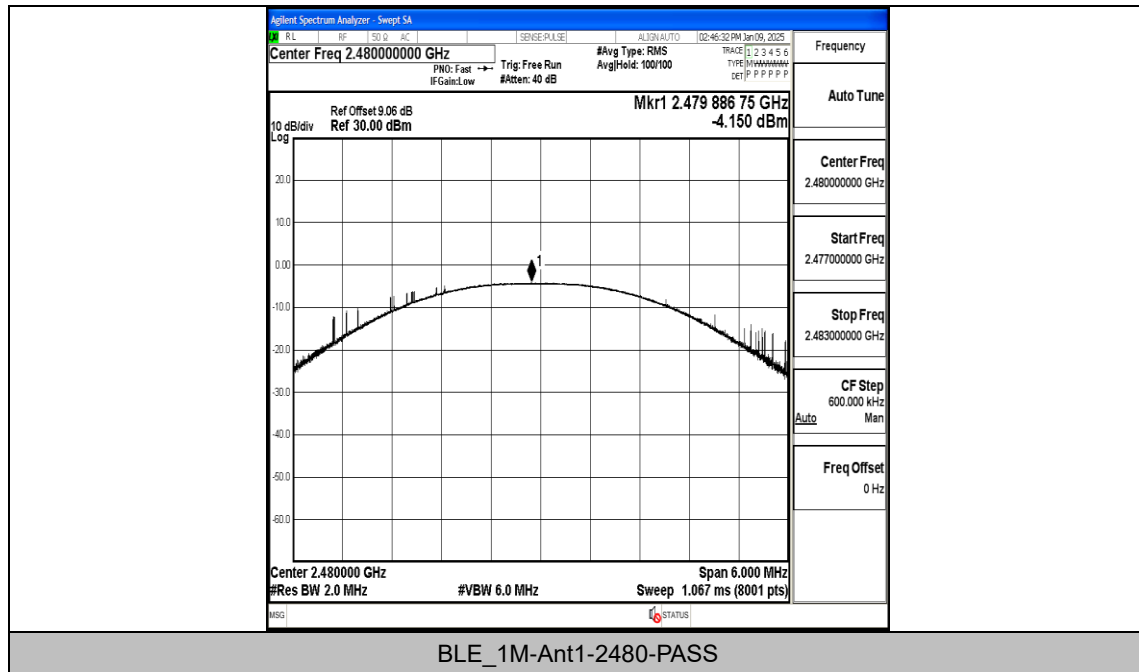
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-4.74	≤30	PASS
BLE_1M	Ant1	2440	-3.87	≤30	PASS
BLE_1M	Ant1	2480	-4.15	≤30	PASS

Test Graphs Peak



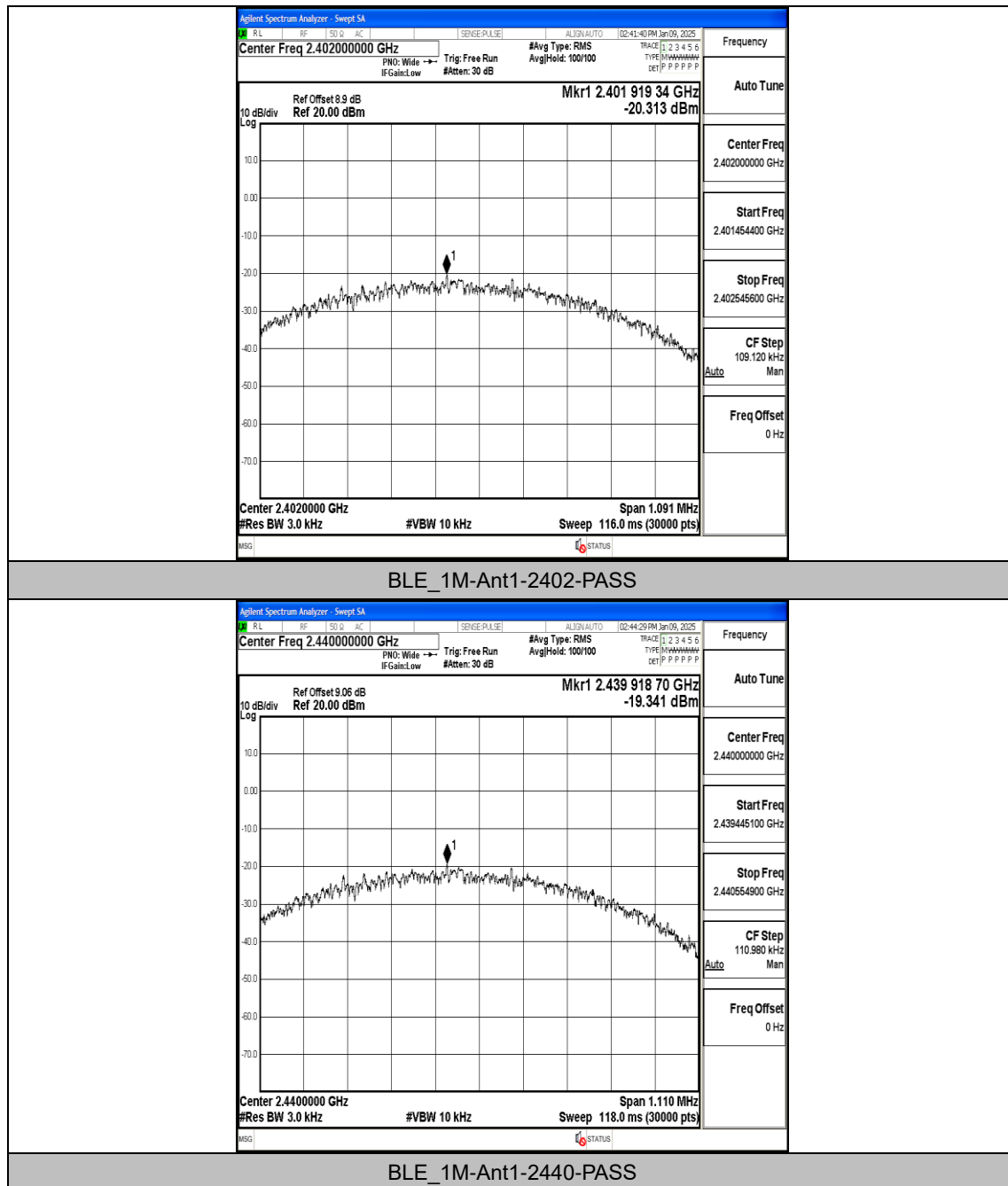


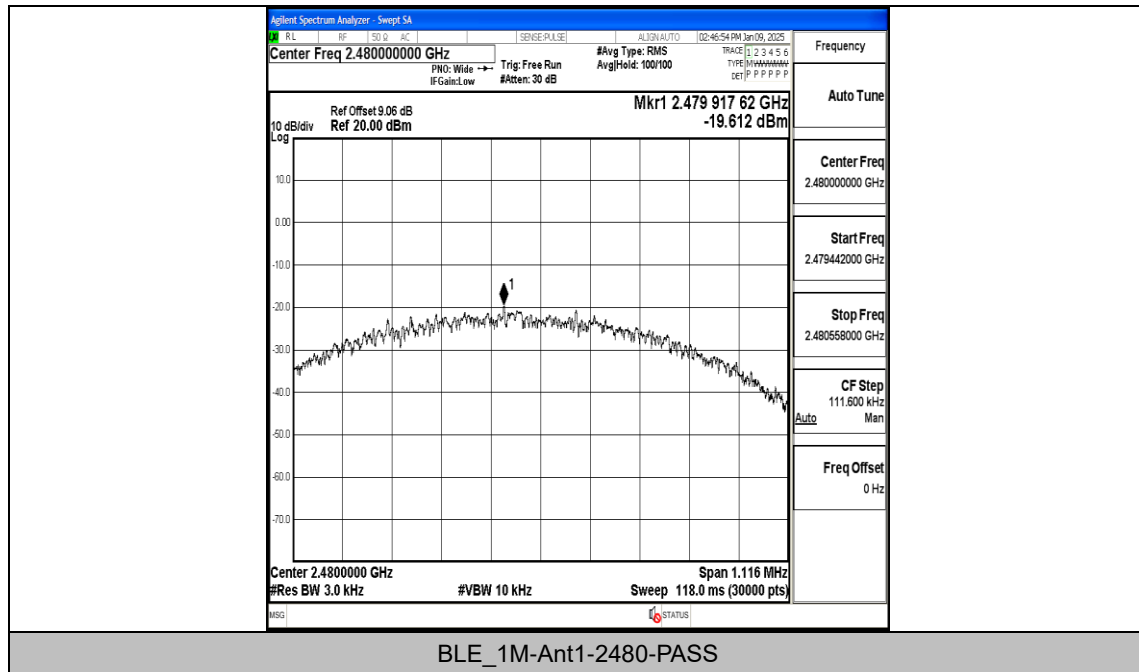
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.31	≤8.00	PASS
BLE_1M	Ant1	2440	-19.34	≤8.00	PASS
BLE_1M	Ant1	2480	-19.61	≤8.00	PASS

Test Graphs



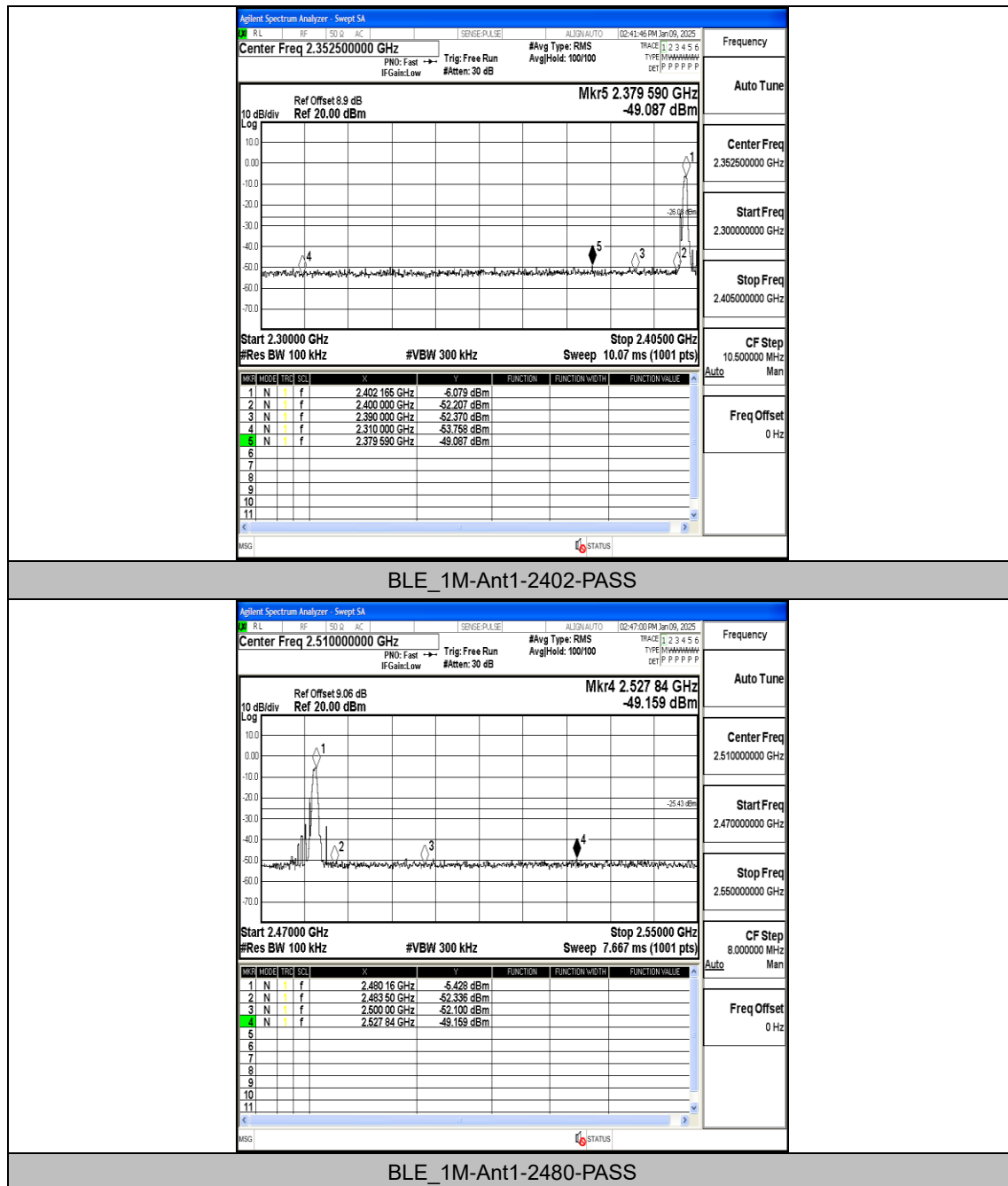


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-6.08	-49.09	≤-26.08	PASS
BLE_1M	Ant1	High	2480	-5.43	-49.16	≤-25.43	PASS

Test Graphs

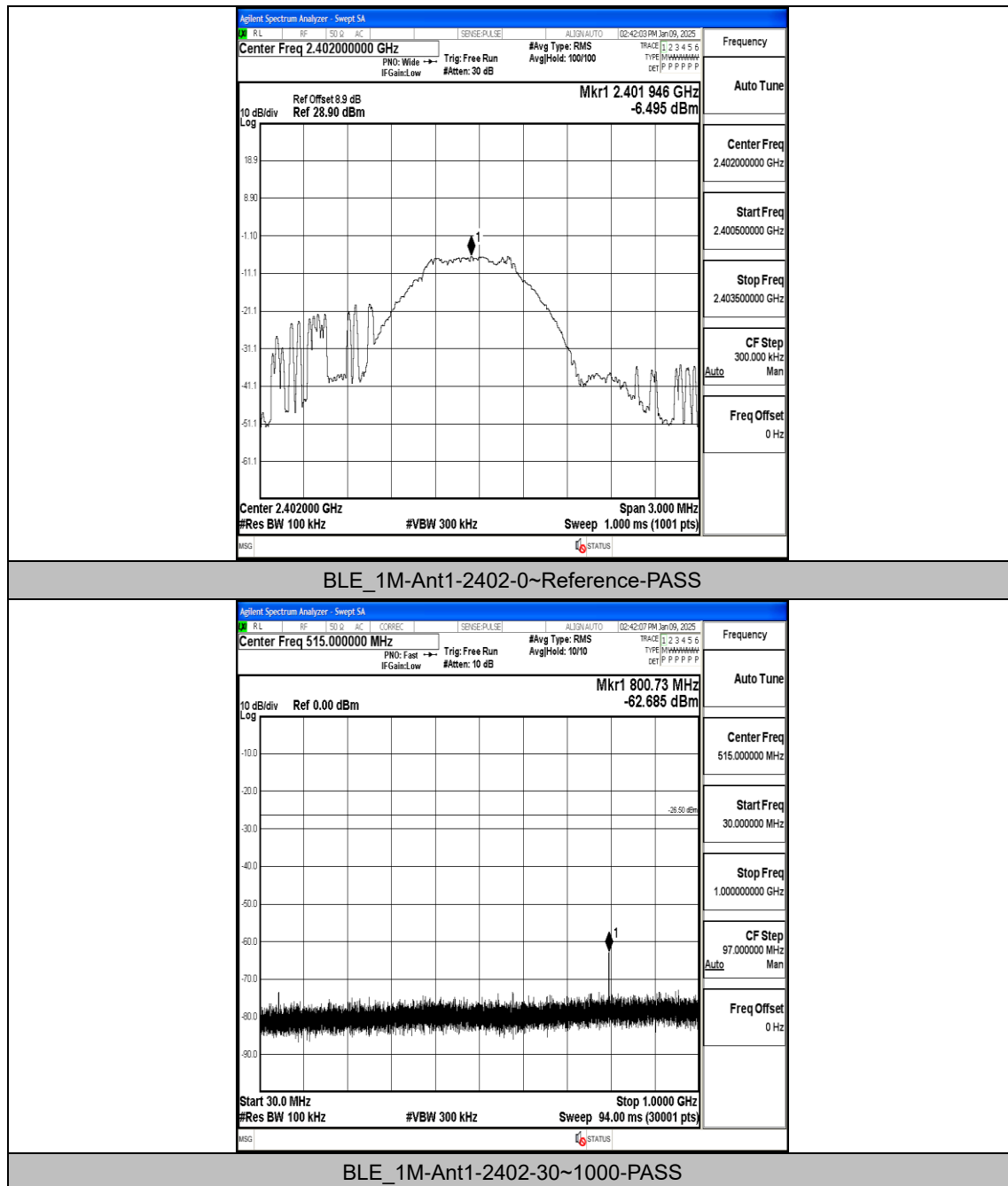


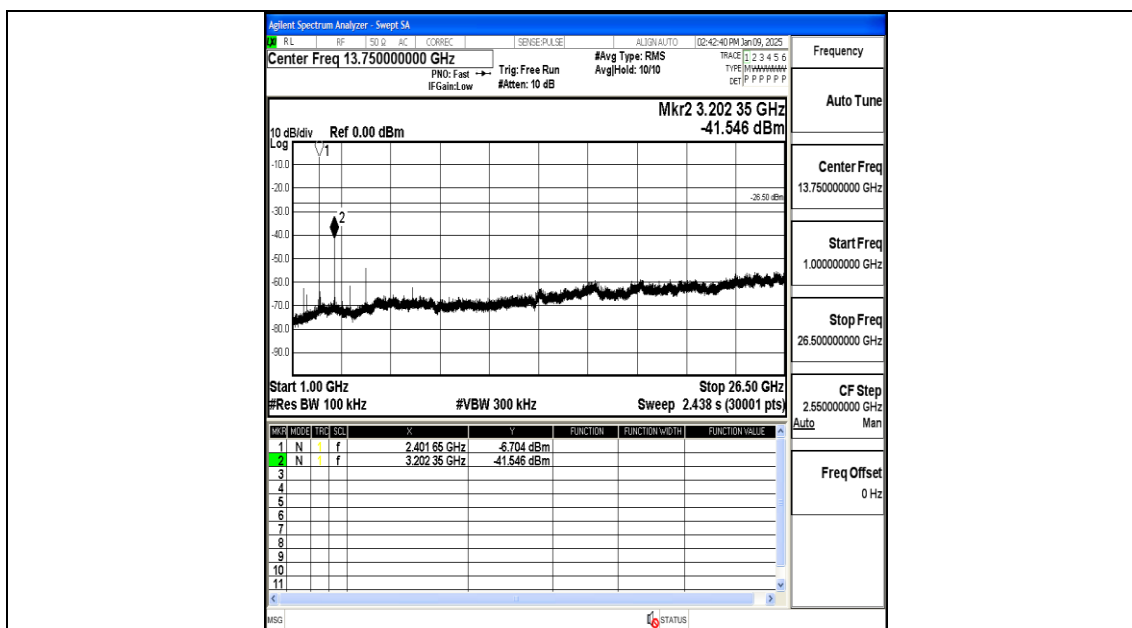
Appendix F: Conducted Spurious Emission

Test Result

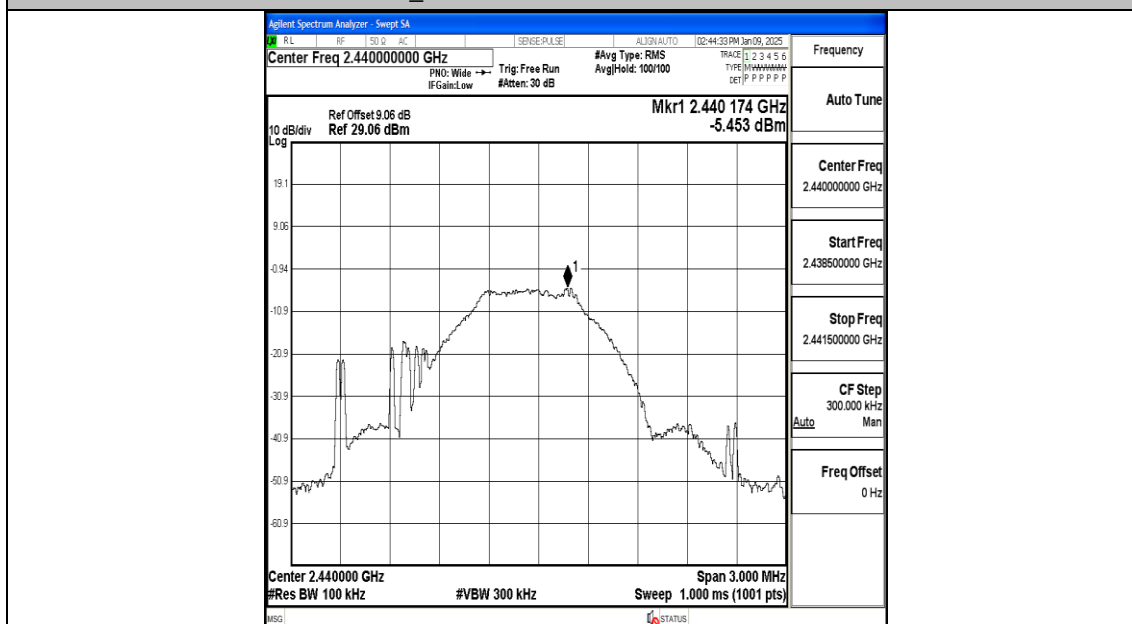
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-6.50	-6.50	---	PASS
BLE_1M	Ant1	2402	30~1000	-6.50	-62.69	≤-26.5	PASS
BLE_1M	Ant1	2402	1000~26500	-6.50	-41.55	≤-26.5	PASS
BLE_1M	Ant1	2440	0~Reference	-5.45	-5.45	---	PASS
BLE_1M	Ant1	2440	30~1000	-5.45	-61.01	≤-25.45	PASS
BLE_1M	Ant1	2440	1000~26500	-5.45	-40.13	≤-25.45	PASS
BLE_1M	Ant1	2480	0~Reference	-5.65	-5.65	---	PASS
BLE_1M	Ant1	2480	30~1000	-5.65	-63.79	≤-25.65	PASS
BLE_1M	Ant1	2480	1000~26500	-5.65	-40.87	≤-25.65	PASS

Test Graphs

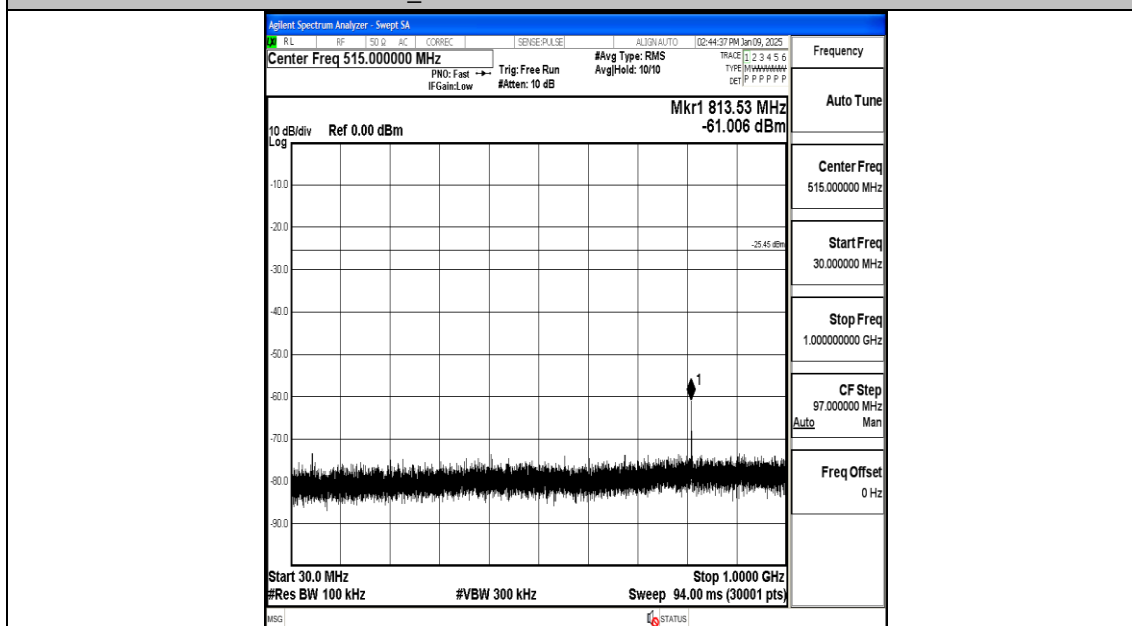




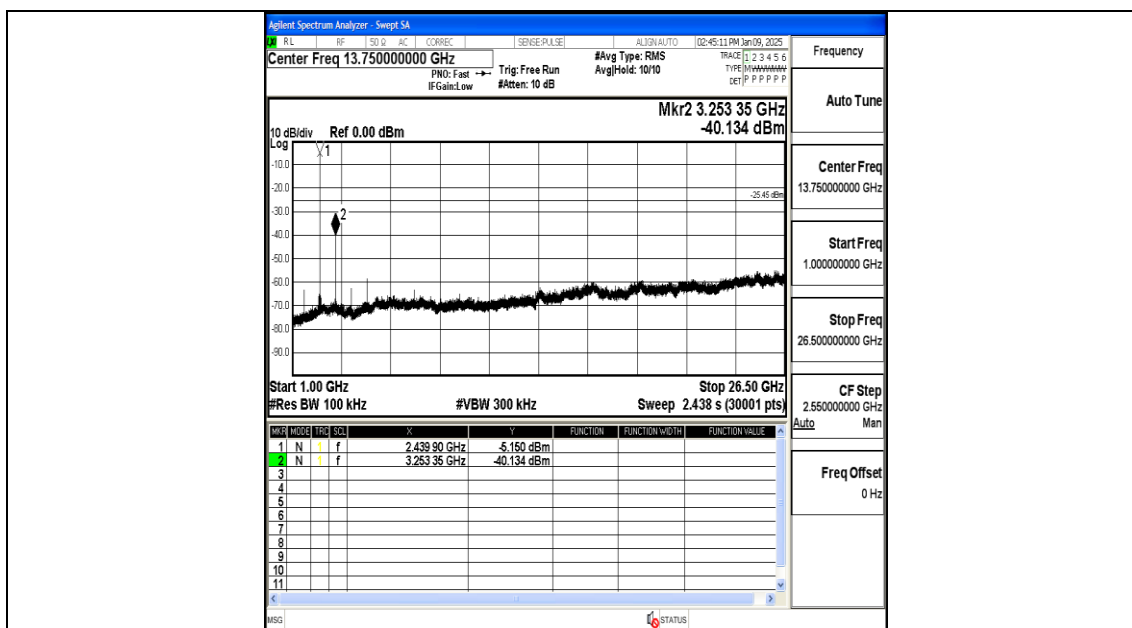
BLE_1M-Ant1-2402-1000~26500-PASS



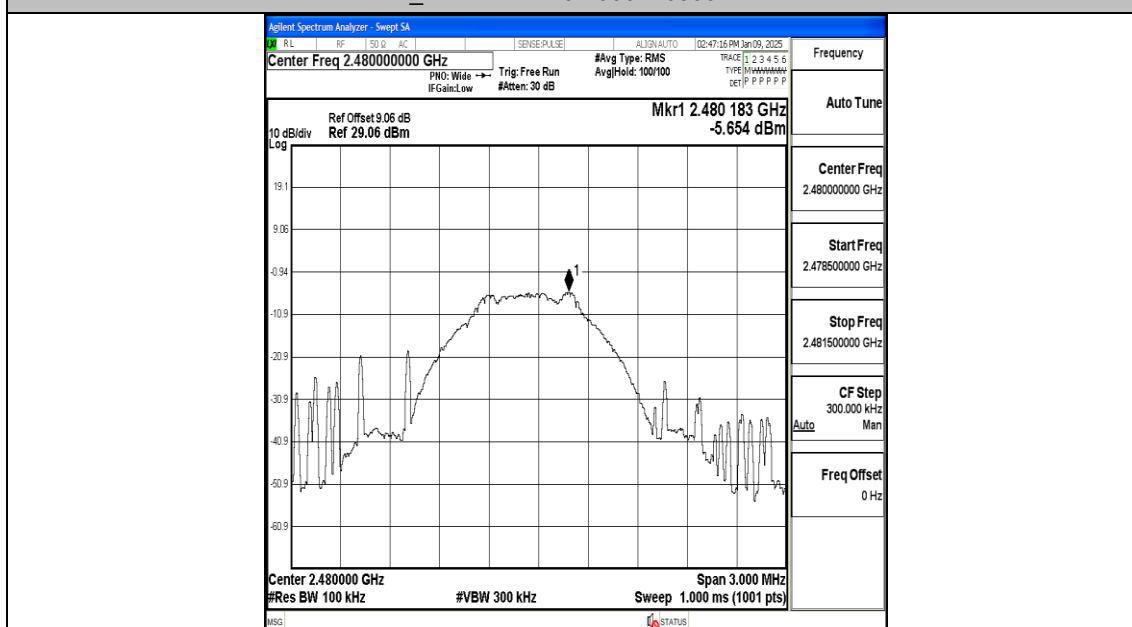
BLE_1M-Ant1-2440-0~Reference-PASS



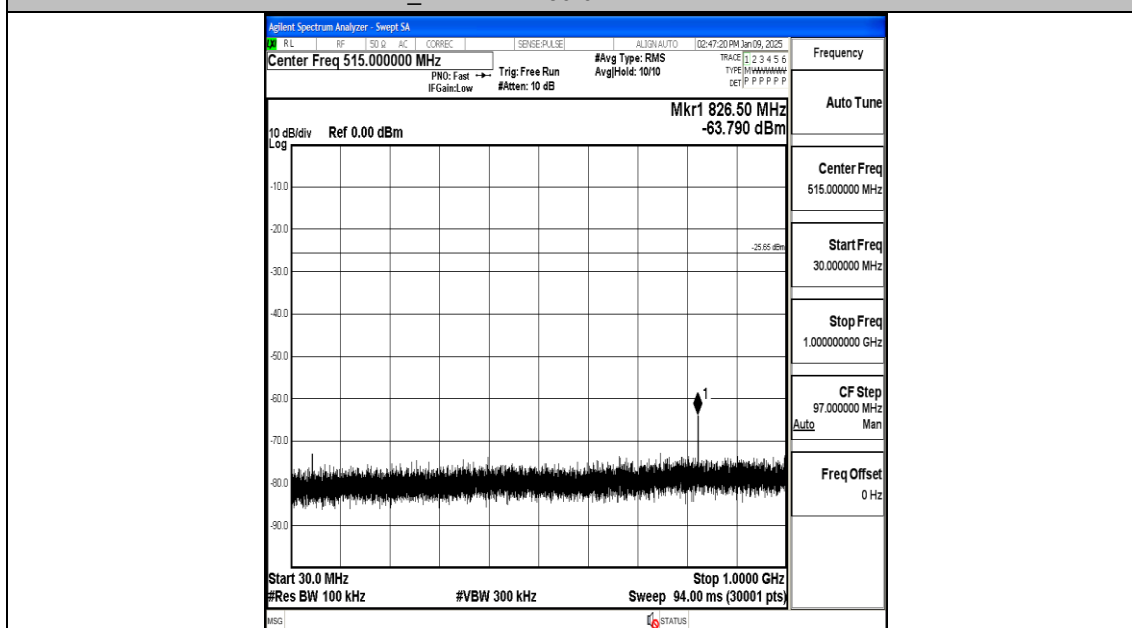
BLE_1M-Ant1-2440-30~1000-PASS



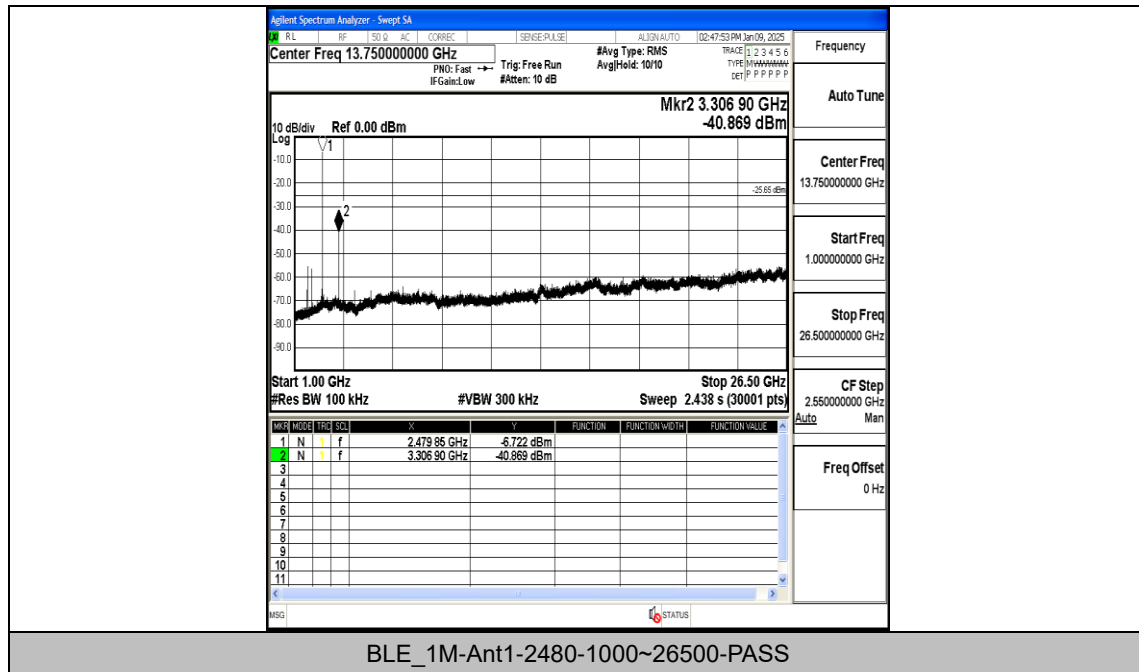
BLE_1M-Ant1-2440-1000~26500-PASS



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

