

FCC Appendix RF Test Data for BT

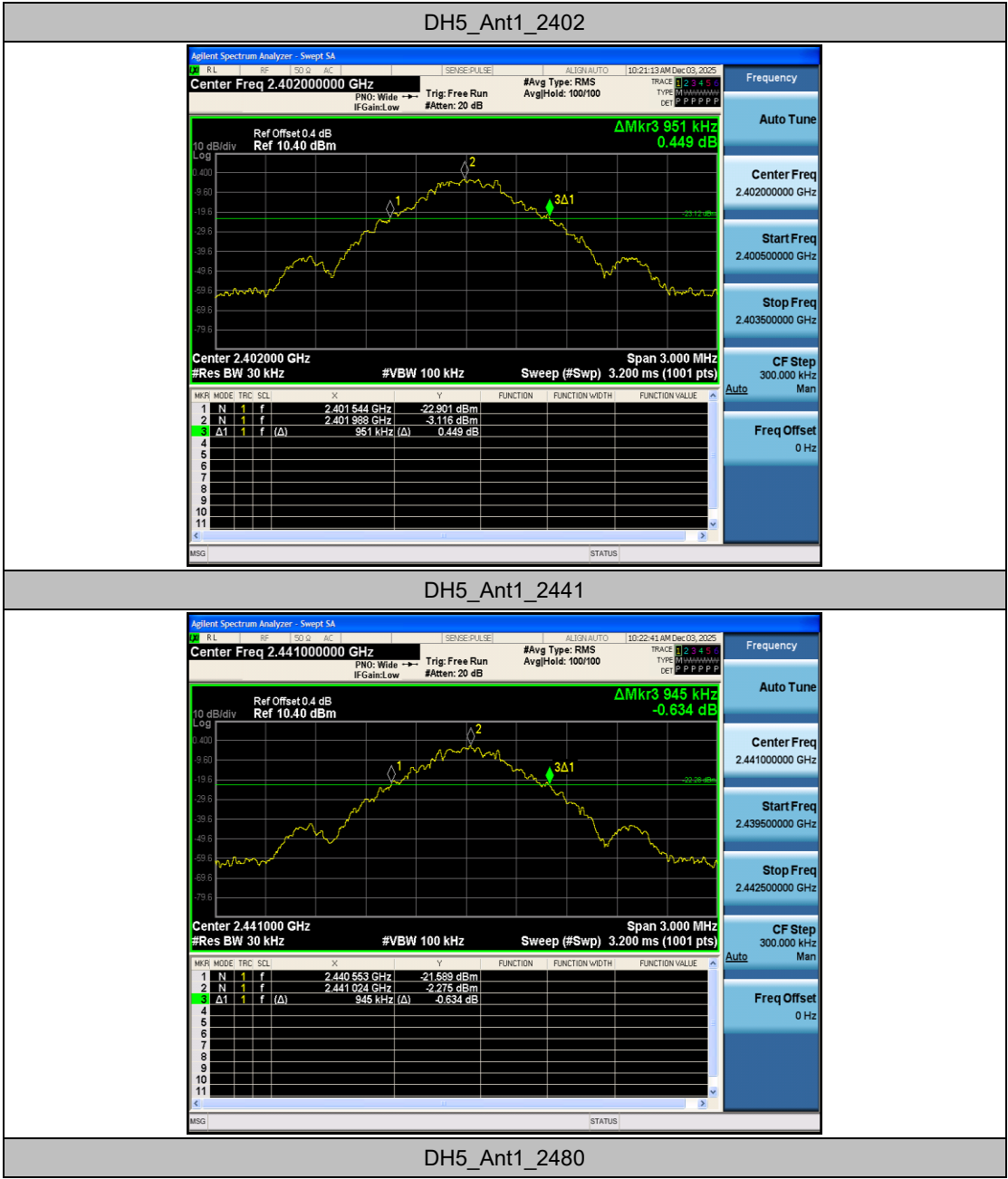
FCC ID : 2BTTF-R1012Y
Company : OPTIKA S.R.L
EUT : Tablet PC
Model Number : R1012Y
Report No. : CTA25112501402
Reviewed By : Eric Wang

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	2401.544	2402.495	---	---
		2441	0.945	2440.553	2441.498	---	---
		2480	0.972	2479.535	2480.507	---	---
2DH5	Ant1	2402	1.341	2401.337	2402.678	---	---
		2441	1.338	2440.340	2441.678	---	---
		2480	1.305	2479.361	2480.666	---	---
3DH5	Ant1	2402	1.344	2401.334	2402.678	---	---
		2441	1.317	2440.352	2441.669	---	---
		2480	1.278	2479.382	2480.660	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

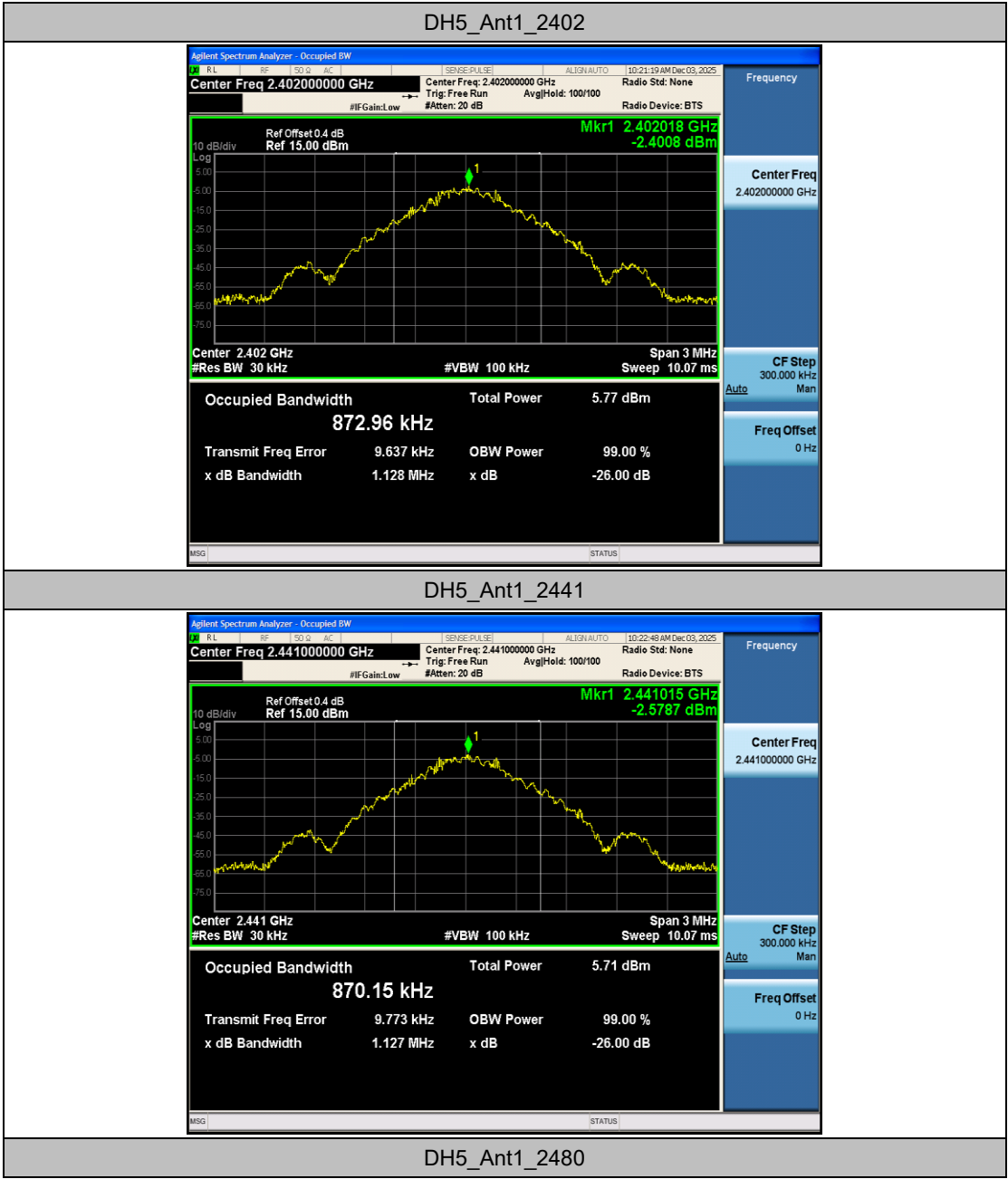


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87296	2401.5732	2402.4461	---	---
		2441	0.87015	2440.5747	2441.4448	---	---
		2480	0.86841	2479.5763	2480.4447	---	---
2DH5	Ant1	2402	1.1913	2401.4168	2402.6081	---	---
		2441	1.1933	2440.4151	2441.6084	---	---
		2480	1.1949	2479.4144	2480.6093	---	---
3DH5	Ant1	2402	1.1896	2401.4162	2402.6058	---	---
		2441	1.1892	2440.4170	2441.6062	---	---
		2480	1.1878	2479.4174	2480.6052	---	---

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	0.00	≤20.97	PASS
		2441	-0.26	≤20.97	PASS
		2480	-0.33	≤20.97	PASS
2DH5	Ant1	2402	-0.83	≤20.97	PASS
		2441	-1.03	≤20.97	PASS
		2480	-1.15	≤20.97	PASS
3DH5	Ant1	2402	-0.85	≤20.97	PASS
		2441	-1.05	≤20.97	PASS
		2480	-1.13	≤20.97	PASS

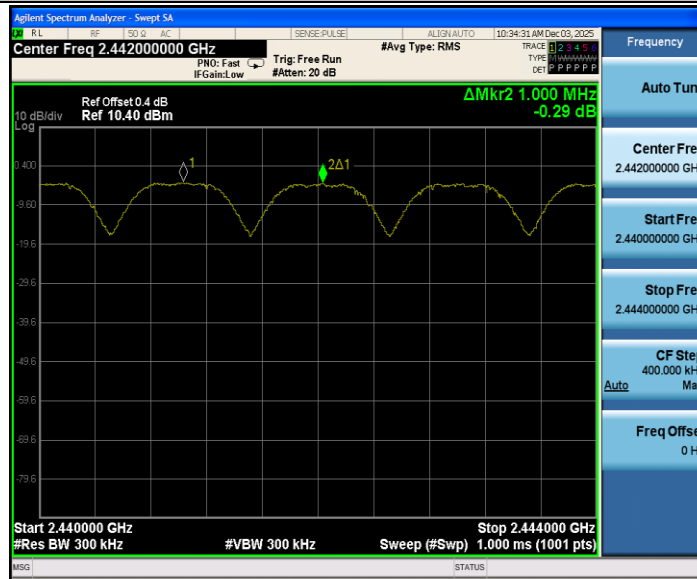
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥ 0.972	PASS
2DH5	Ant1	Hop	1.256	≥ 0.894	PASS
3DH5	Ant1	Hop	0.988	≥ 0.896	PASS

Test Graphs

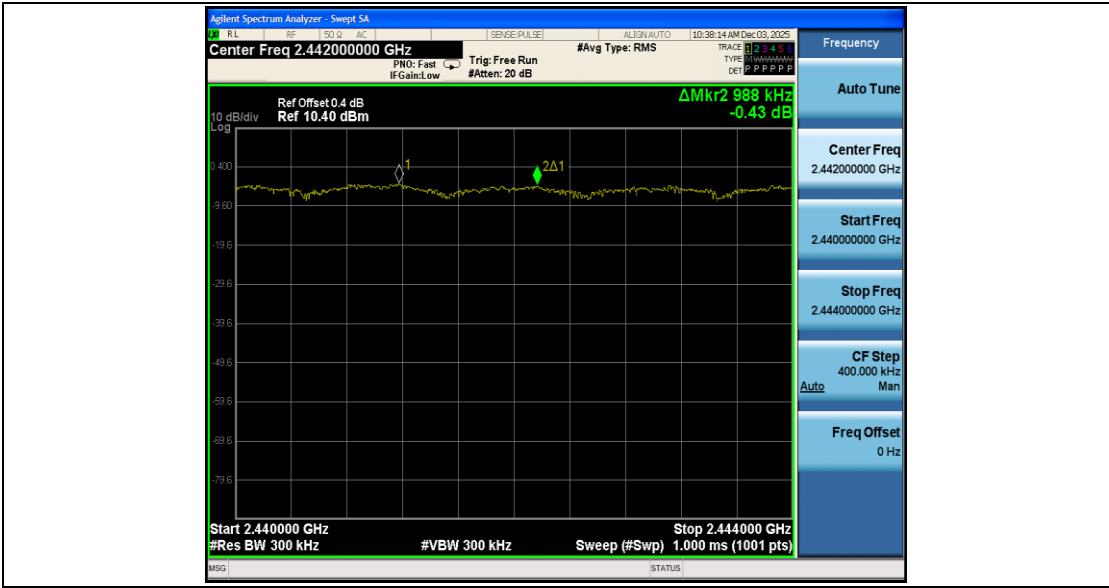
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

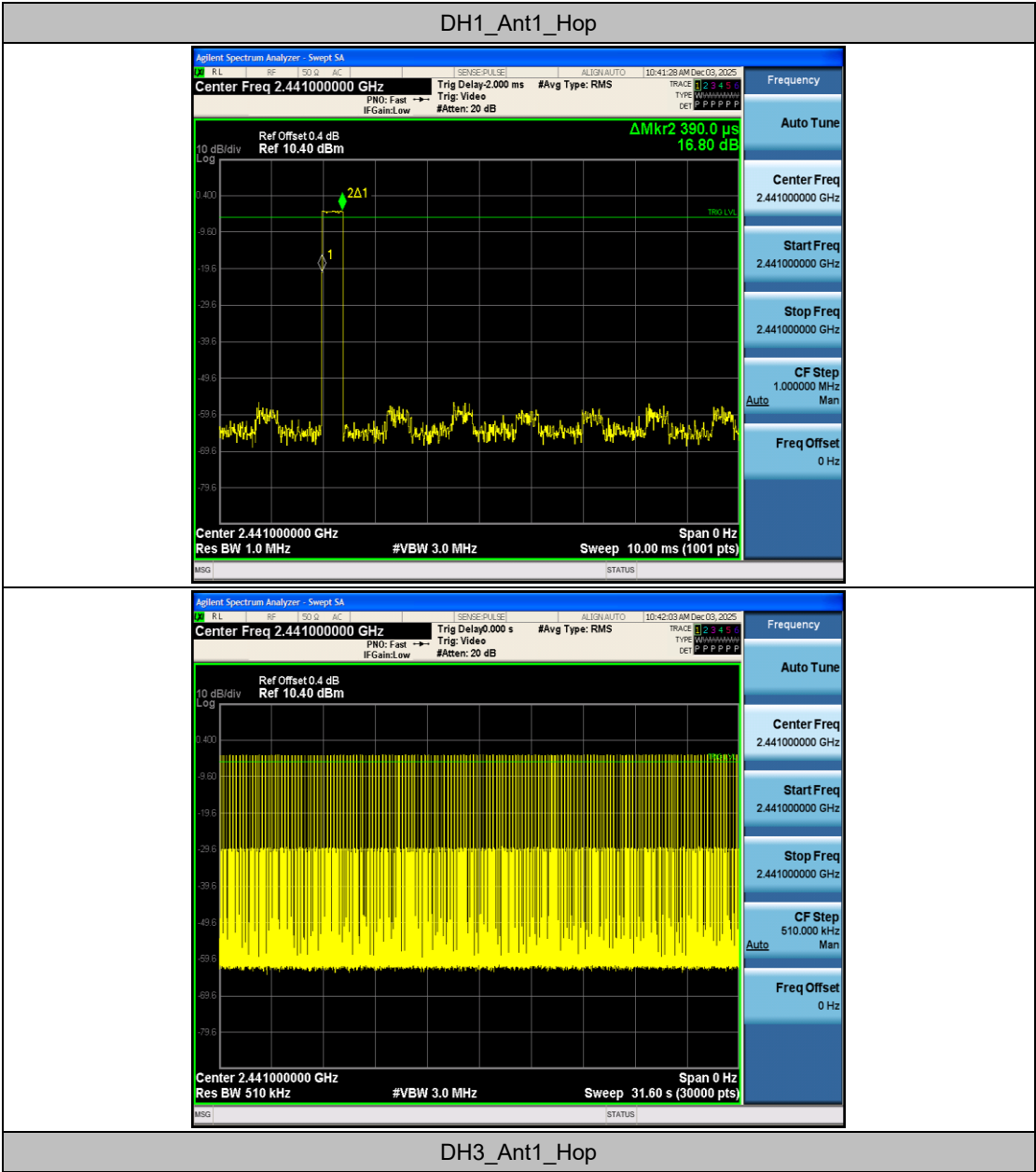


Appendix E: Time of occupancy

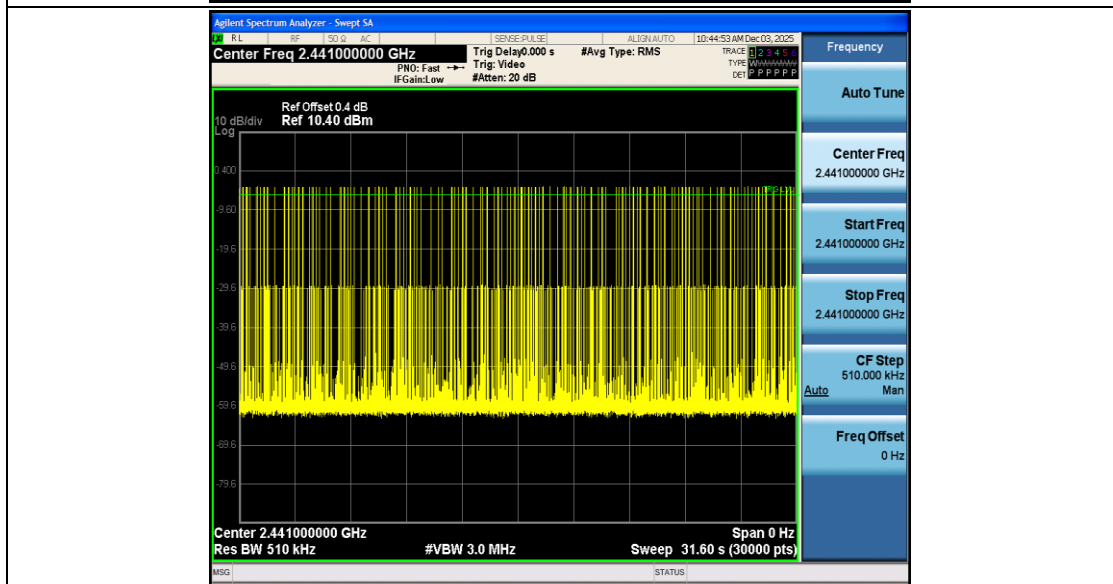
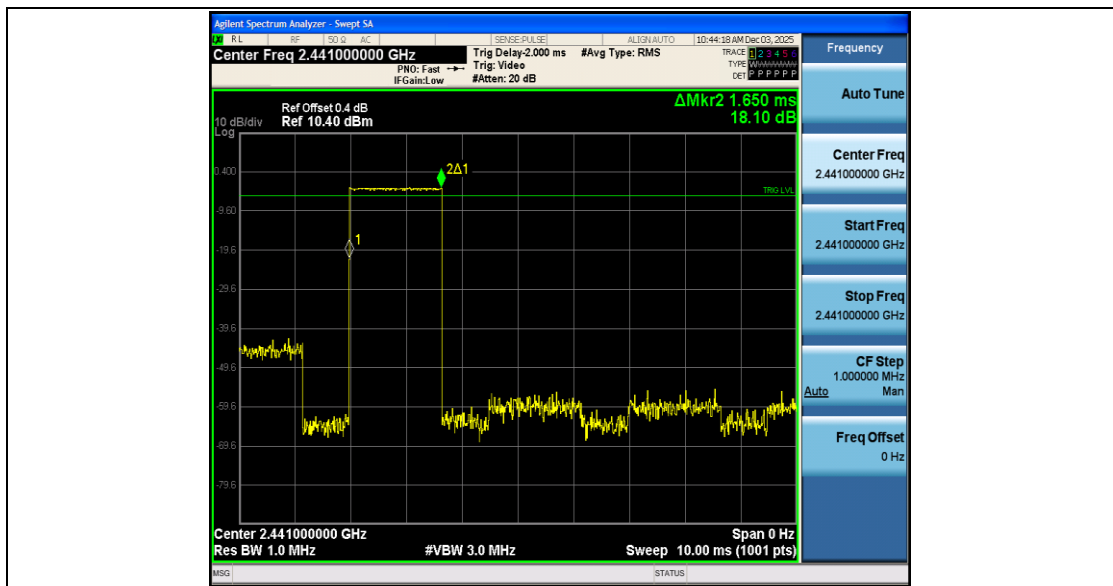
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	317	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.650	164	0.271	≤0.4	PASS
DH5	Ant1	Hop	2.890	104	0.301	≤0.4	PASS
2DH1	Ant1	Hop	0.380	317	0.12	≤0.4	PASS
2DH3	Ant1	Hop	1.640	165	0.271	≤0.4	PASS
2DH5	Ant1	Hop	2.900	104	0.302	≤0.4	PASS
3DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.640	160	0.262	≤0.4	PASS
3DH5	Ant1	Hop	2.890	91	0.263	≤0.4	PASS

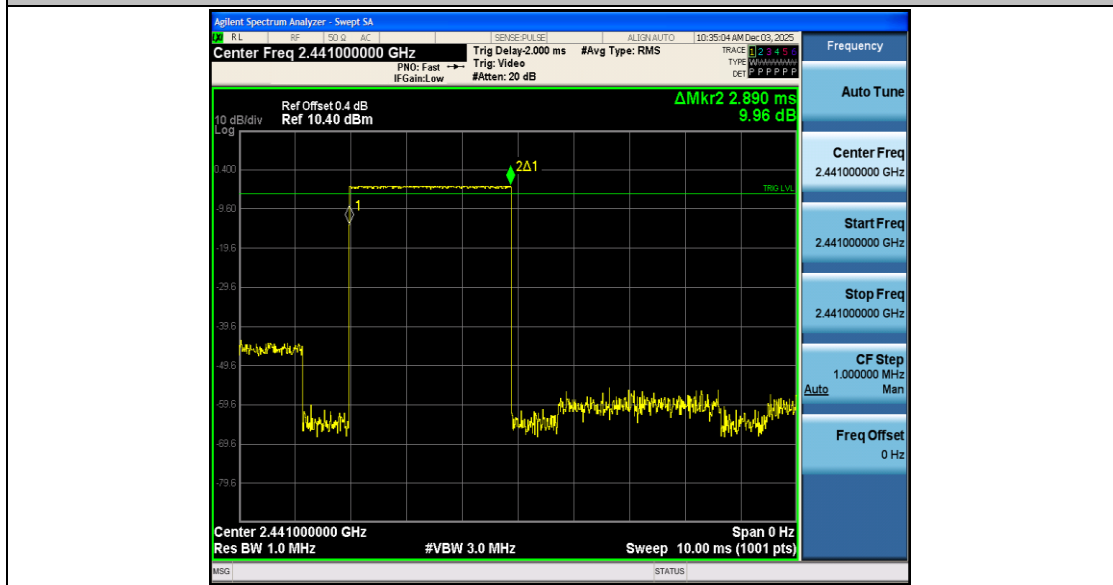
Test Graphs

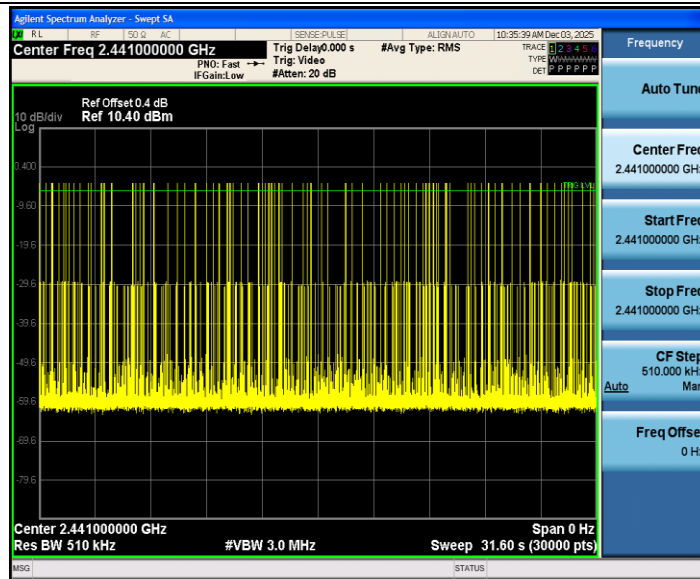


DH3_Ant1_Hop

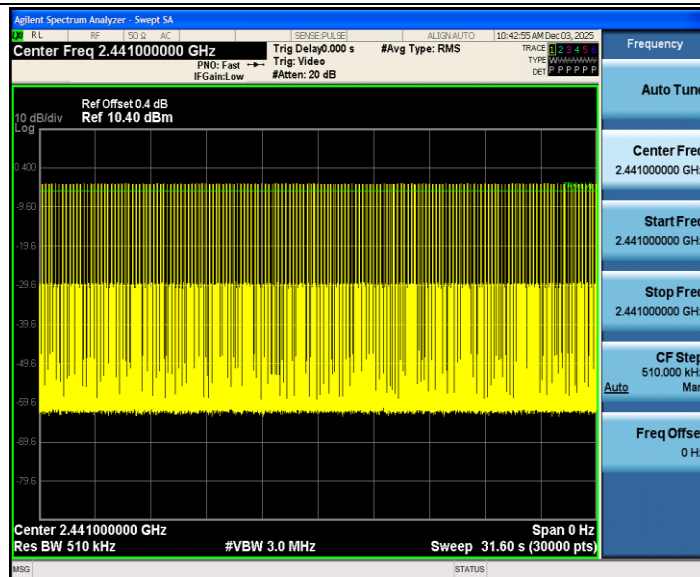
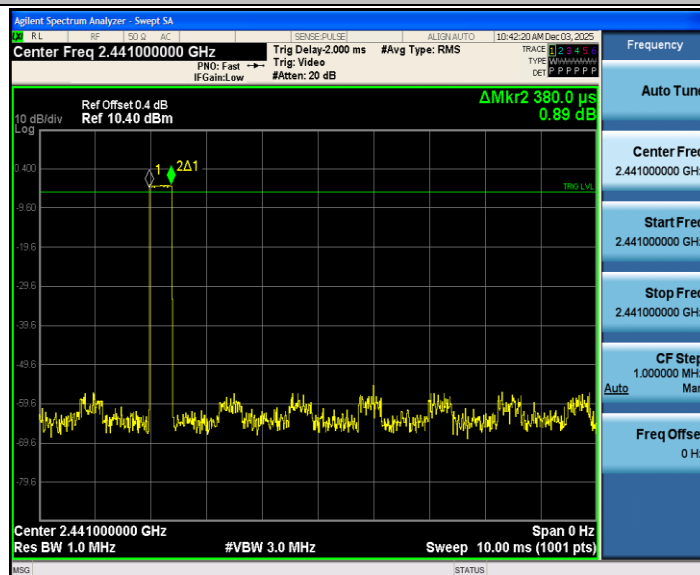


DH5_Ant1_Hop

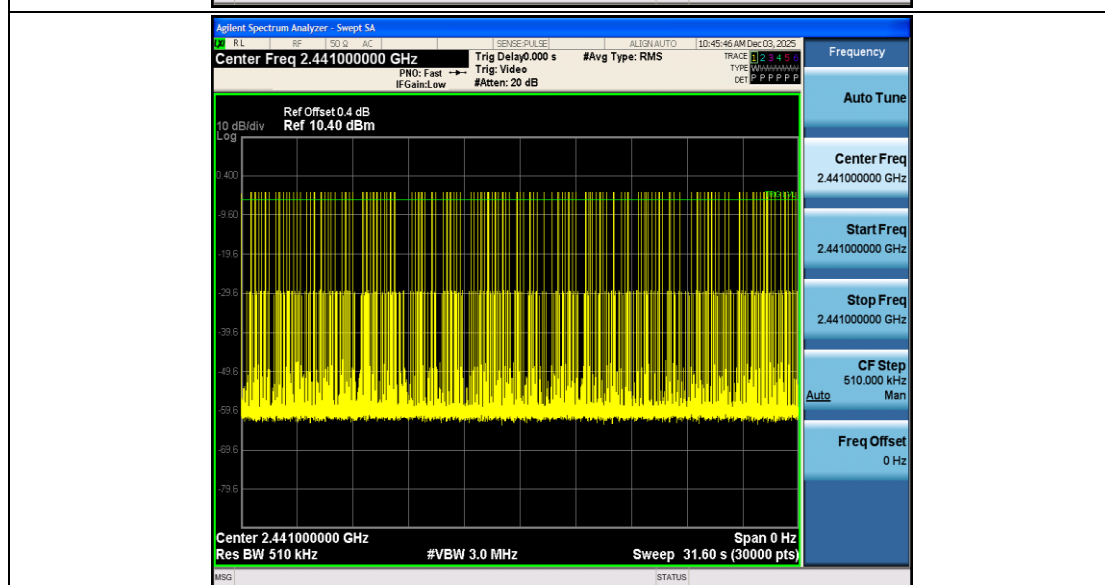




2DH1_Ant1_Hop

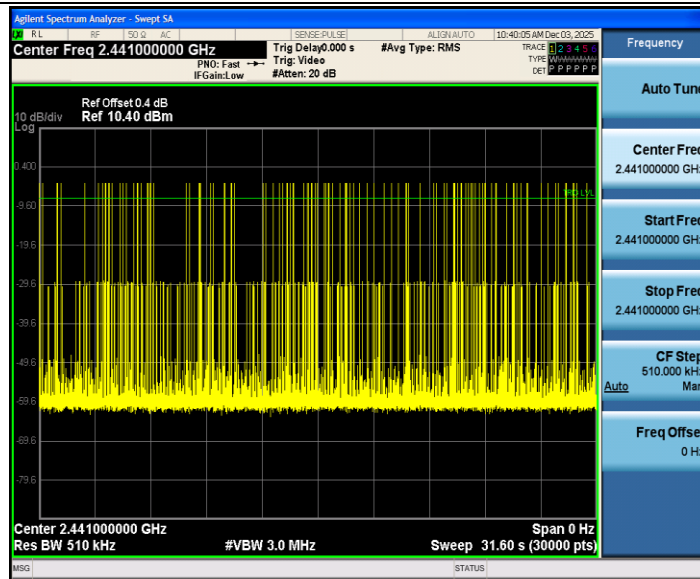


2DH3_Ant1_Hop

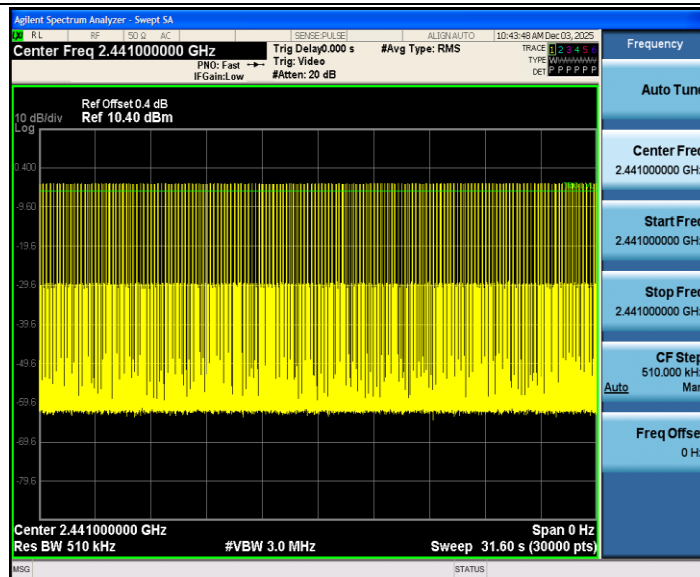
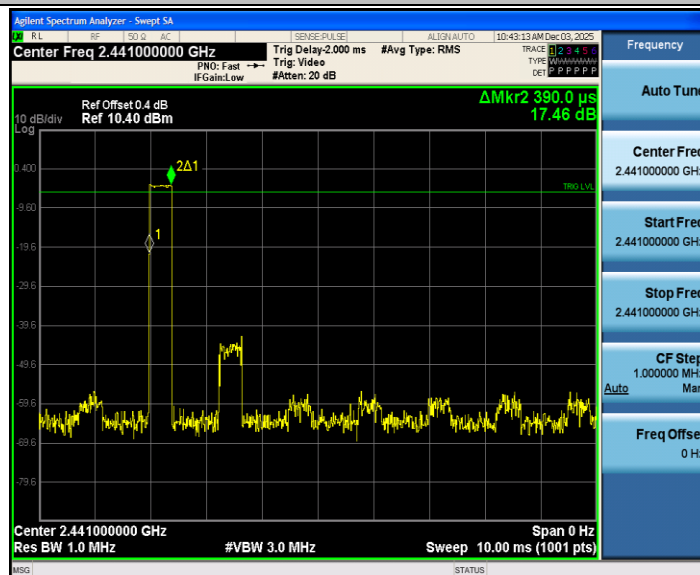


2DH5_Ant1_Hop

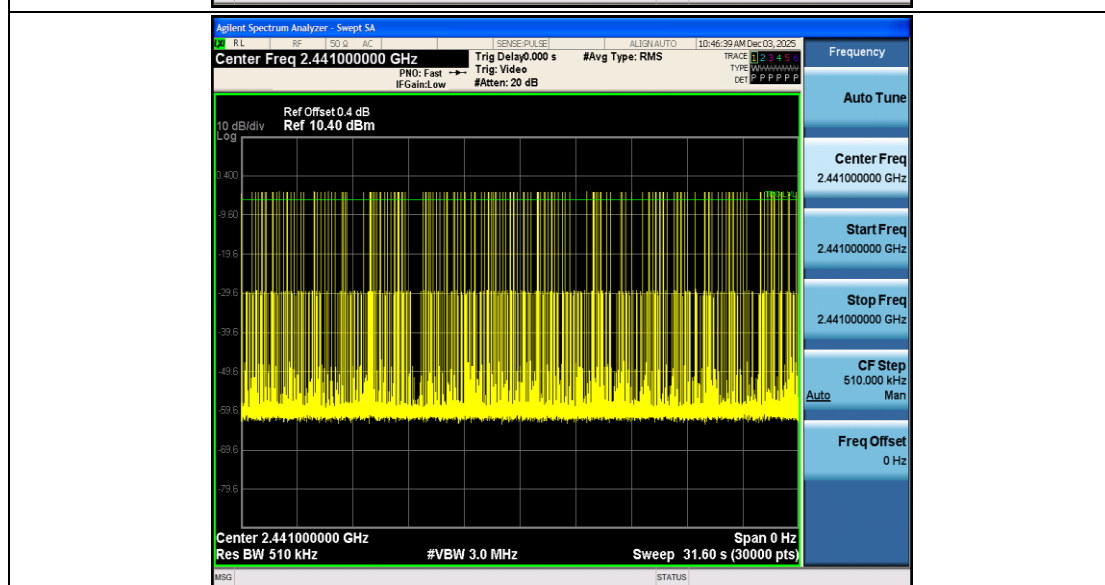




3DH1_Ant1_Hop

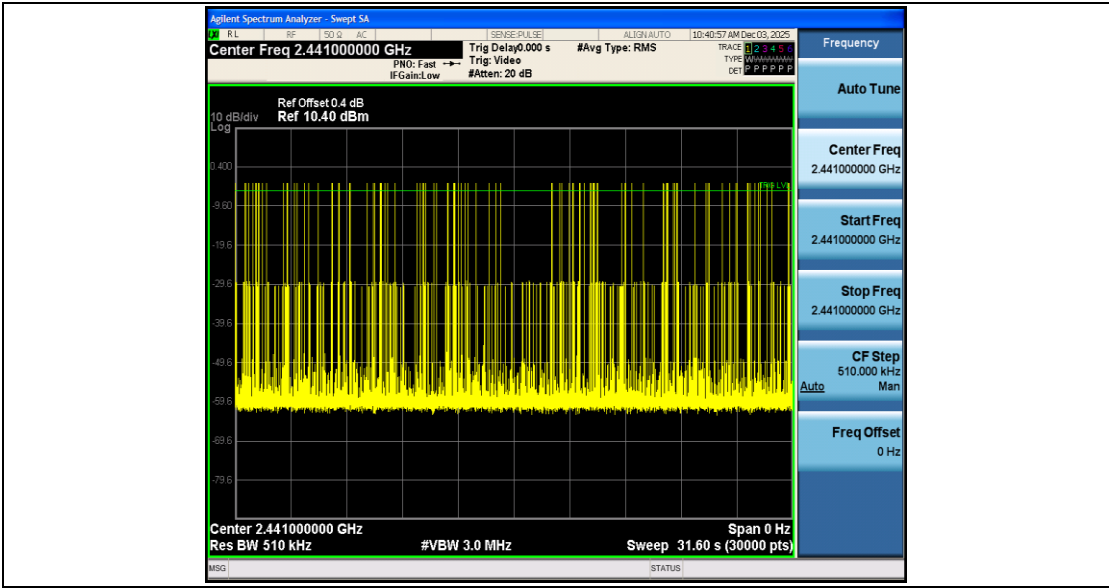


3DH3_Ant1_Hop



3DH5_Ant1_Hop





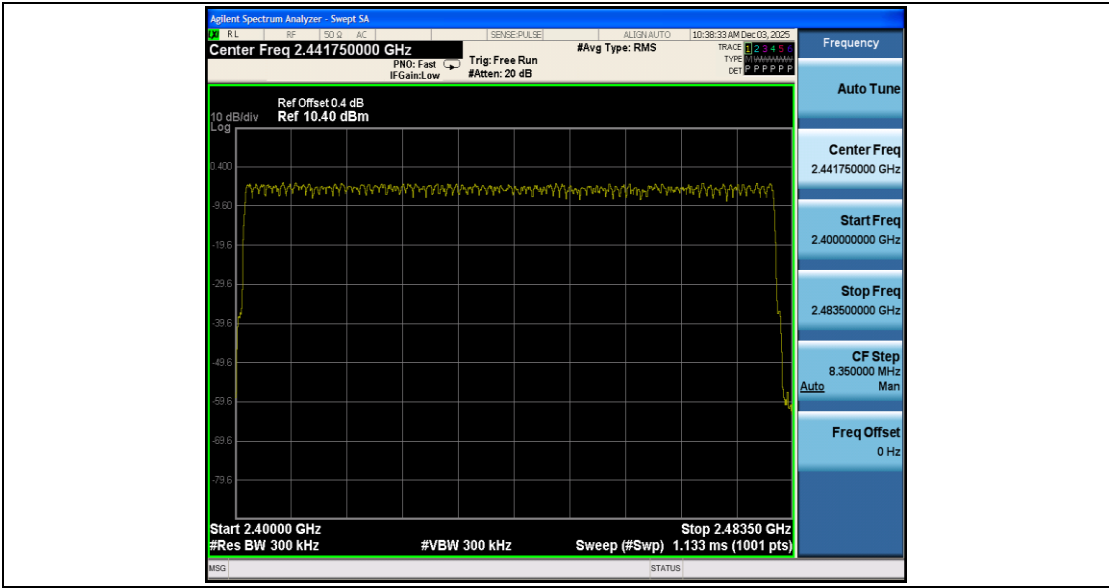
Appendix F: Number of hopping channels

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



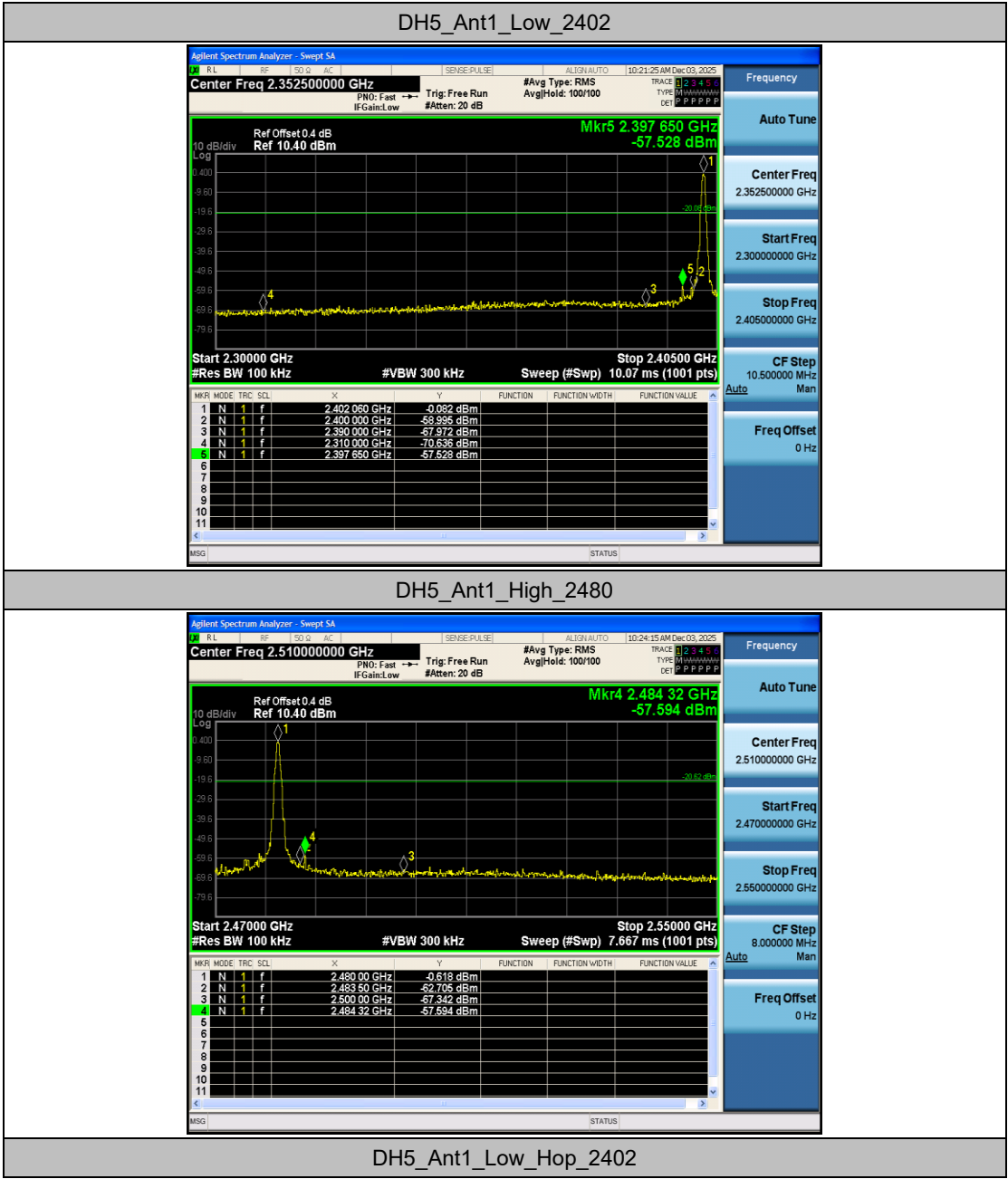


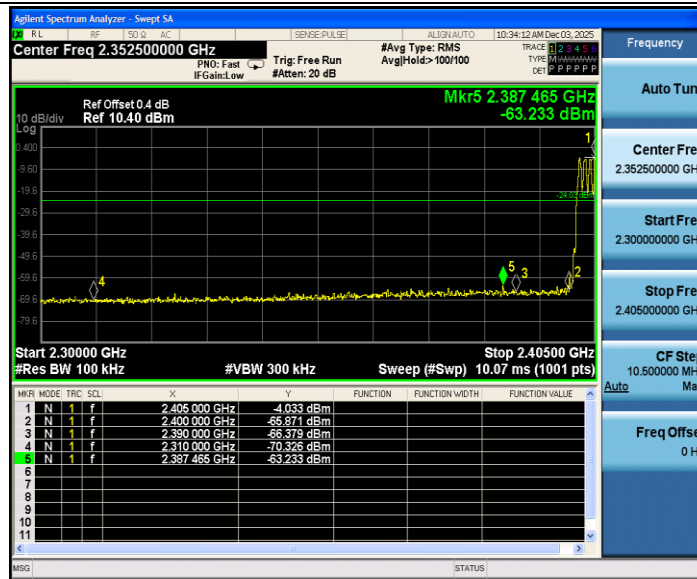
Appendix G: Band edge measurements

Test Result

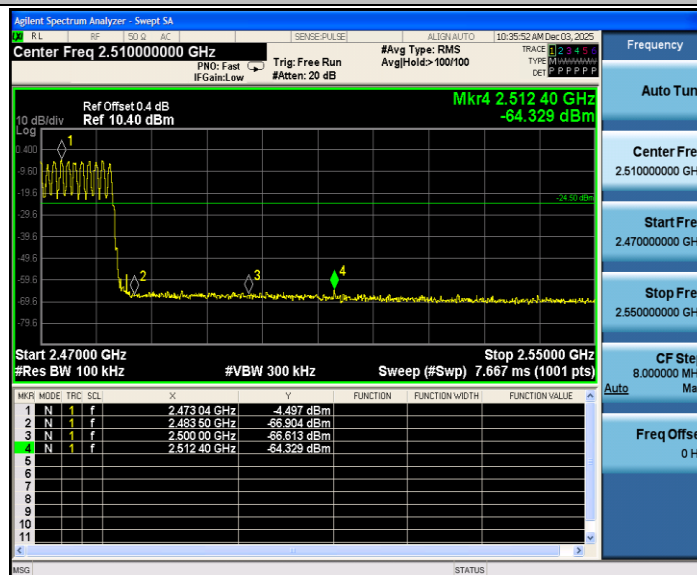
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.08	-57.53	≤-20.08	PASS
		High	2480	-0.62	-57.59	≤-20.62	PASS
		Low	Hop_2402	-4.03	-63.23	≤-24.03	PASS
		High	Hop_2480	-4.50	-64.33	≤-24.5	PASS
2DH5	Ant1	Low	2402	-4.65	-60.93	≤-24.65	PASS
		High	2480	-5.56	-56.61	≤-25.56	PASS
		Low	Hop_2402	-4.39	-60.88	≤-24.39	PASS
		High	Hop_2480	-5.07	-49.01	≤-25.07	PASS
3DH5	Ant1	Low	2402	-4.79	-61.01	≤-24.79	PASS
		High	2480	-5.62	-46.95	≤-25.62	PASS
		Low	Hop_2402	-6.35	-63.02	≤-26.35	PASS
		High	Hop_2480	-3.84	-63.69	≤-23.84	PASS

Test Graphs

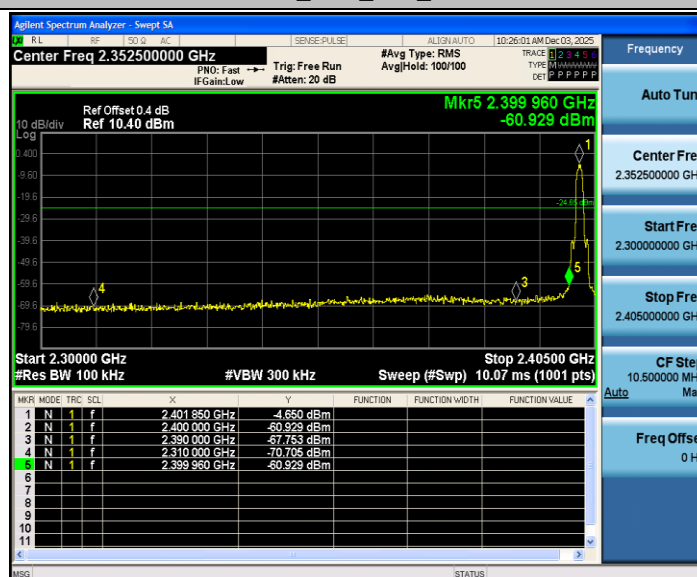




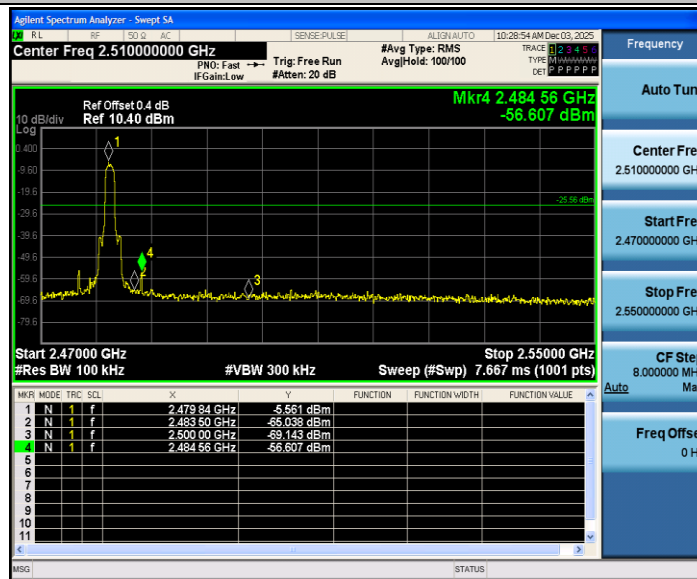
DH5_Ant1_High_Hop_2480



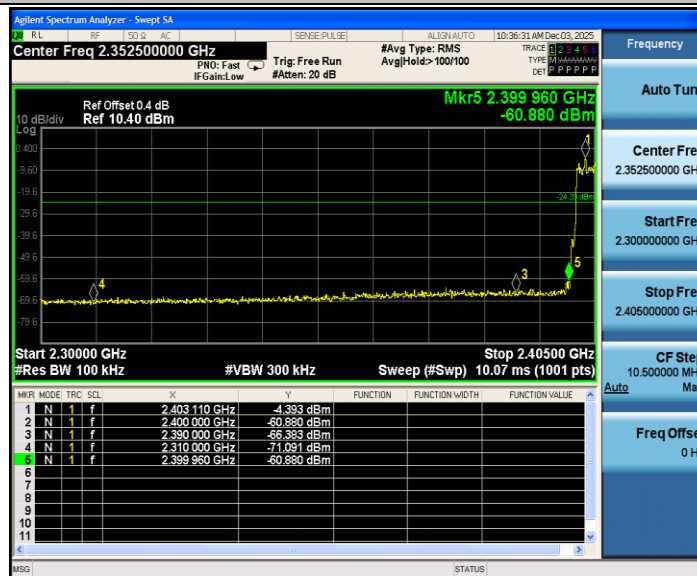
2DH5_Ant1_Low_2402



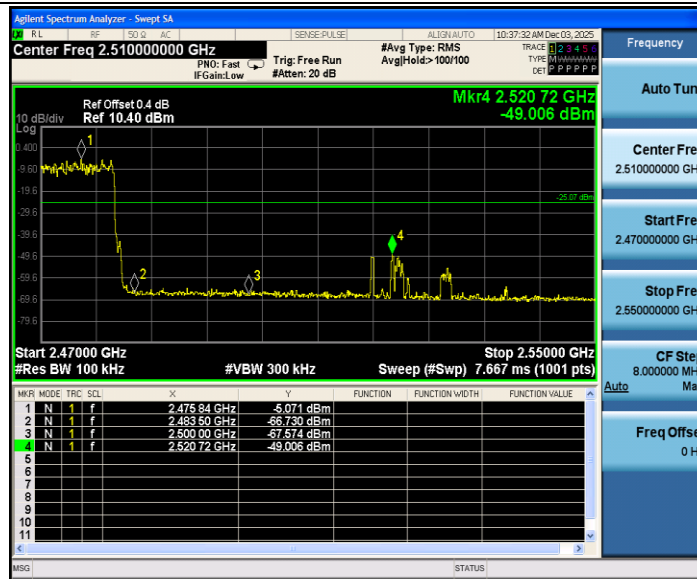
2DH5_Ant1_High_2480



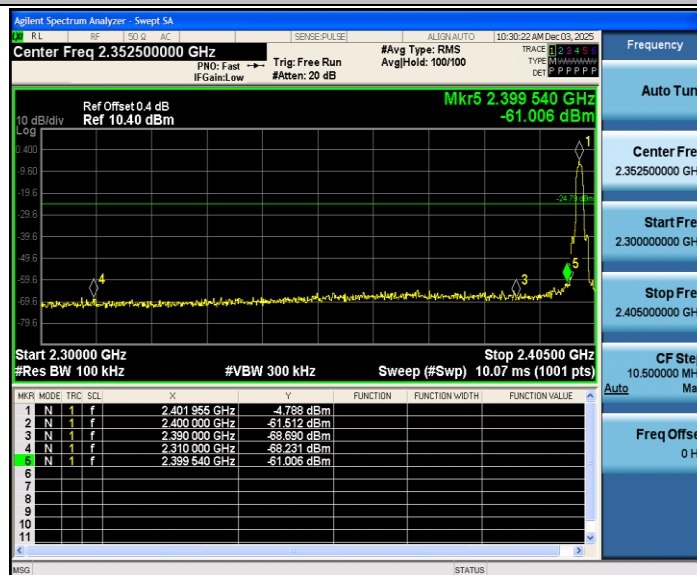
2DH5_Ant1_Low_Hop_2402



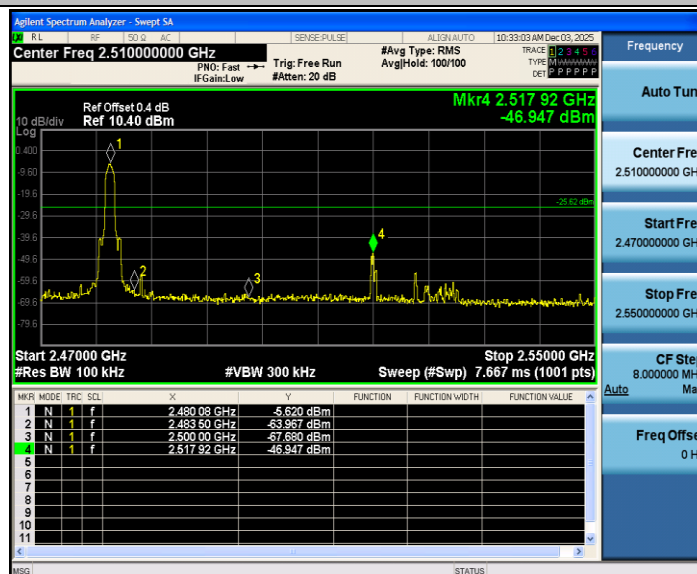
2DH5_Ant1_High_Hop_2480



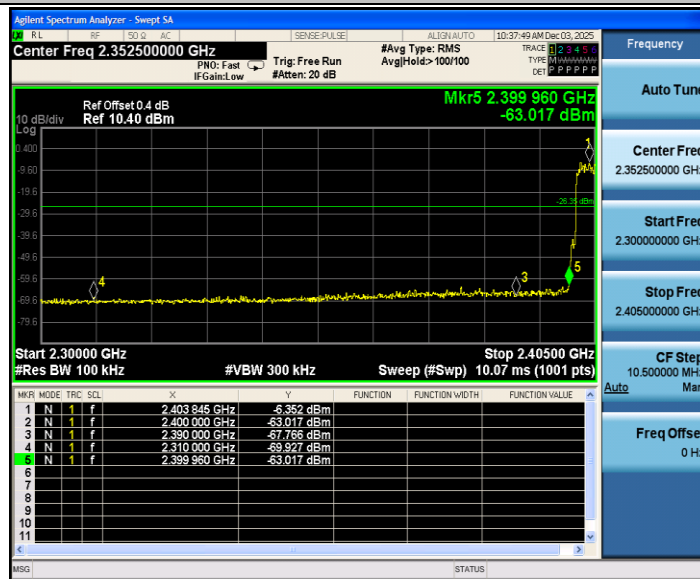
3DH5_Ant1_Low_2402



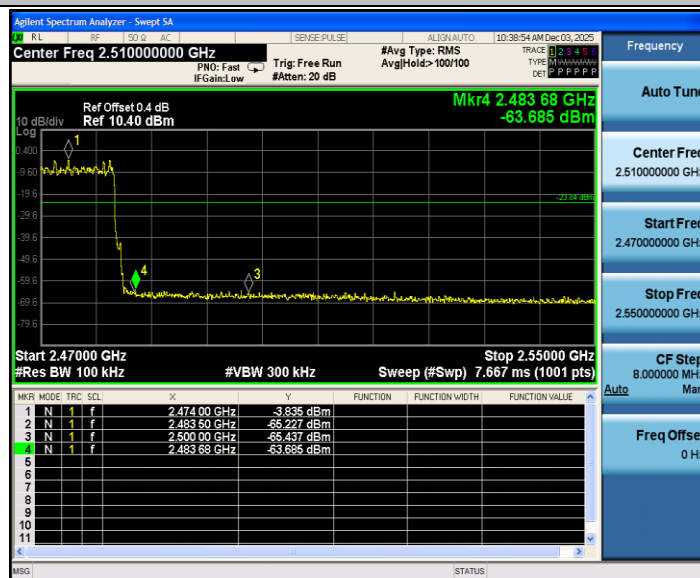
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

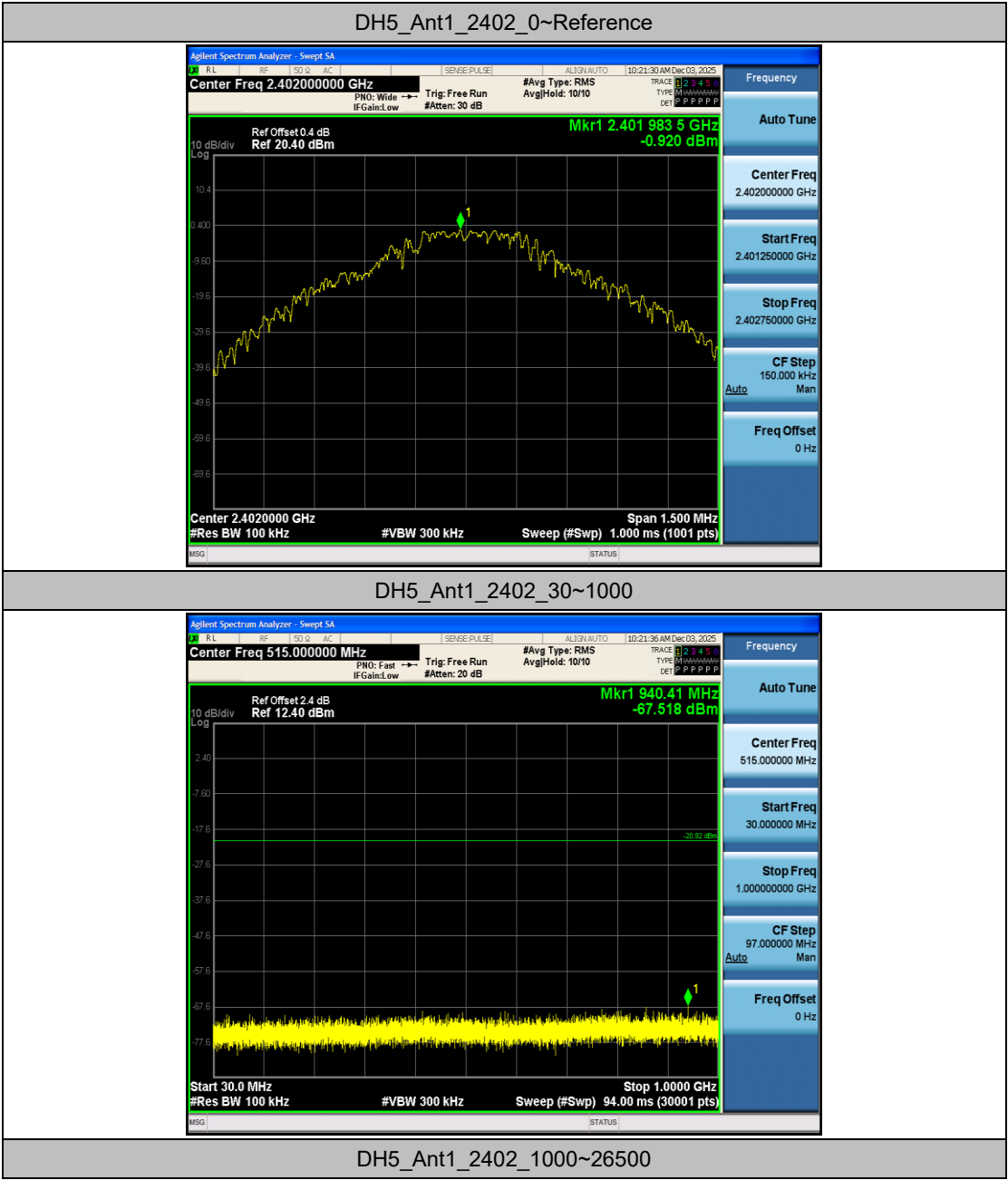


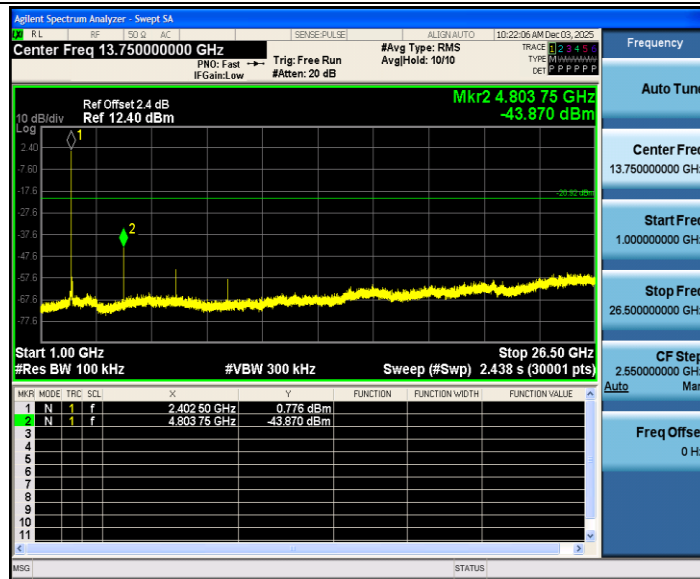
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.92	-0.92	---	PASS
			30~1000	-0.92	-67.52	≤-20.92	PASS
			1000~26500	-0.92	-43.87	≤-20.92	PASS
		2441	Reference	-1.54	-1.54	---	PASS
			30~1000	-1.54	-67.58	≤-21.54	PASS
			1000~26500	-1.54	-43.03	≤-21.54	PASS
		2480	Reference	-1.28	-1.28	---	PASS
			30~1000	-1.28	-68.35	≤-21.28	PASS
			1000~26500	-1.28	-42.49	≤-21.28	PASS
2DH5	Ant1	2402	Reference	-5.33	-5.33	---	PASS
			30~1000	-5.33	-68.61	≤-25.33	PASS
			1000~26500	-5.33	-50.91	≤-25.33	PASS
		2441	Reference	-6.58	-6.58	---	PASS
			30~1000	-6.58	-67.82	≤-26.58	PASS
			1000~26500	-6.58	-47.38	≤-26.58	PASS
		2480	Reference	-4.95	-4.95	---	PASS
			30~1000	-4.95	-67.8	≤-24.95	PASS
			1000~26500	-4.95	-50.51	≤-24.95	PASS
3DH5	Ant1	2402	Reference	-6.94	-6.94	---	PASS
			30~1000	-6.94	-67.73	≤-26.94	PASS
			1000~26500	-6.94	-47.11	≤-26.94	PASS
		2441	Reference	-4.42	-4.42	---	PASS
			30~1000	-4.42	-67.93	≤-24.42	PASS
			1000~26500	-4.42	-47.54	≤-24.42	PASS
		2480	Reference	-4.83	-4.83	---	PASS
			30~1000	-4.83	-67.59	≤-24.83	PASS
			1000~26500	-4.83	-48.32	≤-24.83	PASS

Test Graphs

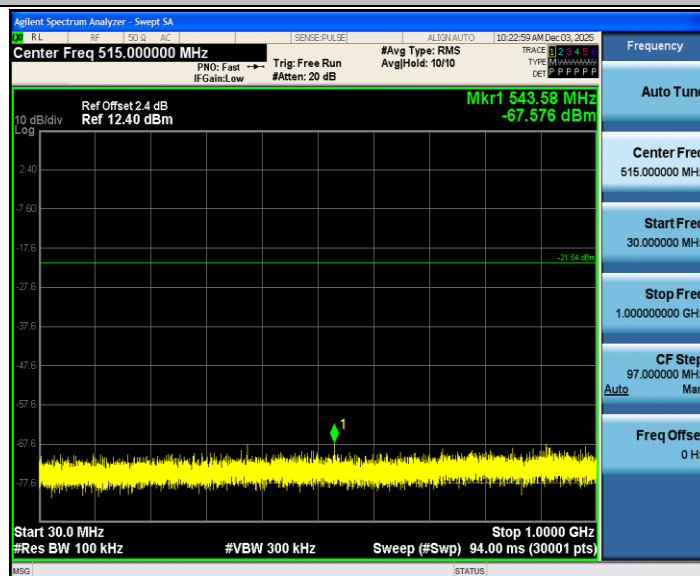




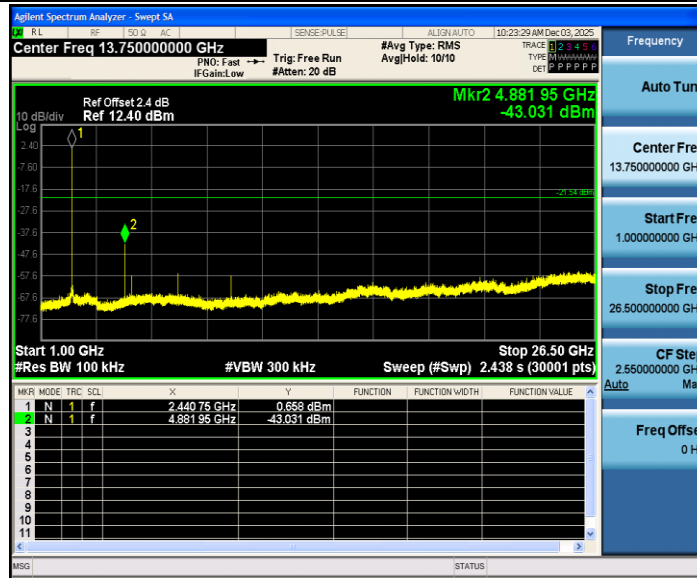
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



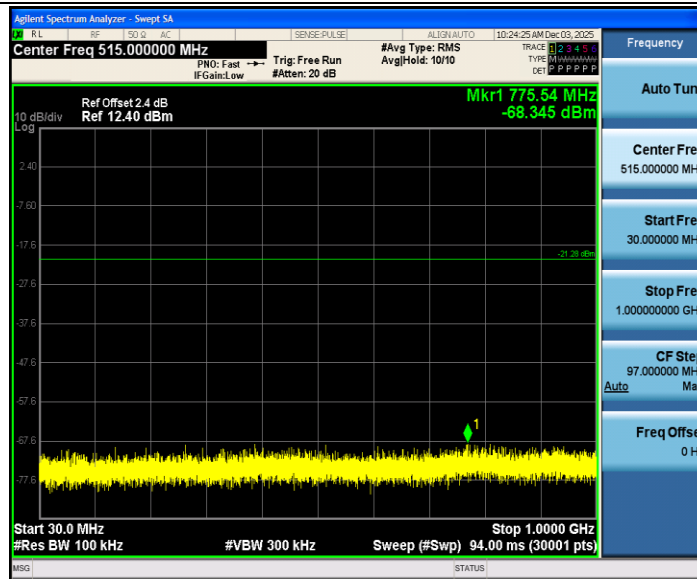
DH5_Ant1_2441_1000~26500



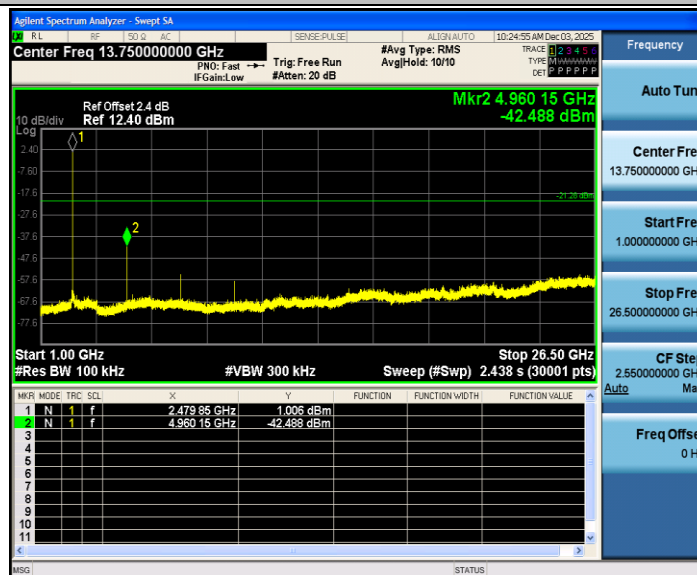
DH5_Ant1_2480_0~Reference



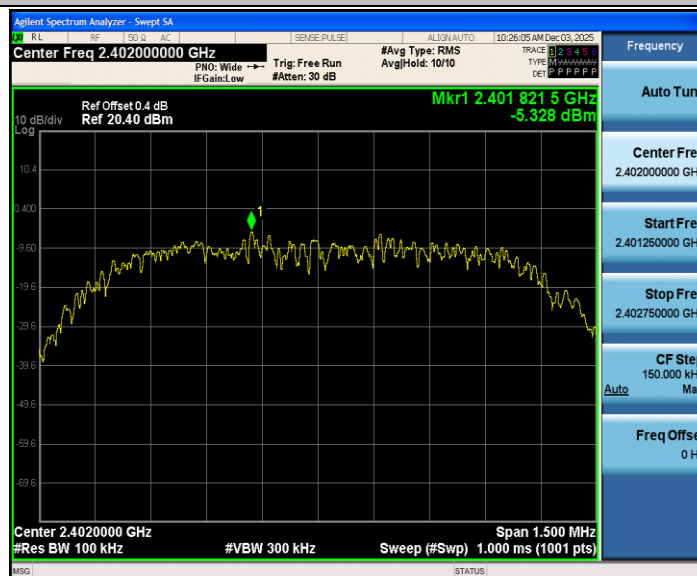
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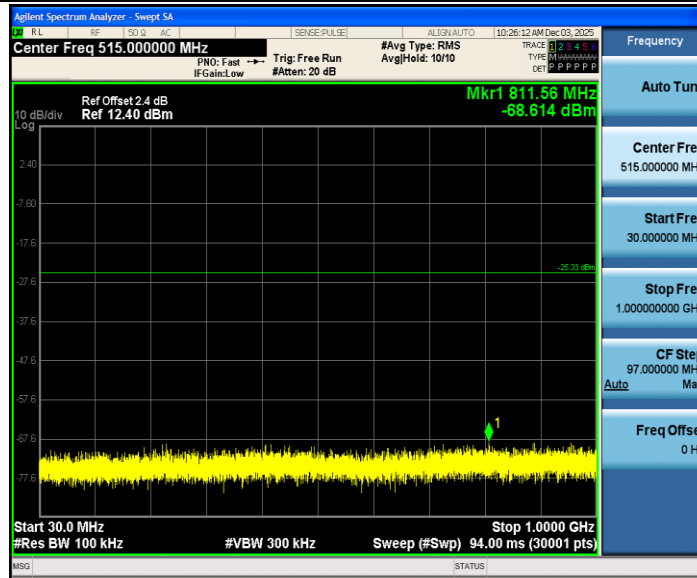
DH5_Ant1_2480_1000~26500



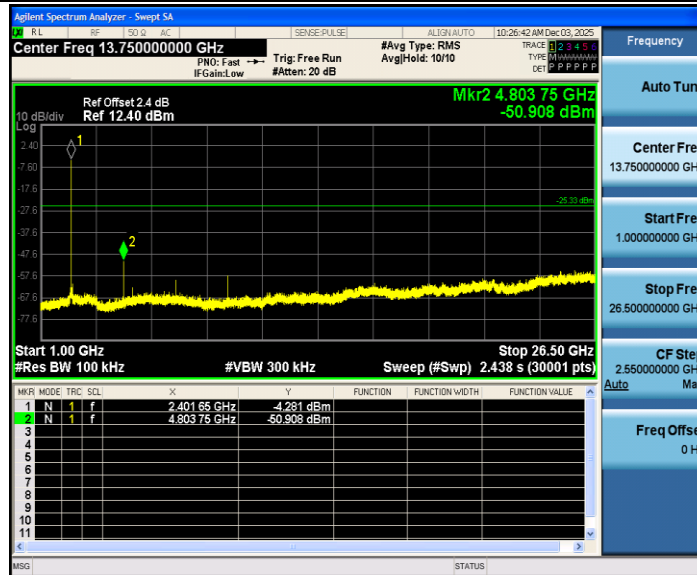
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference