

FCC Appendix RF Test Data for BLE

FCC ID : 2BSRW-D2

Company : StreamVision Technology Limited

EUT : Smart Media Player

Model Number : DingBox D2

Report No. : CTA25101600301

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	0.652	2401.692	2402.344	0.5	PASS
		2440	0.644	2439.692	2440.336	0.5	PASS
		2480	0.656	2479.684	2480.340	0.5	PASS

Test Graphs



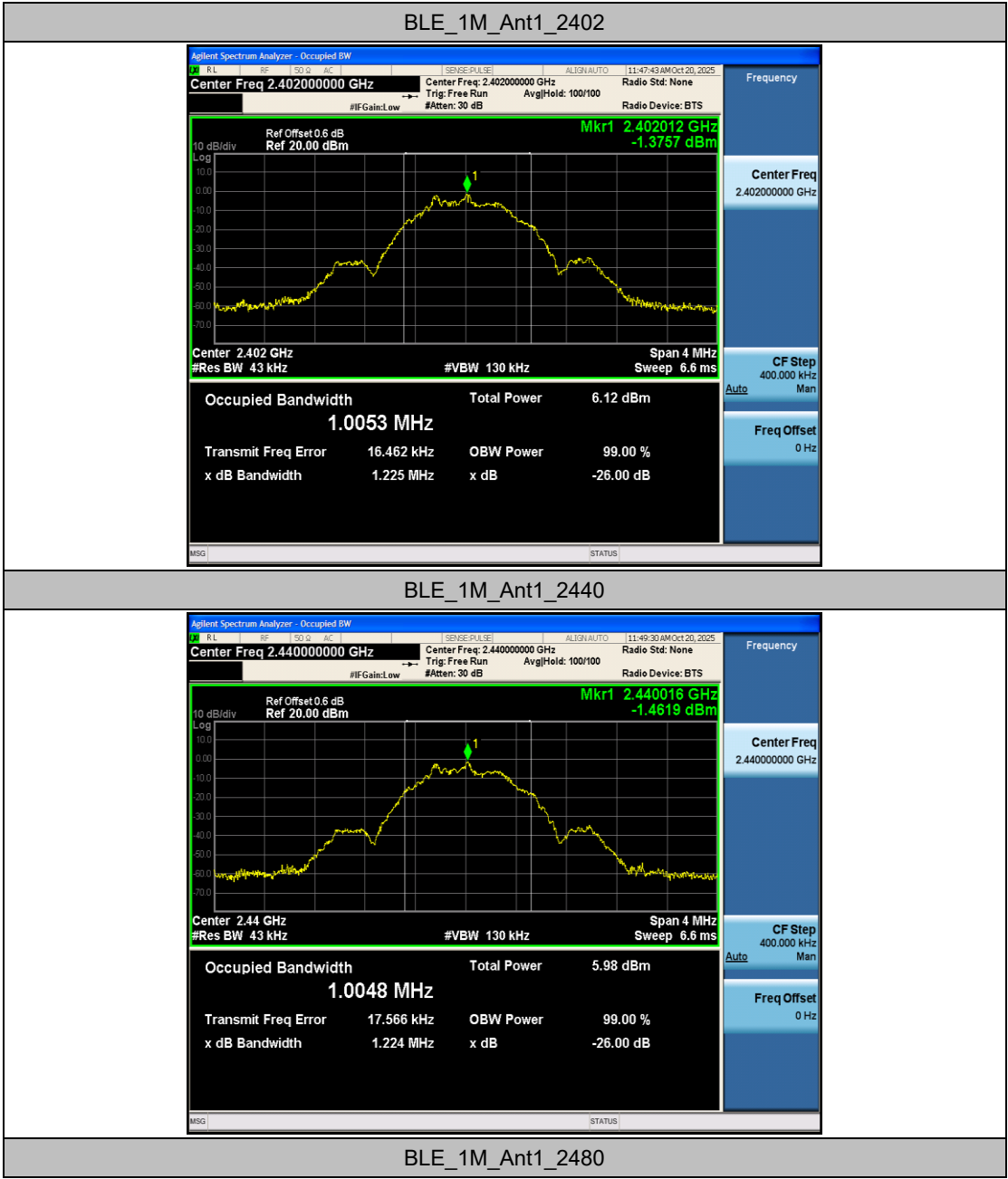


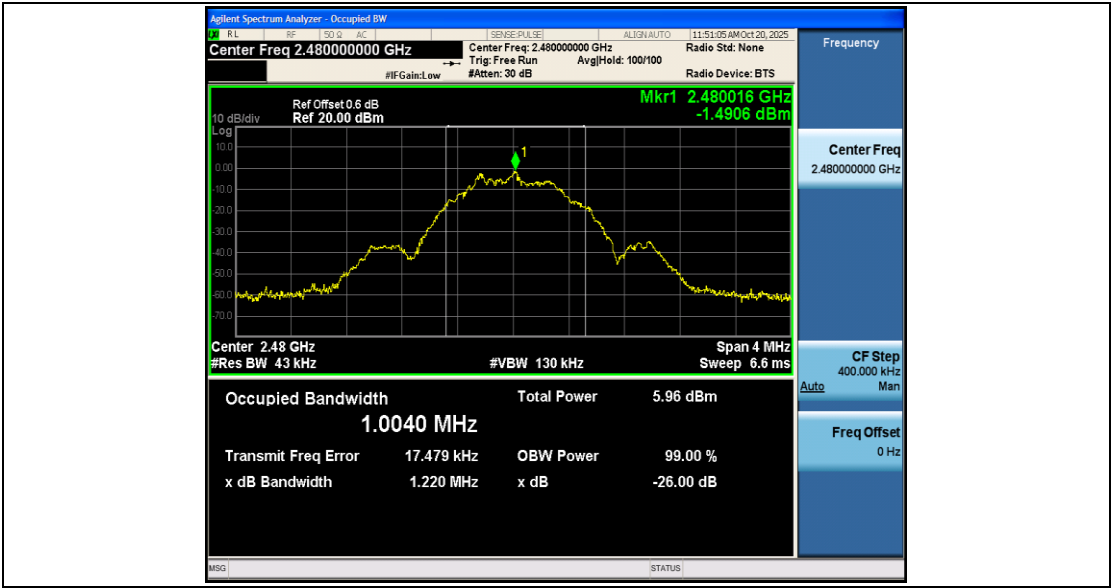
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0053	2401.5138	2402.5191	---	---
		2440	1.0048	2439.5152	2440.5200	---	---
		2480	1.0040	2479.5155	2480.5195	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

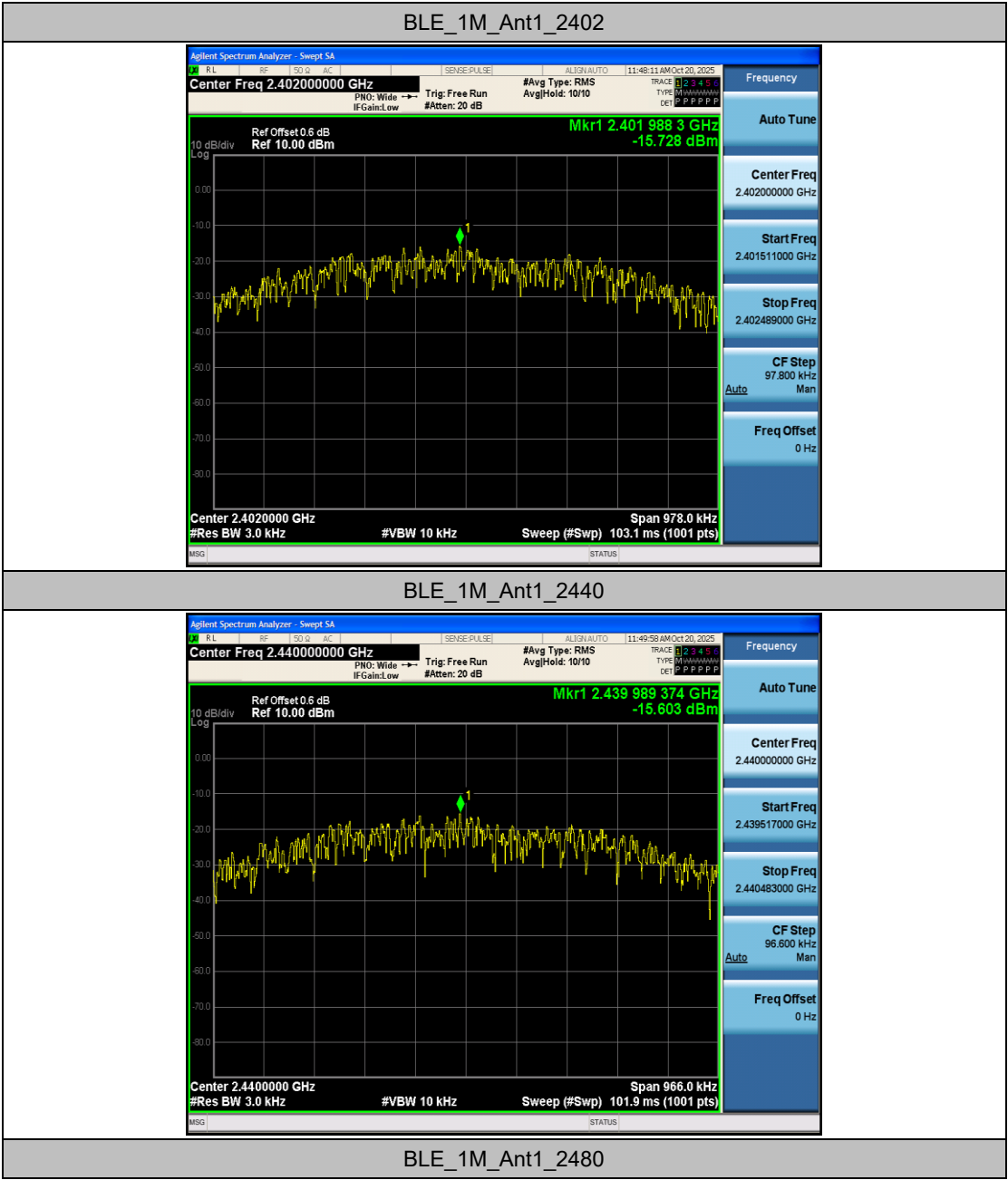
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.02	≤30	PASS
		2440	-0.23	≤30	PASS
		2480	-0.14	≤30	PASS

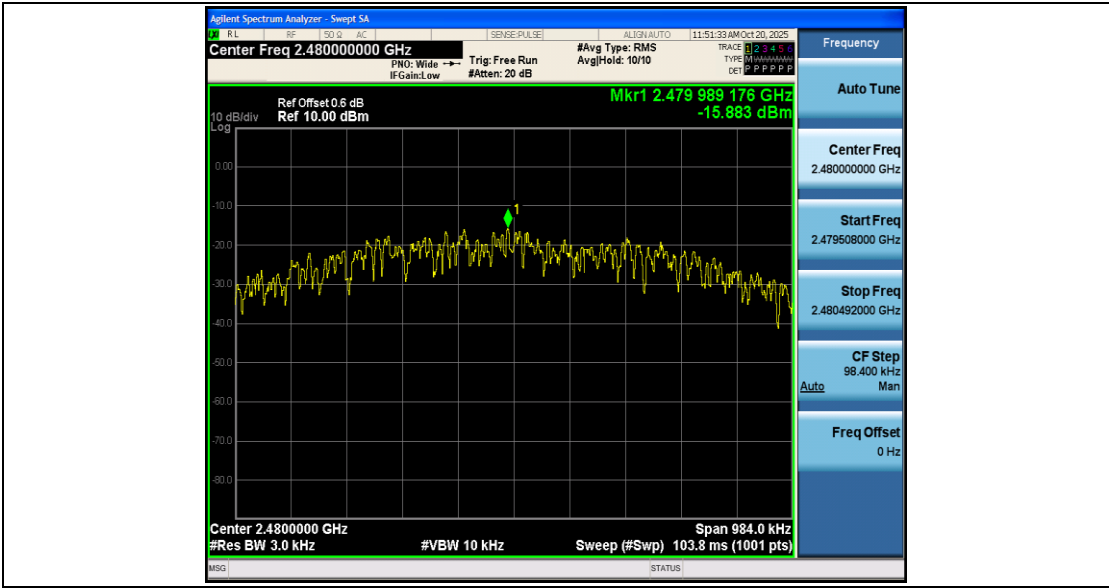
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.73	≤8.00	PASS
		2440	-15.60	≤8.00	PASS
		2480	-15.88	≤8.00	PASS

Test Graphs



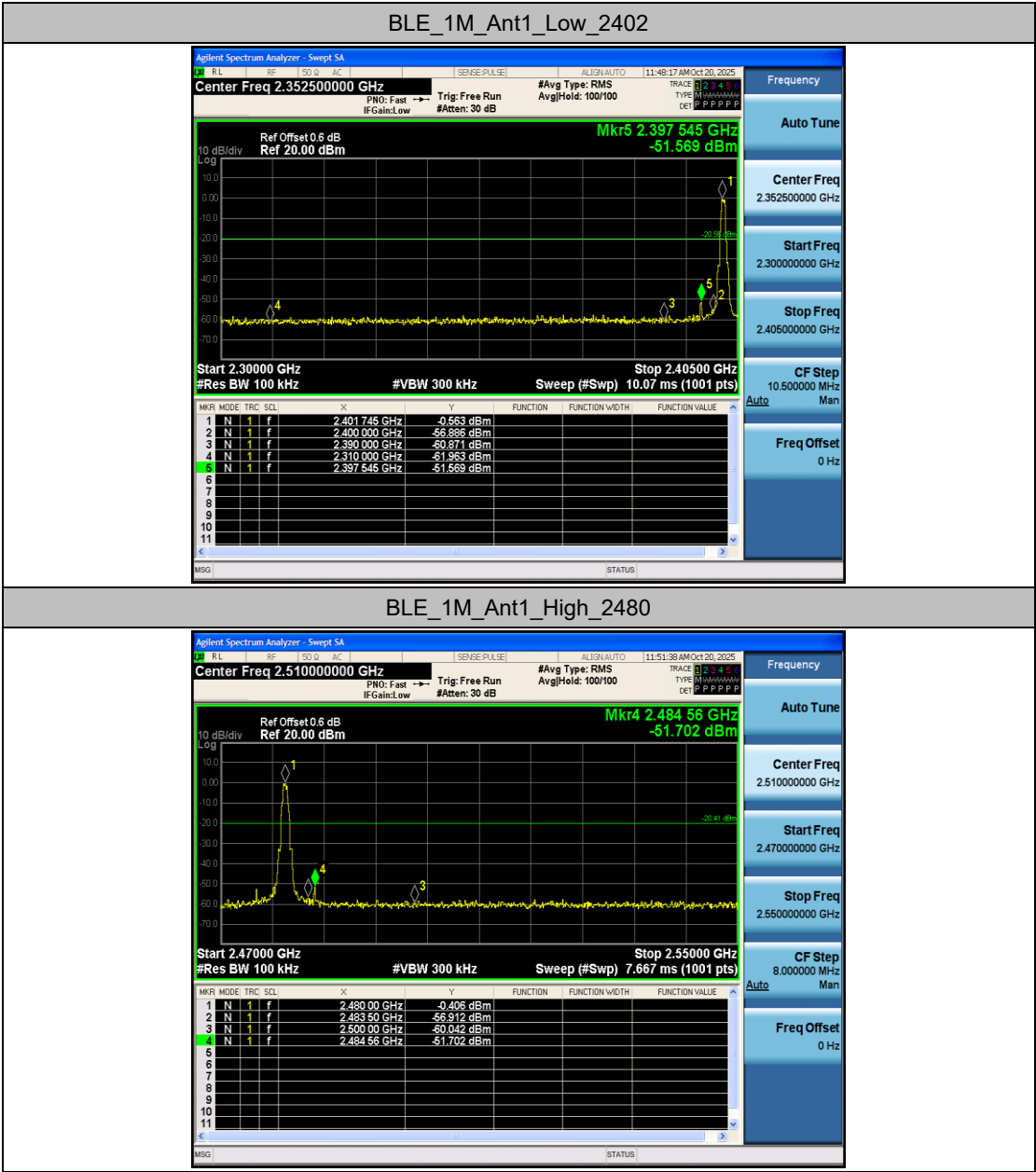


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-0.56	-51.57	≤-20.56	PASS
		High	2480	-0.41	-51.7	≤-20.41	PASS

Test Graphs

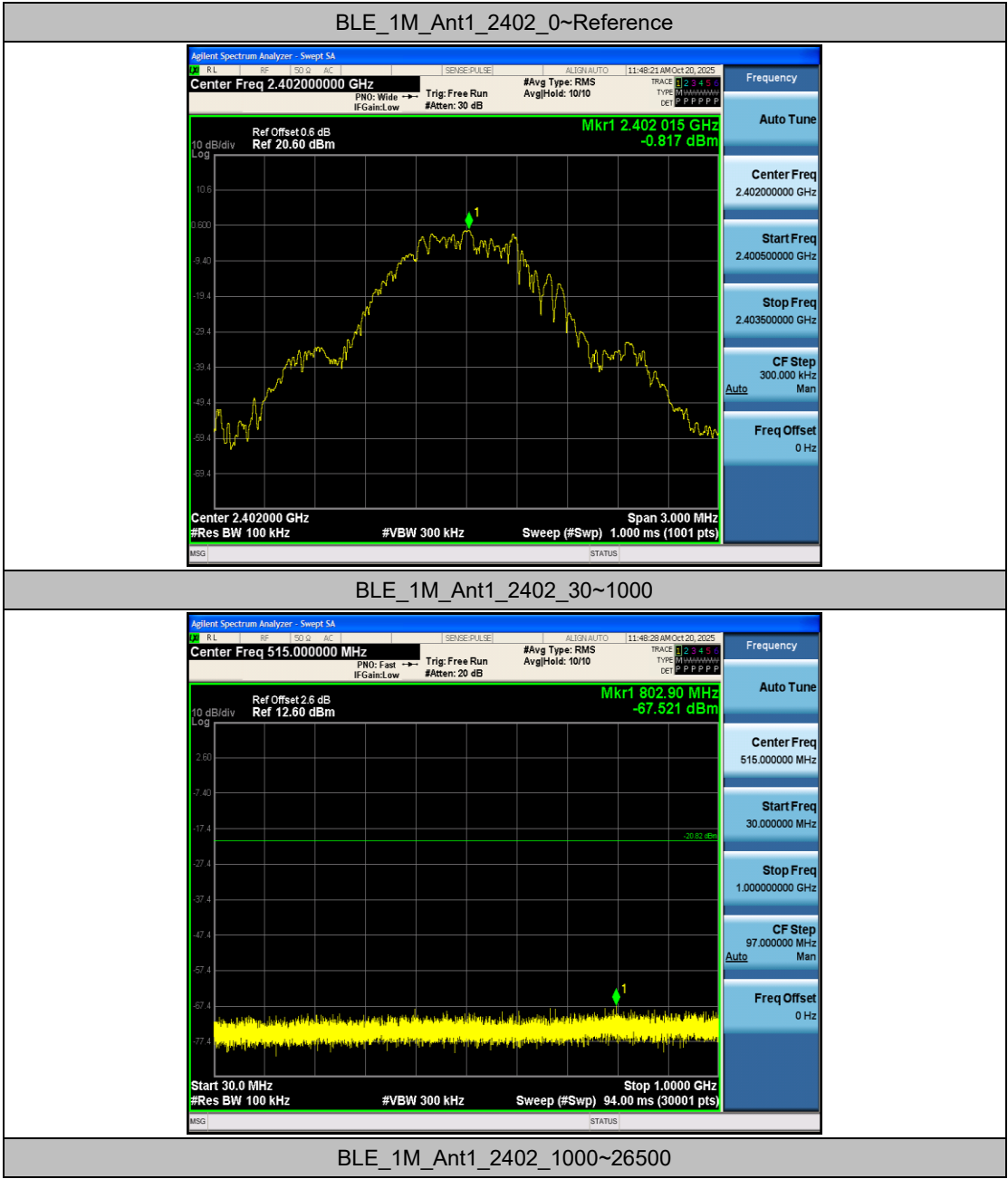


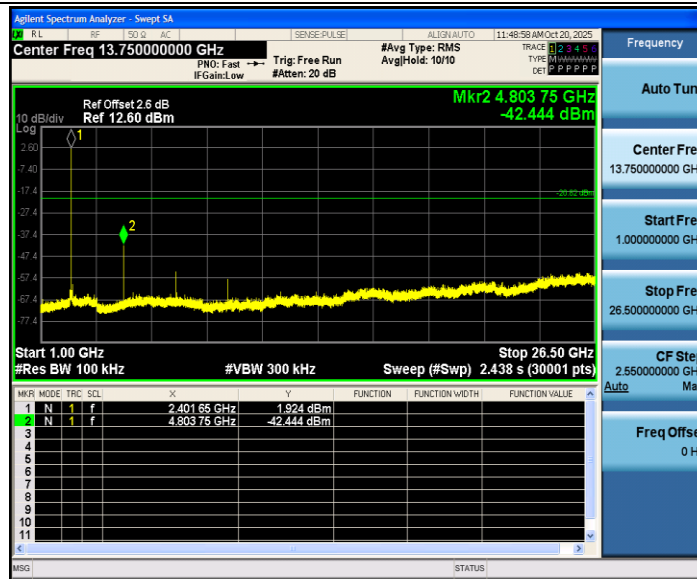
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.82	-0.82	---	PASS
			30~1000	-0.82	-67.52	≤-20.82	PASS
			1000~26500	-0.82	-42.44	≤-20.82	PASS
		2440	Reference	-0.58	-0.58	---	PASS
			30~1000	-0.58	-66.18	≤-20.58	PASS
			1000~26500	-0.58	-42.64	≤-20.58	PASS
		2480	Reference	-0.65	-0.65	---	PASS
			30~1000	-0.65	-67.67	≤-20.65	PASS
			1000~26500	-0.65	-42.09	≤-20.65	PASS

Test Graphs

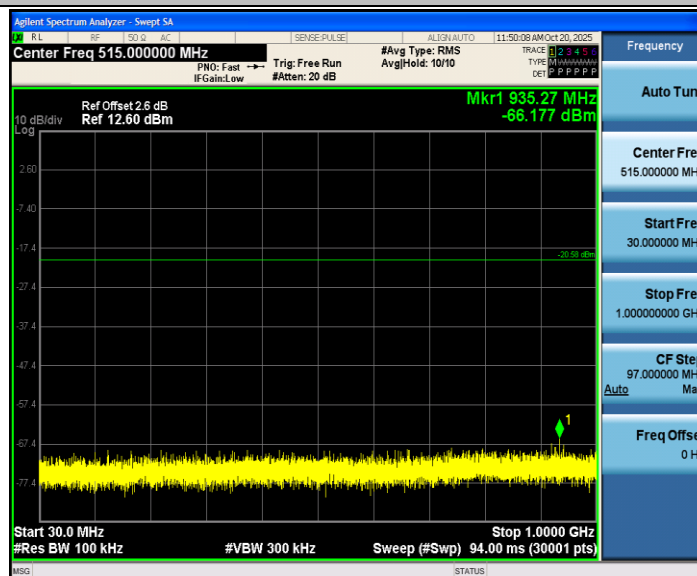




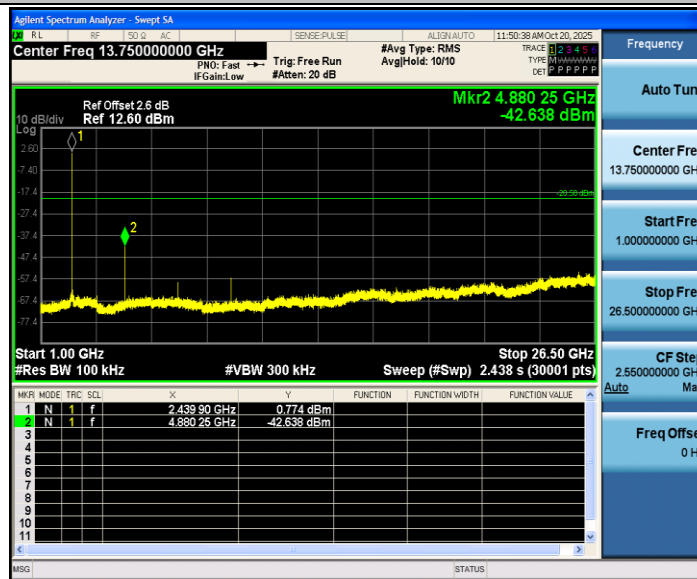
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



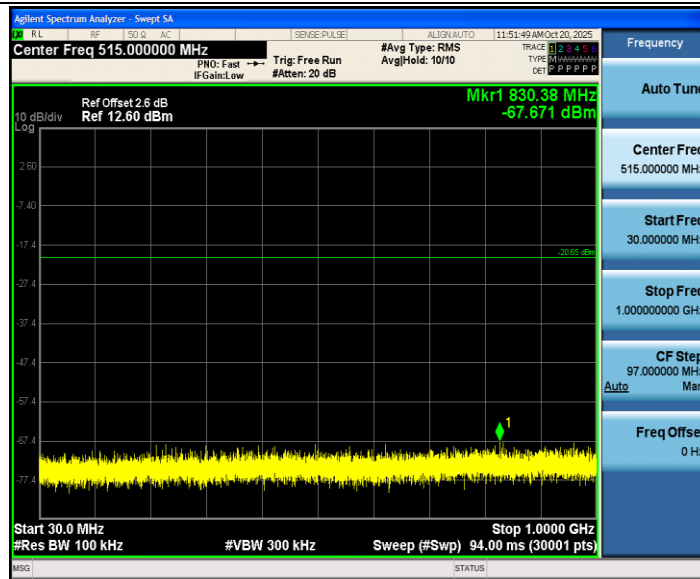
BLE_1M_Ant1_2440_1000~26500



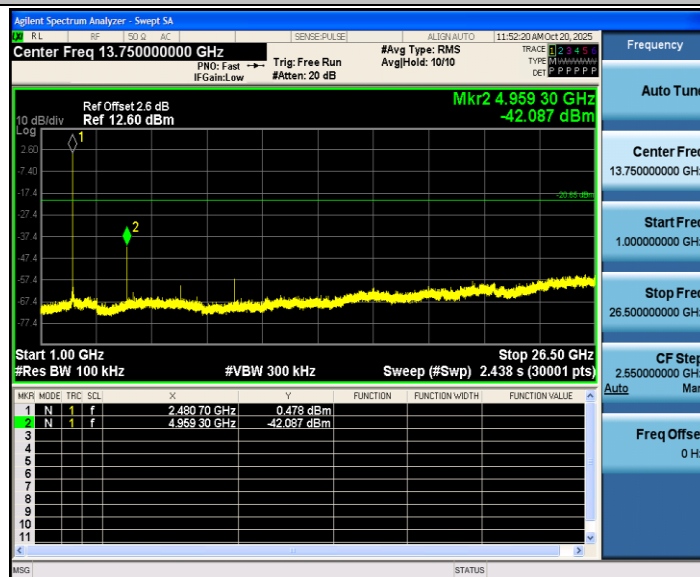
BLE_1M_Ant1_2480_0~Reference



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

