

FCC Appendix RF Test Data for BT

FCC ID : 2BWW6-NV09706

Company : Max Sales Group

EUT : Portable Bluetooth Karoke Speaker Dual Microphone

Model Number : NV-09706

Report No. : CTA26062501101

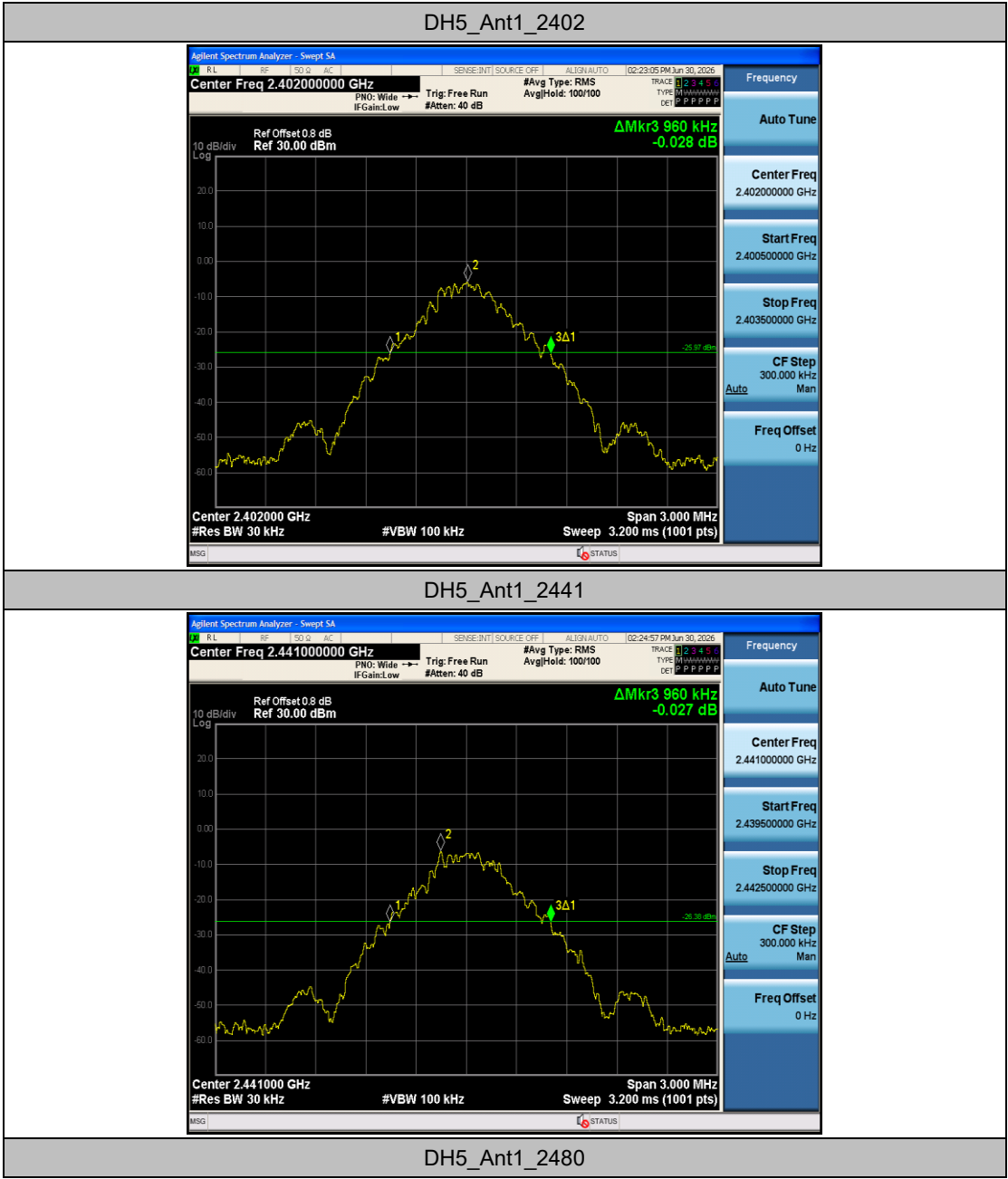
Reviewed By : Eric Wang

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	0.960	2440.544	2441.504	---	---
		2480	0.954	2479.547	2480.501	---	---
2DH5	Ant1	2402	1.341	2401.340	2402.681	---	---
		2441	1.284	2440.376	2441.660	---	---
		2480	1.323	2479.355	2480.678	---	---
3DH5	Ant1	2402	1.296	2401.364	2402.660	---	---
		2441	1.308	2440.361	2441.669	---	---
		2480	1.317	2479.358	2480.675	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

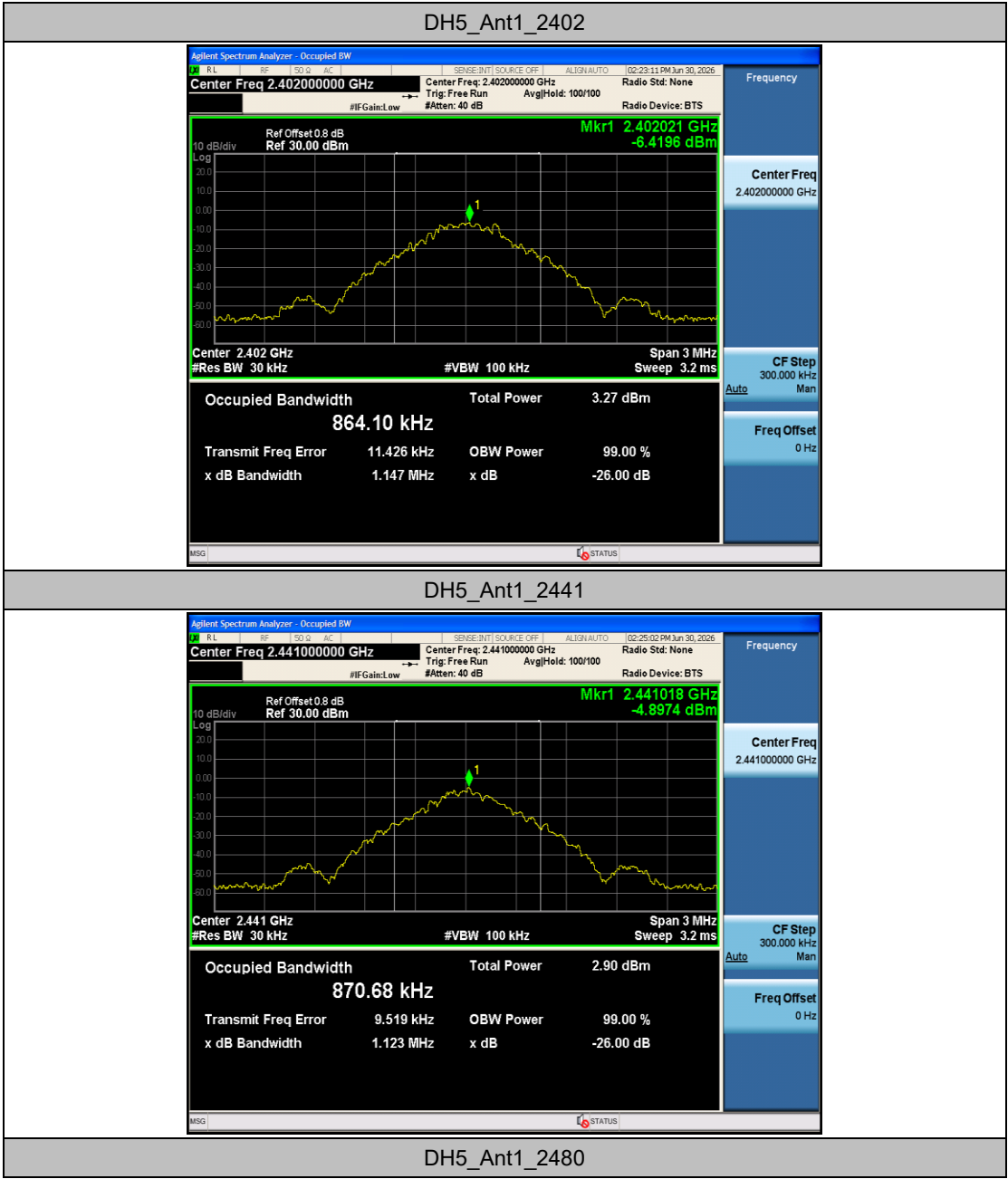


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86410	2401.5794	2402.4435	---	---
		2441	0.87068	2440.5742	2441.4449	---	---
		2480	0.86088	2479.5794	2480.4403	---	---
2DH5	Ant1	2402	1.1875	2401.4167	2402.6042	---	---
		2441	1.1932	2440.4140	2441.6072	---	---
		2480	1.1963	2479.4108	2480.6071	---	---
3DH5	Ant1	2402	1.1855	2401.4194	2402.6049	---	---
		2441	1.1863	2440.4179	2441.6042	---	---
		2480	1.1911	2479.4184	2480.6095	---	---

Test Graphs



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	-3.13	≤20.97	PASS
		2441	-3.28	≤20.97	PASS
		2480	-3.66	≤20.97	PASS
2DH5	Ant1	2402	-0.41	≤20.97	PASS
		2441	-0.68	≤20.97	PASS
		2480	-1.04	≤20.97	PASS
3DH5	Ant1	2402	-0.09	≤20.97	PASS
		2441	-0.28	≤20.97	PASS
		2480	-0.65	≤20.97	PASS

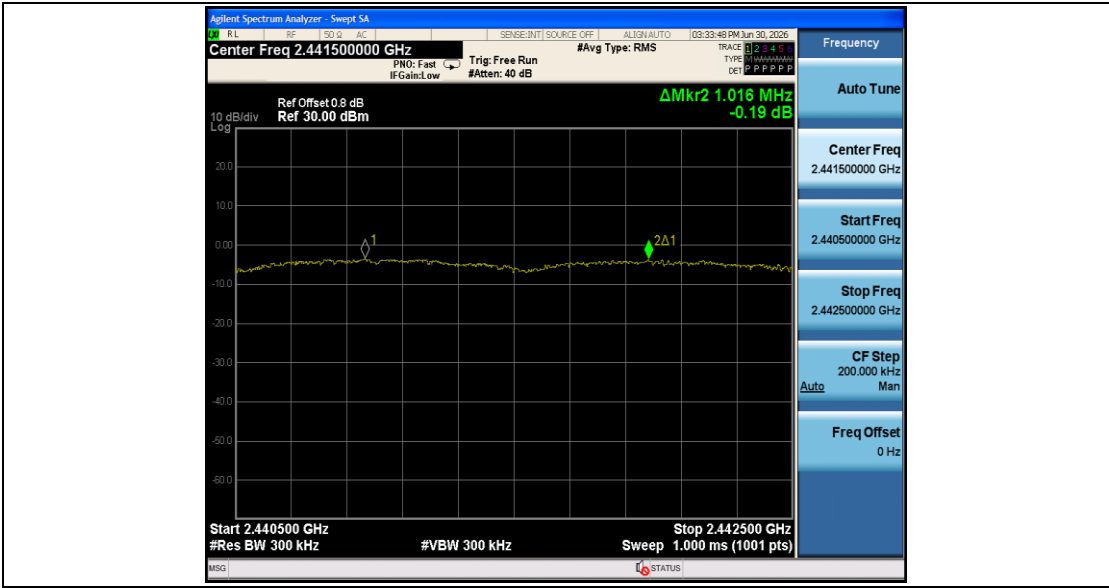
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.022	≥ 0.960	PASS
2DH5	Ant1	Hop	1.114	≥ 0.894	PASS
3DH5	Ant1	Hop	1.016	≥ 0.878	PASS

Test Graphs



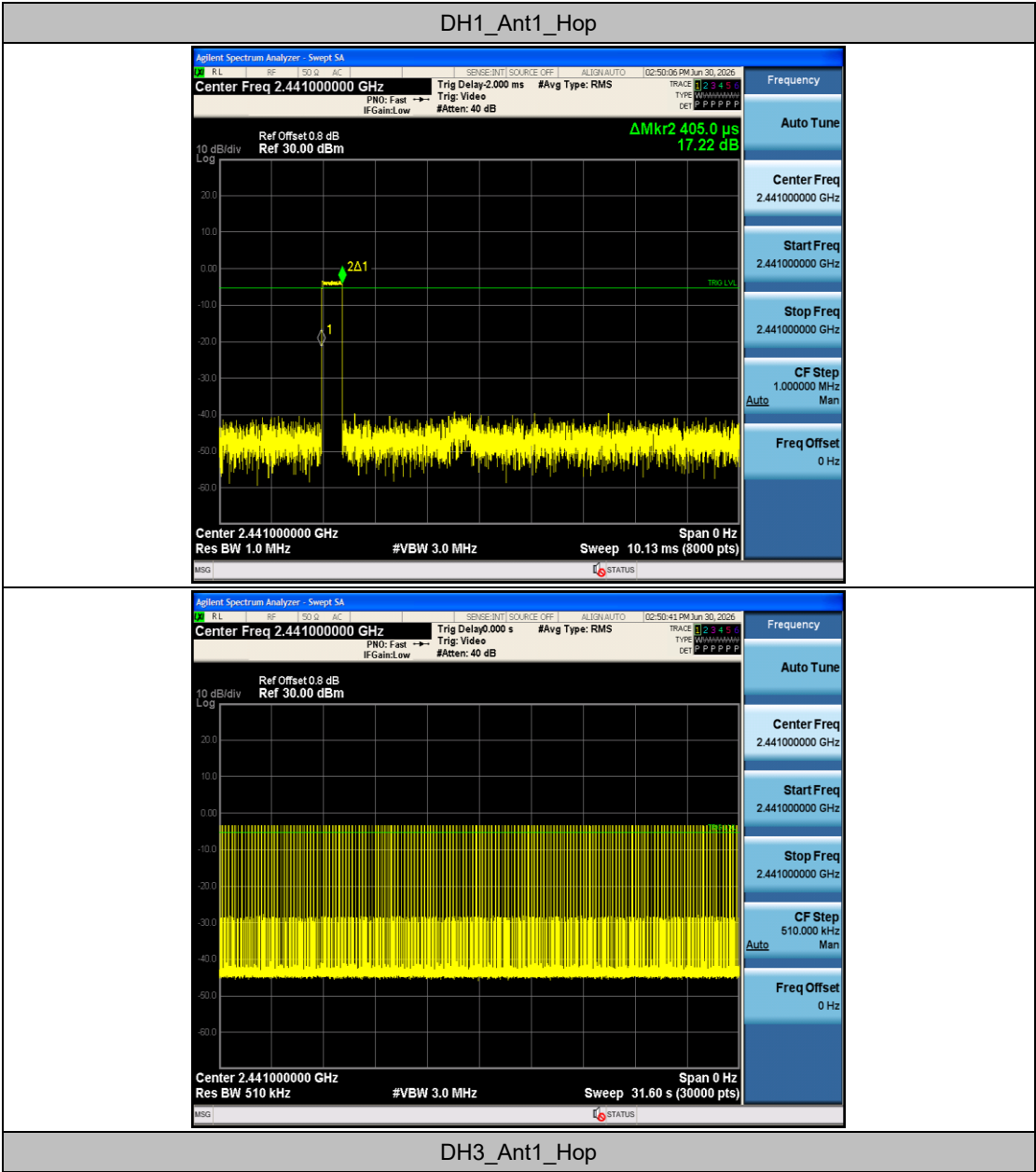


Appendix E: Time of occupancy

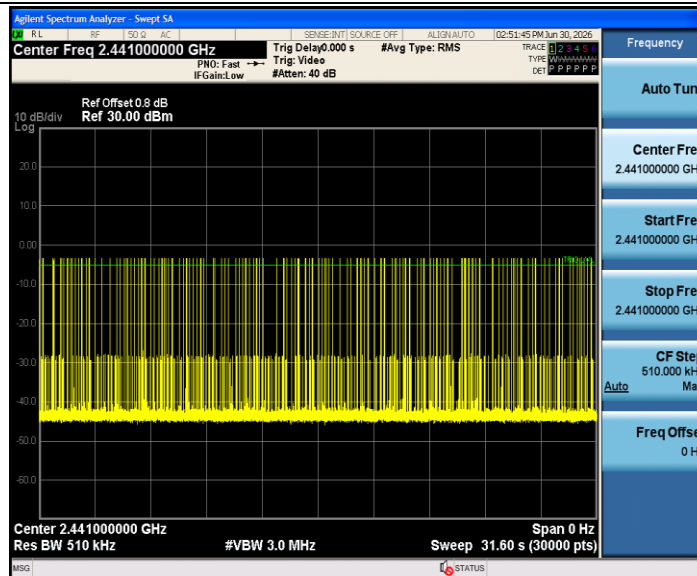
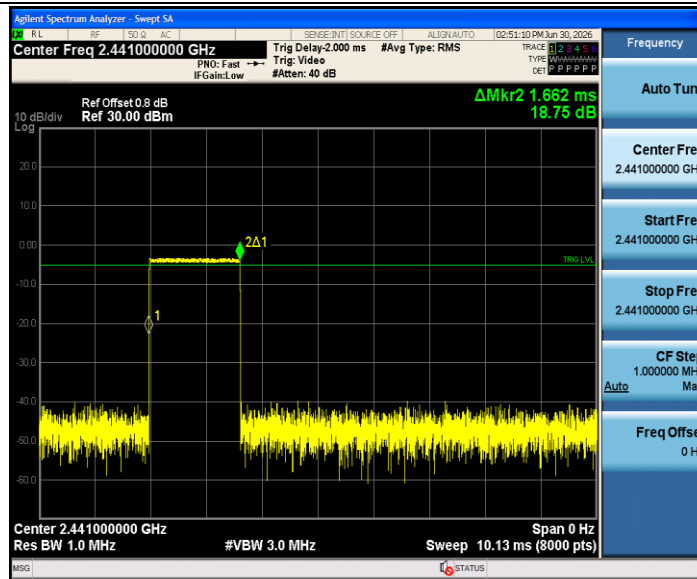
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	318	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	168	0.279	≤0.4	PASS
DH5	Ant1	Hop	2.910	97	0.282	≤0.4	PASS
2DH1	Ant1	Hop	0.415	318	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.668	160	0.267	≤0.4	PASS
2DH5	Ant1	Hop	2.916	108	0.315	≤0.4	PASS
3DH1	Ant1	Hop	0.414	319	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.666	154	0.257	≤0.4	PASS
3DH5	Ant1	Hop	2.917	122	0.356	≤0.4	PASS

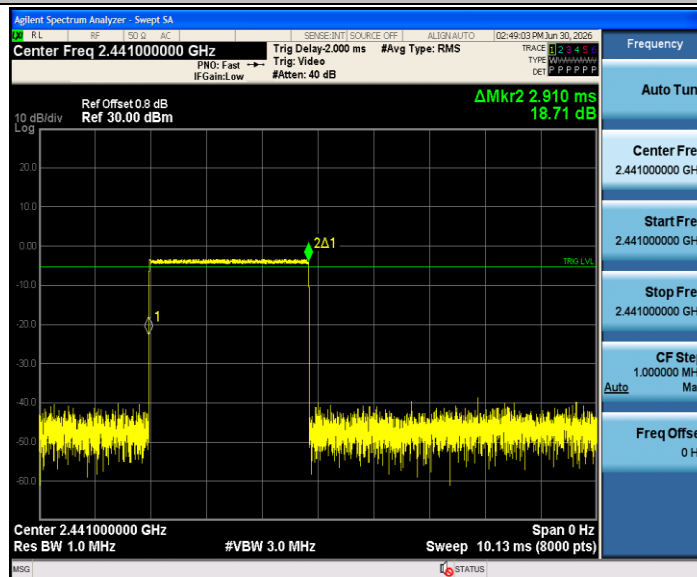
Test Graphs

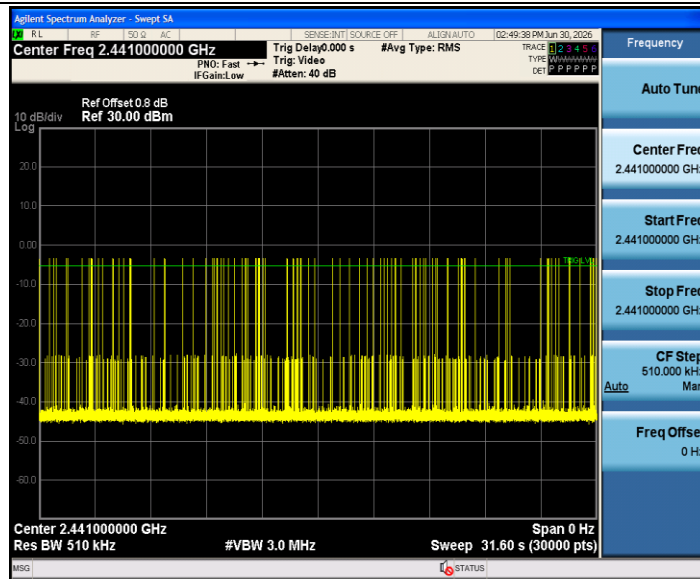


DH3_Ant1_Hop

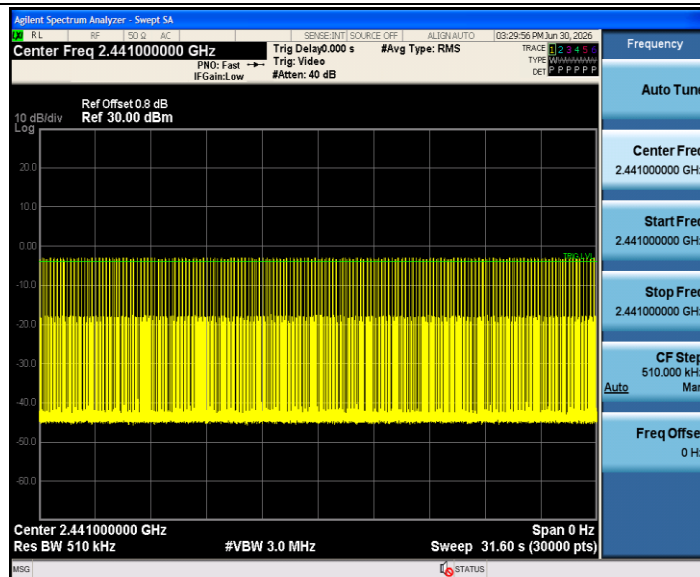
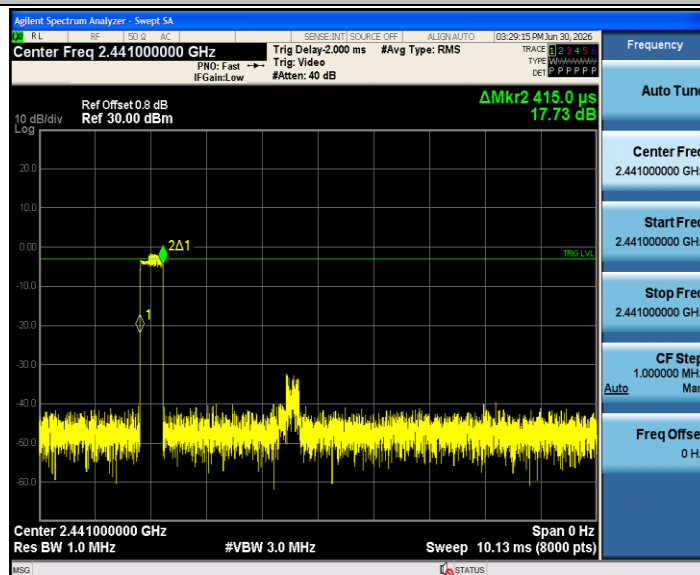


DH5_Ant1_Hop

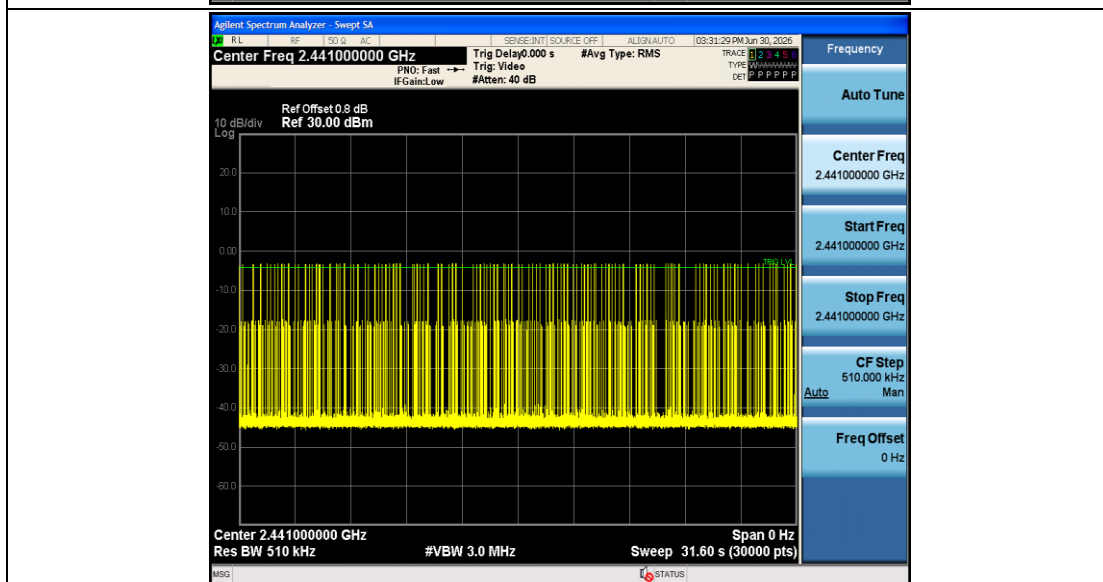
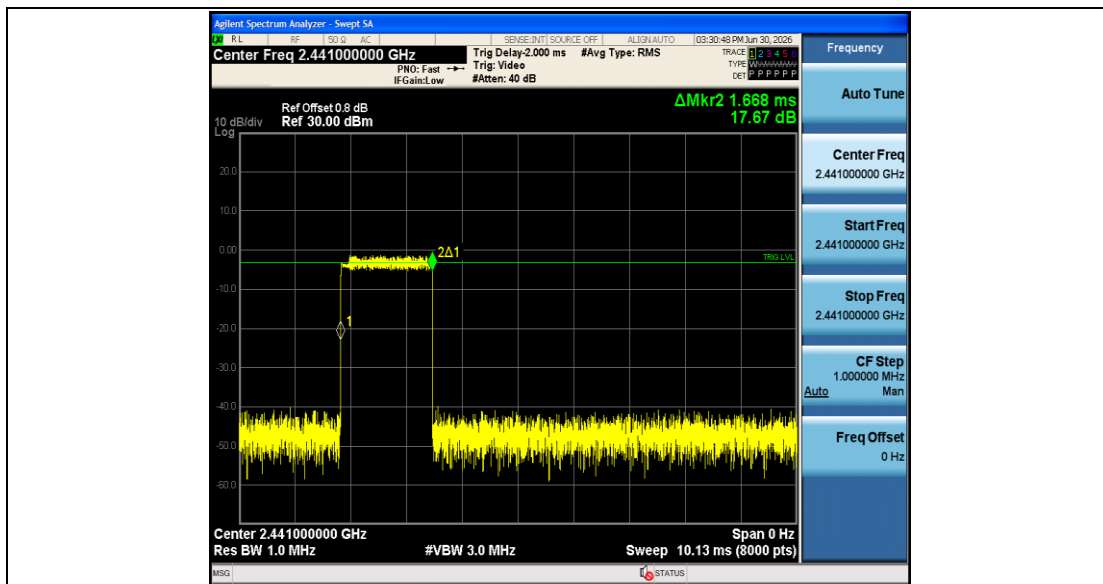




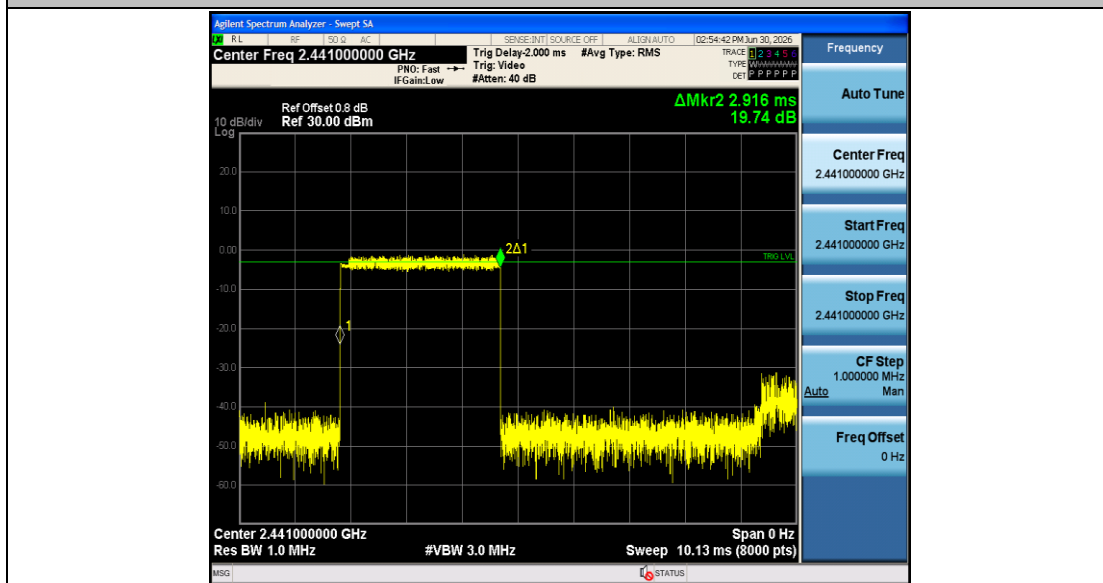
2DH1_Ant1_Hop

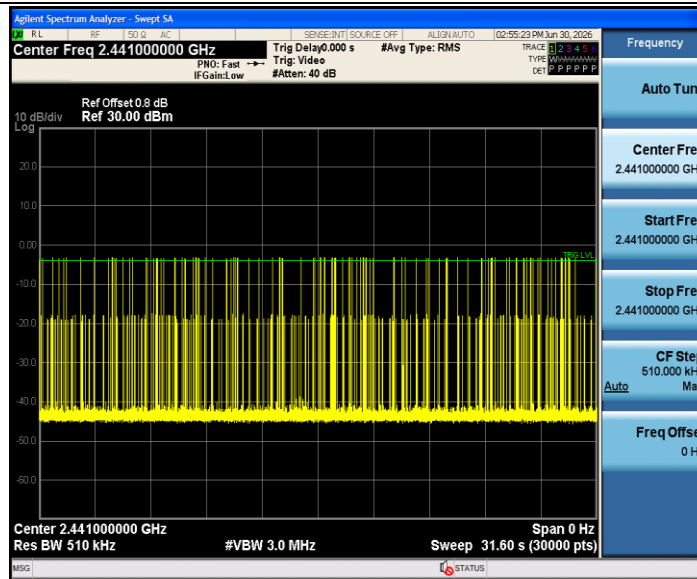


2DH3_Ant1_Hop

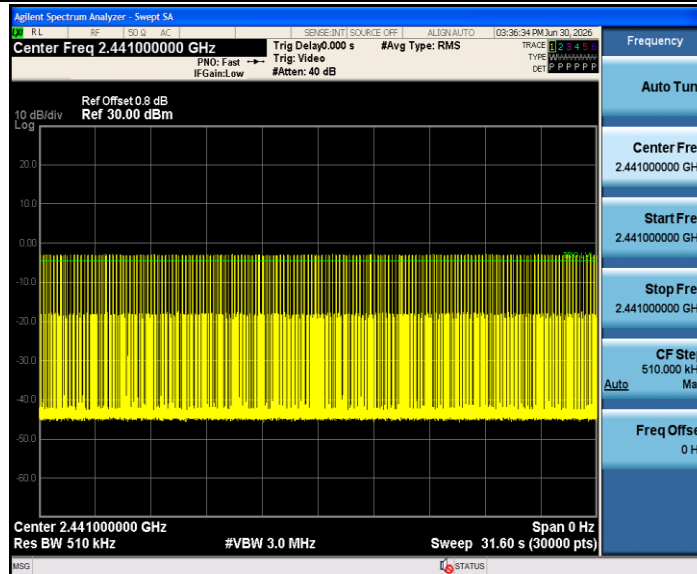
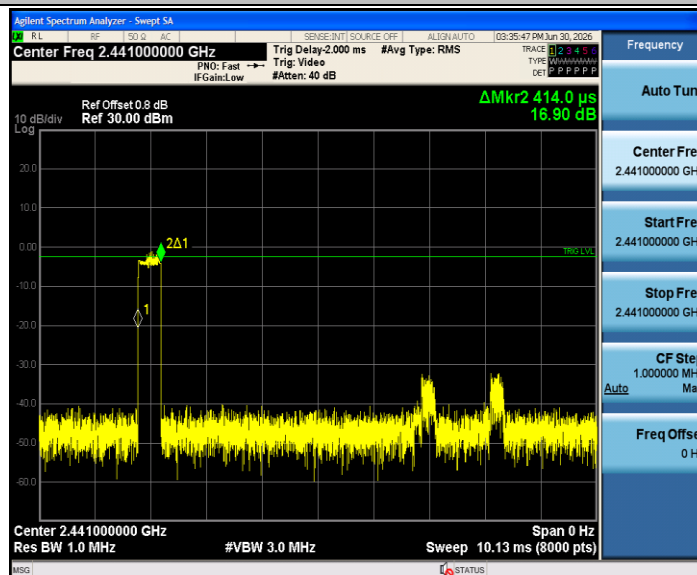


2DH5_Ant1_Hop

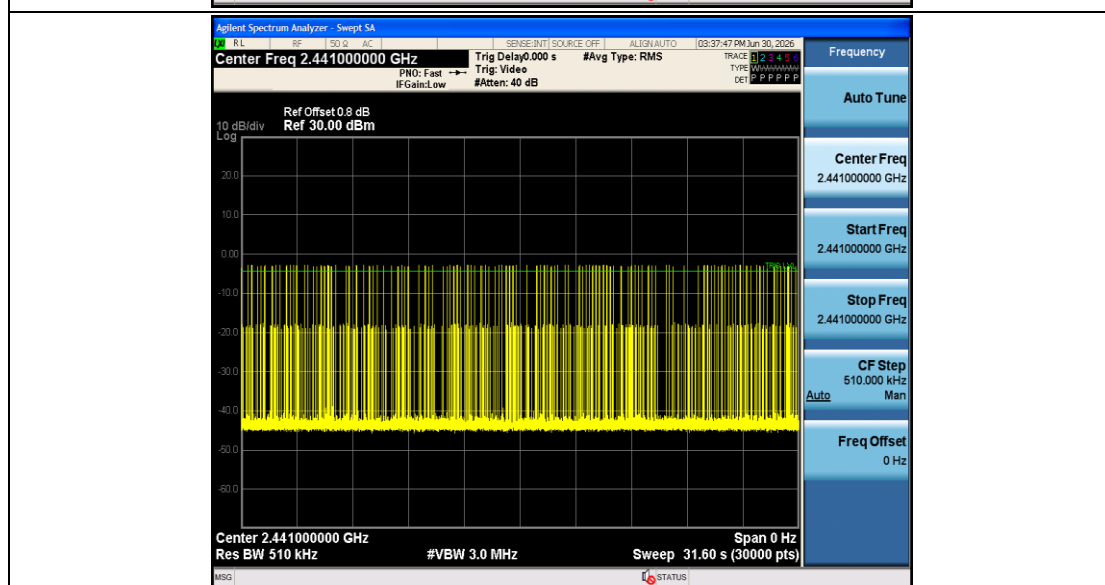
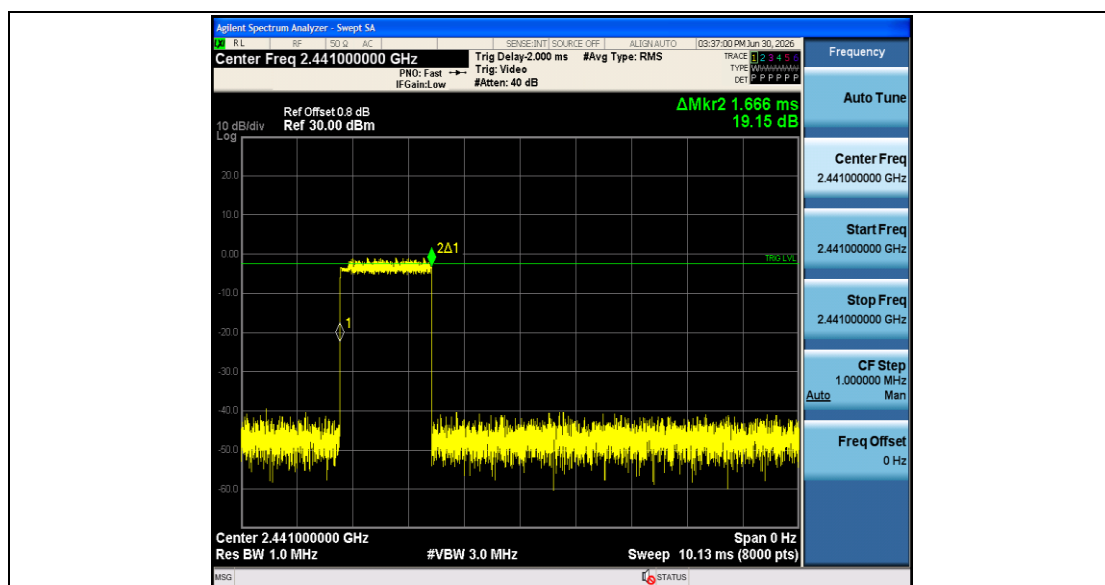




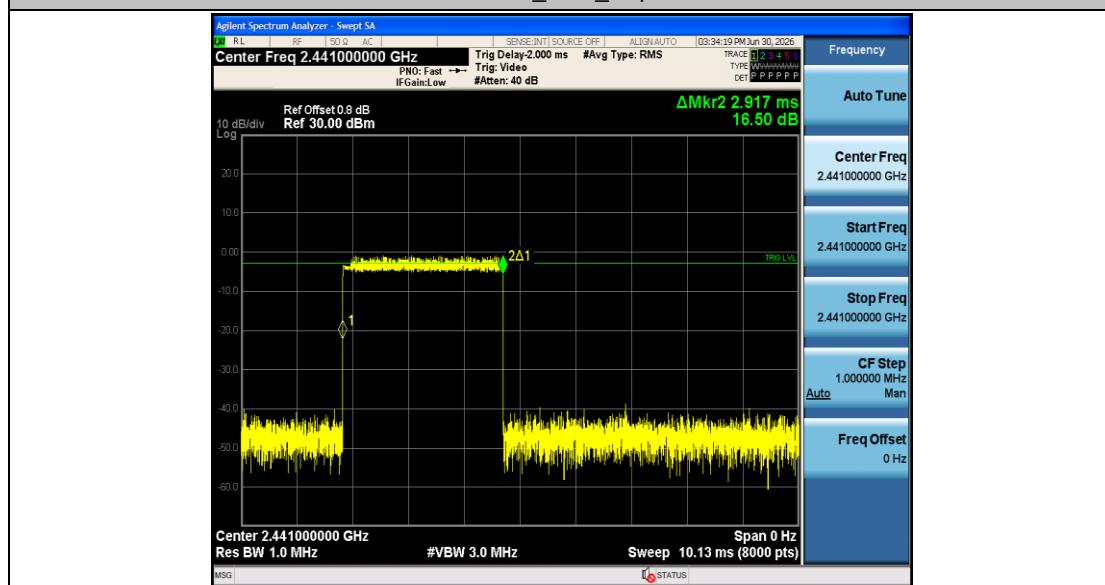
3DH1_Ant1_Hop

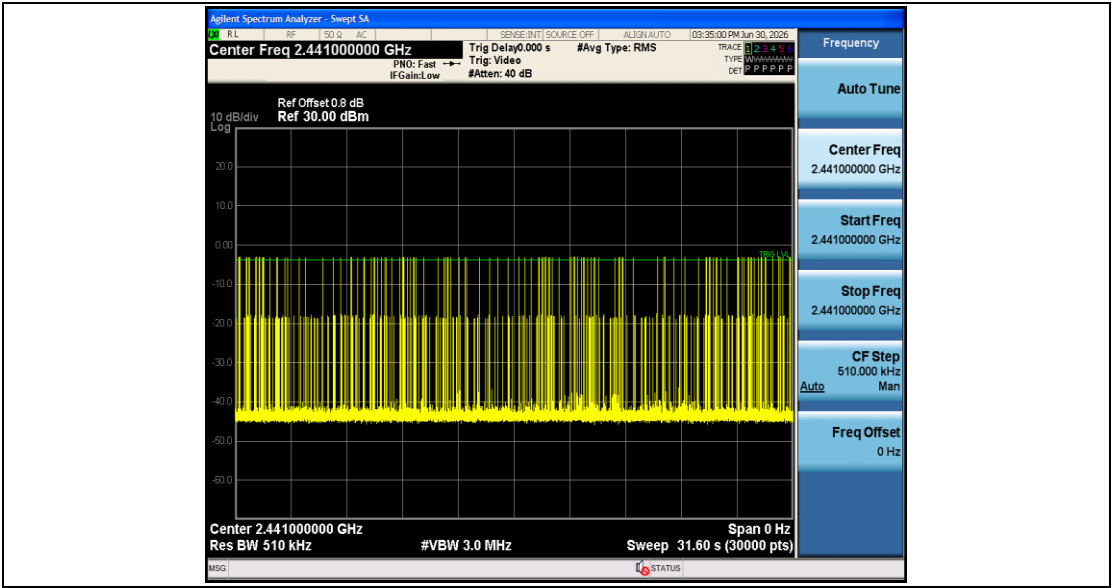


3DH3_Ant1_Hop



3DH5_Ant1_Hop



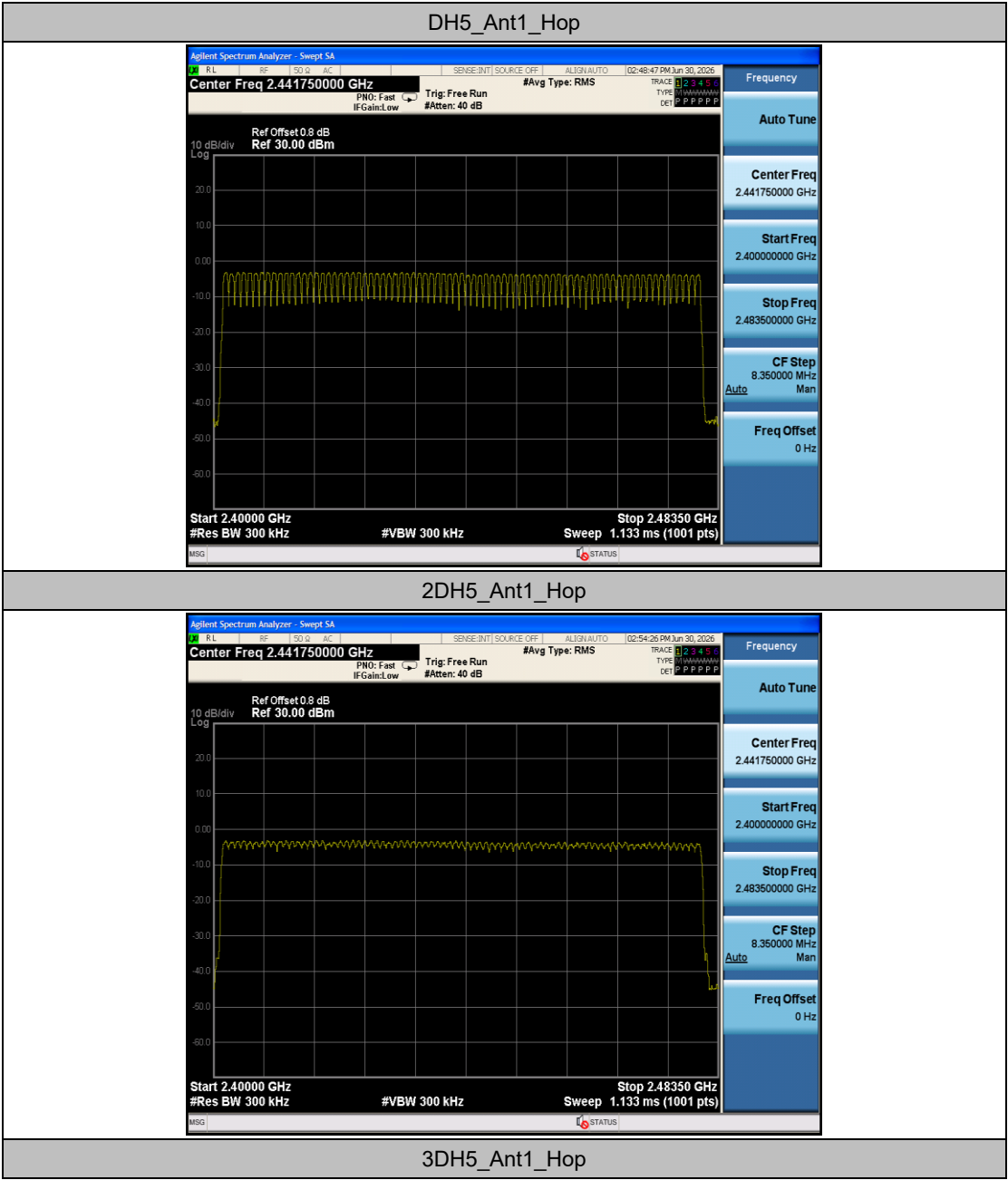


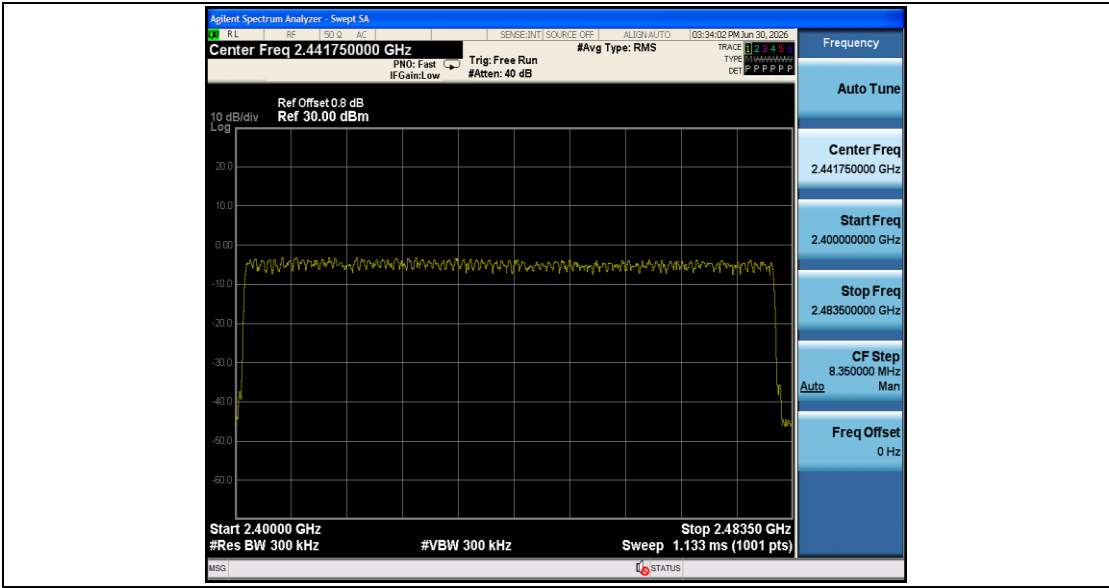
Appendix F: Number of hopping channels

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





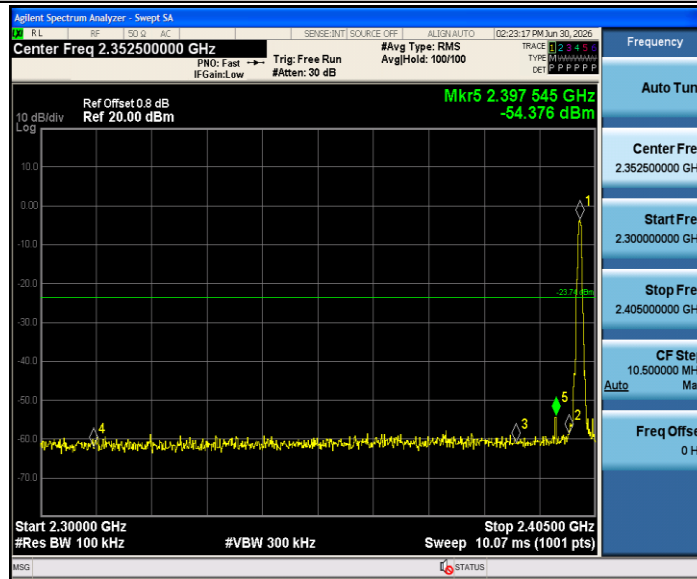
Appendix G: Band edge measurements

Test Result

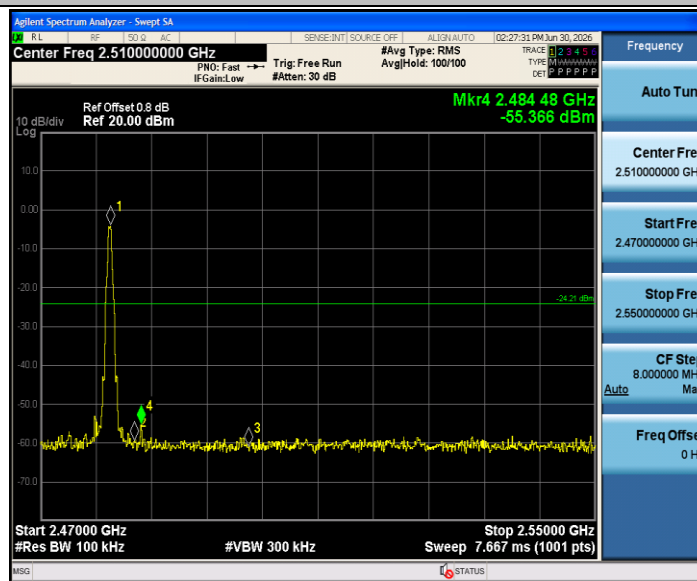
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.74	-54.38	≤ -23.74	PASS
		High	2480	-4.21	-55.37	≤ -24.21	PASS
		Low	Hop_2402	-3.82	-57.04	≤ -23.82	PASS
		High	Hop_2480	-4.18	-56.28	≤ -24.18	PASS
2DH5	Ant1	Low	2402	-4.78	-57.33	≤ -24.78	PASS
		High	2480	-4.89	-57.89	≤ -24.89	PASS
		Low	Hop_2402	-4.66	-57.38	≤ -24.66	PASS
		High	Hop_2480	-3.74	-57.94	≤ -23.74	PASS
3DH5	Ant1	Low	2402	-3.93	-55.92	≤ -23.93	PASS
		High	2480	-5.07	-56.34	≤ -25.07	PASS
		Low	Hop_2402	-3.36	-57.16	≤ -23.36	PASS
		High	Hop_2480	-5.97	-57.52	≤ -25.97	PASS

Test Graphs

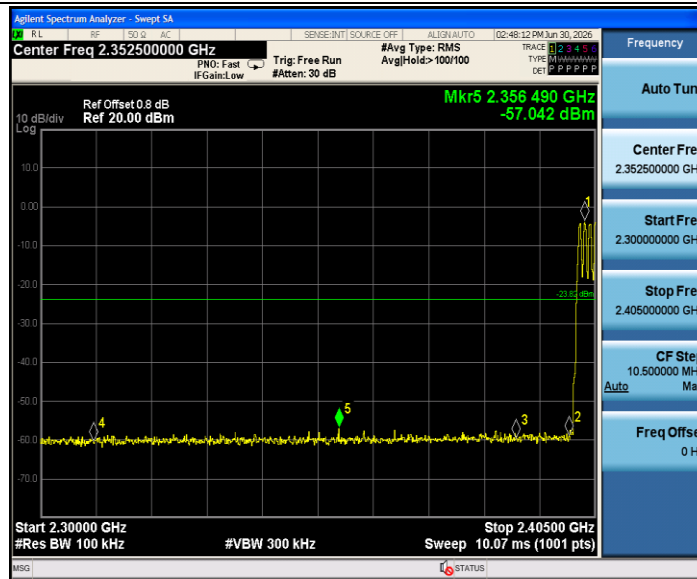
DH5_Ant1_Low_2402



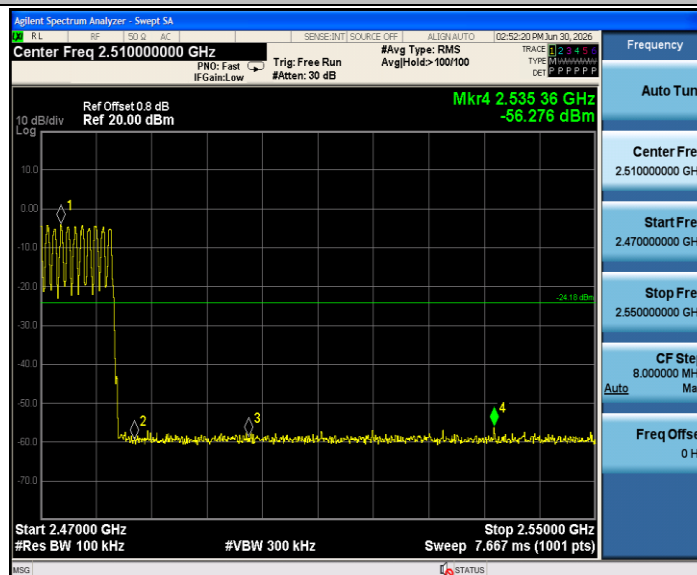
DH5_Ant1_High_2480



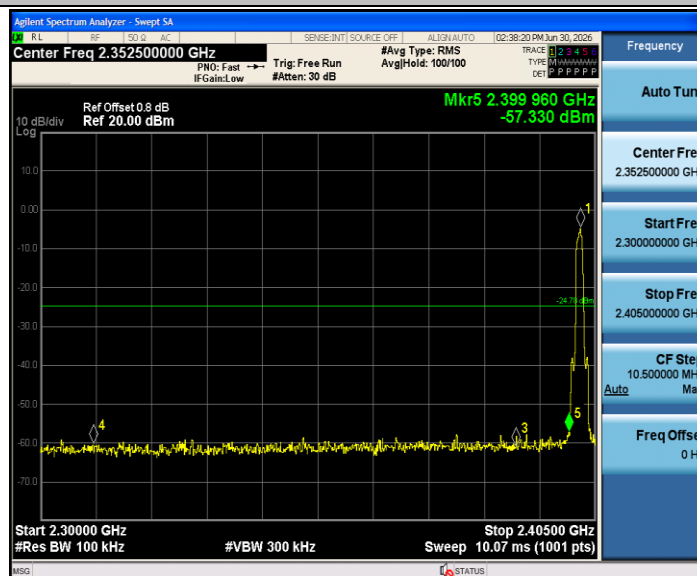
DH5_Ant1_Low_Hop_2402



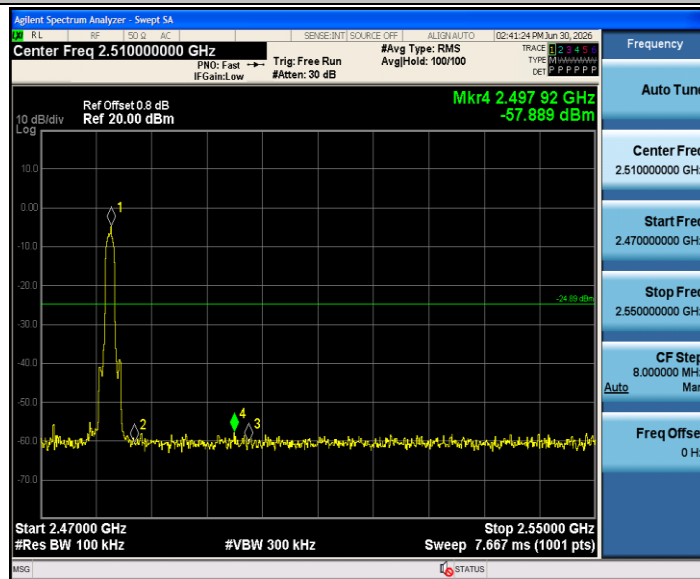
DH5_Ant1_High_Hop_2480



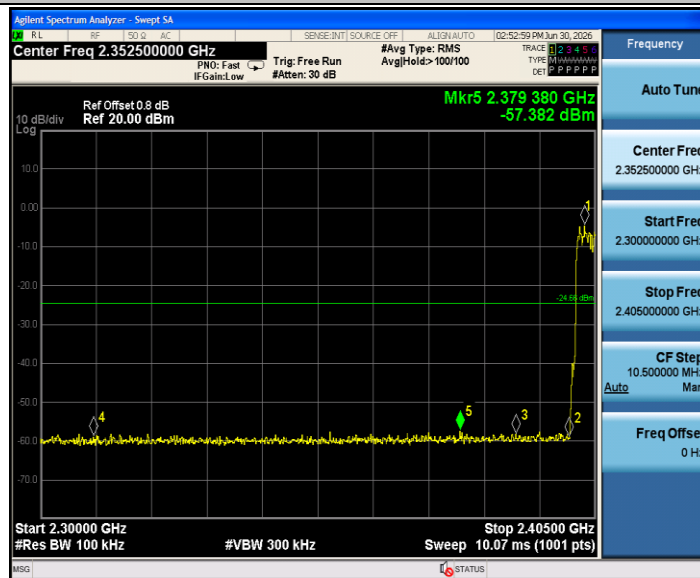
2DH5_Ant1_Low_2402



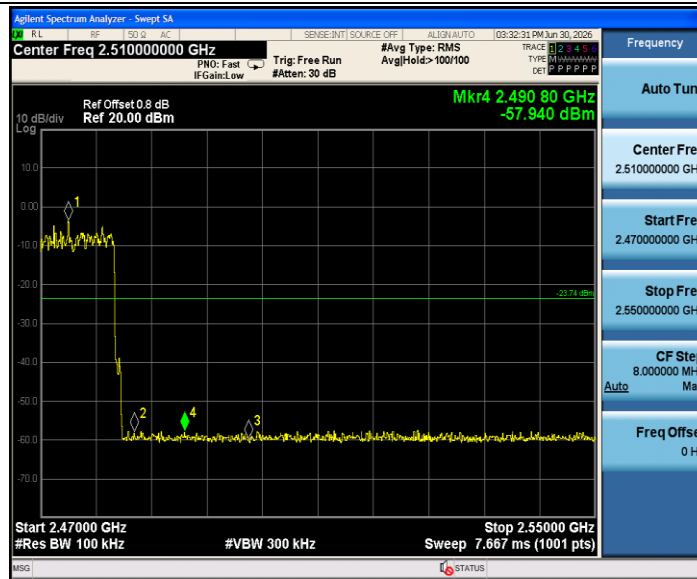
2DH5_Ant1_High_2480



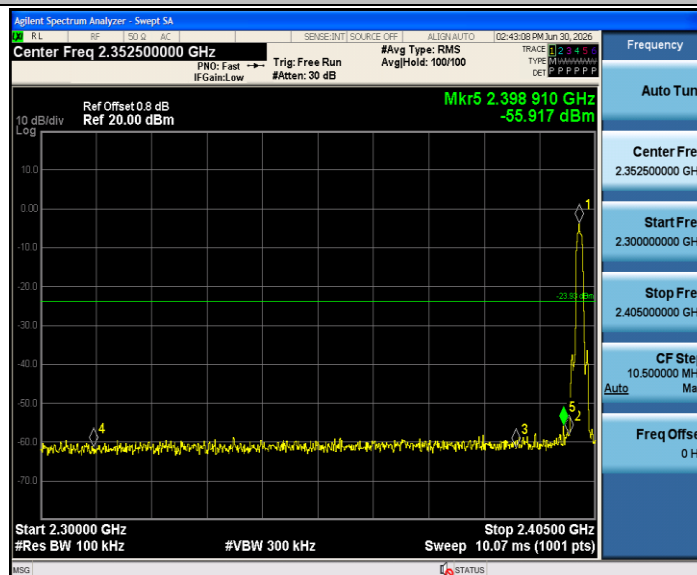
2DH5_Ant1_Low_Hop_2402



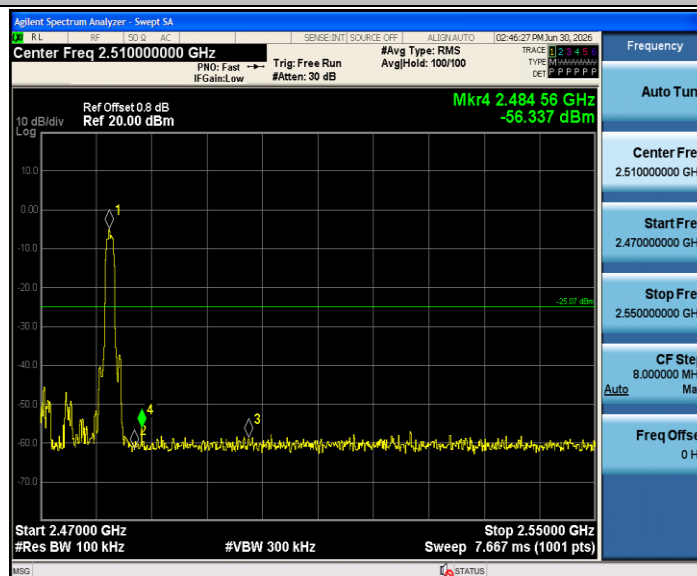
2DH5_Ant1_High_Hop_2480



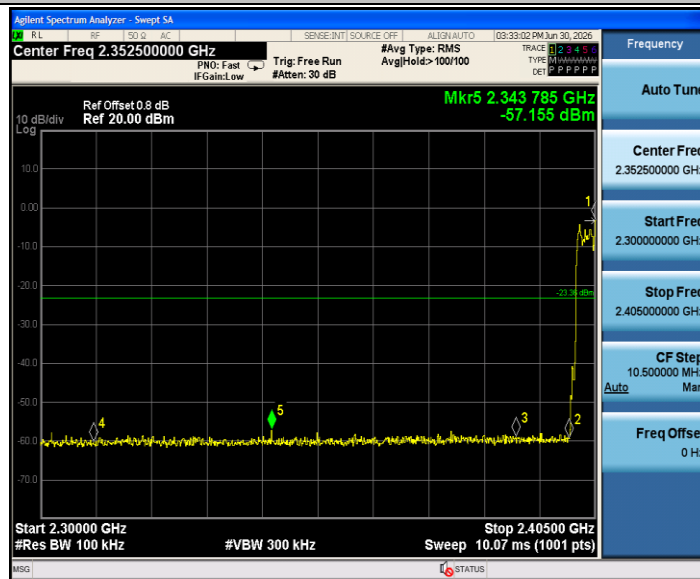
3DH5_Ant1_Low_2402



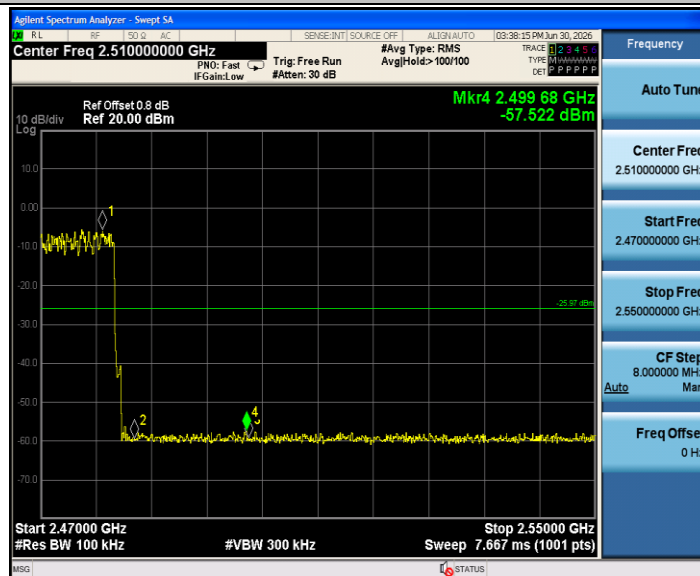
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

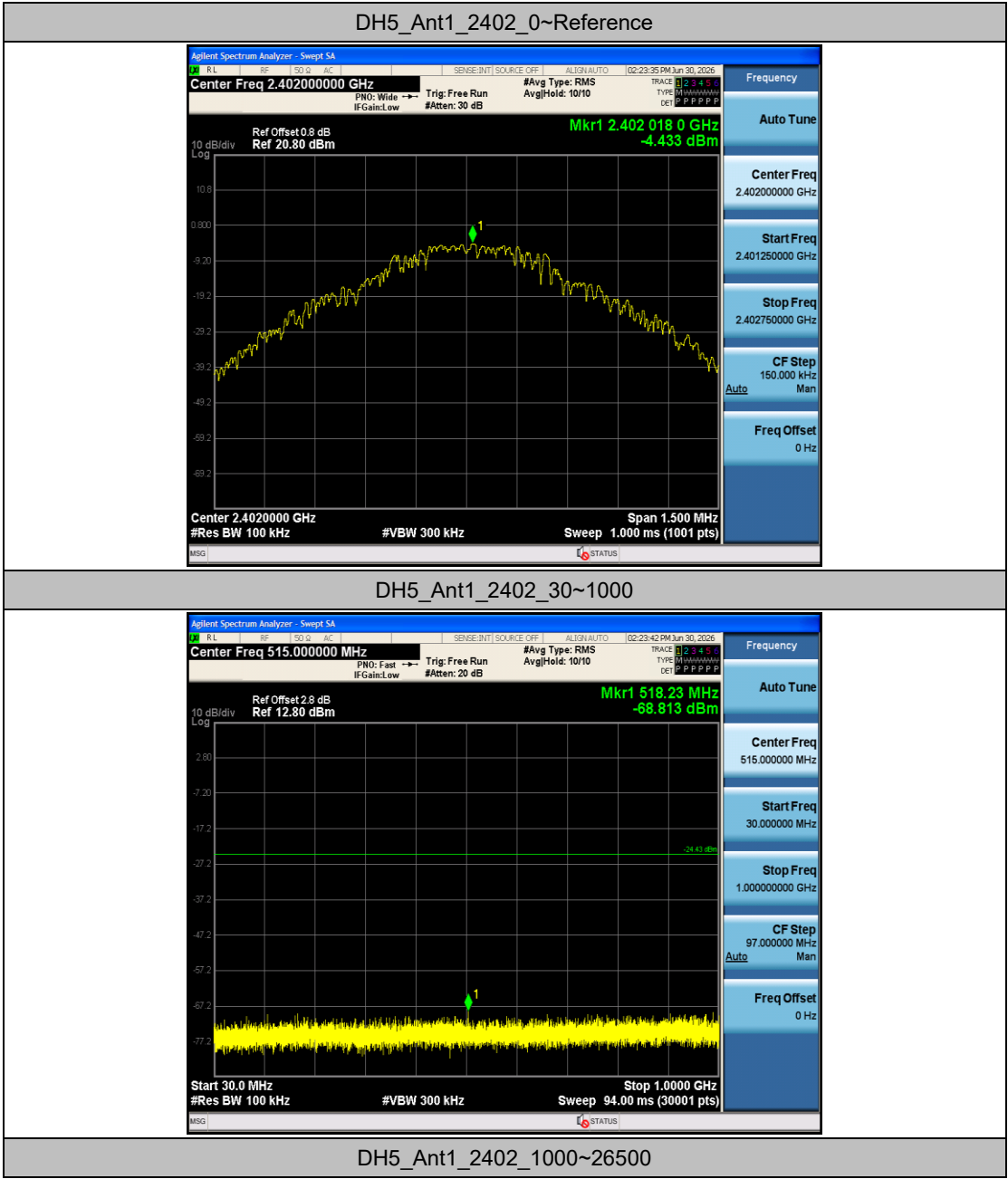


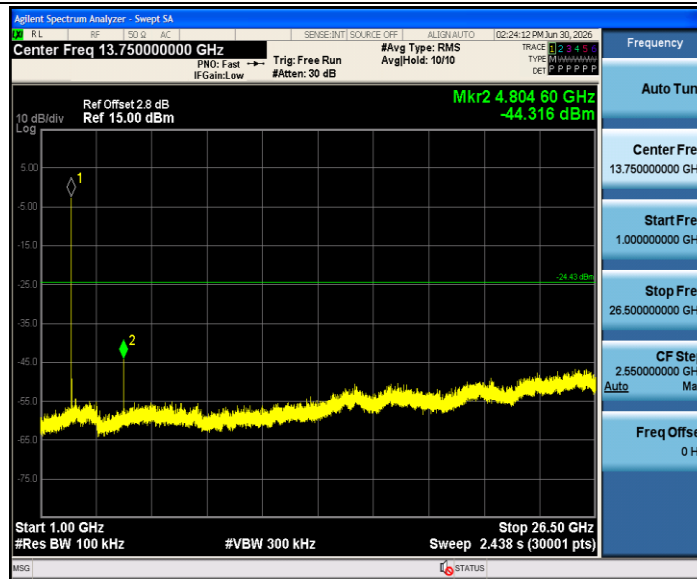
Appendix H: Conducted Spurious Emission

Test Result

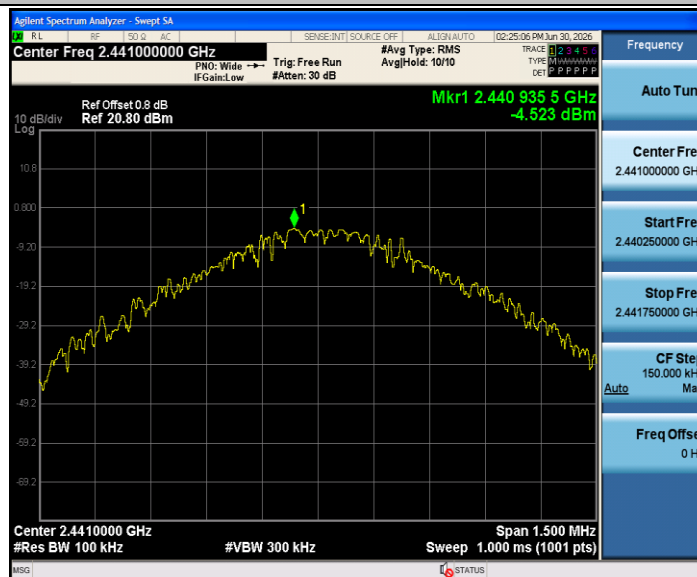
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.43	-4.43	---	PASS
			30~1000	-4.43	-68.81	≤-24.43	PASS
			1000~26500	-4.43	-44.32	≤-24.43	PASS
		2441	Reference	-4.52	-4.52	---	PASS
			30~1000	-4.52	-66.82	≤-24.52	PASS
			1000~26500	-4.52	-45.32	≤-24.52	PASS
		2480	Reference	-4.78	-4.78	---	PASS
			30~1000	-4.78	-68.69	≤-24.78	PASS
			1000~26500	-4.78	-46.44	≤-24.78	PASS
2DH5	Ant1	2402	Reference	-5.41	-5.41	---	PASS
			30~1000	-5.41	-68.04	≤-25.41	PASS
			1000~26500	-5.41	-46.06	≤-25.41	PASS
		2441	Reference	-3.62	-3.62	---	PASS
			30~1000	-3.62	-68.85	≤-23.62	PASS
			1000~26500	-3.62	-46.27	≤-23.62	PASS
		2480	Reference	-5.85	-5.85	---	PASS
			30~1000	-5.85	-66.72	≤-25.85	PASS
			1000~26500	-5.85	-46.3	≤-25.85	PASS
3DH5	Ant1	2402	Reference	-3.70	-3.70	---	PASS
			30~1000	-3.70	-68.99	≤-23.7	PASS
			1000~26500	-3.70	-46.54	≤-23.7	PASS
		2441	Reference	-4.90	-4.90	---	PASS
			30~1000	-4.90	-67.95	≤-24.9	PASS
			1000~26500	-4.90	-45.98	≤-24.9	PASS
		2480	Reference	-3.94	-3.94	---	PASS
			30~1000	-3.94	-69	≤-23.94	PASS
			1000~26500	-3.94	-46.51	≤-23.94	PASS

Test Graphs

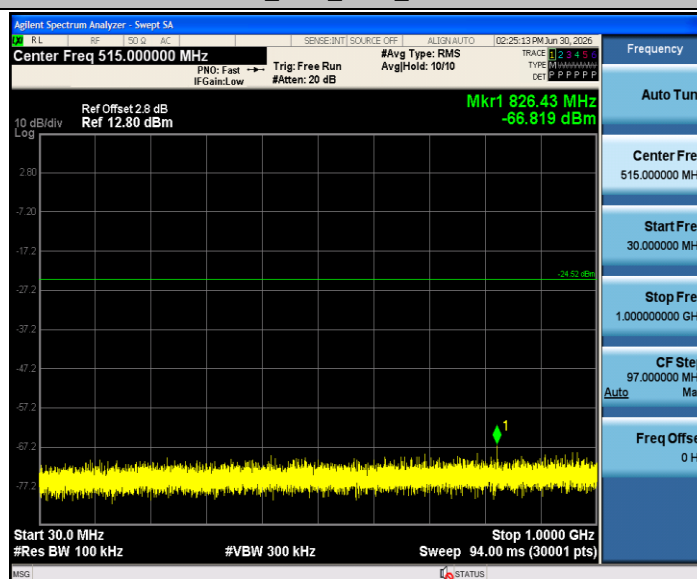




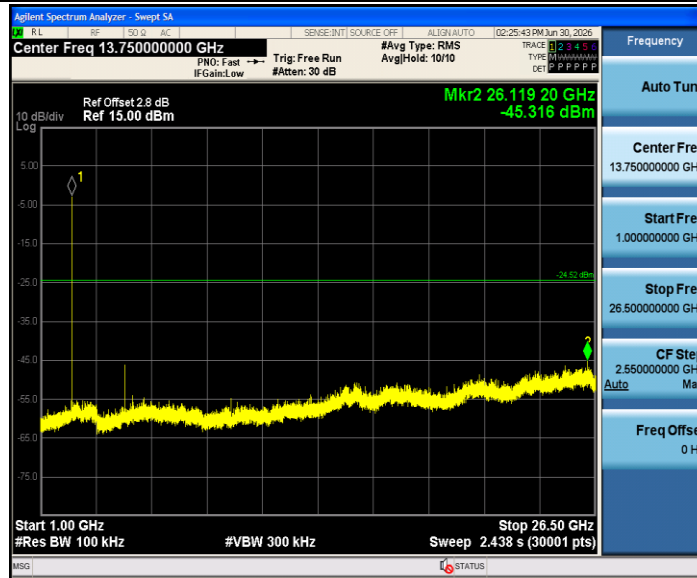
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



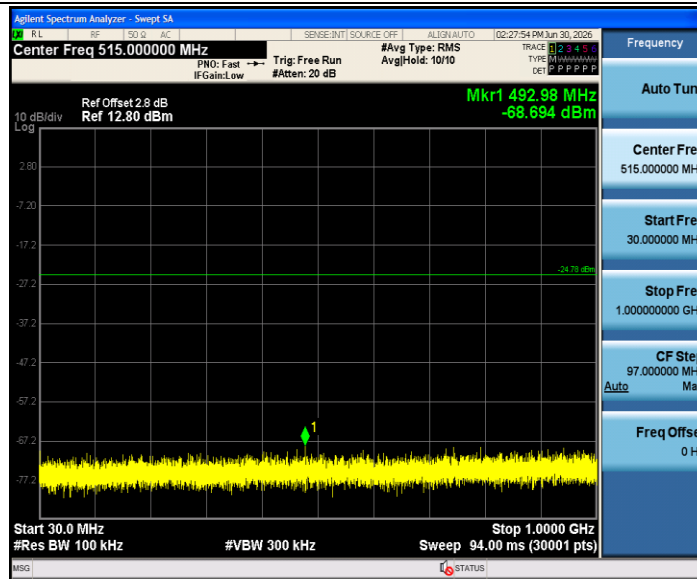
DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

