

Appendix Test Data for BLE (Conducted Measurement)

Product Name: Smart Door Lock

Trade Mark: Fmeun

Test Model: E06-f

FCC ID: 2BFAV-E06F

Environmental Conditions

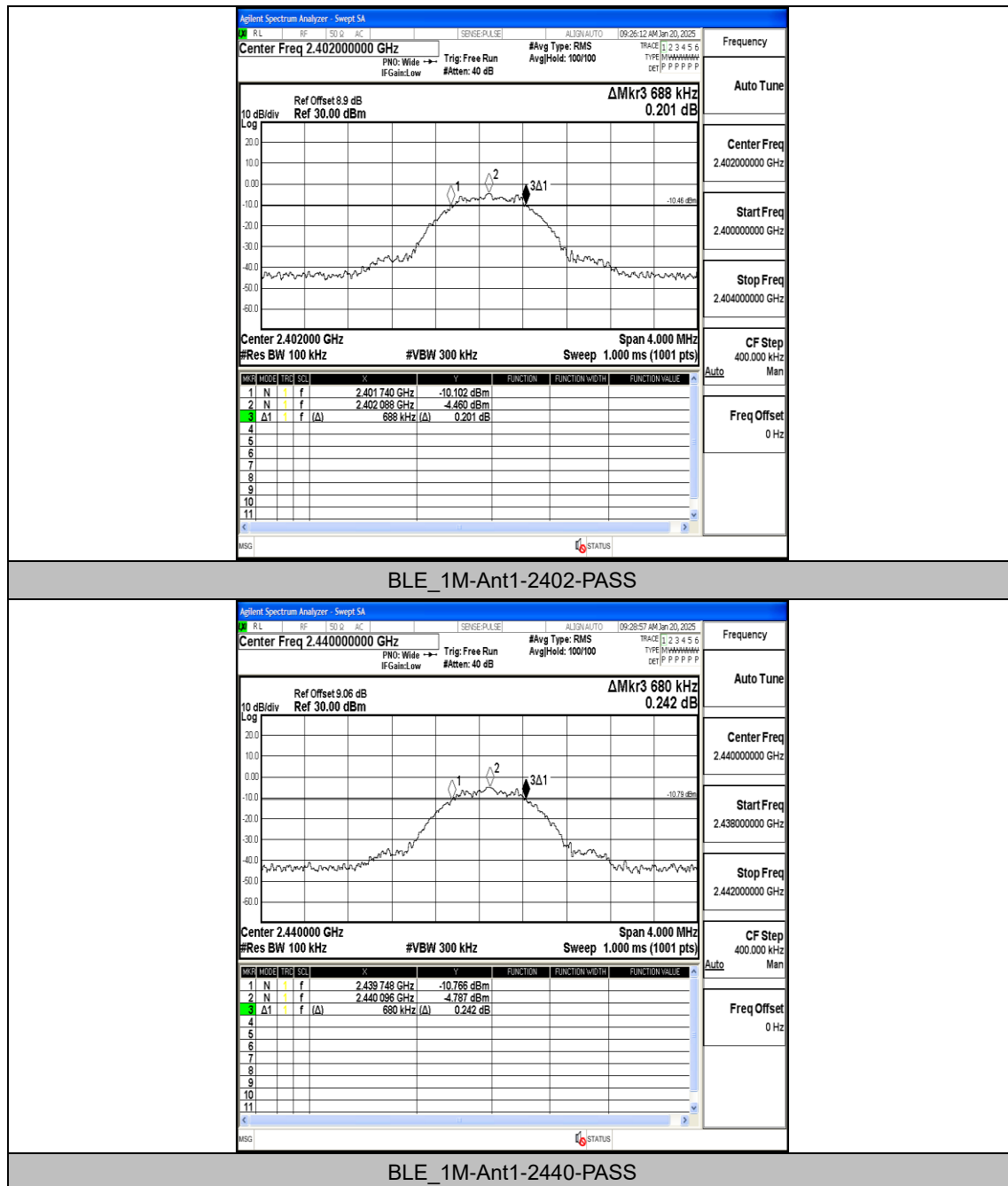
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

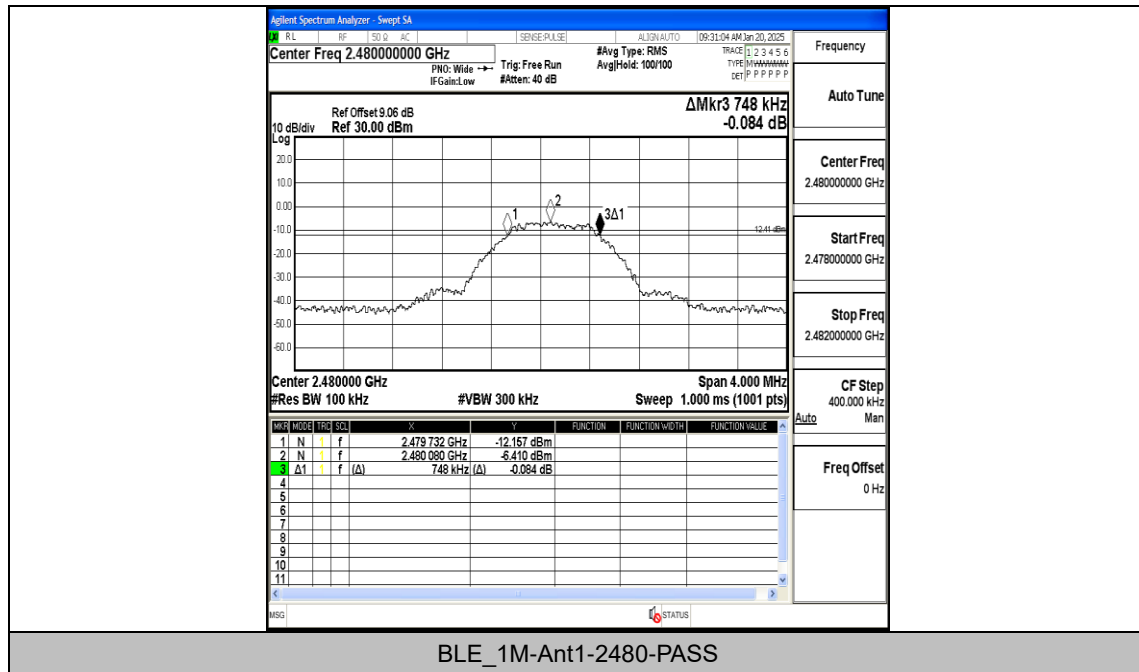
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.740	2402.428	0.5	PASS
BLE_1M	Ant1	2440	0.680	2439.748	2440.428	0.5	PASS
BLE_1M	Ant1	2480	0.748	2479.732	2480.480	0.5	PASS

Test Graphs



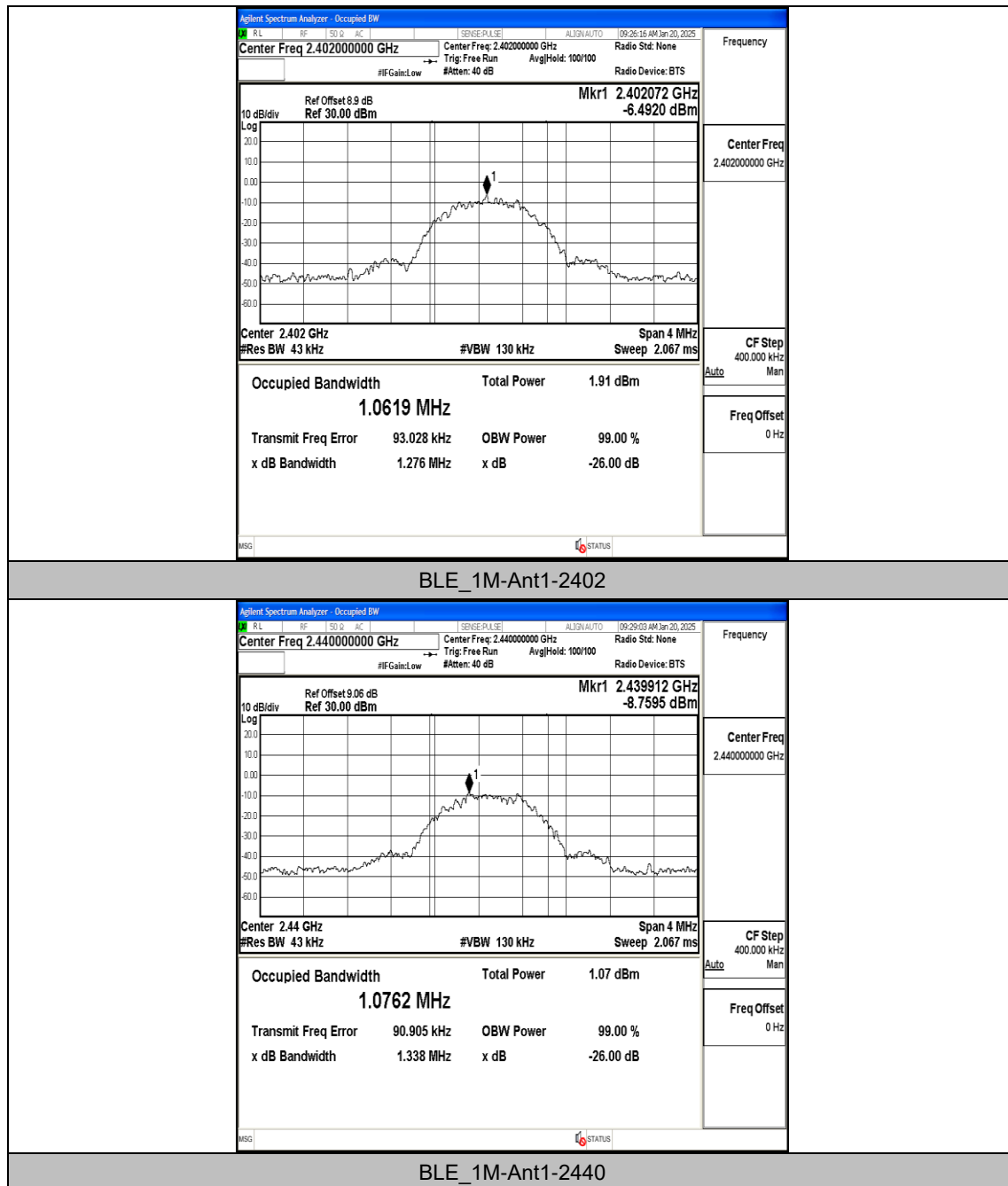


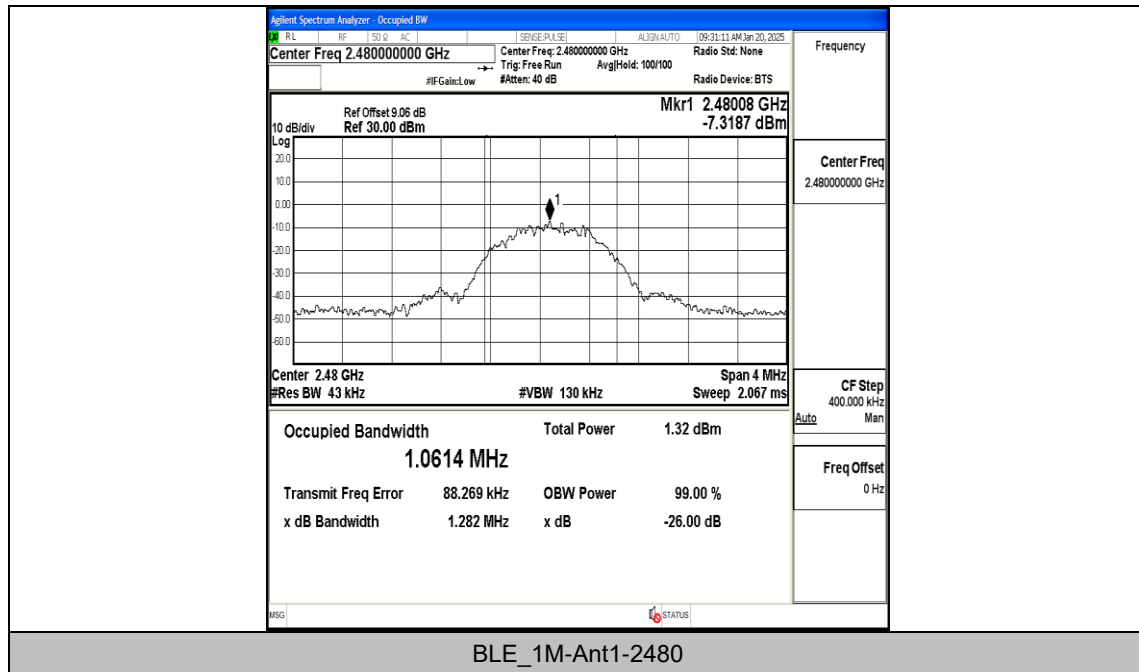
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0619	2401.5621	2402.6240	---	---
BLE_1M	Ant1	2440	1.0762	2439.5528	2440.6290	---	---
BLE_1M	Ant1	2480	1.0614	2479.5576	2480.6190	---	---

Test Graphs



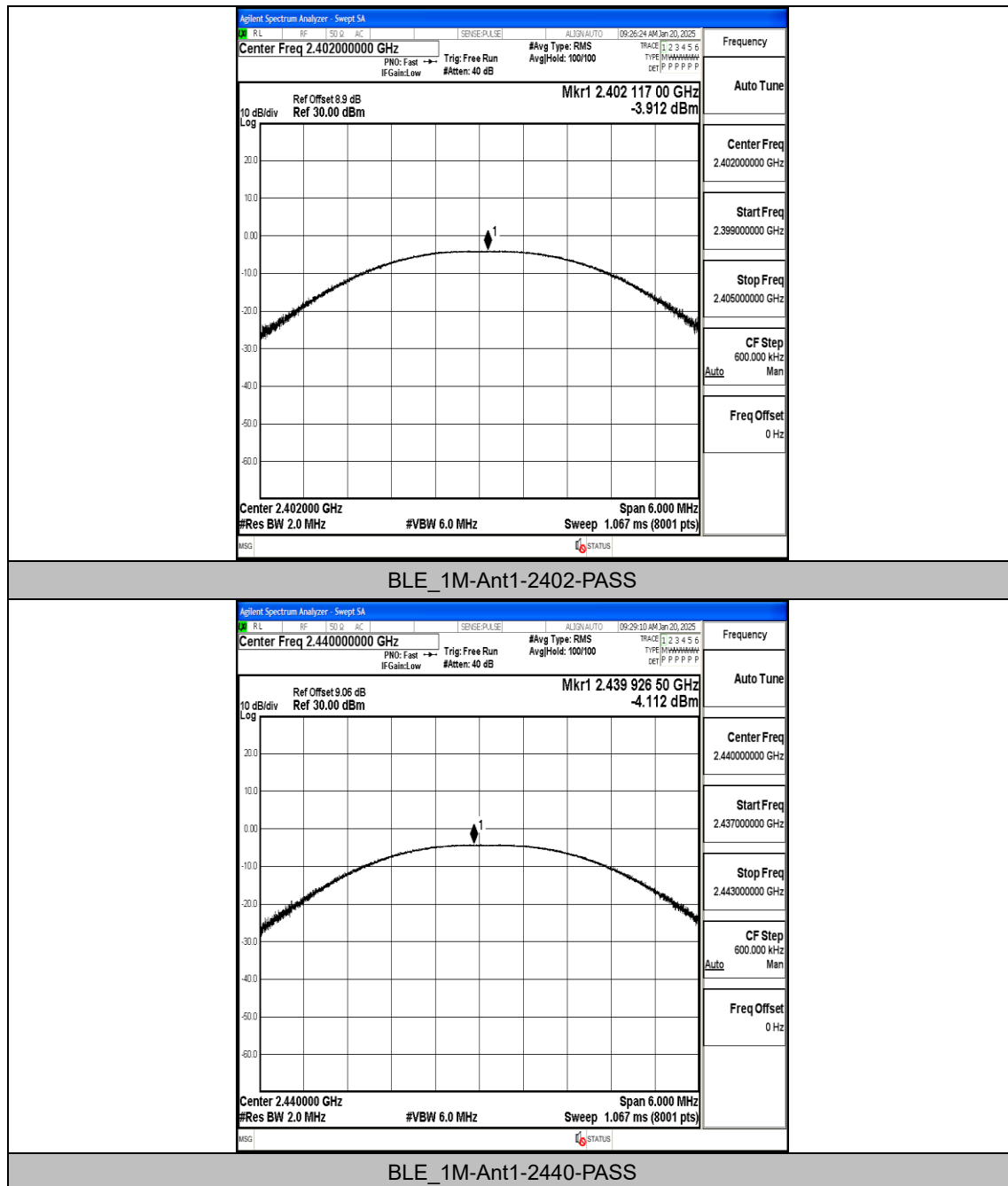


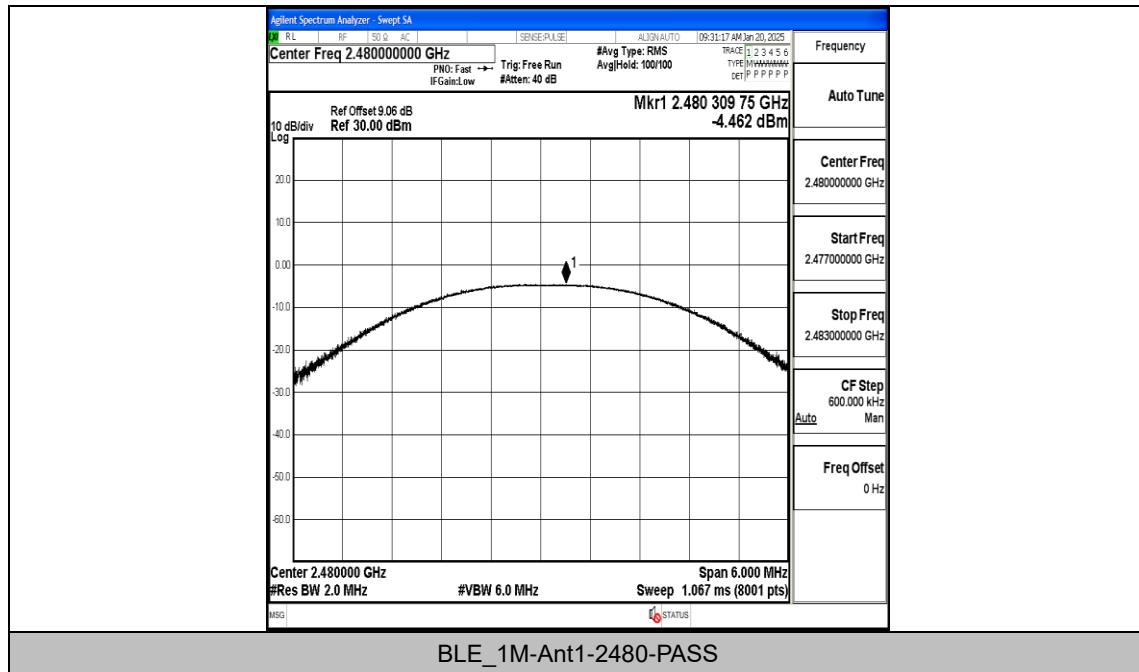
Appendix C: Maximum peak conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-3.91	≤30	PASS
BLE_1M	Ant1	2440	-4.11	≤30	PASS
BLE_1M	Ant1	2480	-4.46	≤30	PASS

Test Graphs Peak



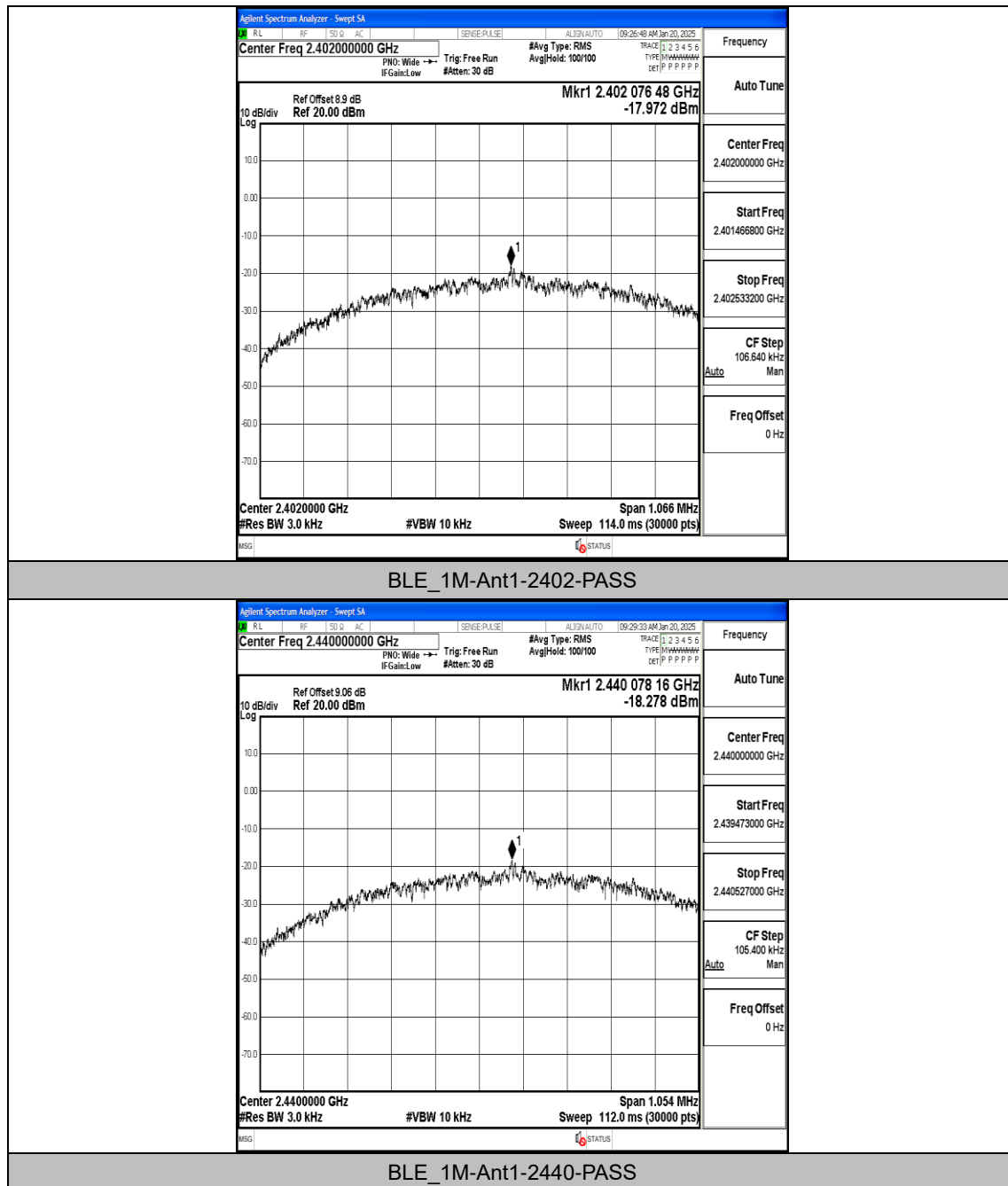


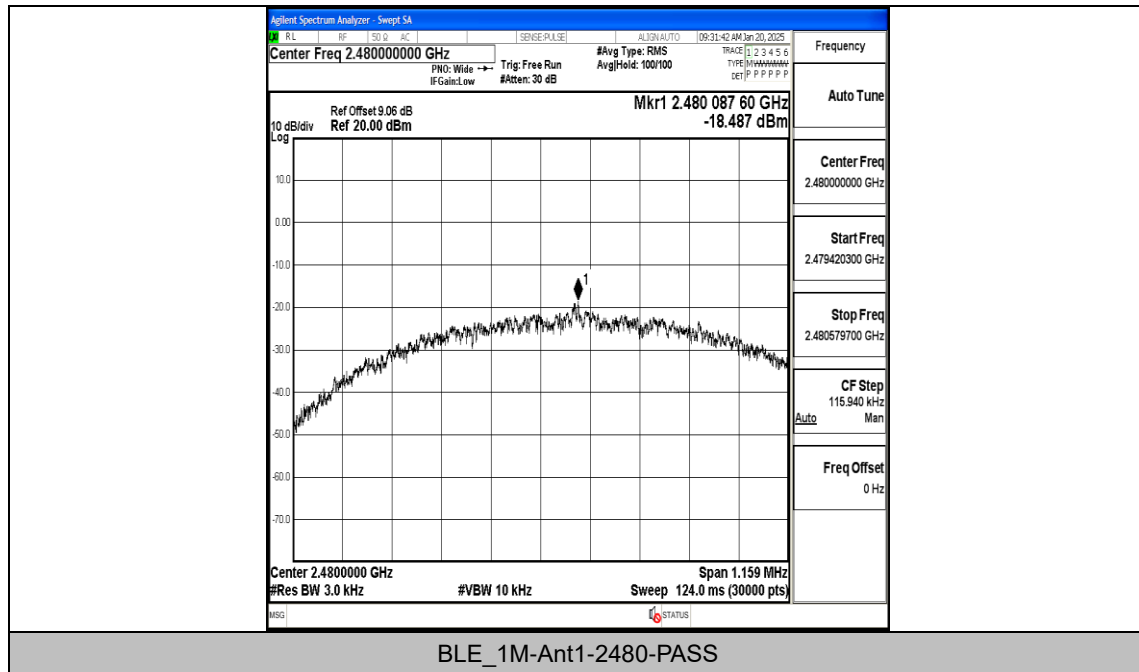
Appendix D: Maximum peak power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.97	≤8.00	PASS
BLE_1M	Ant1	2440	-18.28	≤8.00	PASS
BLE_1M	Ant1	2480	-18.49	≤8.00	PASS

Test Graphs



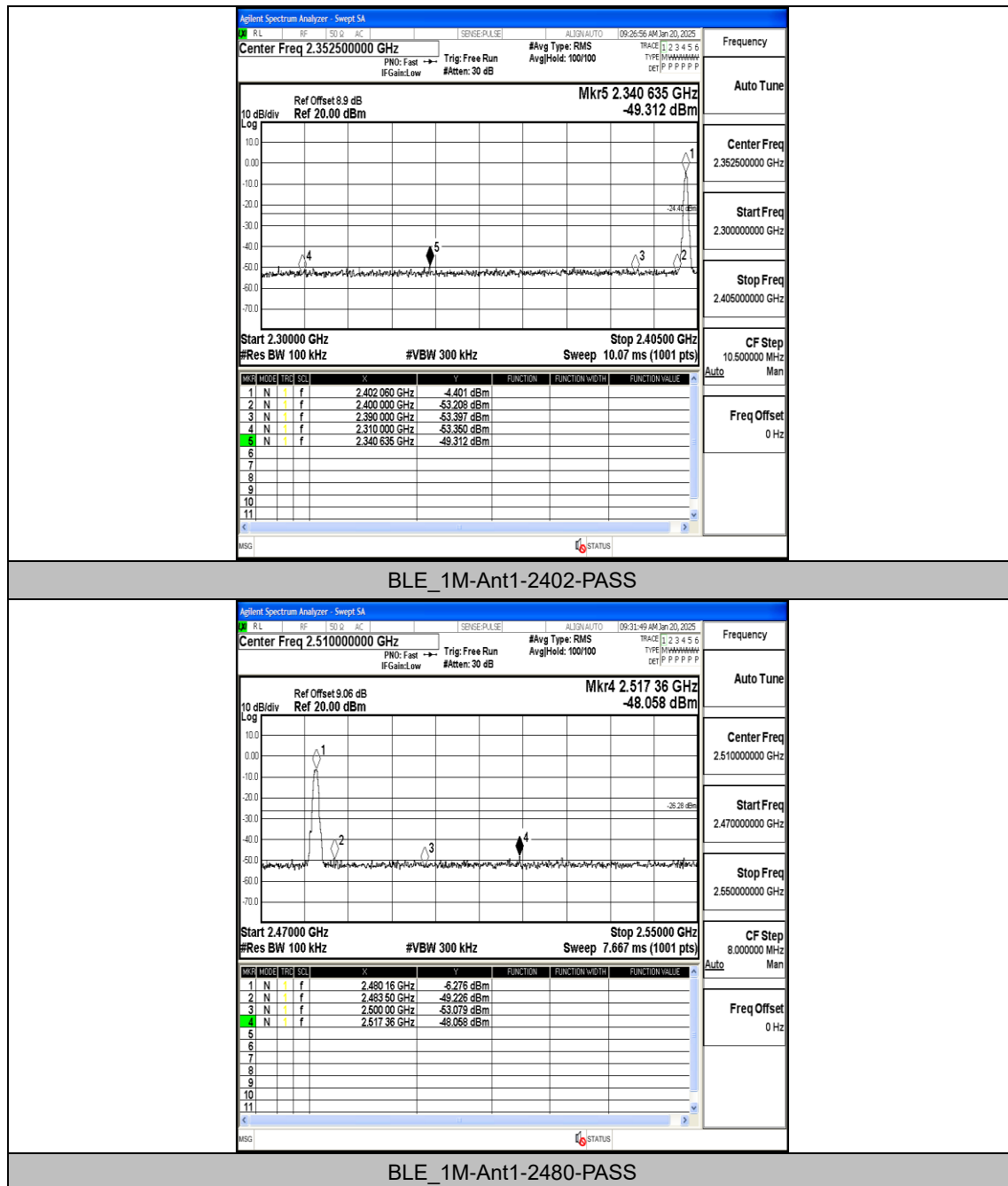


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.40	-49.31	≤-24.4	PASS
BLE_1M	Ant1	High	2480	-6.28	-48.06	≤-26.28	PASS

Test Graphs

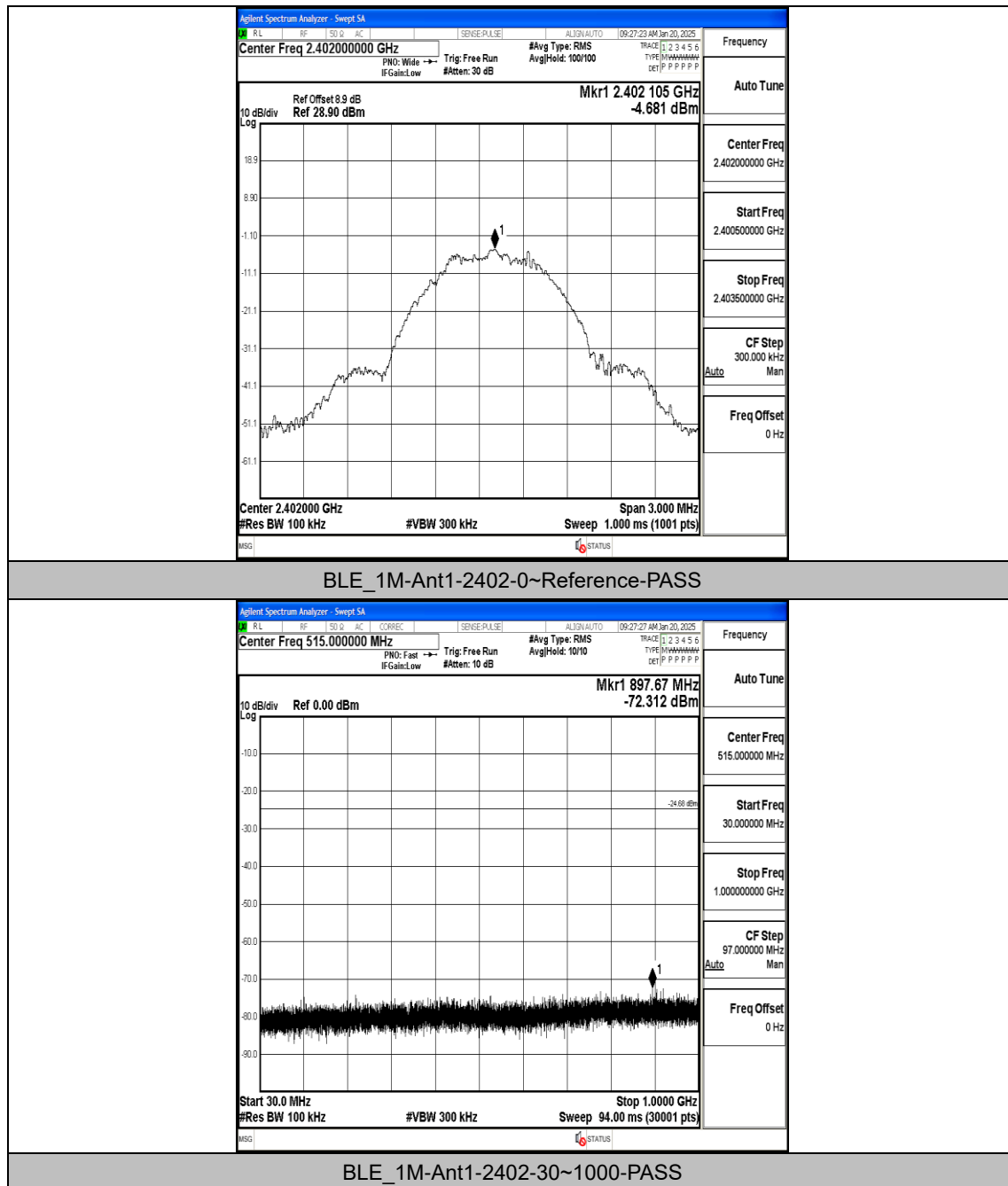


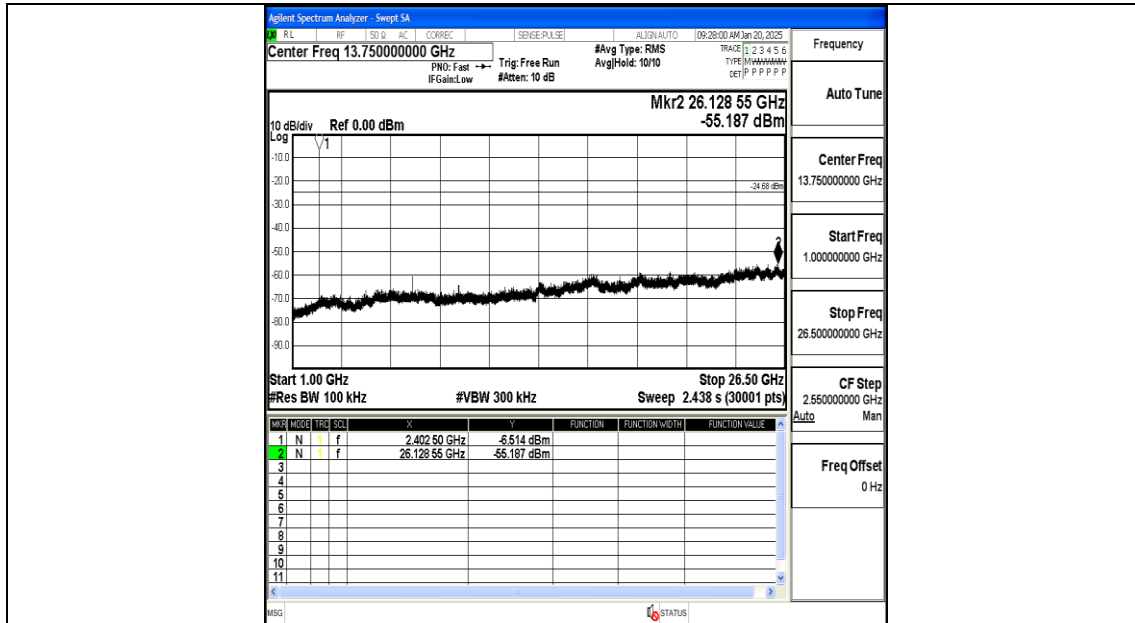
Appendix F: Conducted Spurious Emission

Test Result

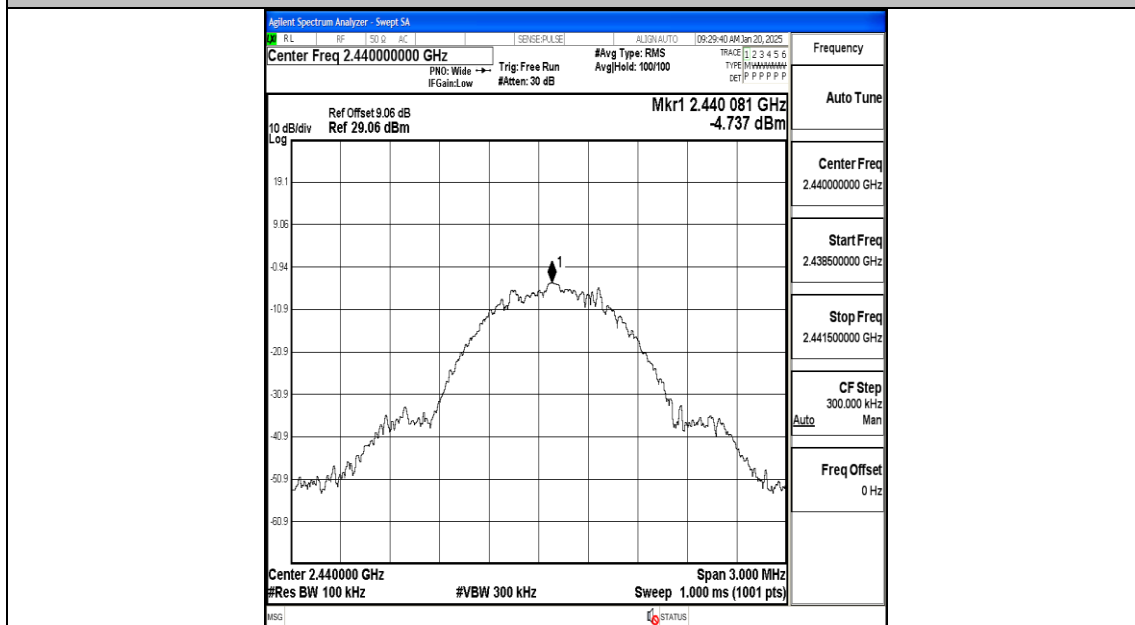
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-4.68	-4.68	---	PASS
BLE_1M	Ant1	2402	30~1000	-4.68	-72.31	≤-24.68	PASS
BLE_1M	Ant1	2402	1000~26500	-4.68	-55.19	≤-24.68	PASS
BLE_1M	Ant1	2440	0~Reference	-4.74	-4.74	---	PASS
BLE_1M	Ant1	2440	30~1000	-4.74	-73.03	≤-24.74	PASS
BLE_1M	Ant1	2440	1000~26500	-4.74	-54.77	≤-24.74	PASS
BLE_1M	Ant1	2480	0~Reference	-5.15	-5.15	---	PASS
BLE_1M	Ant1	2480	30~1000	-5.15	-72.58	≤-25.15	PASS
BLE_1M	Ant1	2480	1000~26500	-5.15	-55.78	≤-25.15	PASS

Test Graphs

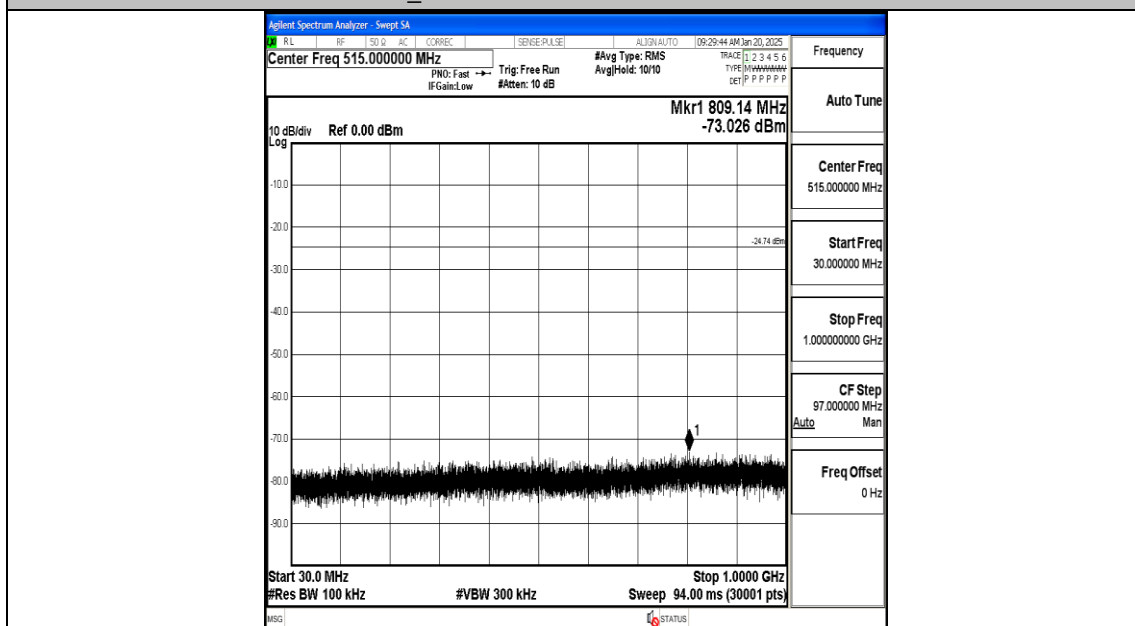




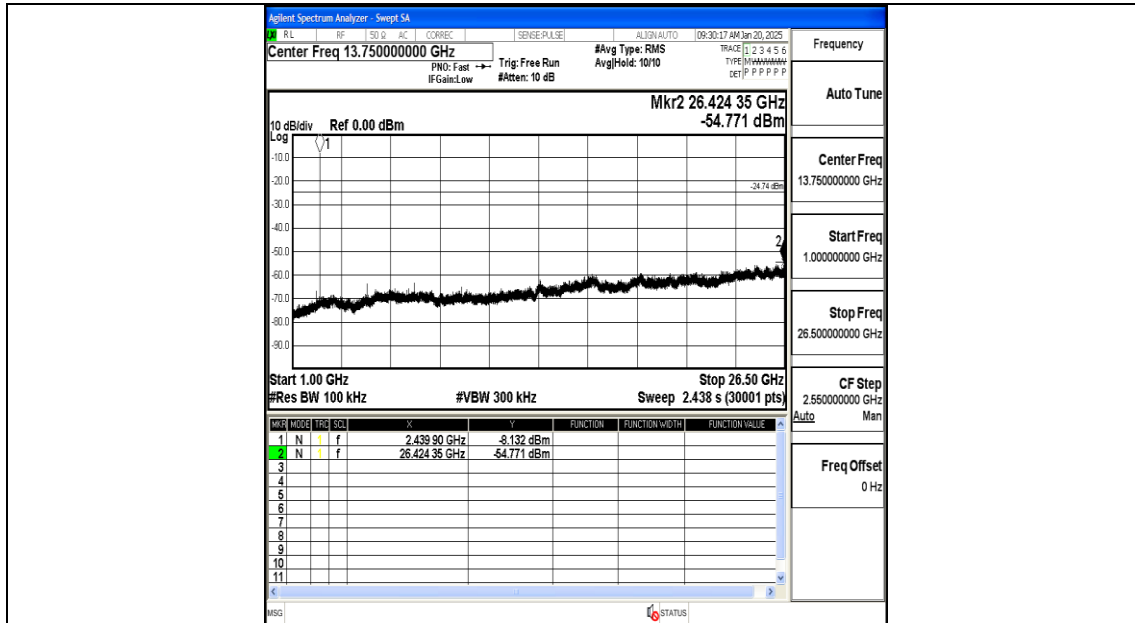
BLE_1M-Ant1-2402-1000~26500-PASS



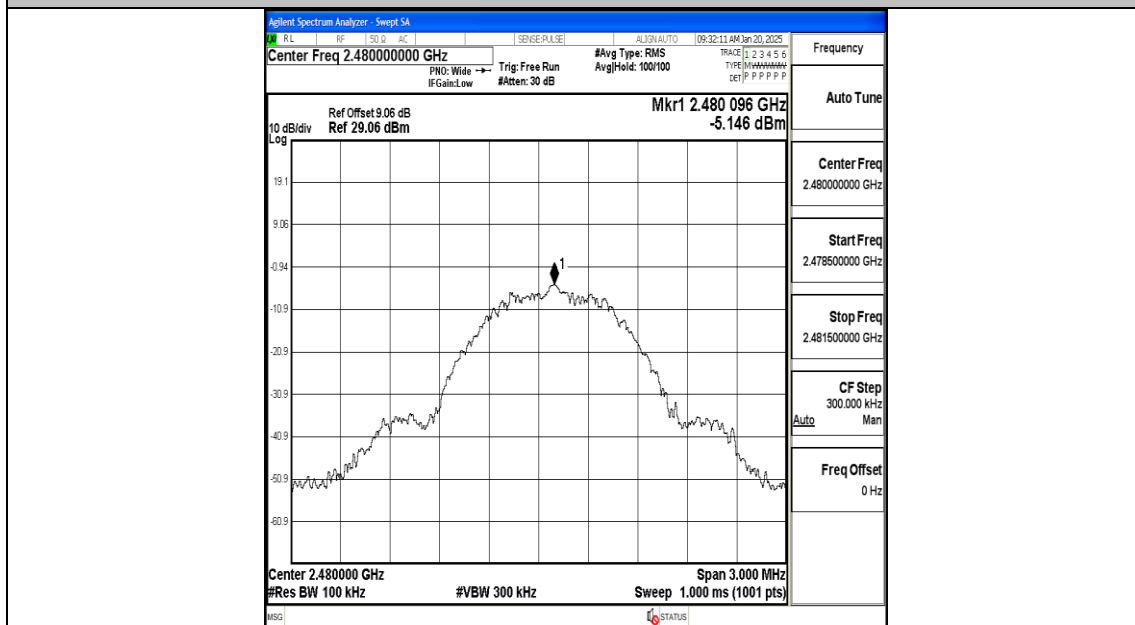
BLE_1M-Ant1-2440-0~Reference-PASS



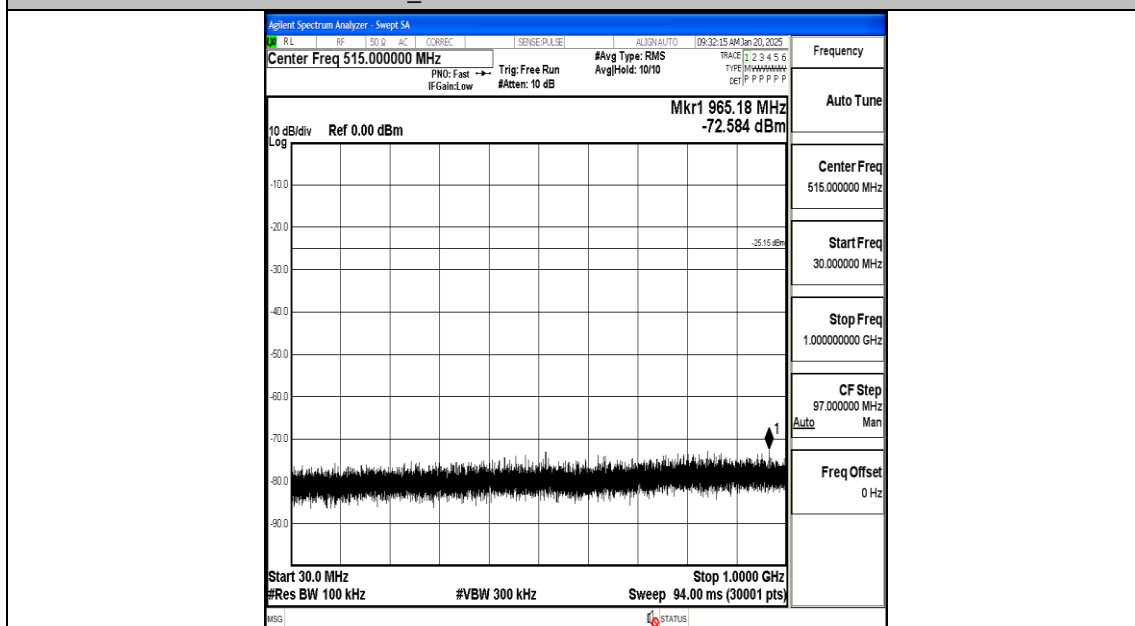
BLE_1M-Ant1-2440-30~1000-PASS



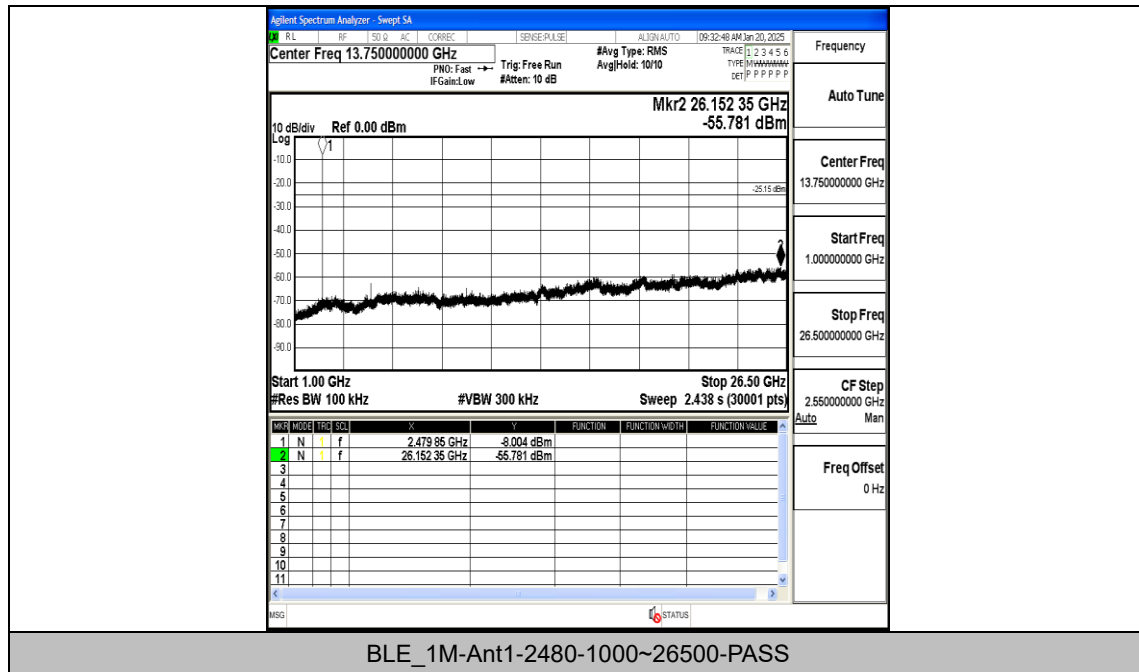
BLE_1M-Ant1-2440-1000~26500-PASS



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	1.03	2.89	35.64	4.48
BLE_1M	Ant1	2440	1.02	2.88	35.42	4.51
BLE_1M	Ant1	2480	1.02	2.89	35.29	4.52

Test Graphs

