

Appendix RF Test Data for BLE

FCC ID : 2BRSS-PBDY302

Company : Dongguan Pinguan Sports Technology Co.,Ltd.

EUT : Heated Socks

Model Number : PBDY302

Report No. : CTA25081101001

Reviewed By : Eric Wang

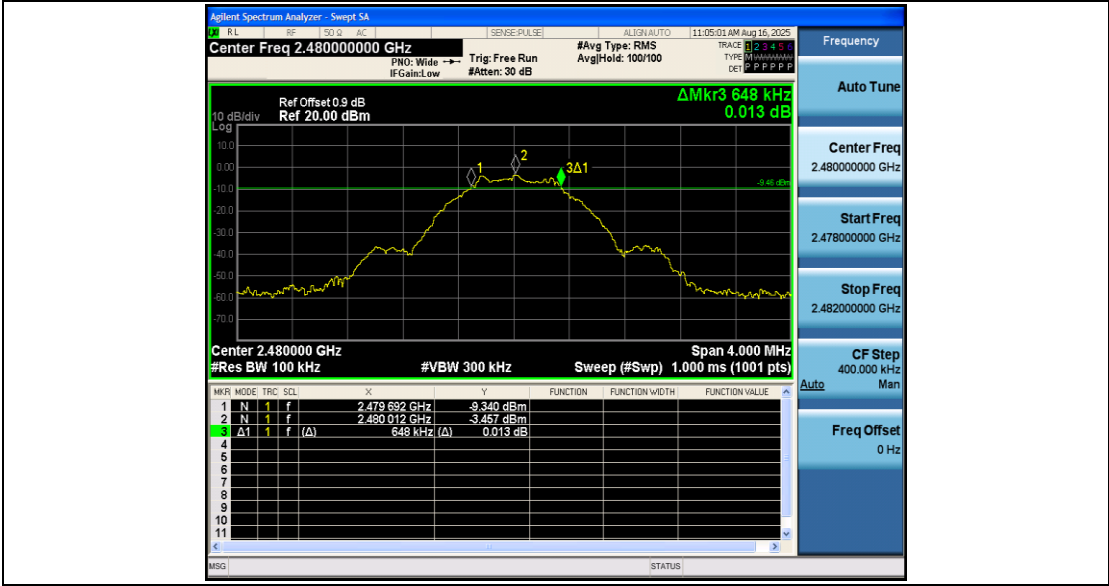
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.692	2402.332	0.5	PASS
		2440	0.660	2439.684	2440.344	0.5	PASS
		2480	0.648	2479.692	2480.340	0.5	PASS

Test Graphs



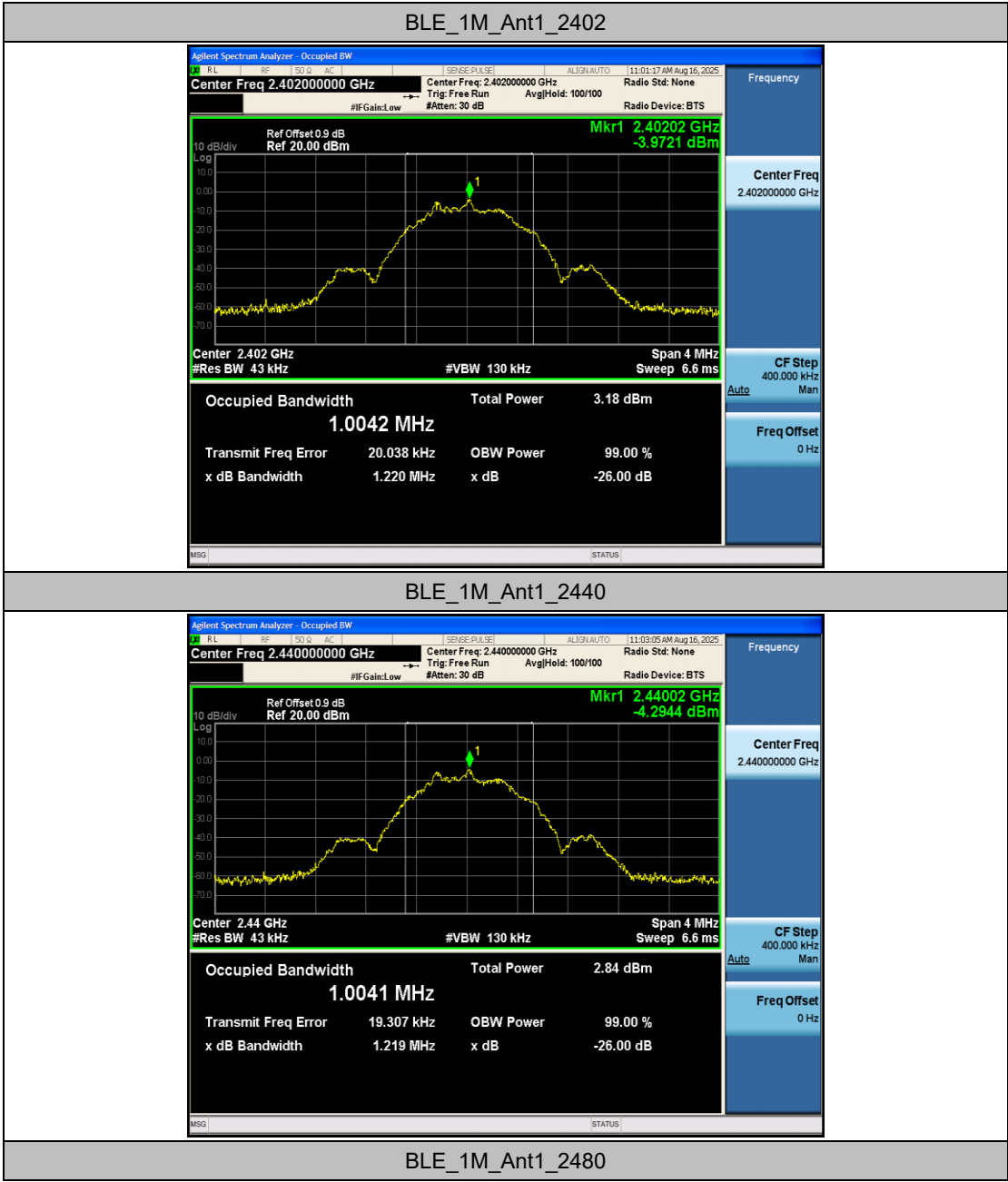


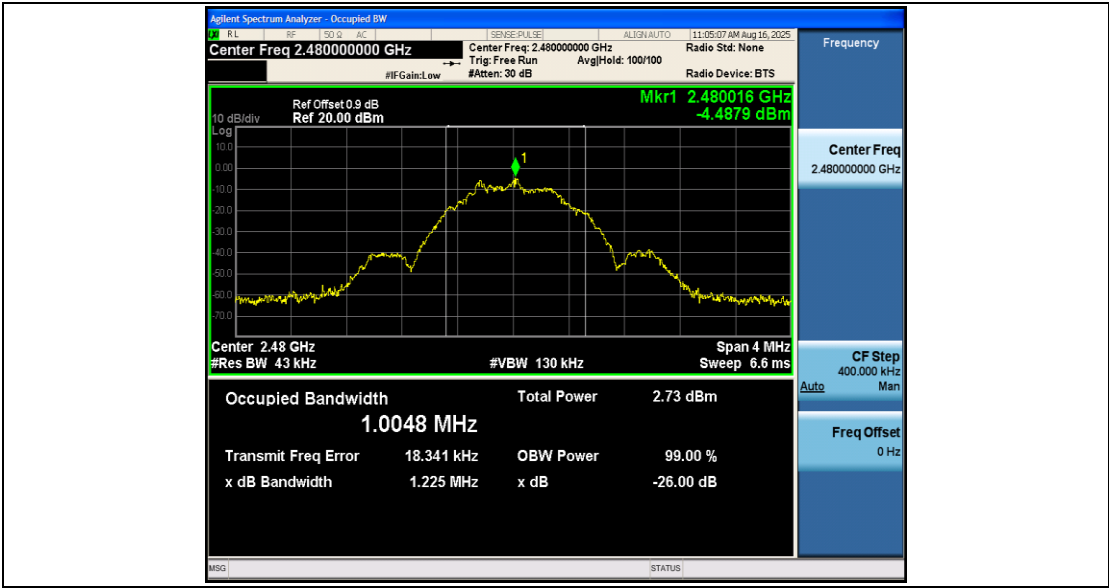
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0042	2401.5179	2402.5221	---	---
		2440	1.0041	2439.5173	2440.5214	---	---
		2480	1.0048	2479.5159	2480.5207	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

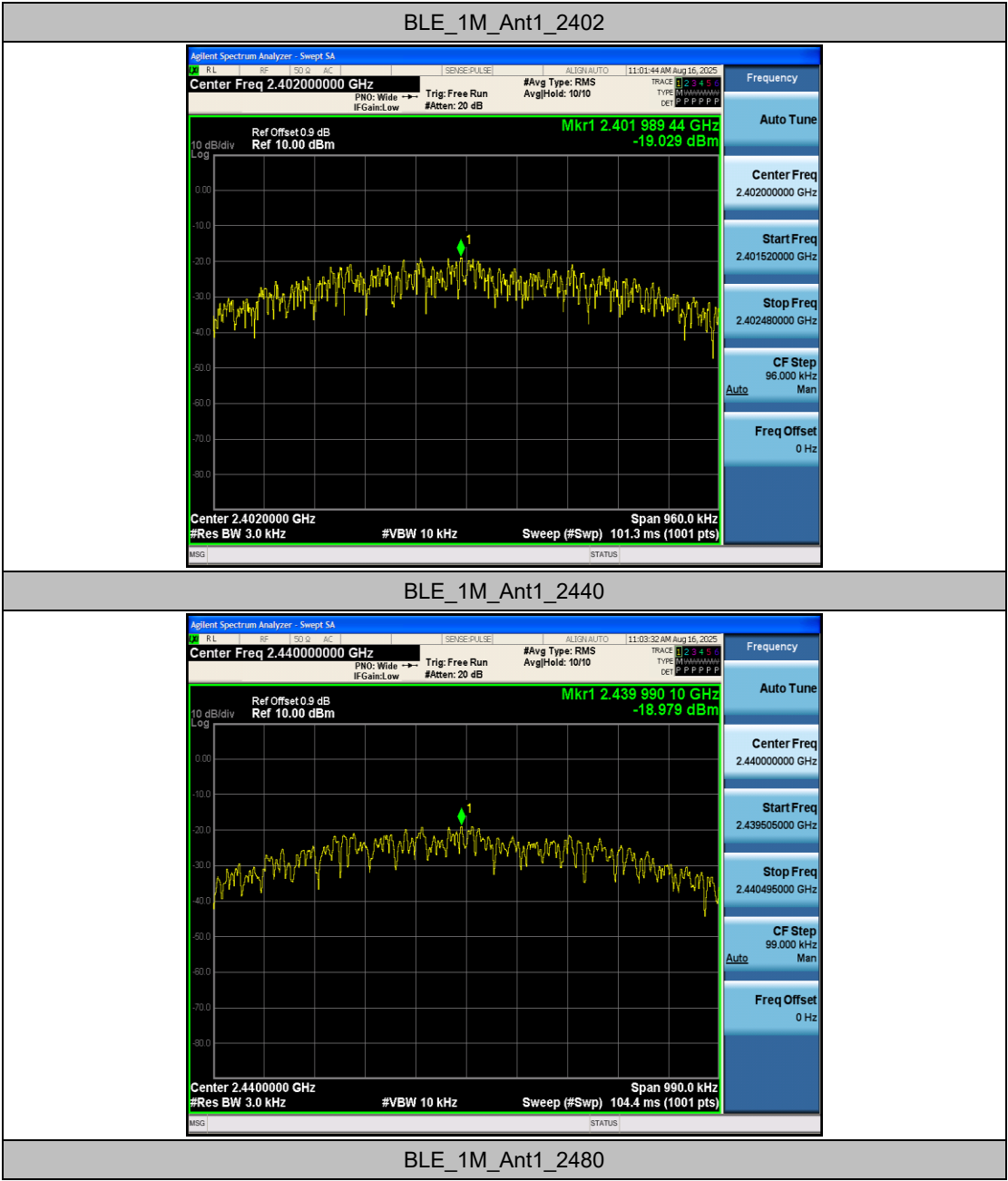
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.95	≤30	PASS
		2440	-3.26	≤30	PASS
		2480	-3.30	≤30	PASS

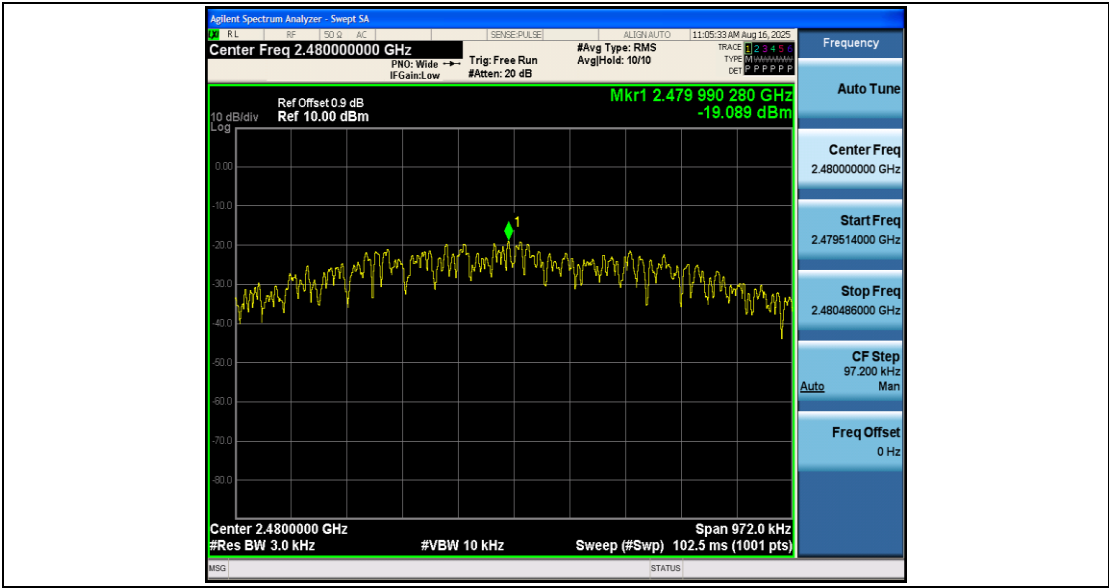
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.03	≤8.00	PASS
		2440	-18.98	≤8.00	PASS
		2480	-19.09	≤8.00	PASS

Test Graphs





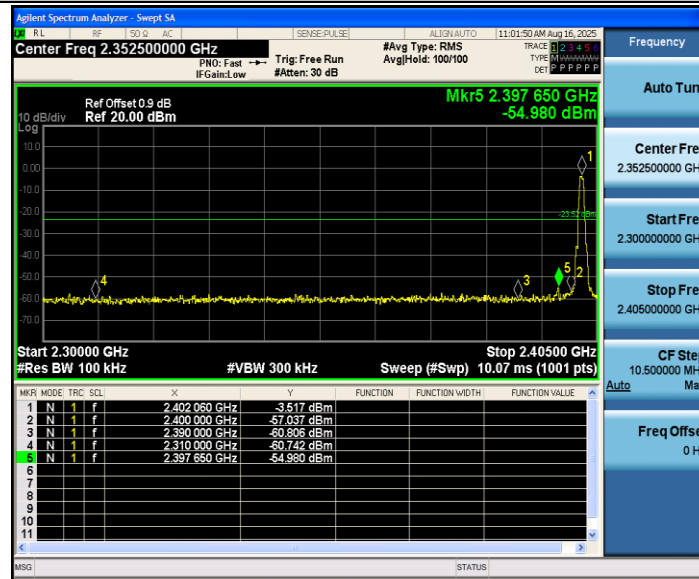
Appendix E: Band edge measurements

Test Result

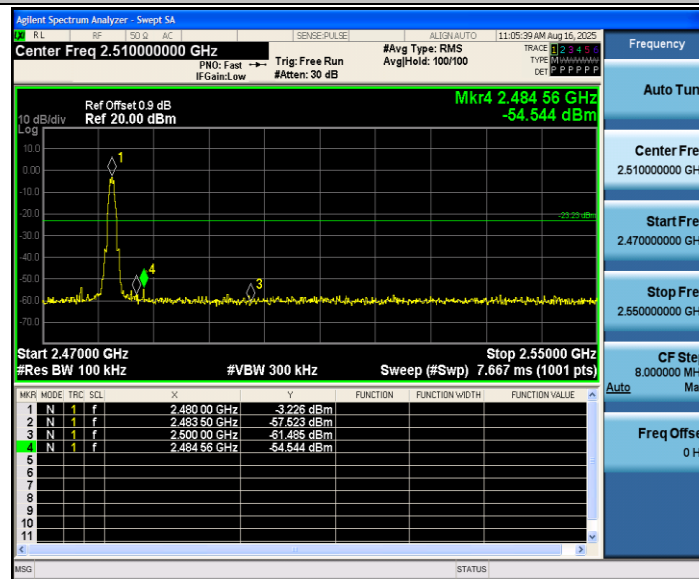
TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-3.52	-54.98	≤-23.52	PASS
		High	2480	-3.23	-54.54	≤-23.23	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480

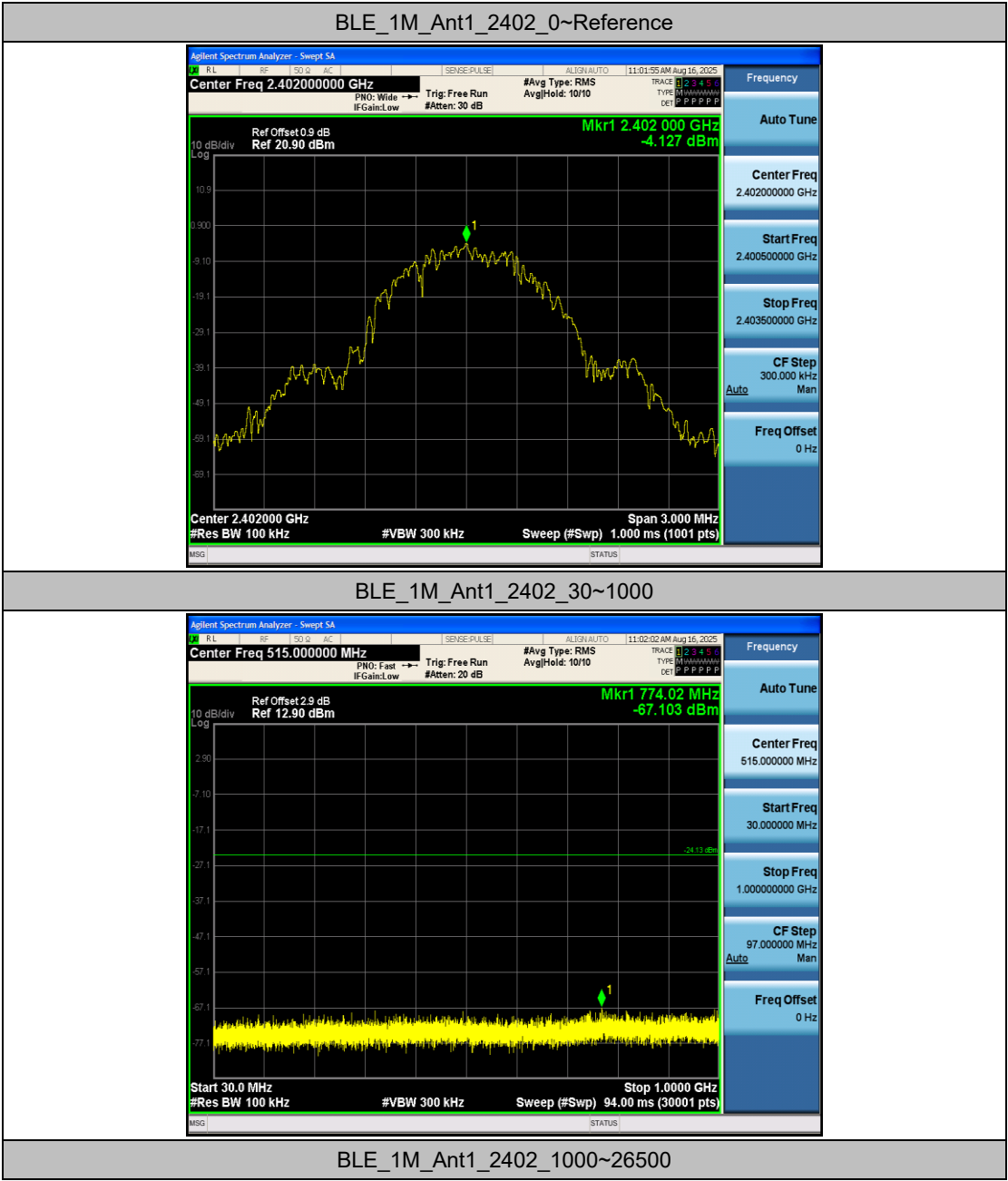


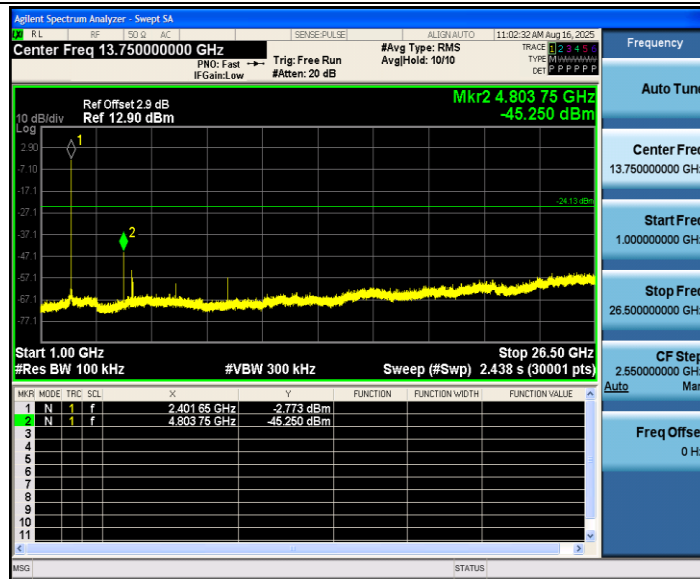
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.13	-4.13	---	PASS
			30~1000	-4.13	-67.1	≤-24.13	PASS
			1000~26500	-4.13	-45.25	≤-24.13	PASS
		2440	Reference	-5.14	-5.14	---	PASS
			30~1000	-5.14	-67.5	≤-25.14	PASS
			1000~26500	-5.14	-47.89	≤-25.14	PASS
		2480	Reference	-3.70	-3.70	---	PASS
			30~1000	-3.70	-65.89	≤-23.7	PASS
			1000~26500	-3.70	-47.34	≤-23.7	PASS

Test Graphs

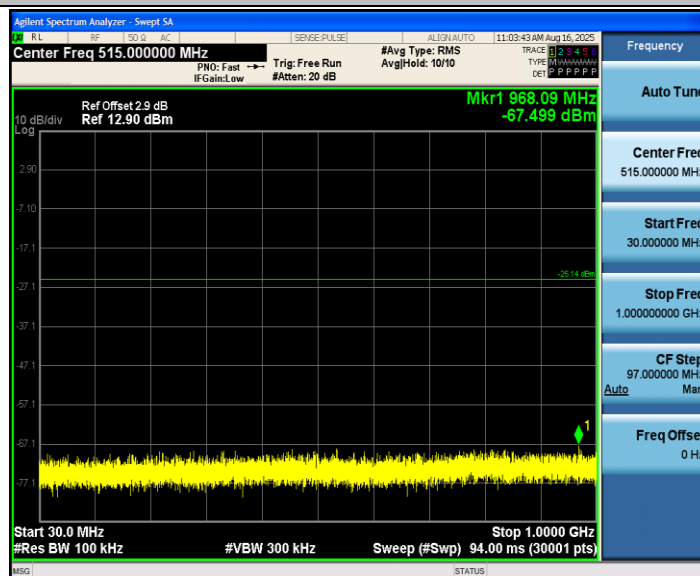




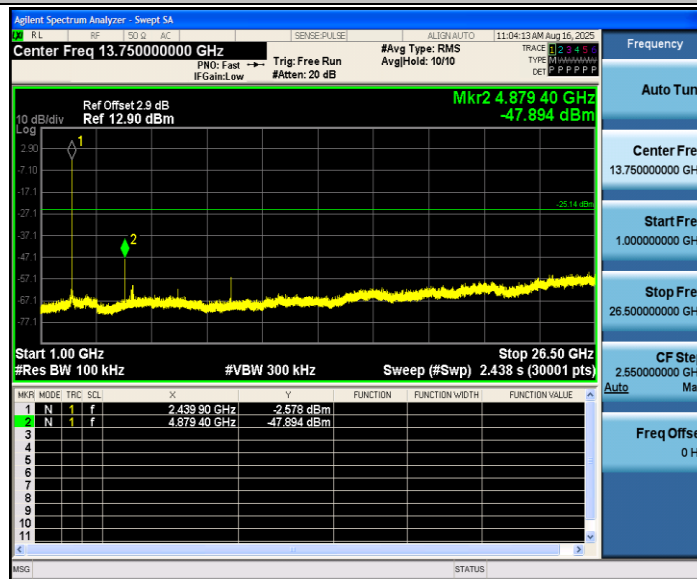
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



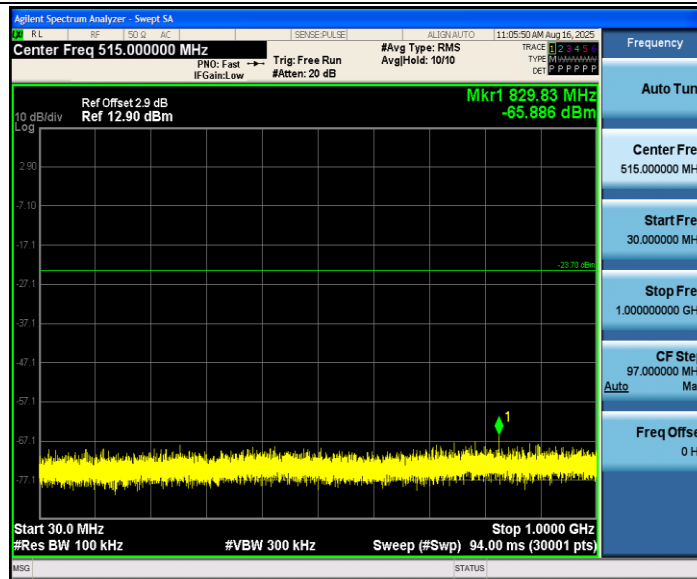
BLE_1M_Ant1_2440_1000~26500



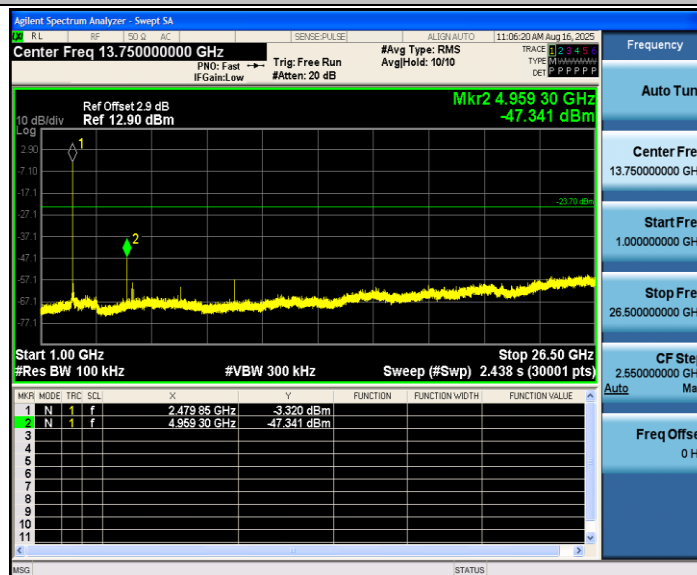
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.41	0.63	0.6508	65.08	1.87	---	---
		2440	0.41	0.63	0.6508	65.08	1.87	---	---
		2480	0.41	0.63	0.6508	65.08	1.87	---	---

Test Graphs

