

FCC Appendix RF Test Data for BLE

FCC ID : 2BRYC-S2

Company : Shenzhen Hui World Technology Co., Ltd.

EUT : WiFi camera

Model Number : S2

Report No. : CTA25082901901

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	0.644	2401.664	2402.308	0.5	PASS
		2440	0.720	2439.624	2440.344	0.5	PASS
		2480	0.668	2479.648	2480.316	0.5	PASS

Test Graphs



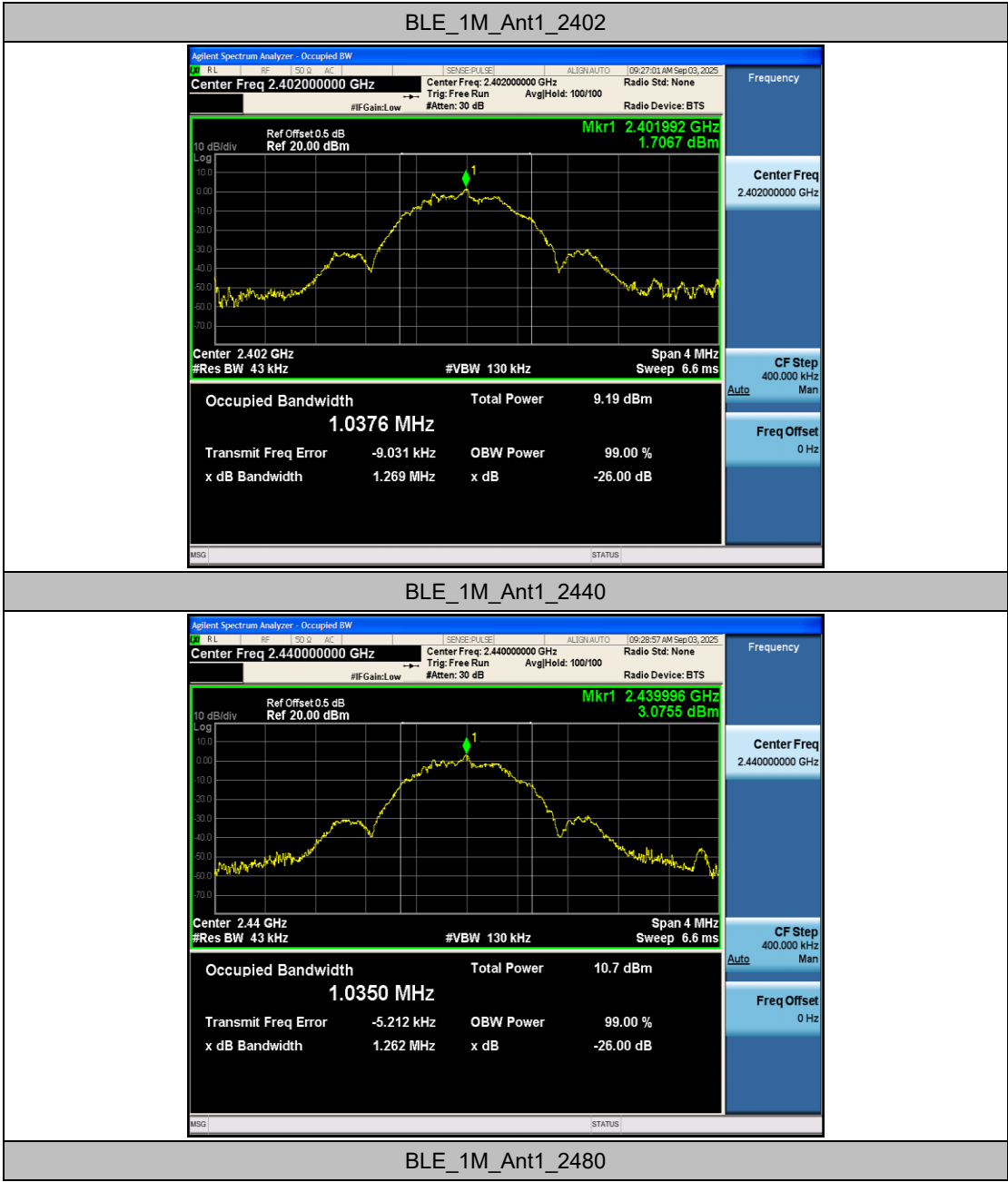


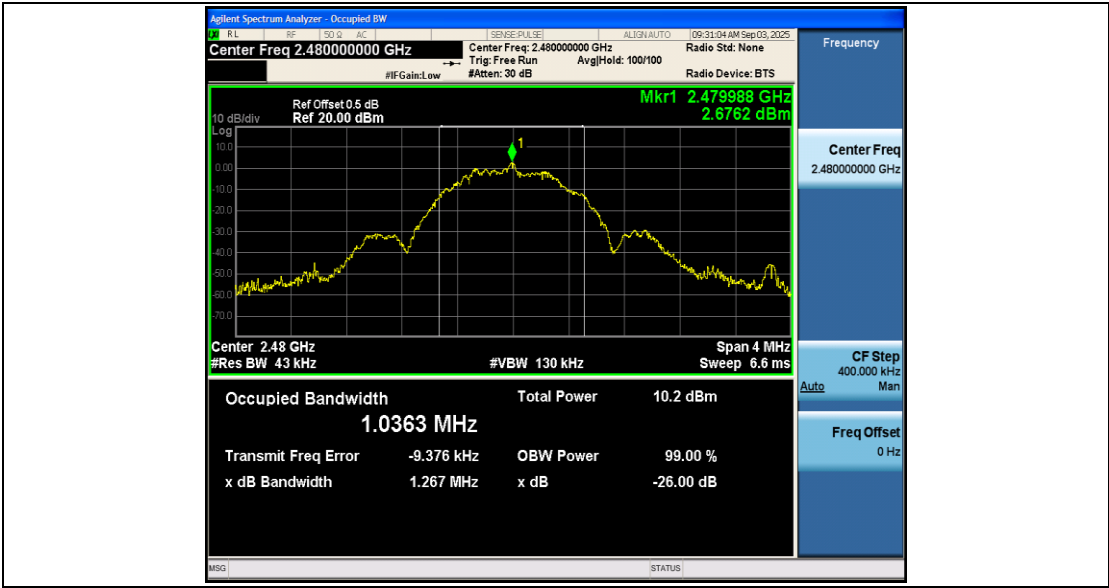
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0376	2401.4722	2402.5098	---	---
		2440	1.0350	2439.4773	2440.5123	---	---
		2480	1.0363	2479.4725	2480.5088	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

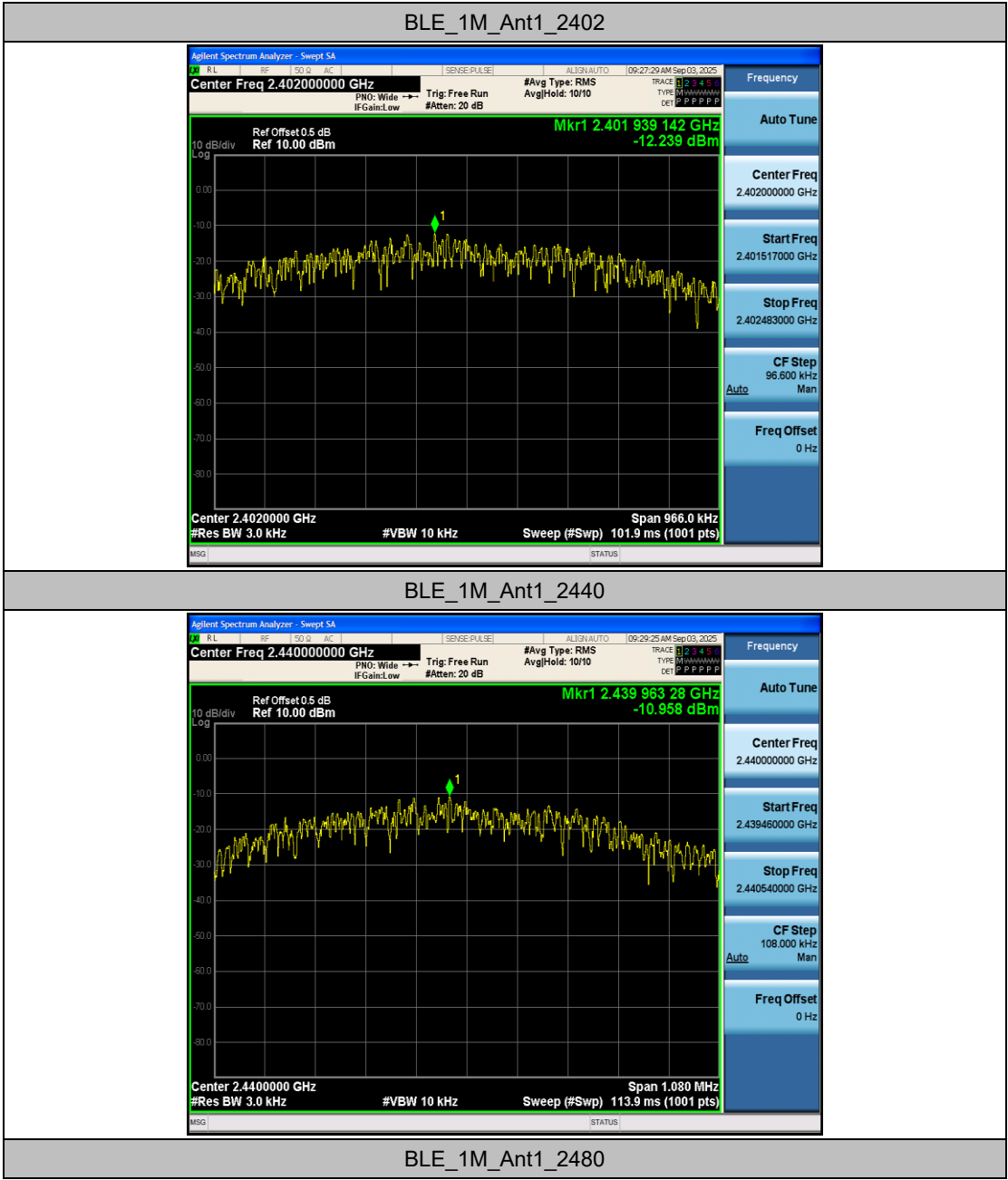
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.96	≤30	PASS
		2440	4.44	≤30	PASS
		2480	4.01	≤30	PASS

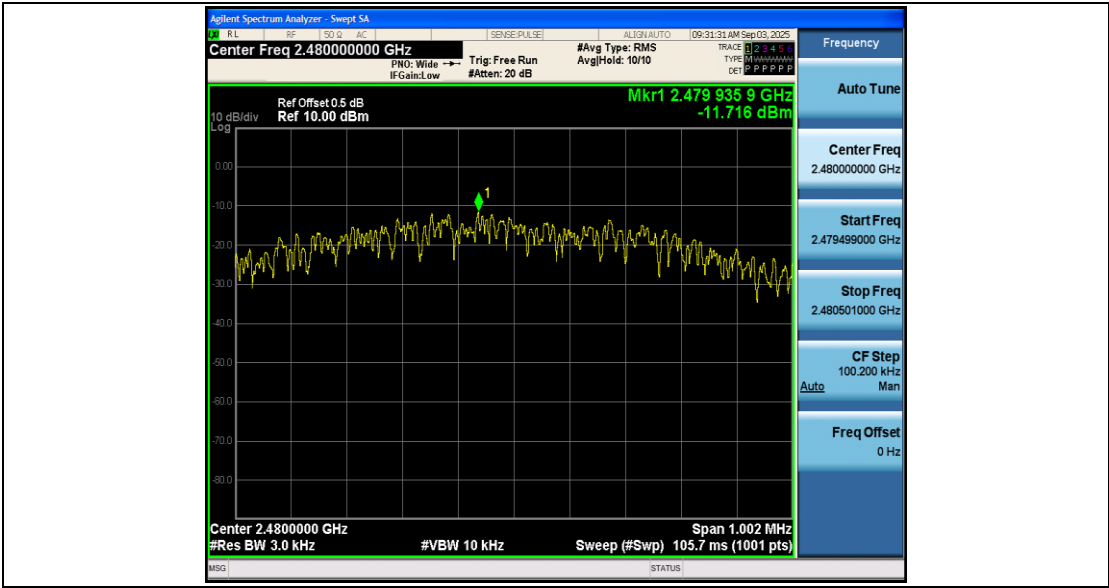
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.24	≤8.00	PASS
		2440	-10.96	≤8.00	PASS
		2480	-11.72	≤8.00	PASS

Test Graphs



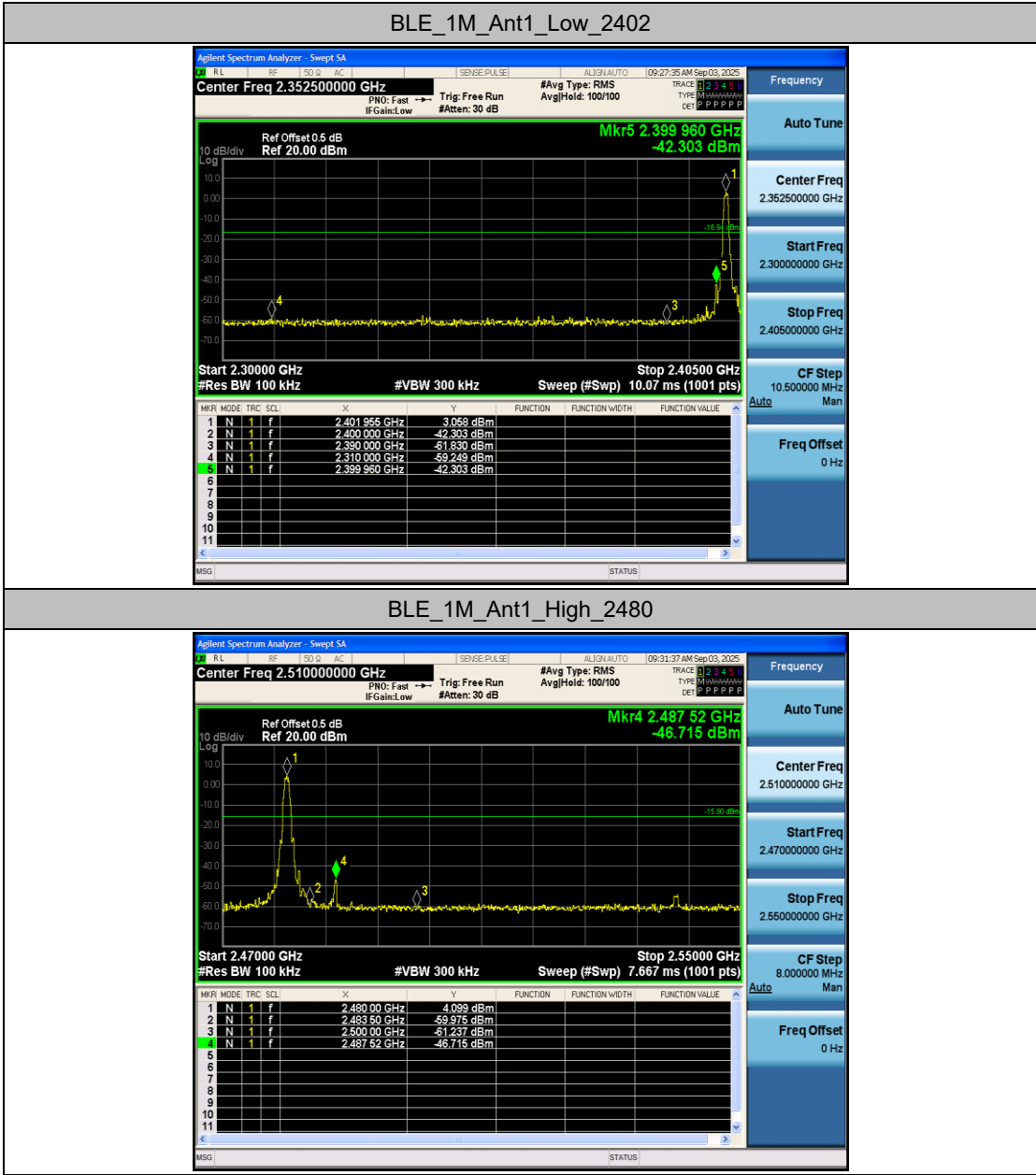


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	3.06	-42.3	≤-16.94	PASS
		High	2480	4.10	-46.72	≤-15.9	PASS

Test Graphs

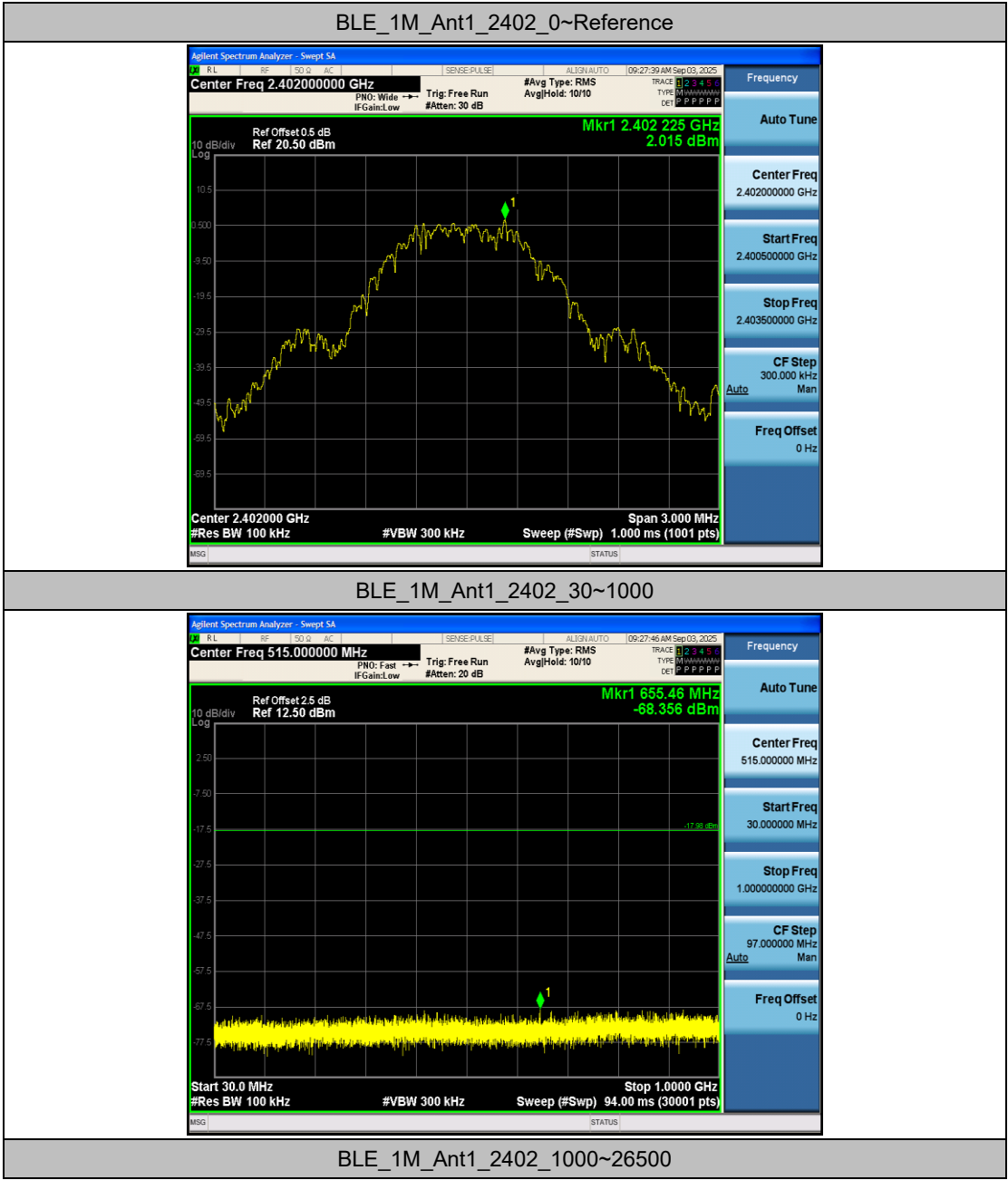


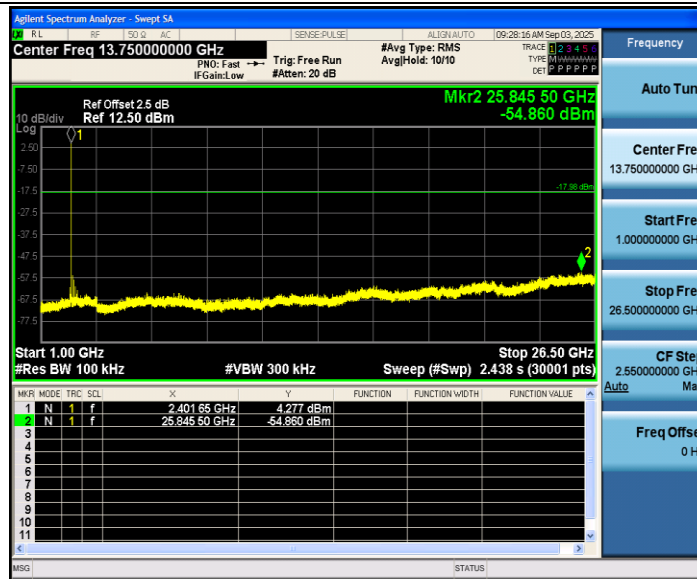
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.02	2.02	---	PASS
			30~1000	2.02	-68.36	≤-17.98	PASS
			1000~26500	2.02	-54.86	≤-17.98	PASS
		2440	Reference	3.47	3.47	---	PASS
			30~1000	3.47	-67.68	≤-16.53	PASS
			1000~26500	3.47	-53.68	≤-16.53	PASS
		2480	Reference	3.05	3.05	---	PASS
			30~1000	3.05	-68.01	≤-16.95	PASS
			1000~26500	3.05	-54.74	≤-16.95	PASS

Test Graphs

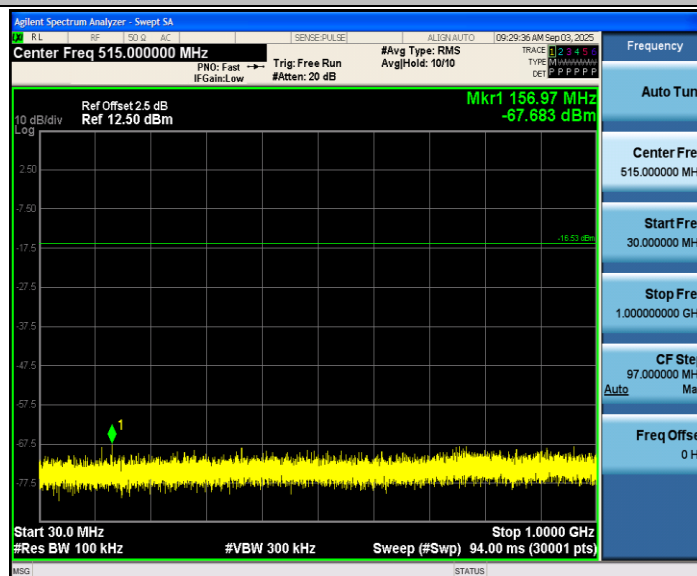




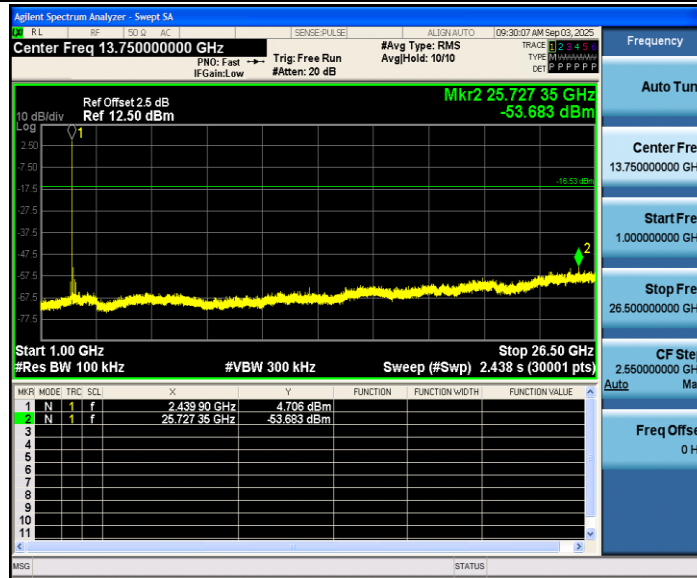
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



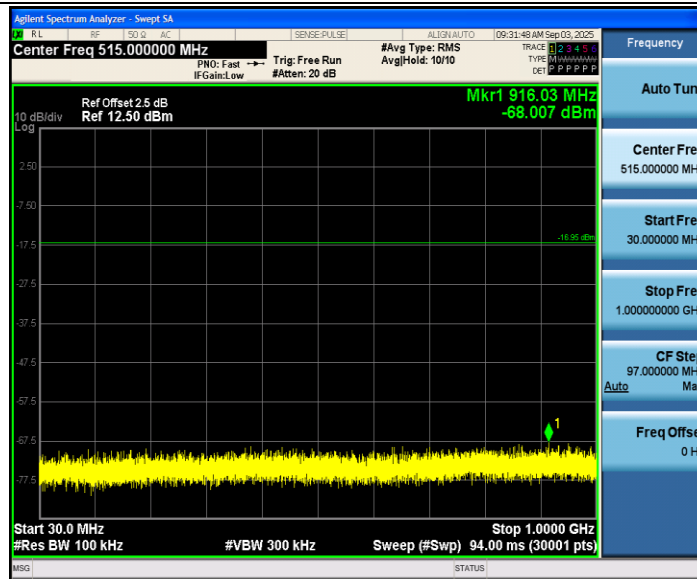
BLE_1M_Ant1_2440_1000~26500



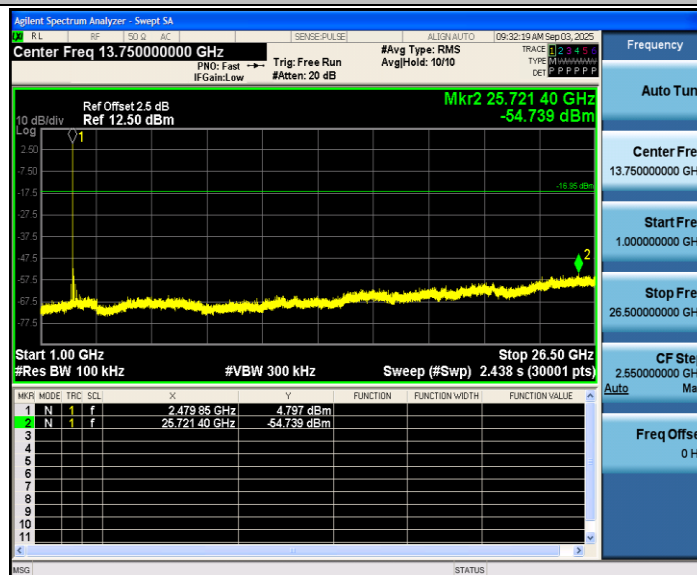
BLE_1M_Ant1_2480_0~Reference



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	0.39	0.62	0.6290	62.90	2.01	---	---
		2440	0.39	0.62	0.6290	62.90	2.01	---	---
		2480	0.39	0.62	0.6290	62.90	2.01	---	---

Test Graphs

