

FCC Appendix RF Test Data for BT

FCC ID : 2A35W-H96MAXV56

Company : Shenzhen Haochuangyi Technology Co.,Ltd.

EUT : H96 Max V56

Model Number : H96 Max V56

Report No. : CTA26061100202

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	0.957	2401.544	2402.501	---	---
		2441	0.948	2440.544	2441.492	---	---
		2480	0.942	2479.553	2480.495	---	---
2DH5	Ant1	2402	1.326	2401.343	2402.669	---	---
		2441	1.332	2440.343	2441.675	---	---
		2480	1.329	2479.343	2480.672	---	---
3DH5	Ant1	2402	1.311	2401.358	2402.669	---	---
		2441	1.296	2440.367	2441.663	---	---
		2480	1.290	2479.367	2480.657	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

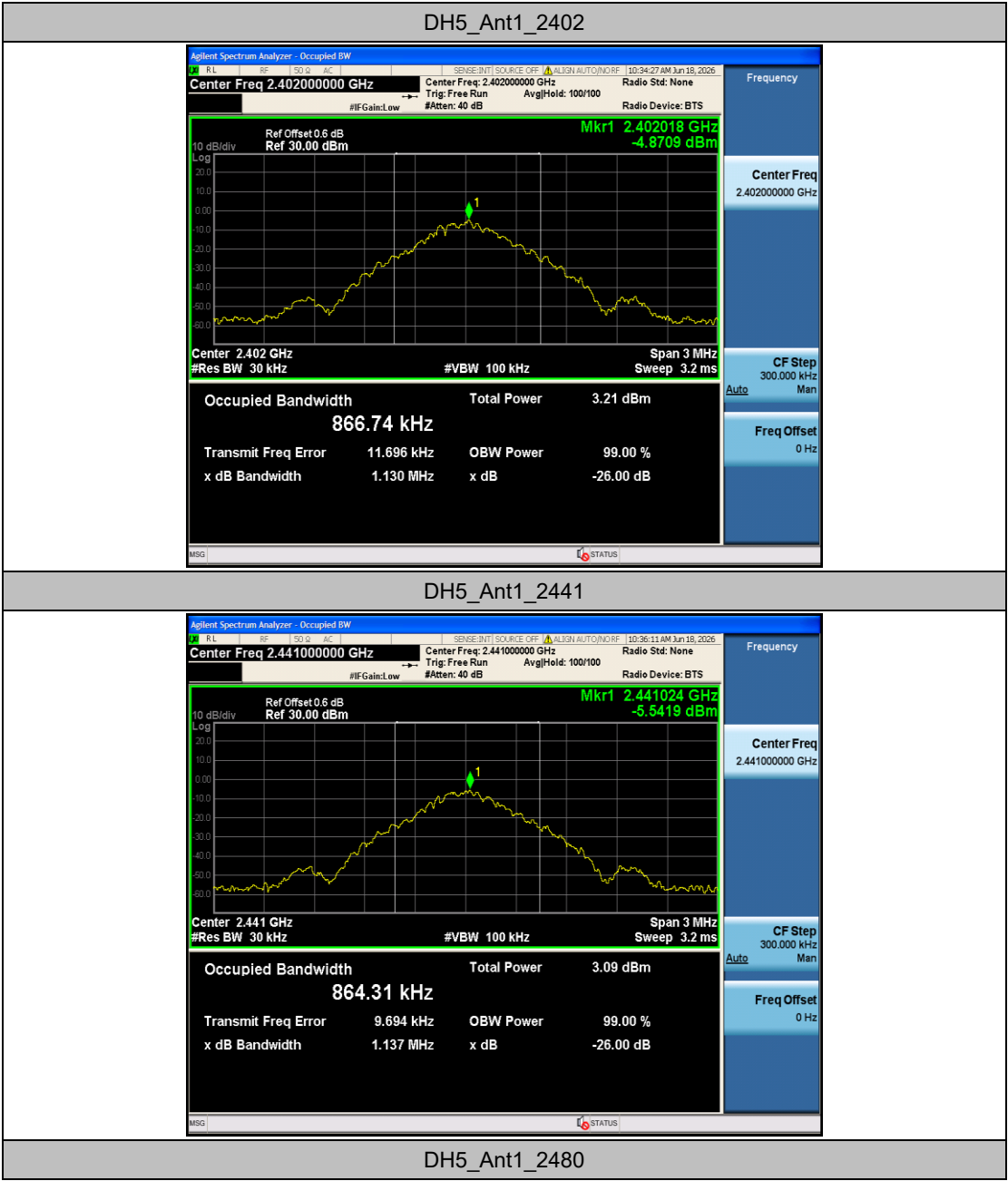


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86674	2401.5783	2402.4451	---	---
		2441	0.86431	2440.5775	2441.4418	---	---
		2480	0.86422	2479.5759	2480.4401	---	---
2DH5	Ant1	2402	1.1855	2401.4184	2402.6039	---	---
		2441	1.1936	2440.4131	2441.6067	---	---
		2480	1.1959	2479.4111	2480.6070	---	---
3DH5	Ant1	2402	1.1862	2401.4202	2402.6064	---	---
		2441	1.1891	2440.4163	2441.6054	---	---
		2480	1.1814	2479.4226	2480.6040	---	---

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

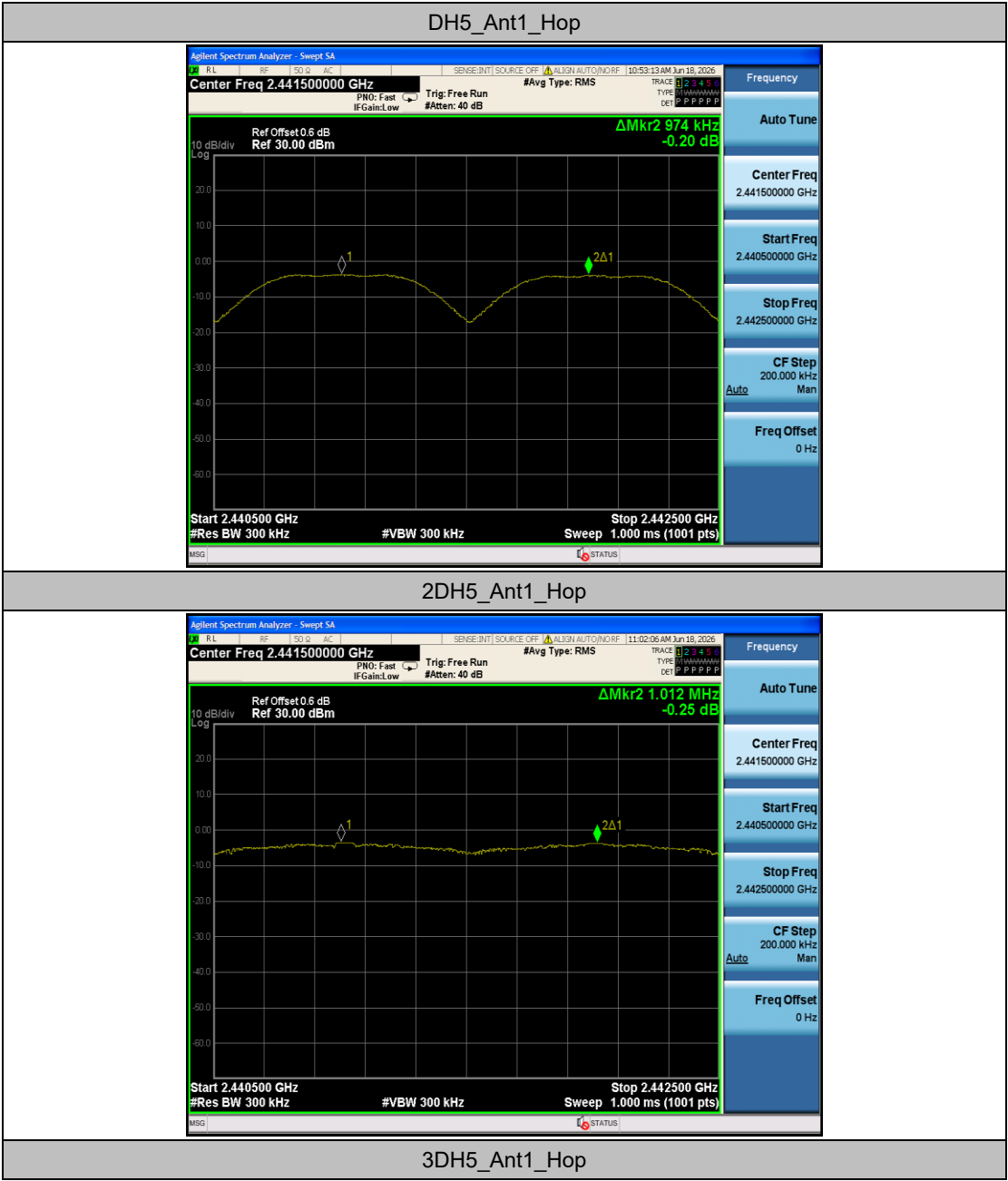
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.31	≤20.97	PASS
		2441	-3.31	≤20.97	PASS
		2480	-3.55	≤20.97	PASS
2DH5	Ant1	2402	-0.59	≤20.97	PASS
		2441	-0.72	≤20.97	PASS
		2480	-0.95	≤20.97	PASS
3DH5	Ant1	2402	-0.20	≤20.97	PASS
		2441	-0.36	≤20.97	PASS
		2480	-0.60	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.974	≥ 0.957	PASS
2DH5	Ant1	Hop	1.012	≥ 0.888	PASS
3DH5	Ant1	Hop	1.054	≥ 0.874	PASS

Test Graphs



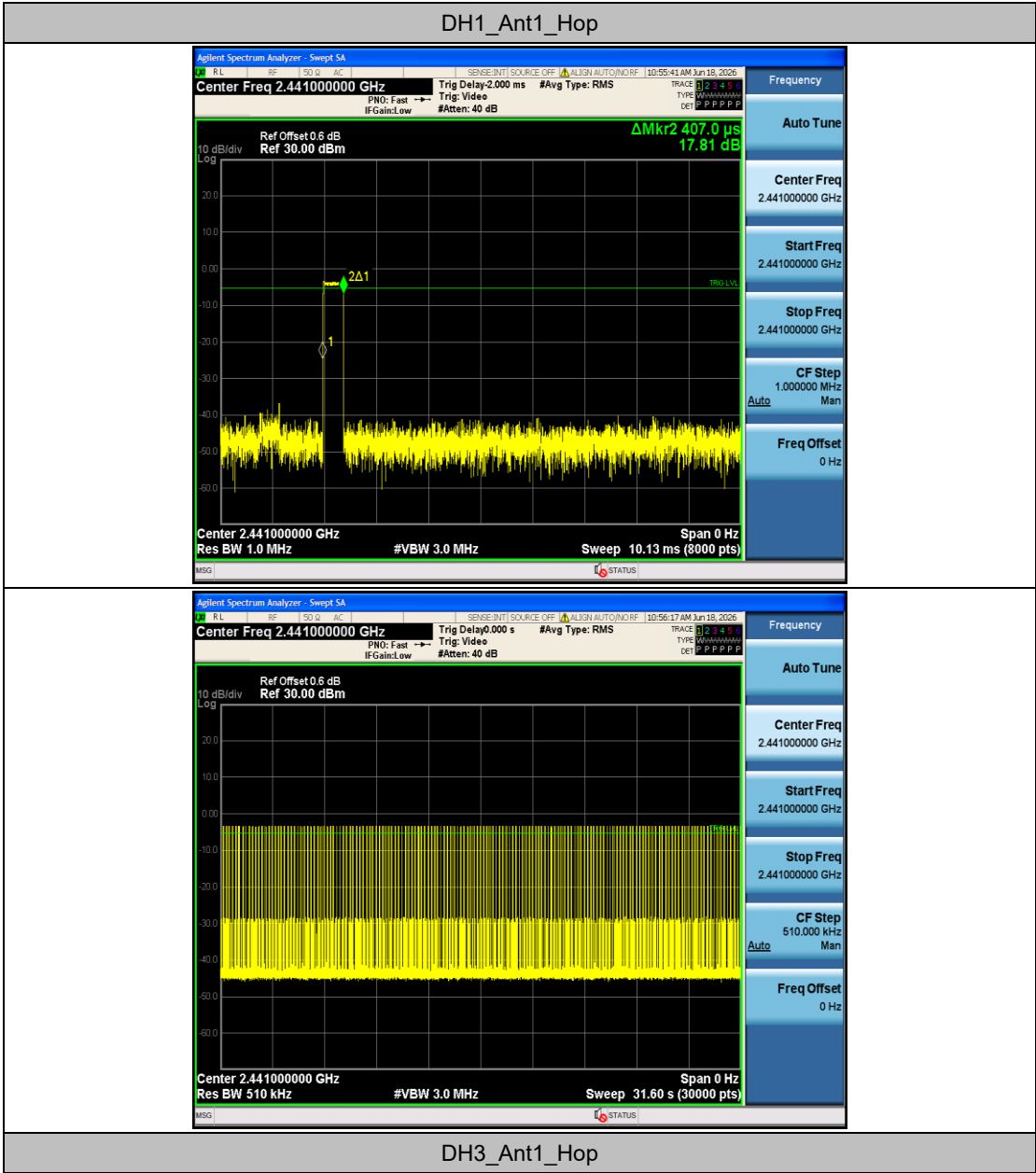


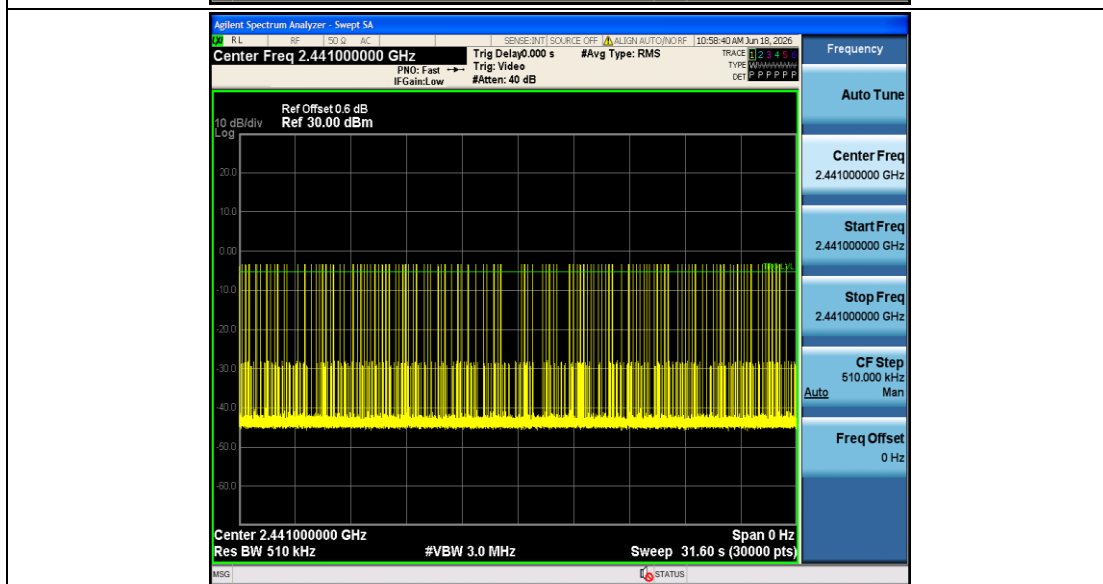
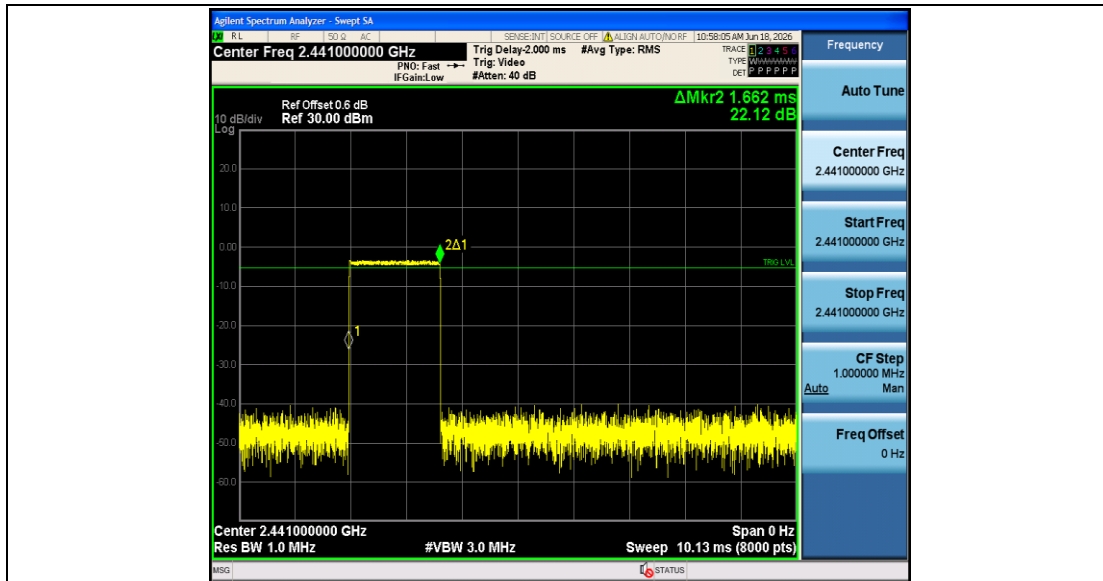
Appendix E: Time of occupancy

Test Result

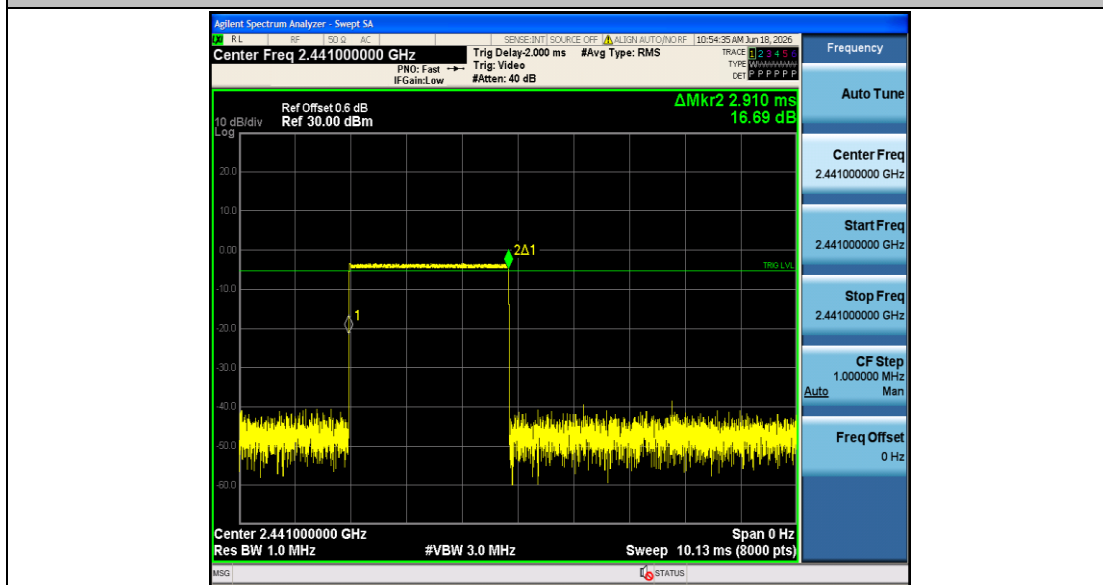
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.407	317	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	157	0.261	≤0.4	PASS
DH5	Ant1	Hop	2.910	113	0.329	≤0.4	PASS
2DH1	Ant1	Hop	0.415	317	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.668	158	0.264	≤0.4	PASS
2DH5	Ant1	Hop	2.916	100	0.292	≤0.4	PASS
3DH1	Ant1	Hop	0.414	318	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.666	157	0.262	≤0.4	PASS
3DH5	Ant1	Hop	2.916	110	0.321	≤0.4	PASS

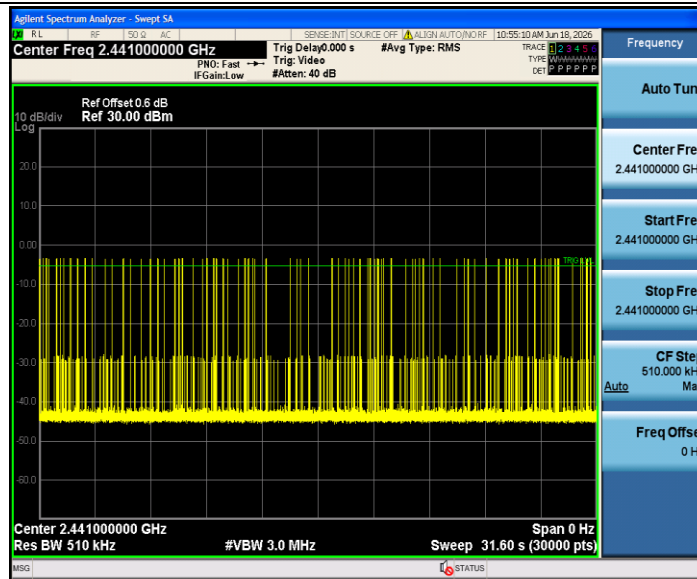
Test Graphs



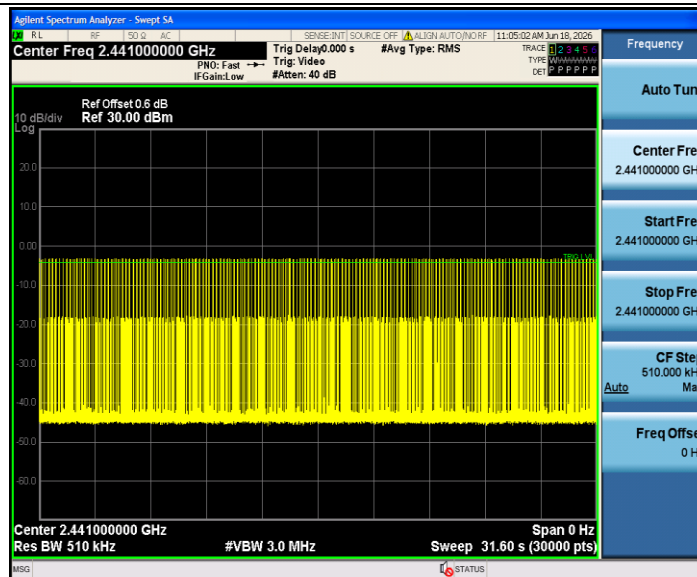
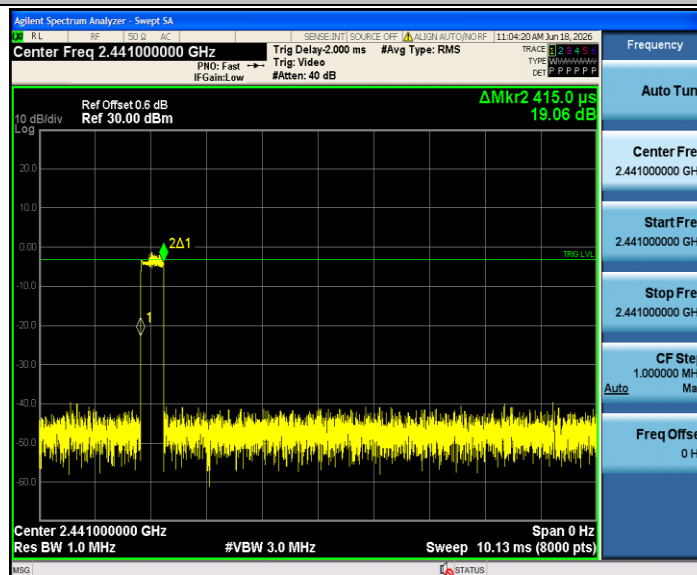


DH5_Ant1_Hop

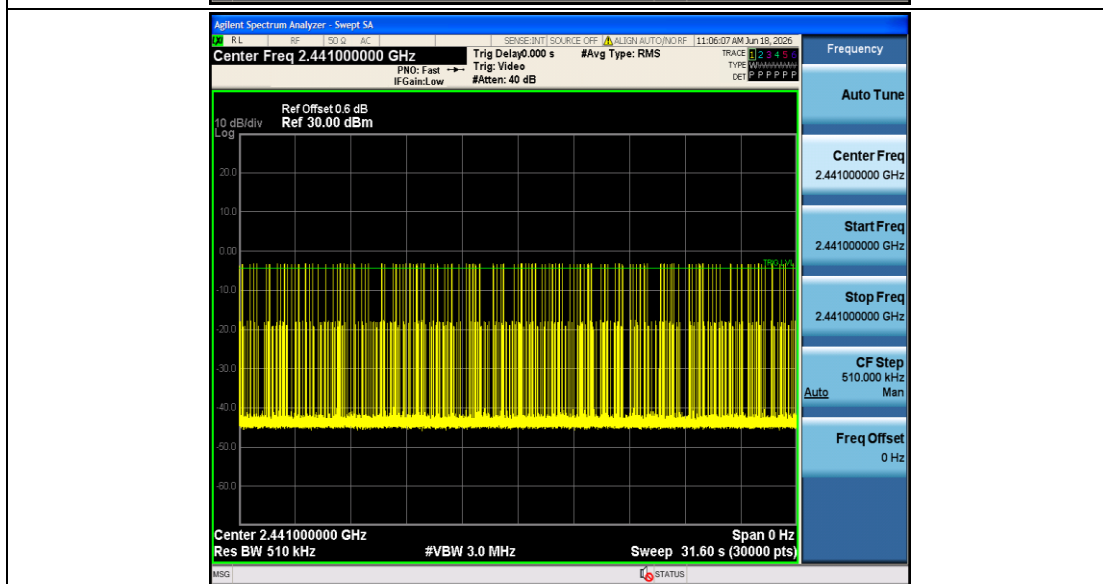
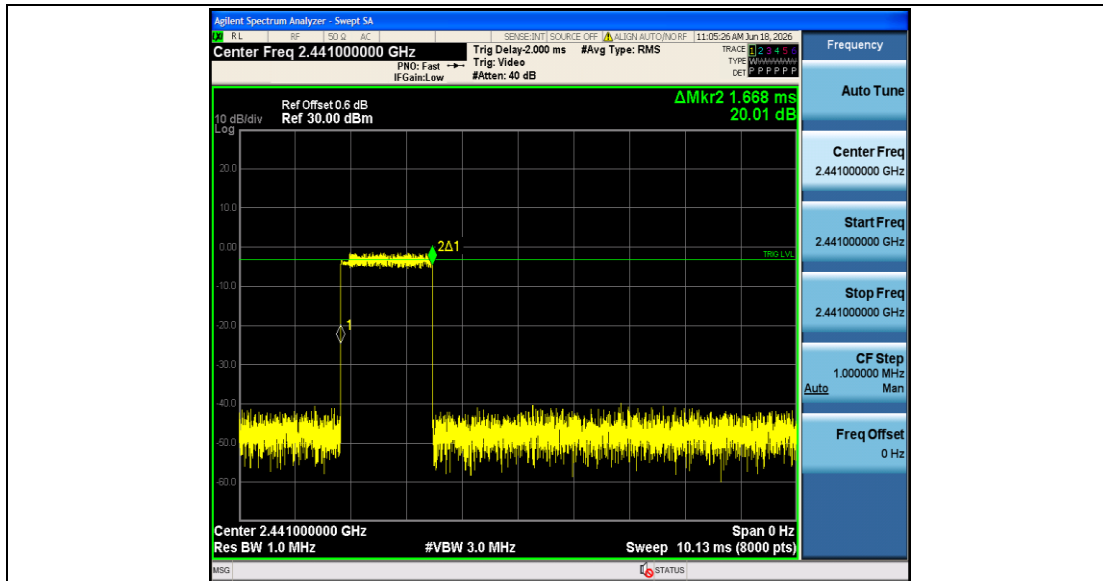




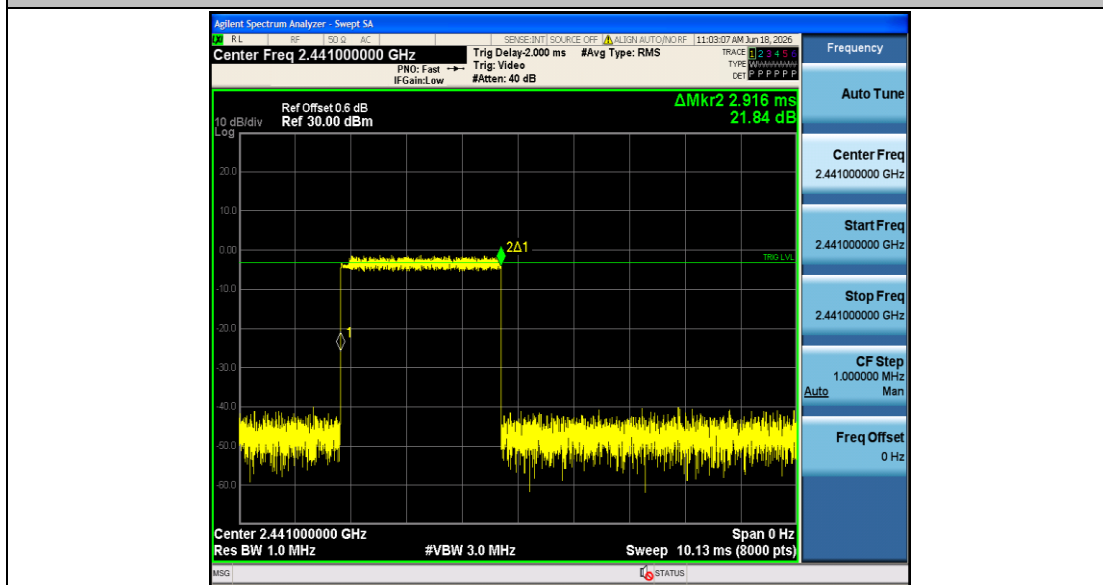
2DH1_Ant1_Hop

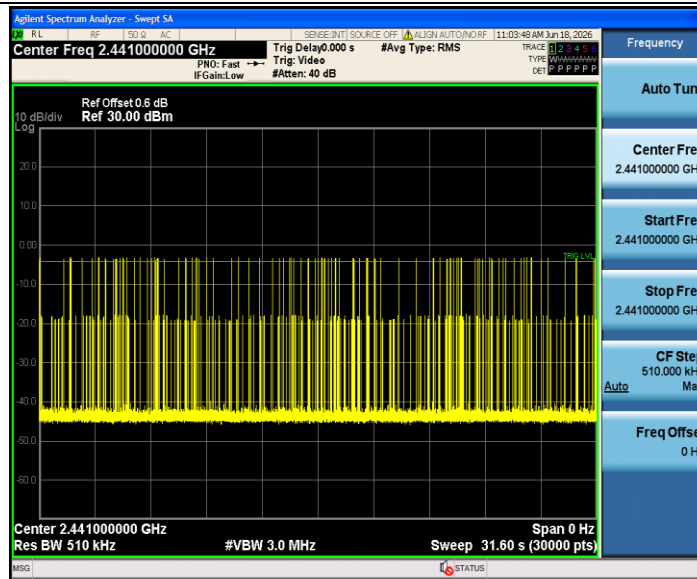


2DH3_Ant1_Hop

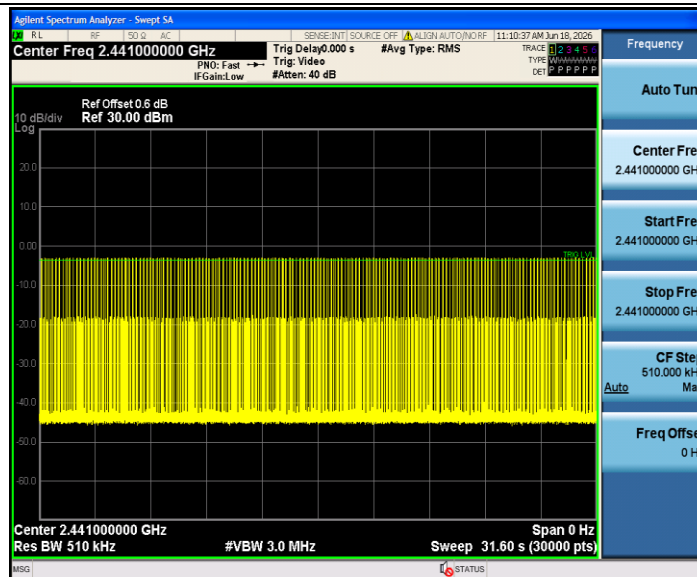
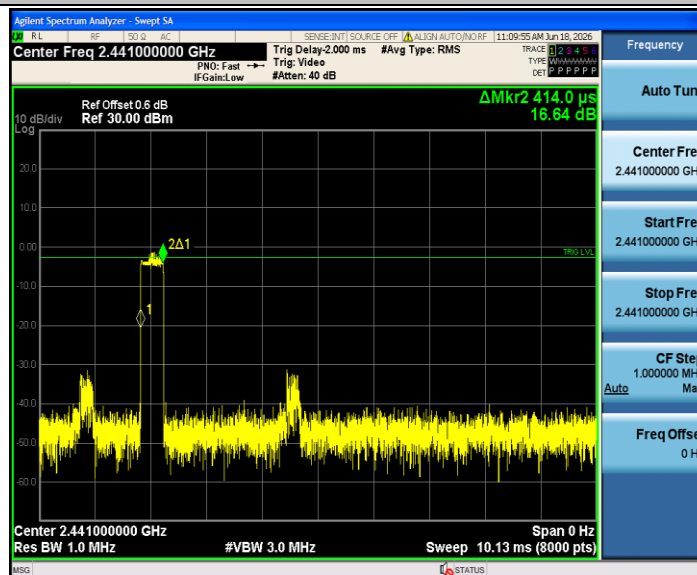


2DH5_Ant1_Hop

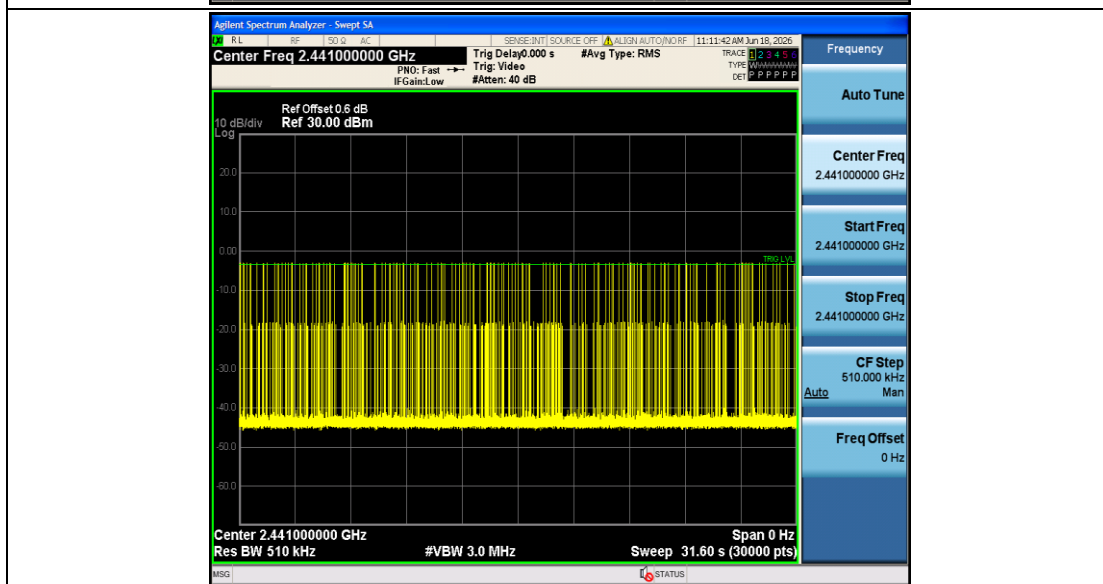
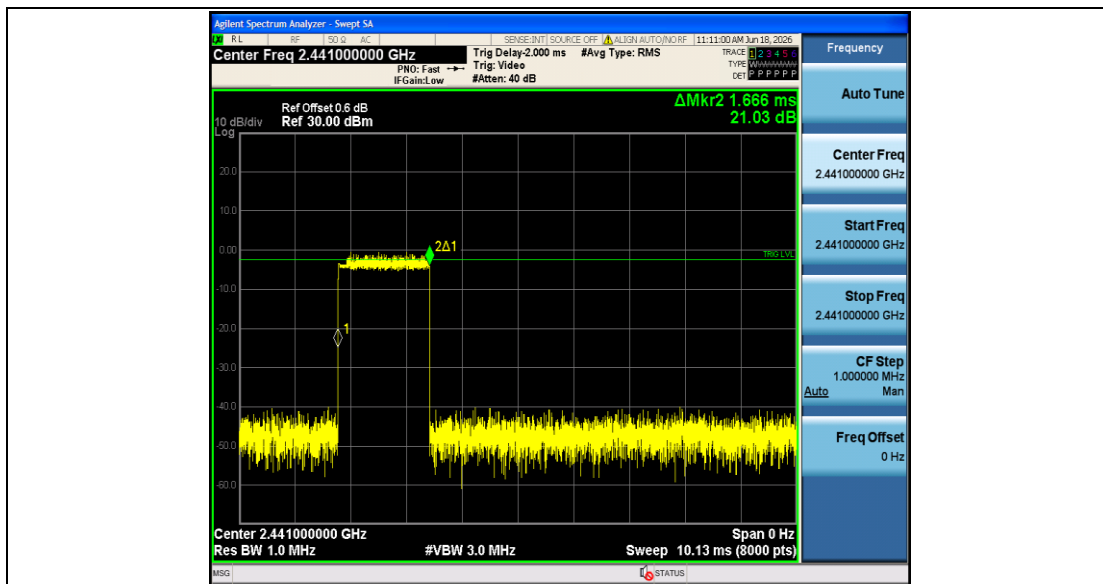




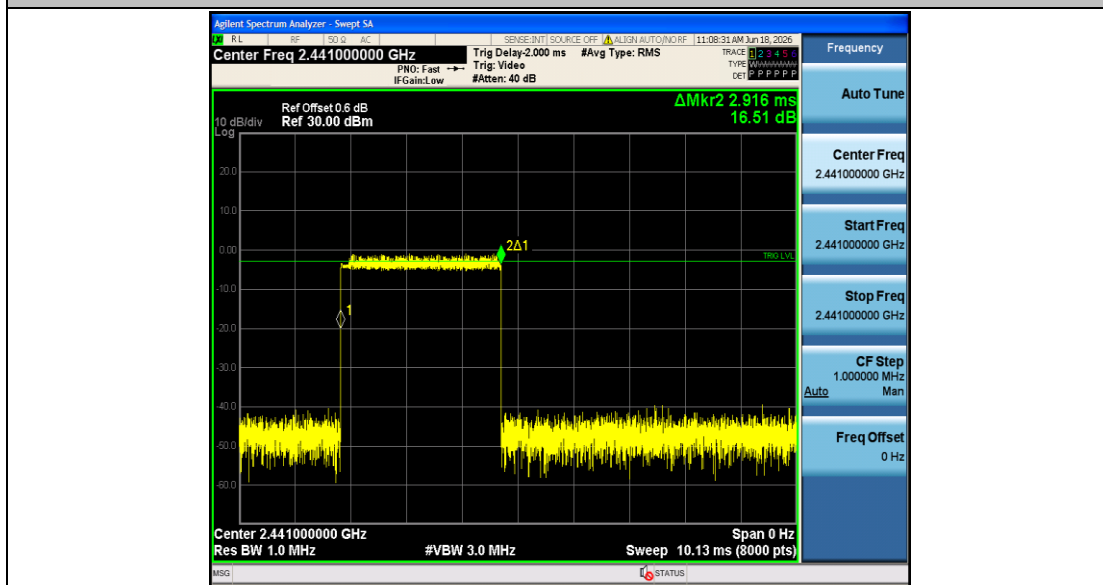
3DH1_Ant1_Hop

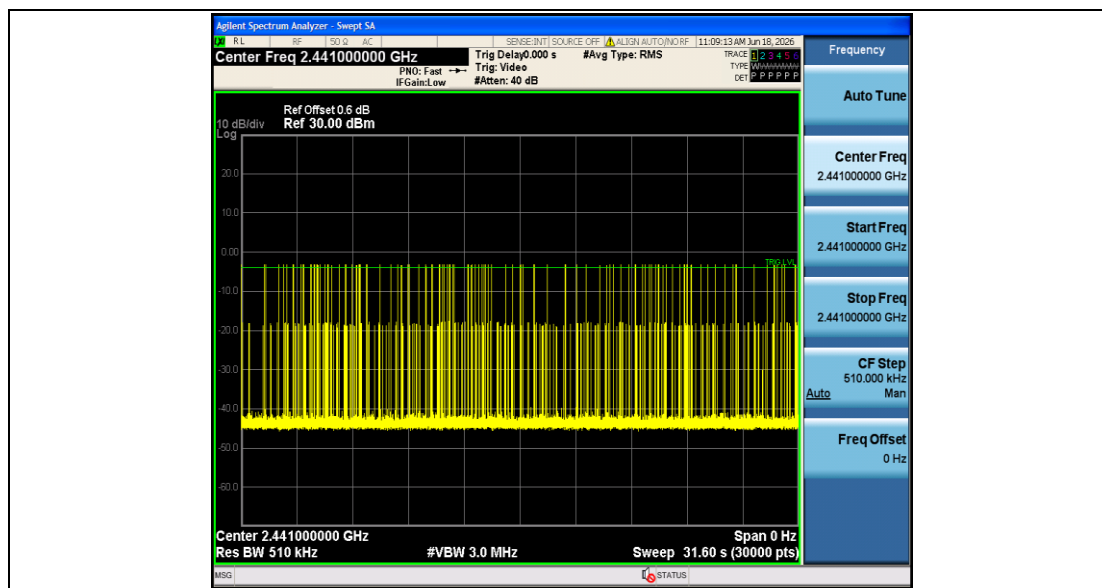


3DH3_Ant1_Hop



3DH5_Ant1_Hop



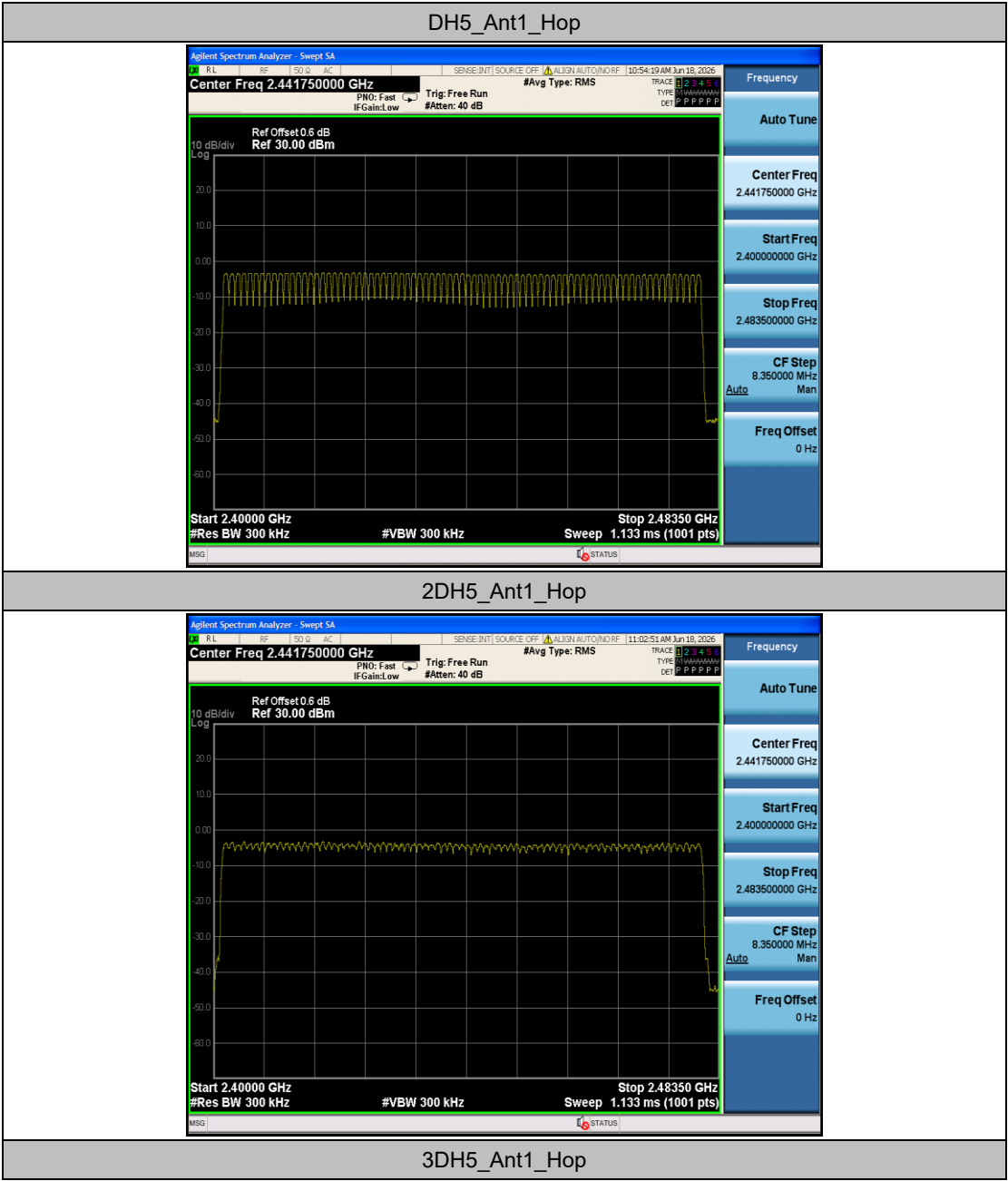


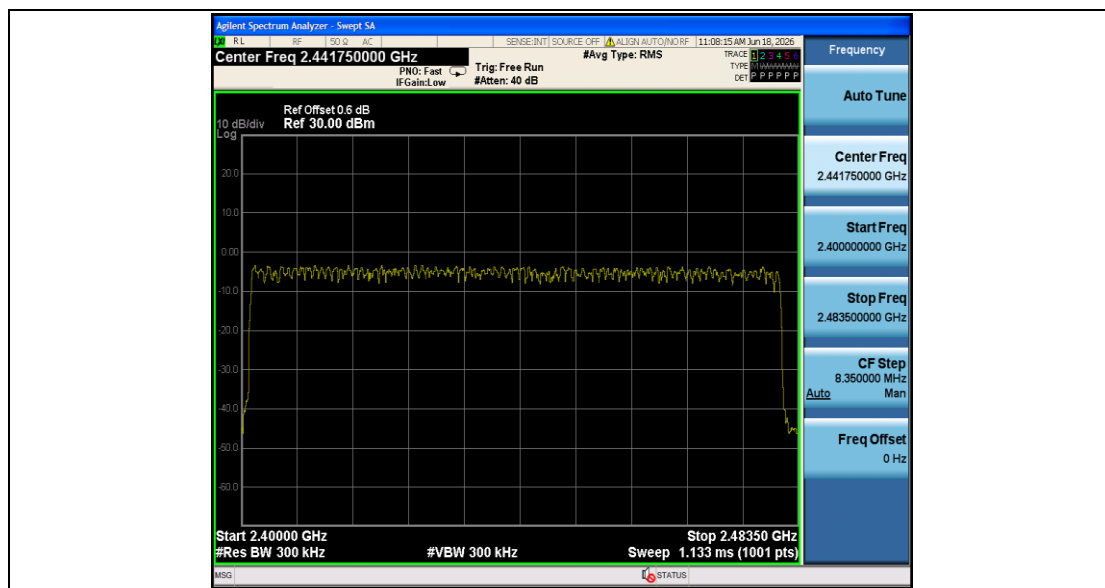
Appendix F: Number of hopping channels

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



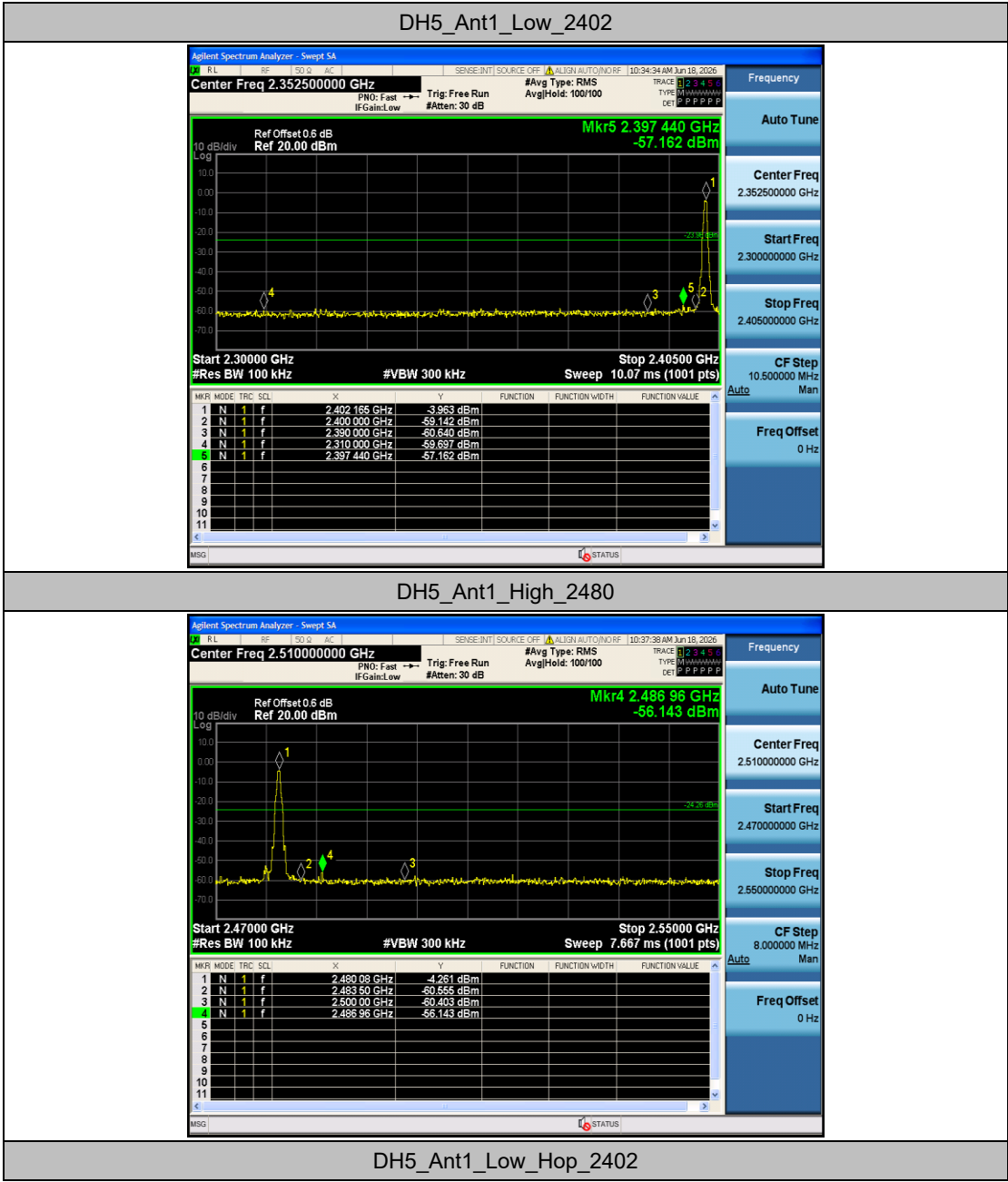


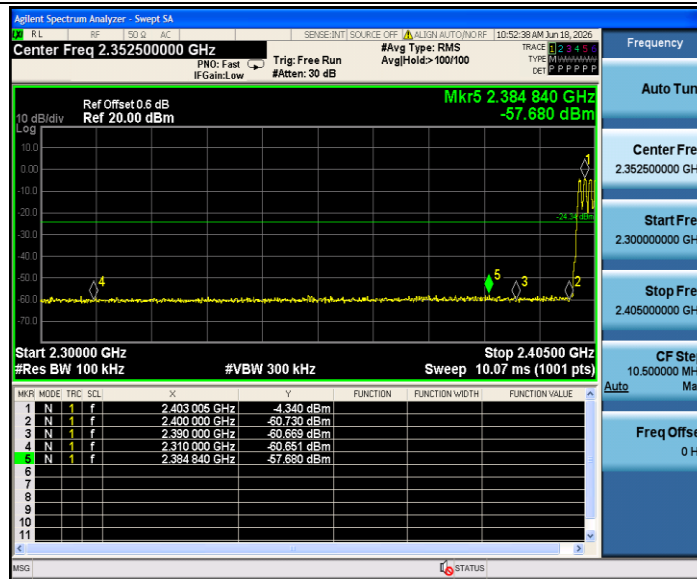
Appendix G: Band edge measurements

Test Result

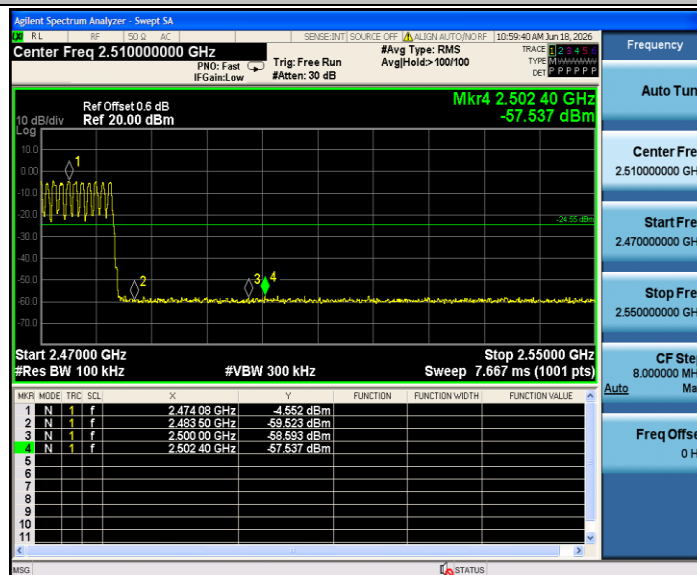
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.96	-57.16	≤-23.96	PASS
		High	2480	-4.26	-56.14	≤-24.26	PASS
		Low	Hop_2402	-4.34	-57.68	≤-24.34	PASS
		High	Hop_2480	-4.55	-57.54	≤-24.55	PASS
2DH5	Ant1	Low	2402	-4.91	-56.33	≤-24.91	PASS
		High	2480	-4.22	-50.26	≤-24.22	PASS
		Low	Hop_2402	-4.77	-57.22	≤-24.77	PASS
		High	Hop_2480	-3.91	-57.28	≤-23.91	PASS
3DH5	Ant1	Low	2402	-3.95	-56.84	≤-23.95	PASS
		High	2480	-4.23	-57.21	≤-24.23	PASS
		Low	Hop_2402	-3.57	-57.94	≤-23.57	PASS
		High	Hop_2480	-4.25	-57.5	≤-24.25	PASS

Test Graphs

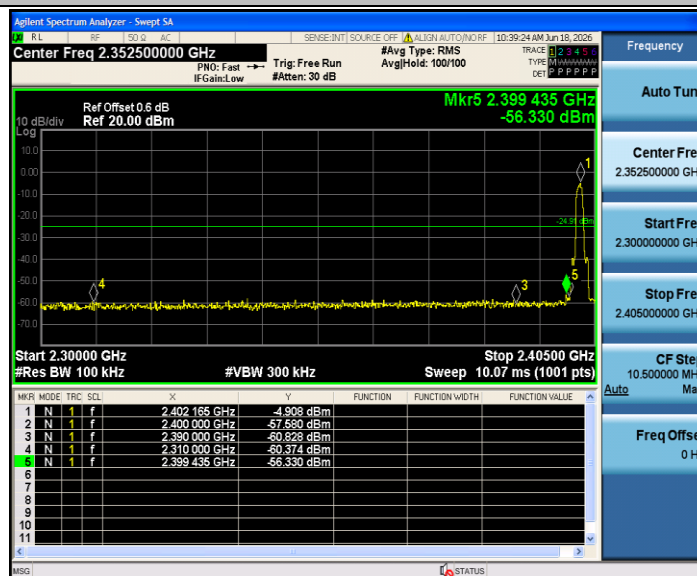




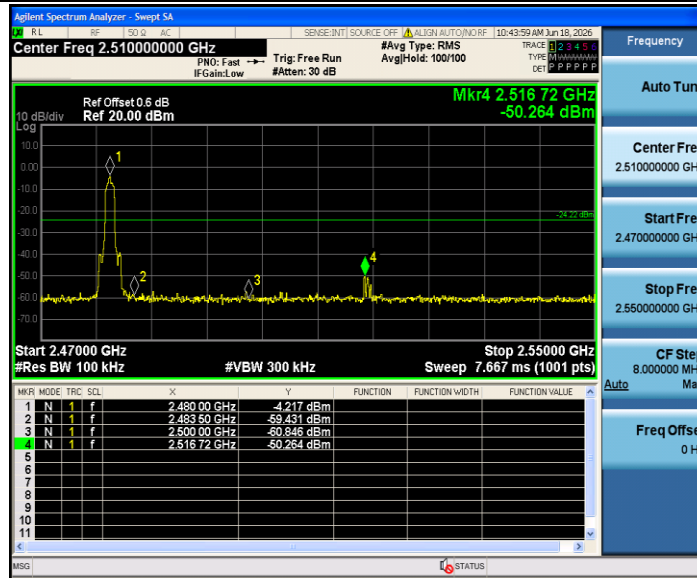
DH5_Ant1_High_Hop_2480



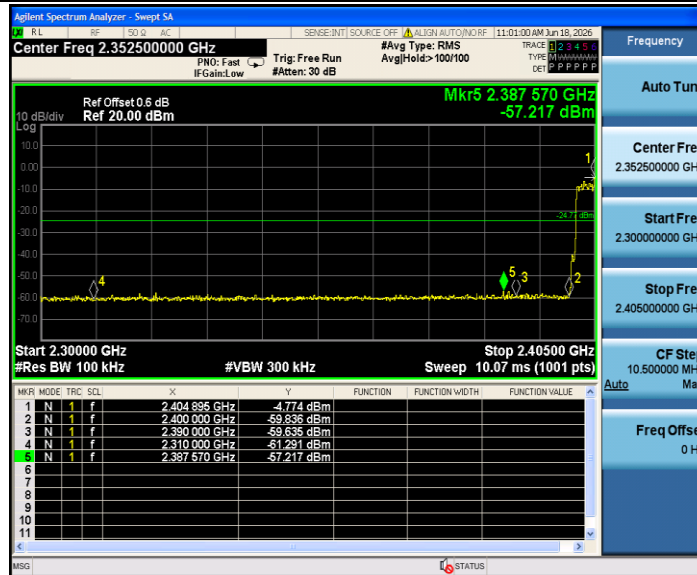
2DH5_Ant1_Low_2402



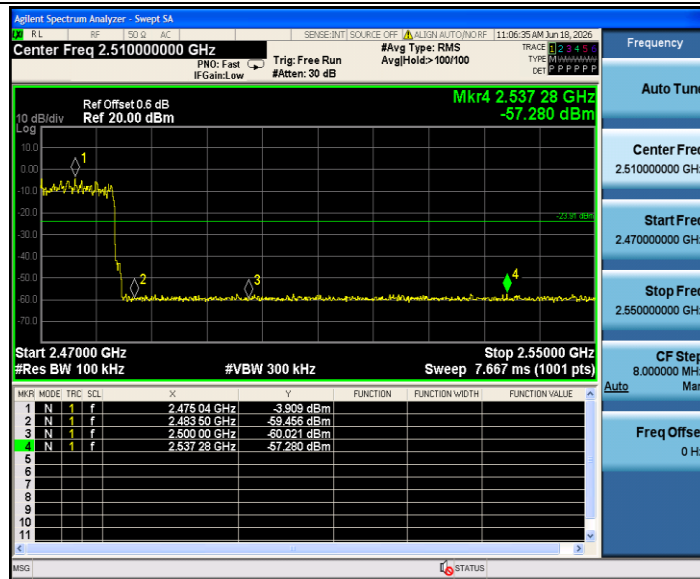
2DH5_Ant1_High_2480



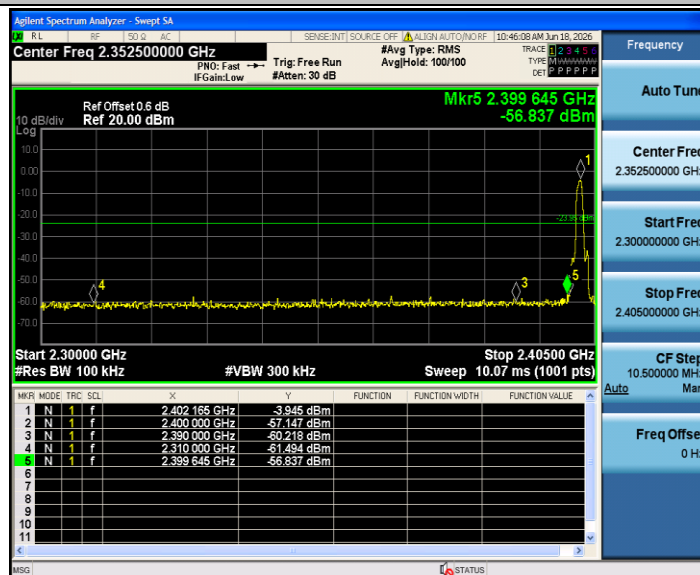
2DH5_Ant1_Low_Hop_2402



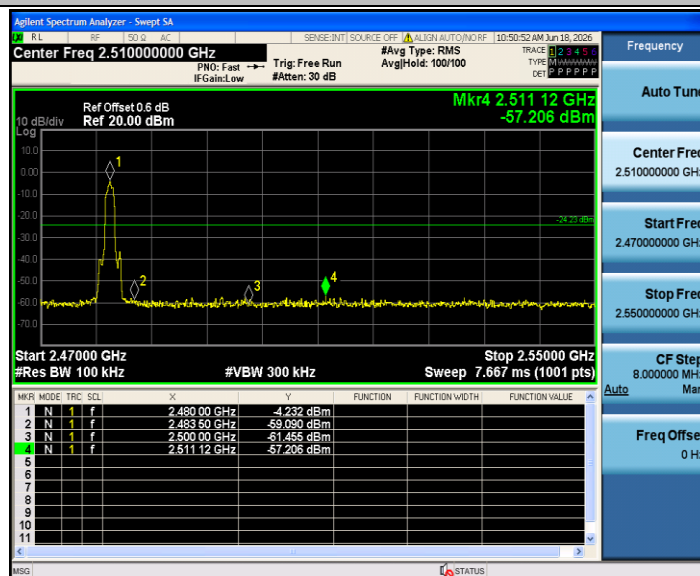
2DH5_Ant1_High_Hop_2480



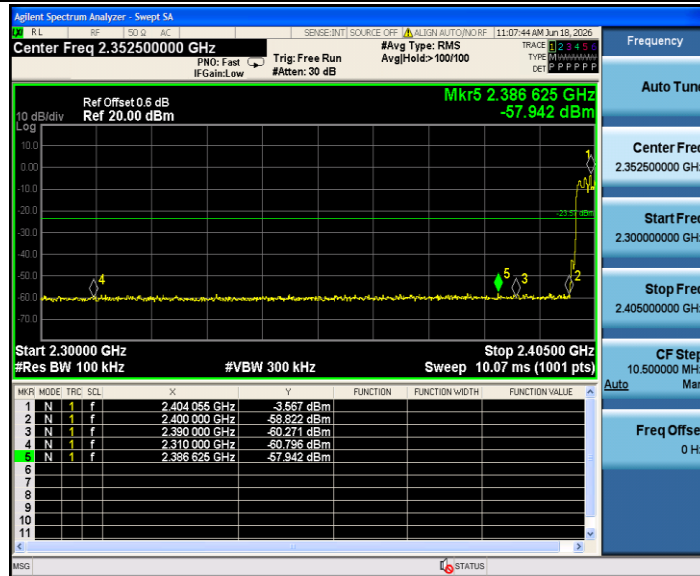
3DH5_Ant1_Low_2402



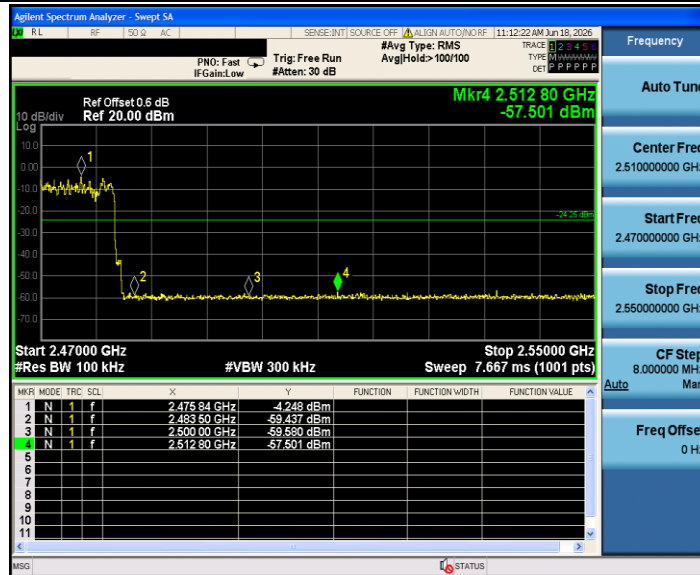
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

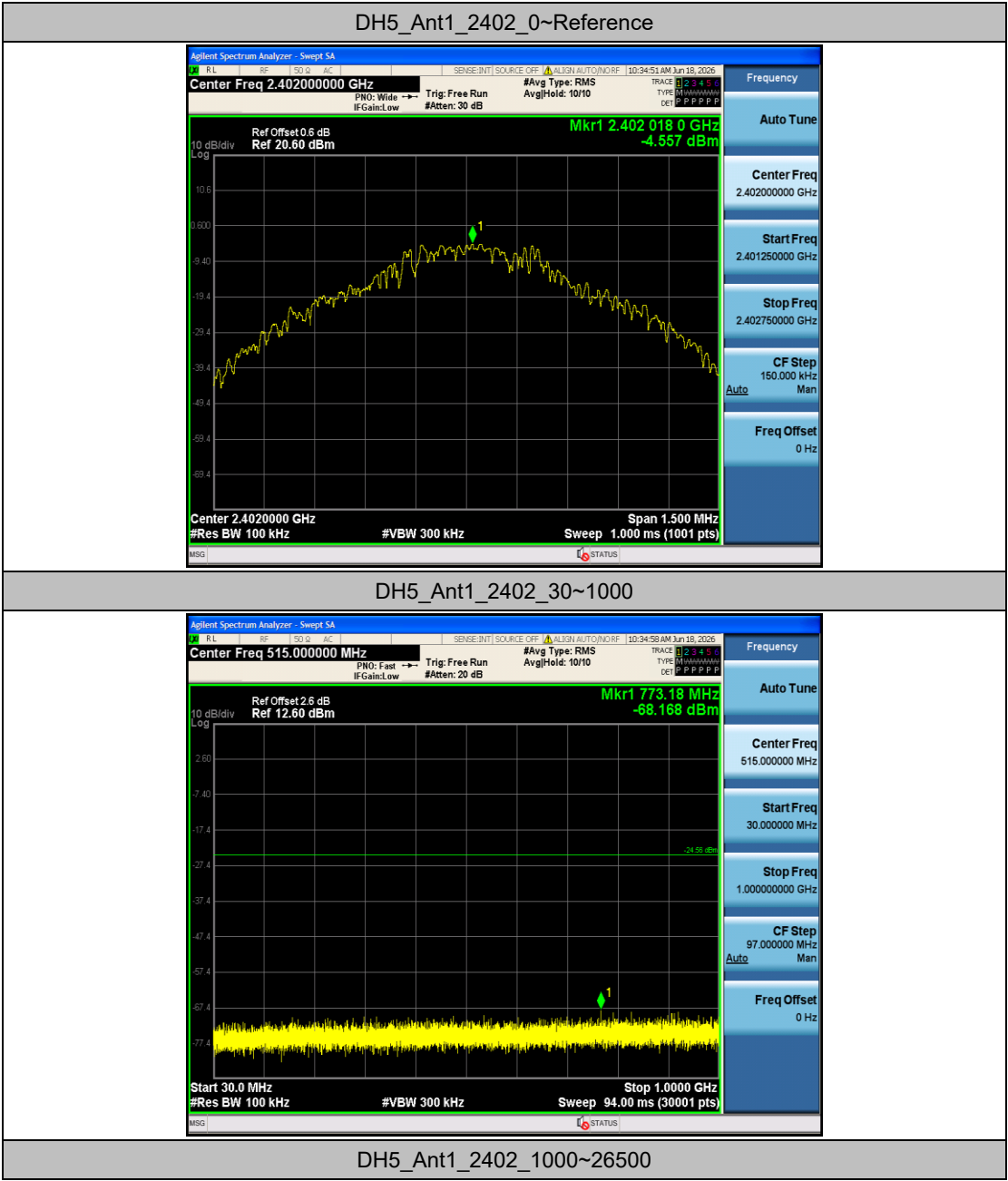


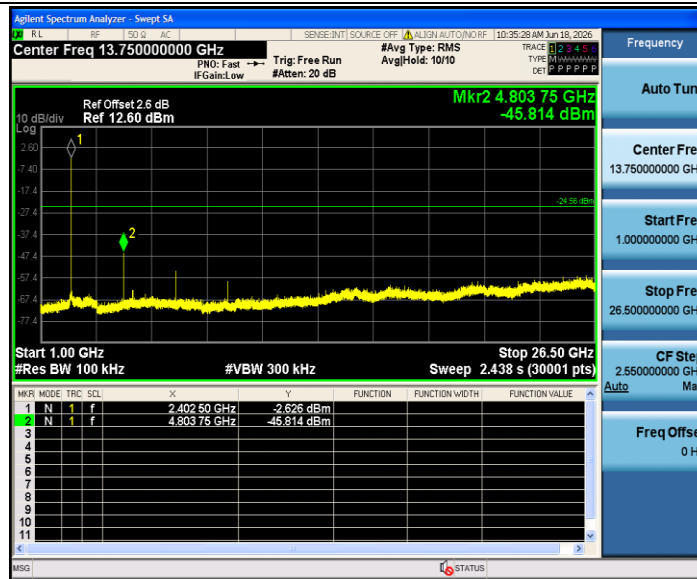
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.56	-4.56	---	PASS
			30~1000	-4.56	-68.17	≤-24.56	PASS
			1000~26500	-4.56	-45.81	≤-24.56	PASS
		2441	Reference	-4.47	-4.47	---	PASS
			30~1000	-4.47	-68.74	≤-24.47	PASS
			1000~26500	-4.47	-48.61	≤-24.47	PASS
		2480	Reference	-4.63	-4.63	---	PASS
			30~1000	-4.63	-68.8	≤-24.63	PASS
			1000~26500	-4.63	-46.99	≤-24.63	PASS
2DH5	Ant1	2402	Reference	-5.94	-5.94	---	PASS
			30~1000	-5.94	-68.95	≤-25.94	PASS
			1000~26500	-5.94	-49.29	≤-25.94	PASS
		2441	Reference	-6.26	-6.26	---	PASS
			30~1000	-6.26	-67.61	≤-26.26	PASS
			1000~26500	-6.26	-49.55	≤-26.26	PASS
		2480	Reference	-6.45	-6.45	---	PASS
			30~1000	-6.45	-69	≤-26.45	PASS
			1000~26500	-6.45	-48.6	≤-26.45	PASS
3DH5	Ant1	2402	Reference	-6.02	-6.02	---	PASS
			30~1000	-6.02	-68.65	≤-26.02	PASS
			1000~26500	-6.02	-48.6	≤-26.02	PASS
		2441	Reference	-6.52	-6.52	---	PASS
			30~1000	-6.52	-68.33	≤-26.52	PASS
			1000~26500	-6.52	-48.68	≤-26.52	PASS
		2480	Reference	-4.27	-4.27	---	PASS
			30~1000	-4.27	-68.96	≤-24.27	PASS
			1000~26500	-4.27	-48.03	≤-24.27	PASS

Test Graphs

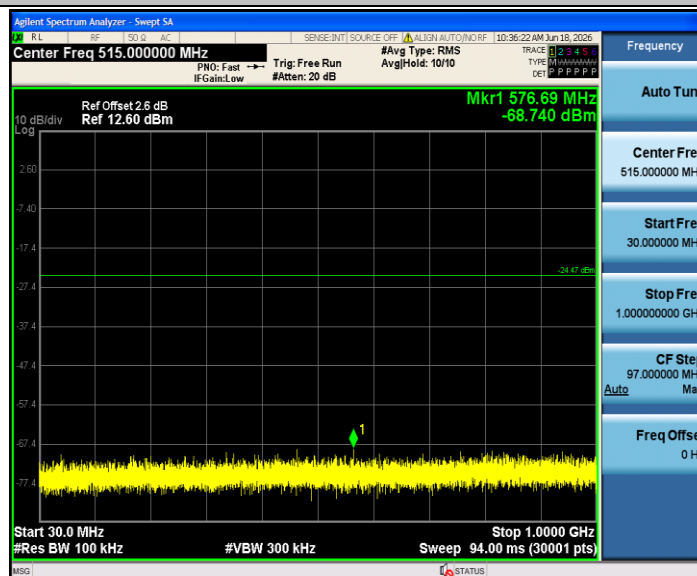




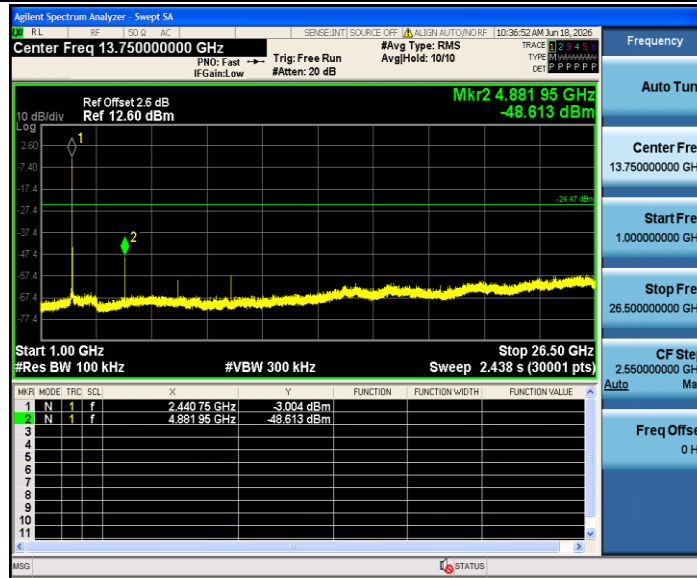
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



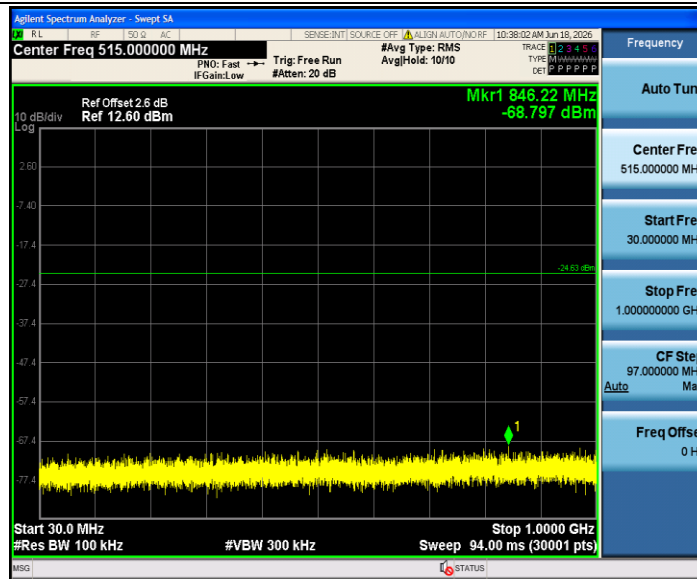
DH5_Ant1_2441_1000~26500



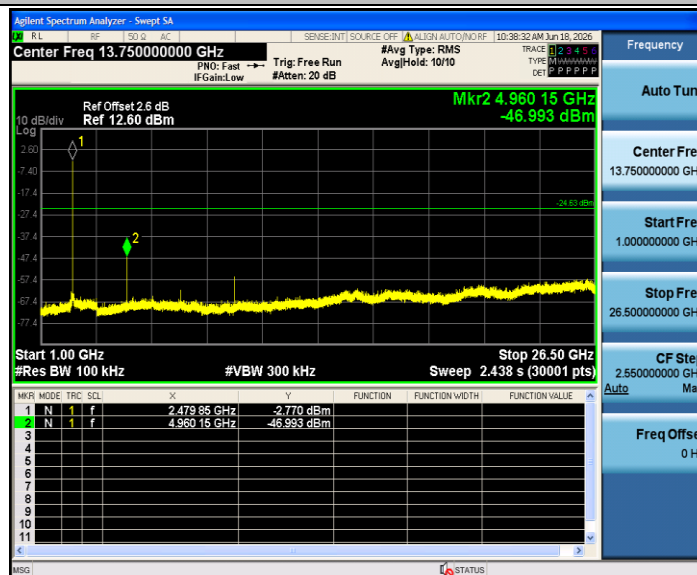
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

