

FCC Appendix RF Test Data for BT

FCC ID : **AUSE100A-NALG**

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

EUT : **ELEVATE RECORD PLAYER**

Model Number : **E100A-NALG**

Report No. : **CTA25110501501**

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	0.951	2440.550	2441.501	---	---
		2480	0.954	2479.550	2480.504	---	---
2DH5	Ant1	2402	1.278	2401.382	2402.660	---	---
		2441	1.320	2440.349	2441.669	---	---
		2480	1.278	2479.382	2480.660	---	---
3DH5	Ant1	2402	1.275	2401.382	2402.657	---	---
		2441	1.323	2440.346	2441.669	---	---
		2480	1.335	2479.343	2480.678	---	---

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

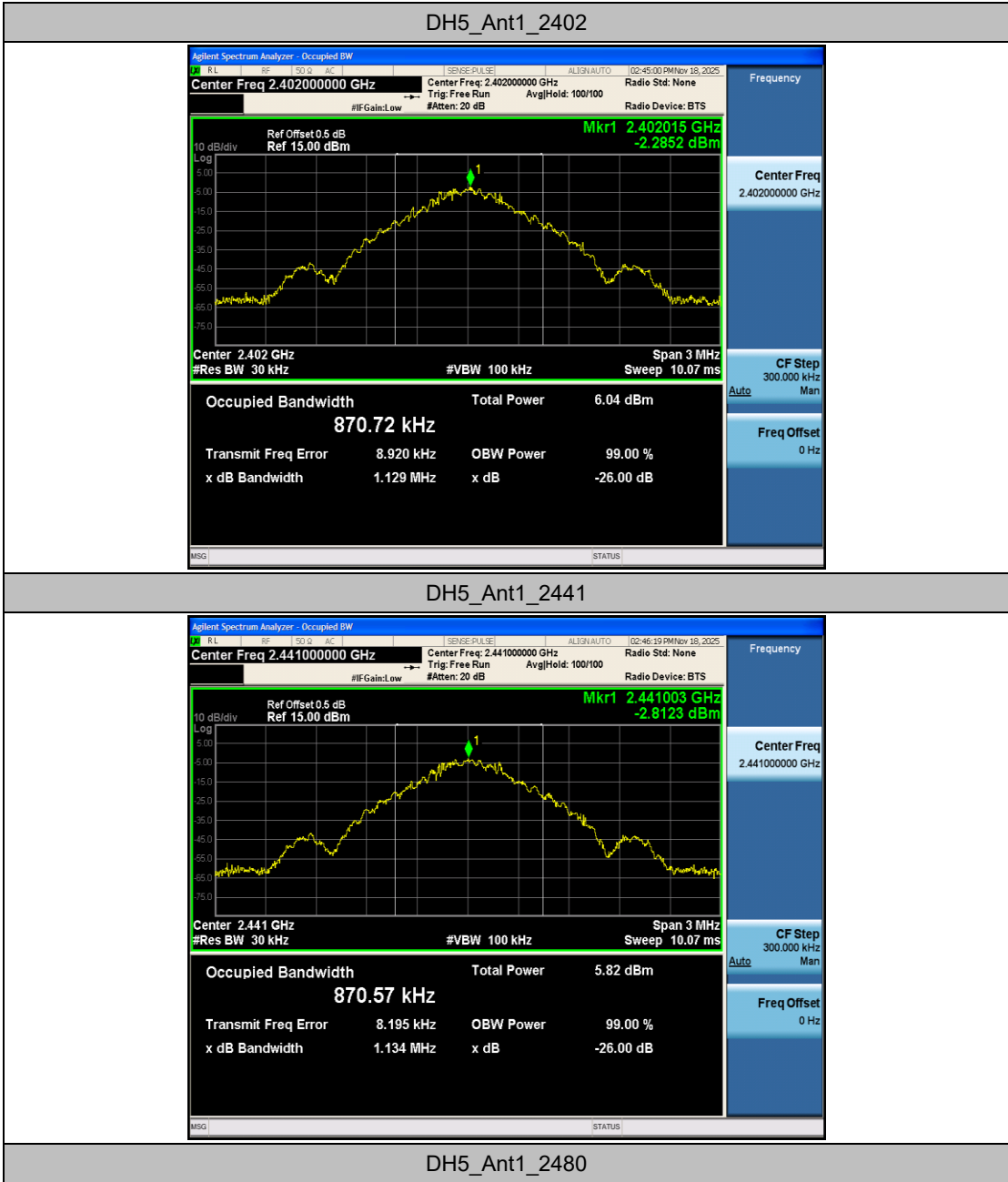


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87072	2401.5736	2402.4443	---	---
		2441	0.87057	2440.5729	2441.4435	---	---
		2480	0.86822	2479.5722	2480.4405	---	---
2DH5	Ant1	2402	1.1877	2401.4172	2402.6049	---	---
		2441	1.1839	2440.4170	2441.6009	---	---
		2480	1.1889	2479.4167	2480.6056	---	---
3DH5	Ant1	2402	1.1867	2401.4181	2402.6048	---	---
		2441	1.1864	2440.4170	2441.6034	---	---
		2480	1.1807	2479.4196	2480.6003	---	---

Test Graphs

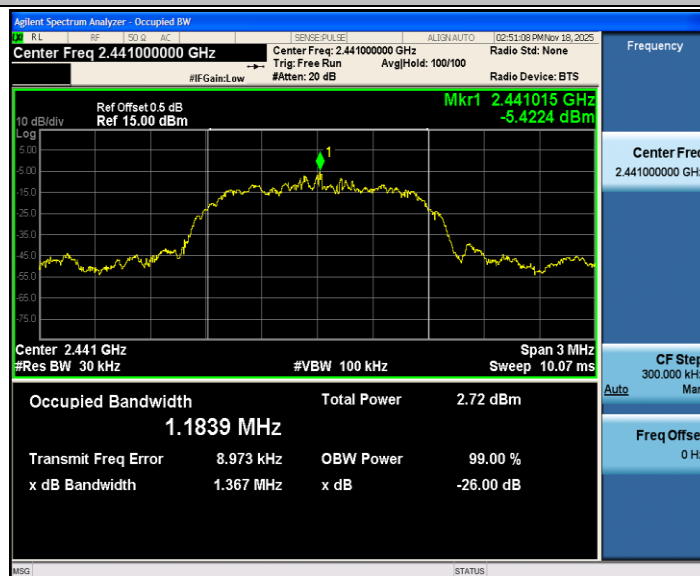




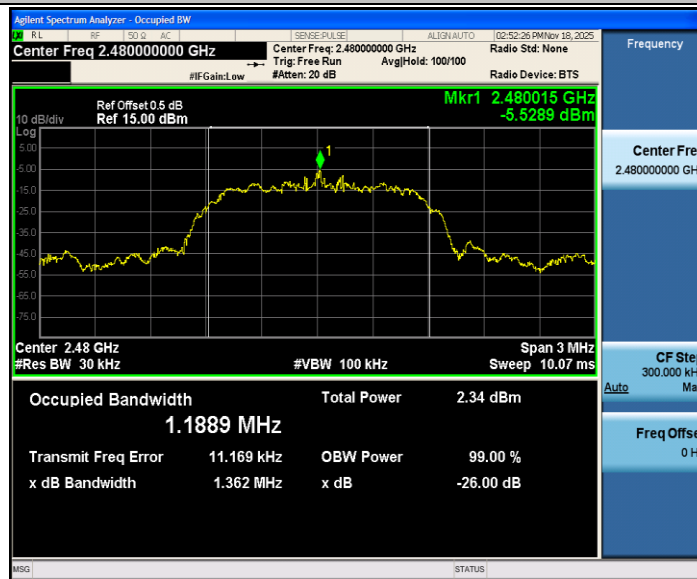
2DH5_Ant1_2402



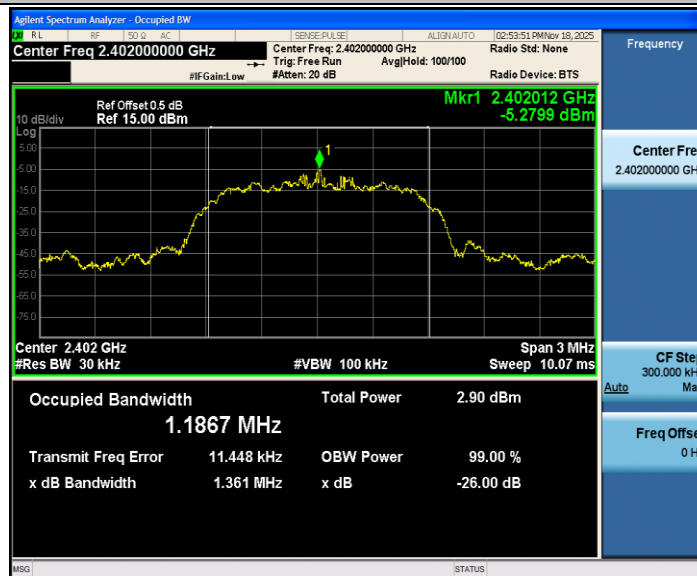
2DH5_Ant1_2441



2DH5_Ant1_2480



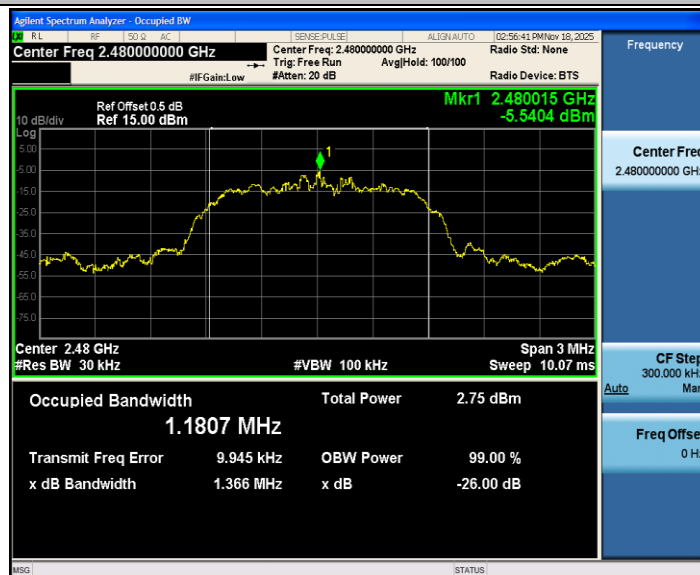
3DH5_Ant1_2402



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	0.12	≤20.97	PASS
		2441	-0.12	≤20.97	PASS
		2480	-0.18	≤20.97	PASS
2DH5	Ant1	2402	-0.70	≤20.97	PASS
		2441	-0.93	≤20.97	PASS
		2480	-0.97	≤20.97	PASS
3DH5	Ant1	2402	-0.67	≤20.97	PASS
		2441	-0.88	≤20.97	PASS
		2480	-0.97	≤20.97	PASS

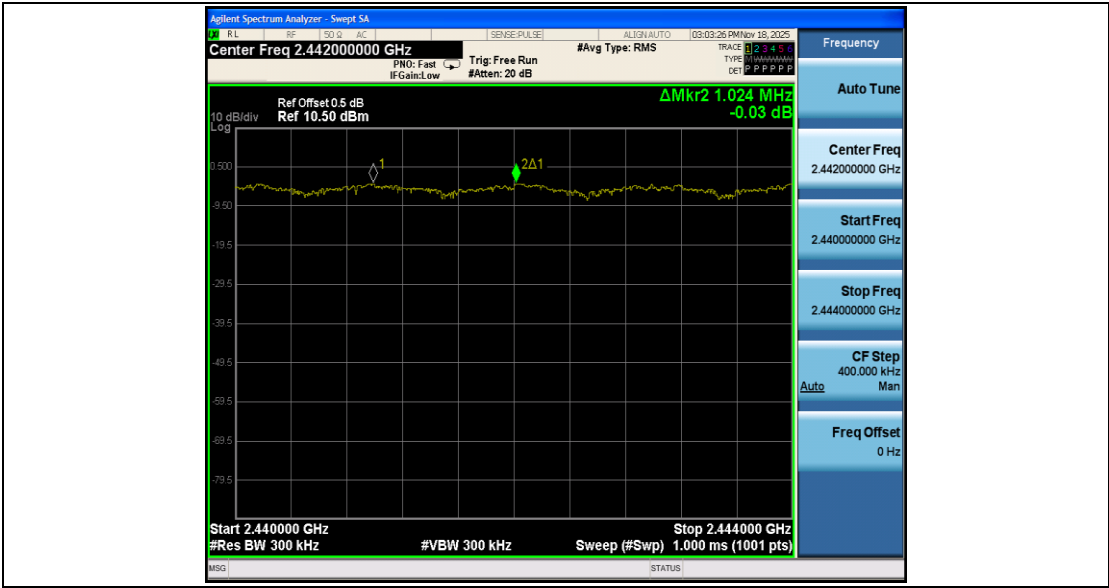
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.960	PASS
2DH5	Ant1	Hop	0.996	≥ 0.880	PASS
3DH5	Ant1	Hop	1.024	≥ 0.890	PASS

Test Graphs



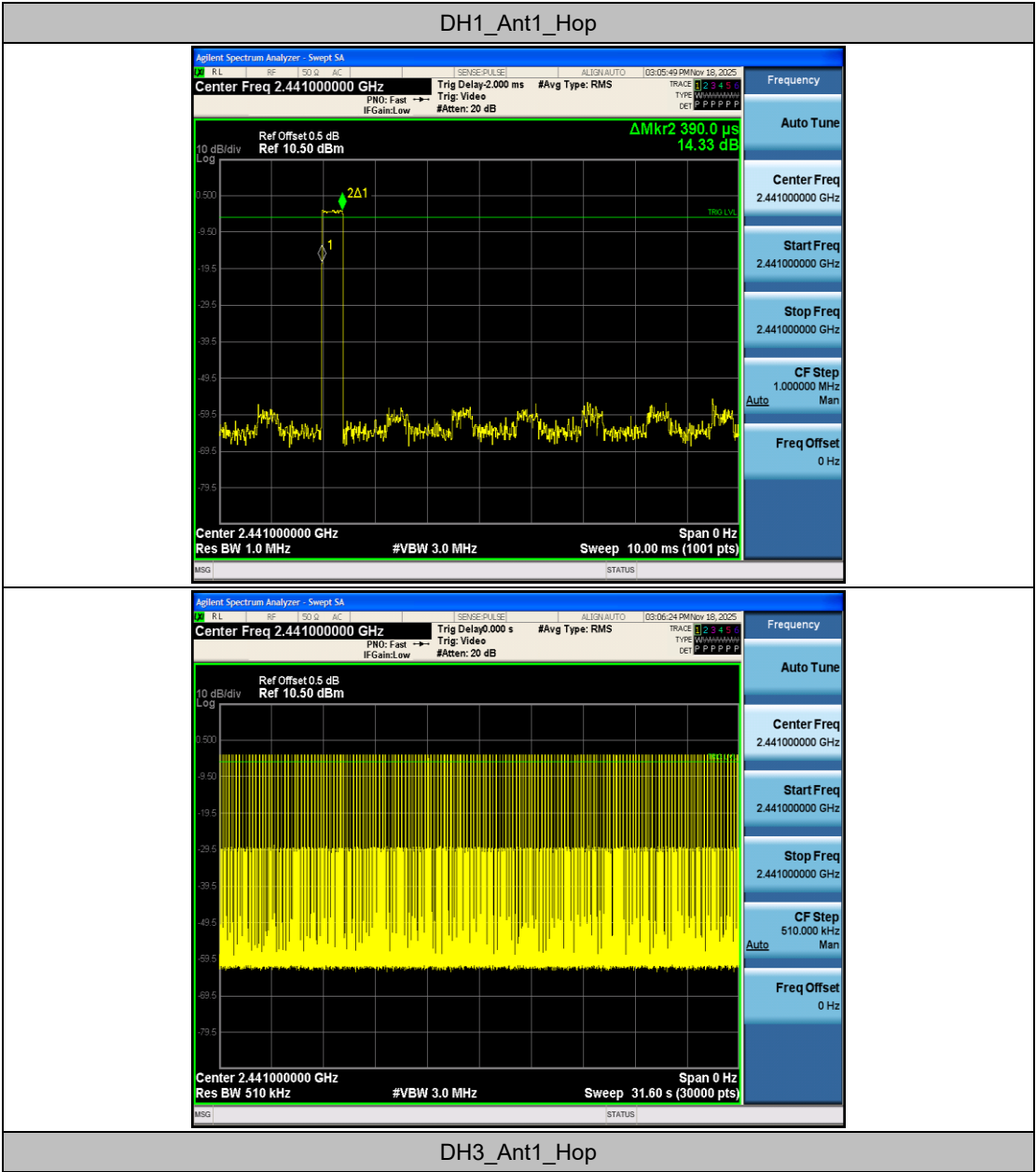


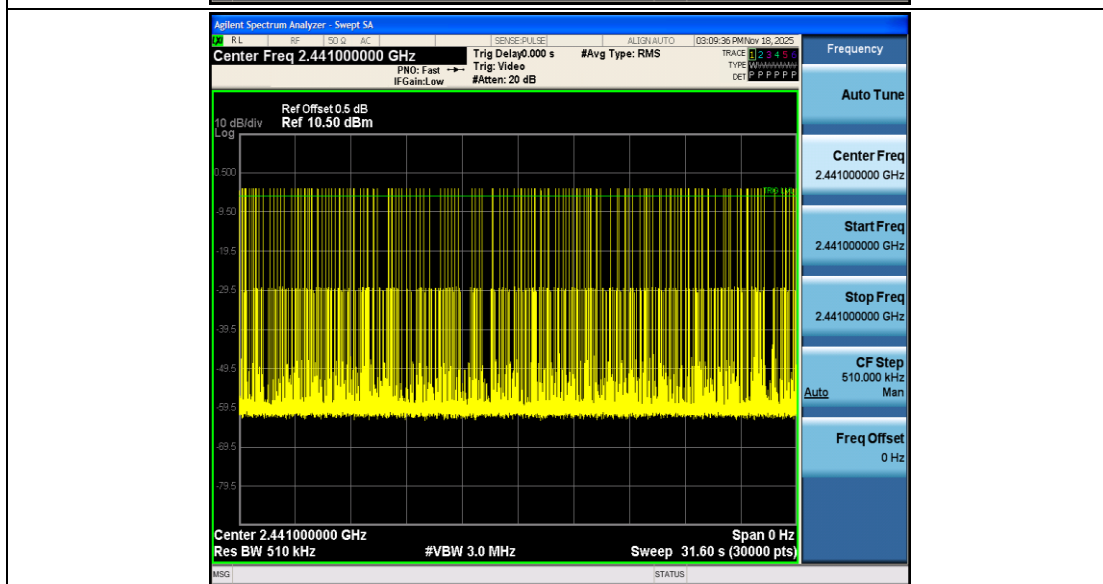
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.640	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.890	108	0.312	≤0.4	PASS
2DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.640	155	0.254	≤0.4	PASS
2DH5	Ant1	Hop	2.900	93	0.27	≤0.4	PASS
3DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.650	167	0.276	≤0.4	PASS
3DH5	Ant1	Hop	2.900	114	0.331	≤0.4	PASS

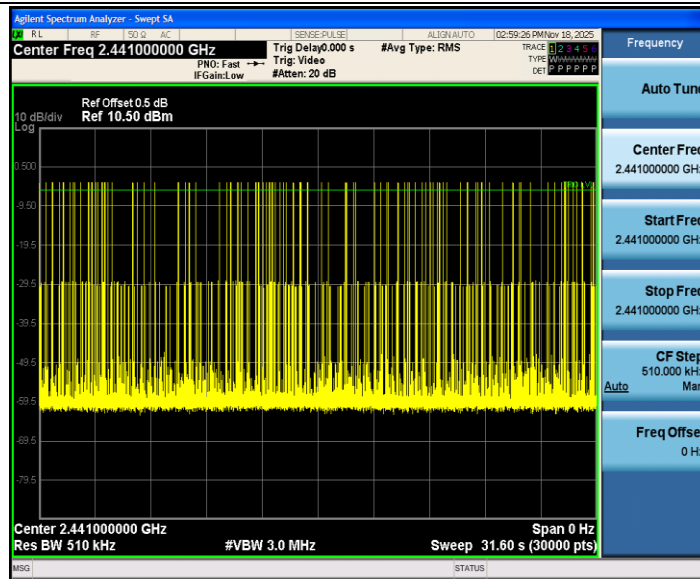
Test Graphs



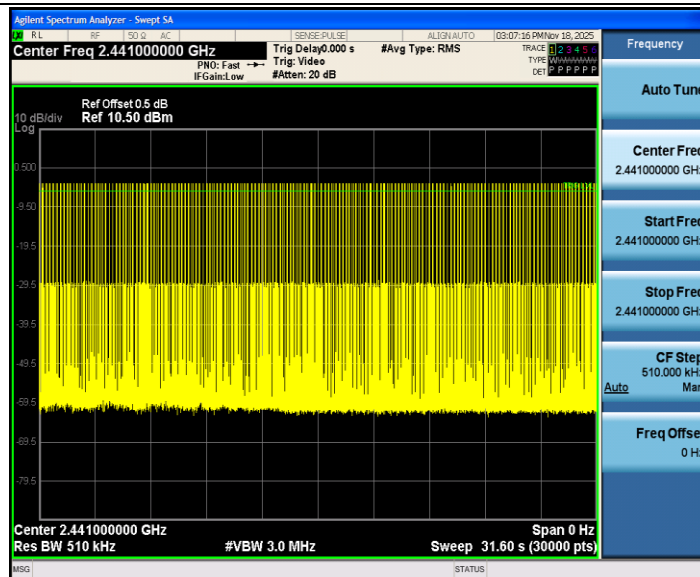
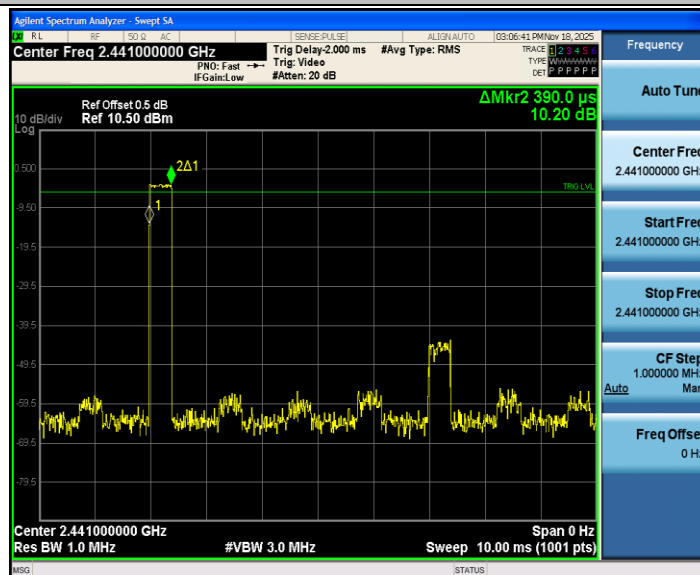


DH5_Ant1_Hop

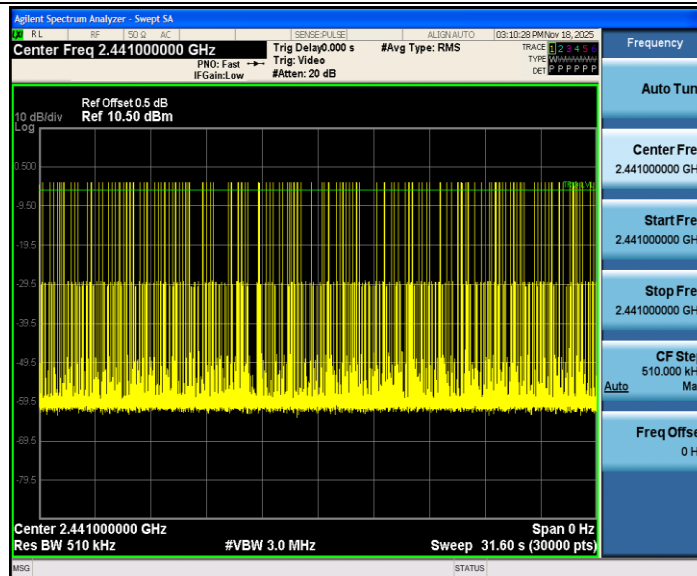




2DH1_Ant1_Hop

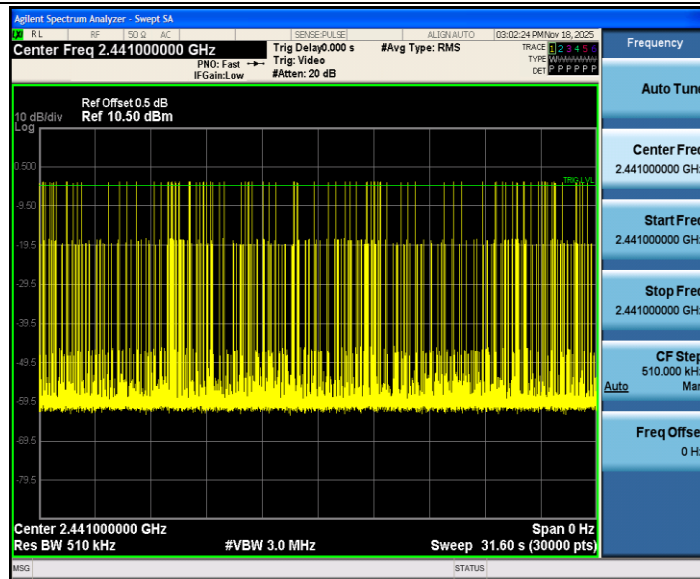


2DH3_Ant1_Hop

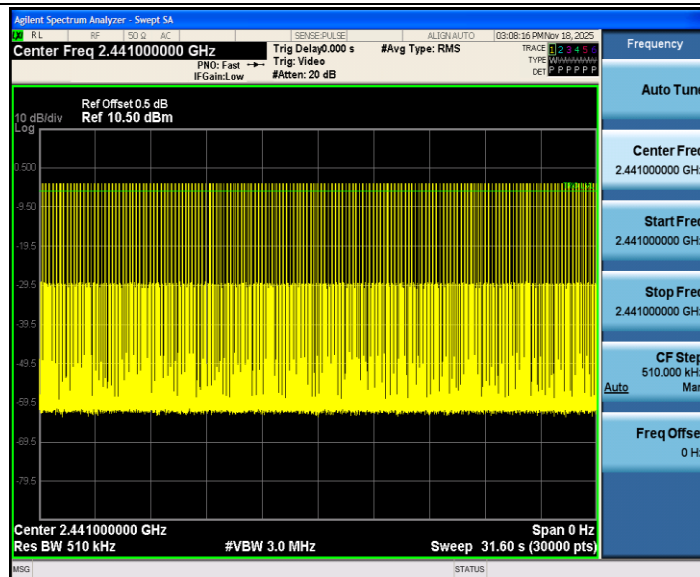
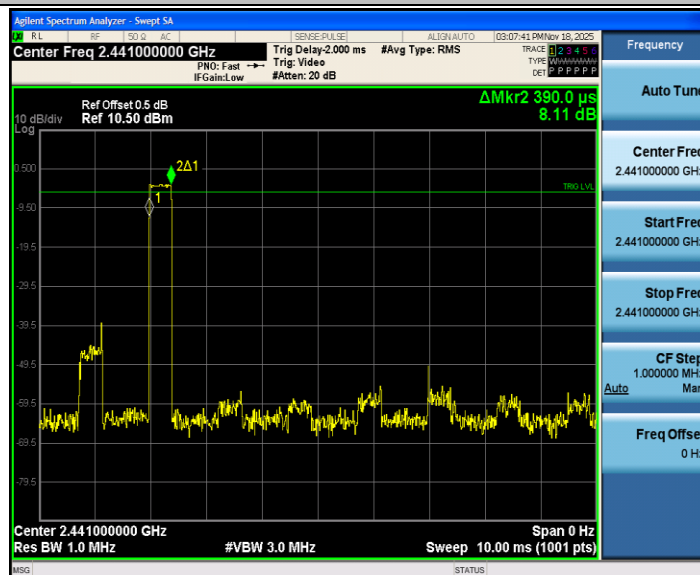


2DH5_Ant1_Hop

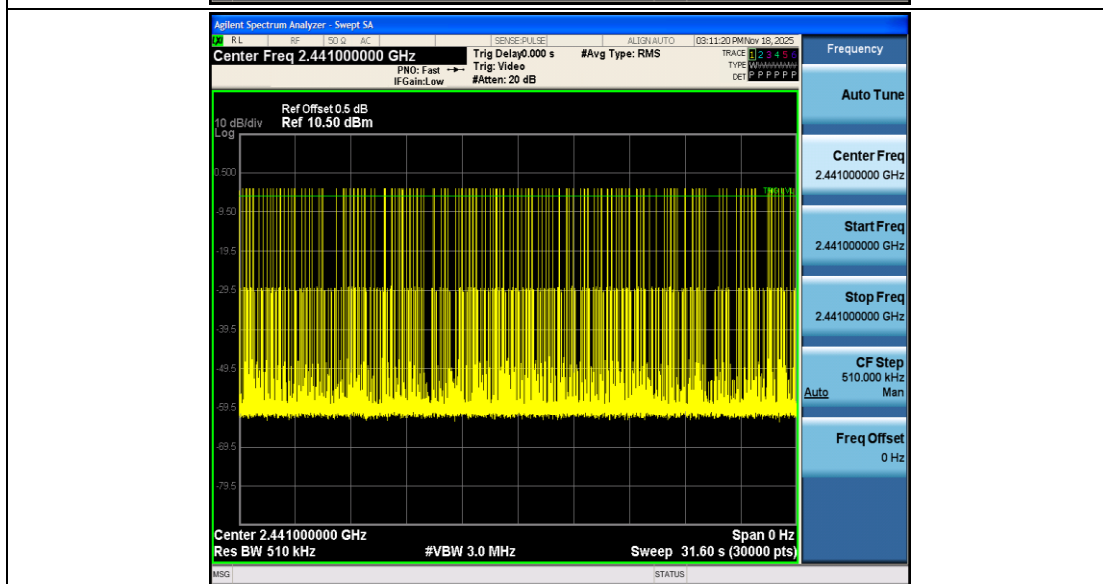




3DH1_Ant1_Hop

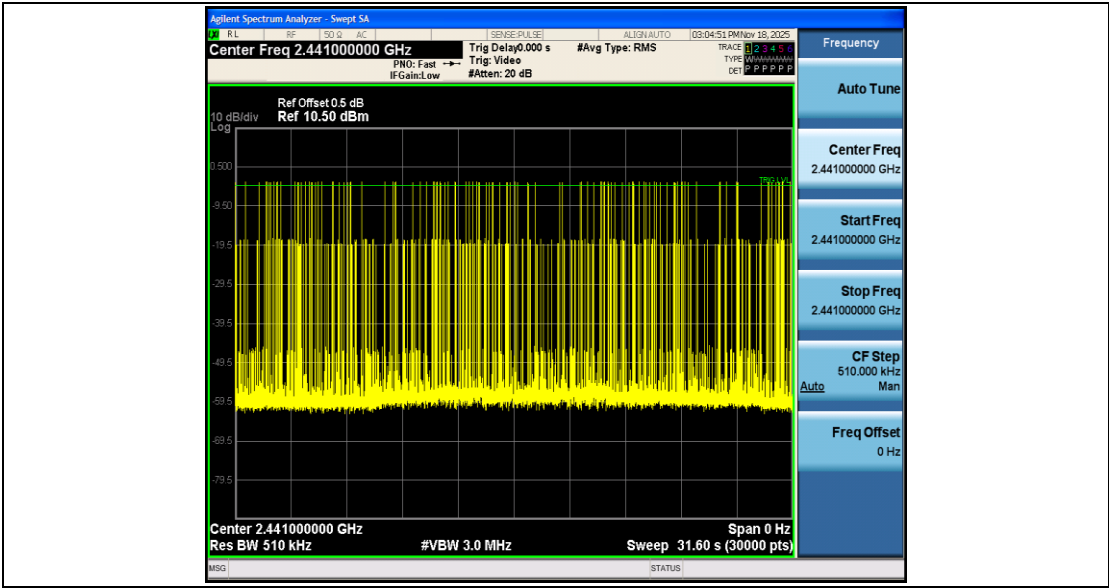


3DH3_Ant1_Hop



3DH5_Ant1_Hop





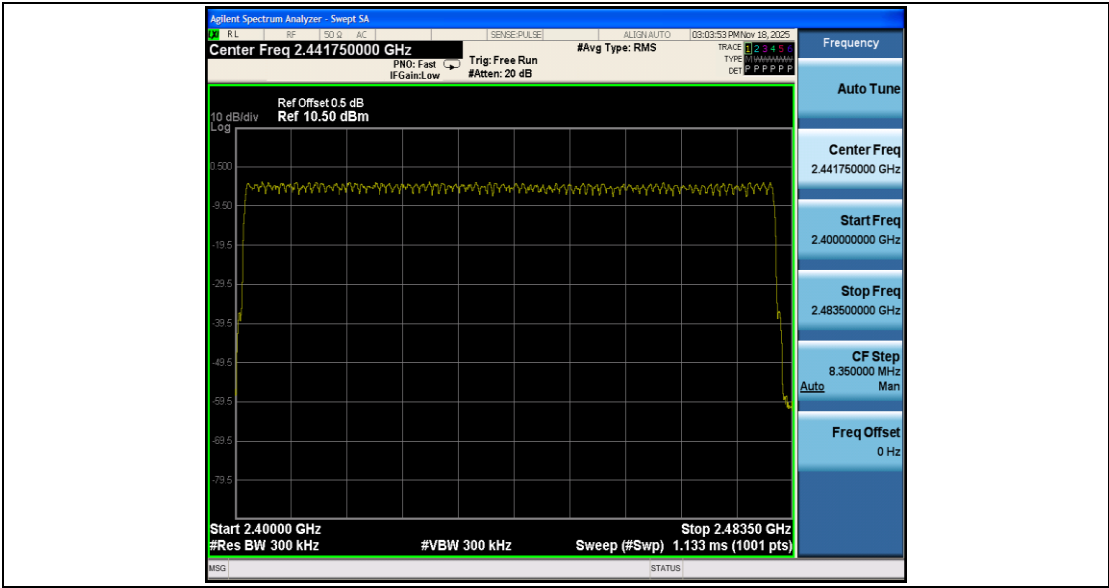
Appendix F: Number of hopping channels

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



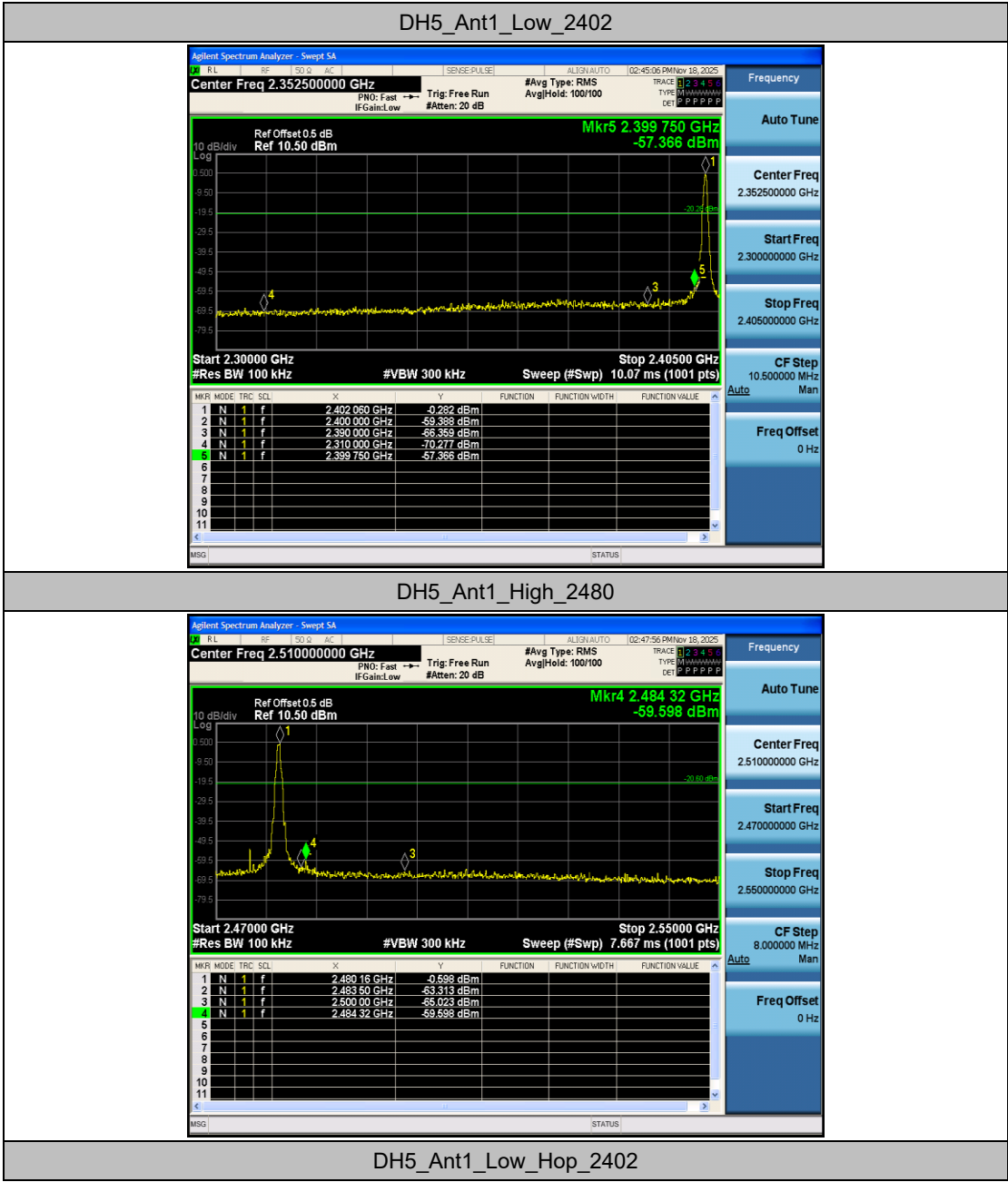


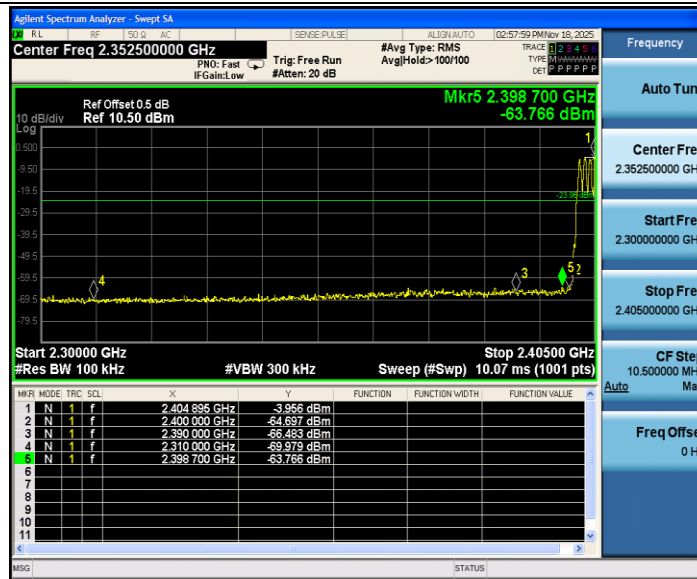
Appendix G: Band edge measurements

Test Result

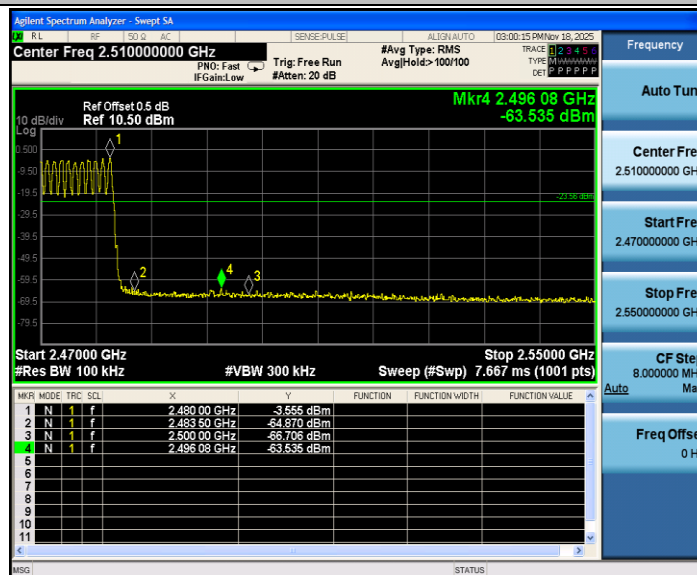
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.28	-57.37	≤-20.28	PASS
		High	2480	-0.60	-59.6	≤-20.6	PASS
		Low	Hop_2402	-3.96	-63.77	≤-23.96	PASS
		High	Hop_2480	-3.56	-63.54	≤-23.56	PASS
2DH5	Ant1	Low	2402	-4.51	-61.07	≤-24.51	PASS
		High	2480	-4.54	-63.83	≤-24.54	PASS
		Low	Hop_2402	-3.96	-55.79	≤-23.96	PASS
		High	Hop_2480	-3.99	-52.69	≤-23.99	PASS
3DH5	Ant1	Low	2402	-4.36	-60.83	≤-24.36	PASS
		High	2480	-6.03	-63.93	≤-26.03	PASS
		Low	Hop_2402	-6.16	-61.42	≤-26.16	PASS
		High	Hop_2480	-5.13	-56.16	≤-25.13	PASS

Test Graphs

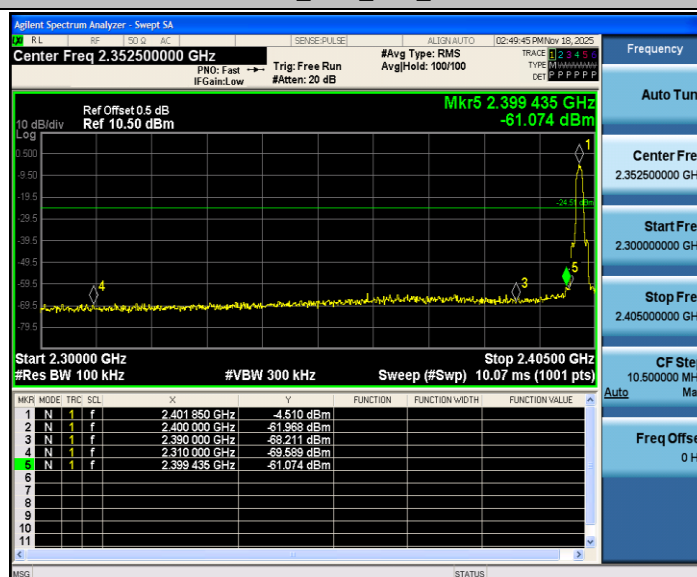




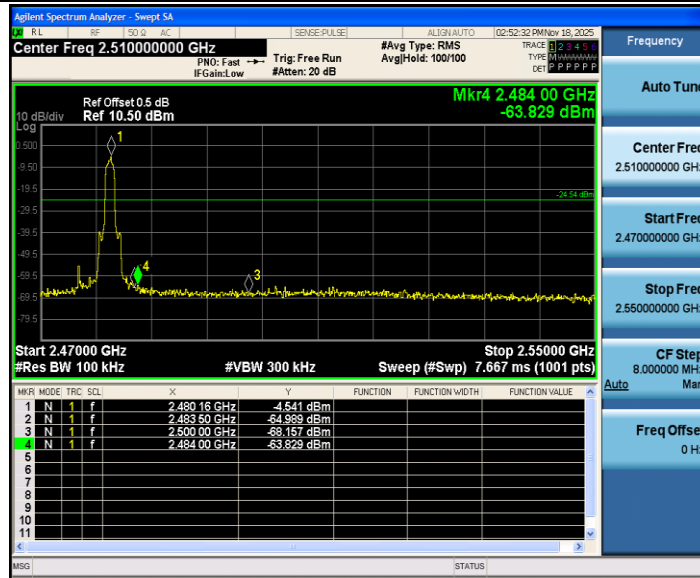
DH5_Ant1_High_Hop_2480



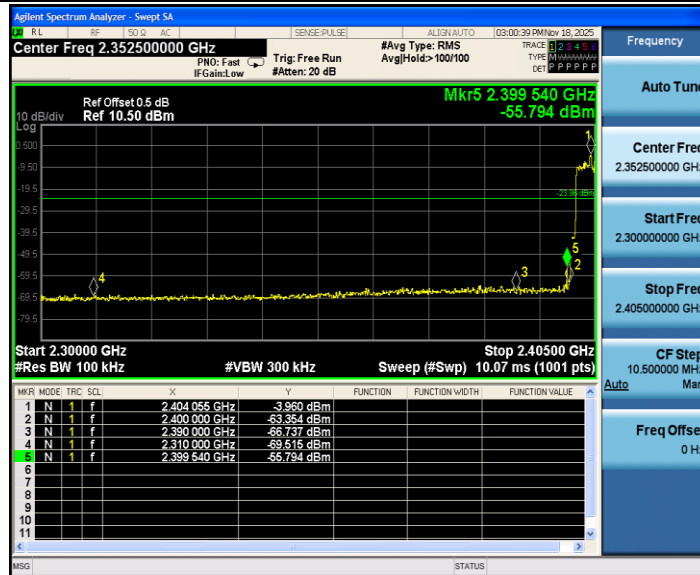
2DH5_Ant1_Low_2402



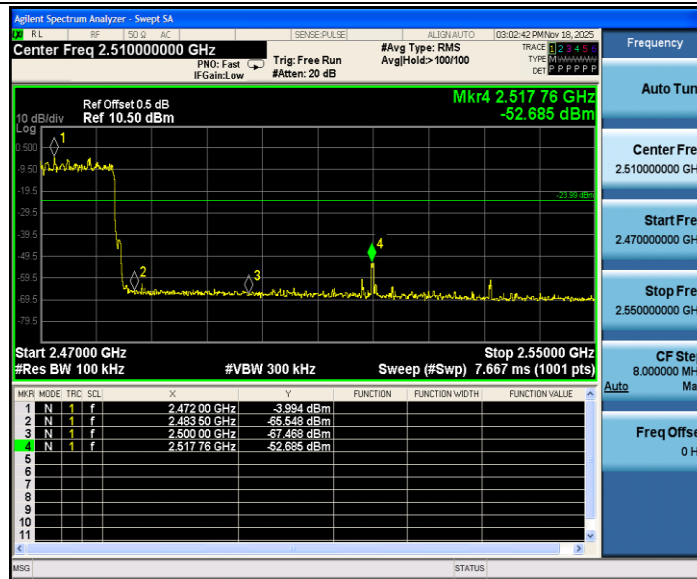
2DH5_Ant1_High_2480



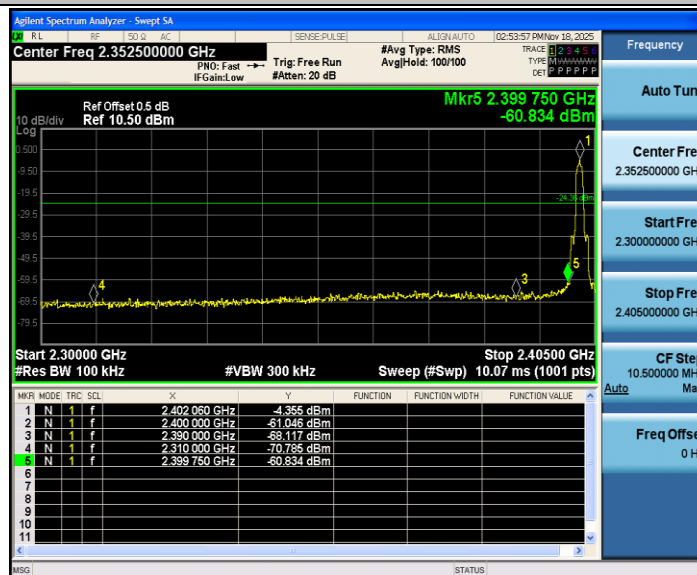
2DH5_Ant1_Low_Hop_2402



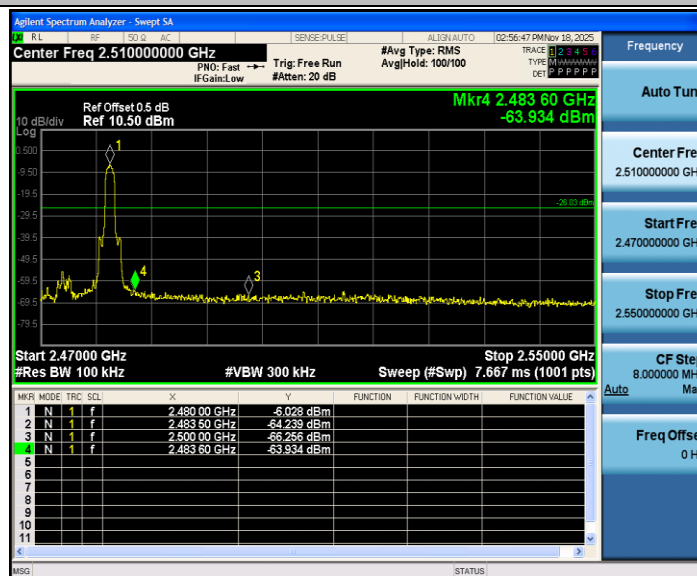
2DH5_Ant1_High_Hop_2480



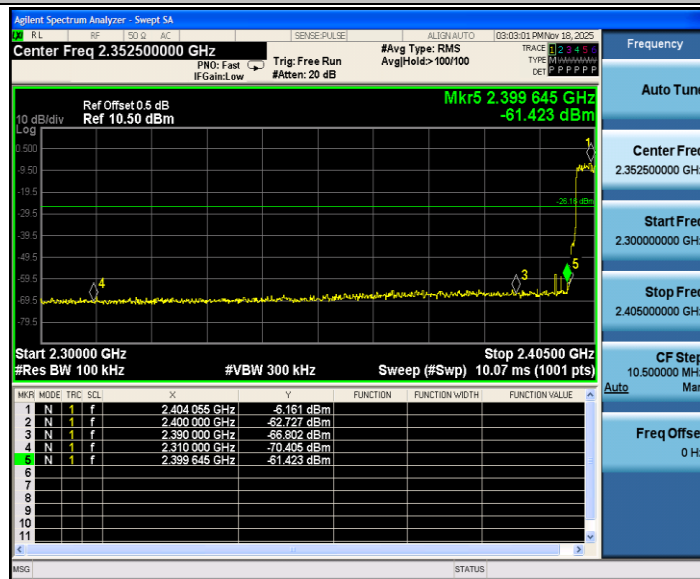
3DH5_Ant1_Low_2402



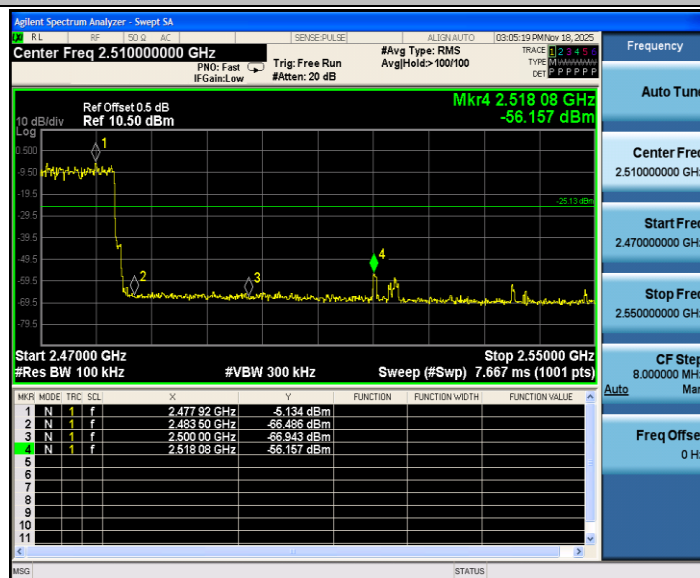
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

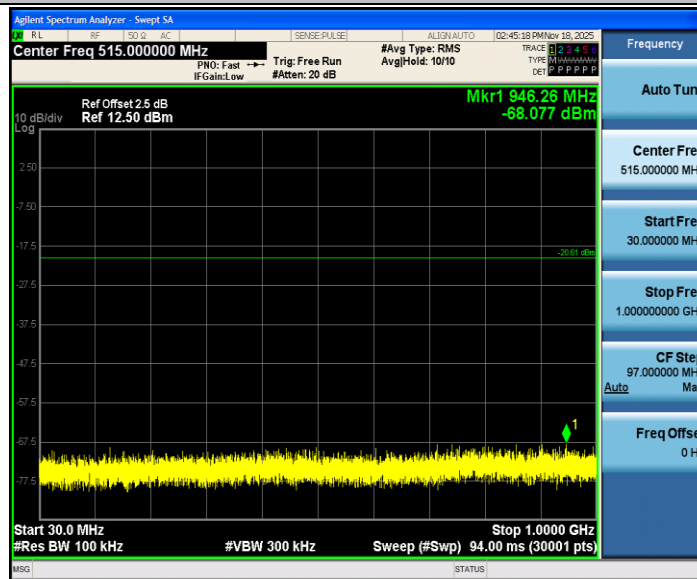
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.61	-0.61	---	PASS
			30~1000	-0.61	-68.08	≤-20.61	PASS
			1000~26500	-0.61	-40.64	≤-20.61	PASS
		2441	Reference	-0.65	-0.65	---	PASS
			30~1000	-0.65	-67.83	≤-20.65	PASS
			1000~26500	-0.65	-42.3	≤-20.65	PASS
		2480	Reference	-1.17	-1.17	---	PASS
			30~1000	-1.17	-68.08	≤-21.17	PASS
			1000~26500	-1.17	-43.34	≤-21.17	PASS
2DH5	Ant1	2402	Reference	-4.84	-4.84	---	PASS
			30~1000	-4.84	-67.36	≤-24.84	PASS
			1000~26500	-4.84	-44.97	≤-24.84	PASS
		2441	Reference	-6.11	-6.11	---	PASS
			30~1000	-6.11	-62.14	≤-26.11	PASS
			1000~26500	-6.11	-49.86	≤-26.11	PASS
		2480	Reference	-5.05	-5.05	---	PASS
			30~1000	-5.05	-67.44	≤-25.05	PASS
			1000~26500	-5.05	-49.31	≤-25.05	PASS
3DH5	Ant1	2402	Reference	-6.14	-6.14	---	PASS
			30~1000	-6.14	-67.94	≤-26.14	PASS
			1000~26500	-6.14	-49.89	≤-26.14	PASS
		2441	Reference	-6.04	-6.04	---	PASS
			30~1000	-6.04	-67.55	≤-26.04	PASS
			1000~26500	-6.04	-42.22	≤-26.04	PASS
		2480	Reference	-4.97	-4.97	---	PASS
			30~1000	-4.97	-63.88	≤-24.97	PASS
			1000~26500	-4.97	-50.17	≤-24.97	PASS

Test Graphs

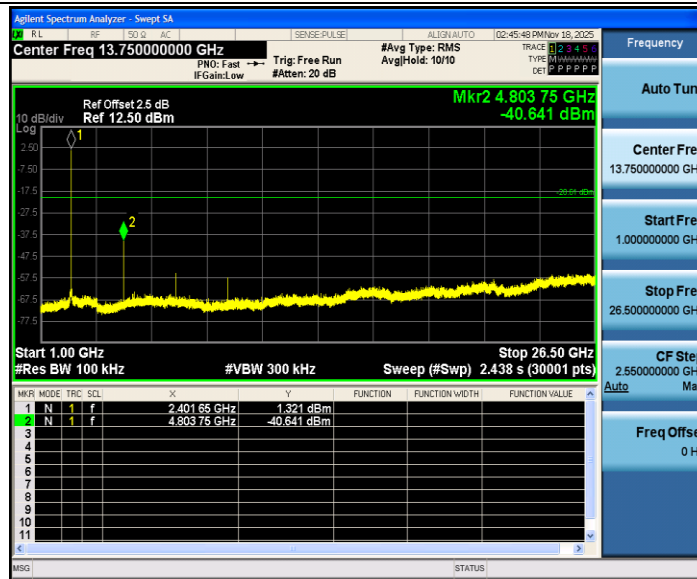
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

