

FCC Appendix RF Test Data for BT

FCC ID : 2AJU8-RG556

Company : Shenzhen Yangliming Electronic Technology Co., Ltd.

EUT : Handheld Game Console

Model Number : RG 556

Report No. : CTA26060901201

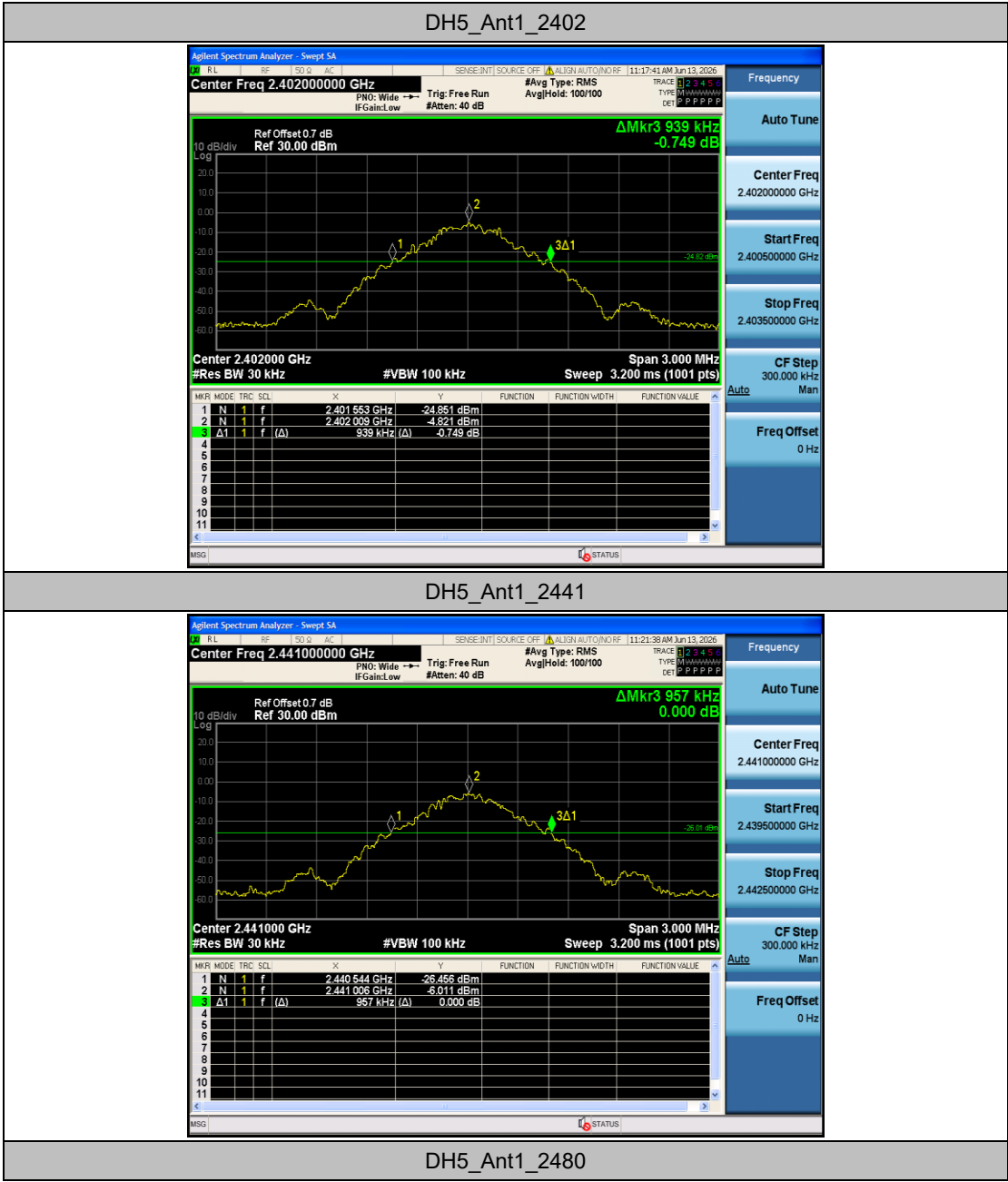
Reviewed By : Eric Wang

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	2401.553	2402.492	---	---
		2441	0.957	2440.544	2441.501	---	---
		2480	0.945	2479.550	2480.495	---	---
2DH5	Ant1	2402	1.329	2401.340	2402.669	---	---
		2441	1.326	2440.343	2441.669	---	---
		2480	1.332	2479.343	2480.675	---	---
3DH5	Ant1	2402	1.317	2401.355	2402.672	---	---
		2441	1.314	2440.355	2441.669	---	---
		2480	1.314	2479.361	2480.675	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

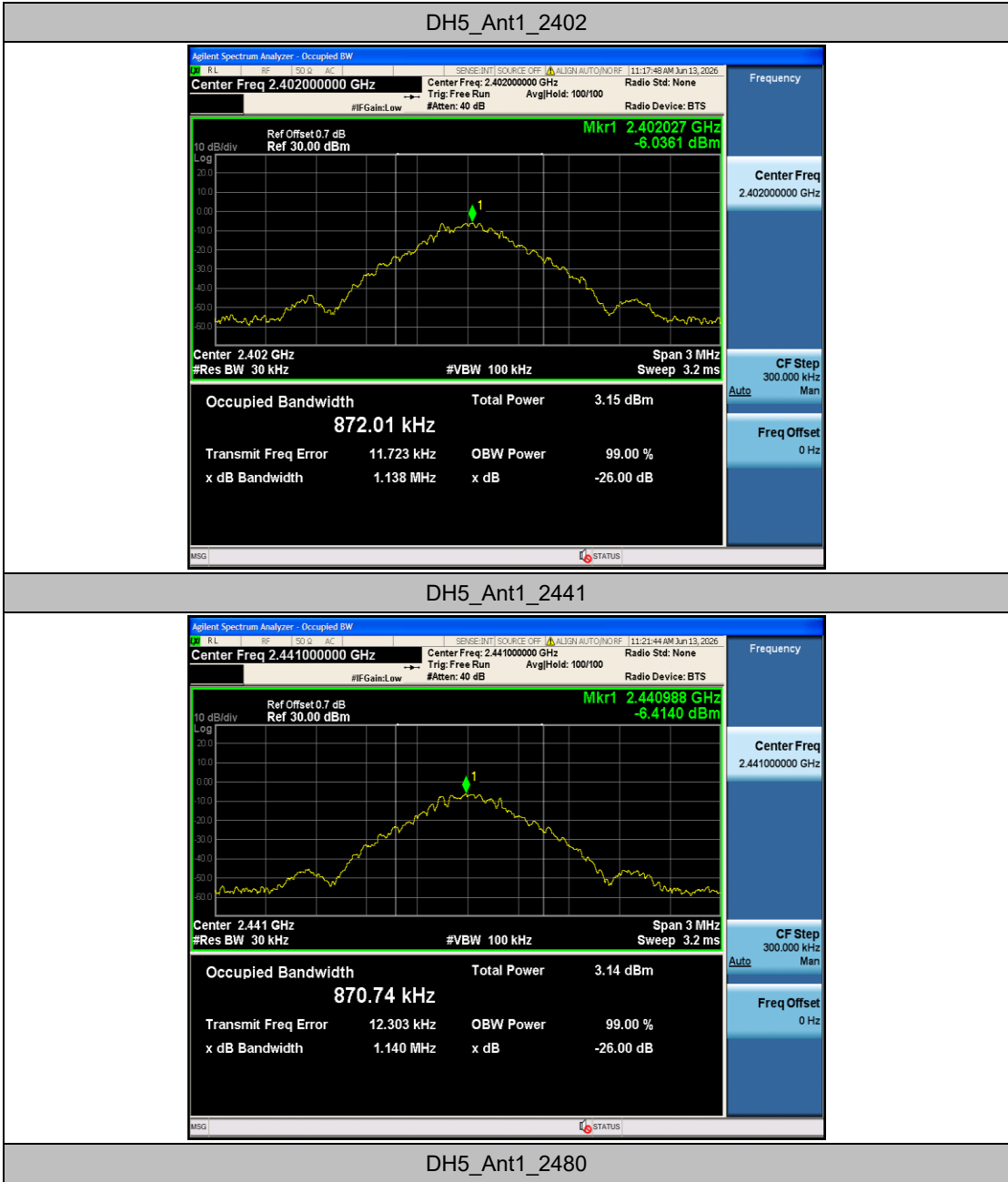


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87201	2401.5757	2402.4477	---	---
		2441	0.87074	2440.5769	2441.4477	---	---
		2480	0.84966	2479.5846	2480.4342	---	---
2DH5	Ant1	2402	1.1904	2401.4145	2402.6049	---	---
		2441	1.1837	2440.4189	2441.6026	---	---
		2480	1.1862	2479.4176	2480.6038	---	---
3DH5	Ant1	2402	1.1886	2401.4172	2402.6058	---	---
		2441	1.1792	2440.4243	2441.6035	---	---
		2480	1.1790	2479.4255	2480.6045	---	---

Test Graphs

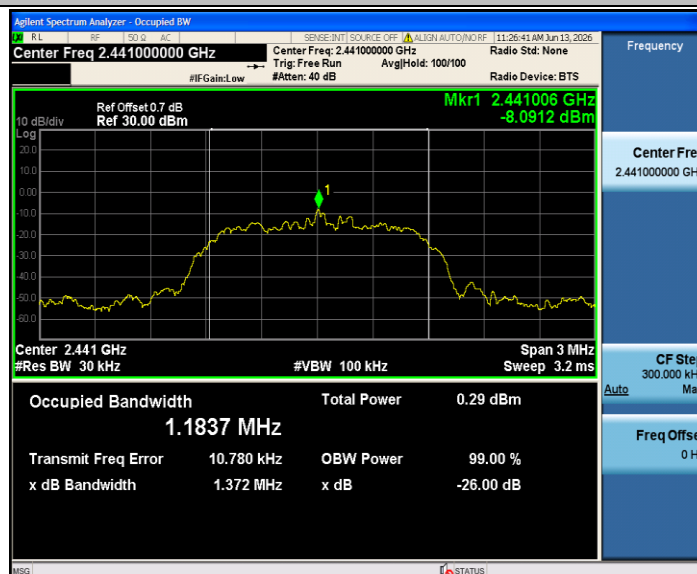




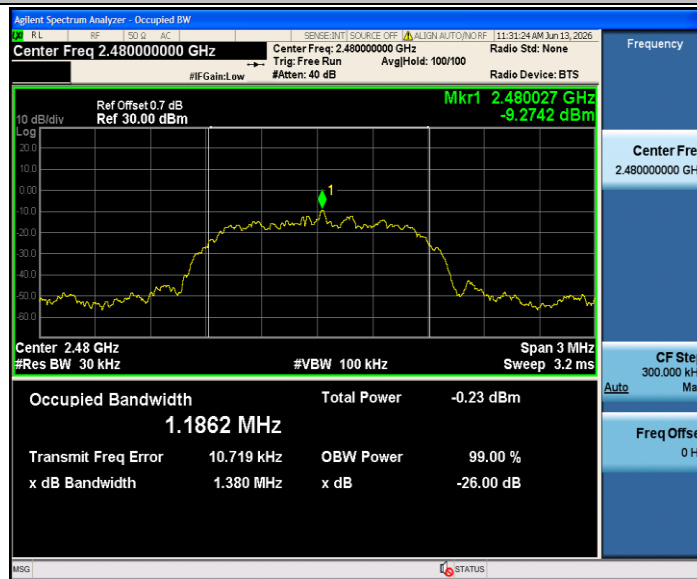
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

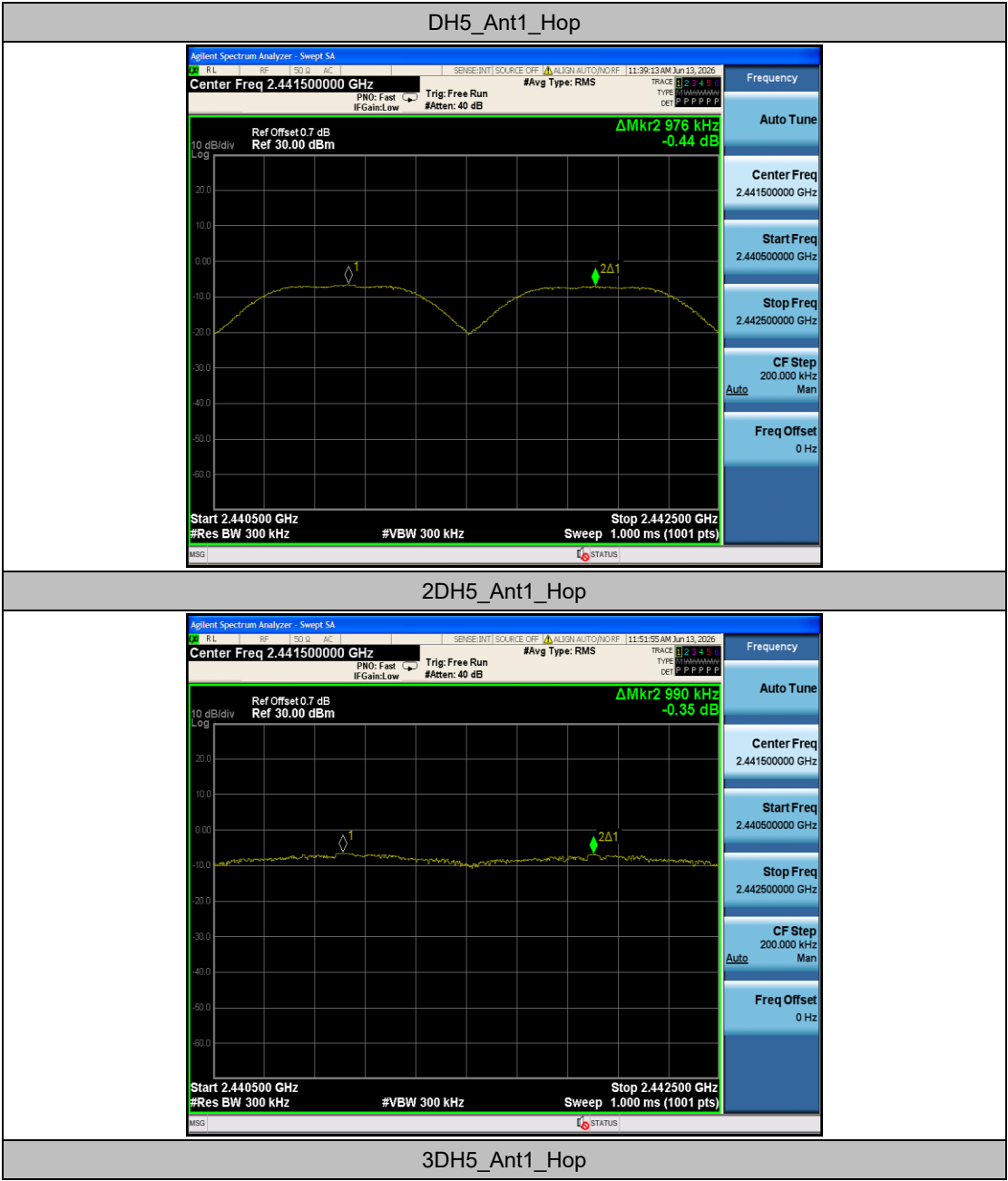
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.11	≤20.97	PASS
		2441	-3.13	≤20.97	PASS
		2480	-3.39	≤20.97	PASS
2DH5	Ant1	2402	-3.91	≤20.97	PASS
		2441	-3.97	≤20.97	PASS
		2480	-4.16	≤20.97	PASS
3DH5	Ant1	2402	-3.66	≤20.97	PASS
		2441	-3.71	≤20.97	PASS
		2480	-3.89	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.976	≥ 0.957	PASS
2DH5	Ant1	Hop	0.99	≥ 0.888	PASS
3DH5	Ant1	Hop	0.97	≥ 0.878	PASS

Test Graphs



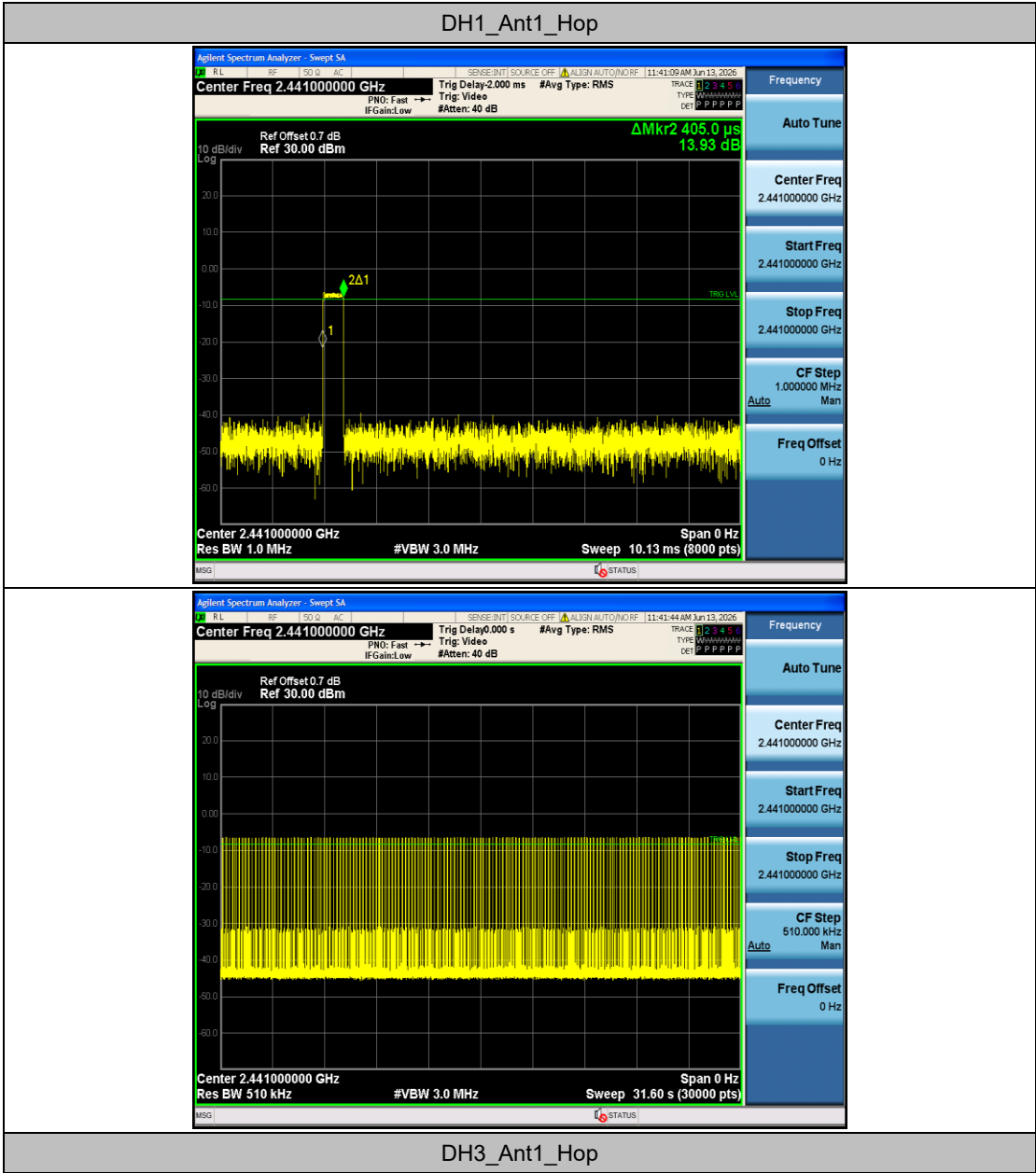


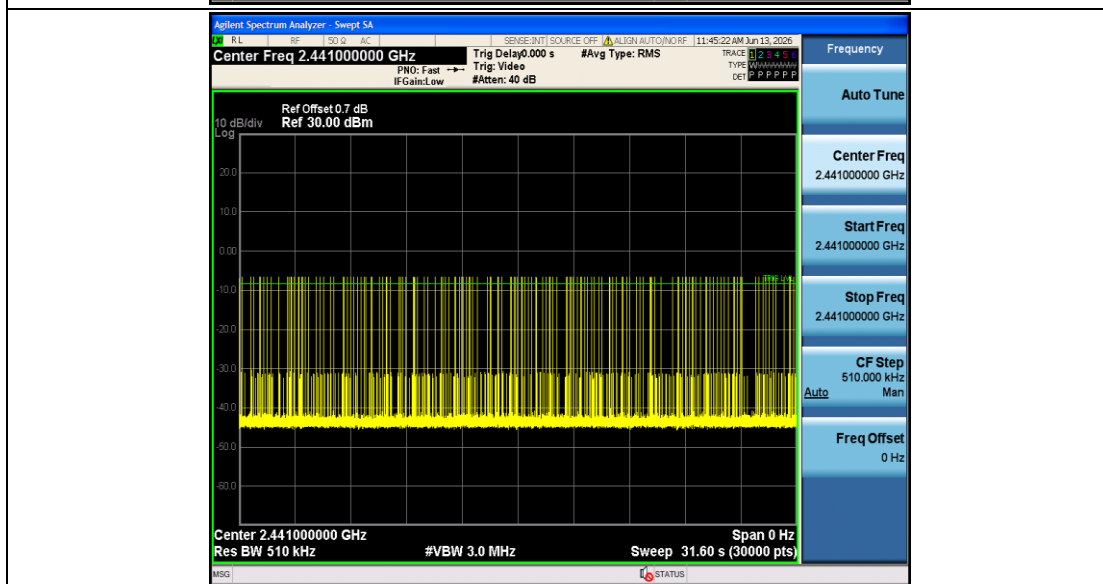
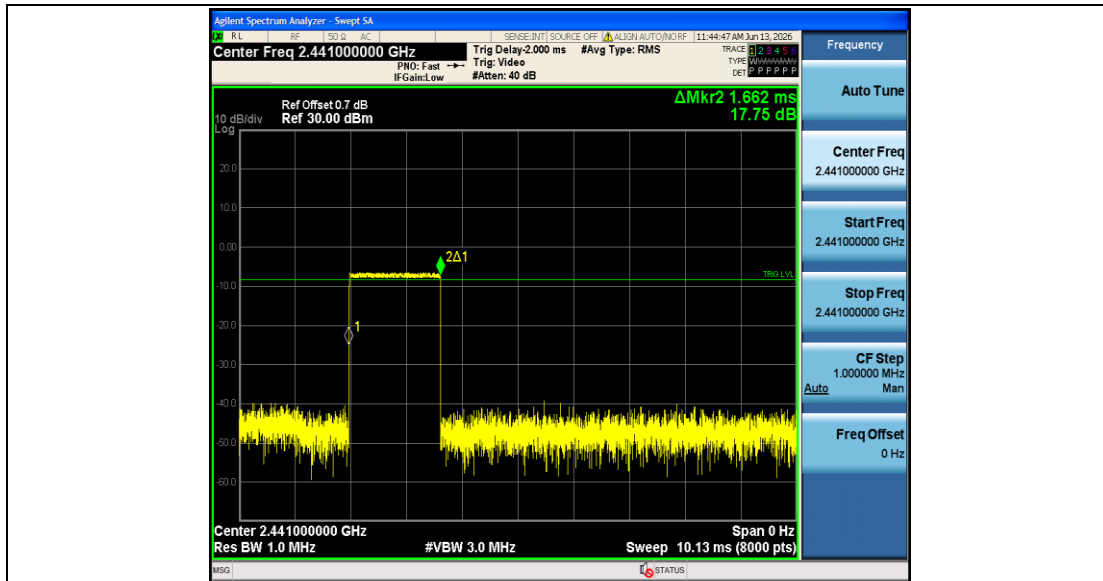
Appendix E: Time of occupancy

Test Result

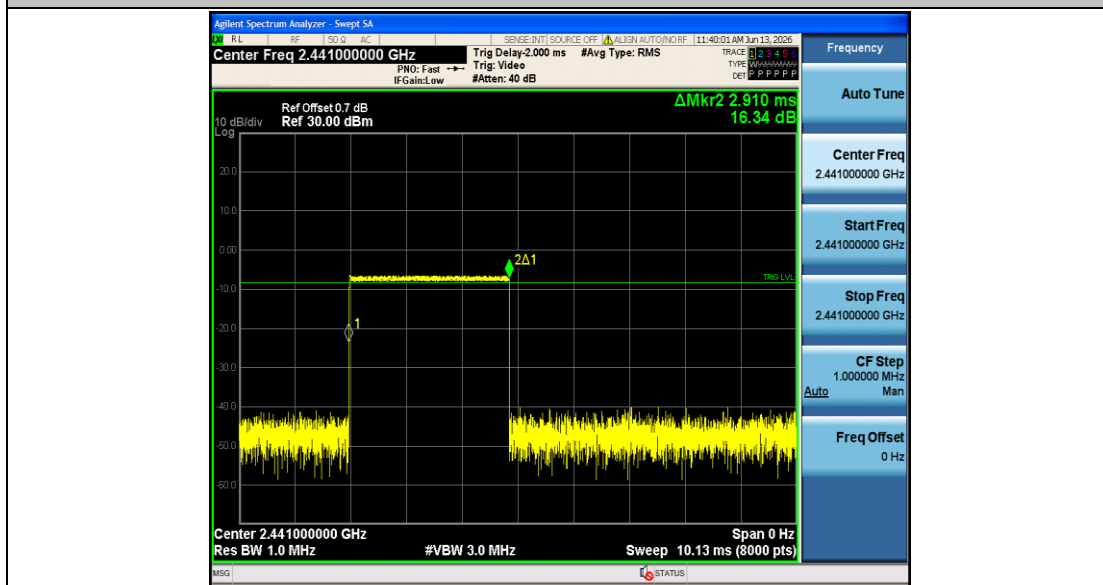
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	314	0.127	≤0.4	PASS
DH3	Ant1	Hop	1.662	155	0.258	≤0.4	PASS
DH5	Ant1	Hop	2.910	104	0.303	≤0.4	PASS
2DH1	Ant1	Hop	0.415	317	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.667	160	0.267	≤0.4	PASS
2DH5	Ant1	Hop	2.916	111	0.324	≤0.4	PASS
3DH1	Ant1	Hop	0.415	318	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.667	155	0.258	≤0.4	PASS
3DH5	Ant1	Hop	2.916	109	0.318	≤0.4	PASS

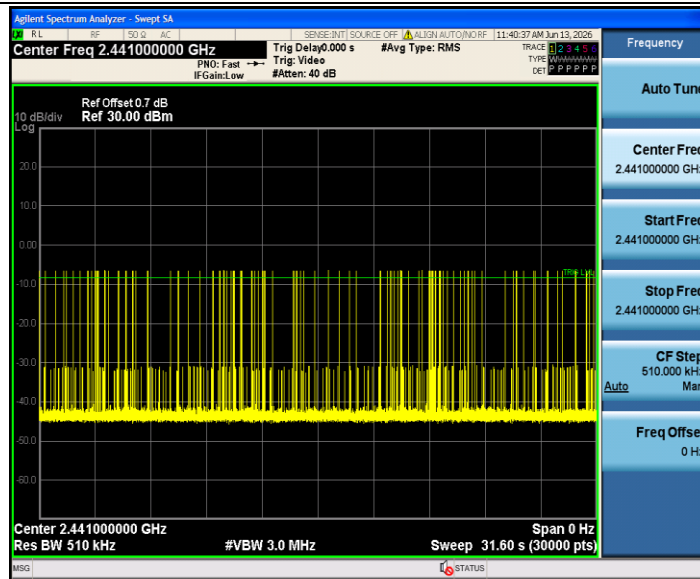
Test Graphs



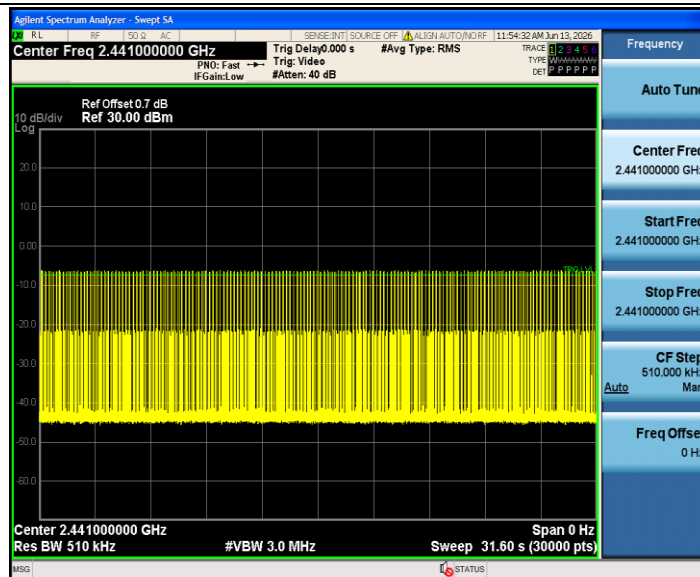
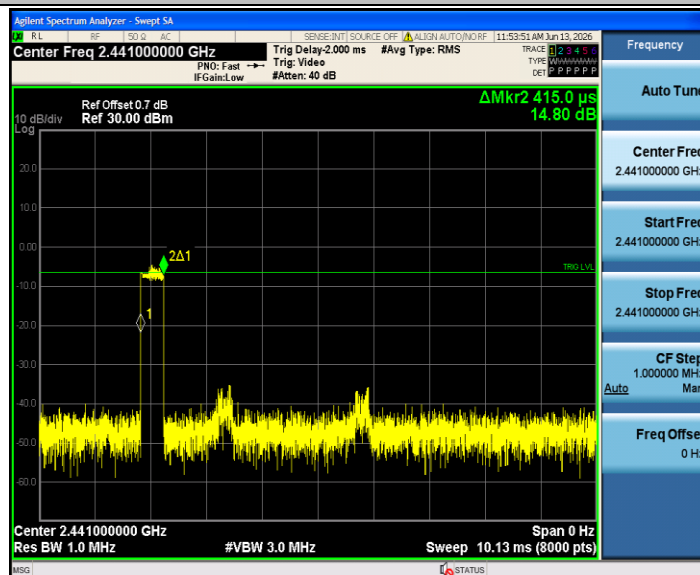


DH5_Ant1_Hop

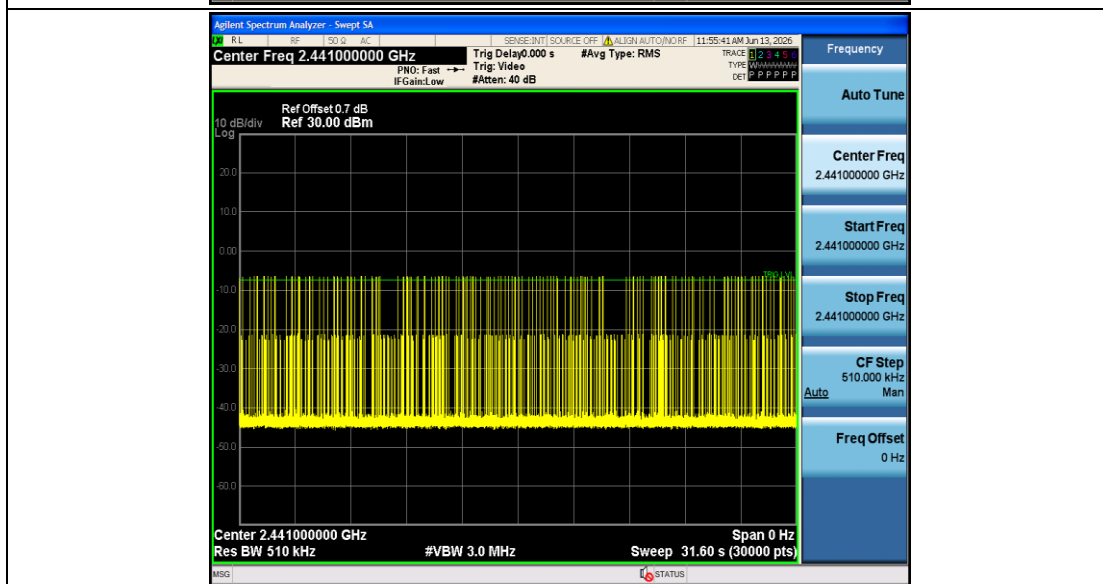
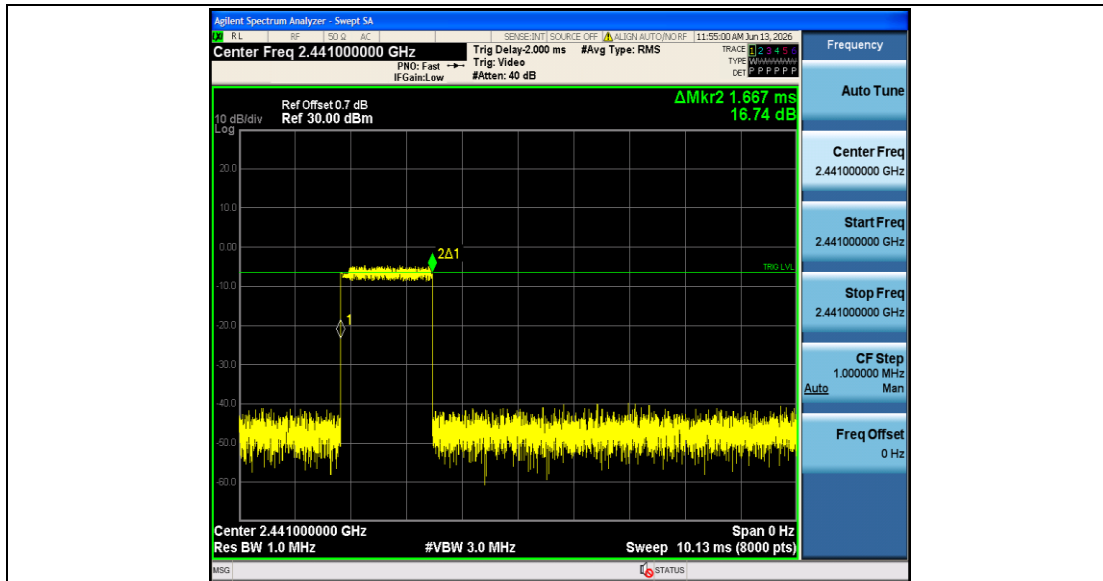




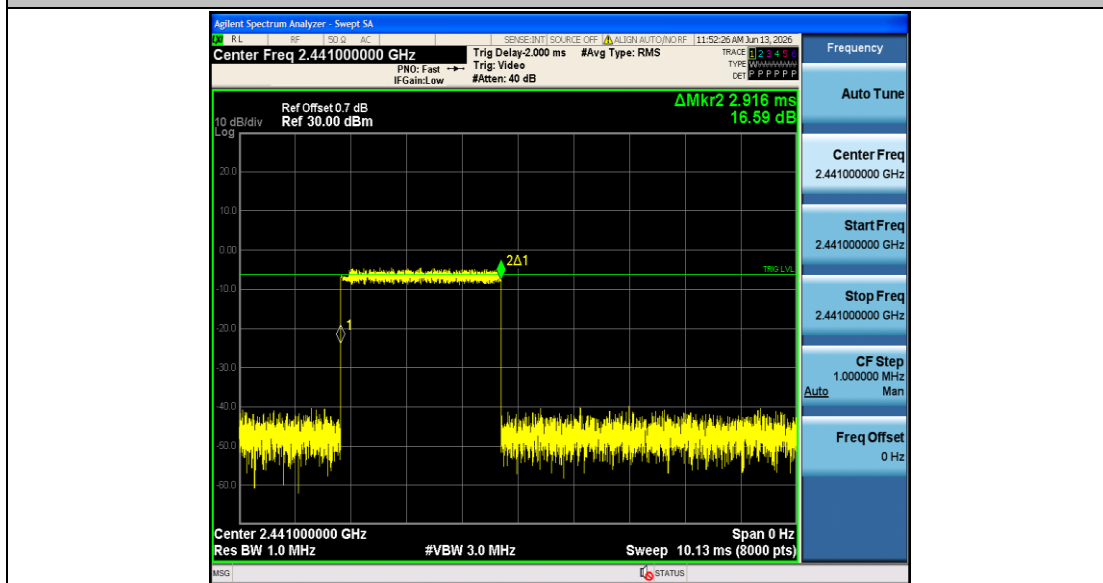
2DH1_Ant1_Hop

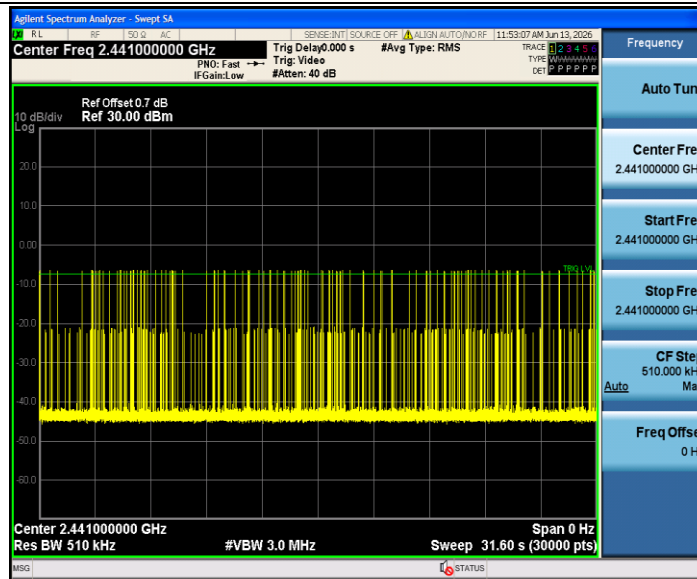


2DH3_Ant1_Hop

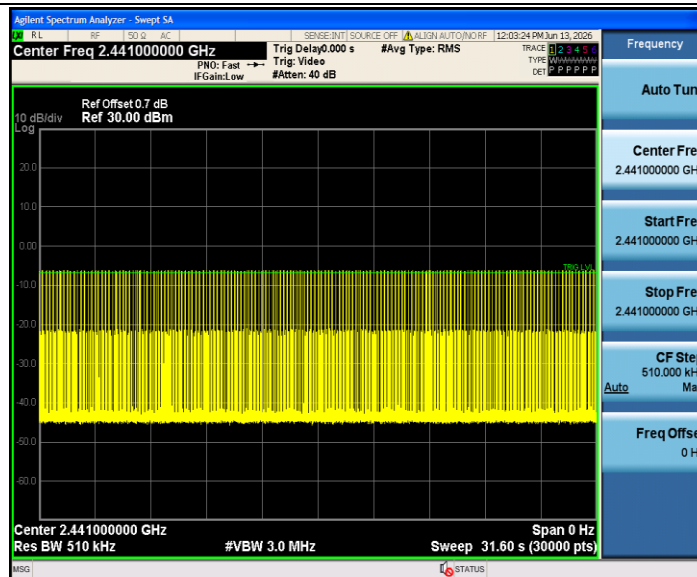
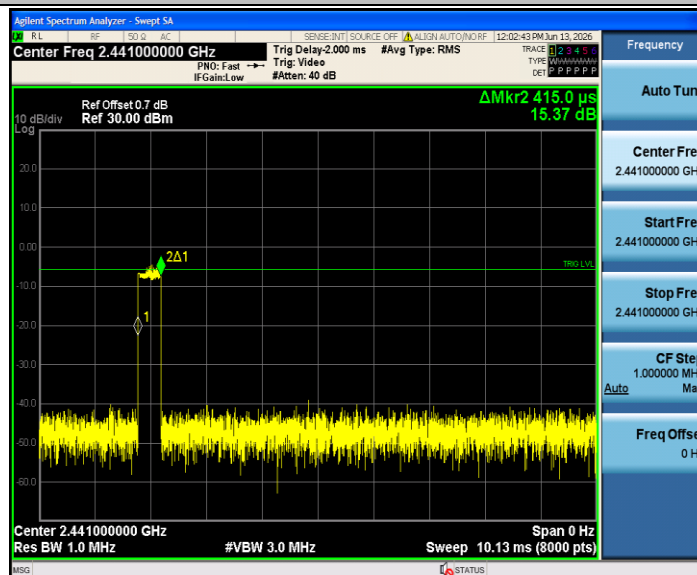


2DH5_Ant1_Hop

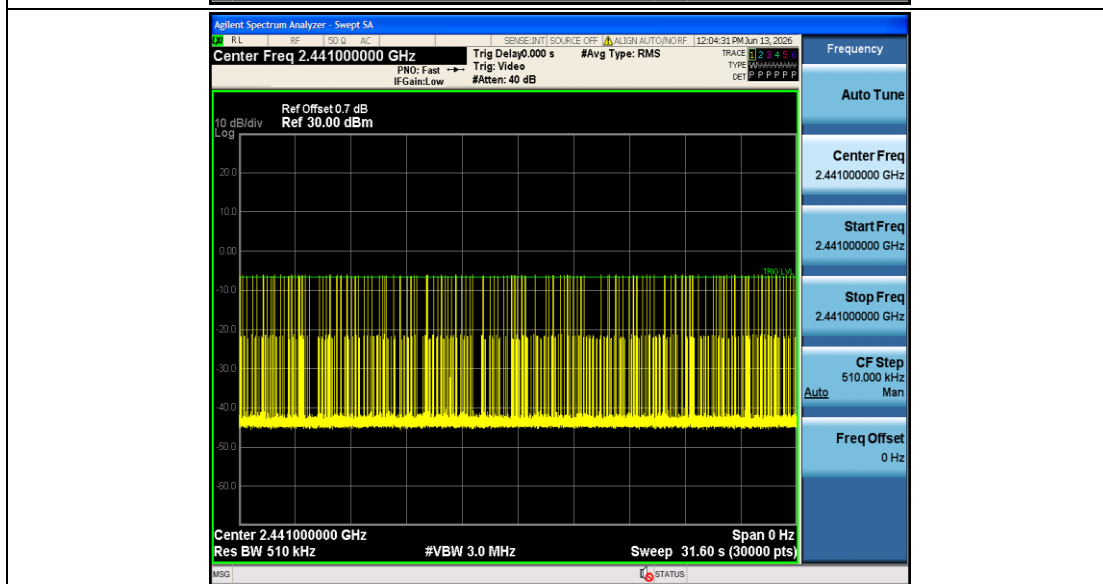
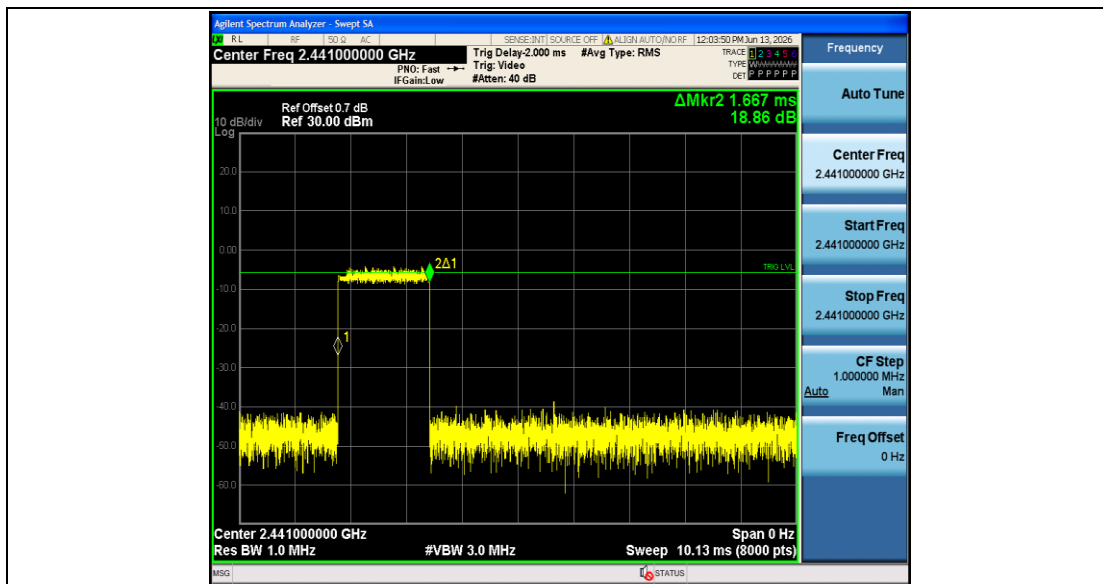




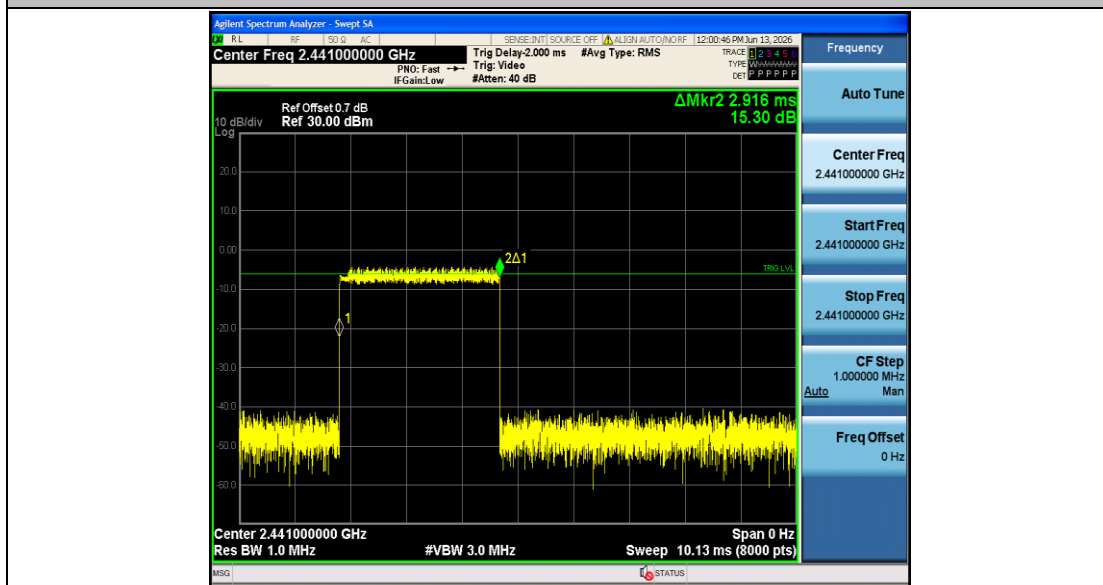
3DH1_Ant1_Hop

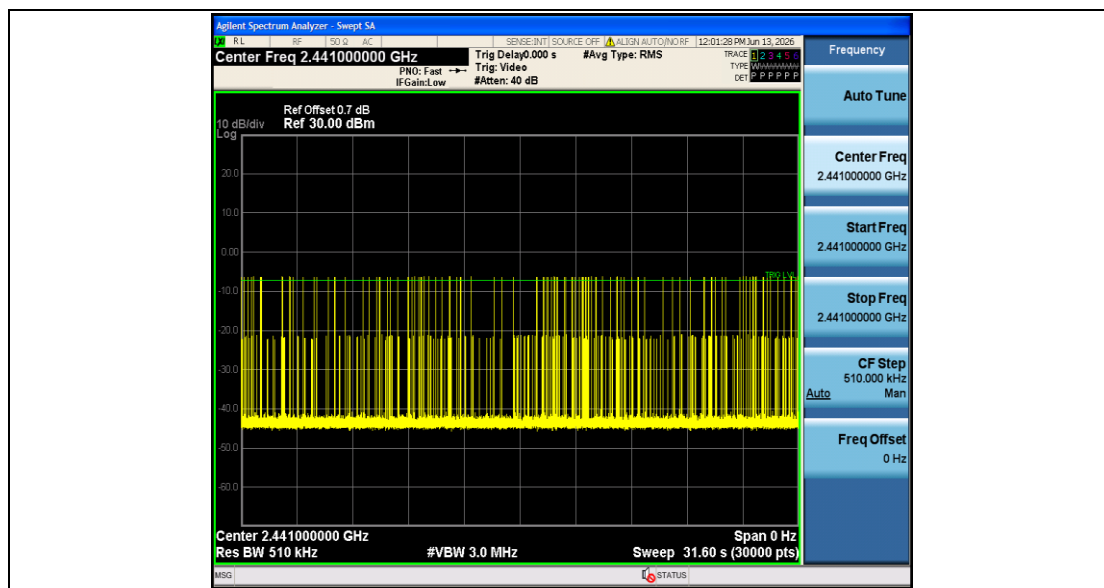


3DH3_Ant1_Hop



3DH5_Ant1_Hop



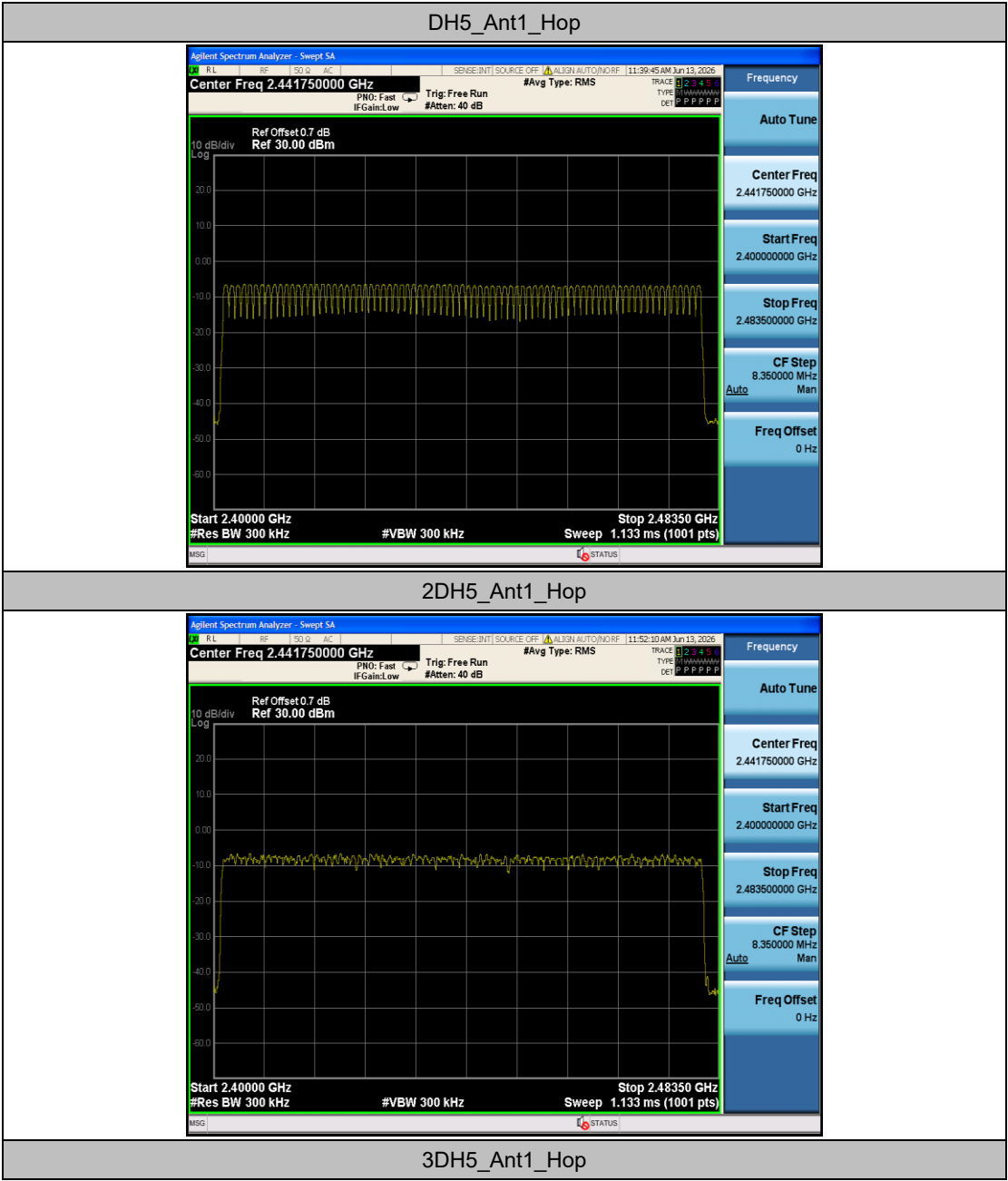


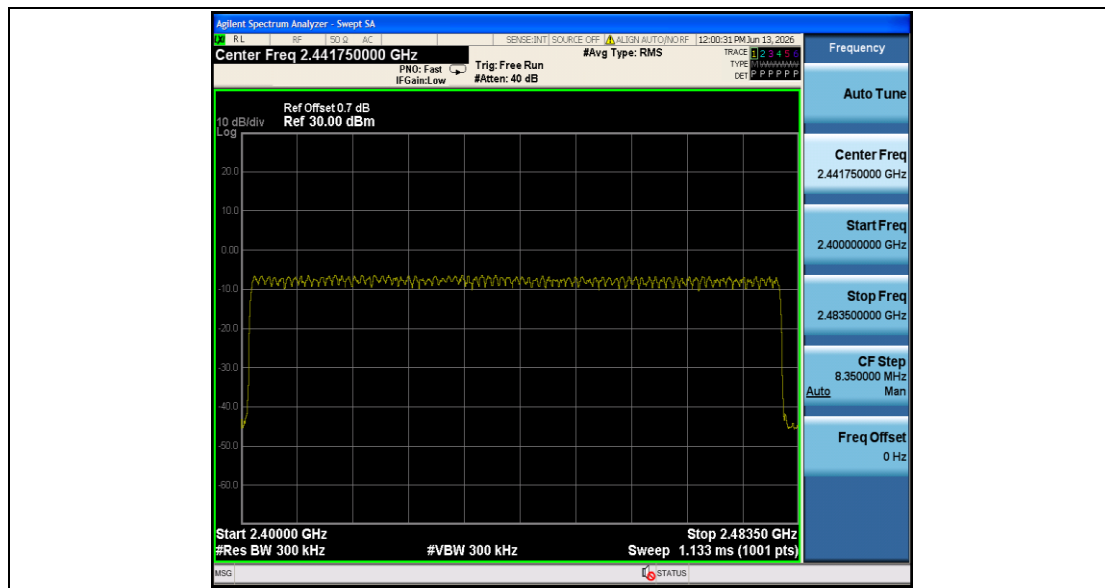
Appendix F: Number of hopping channels

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



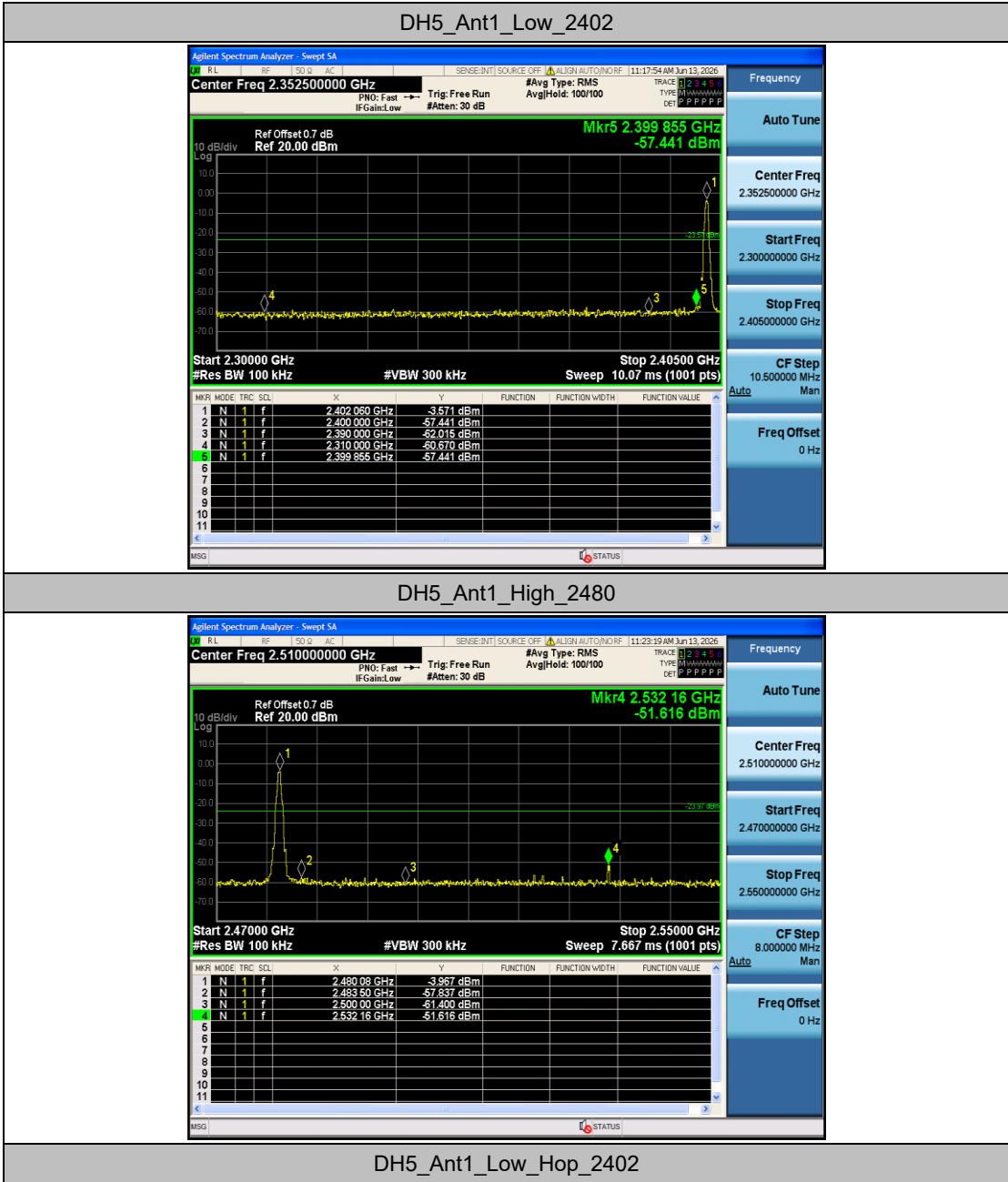


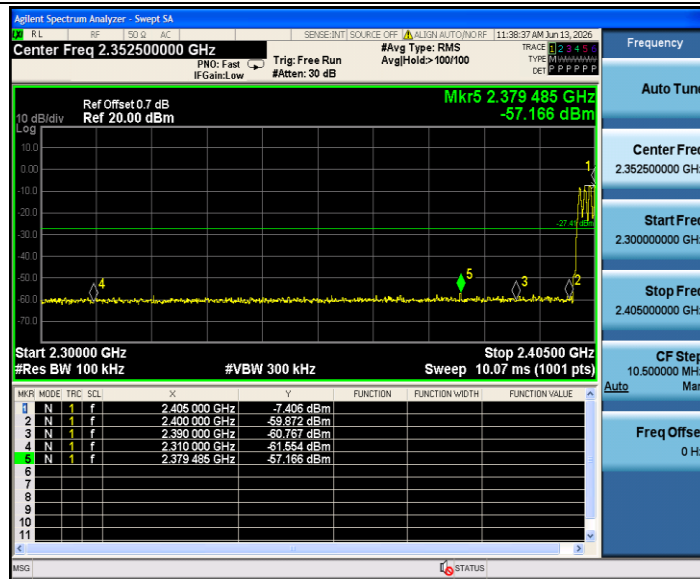
Appendix G: Band edge measurements

Test Result

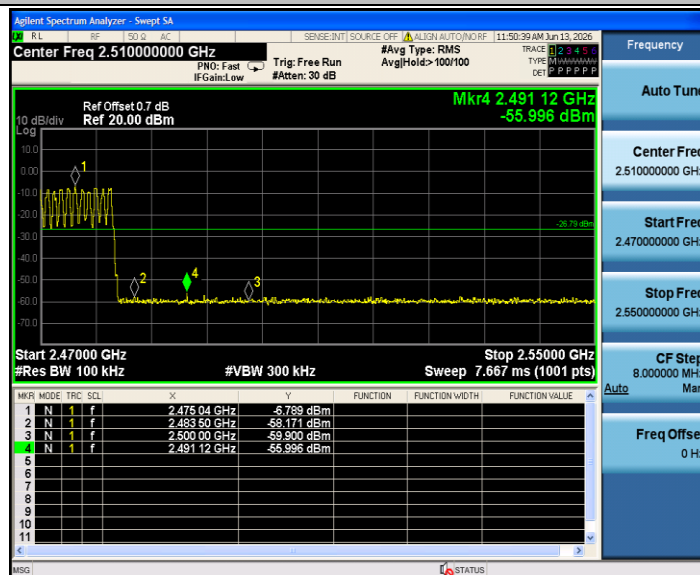
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.57	-57.44	≤-23.57	PASS
		High	2480	-3.97	-51.62	≤-23.97	PASS
		Low	Hop_2402	-7.41	-57.17	≤-27.41	PASS
		High	Hop_2480	-6.79	-56	≤-26.79	PASS
2DH5	Ant1	Low	2402	-6.68	-58.24	≤-26.68	PASS
		High	2480	-7.75	-56.88	≤-27.75	PASS
		Low	Hop_2402	-9.31	-58.04	≤-29.31	PASS
		High	Hop_2480	-7.57	-57.4	≤-27.57	PASS
3DH5	Ant1	Low	2402	-7.09	-58.14	≤-27.09	PASS
		High	2480	-7.40	-57.72	≤-27.4	PASS
		Low	Hop_2402	-10.07	-58.3	≤-30.07	PASS
		High	Hop_2480	-6.77	-57.57	≤-26.77	PASS

Test Graphs

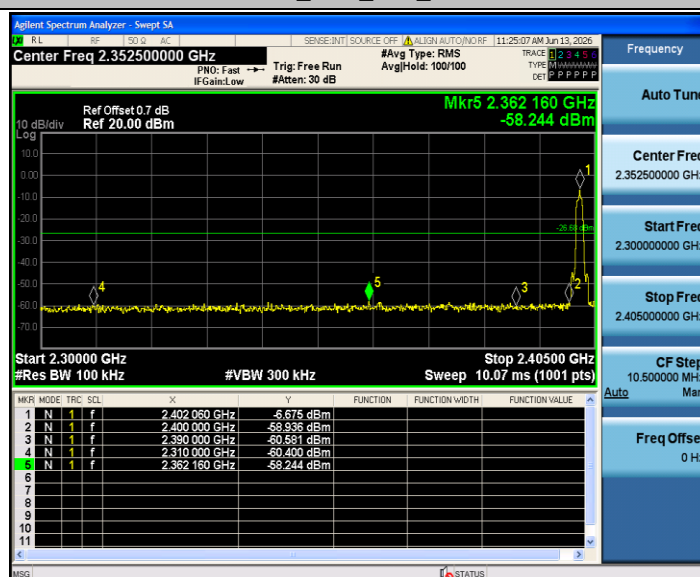




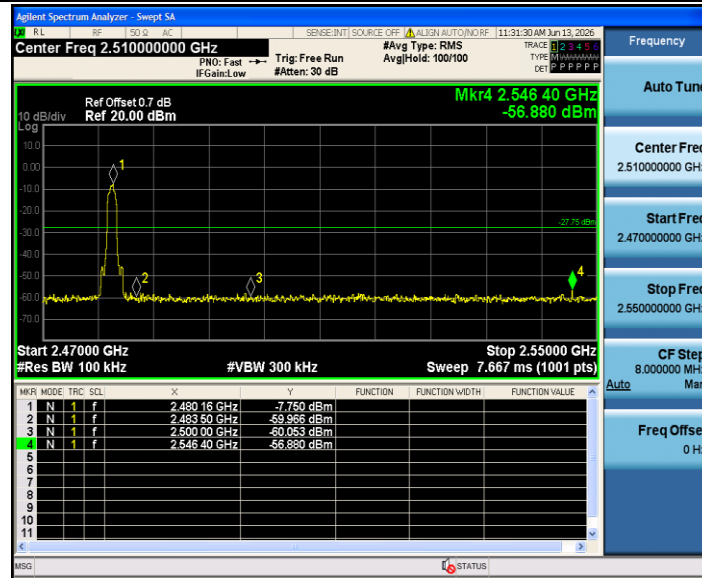
DH5_Ant1_High_Hop_2480



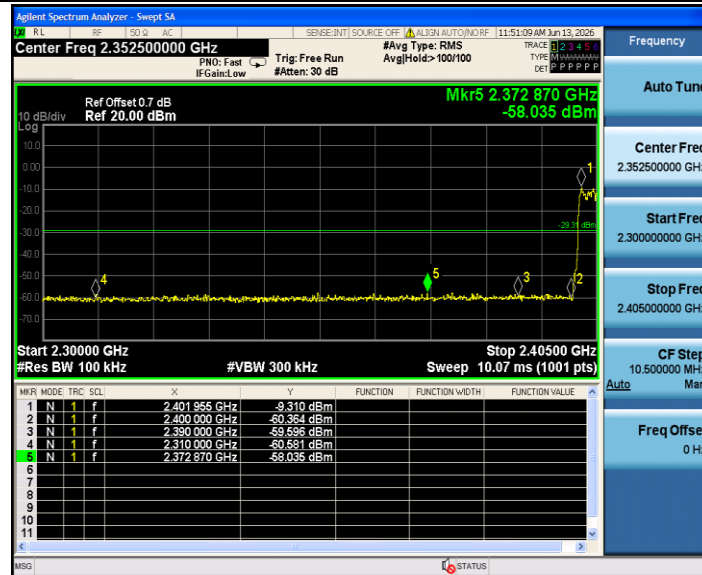
2DH5_Ant1_Low_2402



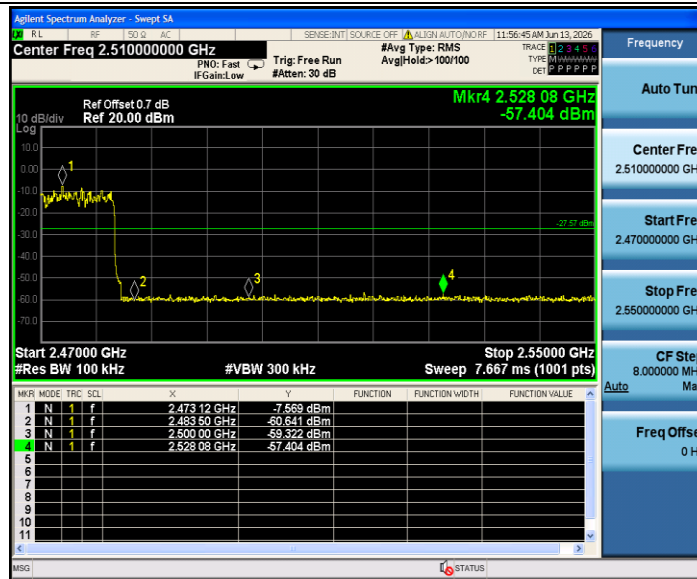
2DH5_Ant1_High_2480



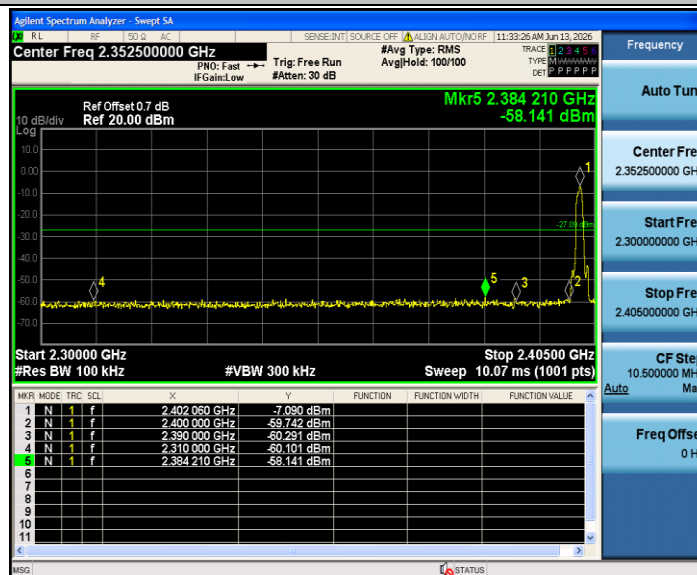
2DH5_Ant1_Low_Hop_2402



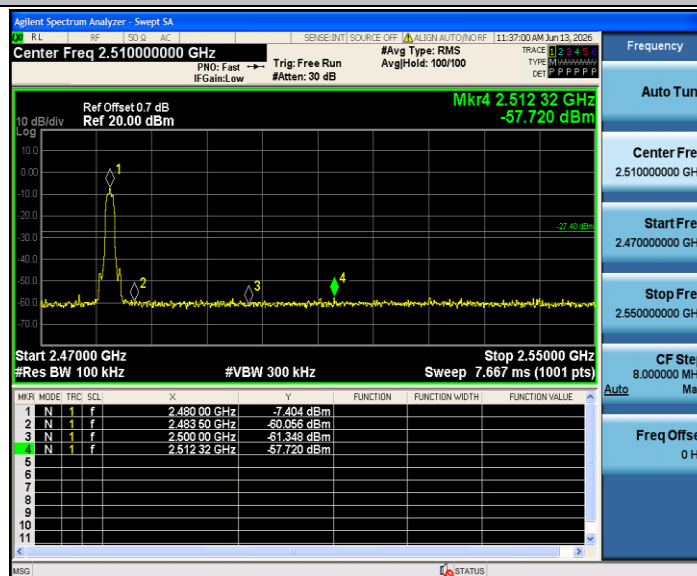
2DH5_Ant1_High_Hop_2480



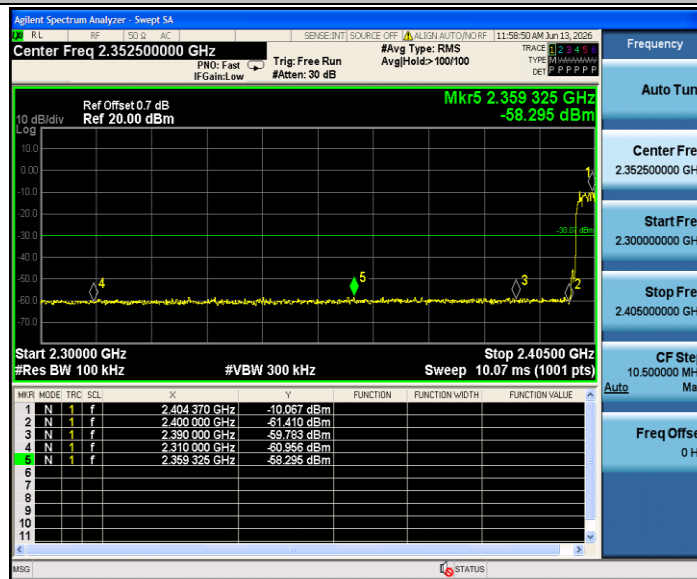
3DH5_Ant1_Low_2402



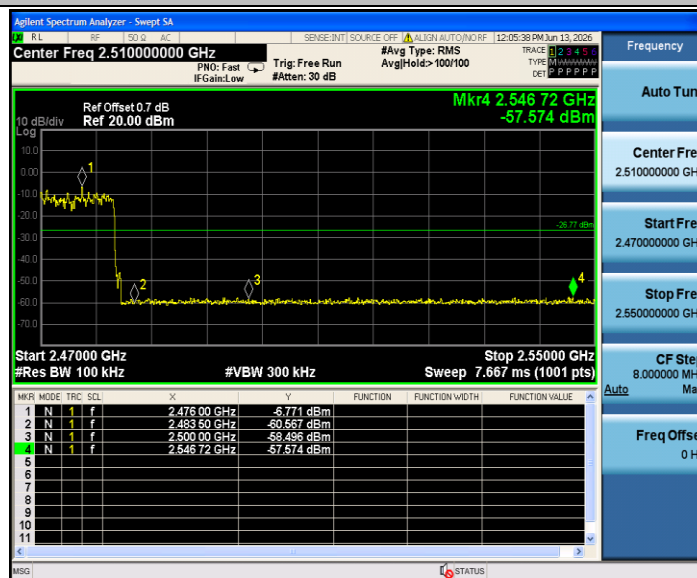
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

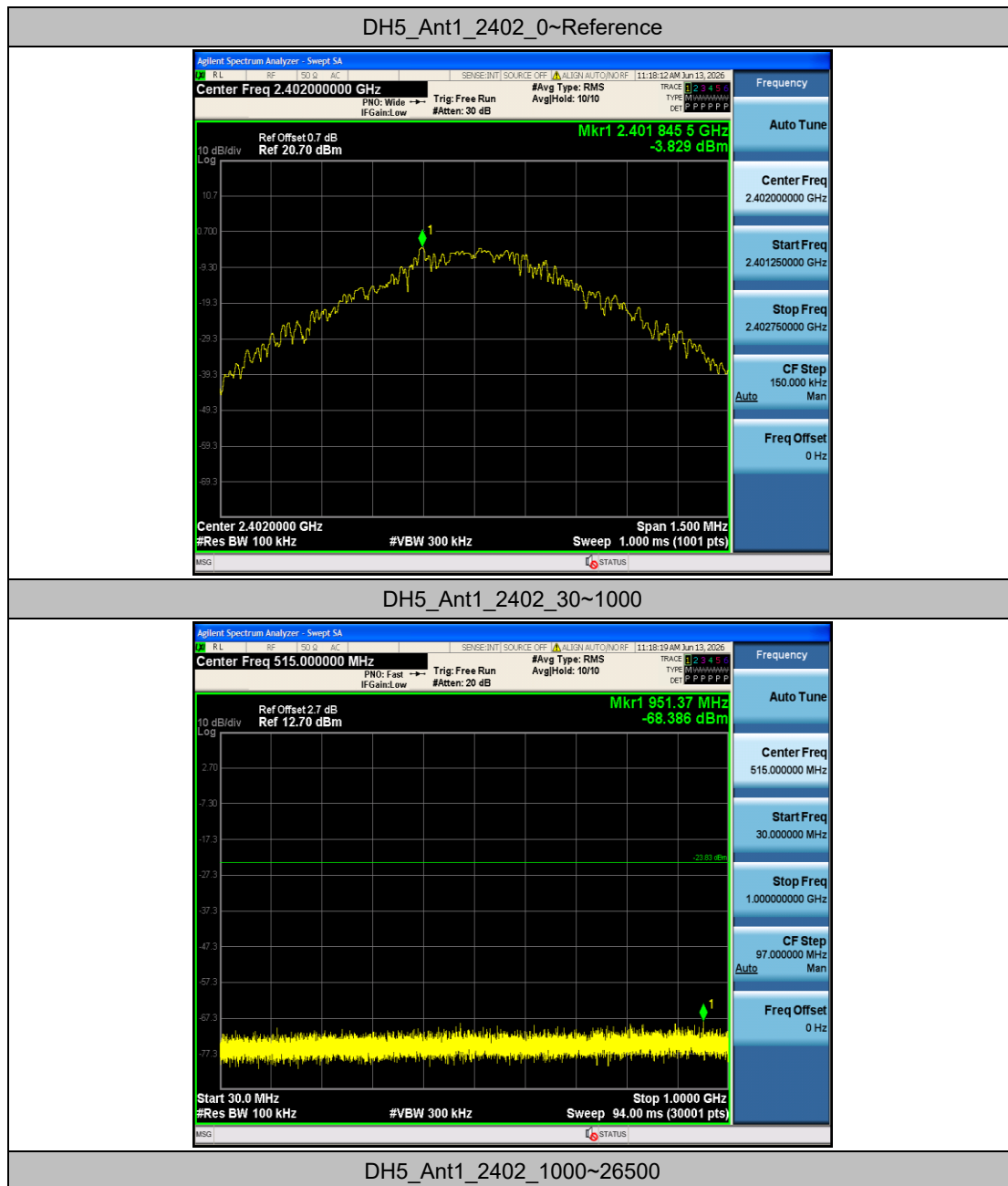


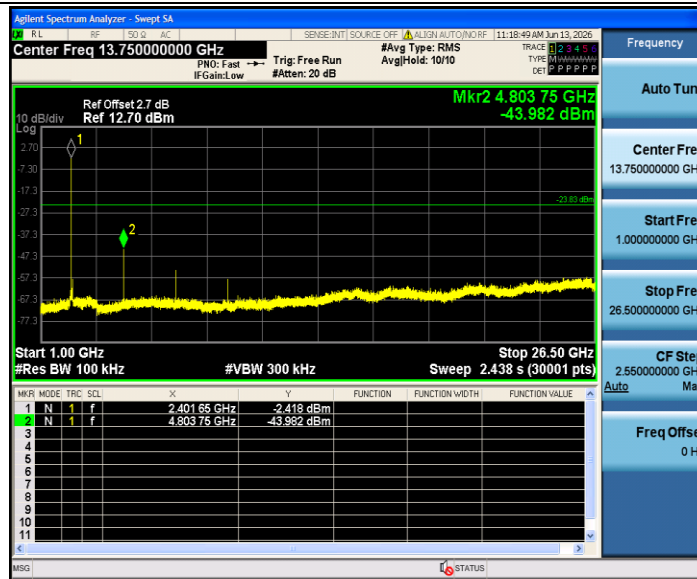
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-3.83	-3.83	---	PASS
			30~1000	-3.83	-68.39	≤-23.83	PASS
			1000~26500	-3.83	-43.98	≤-23.83	PASS
		2441	Reference	-3.85	-3.85	---	PASS
			30~1000	-3.85	-68.04	≤-23.85	PASS
			1000~26500	-3.85	-45.73	≤-23.85	PASS
		2480	Reference	-4.74	-4.74	---	PASS
			30~1000	-4.74	-68.89	≤-24.74	PASS
			1000~26500	-4.74	-45.38	≤-24.74	PASS
2DH5	Ant1	2402	Reference	-6.61	-6.61	---	PASS
			30~1000	-6.61	-68.43	≤-26.61	PASS
			1000~26500	-6.61	-53.21	≤-26.61	PASS
		2441	Reference	-7.86	-7.86	---	PASS
			30~1000	-7.86	-68.95	≤-27.86	PASS
			1000~26500	-7.86	-53.1	≤-27.86	PASS
		2480	Reference	-7.75	-7.75	---	PASS
			30~1000	-7.75	-68.33	≤-27.75	PASS
			1000~26500	-7.75	-50.73	≤-27.75	PASS
3DH5	Ant1	2402	Reference	-8.64	-8.64	---	PASS
			30~1000	-8.64	-68.95	≤-28.64	PASS
			1000~26500	-8.64	-51.73	≤-28.64	PASS
		2441	Reference	-7.75	-7.75	---	PASS
			30~1000	-7.75	-68.53	≤-27.75	PASS
			1000~26500	-7.75	-50.66	≤-27.75	PASS
		2480	Reference	-9.55	-9.55	---	PASS
			30~1000	-9.55	-69.26	≤-29.55	PASS
			1000~26500	-9.55	-51.77	≤-29.55	PASS

Test Graphs

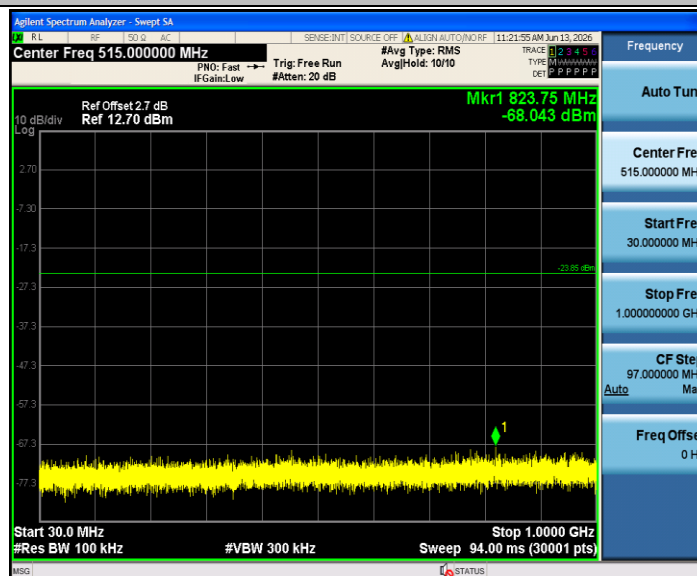




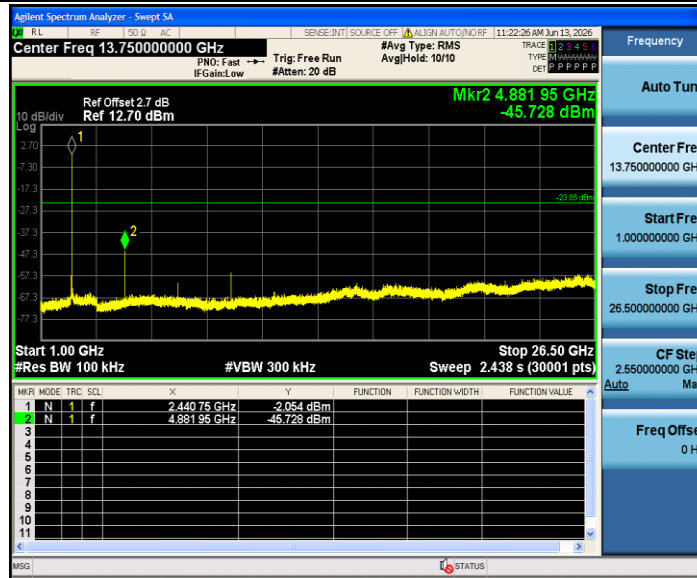
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



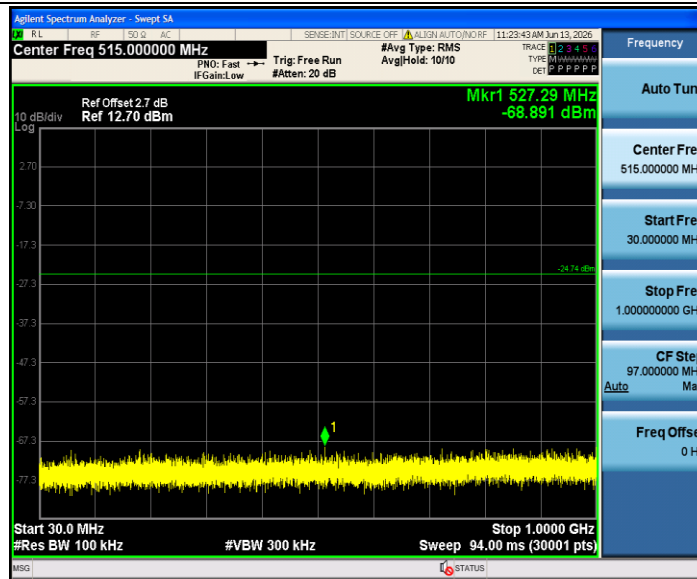
DH5_Ant1_2441_1000~26500



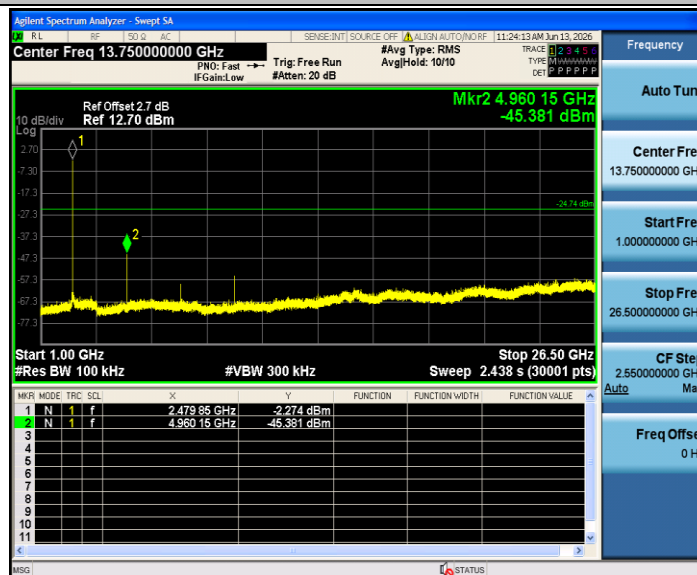
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

