

FCC Appendix RF Test Data

FCC ID : 2A9JD-GS390

Company : Shenzhen Jingyun Wulian Technology CO.,Ltd

EUT : smart glasses

Model Number : GS390

Report No. : CTA25063000301

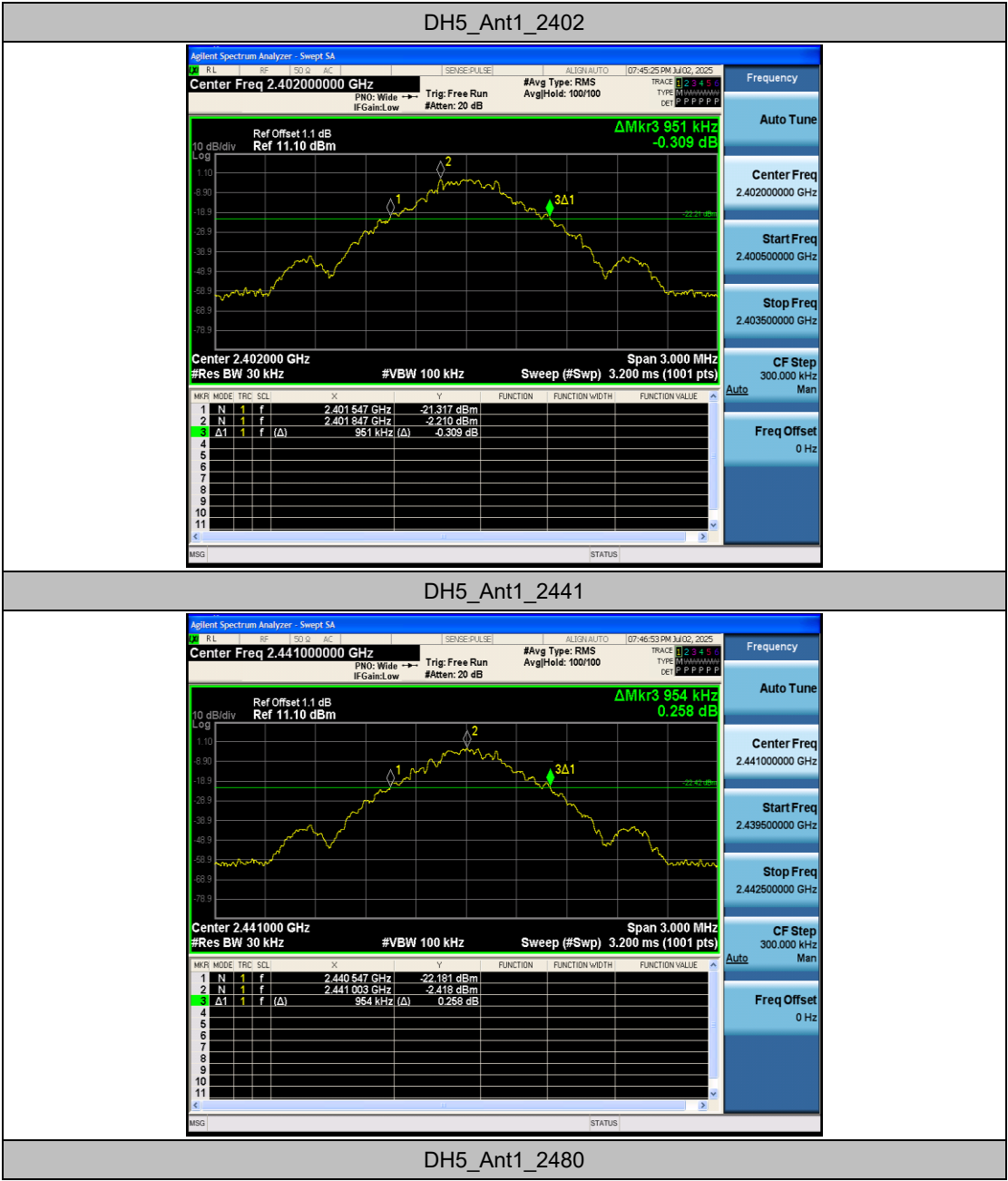
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

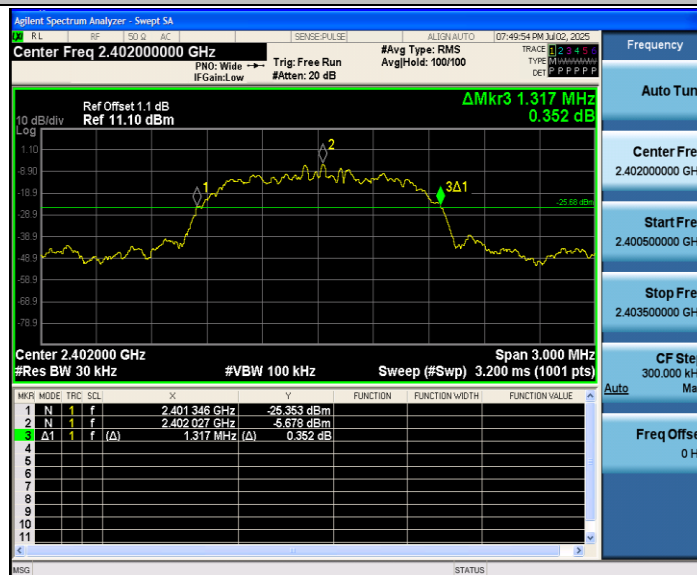
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.547	2402.498	---	---
		2441	0.954	2440.547	2441.501	---	---
		2480	0.942	2479.550	2480.492	---	---
2DH5	Ant1	2402	1.317	2401.346	2402.663	---	---
		2441	1.308	2440.355	2441.663	---	---
		2480	1.329	2479.349	2480.678	---	---
3DH5	Ant1	2402	1.299	2401.364	2402.663	---	---
		2441	1.305	2440.361	2441.666	---	---
		2480	1.305	2479.361	2480.666	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

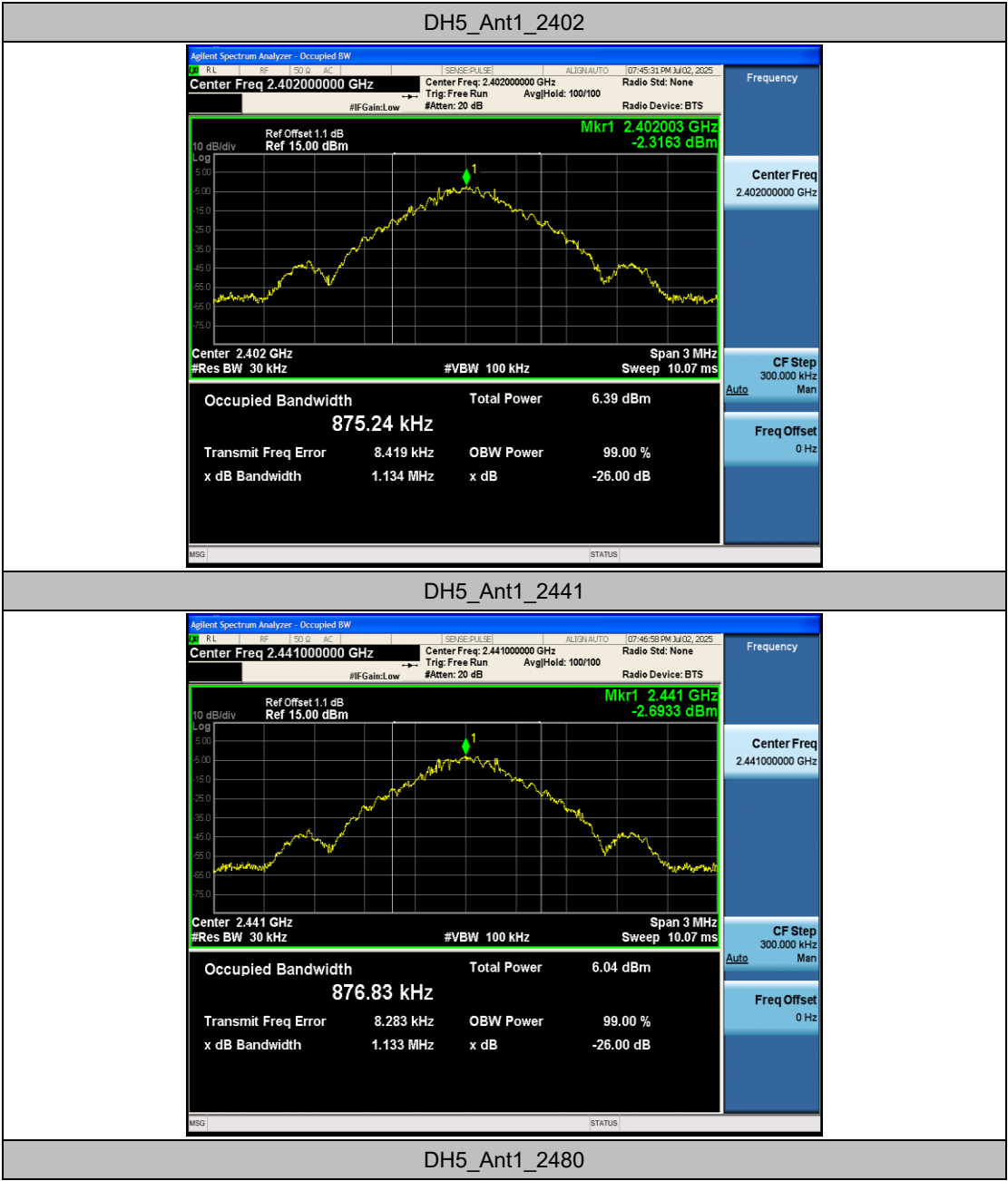


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87524	2401.5708	2402.4460	---	---
		2441	0.87683	2440.5699	2441.4467	---	---
		2480	0.86603	2479.5736	2480.4396	---	---
2DH5	Ant1	2402	1.1918	2401.4143	2402.6061	---	---
		2441	1.1874	2440.4159	2441.6033	---	---
		2480	1.1903	2479.4147	2480.6050	---	---
3DH5	Ant1	2402	1.1851	2401.4188	2402.6039	---	---
		2441	1.1852	2440.4180	2441.6032	---	---
		2480	1.1869	2479.4163	2480.6032	---	---

Test Graphs



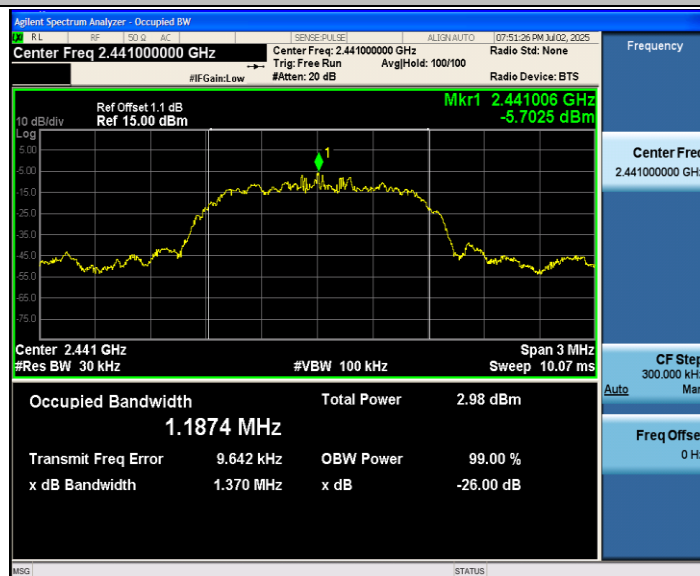
DH5_Ant1_2480



2DH5_Ant1_2402



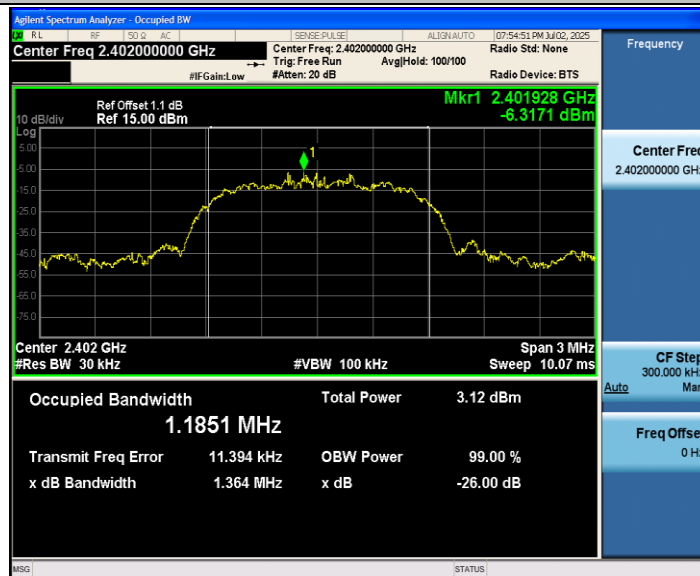
2DH5_Ant1_2441



2DH5_Ant1_2480



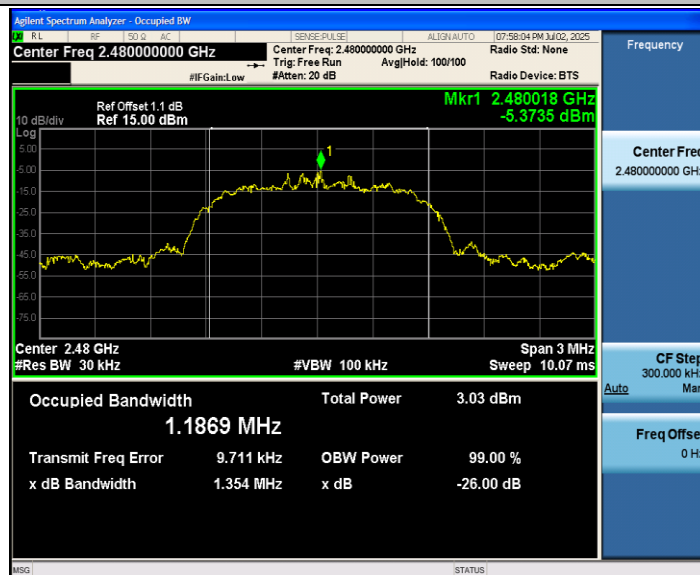
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Left:

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.55	≤20.97	PASS
		2441	0.32	≤20.97	PASS
		2480	0.23	≤20.97	PASS
2DH5	Ant1	2402	-0.29	≤20.97	PASS
		2441	-0.47	≤20.97	PASS
		2480	-0.53	≤20.97	PASS
3DH5	Ant1	2402	0.14	≤20.97	PASS
		2441	-0.09	≤20.97	PASS
		2480	-0.18	≤20.97	PASS

Right:

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.73	≤20.97	PASS
		2441	0.43	≤20.97	PASS
		2480	0.39	≤20.97	PASS
2DH5	Ant1	2402	-0.14	≤20.97	PASS
		2441	-0.29	≤20.97	PASS
		2480	-0.46	≤20.97	PASS
3DH5	Ant1	2402	0.48	≤20.97	PASS
		2441	-0.14	≤20.97	PASS
		2480	-0.26	≤20.97	PASS

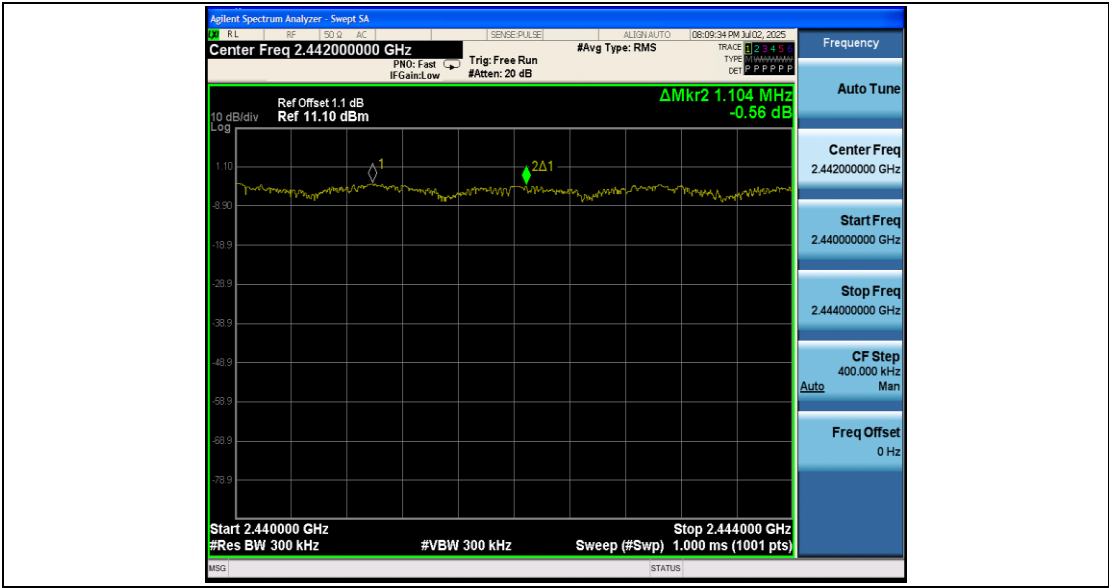
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥ 0.954	PASS
2DH5	Ant1	Hop	1.056	≥ 0.886	PASS
3DH5	Ant1	Hop	1.104	≥ 0.870	PASS

Test Graphs



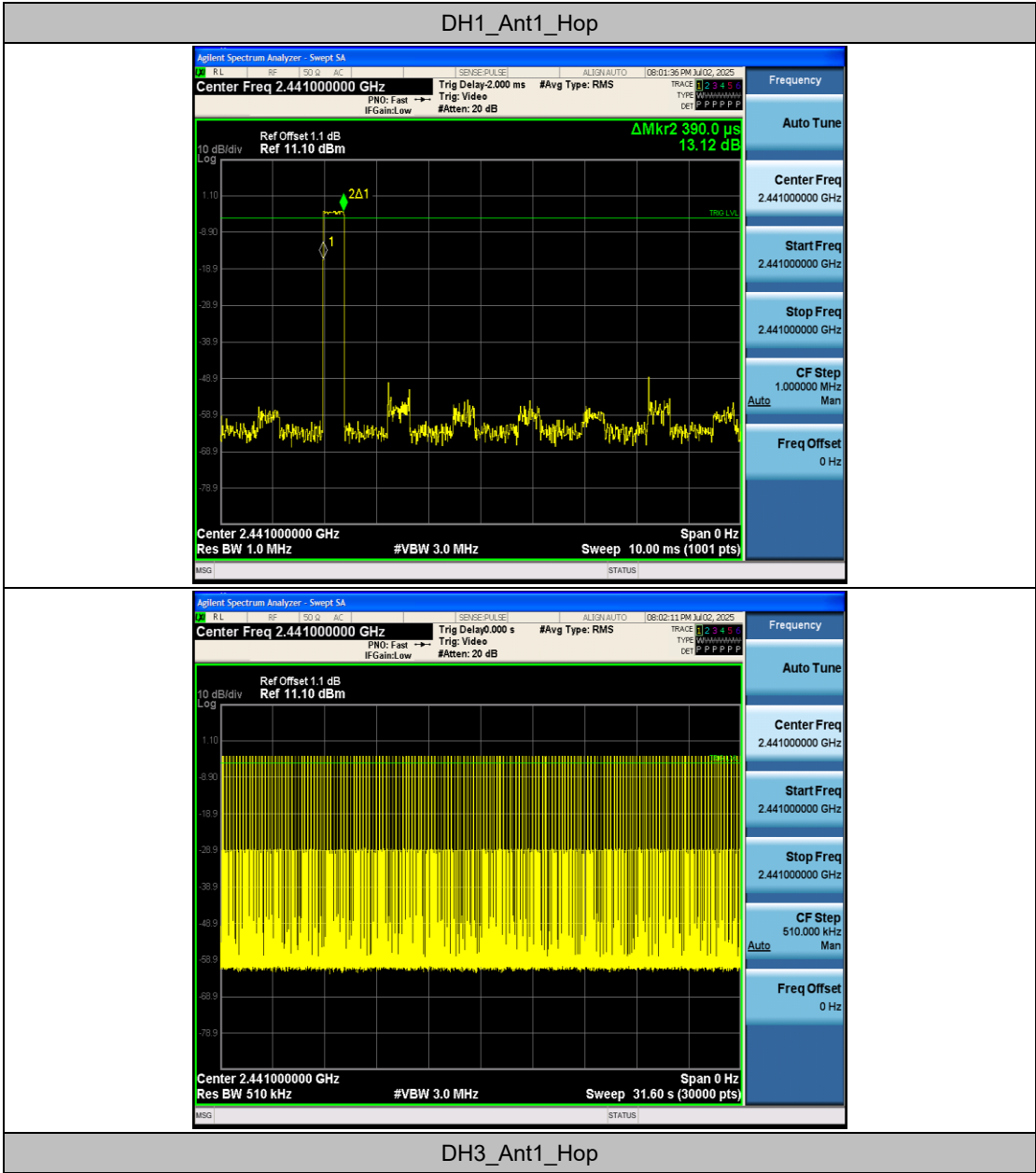


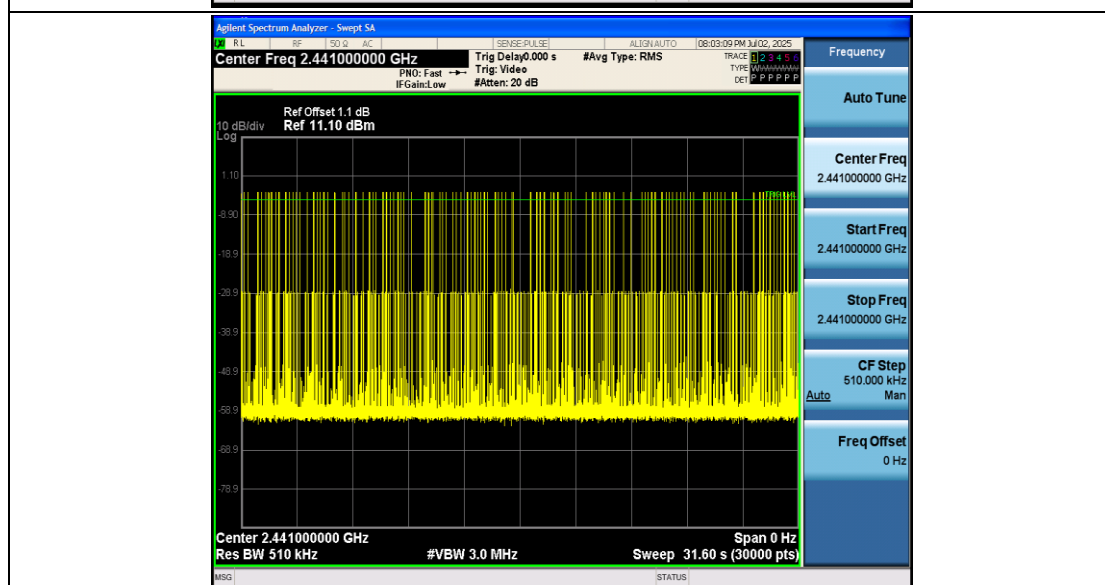
Appendix E: Time of occupancy

Test Result

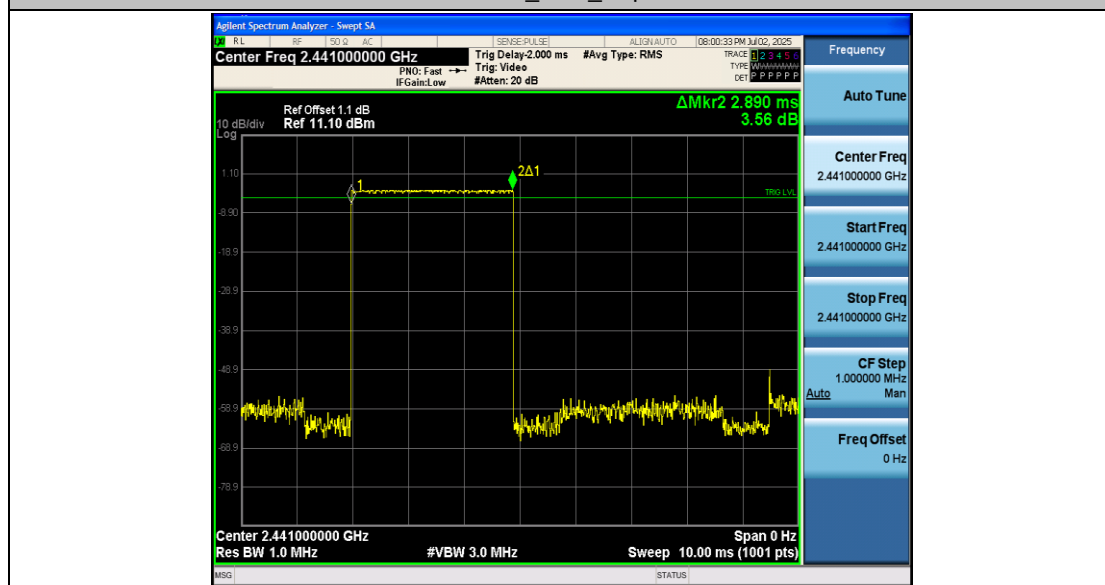
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	313	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.650	149	0.246	≤0.4	PASS
DH5	Ant1	Hop	2.890	105	0.303	≤0.4	PASS
2DH1	Ant1	Hop	0.400	319	0.128	≤0.4	PASS
2DH3	Ant1	Hop	1.650	161	0.266	≤0.4	PASS
2DH5	Ant1	Hop	2.900	115	0.334	≤0.4	PASS
3DH1	Ant1	Hop	0.400	319	0.128	≤0.4	PASS
3DH3	Ant1	Hop	1.650	160	0.264	≤0.4	PASS
3DH5	Ant1	Hop	2.900	113	0.328	≤0.4	PASS

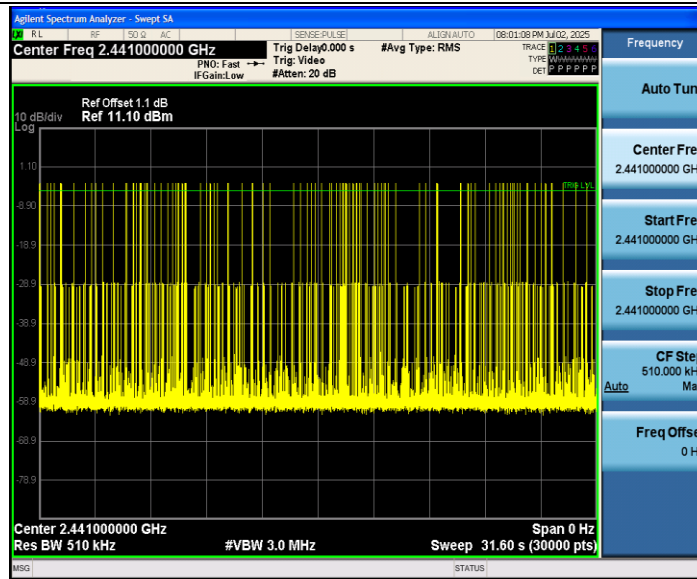
Test Graphs



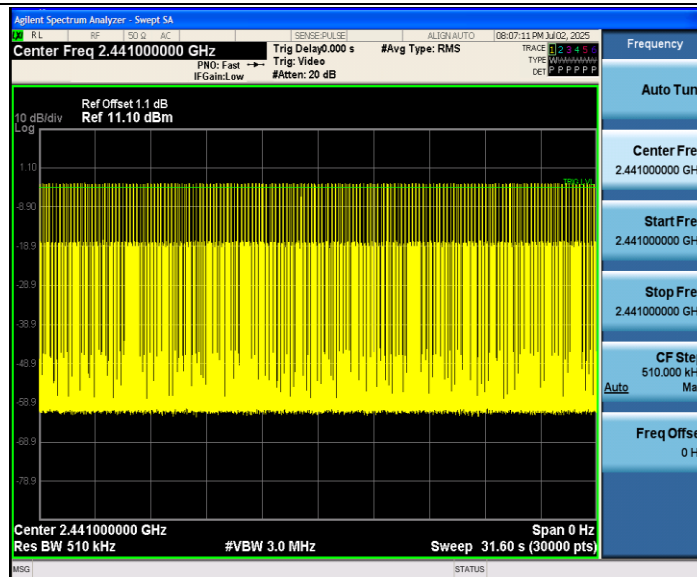
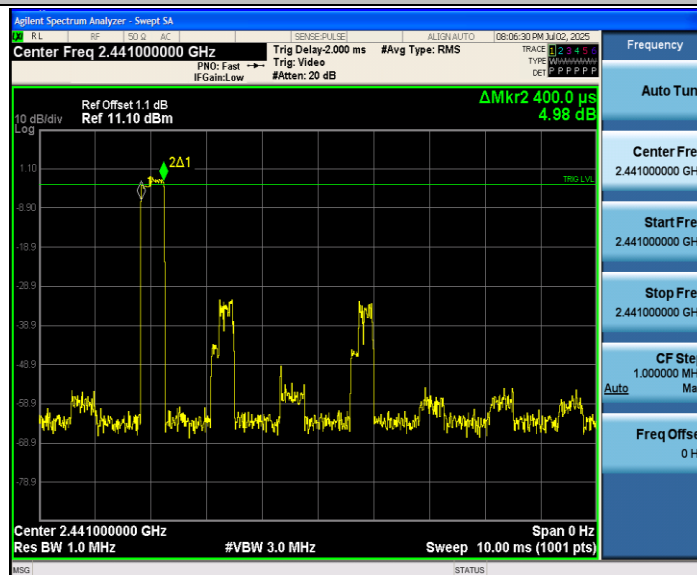


DH5_Ant1_Hop

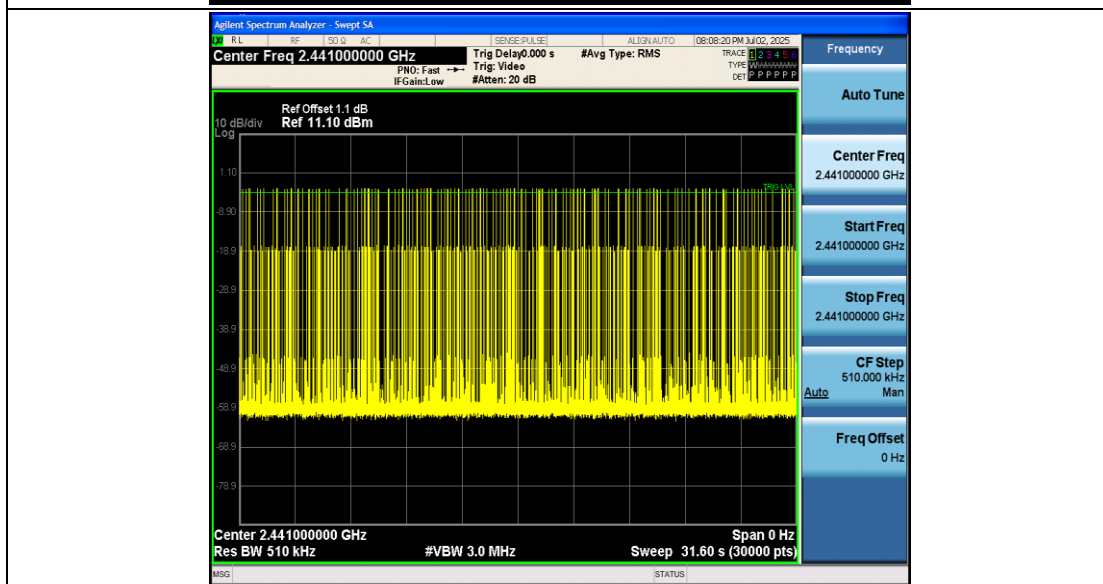




2DH1_Ant1_Hop

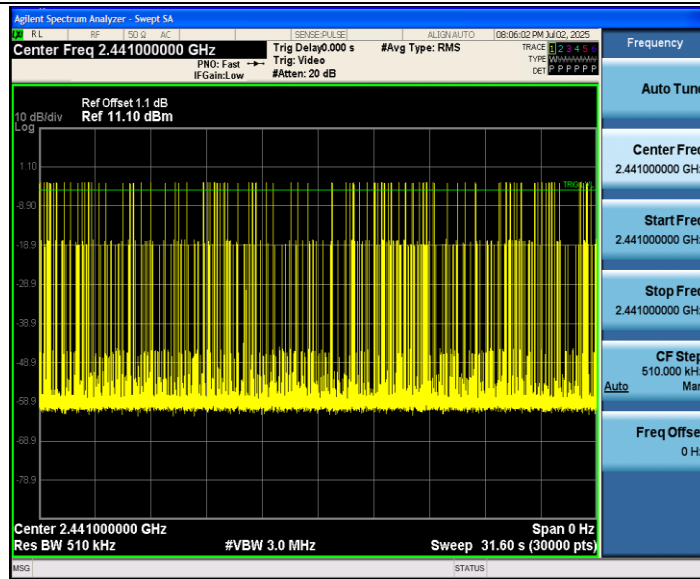


2DH3_Ant1_Hop

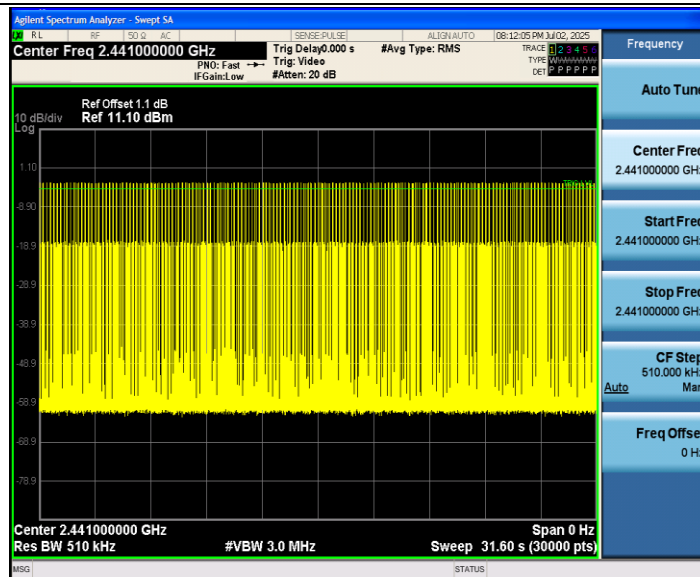
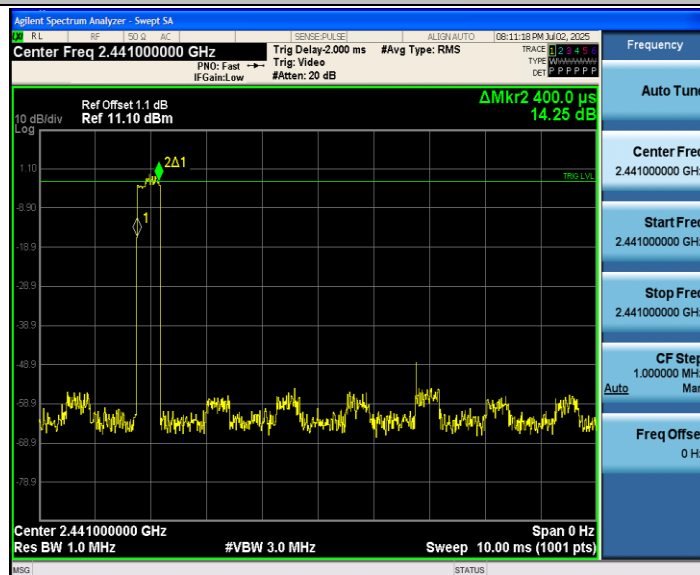


2DH5_Ant1_Hop

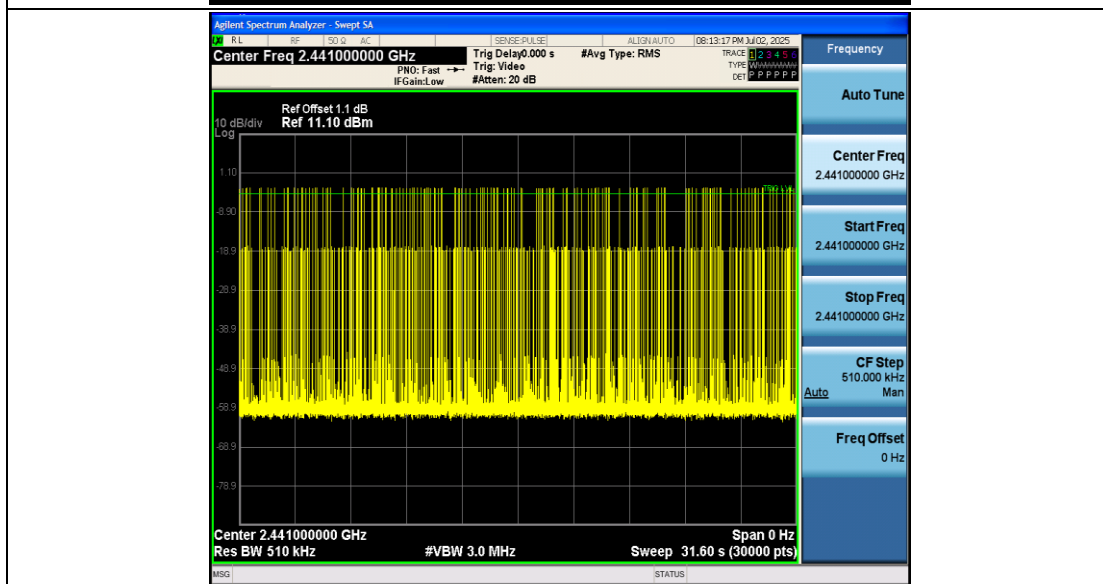
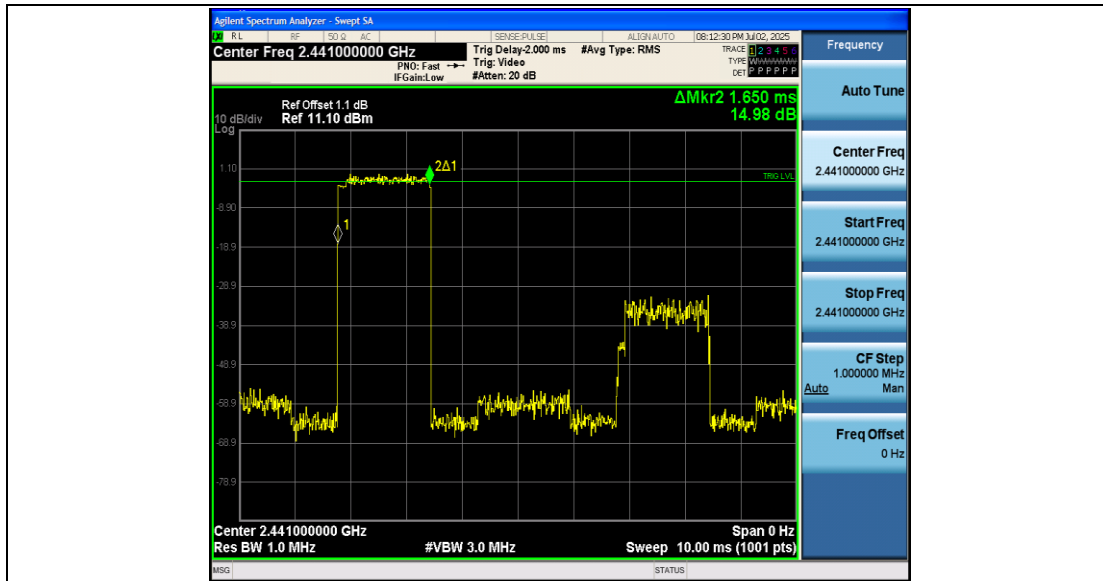




3DH1_Ant1_Hop

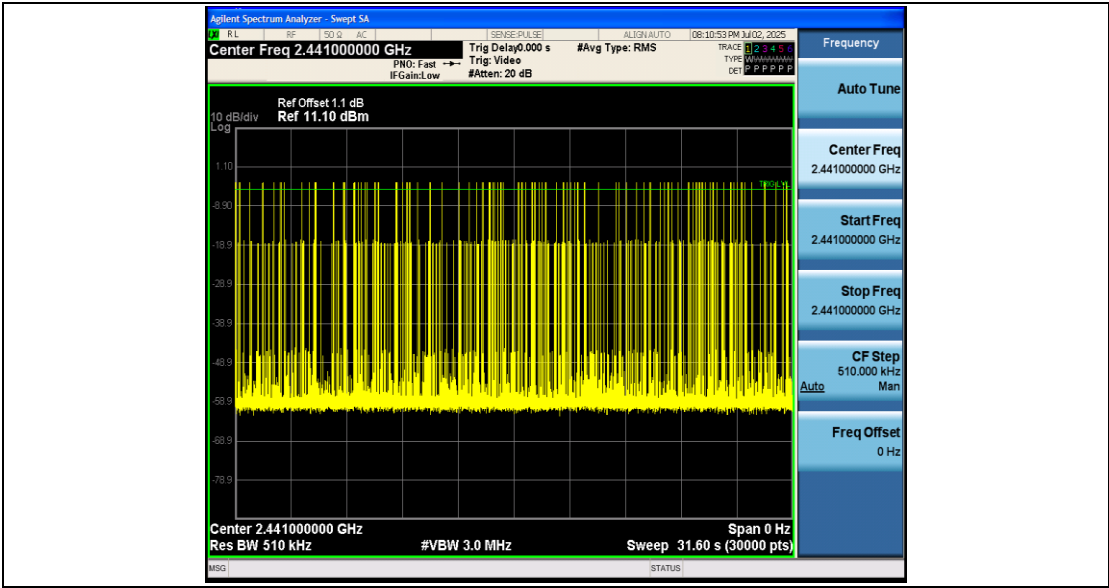


3DH3_Ant1_Hop



3DH5_Ant1_Hop





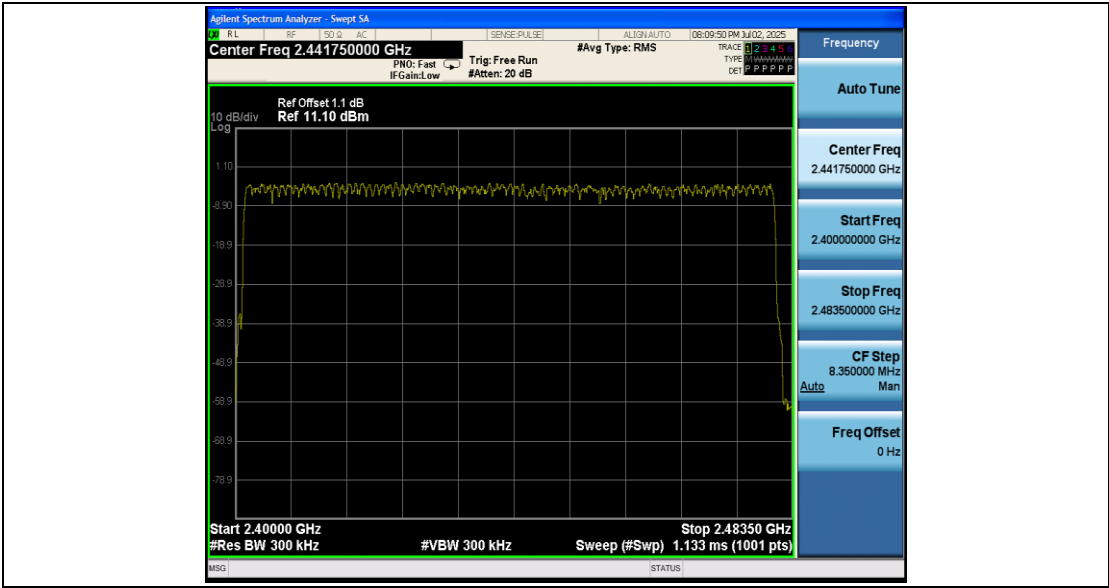
Appendix F: Number of hopping channels

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



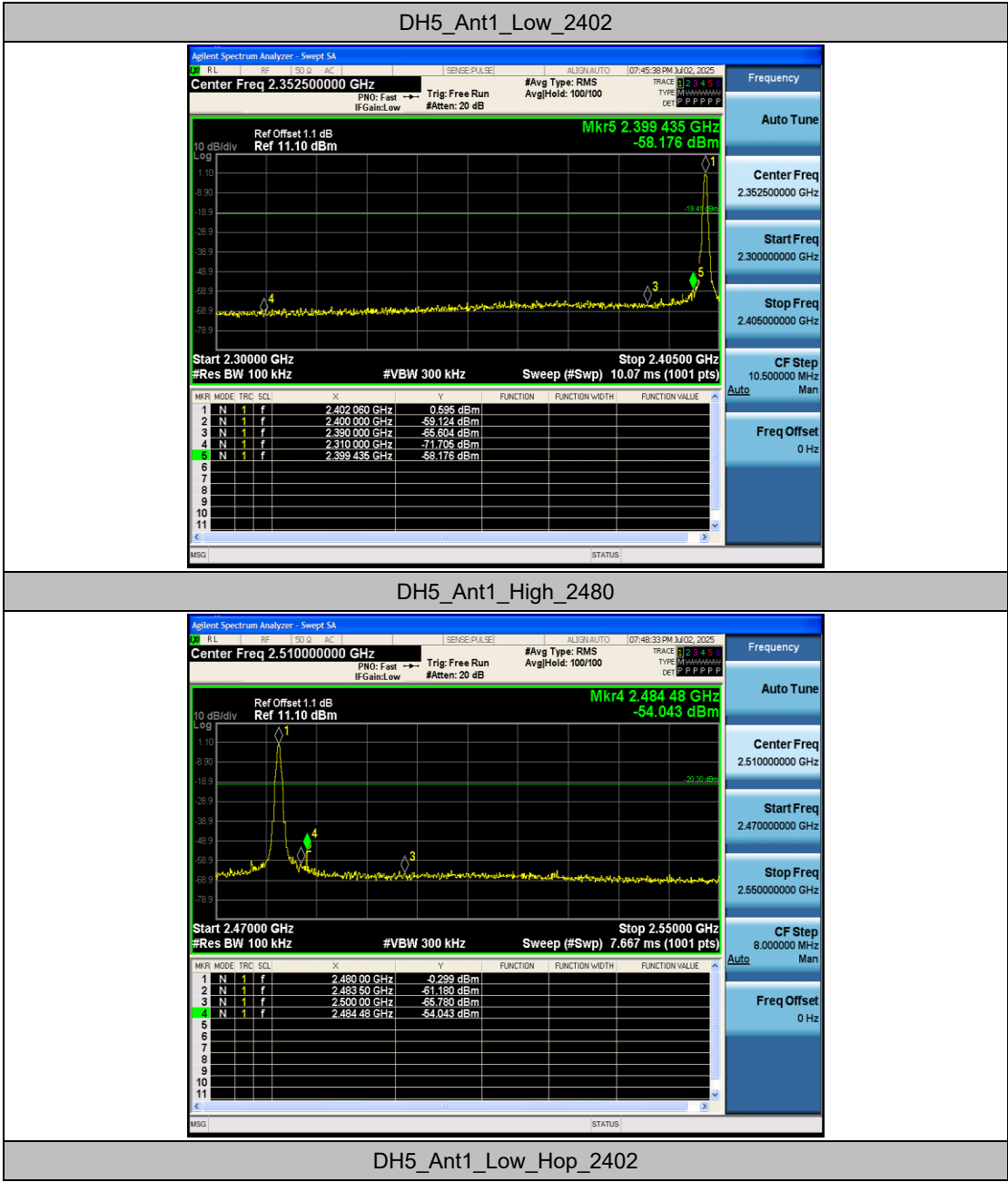


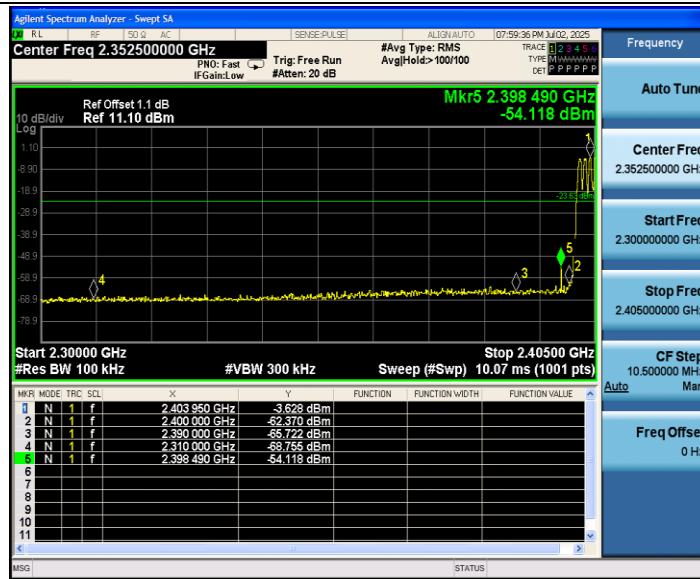
Appendix G: Band edge measurements

Test Result

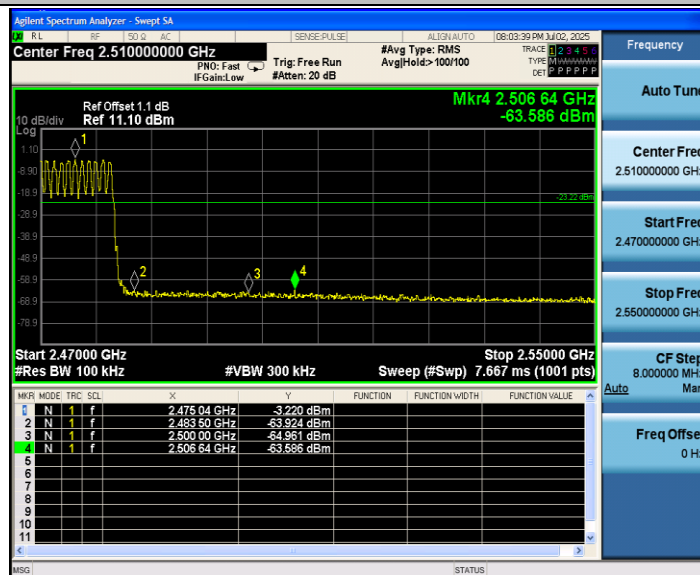
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.60	-58.18	≤-19.41	PASS
		High	2480	-0.30	-54.04	≤-20.3	PASS
		Low	Hop_2402	-3.63	-54.12	≤-23.63	PASS
		High	Hop_2480	-3.22	-63.59	≤-23.22	PASS
2DH5	Ant1	Low	2402	-4.20	-60.15	≤-24.2	PASS
		High	2480	-3.44	-55.99	≤-23.44	PASS
		Low	Hop_2402	-4.58	-57.79	≤-24.58	PASS
		High	Hop_2480	-4.67	-62.59	≤-24.67	PASS
3DH5	Ant1	Low	2402	-5.65	-56.9	≤-25.65	PASS
		High	2480	-3.99	-58.6	≤-23.99	PASS
		Low	Hop_2402	-5.75	-60.9	≤-25.75	PASS
		High	Hop_2480	-4.55	-57.99	≤-24.55	PASS

Test Graphs

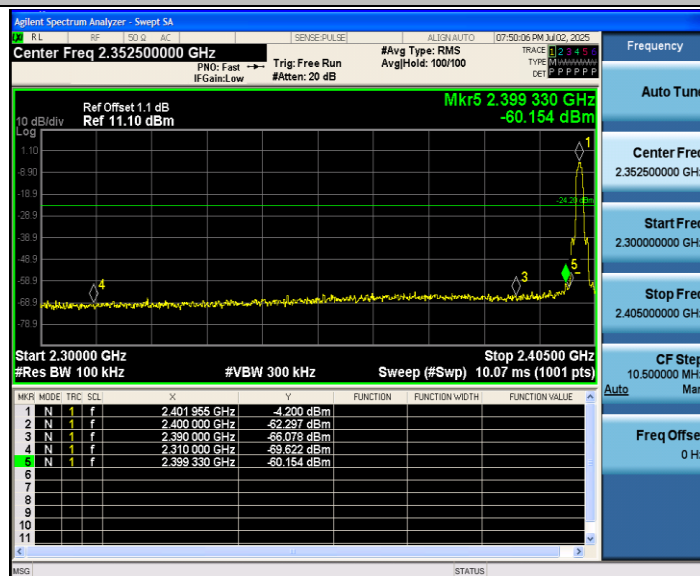




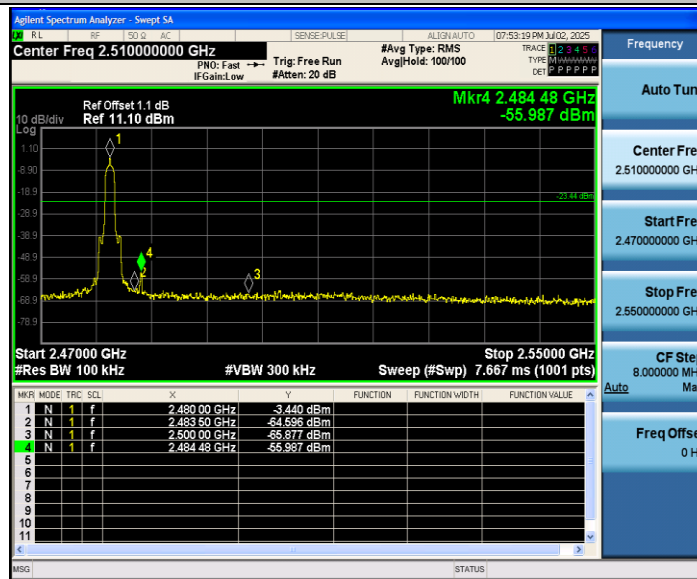
DH5_Ant1_High_Hop_2480



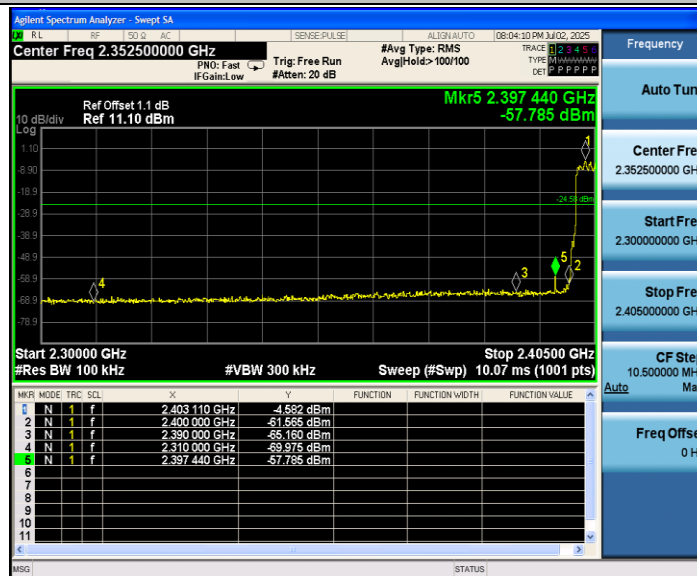
2DH5_Ant1_Low_2402



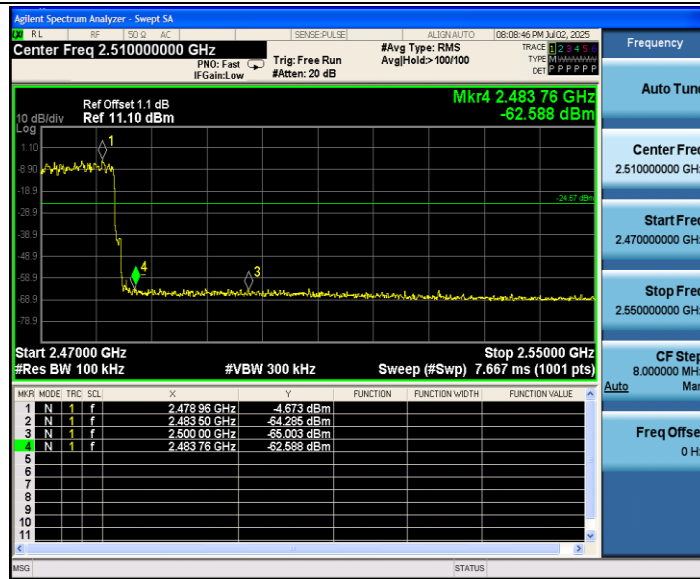
2DH5_Ant1_High_2480



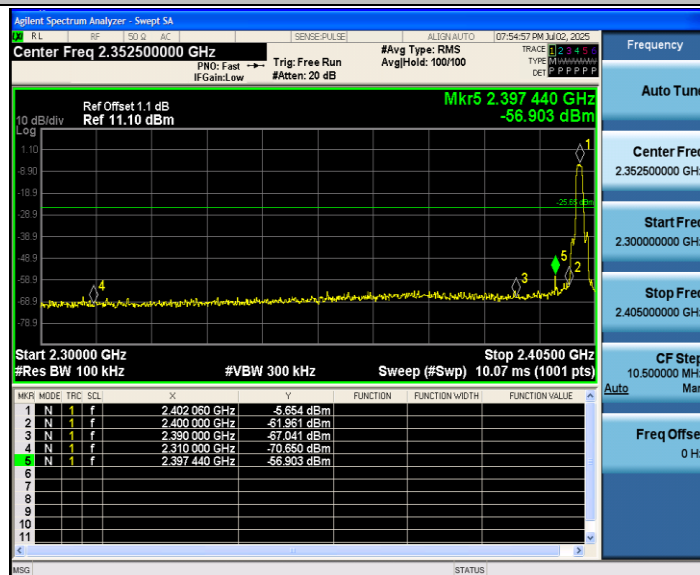
2DH5_Ant1_Low_Hop_2402



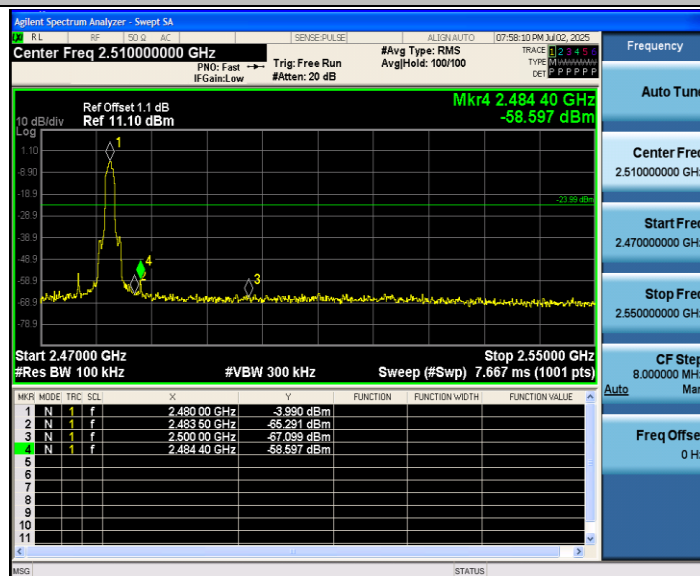
2DH5_Ant1_High_Hop_2480



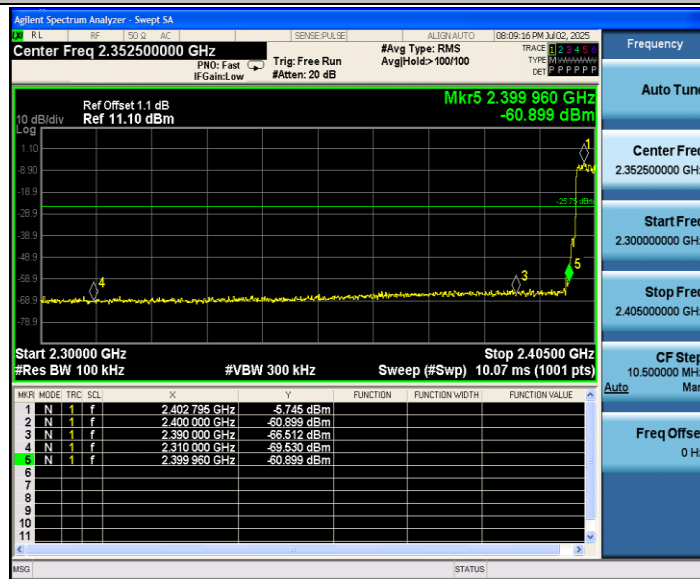
3DH5_Ant1_Low_2402



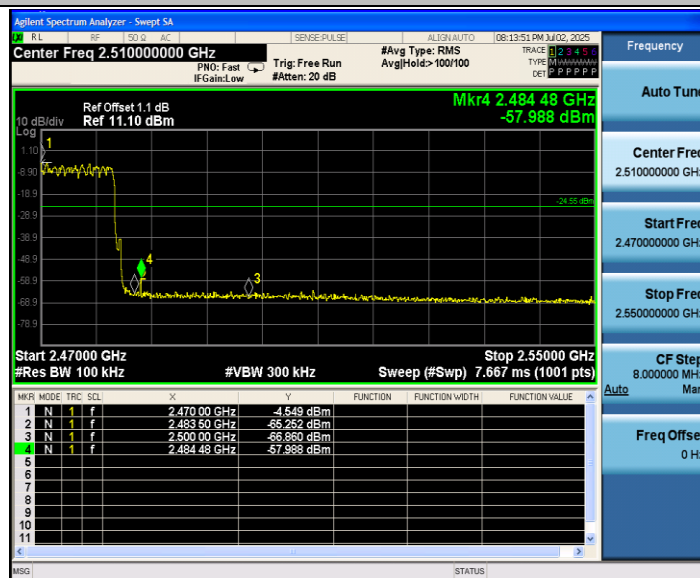
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

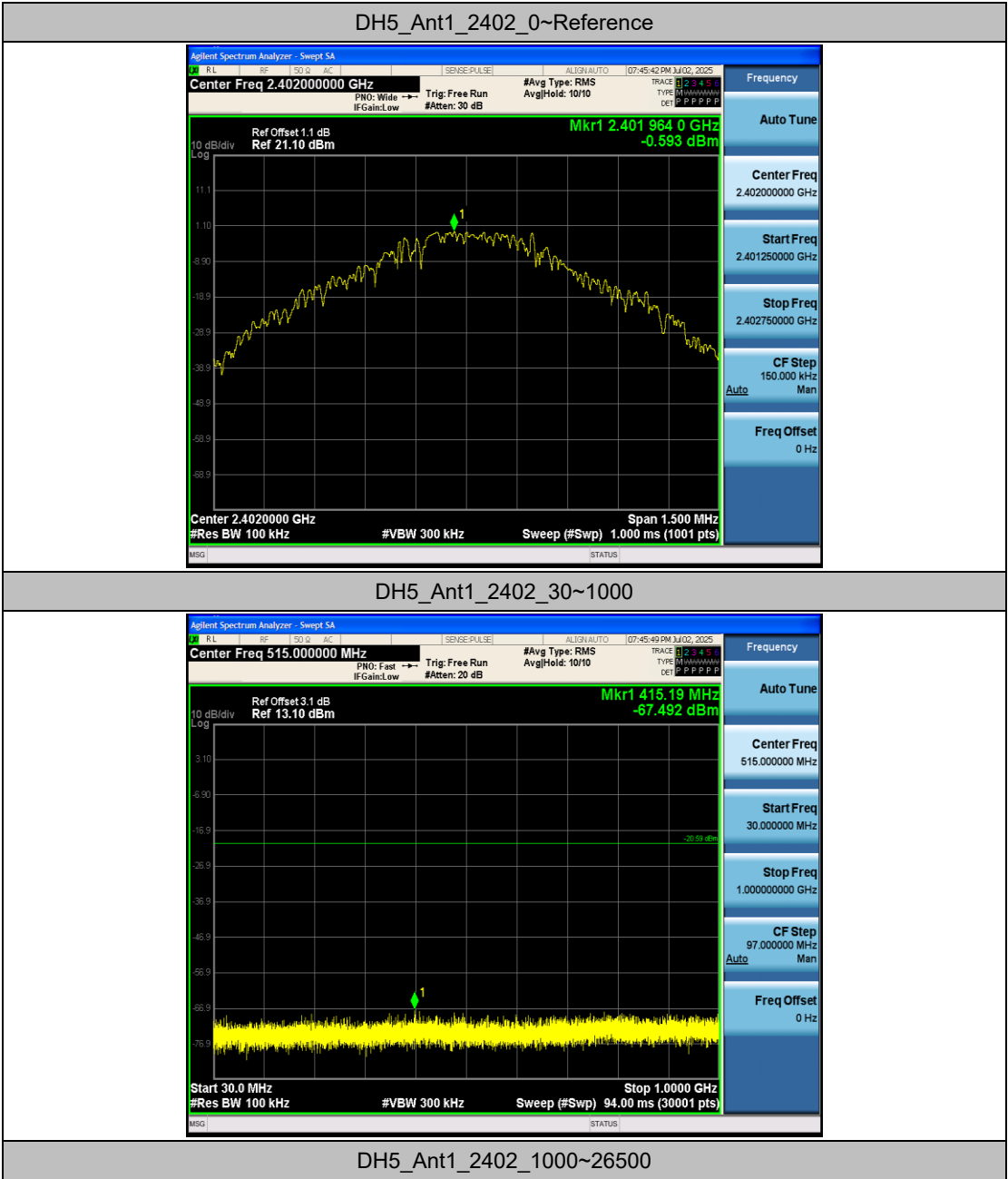


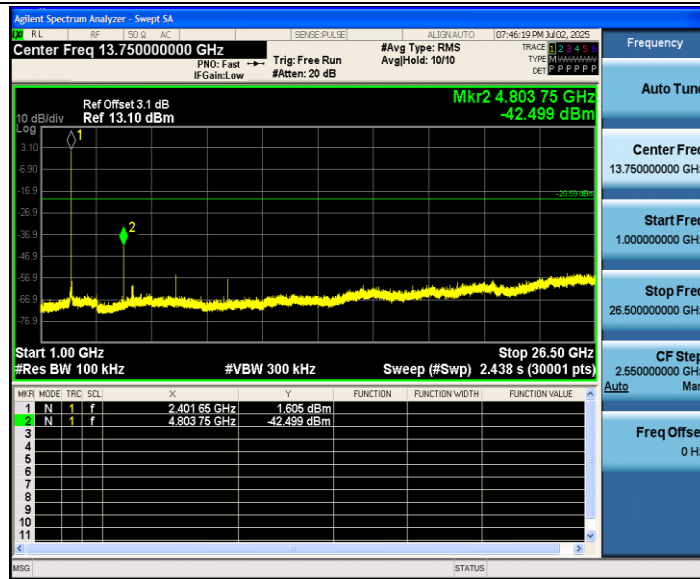
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.59	-0.59	---	PASS
			30~1000	-0.59	-67.49	≤-20.59	PASS
			1000~26500	-0.59	-42.5	≤-20.59	PASS
		2441	Reference	-0.19	-0.19	---	PASS
			30~1000	-0.19	-67.44	≤-20.19	PASS
			1000~26500	-0.19	-40.79	≤-20.19	PASS
		2480	Reference	-0.64	-0.64	---	PASS
			30~1000	-0.64	-66.76	≤-20.64	PASS
			1000~26500	-0.64	-42.69	≤-20.64	PASS
2DH5	Ant1	2402	Reference	-4.45	-4.45	---	PASS
			30~1000	-4.45	-66.98	≤-24.45	PASS
			1000~26500	-4.45	-46.05	≤-24.45	PASS
		2441	Reference	-4.24	-4.24	---	PASS
			30~1000	-4.24	-66.96	≤-24.24	PASS
			1000~26500	-4.24	-45.49	≤-24.24	PASS
		2480	Reference	-4.57	-4.57	---	PASS
			30~1000	-4.57	-67.28	≤-24.57	PASS
			1000~26500	-4.57	-48.12	≤-24.57	PASS
3DH5	Ant1	2402	Reference	-5.47	-5.47	---	PASS
			30~1000	-5.47	-67.83	≤-25.47	PASS
			1000~26500	-5.47	-49.45	≤-25.47	PASS
		2441	Reference	-3.77	-3.77	---	PASS
			30~1000	-3.77	-66.5	≤-23.77	PASS
			1000~26500	-3.77	-47.59	≤-23.77	PASS
		2480	Reference	-6.34	-6.34	---	PASS
			30~1000	-6.34	-67.19	≤-26.34	PASS
			1000~26500	-6.34	-46.53	≤-26.34	PASS

Test Graphs

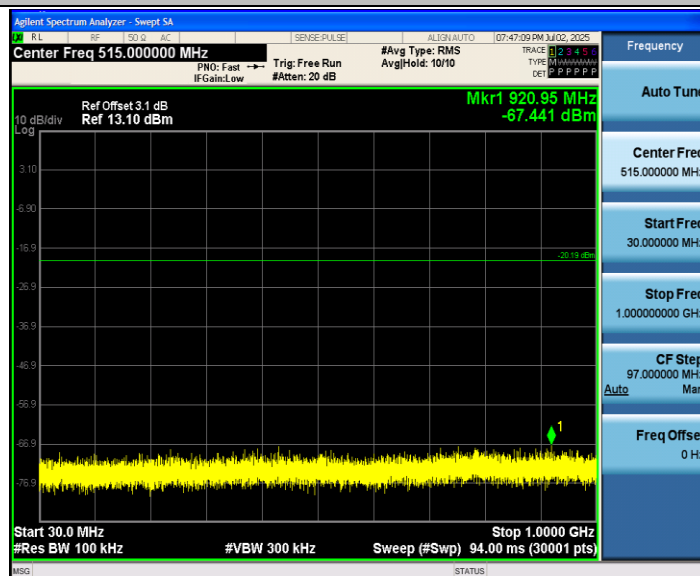




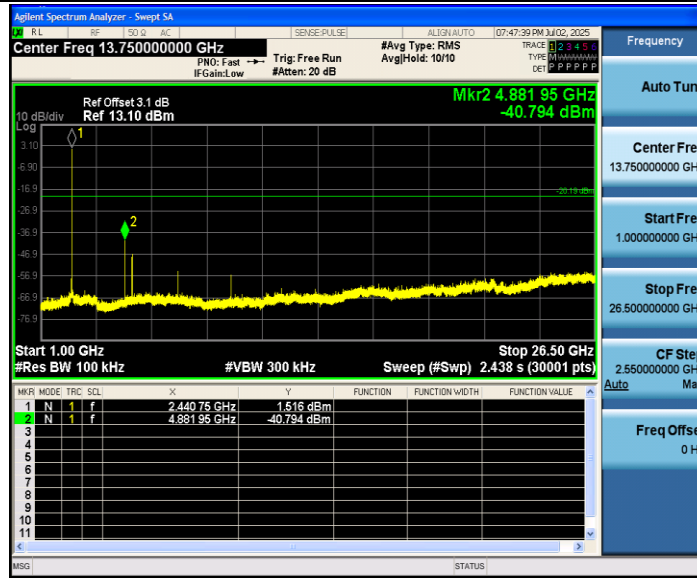
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000