

FCC Appendix RF Test Data for BT

FCC ID : 2BXRY-PX5

Company : Shenzhen Oasis Era Electronic Technology Co.,Ltd.

EUT : Bluetooth Headphones

Model Number : PX5

Report No. : CTA26072500101

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	0.927	2479.550	2480.477	---	---
2DH5	Ant1	2402	1.320	2401.349	2402.669	---	---
		2441	1.284	2440.379	2441.663	---	---
		2480	1.287	2479.379	2480.666	---	---
3DH5	Ant1	2402	1.299	2401.361	2402.660	---	---
		2441	1.281	2440.361	2441.642	---	---
		2480	1.281	2479.376	2480.657	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_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	0.86483	2401.5813	2402.4462	---	---
		2441	0.85895	2440.5830	2441.4419	---	---
		2480	0.86332	2479.5787	2480.4421	---	---
2DH5	Ant1	2402	1.1887	2401.4189	2402.6076	---	---
		2441	1.1842	2440.4178	2441.6020	---	---
		2480	1.1904	2479.4154	2480.6058	---	---
3DH5	Ant1	2402	1.1904	2401.4203	2402.6107	---	---
		2441	1.1869	2440.4205	2441.6074	---	---
		2480	1.1756	2479.4292	2480.6048	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



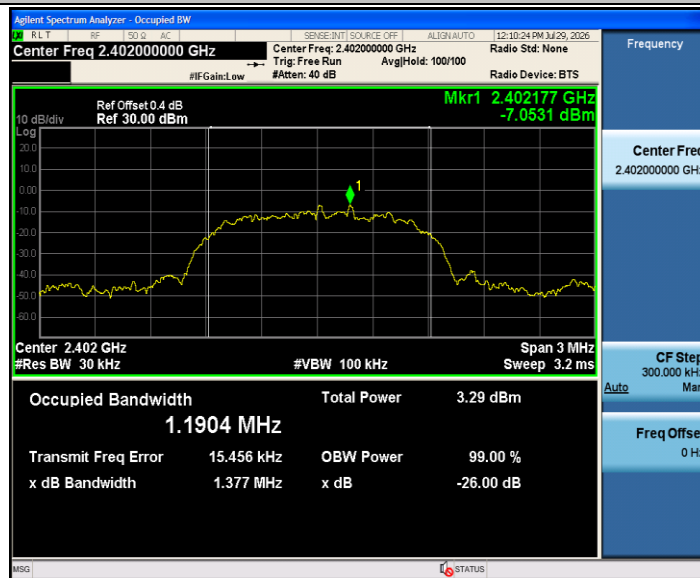
2DH5_Ant1_2441



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	-3.37	≤20.97	PASS
		2441	-3.49	≤20.97	PASS
		2480	-3.83	≤20.97	PASS
2DH5	Ant1	2402	-0.75	≤20.97	PASS
		2441	-0.89	≤20.97	PASS
		2480	-1.19	≤20.97	PASS
3DH5	Ant1	2402	-0.30	≤20.97	PASS
		2441	-0.50	≤20.97	PASS
		2480	-0.88	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.97	≥ 0.960	PASS
2DH5	Ant1	Hop	0.992	≥ 0.880	PASS
3DH5	Ant1	Hop	1.134	≥ 0.866	PASS

Test Graphs



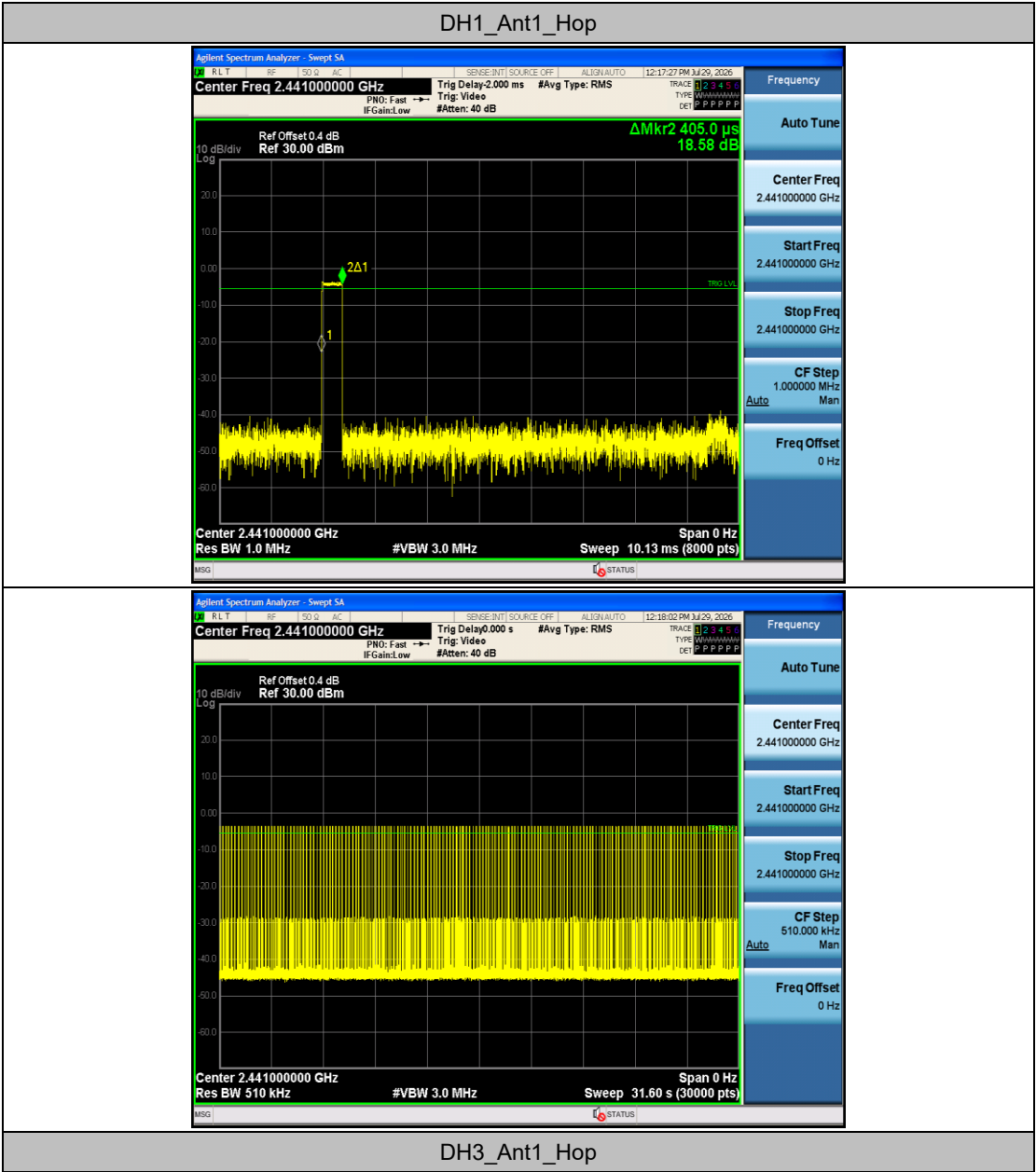


Appendix E: Time of occupancy

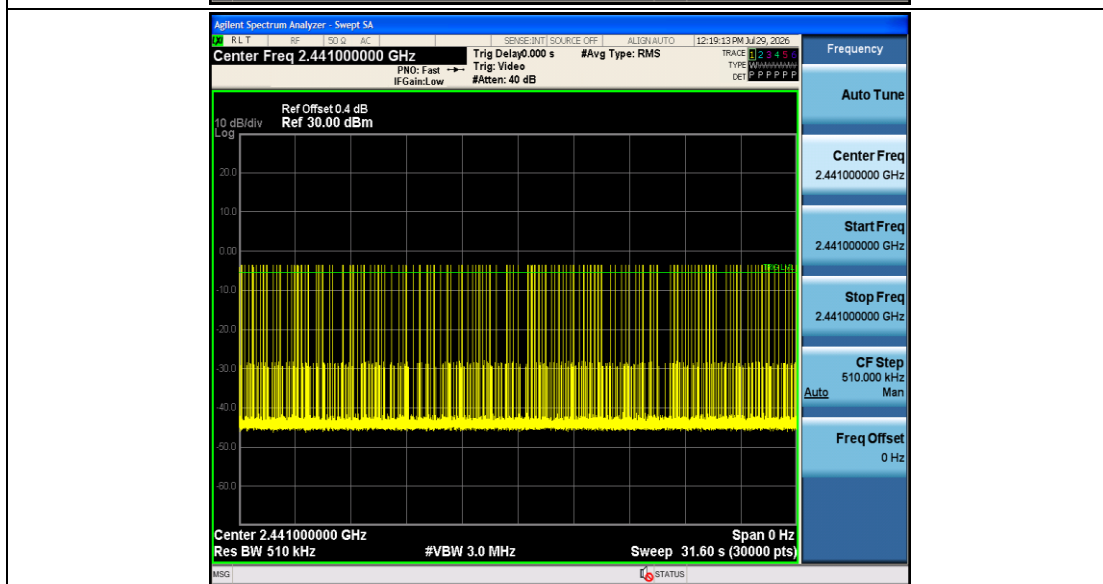
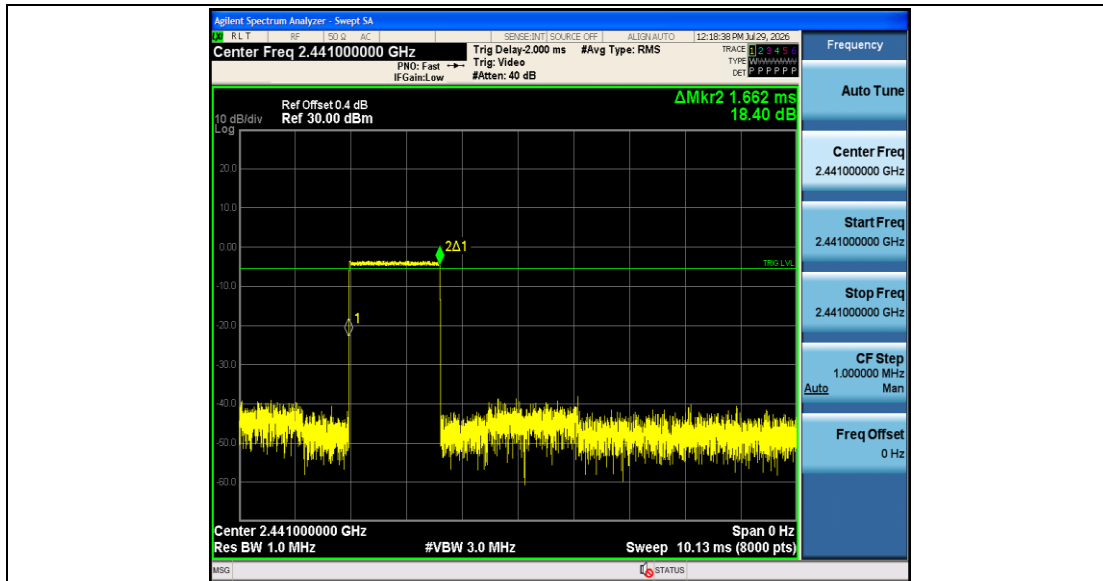
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	319	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	170	0.283	≤0.4	PASS
DH5	Ant1	Hop	2.911	101	0.294	≤0.4	PASS
2DH1	Ant1	Hop	0.415	319	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.668	163	0.272	≤0.4	PASS
2DH5	Ant1	Hop	2.916	105	0.306	≤0.4	PASS
3DH1	Ant1	Hop	0.415	317	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.666	162	0.27	≤0.4	PASS
3DH5	Ant1	Hop	2.916	107	0.312	≤0.4	PASS

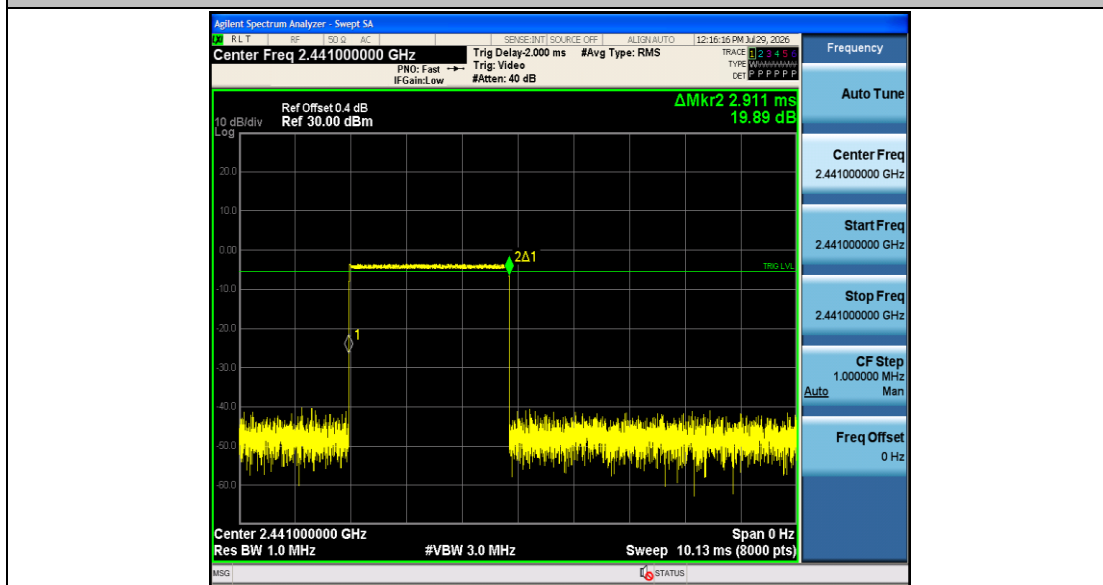
Test Graphs

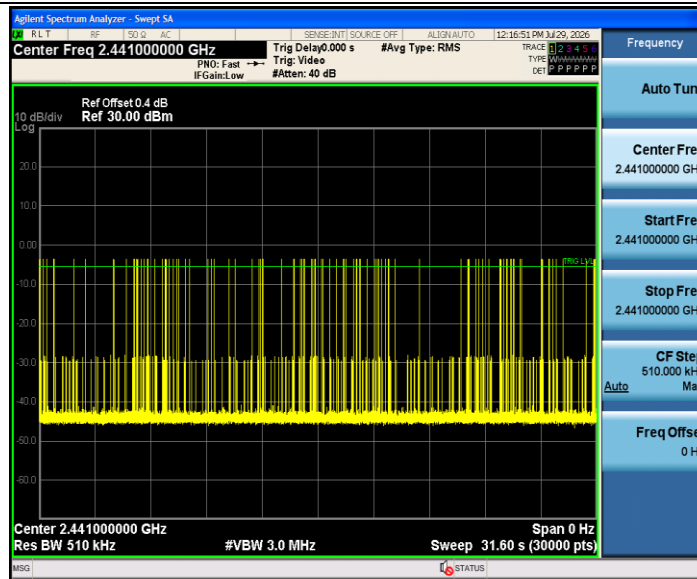


DH3_Ant1_Hop

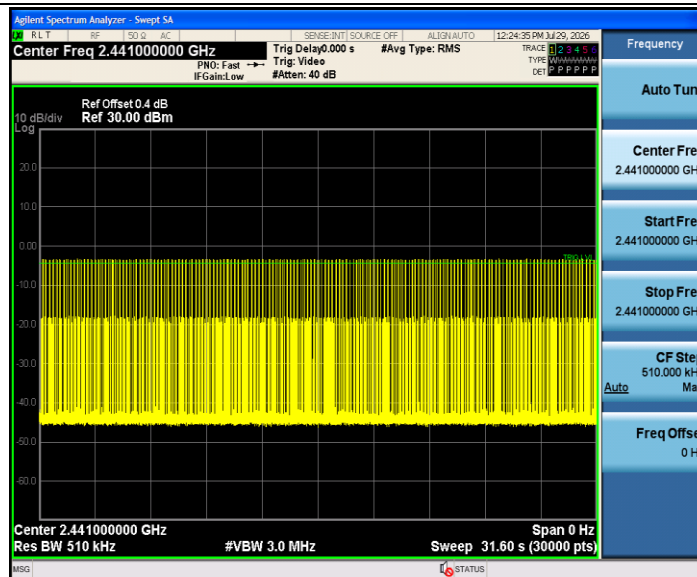
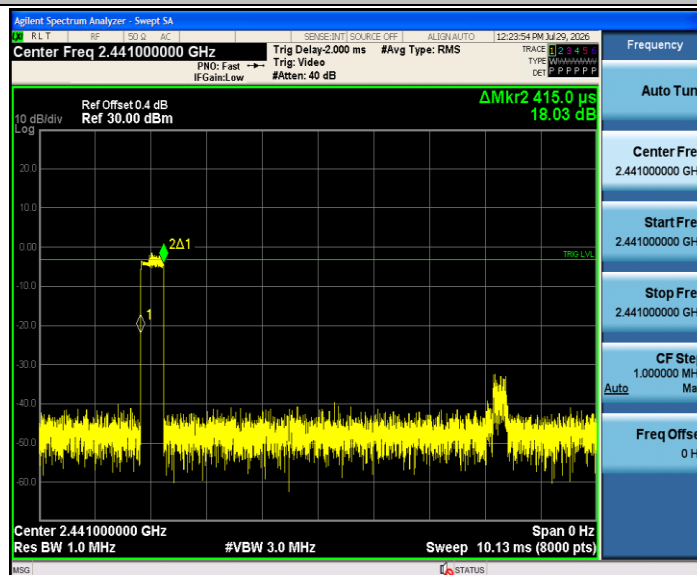


DH5_Ant1_Hop

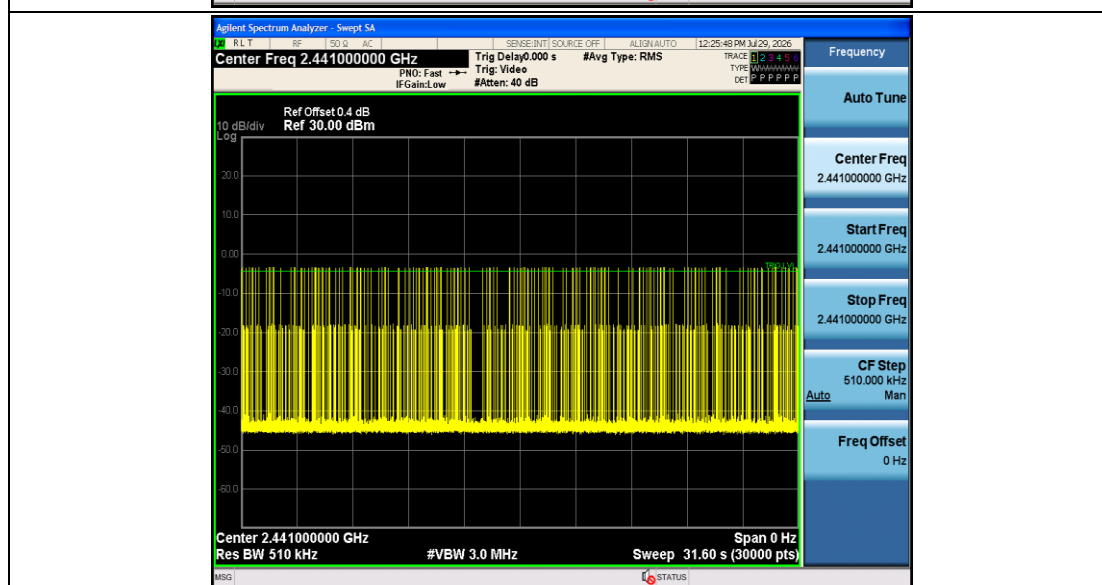
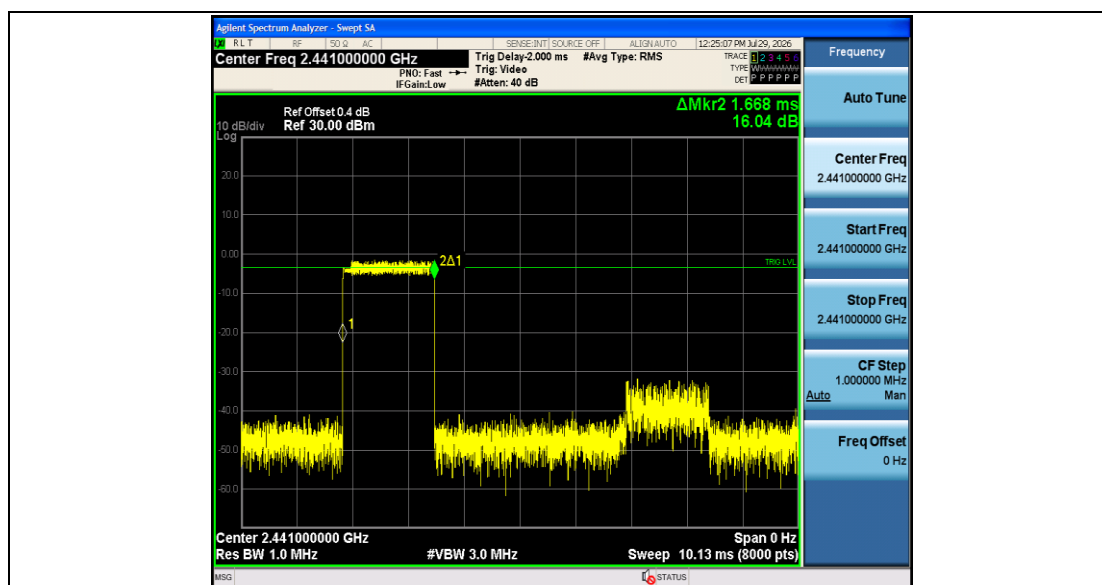




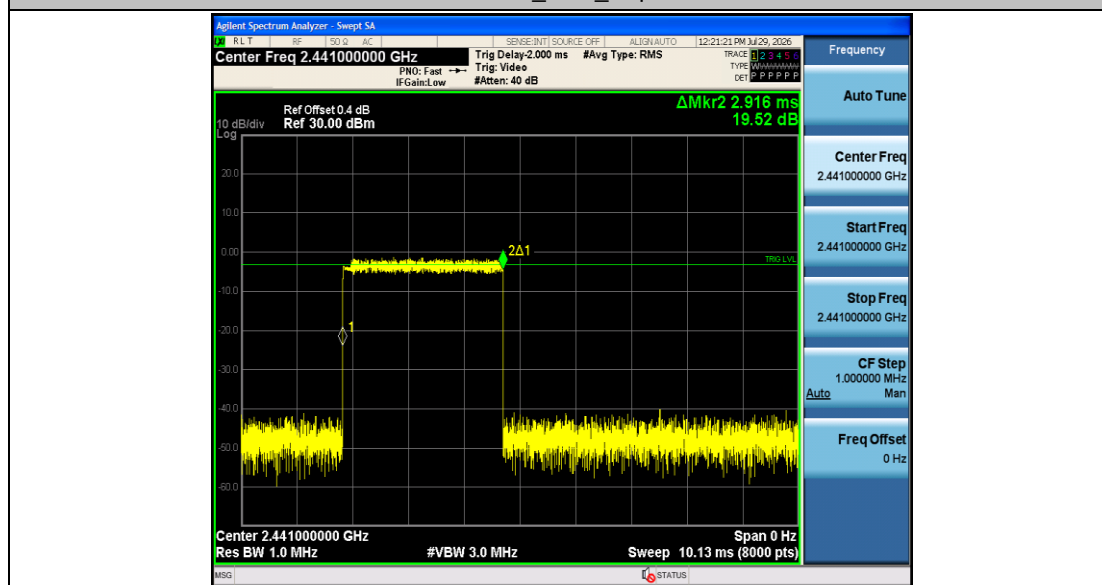
2DH1_Ant1_Hop

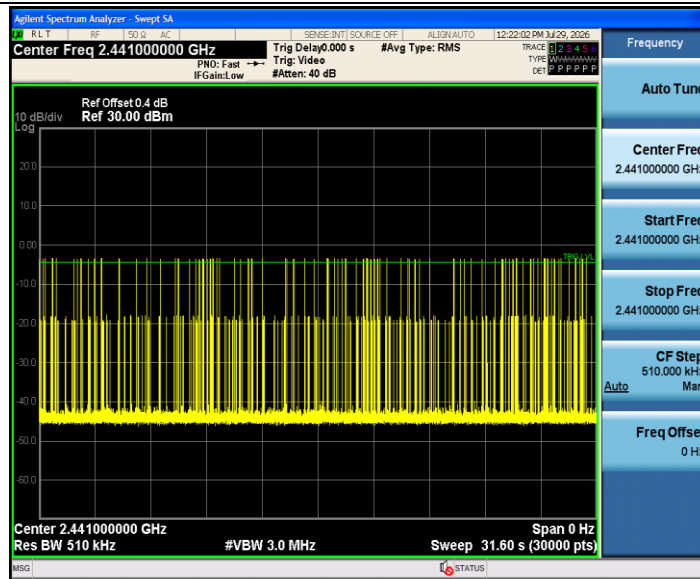


2DH3_Ant1_Hop

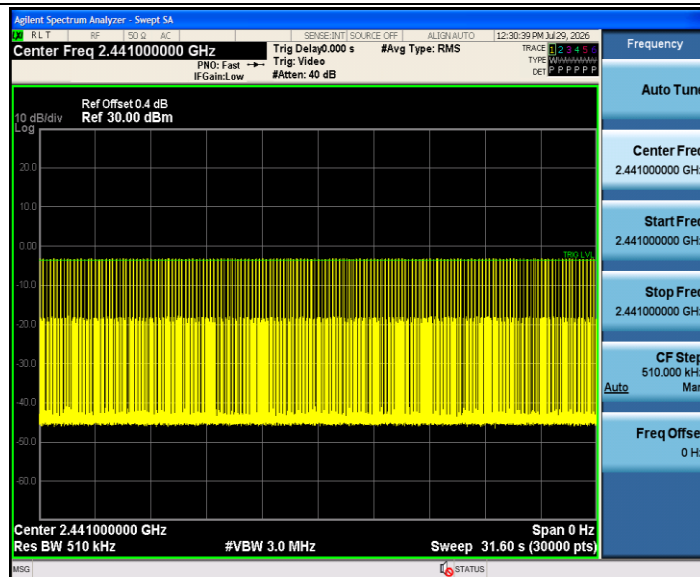
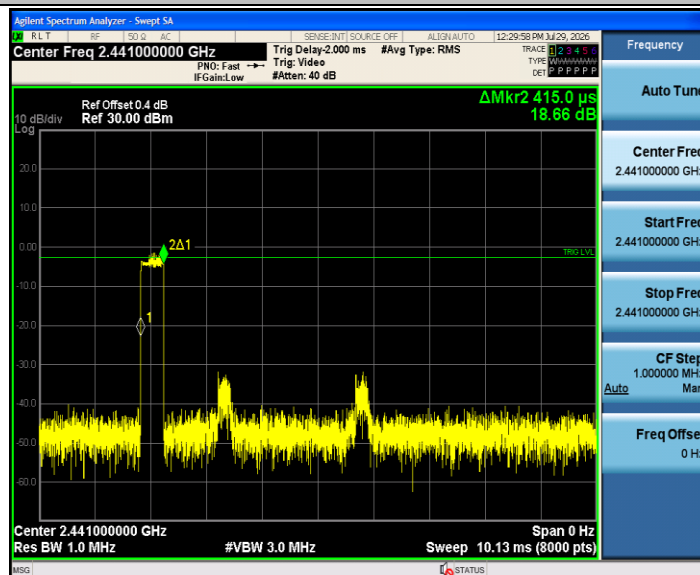


2DH5_Ant1_Hop

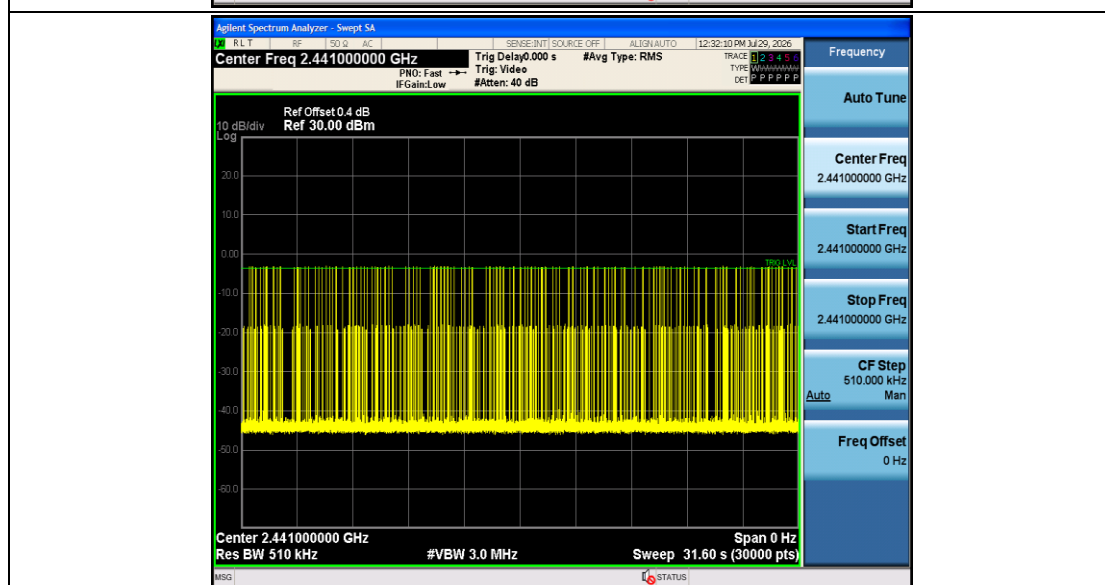
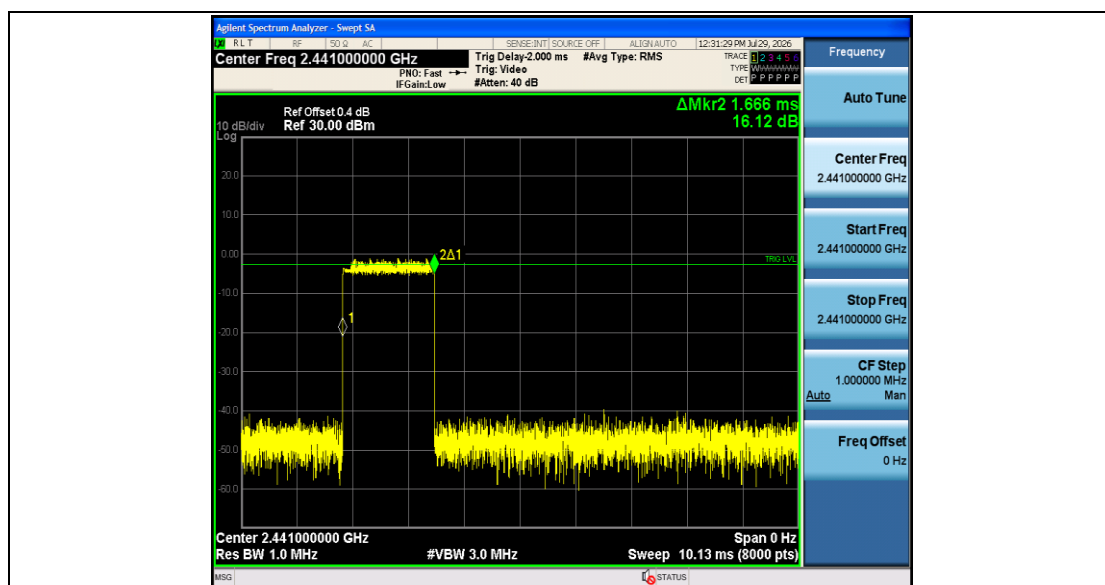




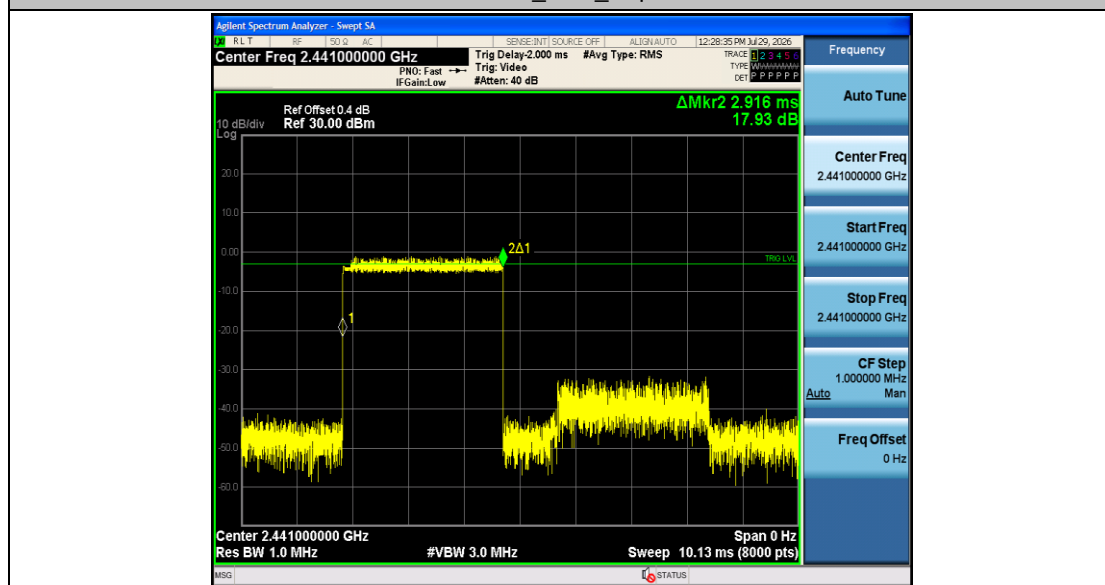
3DH1_Ant1_Hop

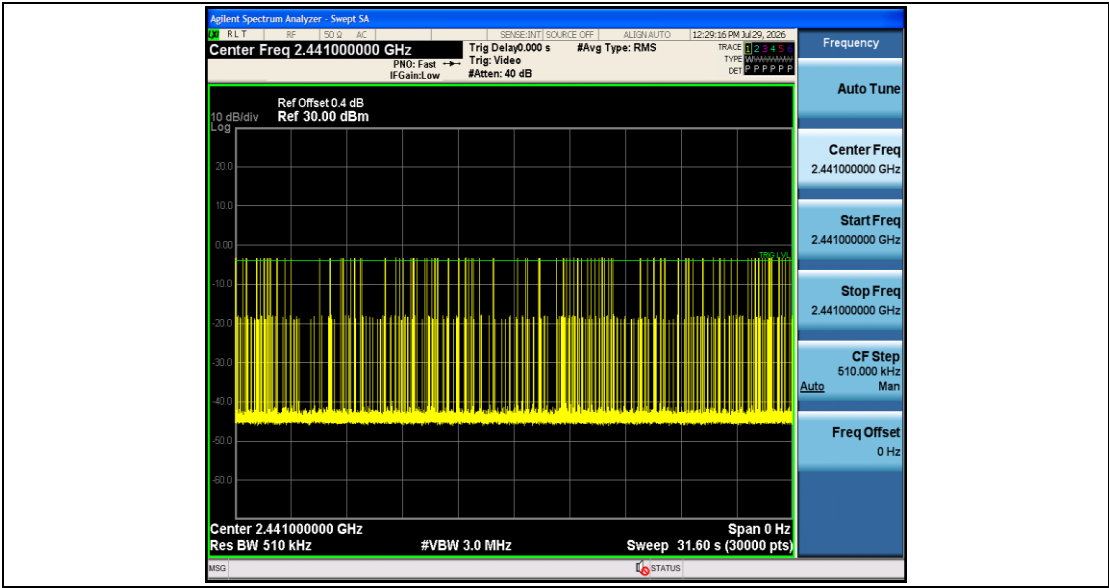


3DH3_Ant1_Hop



3DH5_Ant1_Hop



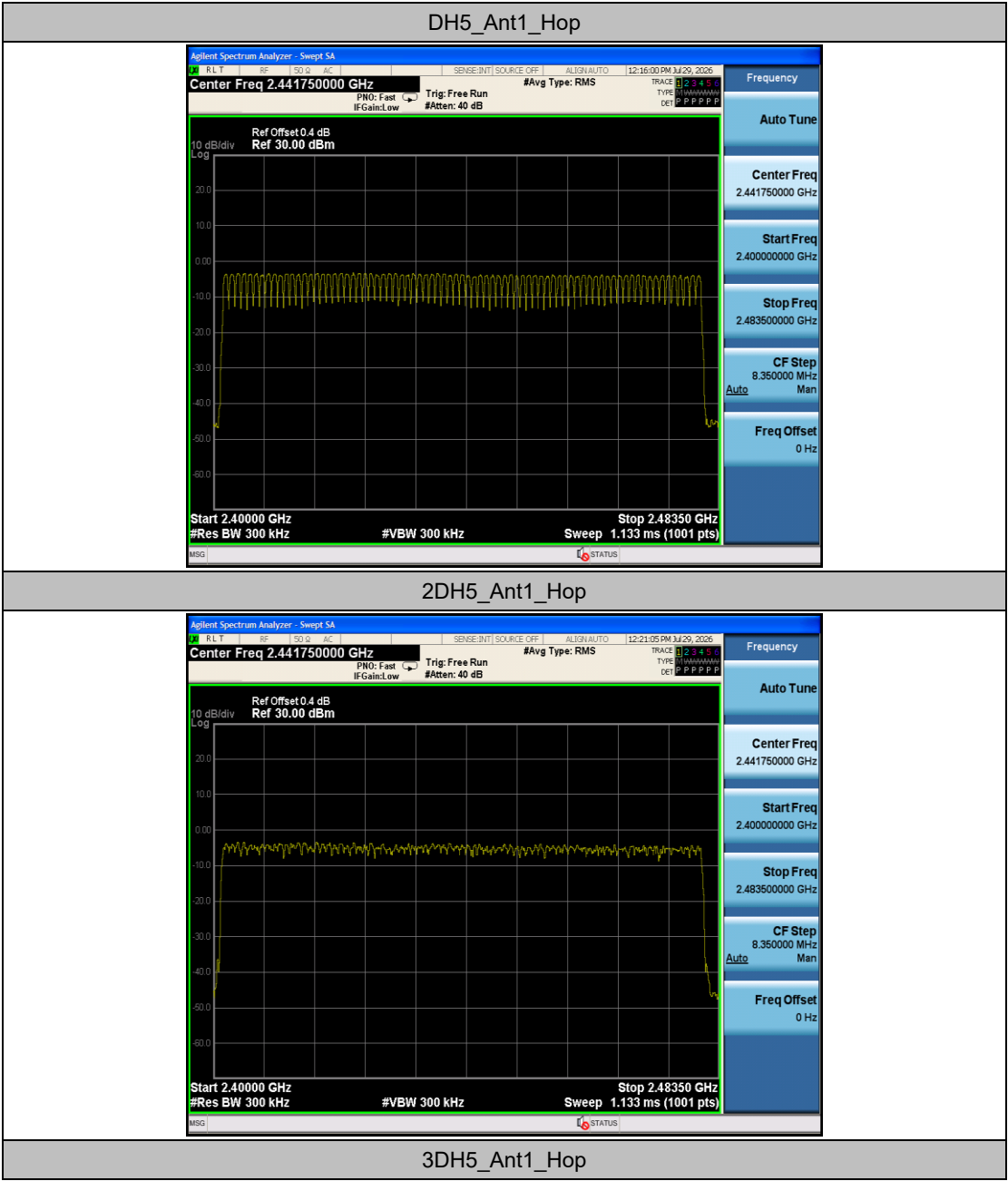


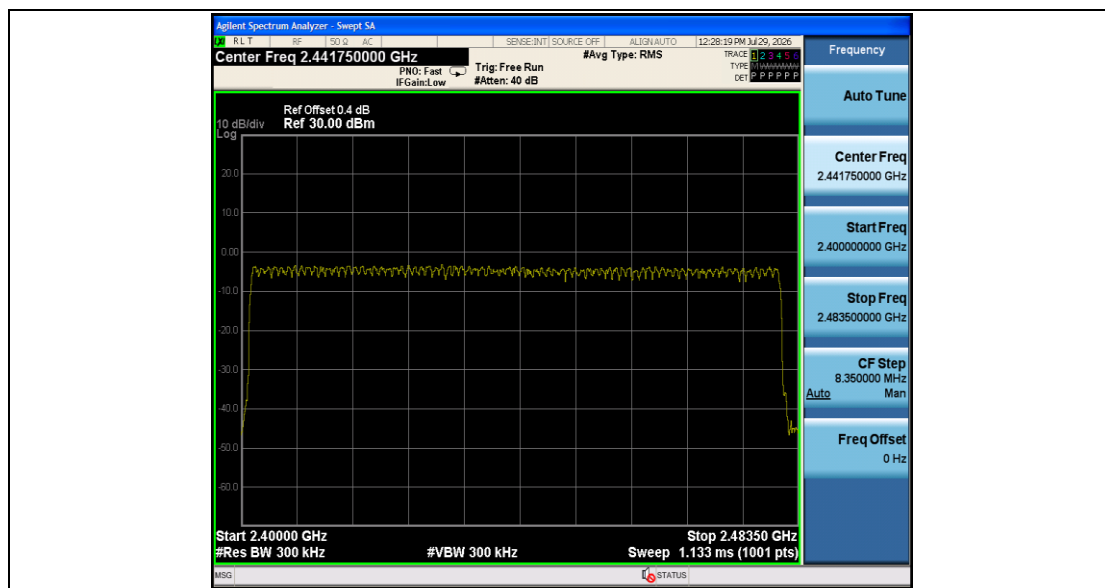
Appendix F: Number of hopping channels

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



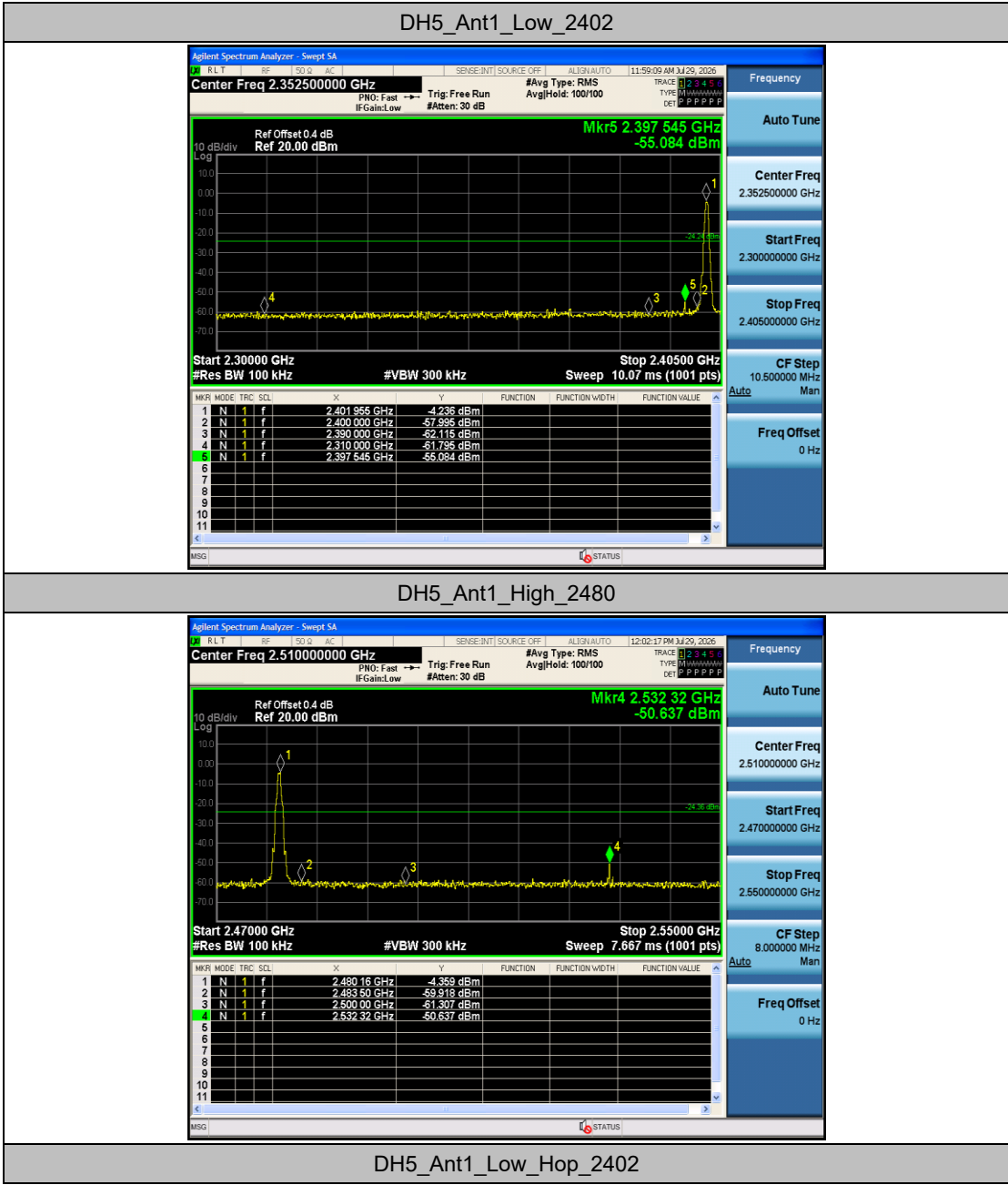


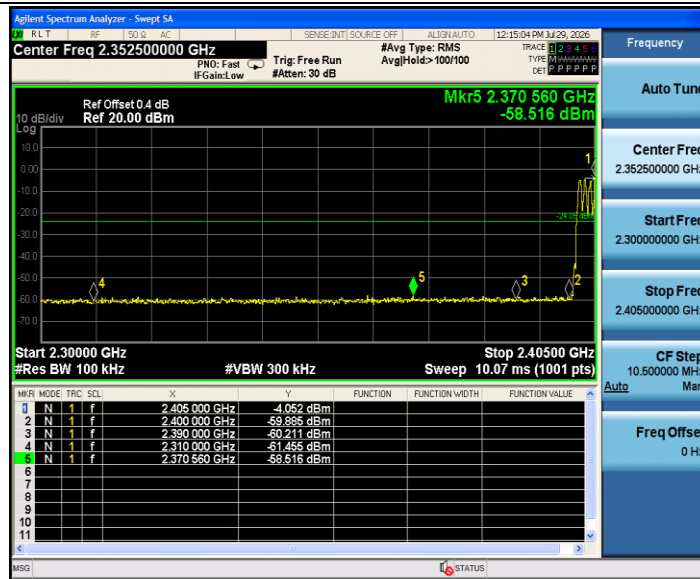
Appendix G: Band edge measurements

Test Result

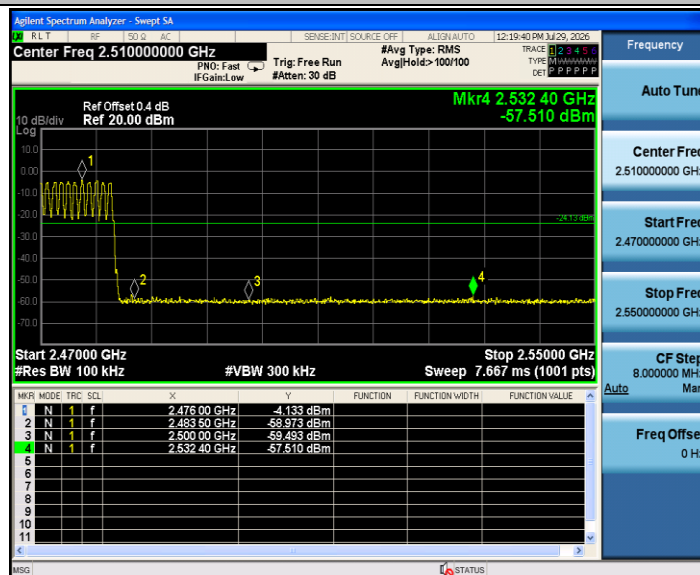
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.24	-55.08	≤-24.24	PASS
		High	2480	-4.36	-50.64	≤-24.36	PASS
		Low	Hop_2402	-4.05	-58.52	≤-24.05	PASS
		High	Hop_2480	-4.13	-57.51	≤-24.13	PASS
2DH5	Ant1	Low	2402	-3.53	-56.88	≤-23.53	PASS
		High	2480	-5.78	-57.44	≤-25.78	PASS
		Low	Hop_2402	-7.04	-55.04	≤-27.04	PASS
		High	Hop_2480	-5.15	-57.21	≤-25.15	PASS
3DH5	Ant1	Low	2402	-3.56	-57.1	≤-23.56	PASS
		High	2480	-3.95	-58.16	≤-23.95	PASS
		Low	Hop_2402	-5.69	-56.63	≤-25.69	PASS
		High	Hop_2480	-4.02	-57.82	≤-24.02	PASS

Test Graphs

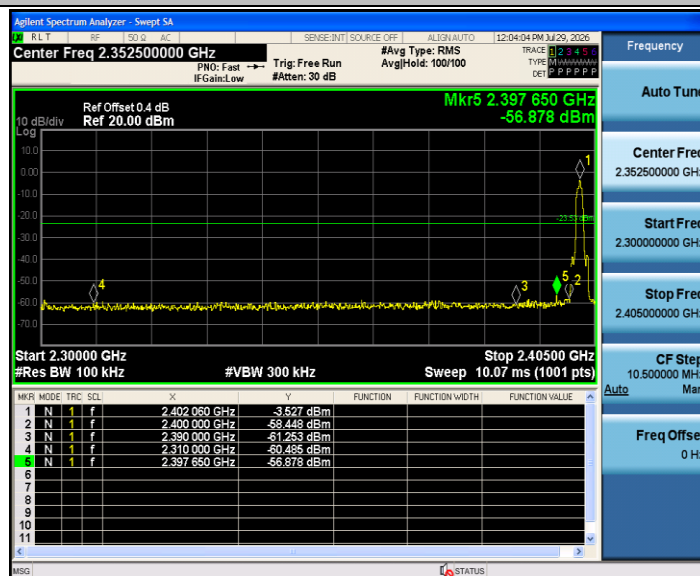




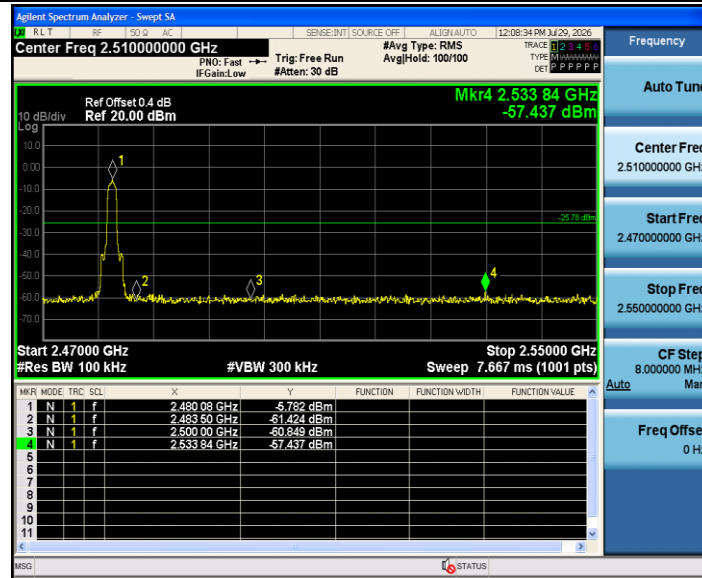
DH5_Ant1_High_Hop_2480



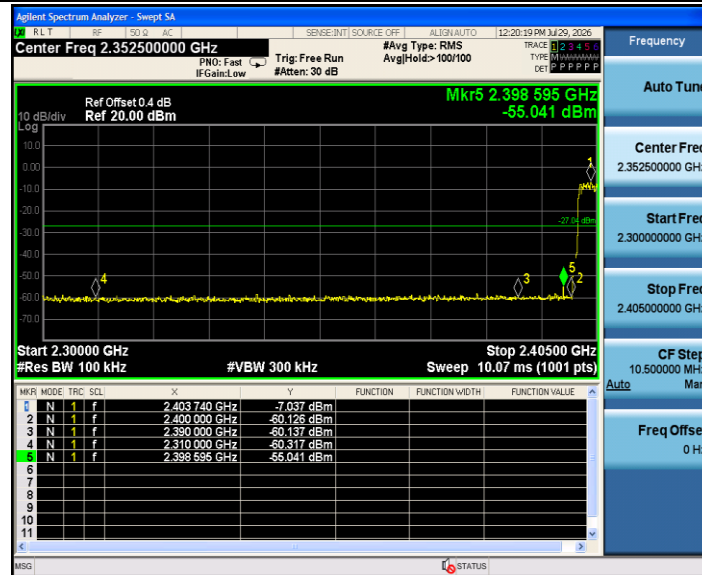
2DH5_Ant1_Low_2402



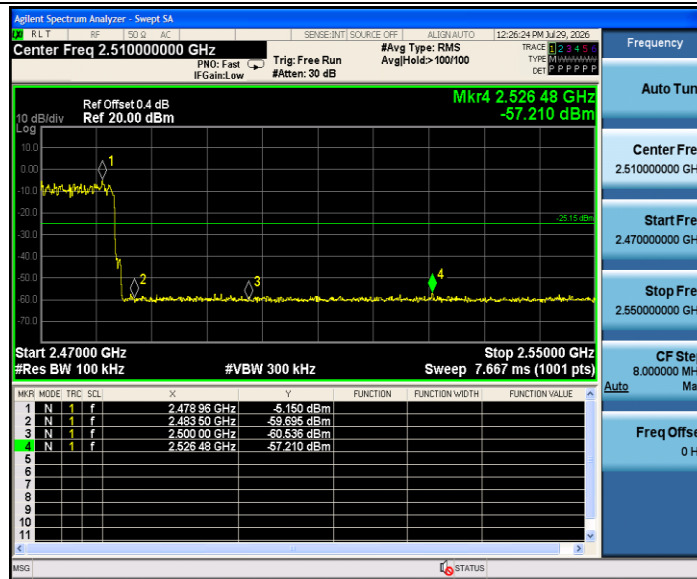
2DH5_Ant1_High_2480



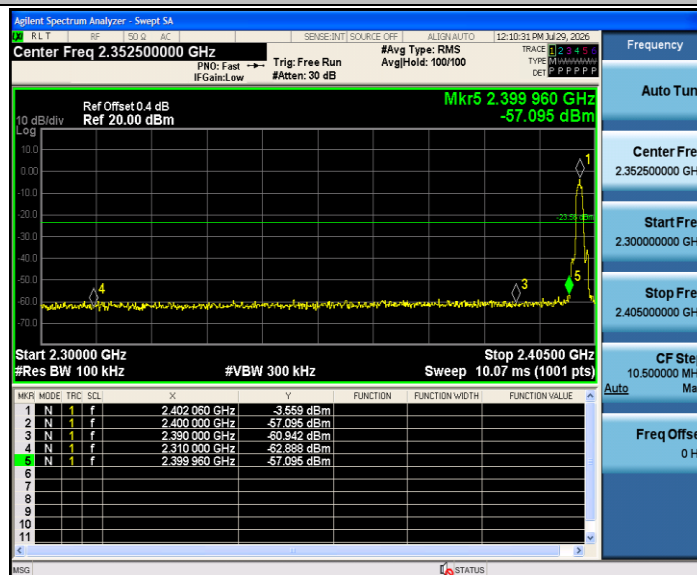
2DH5_Ant1_Low_Hop_2402



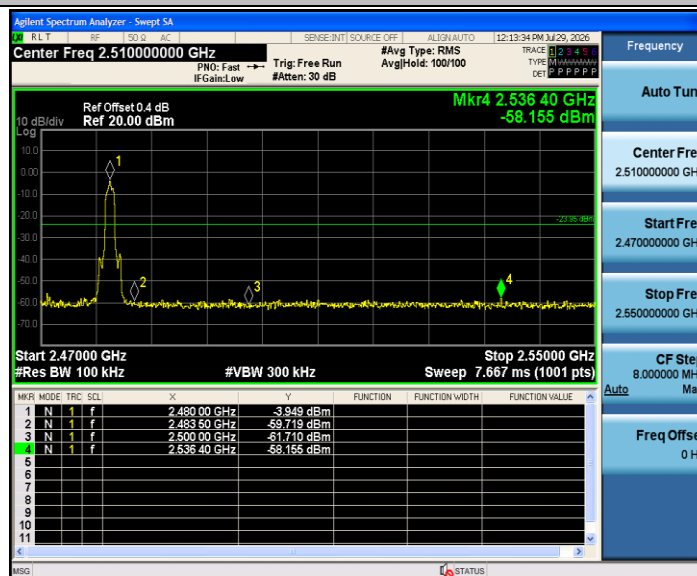
2DH5_Ant1_High_Hop_2480



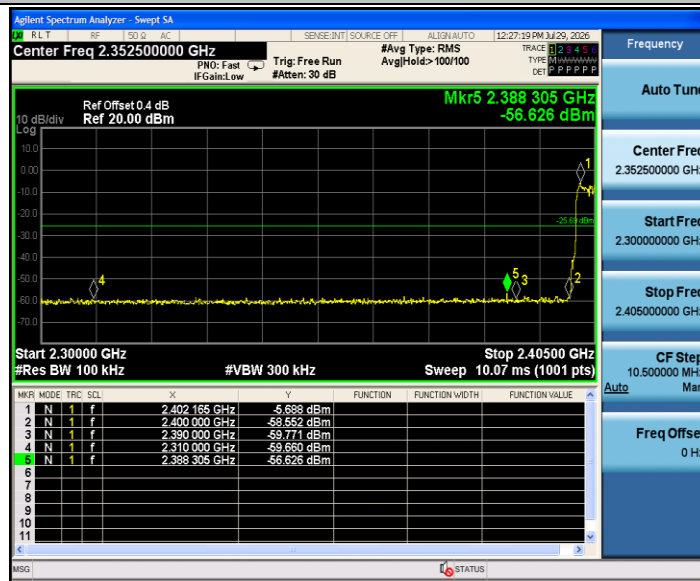
3DH5_Ant1_Low_2402



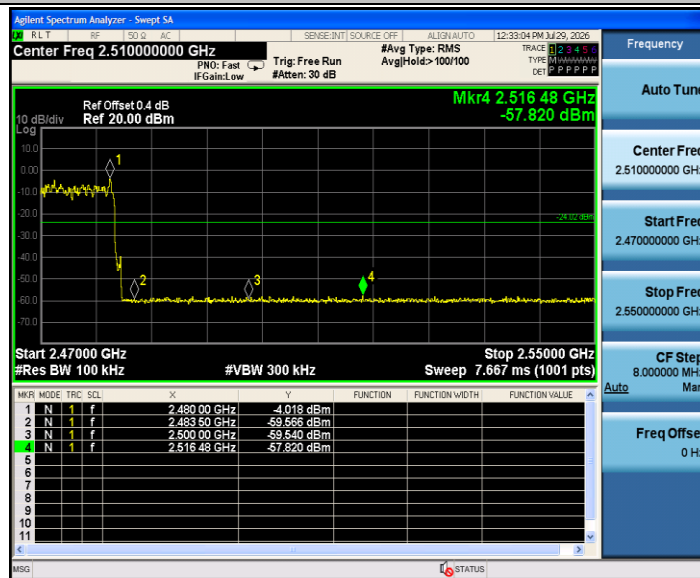
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

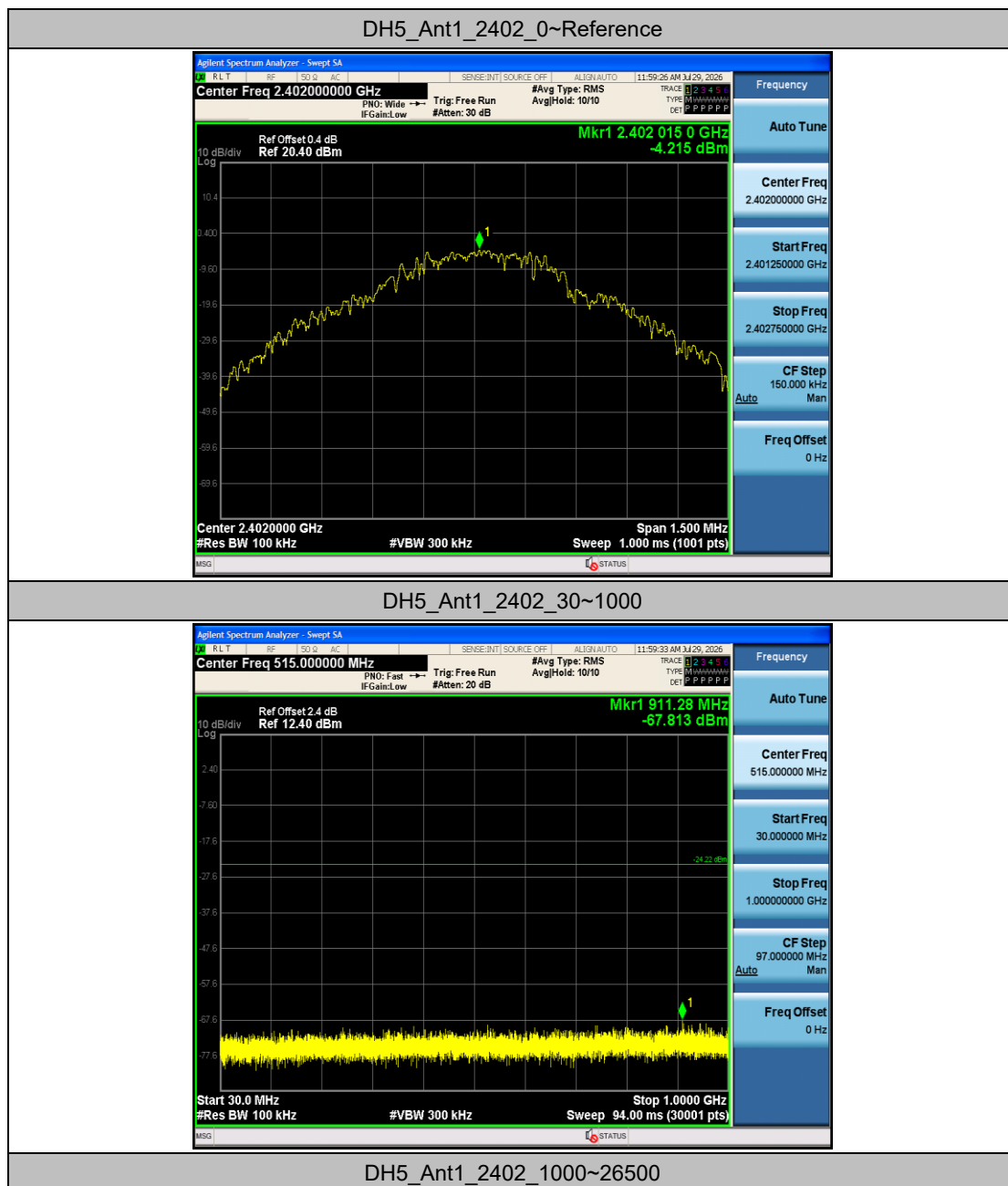


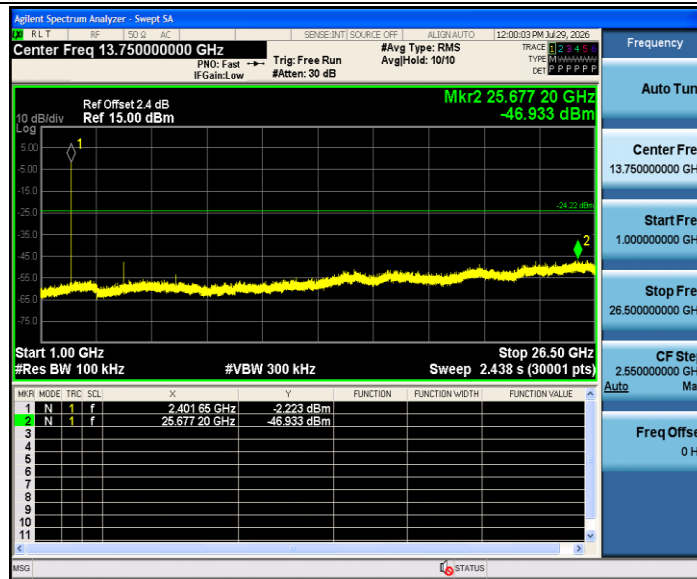
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.22	-4.22	---	PASS
			30~1000	-4.22	-67.81	≤-24.22	PASS
			1000~26500	-4.22	-46.93	≤-24.22	PASS
		2441	Reference	-4.96	-4.96	---	PASS
			30~1000	-4.96	-68.89	≤-24.96	PASS
			1000~26500	-4.96	-46.65	≤-24.96	PASS
		2480	Reference	-5.17	-5.17	---	PASS
			30~1000	-5.17	-68.41	≤-25.17	PASS
			1000~26500	-5.17	-46.64	≤-25.17	PASS
2DH5	Ant1	2402	Reference	-5.16	-5.16	---	PASS
			30~1000	-5.16	-68.34	≤-25.16	PASS
			1000~26500	-5.16	-47.24	≤-25.16	PASS
		2441	Reference	-5.22	-5.22	---	PASS
			30~1000	-5.22	-68.24	≤-25.22	PASS
			1000~26500	-5.22	-46.12	≤-25.22	PASS
		2480	Reference	-4.82	-4.82	---	PASS
			30~1000	-4.82	-68.23	≤-24.82	PASS
			1000~26500	-4.82	-46.48	≤-24.82	PASS
3DH5	Ant1	2402	Reference	-5.81	-5.81	---	PASS
			30~1000	-5.81	-68.64	≤-25.81	PASS
			1000~26500	-5.81	-46.92	≤-25.81	PASS
		2441	Reference	-6.19	-6.19	---	PASS
			30~1000	-6.19	-68.72	≤-26.19	PASS
			1000~26500	-6.19	-46.63	≤-26.19	PASS
		2480	Reference	-6.72	-6.72	---	PASS
			30~1000	-6.72	-68.6	≤-26.72	PASS
			1000~26500	-6.72	-46.5	≤-26.72	PASS

Test Graphs

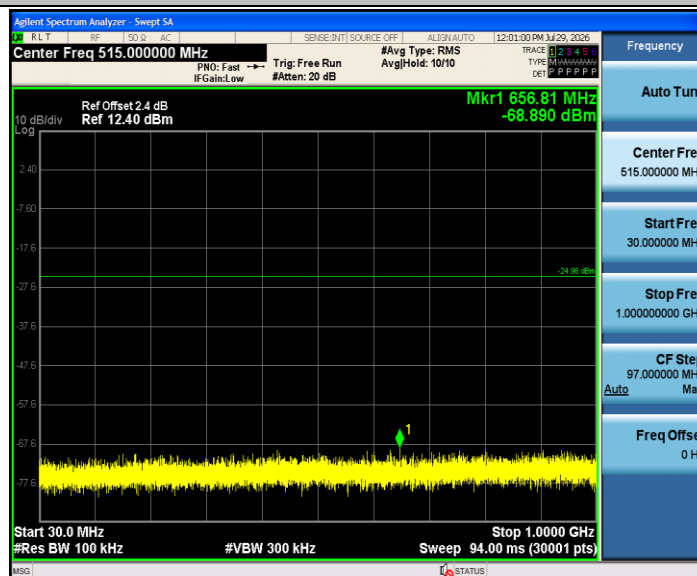




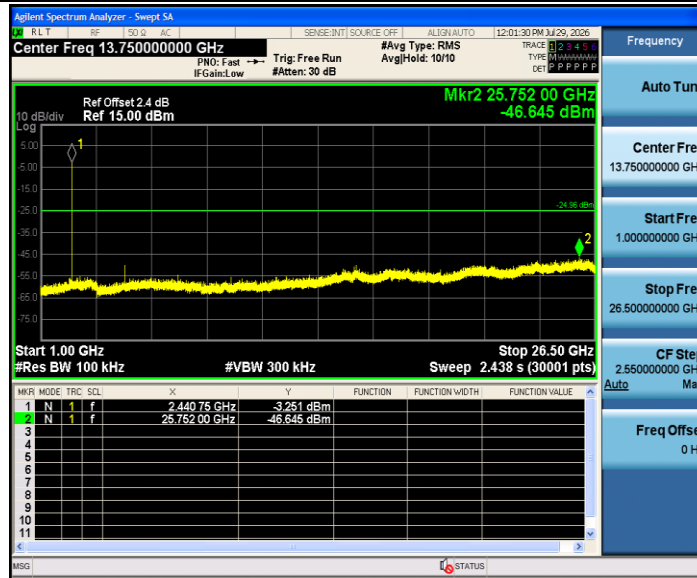
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



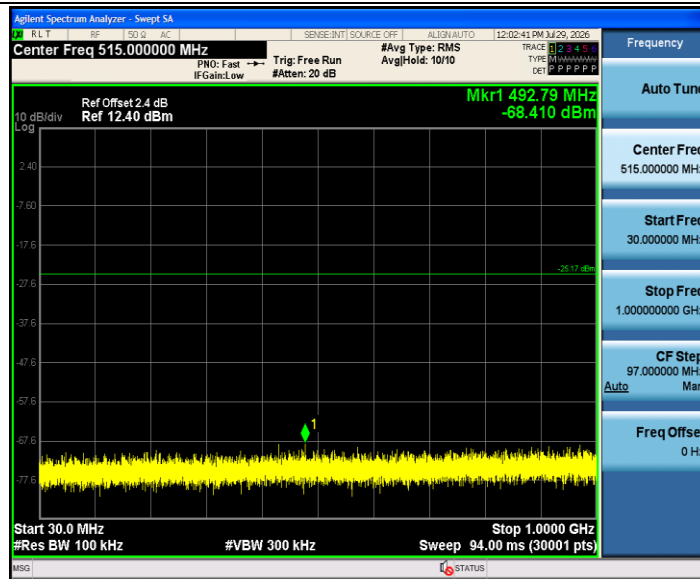
DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

