

FCC Appendix RF Test Data for BT

FCC ID : 2AXCX-NT710

Company : Shenzhen Foxwell Technology Co., Ltd

EUT : Multi-System Tablet Scanner

Model Number : NT710

Report No. : CTA25091901602

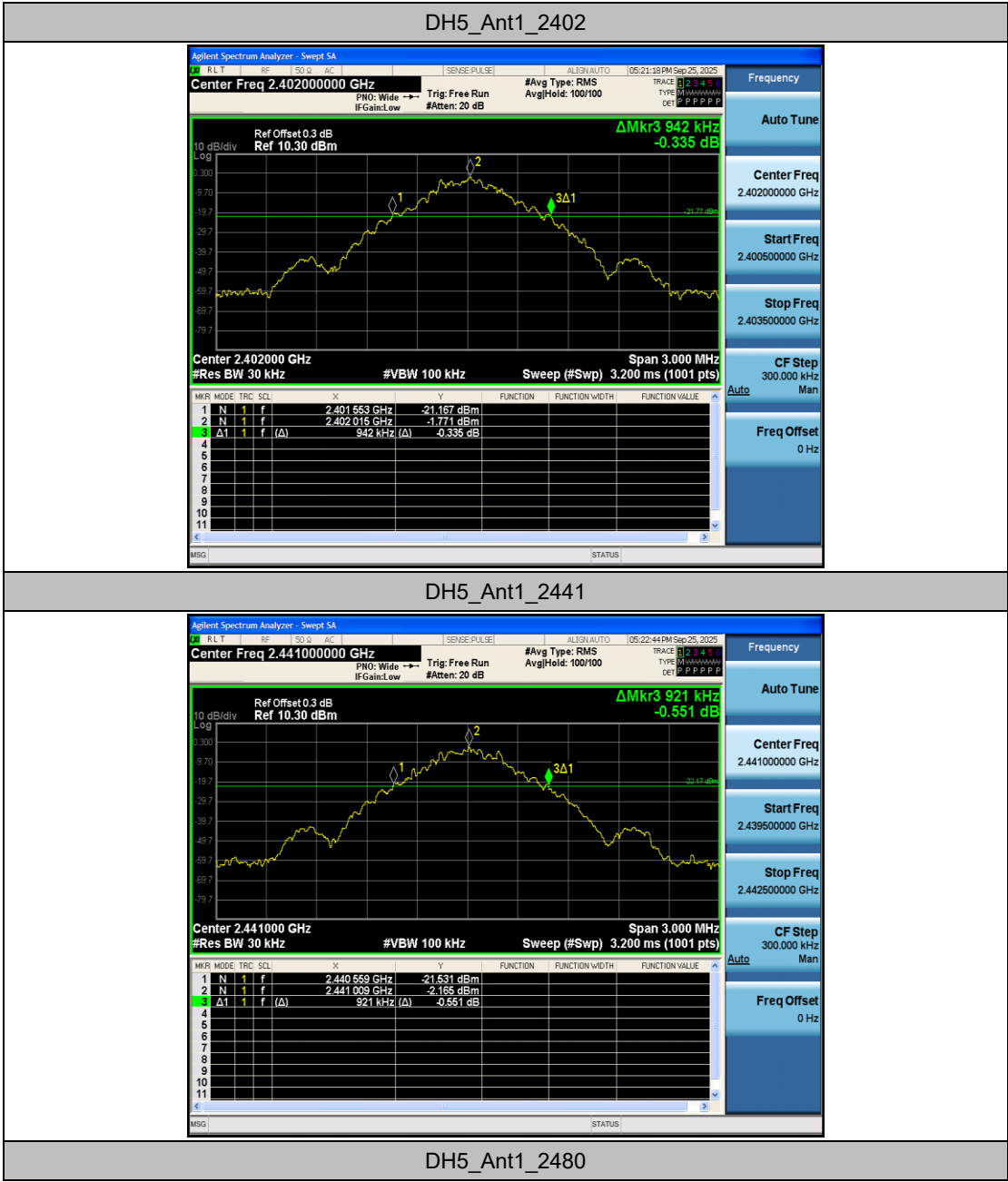
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.553	2402.495	---	---
		2441	0.921	2440.559	2441.480	---	---
		2480	0.945	2479.553	2480.498	---	---
2DH5	Ant1	2402	1.308	2401.355	2402.663	---	---
		2441	1.278	2440.385	2441.663	---	---
		2480	1.278	2479.382	2480.660	---	---
3DH5	Ant1	2402	1.338	2401.340	2402.678	---	---
		2441	1.284	2440.379	2441.663	---	---
		2480	1.311	2479.355	2480.666	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

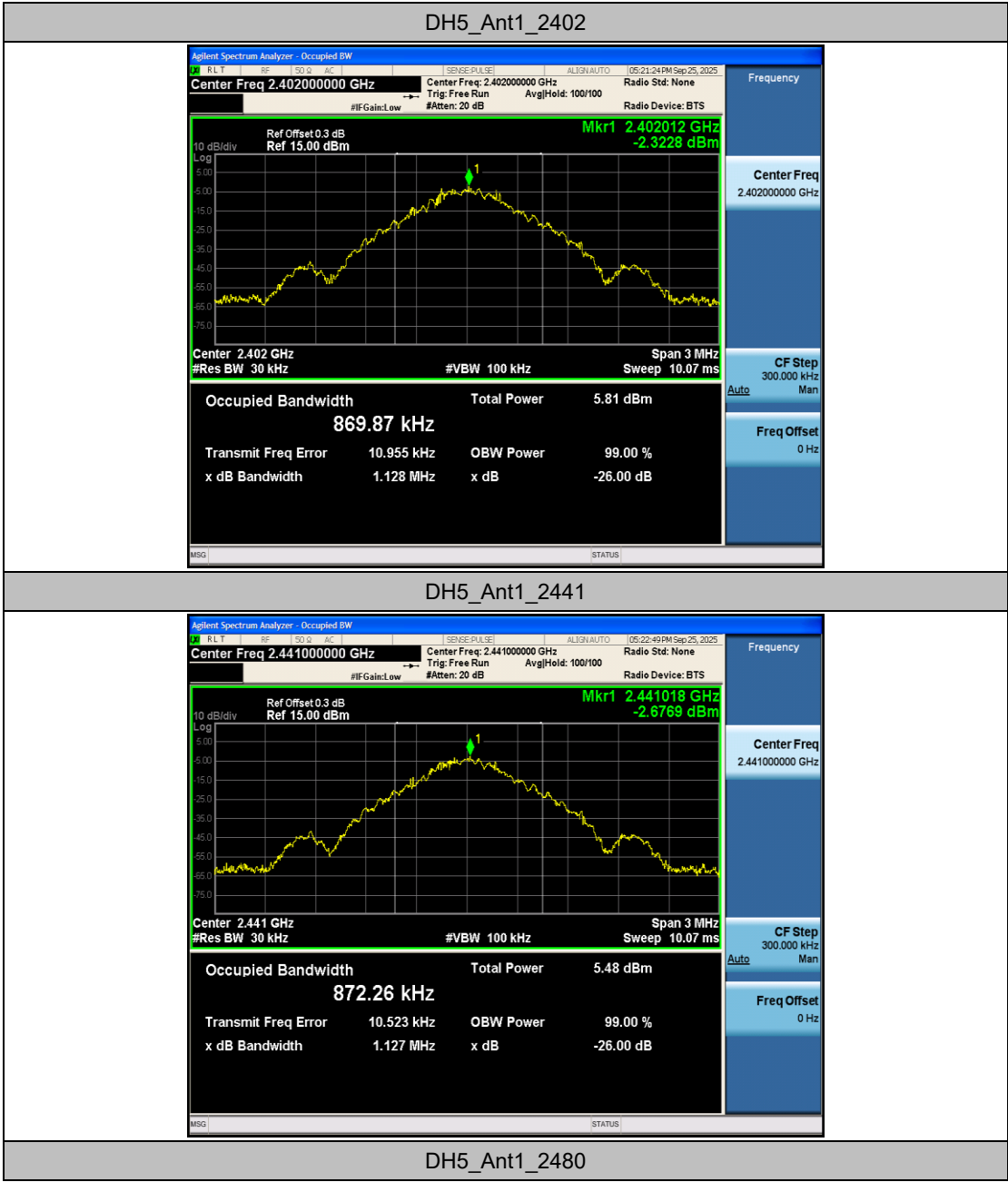


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86987	2401.5760	2402.4459	---	---
		2441	0.87226	2440.5744	2441.4467	---	---
		2480	0.87098	2479.5748	2480.4458	---	---
2DH5	Ant1	2402	1.1910	2401.4166	2402.6076	---	---
		2441	1.1960	2440.4129	2441.6089	---	---
		2480	1.1942	2479.4144	2480.6086	---	---
3DH5	Ant1	2402	1.1964	2401.4132	2402.6096	---	---
		2441	1.1936	2440.4147	2441.6083	---	---
		2480	1.1898	2479.4161	2480.6059	---	---

Test Graphs

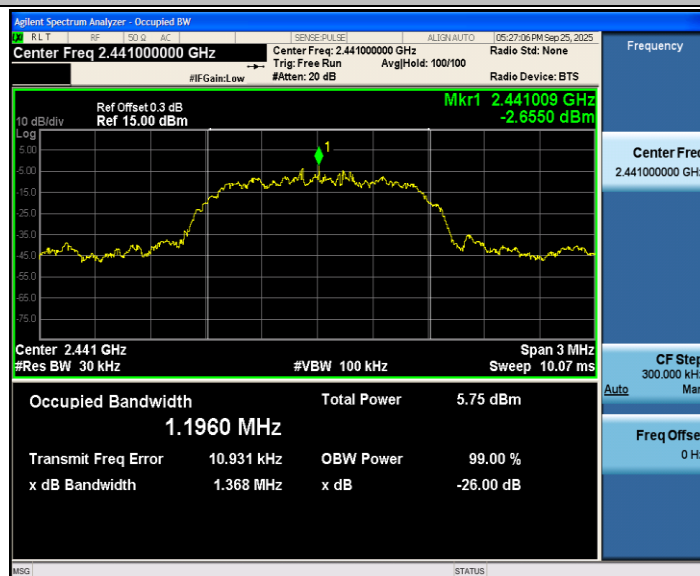




2DH5_Ant1_2402



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	-0.10	≤20.97	PASS
		2441	-0.35	≤20.97	PASS
		2480	-0.40	≤20.97	PASS
2DH5	Ant1	2402	2.61	≤20.97	PASS
		2441	2.32	≤20.97	PASS
		2480	2.26	≤20.97	PASS
3DH5	Ant1	2402	2.62	≤20.97	PASS
		2441	2.32	≤20.97	PASS
		2480	2.25	≤20.97	PASS

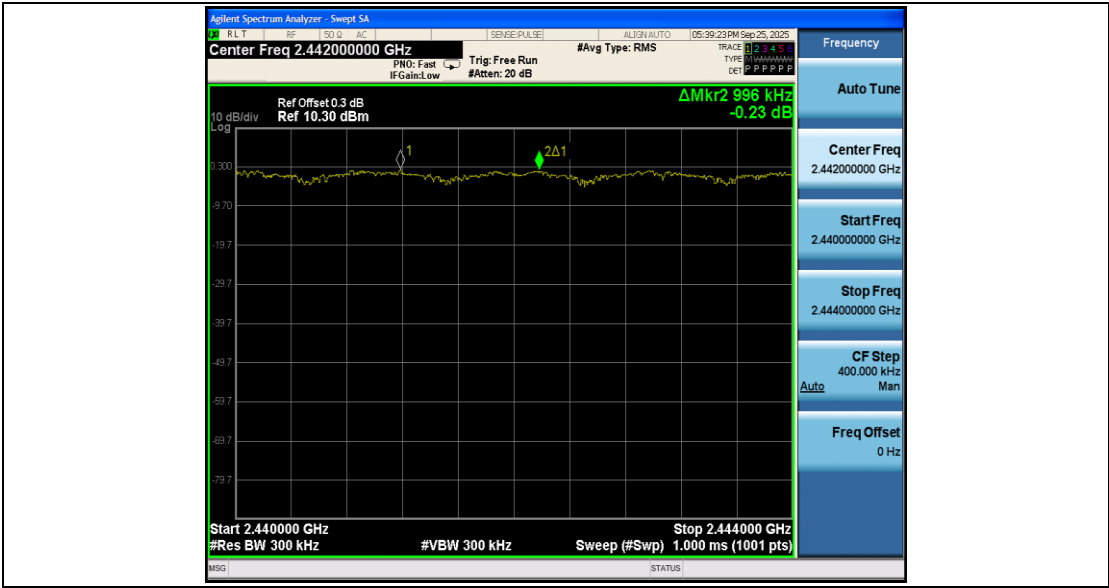
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.02	≥ 0.945	PASS
2DH5	Ant1	Hop	0.964	≥ 0.872	PASS
3DH5	Ant1	Hop	0.996	≥ 0.892	PASS

Test Graphs



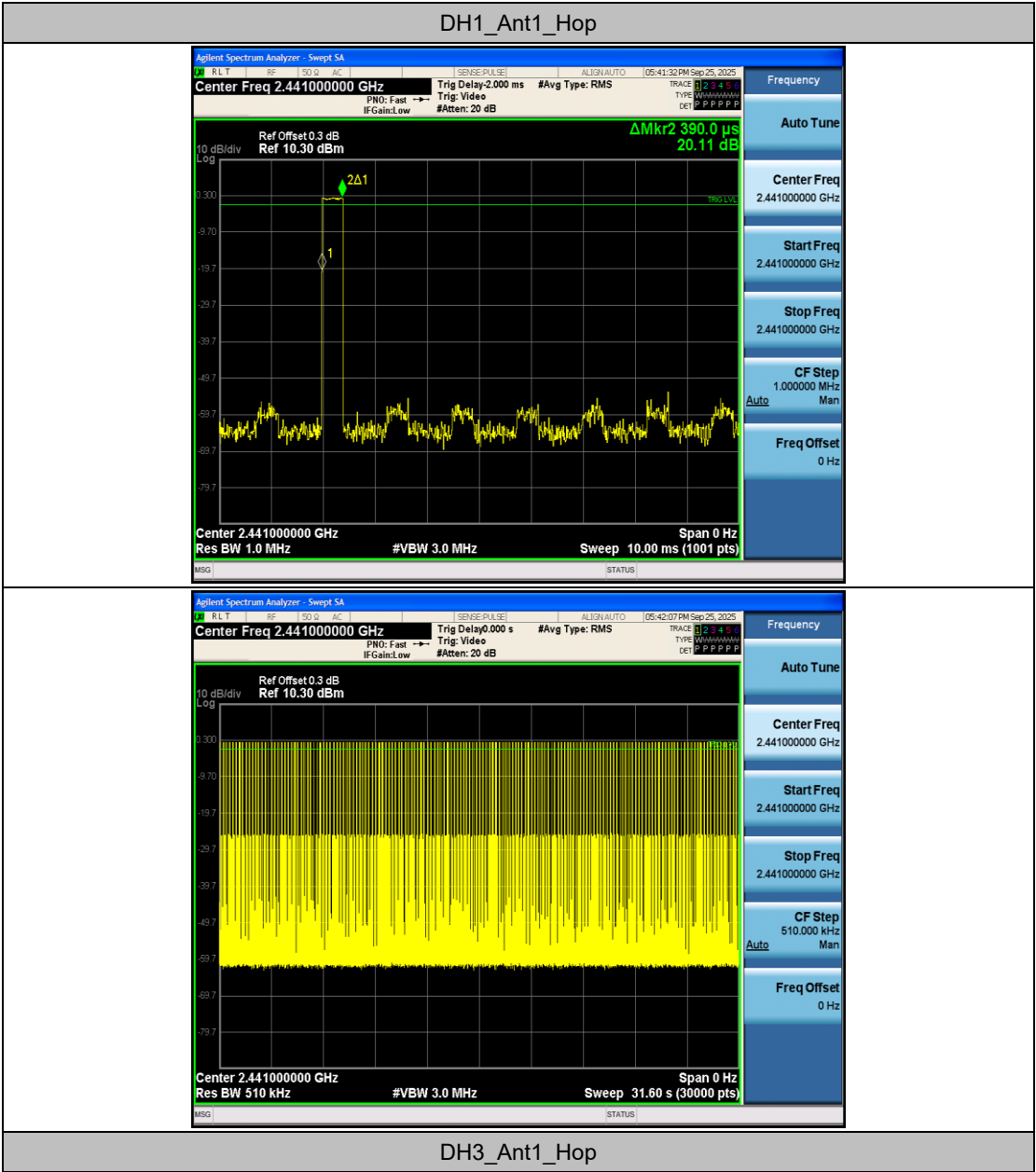


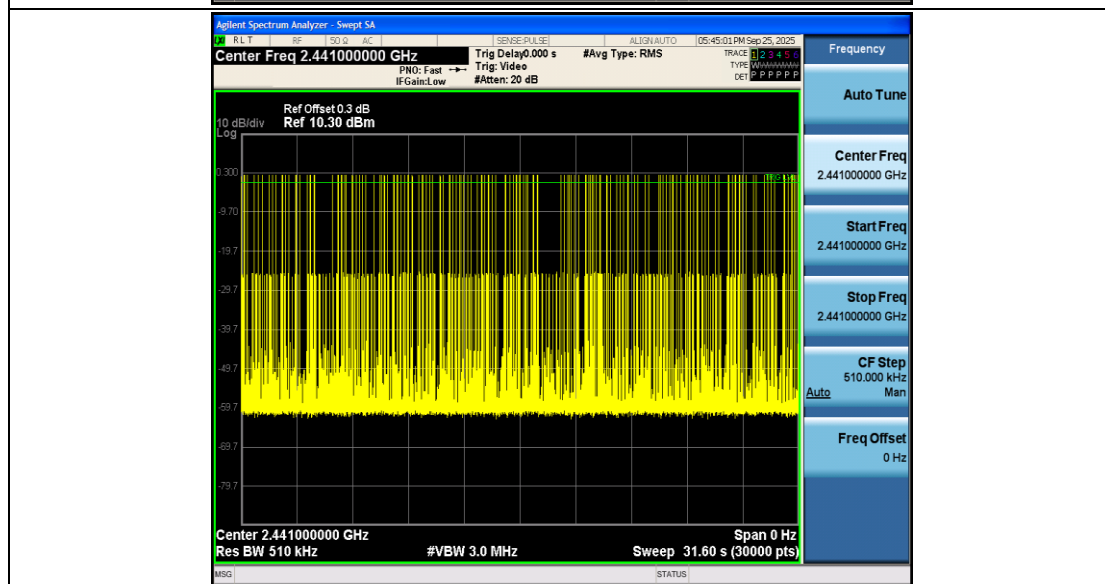
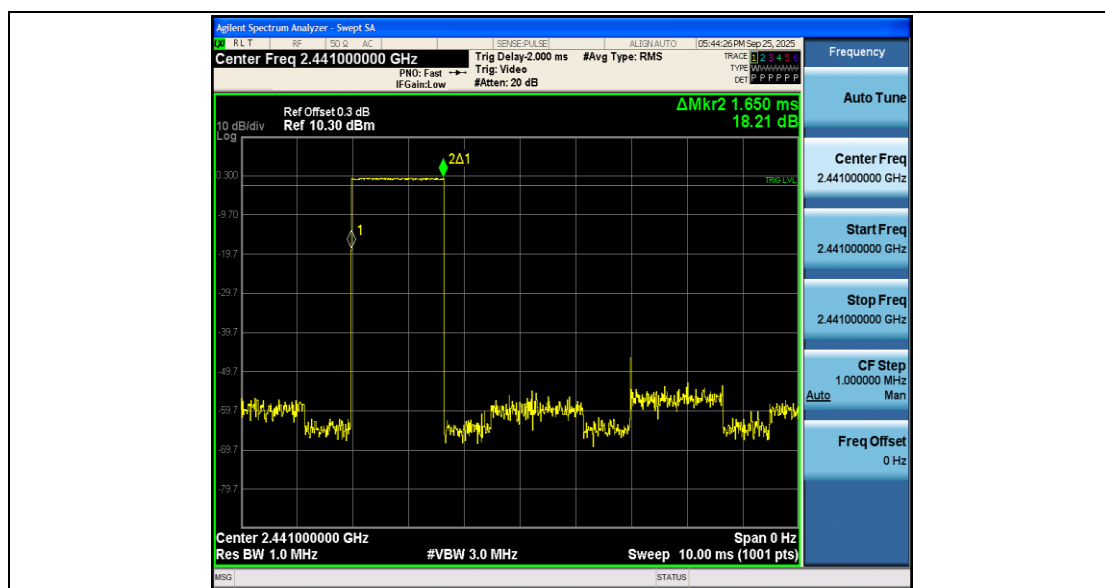
Appendix E: Time of occupancy

Test Result

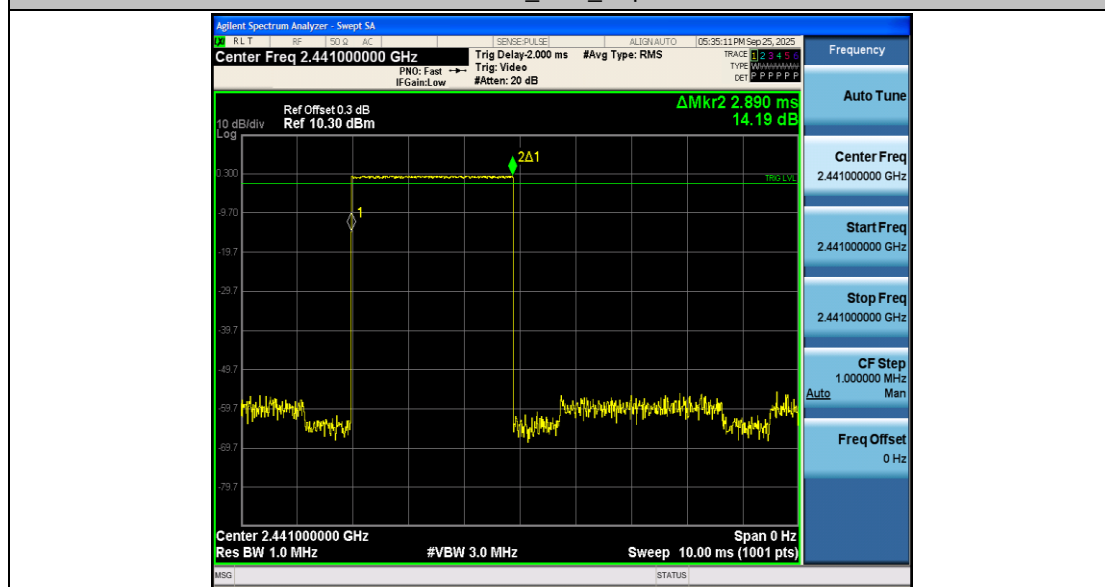
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.650	161	0.266	≤0.4	PASS
DH5	Ant1	Hop	2.890	112	0.324	≤0.4	PASS
2DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.640	159	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.900	109	0.316	≤0.4	PASS
3DH1	Ant1	Hop	0.390	316	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.640	162	0.266	≤0.4	PASS
3DH5	Ant1	Hop	2.900	107	0.31	≤0.4	PASS

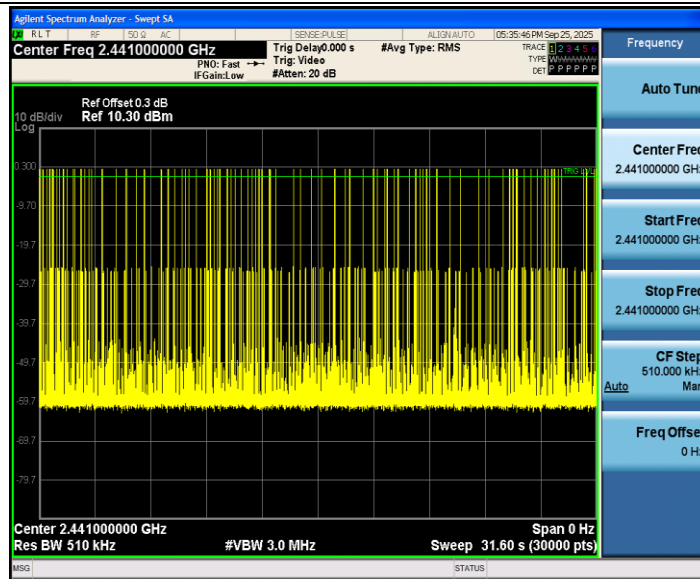
Test Graphs



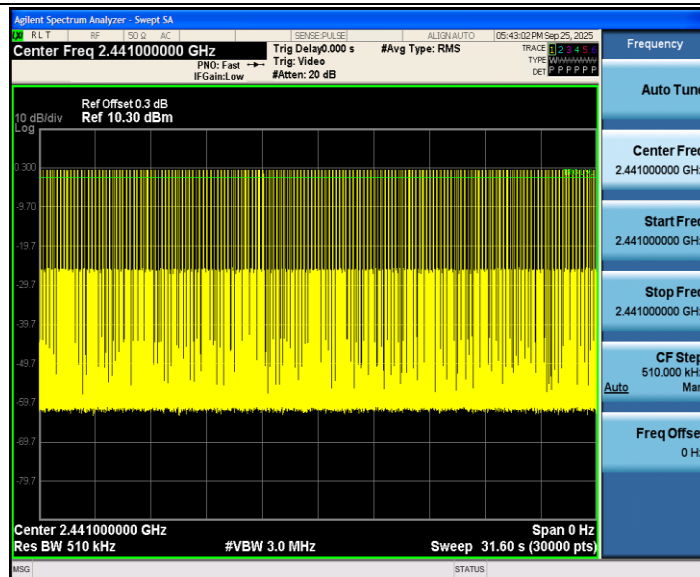
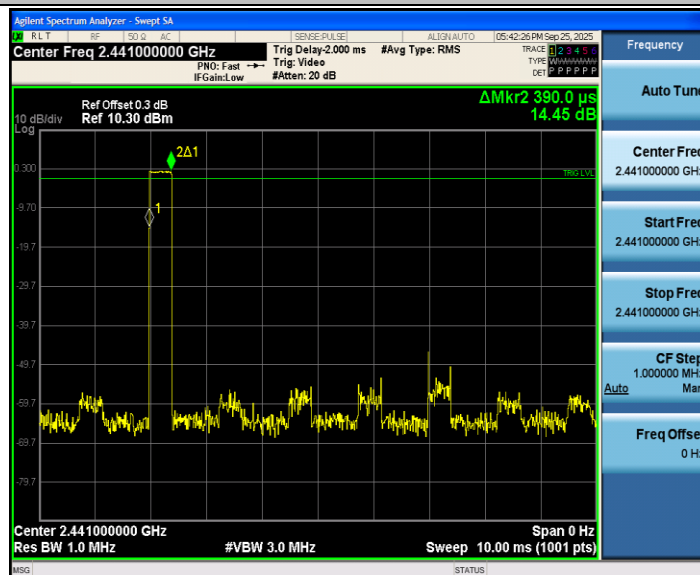


DH5_Ant1_Hop

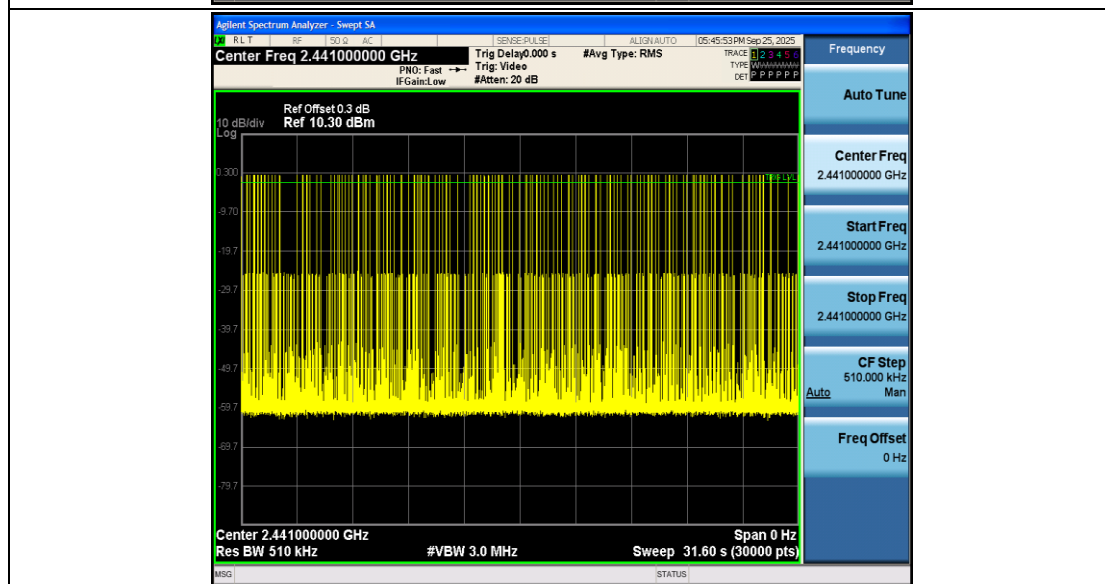




2DH1_Ant1_Hop

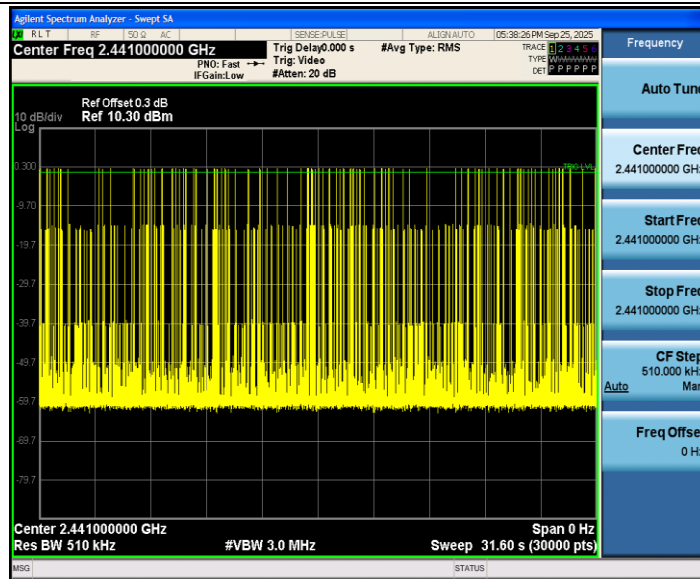


2DH3_Ant1_Hop

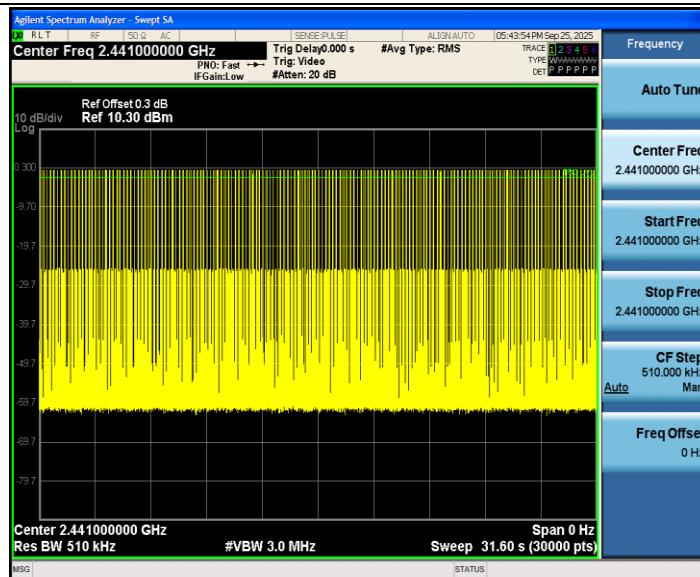
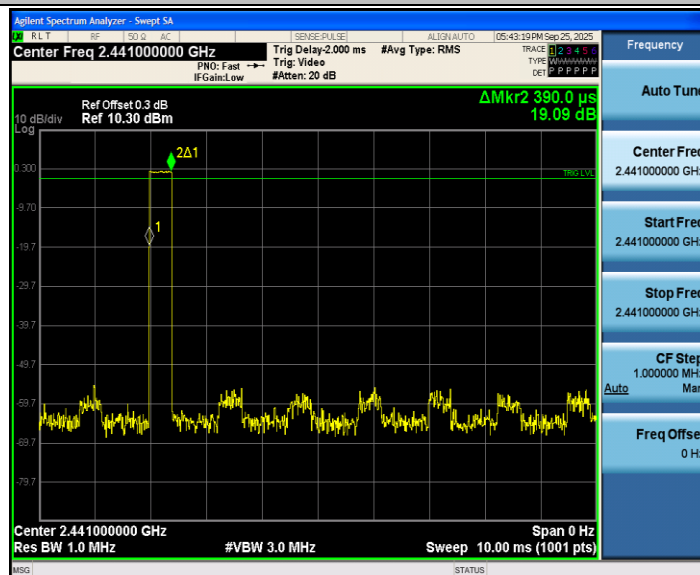


2DH5_Ant1_Hop

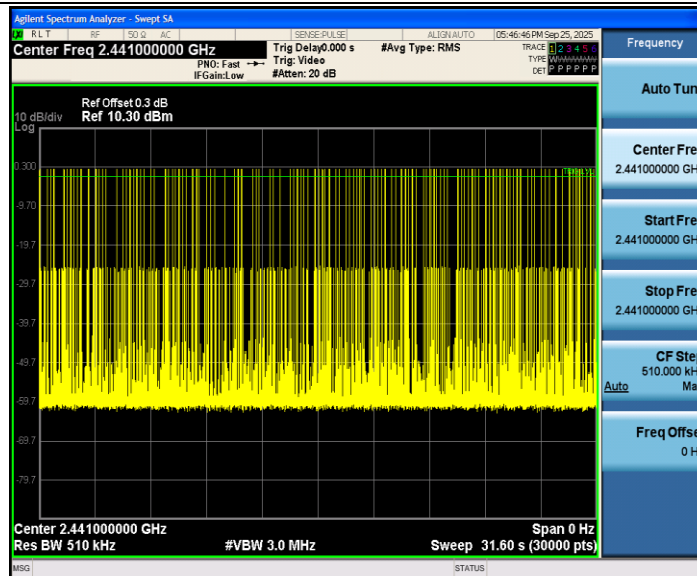
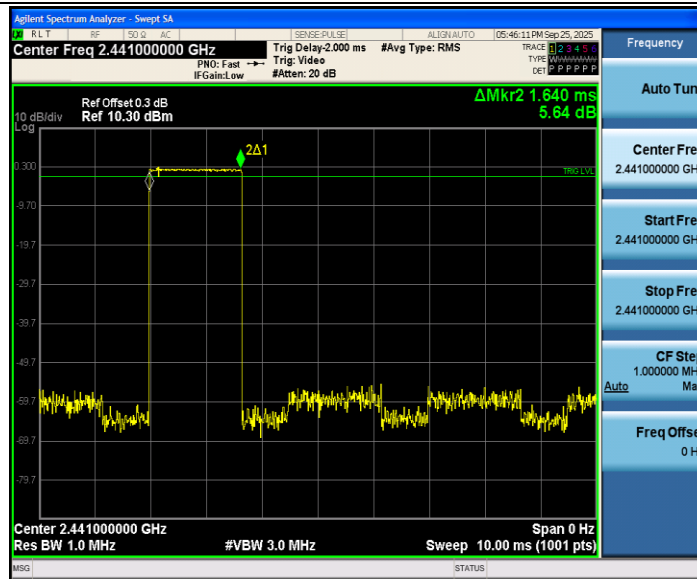




3DH1_Ant1_Hop

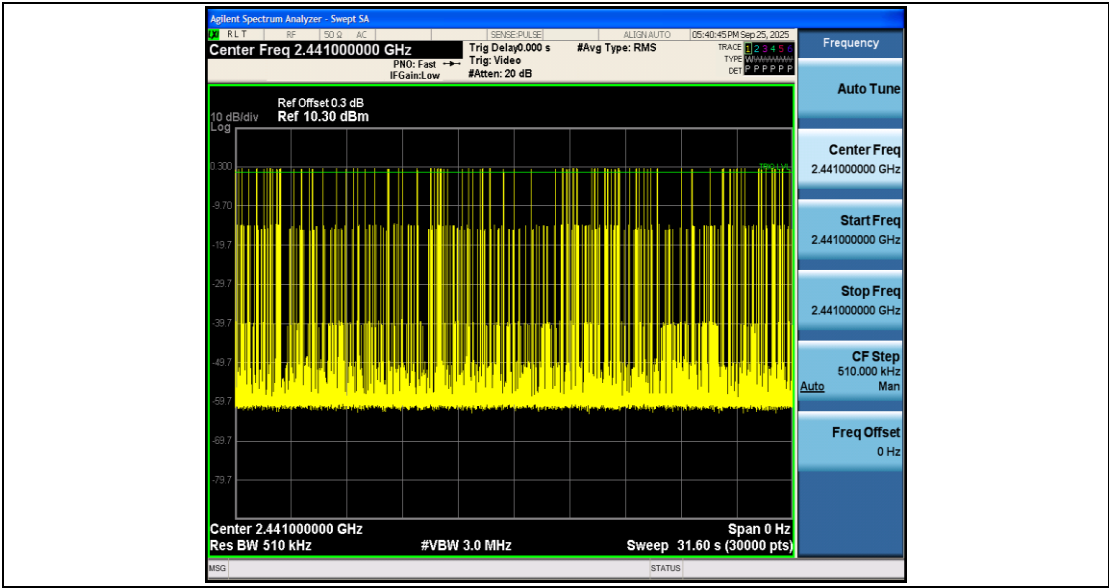


3DH3_Ant1_Hop



3DH5_Ant1_Hop





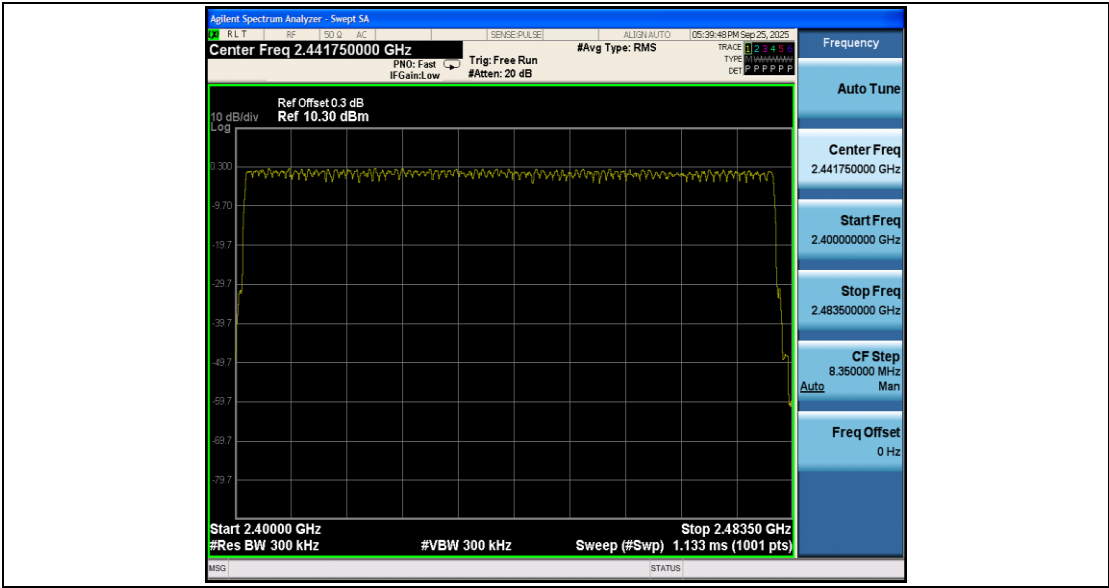
Appendix F: Number of hopping channels

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



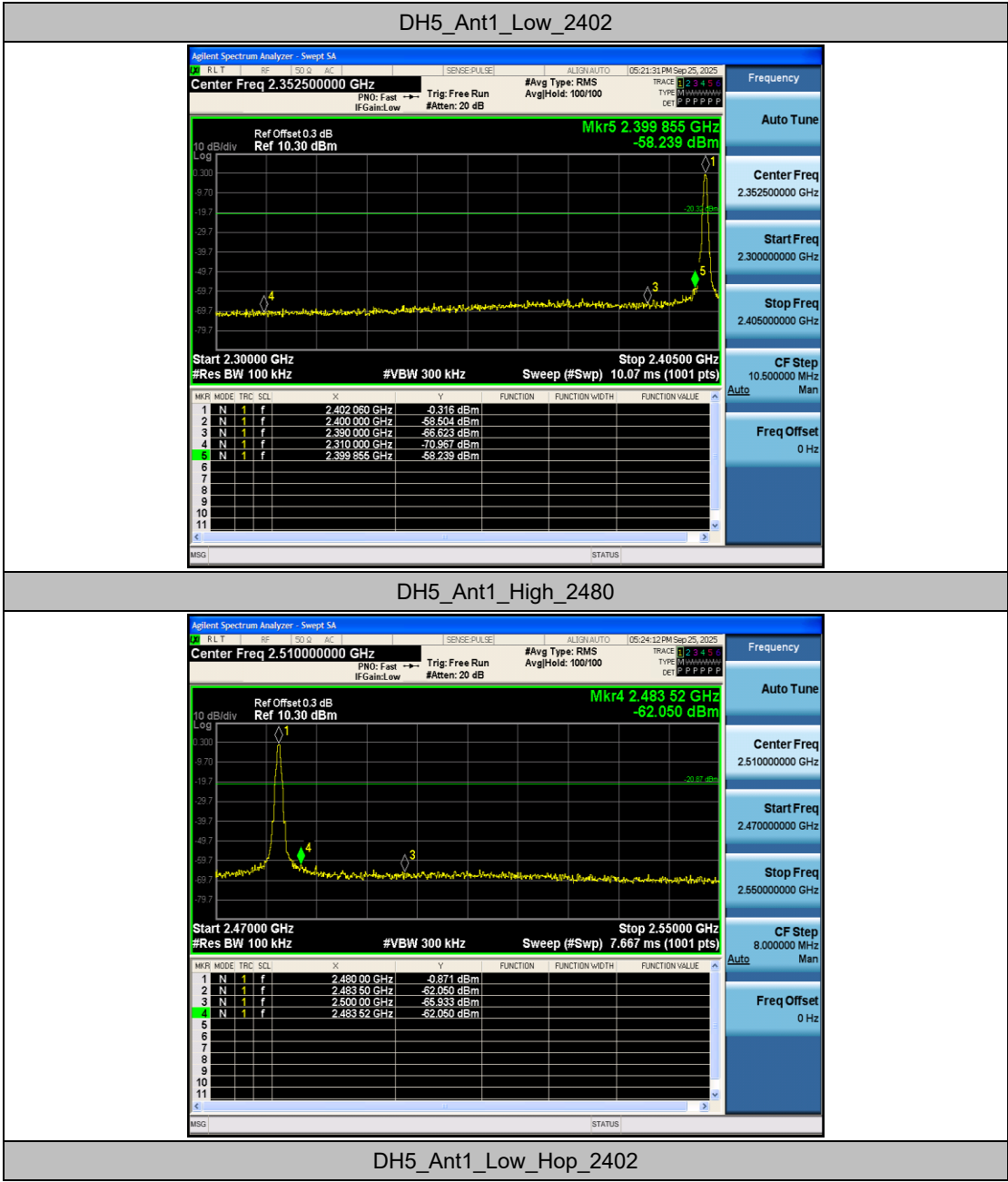


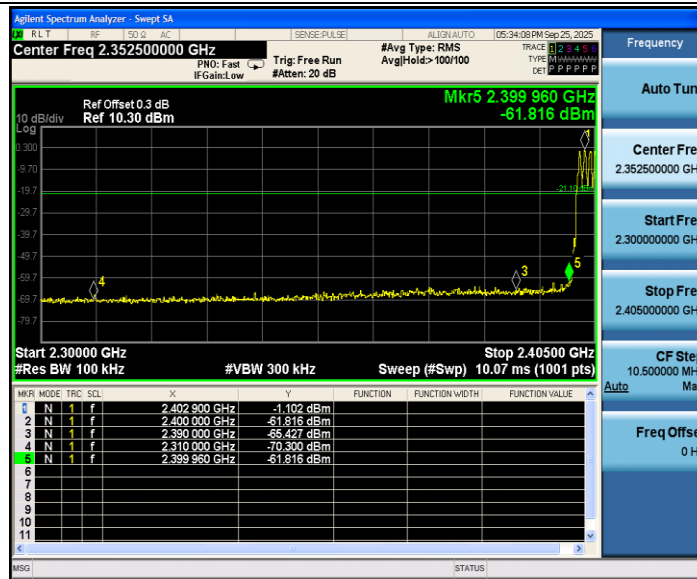
Appendix G: Band edge measurements

Test Result

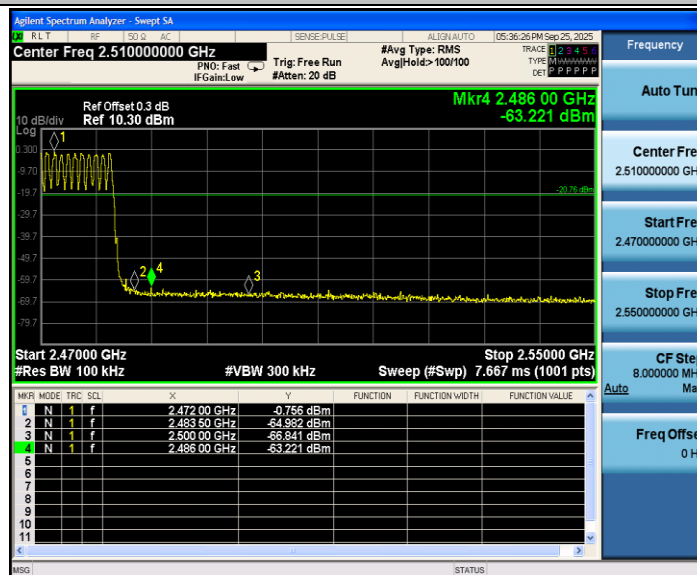
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.32	-58.24	≤-20.32	PASS
		High	2480	-0.87	-62.05	≤-20.87	PASS
		Low	Hop_2402	-1.10	-61.82	≤-21.1	PASS
		High	Hop_2480	-0.76	-63.22	≤-20.76	PASS
2DH5	Ant1	Low	2402	-0.77	-50.75	≤-20.77	PASS
		High	2480	-0.32	-62.11	≤-20.32	PASS
		Low	Hop_2402	-3.39	-52.63	≤-23.39	PASS
		High	Hop_2480	-1.65	-63.66	≤-21.65	PASS
3DH5	Ant1	Low	2402	-1.65	-51.57	≤-21.65	PASS
		High	2480	-0.90	-62.45	≤-20.9	PASS
		Low	Hop_2402	-2.91	-53.97	≤-22.91	PASS
		High	Hop_2480	-1.38	-57.25	≤-21.38	PASS

Test Graphs

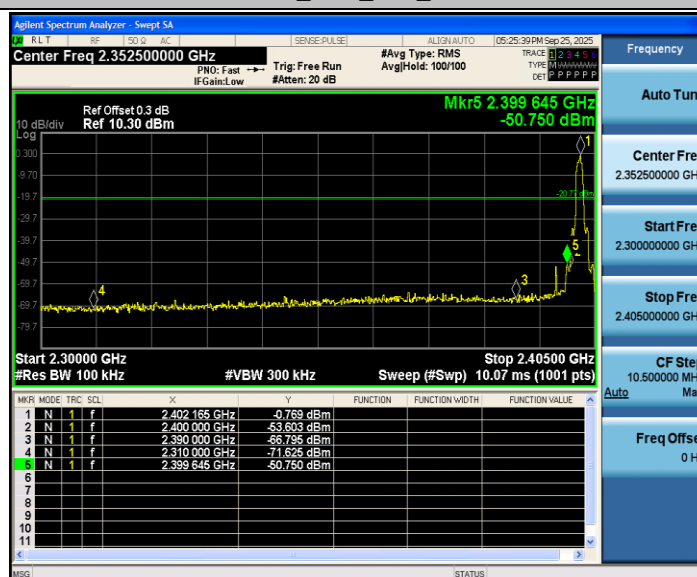




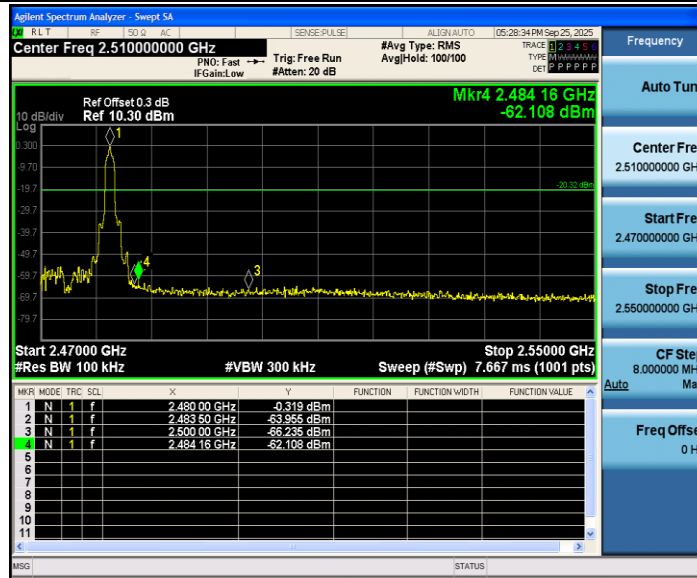
DH5_Ant1_High_Hop_2480



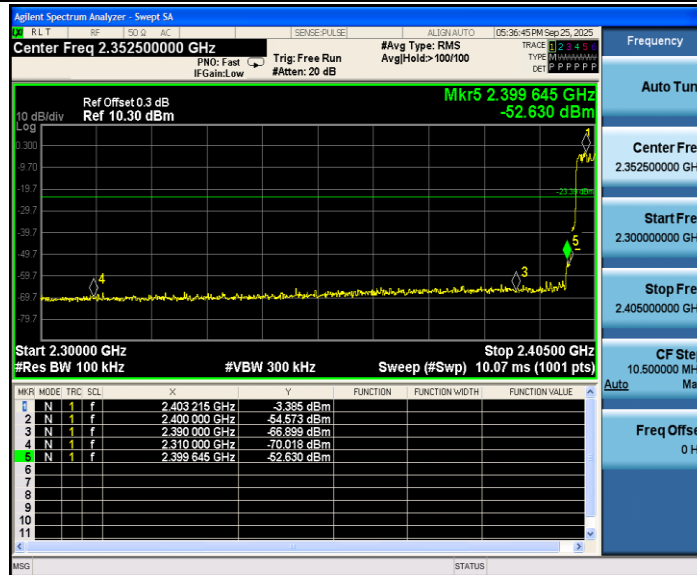
2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



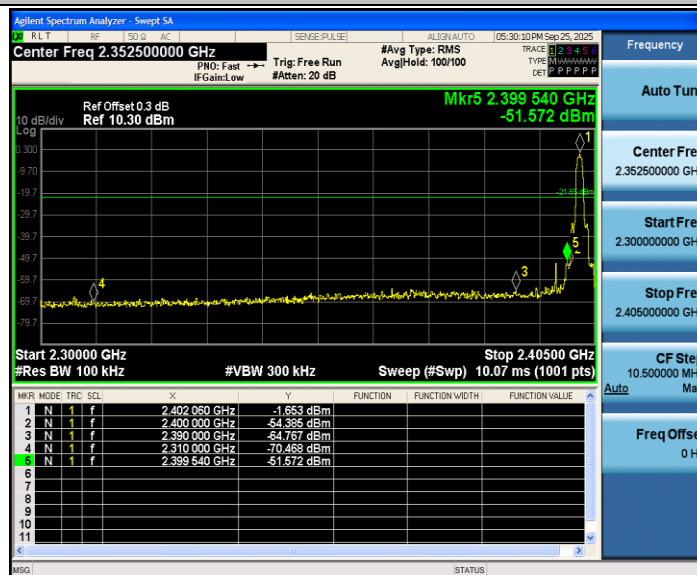
2DH5_Ant1_Low_Hop_2402



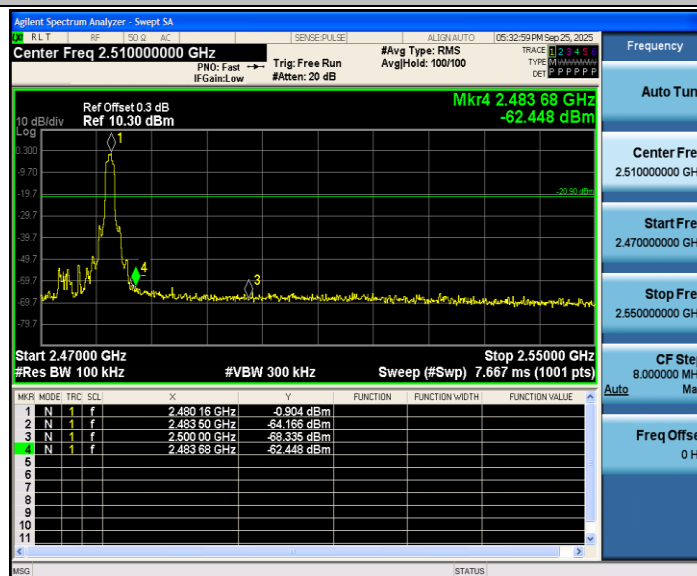
2DH5_Ant1_High_Hop_2480



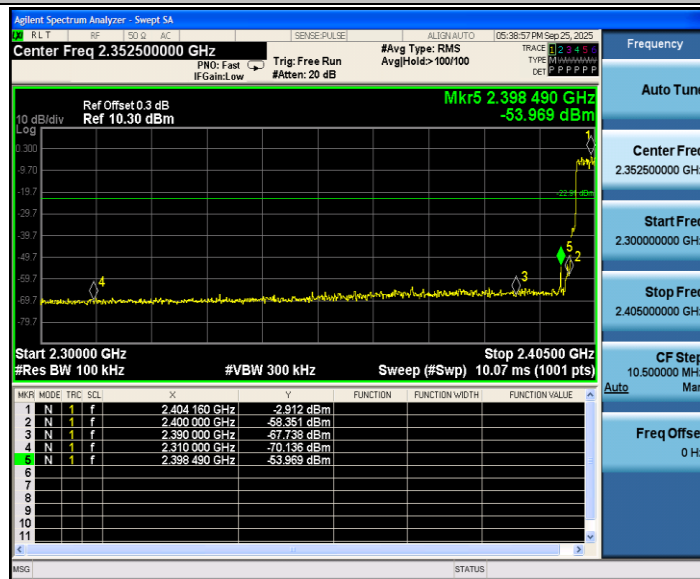
3DH5_Ant1_Low_2402



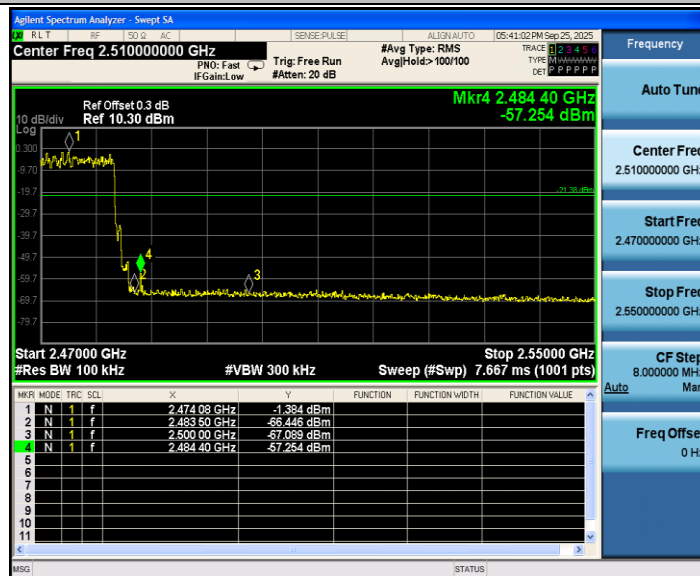
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

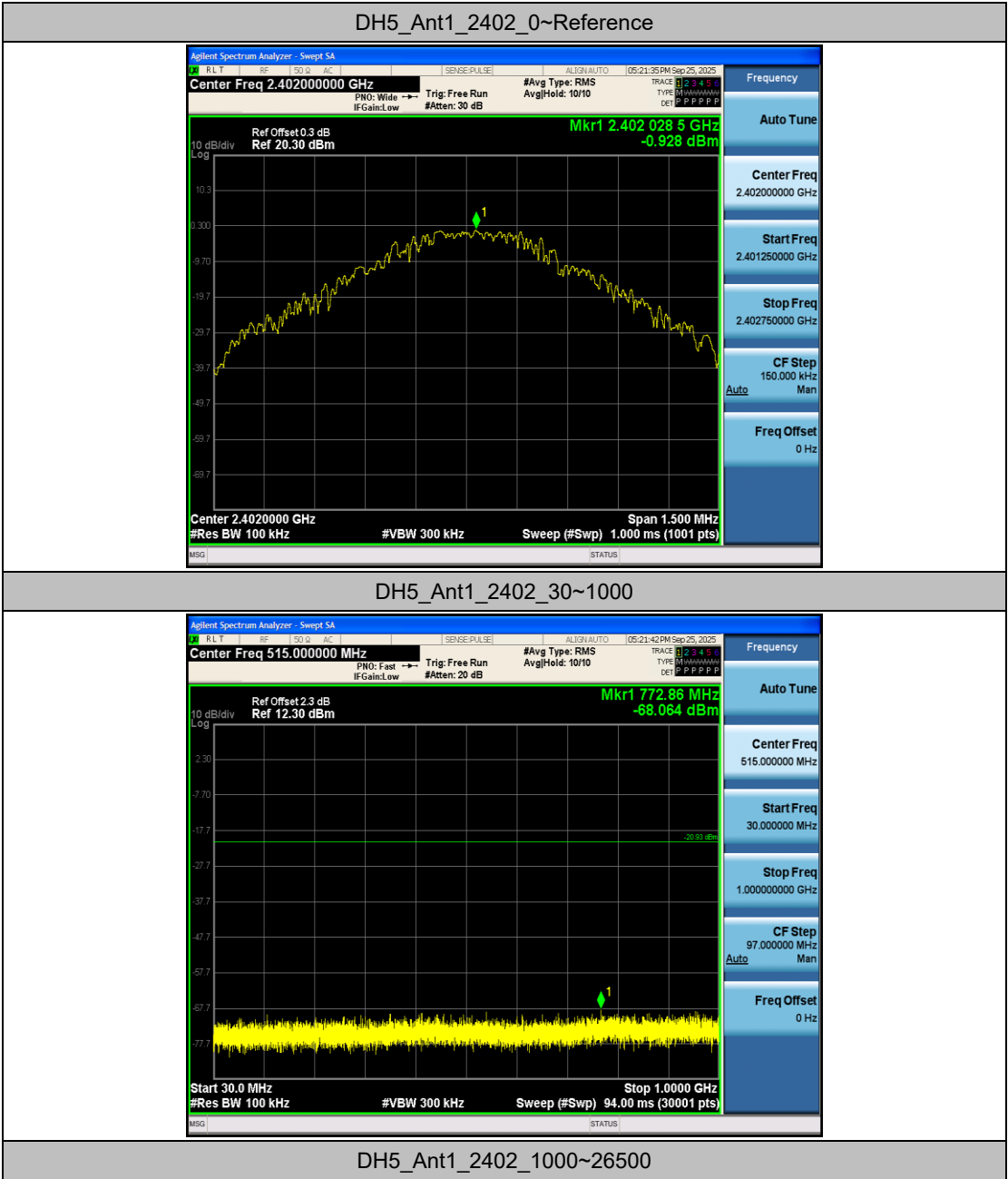


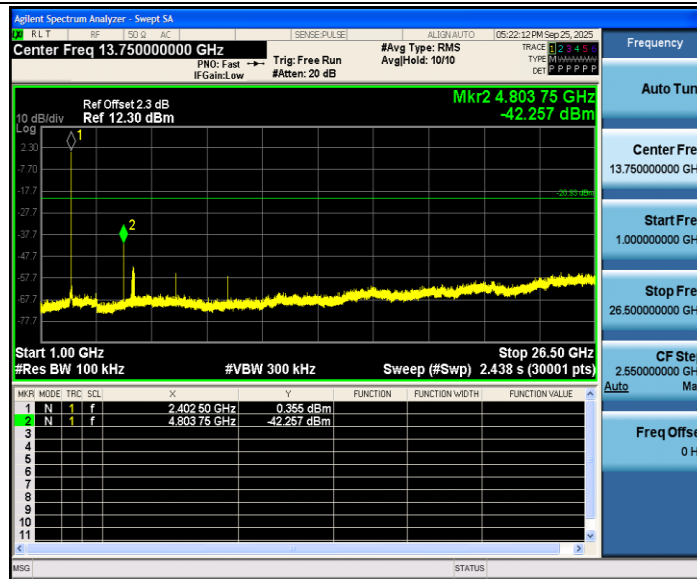
Appendix H: Conducted Spurious Emission

Test Result

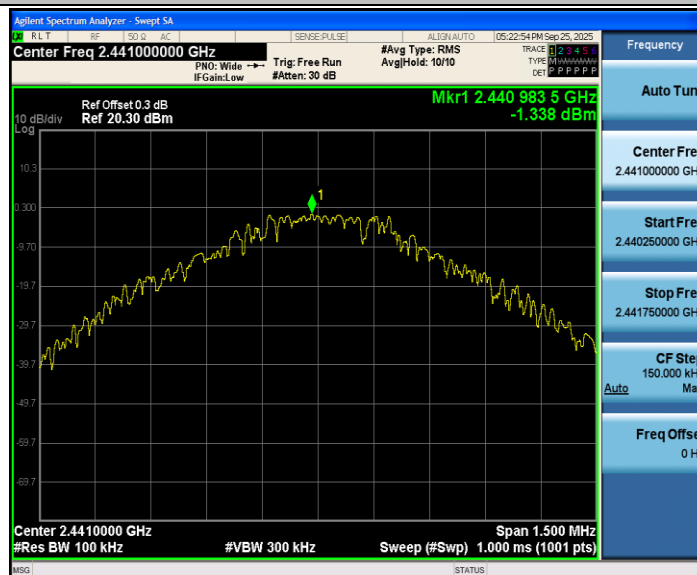
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.93	-0.93	---	PASS
			30~1000	-0.93	-68.06	≤-20.93	PASS
			1000~26500	-0.93	-42.26	≤-20.93	PASS
		2441	Reference	-1.34	-1.34	---	PASS
			30~1000	-1.34	-68.43	≤-21.34	PASS
			1000~26500	-1.34	-43.34	≤-21.34	PASS
		2480	Reference	-1.49	-1.49	---	PASS
			30~1000	-1.49	-68.64	≤-21.49	PASS
			1000~26500	-1.49	-45.23	≤-21.49	PASS
2DH5	Ant1	2402	Reference	-2.22	-2.22	---	PASS
			30~1000	-2.22	-68.12	≤-22.22	PASS
			1000~26500	-2.22	-43.92	≤-22.22	PASS
		2441	Reference	-3.10	-3.10	---	PASS
			30~1000	-3.10	-68.29	≤-23.1	PASS
			1000~26500	-3.10	-46.14	≤-23.1	PASS
		2480	Reference	-1.58	-1.58	---	PASS
			30~1000	-1.58	-68	≤-21.58	PASS
			1000~26500	-1.58	-45.36	≤-21.58	PASS
3DH5	Ant1	2402	Reference	-3.02	-3.02	---	PASS
			30~1000	-3.02	-68.22	≤-23.02	PASS
			1000~26500	-3.02	-41.96	≤-23.02	PASS
		2441	Reference	-1.61	-1.61	---	PASS
			30~1000	-1.61	-68.4	≤-21.61	PASS
			1000~26500	-1.61	-44.45	≤-21.61	PASS
		2480	Reference	-2.47	-2.47	---	PASS
			30~1000	-2.47	-67.94	≤-22.47	PASS
			1000~26500	-2.47	-43.12	≤-22.47	PASS

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

