

Appendix Test Data for BLE (Conducted Measurement)

Product Name: Mouse

Trade Mark: Keychron

Test Model: M6

FCC ID: 2BGKB-M6

Environmental Conditions

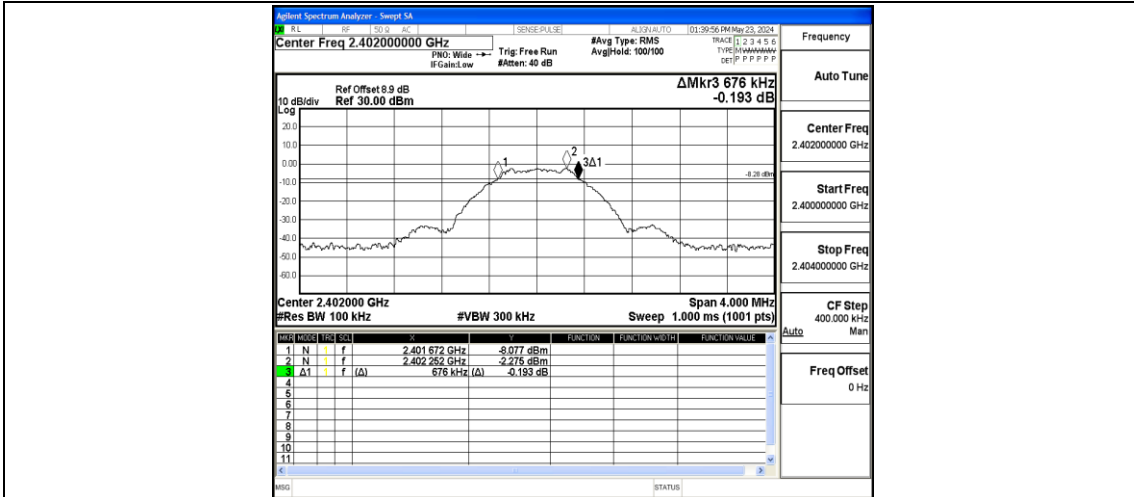
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

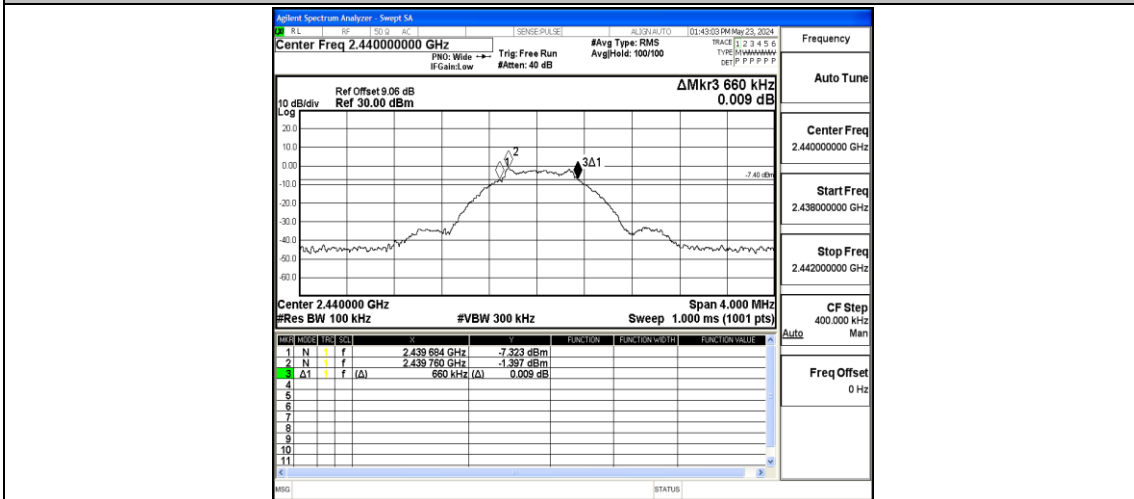
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.672	2402.348	0.5	PASS
BLE_1M	Ant1	2440	0.660	2439.684	2440.344	0.5	PASS
BLE_1M	Ant1	2480	0.696	2479.668	2480.364	0.5	PASS

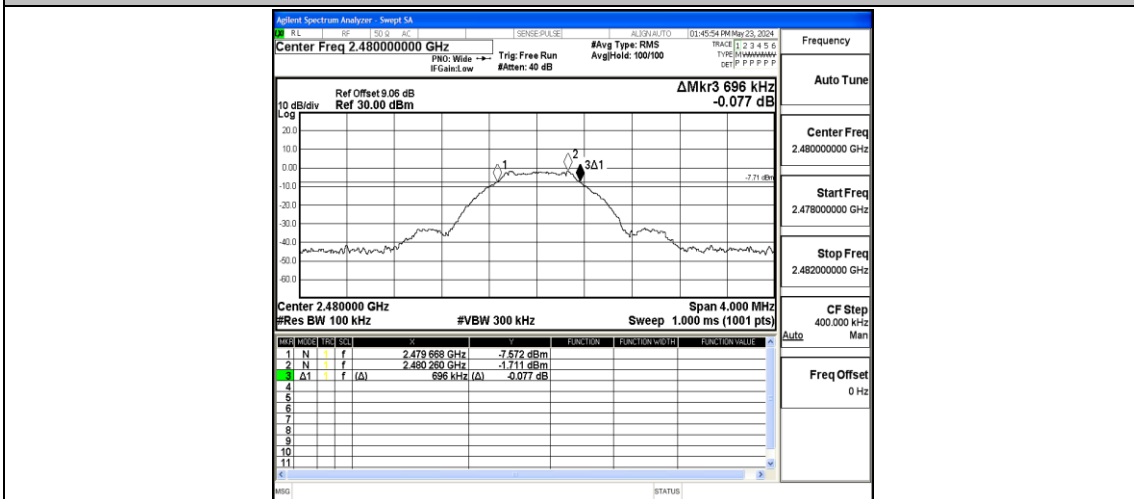
Test Graphs



BLE_1M-Ant1-240-PASS



BLE_1M-Ant1-2440-PASS



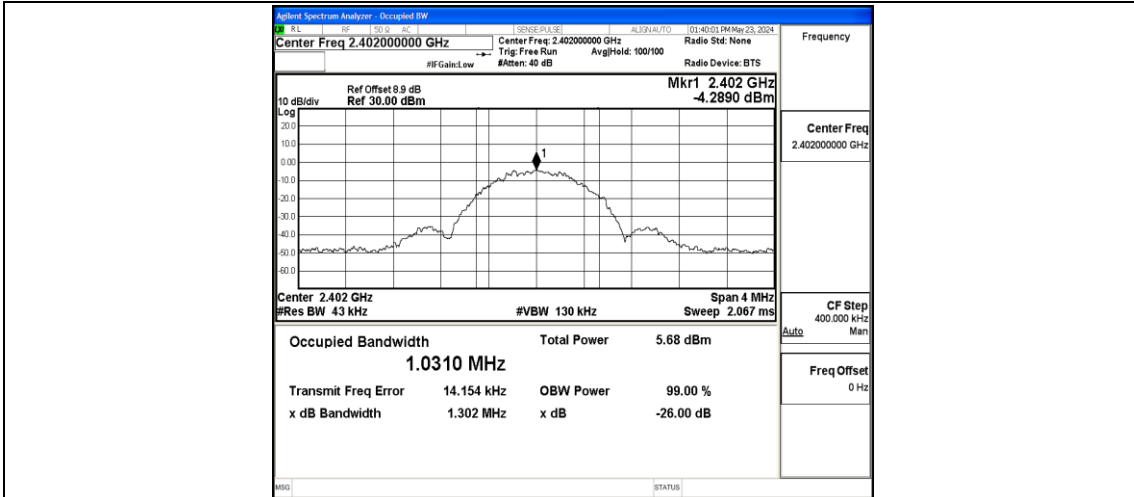
BLE_1M-Ant1-2480-PASS

Appendix B: Occupied Channel Bandwidth

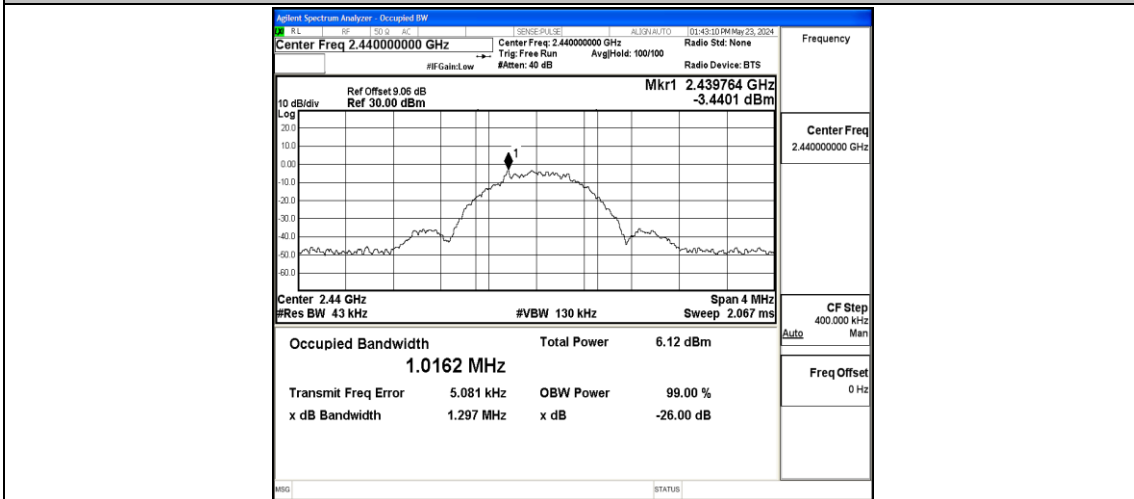
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0310	2401.4987	2402.5297	---	---
BLE_1M	Ant1	2440	1.0162	2439.4970	2440.5132	---	---
BLE_1M	Ant1	2480	1.0371	2479.4921	2480.5292	---	---

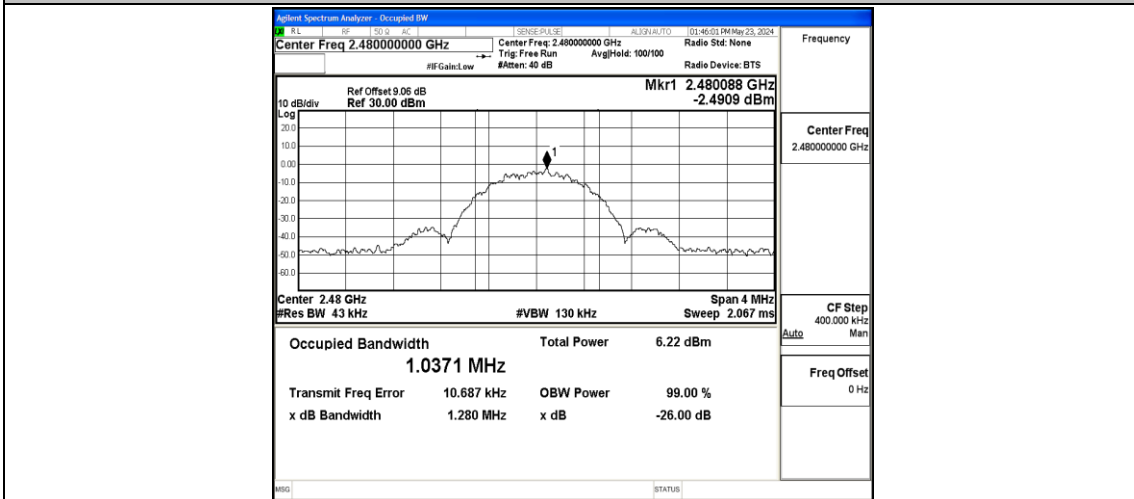
Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



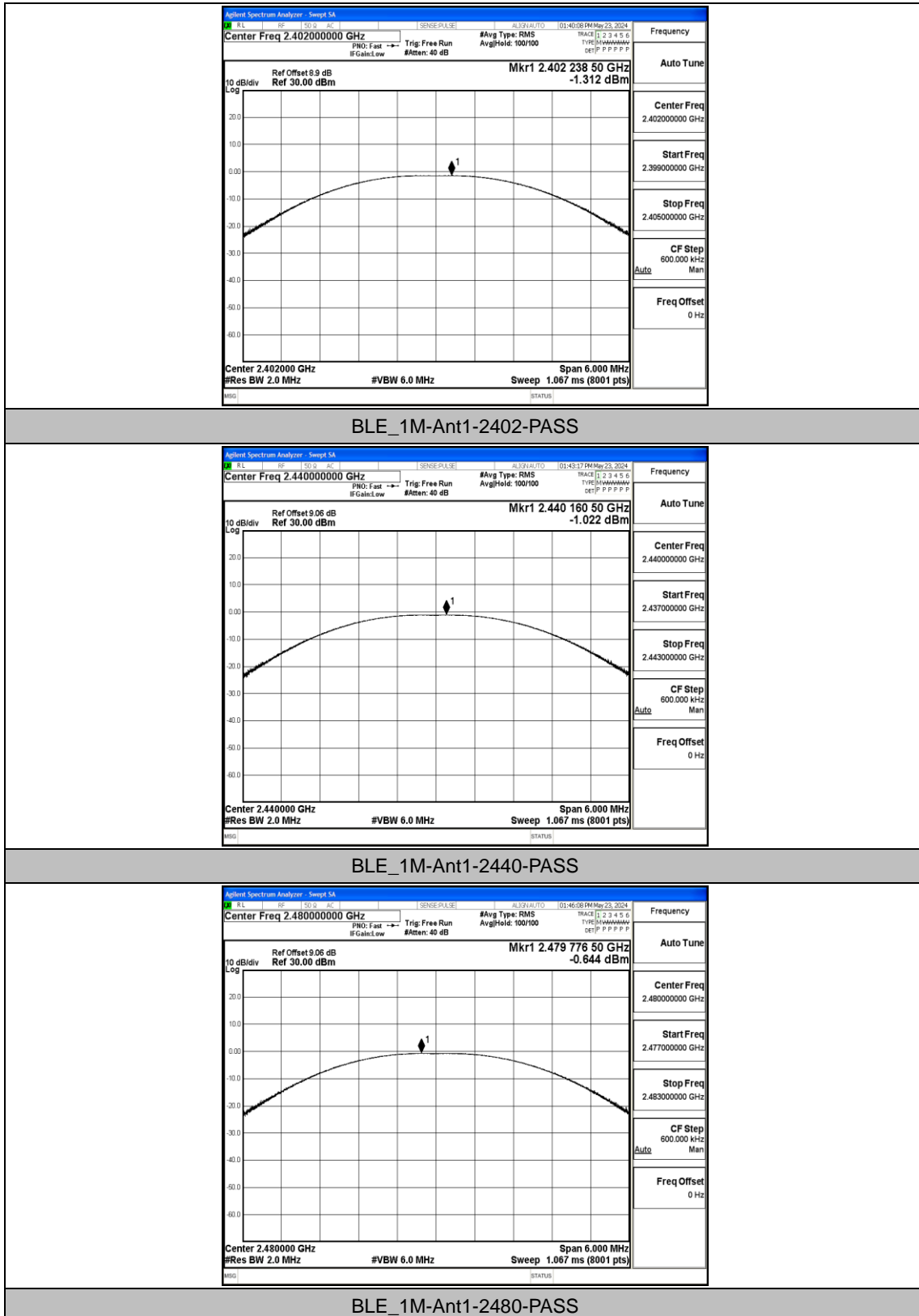
BLE_1M-Ant1-2480

Appendix C: Maximum peak conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.31	≤30	PASS
BLE_1M	Ant1	2440	-1.02	≤30	PASS
BLE_1M	Ant1	2480	-0.64	≤30	PASS

Test Graphs Peak

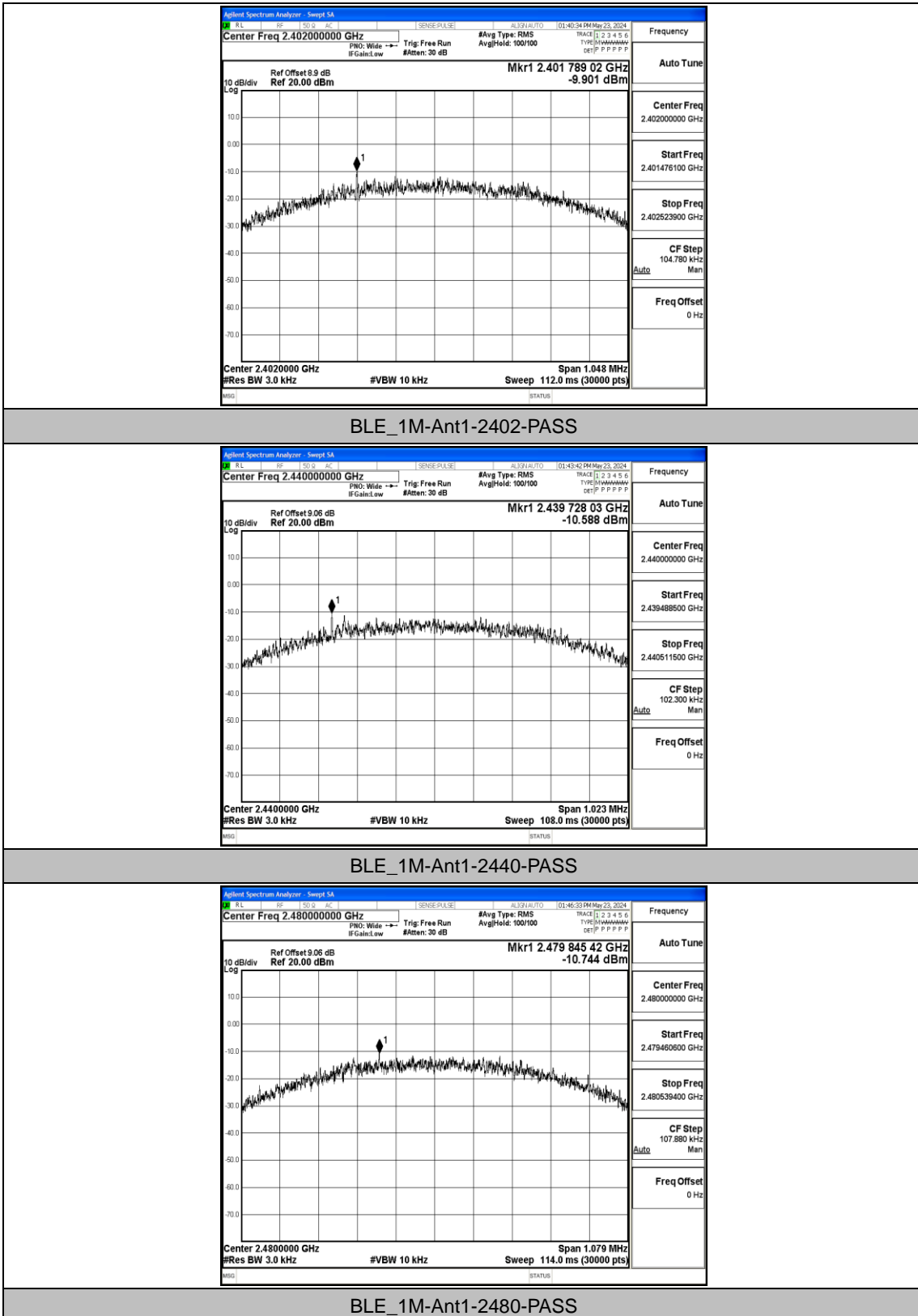


Appendix D: Maximum peak power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.90	≤8.00	PASS
BLE_1M	Ant1	2440	-10.59	≤8.00	PASS
BLE_1M	Ant1	2480	-10.74	≤8.00	PASS

Test Graphs

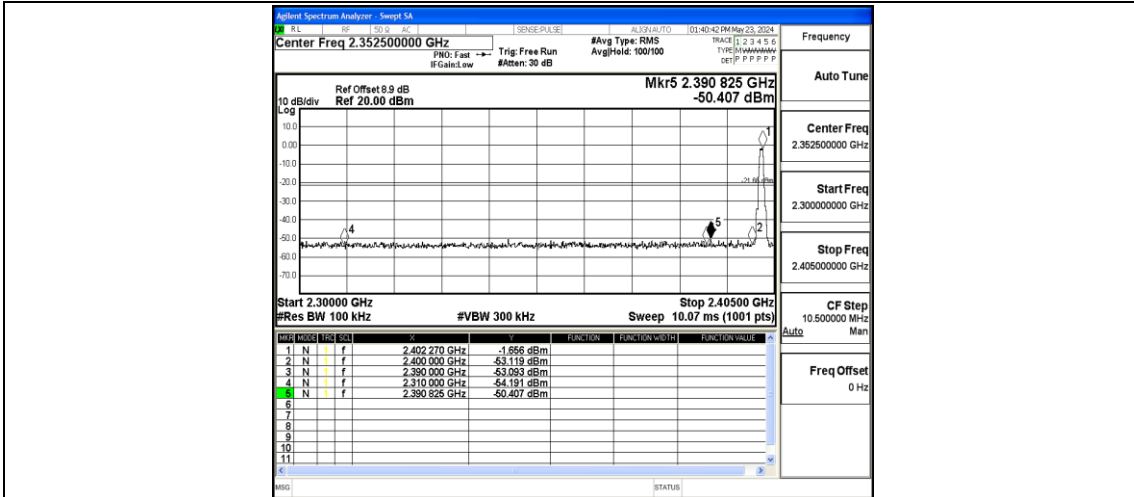


Appendix E: Band edge measurements

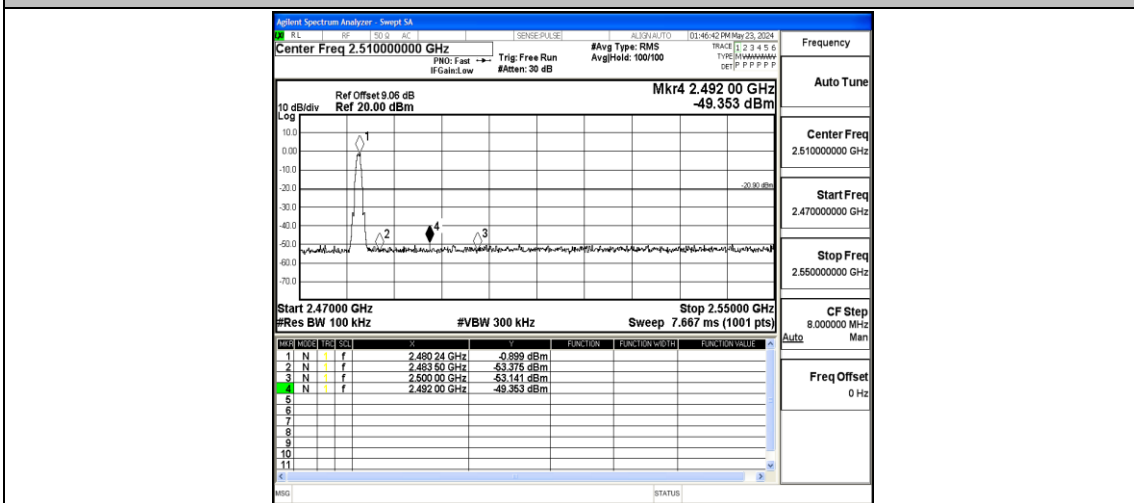
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.66	-50.41	≤-21.66	PASS
BLE_1M	Ant1	High	2480	-0.90	-49.35	≤-20.9	PASS

Test Graphs



BLE_1M-Ant1-240-PASS



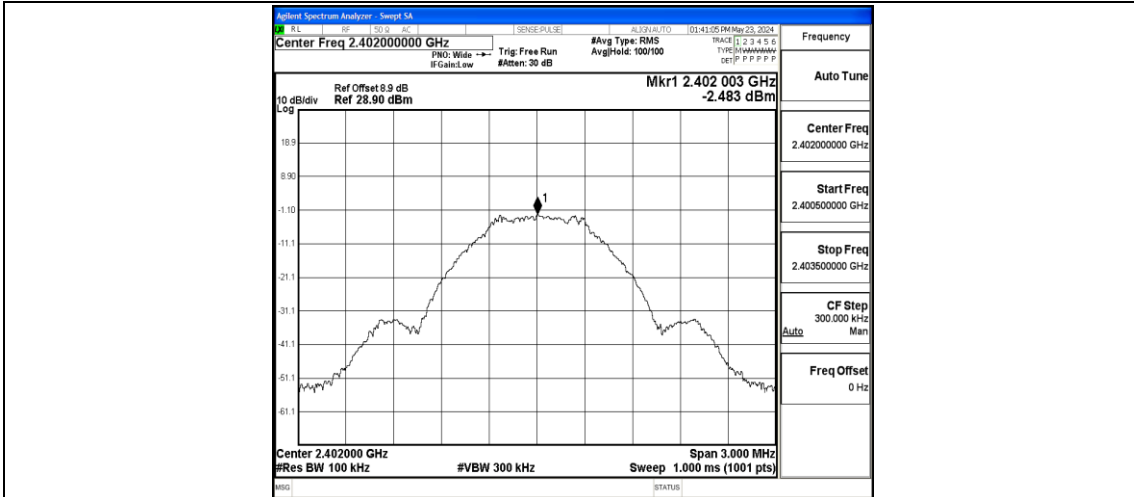
BLE_1M-Ant1-2480-PASS

Appendix F: Conducted Spurious Emission

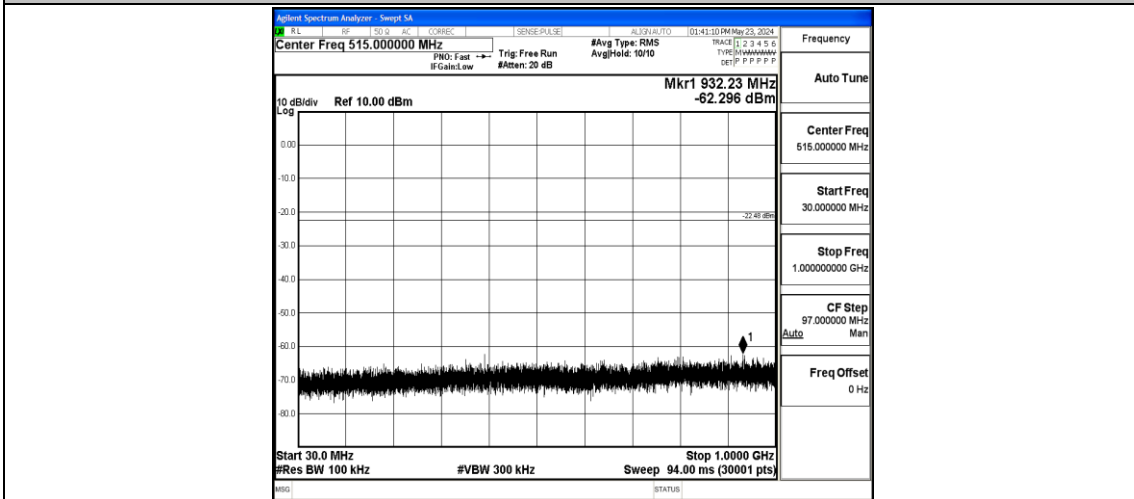
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.48	-2.48	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.48	-62.3	≤-22.48	PASS
BLE_1M	Ant1	2402	1000~26500	-2.48	-49.46	≤-22.48	PASS
BLE_1M	Ant1	2440	0~Reference	-2.36	-2.36	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.36	-62.57	≤-22.36	PASS
BLE_1M	Ant1	2440	1000~26500	-2.36	-49.81	≤-22.36	PASS
BLE_1M	Ant1	2480	0~Reference	-1.85	-1.85	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.85	-62.52	≤-21.85	PASS
BLE_1M	Ant1	2480	1000~26500	-1.85	-49.67	≤-21.85	PASS

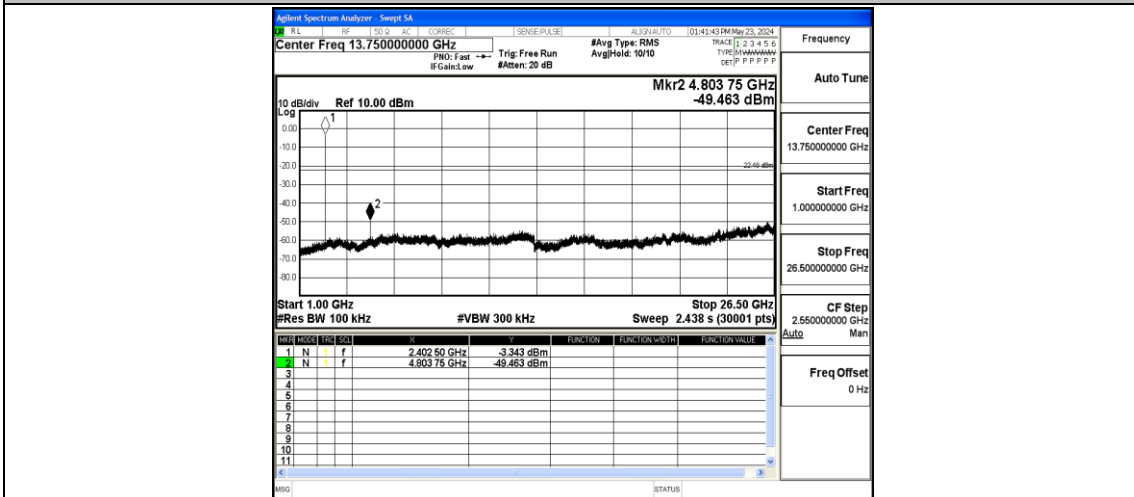
Test Graphs



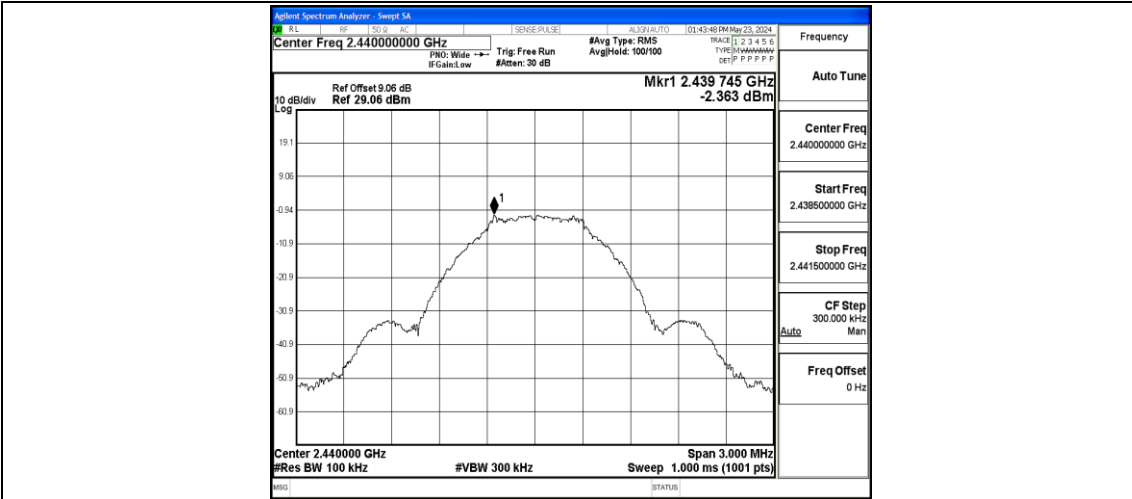
BLE_1M-Ant1-2402-0~Reference-PASS



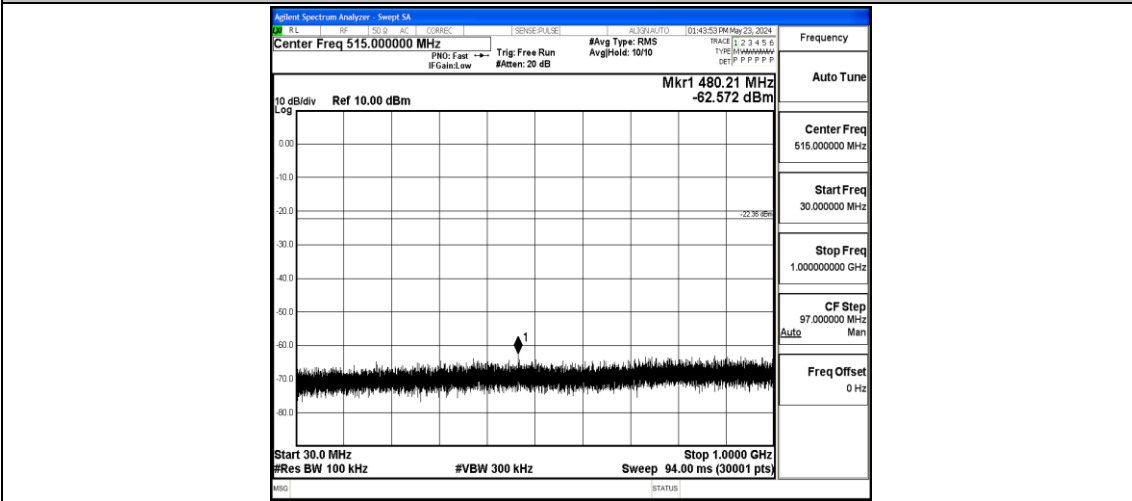
BLE_1M-Ant1-2402-30~1000-PASS



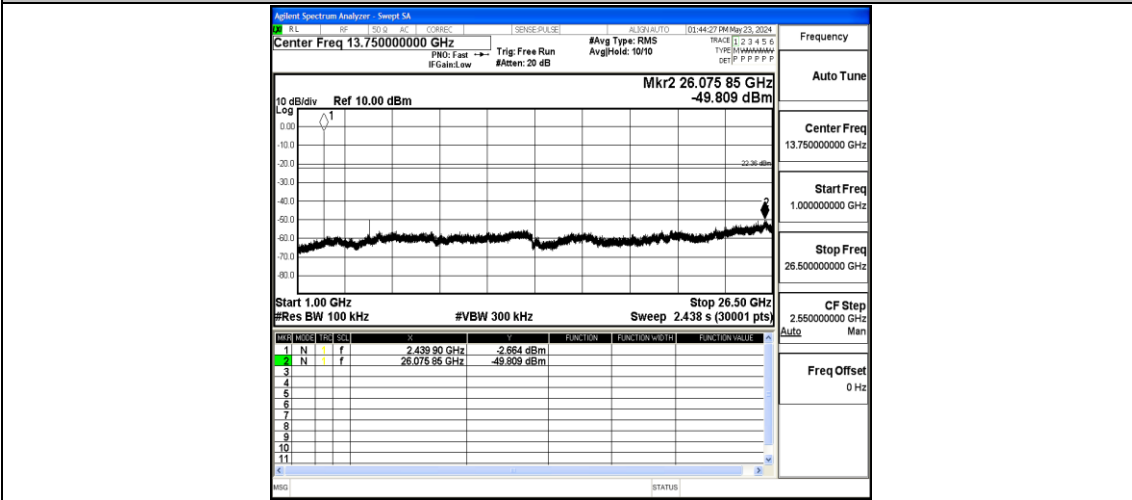
BLE_1M-Ant1-2402-1000~26500-PASS



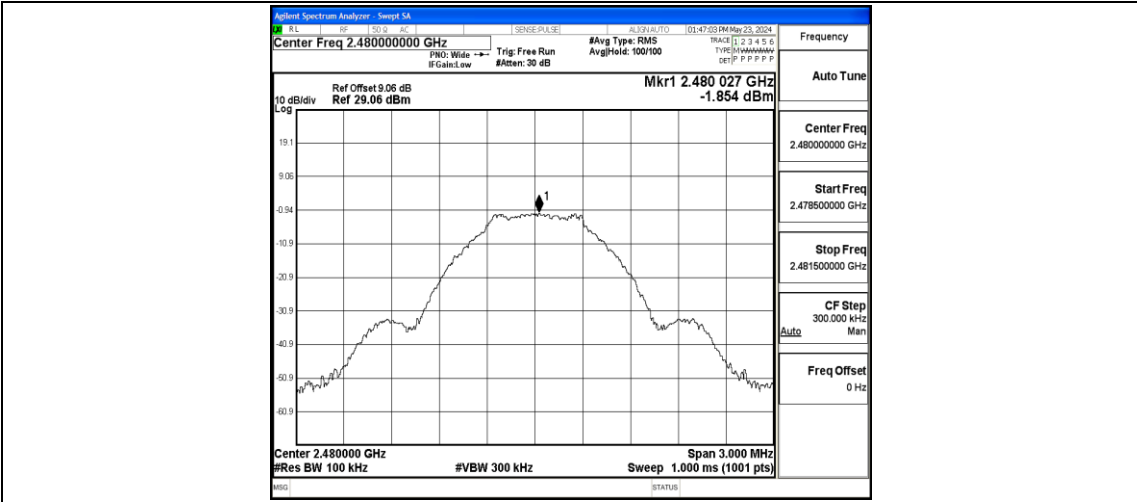
BLE_1M-Ant1-2440-0~Reference-PASS



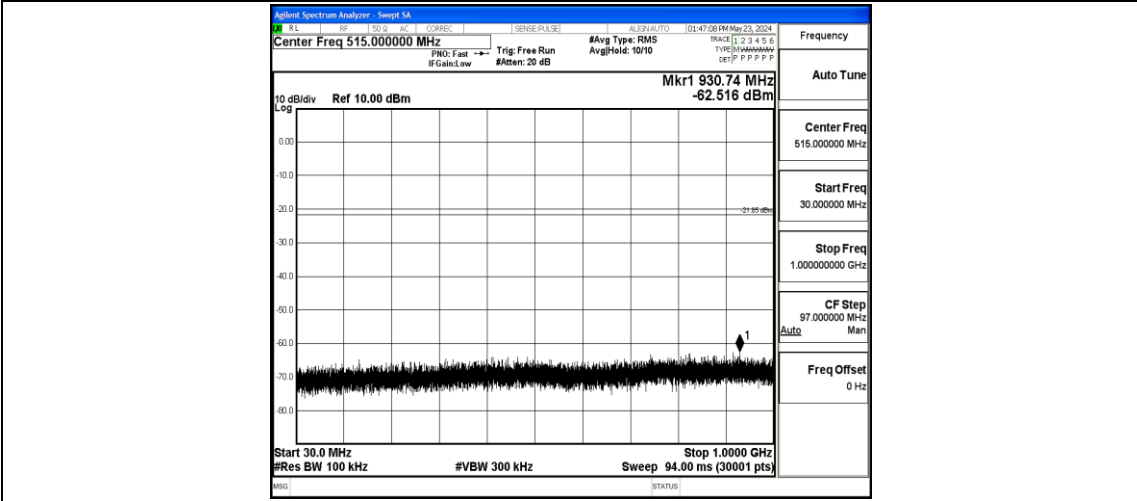
BLE_1M-Ant1-2440-30~1000-PASS



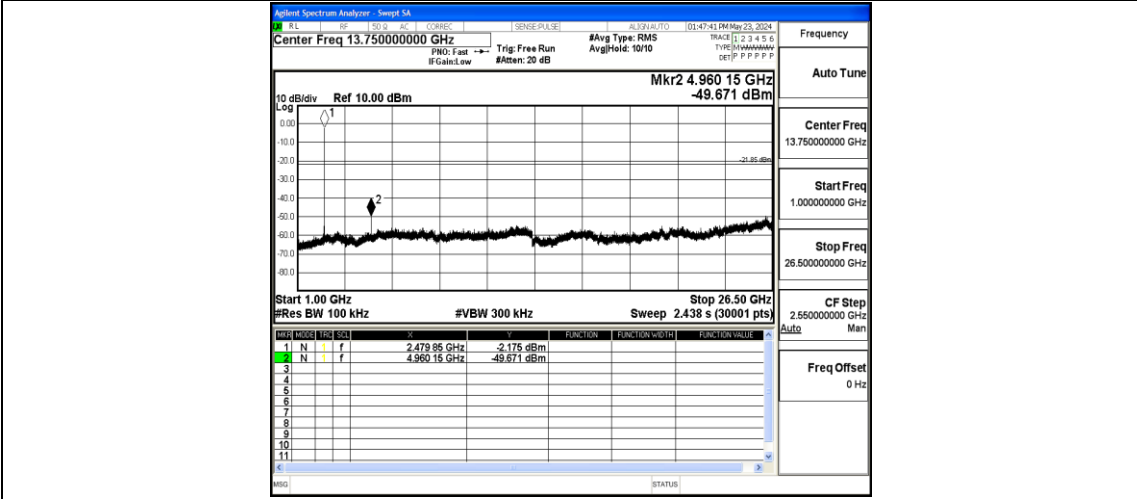
BLE_1M-Ant1-2440-1000~26500-PASS



BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



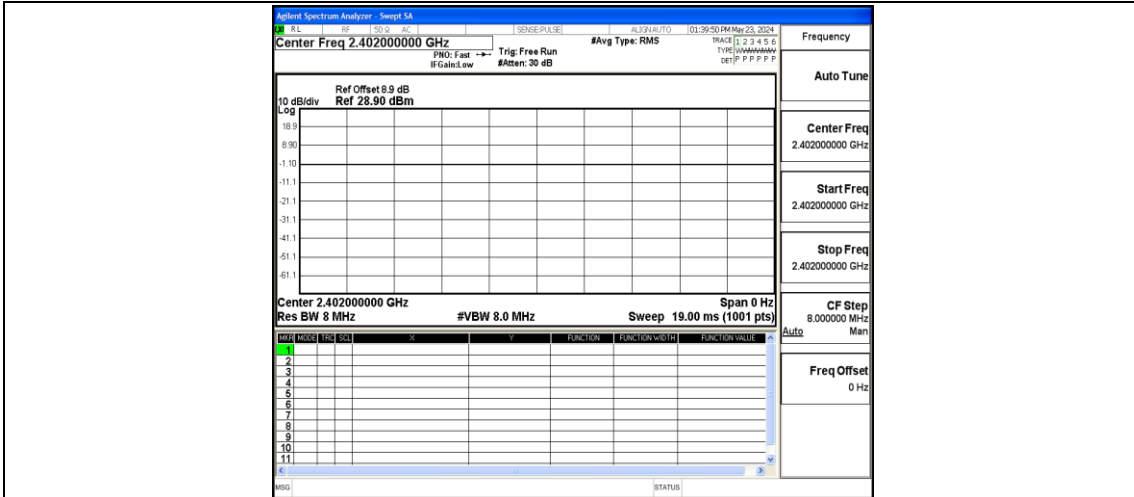
BLE_1M-Ant1-2480-1000~26500-PASS

Appendix G: Duty Cycle

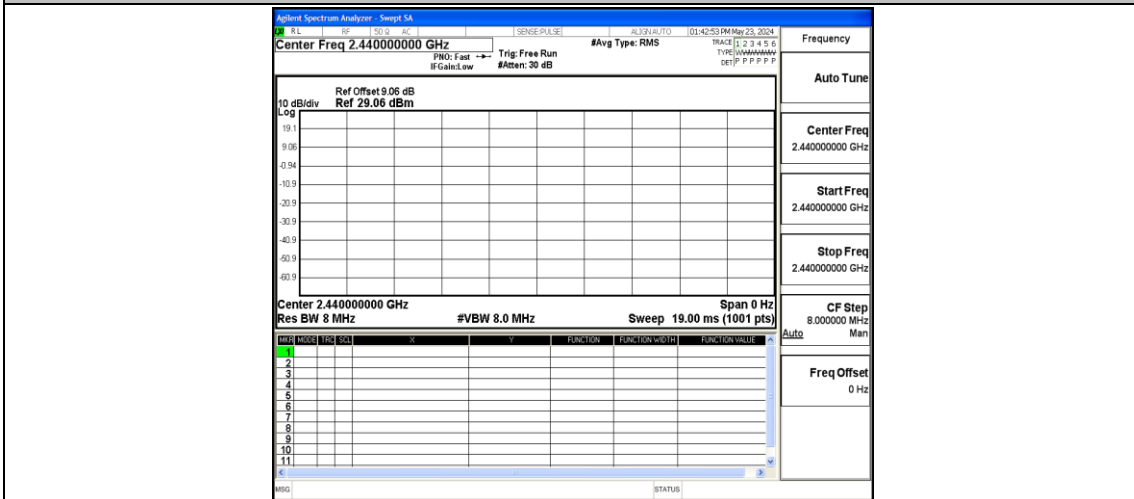
Test Result

TestMode	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

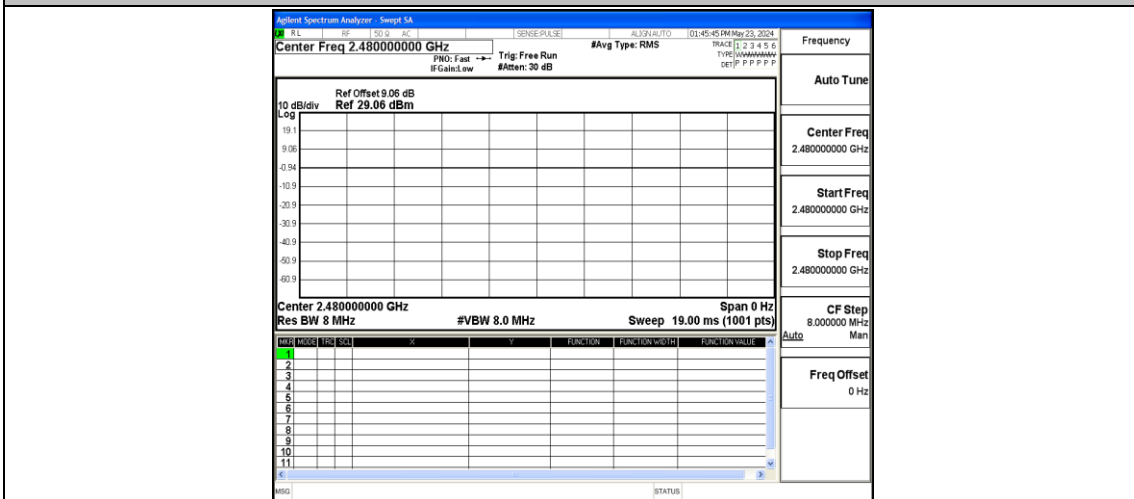
Test Graphs



NTNV-BLE_1M-Ant1-2402



NTNV-BLE_1M-Ant1-2440



NTNV-BLE_1M-Ant1-2480