

FCC Appendix RF Test Data for BT

FCC ID : 2AJU8-RG477V

Company : Shenzhen Yangliming Electronic Technology Co., Ltd.

EUT : Handheld Game Console

Model Number : RG 477V

Report No. : CTA26060901101

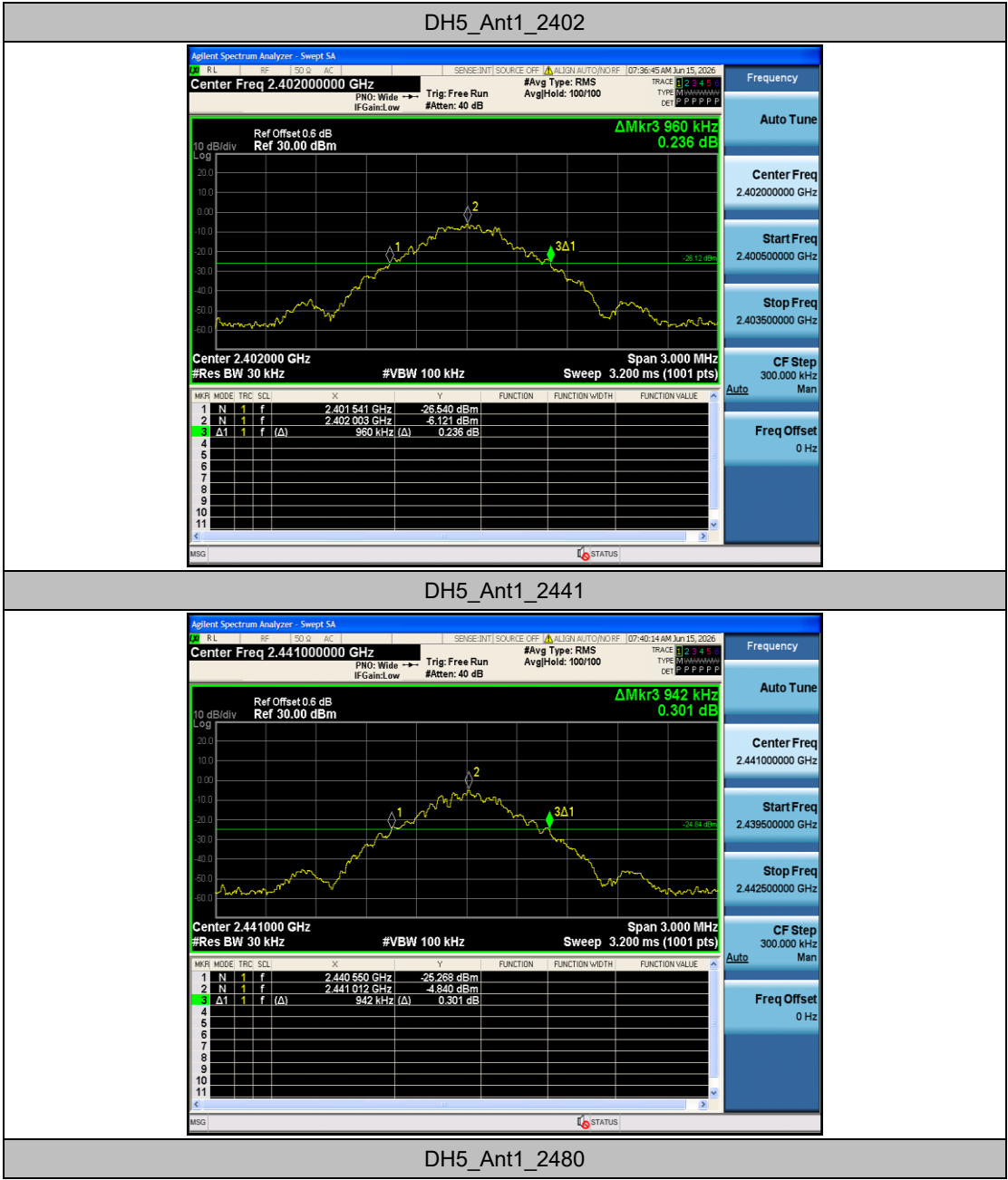
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.541	2402.501	---	---
		2441	0.942	2440.550	2441.492	---	---
		2480	0.957	2479.544	2480.501	---	---
2DH5	Ant1	2402	1.287	2401.376	2402.663	---	---
		2441	1.290	2440.376	2441.666	---	---
		2480	1.281	2479.376	2480.657	---	---
3DH5	Ant1	2402	1.311	2401.358	2402.669	---	---
		2441	1.305	2440.358	2441.663	---	---
		2480	1.305	2479.361	2480.666	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

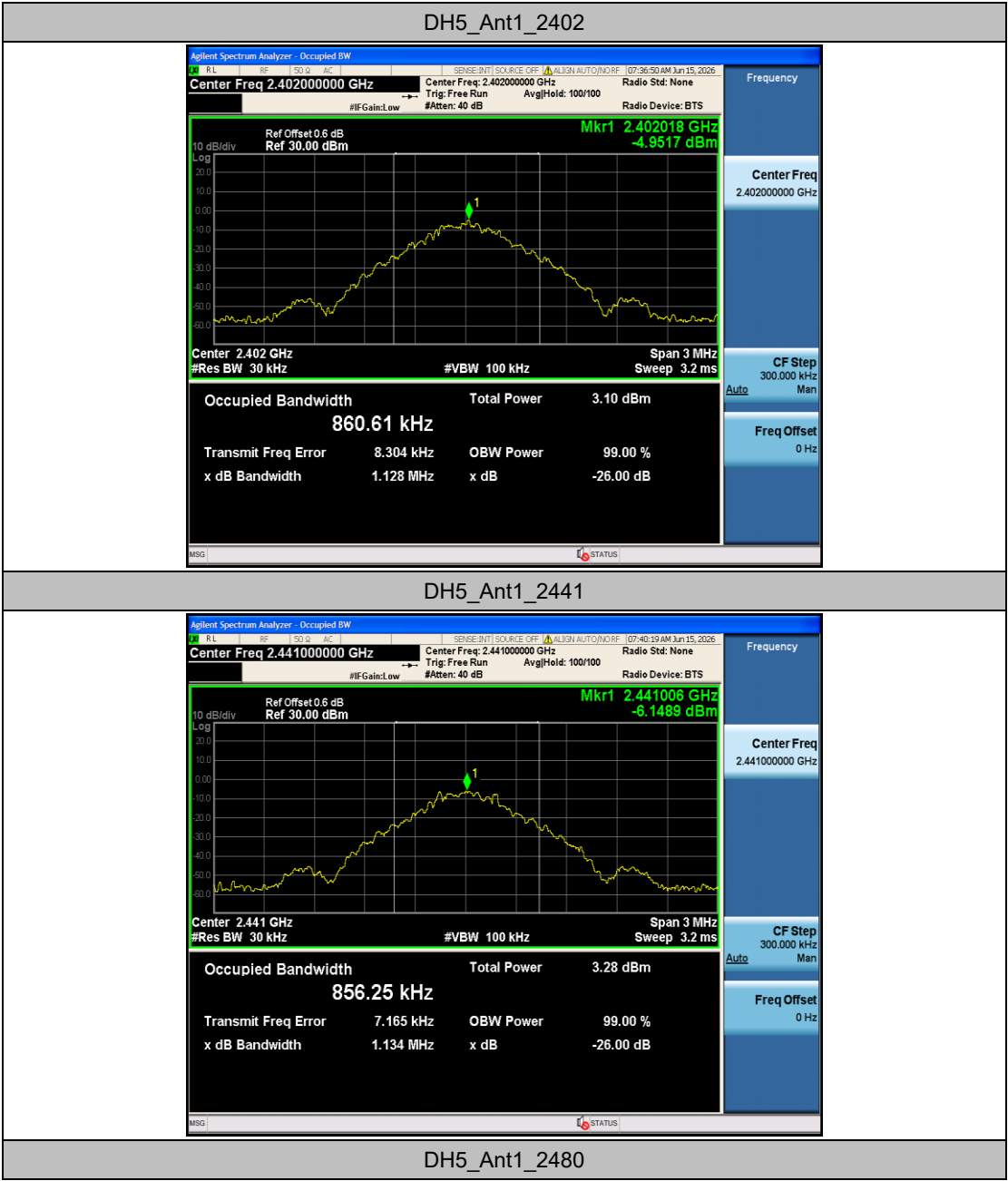


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86061	2401.5780	2402.4386	---	---
		2441	0.85625	2440.5790	2441.4353	---	---
		2480	0.85331	2479.5821	2480.4354	---	---
2DH5	Ant1	2402	1.2001	2401.4087	2402.6088	---	---
		2441	1.1797	2440.4186	2441.5983	---	---
		2480	1.1732	2479.4243	2480.5975	---	---
3DH5	Ant1	2402	1.2021	2401.4076	2402.6097	---	---
		2441	1.1897	2440.4170	2441.6067	---	---
		2480	1.1918	2479.4144	2480.6062	---	---

Test Graphs





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

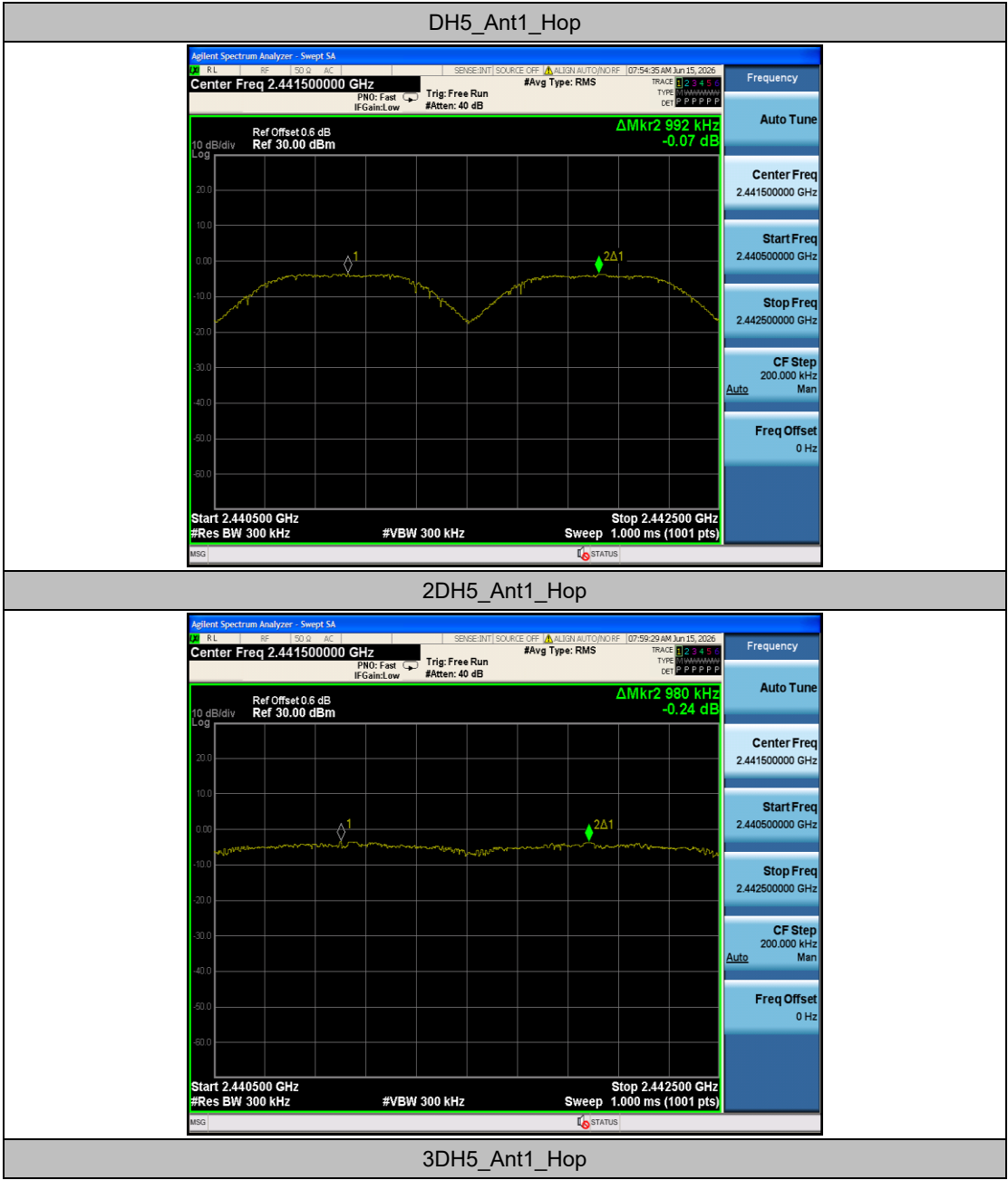
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.27	≤20.97	PASS
		2441	-3.31	≤20.97	PASS
		2480	-3.54	≤20.97	PASS
2DH5	Ant1	2402	-0.65	≤20.97	PASS
		2441	-0.76	≤20.97	PASS
		2480	-0.85	≤20.97	PASS
3DH5	Ant1	2402	-0.25	≤20.97	PASS
		2441	-0.29	≤20.97	PASS
		2480	-0.51	≤20.97	PASS

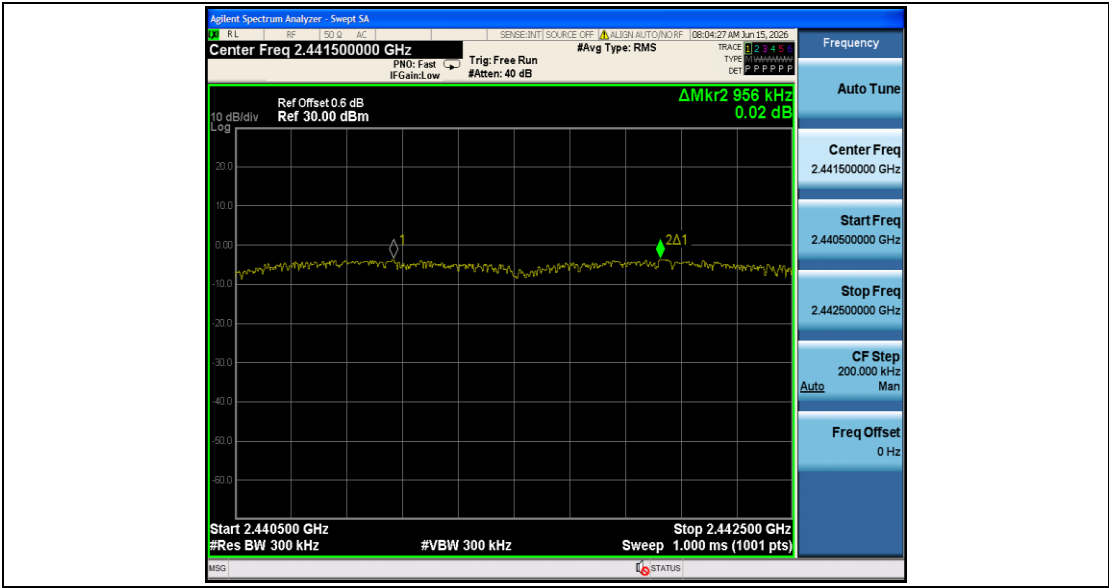
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.992	≥ 0.960	PASS
2DH5	Ant1	Hop	0.98	≥ 0.860	PASS
3DH5	Ant1	Hop	0.956	≥ 0.874	PASS

Test Graphs



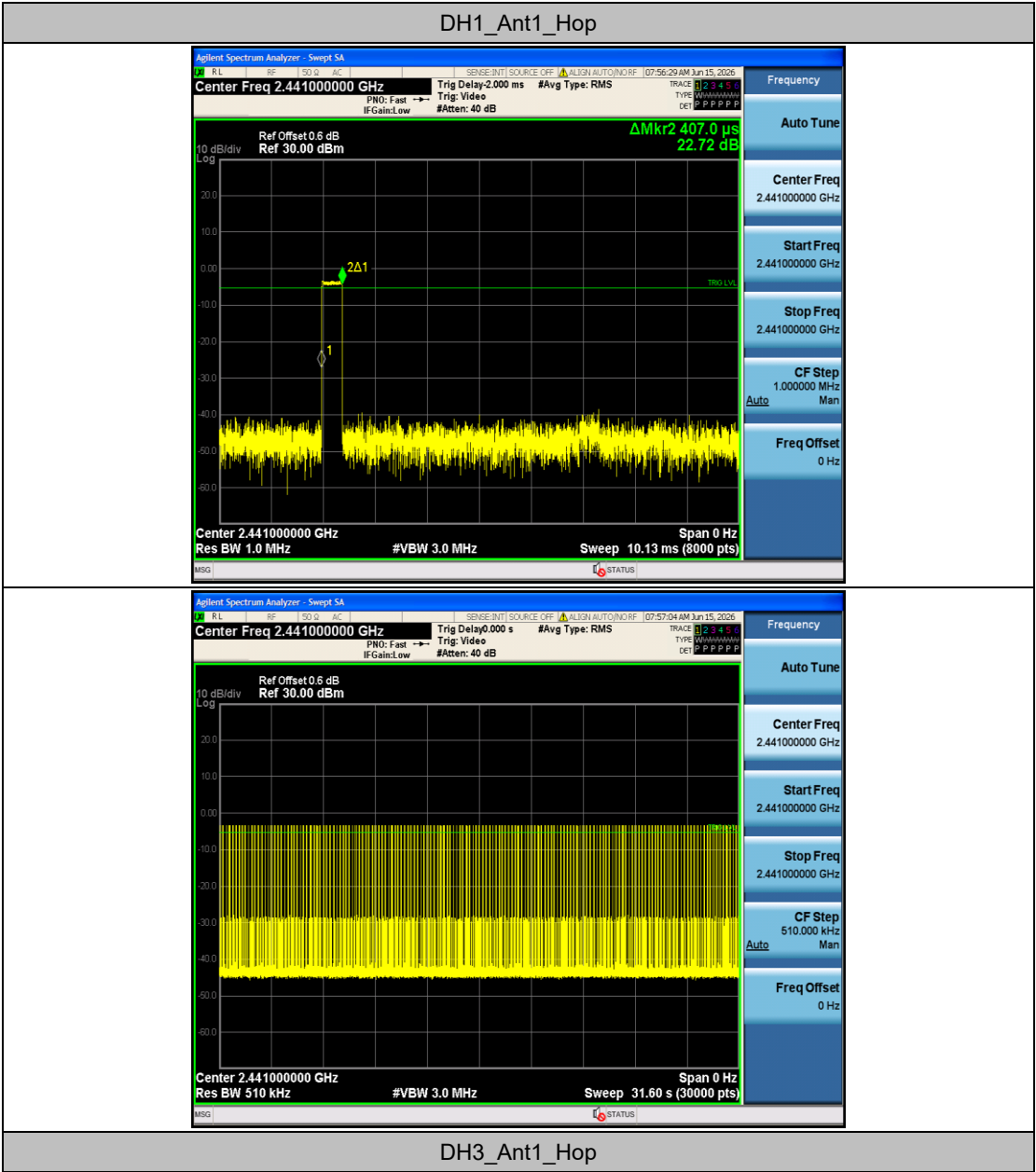


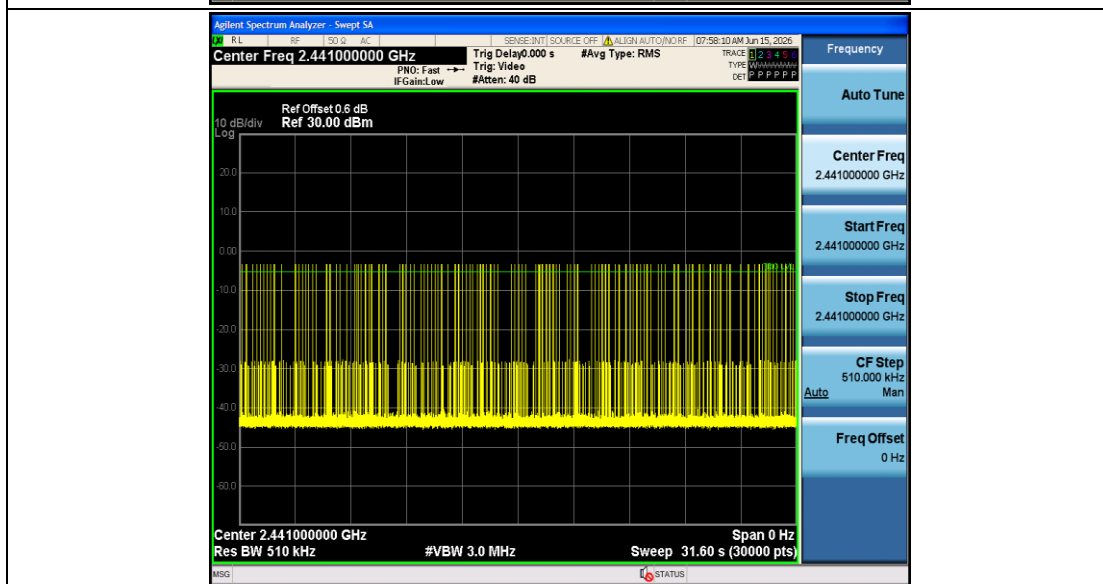
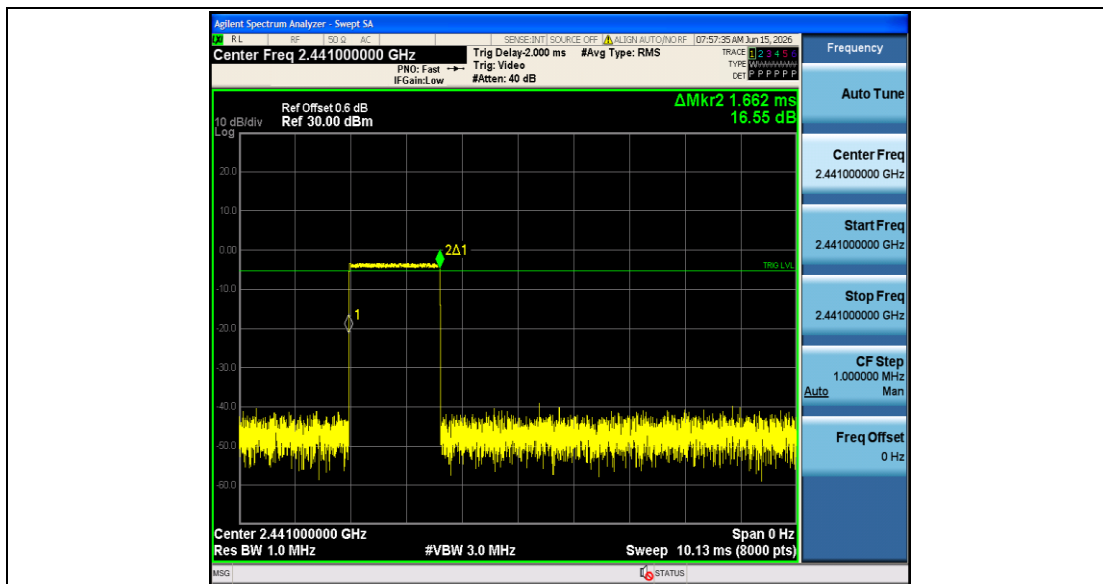
Appendix E: Time of occupancy

Test Result

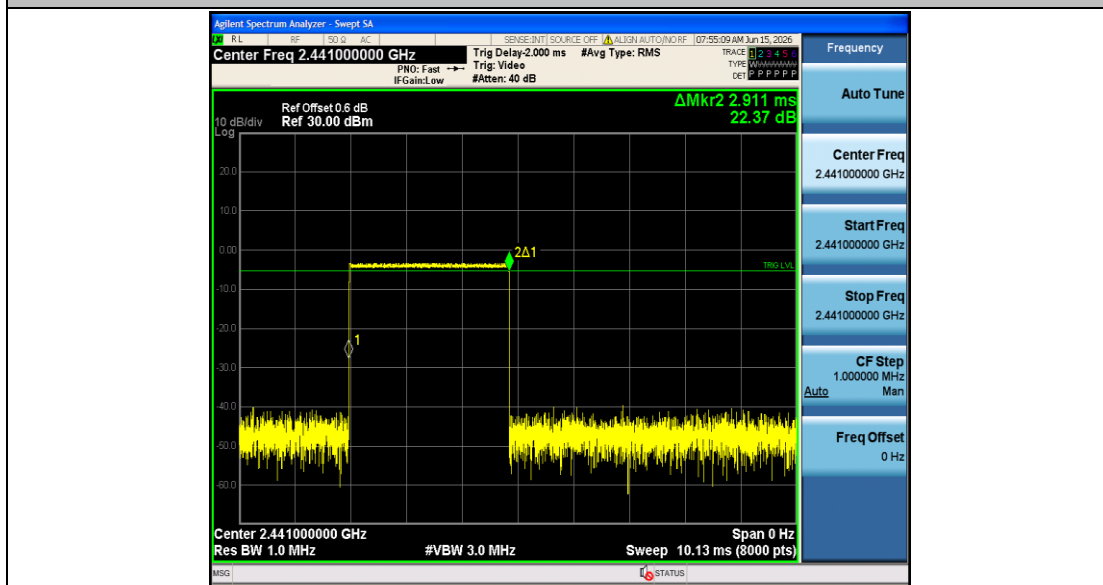
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.407	318	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	160	0.266	≤0.4	PASS
DH5	Ant1	Hop	2.911	109	0.317	≤0.4	PASS
2DH1	Ant1	Hop	0.415	317	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.667	174	0.29	≤0.4	PASS
2DH5	Ant1	Hop	2.915	101	0.294	≤0.4	PASS
3DH1	Ant1	Hop	0.415	319	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.664	160	0.266	≤0.4	PASS
3DH5	Ant1	Hop	2.916	98	0.286	≤0.4	PASS

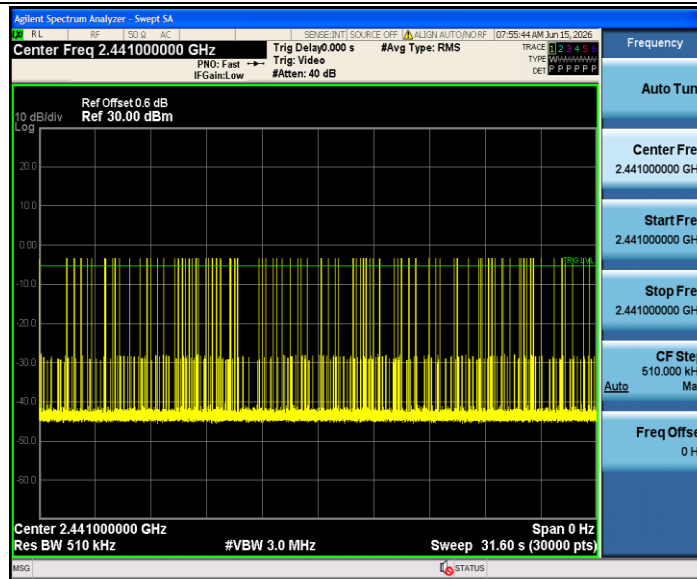
Test Graphs



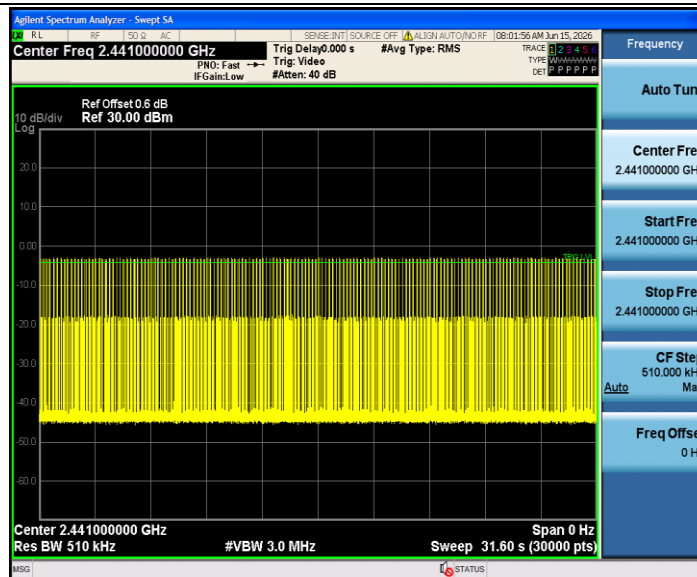
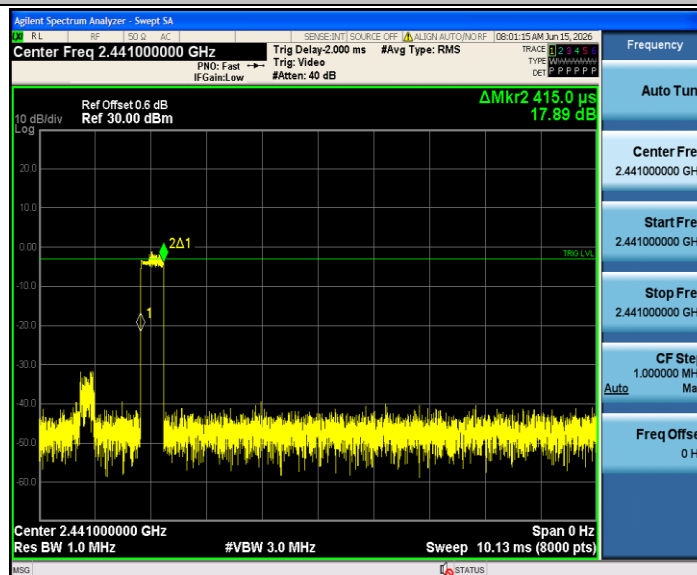


DH5_Ant1_Hop

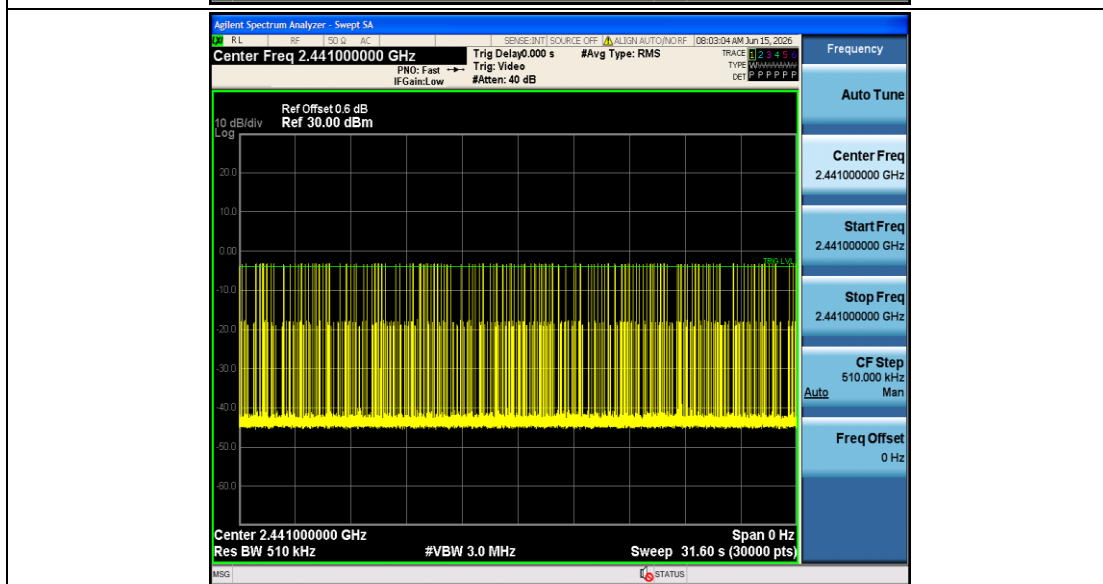
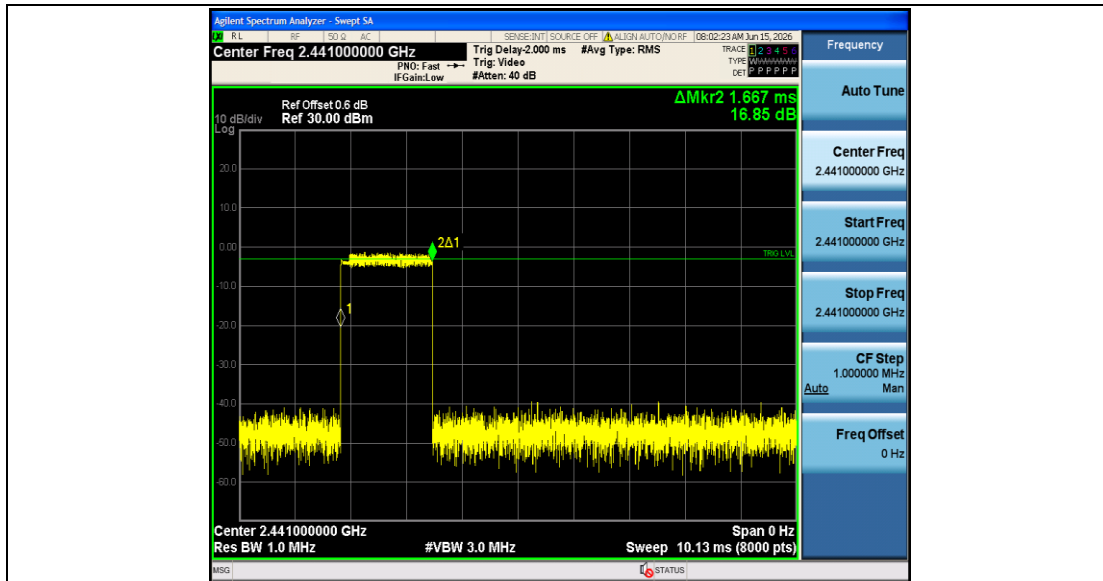




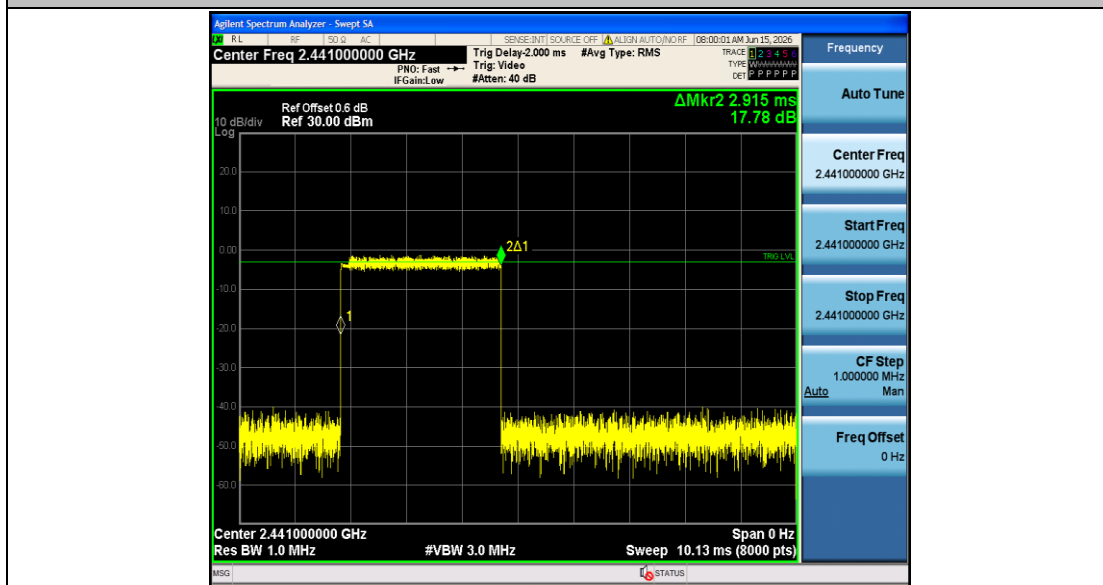
2DH1_Ant1_Hop

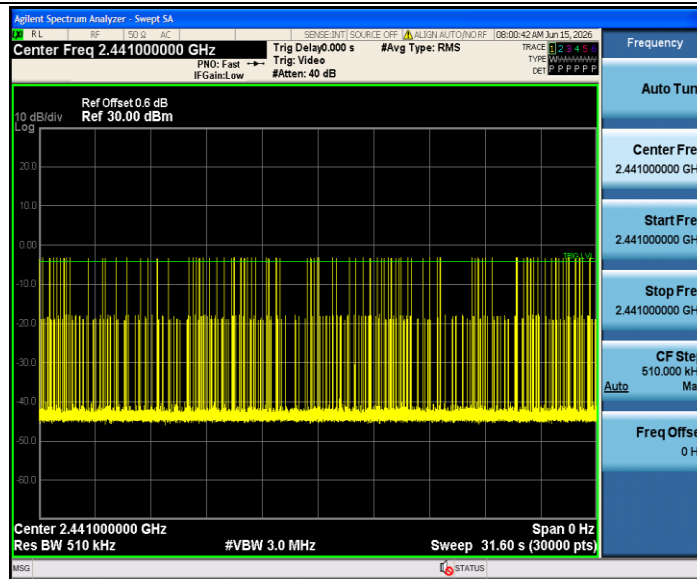


2DH3_Ant1_Hop

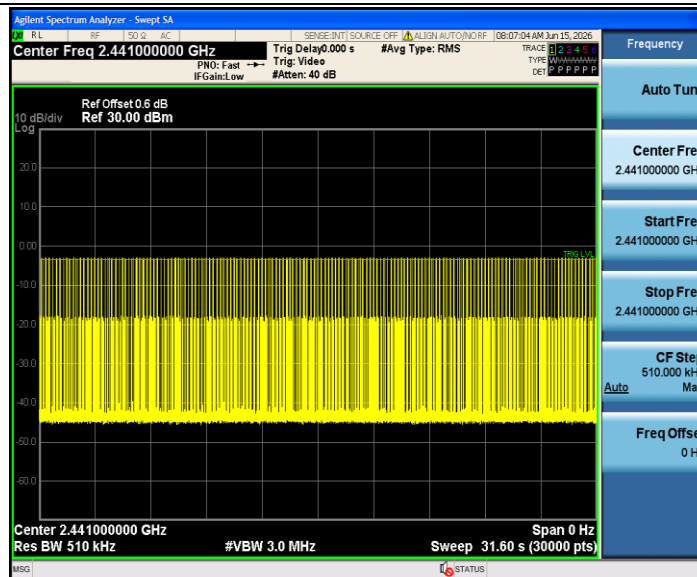
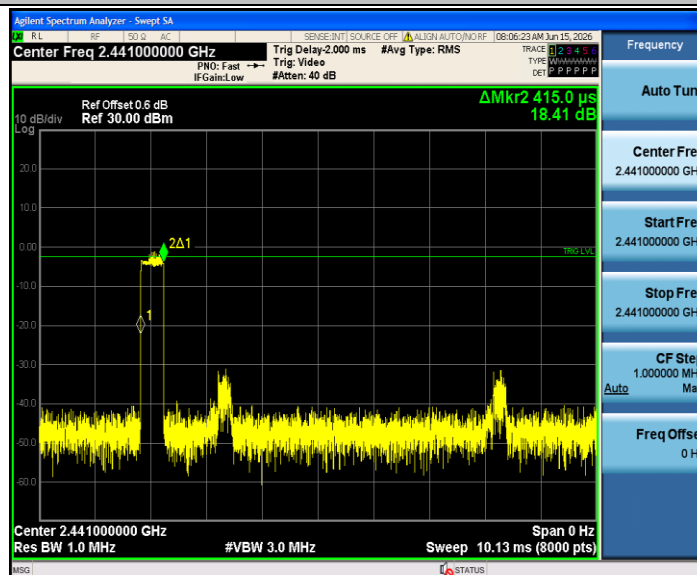


2DH5_Ant1_Hop

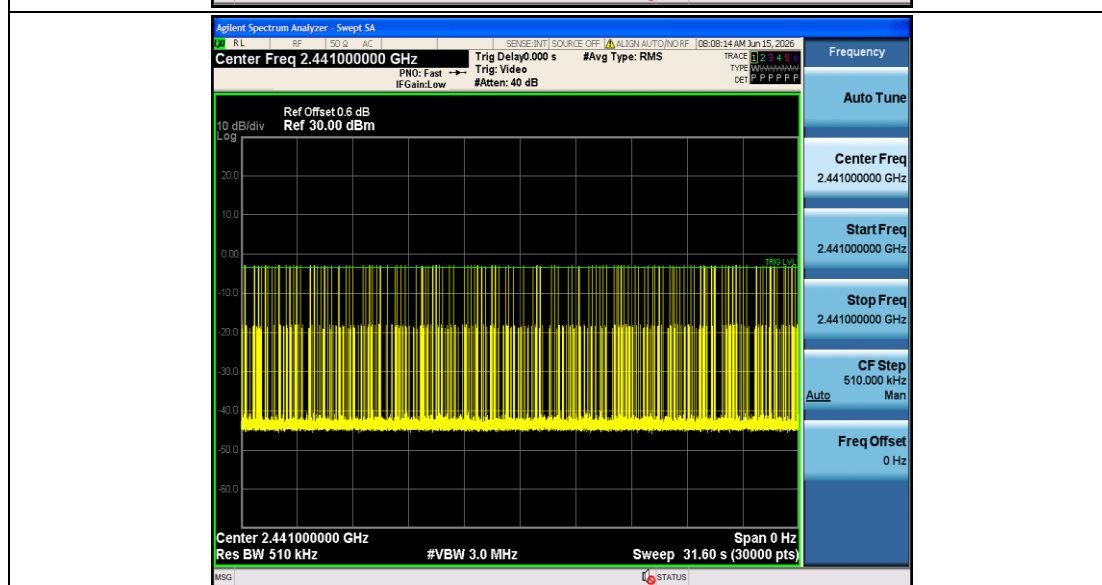
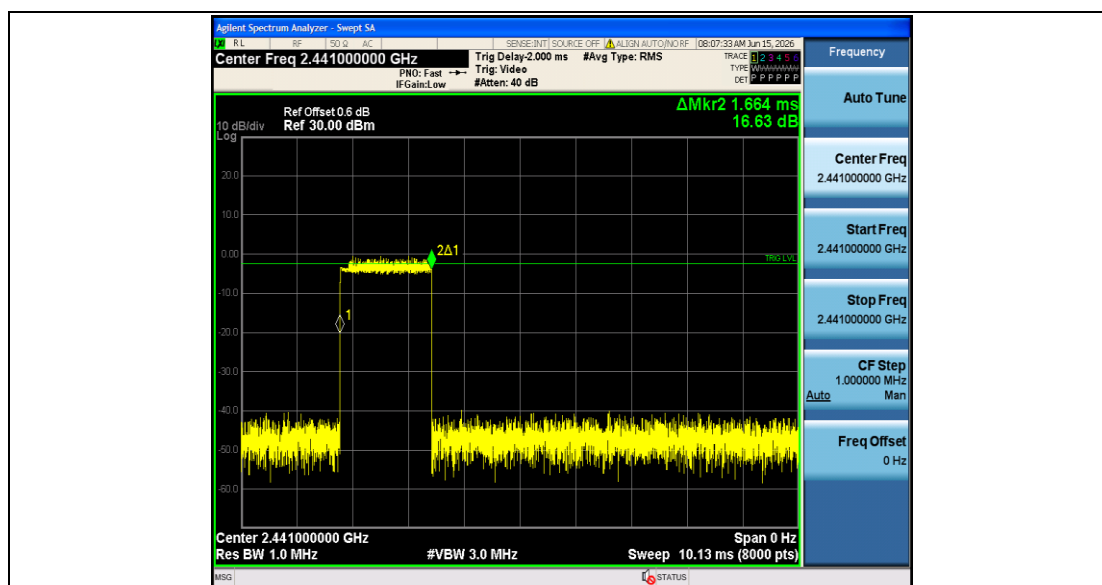




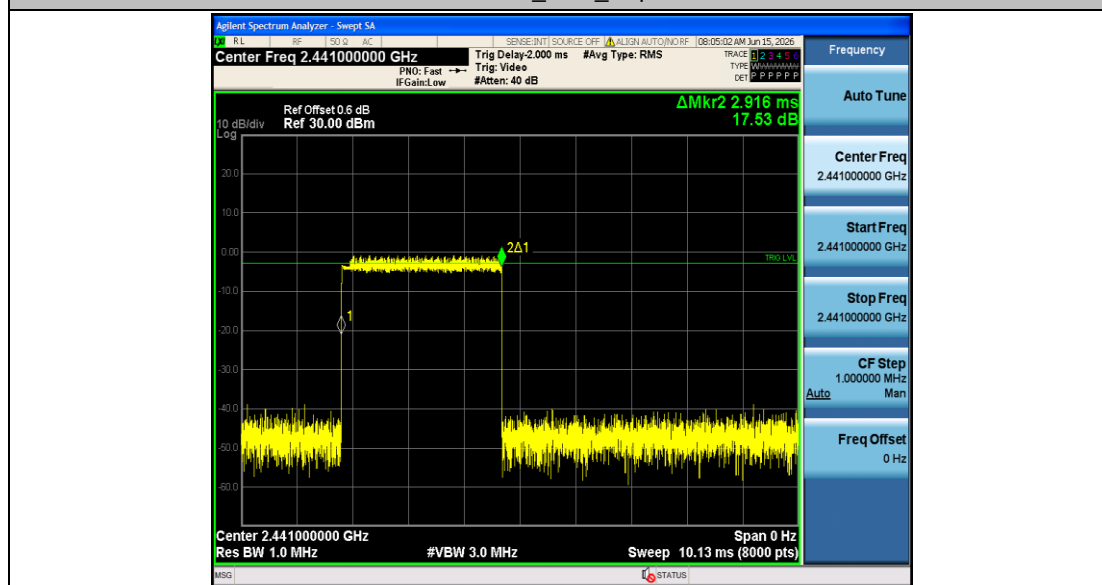
3DH1_Ant1_Hop

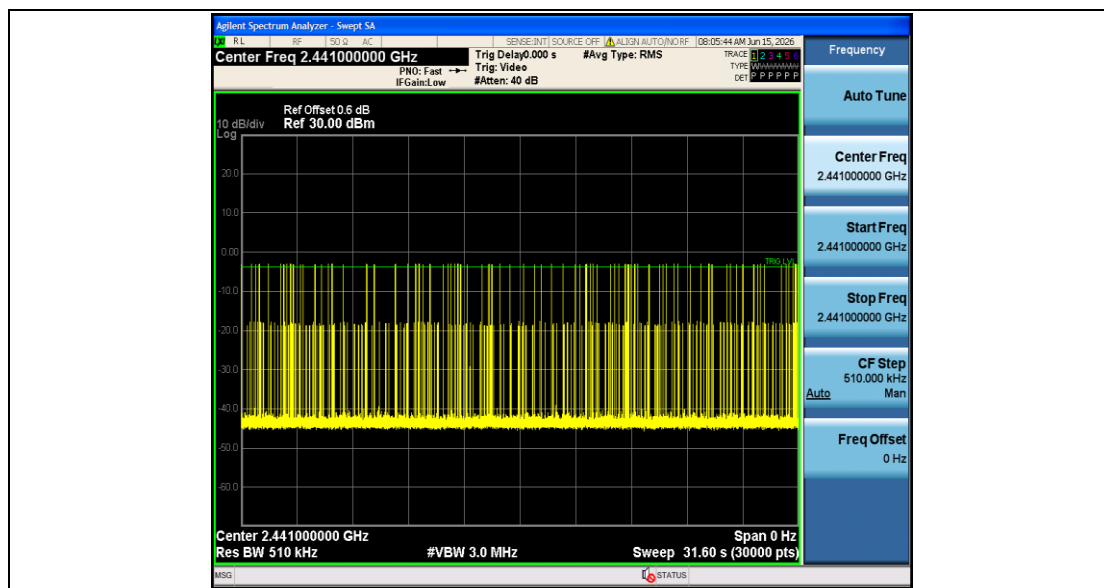


3DH3_Ant1_Hop



3DH5_Ant1_Hop



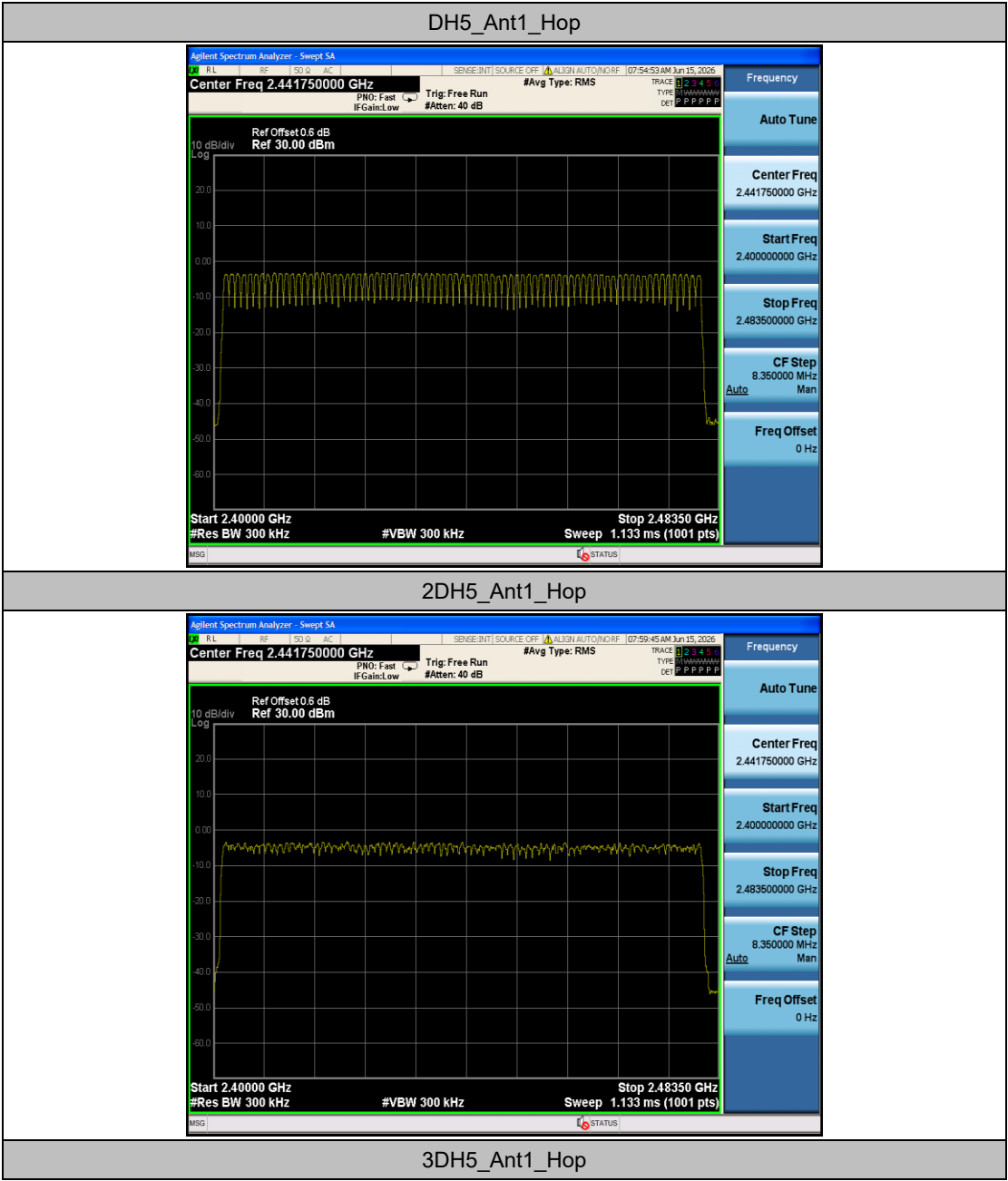


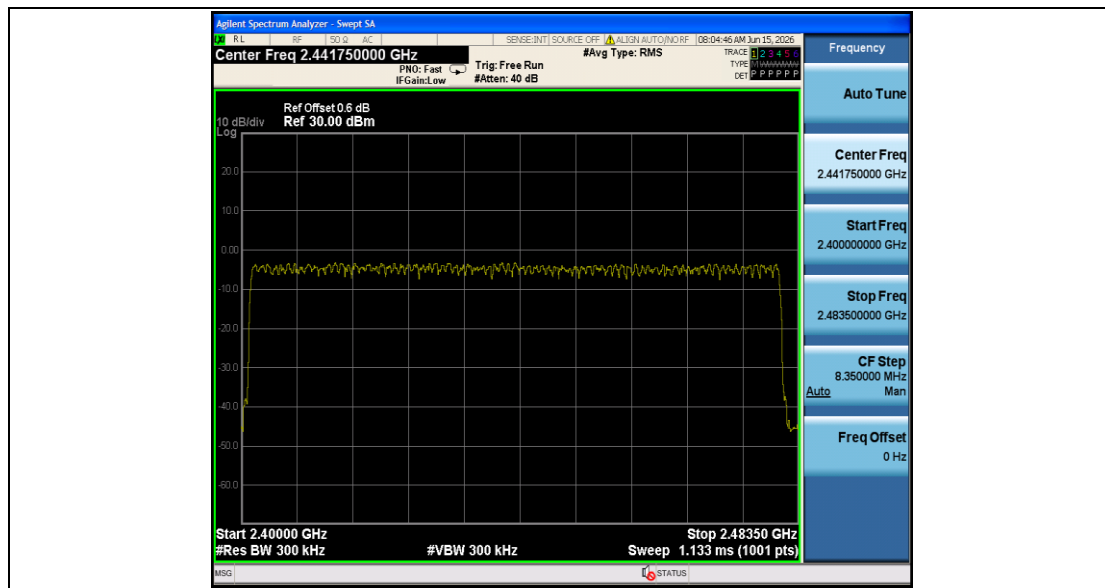
Appendix F: Number of hopping channels

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





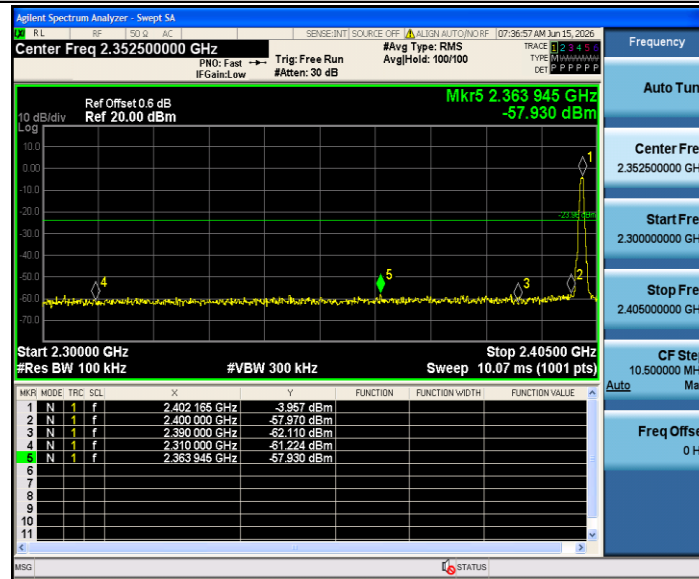
Appendix G: Band edge measurements

Test Result

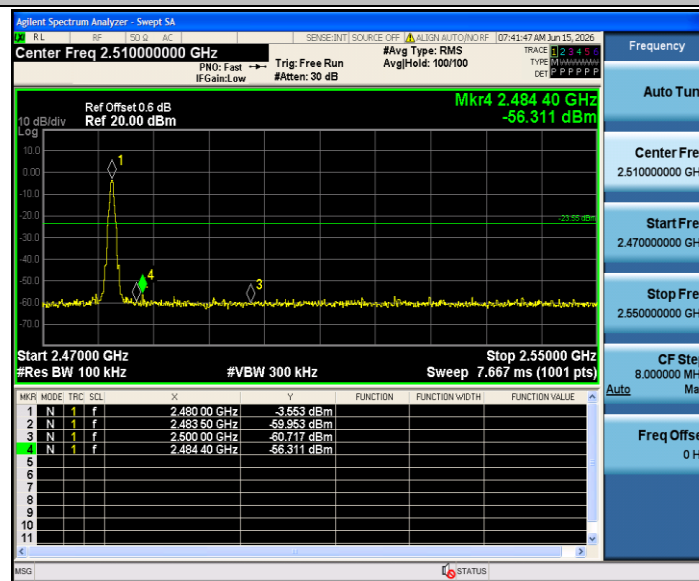
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.96	-57.93	≤-23.96	PASS
		High	2480	-3.55	-56.31	≤-23.55	PASS
		Low	Hop_2402	-3.85	-57.51	≤-23.85	PASS
		High	Hop_2480	-4.39	-44.57	≤-24.39	PASS
2DH5	Ant1	Low	2402	-6.55	-57.44	≤-26.55	PASS
		High	2480	-4.44	-54.68	≤-24.44	PASS
		Low	Hop_2402	-4.48	-57.54	≤-24.48	PASS
		High	Hop_2480	-4.47	-52.44	≤-24.47	PASS
3DH5	Ant1	Low	2402	-3.95	-56.62	≤-23.95	PASS
		High	2480	-4.23	-49.81	≤-24.23	PASS
		Low	Hop_2402	-6.58	-57.42	≤-26.58	PASS
		High	Hop_2480	-5.85	-57.68	≤-25.85	PASS

Test Graphs

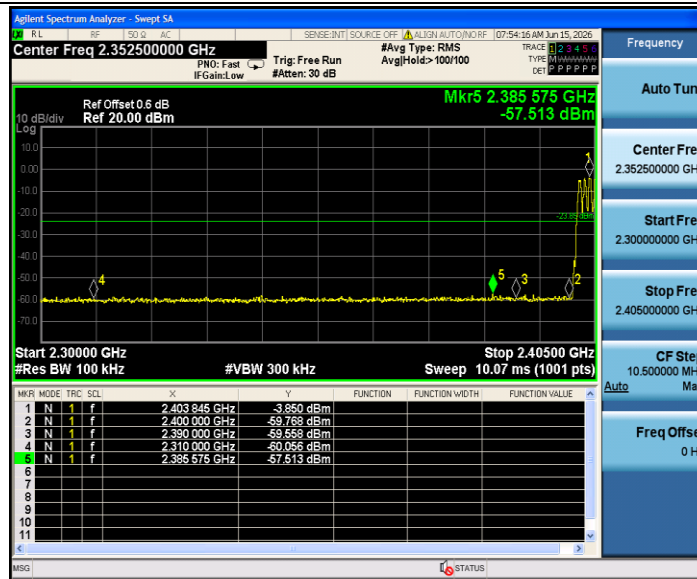
DH5_Ant1_Low_2402



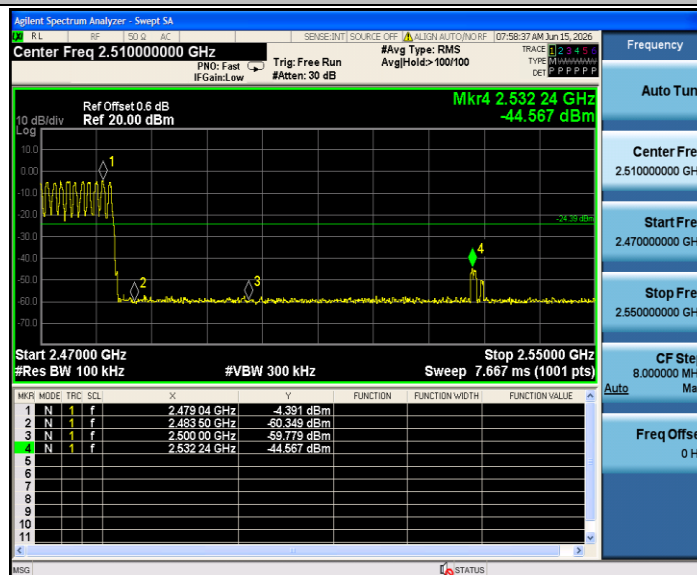
DH5_Ant1_High_2480



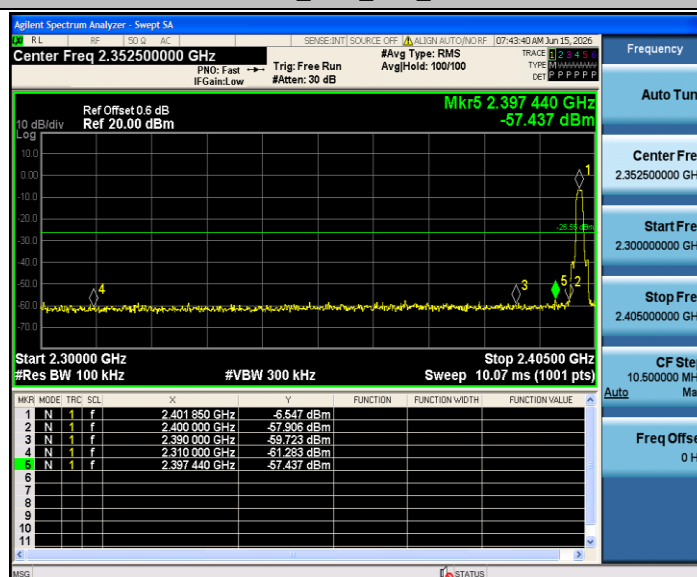
DH5_Ant1_Low_Hop_2402



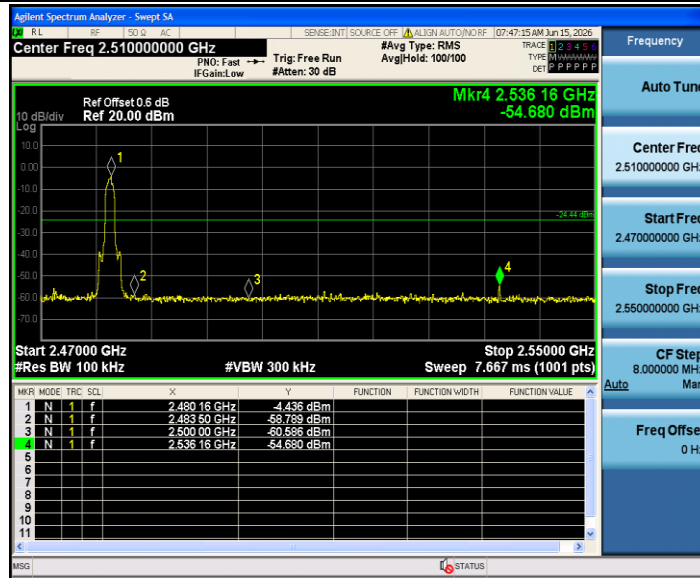
DH5_Ant1_High_Hop_2480



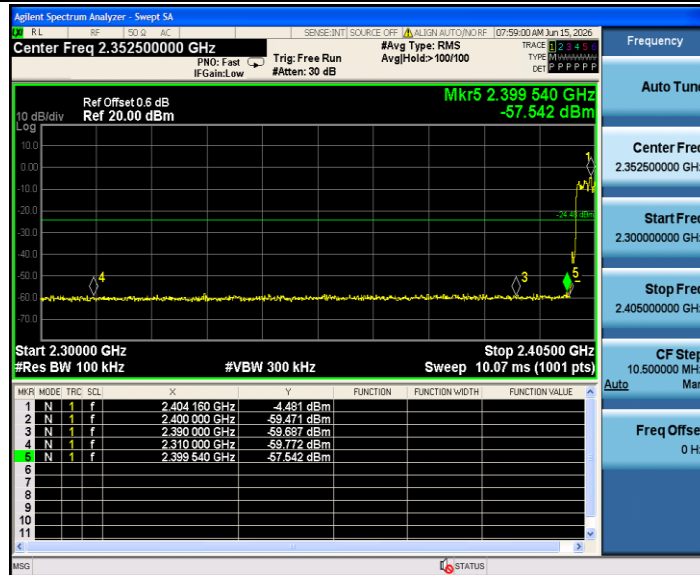
2DH5_Ant1_Low_2402



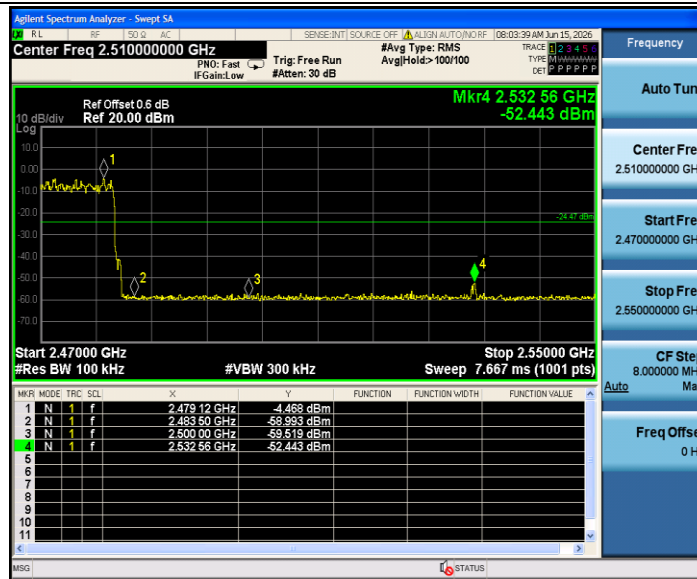
2DH5_Ant1_High_2480



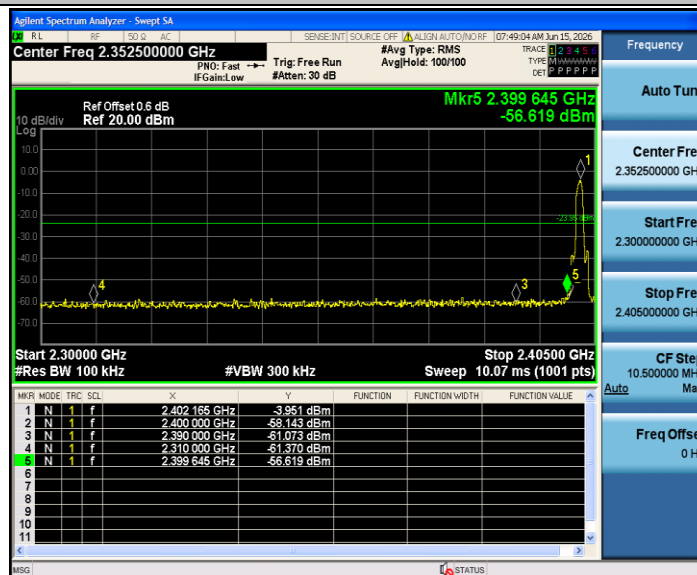
2DH5_Ant1_Low_Hop_2402



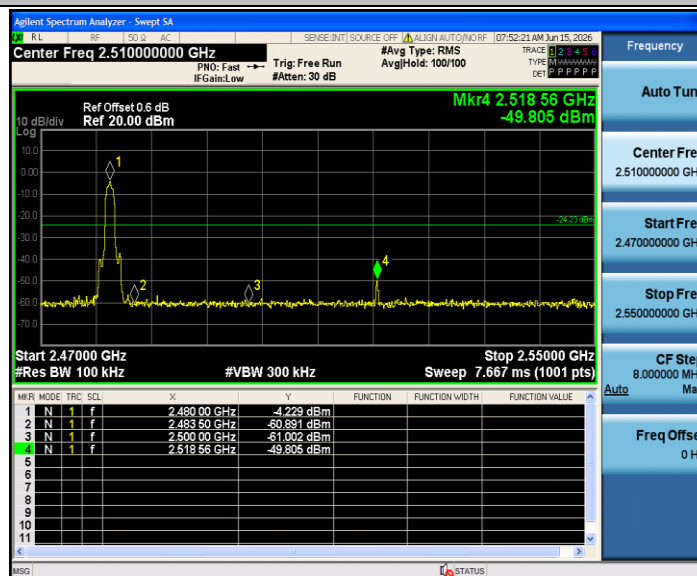
2DH5_Ant1_High_Hop_2480



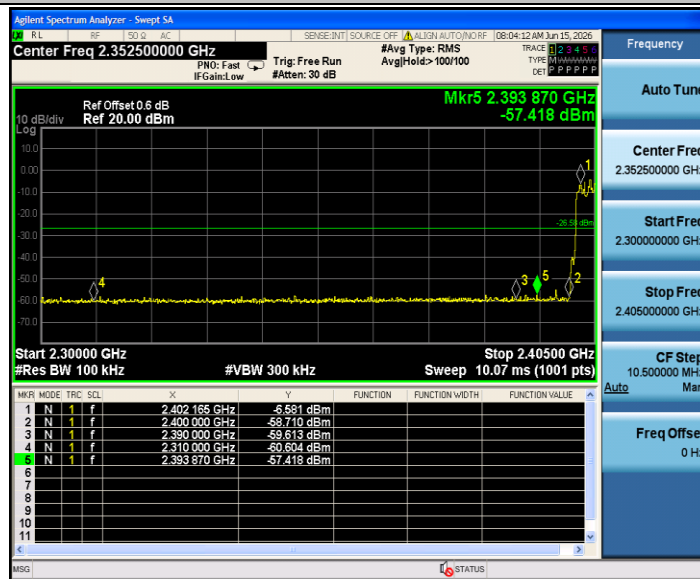
3DH5_Ant1_Low_2402



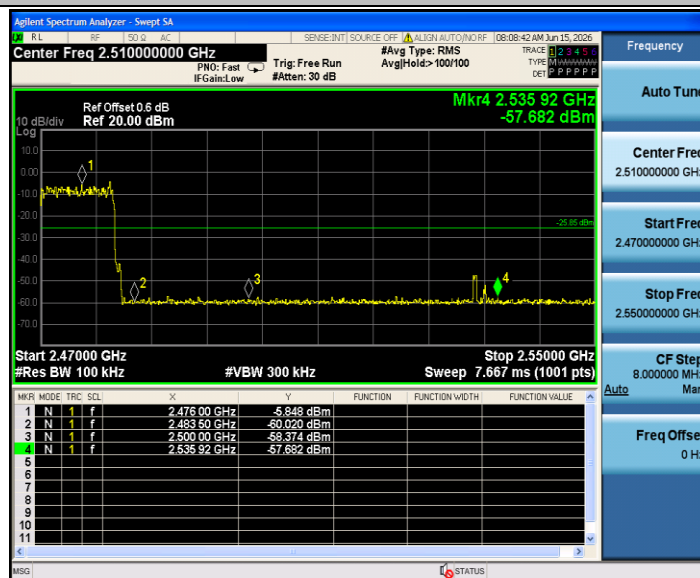
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

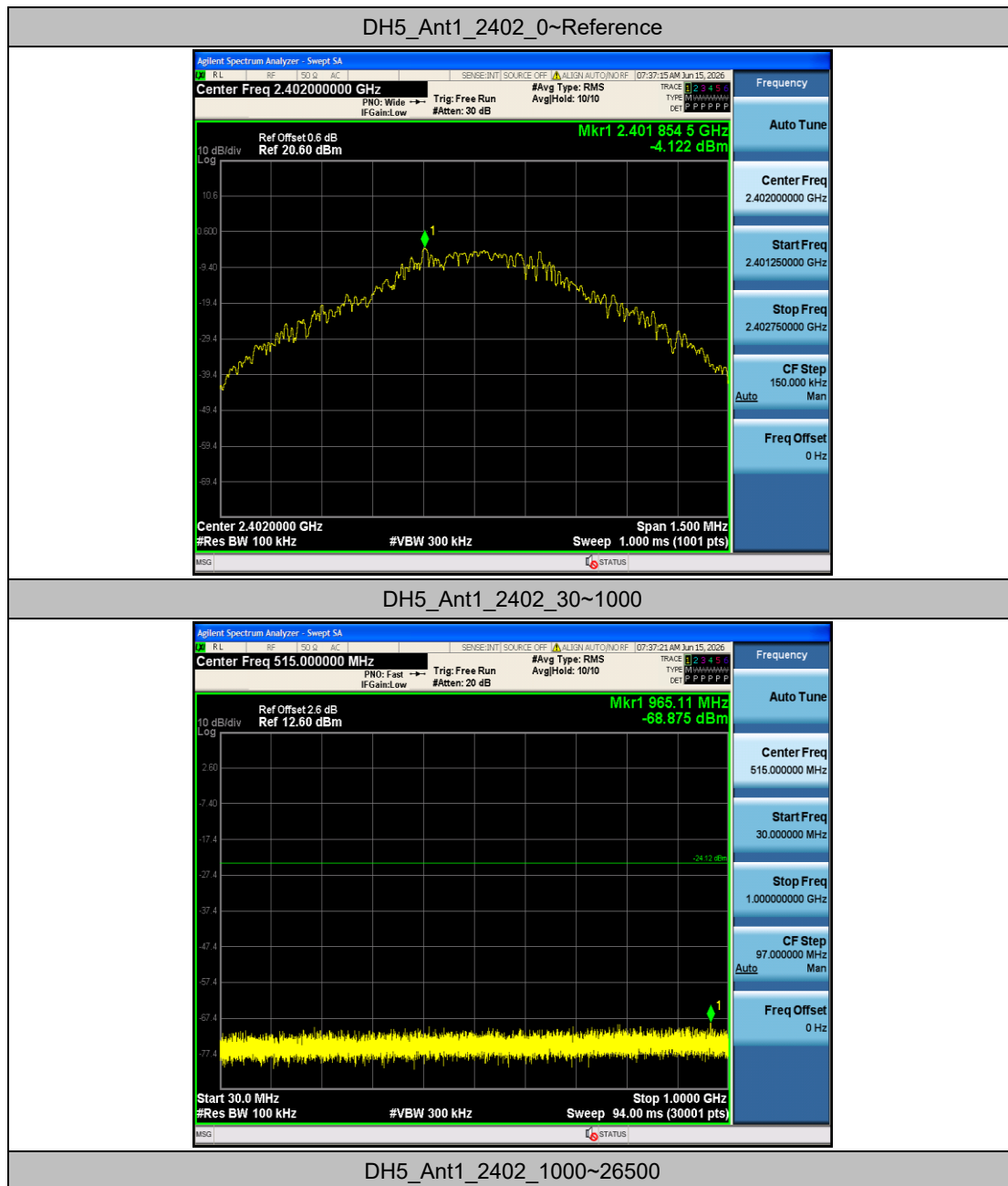


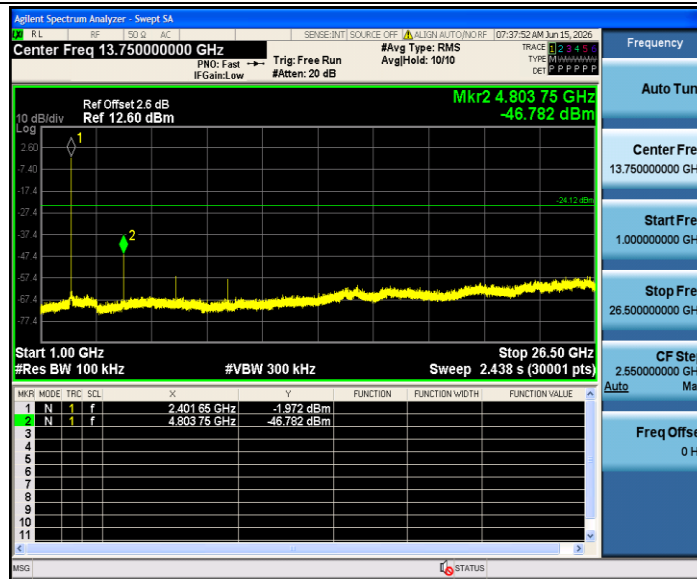
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.12	-4.12	---	PASS
			30~1000	-4.12	-68.88	≤-24.12	PASS
			1000~26500	-4.12	-46.78	≤-24.12	PASS
		2441	Reference	-4.57	-4.57	---	PASS
			30~1000	-4.57	-68.73	≤-24.57	PASS
			1000~26500	-4.57	-47.12	≤-24.57	PASS
		2480	Reference	-3.73	-3.73	---	PASS
			30~1000	-3.73	-68.19	≤-23.73	PASS
			1000~26500	-3.73	-45.52	≤-23.73	PASS
2DH5	Ant1	2402	Reference	-7.09	-7.09	---	PASS
			30~1000	-7.09	-68.43	≤-27.09	PASS
			1000~26500	-7.09	-48.07	≤-27.09	PASS
		2441	Reference	-5.73	-5.73	---	PASS
			30~1000	-5.73	-68.26	≤-25.73	PASS
			1000~26500	-5.73	-46.24	≤-25.73	PASS
		2480	Reference	-4.96	-4.96	---	PASS
			30~1000	-4.96	-68.21	≤-24.96	PASS
			1000~26500	-4.96	-46.76	≤-24.96	PASS
3DH5	Ant1	2402	Reference	-5.04	-5.04	---	PASS
			30~1000	-5.04	-68.28	≤-25.04	PASS
			1000~26500	-5.04	-47.6	≤-25.04	PASS
		2441	Reference	-5.31	-5.31	---	PASS
			30~1000	-5.31	-68.72	≤-25.31	PASS
			1000~26500	-5.31	-50.02	≤-25.31	PASS
		2480	Reference	-4.01	-4.01	---	PASS
			30~1000	-4.01	-67.48	≤-24.01	PASS
			1000~26500	-4.01	-48.61	≤-24.01	PASS

Test Graphs

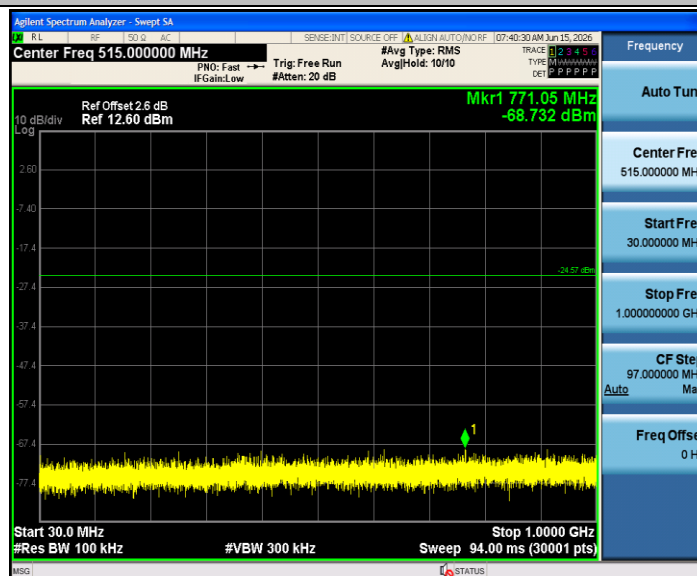




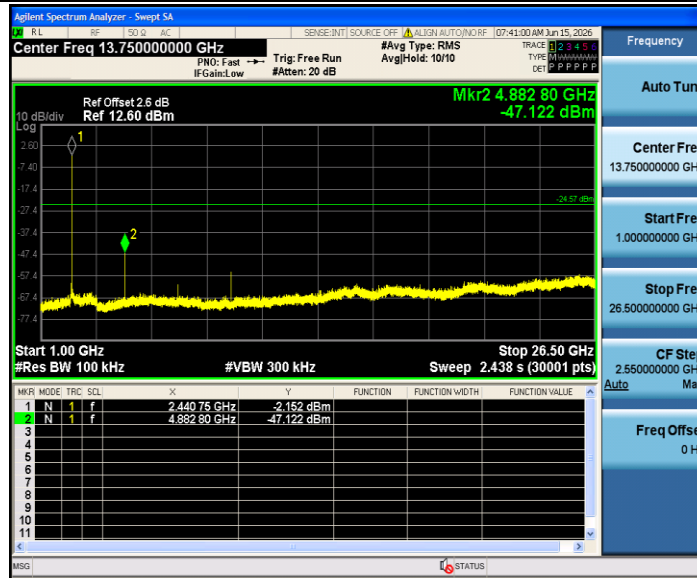
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



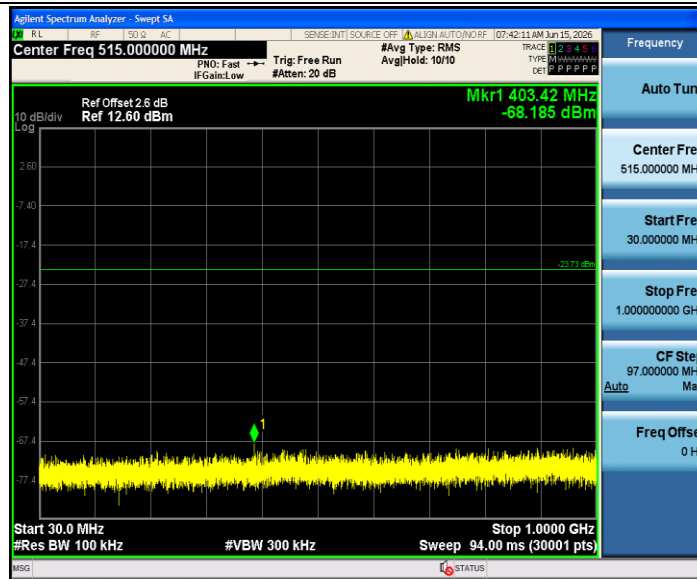
DH5_Ant1_2441_1000~26500



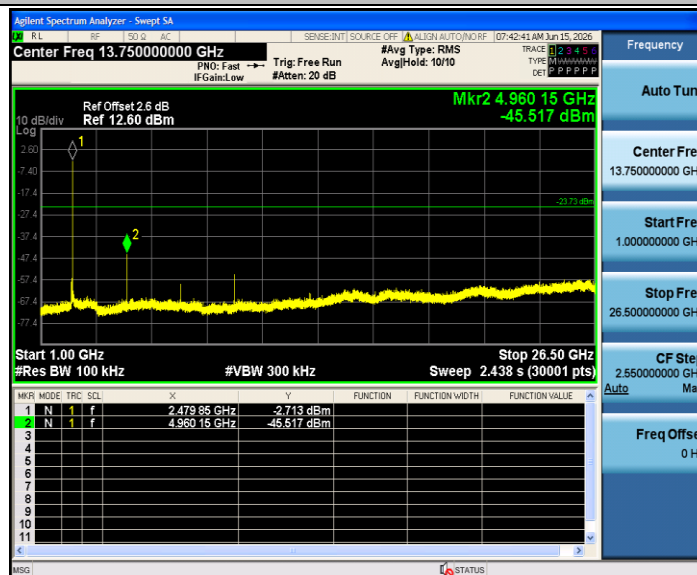
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

