

FCC Appendix RF Test Data for BT

FCC ID : 2BWW6-NV-09706

Company : Max Sales Group

EUT : Portable Bluetooth Karoke Speaker

Model Number : NV-09706

Report No. : CTA26062501001

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	0.945	2401.550	2402.495	---	---
		2441	0.939	2440.556	2441.495	---	---
		2480	0.963	2479.538	2480.501	---	---
2DH5	Ant1	2402	1.332	2401.343	2402.675	---	---
		2441	1.284	2440.379	2441.663	---	---
		2480	1.284	2479.379	2480.663	---	---
3DH5	Ant1	2402	1.287	2401.370	2402.657	---	---
		2441	1.308	2440.367	2441.675	---	---
		2480	1.317	2479.355	2480.672	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



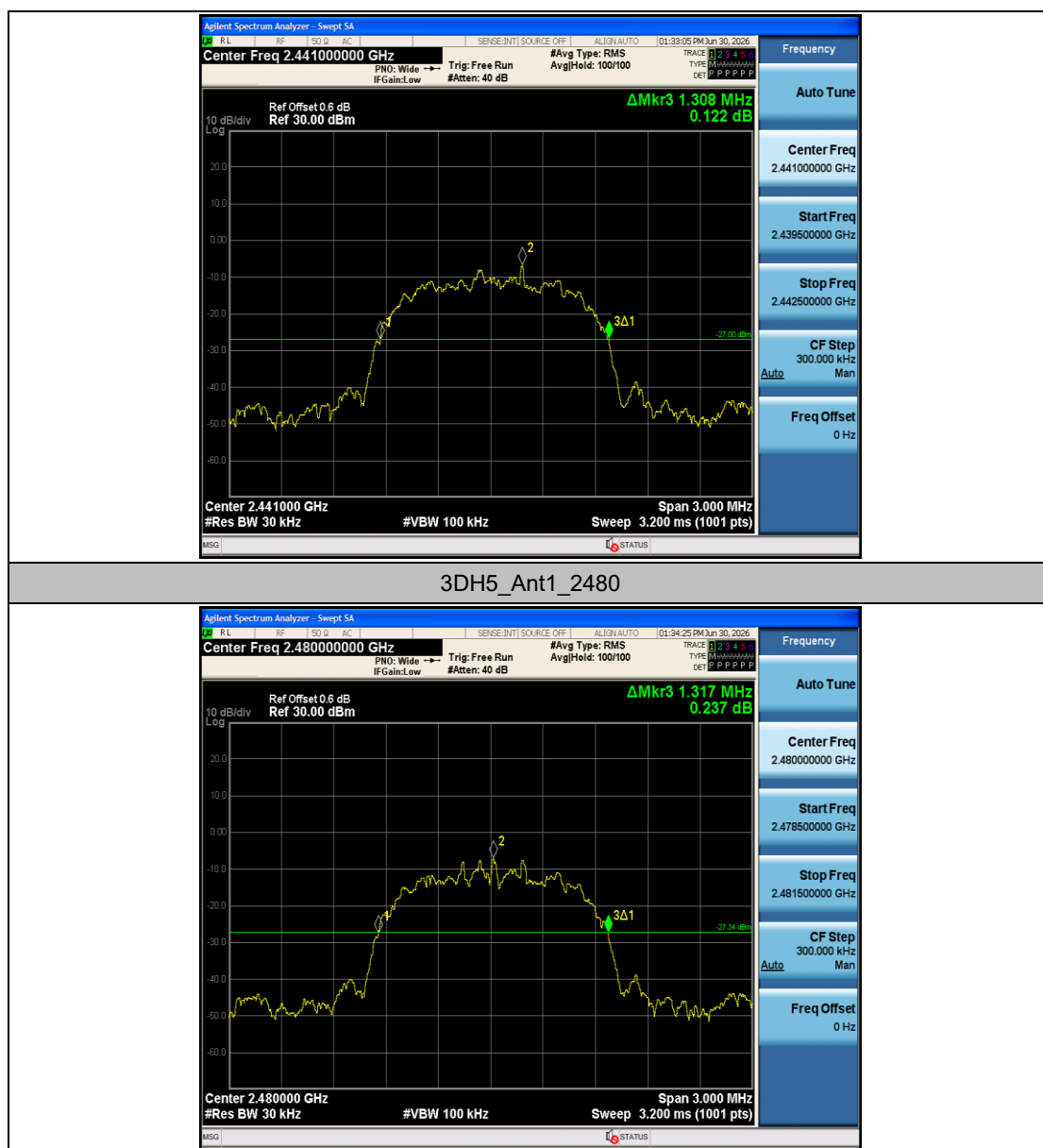
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

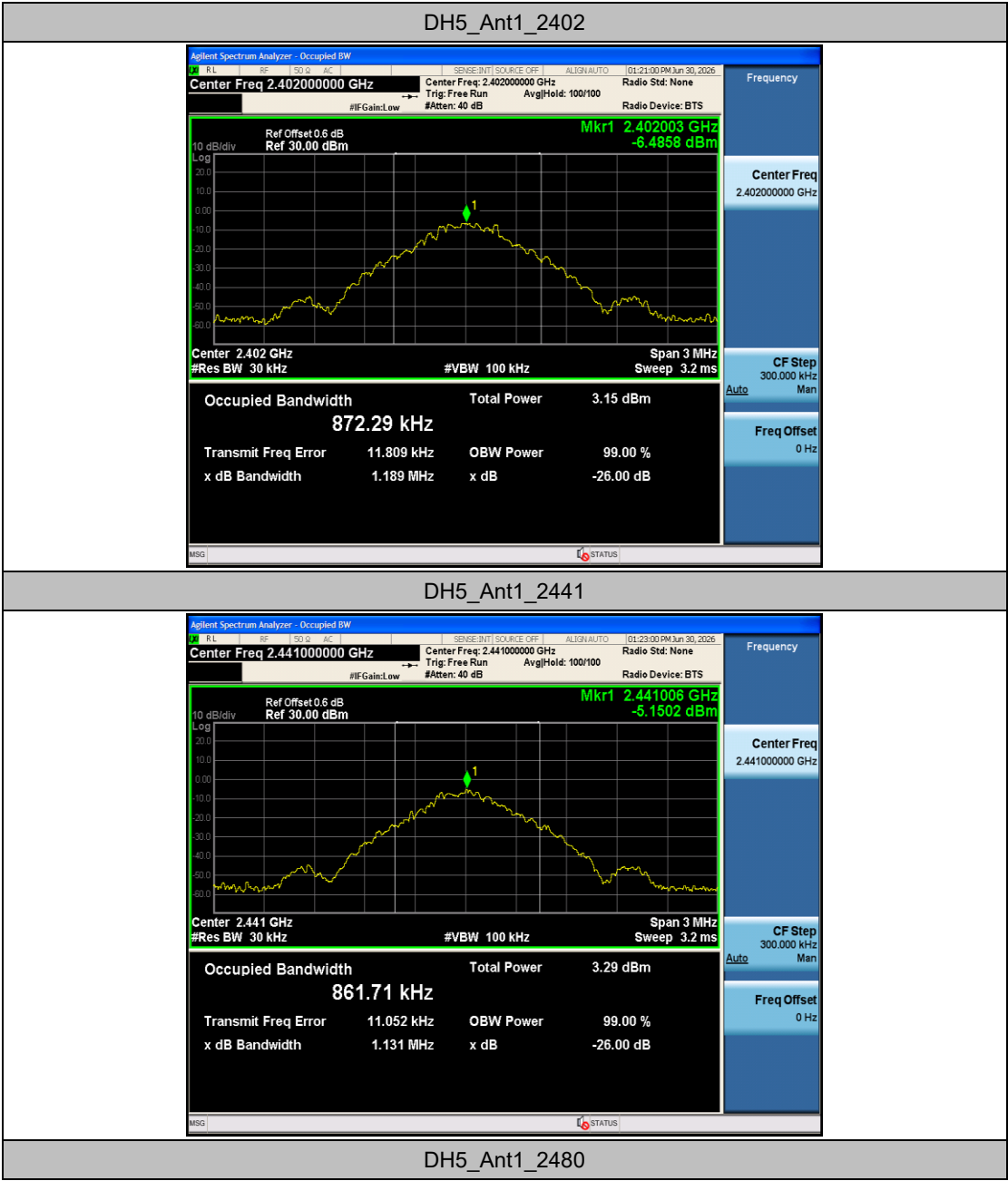


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87229	2401.5757	2402.4480	---	---
		2441	0.86171	2440.5802	2441.4419	---	---
		2480	0.86502	2479.5787	2480.4437	---	---
2DH5	Ant1	2402	1.1845	2401.4159	2402.6004	---	---
		2441	1.1856	2440.4167	2441.6023	---	---
		2480	1.1836	2479.4178	2480.6014	---	---
3DH5	Ant1	2402	1.1815	2401.4179	2402.5994	---	---
		2441	1.1934	2440.4124	2441.6058	---	---
		2480	1.1905	2479.4156	2480.6061	---	---

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	-3.17	≤20.97	PASS
		2441	-3.25	≤20.97	PASS
		2480	-3.57	≤20.97	PASS
2DH5	Ant1	2402	-0.49	≤20.97	PASS
		2441	-0.68	≤20.97	PASS
		2480	-0.98	≤20.97	PASS
3DH5	Ant1	2402	-0.07	≤20.97	PASS
		2441	-0.31	≤20.97	PASS
		2480	-0.61	≤20.97	PASS

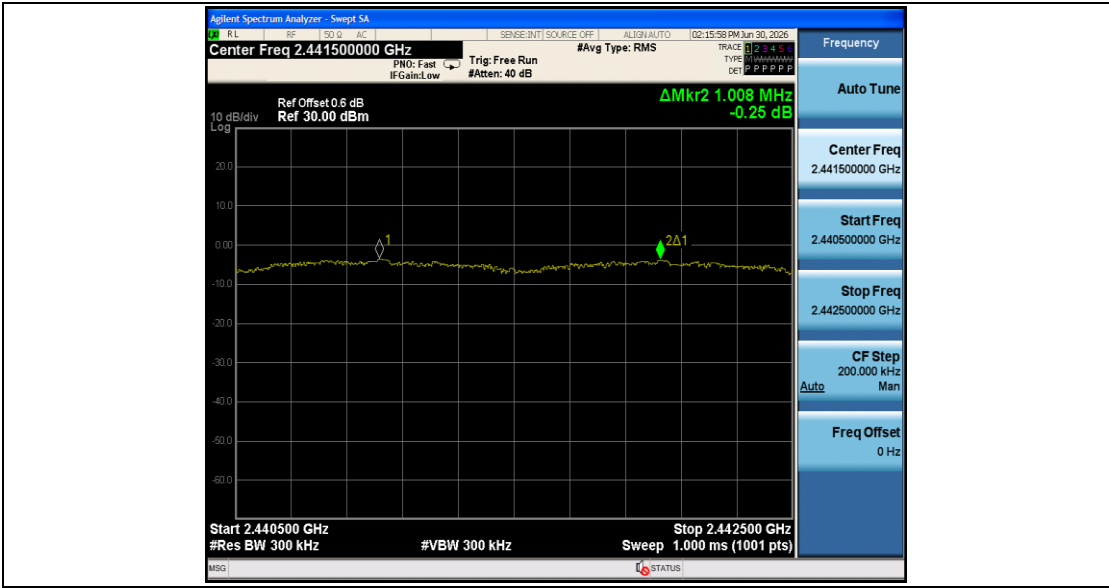
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.963	PASS
2DH5	Ant1	Hop	1.048	≥ 0.888	PASS
3DH5	Ant1	Hop	1.008	≥ 0.878	PASS

Test Graphs



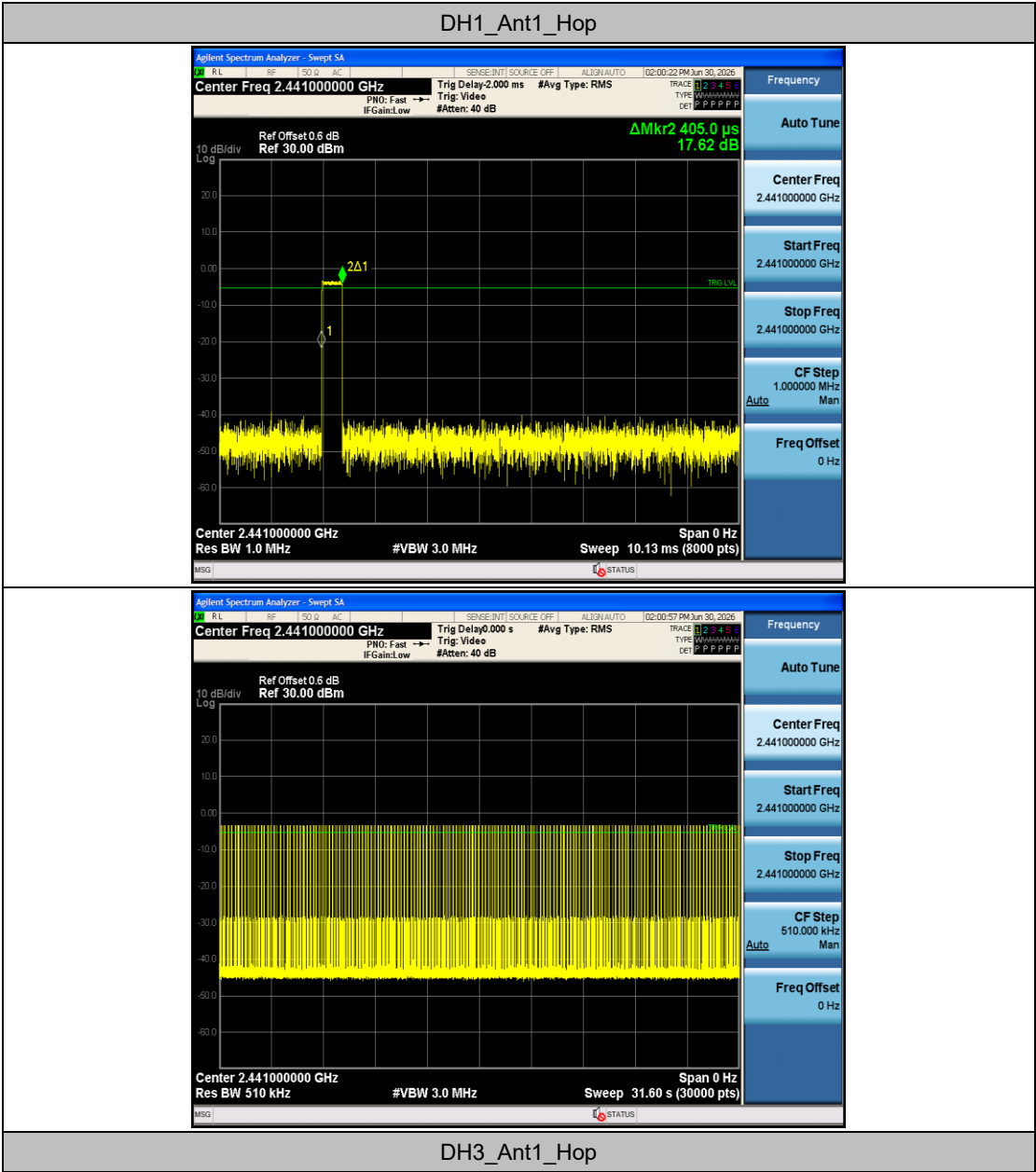


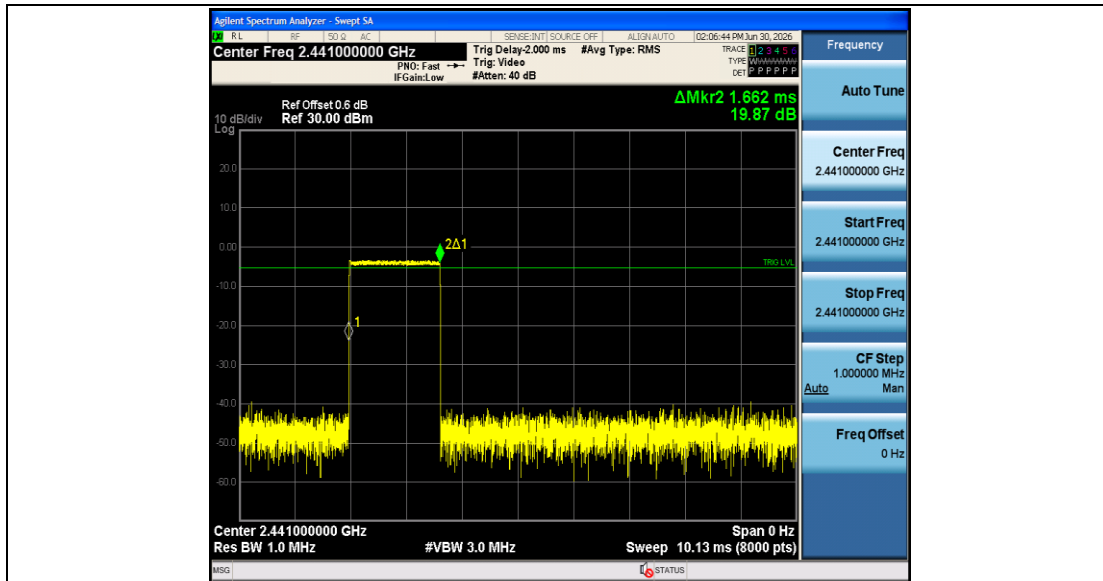
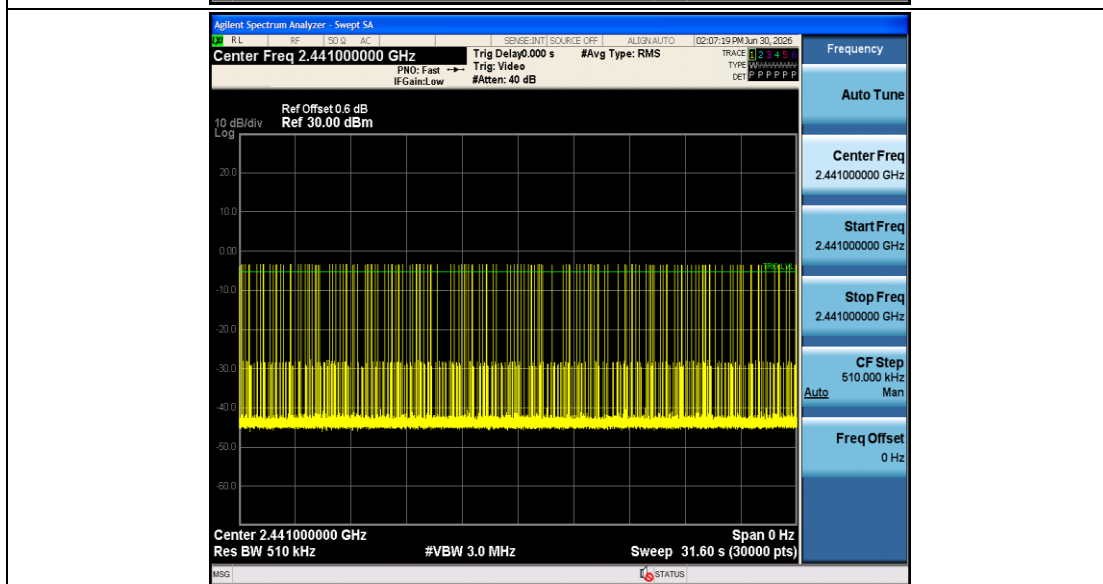
Appendix E: Time of occupancy

Test Result

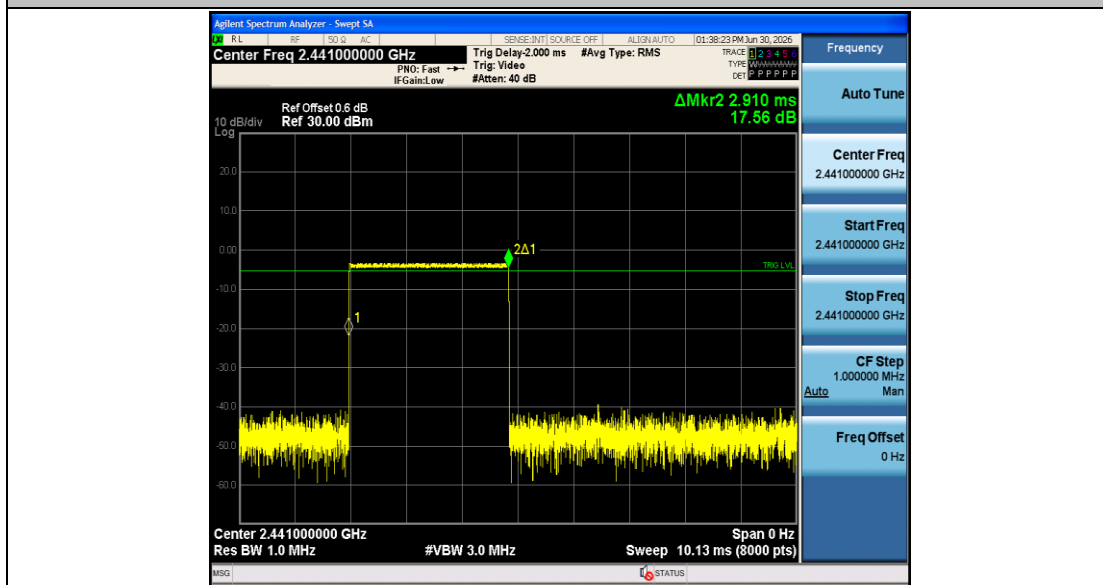
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.405	319	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	158	0.263	≤0.4	PASS
DH5	Ant1	Hop	2.910	96	0.279	≤0.4	PASS
2DH1	Ant1	Hop	0.415	317	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.667	153	0.255	≤0.4	PASS
2DH5	Ant1	Hop	2.916	112	0.327	≤0.4	PASS
3DH1	Ant1	Hop	0.415	315	0.131	≤0.4	PASS
3DH3	Ant1	Hop	1.666	163	0.272	≤0.4	PASS
3DH5	Ant1	Hop	2.916	113	0.33	≤0.4	PASS

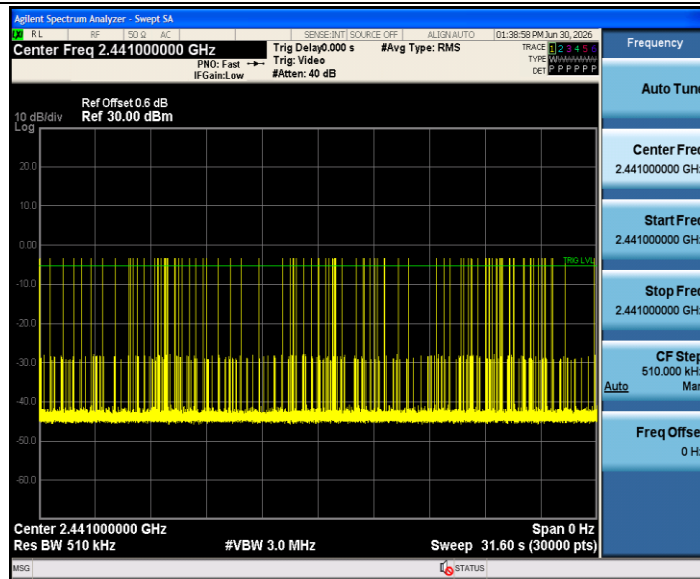
Test Graphs



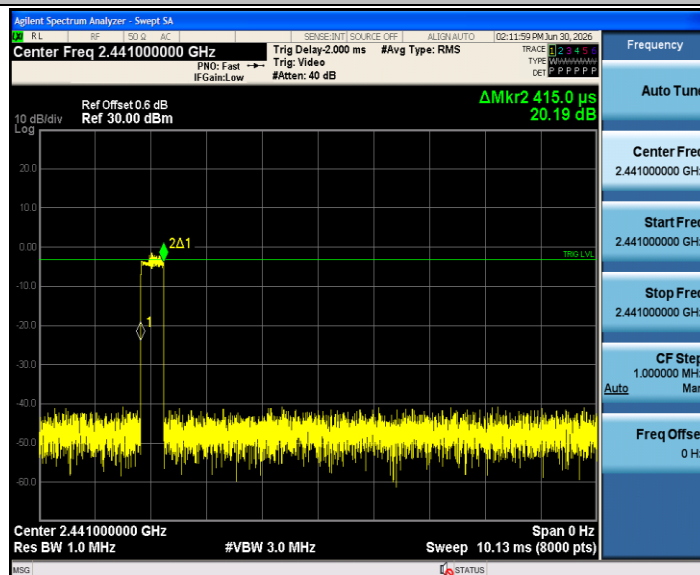
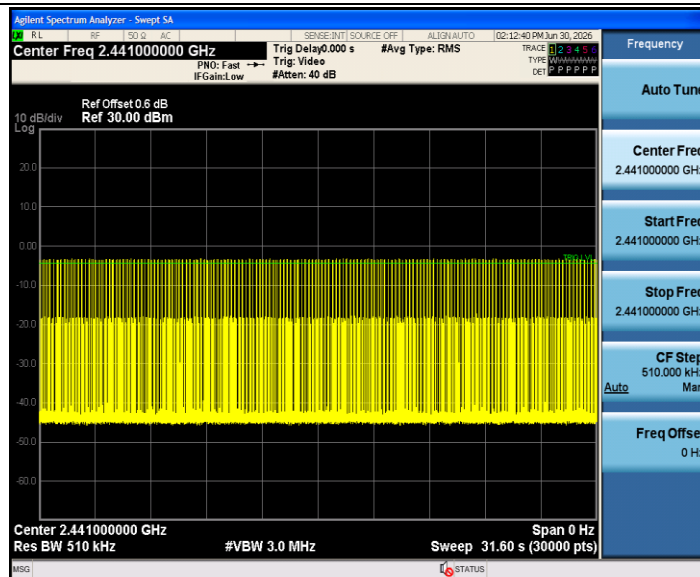


DH5_Ant1_Hop

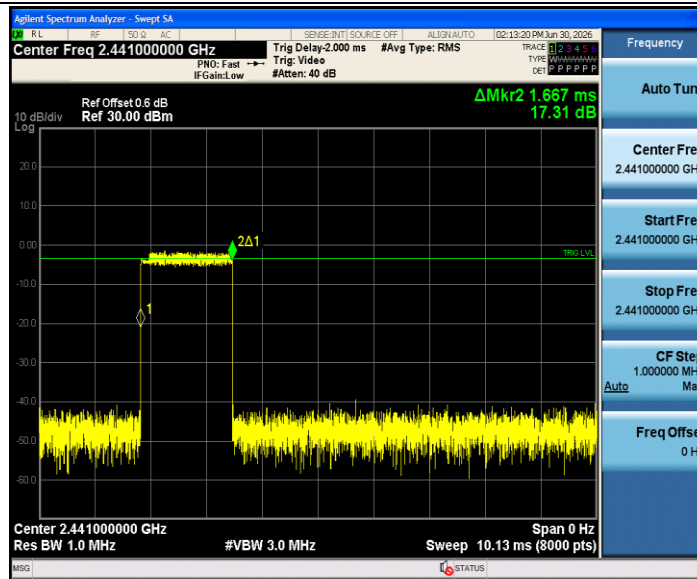
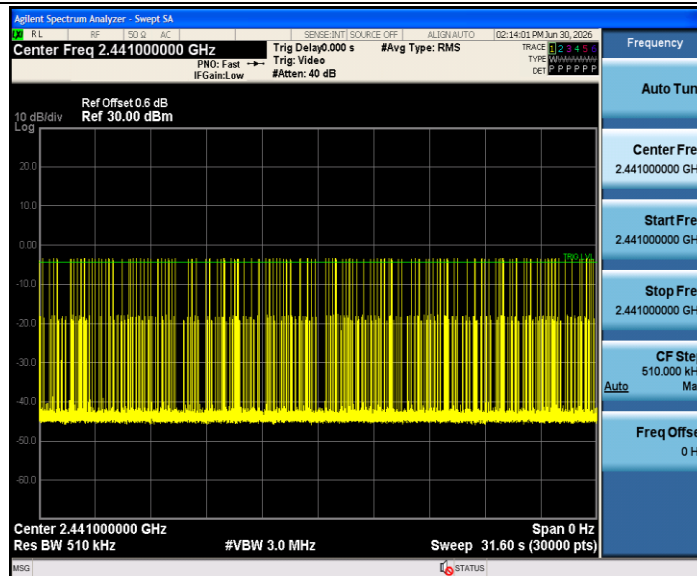




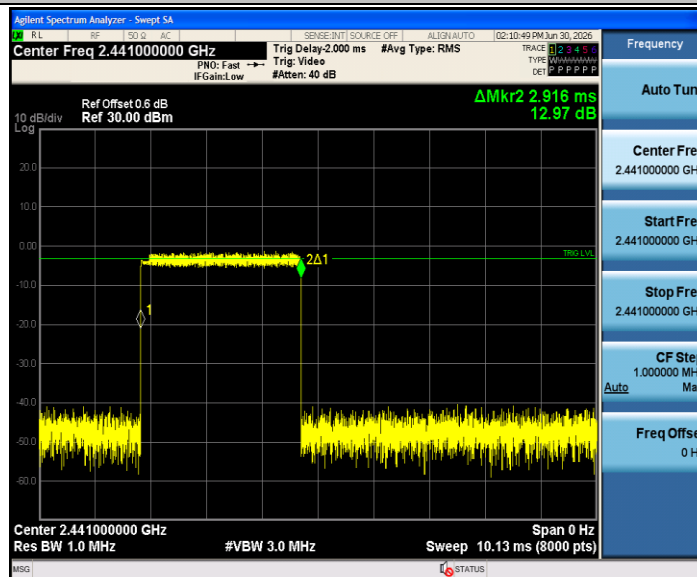
2DH1_Ant1_Hop

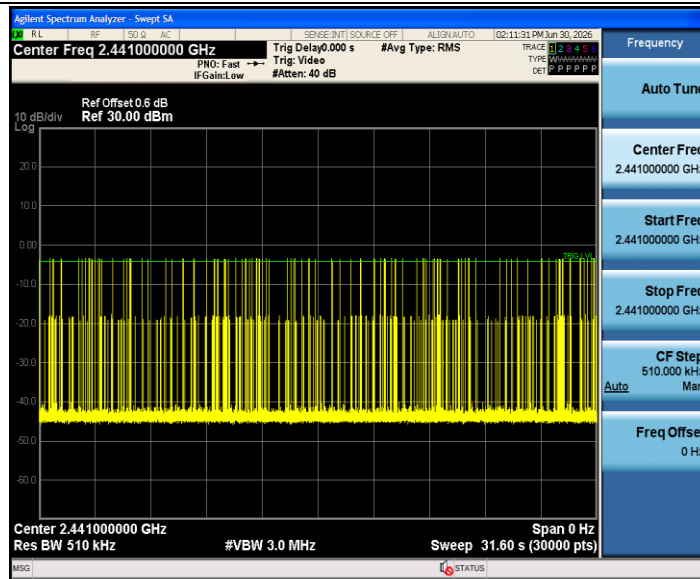


2DH3_Ant1_Hop

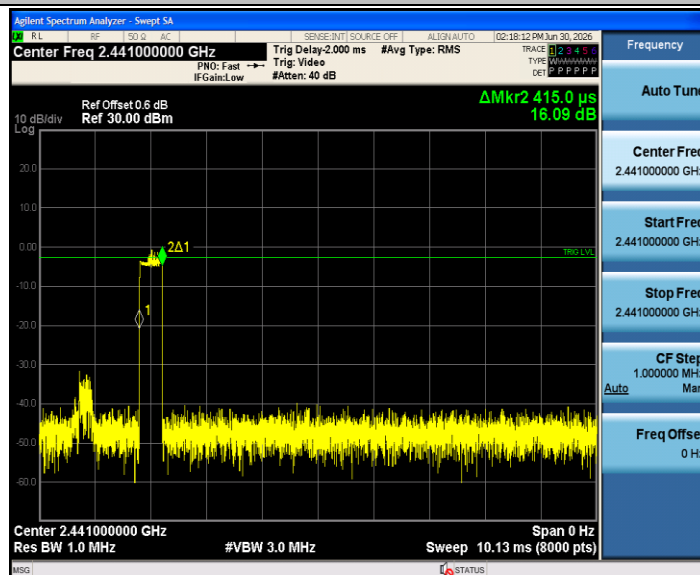
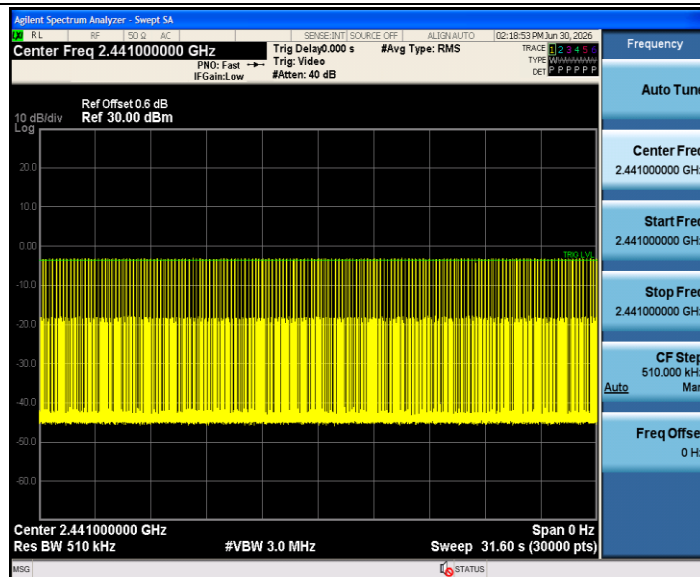


2DH5_Ant1_Hop

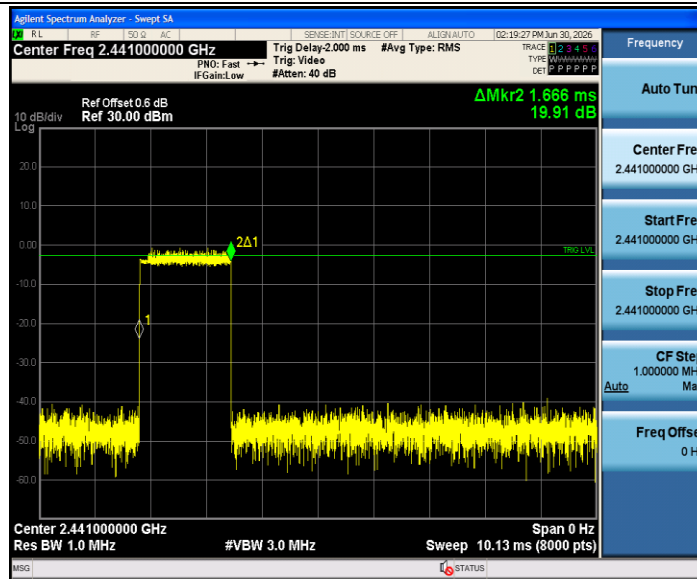
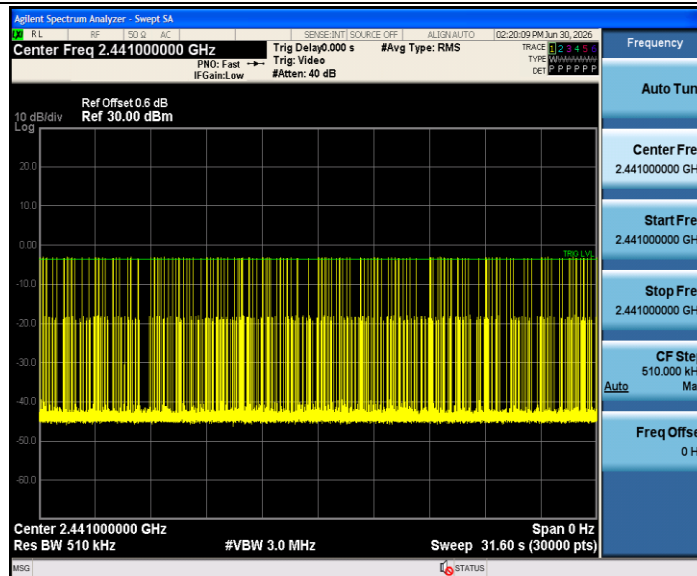




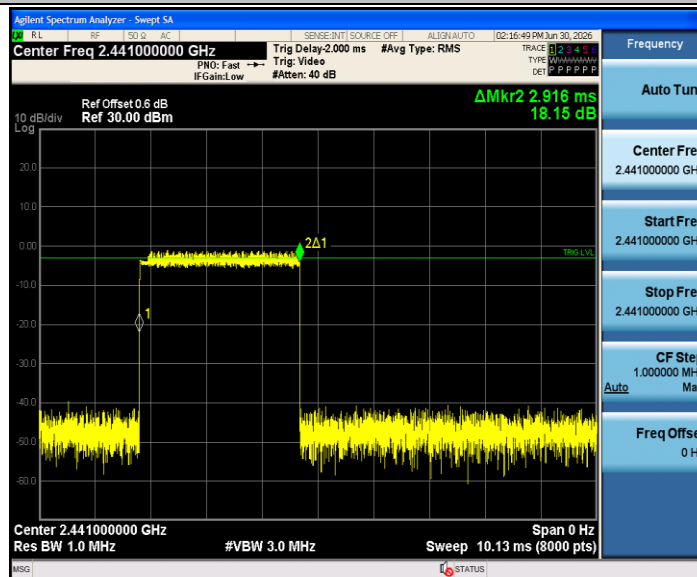
3DH1_Ant1_Hop

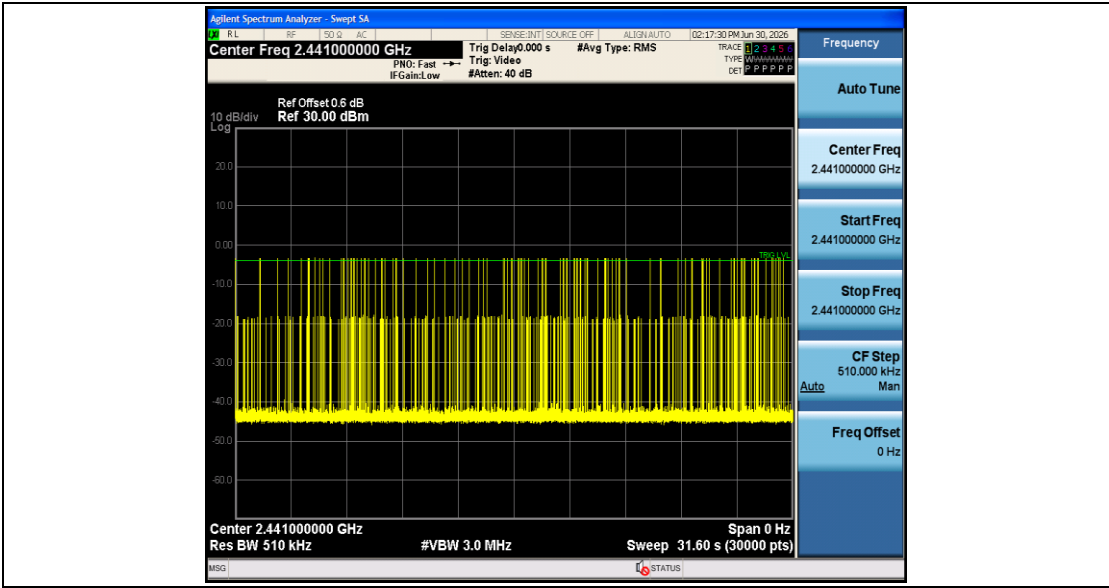


3DH3_Ant1_Hop



3DH5_Ant1_Hop



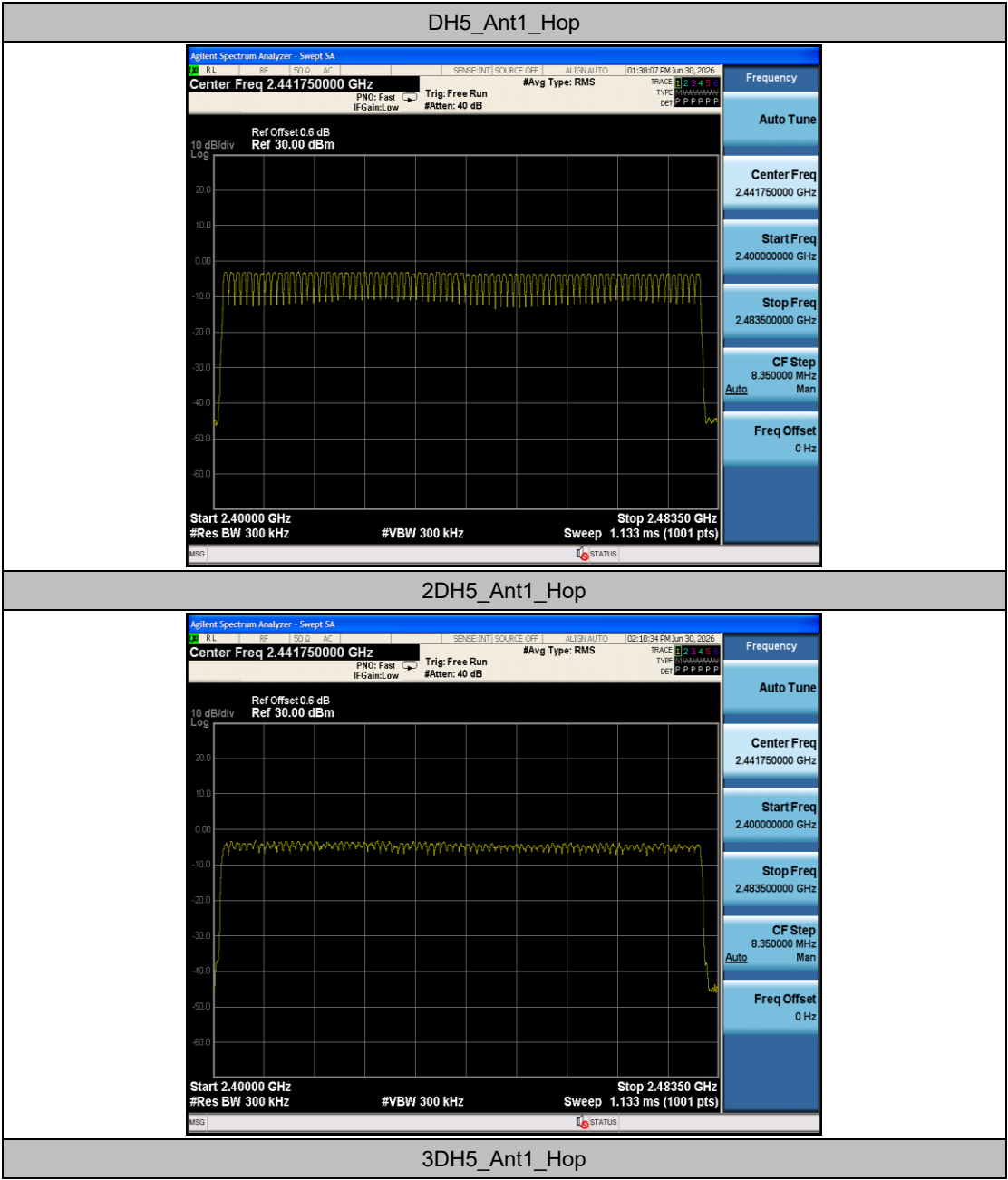


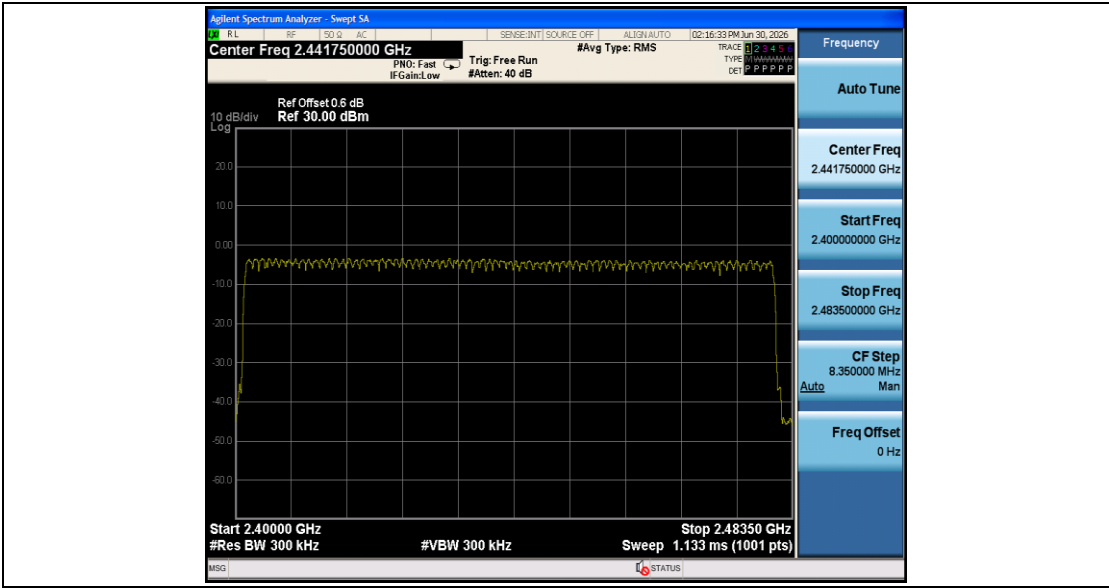
Appendix F: Number of hopping channels

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



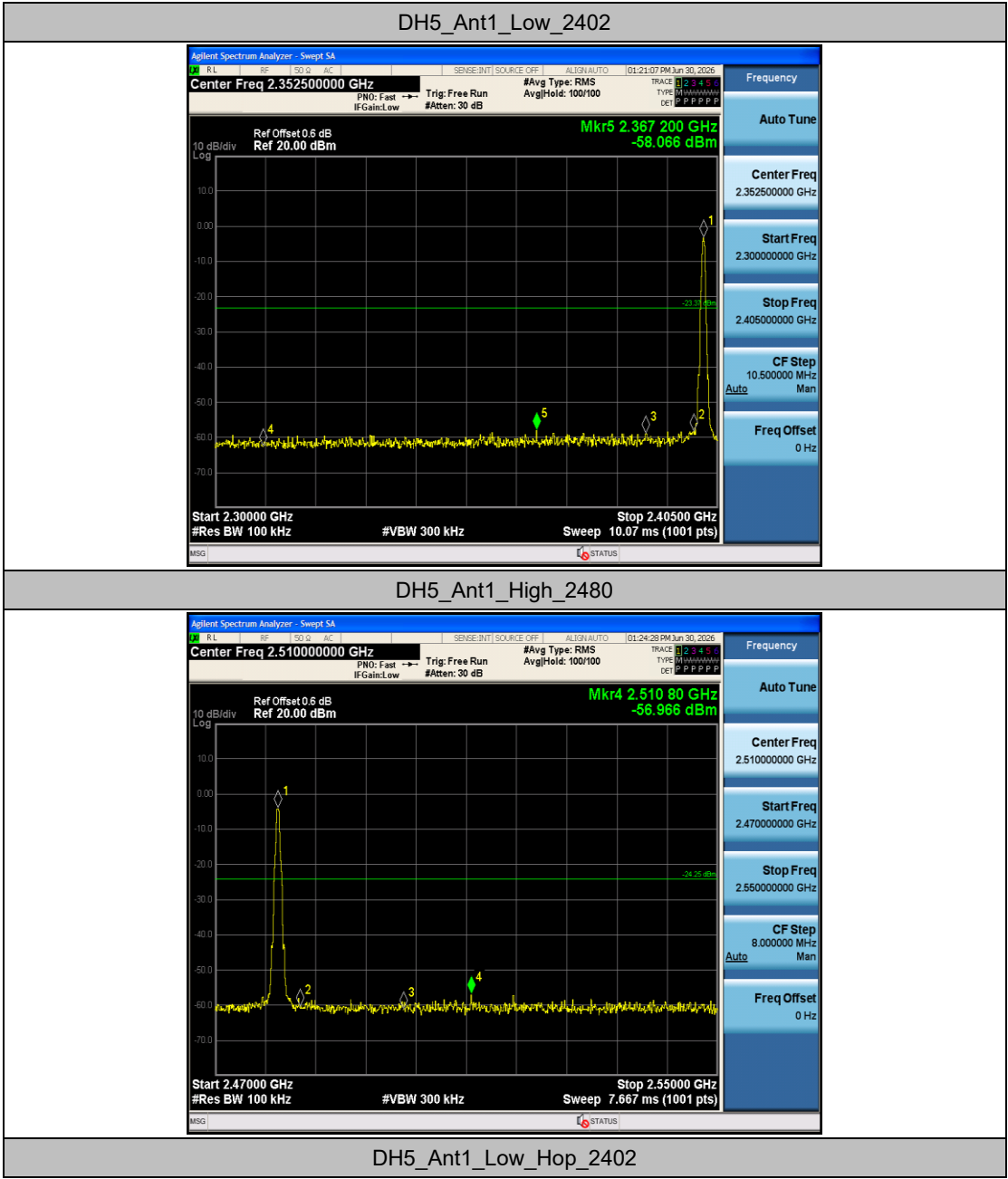


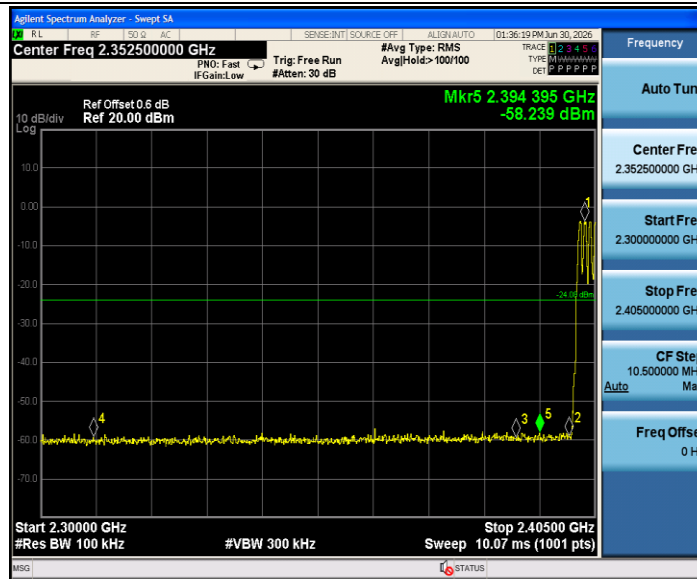
Appendix G: Band edge measurements

Test Result

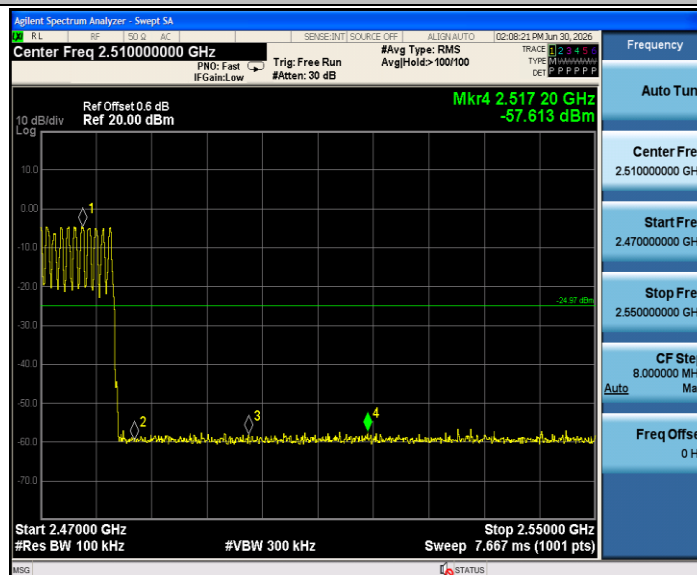
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.37	-58.07	≤ -23.37	PASS
		High	2480	-4.25	-56.97	≤ -24.25	PASS
		Low	Hop_2402	-4.08	-58.24	≤ -24.08	PASS
		High	Hop_2480	-4.97	-57.61	≤ -24.97	PASS
2DH5	Ant1	Low	2402	-5.62	-57.86	≤ -25.62	PASS
		High	2480	-3.71	-57.64	≤ -23.71	PASS
		Low	Hop_2402	-6.23	-56.64	≤ -26.23	PASS
		High	Hop_2480	-5.05	-46.77	≤ -25.05	PASS
3DH5	Ant1	Low	2402	-3.18	-57.58	≤ -23.18	PASS
		High	2480	-5.63	-56.46	≤ -25.63	PASS
		Low	Hop_2402	-3.95	-57.48	≤ -23.95	PASS
		High	Hop_2480	-6.49	-56.28	≤ -26.49	PASS

Test Graphs

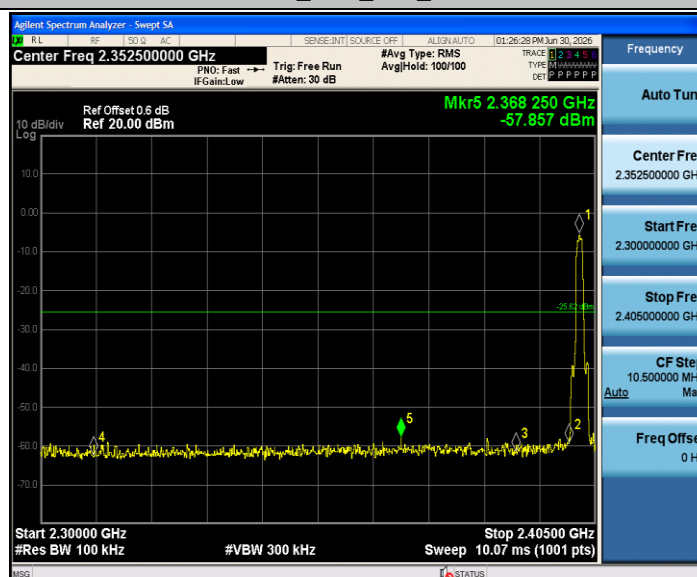




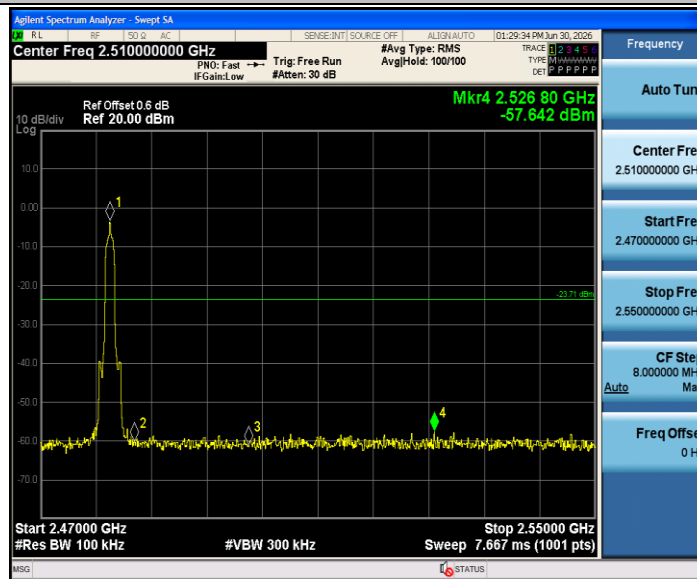
DH5_Ant1_High_Hop_2480



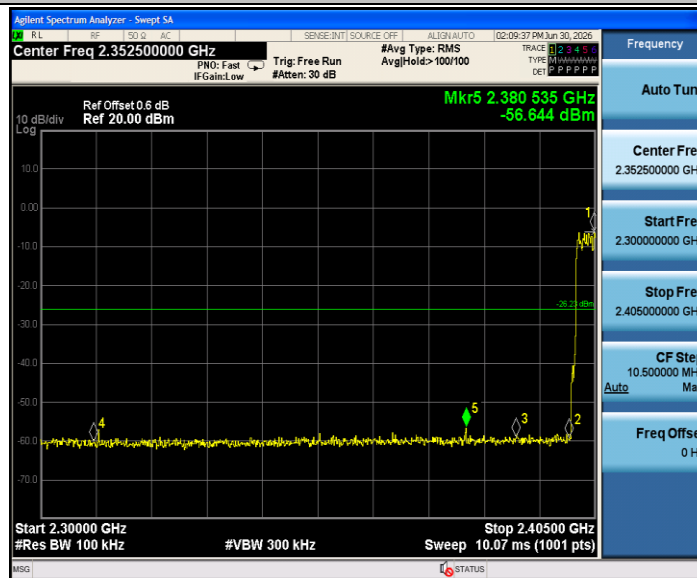
2DH5_Ant1_Low_2402



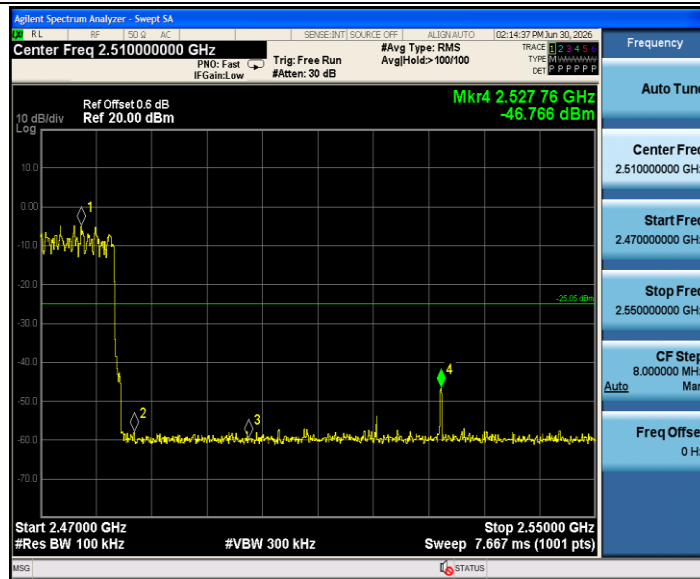
2DH5_Ant1_High_2480



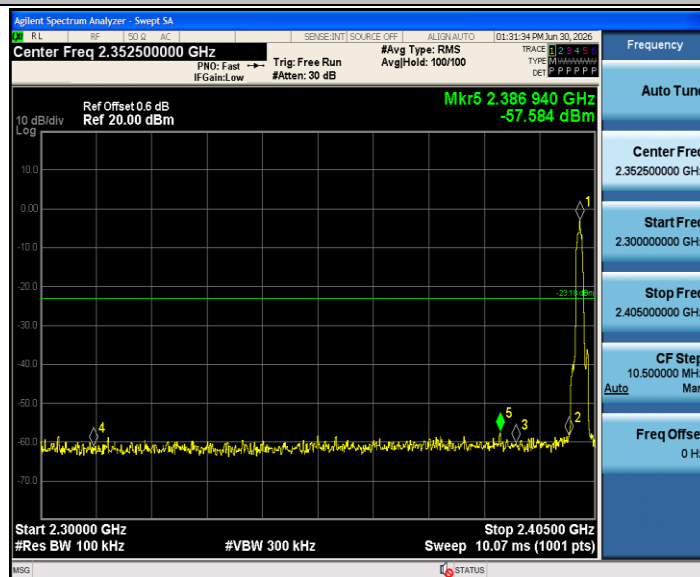
2DH5_Ant1_Low_Hop_2402



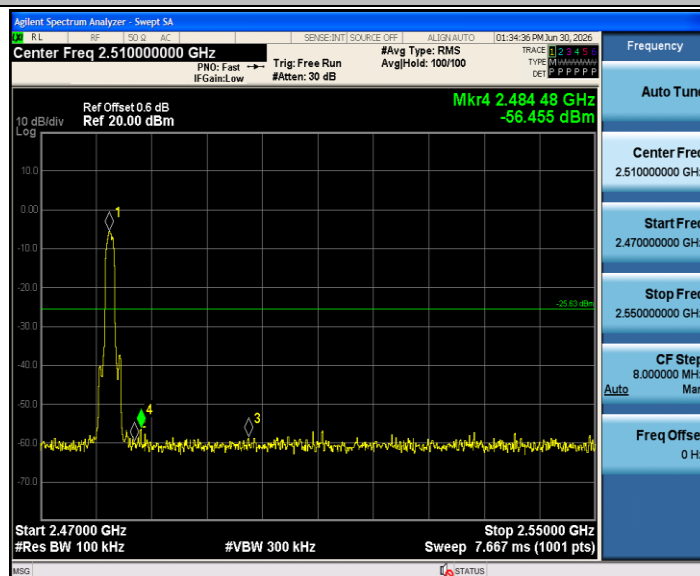
2DH5_Ant1_High_Hop_2480



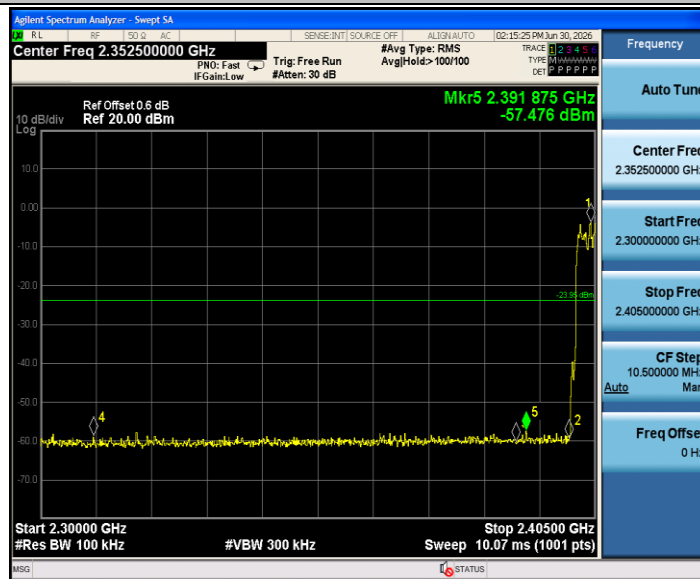
3DH5_Ant1_Low_2402



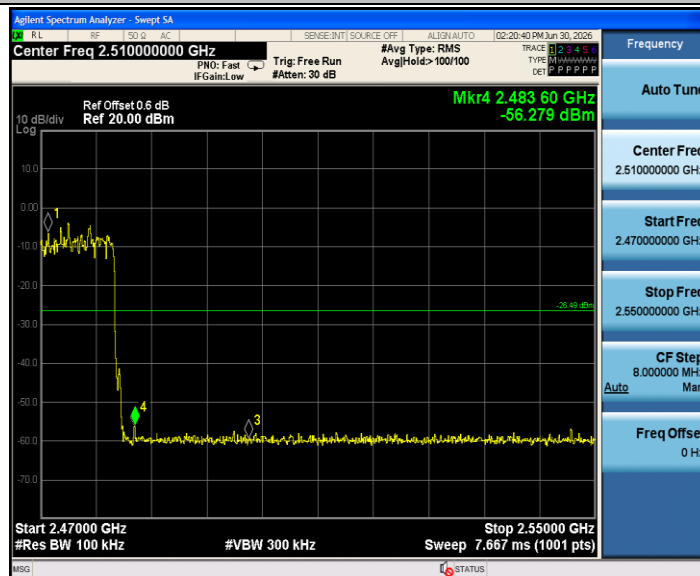
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

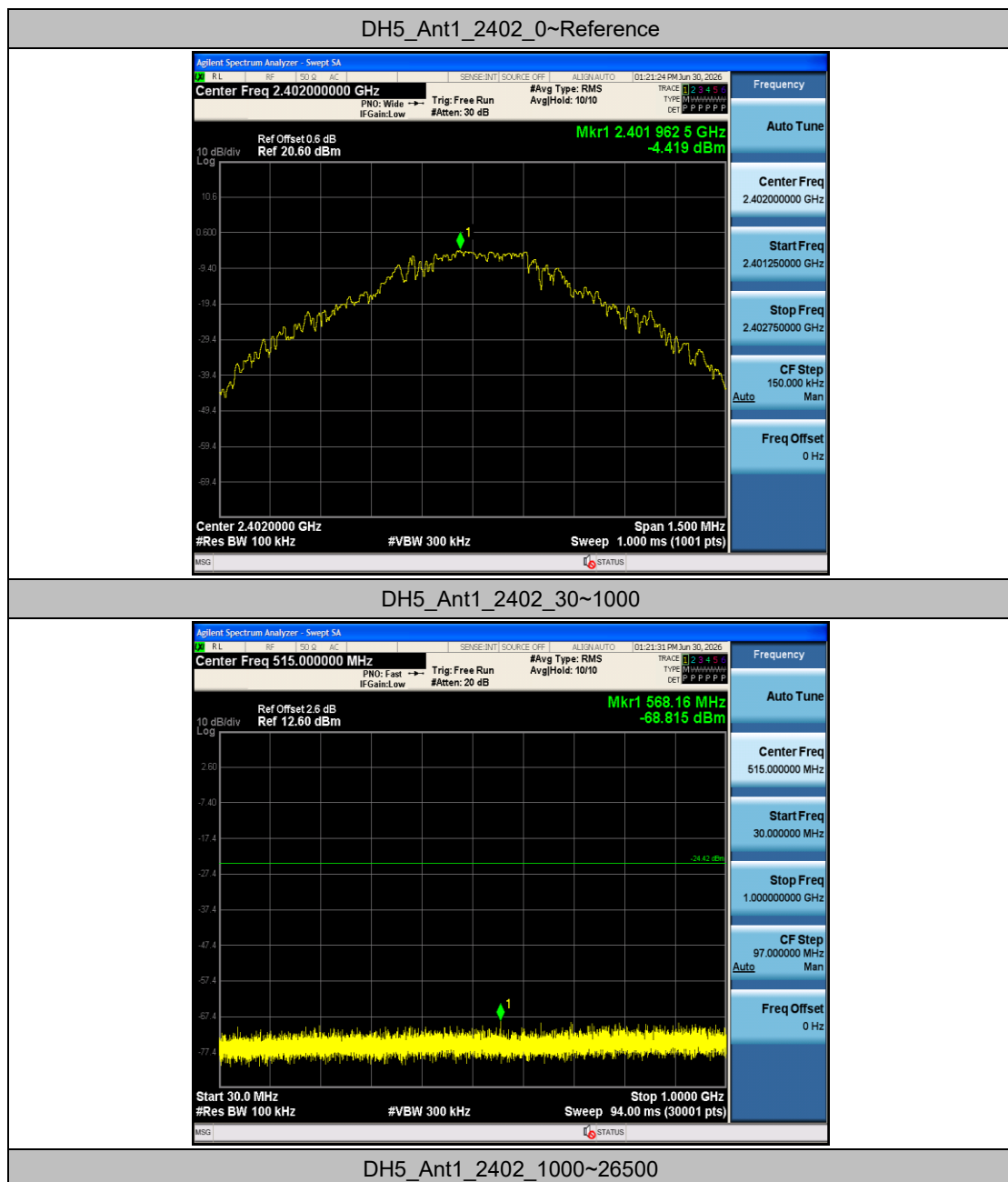


Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-4.42	-4.42	---	PASS
			30~1000	-4.42	-68.82	≤-24.42	PASS
			1000~26500	-4.42	-46.65	≤-24.42	PASS
		2441	Reference	-4.23	-4.23	---	PASS
			30~1000	-4.23	-68.81	≤-24.23	PASS
			1000~26500	-4.23	-45.89	≤-24.23	PASS
		2480	Reference	-4.70	-4.70	---	PASS
			30~1000	-4.70	-68.67	≤-24.7	PASS
			1000~26500	-4.70	-46.97	≤-24.7	PASS
2DH5	Ant1	2402	Reference	-4.84	-4.84	---	PASS
			30~1000	-4.84	-67.04	≤-24.84	PASS
			1000~26500	-4.84	-45.99	≤-24.84	PASS
		2441	Reference	-6.26	-6.26	---	PASS
			30~1000	-6.26	-47.04	≤-26.26	PASS
			1000~26500	-6.26	-46.18	≤-26.26	PASS
		2480	Reference	-5.44	-5.44	---	PASS
			30~1000	-5.44	-69.21	≤-25.44	PASS
			1000~26500	-5.44	-46.84	≤-25.44	PASS
3DH5	Ant1	2402	Reference	-4.59	-4.59	---	PASS
			30~1000	-4.59	-68.78	≤-24.59	PASS
			1000~26500	-4.59	-46.53	≤-24.59	PASS
		2441	Reference	-5.73	-5.73	---	PASS
			30~1000	-5.73	-68.81	≤-25.73	PASS
			1000~26500	-5.73	-46.52	≤-25.73	PASS
		2480	Reference	-6.31	-6.31	---	PASS
			30~1000	-6.31	-68.45	≤-26.31	PASS
			1000~26500	-6.31	-45.7	≤-26.31	PASS

Test Graphs

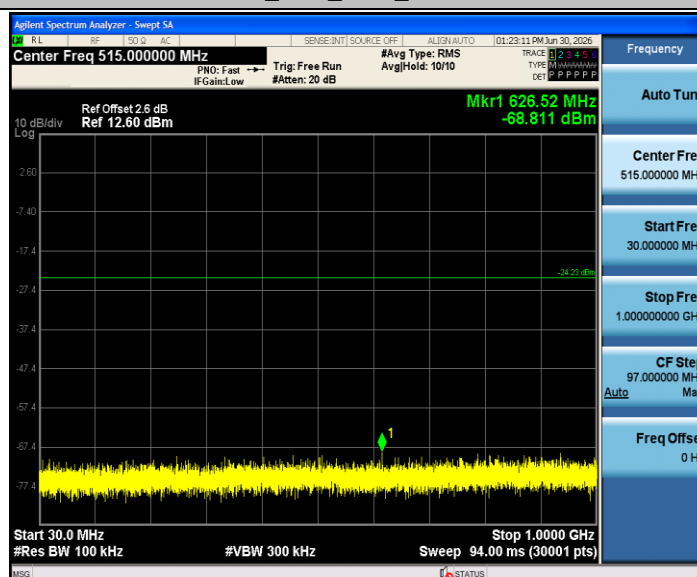




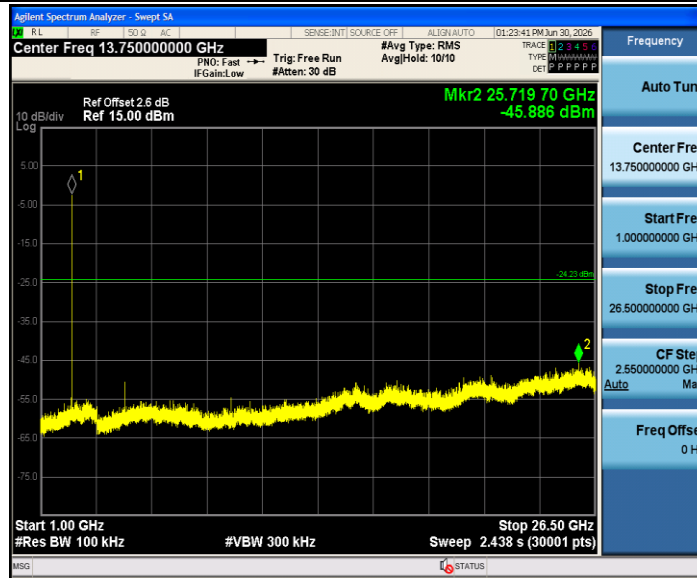
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



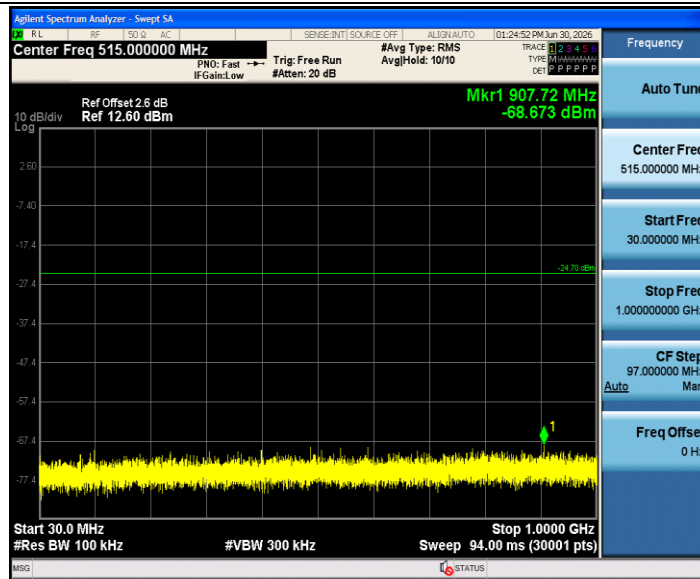
DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



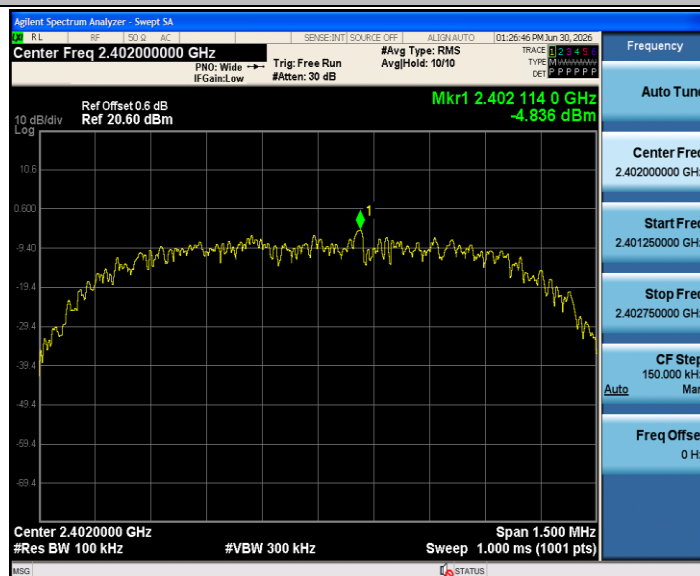
DH5_Ant1_2480_30~1000



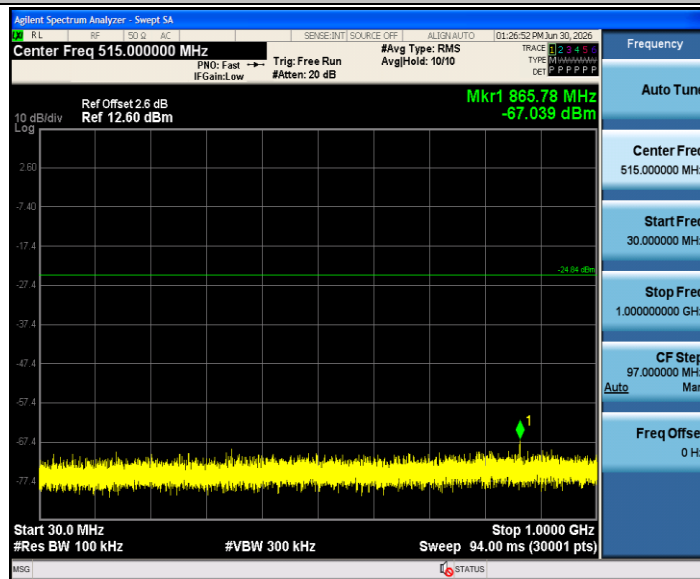
DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference