

FCC Appendix RF Test Data for BT

FCC ID : 2BSR8-MP06

Company : Shenzhen Weishidai Technology Co., Ltd.

EUT : MUCW Palm of Your Hand Wireless Speaker

Model Number : MP06

Report No. : CTA26060900801

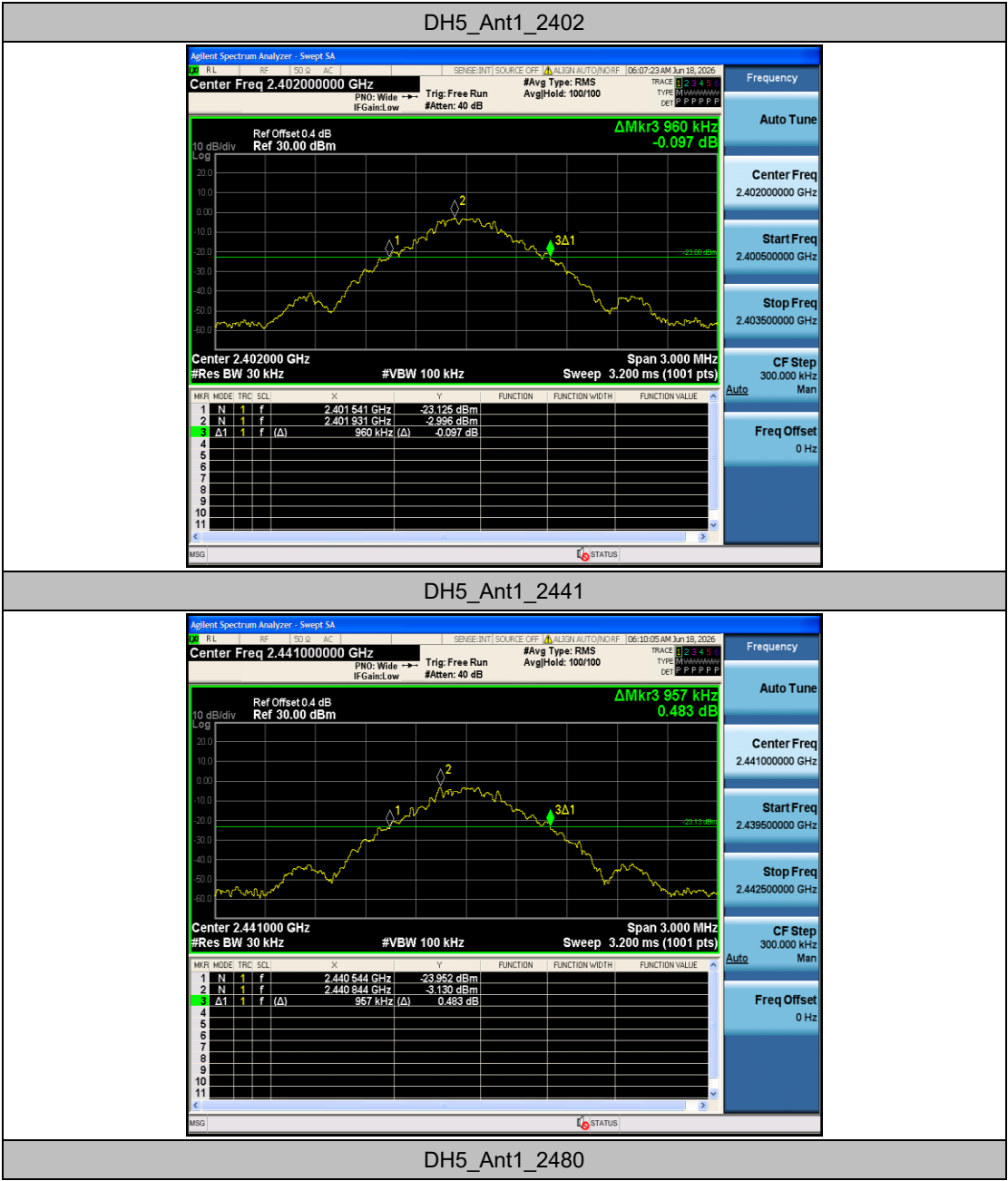
Reviewed By : Eric Wang

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	0.957	2440.544	2441.501	---	---
		2480	0.963	2479.541	2480.504	---	---
2DH5	Ant1	2402	1.290	2401.376	2402.666	---	---
		2441	1.284	2440.379	2441.663	---	---
		2480	1.284	2479.376	2480.660	---	---
3DH5	Ant1	2402	1.317	2401.355	2402.672	---	---
		2441	1.275	2440.382	2441.657	---	---
		2480	1.284	2479.370	2480.654	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

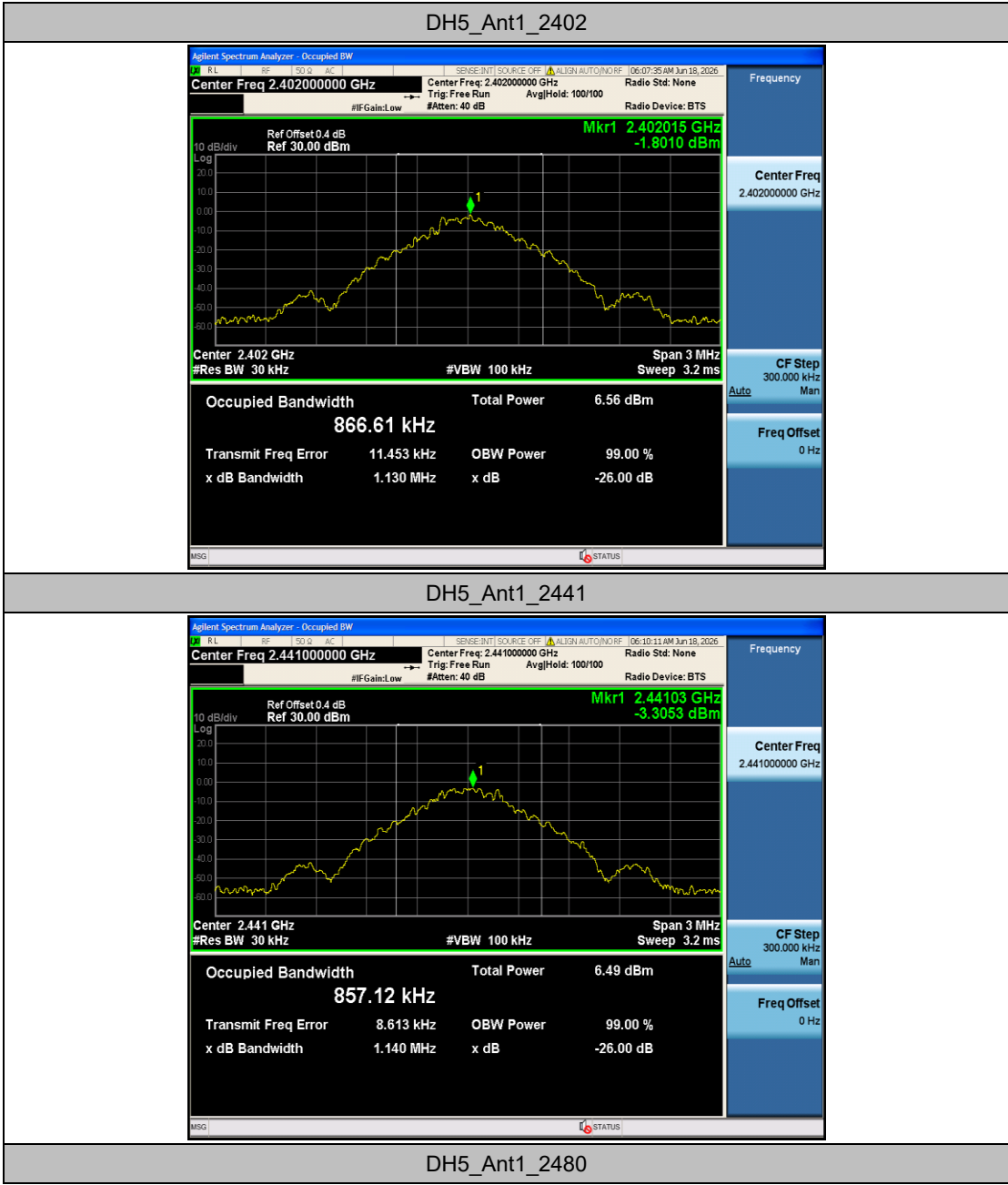


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86661	2401.5781	2402.4448	---	---
		2441	0.85712	2440.5801	2441.4372	---	---
		2480	0.86810	2479.5762	2480.4443	---	---
2DH5	Ant1	2402	1.1900	2401.4167	2402.6067	---	---
		2441	1.1916	2440.4174	2441.6090	---	---
		2480	1.1869	2479.4171	2480.6040	---	---
3DH5	Ant1	2402	1.1821	2401.4241	2402.6062	---	---
		2441	1.2001	2440.4109	2441.6110	---	---
		2480	1.1941	2479.4122	2480.6063	---	---

Test Graphs





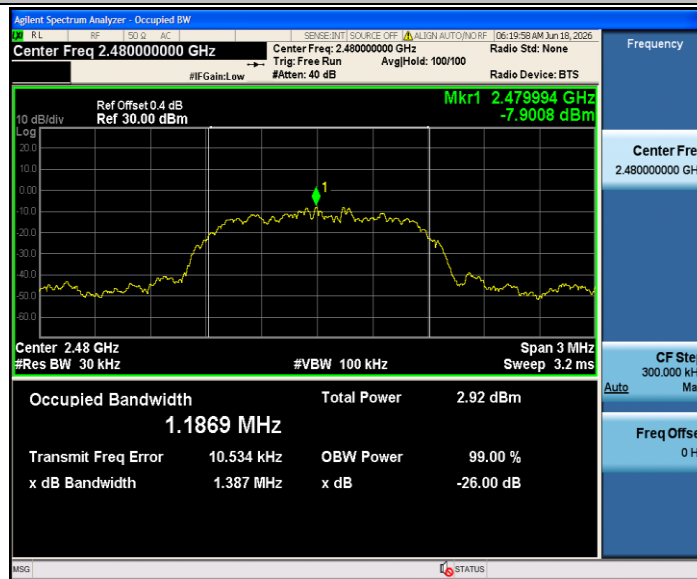
2DH5_Ant1_2402



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	-0.09	≤20.97	PASS
		2441	-0.21	≤20.97	PASS
		2480	-0.23	≤20.97	PASS
2DH5	Ant1	2402	-0.84	≤20.97	PASS
		2441	-0.84	≤20.97	PASS
		2480	-1.09	≤20.97	PASS
3DH5	Ant1	2402	-0.39	≤20.97	PASS
		2441	-0.48	≤20.97	PASS
		2480	-0.66	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.982	≥ 0.963	PASS
2DH5	Ant1	Hop	0.96	≥ 0.860	PASS
3DH5	Ant1	Hop	1.018	≥ 0.878	PASS

Test Graphs



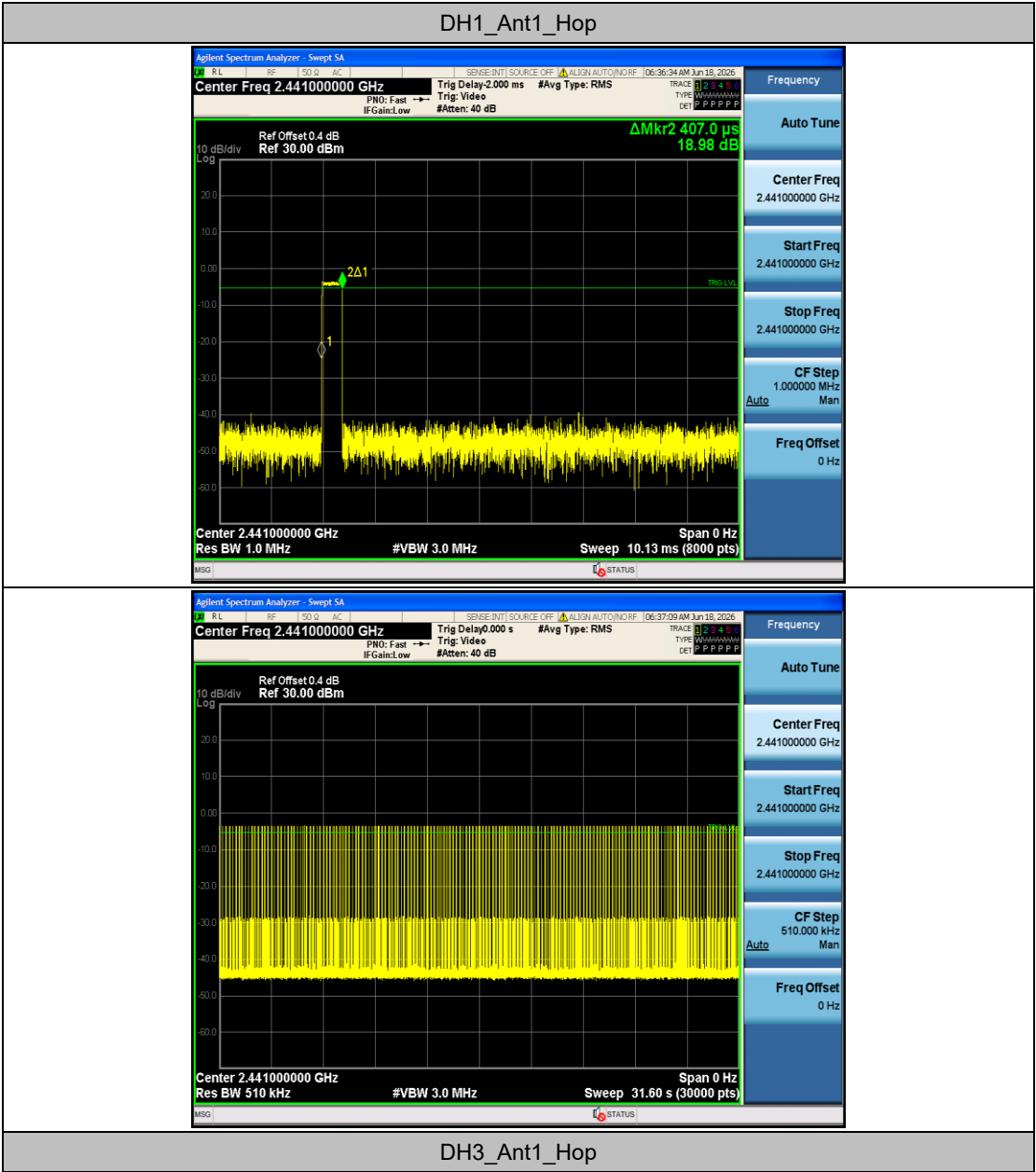


Appendix E: Time of occupancy

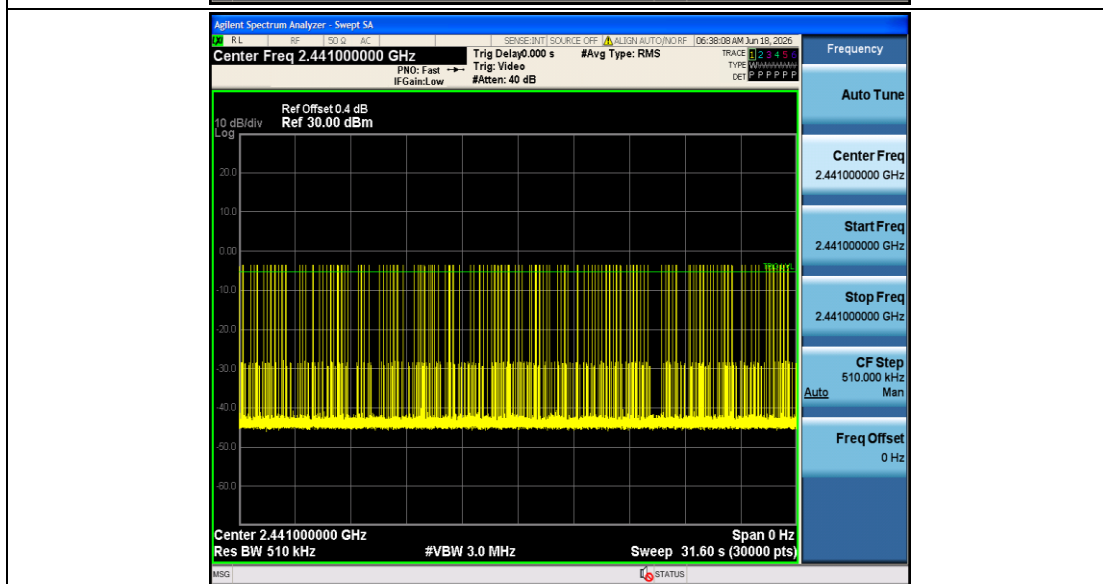
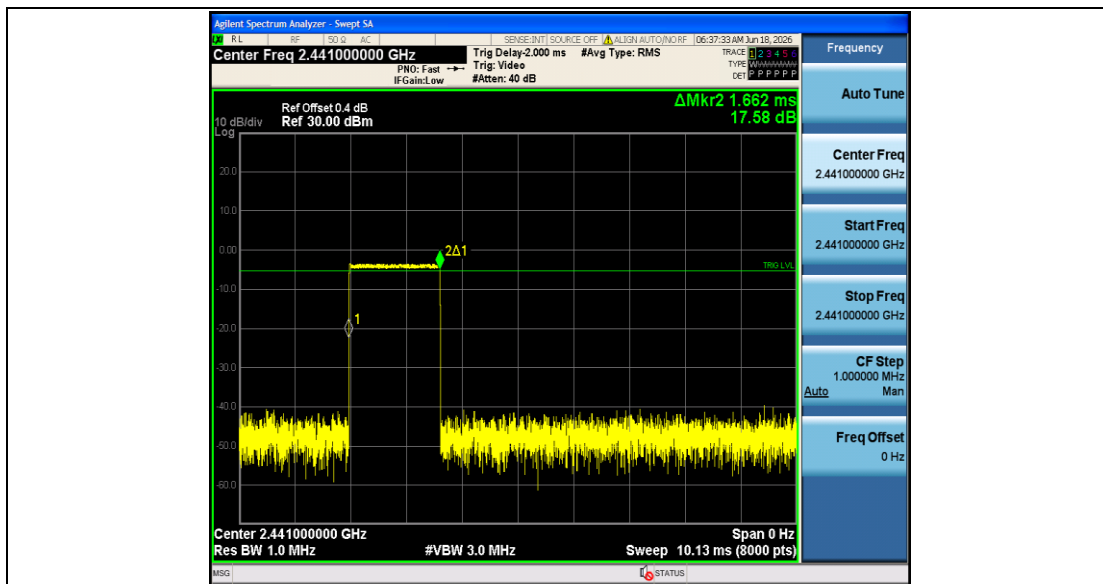
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.407	318	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	160	0.266	≤0.4	PASS
DH5	Ant1	Hop	2.910	112	0.326	≤0.4	PASS
2DH1	Ant1	Hop	0.415	314	0.13	≤0.4	PASS
2DH3	Ant1	Hop	1.667	147	0.245	≤0.4	PASS
2DH5	Ant1	Hop	2.916	89	0.26	≤0.4	PASS
3DH1	Ant1	Hop	0.415	314	0.13	≤0.4	PASS
3DH3	Ant1	Hop	1.666	161	0.268	≤0.4	PASS
3DH5	Ant1	Hop	2.916	105	0.306	≤0.4	PASS

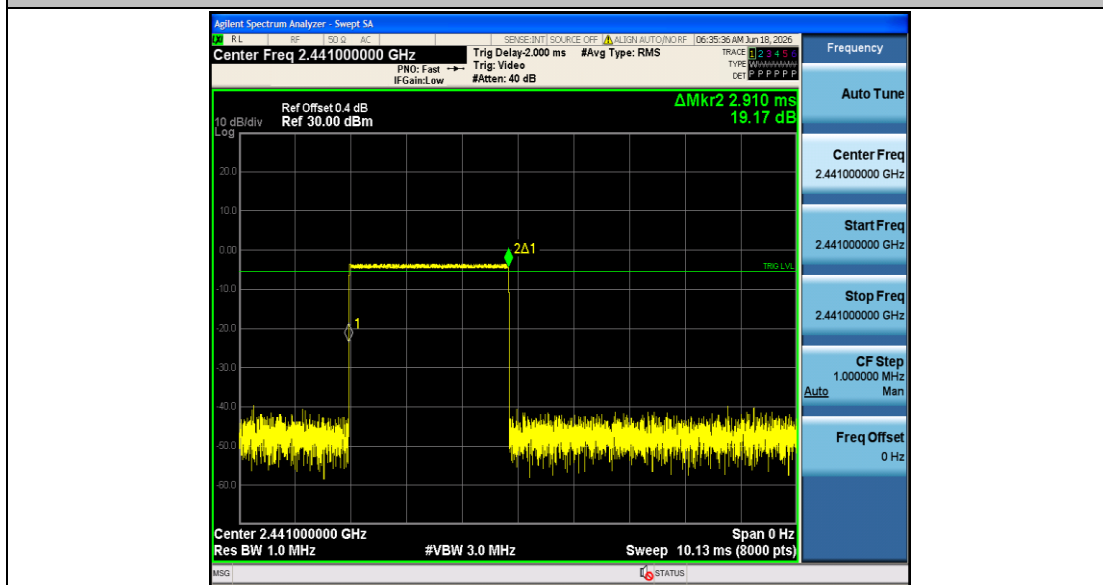
Test Graphs

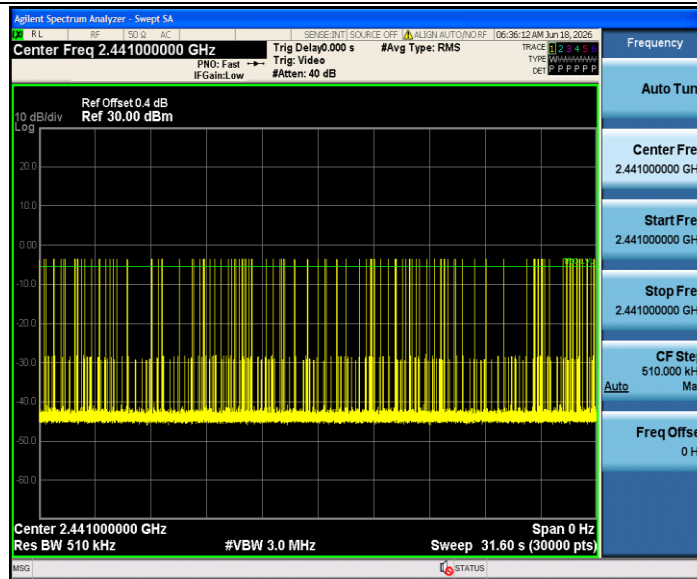


DH3_Ant1_Hop

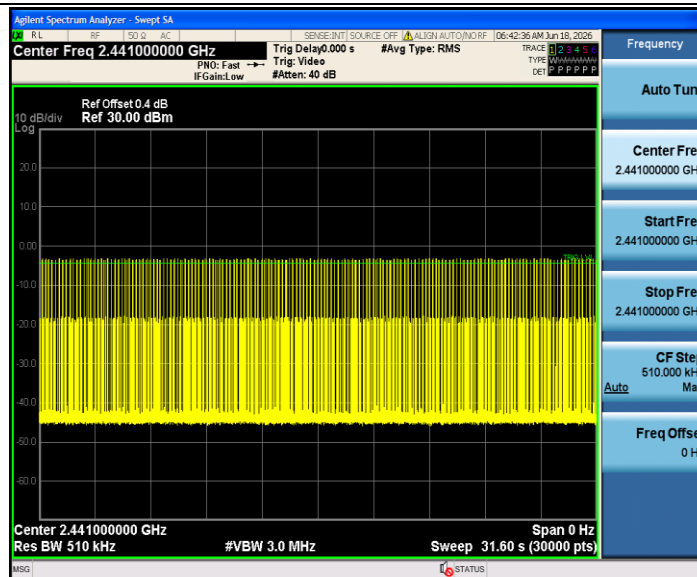
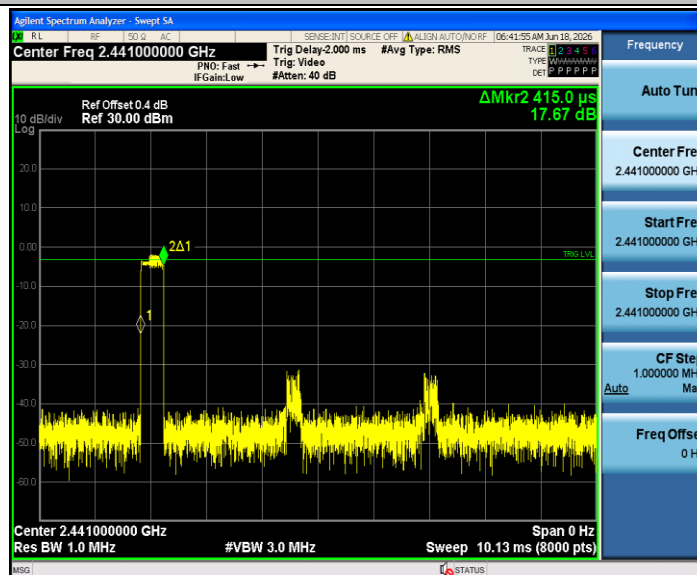


DH5_Ant1_Hop

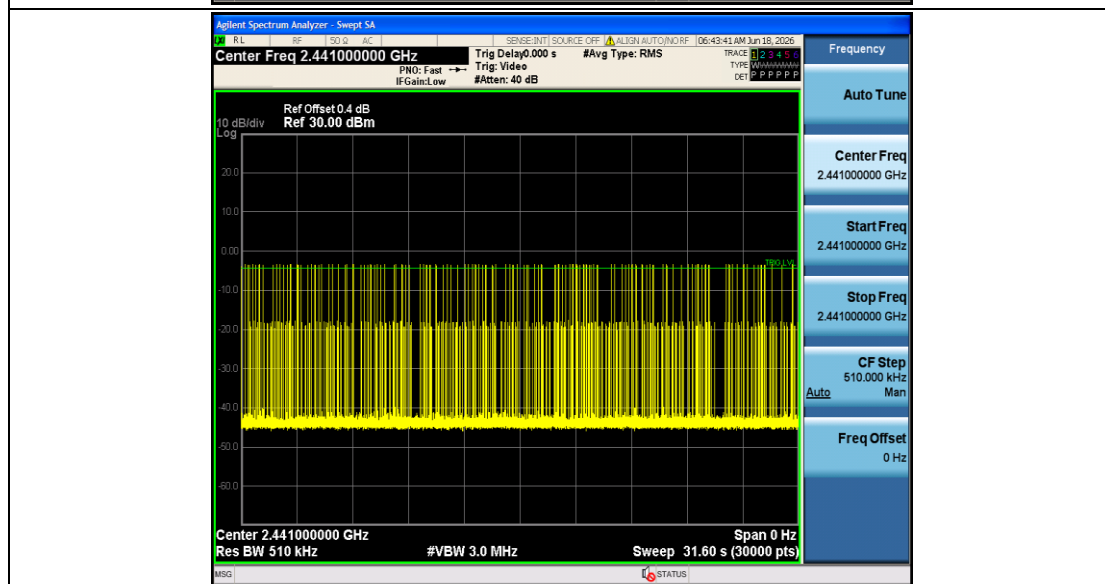
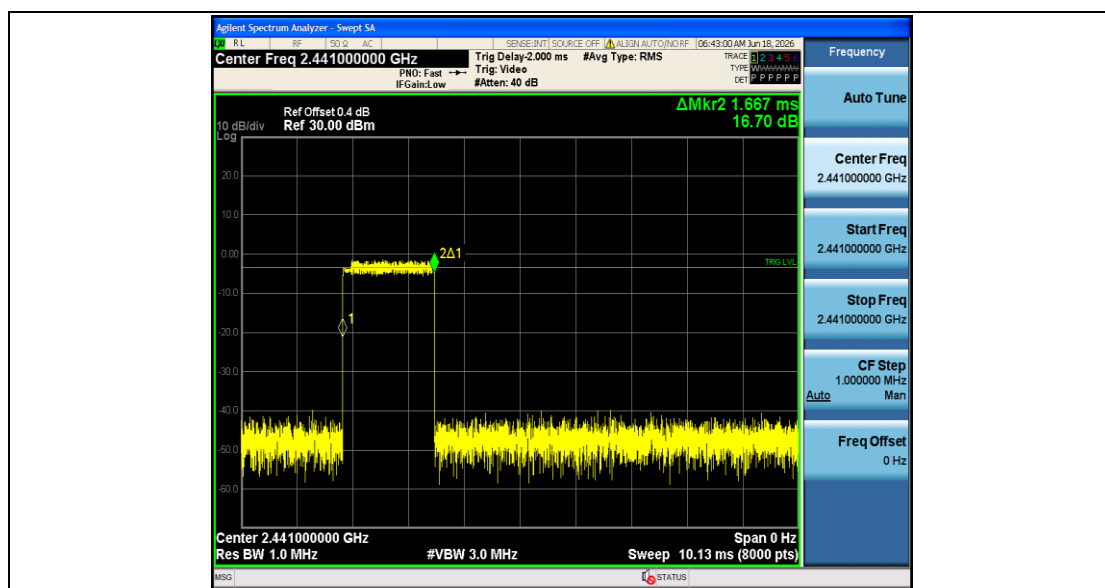




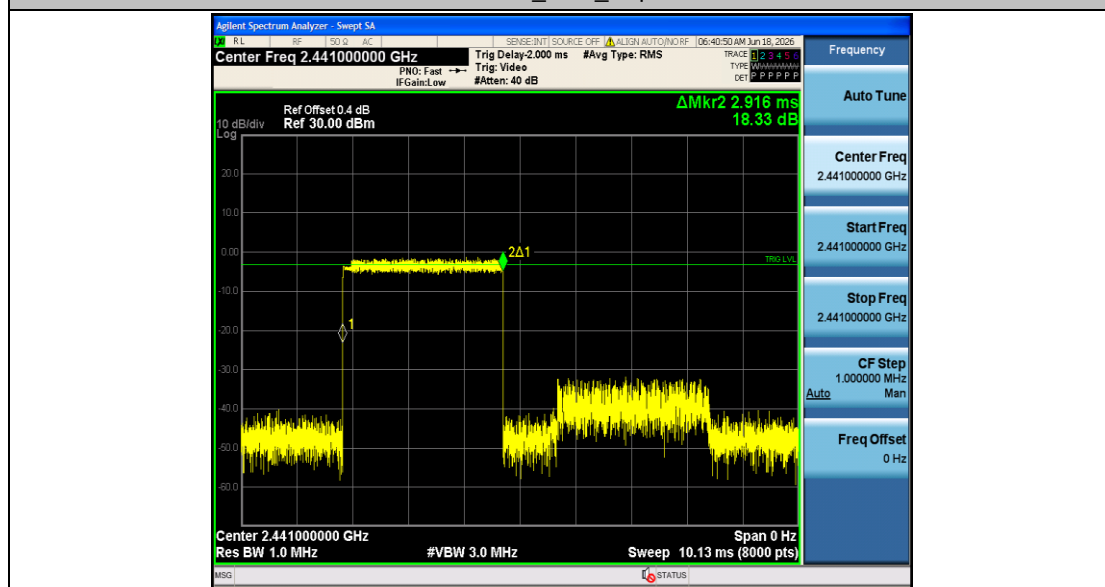
2DH1_Ant1_Hop

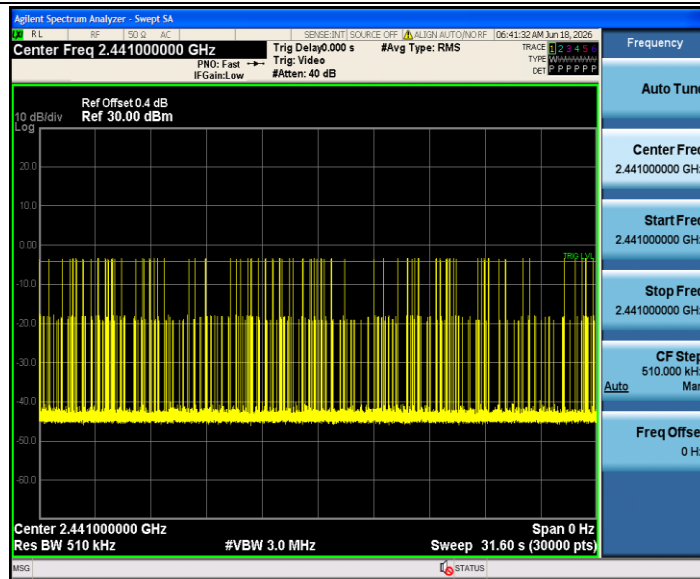


2DH3_Ant1_Hop

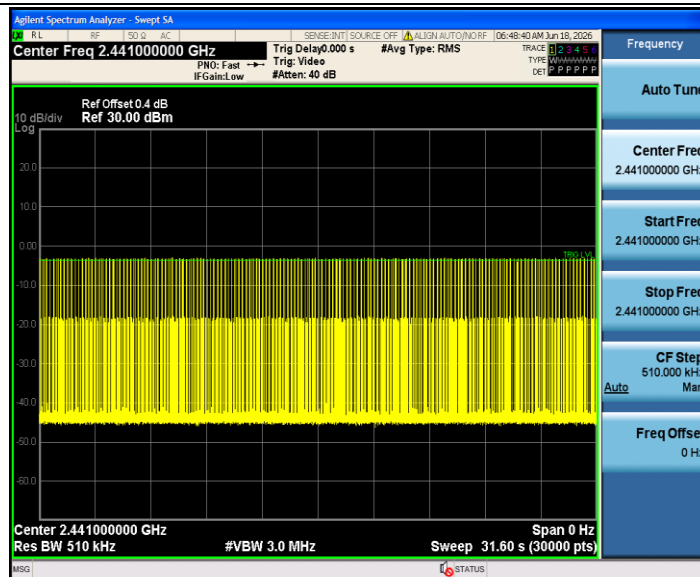
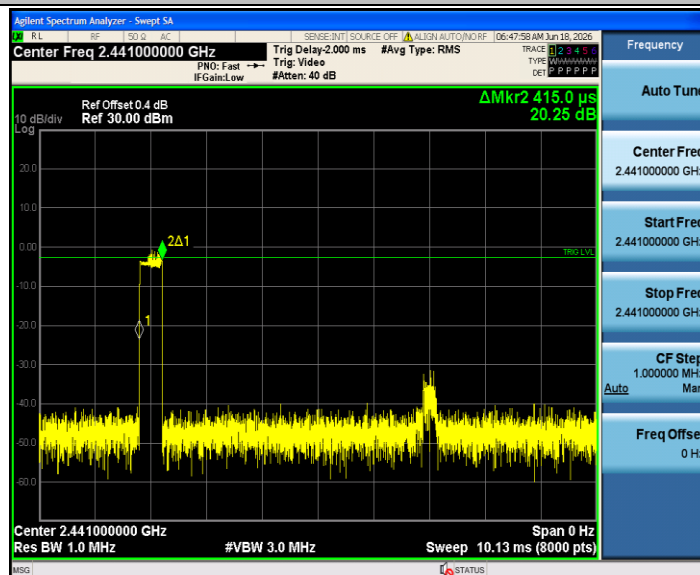


2DH5_Ant1_Hop

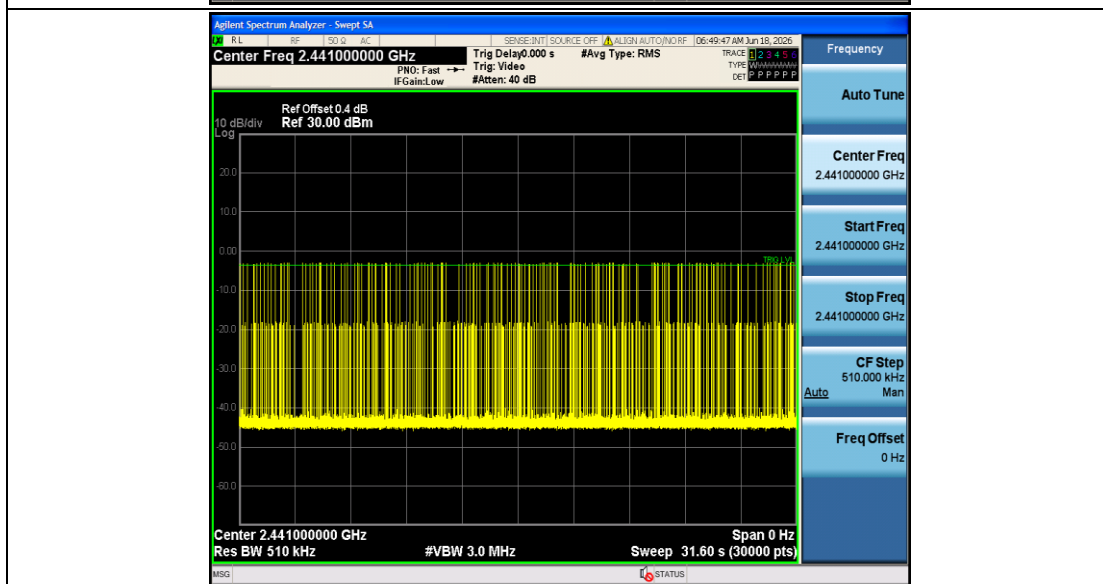
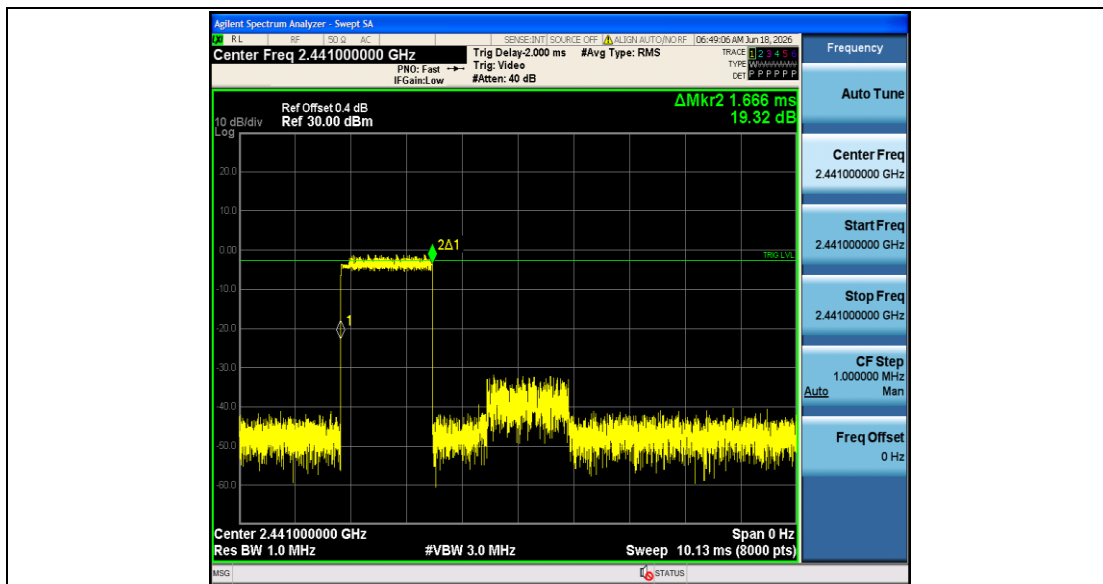




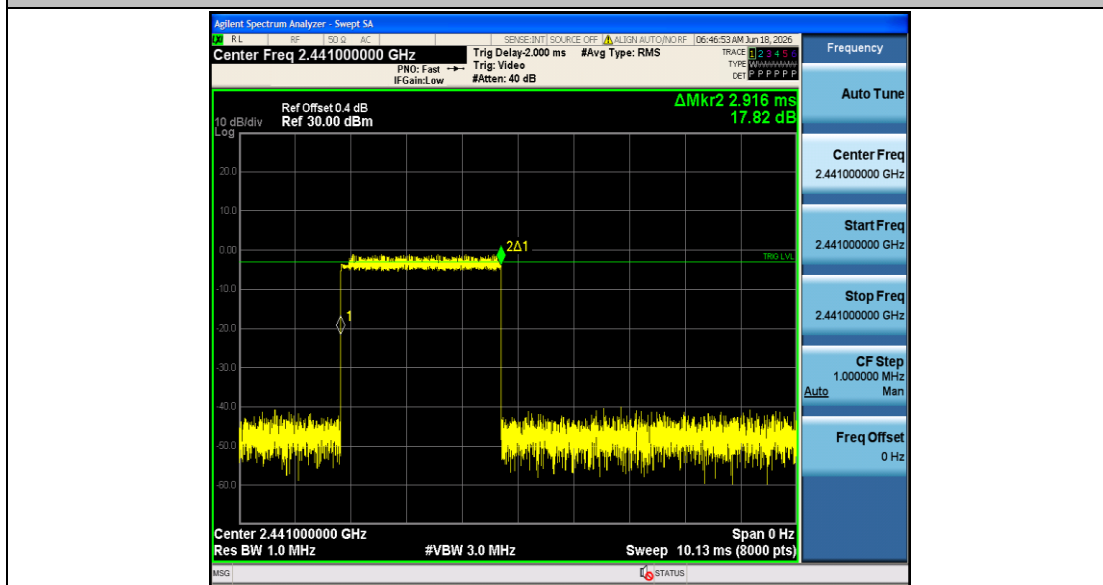
3DH1_Ant1_Hop

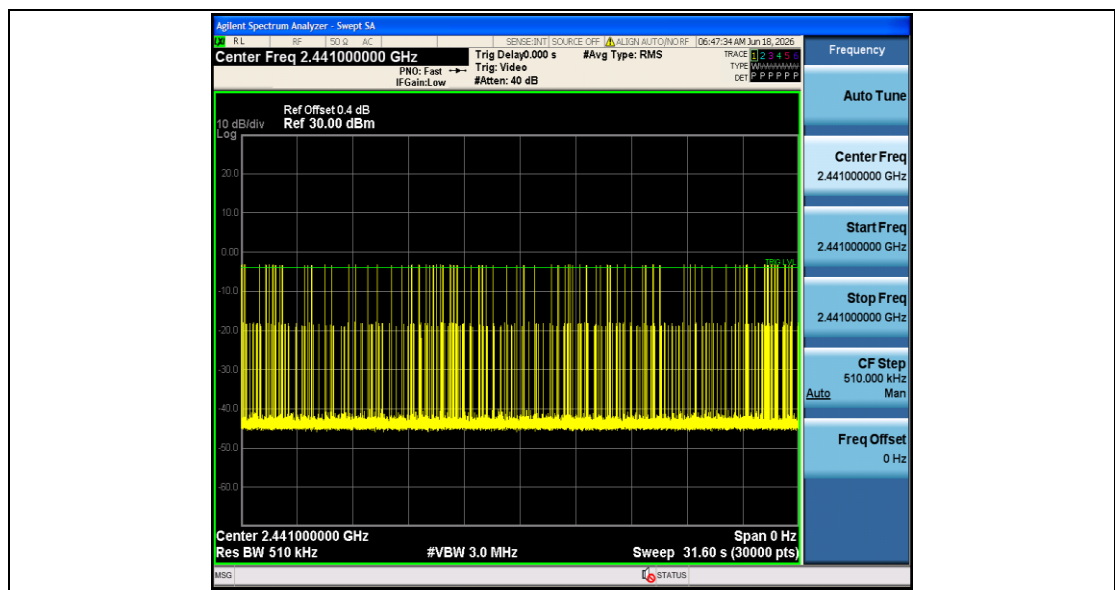


3DH3_Ant1_Hop



3DH5_Ant1_Hop



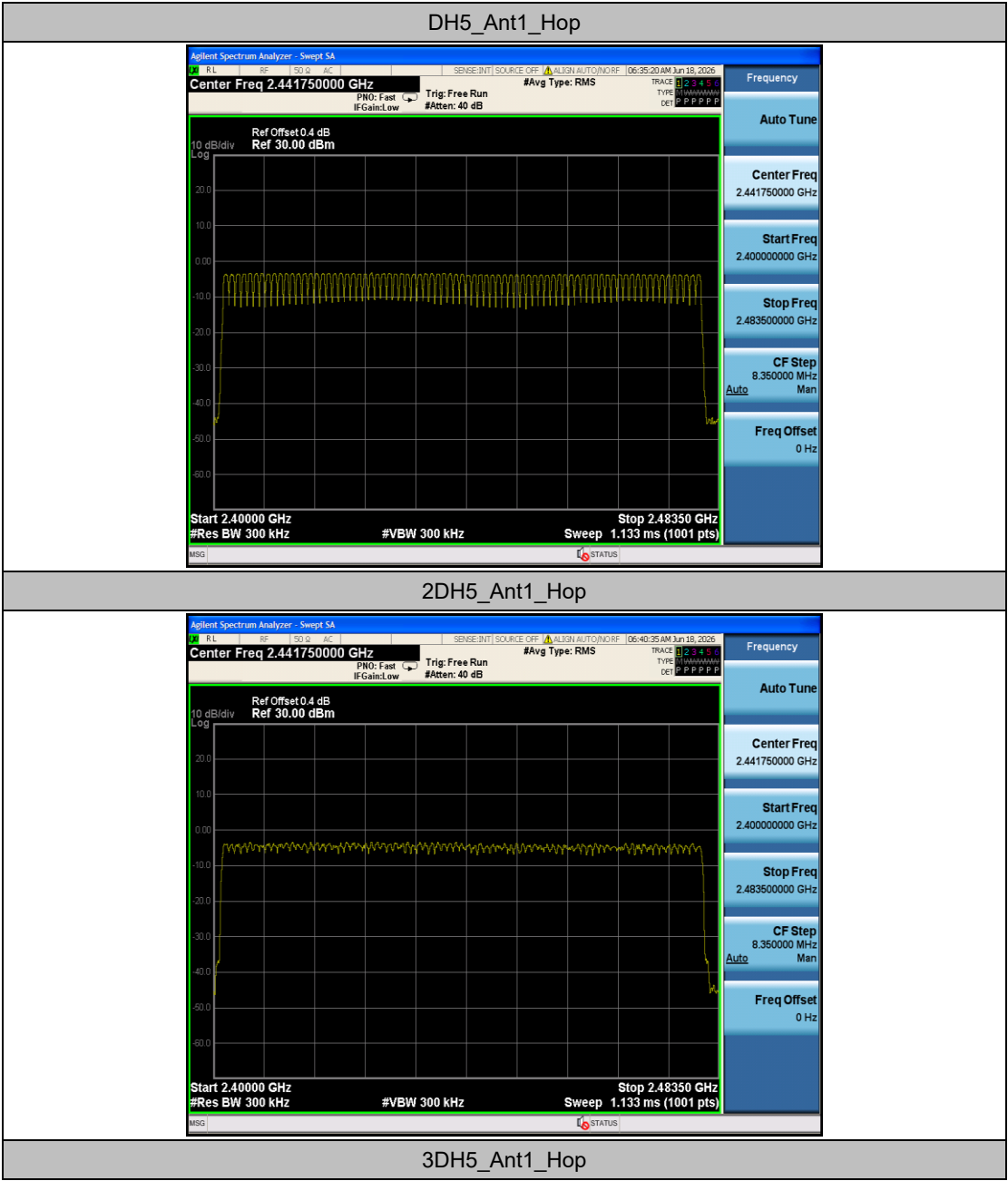


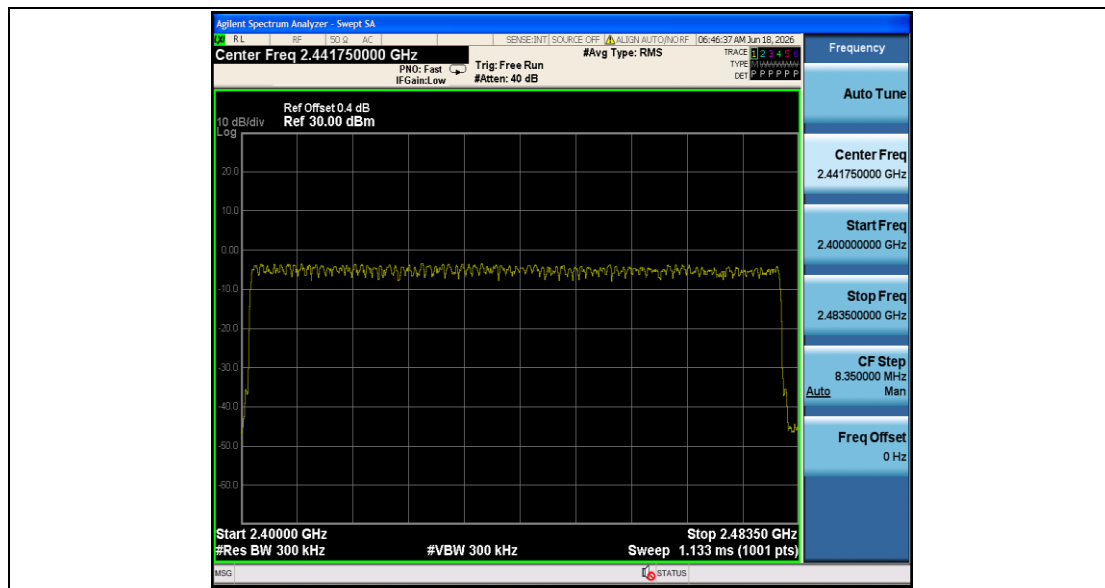
Appendix F: Number of hopping channels

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



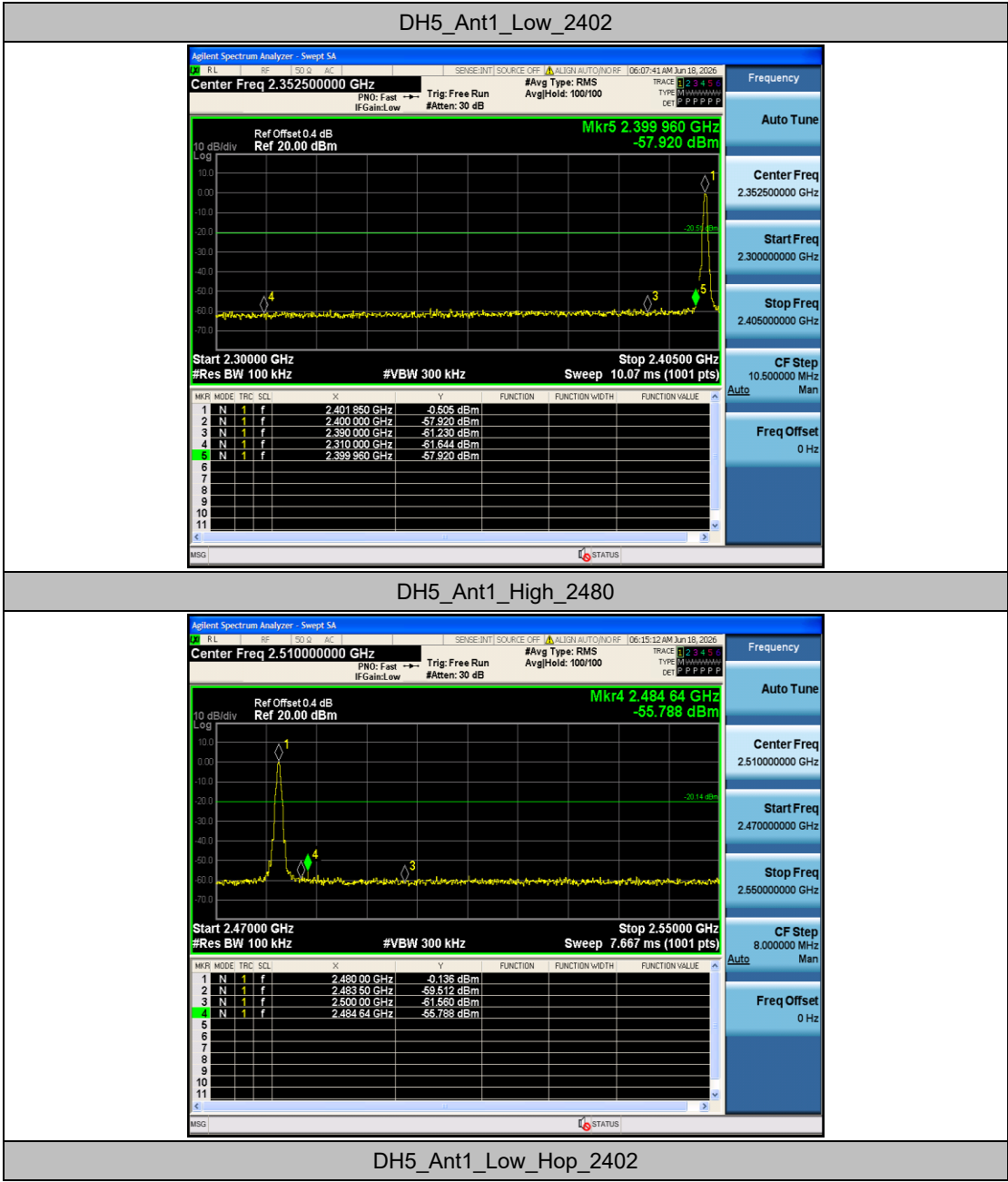


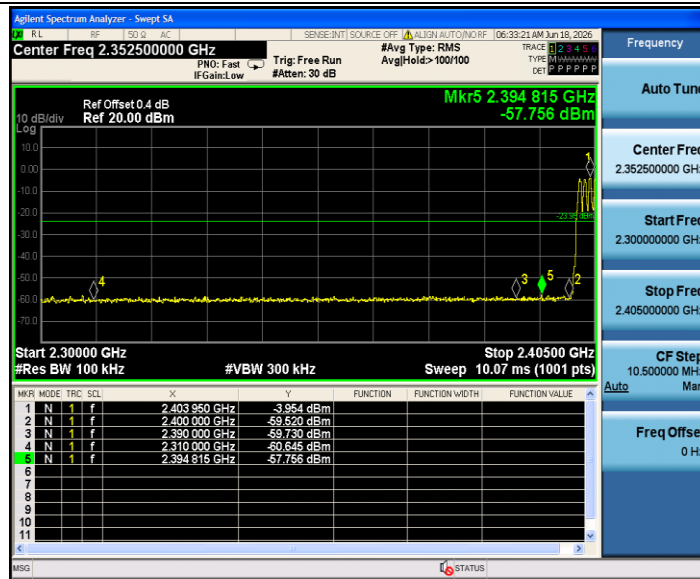
Appendix G: Band edge measurements

Test Result

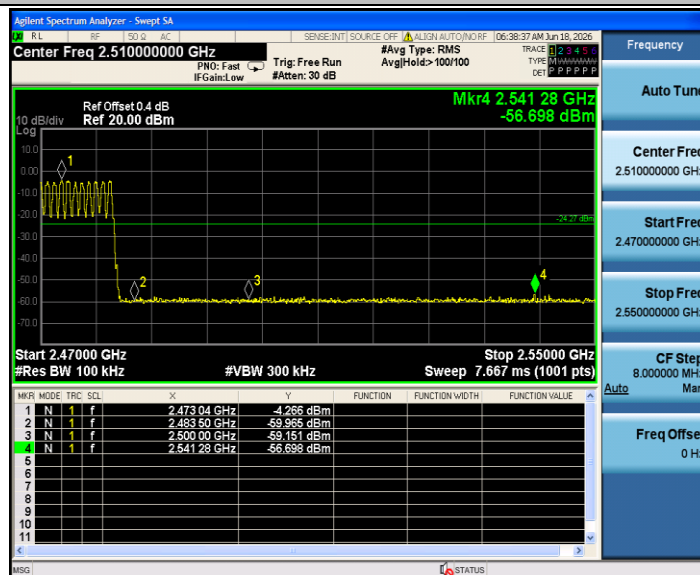
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.51	-57.92	≤-20.51	PASS
		High	2480	-0.14	-55.79	≤-20.14	PASS
		Low	Hop_2402	-3.95	-57.76	≤-23.95	PASS
		High	Hop_2480	-4.27	-56.7	≤-24.27	PASS
2DH5	Ant1	Low	2402	-4.66	-57.64	≤-24.66	PASS
		High	2480	-6.59	-57.57	≤-26.59	PASS
		Low	Hop_2402	-6.68	-57.13	≤-26.68	PASS
		High	Hop_2480	-4.21	-56.72	≤-24.21	PASS
3DH5	Ant1	Low	2402	-4.09	-58.13	≤-24.09	PASS
		High	2480	-6.42	-54.08	≤-26.42	PASS
		Low	Hop_2402	-4.85	-57.66	≤-24.85	PASS
		High	Hop_2480	-3.97	-57.35	≤-23.97	PASS

Test Graphs

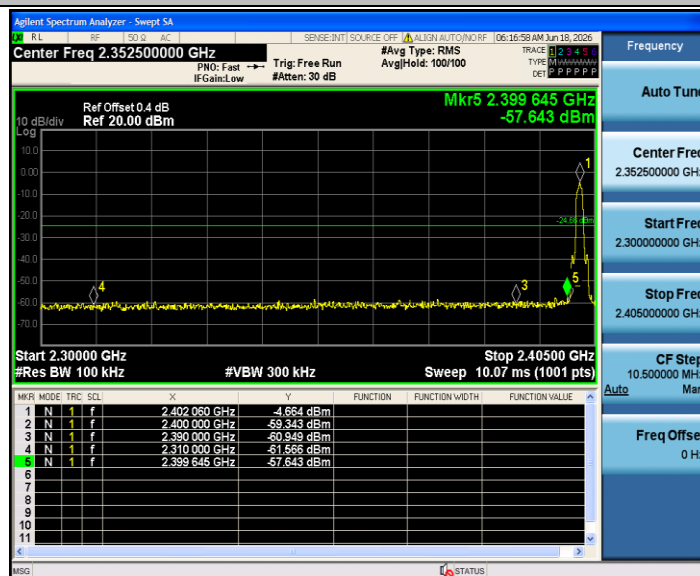




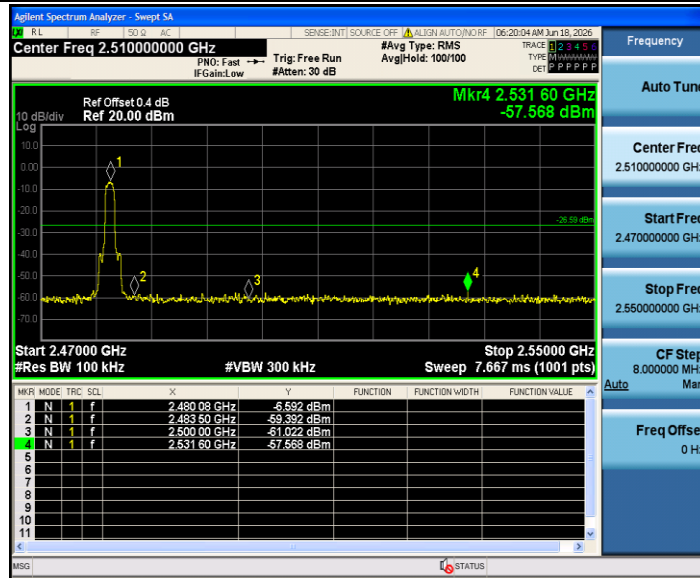
DH5_Ant1_High_Hop_2480



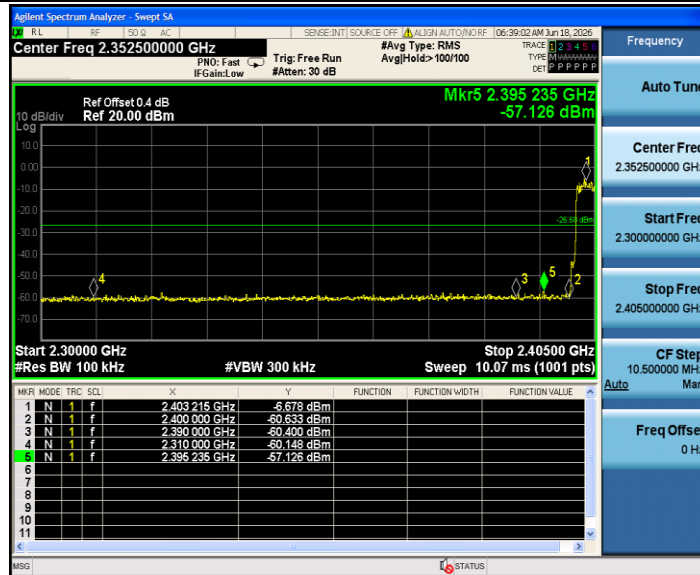
2DH5_Ant1_Low_2402



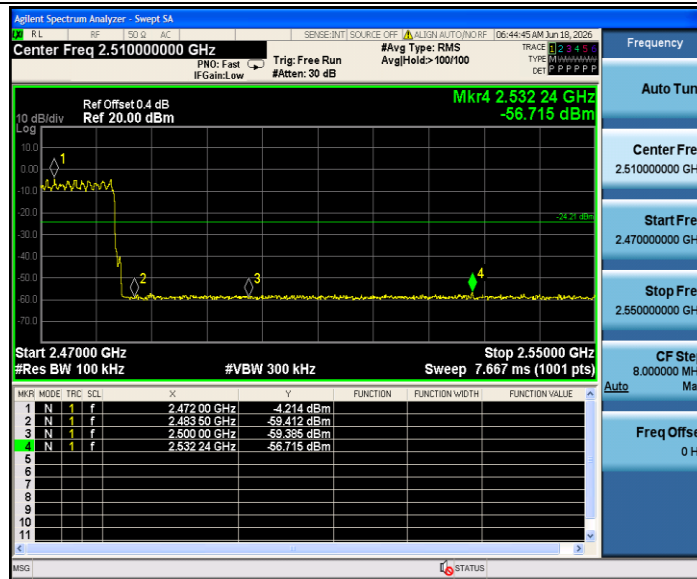
2DH5_Ant1_High_2480



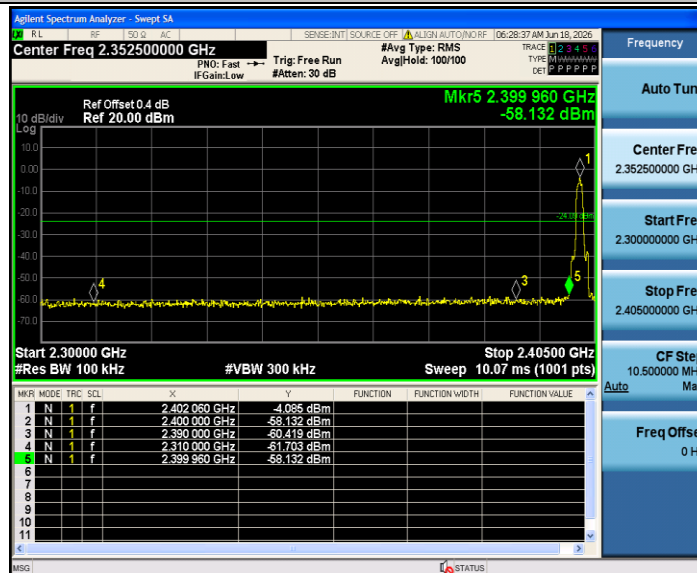
2DH5_Ant1_Low_Hop_2402



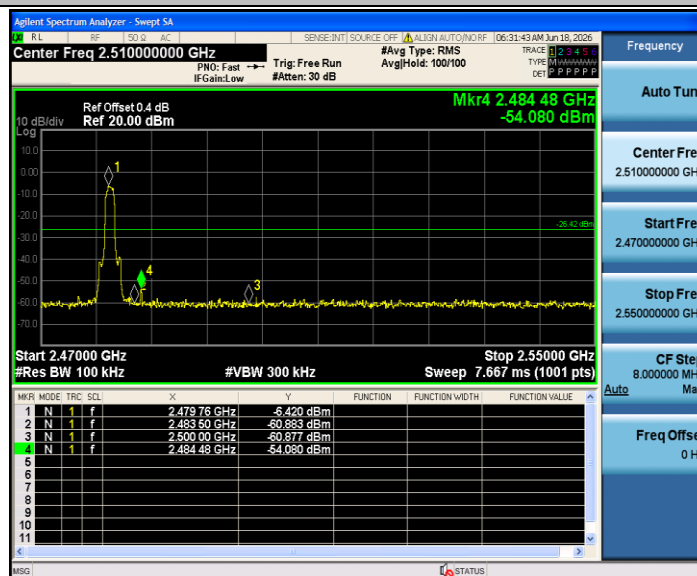
2DH5_Ant1_High_Hop_2480



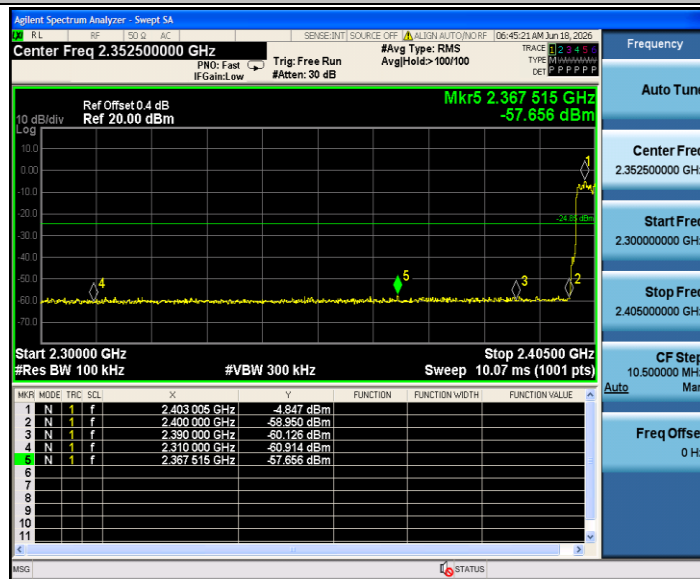
3DH5_Ant1_Low_2402



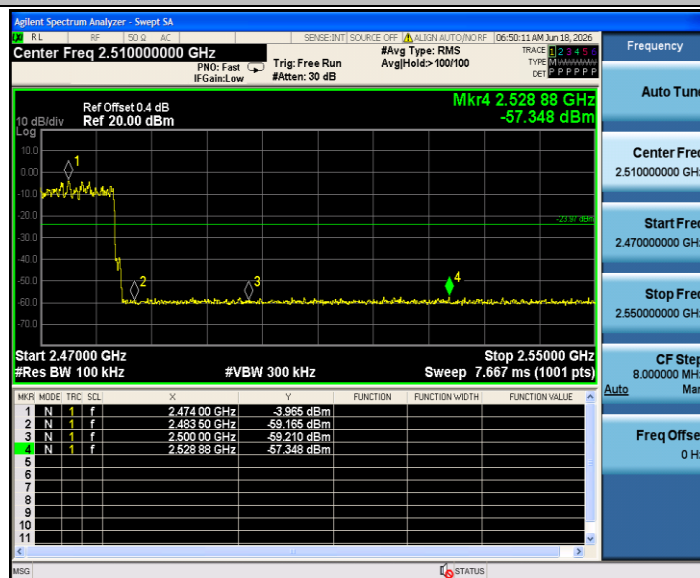
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

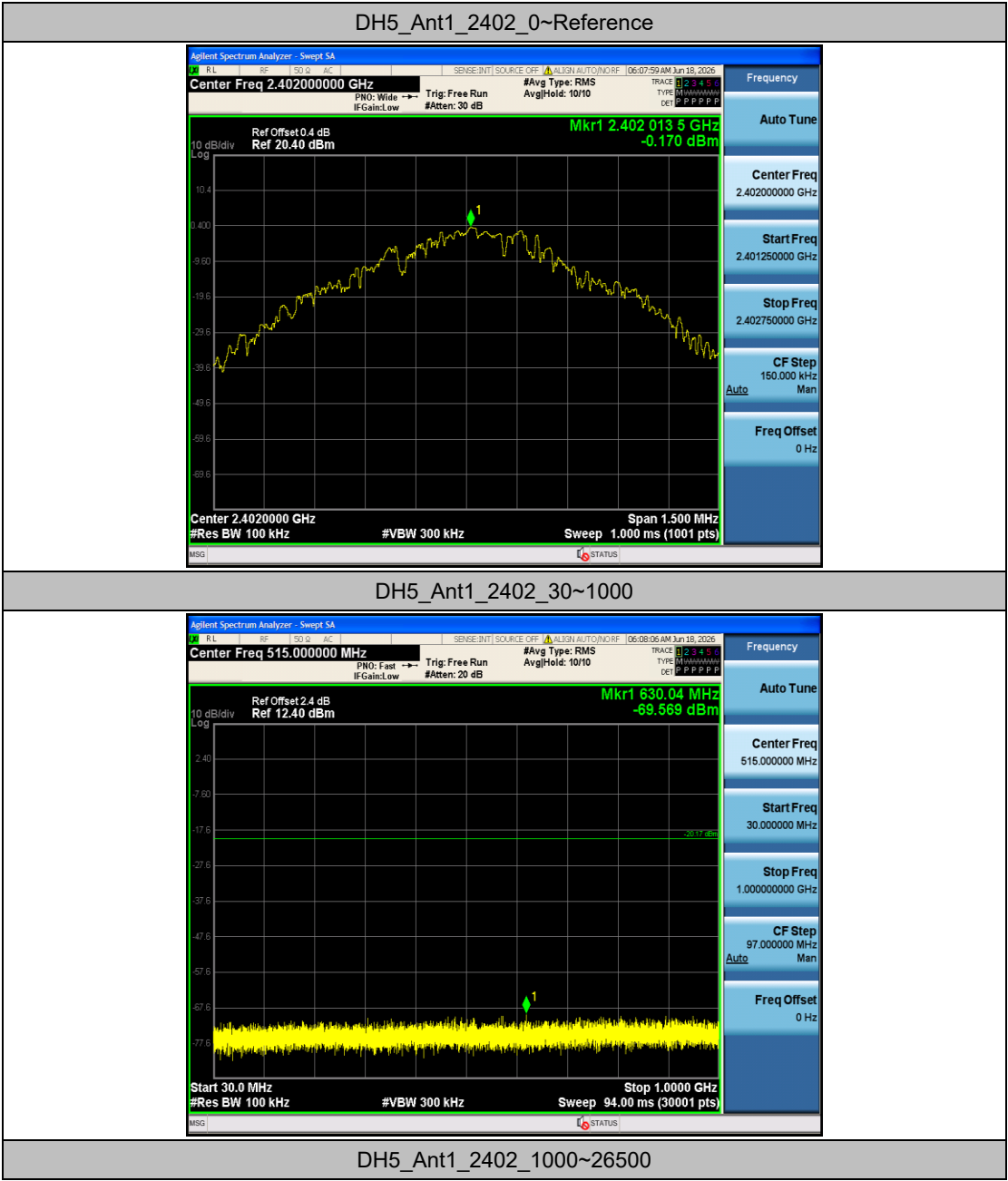


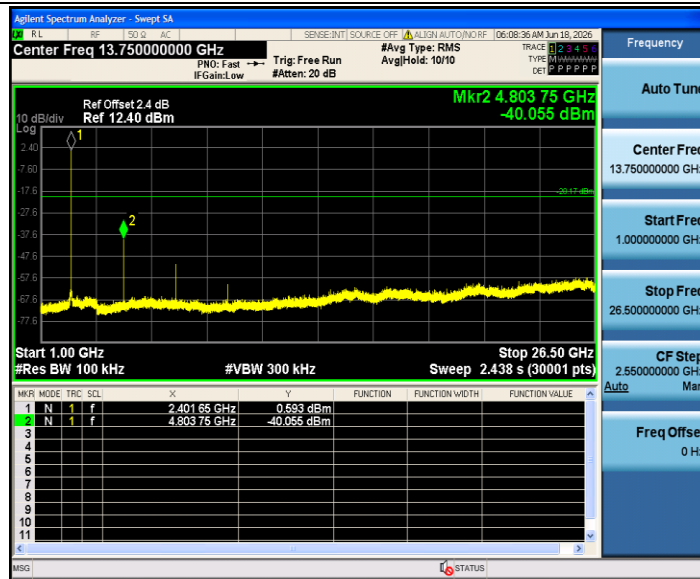
Appendix H: Conducted Spurious Emission

Test Result

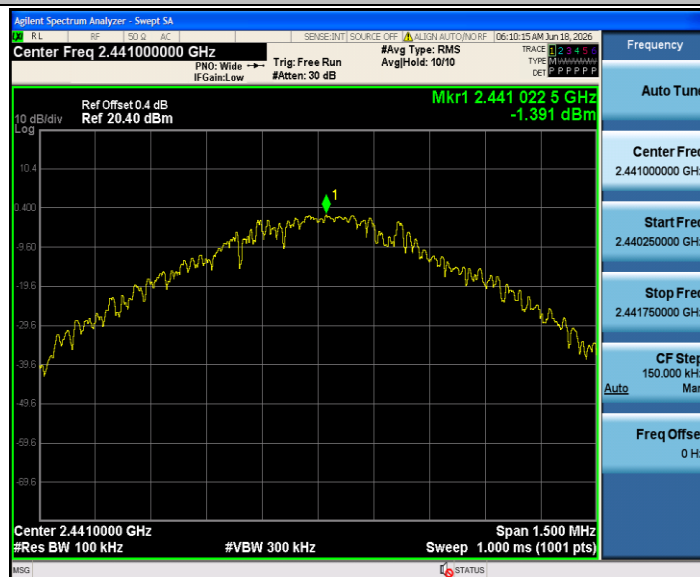
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.17	-0.17	---	PASS
			30~1000	-0.17	-69.57	≤-20.17	PASS
			1000~26500	-0.17	-40.06	≤-20.17	PASS
		2441	Reference	-1.39	-1.39	---	PASS
			30~1000	-1.39	-68.61	≤-21.39	PASS
			1000~26500	-1.39	-42.87	≤-21.39	PASS
		2480	Reference	-1.26	-1.26	---	PASS
			30~1000	-1.26	-69.13	≤-21.26	PASS
			1000~26500	-1.26	-42.36	≤-21.26	PASS
2DH5	Ant1	2402	Reference	-3.64	-3.64	---	PASS
			30~1000	-3.64	-69.3	≤-23.64	PASS
			1000~26500	-3.64	-44.37	≤-23.64	PASS
		2441	Reference	-4.39	-4.39	---	PASS
			30~1000	-4.39	-67.77	≤-24.39	PASS
			1000~26500	-4.39	-45.44	≤-24.39	PASS
		2480	Reference	-5.62	-5.62	---	PASS
			30~1000	-5.62	-68.27	≤-25.62	PASS
			1000~26500	-5.62	-49.38	≤-25.62	PASS
3DH5	Ant1	2402	Reference	-3.58	-3.58	---	PASS
			30~1000	-3.58	-69.13	≤-23.58	PASS
			1000~26500	-3.58	-46.5	≤-23.58	PASS
		2441	Reference	-5.16	-5.16	---	PASS
			30~1000	-5.16	-69.3	≤-25.16	PASS
			1000~26500	-5.16	-49.56	≤-25.16	PASS
		2480	Reference	-7.07	-7.07	---	PASS
			30~1000	-7.07	-68.73	≤-27.07	PASS
			1000~26500	-7.07	-48.71	≤-27.07	PASS

Test Graphs

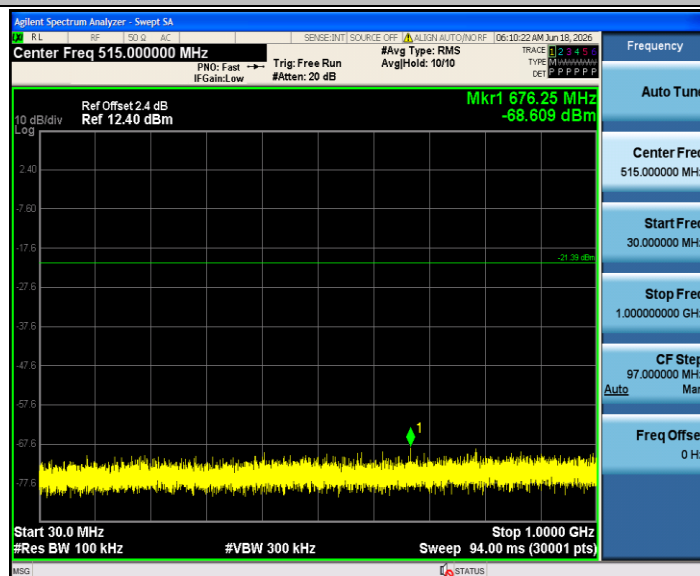




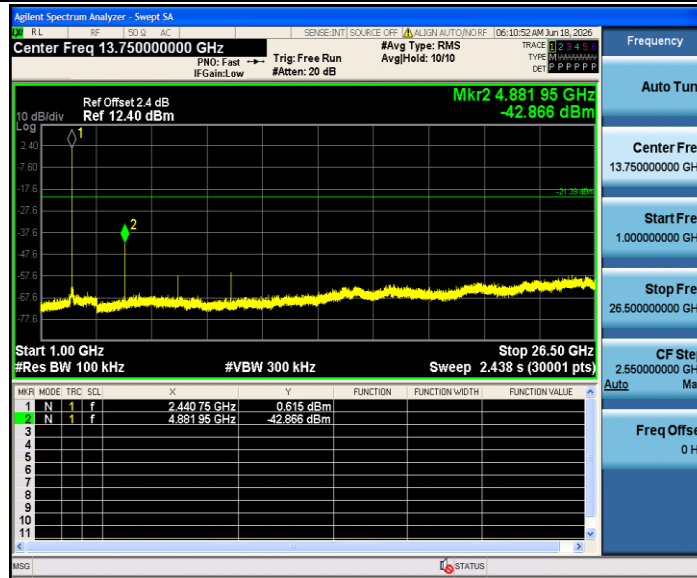
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



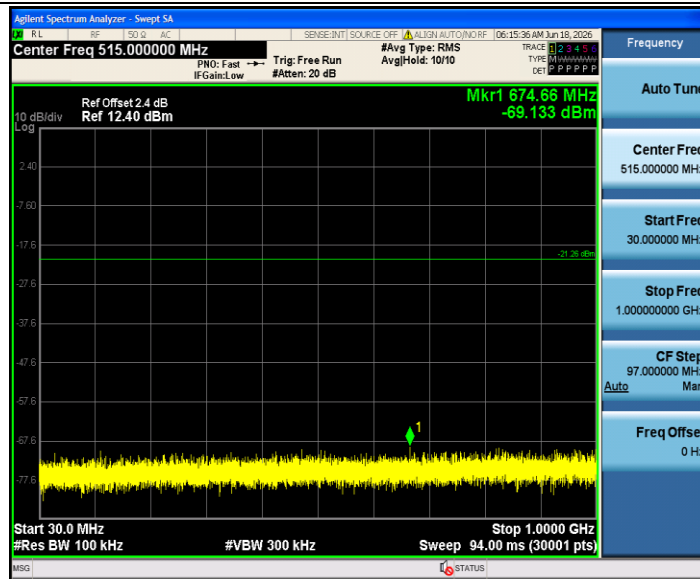
DH5_Ant1_2441_1000~26500



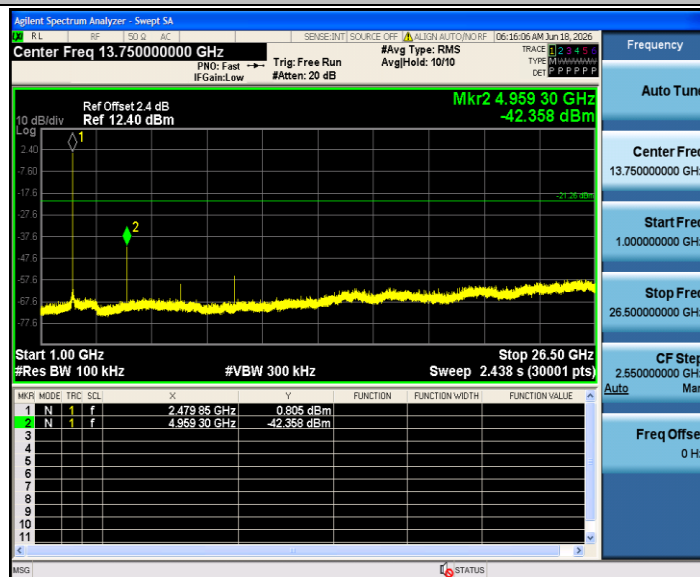
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

