

FCC Appendix RF Test Data for BT

FCC ID : 2AJU8-RG476H

**Company : Shenzhen Yangliming Electronic Technology Co.,
Ltd.**

EUT : Handheld Game Console

Model Number : RG 476H

Report No. : CTA25093000401

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
DH5	Ant1	2402	0.939	2401.550	2402.489	---	---
		2441	0.951	2440.550	2441.501	---	---
		2480	0.954	2479.550	2480.504	---	---
2DH5	Ant1	2402	1.320	2401.346	2402.666	---	---
		2441	1.281	2440.379	2441.660	---	---
		2480	1.281	2479.379	2480.660	---	---
3DH5	Ant1	2402	1.317	2401.352	2402.669	---	---
		2441	1.278	2440.382	2441.660	---	---
		2480	1.308	2479.355	2480.663	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



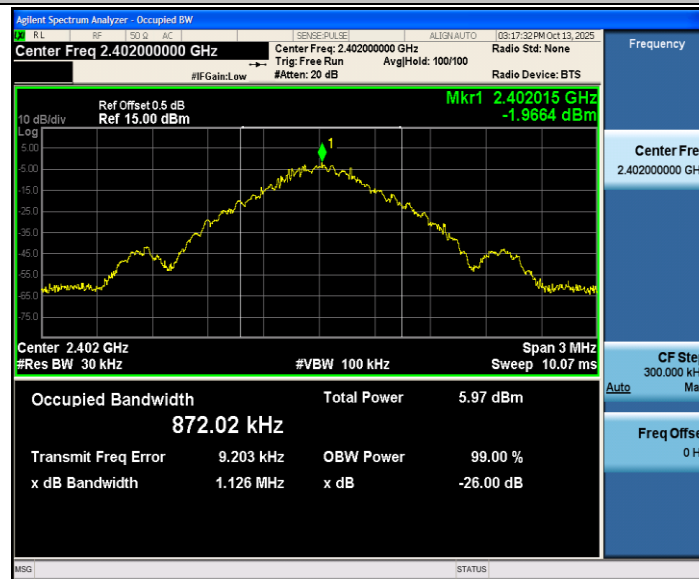
Appendix B: Occupied Channel Bandwidth

Test Result

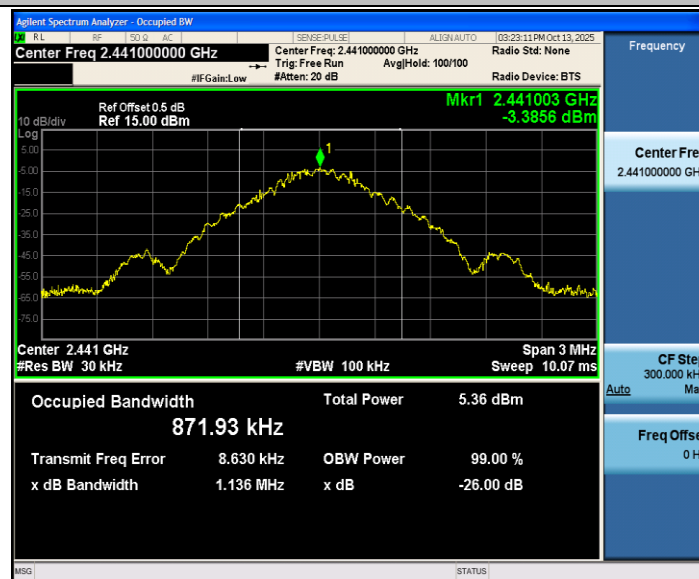
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87202	2401.5732	2402.4452	---	---
		2441	0.87193	2440.5727	2441.4446	---	---
		2480	0.87121	2479.5734	2480.4446	---	---
2DH5	Ant1	2402	1.1957	2401.4136	2402.6093	---	---
		2441	1.1852	2440.4189	2441.6041	---	---
		2480	1.1910	2479.4173	2480.6083	---	---
3DH5	Ant1	2402	1.1896	2401.4151	2402.6047	---	---
		2441	1.1879	2440.4173	2441.6052	---	---
		2480	1.1757	2479.4204	2480.5961	---	---

Test Graphs

DH5_Ant1_2402



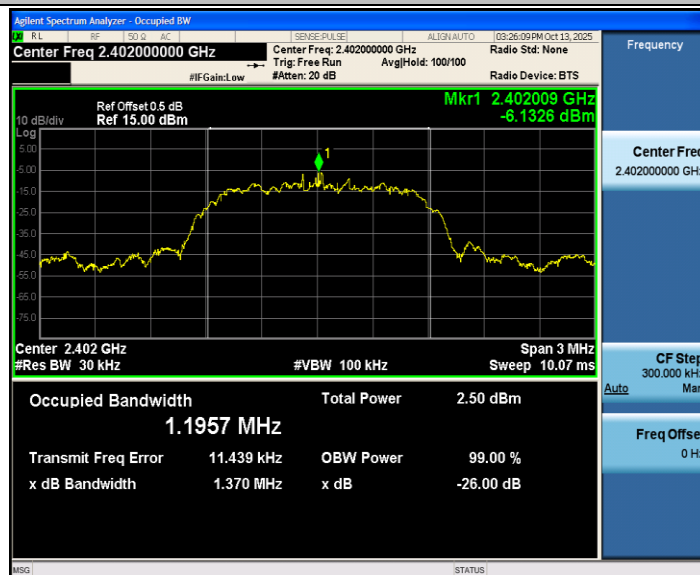
DH5_Ant1_2441



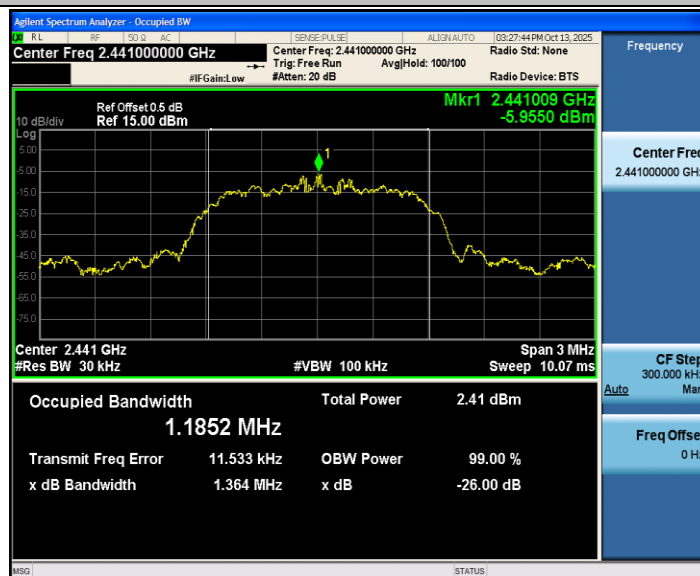
DH5_Ant1_2480



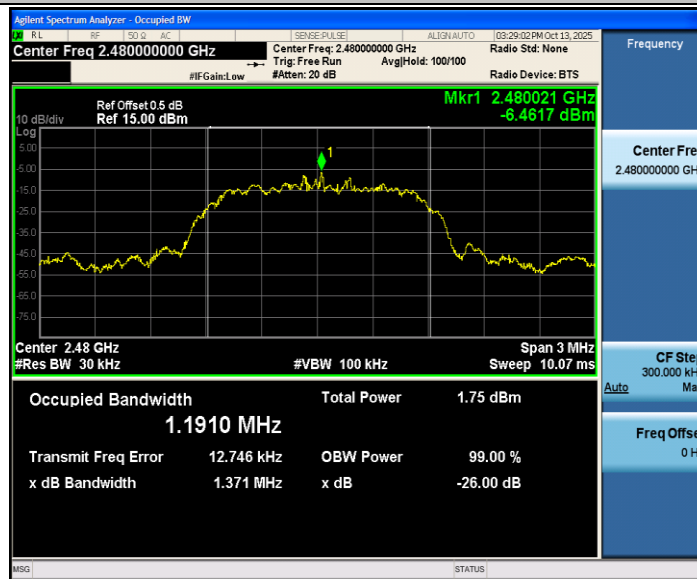
2DH5_Ant1_2402



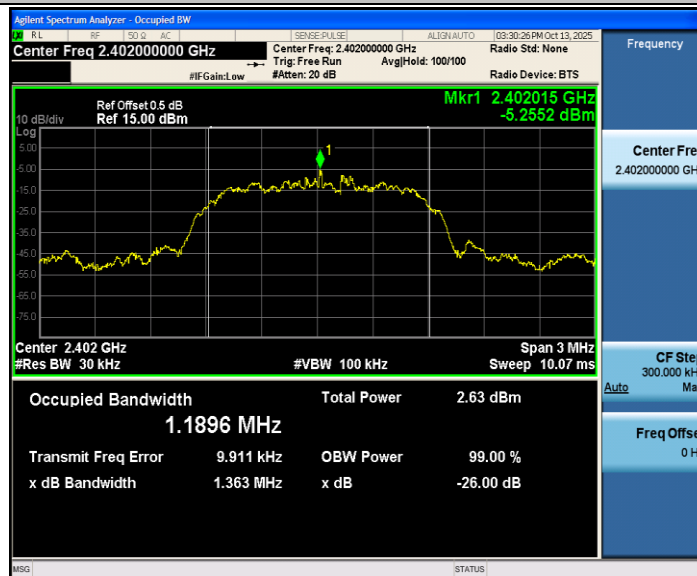
2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.13	≤20.97	PASS
		2441	-0.48	≤20.97	PASS
		2480	-0.84	≤20.97	PASS
2DH5	Ant1	2402	-0.74	≤20.97	PASS
		2441	-1.27	≤20.97	PASS
		2480	-1.63	≤20.97	PASS
3DH5	Ant1	2402	-0.69	≤20.97	PASS
		2441	-1.26	≤20.97	PASS
		2480	-1.61	≤20.97	PASS

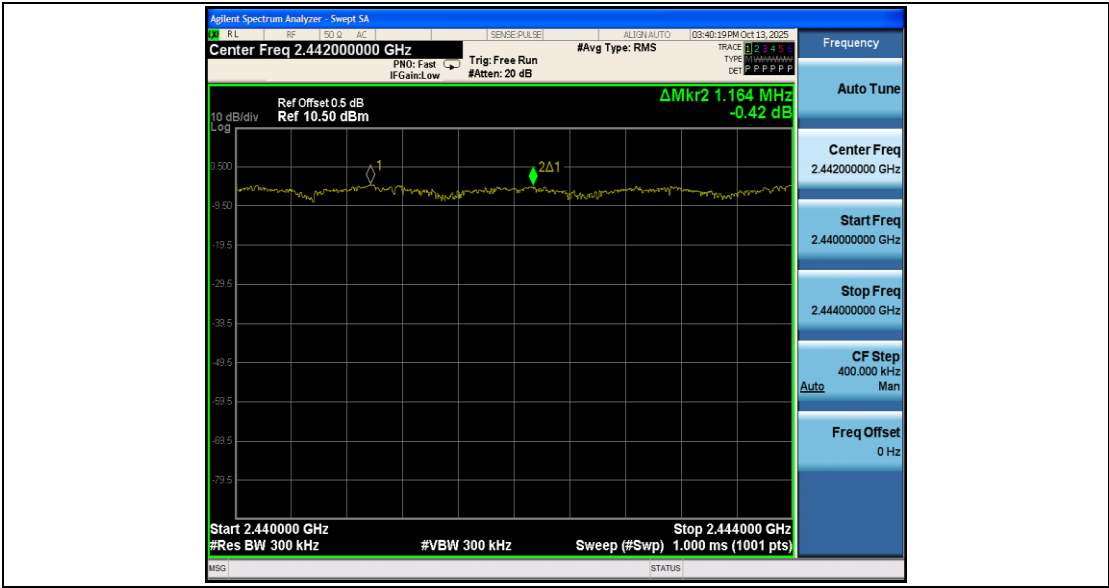
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.052	≥ 0.954	PASS
2DH5	Ant1	Hop	1.144	≥ 0.880	PASS
3DH5	Ant1	Hop	1.164	≥ 0.878	PASS

Test Graphs



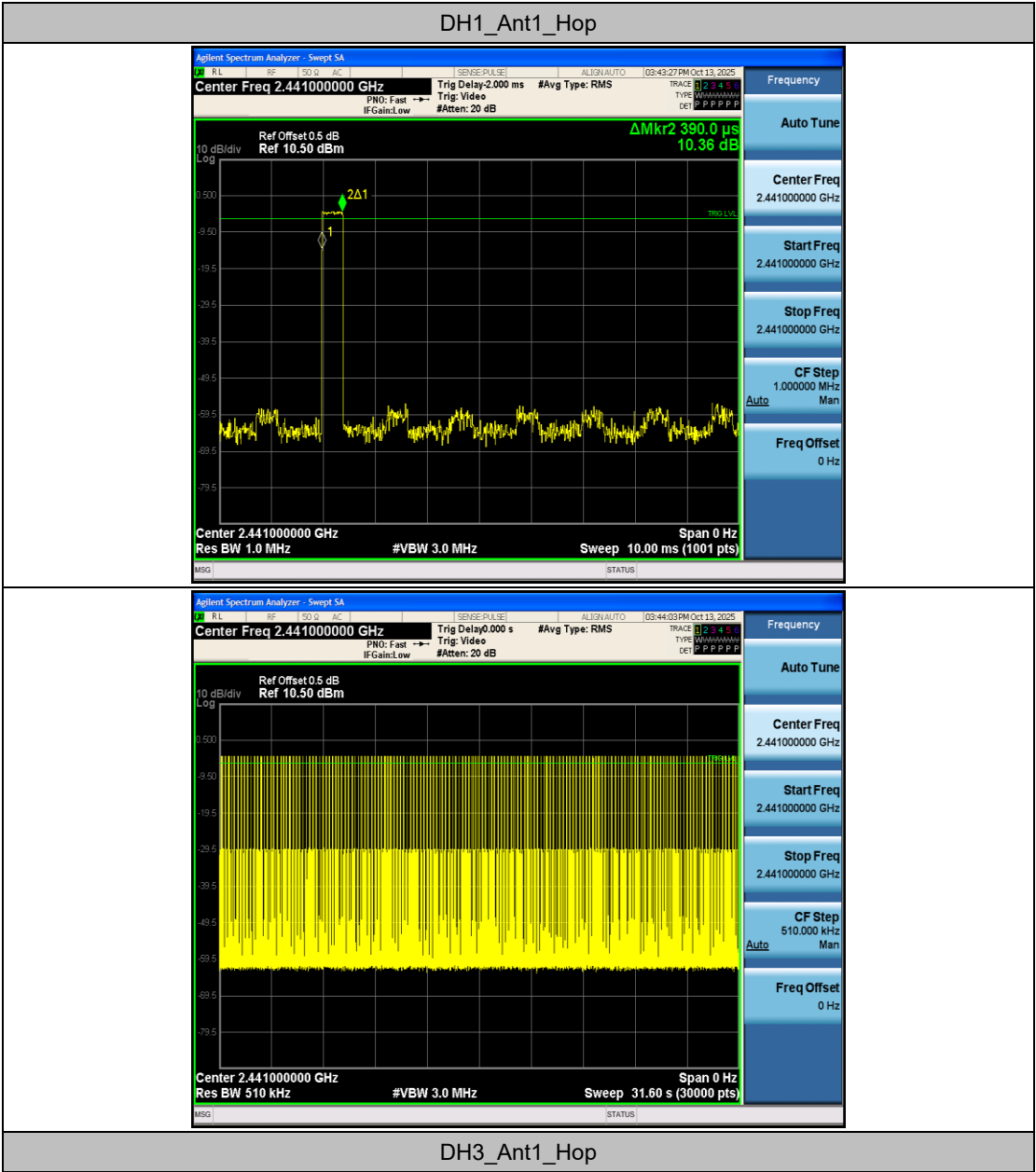


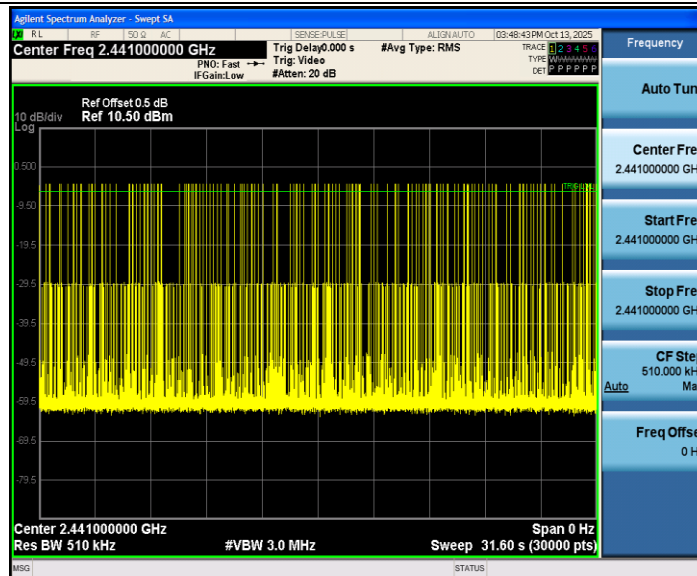
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	317	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.650	154	0.254	≤0.4	PASS
DH5	Ant1	Hop	2.890	97	0.28	≤0.4	PASS
2DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.640	155	0.254	≤0.4	PASS
2DH5	Ant1	Hop	2.890	114	0.329	≤0.4	PASS
3DH1	Ant1	Hop	0.390	315	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.640	156	0.256	≤0.4	PASS
3DH5	Ant1	Hop	2.900	104	0.302	≤0.4	PASS

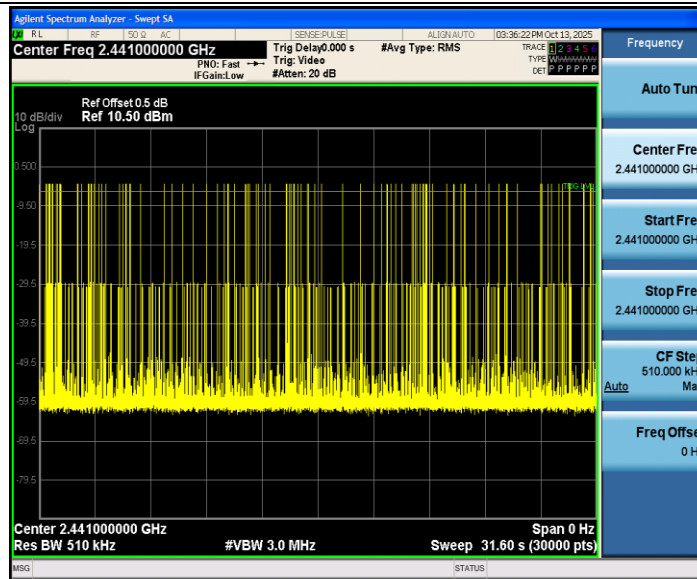
Test Graphs



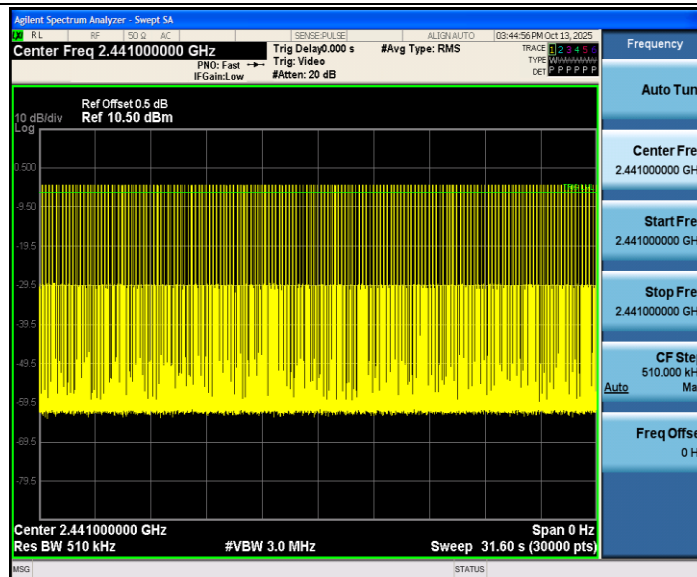
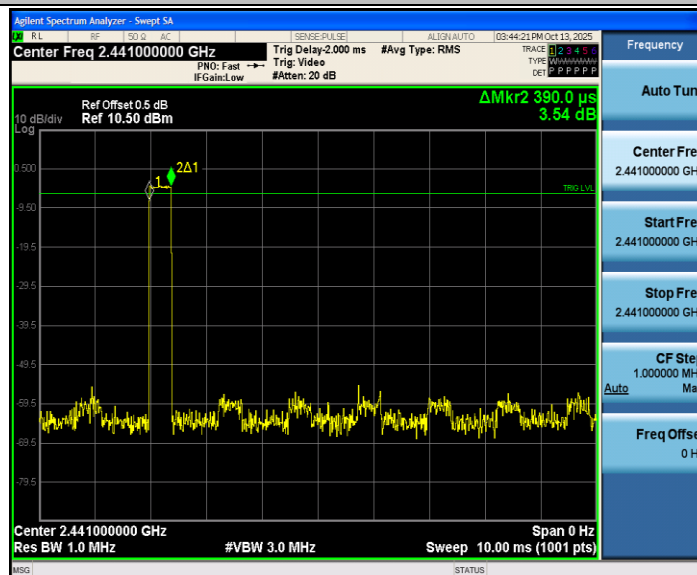


DH5_Ant1_Hop

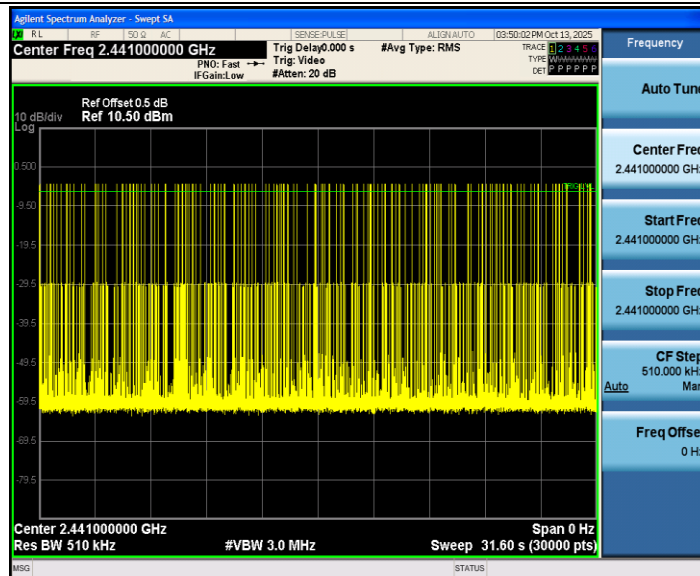




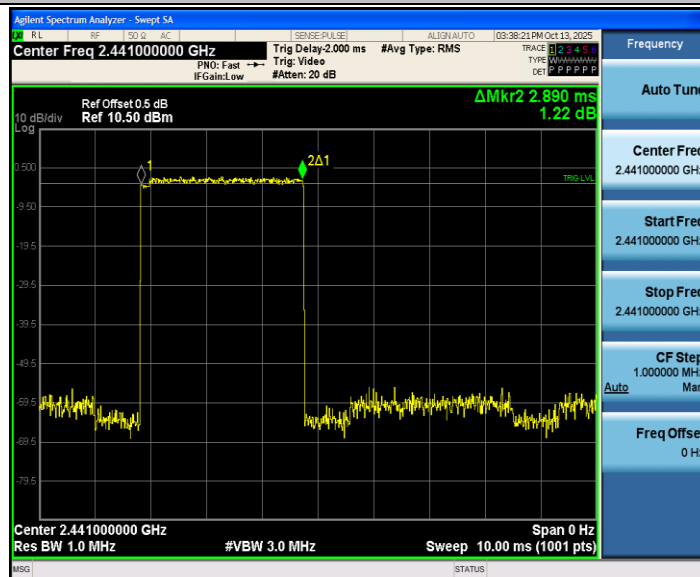
2DH1_Ant1_Hop

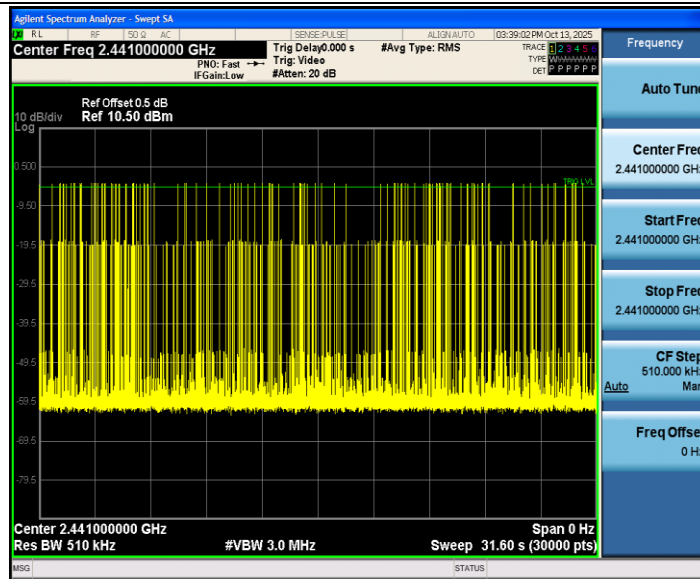


2DH3_Ant1_Hop

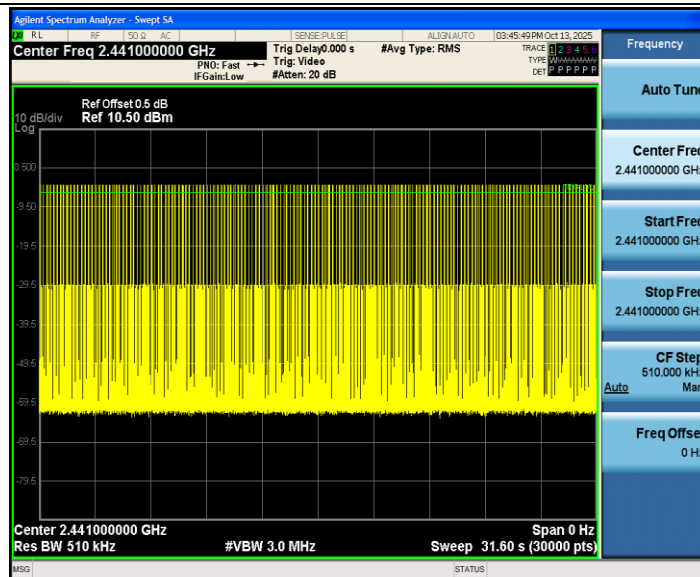
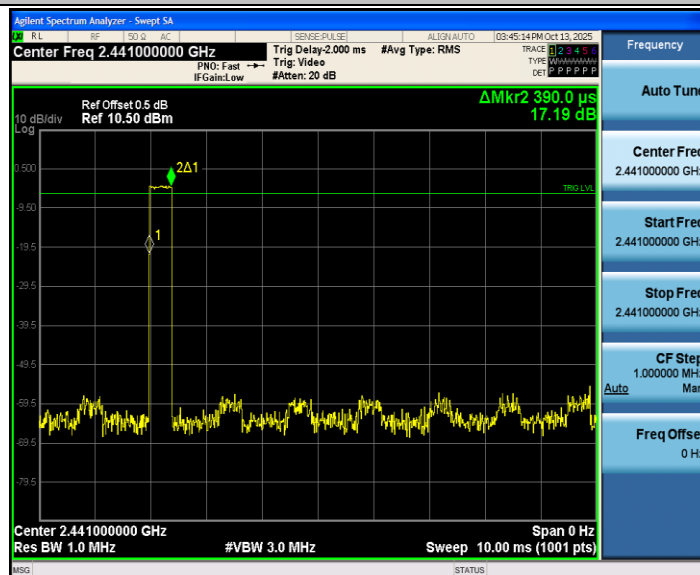


2DH5_Ant1_Hop

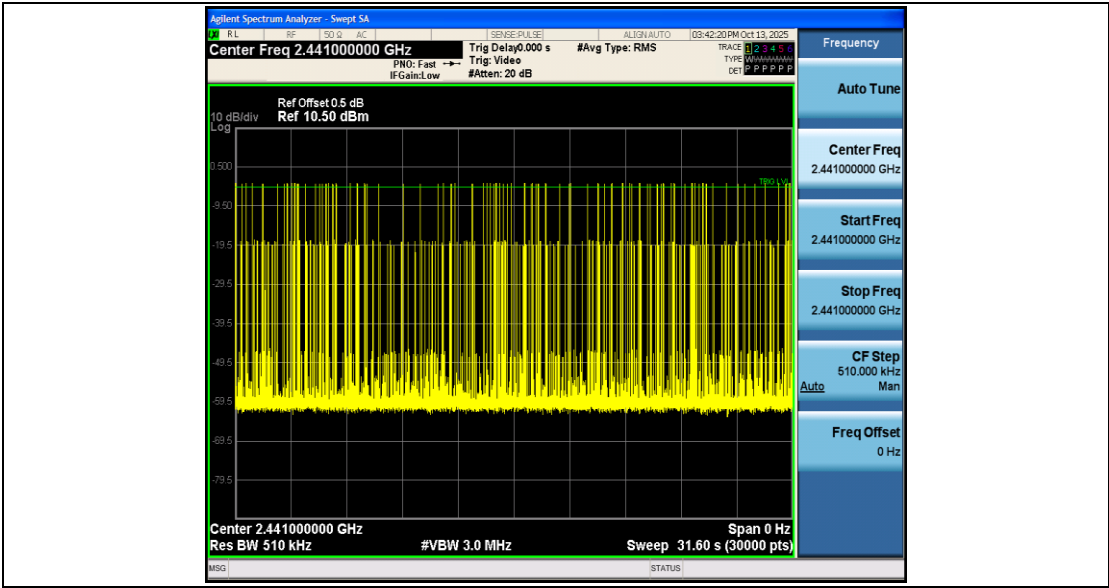




3DH1_Ant1_Hop



3DH3_Ant1_Hop



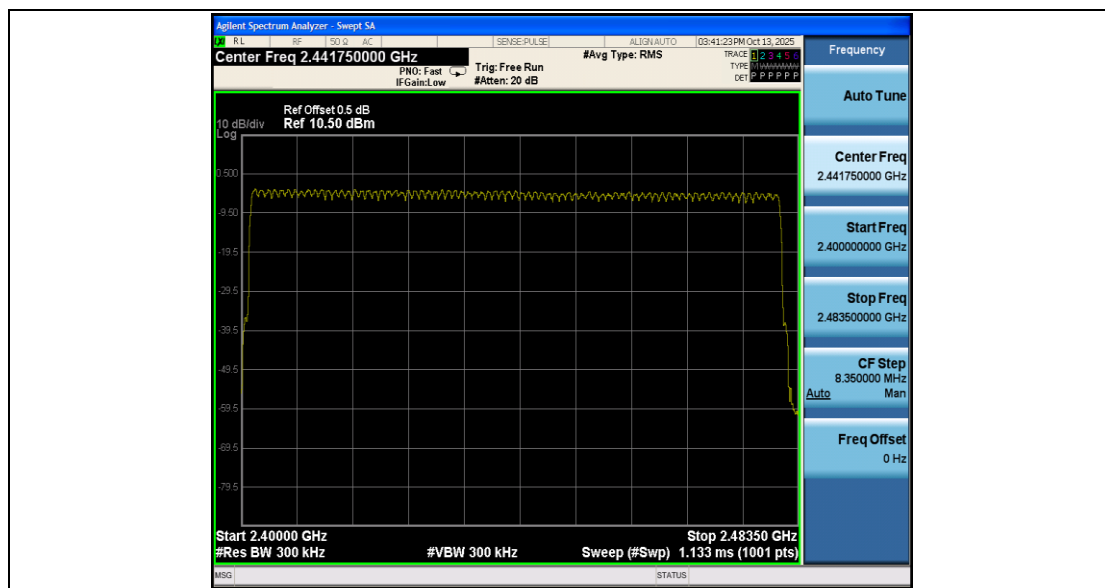
Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



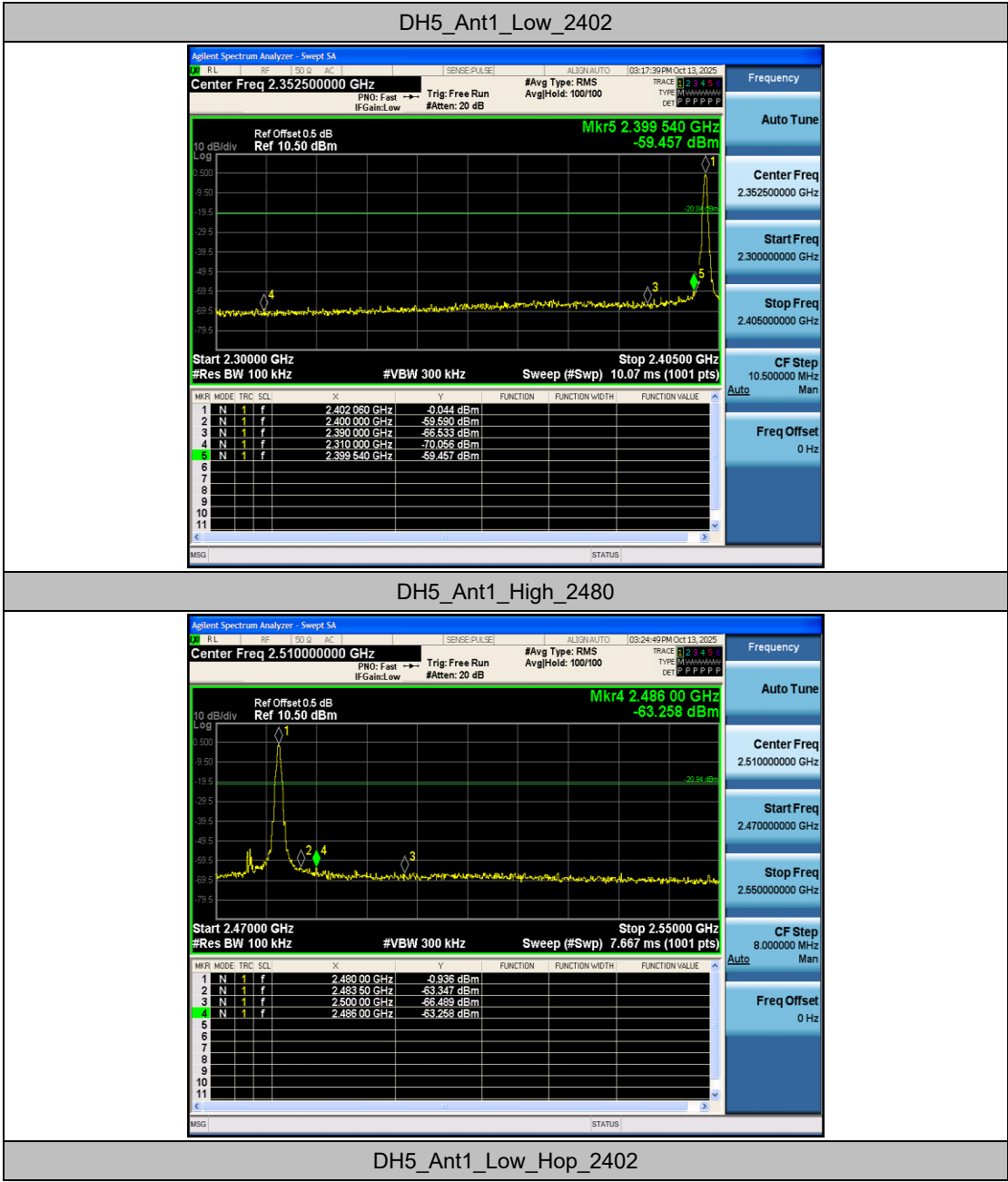


Appendix G: Band edge measurements

Test Result

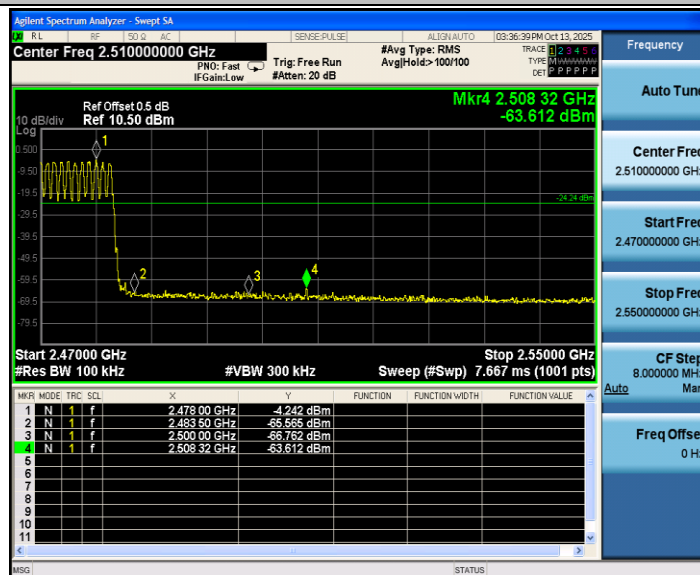
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.04	-59.46	≤-20.04	PASS
		High	2480	-0.94	-63.26	≤-20.94	PASS
		Low	Hop_2402	-4.02	-63.31	≤-24.02	PASS
		High	Hop_2480	-4.24	-63.61	≤-24.24	PASS
2DH5	Ant1	Low	2402	-3.33	-56.08	≤-23.33	PASS
		High	2480	-7.19	-59.83	≤-27.19	PASS
		Low	Hop_2402	-6.30	-59.1	≤-26.3	PASS
		High	Hop_2480	-5.39	-64.51	≤-25.39	PASS
3DH5	Ant1	Low	2402	-3.44	-61.4	≤-23.44	PASS
		High	2480	-5.24	-64.51	≤-25.24	PASS
		Low	Hop_2402	-5.11	-57.85	≤-25.11	PASS
		High	Hop_2480	-4.41	-63.78	≤-24.41	PASS

Test Graphs

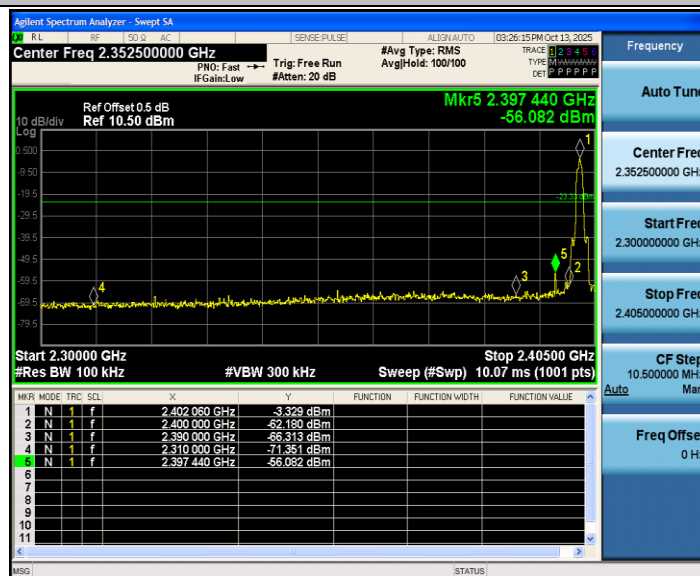




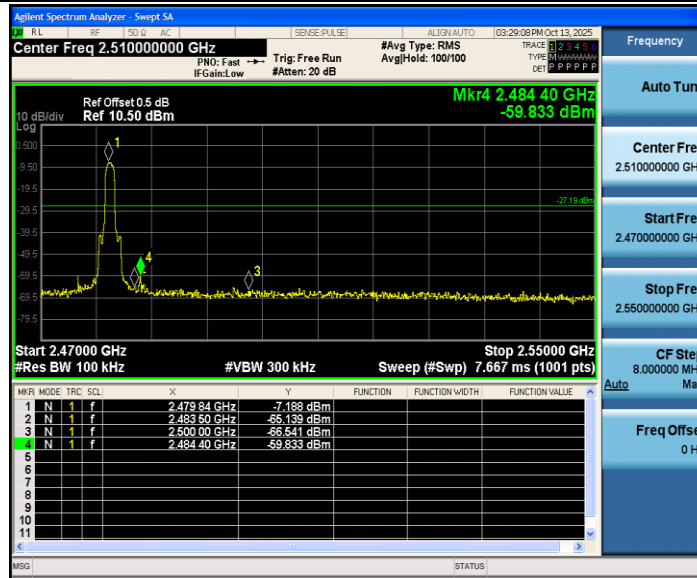
DH5_Ant1_High_Hop_2480



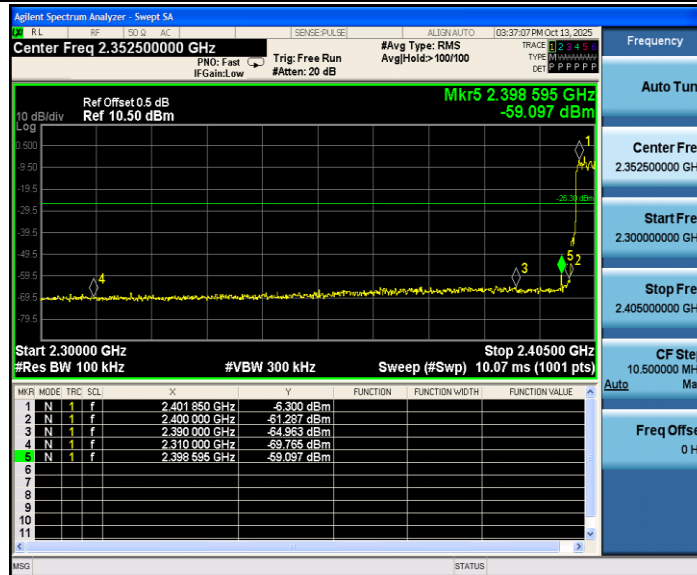
2DH5_Ant1_Low_2402



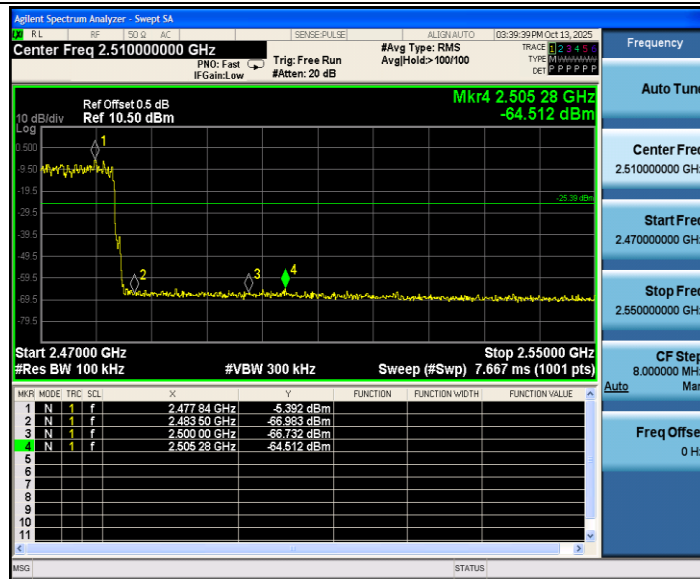
2DH5_Ant1_High_2480



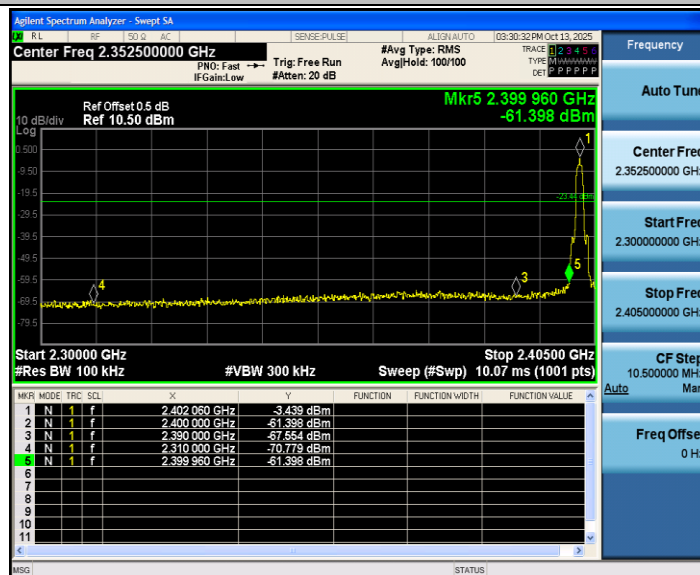
2DH5_Ant1_Low_Hop_2402



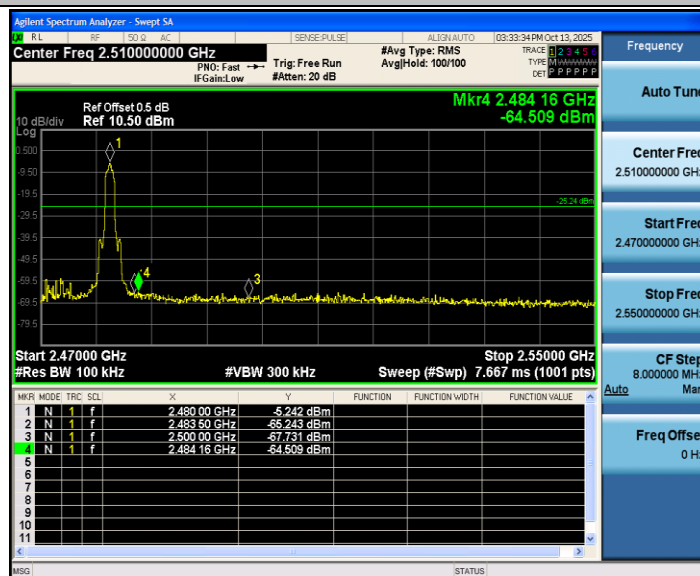
2DH5_Ant1_High_Hop_2480



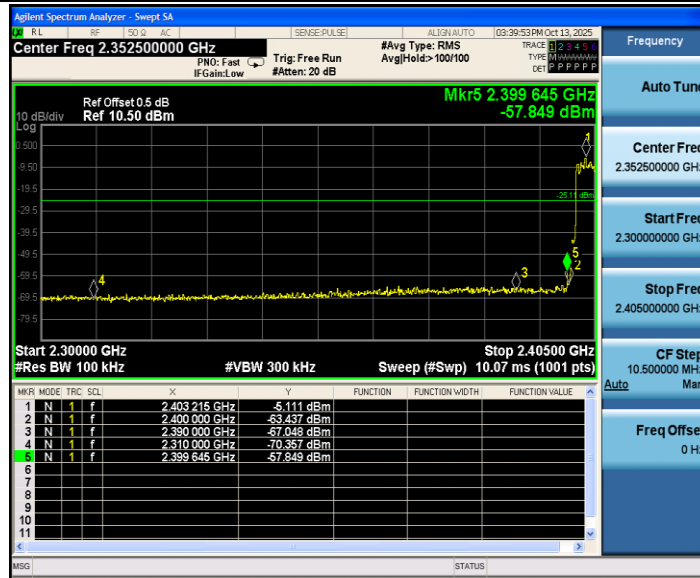
3DH5_Ant1_Low_2402



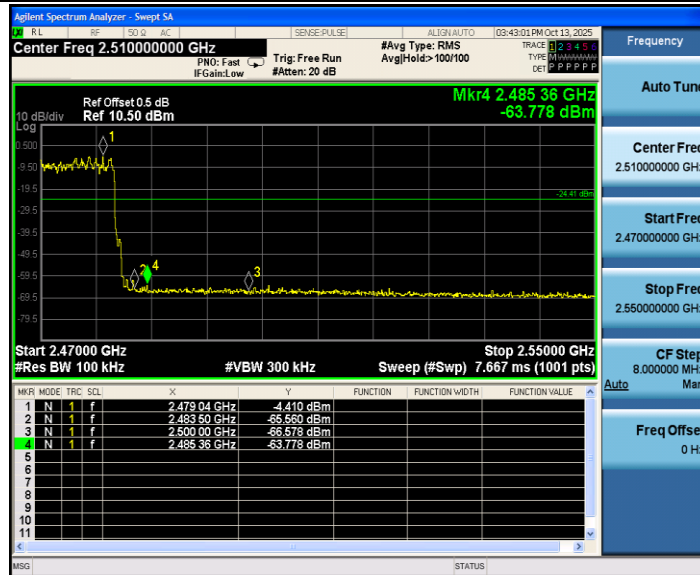
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

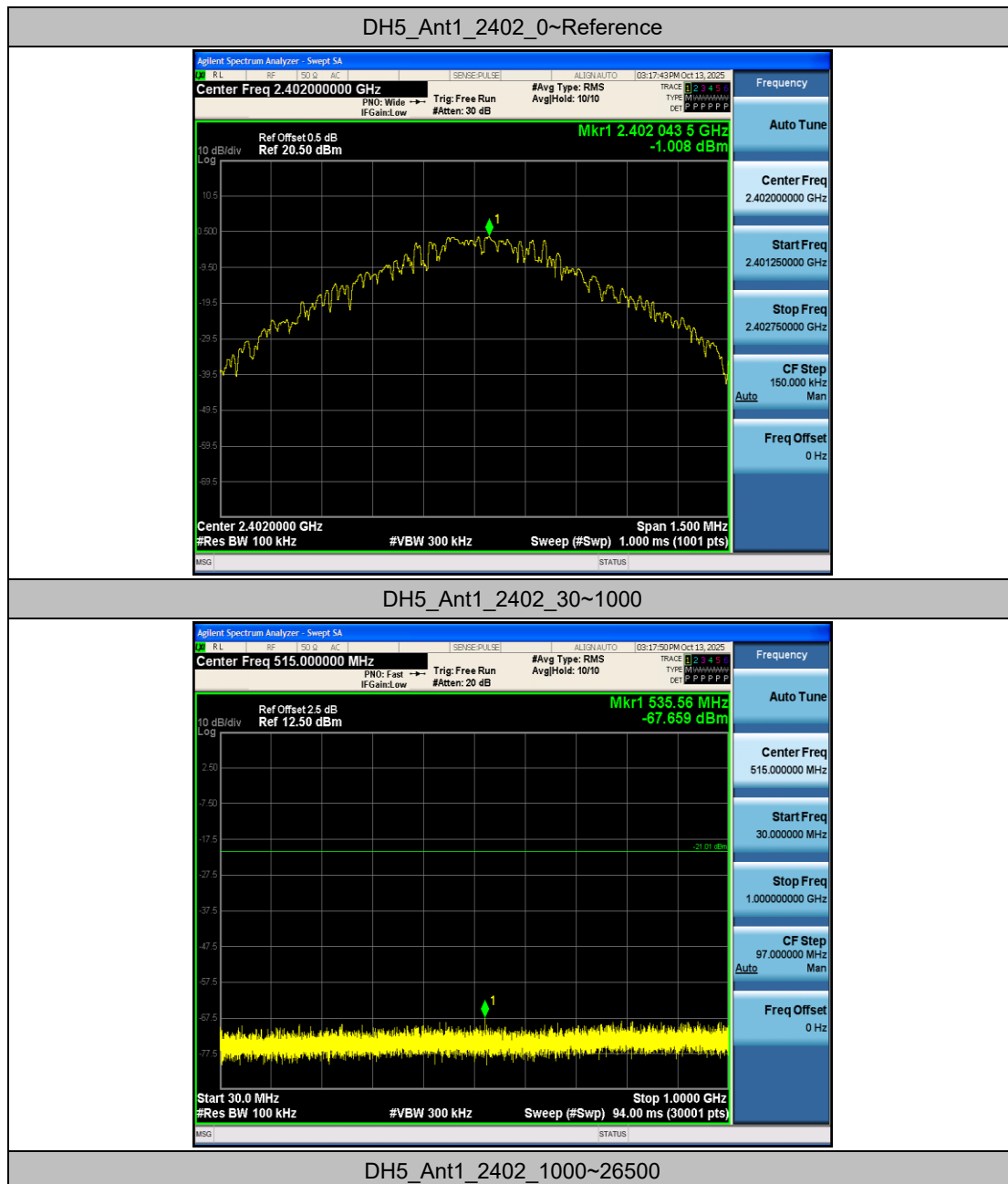


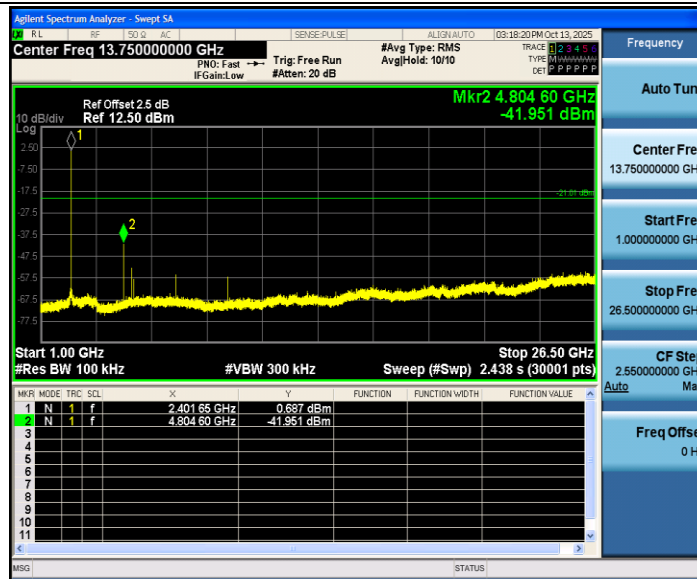
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.01	-1.01	---	PASS
			30~1000	-1.01	-67.66	≤-21.01	PASS
			1000~26500	-1.01	-41.95	≤-21.01	PASS
		2441	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-67.46	≤-21.47	PASS
			1000~26500	-1.47	-41.98	≤-21.47	PASS
		2480	Reference	-1.92	-1.92	---	PASS
			30~1000	-1.92	-67.63	≤-21.92	PASS
			1000~26500	-1.92	-43.13	≤-21.92	PASS
2DH5	Ant1	2402	Reference	-5.88	-5.88	---	PASS
			30~1000	-5.88	-68.05	≤-25.88	PASS
			1000~26500	-5.88	-45.22	≤-25.88	PASS
		2441	Reference	-7.39	-7.39	---	PASS
			30~1000	-7.39	-67.49	≤-27.39	PASS
			1000~26500	-7.39	-44.81	≤-27.39	PASS
		2480	Reference	-6.01	-6.01	---	PASS
			30~1000	-6.01	-67.17	≤-26.01	PASS
			1000~26500	-6.01	-51.09	≤-26.01	PASS
3DH5	Ant1	2402	Reference	-4.32	-4.32	---	PASS
			30~1000	-4.32	-67.82	≤-24.32	PASS
			1000~26500	-4.32	-46.26	≤-24.32	PASS
		2441	Reference	-6.59	-6.59	---	PASS
			30~1000	-6.59	-67.55	≤-26.59	PASS
			1000~26500	-6.59	-49.47	≤-26.59	PASS
		2480	Reference	-7.69	-7.69	---	PASS
			30~1000	-7.69	-67.53	≤-27.69	PASS
			1000~26500	-7.69	-45.86	≤-27.69	PASS

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

