

FCC Appendix RF Test Data for BT

FCC ID : 2BM7C-GD-82

Company : Xiamen Deyin Technology Co.,Ltd

EUT : Thermal printer

Model Number : GD-82

Report No. : CTA25091801202

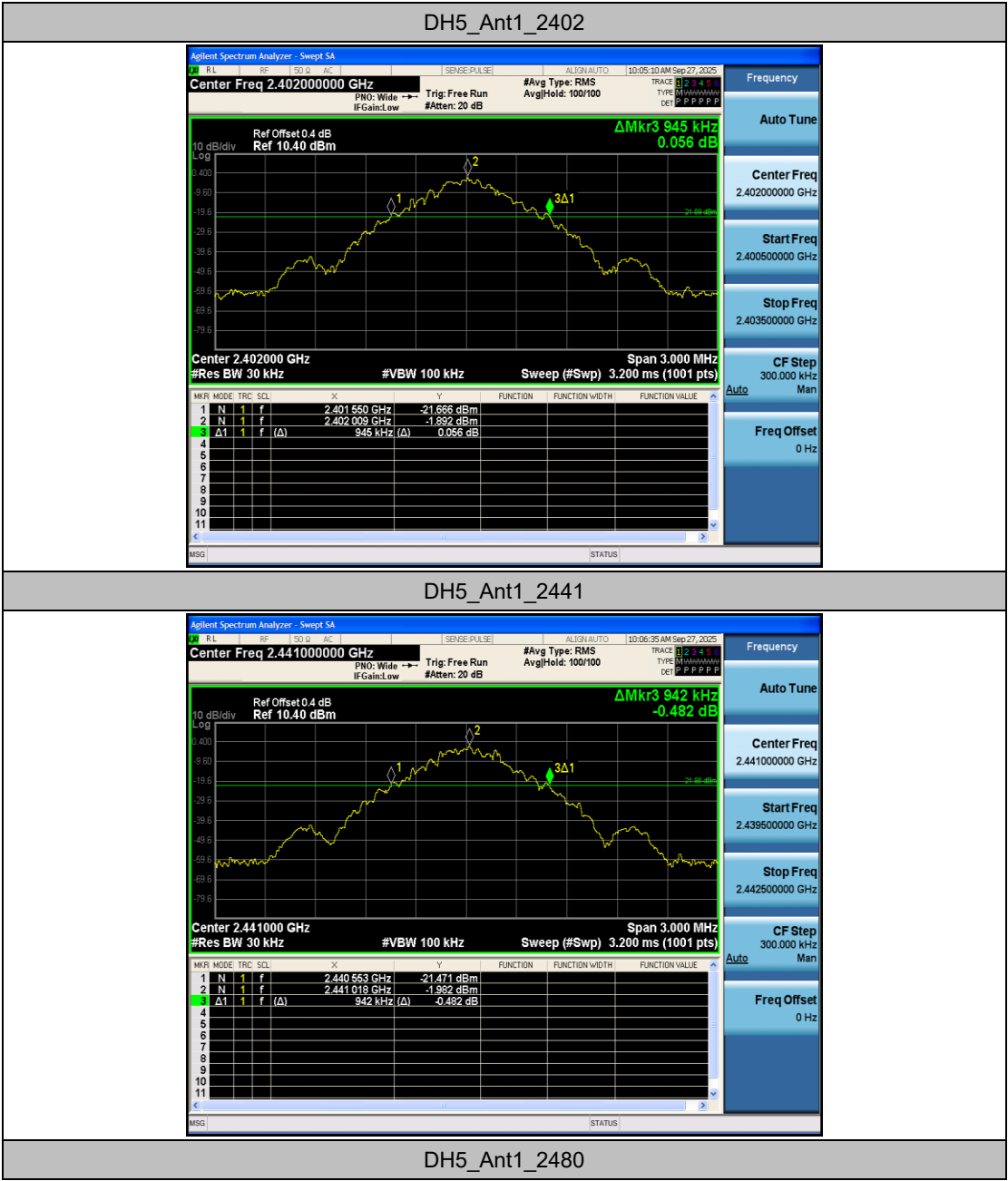
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.550	2402.495	---	---
		2441	0.942	2440.553	2441.495	---	---
		2480	0.957	2479.547	2480.504	---	---
2DH5	Ant1	2402	1.281	2401.382	2402.663	---	---
		2441	1.320	2440.346	2441.666	---	---
		2480	1.308	2479.358	2480.666	---	---
3DH5	Ant1	2402	1.278	2401.382	2402.660	---	---
		2441	1.278	2440.382	2441.660	---	---
		2480	1.320	2479.349	2480.669	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



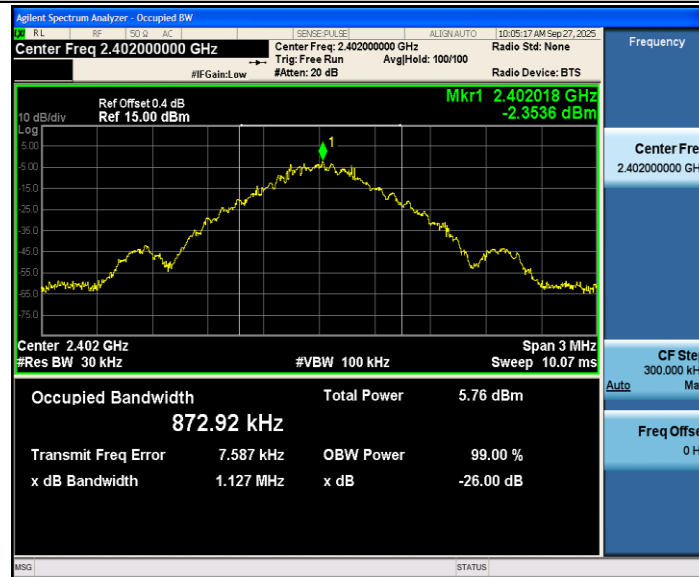
Appendix B: Occupied Channel Bandwidth

Test Result

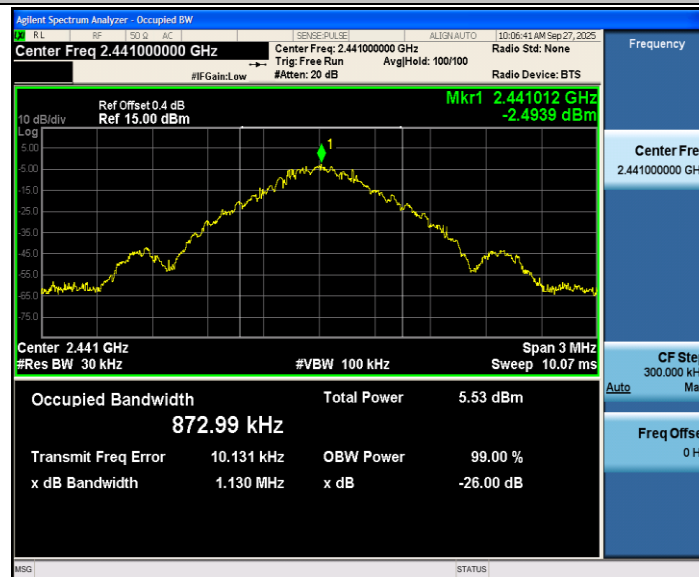
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87292	2401.5711	2402.4441	---	---
		2441	0.87299	2440.5736	2441.4466	---	---
		2480	0.86679	2479.5750	2480.4418	---	---
2DH5	Ant1	2402	1.1845	2401.4171	2402.6016	---	---
		2441	1.1858	2440.4166	2441.6024	---	---
		2480	1.1853	2479.4170	2480.6023	---	---
3DH5	Ant1	2402	1.1886	2401.4162	2402.6048	---	---
		2441	1.1824	2440.4187	2441.6011	---	---
		2480	1.1830	2479.4176	2480.6006	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



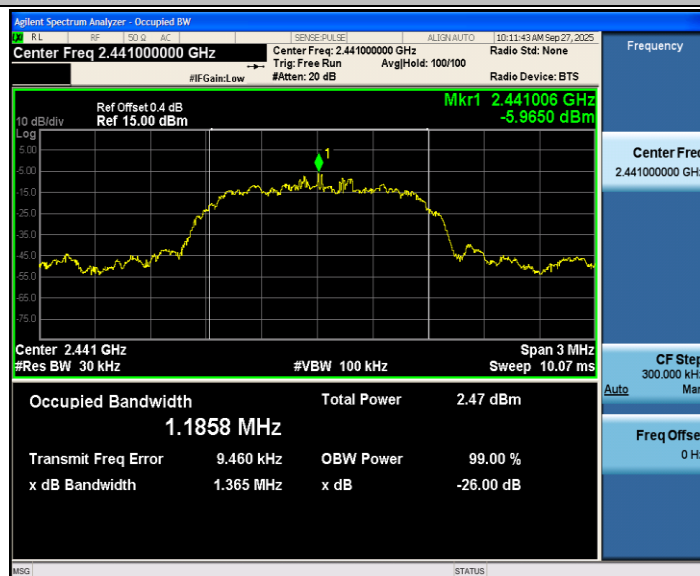
DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.08	≤20.97	PASS
		2441	-0.31	≤20.97	PASS
		2480	-0.38	≤20.97	PASS
2DH5	Ant1	2402	-0.88	≤20.97	PASS
		2441	-1.08	≤20.97	PASS
		2480	-1.17	≤20.97	PASS
3DH5	Ant1	2402	-0.89	≤20.97	PASS
		2441	-1.10	≤20.97	PASS
		2480	-1.17	≤20.97	PASS

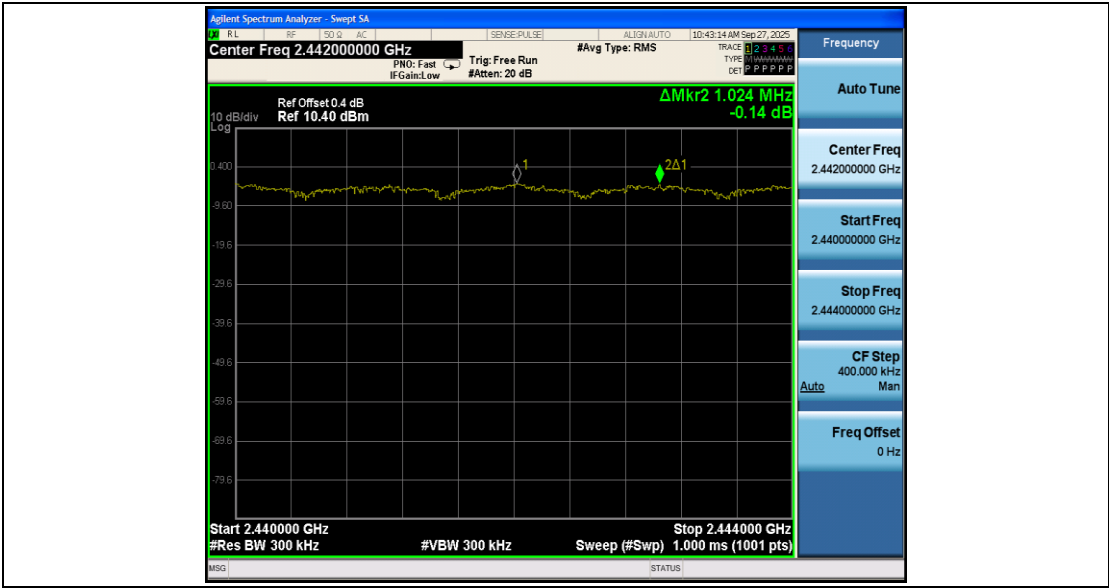
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.028	≥ 0.957	PASS
2DH5	Ant1	Hop	1.028	≥ 0.880	PASS
3DH5	Ant1	Hop	1.024	≥ 0.880	PASS

Test Graphs



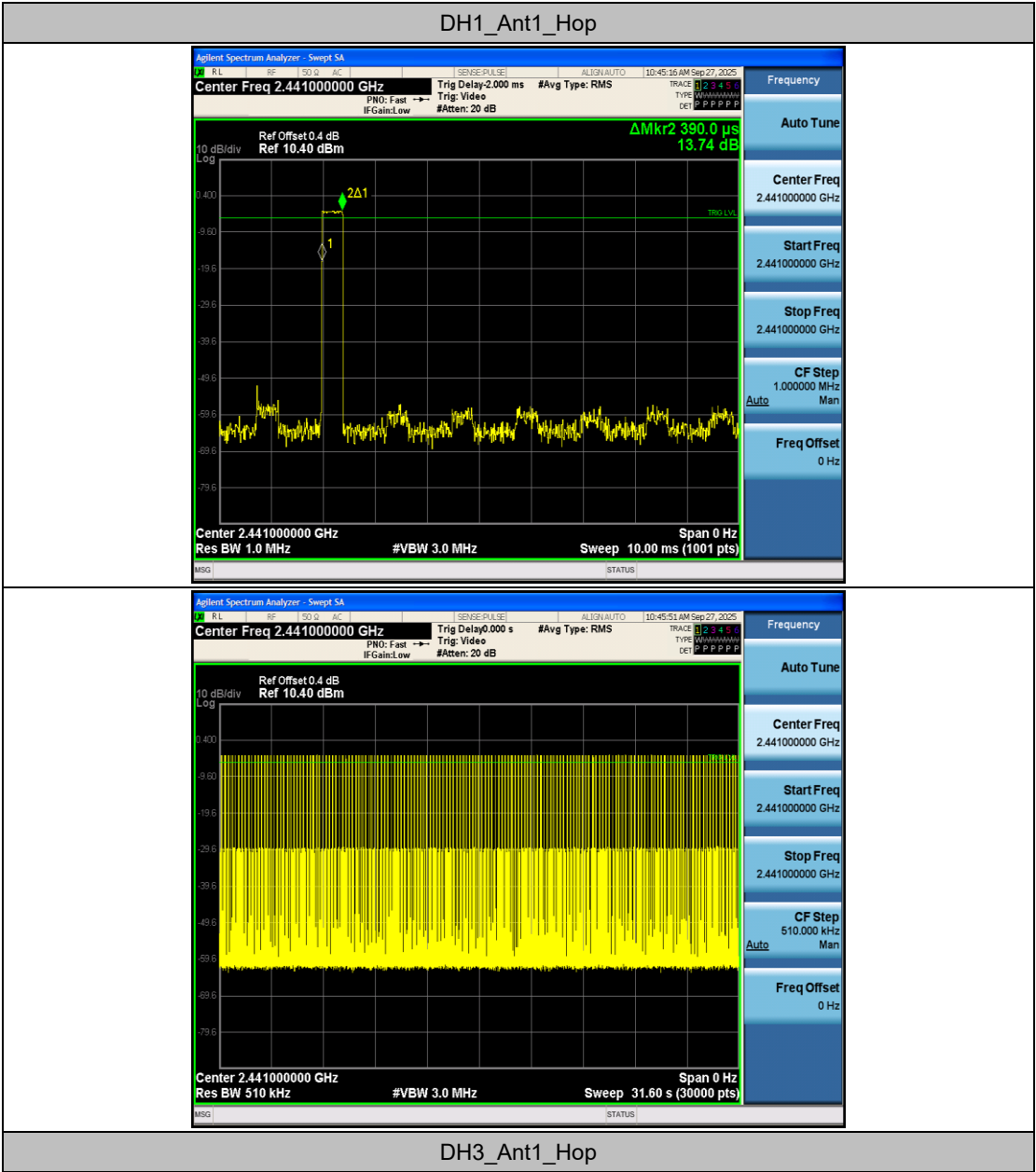


Appendix E: Time of occupancy

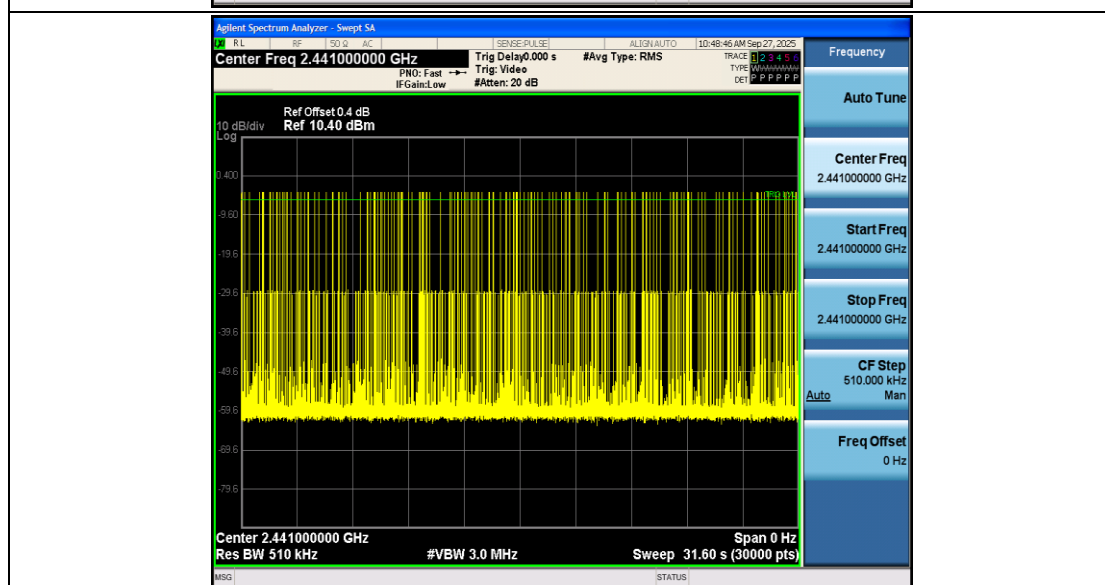
Test Result

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	160	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.890	104	0.301	≤0.4	PASS
2DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.640	164	0.269	≤0.4	PASS
2DH5	Ant1	Hop	2.900	112	0.325	≤0.4	PASS
3DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.640	159	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.890	105	0.303	≤0.4	PASS

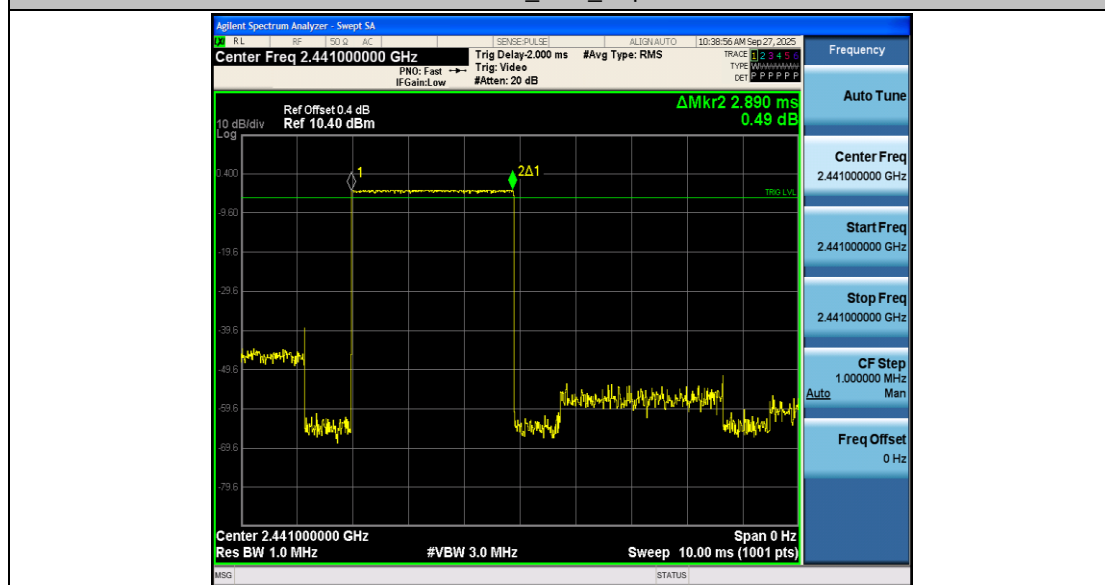
Test Graphs

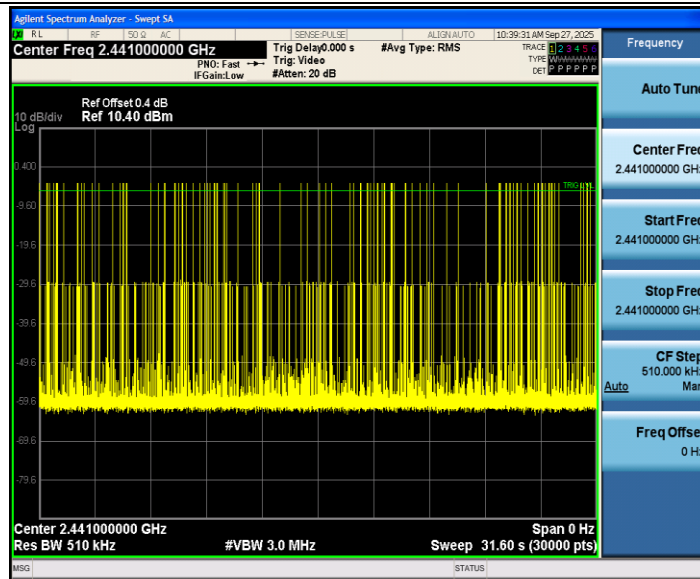


DH3_Ant1_Hop

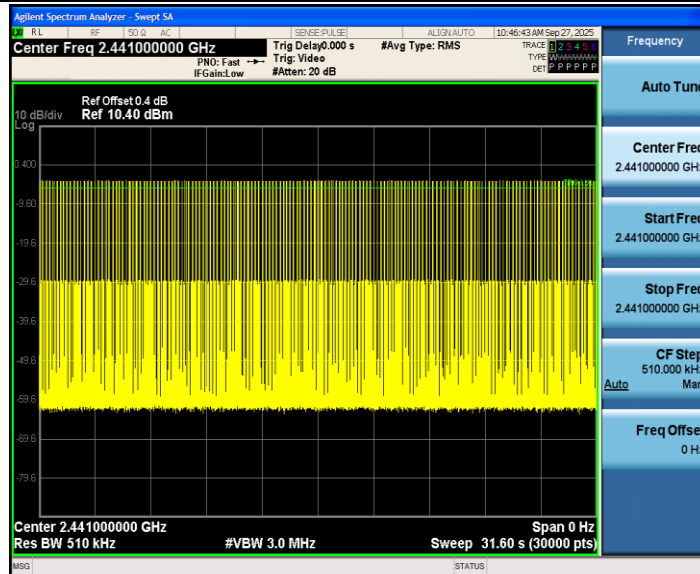
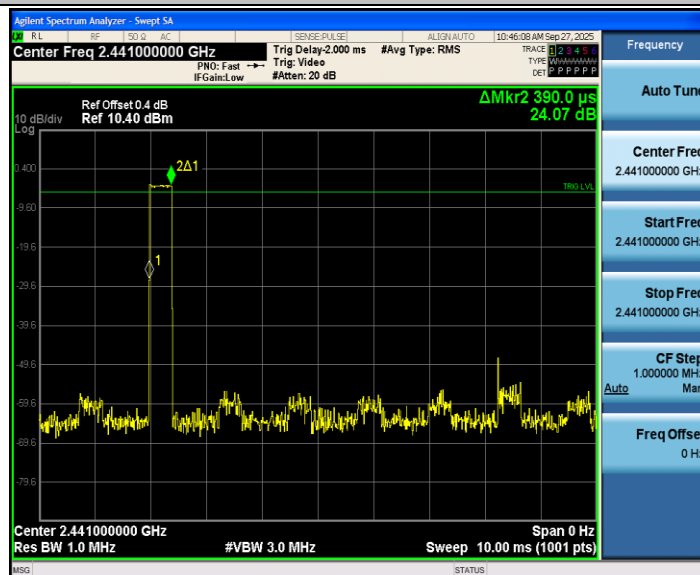


DH5_Ant1_Hop

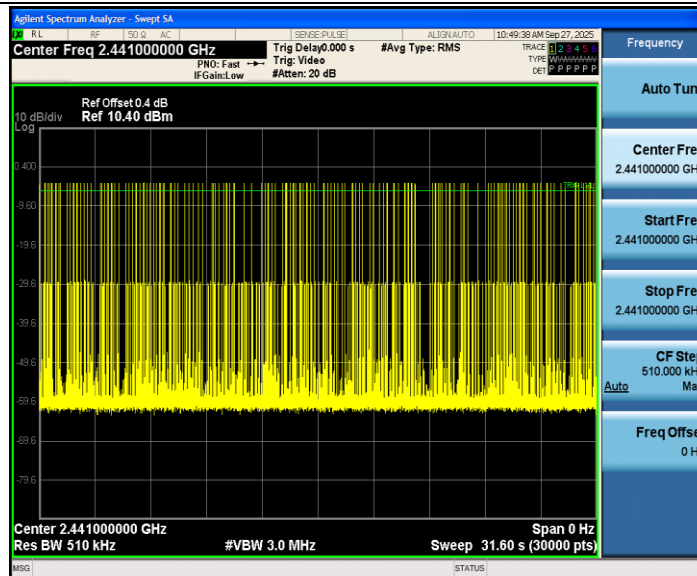
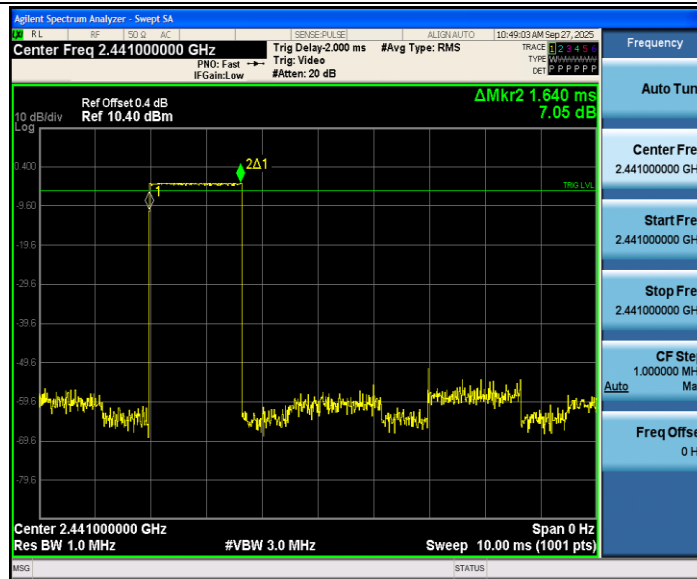




2DH1_Ant1_Hop

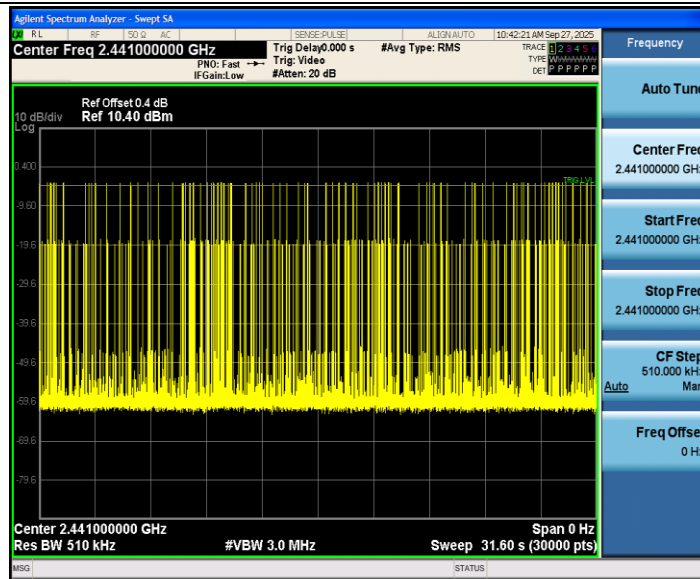


2DH3_Ant1_Hop

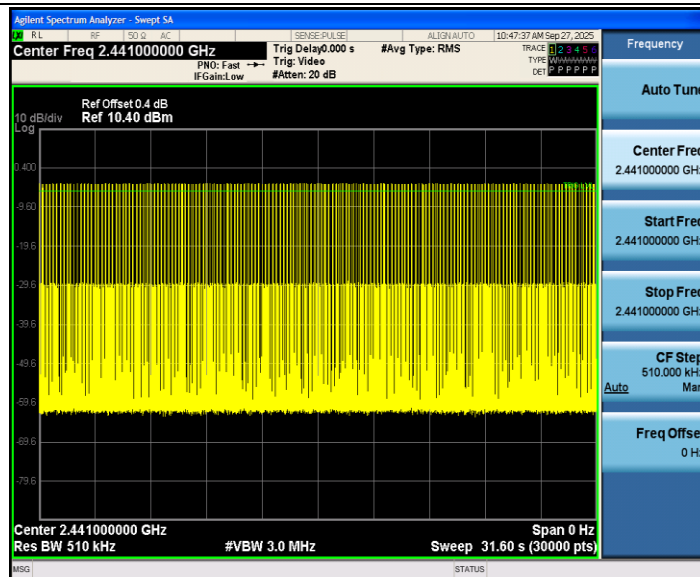
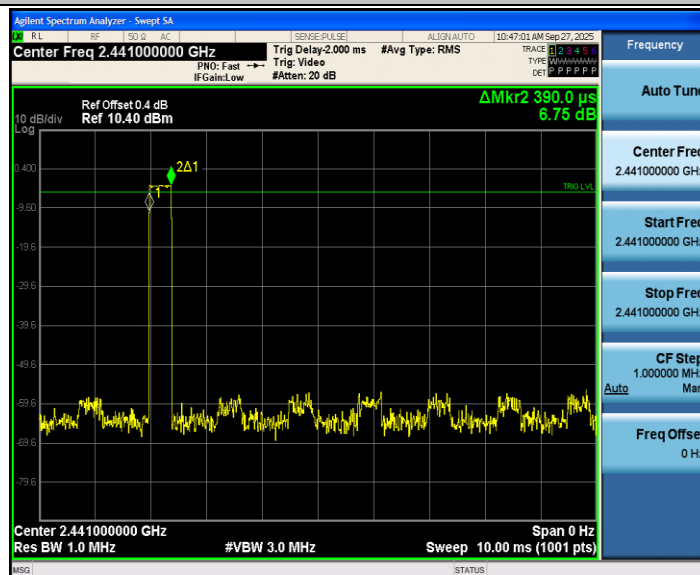


2DH5_Ant1_Hop

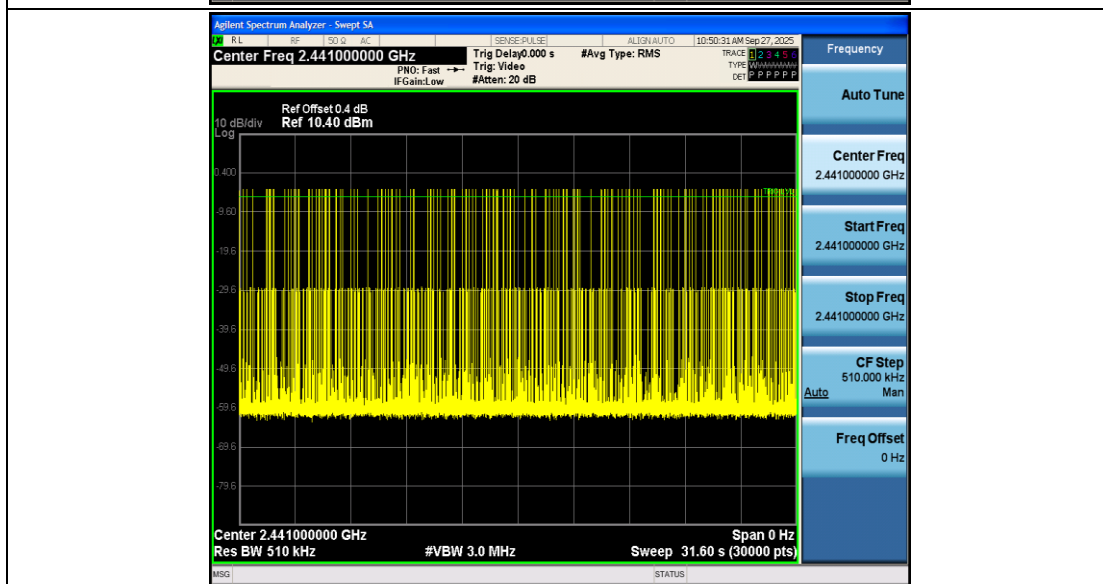




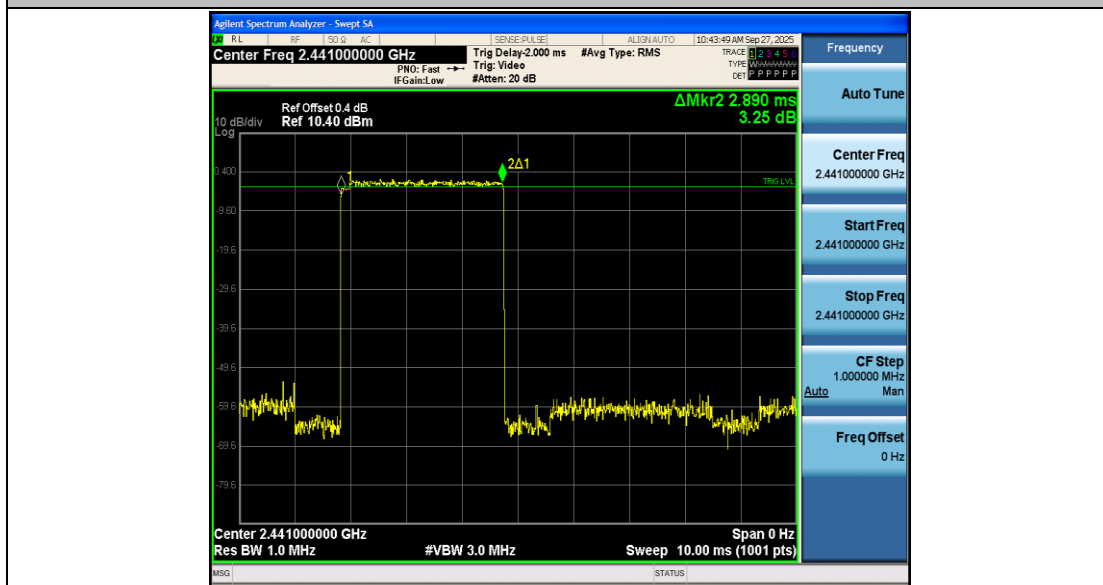
3DH1_Ant1_Hop

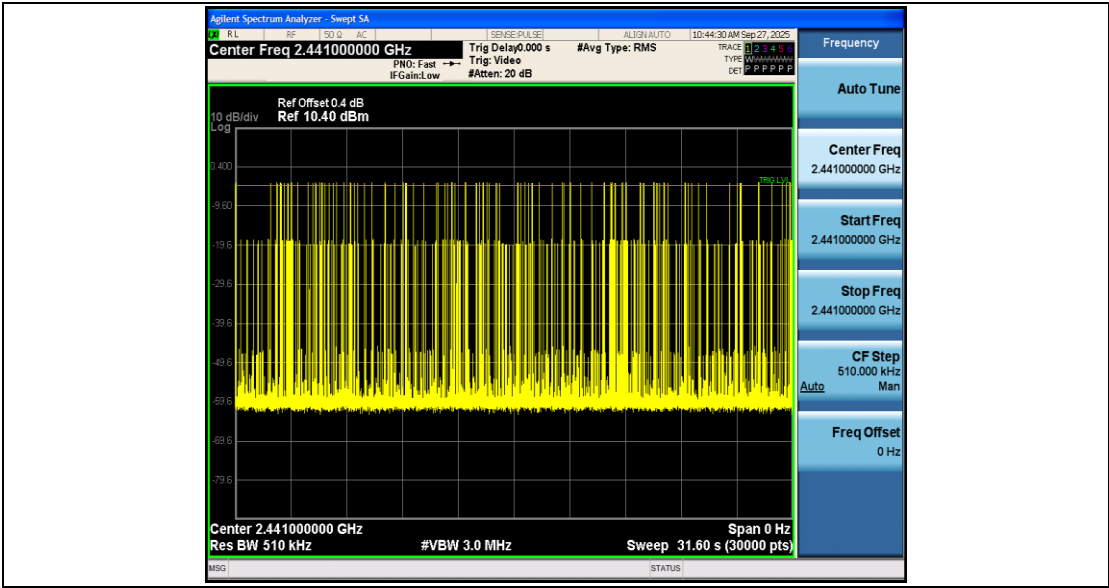


3DH3_Ant1_Hop



3DH5_Ant1_Hop





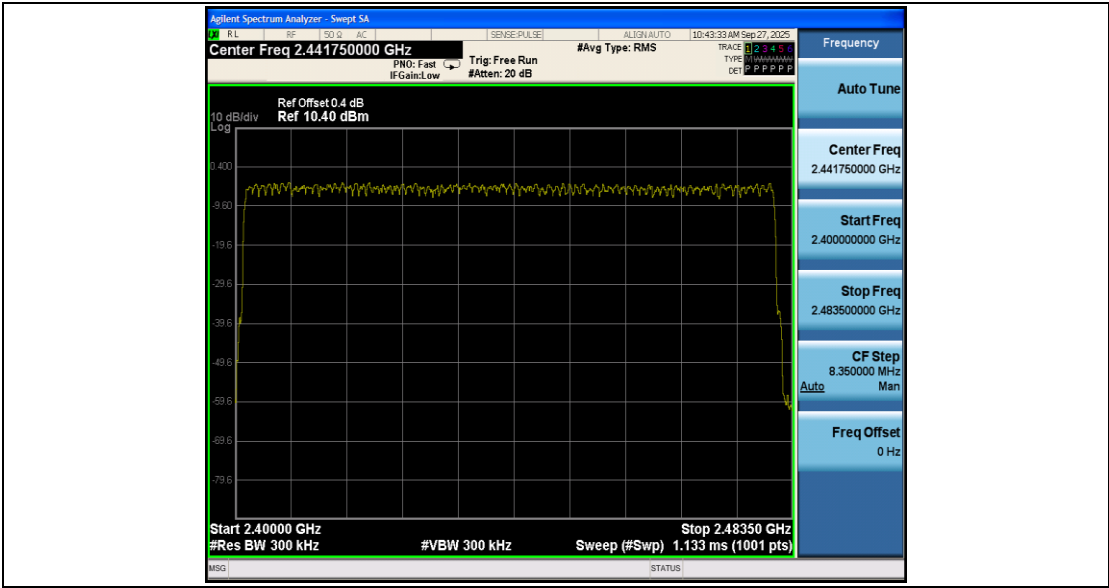
Appendix F: Number of hopping channels

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



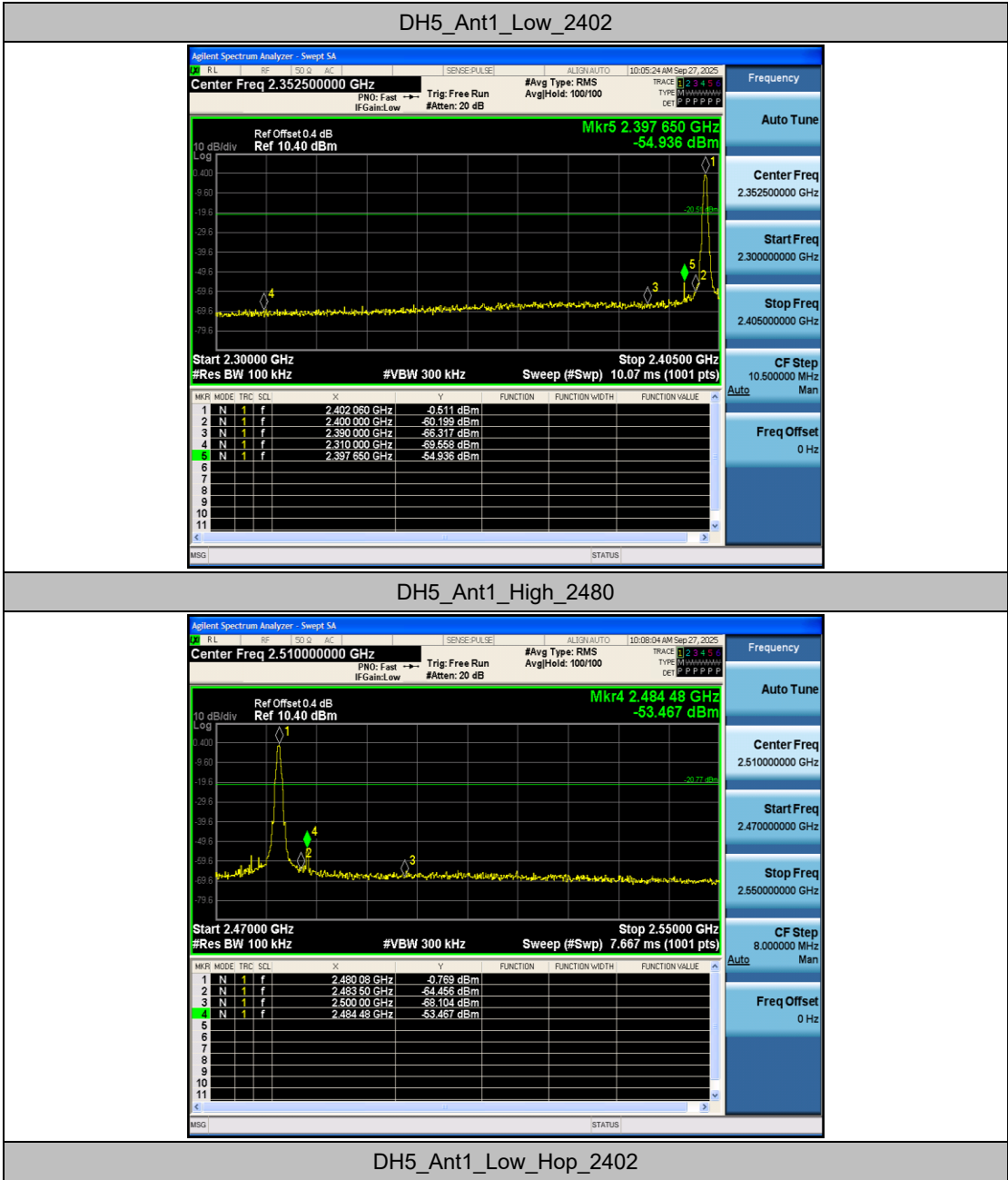


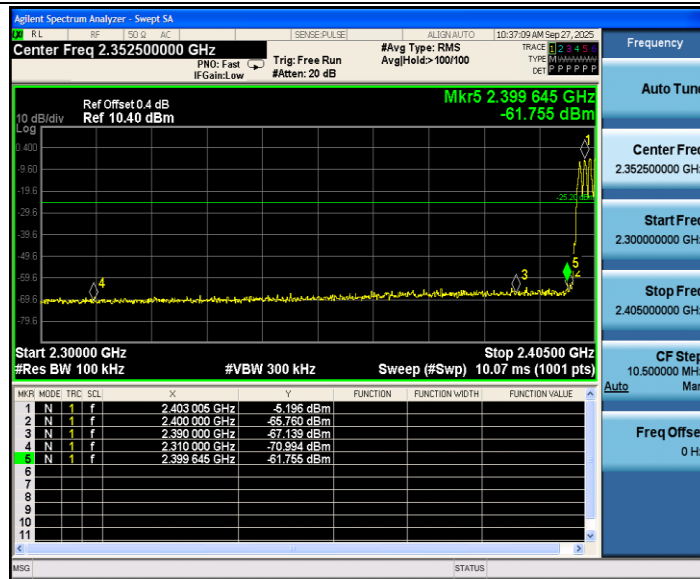
Appendix G: Band edge measurements

Test Result

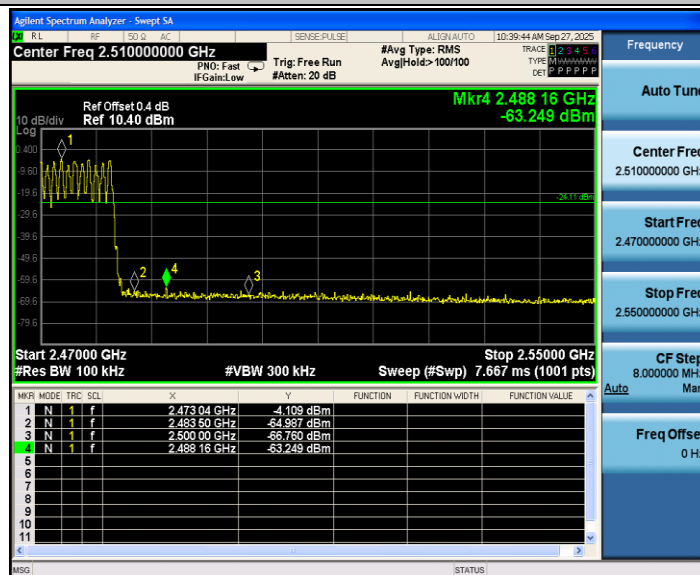
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.51	-54.94	≤-20.51	PASS
		High	2480	-0.77	-53.47	≤-20.77	PASS
		Low	Hop_2402	-5.20	-61.76	≤-25.2	PASS
		High	Hop_2480	-4.11	-63.25	≤-24.11	PASS
2DH5	Ant1	Low	2402	-3.77	-61.38	≤-23.77	PASS
		High	2480	-5.01	-63.66	≤-25.01	PASS
		Low	Hop_2402	-6.54	-61.3	≤-26.54	PASS
		High	Hop_2480	-5.19	-63.46	≤-25.19	PASS
3DH5	Ant1	Low	2402	-4.73	-61.33	≤-24.73	PASS
		High	2480	-4.57	-56.04	≤-24.57	PASS
		Low	Hop_2402	-6.59	-63.19	≤-26.59	PASS
		High	Hop_2480	-3.91	-58.22	≤-23.91	PASS

Test Graphs

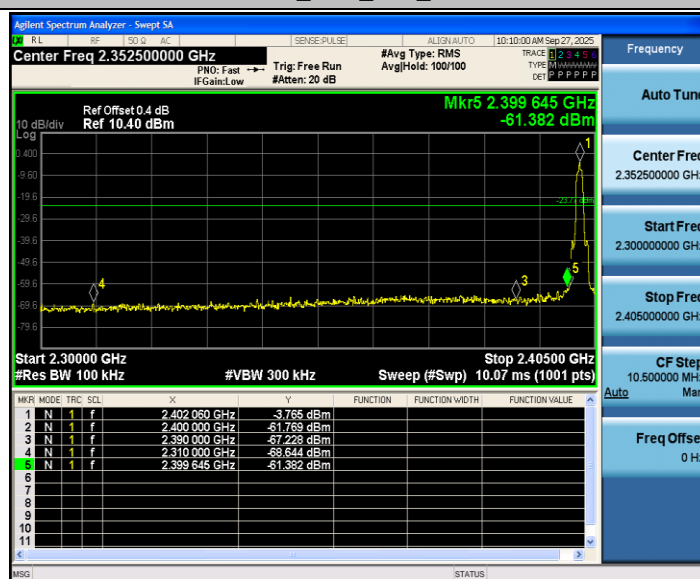




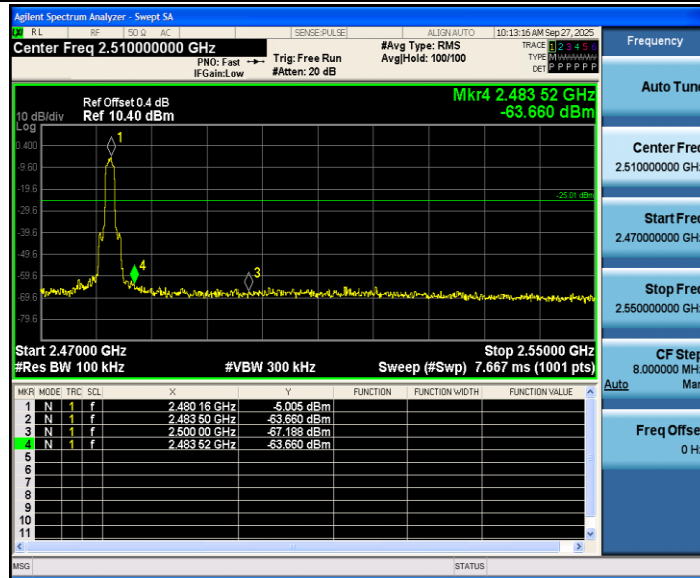
DH5_Ant1_High_Hop_2480



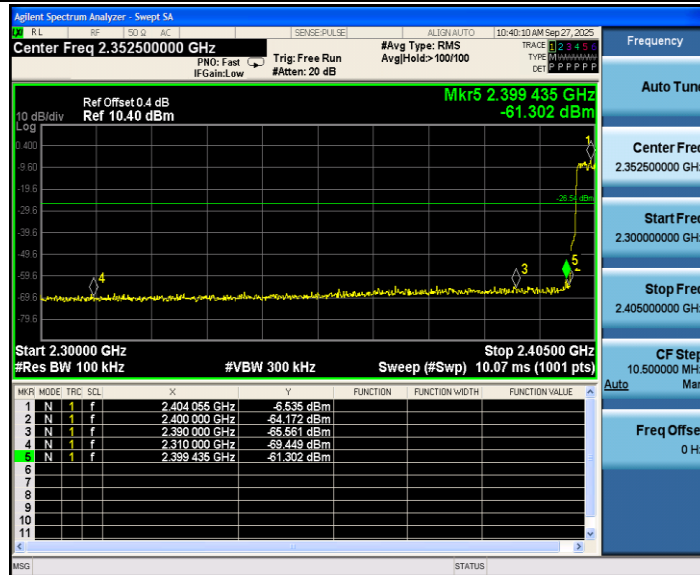
2DH5_Ant1_Low_2402



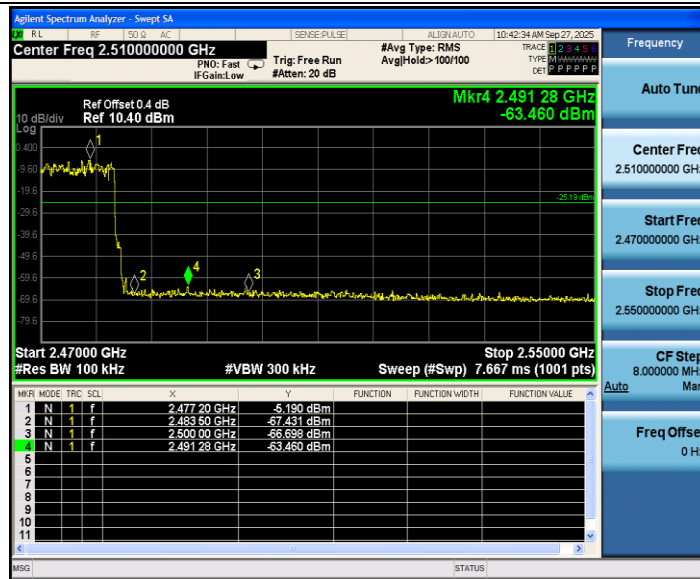
2DH5_Ant1_High_2480



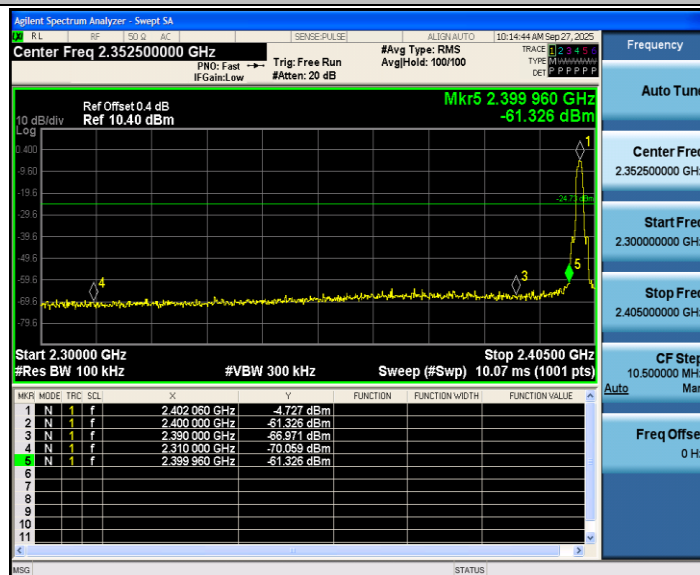
2DH5_Ant1_Low_Hop_2402



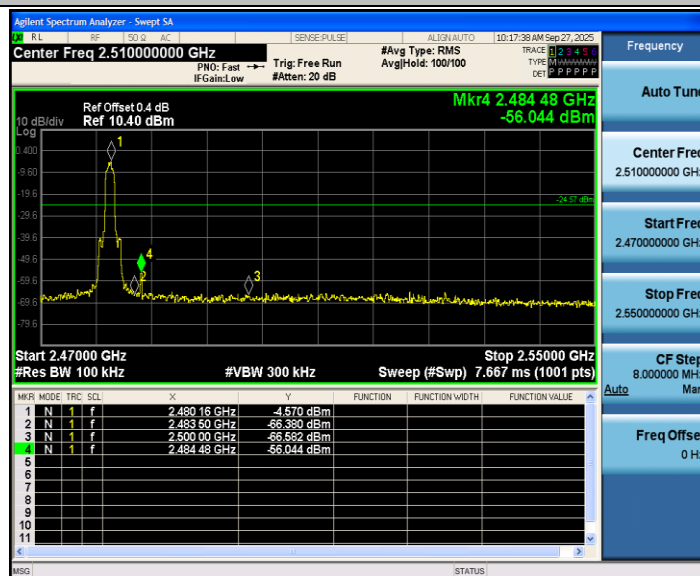
2DH5_Ant1_High_Hop_2480



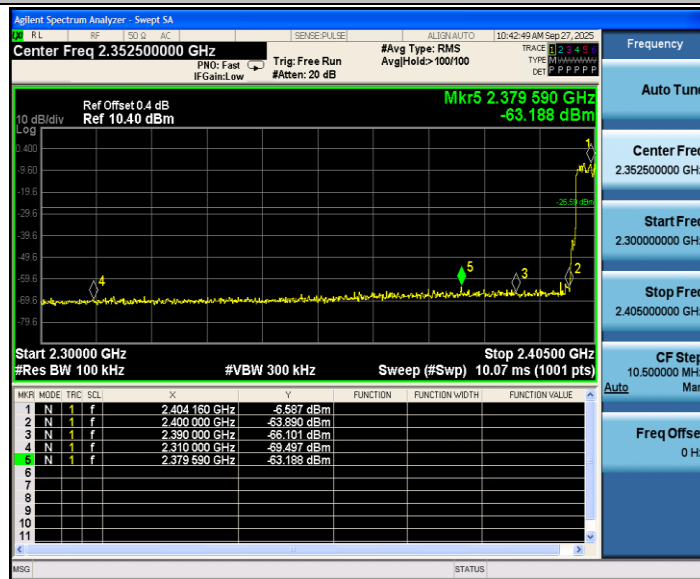
3DH5_Ant1_Low_2402



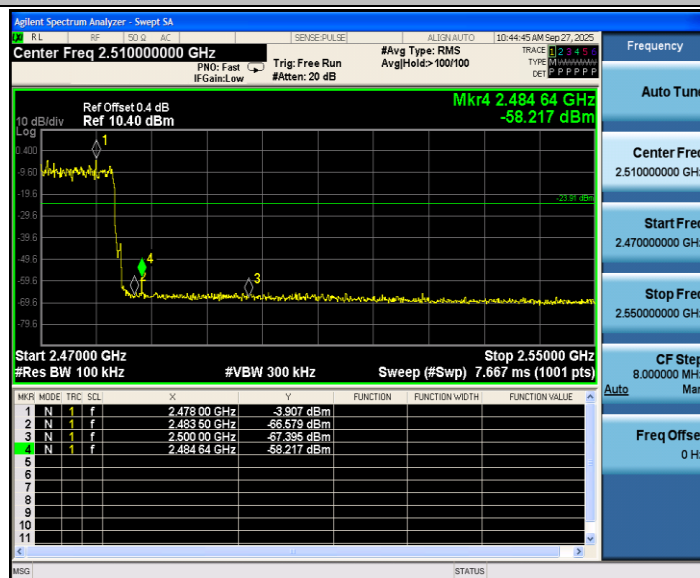
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

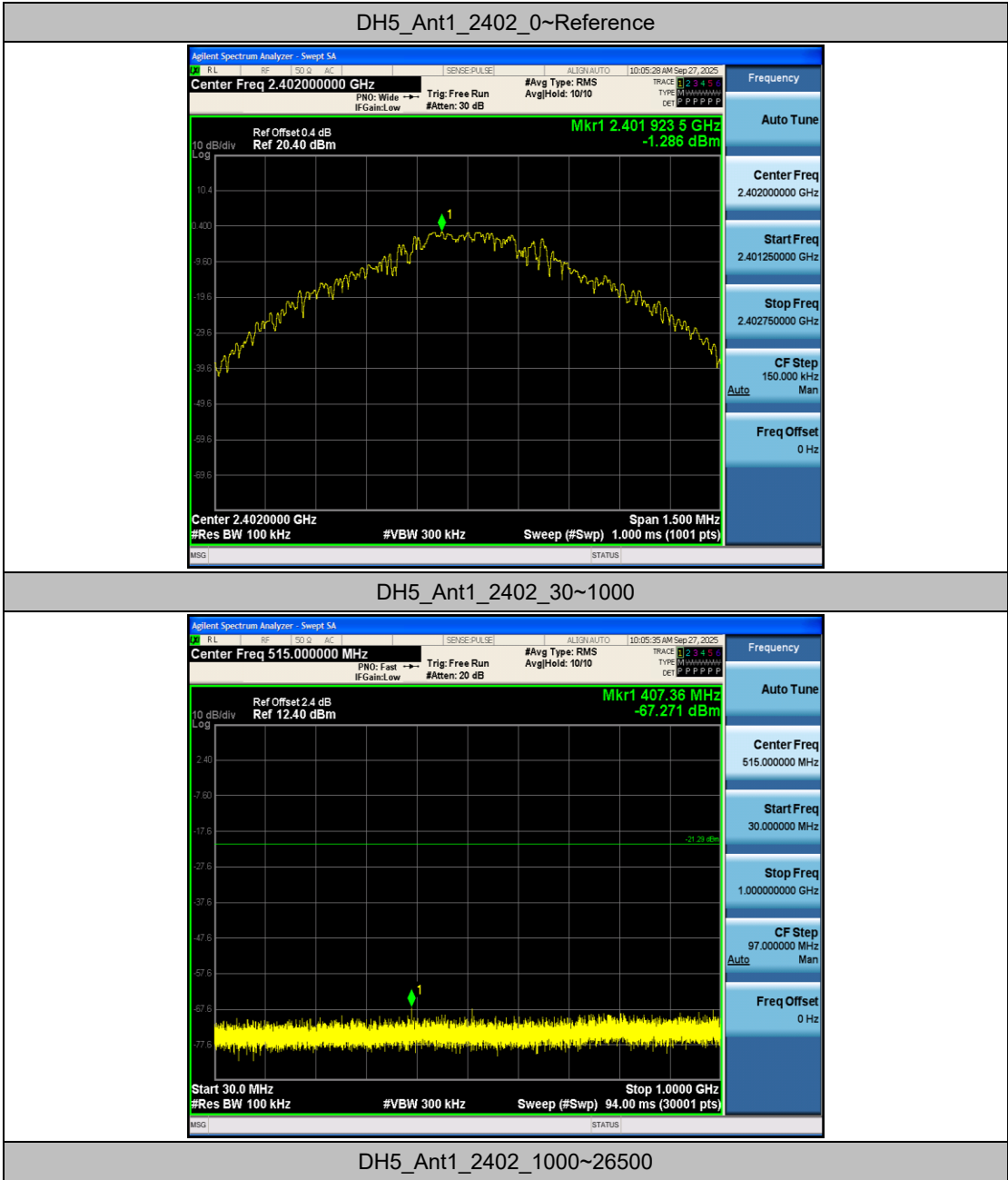


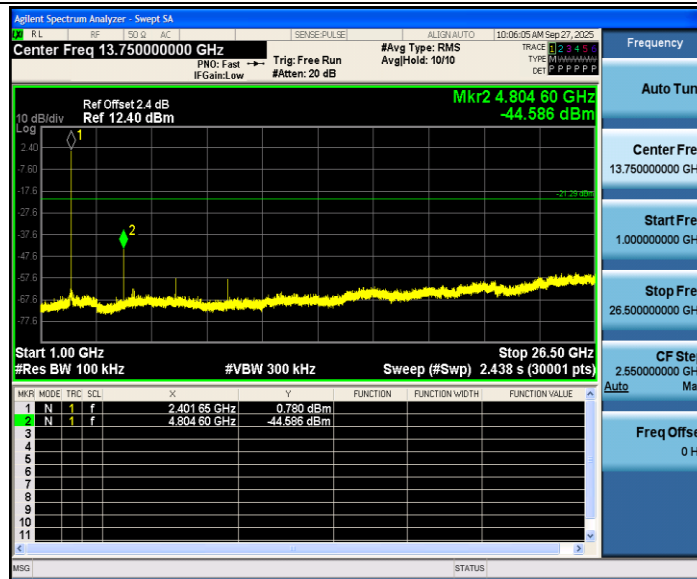
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-67.27	≤-21.29	PASS
			1000~26500	-1.29	-44.59	≤-21.29	PASS
		2441	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-67.94	≤-21.29	PASS
			1000~26500	-1.29	-43.16	≤-21.29	PASS
		2480	Reference	-1.13	-1.13	---	PASS
			30~1000	-1.13	-68.22	≤-21.13	PASS
			1000~26500	-1.13	-44.88	≤-21.13	PASS
2DH5	Ant1	2402	Reference	-6.04	-6.04	---	PASS
			30~1000	-6.04	-68.27	≤-26.04	PASS
			1000~26500	-6.04	-49.23	≤-26.04	PASS
		2441	Reference	-5.66	-5.66	---	PASS
			30~1000	-5.66	-68.4	≤-25.66	PASS
			1000~26500	-5.66	-49.47	≤-25.66	PASS
		2480	Reference	-4.92	-4.92	---	PASS
			30~1000	-4.92	-67.61	≤-24.92	PASS
			1000~26500	-4.92	-51.46	≤-24.92	PASS
3DH5	Ant1	2402	Reference	-5.31	-5.31	---	PASS
			30~1000	-5.31	-67.33	≤-25.31	PASS
			1000~26500	-5.31	-50.14	≤-25.31	PASS
		2441	Reference	-7.28	-7.28	---	PASS
			30~1000	-7.28	-53.31	≤-27.28	PASS
			1000~26500	-7.28	-50.4	≤-27.28	PASS
		2480	Reference	-4.46	-4.46	---	PASS
			30~1000	-4.46	-67.2	≤-24.46	PASS
			1000~26500	-4.46	-47.17	≤-24.46	PASS

Test Graphs

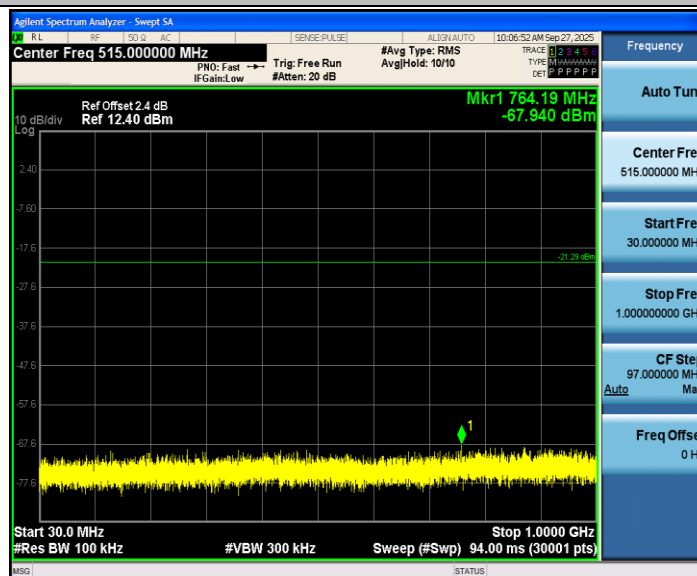




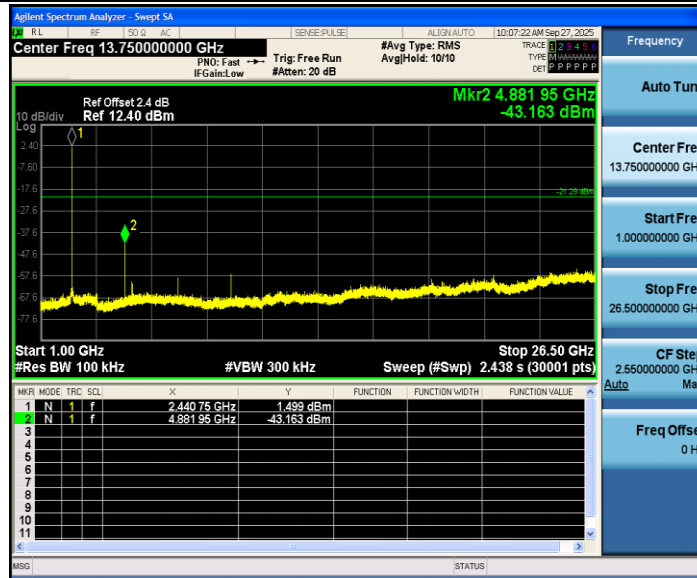
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



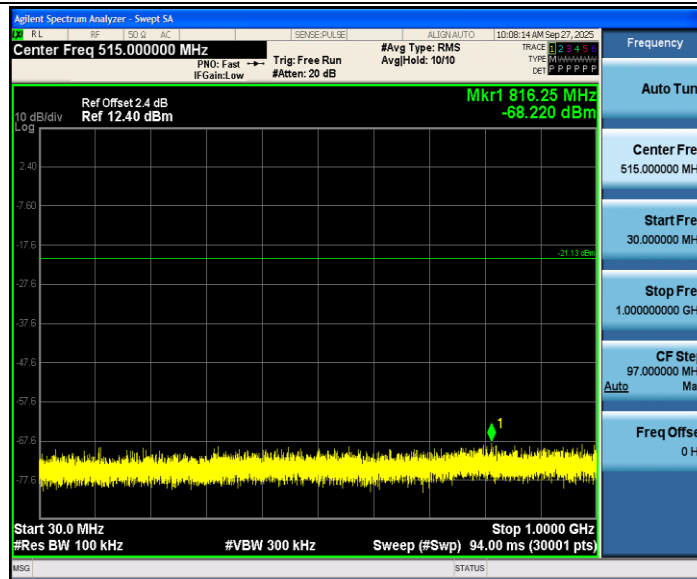
DH5_Ant1_2441_1000~26500



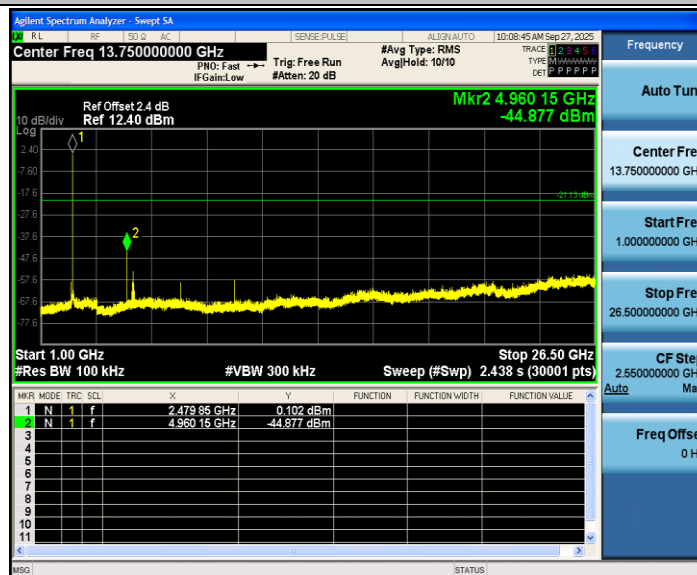
DH5_Ant1_2480_0~Reference



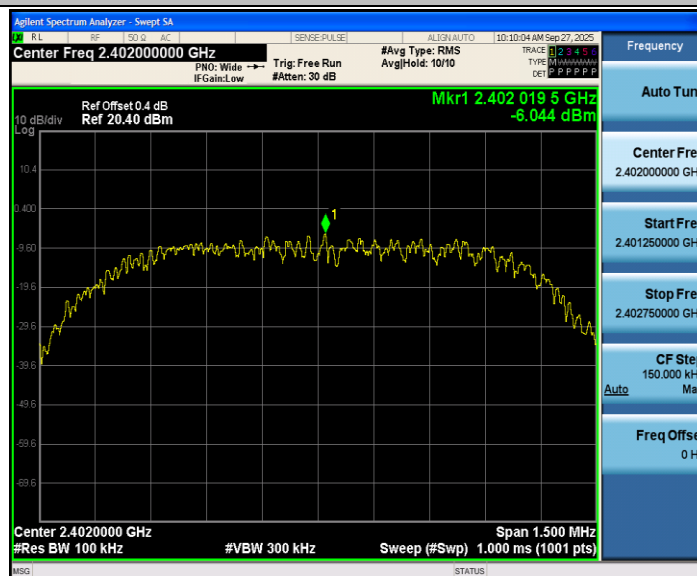
DH5_Ant1_2480_30~1000



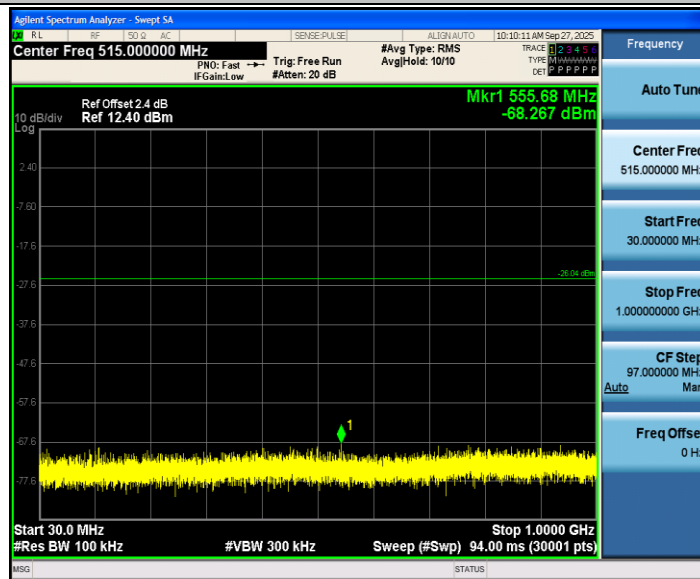
DH5_Ant1_2480_1000~26500



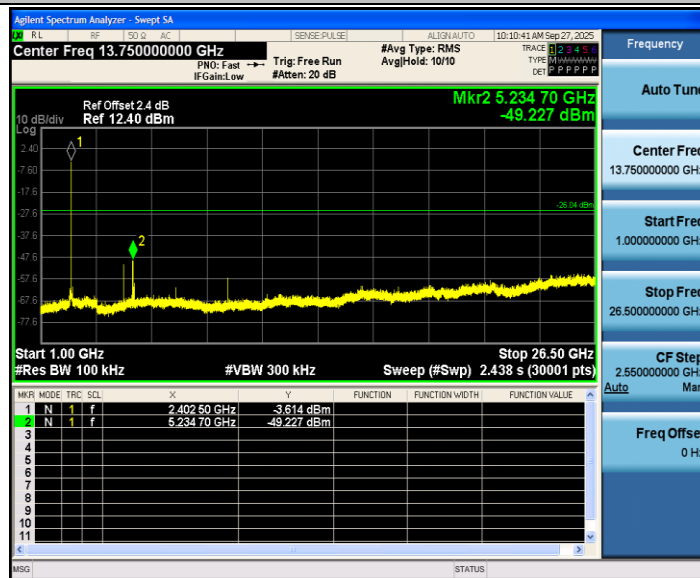
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference