

FCC Appendix RF Test Data

FCC ID : 2BPZ7-YDSNF002

Company : WUYI MINGSHI INTELLIGENT AND TECHNOLOGY
CO.,LTD

EUT : sauna room

Model Number : YDSNF002

Report No. : CTA25060601701

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	2401.696	2402.336	0.5	PASS
		2440	0.644	2439.692	2440.336	0.5	PASS
		2480	0.644	2479.692	2480.336	0.5	PASS

Test Graphs



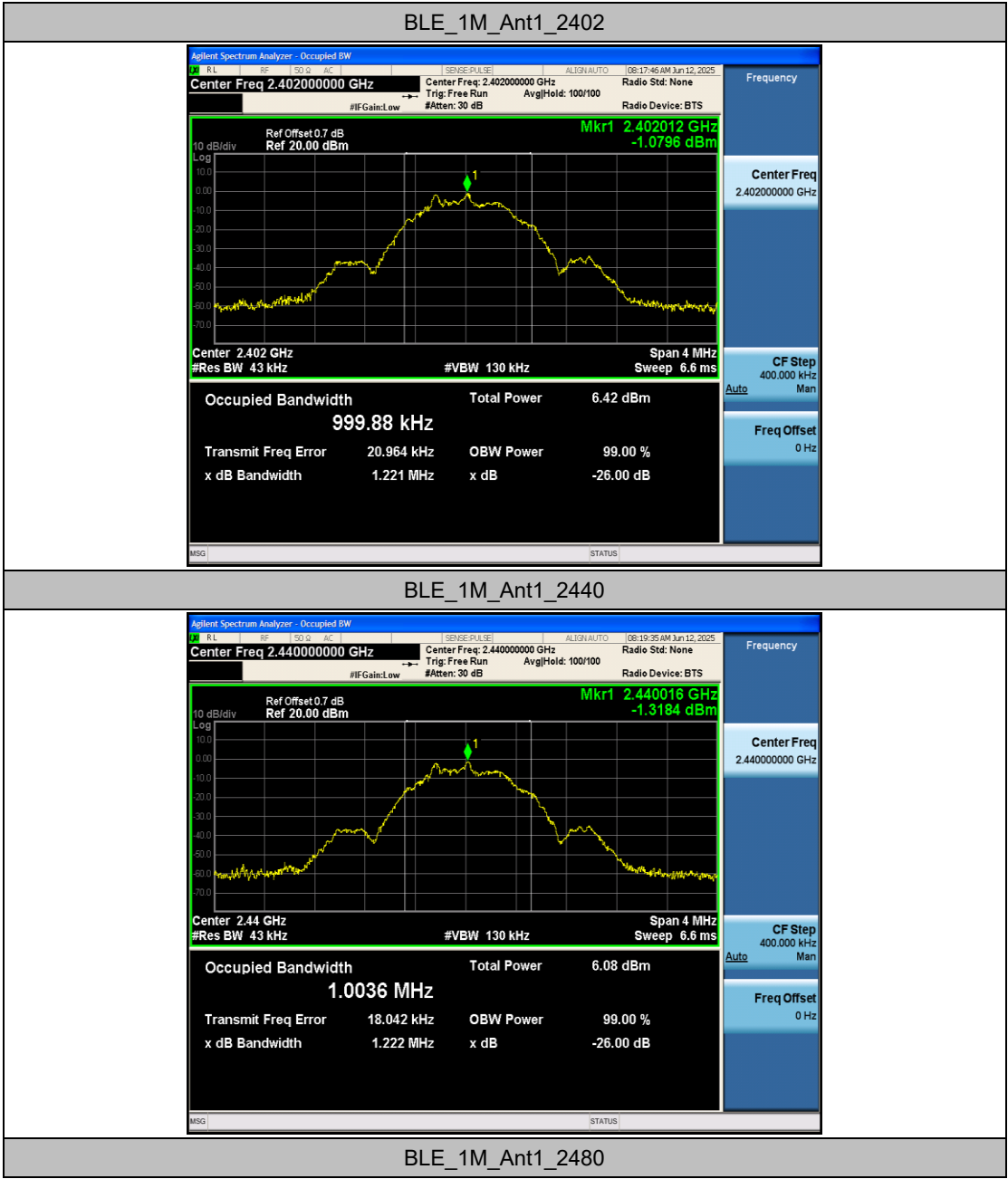


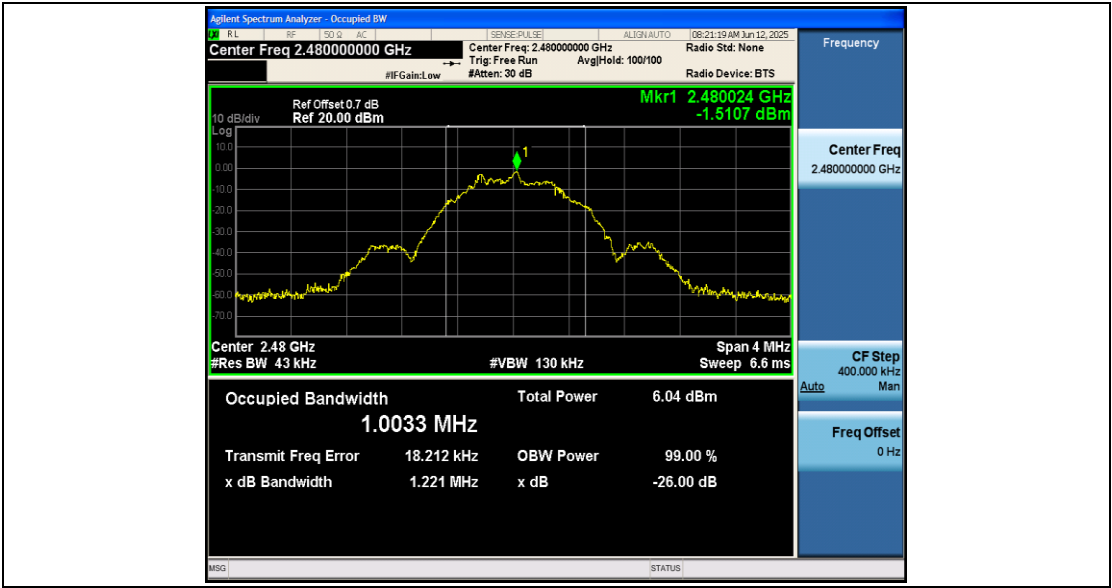
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.99988	2401.5210	2402.5209	---	---
		2440	1.0036	2439.5162	2440.5198	---	---
		2480	1.0033	2479.5166	2480.5199	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

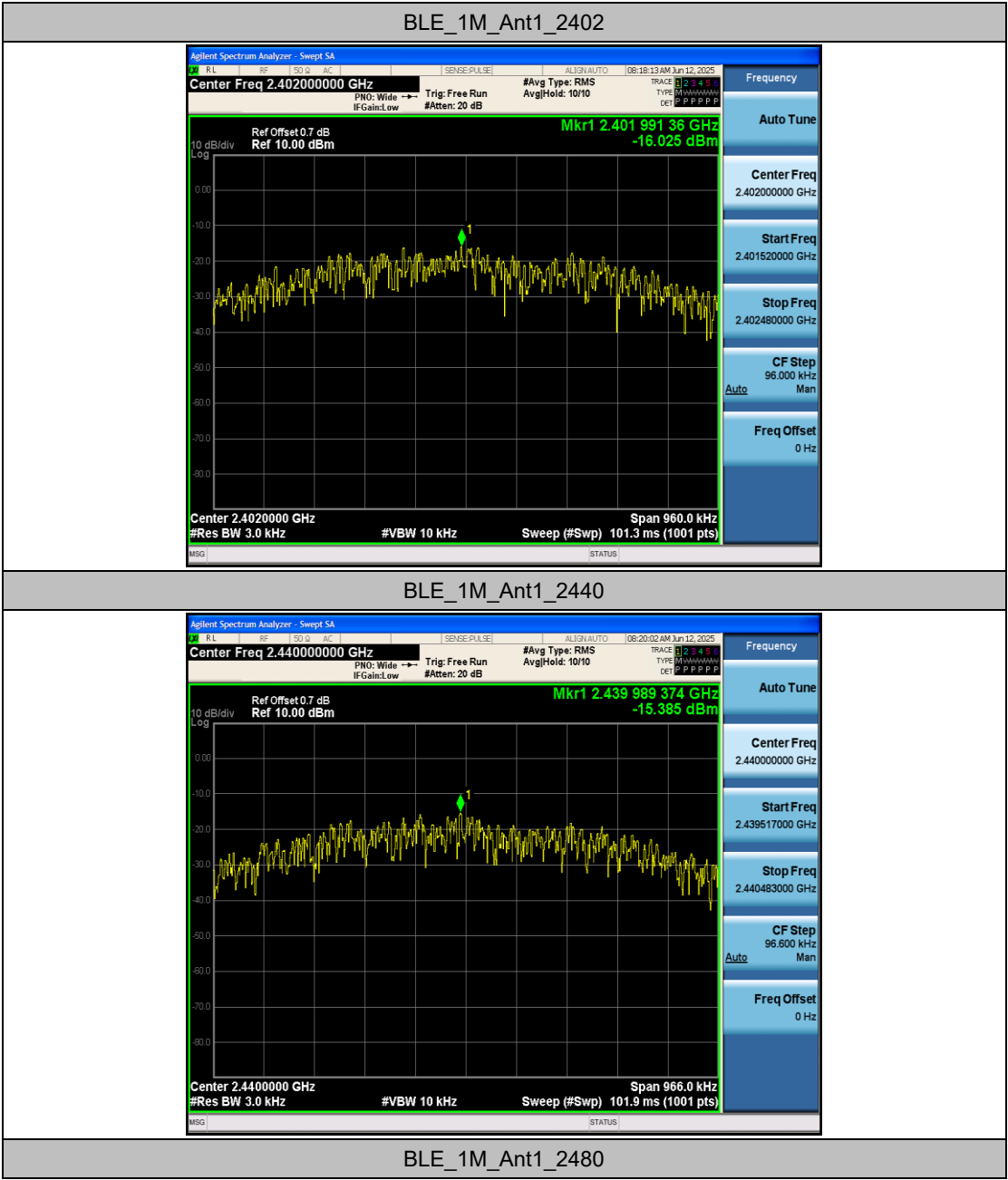
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.27	≤30	PASS
		2440	-0.06	≤30	PASS
		2480	-0.13	≤30	PASS

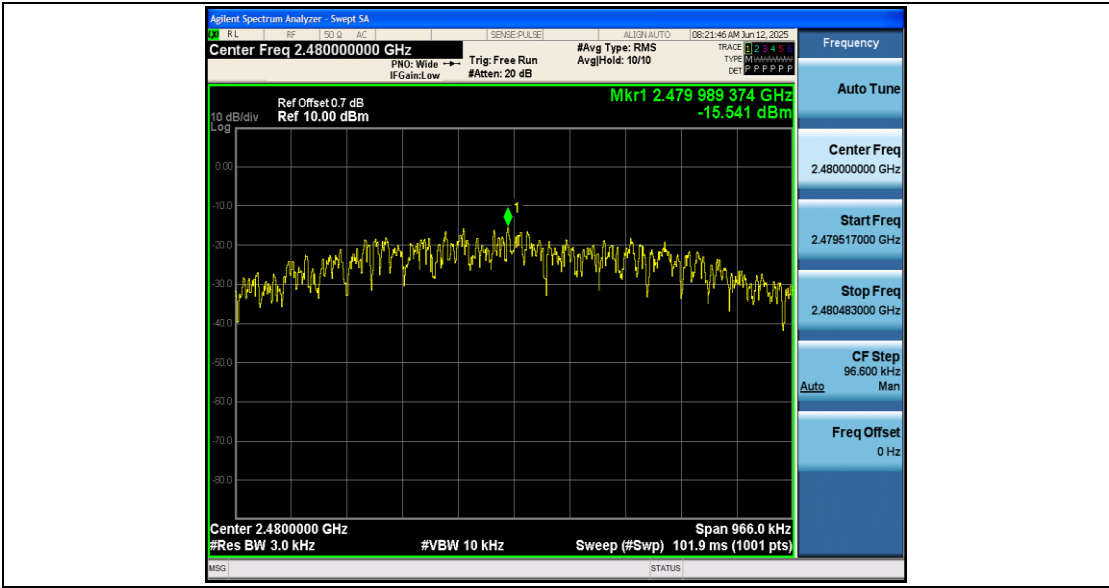
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.03	≤8.00	PASS
		2440	-15.39	≤8.00	PASS
		2480	-15.54	≤8.00	PASS

Test Graphs



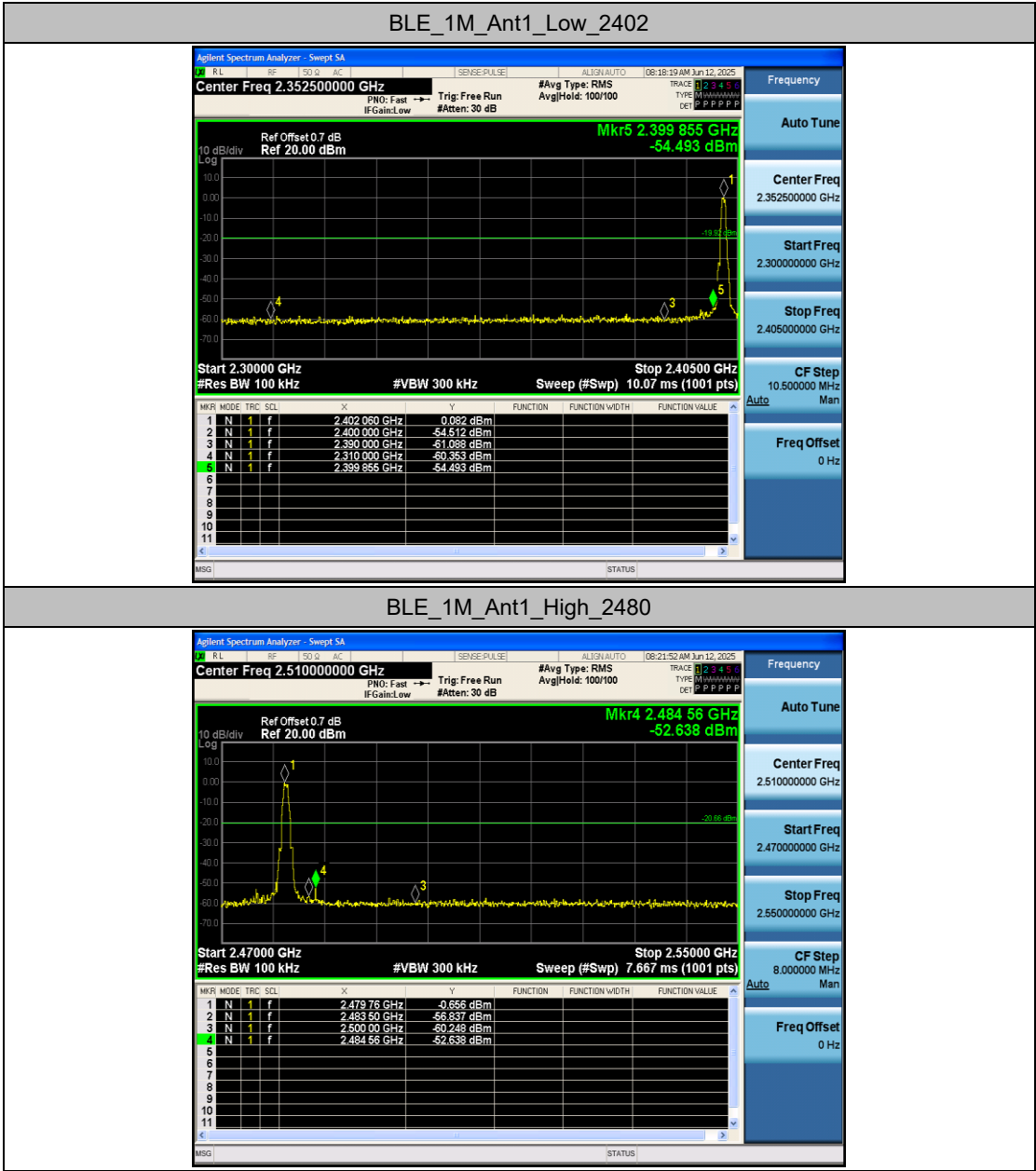


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.08	-54.49	≤-19.92	PASS
		High	2480	-0.66	-52.64	≤-20.66	PASS

Test Graphs

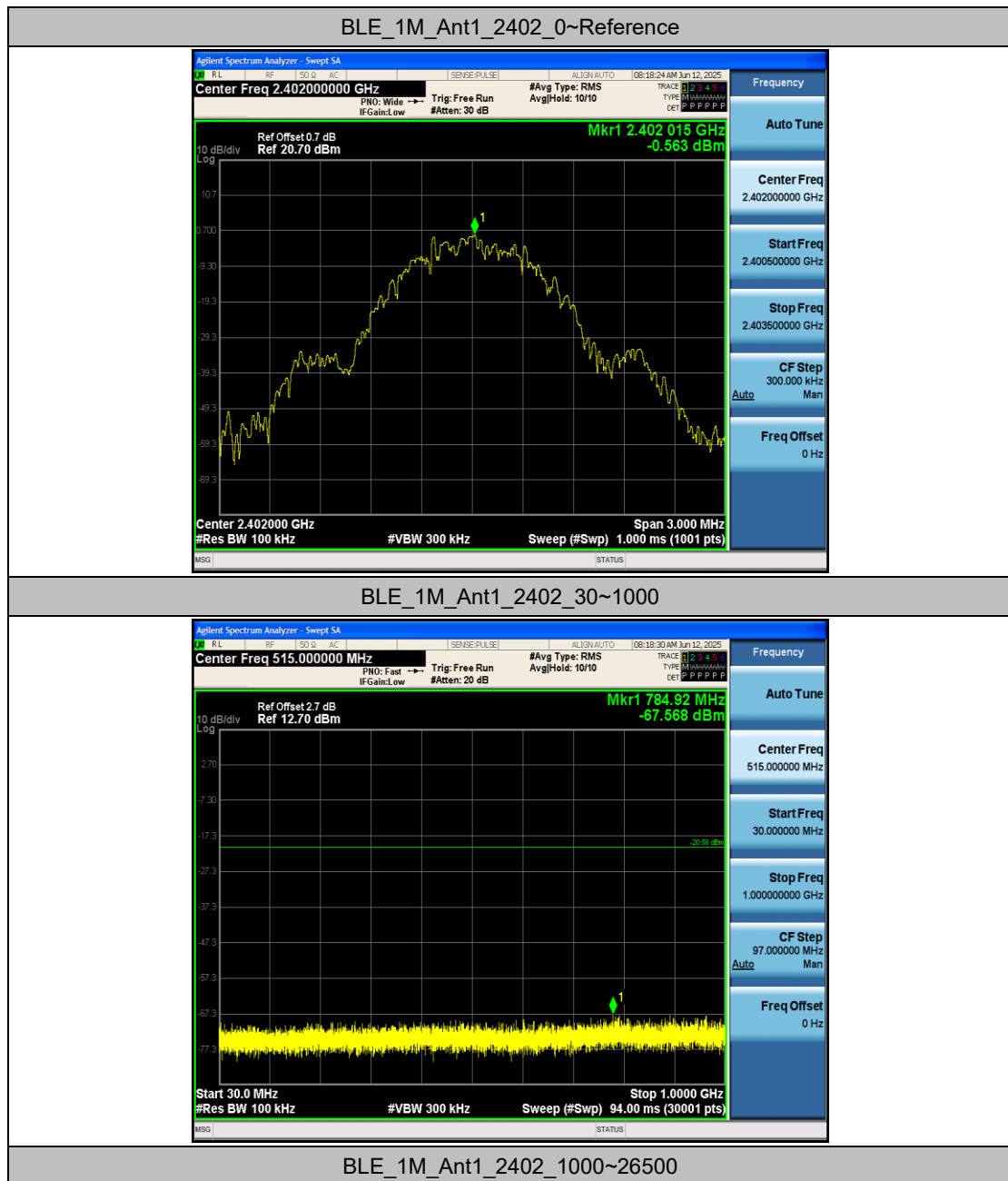


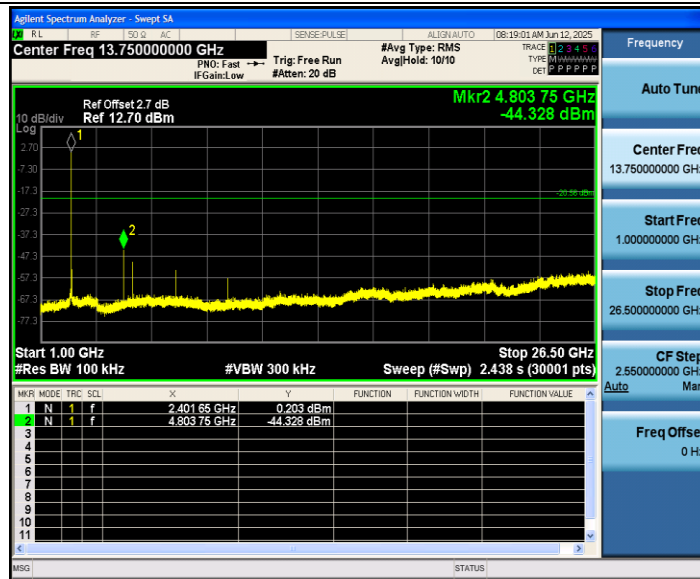
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.56	-0.56	---	PASS
			30~1000	-0.56	-67.57	≤-20.56	PASS
			1000~26500	-0.56	-44.33	≤-20.56	PASS
		2440	Reference	-0.22	-0.22	---	PASS
			30~1000	-0.22	-67.13	≤-20.22	PASS
			1000~26500	-0.22	-41.05	≤-20.22	PASS
		2480	Reference	-1.83	-1.83	---	PASS
			30~1000	-1.83	-67.2	≤-21.83	PASS
			1000~26500	-1.83	-41.26	≤-21.83	PASS

Test Graphs

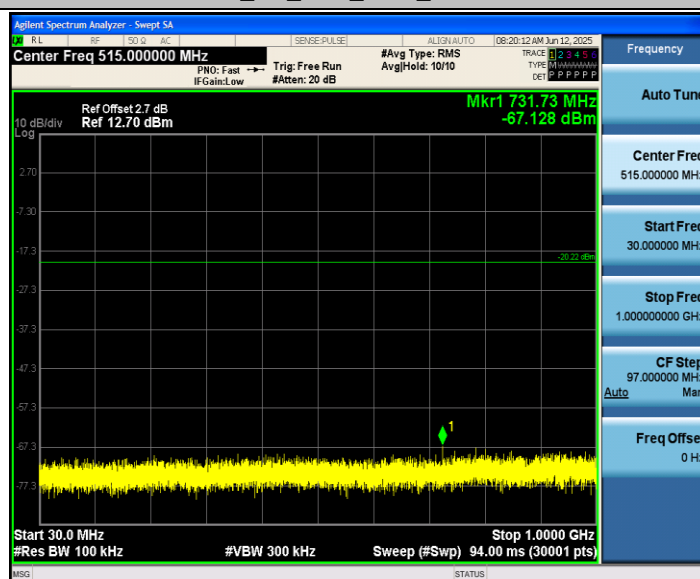




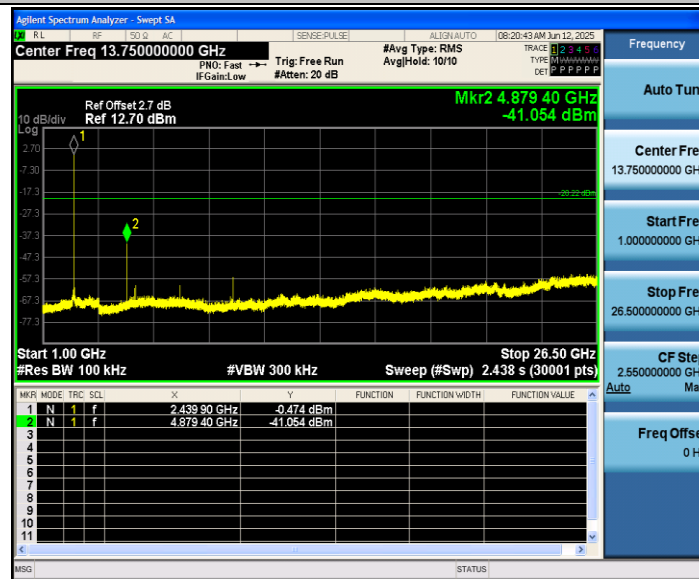
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



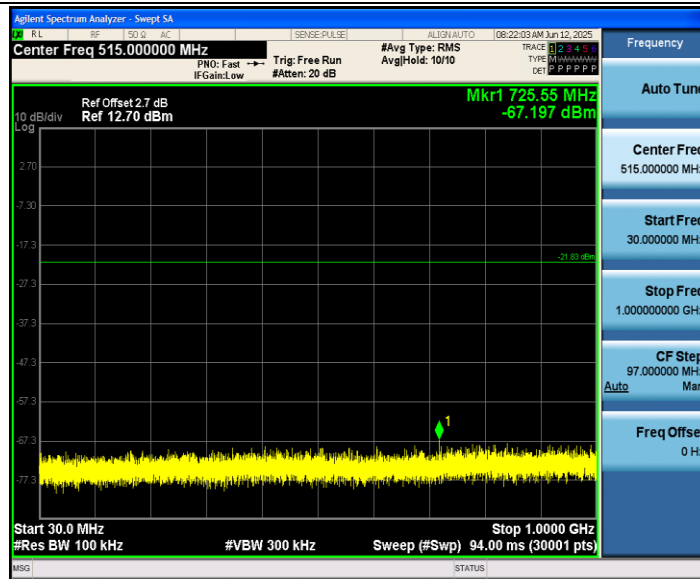
BLE_1M_Ant1_2440_1000~26500



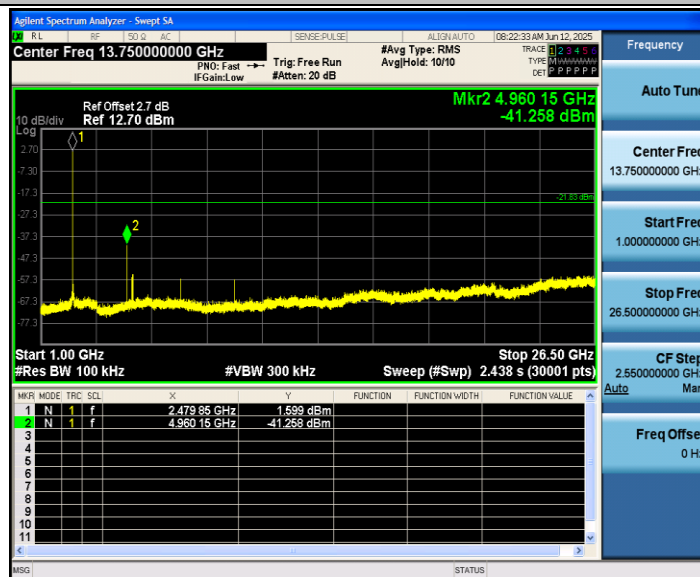
BLE_1M_Ant1_2480_0~Reference



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	0.62	0.6613	66.13	1.80	---	---
		2440	0.41	0.62	0.6613	66.13	1.80	---	---
		2480	0.41	0.62	0.6613	66.13	1.80	---	---

Test Graphs

