

Appendix RF Test Data for 2.4G

FCC ID : 2BDLE-CT-6C

Company : Shenzhen HOTRC Technology Co., Ltd

EUT : 2.4G radio remote control

Model Number : CT-6C

Report No. : CTA25052300701

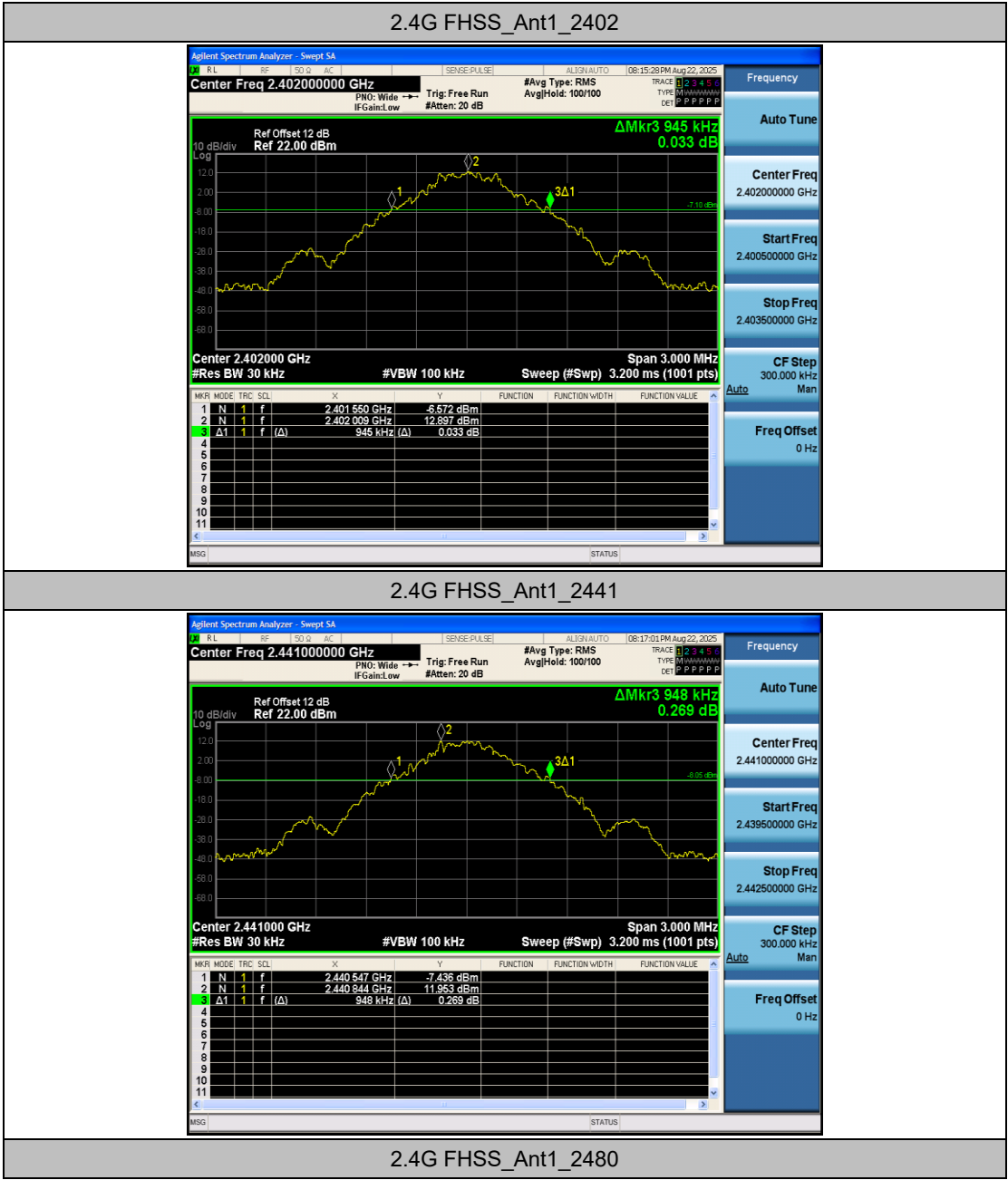
Reviewed By : Eric Wang

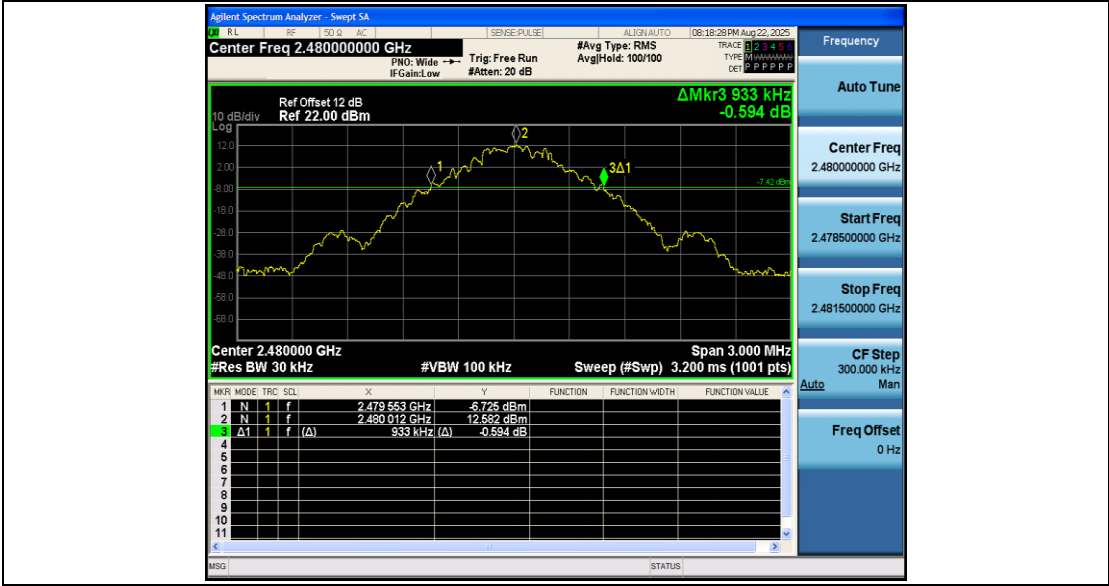
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G FHSS	Ant1	2402	0.945	2401.550	2402.495	---	---
		2441	0.948	2440.547	2441.495	---	---
		2480	0.933	2479.553	2480.486	---	---

Test Graphs



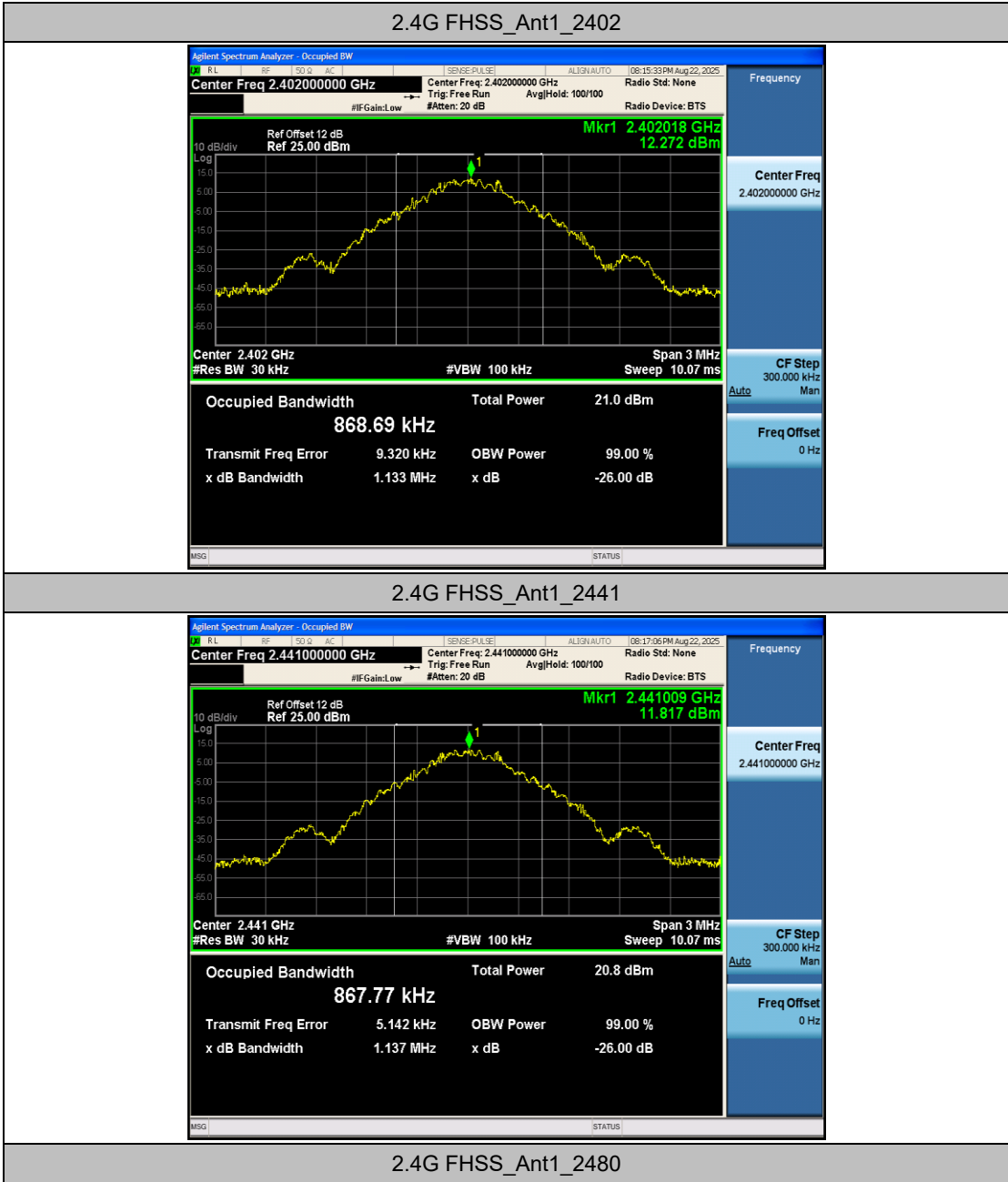


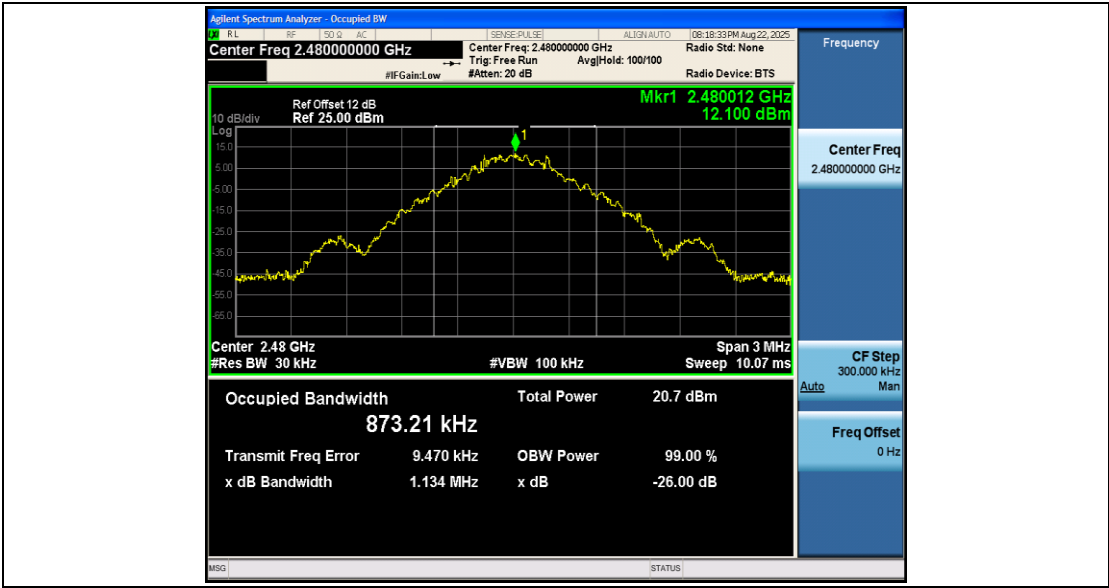
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G FHSS	Ant1	2402	0.86869	2401.5750	2402.4437	---	---
		2441	0.86777	2440.5713	2441.4390	---	---
		2480	0.87321	2479.5729	2480.4461	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

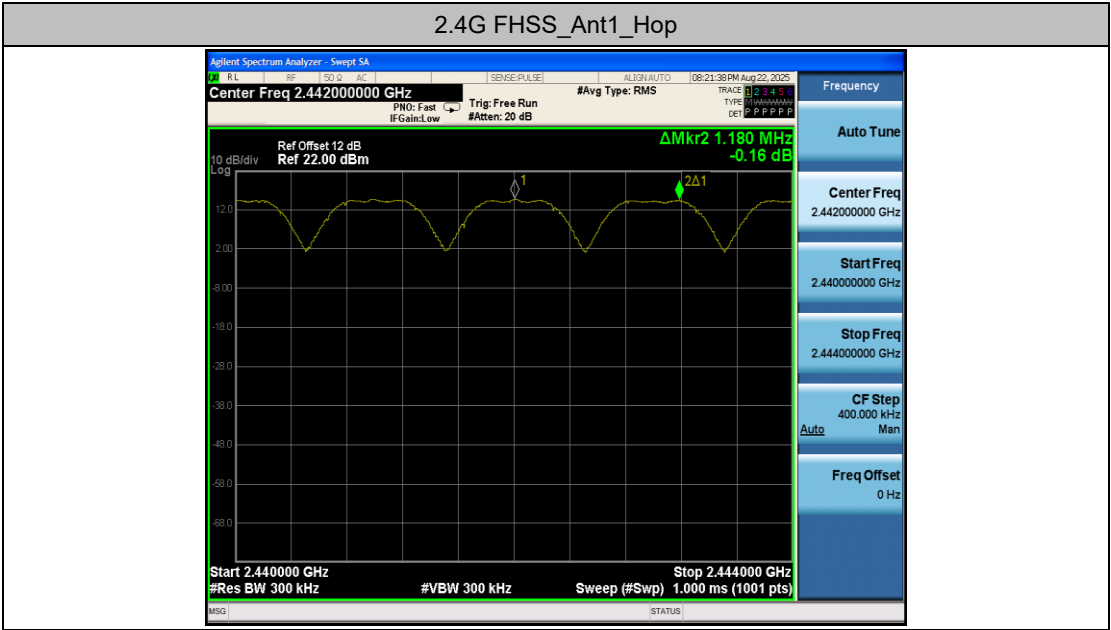
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G FHSS	Ant1	2402	14.94	≤20.97	PASS
		2441	14.67	≤20.97	PASS
		2480	14.61	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
2.4G FHSS	Ant1	Hop	1.18	≥ 0.948	PASS

Test Graphs



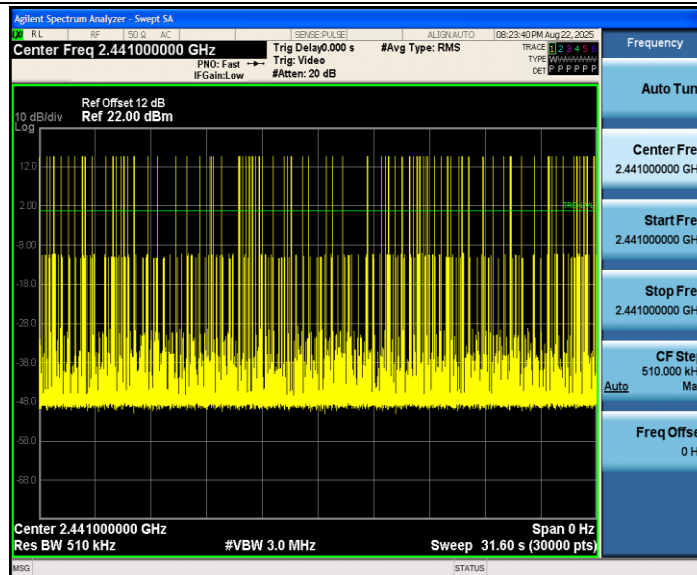
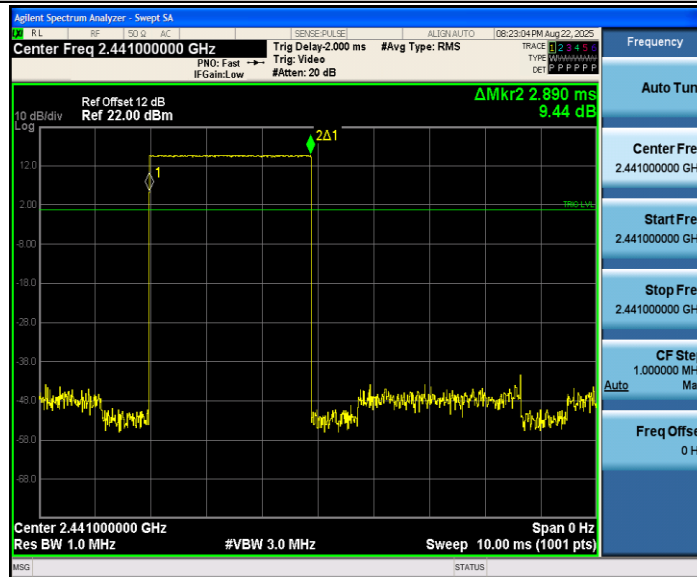
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G FHSS	Ant1	Hop	2.890	103	0.298	≤0.4	PASS

Test Graphs

2.4G FHSS_Ant1_Hop

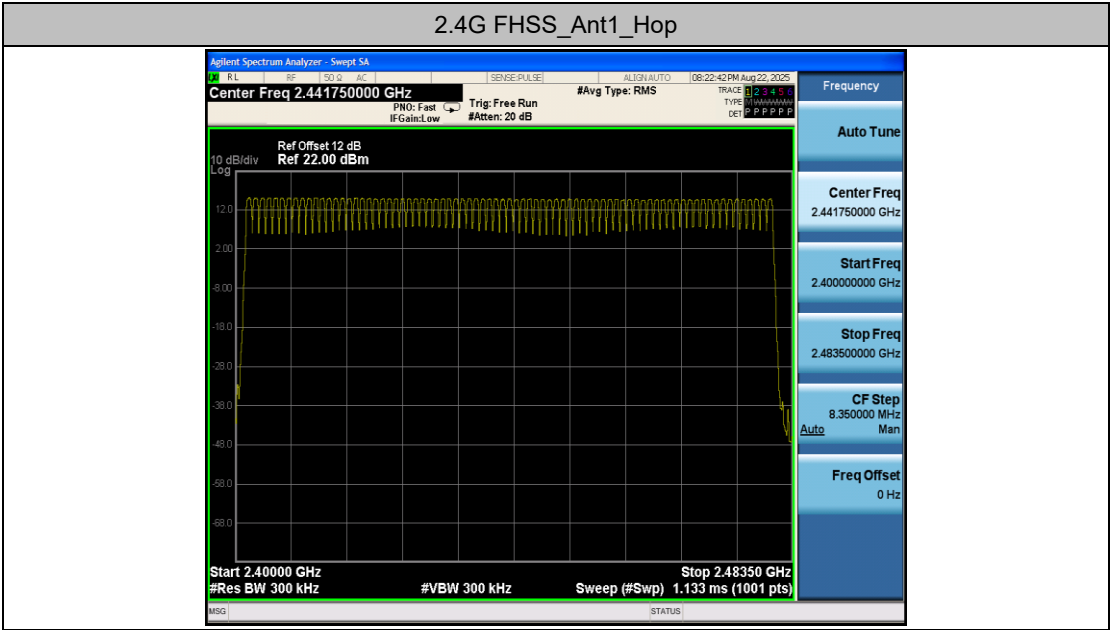


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

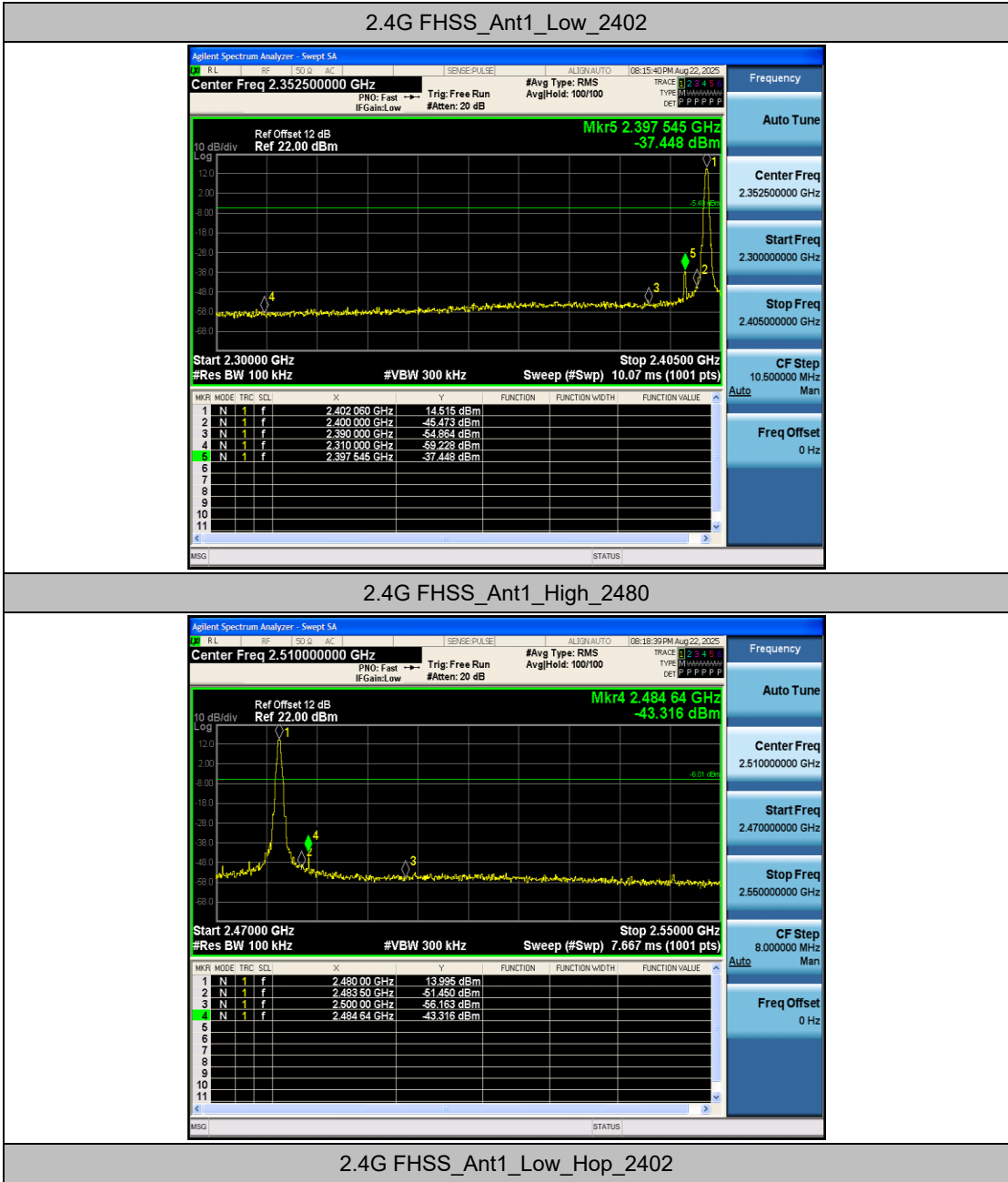


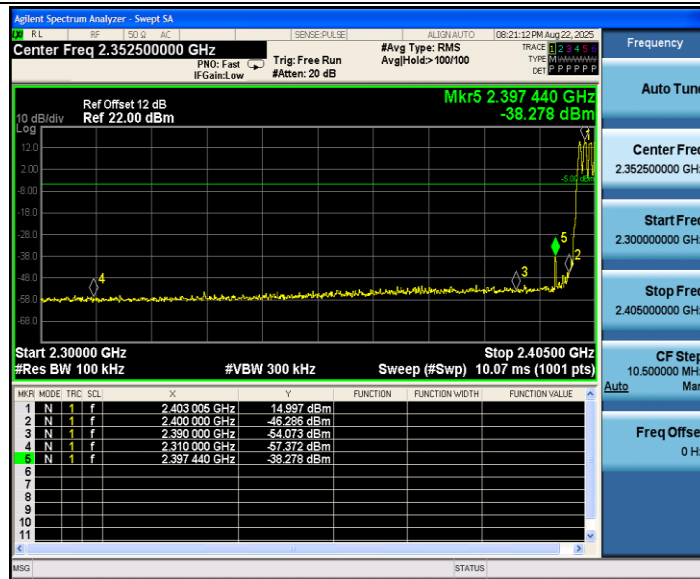
Appendix G: Band edge measurements

Test Result

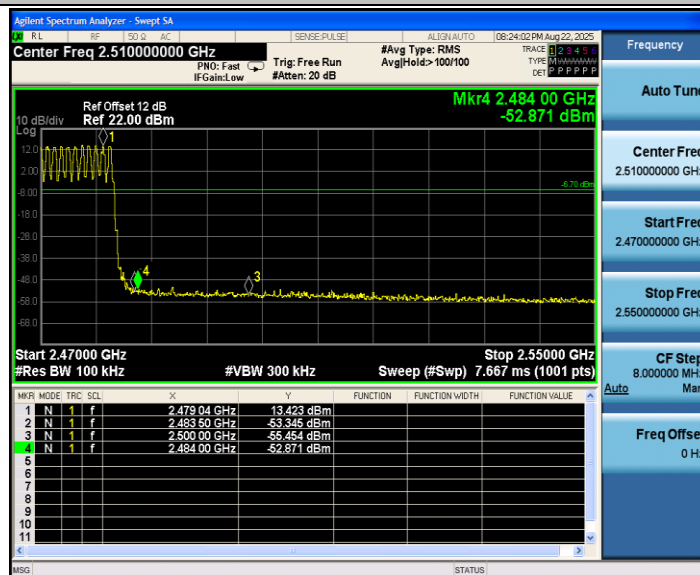
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G FHSS	Ant1	Low	2402	14.52	-37.45	≤-5.49	PASS
		High	2480	14.00	-43.32	≤-6.01	PASS
		Low	Hop_2402	15.00	-38.28	≤-5	PASS
		High	Hop_2480	13.30	-52.87	≤-6.7	PASS

Test Graphs





2.4G FHSS_Ant1_High_Hop_2480

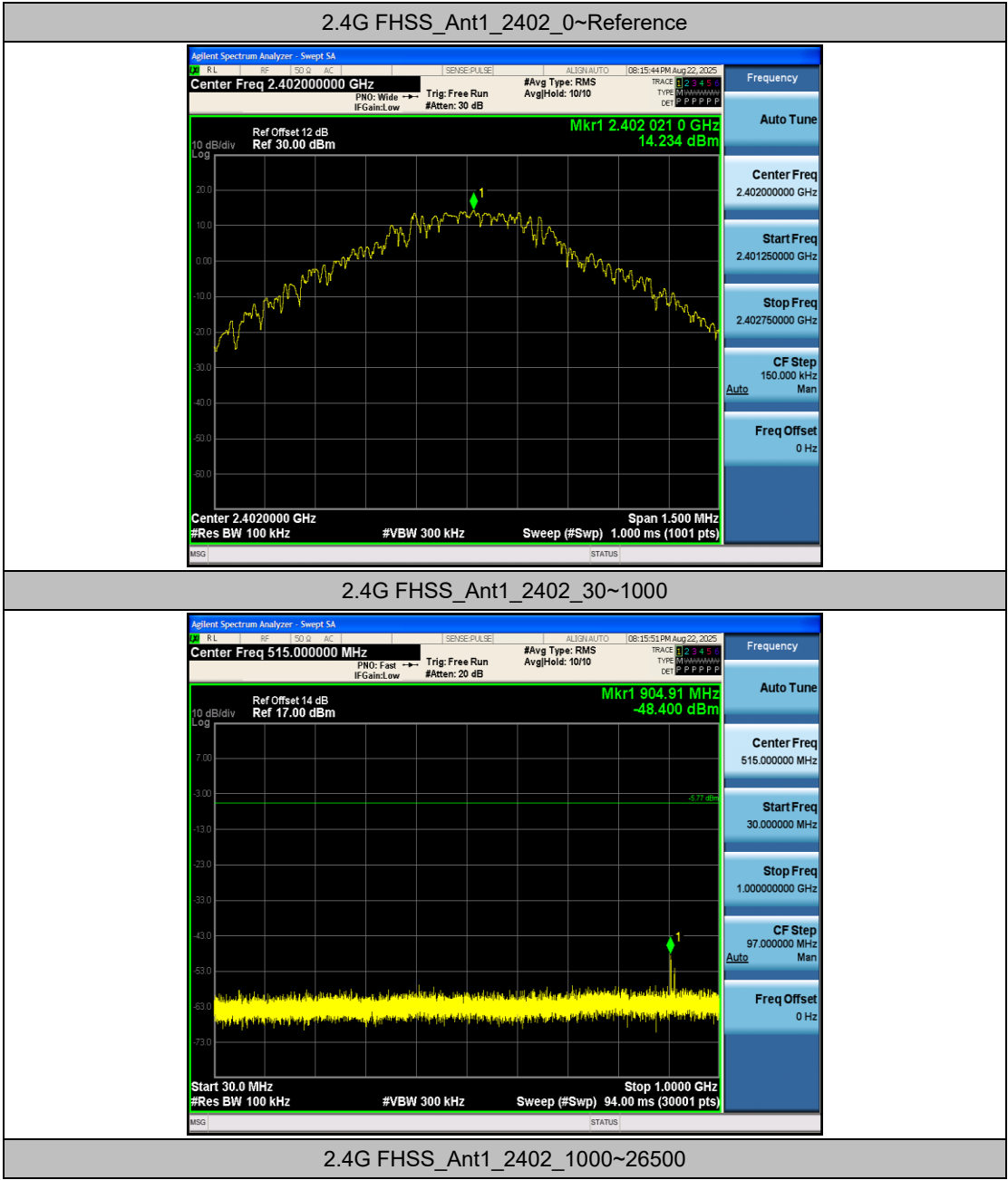


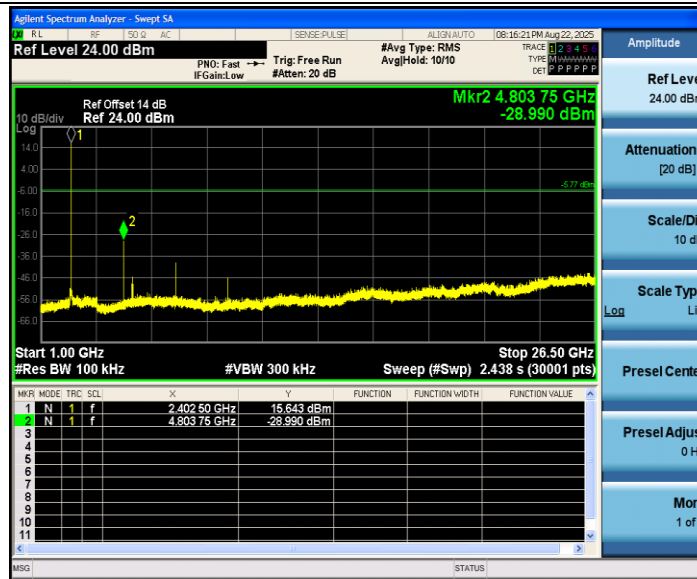
Appendix H: Conducted Spurious Emission

Test Result

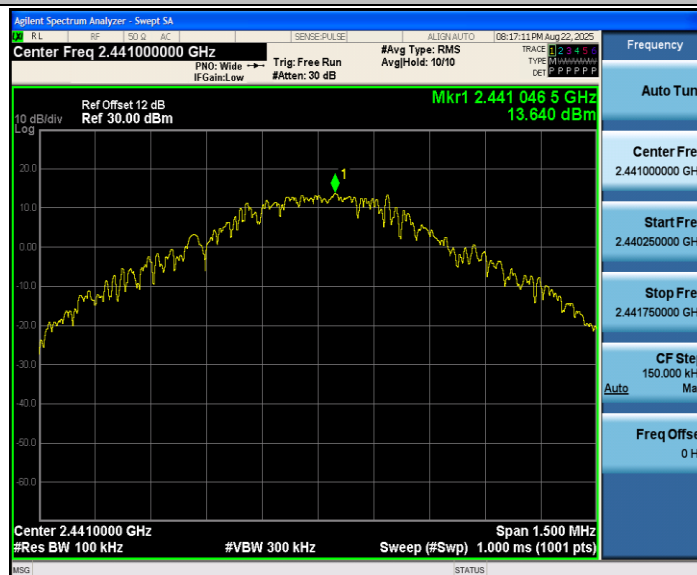
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G FHSS	Ant1	2402	Reference	14.23	14.23	---	PASS
			30~1000	14.23	-48.4	≤ -5.77	PASS
			1000~26500	14.23	-28.99	≤ -5.77	PASS
		2441	Reference	13.64	13.64	---	PASS
			30~1000	13.64	-40.82	≤ -6.36	PASS
			1000~26500	13.64	-28.4	≤ -6.36	PASS
		2480	Reference	13.50	13.50	---	PASS
			30~1000	13.50	-56.39	≤ -6.5	PASS
			1000~26500	13.50	-27.83	≤ -6.5	PASS

Test Graphs

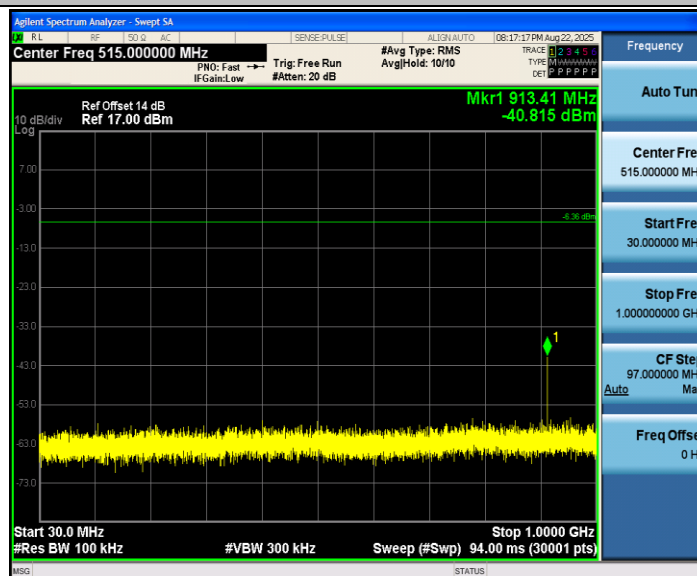




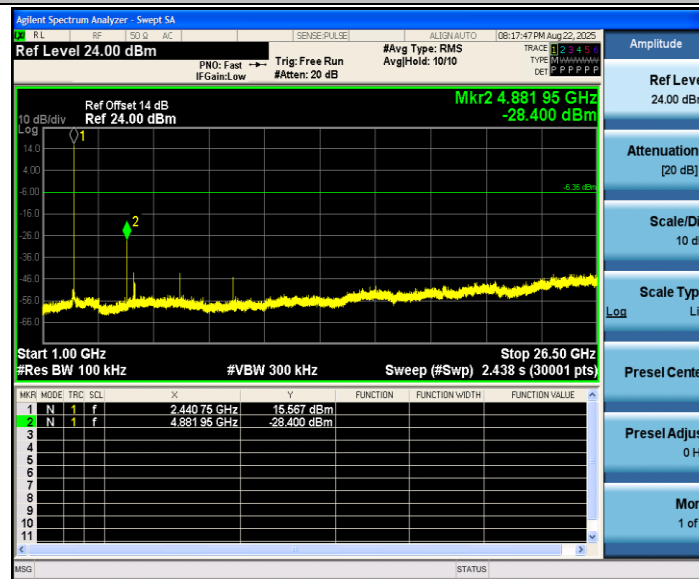
2.4G FHSS_Ant1_2441_0~Reference



2.4G FHSS_Ant1_2441_30~1000



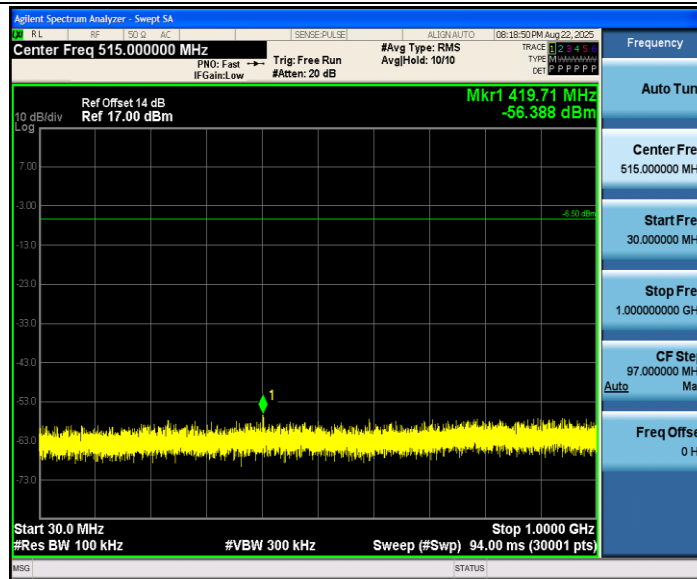
2.4G FHSS_Ant1_2441_1000~26500



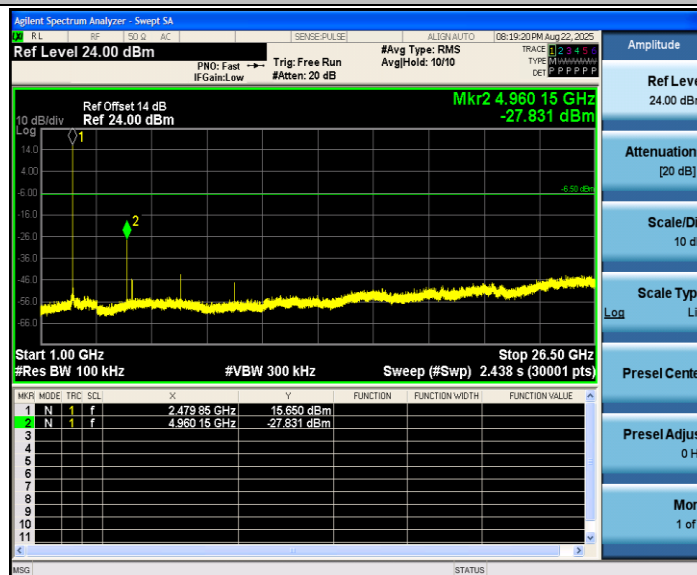
2.4G FHSS_Ant1_2480_0~Reference



2.4G FHSS_Ant1_2480_30~1000



2.4G FHSS_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 FHSS	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



