

Appendix RF Test Data for BLE

FCC ID : 2BRV5-GDC269-87

Company : Zhejiang New Lianyu Electronics Co., Ltd.

EUT : Instrument & multimedia dual screen

Model Number : GDC269-87-0052

Report No. : CTA25071600501

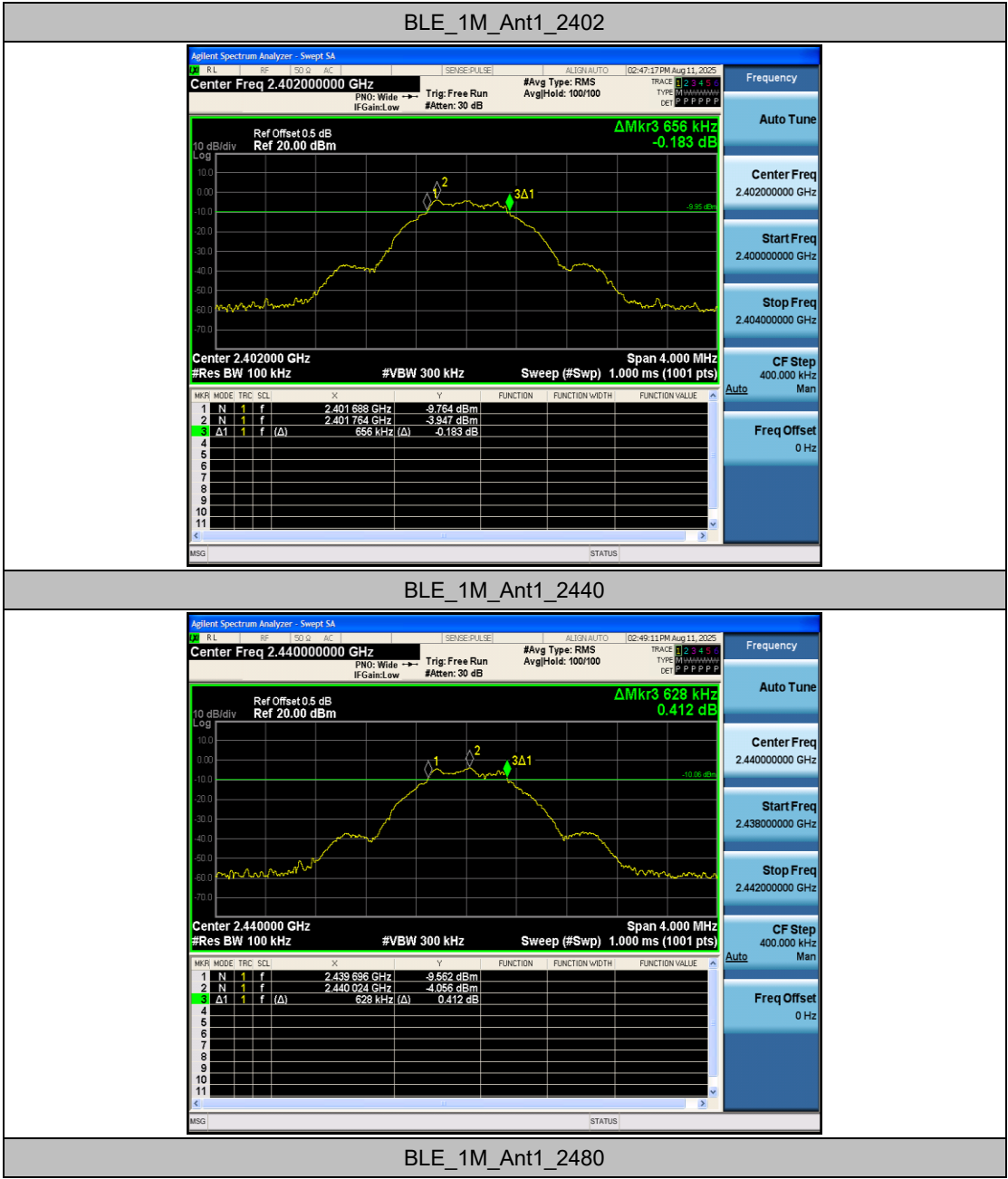
Reviewed By : Eric Wang

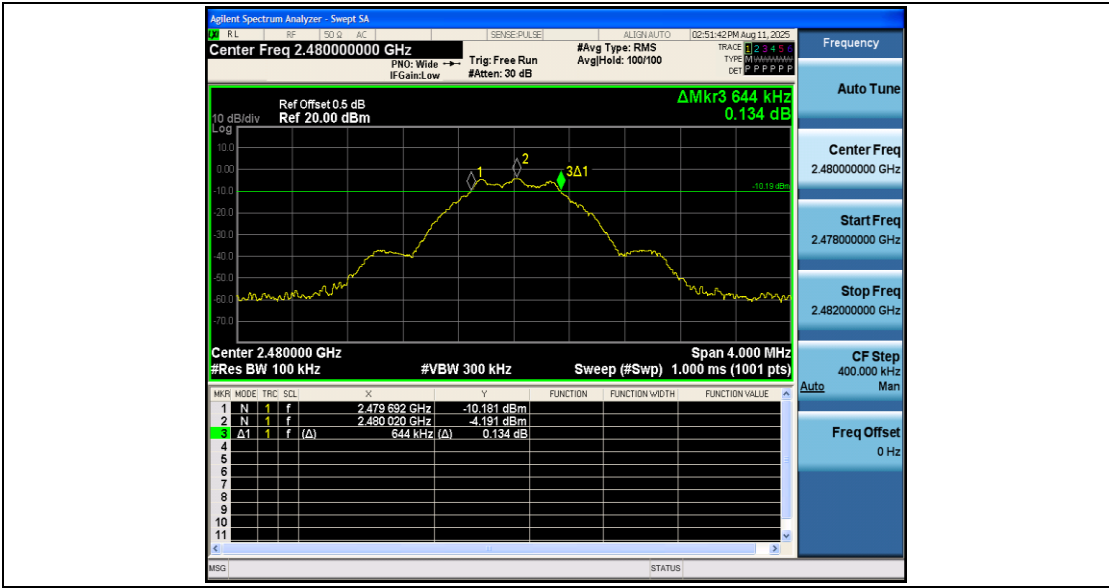
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.656	2401.688	2402.344	0.5	PASS
		2440	0.628	2439.696	2440.324	0.5	PASS
		2480	0.644	2479.692	2480.336	0.5	PASS

Test Graphs





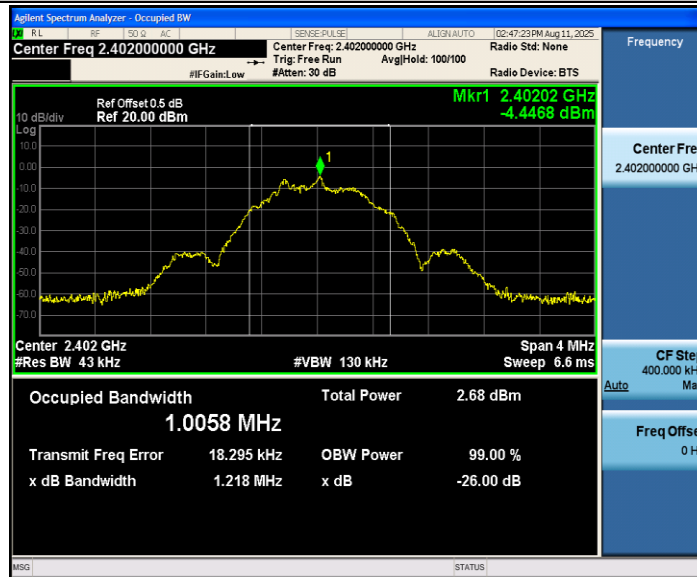
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0058	2401.5154	2402.5212	---	---
		2440	1.0060	2439.5156	2440.5216	---	---
		2480	1.0079	2479.5157	2480.5236	---	---

Test Graphs

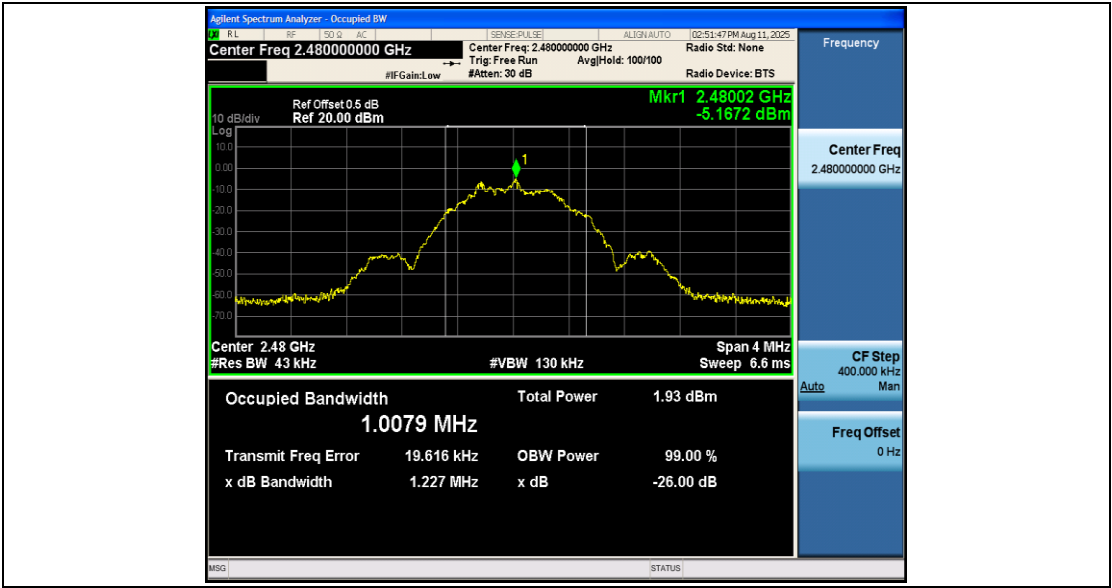
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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	-3.39	≤30	PASS
		2440	-3.91	≤30	PASS
		2480	-4.10	≤30	PASS

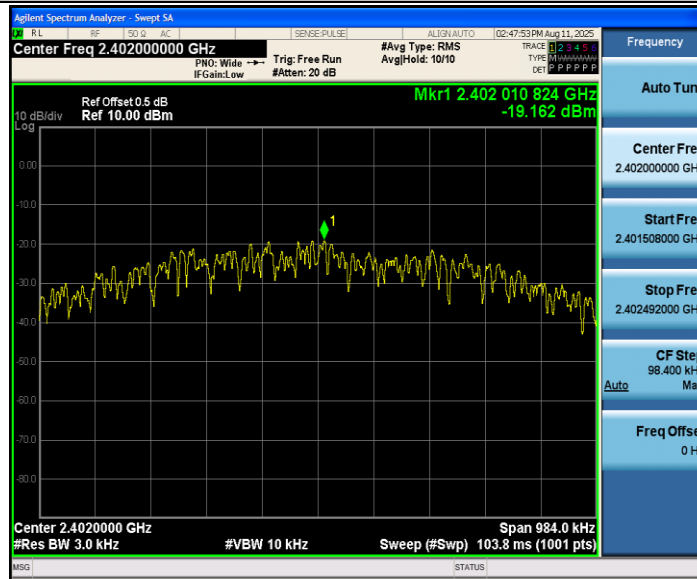
Appendix D: Maximum power spectral density

Test Result

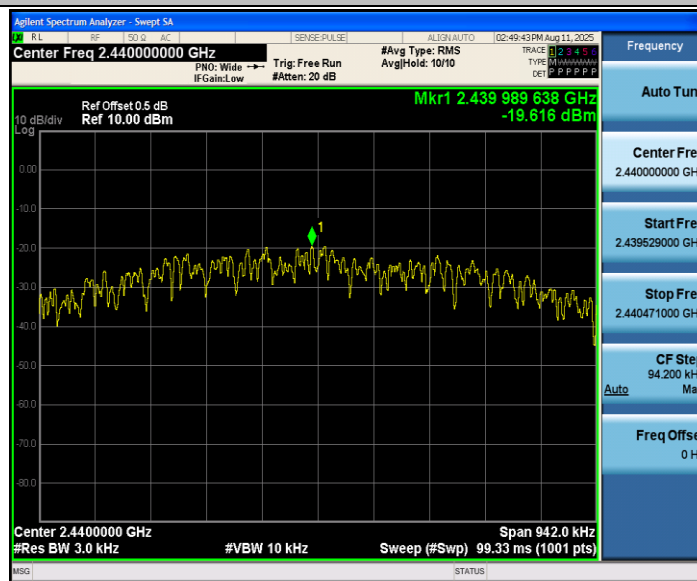
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.16	≤8.00	PASS
		2440	-19.62	≤8.00	PASS
		2480	-19.81	≤8.00	PASS

Test Graphs

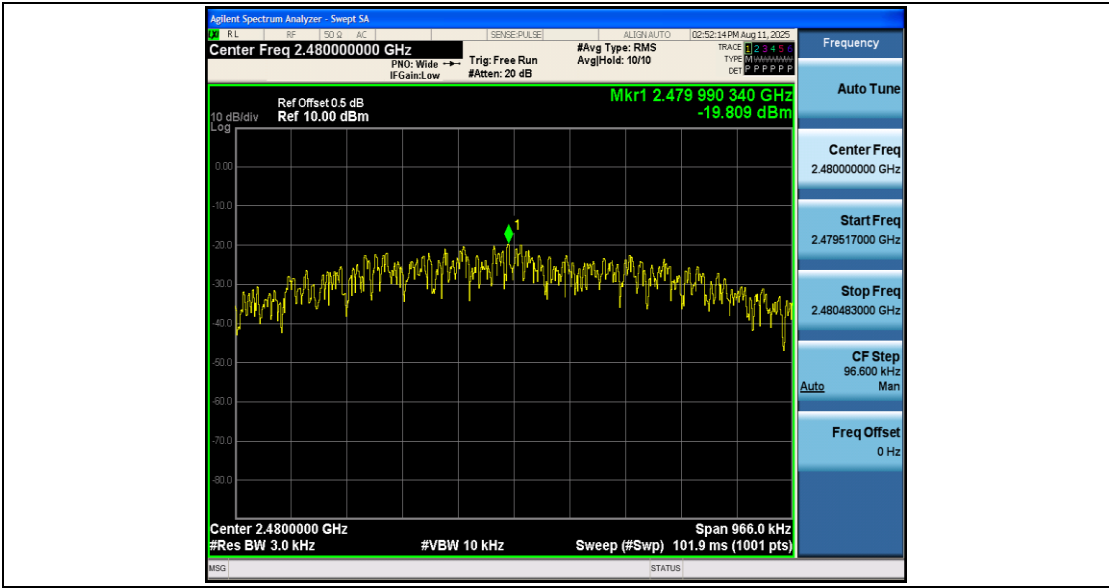
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



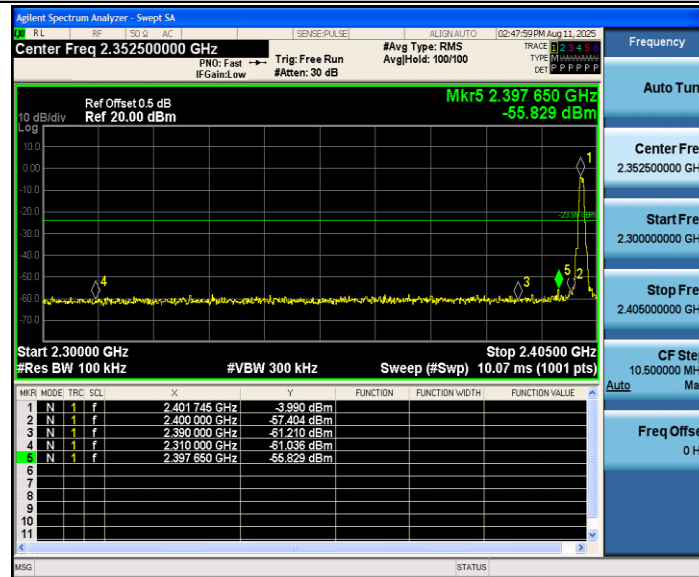
Appendix E: Band edge measurements

Test Result

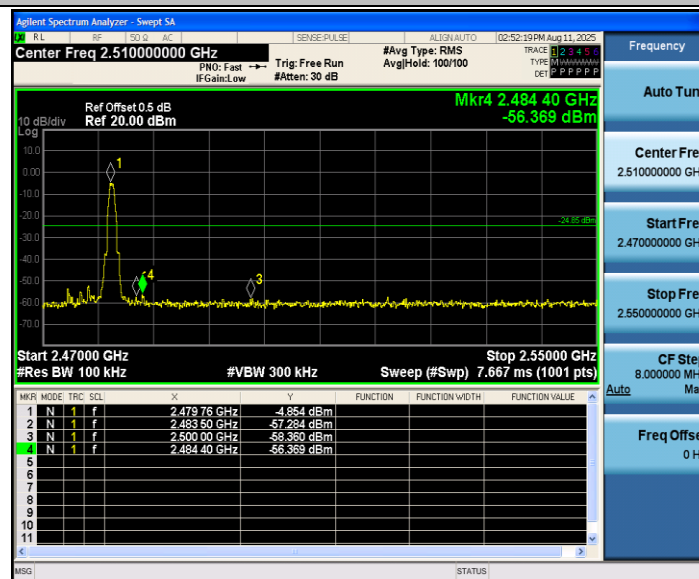
TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-3.99	-55.83	≤-23.99	PASS
		High	2480	-4.85	-56.37	≤-24.85	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480

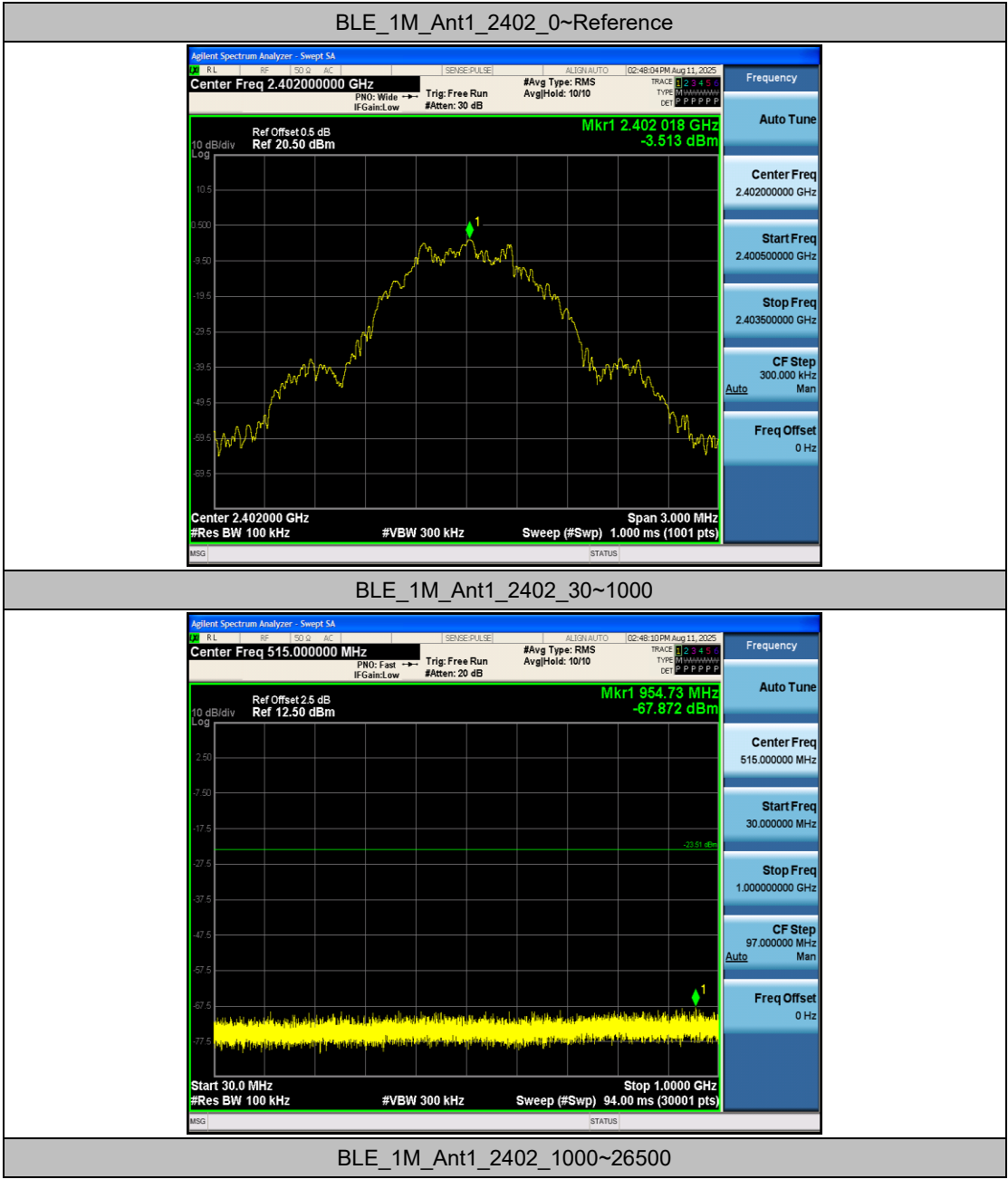


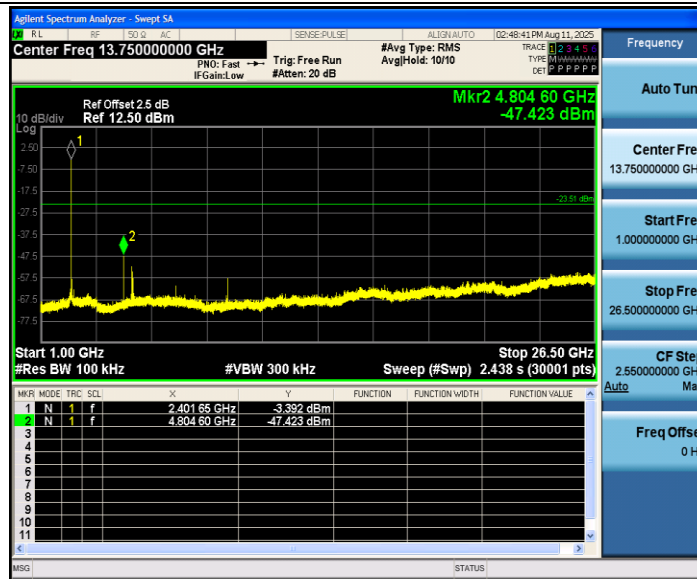
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.51	-3.51	---	PASS
			30~1000	-3.51	-67.87	≤-23.51	PASS
			1000~26500	-3.51	-47.42	≤-23.51	PASS
		2440	Reference	-4.52	-4.52	---	PASS
			30~1000	-4.52	-67.2	≤-24.52	PASS
			1000~26500	-4.52	-49.78	≤-24.52	PASS
		2480	Reference	-4.93	-4.93	---	PASS
			30~1000	-4.93	-67.84	≤-24.93	PASS
			1000~26500	-4.93	-47.95	≤-24.93	PASS

Test Graphs

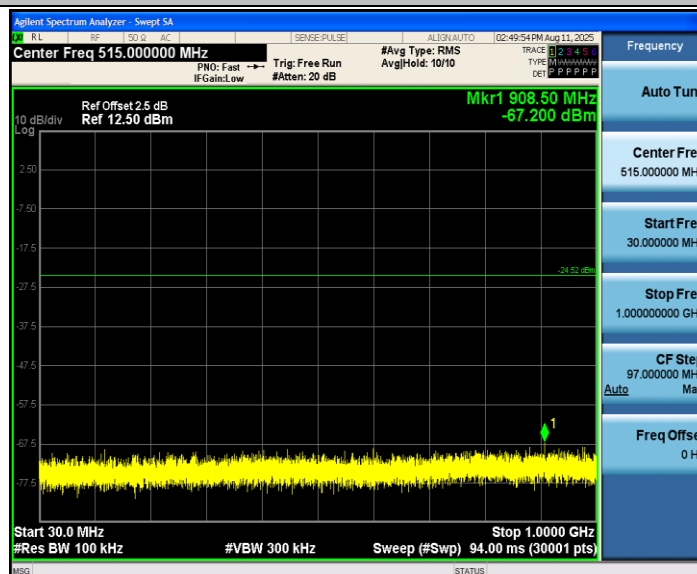




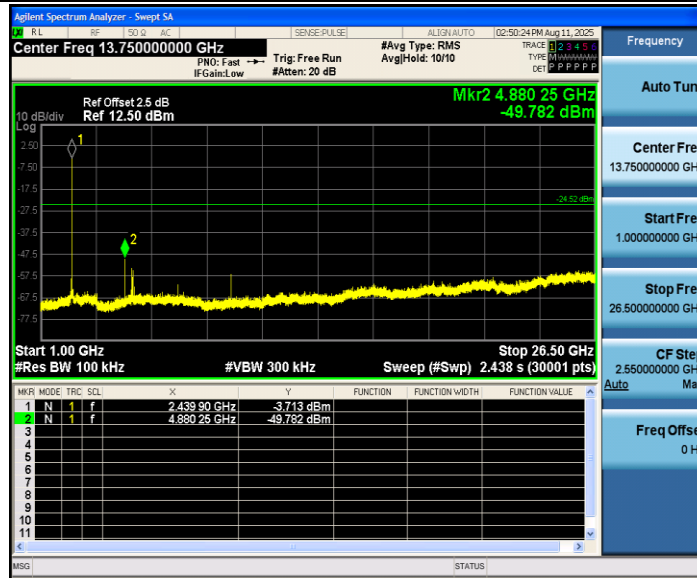
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



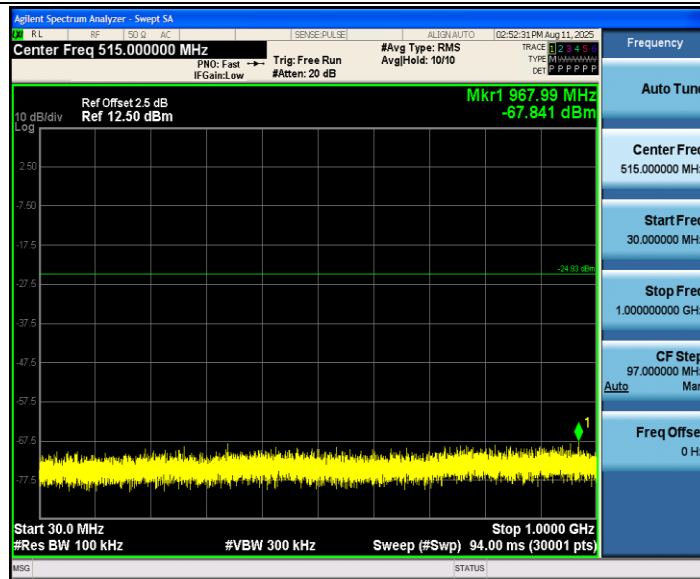
BLE_1M_Ant1_2440_1000~26500



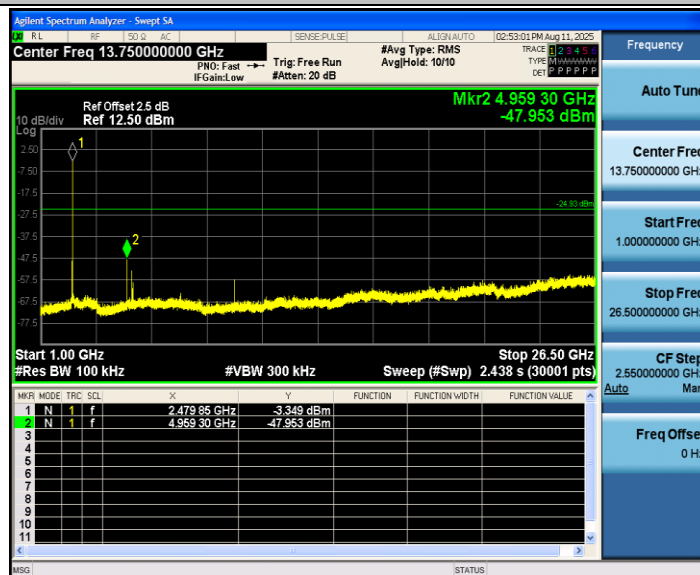
BLE_1M_Ant1_2480_0~Reference



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

