

FCC Appendix RF Test Data for BT

FCC ID : 2AJU8-RG35XXPRO

Company : Shenzhen Yangliming Electronic Technology Co., Ltd.

EUT : Handheld Game Console

Model Number : RG 35XXPro

Report No. : CTA26060901001

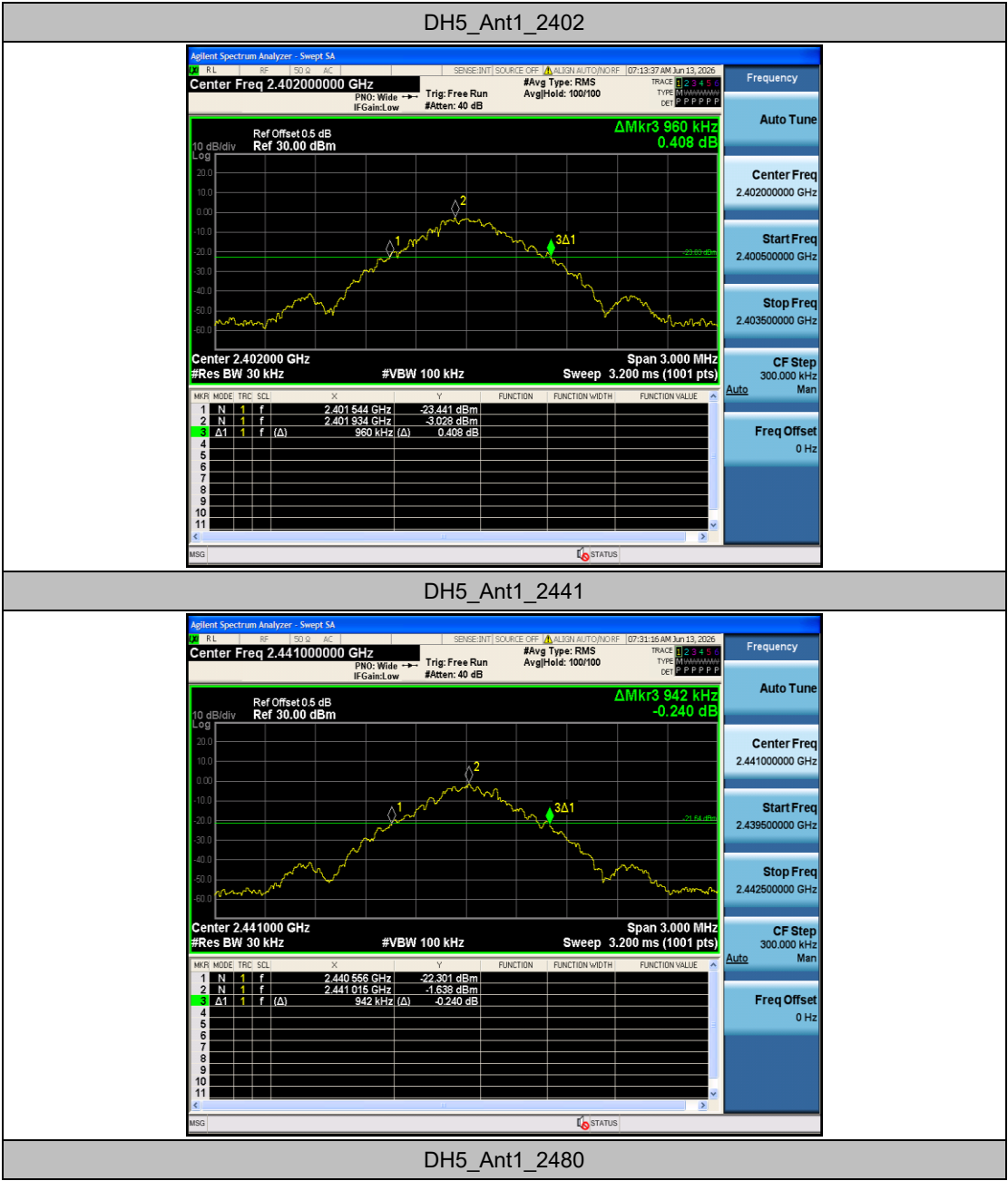
Reviewed By : Eric Wang

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	2401.544	2402.504	---	---
		2441	0.942	2440.556	2441.498	---	---
		2480	0.936	2479.550	2480.486	---	---
2DH5	Ant1	2402	1.281	2401.379	2402.660	---	---
		2441	1.287	2440.376	2441.663	---	---
		2480	1.281	2479.376	2480.657	---	---
3DH5	Ant1	2402	1.284	2401.364	2402.648	---	---
		2441	1.314	2440.358	2441.672	---	---
		2480	1.311	2479.361	2480.672	---	---

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

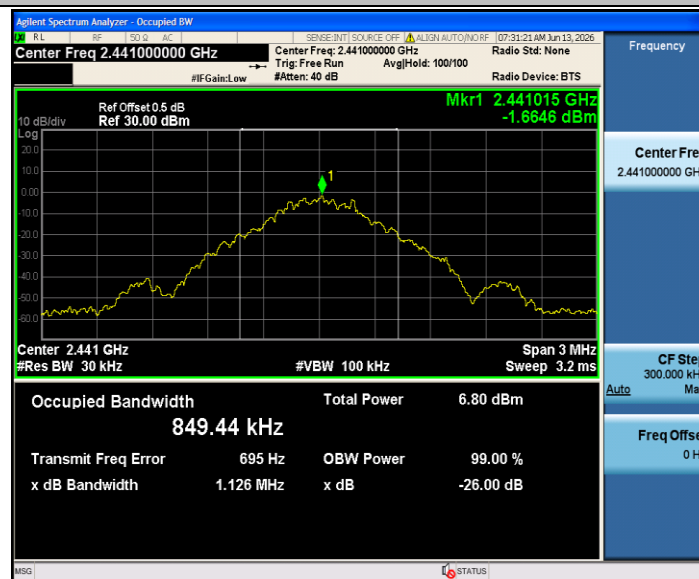
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87014	2401.5789	2402.4491	---	---
		2441	0.84944	2440.5760	2441.4254	---	---
		2480	0.86222	2479.5759	2480.4381	---	---
2DH5	Ant1	2402	1.1866	2401.4180	2402.6046	---	---
		2441	1.1876	2440.4156	2441.6032	---	---
		2480	1.1824	2479.4203	2480.6027	---	---
3DH5	Ant1	2402	1.1868	2401.4188	2402.6056	---	---
		2441	1.1885	2440.4154	2441.6039	---	---
		2480	1.1892	2479.4171	2480.6063	---	---

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

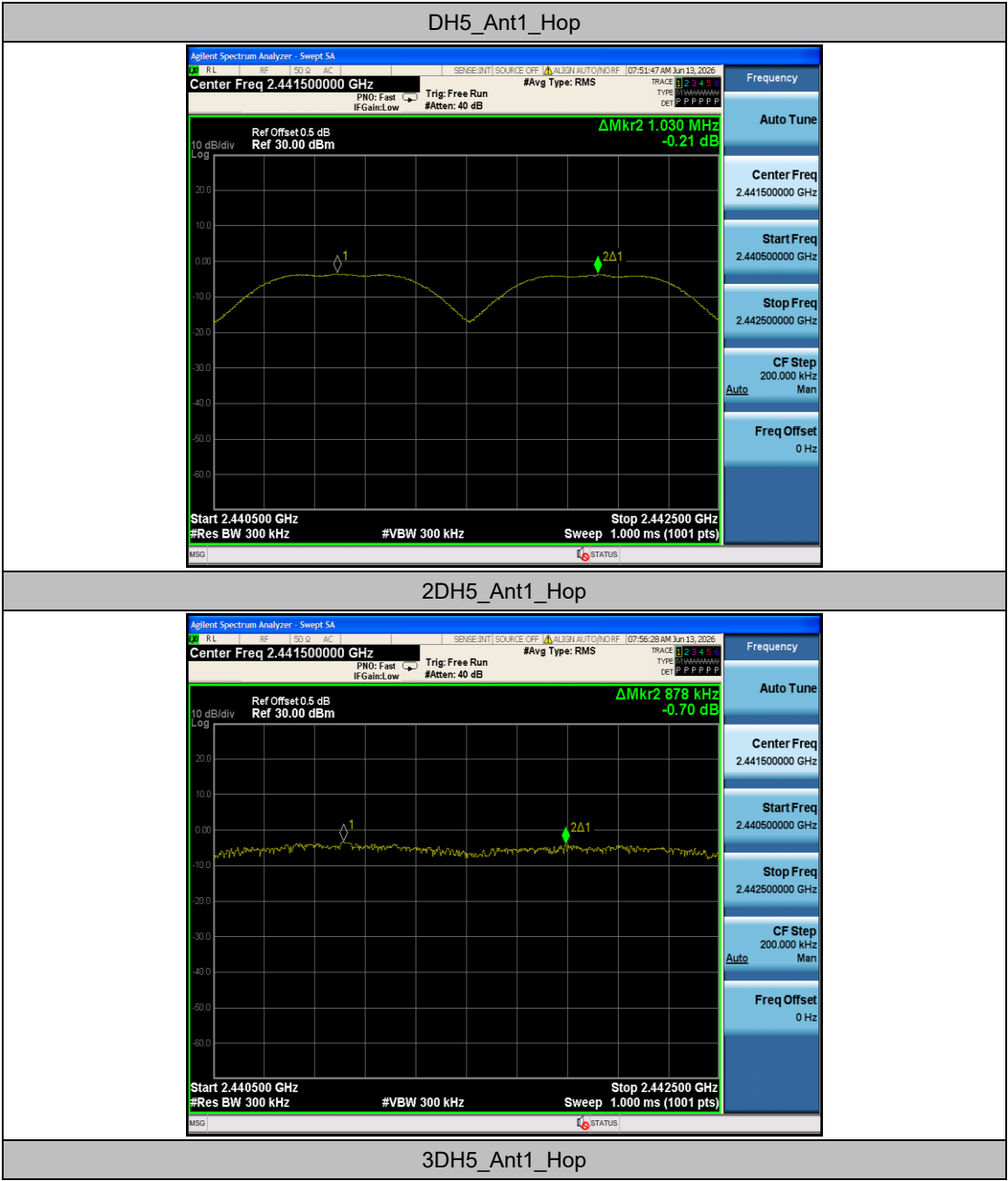
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.01	≤20.97	PASS
		2441	0.09	≤20.97	PASS
		2480	-0.11	≤20.97	PASS
2DH5	Ant1	2402	-0.66	≤20.97	PASS
		2441	-0.74	≤20.97	PASS
		2480	-1.02	≤20.97	PASS
3DH5	Ant1	2402	-0.36	≤20.97	PASS
		2441	-0.39	≤20.97	PASS
		2480	-0.56	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.03	≥ 0.960	PASS
2DH5	Ant1	Hop	0.878	≥ 0.858	PASS
3DH5	Ant1	Hop	0.986	≥ 0.876	PASS

Test Graphs



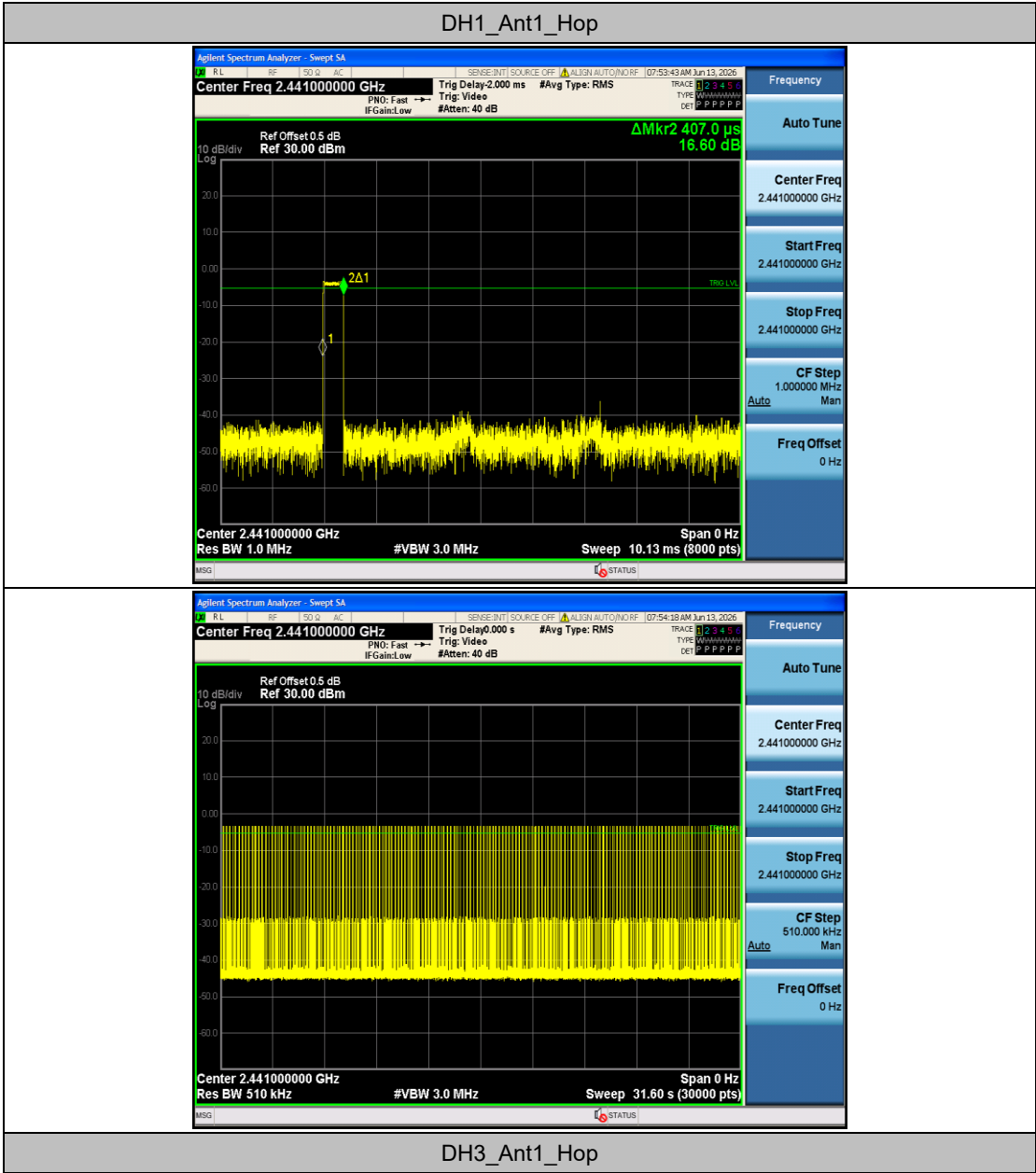


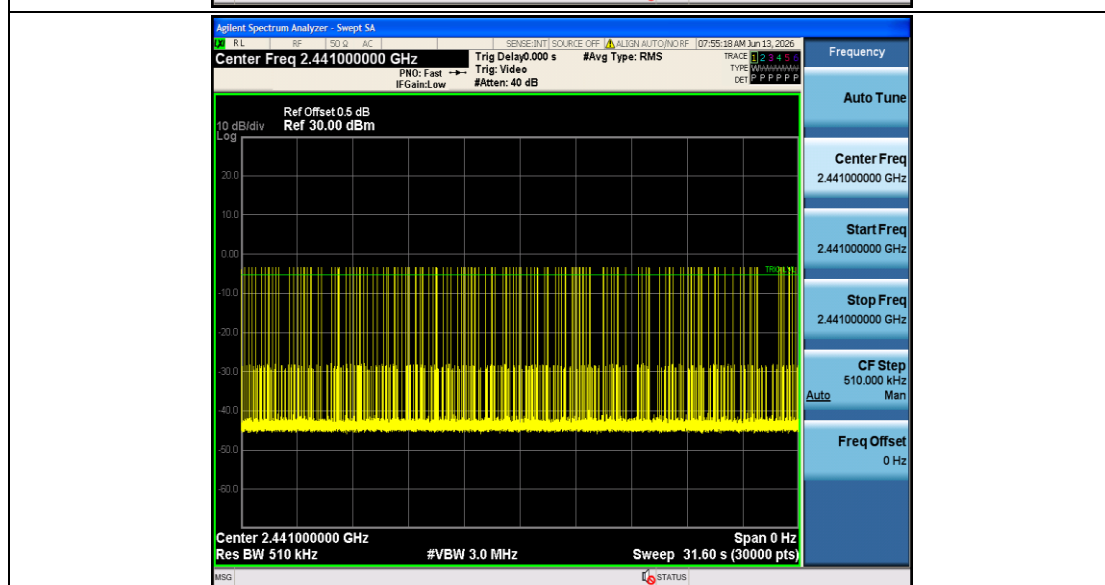
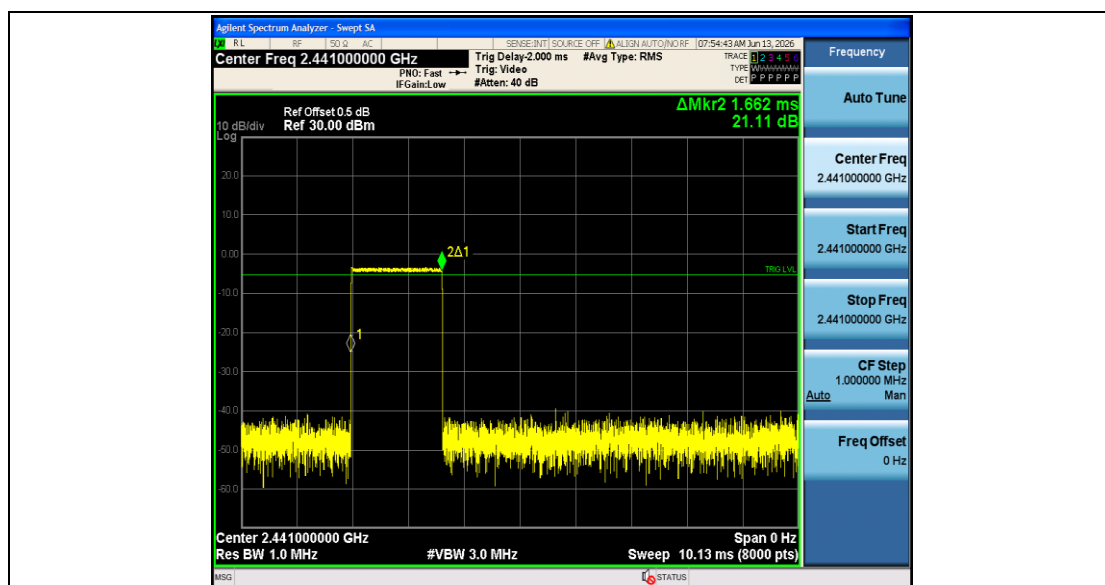
Appendix E: Time of occupancy

Test Result

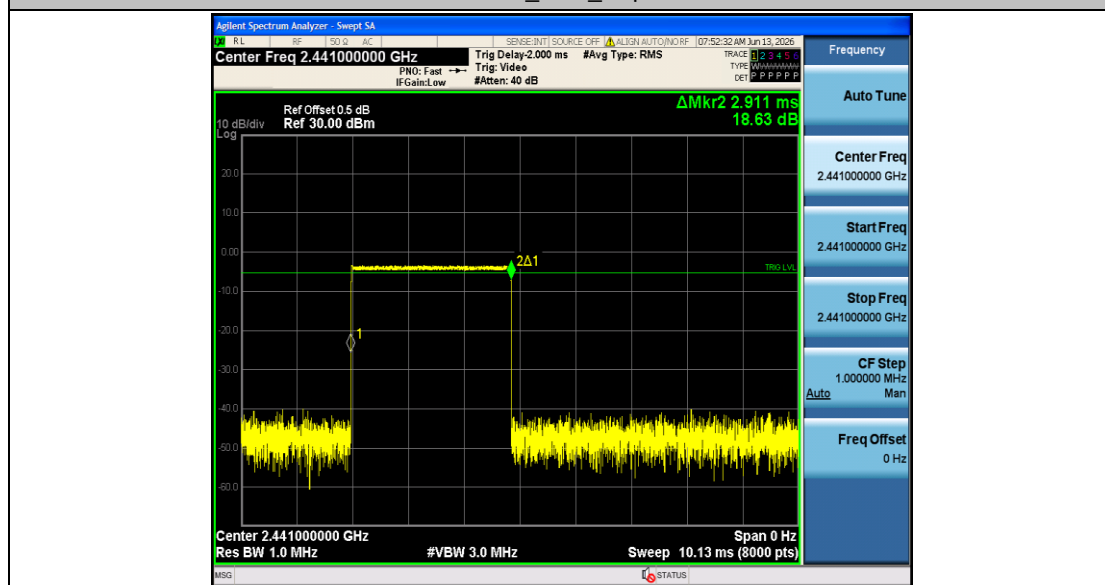
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.407	319	0.13	≤0.4	PASS
DH3	Ant1	Hop	1.662	153	0.254	≤0.4	PASS
DH5	Ant1	Hop	2.911	115	0.335	≤0.4	PASS
2DH1	Ant1	Hop	0.415	319	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.667	157	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.916	103	0.3	≤0.4	PASS
3DH1	Ant1	Hop	0.415	318	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.666	164	0.273	≤0.4	PASS
3DH5	Ant1	Hop	2.917	108	0.315	≤0.4	PASS

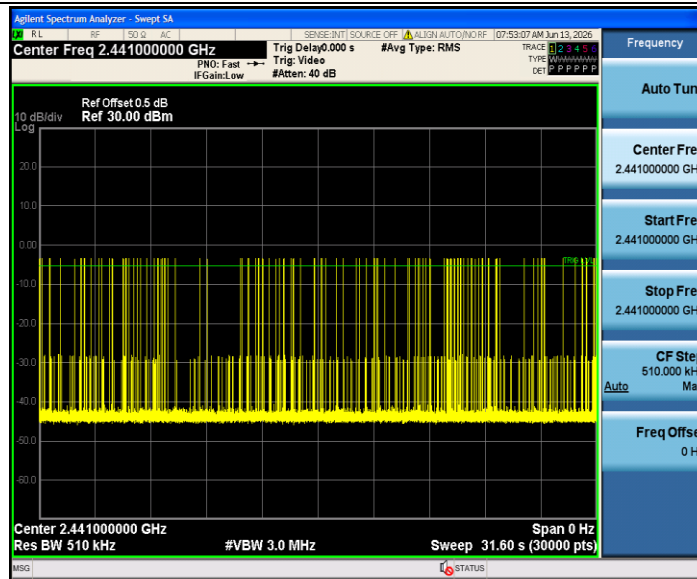
Test Graphs



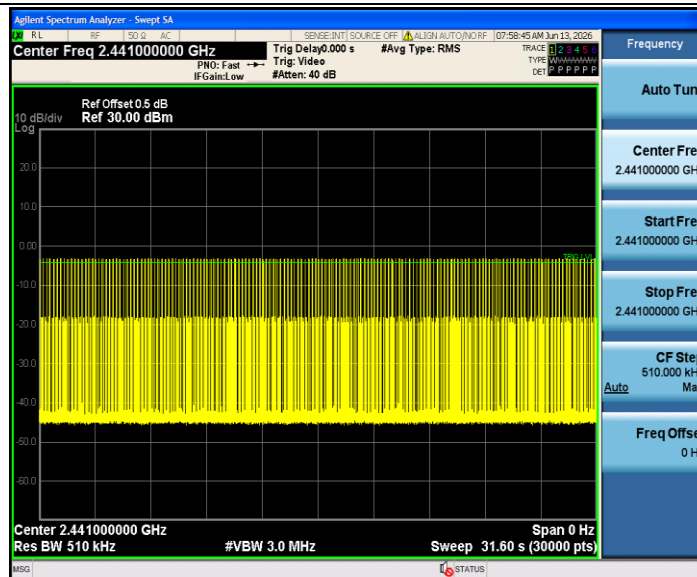
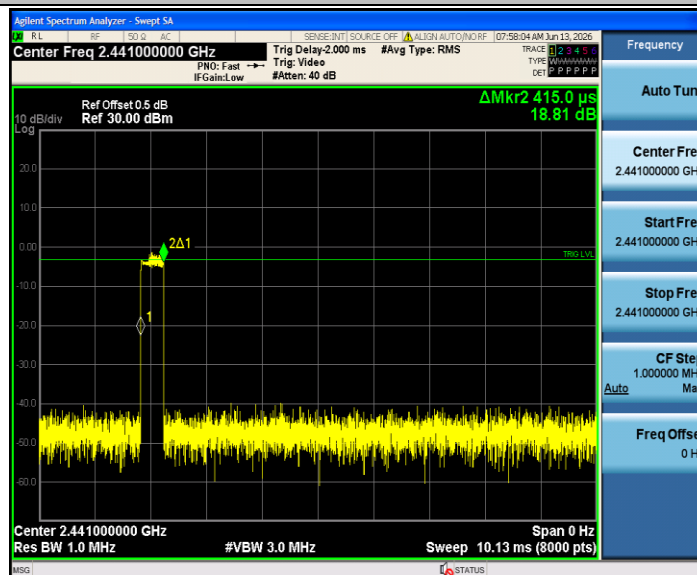


DH5_Ant1_Hop

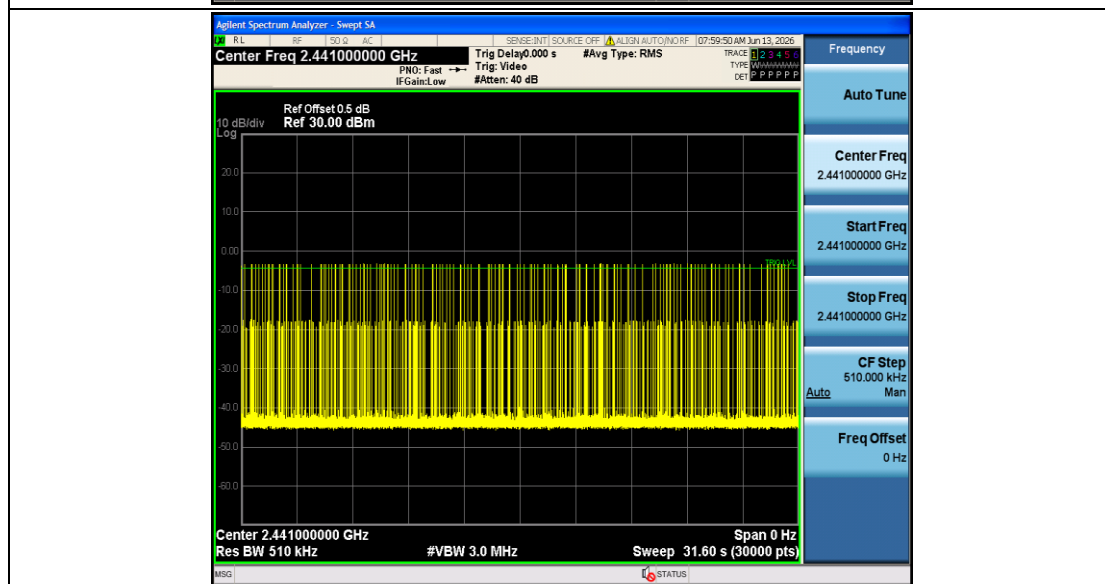
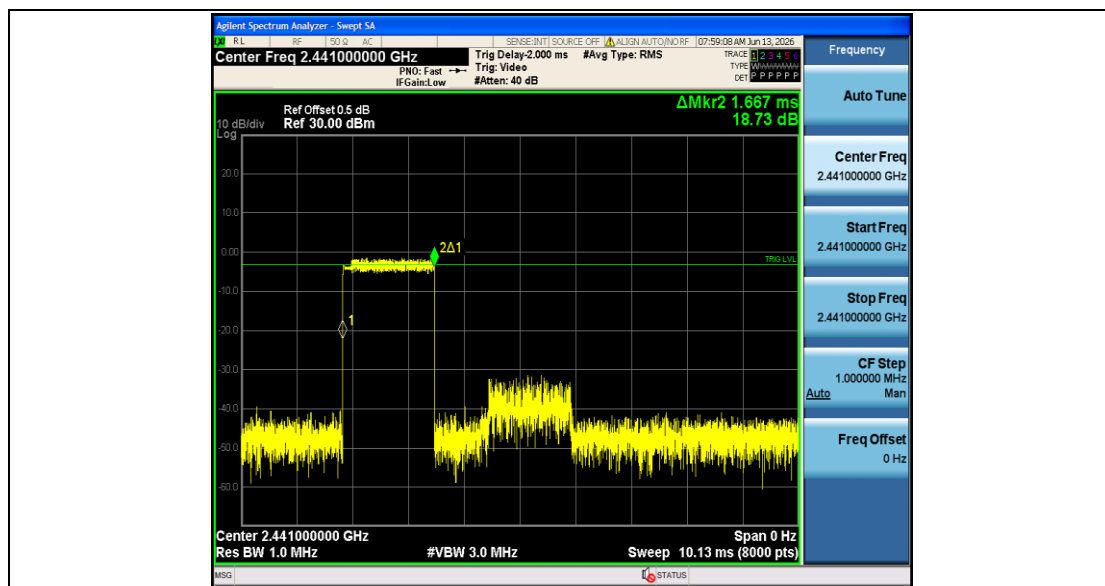




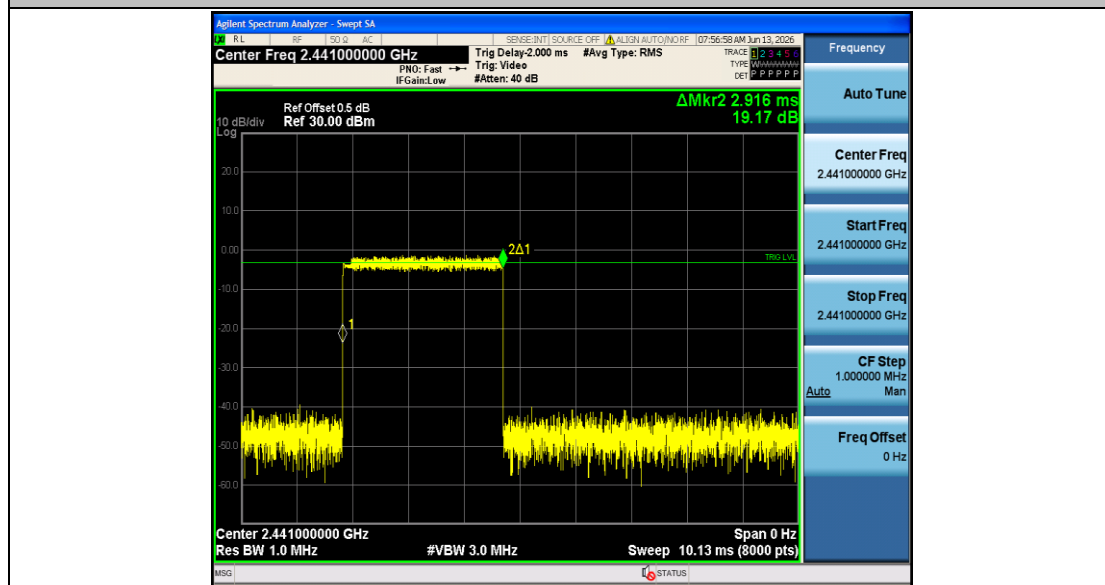
2DH1_Ant1_Hop

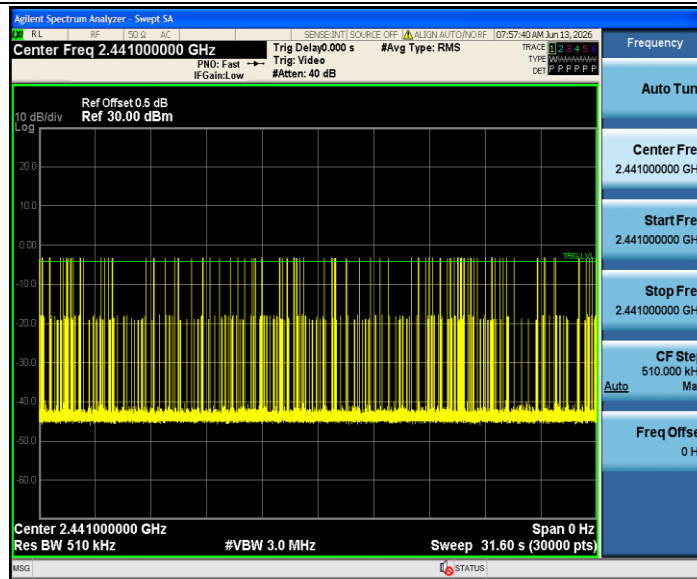


2DH3_Ant1_Hop

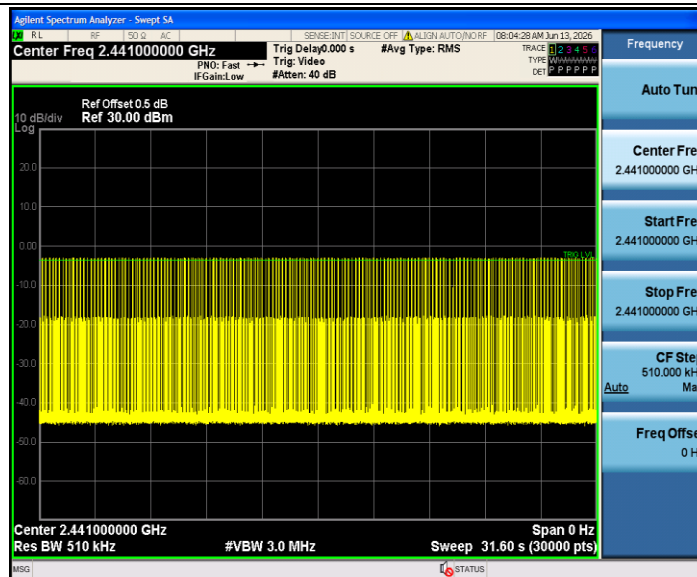
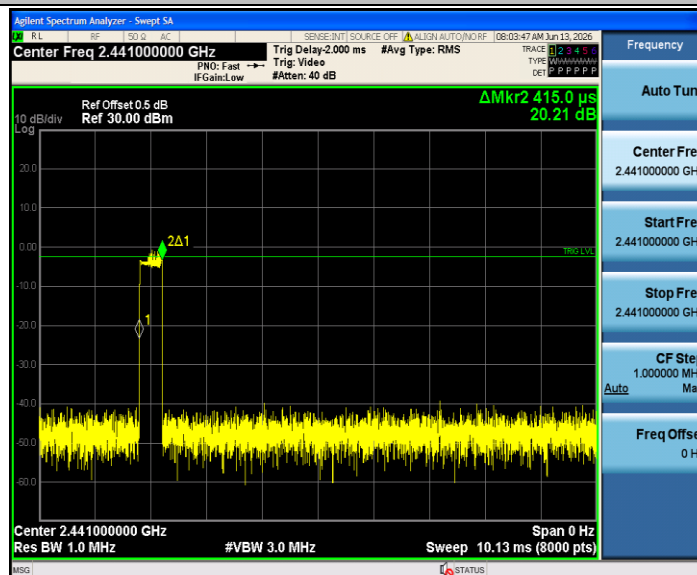


2DH5_Ant1_Hop

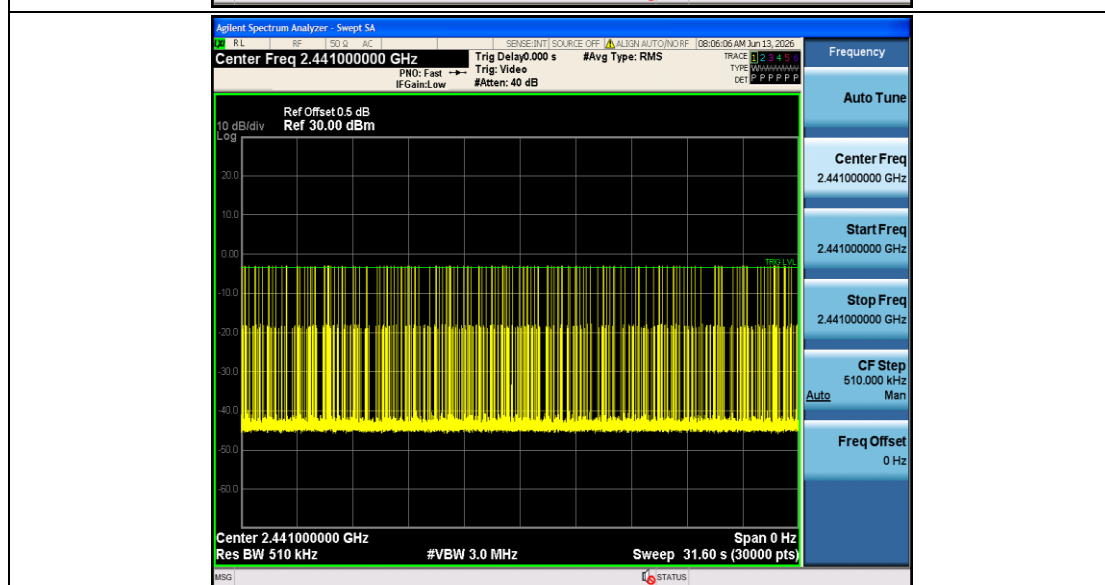
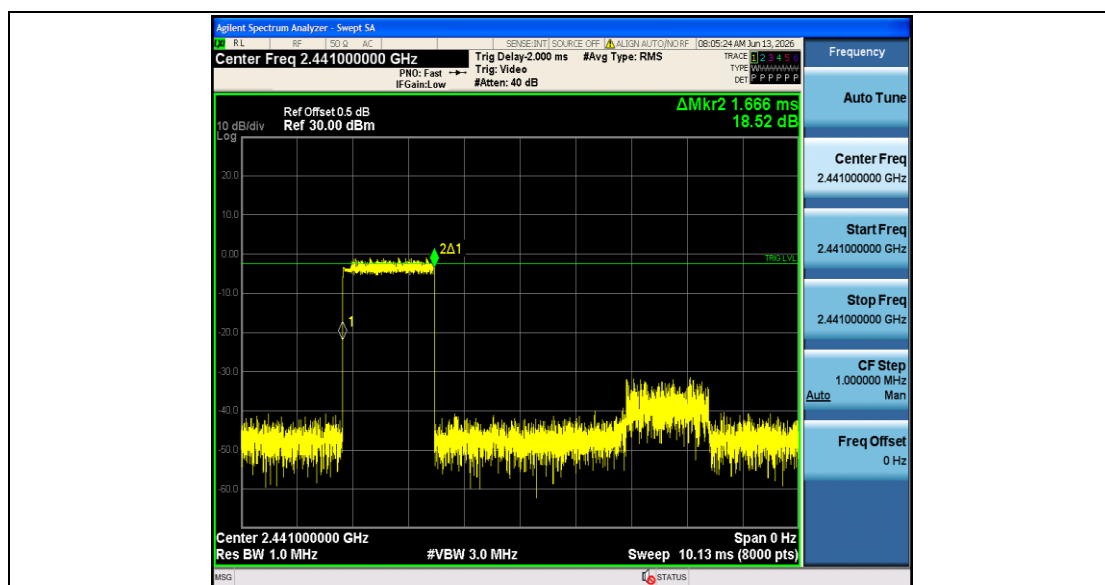




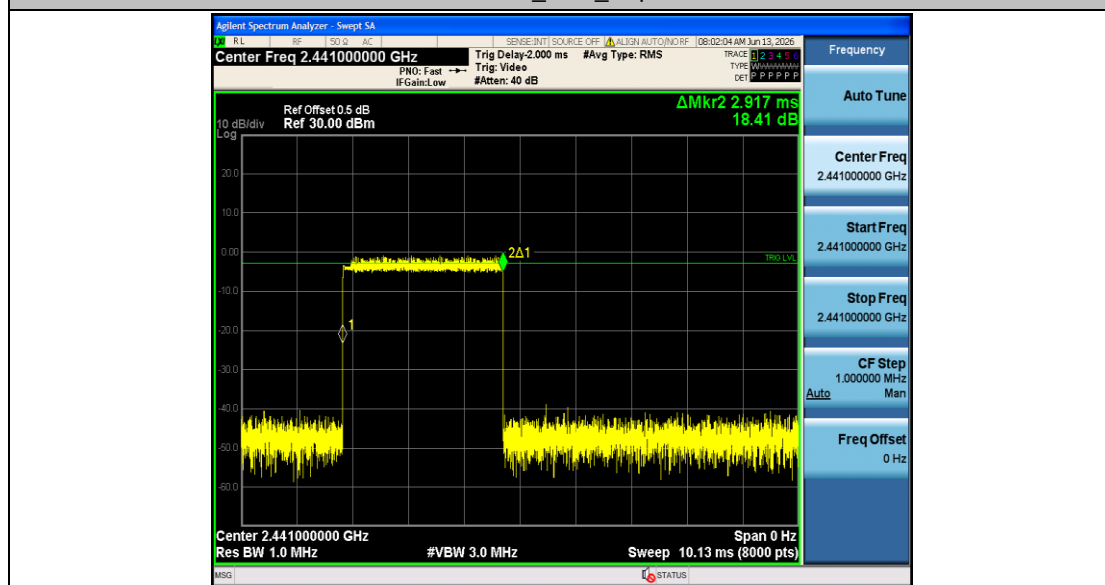
3DH1_Ant1_Hop

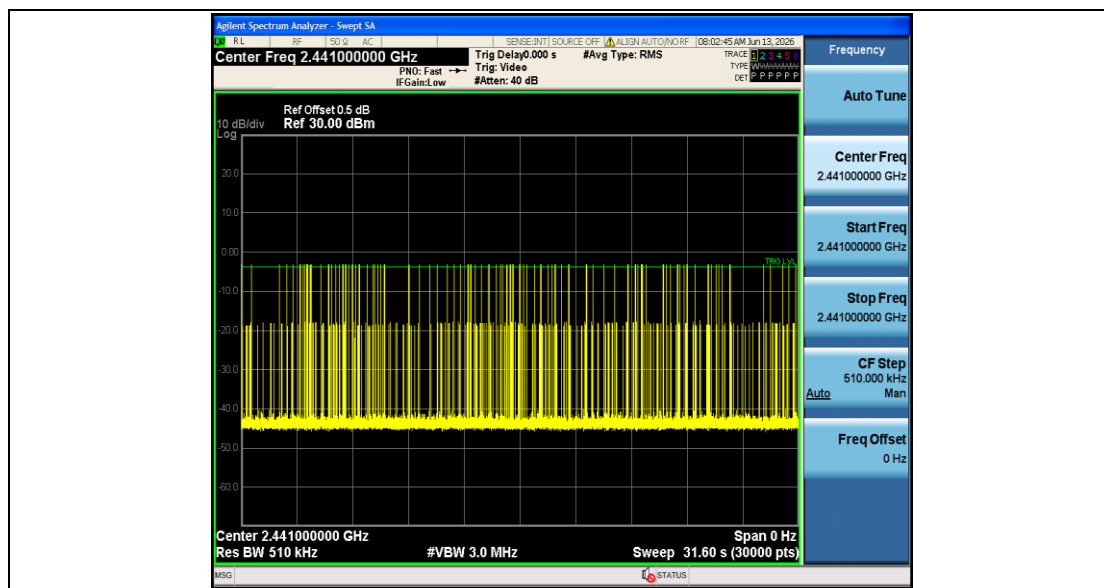


3DH3_Ant1_Hop



3DH5_Ant1_Hop



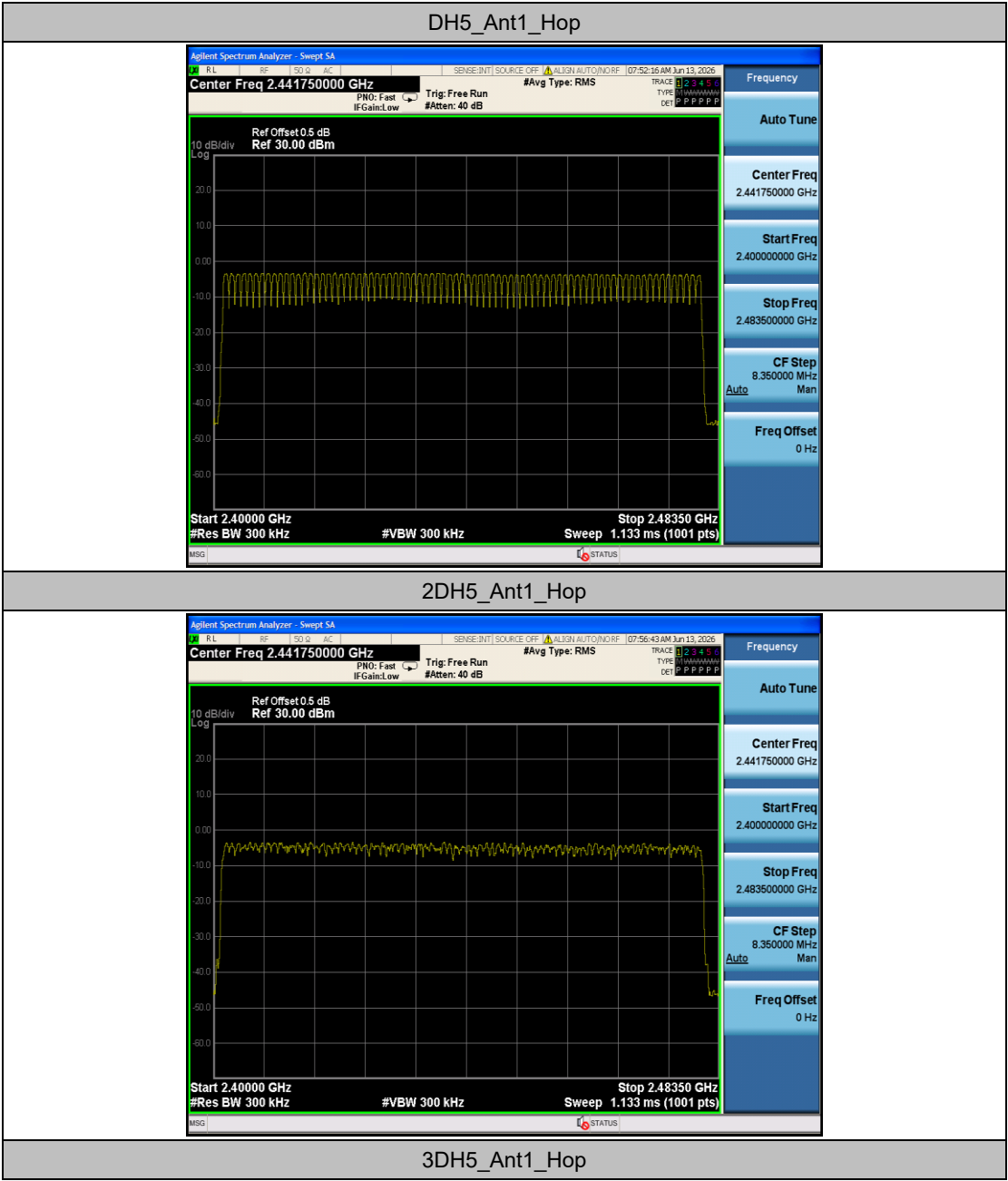


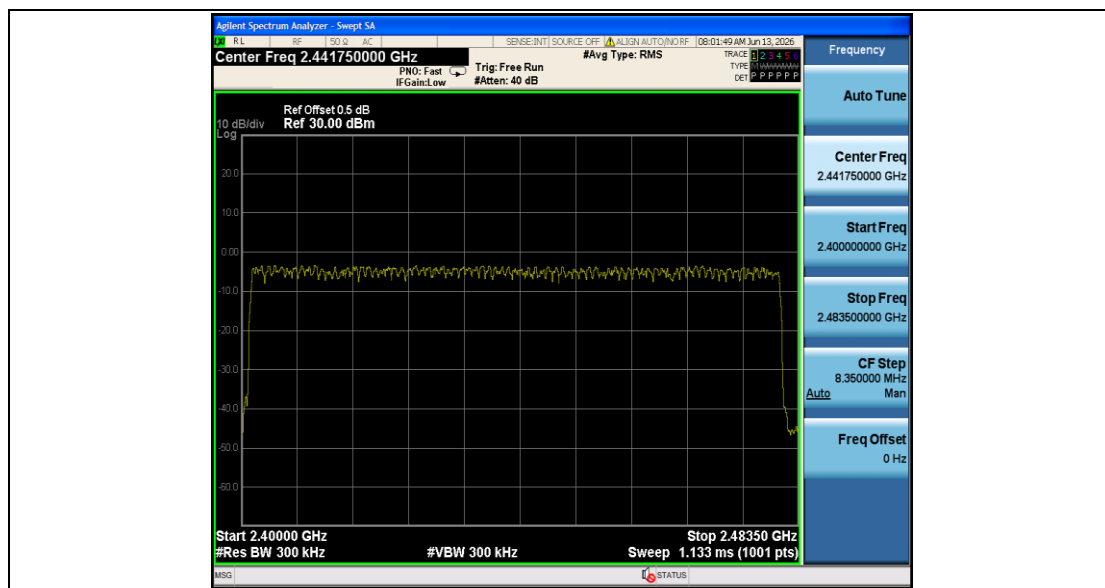
Appendix F: Number of hopping channels

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



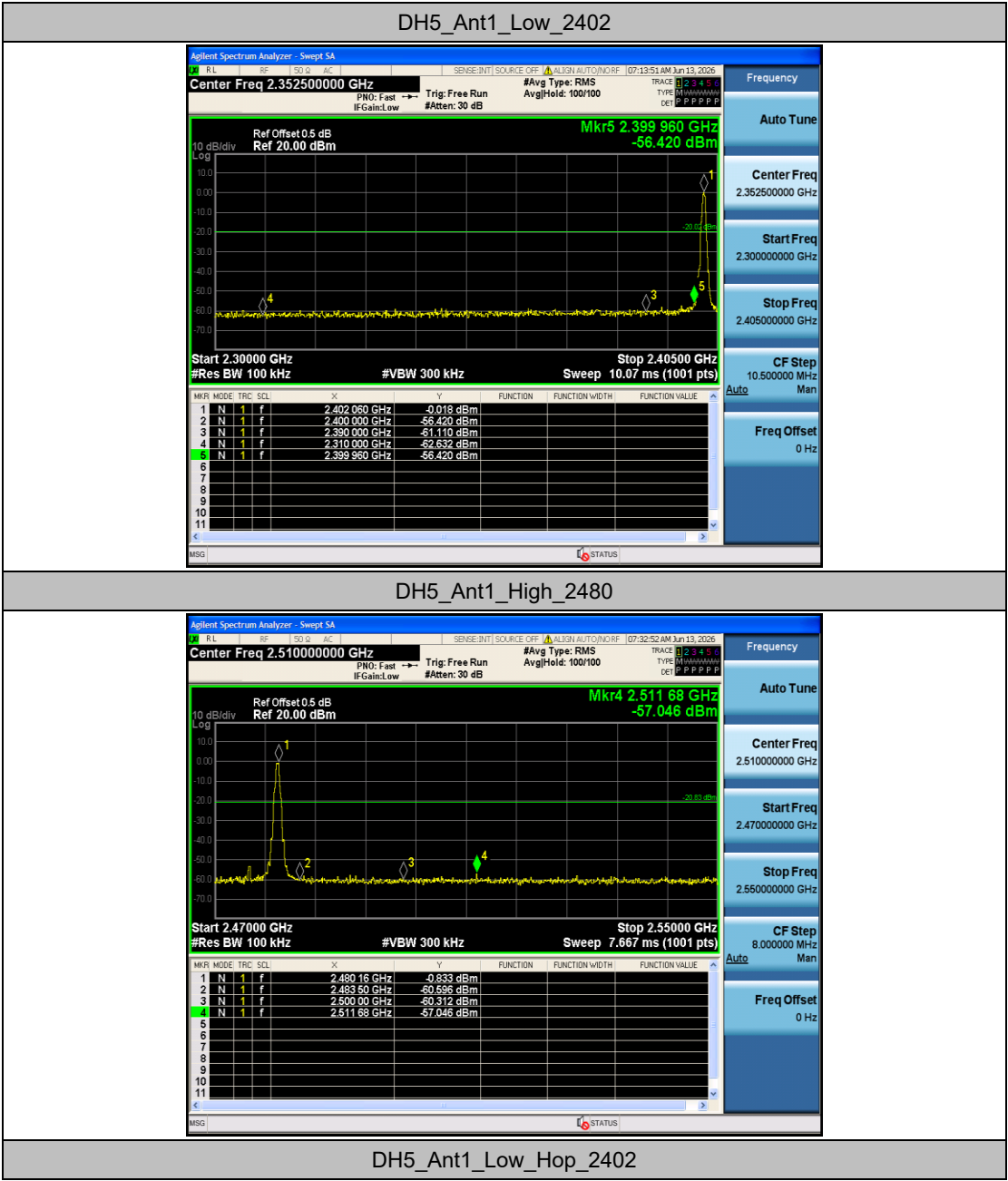


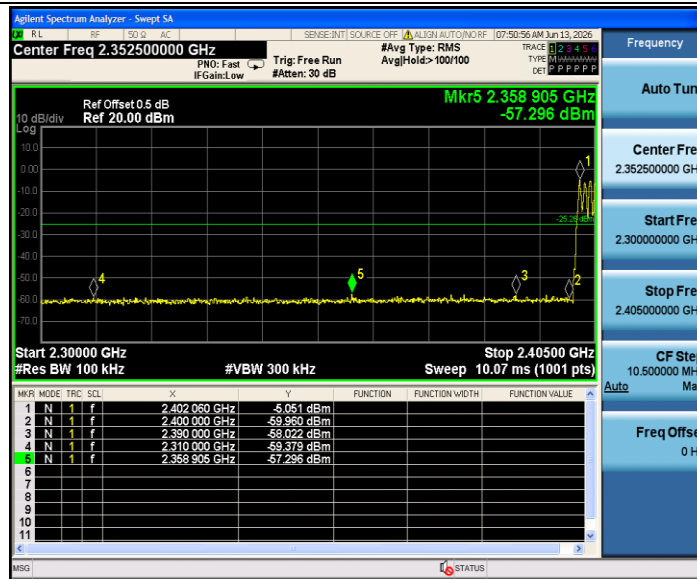
Appendix G: Band edge measurements

Test Result

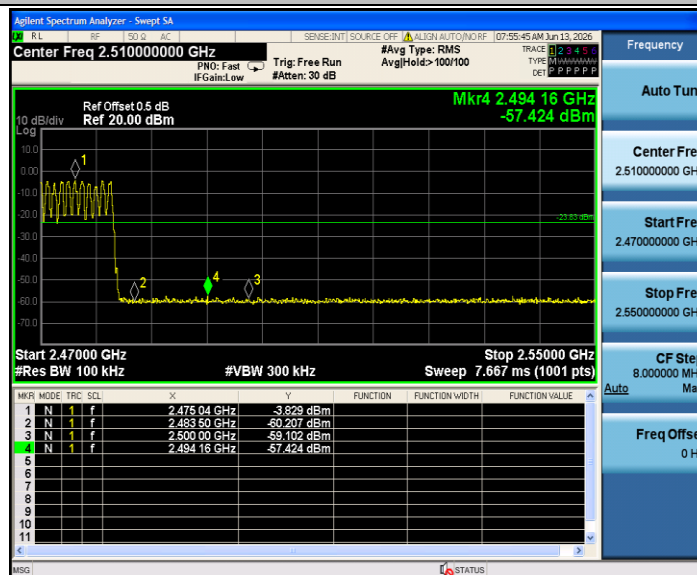
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.02	-56.42	≤-20.02	PASS
		High	2480	-0.83	-57.05	≤-20.83	PASS
		Low	Hop_2402	-5.26	-57.3	≤-25.26	PASS
		High	Hop_2480	-3.83	-57.42	≤-23.83	PASS
2DH5	Ant1	Low	2402	-4.54	-56.3	≤-24.54	PASS
		High	2480	-3.61	-58.01	≤-23.61	PASS
		Low	Hop_2402	-5.11	-58.22	≤-25.11	PASS
		High	Hop_2480	-3.69	-57.57	≤-23.69	PASS
3DH5	Ant1	Low	2402	-5.55	-56.59	≤-25.55	PASS
		High	2480	-5.12	-56.39	≤-25.12	PASS
		Low	Hop_2402	-6.84	-57.86	≤-26.84	PASS
		High	Hop_2480	-4.79	-57.67	≤-24.79	PASS

Test Graphs

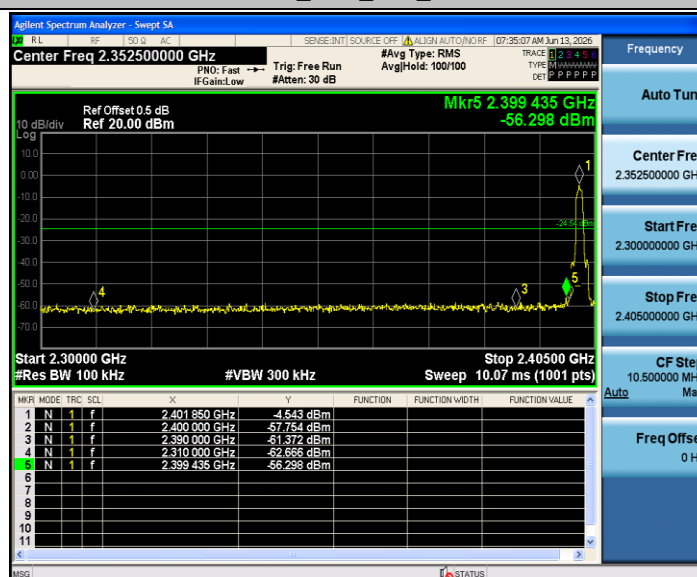




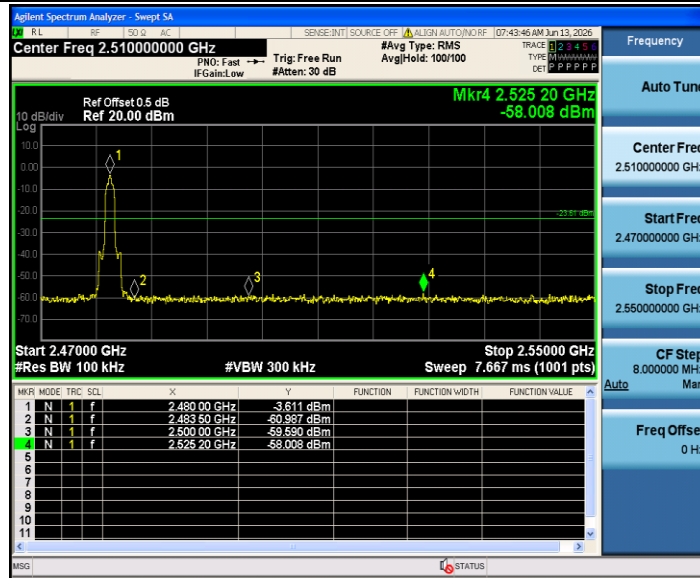
DH5_Ant1_High_Hop_2480



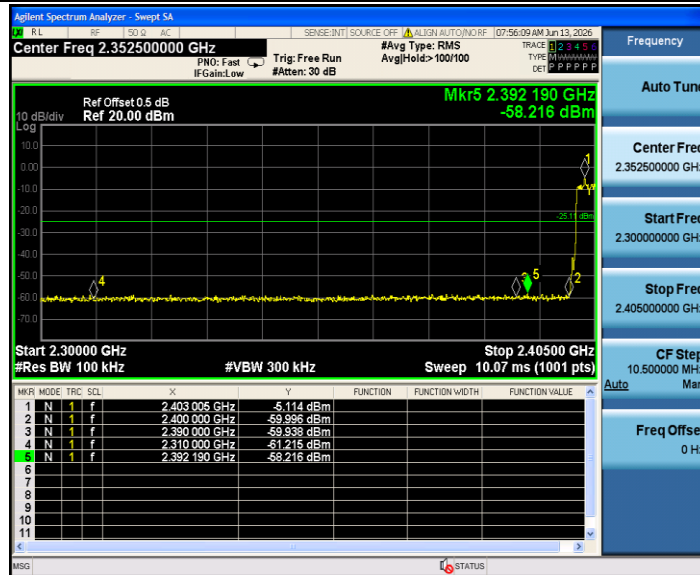
2DH5_Ant1_Low_2402



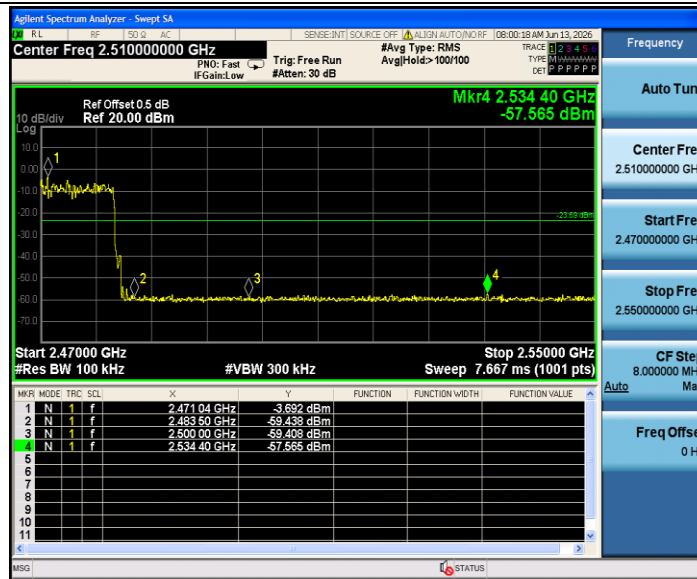
2DH5_Ant1_High_2480



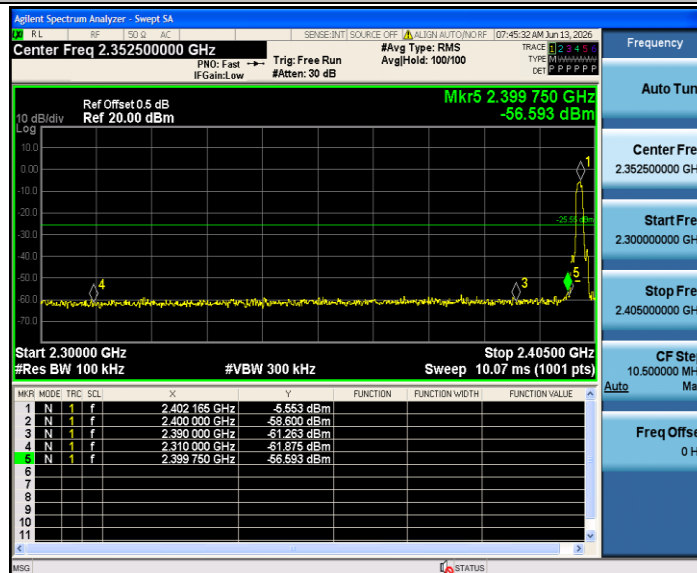
2DH5_Ant1_Low_Hop_2402



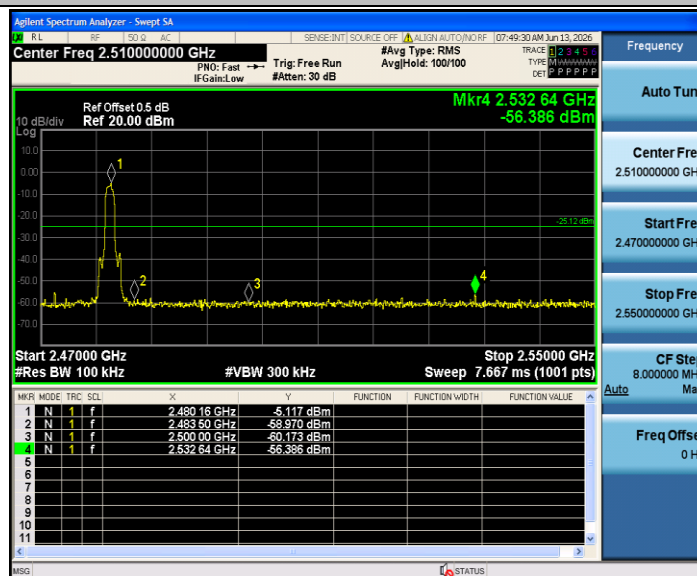
2DH5_Ant1_High_Hop_2480



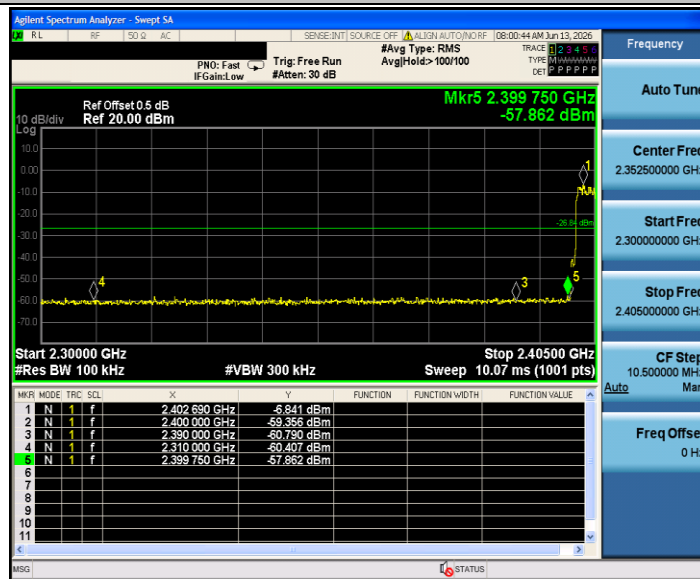
3DH5_Ant1_Low_2402



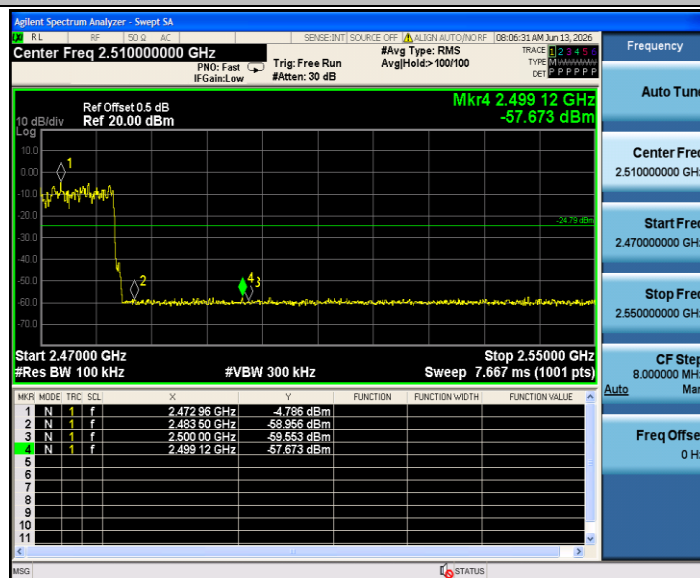
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

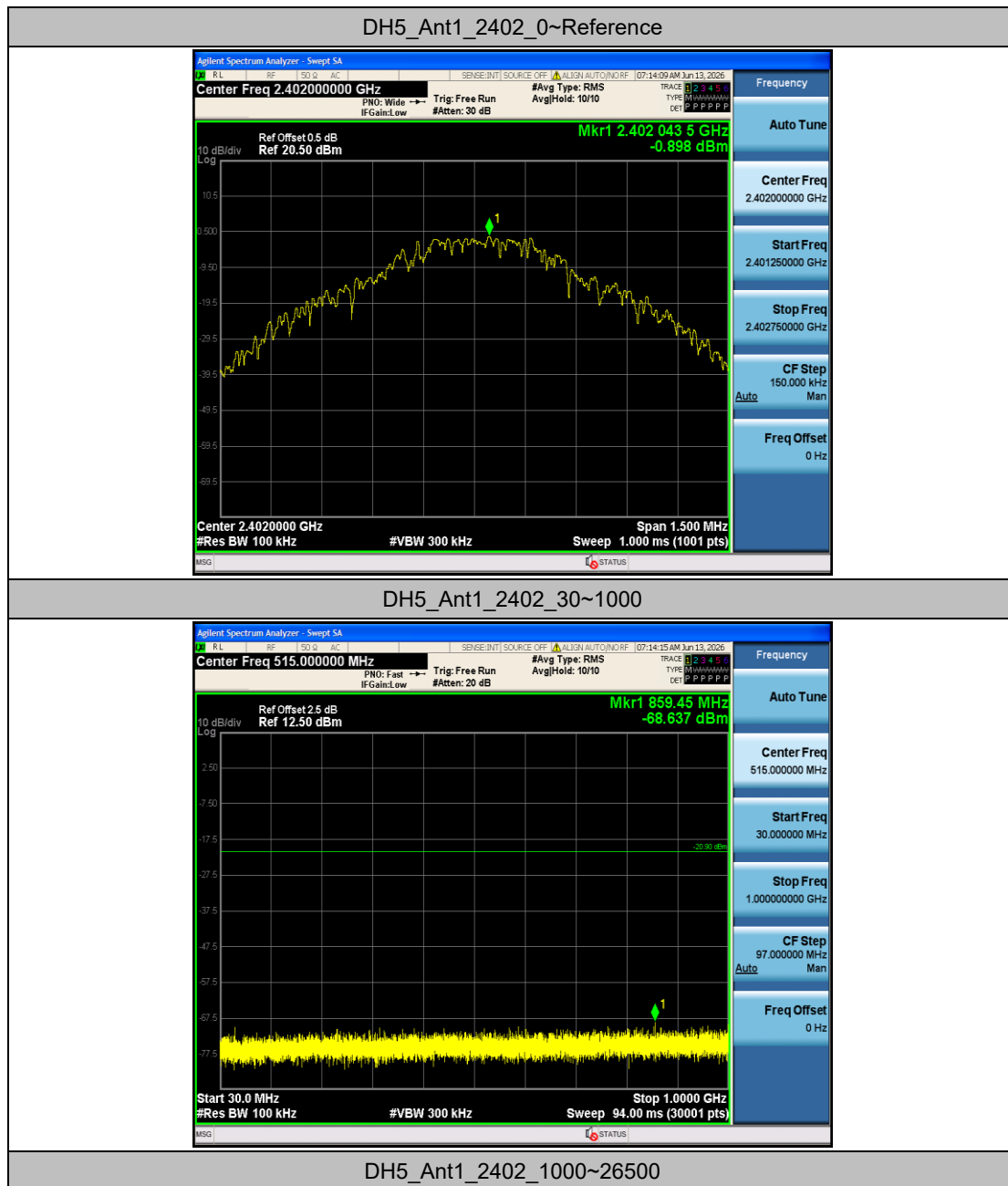


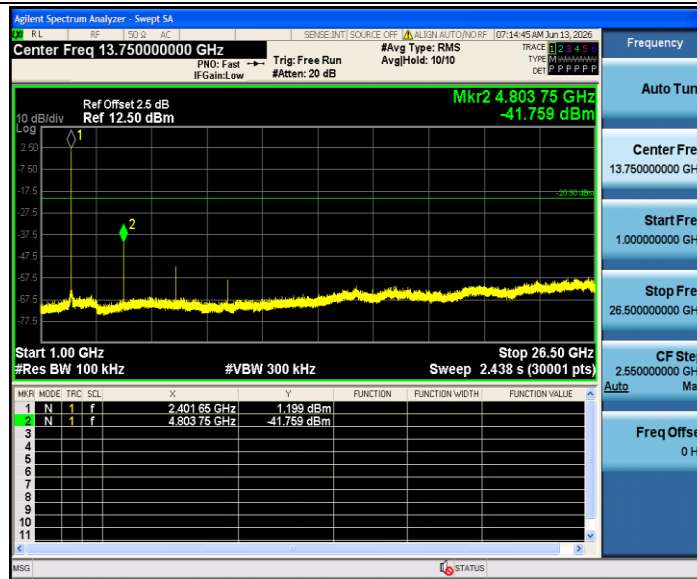
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.90	-0.90	---	PASS
			30~1000	-0.90	-68.64	≤-20.9	PASS
			1000~26500	-0.90	-41.76	≤-20.9	PASS
		2441	Reference	-1.23	-1.23	---	PASS
			30~1000	-1.23	-69.12	≤-21.23	PASS
			1000~26500	-1.23	-41.3	≤-21.23	PASS
		2480	Reference	-0.40	-0.40	---	PASS
			30~1000	-0.40	-69.06	≤-20.4	PASS
			1000~26500	-0.40	-41.59	≤-20.4	PASS
2DH5	Ant1	2402	Reference	-4.20	-4.20	---	PASS
			30~1000	-4.20	-69.28	≤-24.2	PASS
			1000~26500	-4.20	-47.4	≤-24.2	PASS
		2441	Reference	-5.46	-5.46	---	PASS
			30~1000	-5.46	-68.97	≤-25.46	PASS
			1000~26500	-5.46	-48.42	≤-25.46	PASS
		2480	Reference	-6.62	-6.62	---	PASS
			30~1000	-6.62	-67.89	≤-26.62	PASS
			1000~26500	-6.62	-48.81	≤-26.62	PASS
3DH5	Ant1	2402	Reference	-6.63	-6.63	---	PASS
			30~1000	-6.63	-68.09	≤-26.63	PASS
			1000~26500	-6.63	-47.88	≤-26.63	PASS
		2441	Reference	-4.65	-4.65	---	PASS
			30~1000	-4.65	-68.79	≤-24.65	PASS
			1000~26500	-4.65	-47.48	≤-24.65	PASS
		2480	Reference	-6.36	-6.36	---	PASS
			30~1000	-6.36	-67.76	≤-26.36	PASS
			1000~26500	-6.36	-48.96	≤-26.36	PASS

Test Graphs

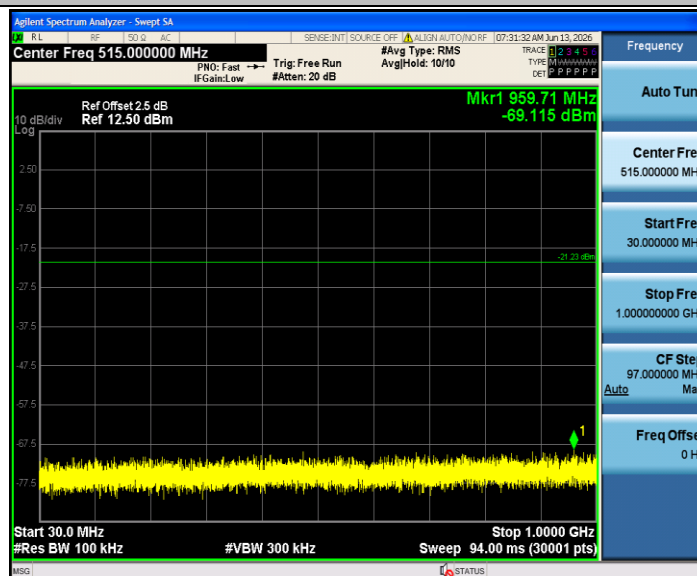




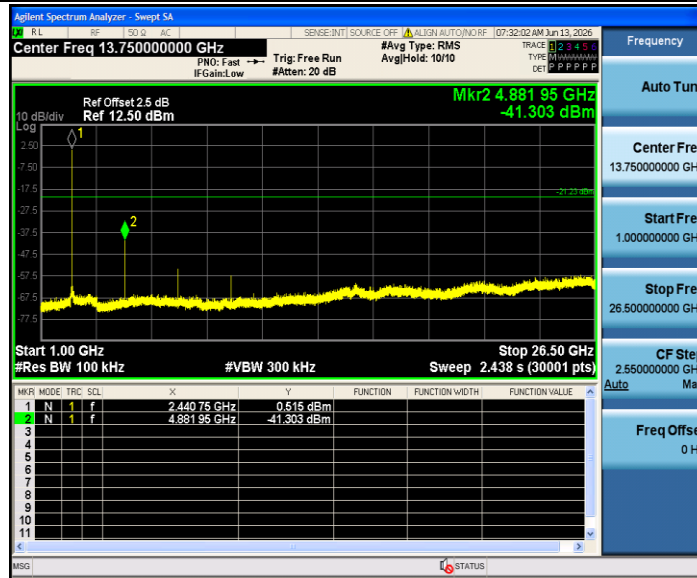
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



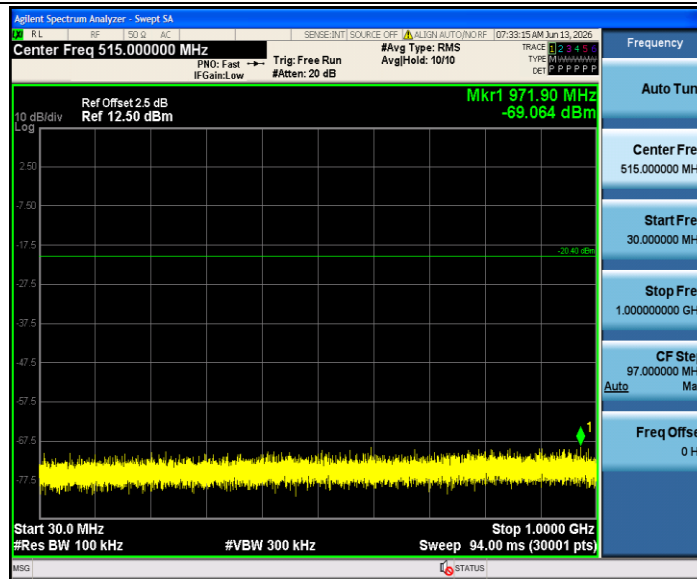
DH5_Ant1_2441_1000~26500



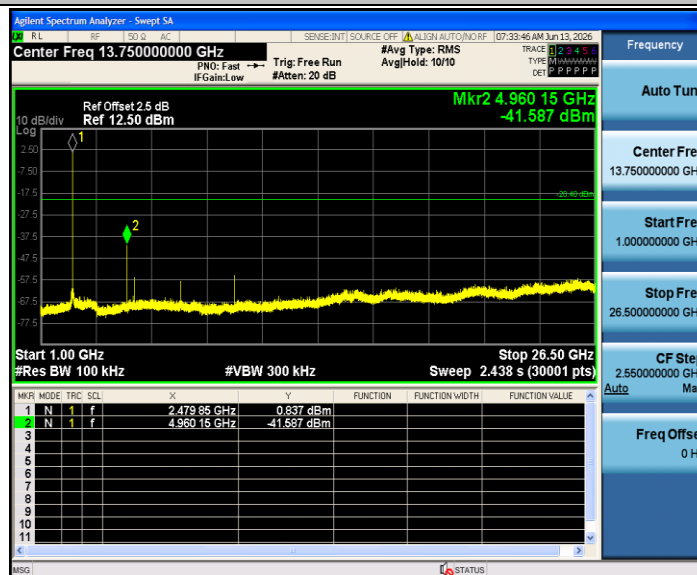
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

