

FCC Appendix RF Test Data for BT

FCC ID : **AUSE200A-WADG**

Company : **Modern Marketing Concepts, Inc.**

EUT : **ELEVATE RECORD PLAYER**

Model Number : **E200A-WADG**

Report No. : **CTA25110501401**

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	0.921	2401.562	2402.483	---	---
		2441	0.927	2440.550	2441.477	---	---
		2480	0.942	2479.553	2480.495	---	---
2DH5	Ant1	2402	1.275	2401.382	2402.657	---	---
		2441	1.332	2440.343	2441.675	---	---
		2480	1.335	2479.343	2480.678	---	---
3DH5	Ant1	2402	1.335	2401.343	2402.678	---	---
		2441	1.320	2440.349	2441.669	---	---
		2480	1.281	2479.379	2480.660	---	---

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



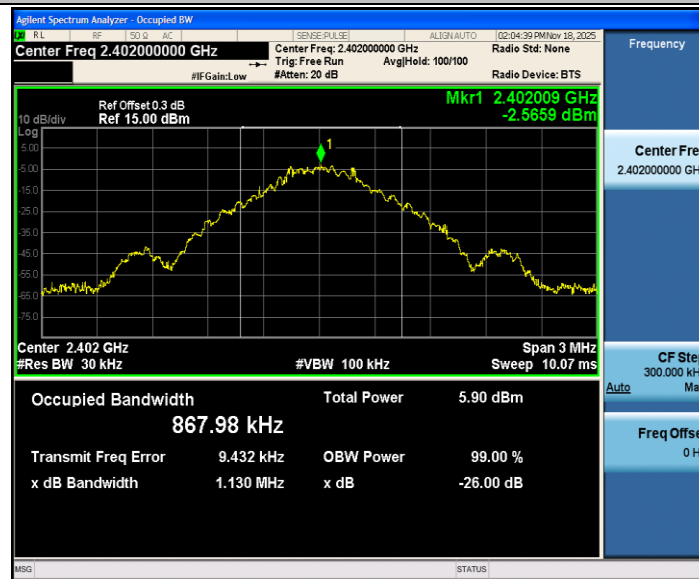
Appendix B: Occupied Channel Bandwidth

Test Result

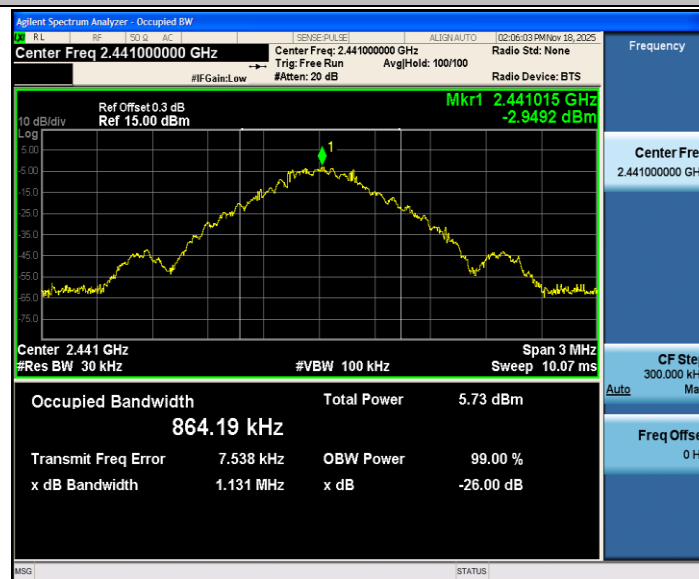
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86798	2401.5754	2402.4434	---	---
		2441	0.86419	2440.5754	2441.4396	---	---
		2480	0.86575	2479.5745	2480.4403	---	---
2DH5	Ant1	2402	1.1906	2401.4159	2402.6065	---	---
		2441	1.1867	2440.4178	2441.6045	---	---
		2480	1.1917	2479.4165	2480.6082	---	---
3DH5	Ant1	2402	1.1850	2401.4176	2402.6026	---	---
		2441	1.1841	2440.4189	2441.6030	---	---
		2480	1.1872	2479.4184	2480.6056	---	---

Test Graphs

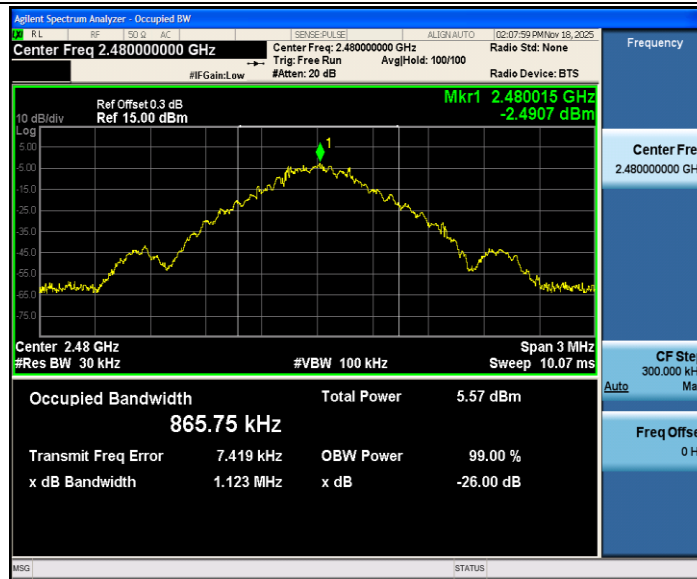
DH5_Ant1_2402



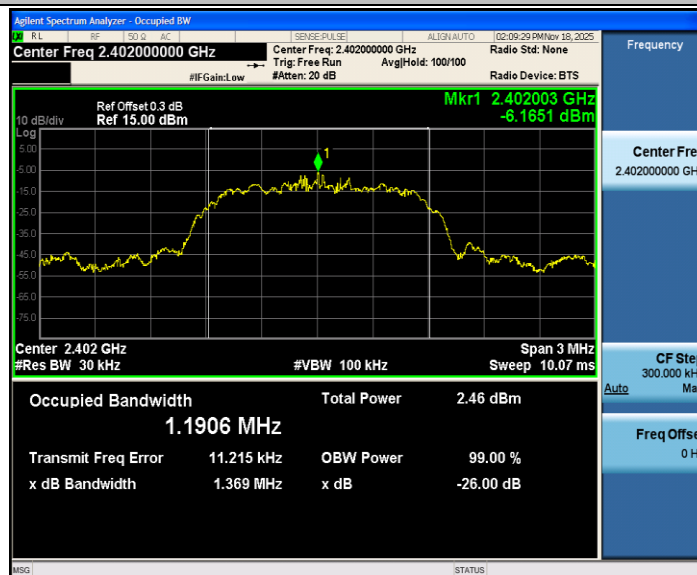
DH5_Ant1_2441



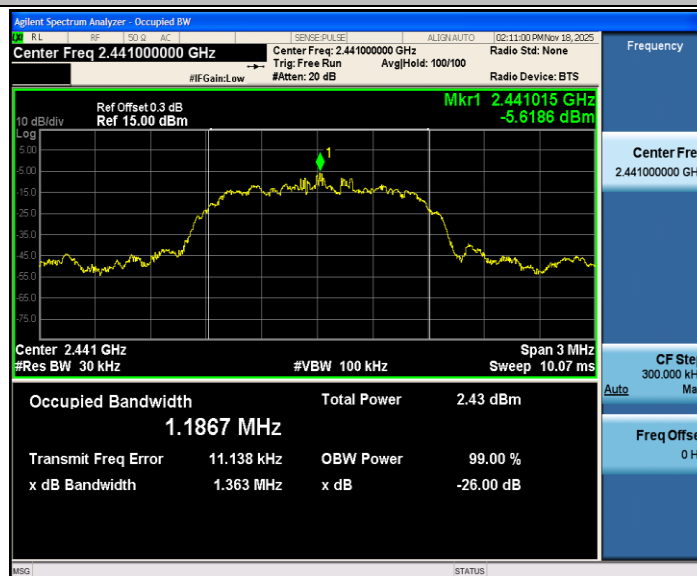
DH5_Ant1_2480



2DH5_Ant1_2402



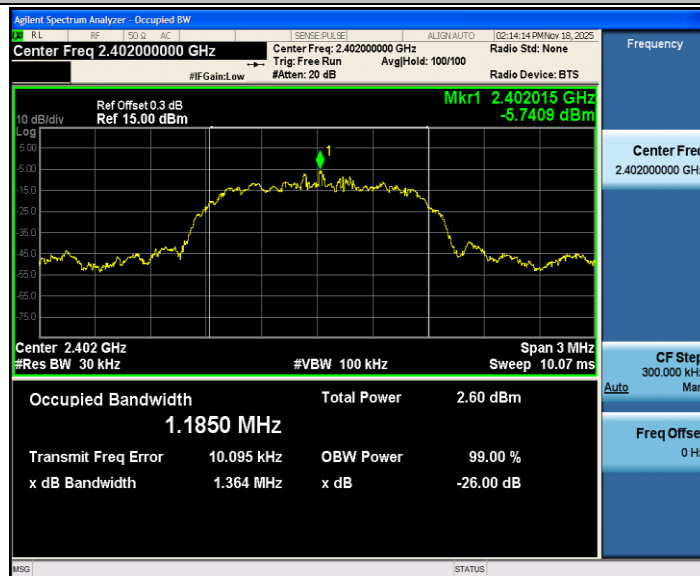
2DH5_Ant1_2441



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	-0.10	≤20.97	PASS
		2441	-0.31	≤20.97	PASS
		2480	-0.36	≤20.97	PASS
2DH5	Ant1	2402	-0.89	≤20.97	PASS
		2441	-1.13	≤20.97	PASS
		2480	-1.15	≤20.97	PASS
3DH5	Ant1	2402	-0.88	≤20.97	PASS
		2441	-1.08	≤20.97	PASS
		2480	-1.14	≤20.97	PASS

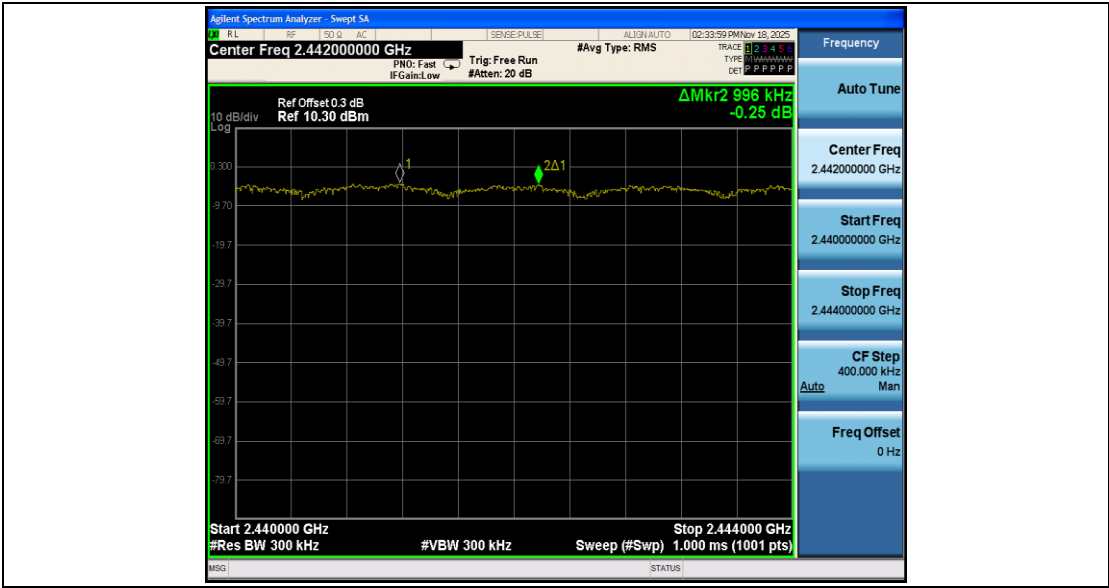
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.02	≥ 0.942	PASS
2DH5	Ant1	Hop	1.02	≥ 0.890	PASS
3DH5	Ant1	Hop	0.996	≥ 0.890	PASS

Test Graphs



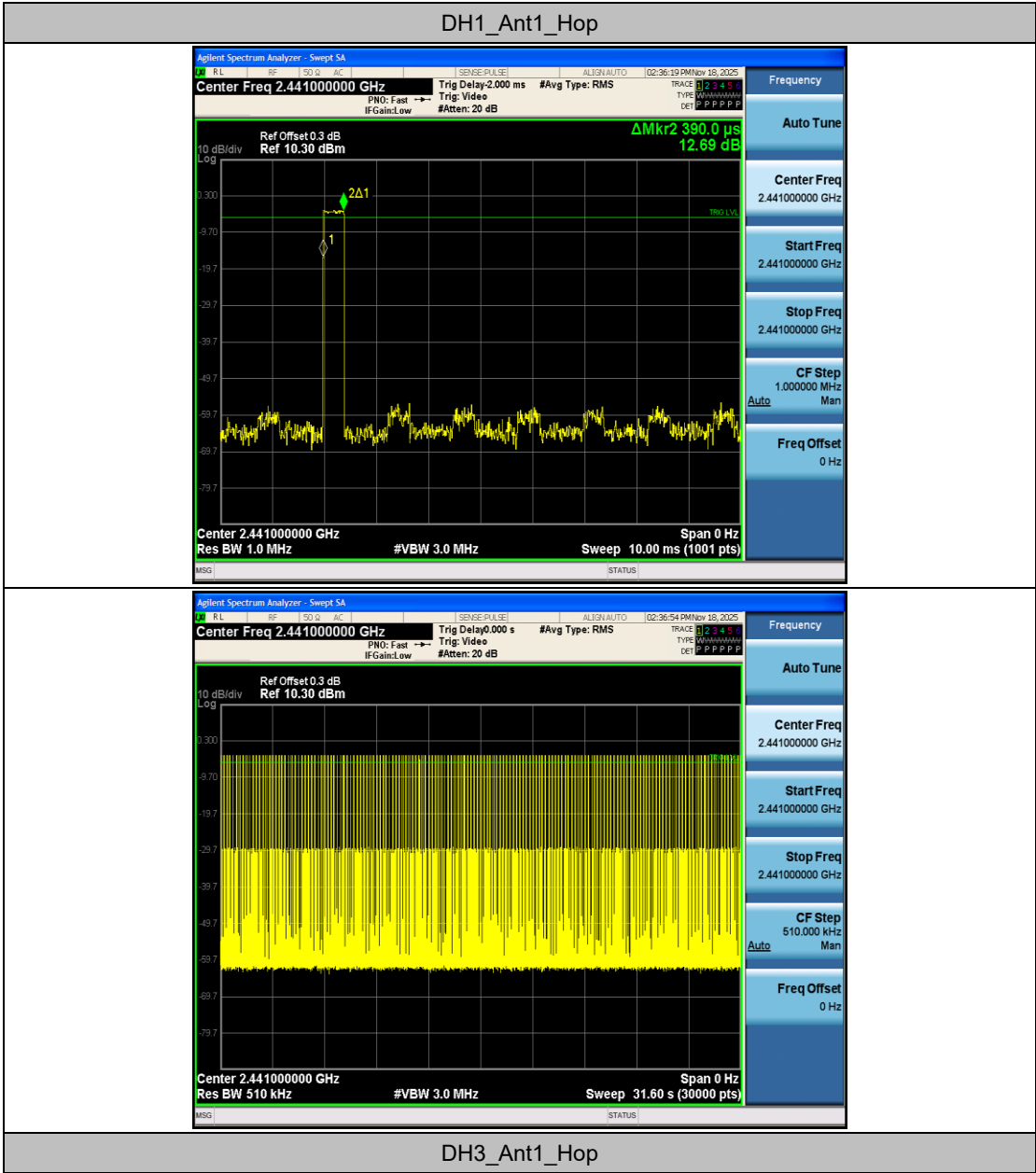


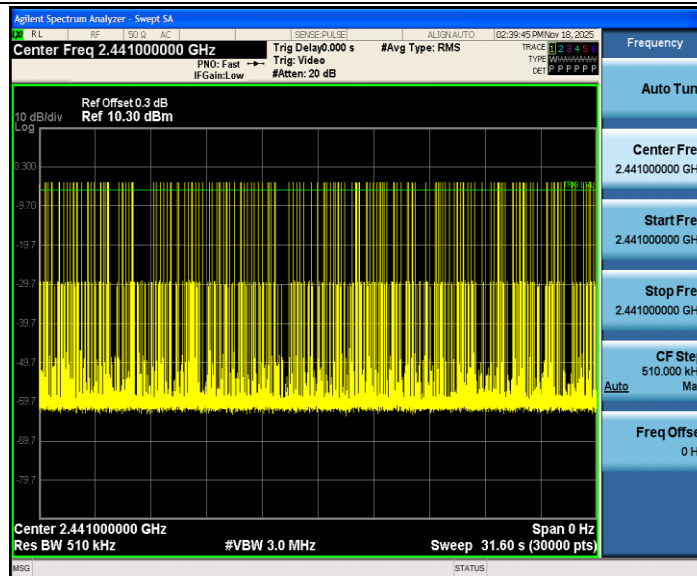
Appendix E: Time of occupancy

Test Result

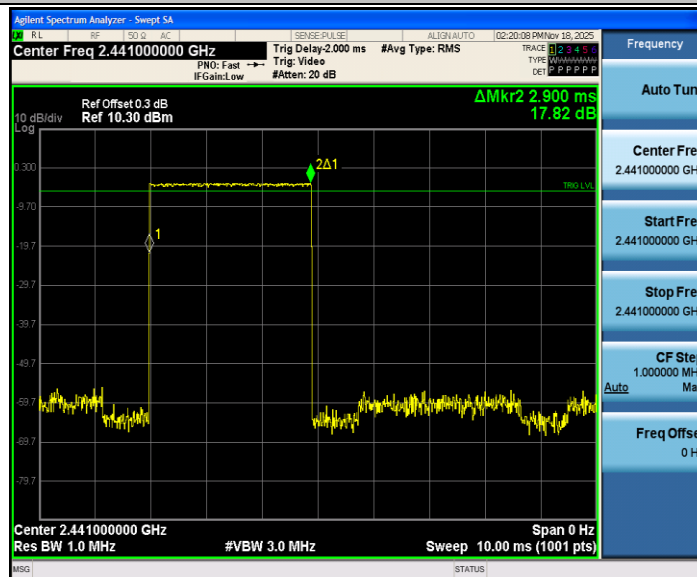
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
DH3	Ant1	Hop	1.650	165	0.272	≤0.4	PASS
DH5	Ant1	Hop	2.900	108	0.313	≤0.4	PASS
2DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.640	153	0.251	≤0.4	PASS
2DH5	Ant1	Hop	2.890	100	0.289	≤0.4	PASS
3DH1	Ant1	Hop	0.390	317	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.650	165	0.272	≤0.4	PASS
3DH5	Ant1	Hop	2.890	107	0.309	≤0.4	PASS

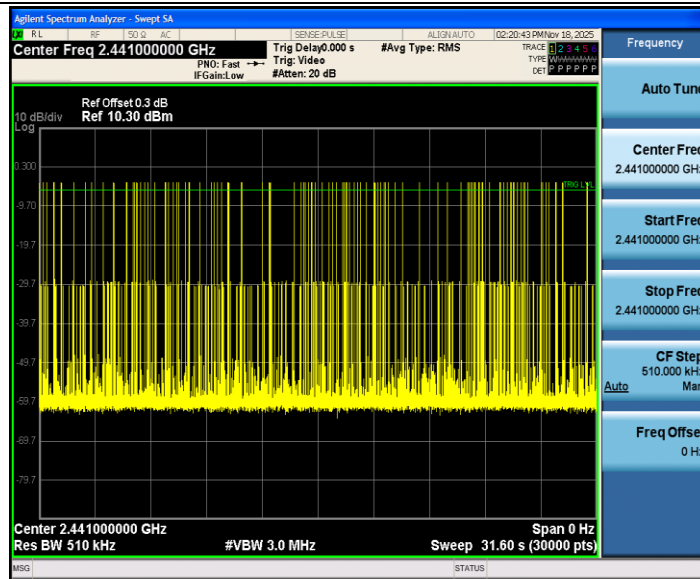
Test Graphs



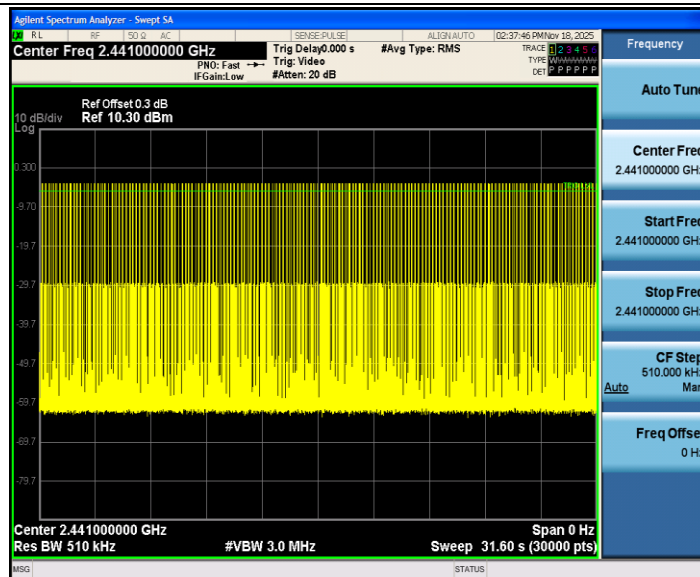
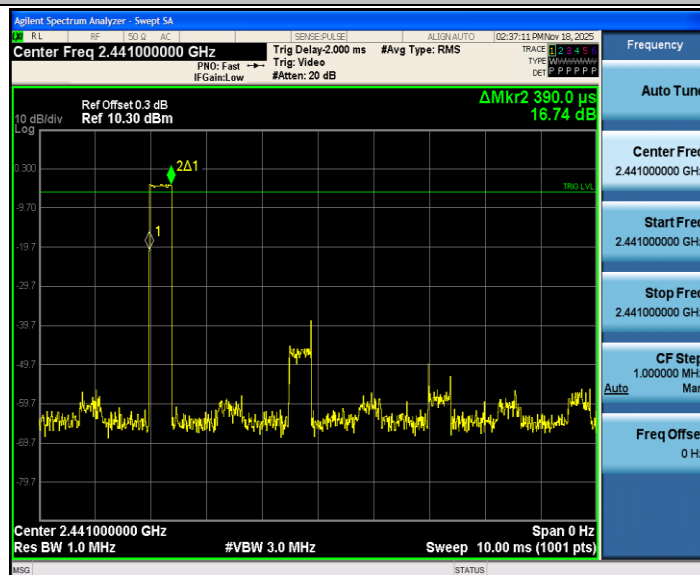


DH5_Ant1_Hop

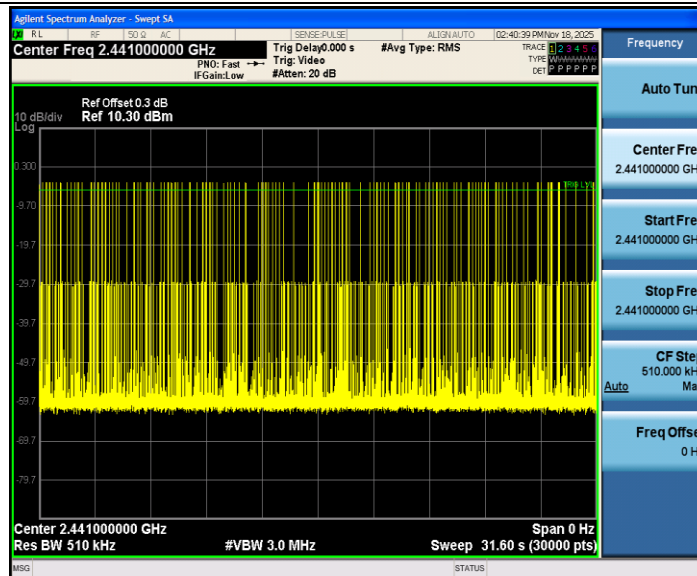
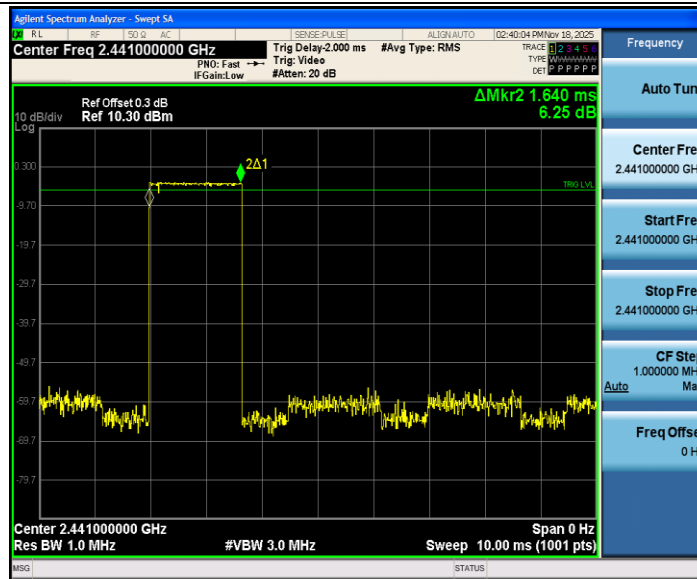




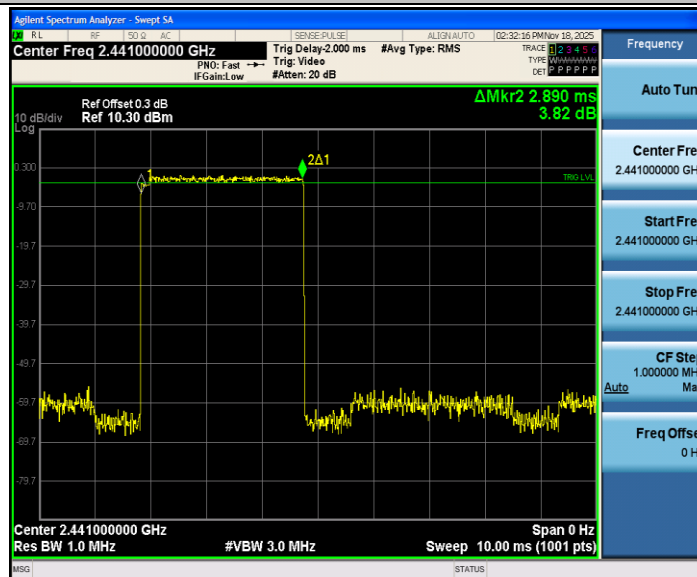
2DH1_Ant1_Hop

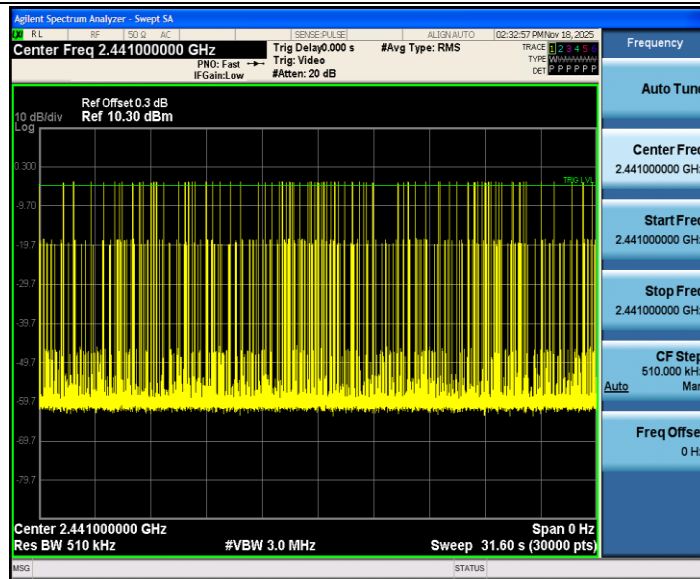


2DH3_Ant1_Hop

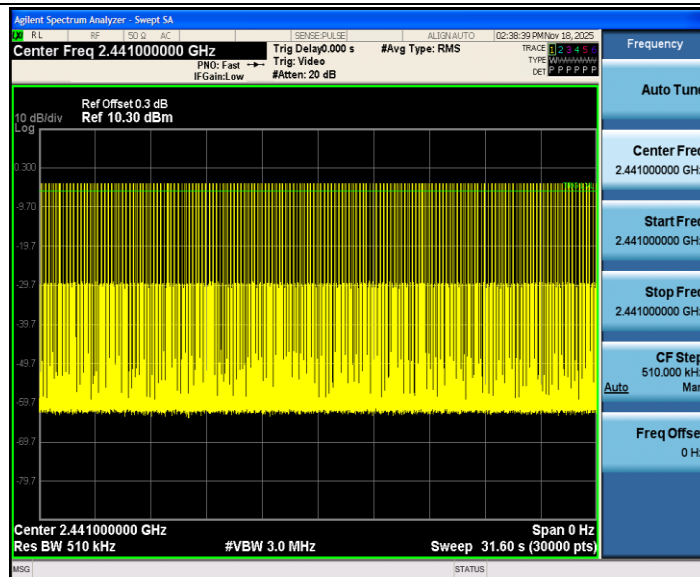
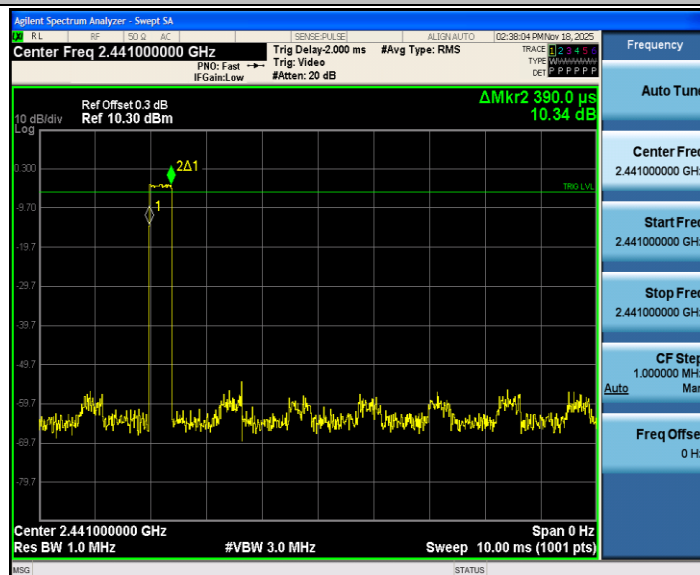


2DH5_Ant1_Hop

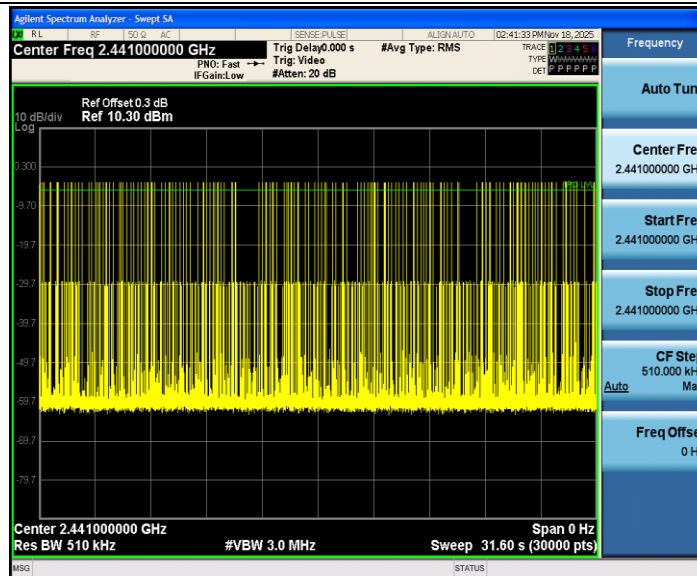
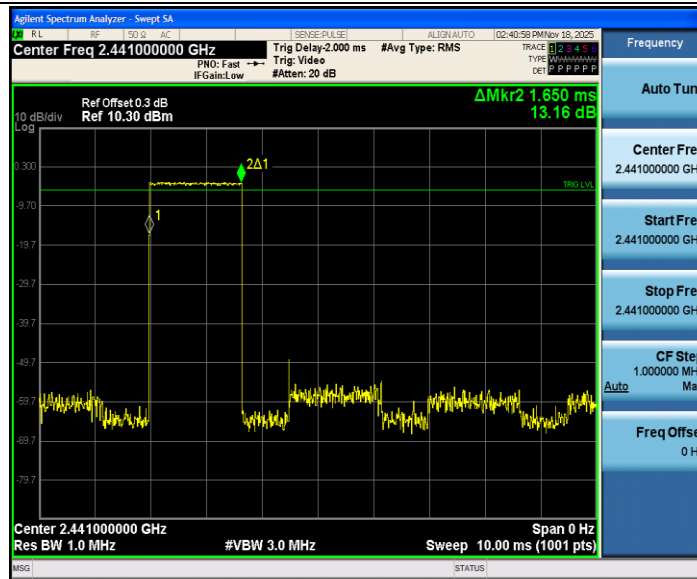




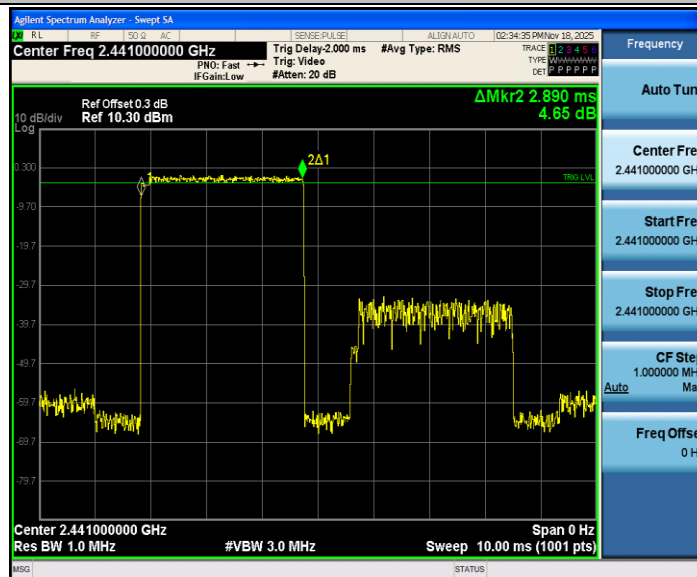
3DH1_Ant1_Hop

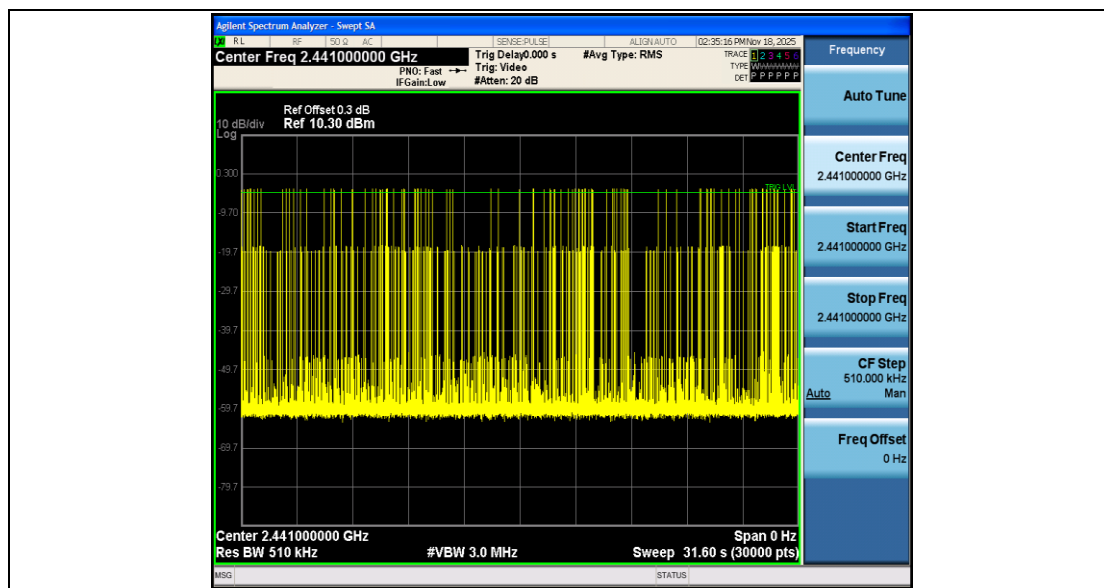


3DH3_Ant1_Hop



3DH5_Ant1_Hop





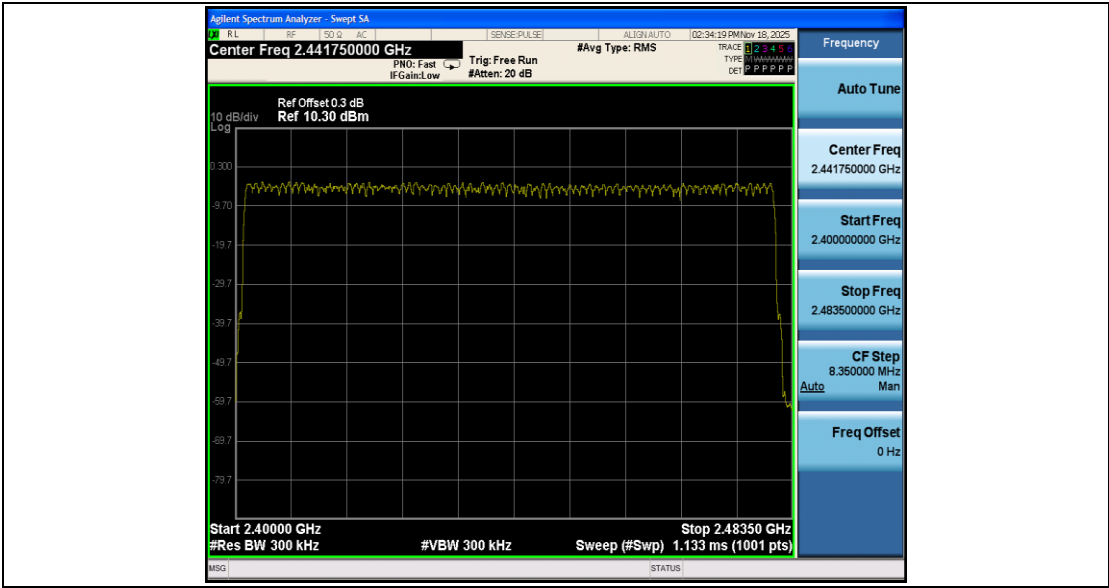
Appendix F: Number of hopping channels

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



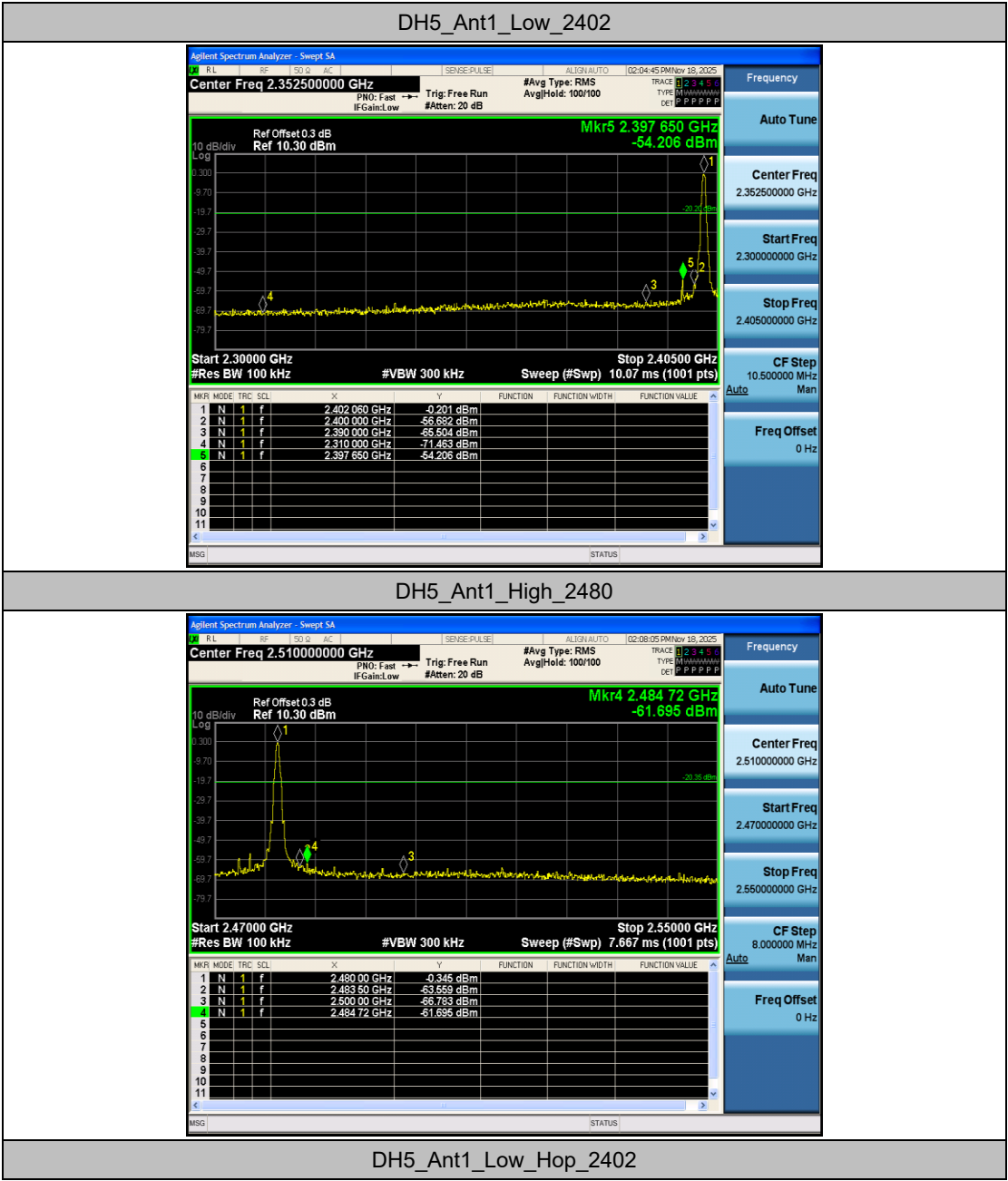


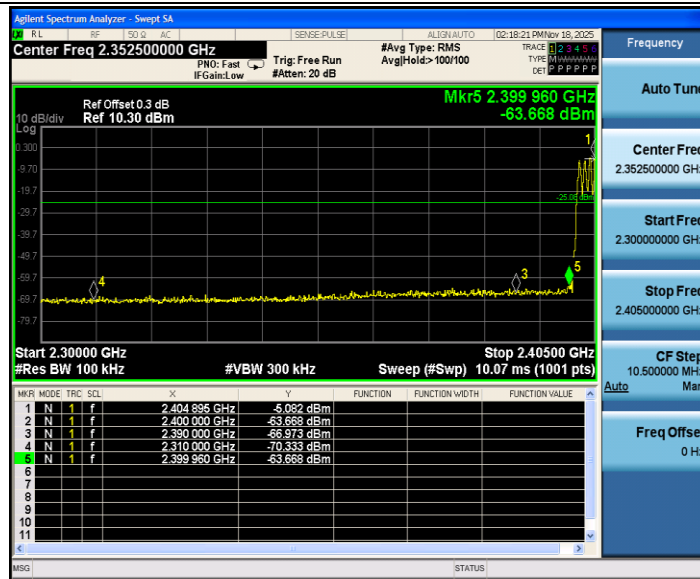
Appendix G: Band edge measurements

Test Result

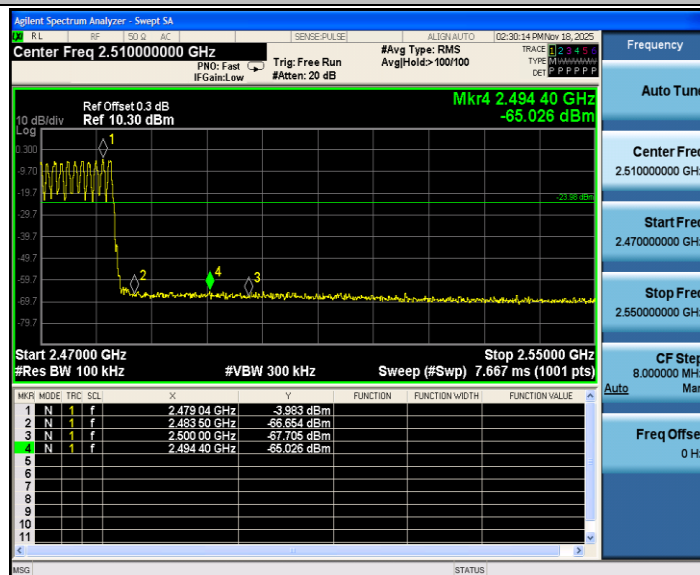
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.20	-54.21	≤ -20.2	PASS
		High	2480	-0.35	-61.7	≤ -20.35	PASS
		Low	Hop_2402	-5.08	-63.67	≤ -25.08	PASS
		High	Hop_2480	-3.98	-65.03	≤ -23.98	PASS
2DH5	Ant1	Low	2402	-4.27	-61.42	≤ -24.27	PASS
		High	2480	-6.68	-64.42	≤ -26.68	PASS
		Low	Hop_2402	-4.87	-60.76	≤ -24.87	PASS
		High	Hop_2480	-4.86	-64.23	≤ -24.86	PASS
3DH5	Ant1	Low	2402	-4.80	-60.91	≤ -24.8	PASS
		High	2480	-5.18	-64.41	≤ -25.18	PASS
		Low	Hop_2402	-3.48	-57.14	≤ -23.48	PASS
		High	Hop_2480	-4.13	-64.63	≤ -24.13	PASS

Test Graphs

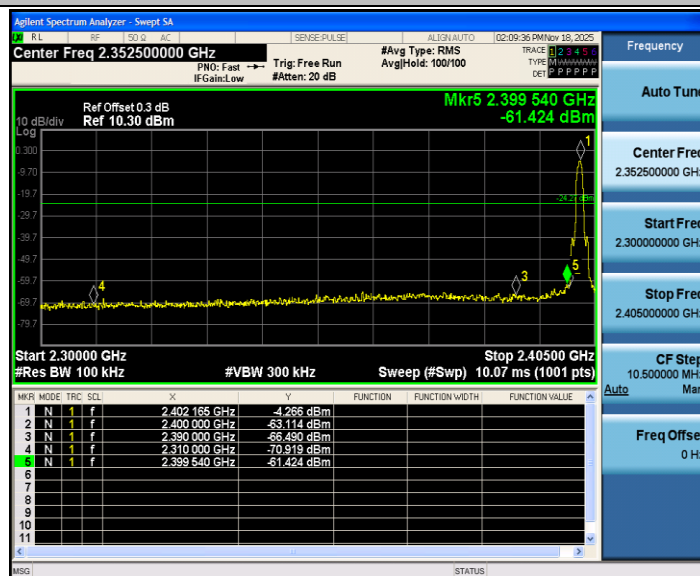




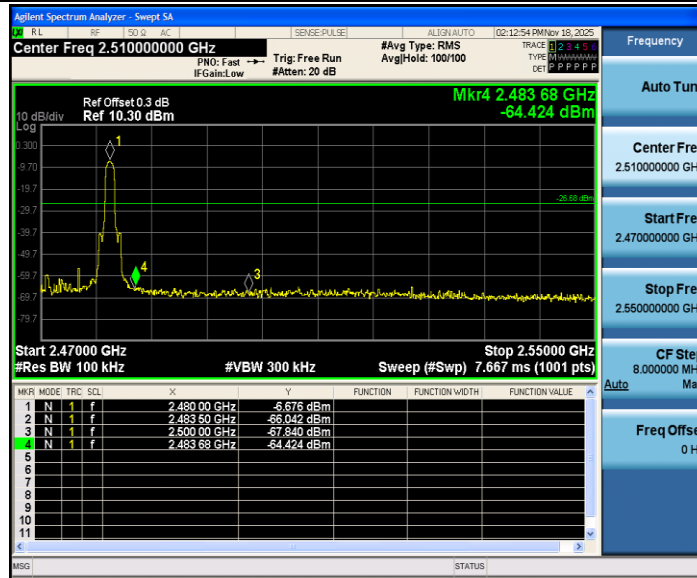
DH5_Ant1_High_Hop_2480



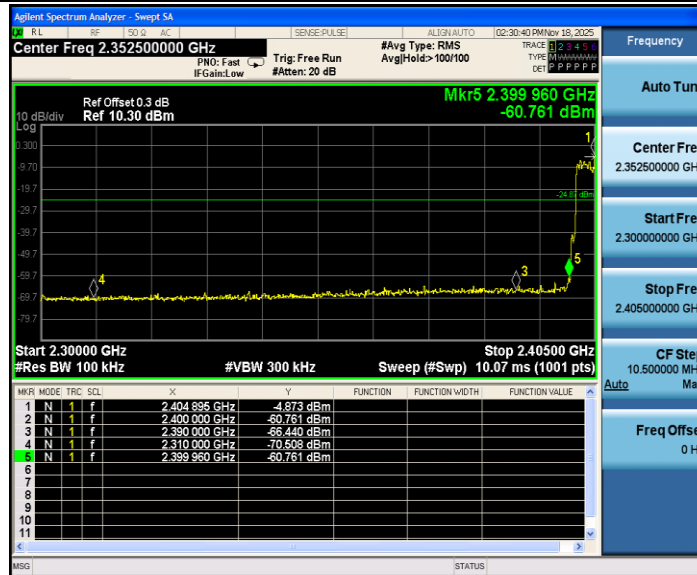
2DH5_Ant1_Low_2402



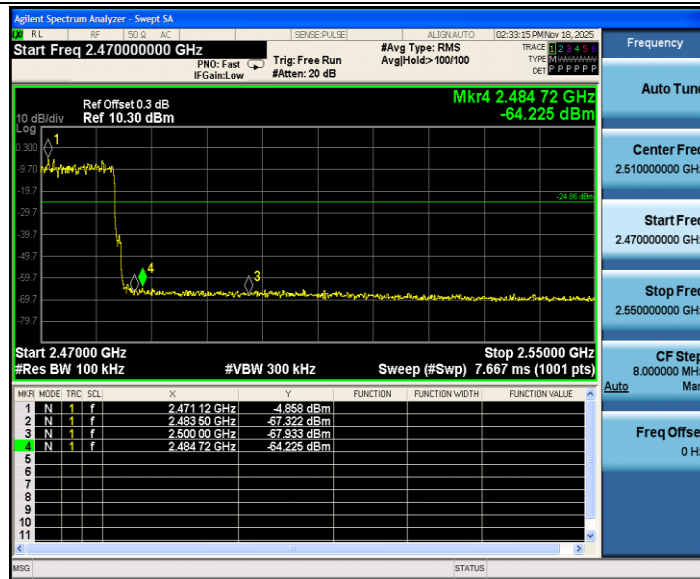
2DH5_Ant1_High_2480



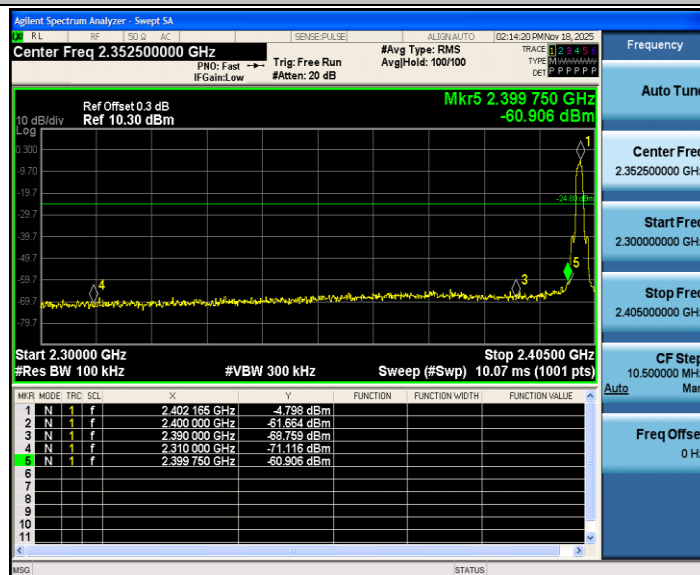
2DH5_Ant1_Low_Hop_2402



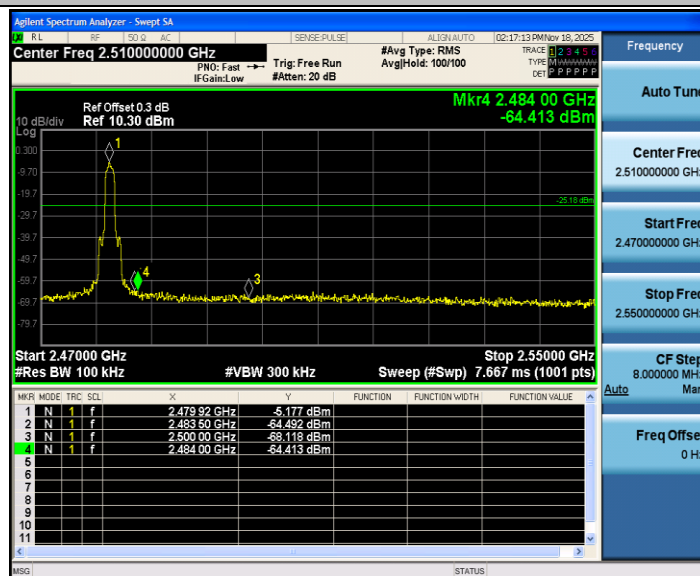
2DH5_Ant1_High_Hop_2480



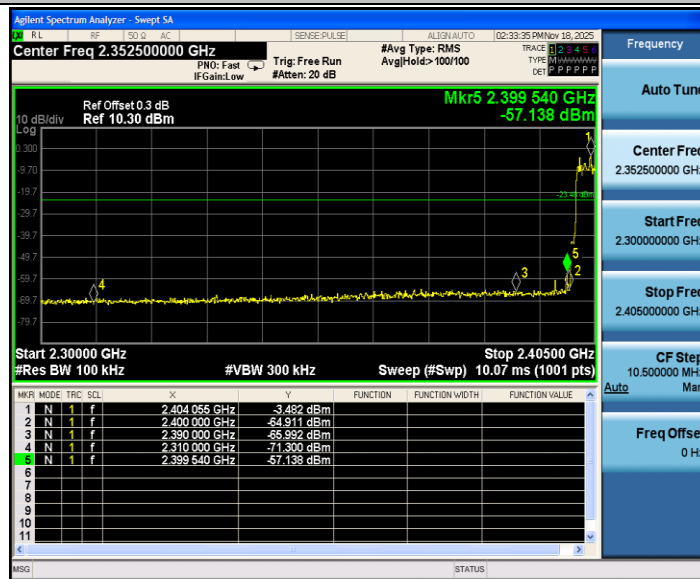
3DH5_Ant1_Low_2402



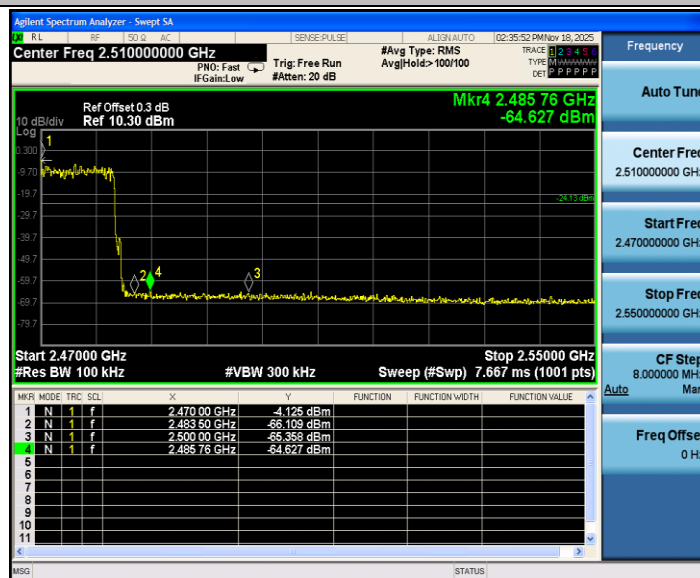
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

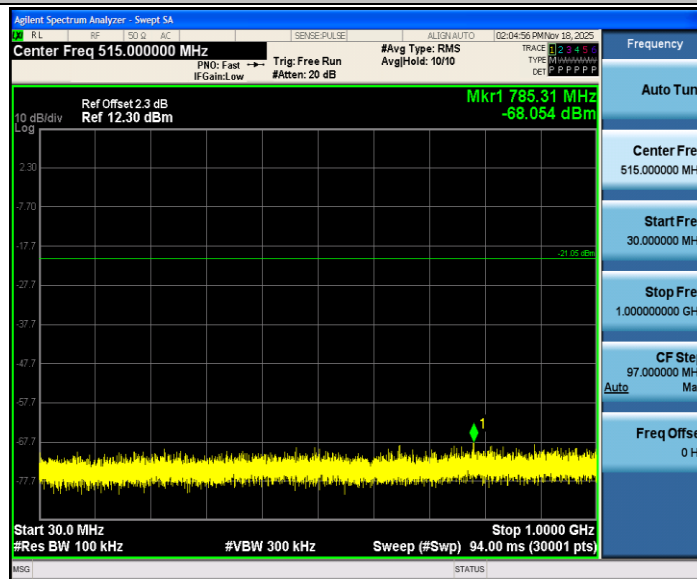
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.05	-1.05	---	PASS
			30~1000	-1.05	-68.05	≤-21.05	PASS
			1000~26500	-1.05	-43.06	≤-21.05	PASS
		2441	Reference	-1.35	-1.35	---	PASS
			30~1000	-1.35	-68.47	≤-21.35	PASS
			1000~26500	-1.35	-41.65	≤-21.35	PASS
		2480	Reference	-1.22	-1.22	---	PASS
			30~1000	-1.22	-68.27	≤-21.22	PASS
			1000~26500	-1.22	-42.11	≤-21.22	PASS
2DH5	Ant1	2402	Reference	-4.45	-4.45	---	PASS
			30~1000	-4.45	-67.7	≤-24.45	PASS
			1000~26500	-4.45	-49.18	≤-24.45	PASS
		2441	Reference	-4.55	-4.55	---	PASS
			30~1000	-4.55	-68.64	≤-24.55	PASS
			1000~26500	-4.55	-49.22	≤-24.55	PASS
		2480	Reference	-3.94	-3.94	---	PASS
			30~1000	-3.94	-68.3	≤-23.94	PASS
			1000~26500	-3.94	-50	≤-23.94	PASS
3DH5	Ant1	2402	Reference	-5.82	-5.82	---	PASS
			30~1000	-5.82	-68.27	≤-25.82	PASS
			1000~26500	-5.82	-49.69	≤-25.82	PASS
		2441	Reference	-5.91	-5.91	---	PASS
			30~1000	-5.91	-68.09	≤-25.91	PASS
			1000~26500	-5.91	-49.84	≤-25.91	PASS
		2480	Reference	-5.87	-5.87	---	PASS
			30~1000	-5.87	-68.57	≤-25.87	PASS
			1000~26500	-5.87	-51.09	≤-25.87	PASS

Test Graphs

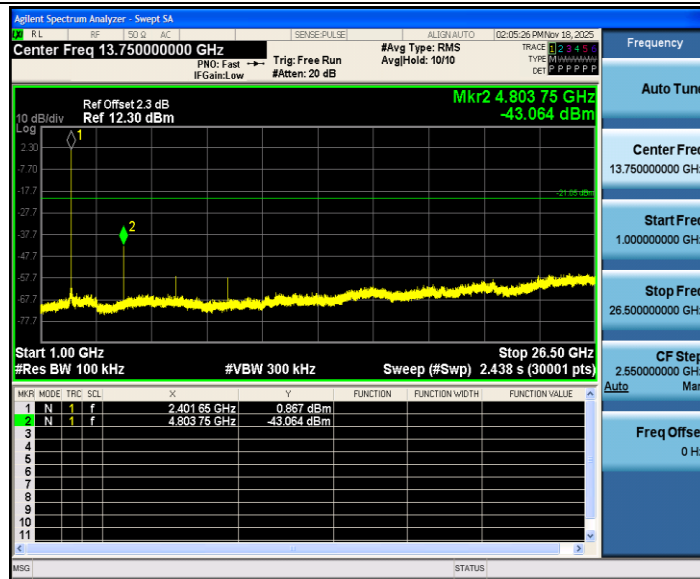
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



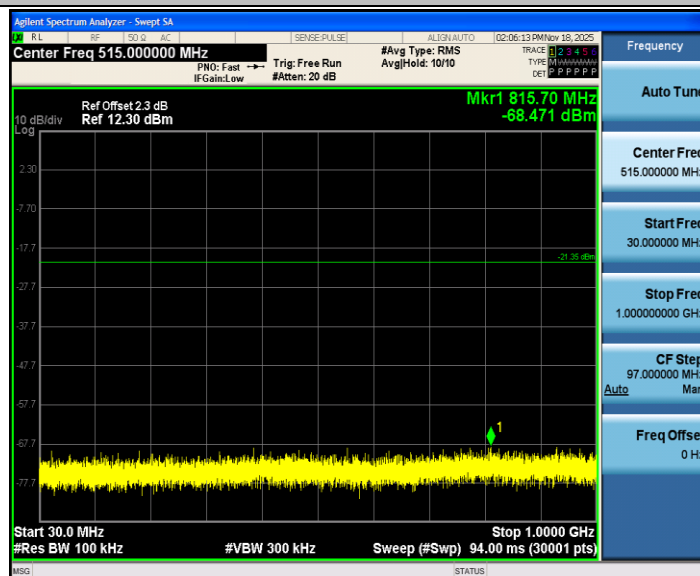
DH5_Ant1_2402_1000~26500



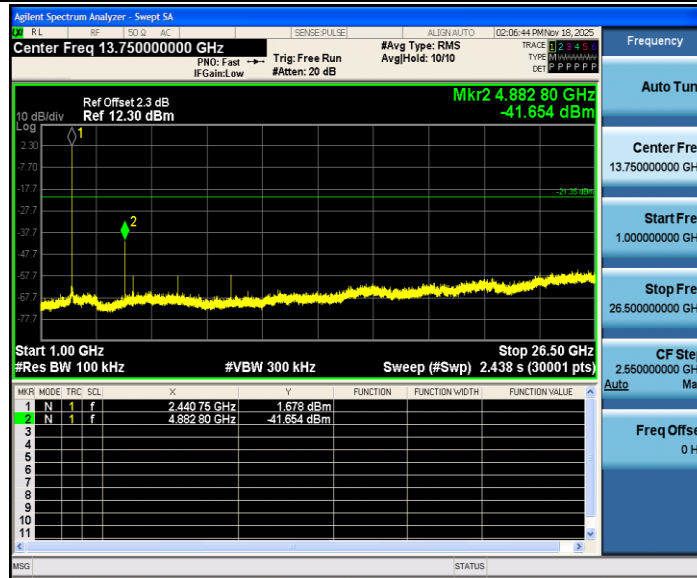
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



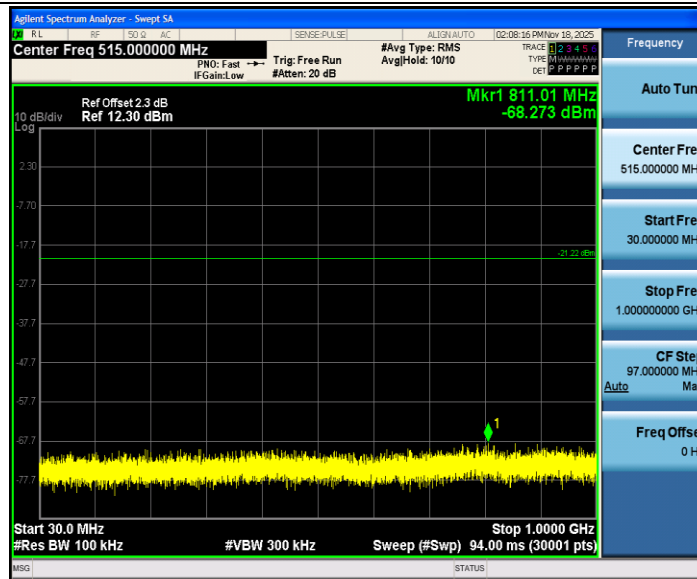
DH5_Ant1_2441_1000~26500



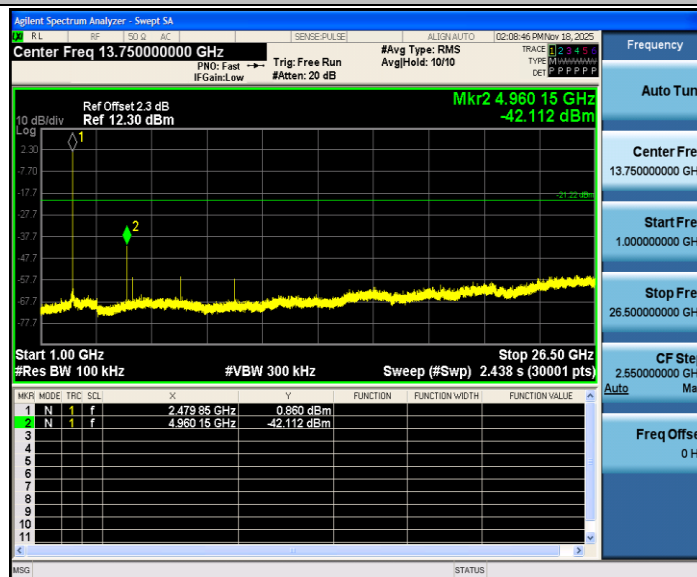
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



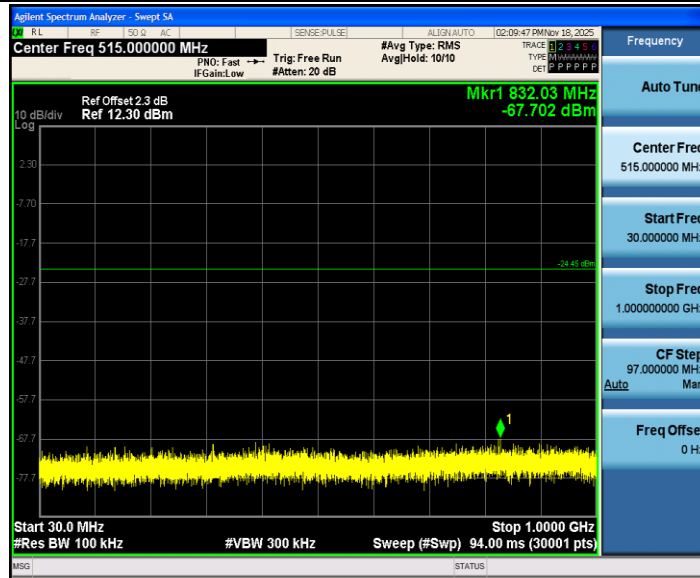
DH5_Ant1_2480_1000~26500



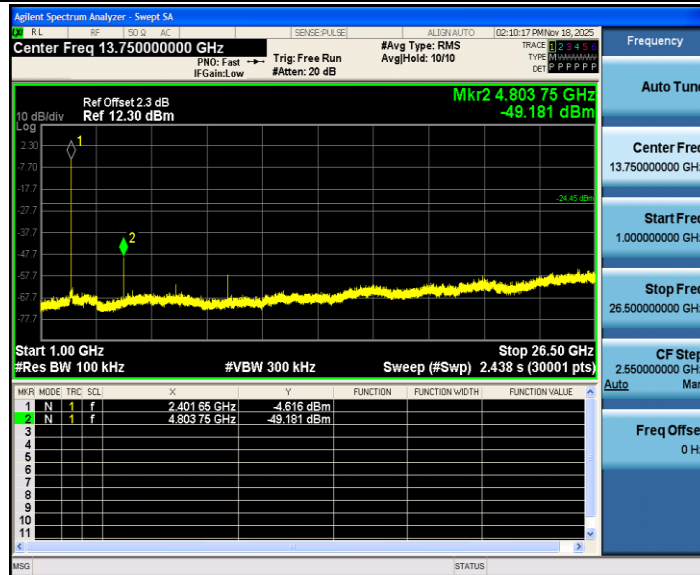
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference