

FCC Appendix RF Test Data

FCC ID : 2BQZB-G1688-08

Company : Shenzhen GPD Technology Co., Ltd.

EUT : Mini Computer

Model Number : G1688-08

Report No. : CTA25070900201

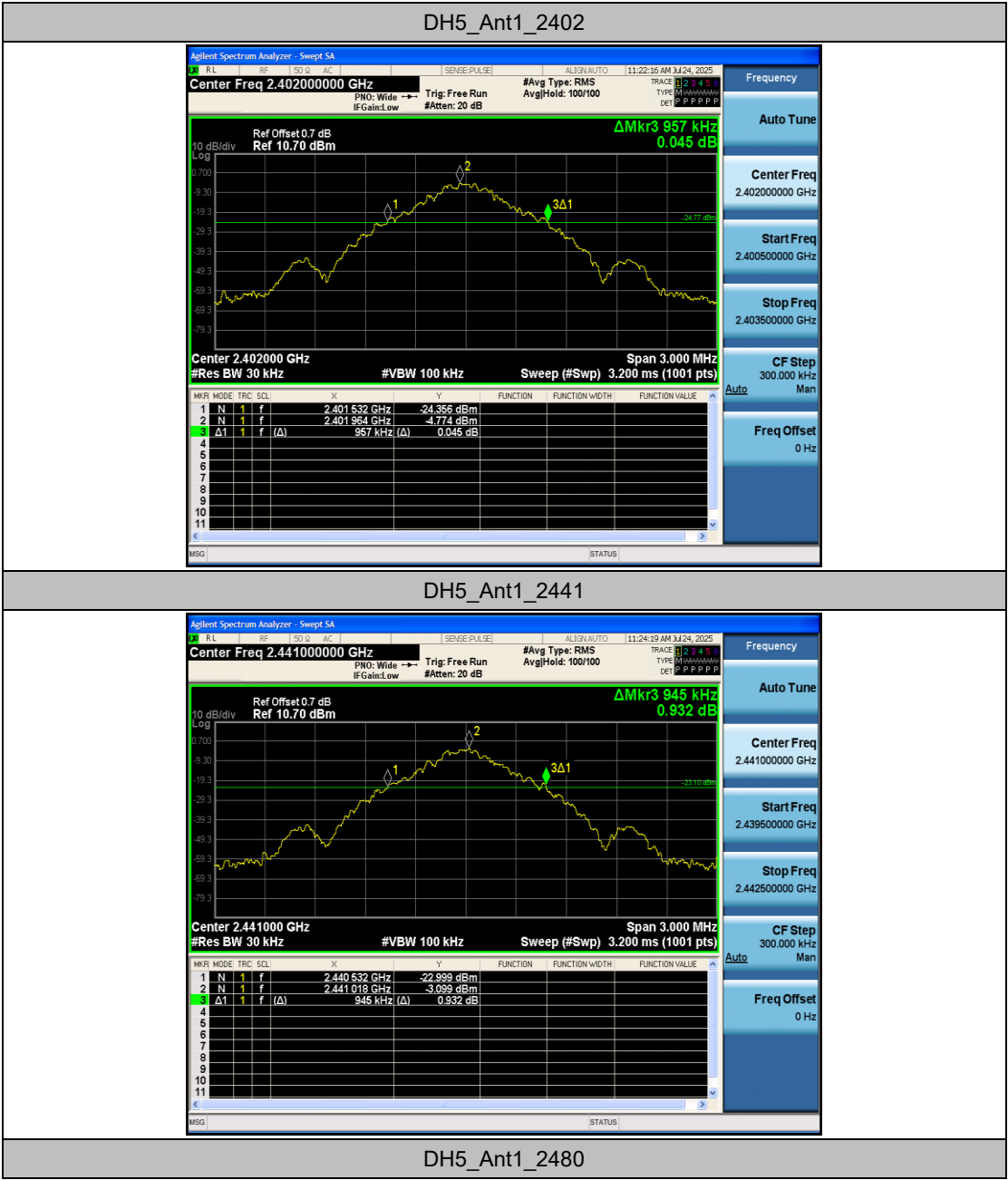
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.957	2401.532	2402.489	---	---
		2441	0.945	2440.532	2441.477	---	---
		2480	0.954	2479.529	2480.483	---	---
2DH5	Ant1	2402	1.440	2401.265	2402.705	---	---
		2441	1.461	2440.262	2441.723	---	---
		2480	1.431	2479.268	2480.699	---	---
3DH5	Ant1	2402	1.479	2401.259	2402.738	---	---
		2441	1.437	2440.277	2441.714	---	---
		2480	1.479	2479.268	2480.747	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



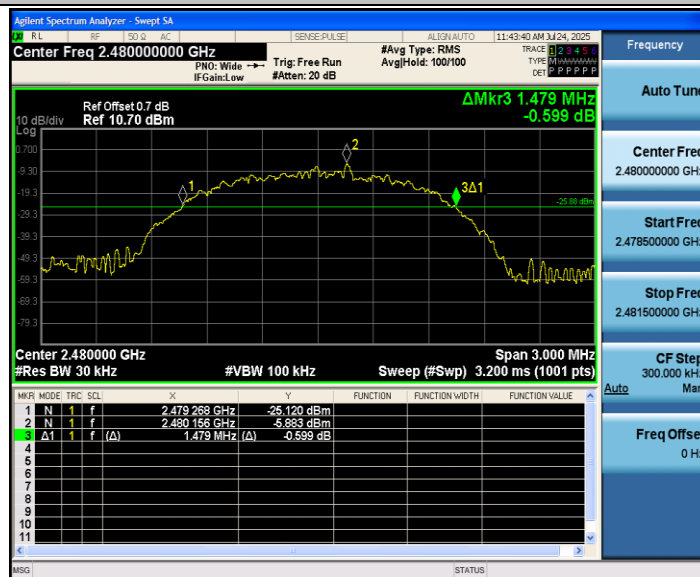
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

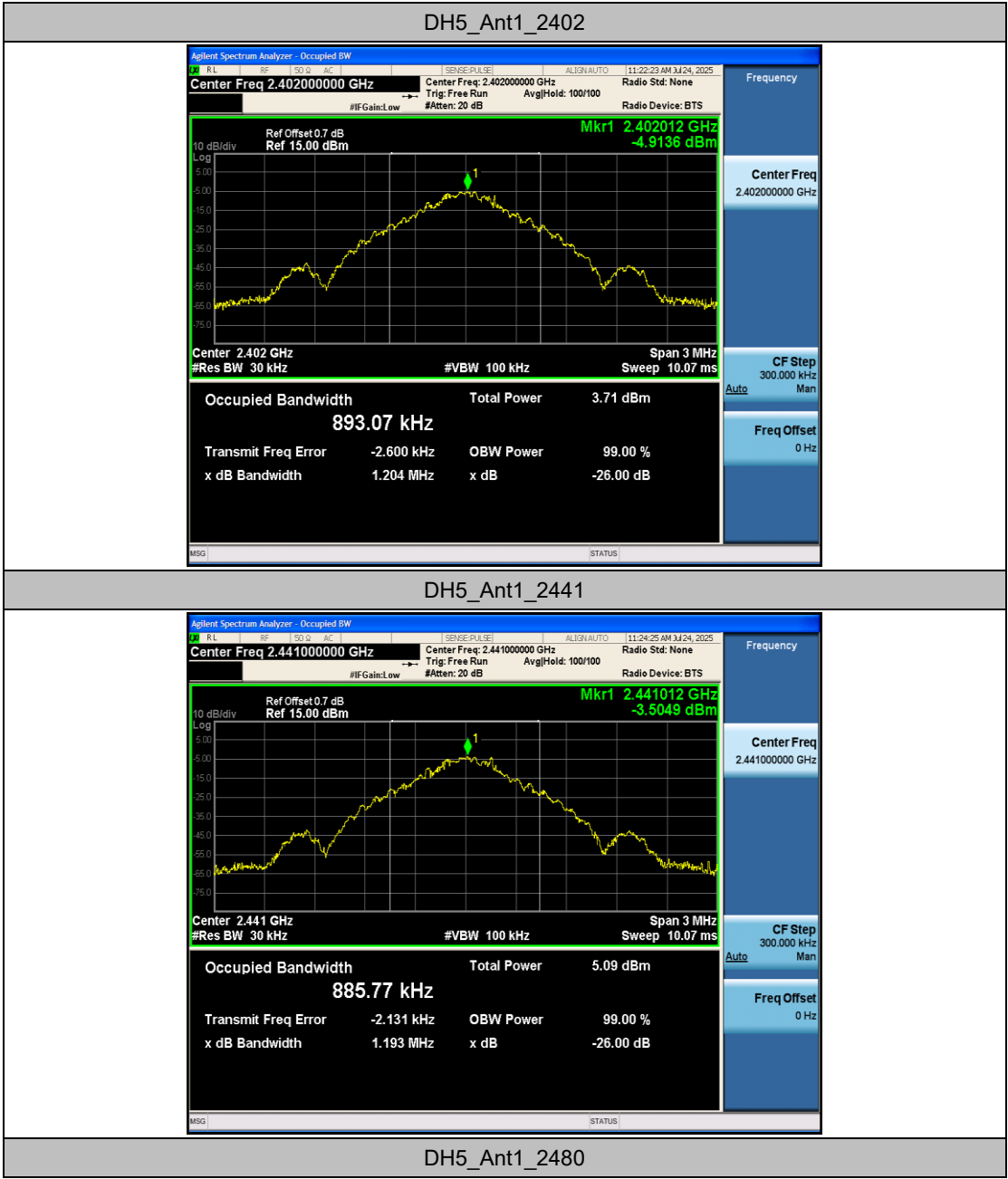


Appendix B: Occupied Channel Bandwidth

Test Result

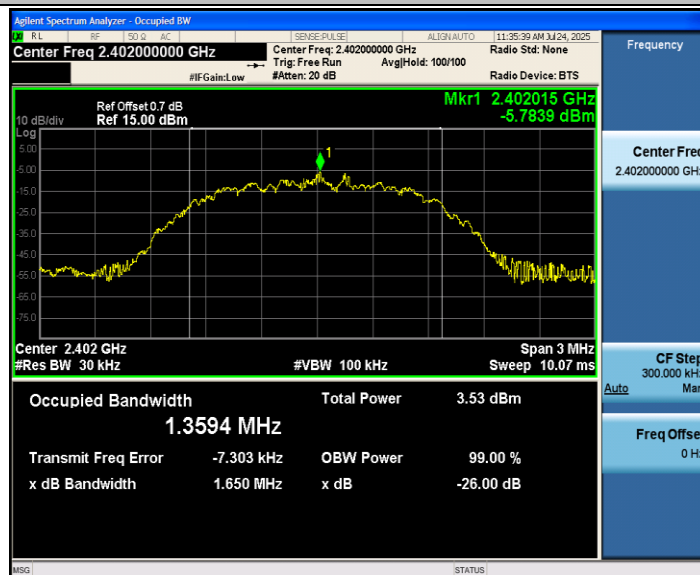
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89307	2401.5509	2402.4439	---	---
		2441	0.88577	2440.5550	2441.4408	---	---
		2480	0.88497	2479.5523	2480.4373	---	---
2DH5	Ant1	2402	1.3594	2401.3130	2402.6724	---	---
		2441	1.3652	2440.3113	2441.6765	---	---
		2480	1.3607	2479.3121	2480.6728	---	---
3DH5	Ant1	2402	1.3659	2401.3138	2402.6797	---	---
		2441	1.3619	2440.3191	2441.6810	---	---
		2480	1.3693	2479.3119	2480.6812	---	---

Test Graphs

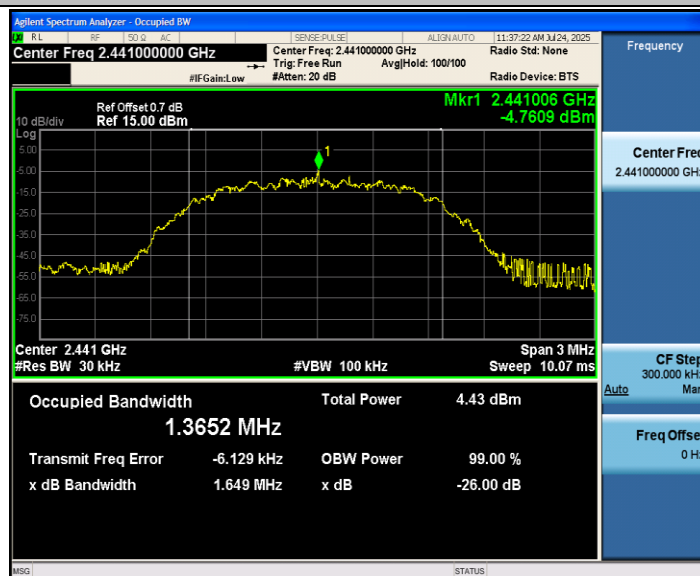




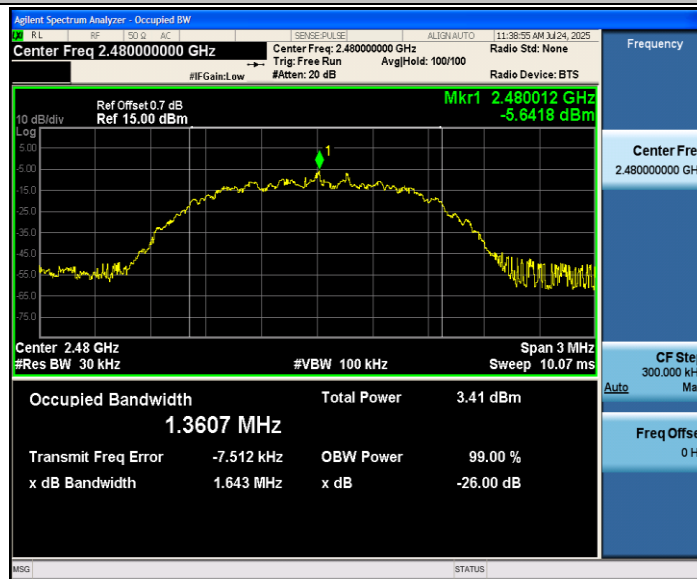
2DH5_Ant1_2402



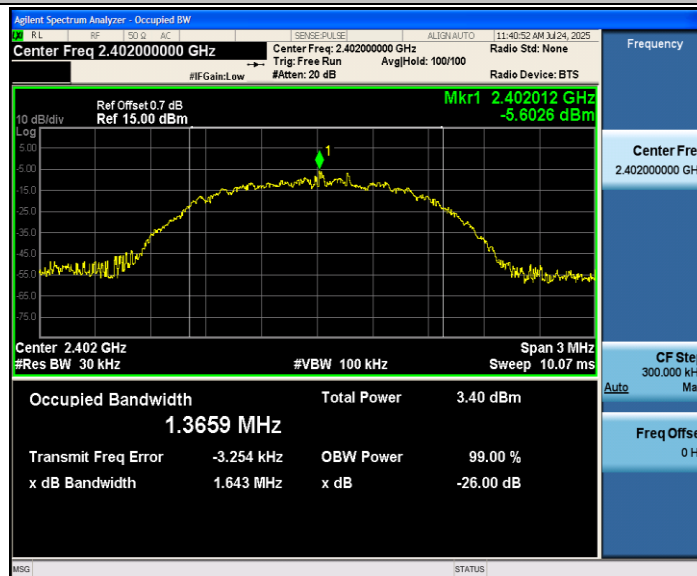
2DH5_Ant1_2441



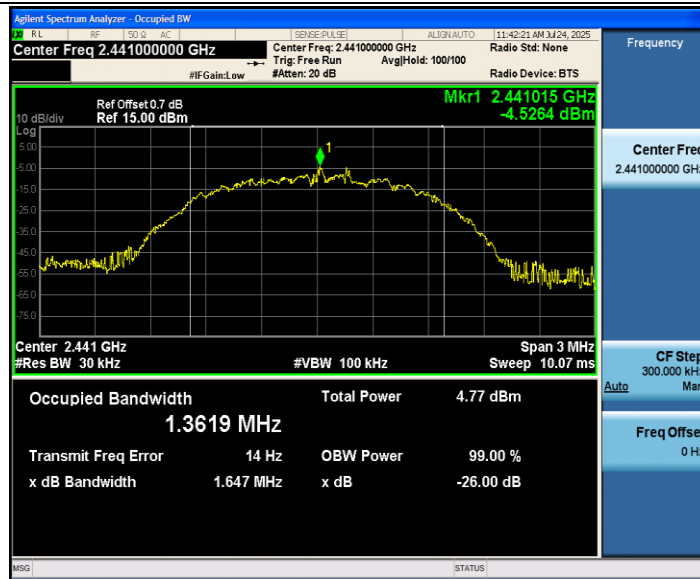
2DH5_Ant1_2480



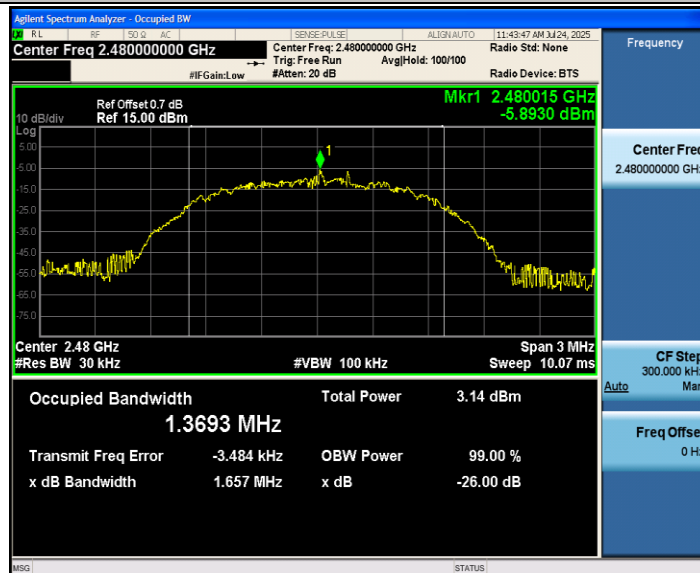
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

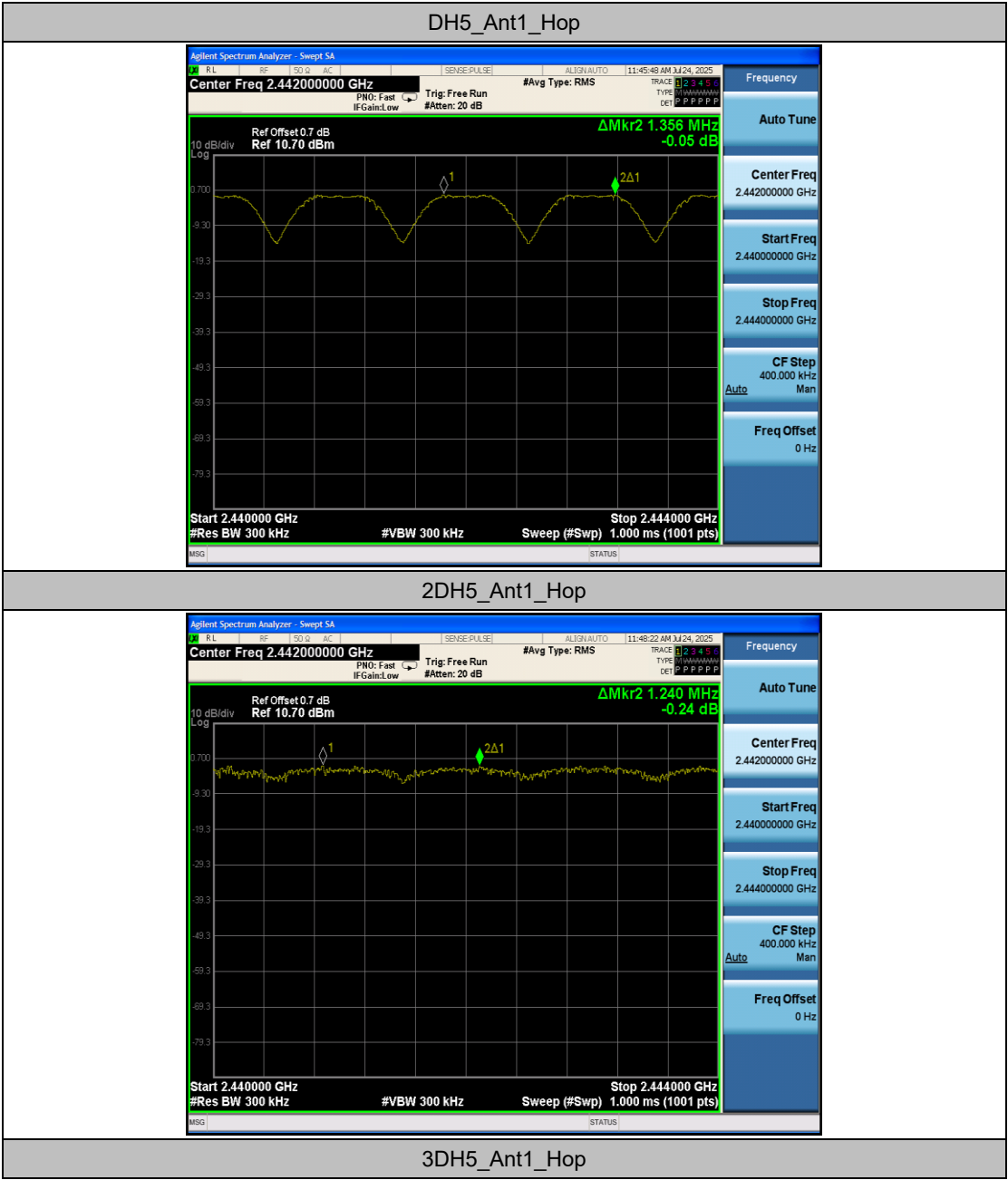
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.02	≤20.97	PASS
		2441	-0.90	≤20.97	PASS
		2480	-2.02	≤20.97	PASS
2DH5	Ant1	2402	-0.60	≤20.97	PASS
		2441	0.39	≤20.97	PASS
		2480	-1.30	≤20.97	PASS
3DH5	Ant1	2402	-0.34	≤20.97	PASS
		2441	0.20	≤20.97	PASS
		2480	-0.71	≤20.97	PASS

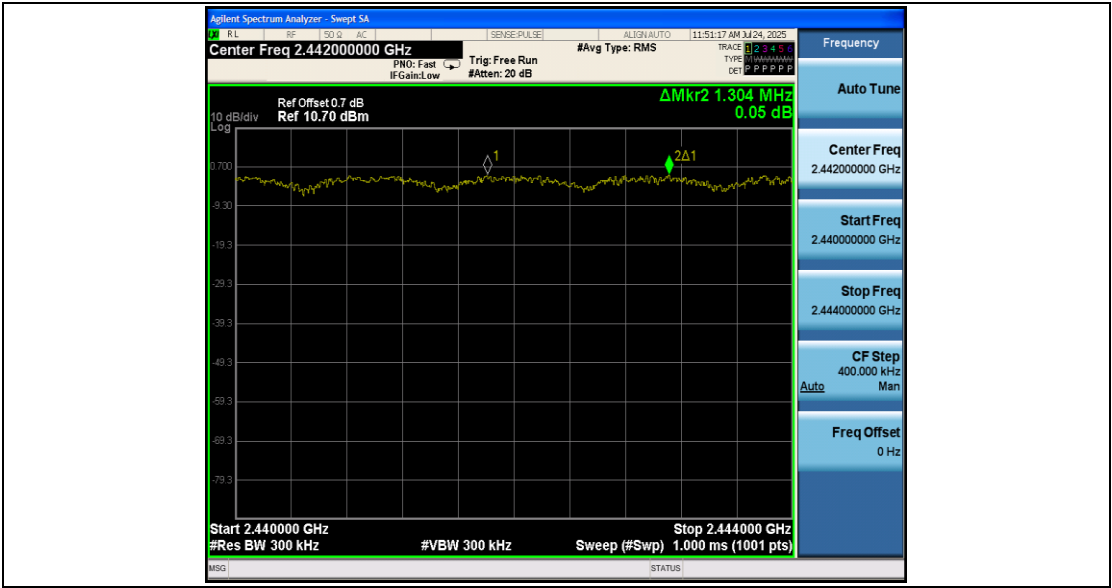
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.356	≥ 0.957	PASS
2DH5	Ant1	Hop	1.24	≥ 0.974	PASS
3DH5	Ant1	Hop	1.304	≥ 0.986	PASS

Test Graphs



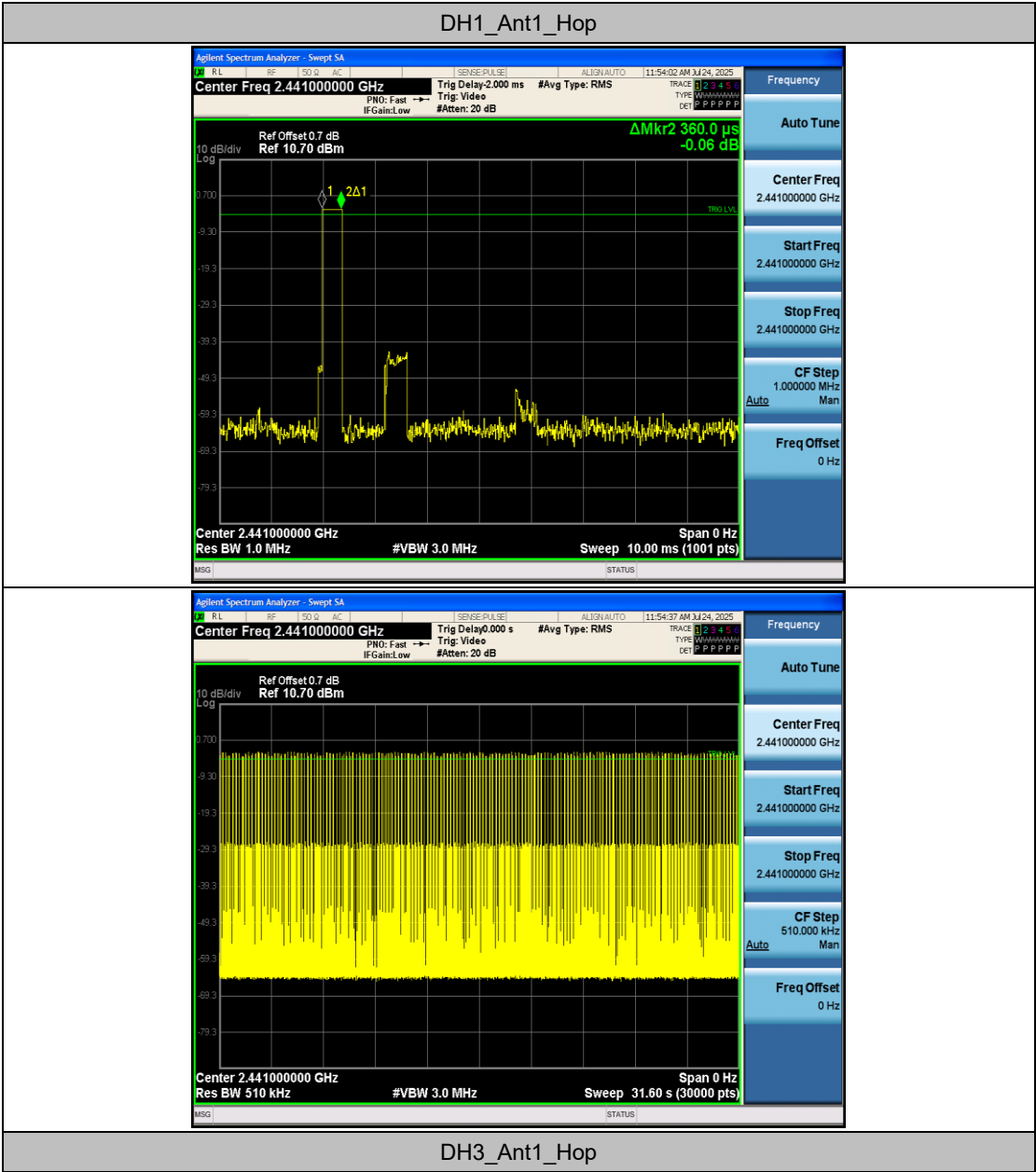


Appendix E: Time of occupancy

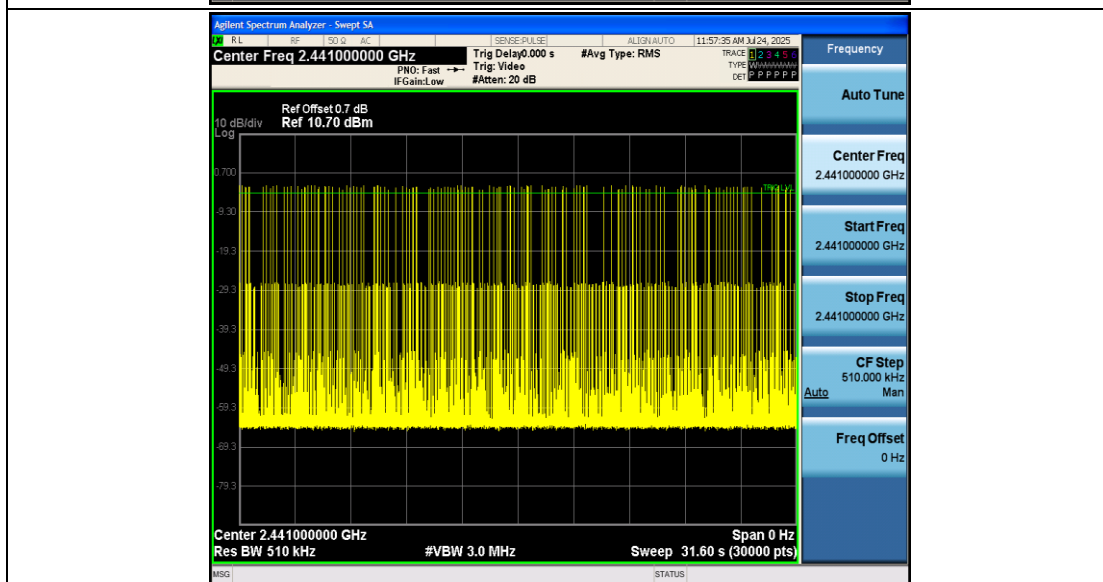
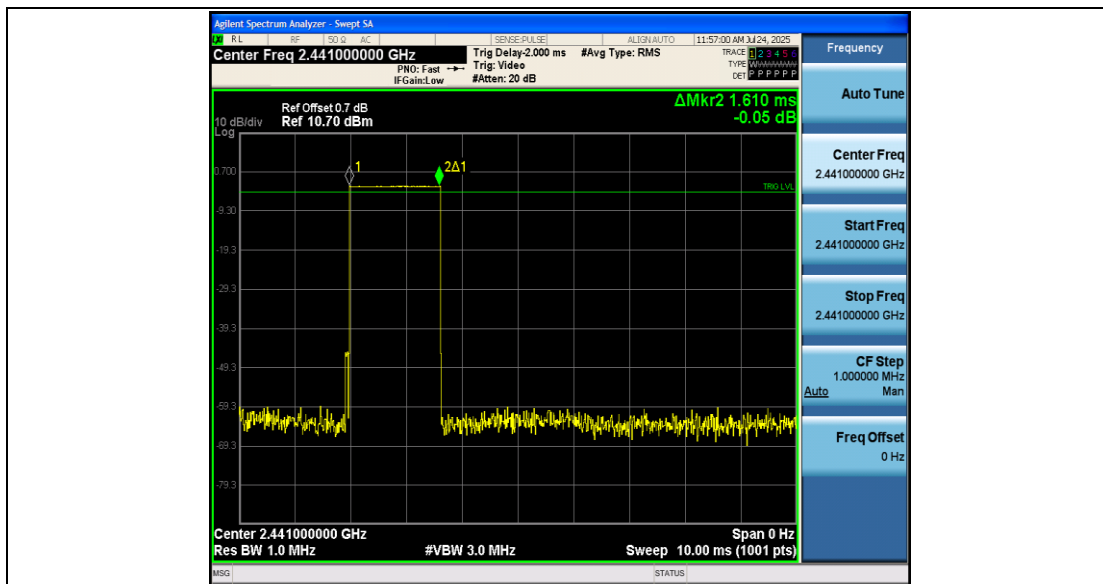
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.360	317	0.114	≤0.4	PASS
DH3	Ant1	Hop	1.610	153	0.246	≤0.4	PASS
DH5	Ant1	Hop	2.860	110	0.315	≤0.4	PASS
2DH1	Ant1	Hop	0.360	318	0.114	≤0.4	PASS
2DH3	Ant1	Hop	1.620	164	0.266	≤0.4	PASS
2DH5	Ant1	Hop	2.870	113	0.324	≤0.4	PASS
3DH1	Ant1	Hop	0.360	318	0.114	≤0.4	PASS
3DH3	Ant1	Hop	1.610	155	0.25	≤0.4	PASS
3DH5	Ant1	Hop	2.870	109	0.313	≤0.4	PASS

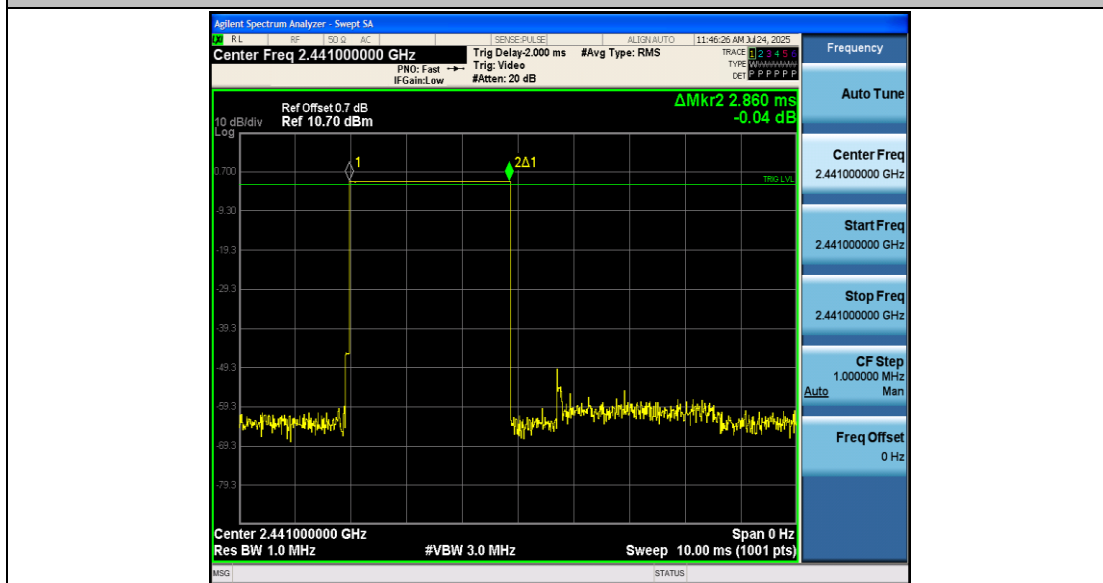
Test Graphs

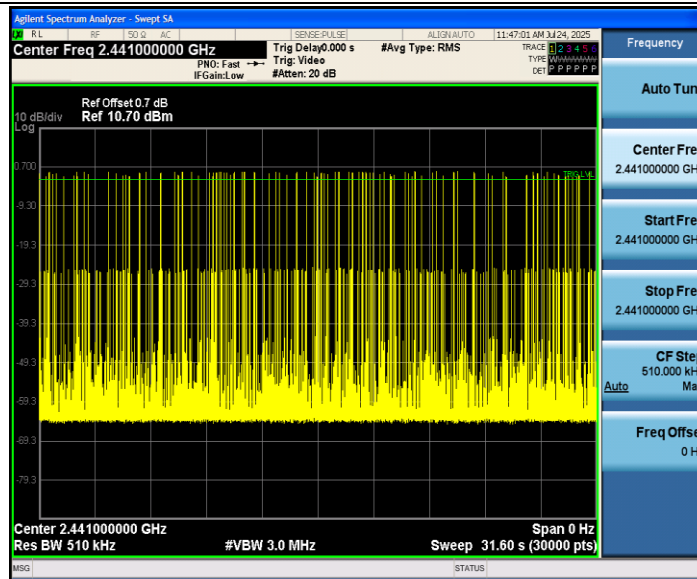


DH3_Ant1_Hop

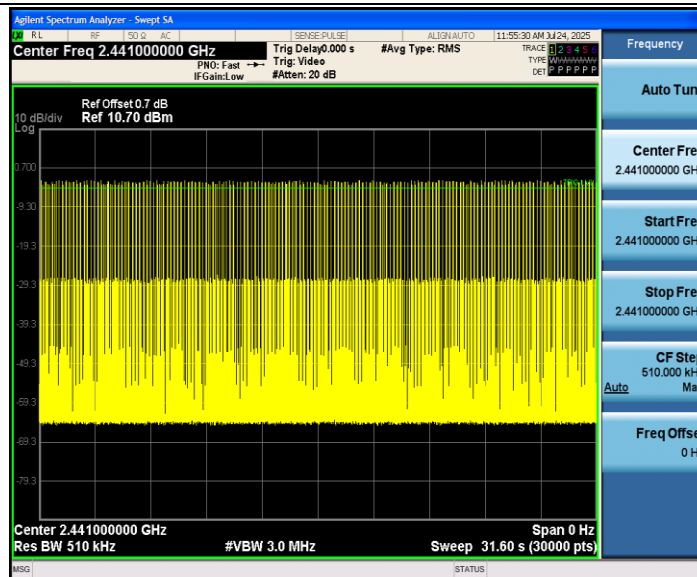
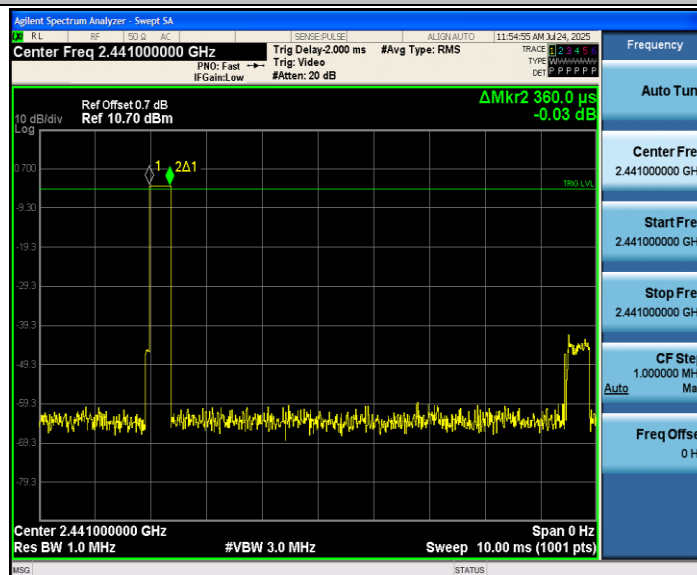


DH5_Ant1_Hop

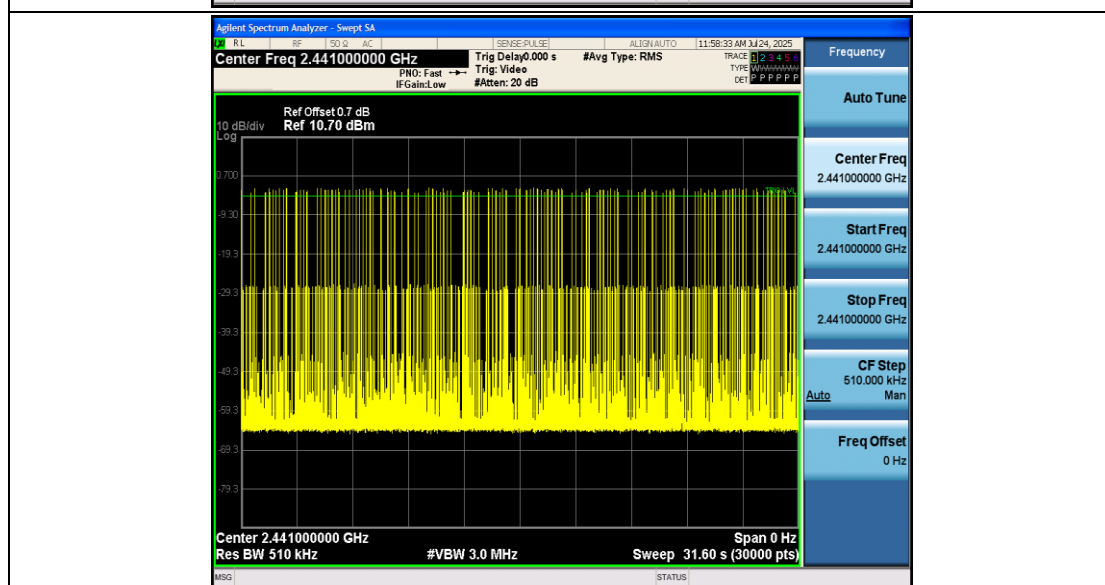
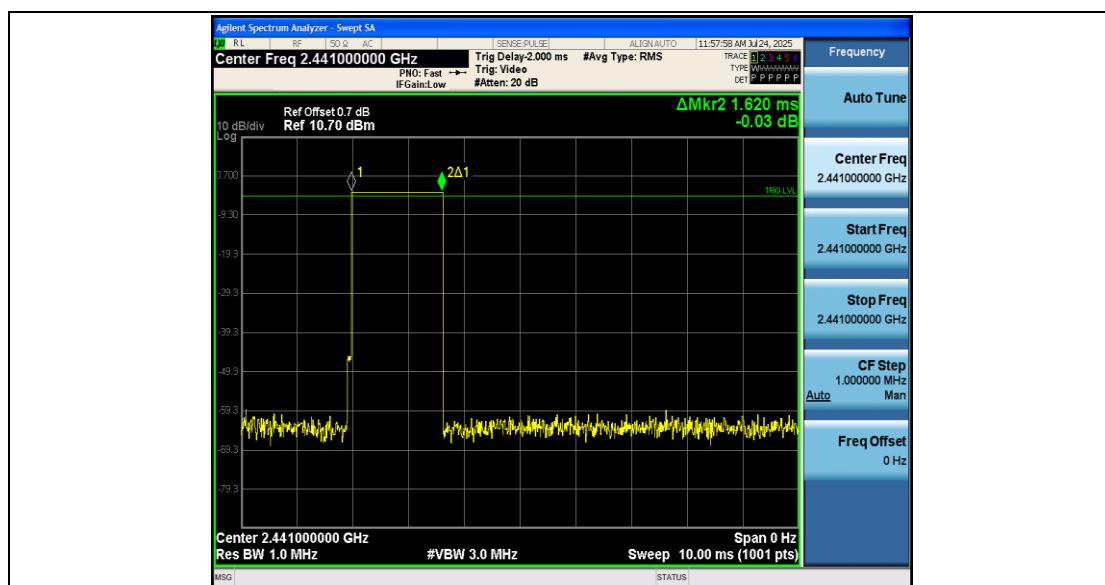




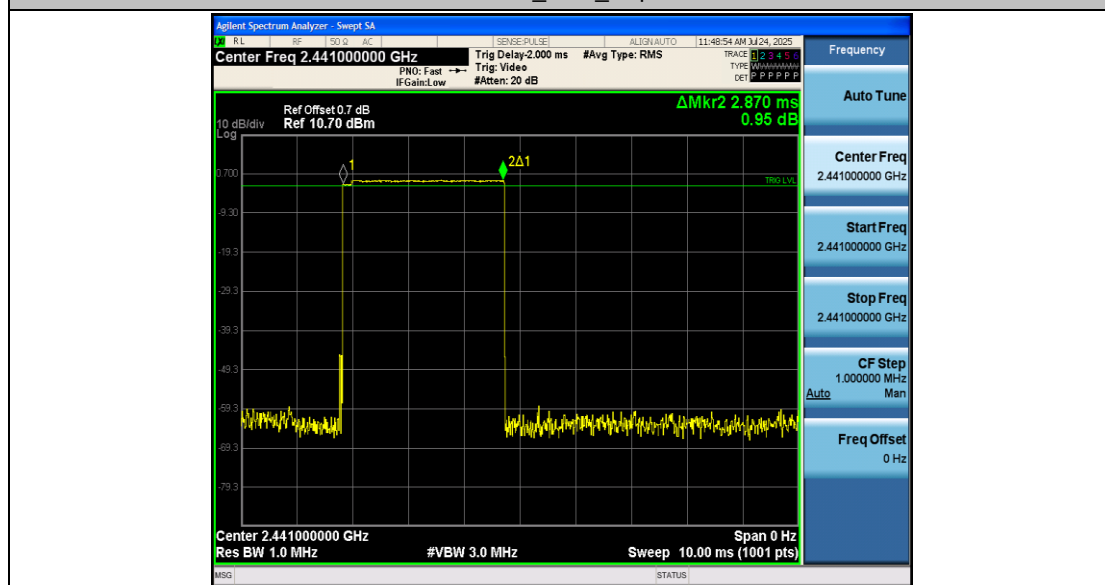
2DH1_Ant1_Hop

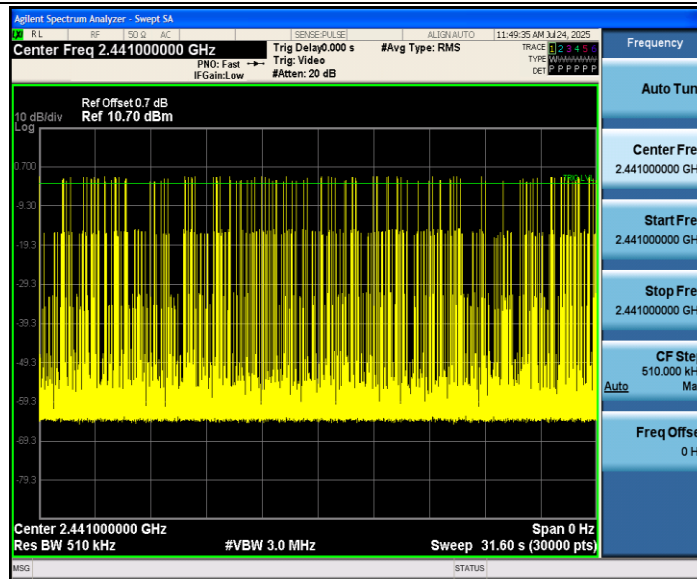


2DH3_Ant1_Hop

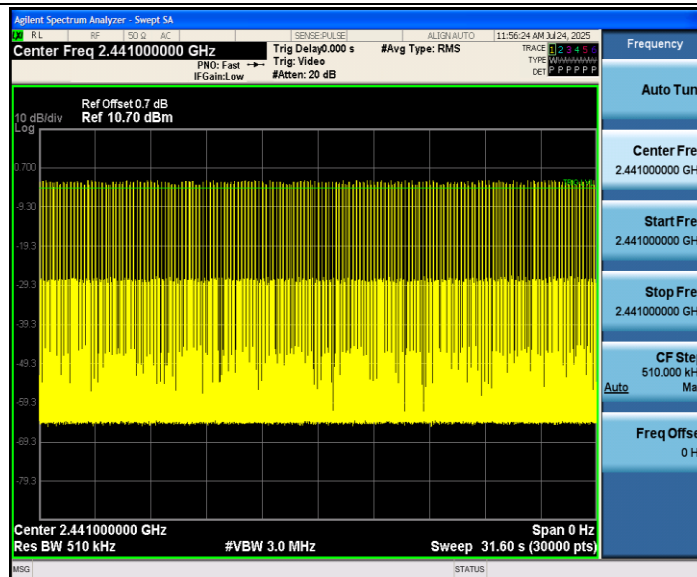
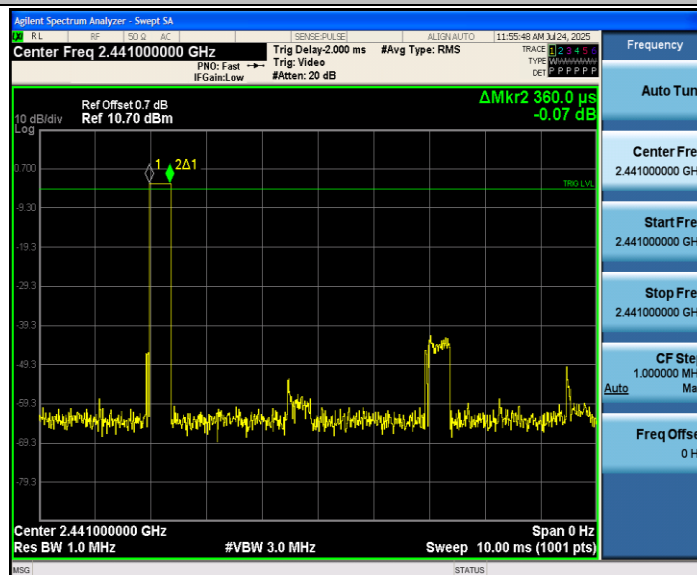


2DH5_Ant1_Hop

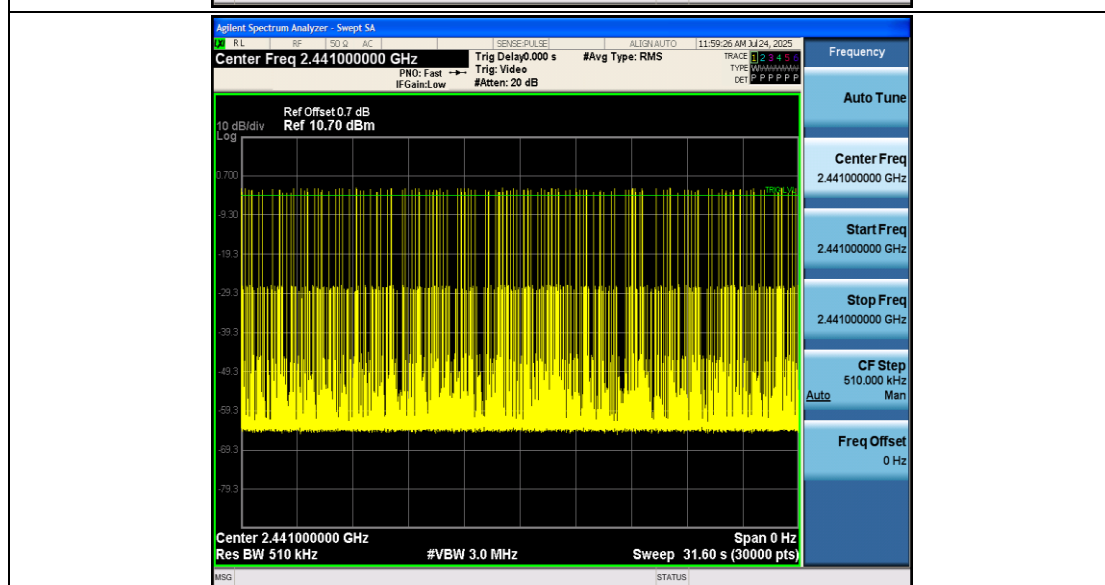
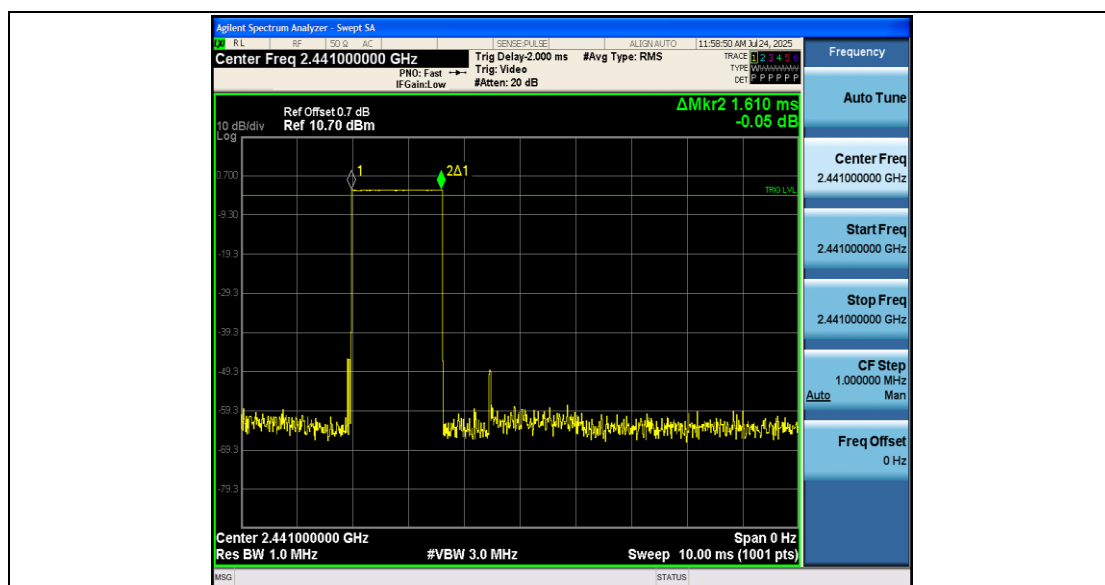




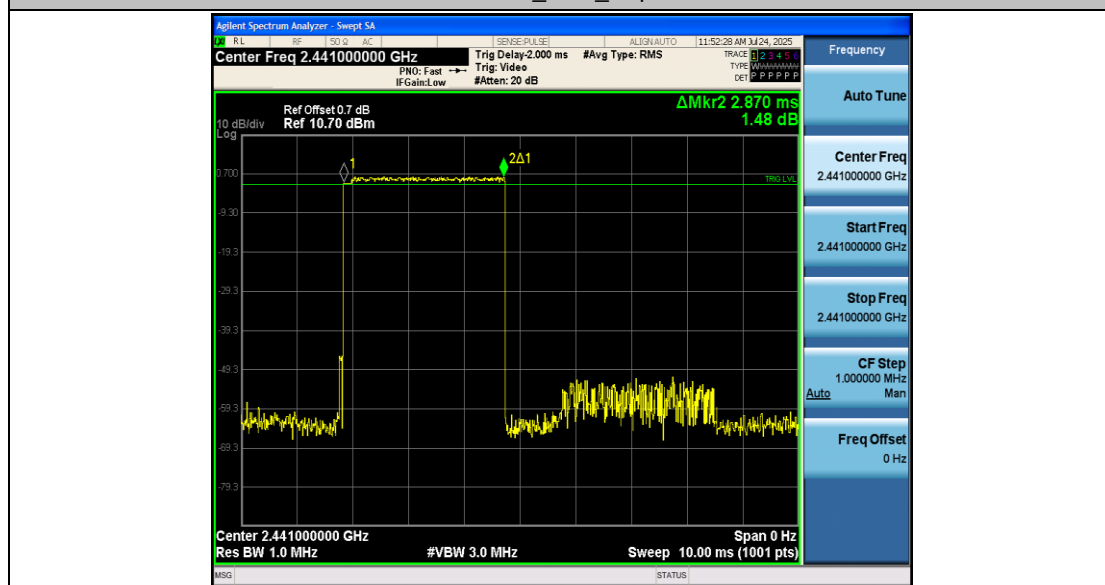
3DH1_Ant1_Hop

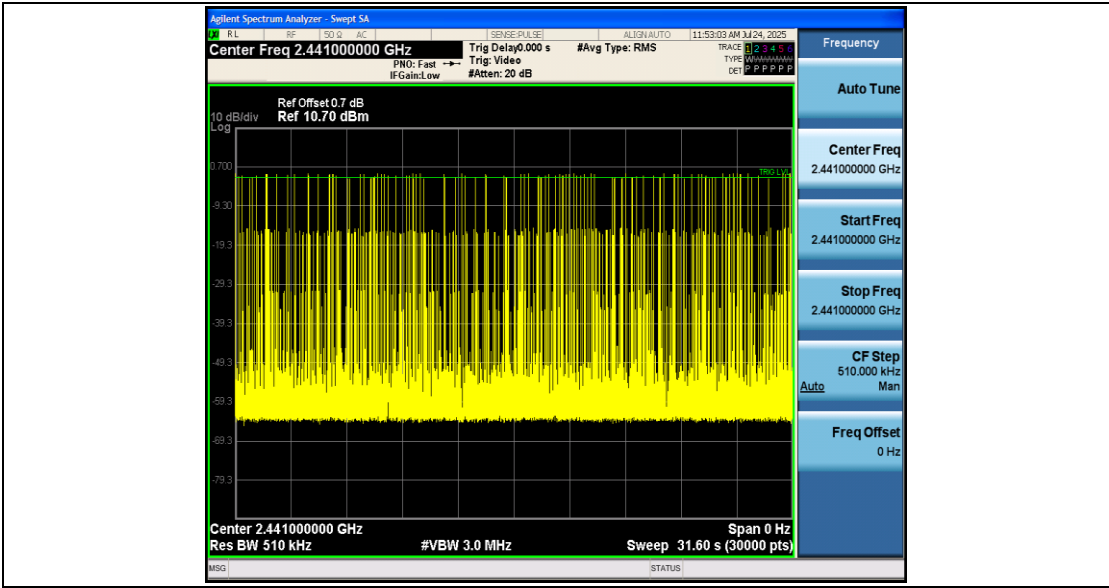


3DH3_Ant1_Hop



3DH5_Ant1_Hop





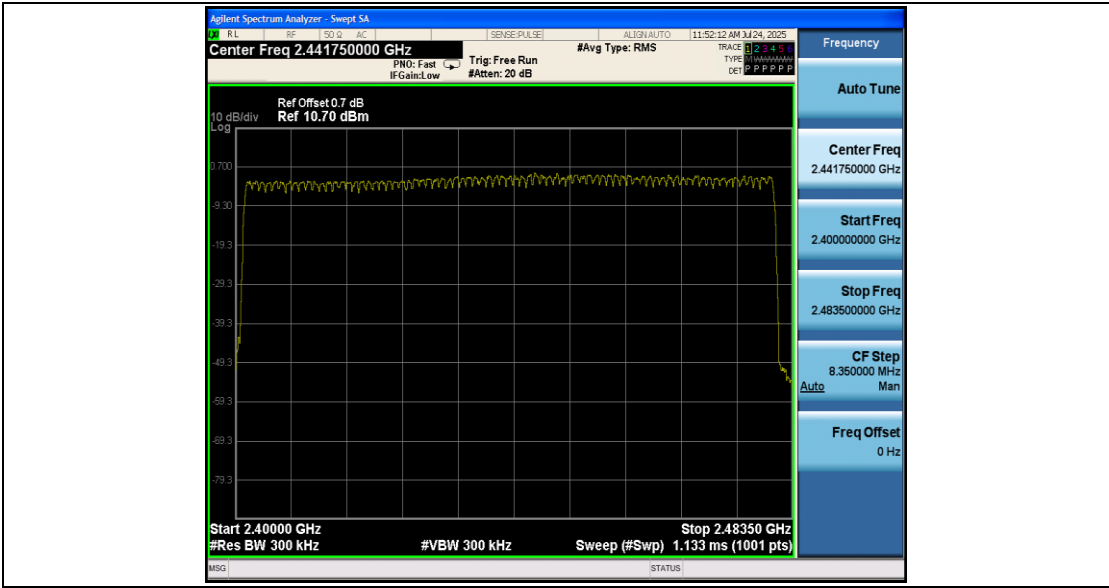
Appendix F: Number of hopping channels

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



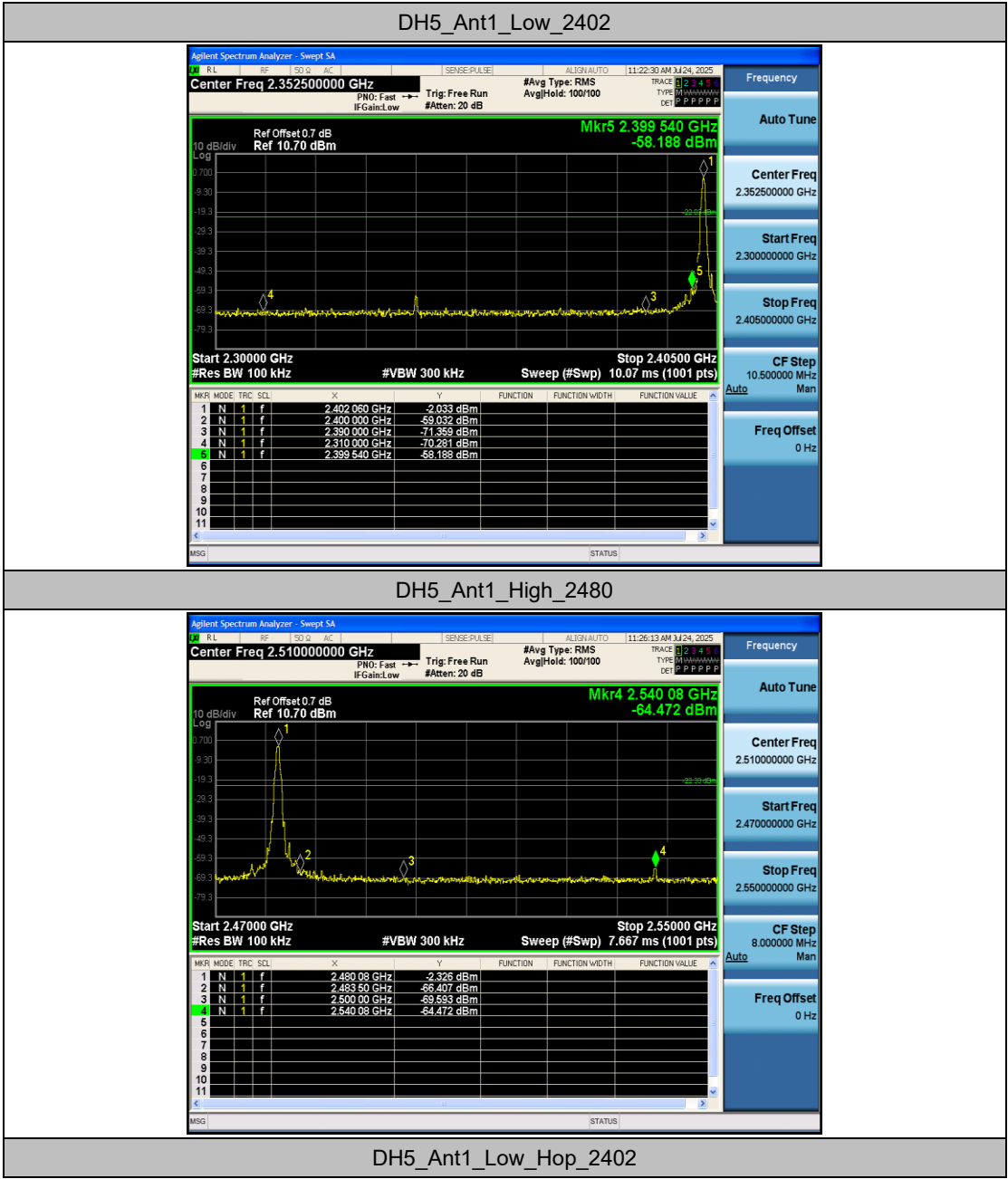


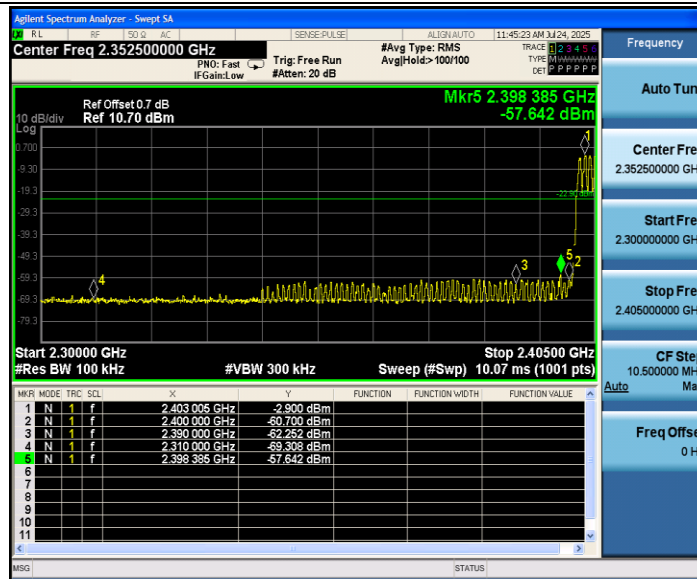
Appendix G: Band edge measurements

Test Result

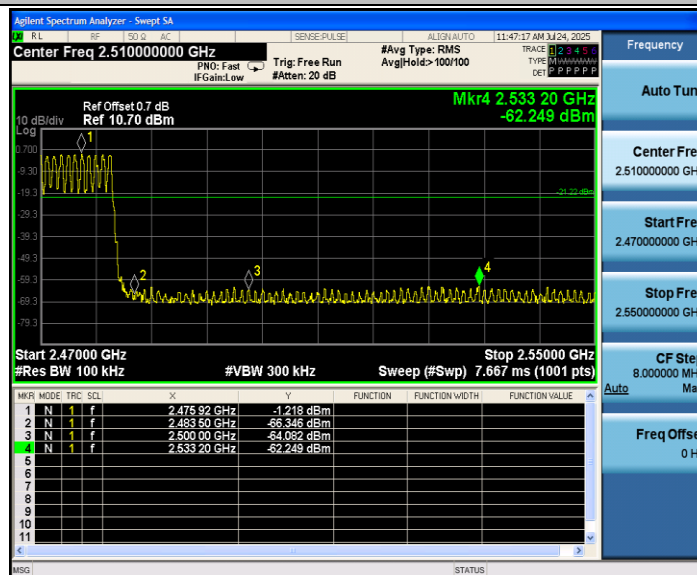
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.03	-58.19	≤-22.03	PASS
		High	2480	-2.33	-64.47	≤-22.33	PASS
		Low	Hop_2402	-2.90	-57.64	≤-22.9	PASS
		High	Hop_2480	-1.22	-62.25	≤-21.22	PASS
2DH5	Ant1	Low	2402	-3.21	-53.46	≤-23.21	PASS
		High	2480	-3.21	-59.87	≤-23.21	PASS
		Low	Hop_2402	-5.29	-56.45	≤-25.29	PASS
		High	Hop_2480	-2.70	-59.82	≤-22.7	PASS
3DH5	Ant1	Low	2402	-4.12	-47.42	≤-24.12	PASS
		High	2480	-4.03	-56.96	≤-24.03	PASS
		Low	Hop_2402	-5.83	-47.53	≤-25.83	PASS
		High	Hop_2480	-3.54	-48.88	≤-23.54	PASS

Test Graphs

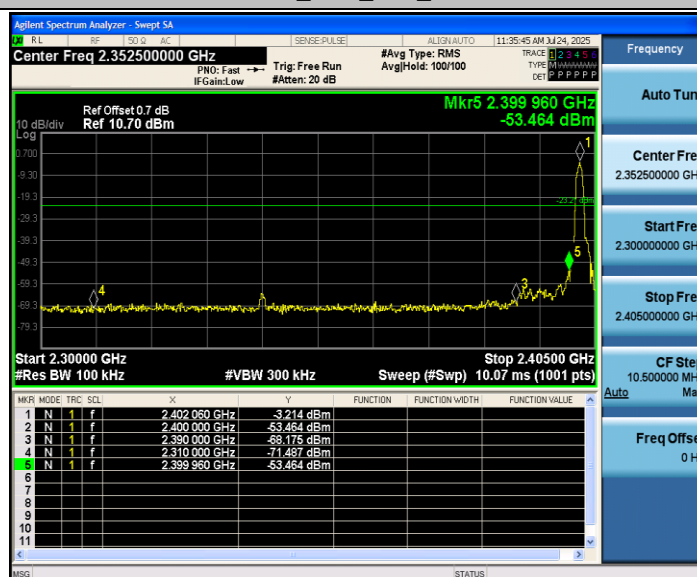




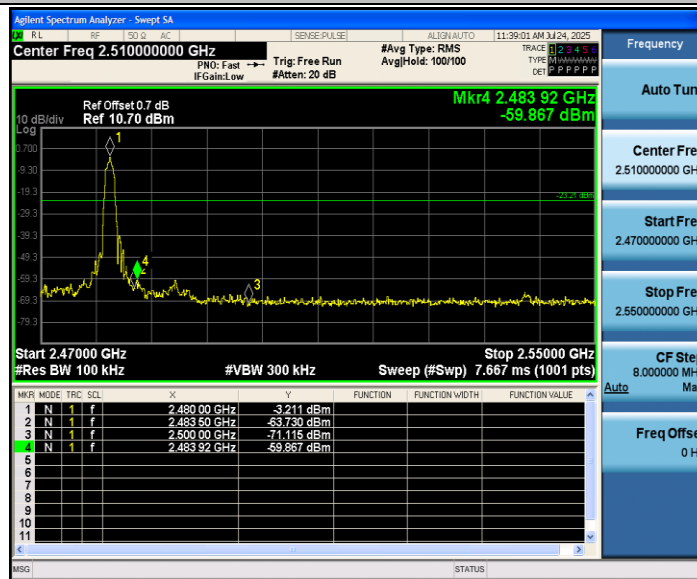
DH5_Ant1_High_Hop_2480



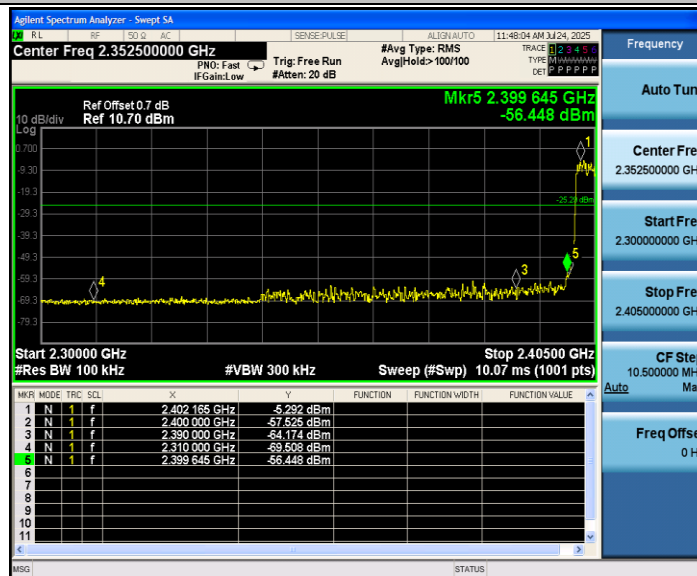
2DH5_Ant1_Low_2402



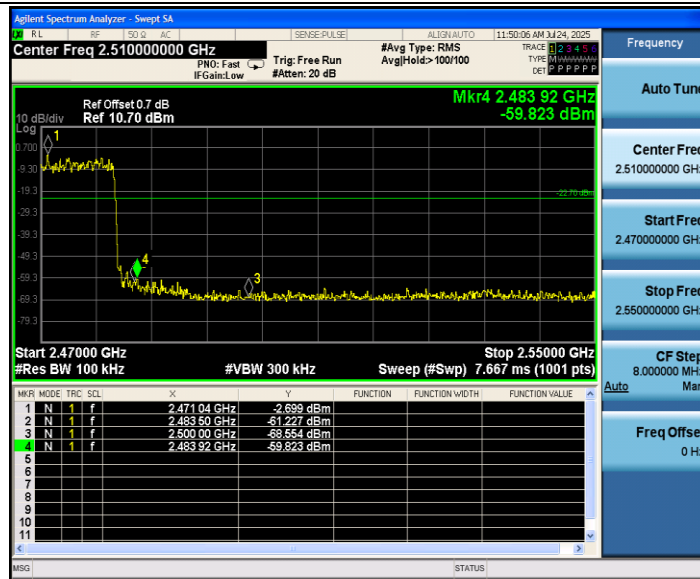
2DH5_Ant1_High_2480



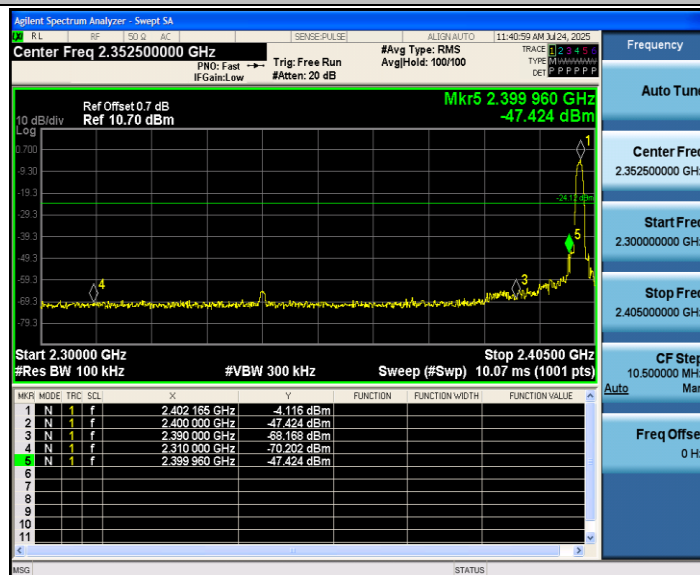
2DH5_Ant1_Low_Hop_2402



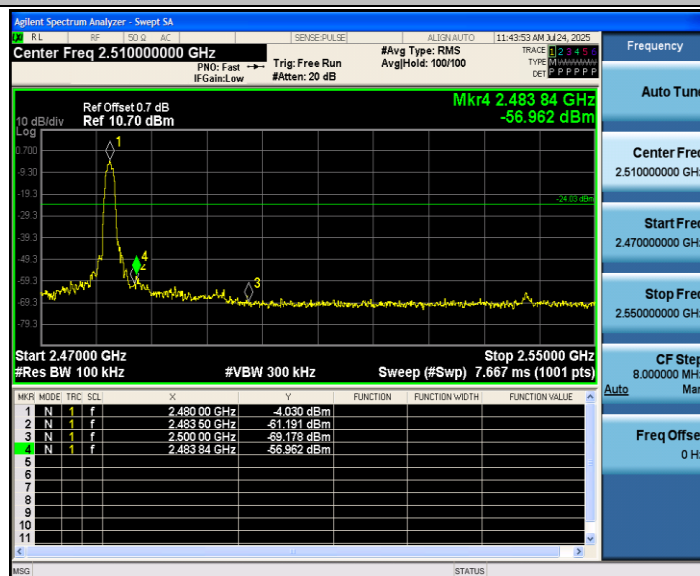
2DH5_Ant1_High_Hop_2480



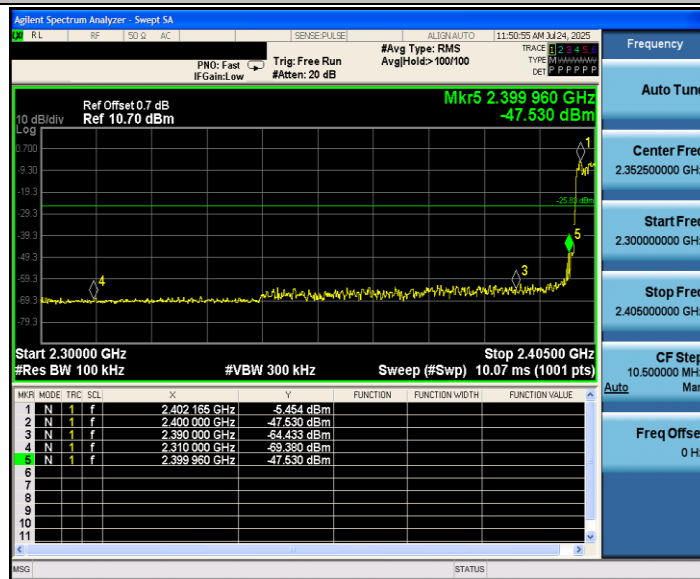
3DH5_Ant1_Low_2402



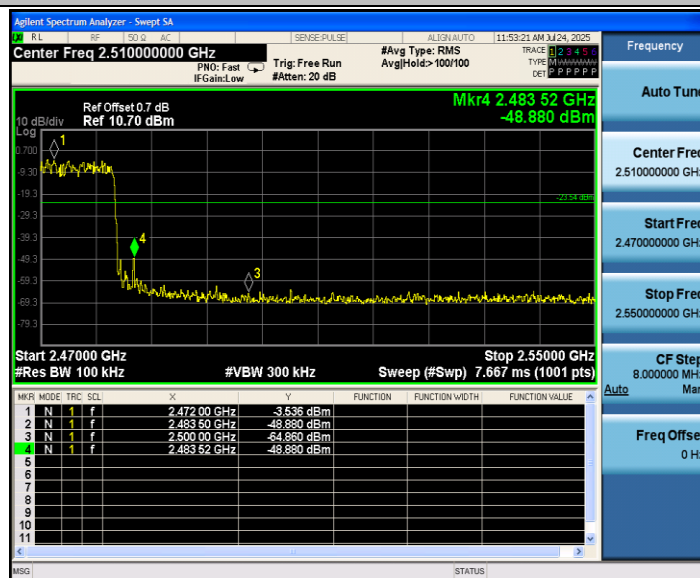
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

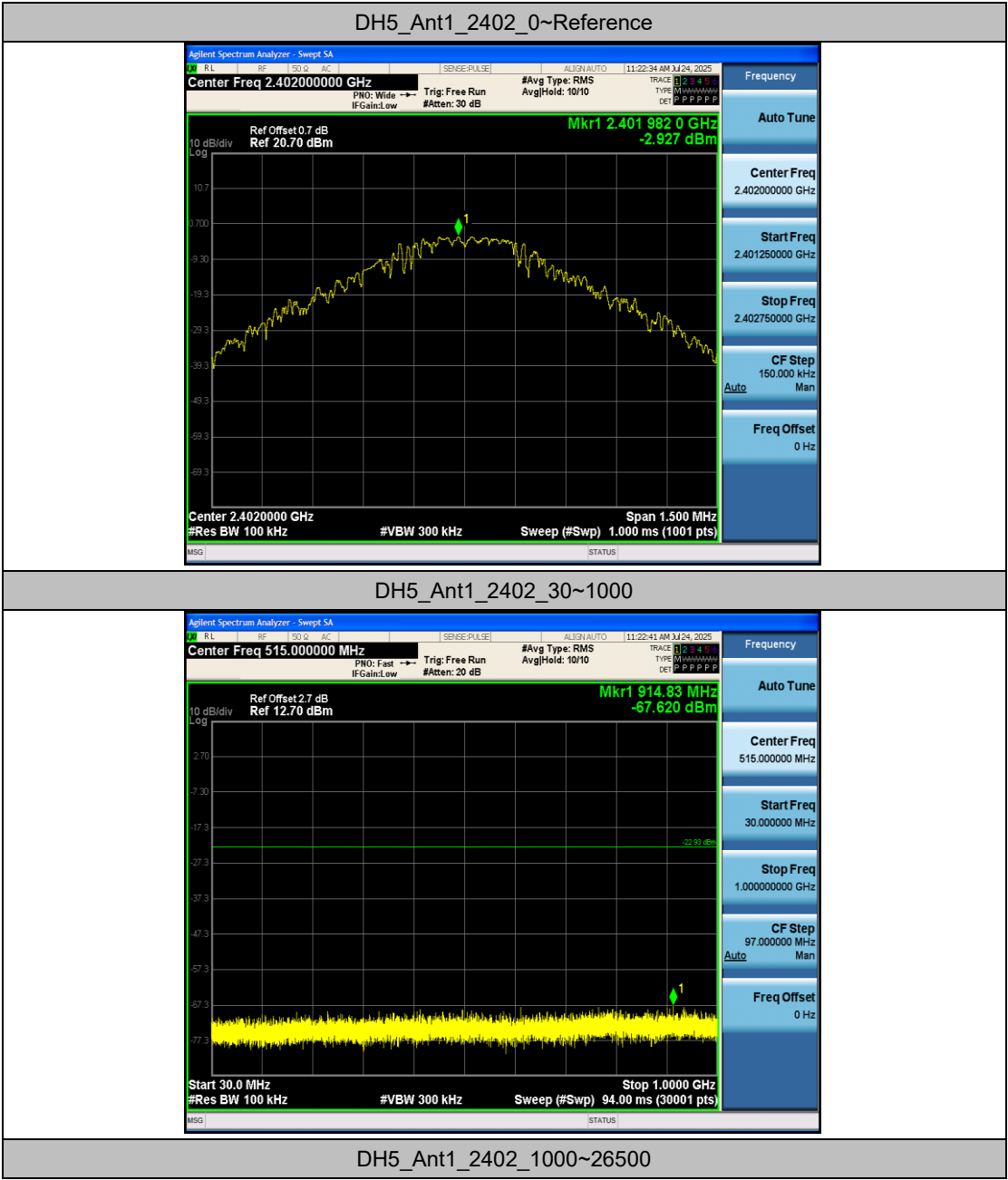


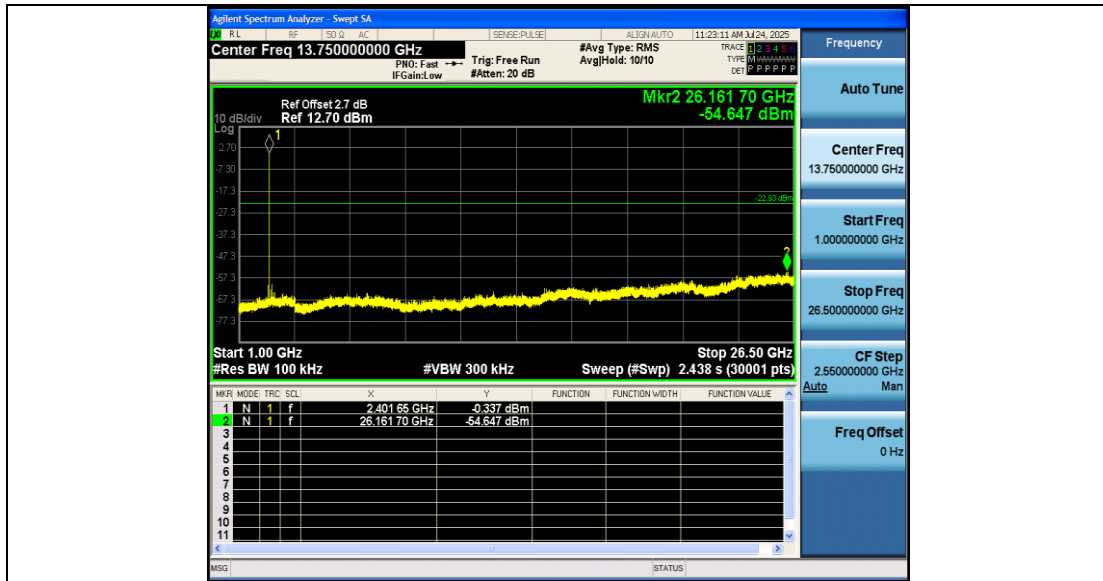
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.93	-2.93	---	PASS
			30~1000	-2.93	-67.62	≤-22.93	PASS
			1000~26500	-2.93	-54.65	≤-22.93	PASS
		2441	Reference	-1.67	-1.67	---	PASS
			30~1000	-1.67	-67.49	≤-21.67	PASS
			1000~26500	-1.67	-55.25	≤-21.67	PASS
		2480	Reference	-2.82	-2.82	---	PASS
			30~1000	-2.82	-67.52	≤-22.82	PASS
			1000~26500	-2.82	-54.49	≤-22.82	PASS
2DH5	Ant1	2402	Reference	-4.32	-4.32	---	PASS
			30~1000	-4.32	-68.04	≤-24.32	PASS
			1000~26500	-4.32	-54.78	≤-24.32	PASS
		2441	Reference	-4.36	-4.36	---	PASS
			30~1000	-4.36	-67.44	≤-24.36	PASS
			1000~26500	-4.36	-54.89	≤-24.36	PASS
		2480	Reference	-3.59	-3.59	---	PASS
			30~1000	-3.59	-67.65	≤-23.59	PASS
			1000~26500	-3.59	-54.65	≤-23.59	PASS
3DH5	Ant1	2402	Reference	-4.48	-4.48	---	PASS
			30~1000	-4.48	-67.92	≤-24.48	PASS
			1000~26500	-4.48	-54.32	≤-24.48	PASS
		2441	Reference	-4.21	-4.21	---	PASS
			30~1000	-4.21	-67.75	≤-24.21	PASS
			1000~26500	-4.21	-55.15	≤-24.21	PASS
		2480	Reference	-3.58	-3.58	---	PASS
			30~1000	-3.58	-67.43	≤-23.58	PASS
			1000~26500	-3.58	-54.6	≤-23.58	PASS

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

