

FCC Appendix RF Test Data

FCC ID : 2BDLE-HT-10A

Company : Shenzhen HOTRC Technology Co., Ltd

EUT : 2.4G radio remote control

Model Number : HT-10A

Report No. : CTA25052301901

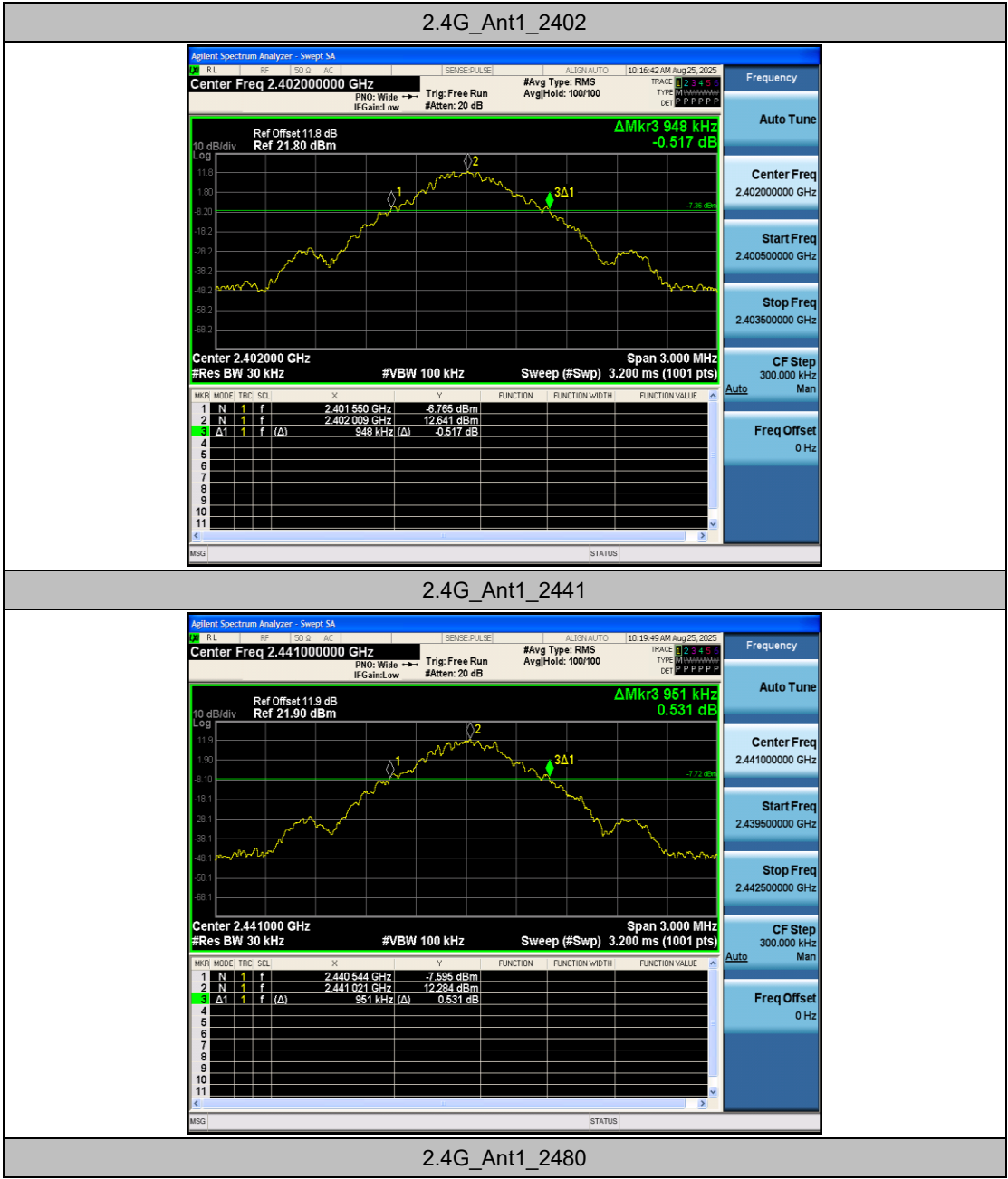
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.948	2401.550	2402.498	---	---
		2441	0.951	2440.544	2441.495	---	---
		2480	0.963	2479.541	2480.504	---	---

Test Graphs



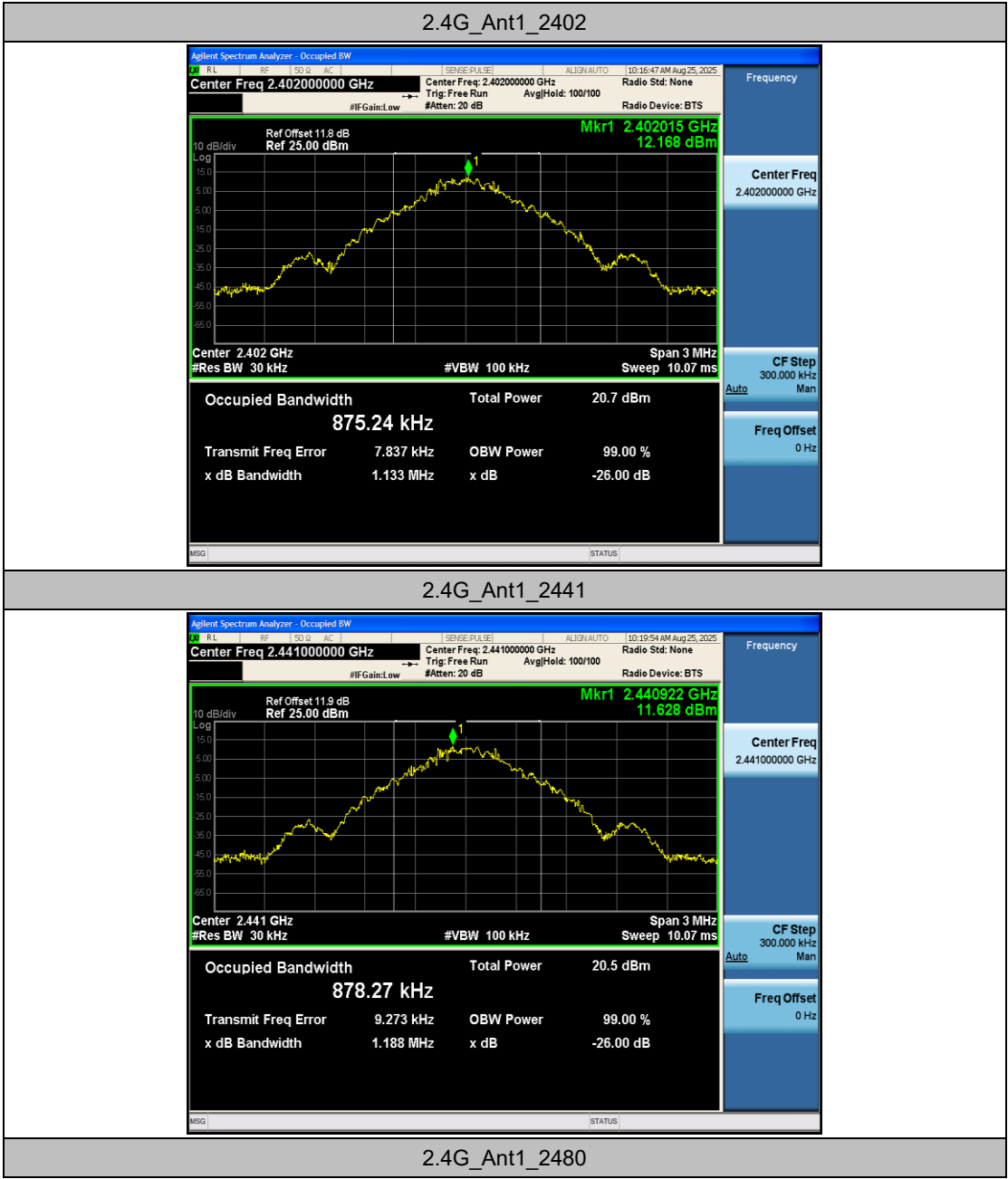


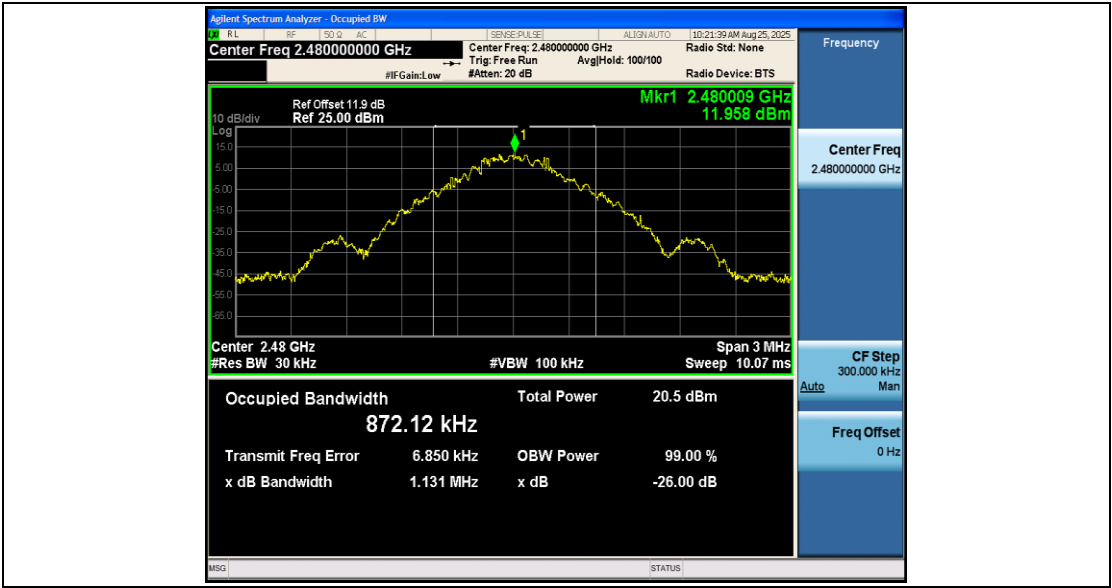
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.87524	2401.5702	2402.4455	---	---
		2441	0.87827	2440.5701	2441.4484	---	---
		2480	0.87212	2479.5708	2480.4429	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

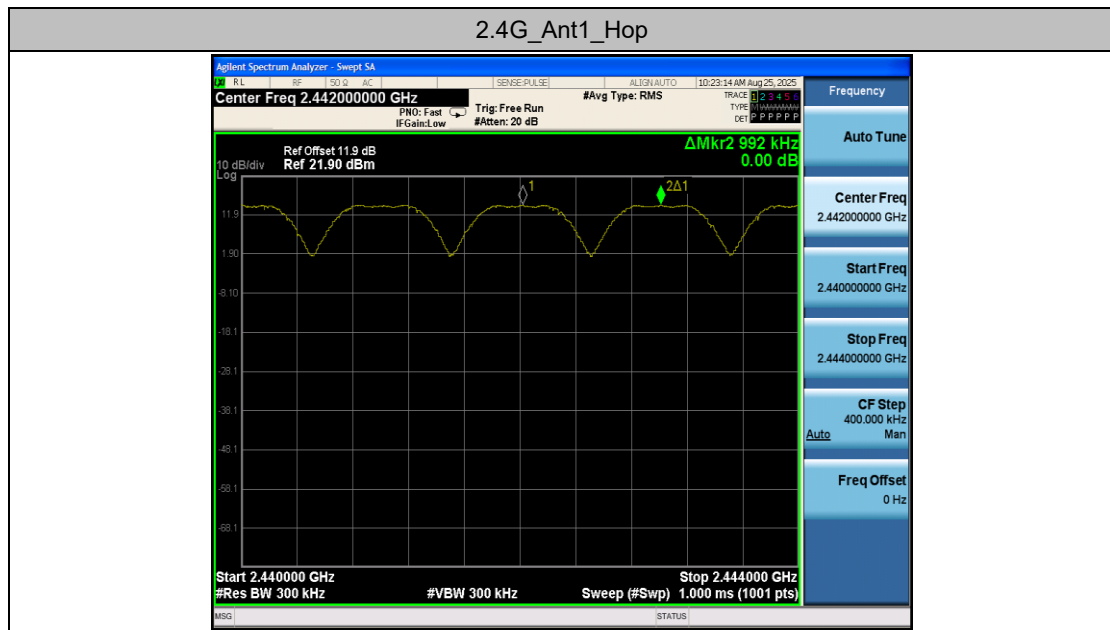
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	14.76	≤20.97	PASS
		2441	14.57	≤20.97	PASS
		2480	14.49	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	0.992	≥ 0.963	PASS

Test Graphs



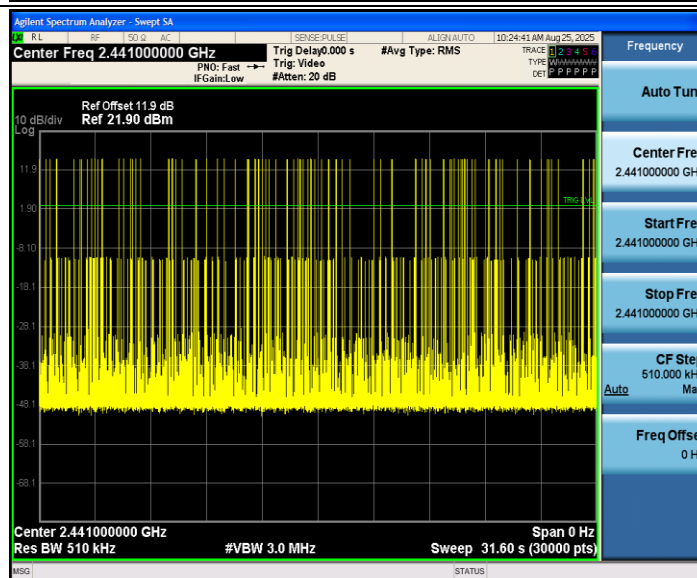
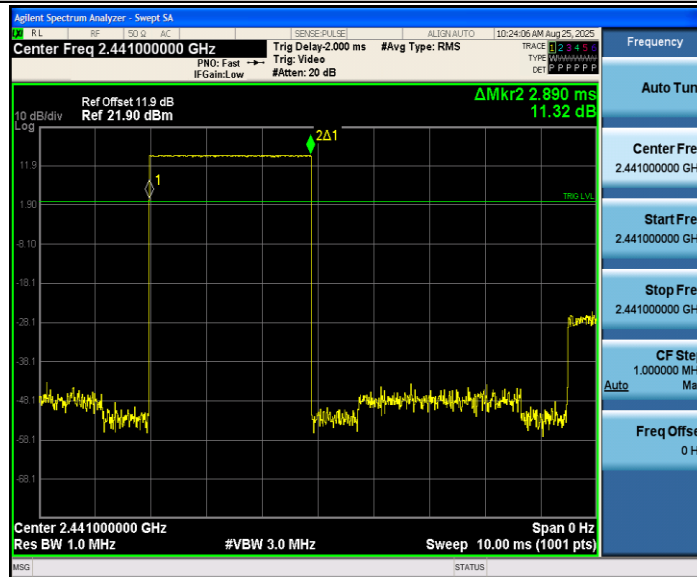
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	2.890	98	0.283	≤0.4	PASS

Test Graphs

2.4G_Ant1_Hop

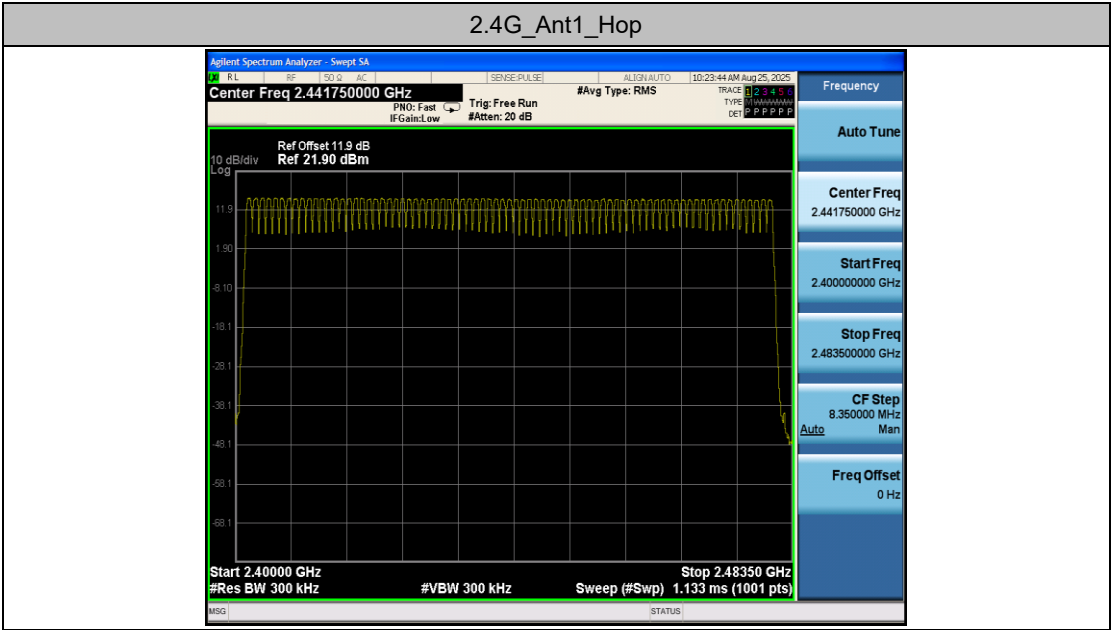


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	79	≥15	PASS

Test Graphs

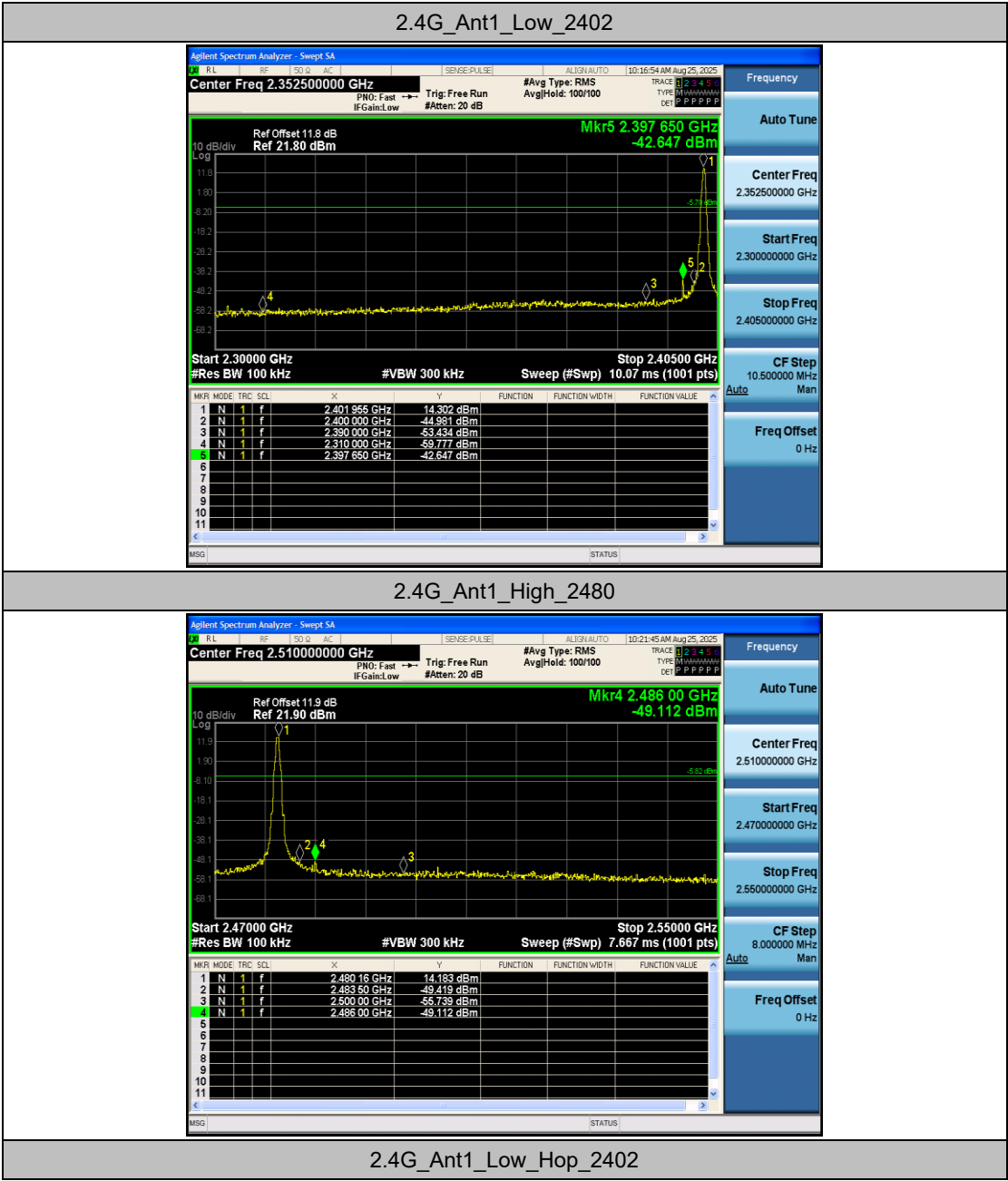


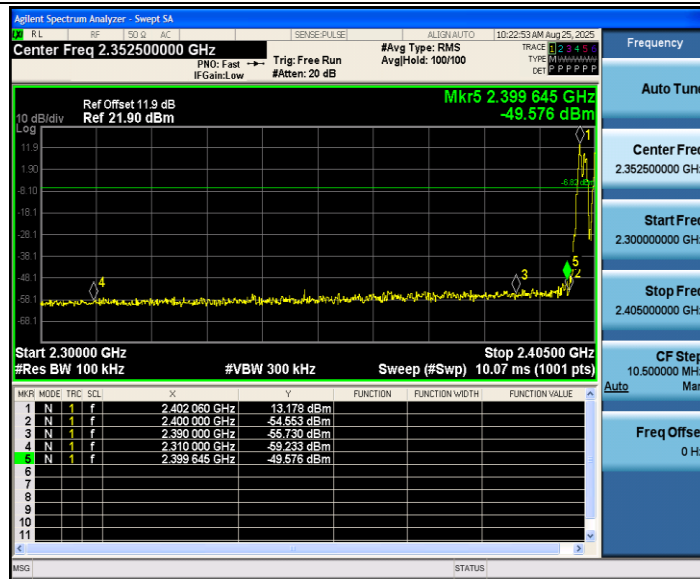
Appendix G: Band edge measurements

Test Result

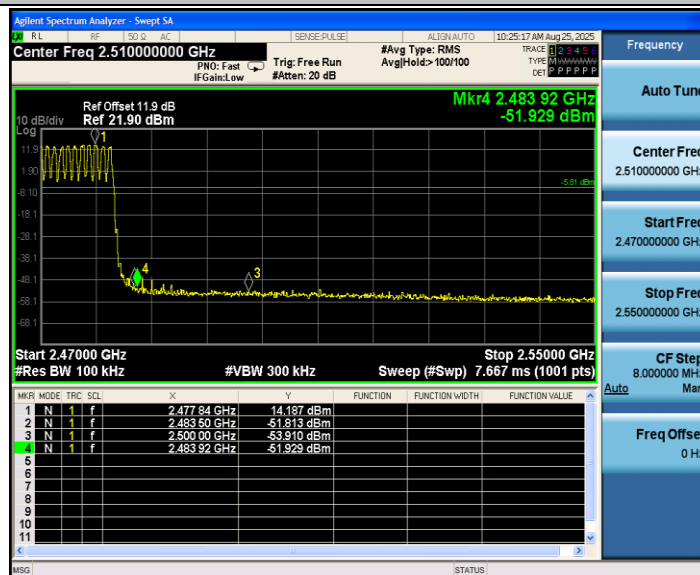
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	14.30	-42.65	≤-5.7	PASS
		High	2480	14.18	-49.11	≤-5.82	PASS
		Low	Hop_2402	13.18	-49.58	≤-6.82	PASS
		High	Hop_2480	14.19	-51.93	≤-5.81	PASS

Test Graphs





2.4G_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

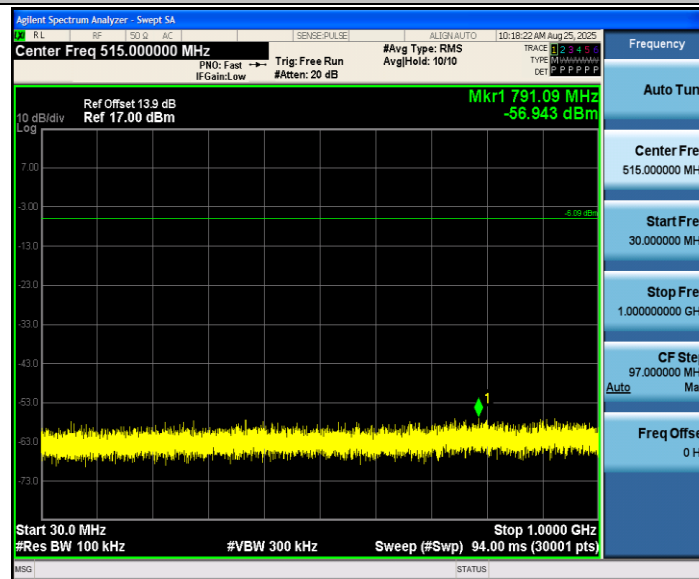
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	Reference	13.91	13.91	---	PASS
			30~1000	13.91	-56.94	≤-6.09	PASS
			1000~26500	13.91	-27.92	≤-6.09	PASS
		2441	Reference	14.44	14.44	---	PASS
			30~1000	14.44	-56.55	≤-5.56	PASS
			1000~26500	14.44	-28.43	≤-5.56	PASS
		2480	Reference	13.51	13.51	---	PASS
			30~1000	13.51	-55.69	≤-6.49	PASS
			1000~26500	13.51	-30.21	≤-6.49	PASS

Test Graphs

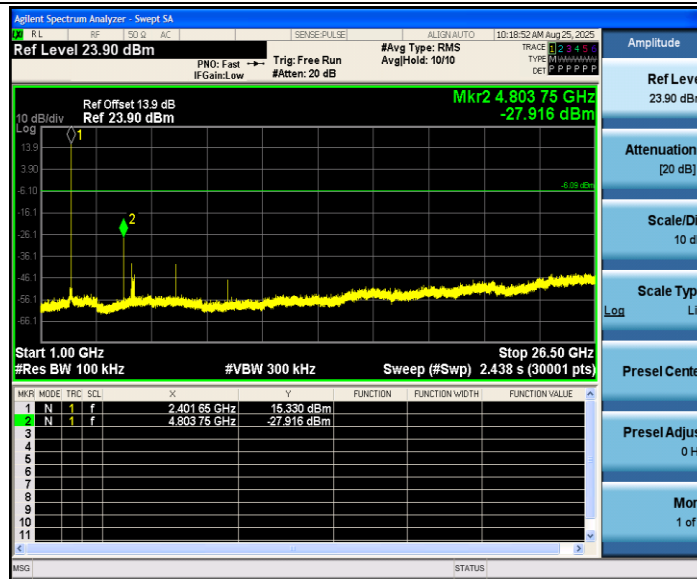
2.4G_Ant1_2402_0~Reference



2.4G_Ant1_2402_30~1000



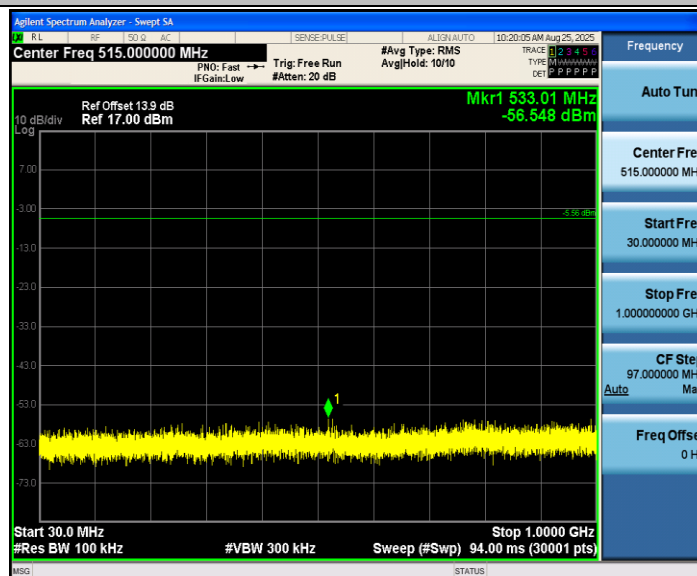
2.4G_Ant1_2402_1000~26500



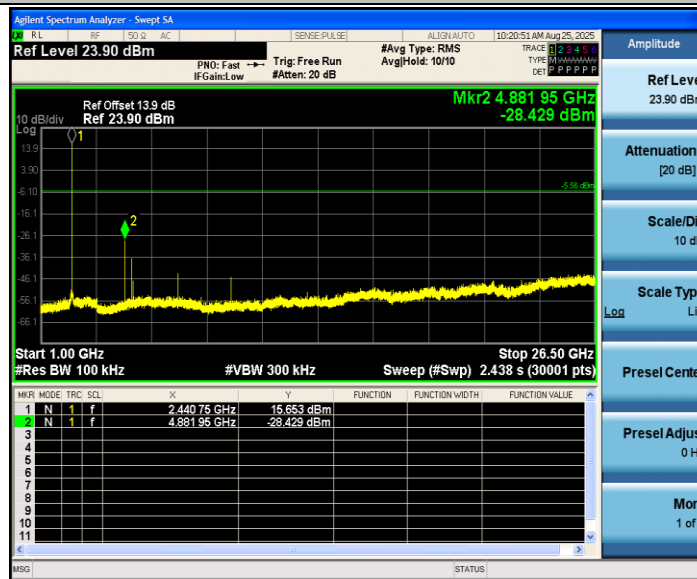
2.4G_Ant1_2441_0~Reference



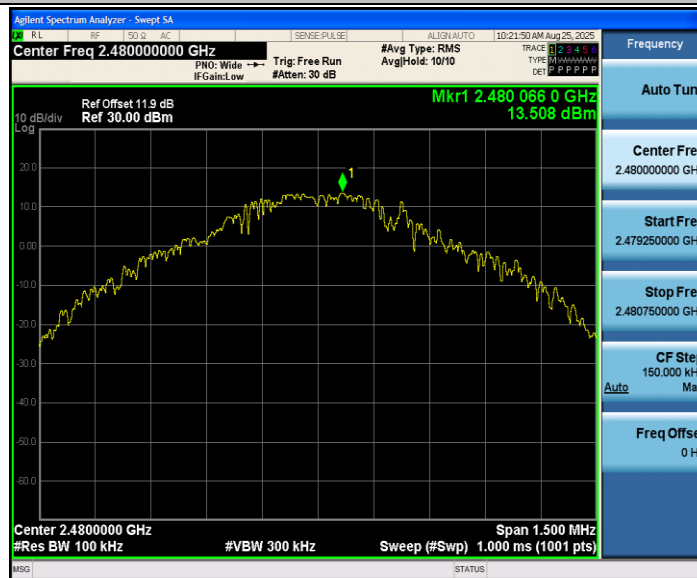
2.4G_Ant1_2441_30~1000



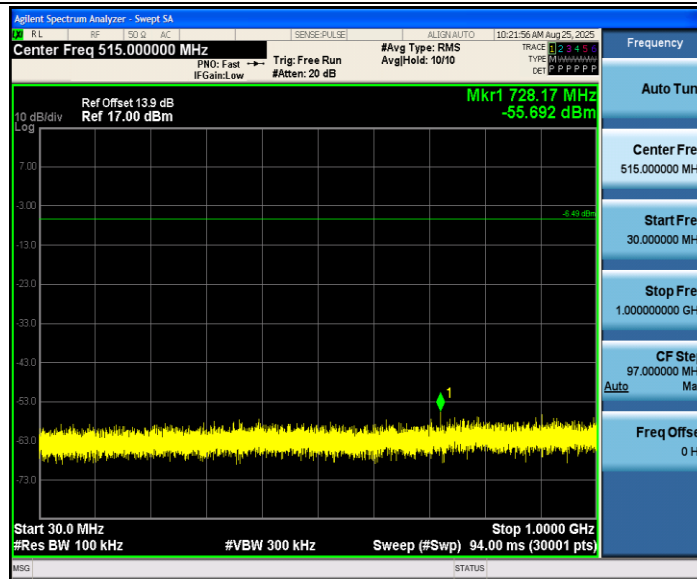
2.4G_Ant1_2441_1000~26500



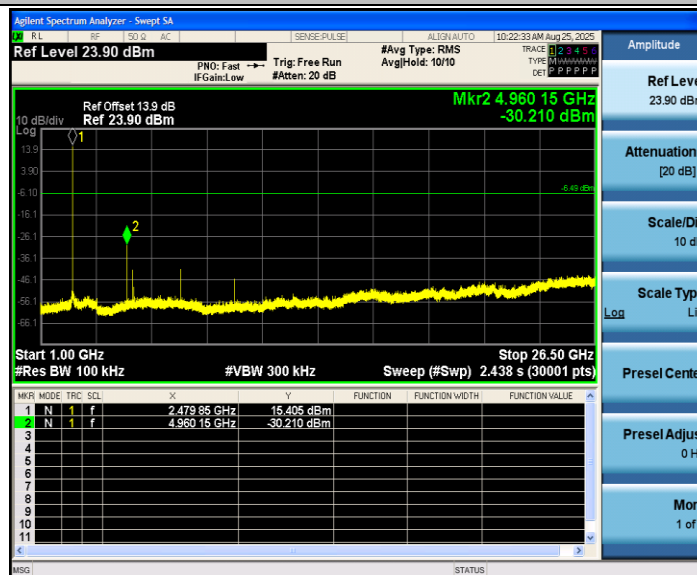
2.4G_Ant1_2480_0~Reference



2.4G_Ant1_2480_30~1000



2.4G_Ant1_2480_1000~26500



Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
2.4G	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.91	3.75	77.60	1.10	---	---

Test Graphs

