

FCC Appendix RF Test Data for BT

FCC ID : 2BSRJ-1005

Company : Shenzhen Jieshimeng Intelligent Technology Co., Ltd.

EUT : smart glasses

Model Number : 1005

Report No. : CTA25091701201

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	0.936	2401.553	2402.489	---	---
		2441	0.939	2440.550	2441.489	---	---
		2480	1.017	2479.487	2480.504	---	---
2DH5	Ant1	2402	1.278	2401.382	2402.660	---	---
		2441	1.335	2440.340	2441.675	---	---
		2480	1.326	2479.343	2480.669	---	---
3DH5	Ant1	2402	1.278	2401.382	2402.660	---	---
		2441	1.284	2440.379	2441.663	---	---
		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

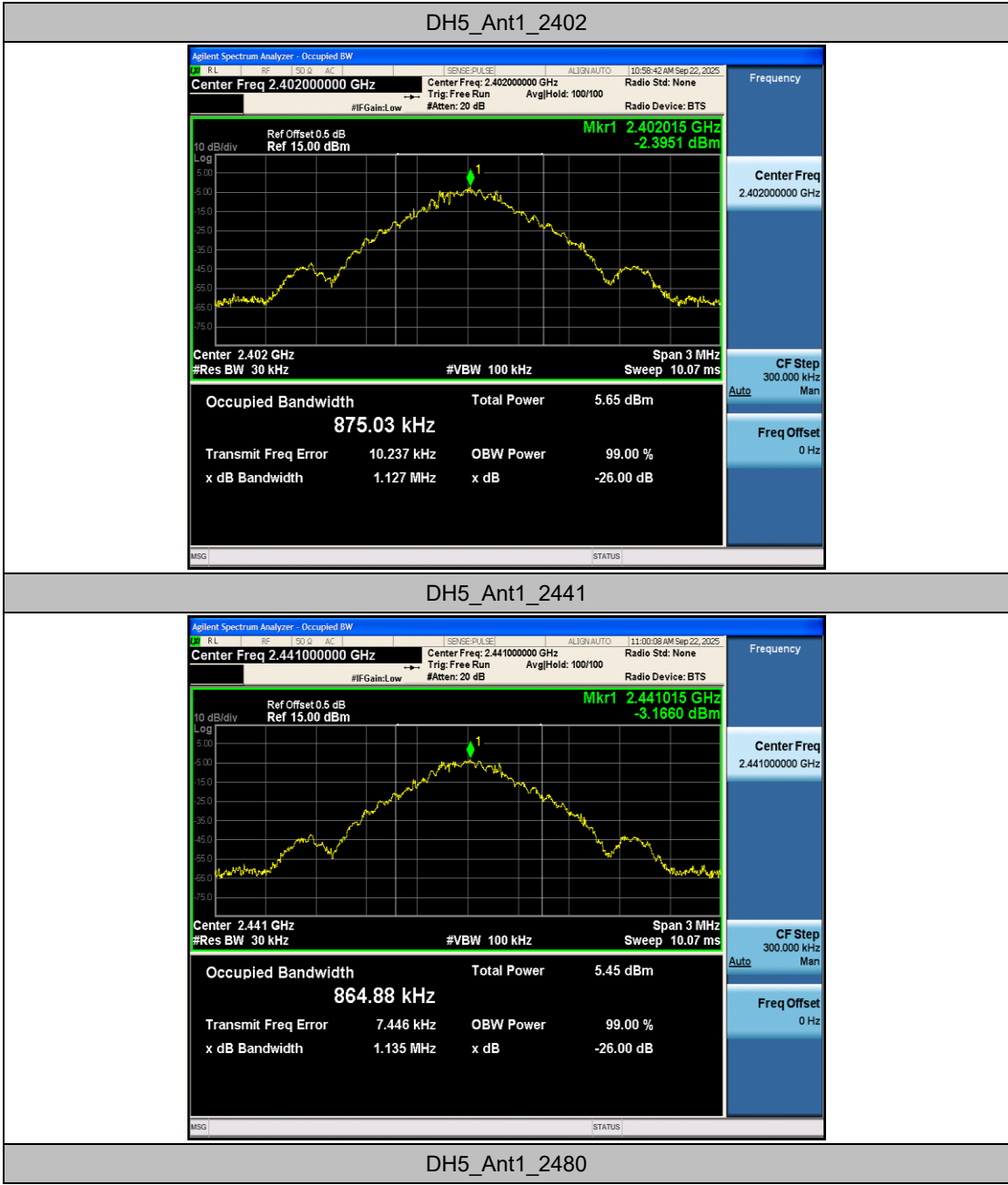


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87503	2401.5727	2402.4478	---	---
		2441	0.86488	2440.5750	2441.4399	---	---
		2480	0.86937	2479.5746	2480.4440	---	---
2DH5	Ant1	2402	1.1879	2401.4167	2402.6046	---	---
		2441	1.1839	2440.4184	2441.6023	---	---
		2480	1.1896	2479.4163	2480.6059	---	---
3DH5	Ant1	2402	1.1876	2401.4162	2402.6038	---	---
		2441	1.1850	2440.4166	2441.6016	---	---
		2480	1.1877	2479.4170	2480.6047	---	---

Test Graphs





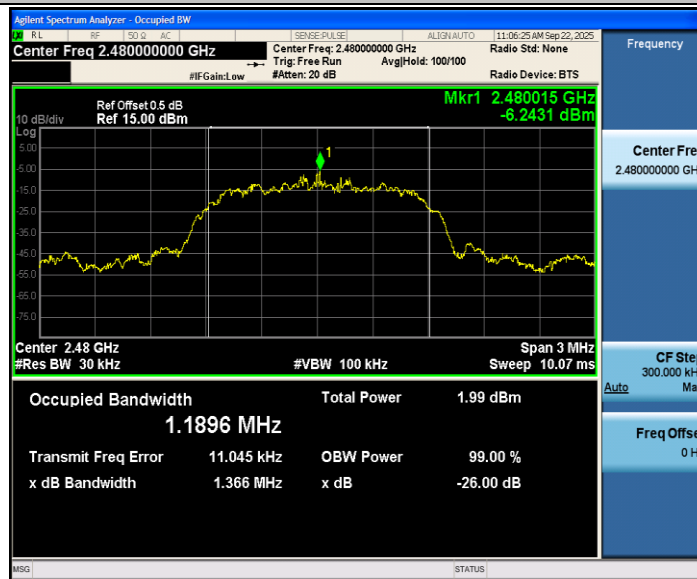
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



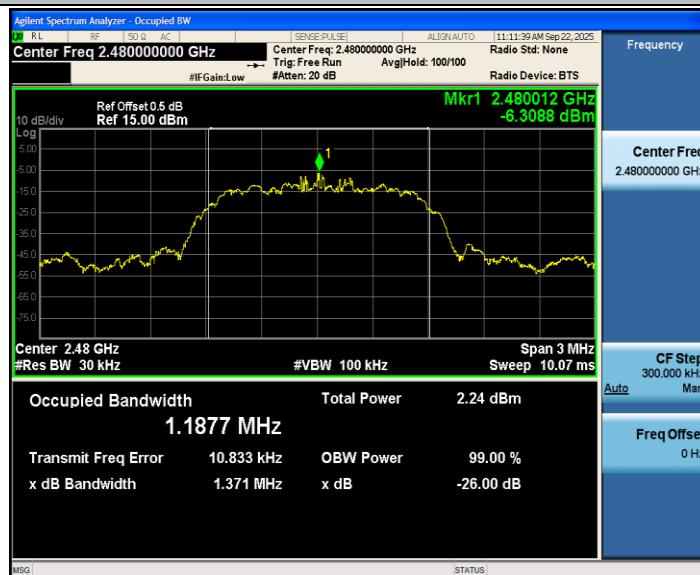
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Left:

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.28	≤20.97	PASS
		2441	-0.53	≤20.97	PASS
		2480	-0.55	≤20.97	PASS
2DH5	Ant1	2402	-0.92	≤20.97	PASS
		2441	-1.15	≤20.97	PASS
		2480	-1.39	≤20.97	PASS
3DH5	Ant1	2402	-1.39	≤20.97	PASS
		2441	-1.35	≤20.97	PASS
		2480	-1.34	≤20.97	PASS

Right:

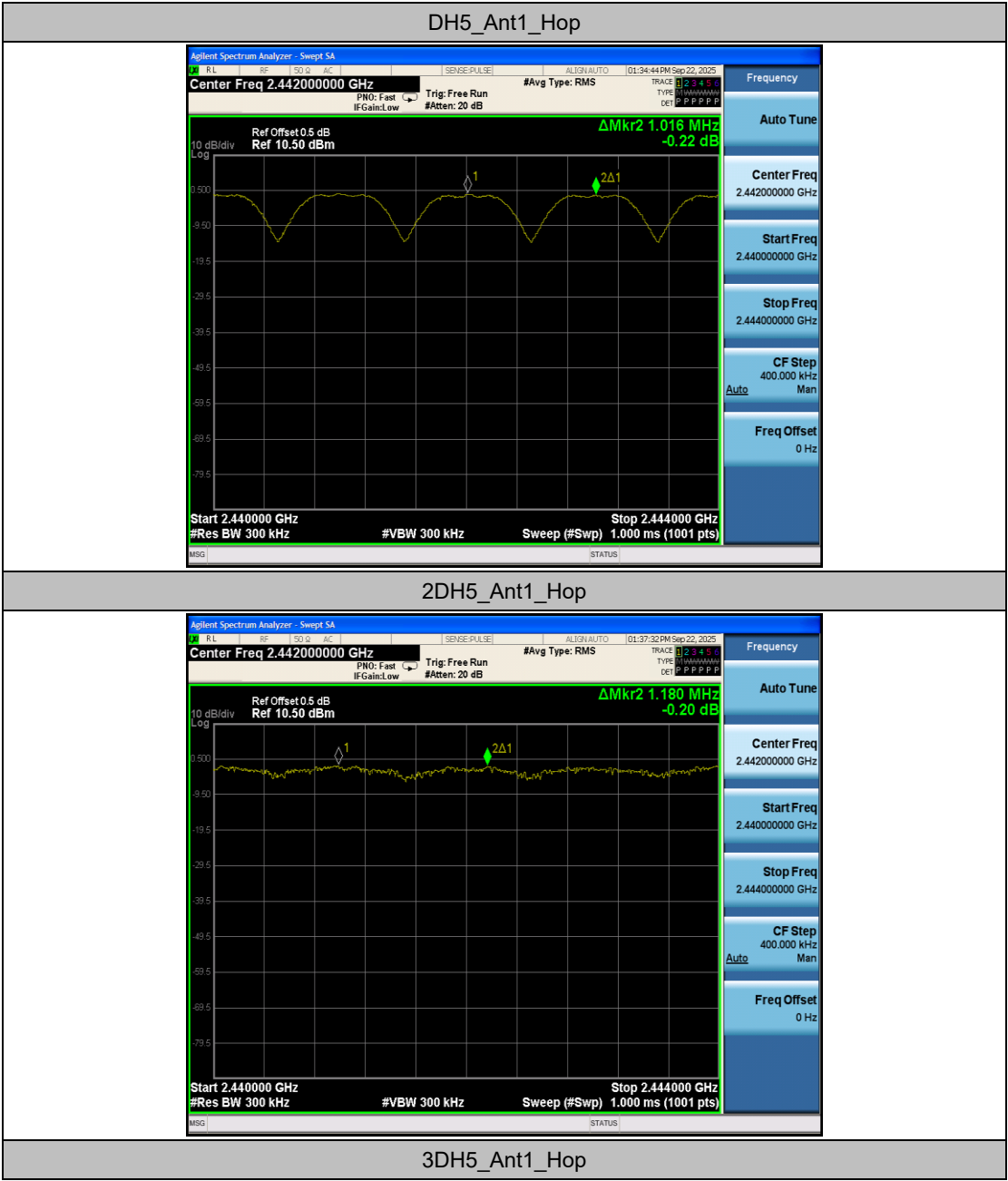
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.43	≤20.97	PASS
		2441	-0.69	≤20.97	PASS
		2480	-0.79	≤20.97	PASS
2DH5	Ant1	2402	-1.05	≤20.97	PASS
		2441	-1.36	≤20.97	PASS
		2480	-1.42	≤20.97	PASS
3DH5	Ant1	2402	-1.48	≤20.97	PASS
		2441	-1.53	≤20.97	PASS
		2480	-1.59	≤20.97	PASS

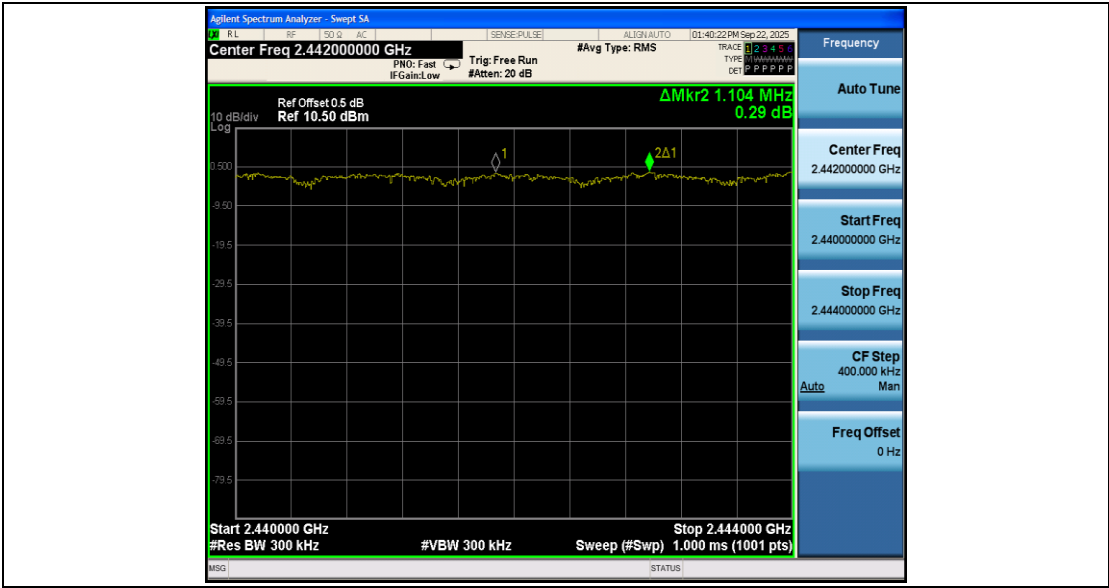
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.016	≥ 0.678	PASS
2DH5	Ant1	Hop	1.18	≥ 0.890	PASS
3DH5	Ant1	Hop	1.104	≥ 0.890	PASS

Test Graphs



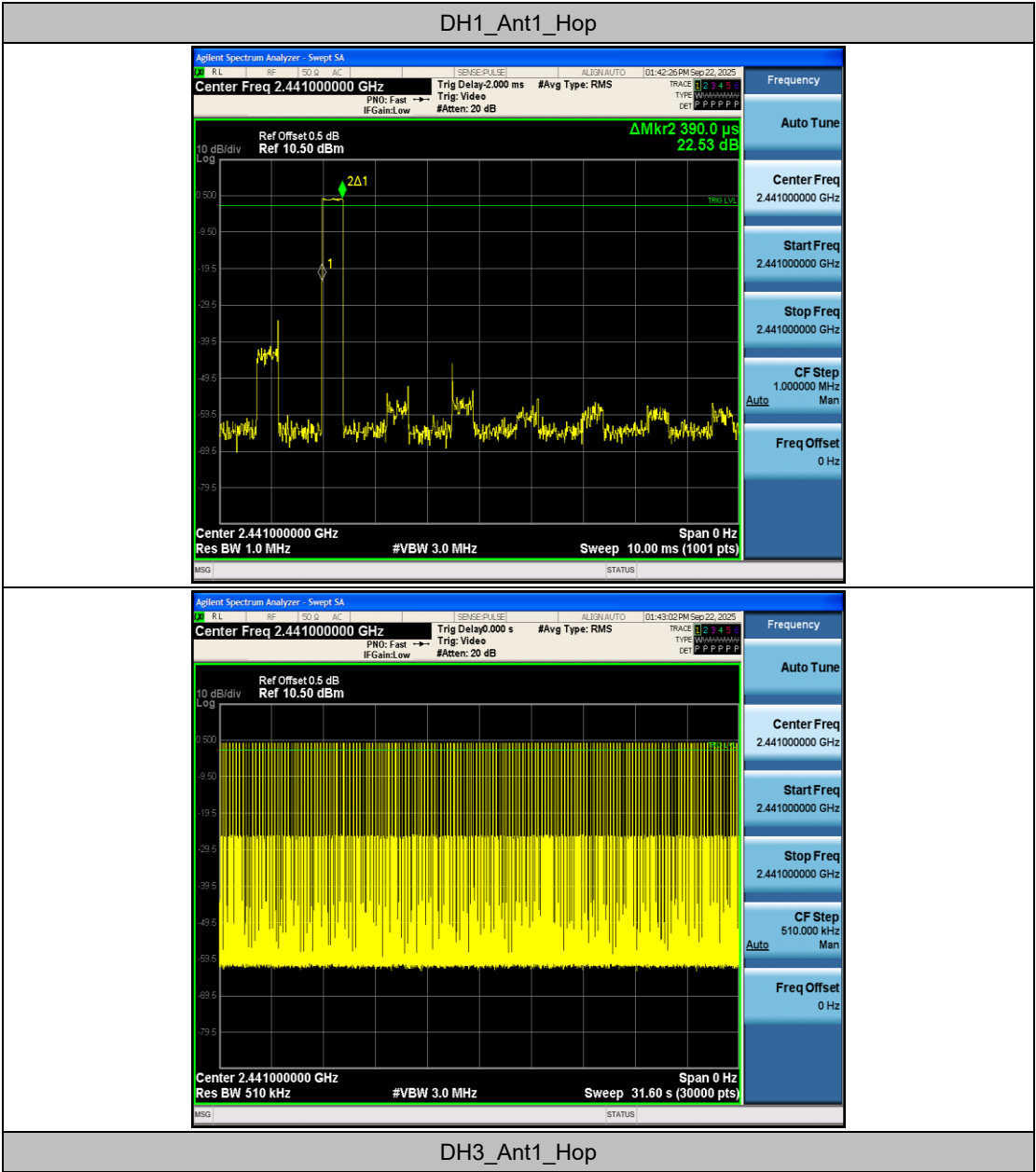


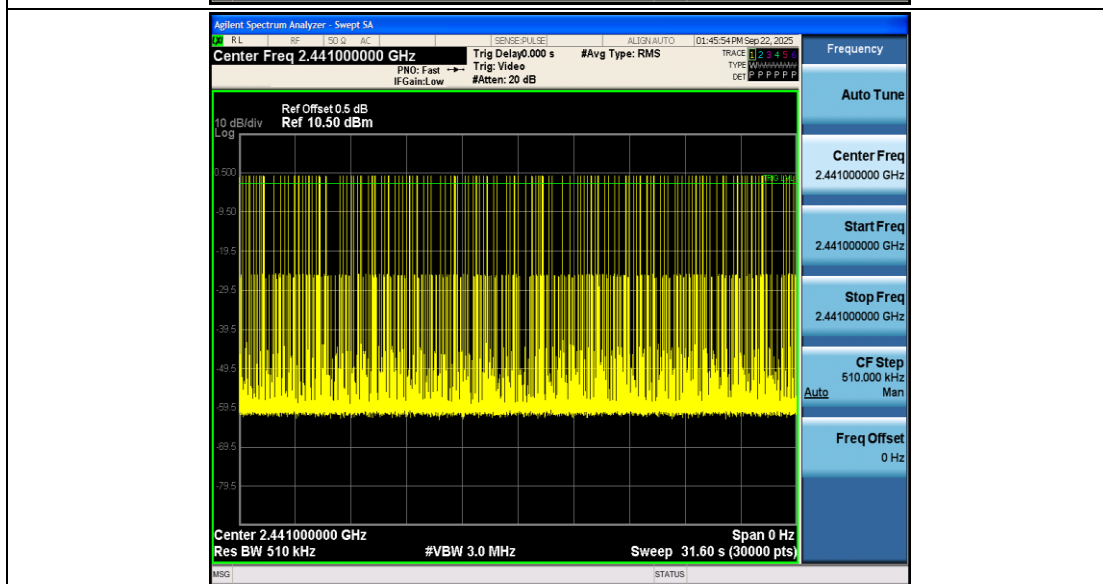
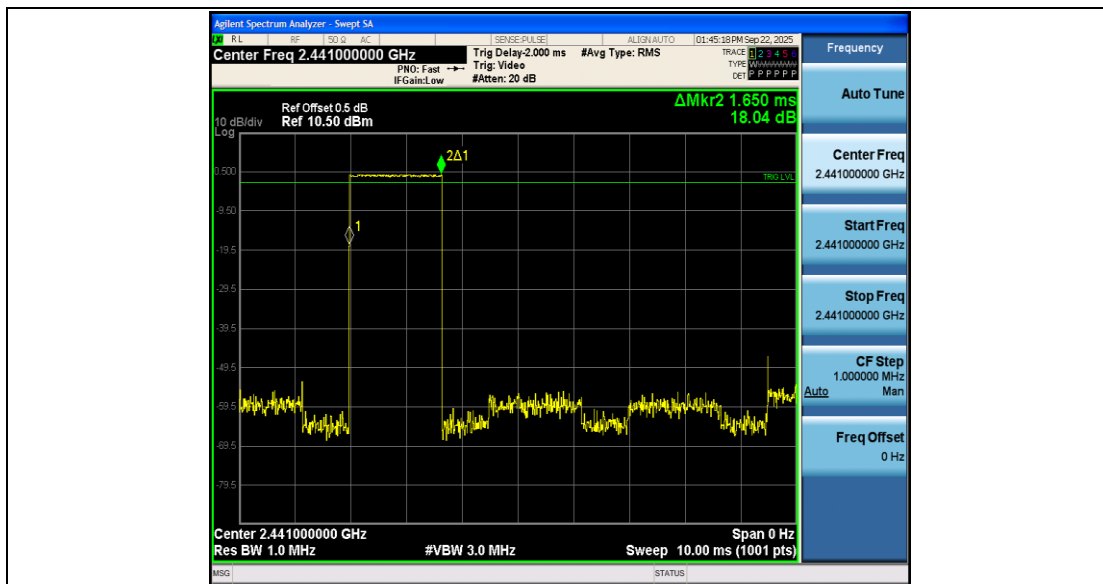
Appendix E: Time of occupancy

Test Result

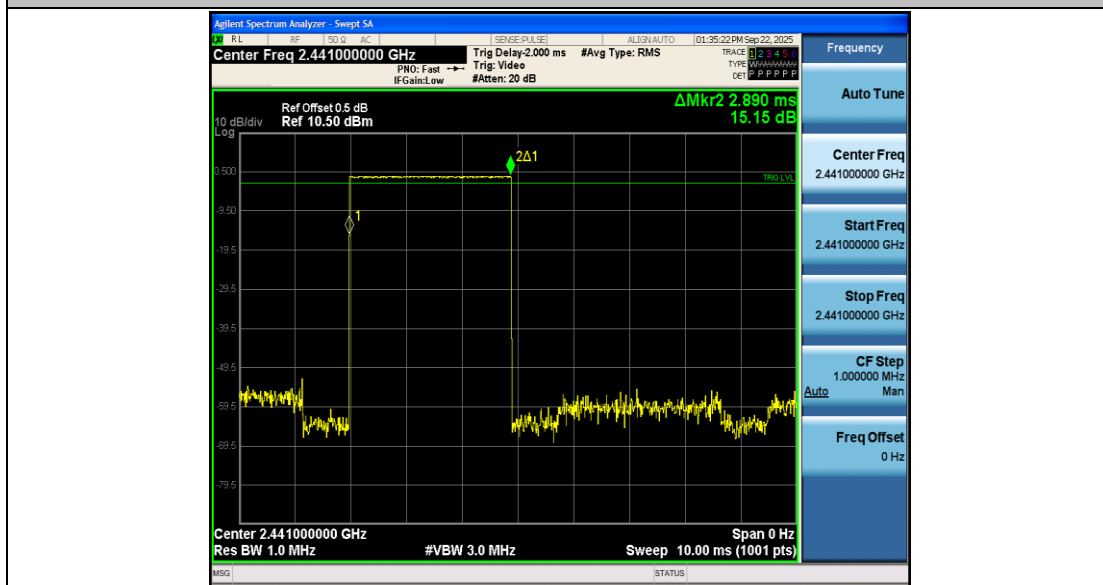
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	315	0.123	≤0.4	PASS
DH3	Ant1	Hop	1.650	158	0.261	≤0.4	PASS
DH5	Ant1	Hop	2.890	107	0.309	≤0.4	PASS
2DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.650	159	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.890	114	0.329	≤0.4	PASS
3DH1	Ant1	Hop	0.390	314	0.122	≤0.4	PASS
3DH3	Ant1	Hop	1.640	166	0.272	≤0.4	PASS
3DH5	Ant1	Hop	2.900	103	0.299	≤0.4	PASS

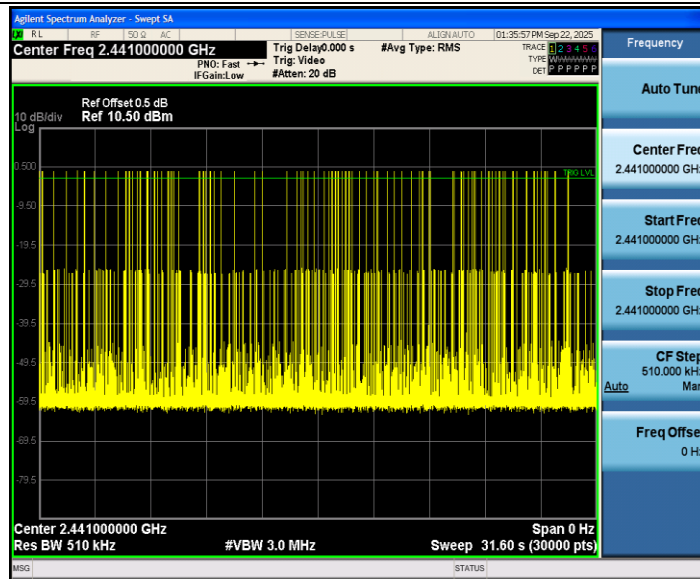
Test Graphs



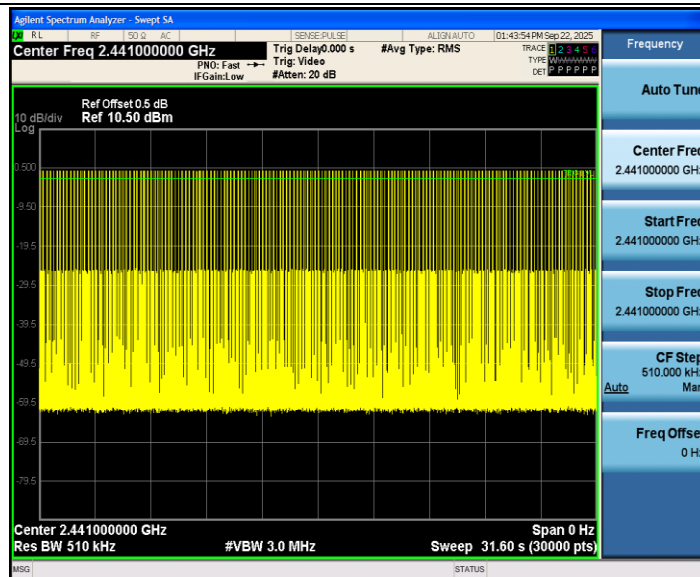
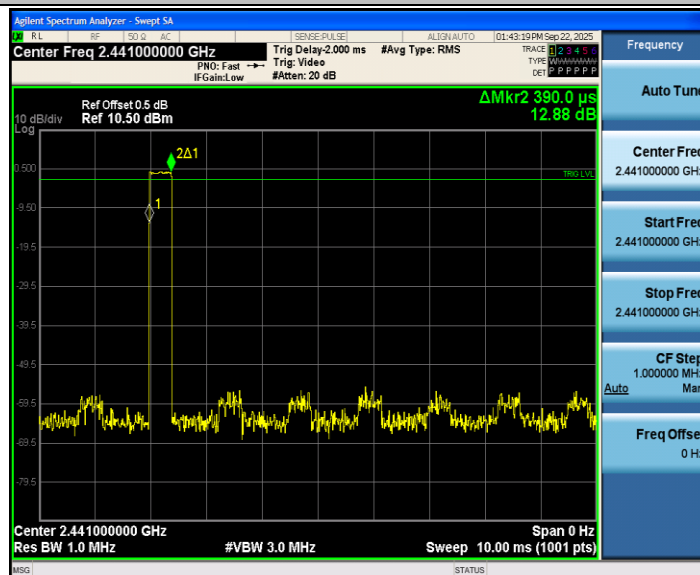


DH5_Ant1_Hop

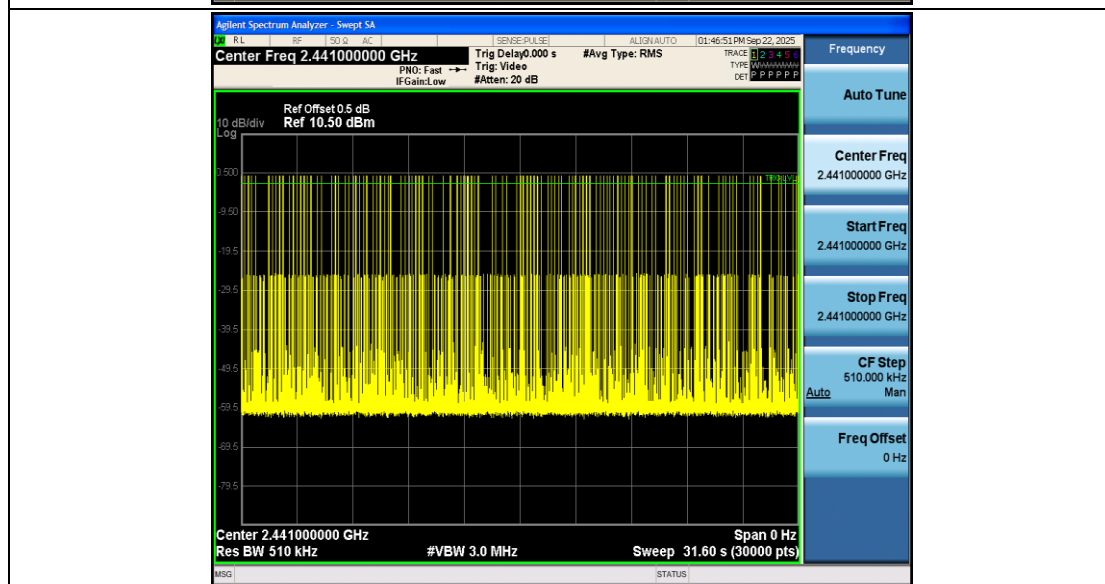
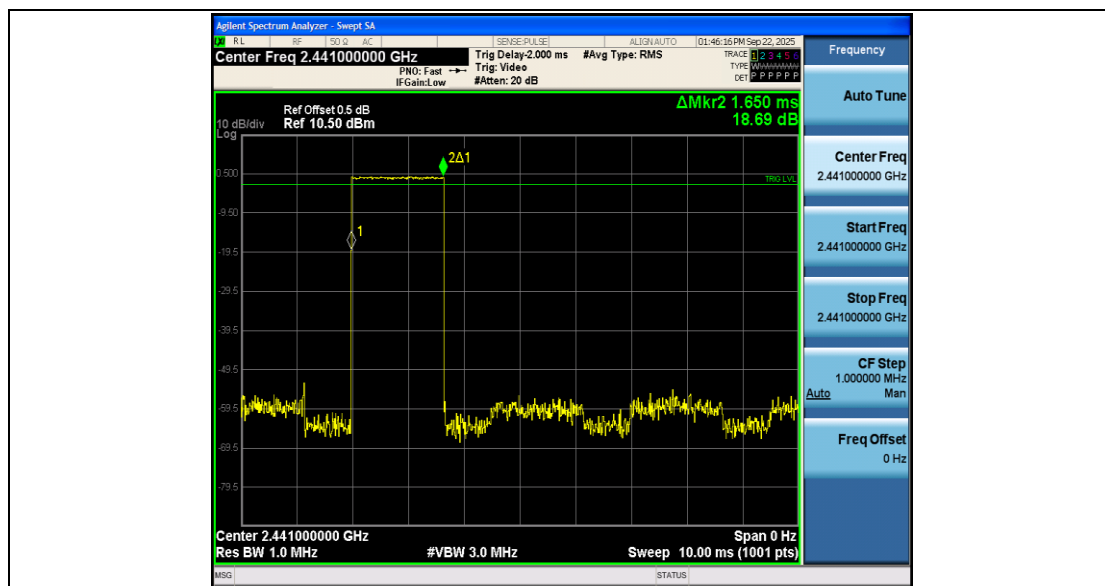




2DH1_Ant1_Hop

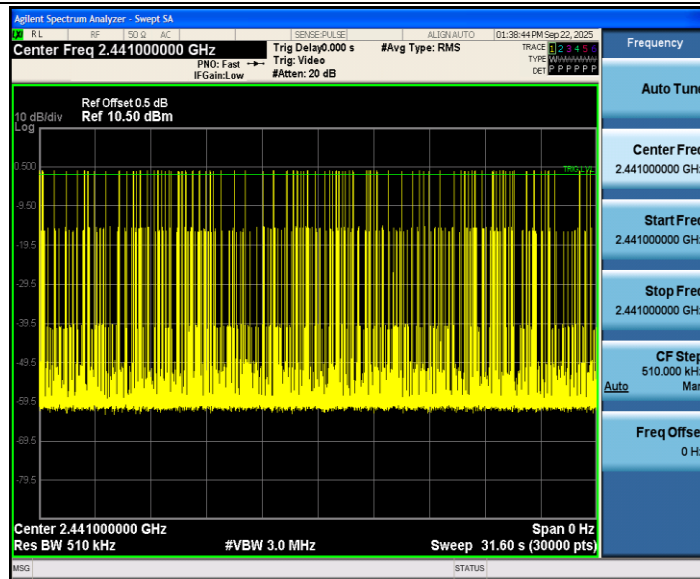


2DH3_Ant1_Hop

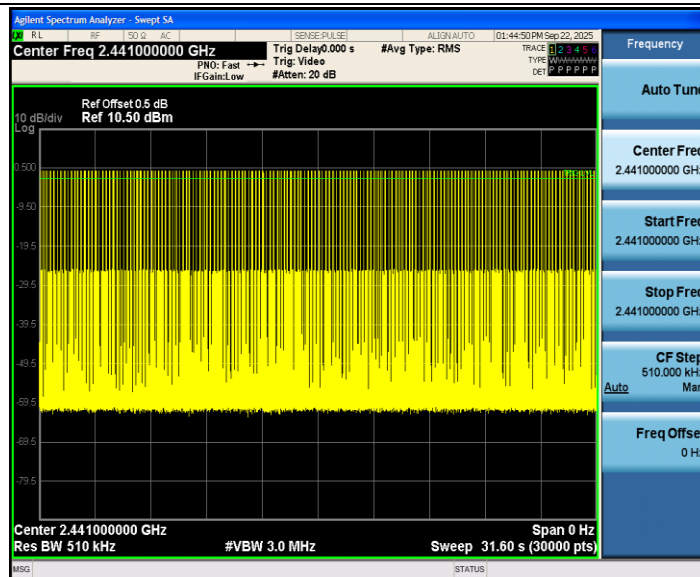
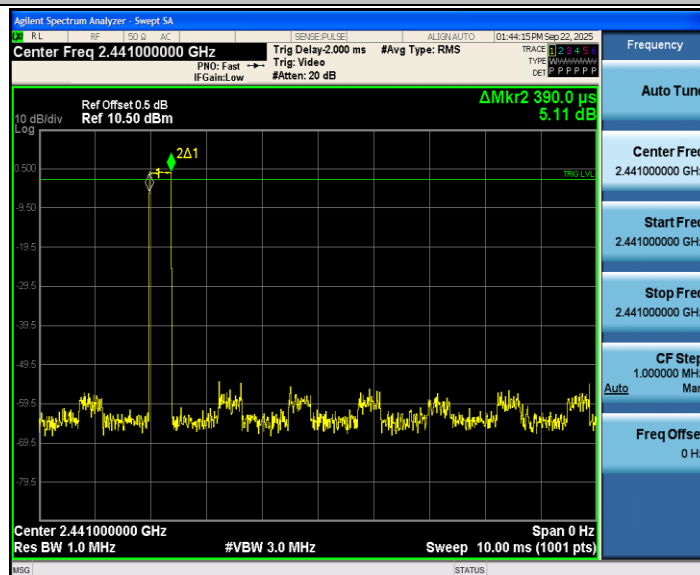


2DH5_Ant1_Hop

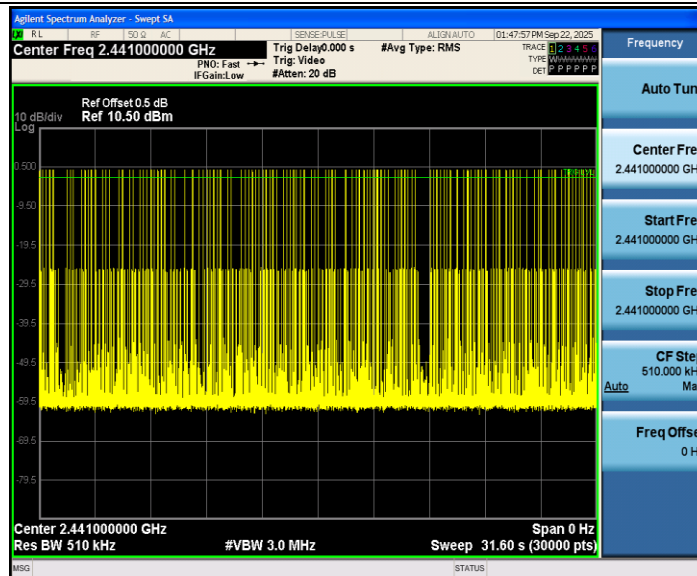
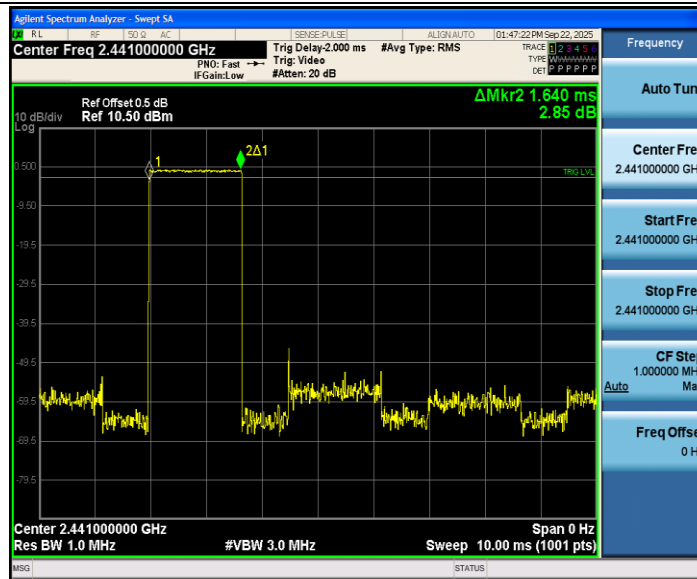




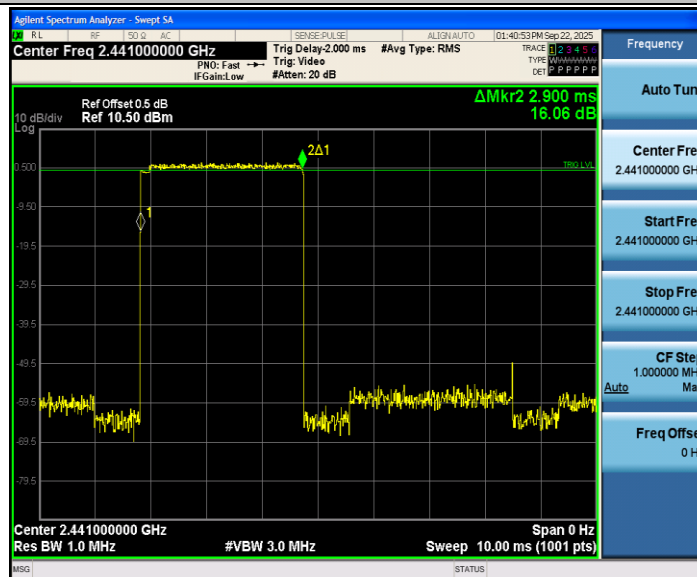
3DH1_Ant1_Hop

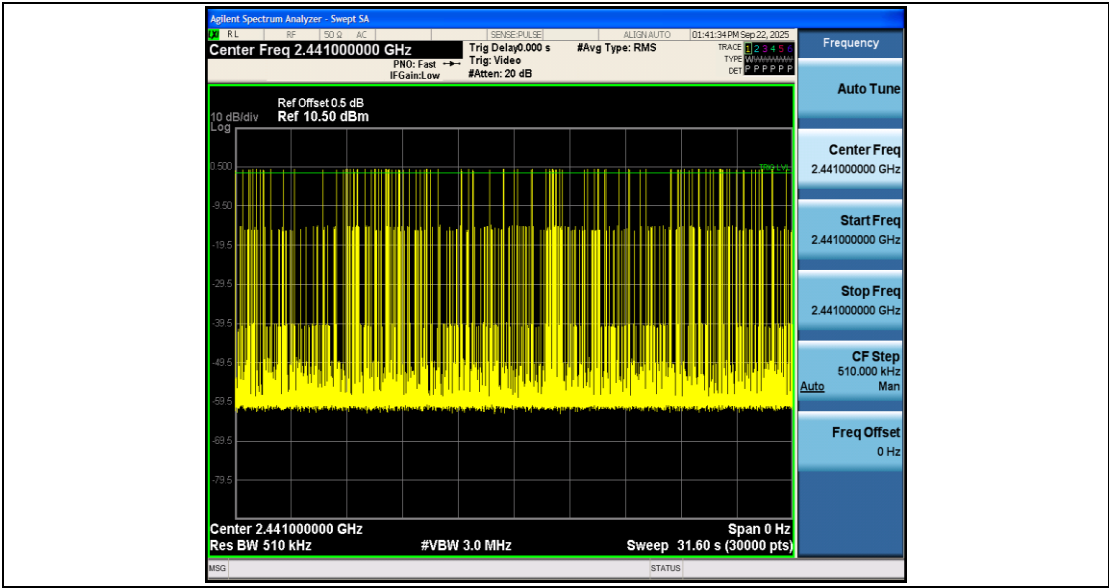


3DH3_Ant1_Hop



3DH5_Ant1_Hop





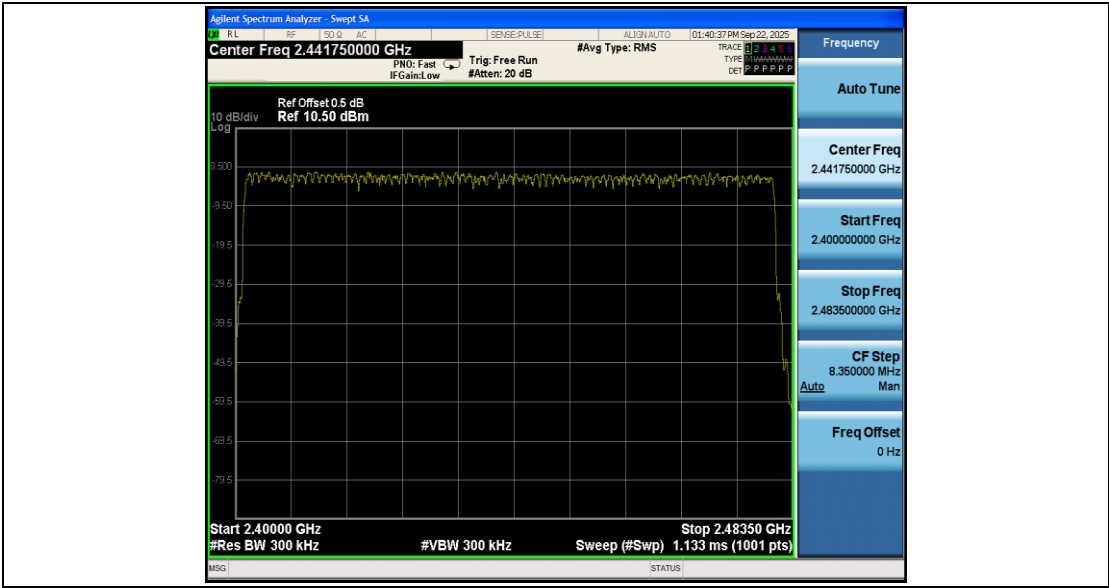
Appendix F: Number of hopping channels

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



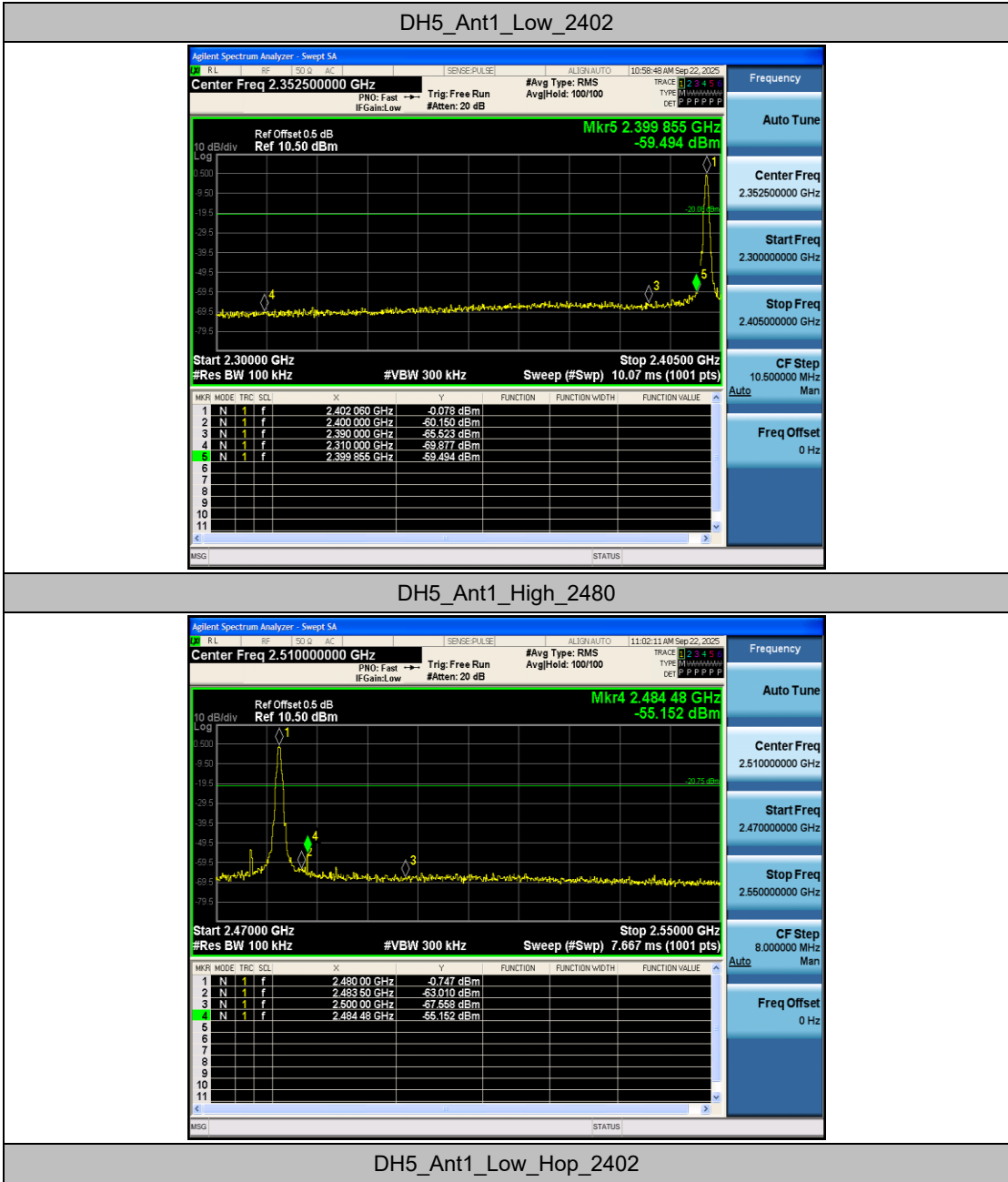


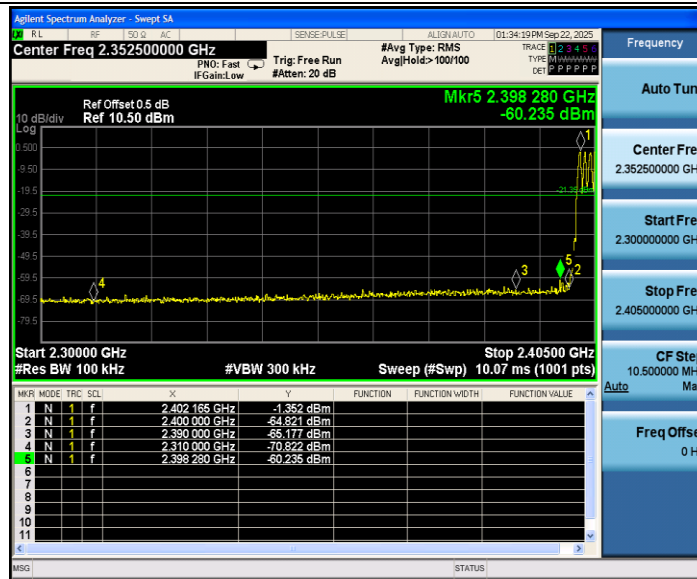
Appendix G: Band edge measurements

Test Result

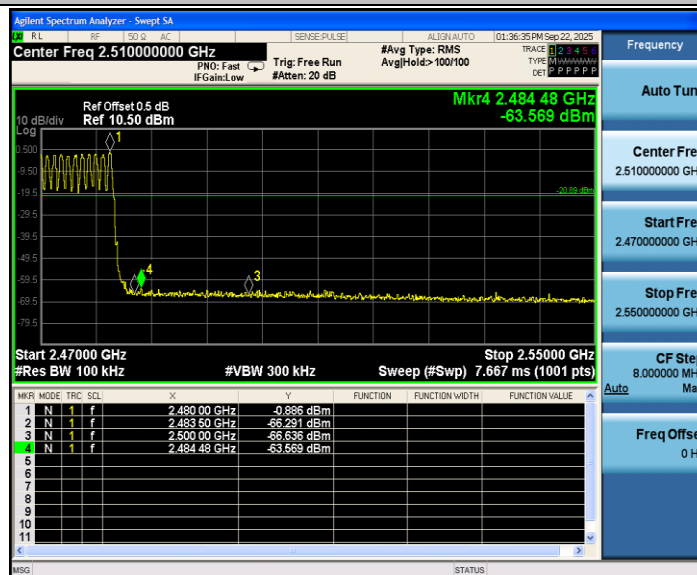
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.08	-59.49	≤-20.08	PASS
		High	2480	-0.75	-55.15	≤-20.75	PASS
		Low	Hop_2402	-1.35	-60.24	≤-21.35	PASS
		High	Hop_2480	-0.89	-63.57	≤-20.89	PASS
2DH5	Ant1	Low	2402	-3.67	-56.34	≤-23.67	PASS
		High	2480	-5.21	-63.18	≤-25.21	PASS
		Low	Hop_2402	-0.49	-53.44	≤-20.49	PASS
		High	Hop_2480	-1.60	-57	≤-21.6	PASS
3DH5	Ant1	Low	2402	-5.01	-57.63	≤-25.01	PASS
		High	2480	-5.09	-64.08	≤-25.09	PASS
		Low	Hop_2402	-3.09	-52.24	≤-23.09	PASS
		High	Hop_2480	-1.57	-63.6	≤-21.57	PASS

Test Graphs

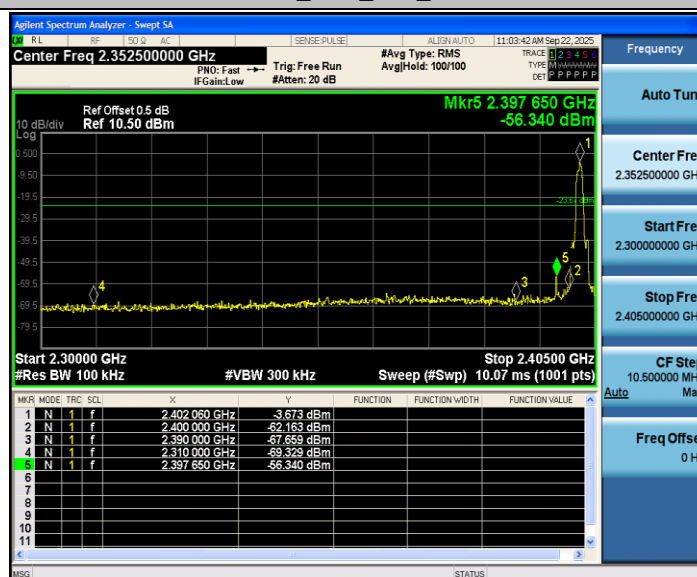




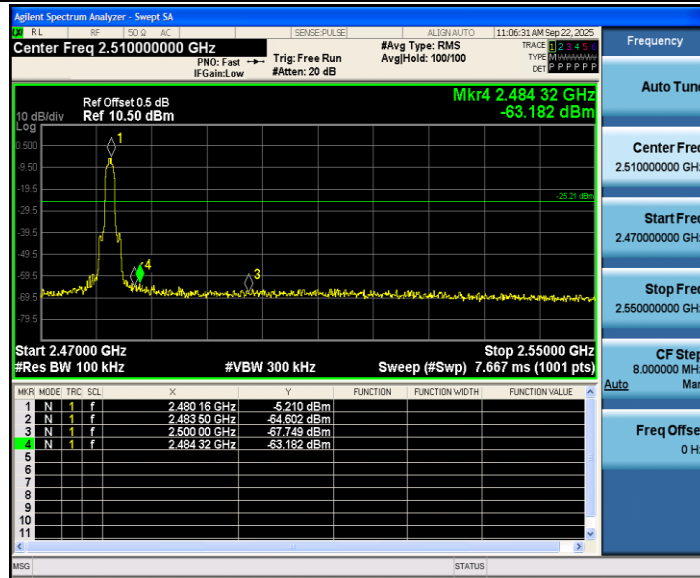
DH5_Ant1_High_Hop_2480



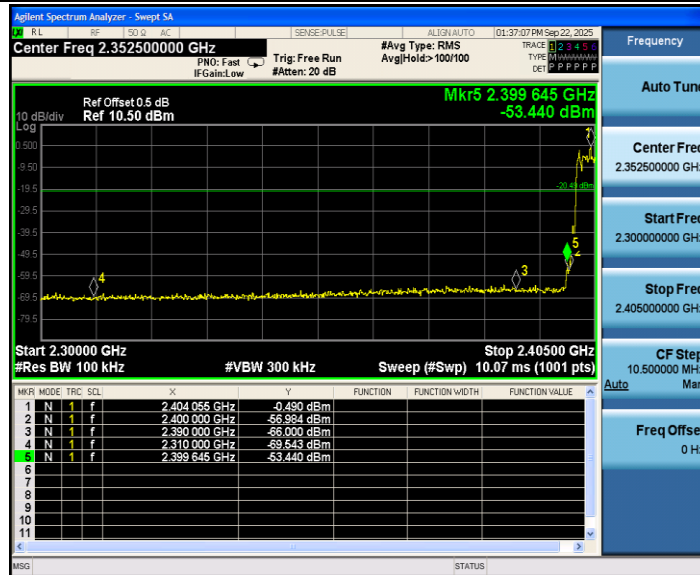
2DH5_Ant1_Low_2402



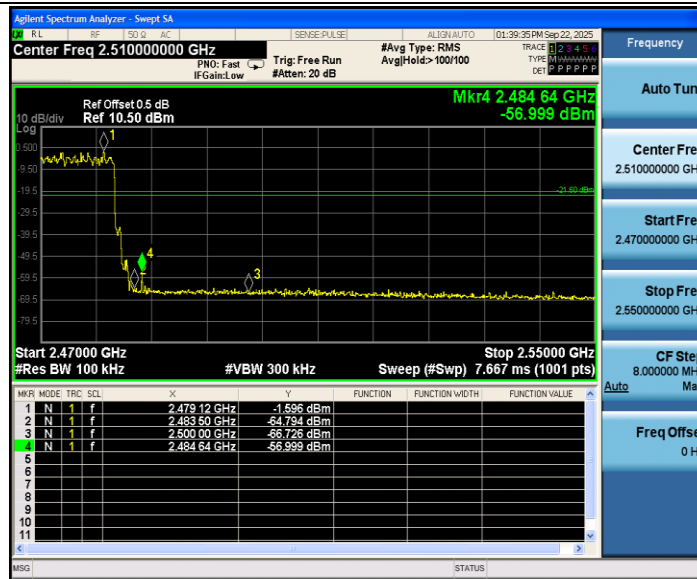
2DH5_Ant1_High_2480



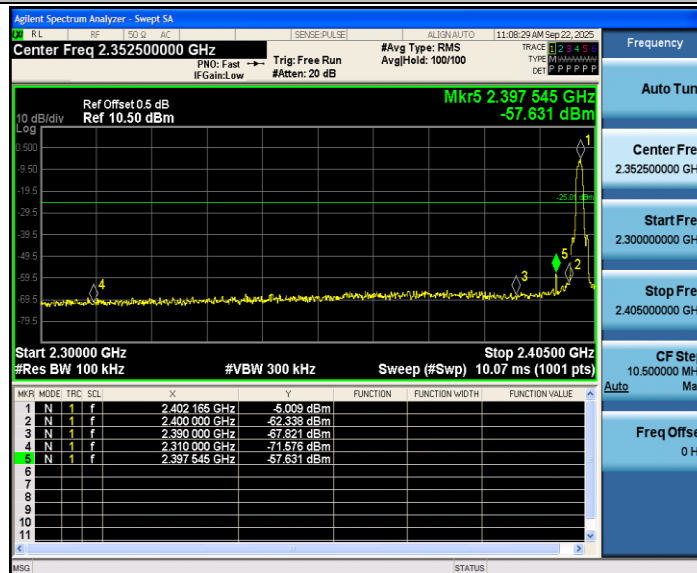
2DH5_Ant1_Low_Hop_2402



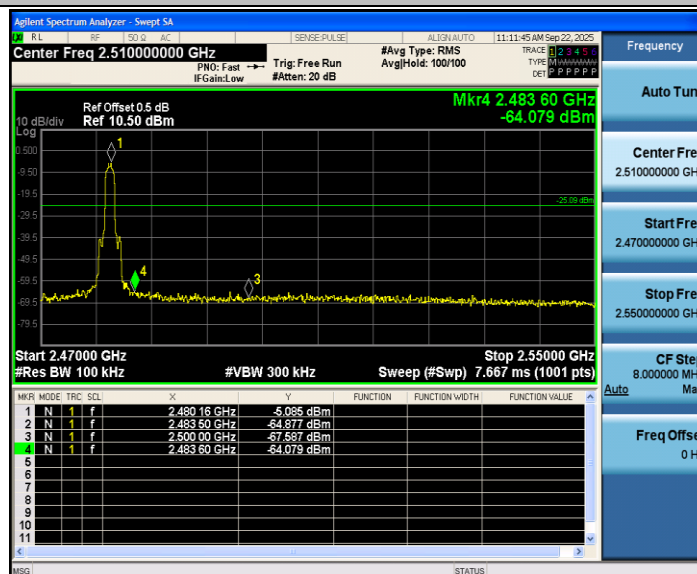
2DH5_Ant1_High_Hop_2480



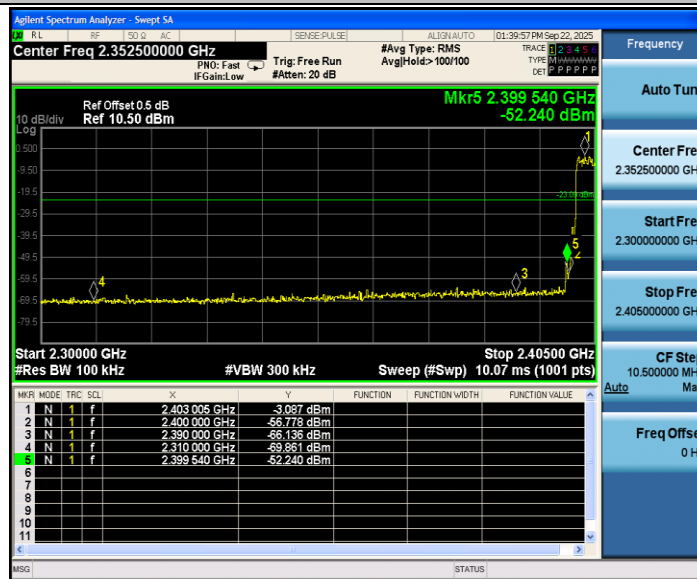
3DH5_Ant1_Low_2402



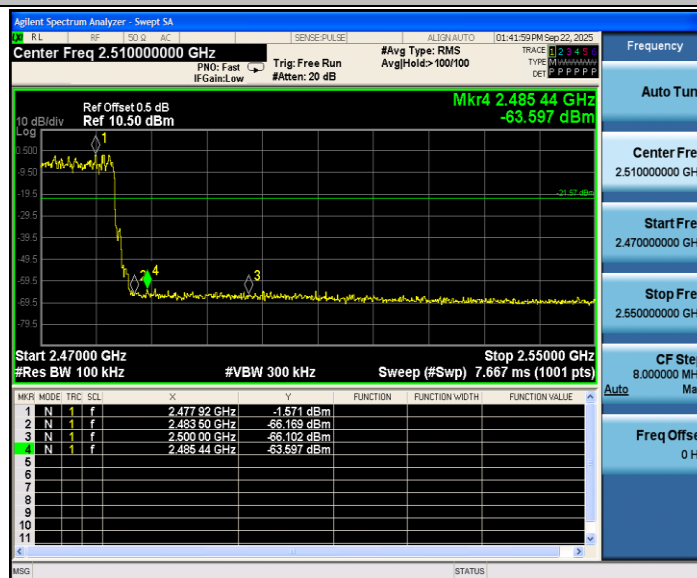
3DH5_Ant1_High_2480



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	-0.74	-0.74	---	PASS
			30~1000	-0.74	-67.91	≤-20.74	PASS
			1000~26500	-0.74	-41.68	≤-20.74	PASS
		2441	Reference	-1.83	-1.83	---	PASS
			30~1000	-1.83	-67.51	≤-21.83	PASS
			1000~26500	-1.83	-42.39	≤-21.83	PASS
		2480	Reference	-1.59	-1.59	---	PASS
			30~1000	-1.59	-67.81	≤-21.59	PASS
			1000~26500	-1.59	-44.19	≤-21.59	PASS
2DH5	Ant1	2402	Reference	-5.85	-5.85	---	PASS
			30~1000	-5.85	-67.76	≤-25.85	PASS
			1000~26500	-5.85	-50.45	≤-25.85	PASS
		2441	Reference	-4.28	-4.28	---	PASS
			30~1000	-4.28	-66.94	≤-24.28	PASS
			1000~26500	-4.28	-46.79	≤-24.28	PASS
		2480	Reference	-5.63	-5.63	---	PASS
			30~1000	-5.63	-67.6	≤-25.63	PASS
			1000~26500	-5.63	-47.92	≤-25.63	PASS
3DH5	Ant1	2402	Reference	-5.60	-5.60	---	PASS
			30~1000	-5.60	-68.34	≤-25.6	PASS
			1000~26500	-5.60	-50.82	≤-25.6	PASS
		2441	Reference	-4.39	-4.39	---	PASS
			30~1000	-4.39	-68.33	≤-24.39	PASS
			1000~26500	-4.39	-47.02	≤-24.39	PASS
		2480	Reference	-6.78	-6.78	---	PASS
			30~1000	-6.78	-67.77	≤-26.78	PASS
			1000~26500	-6.78	-48.43	≤-26.78	PASS