

Appendix RF Test Data for BLE

FCC ID : 2BO7G-S60

Company : Shenzhen Yiwei Technology Co., LTD

EUT : Wireless Earphone

Model Number : S60

Report No. : CTA25070700301

Reviewed By : Eric Wang

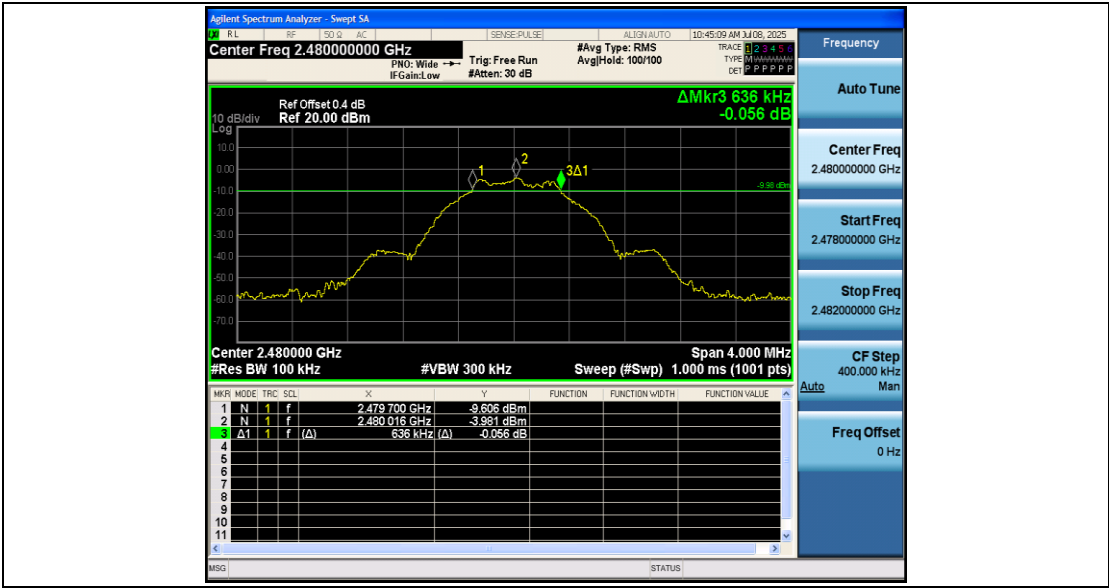
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.624	2401.700	2402.324	0.5	PASS
		2440	0.632	2439.696	2440.328	0.5	PASS
		2480	0.636	2479.700	2480.336	0.5	PASS

Test Graphs



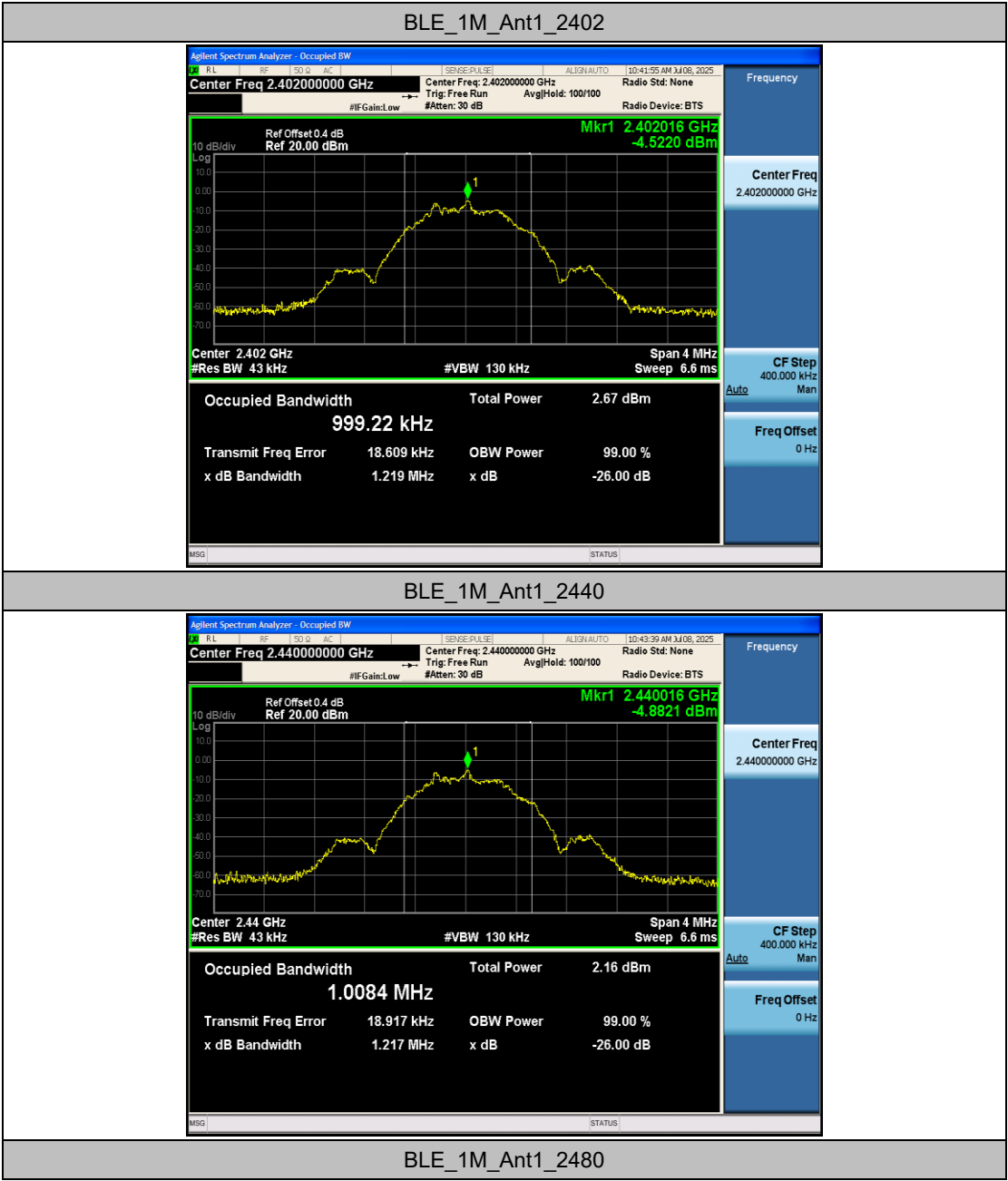


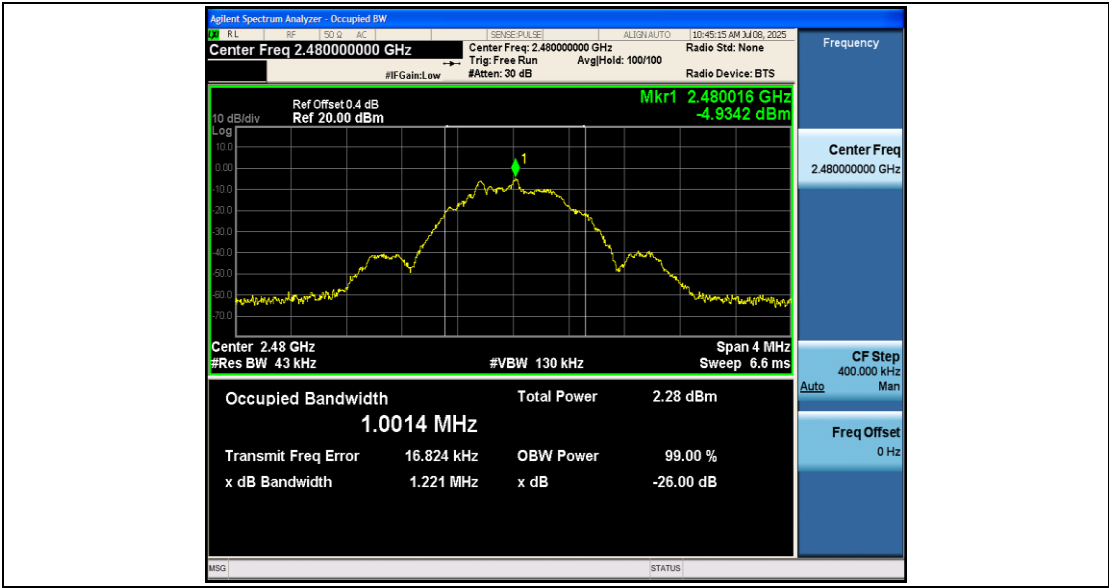
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.99922	2401.5190	2402.5182	---	---
		2440	1.0084	2439.5147	2440.5231	---	---
		2480	1.0014	2479.5161	2480.5175	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

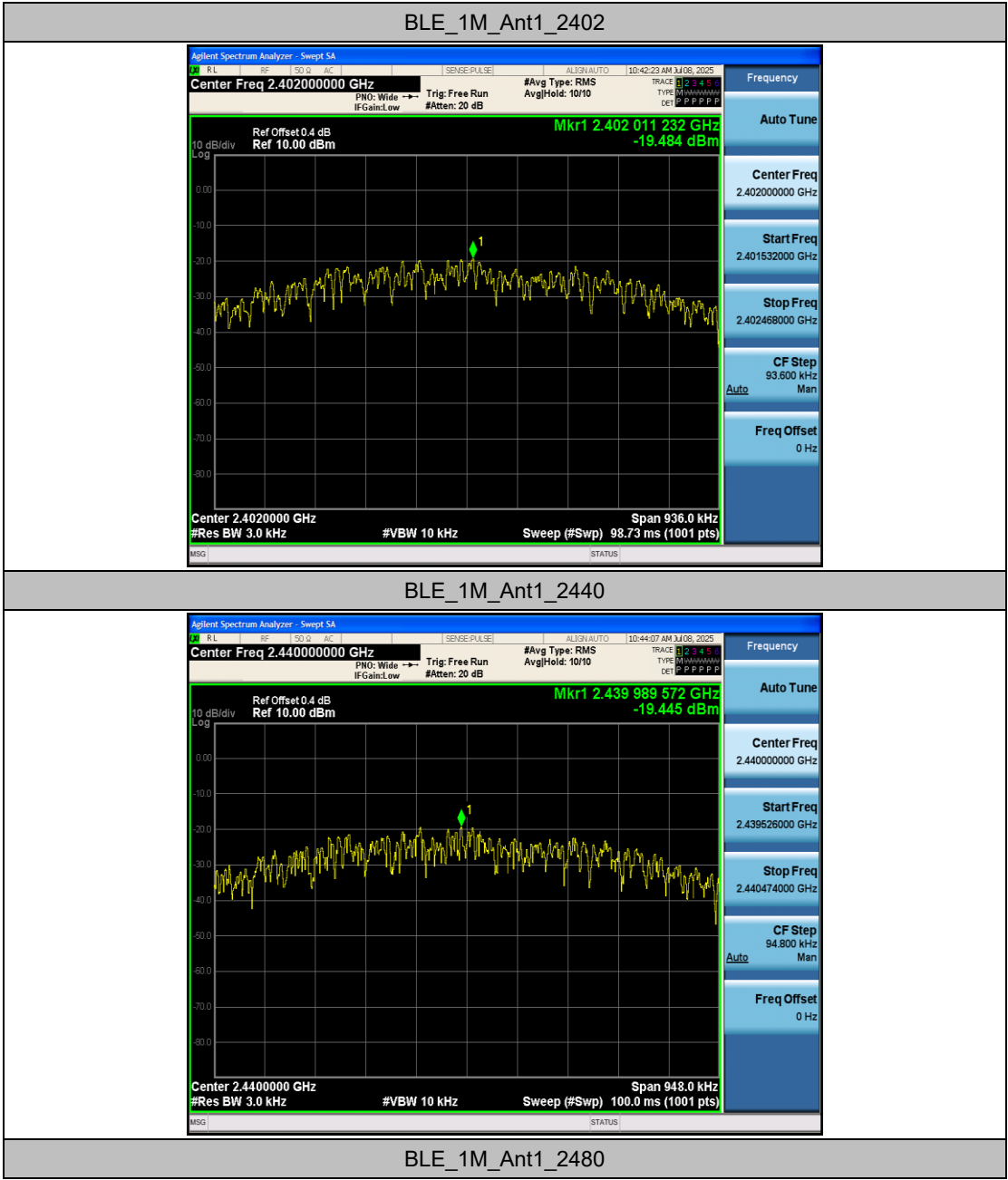
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.50	≤30	PASS
		2440	-3.82	≤30	PASS
		2480	-3.89	≤30	PASS

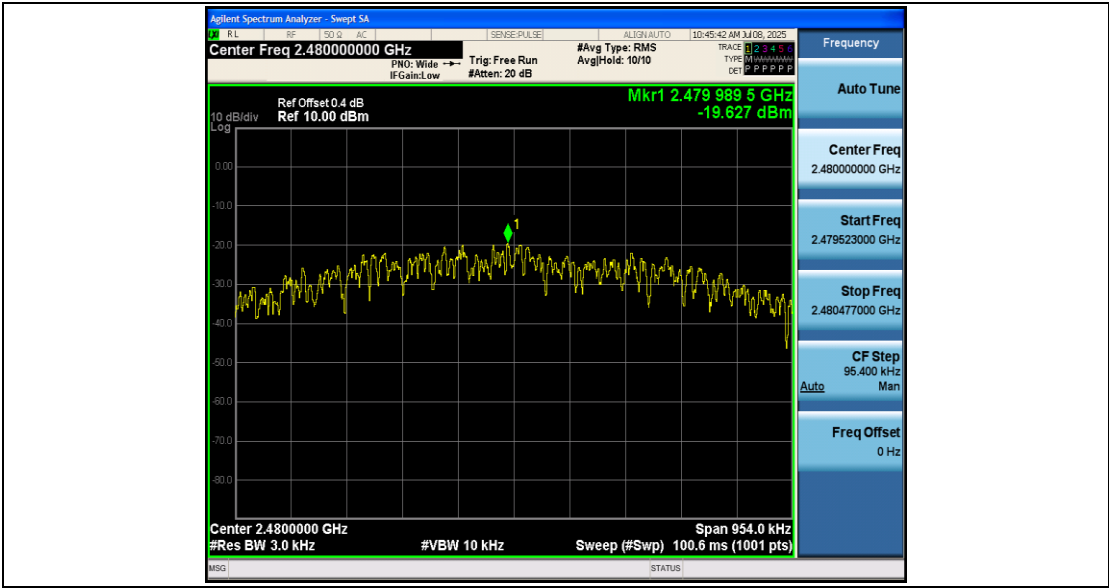
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.48	≤8.00	PASS
		2440	-19.45	≤8.00	PASS
		2480	-19.63	≤8.00	PASS

Test Graphs





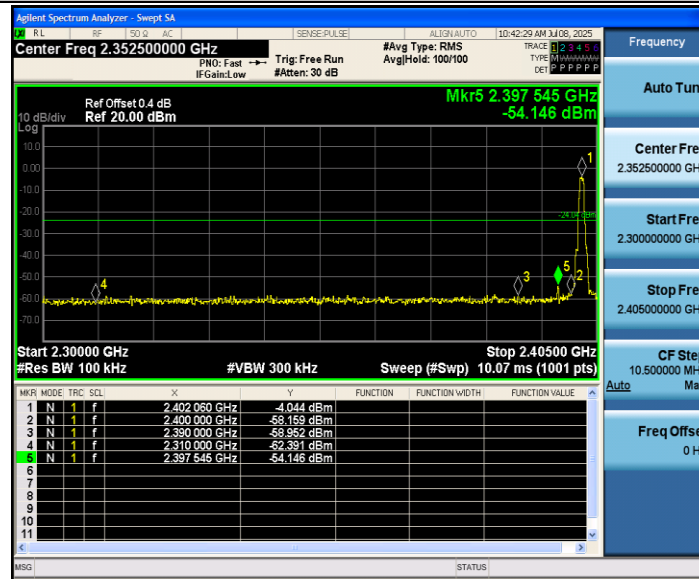
Appendix E: Band edge measurements

Test Result

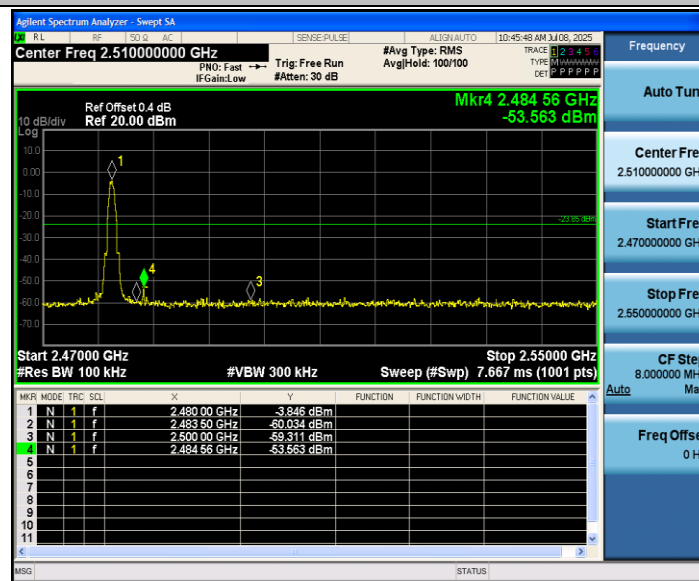
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.04	-54.15	≤-24.04	PASS
		High	2480	-3.85	-53.56	≤-23.85	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480

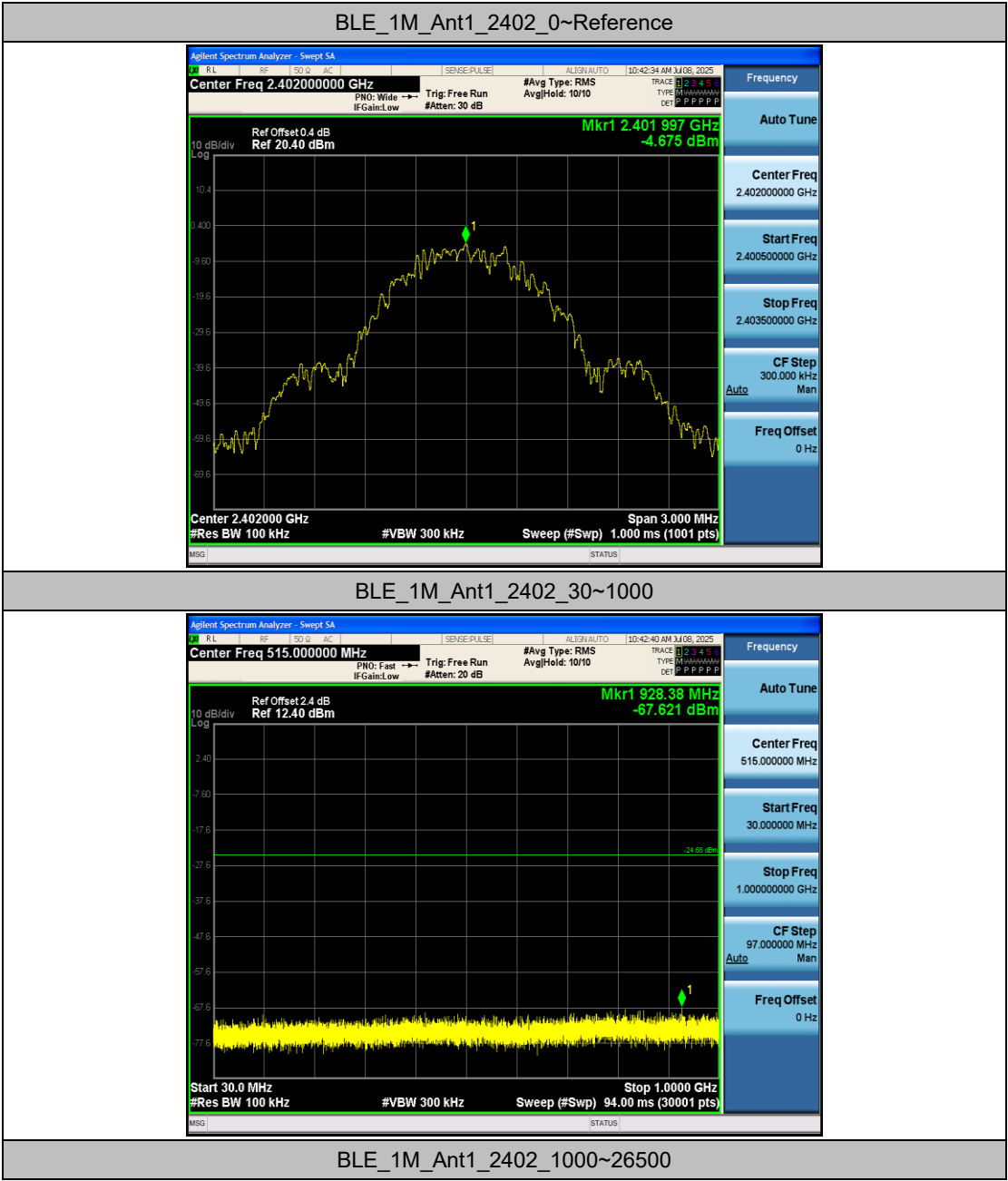


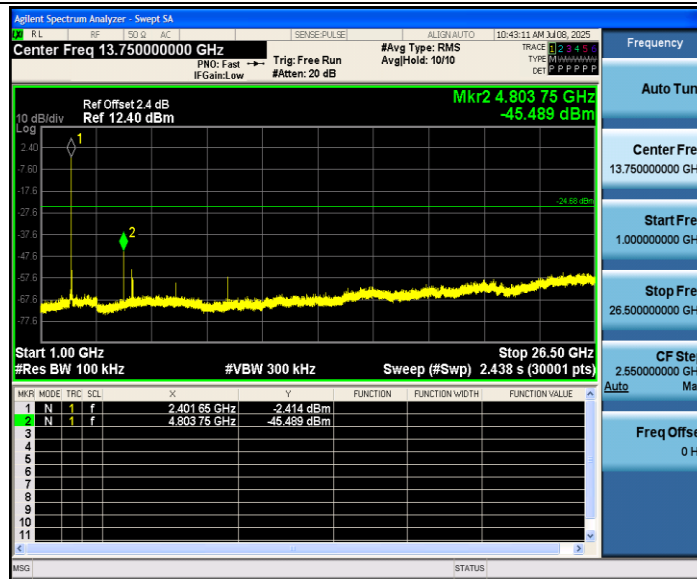
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.68	-4.68	---	PASS
			30~1000	-4.68	-67.62	≤-24.68	PASS
			1000~26500	-4.68	-45.49	≤-24.68	PASS
		2440	Reference	-5.01	-5.01	---	PASS
			30~1000	-5.01	-66.54	≤-25.01	PASS
			1000~26500	-5.01	-48.21	≤-25.01	PASS
		2480	Reference	-4.35	-4.35	---	PASS
			30~1000	-4.35	-67.51	≤-24.35	PASS
			1000~26500	-4.35	-48.02	≤-24.35	PASS

Test Graphs

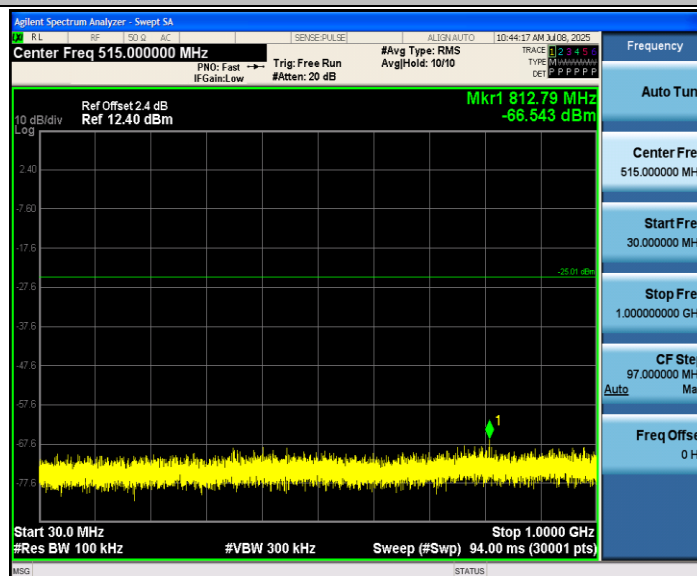




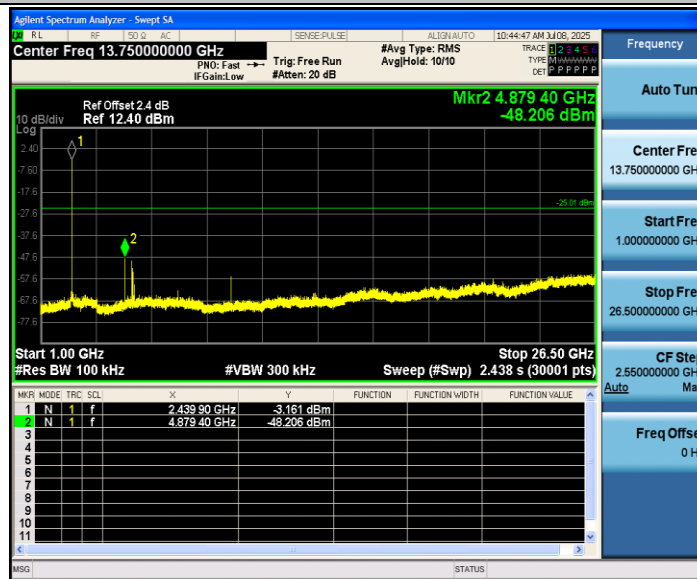
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



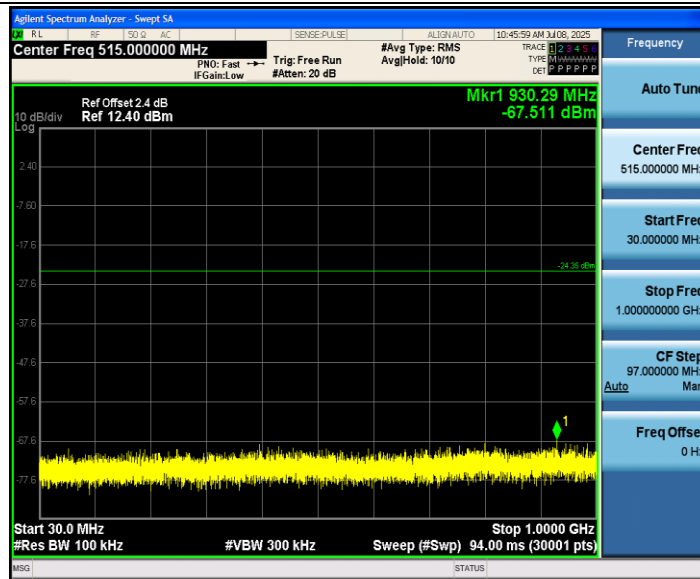
BLE_1M_Ant1_2440_1000~26500



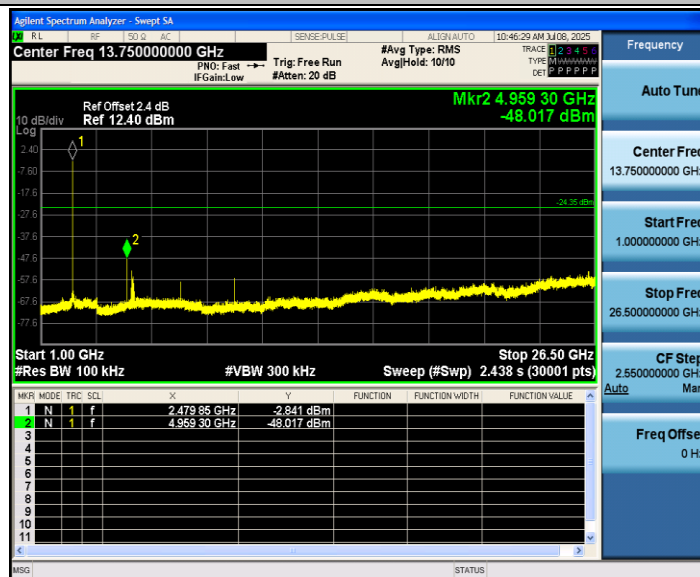
BLE_1M_Ant1_2480_0~Reference



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

