

Appendix RF Test Data for BT

Company: : TOXMATE S.A.C.

EUT : Smart Watch

Model Number : T-TA0006

FCC ID : 2BSMP-T-TA0006

Report No. : CTA25081801001

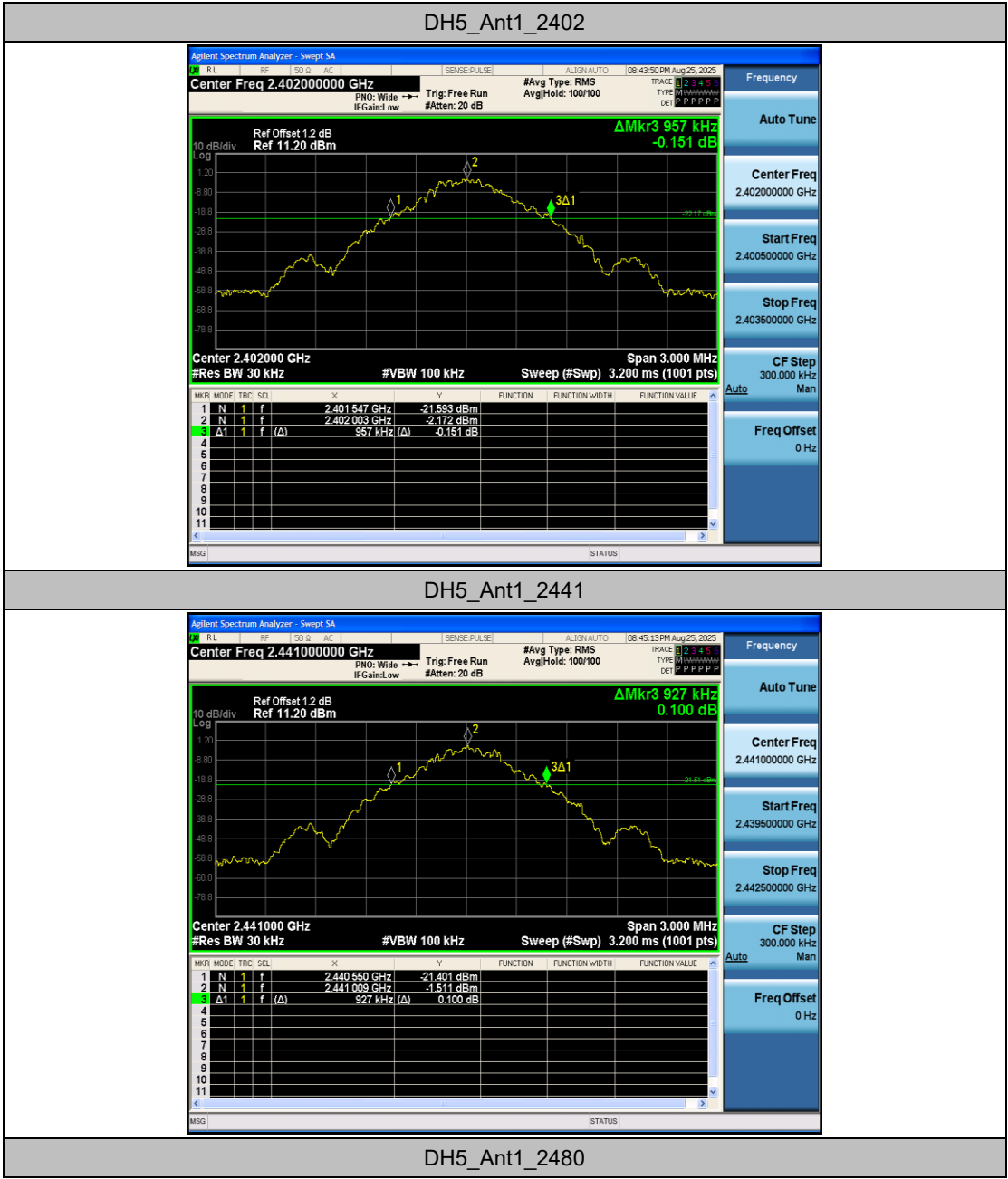
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.957	2401.547	2402.504	---	---
		2441	0.927	2440.550	2441.477	---	---
		2480	0.930	2479.553	2480.483	---	---
2DH5	Ant1	2402	1.338	2401.340	2402.678	---	---
		2441	1.341	2440.340	2441.681	---	---
		2480	1.284	2479.379	2480.663	---	---
3DH5	Ant1	2402	1.293	2401.364	2402.657	---	---
		2441	1.311	2440.358	2441.669	---	---
		2480	1.296	2479.364	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

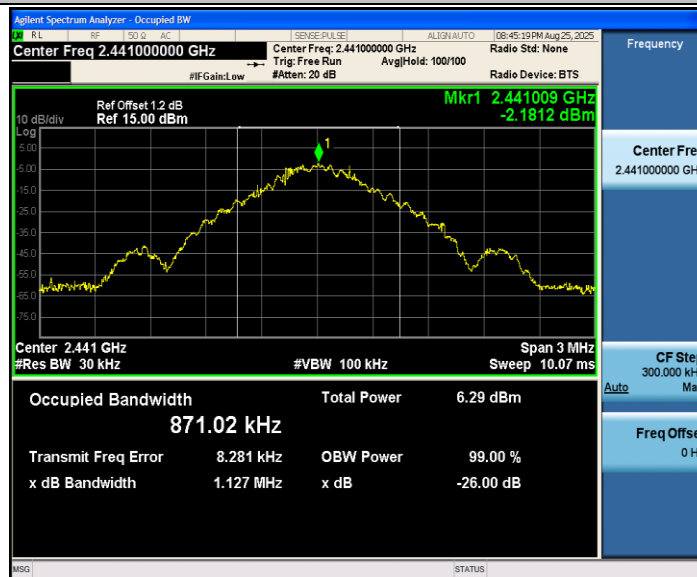
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86726	2401.5744	2402.4416	---	---
		2441	0.87102	2440.5728	2441.4438	---	---
		2480	0.86933	2479.5732	2480.4425	---	---
2DH5	Ant1	2402	1.1965	2401.4112	2402.6077	---	---
		2441	1.1941	2440.4136	2441.6077	---	---
		2480	1.1908	2479.4154	2480.6062	---	---
3DH5	Ant1	2402	1.1857	2401.4177	2402.6034	---	---
		2441	1.1892	2440.4161	2441.6053	---	---
		2480	1.1854	2479.4184	2480.6038	---	---

Test Graphs

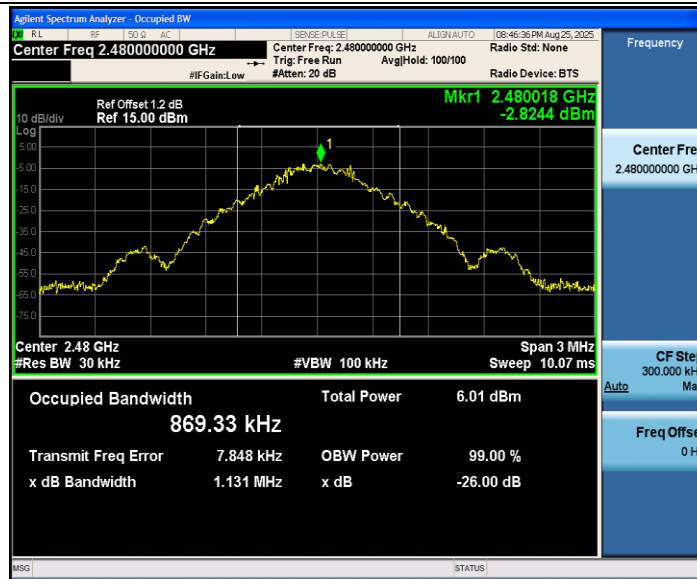
DH5_Ant1_2402



DH5_Ant1_2441



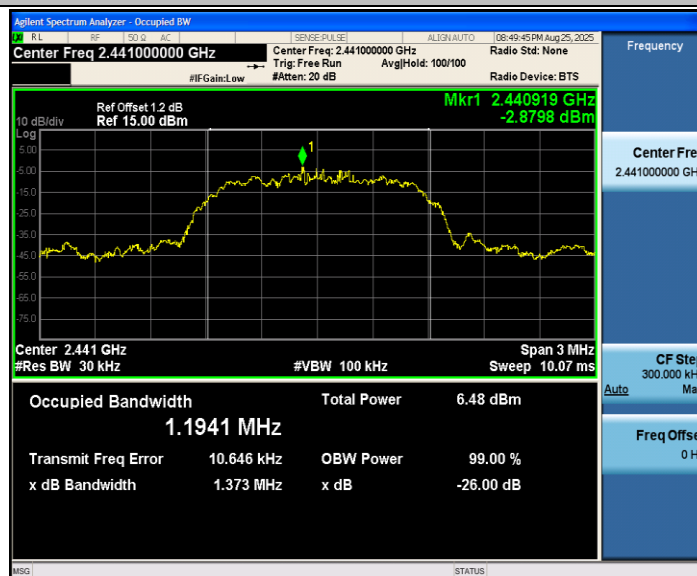
DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



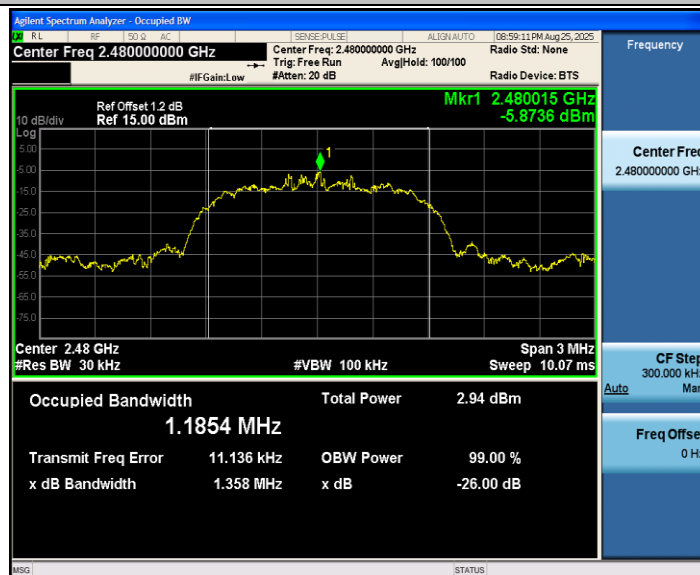
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

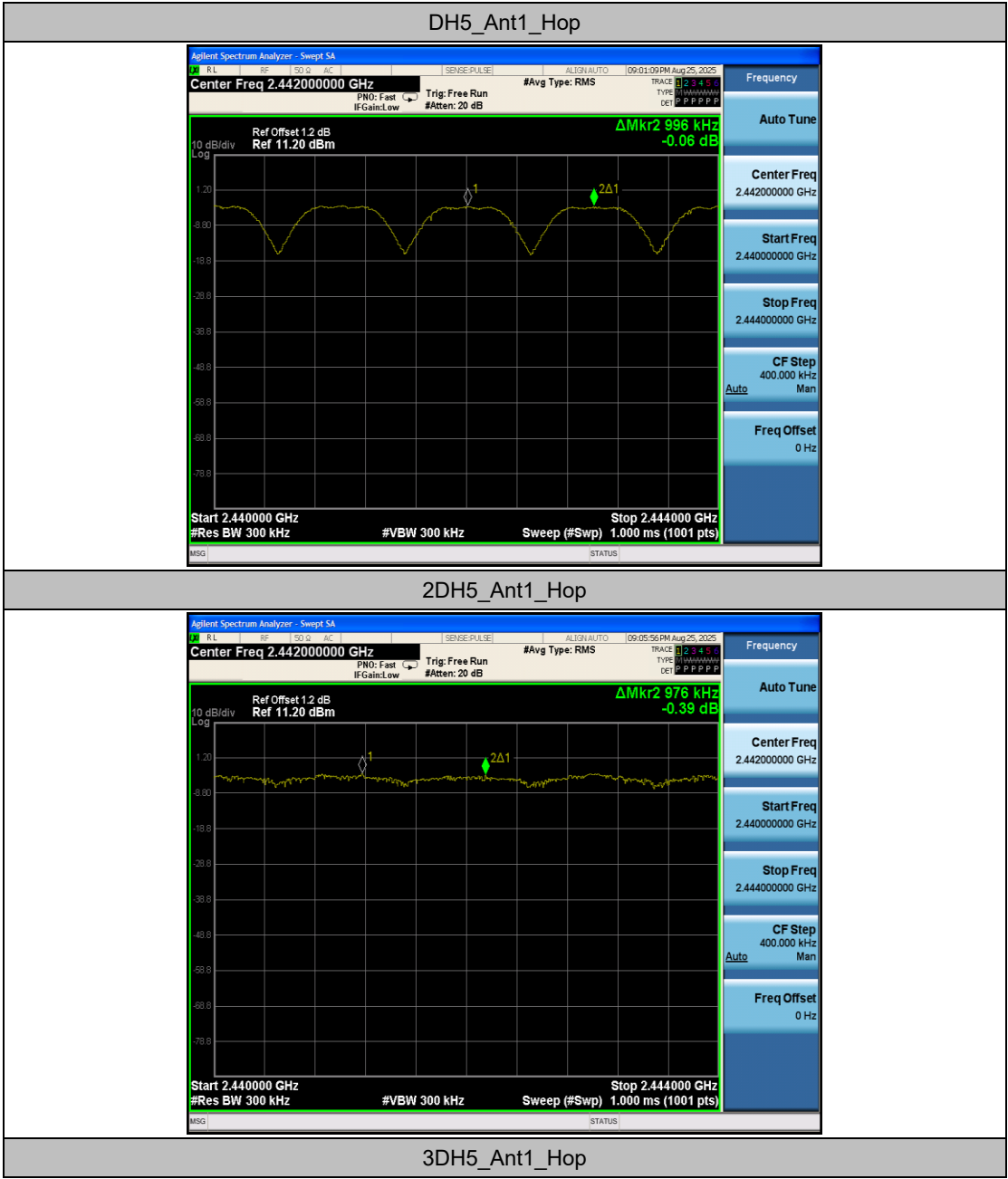
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.84	≤20.97	PASS
		2441	0.33	≤20.97	PASS
		2480	0.09	≤20.97	PASS
2DH5	Ant1	2402	3.55	≤20.97	PASS
		2441	3.03	≤20.97	PASS
		2480	-0.72	≤20.97	PASS
3DH5	Ant1	2402	0.37	≤20.97	PASS
		2441	-0.10	≤20.97	PASS
		2480	-0.34	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	≥ 0.957	PASS
2DH5	Ant1	Hop	0.976	≥ 0.894	PASS
3DH5	Ant1	Hop	0.984	≥ 0.874	PASS

Test Graphs



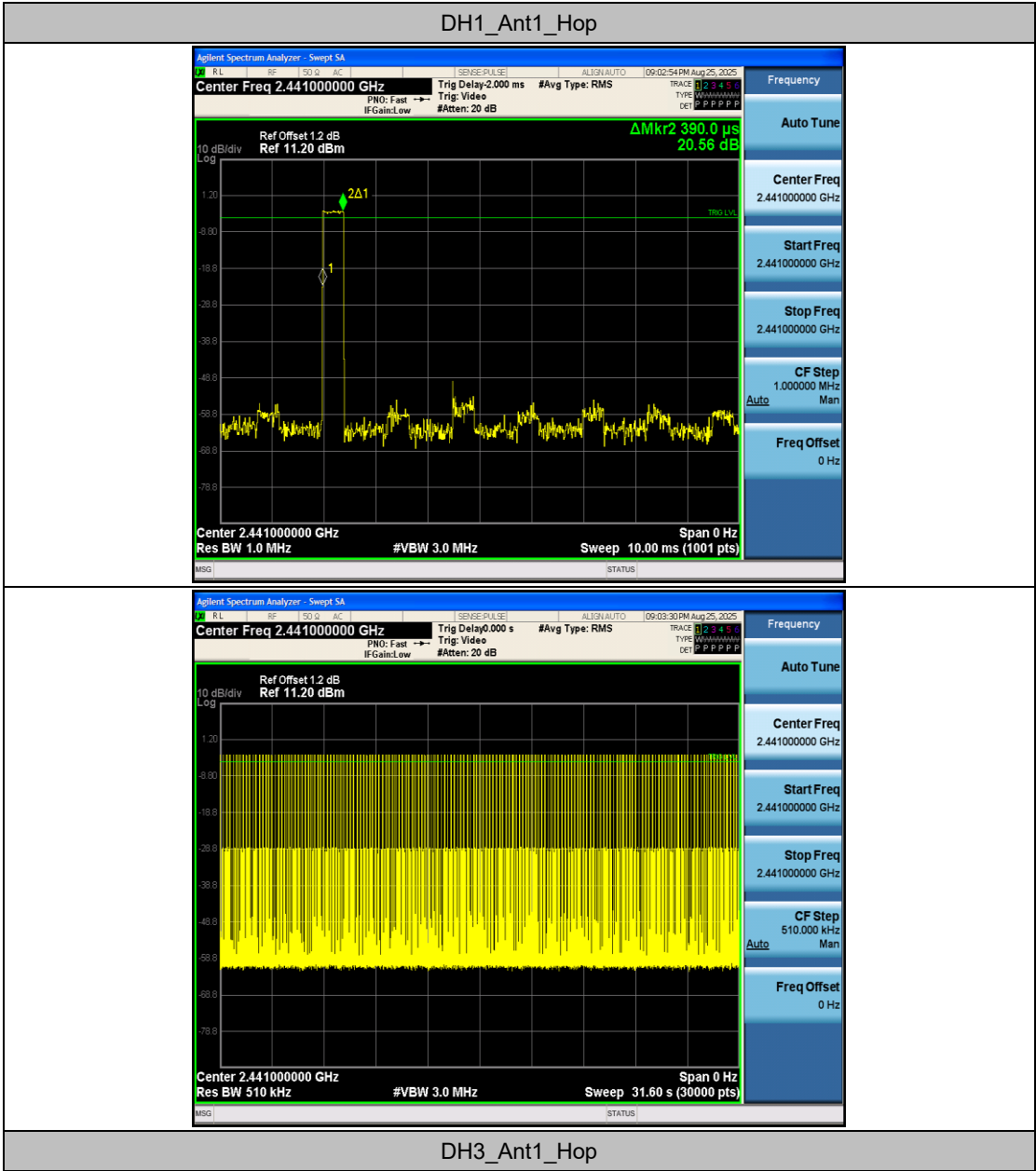


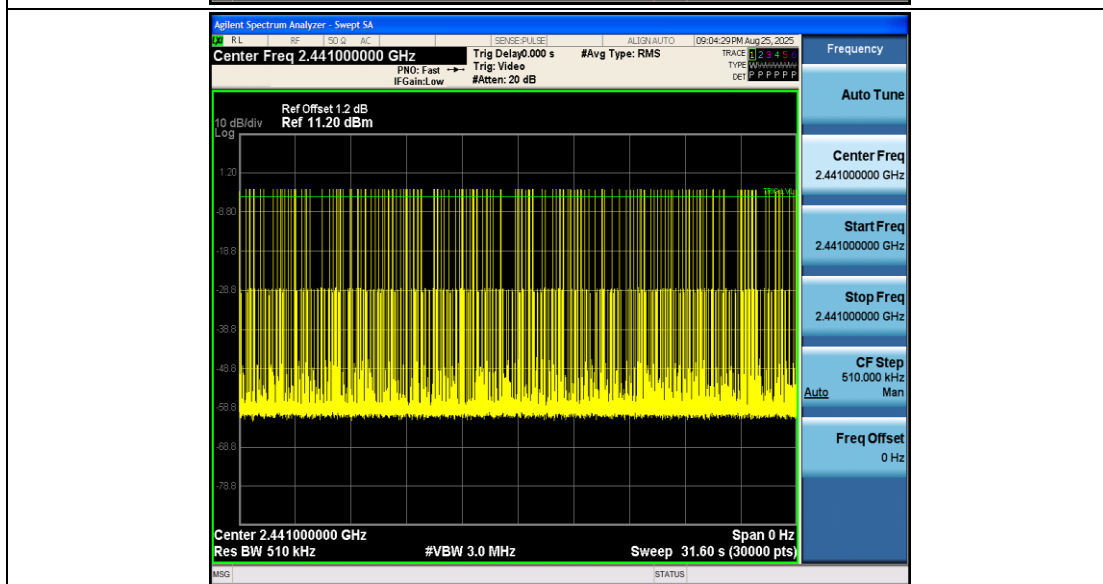
Appendix E: Time of occupancy

Test Result

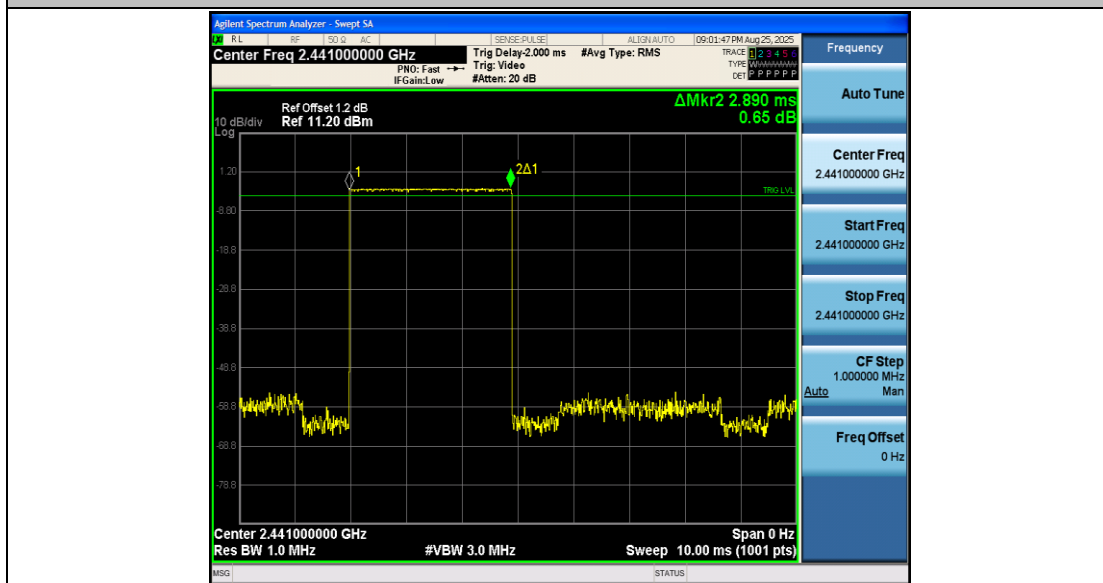
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	316	0.123	≤0.4	PASS
DH3	Ant1	Hop	1.640	165	0.271	≤0.4	PASS
DH5	Ant1	Hop	2.890	102	0.295	≤0.4	PASS
2DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.650	161	0.266	≤0.4	PASS
2DH5	Ant1	Hop	2.900	102	0.296	≤0.4	PASS
3DH1	Ant1	Hop	0.400	319	0.128	≤0.4	PASS
3DH3	Ant1	Hop	1.650	165	0.272	≤0.4	PASS
3DH5	Ant1	Hop	2.900	103	0.299	≤0.4	PASS

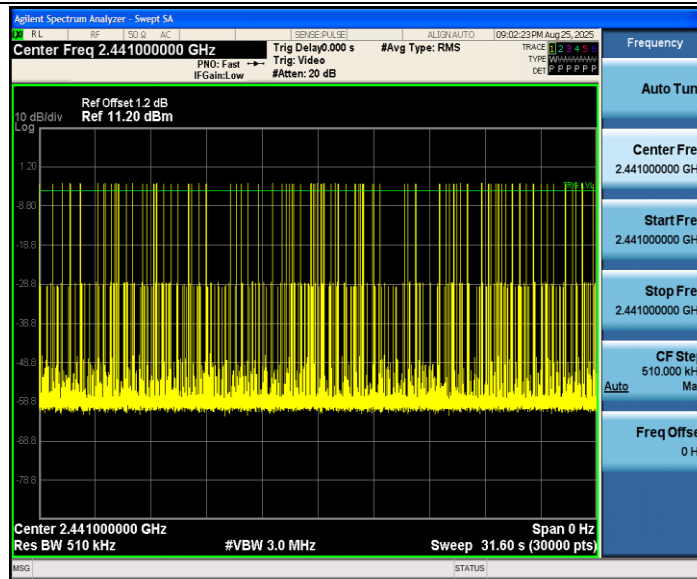
Test Graphs



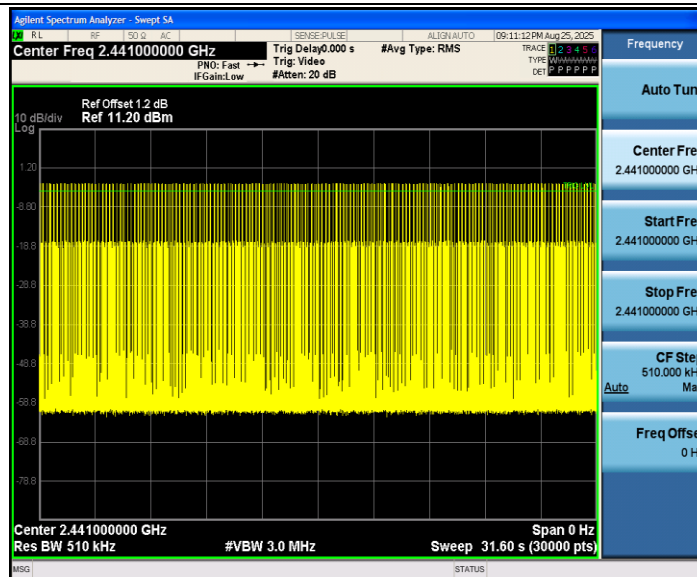
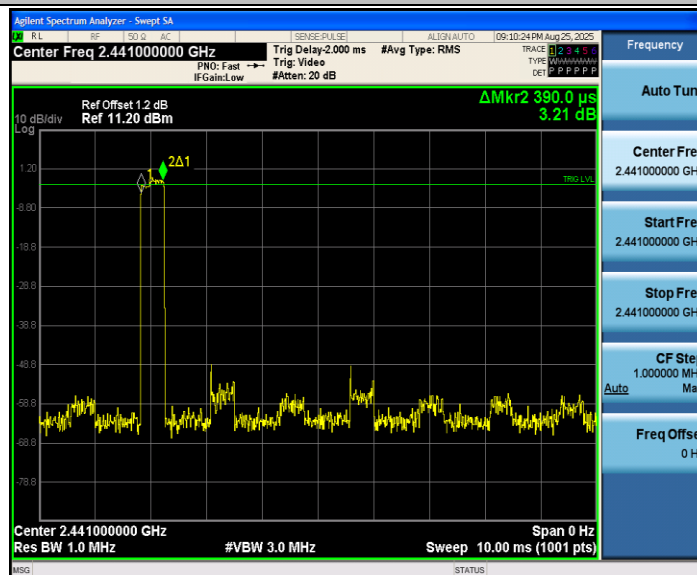


DH5_Ant1_Hop

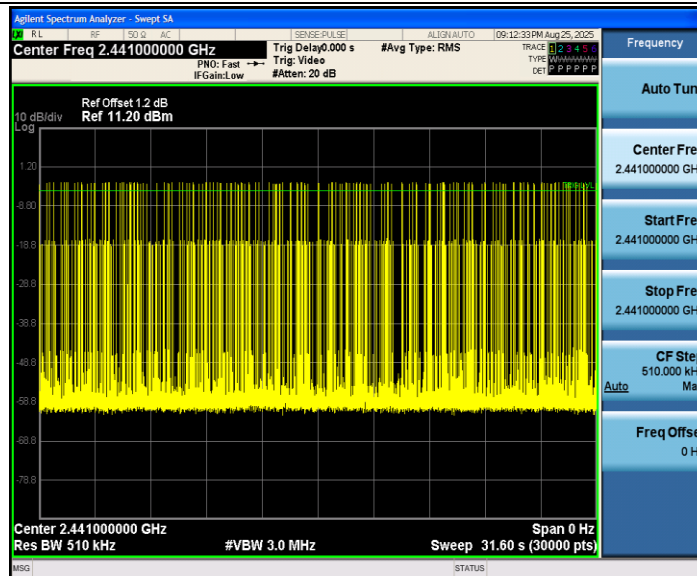
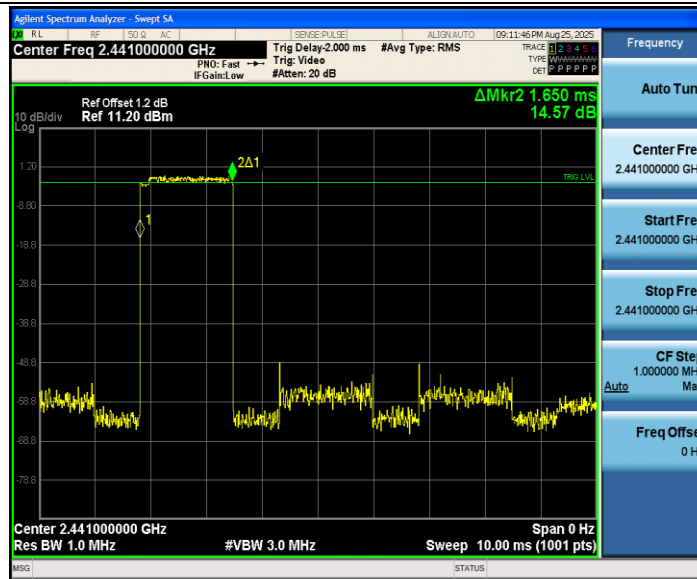




2DH1_Ant1_Hop

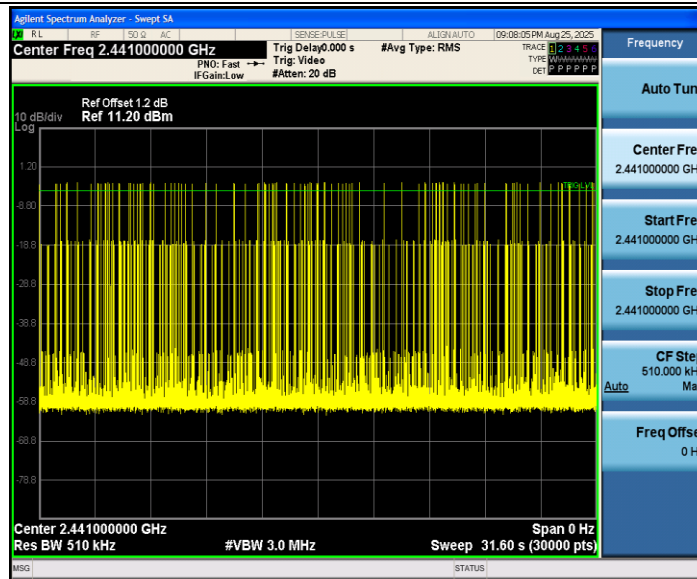


2DH3_Ant1_Hop

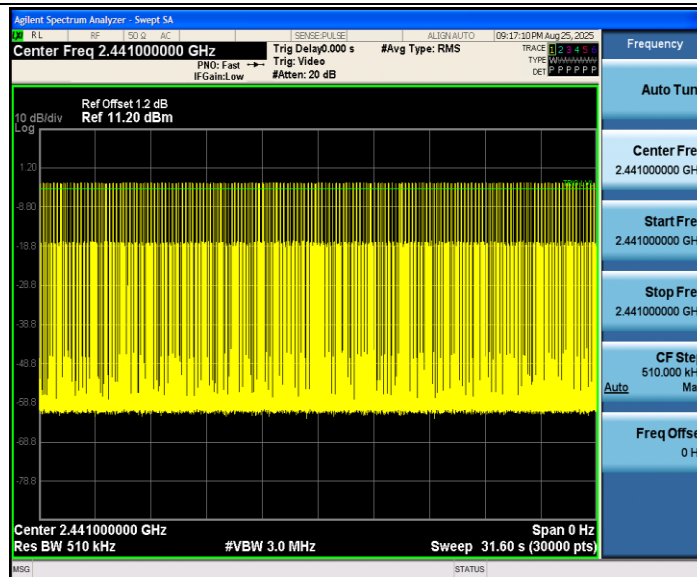
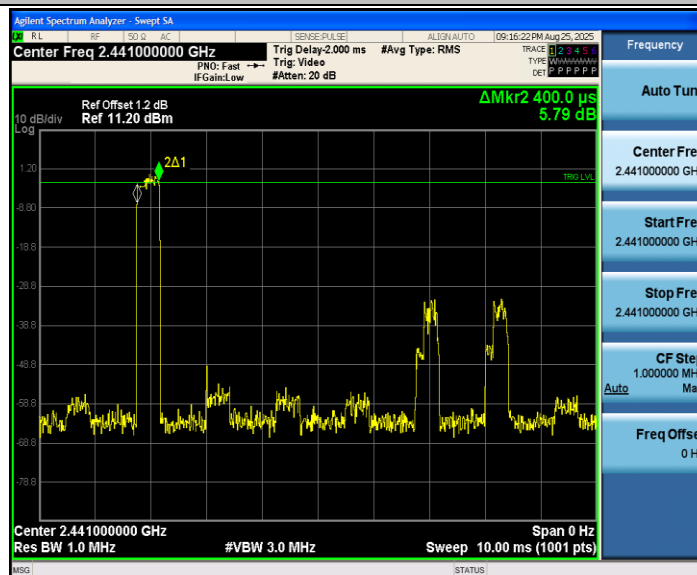


2DH5_Ant1_Hop

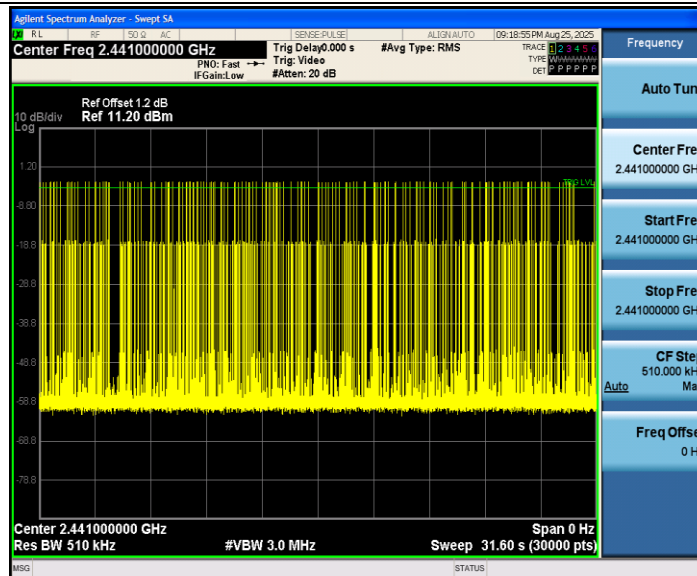
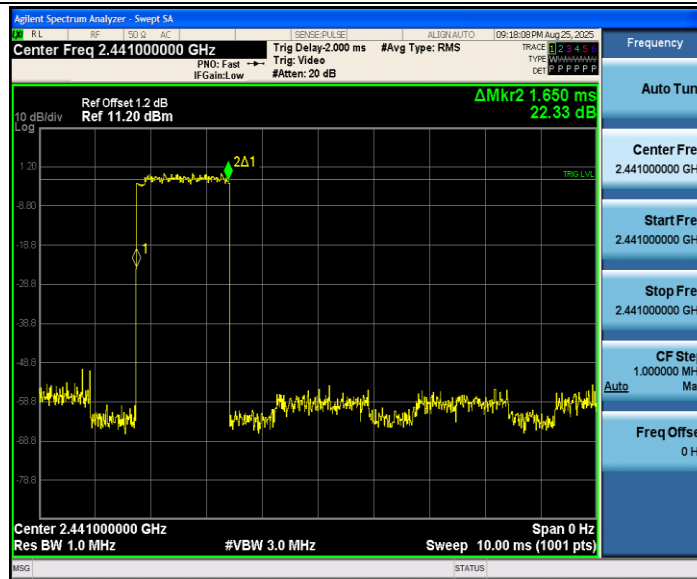




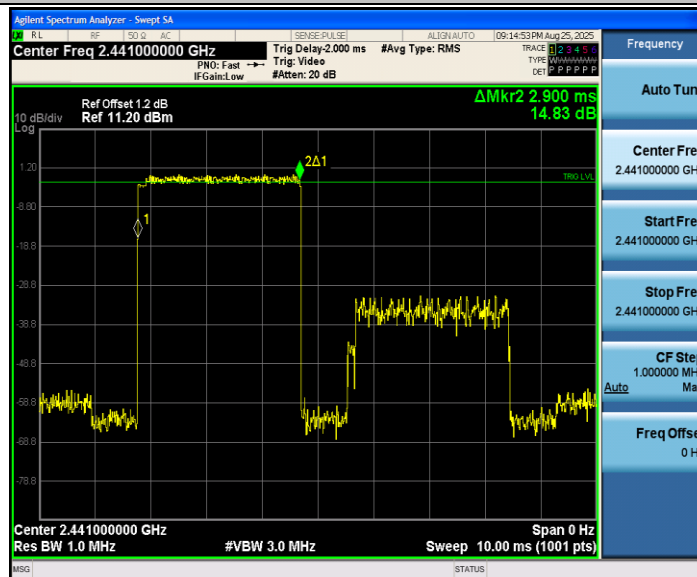
3DH1_Ant1_Hop

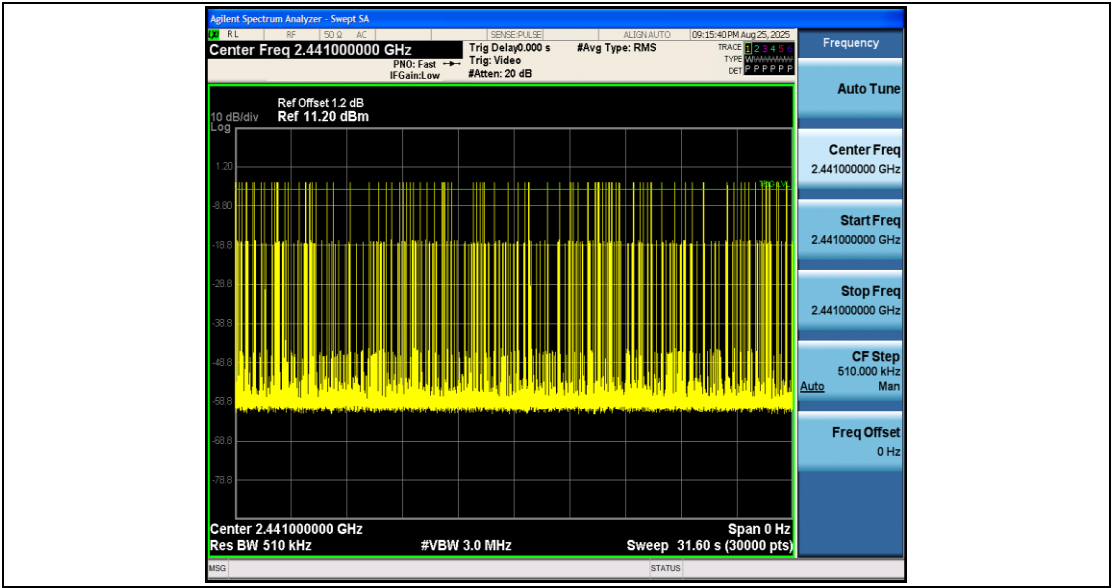


3DH3_Ant1_Hop



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

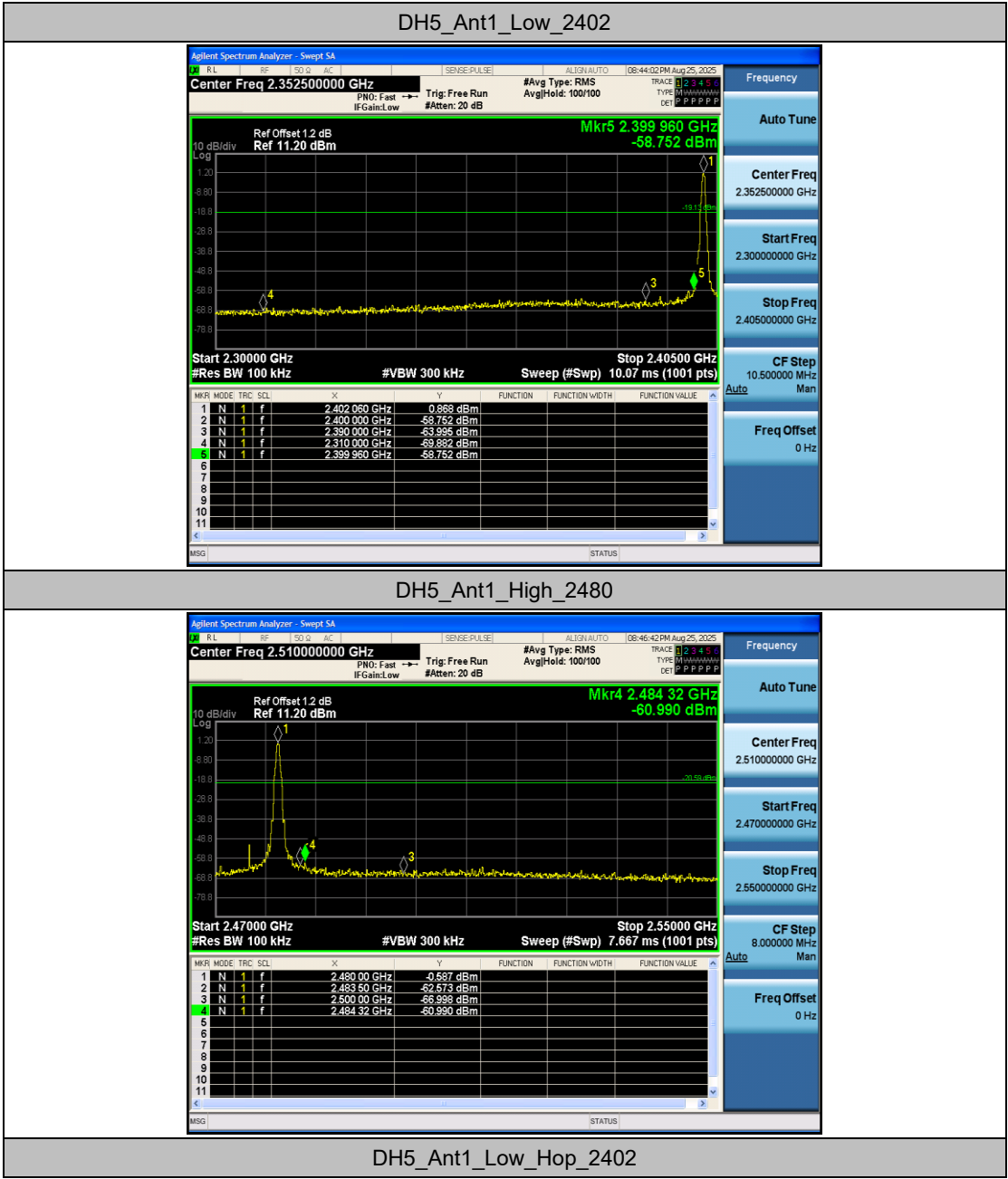


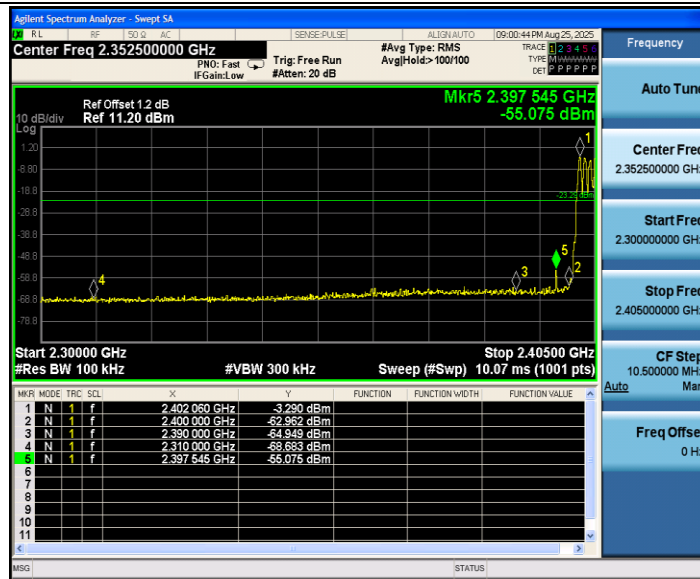
Appendix G: Band edge measurements

Test Result

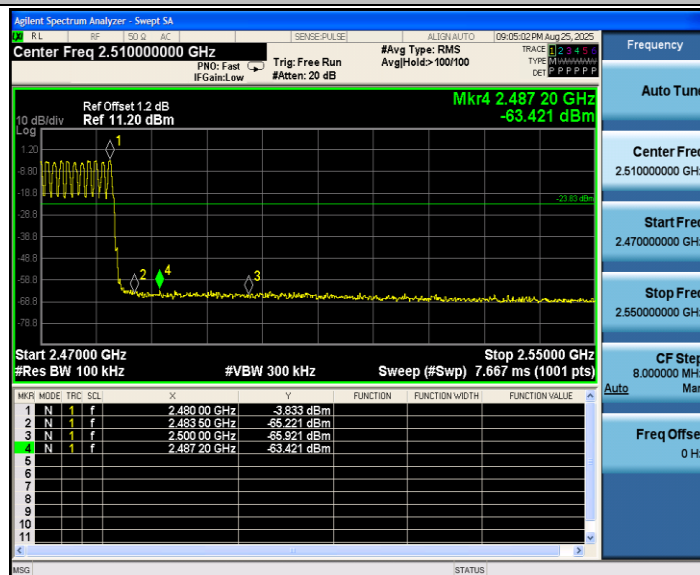
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.87	-58.75	≤-19.13	PASS
		High	2480	-0.59	-60.99	≤-20.59	PASS
		Low	Hop_2402	-3.29	-55.08	≤-23.29	PASS
		High	Hop_2480	-3.83	-63.42	≤-23.83	PASS
2DH5	Ant1	Low	2402	-0.15	-51.29	≤-20.15	PASS
		High	2480	-0.02	-61.55	≤-20.02	PASS
		Low	Hop_2402	-3.81	-61.9	≤-23.81	PASS
		High	Hop_2480	-3.28	-63.39	≤-23.28	PASS
3DH5	Ant1	Low	2402	-3.92	-57.94	≤-23.92	PASS
		High	2480	-3.86	-62.39	≤-23.86	PASS
		Low	Hop_2402	-3.36	-54.7	≤-23.36	PASS
		High	Hop_2480	-3.86	-62.83	≤-23.86	PASS

Test Graphs

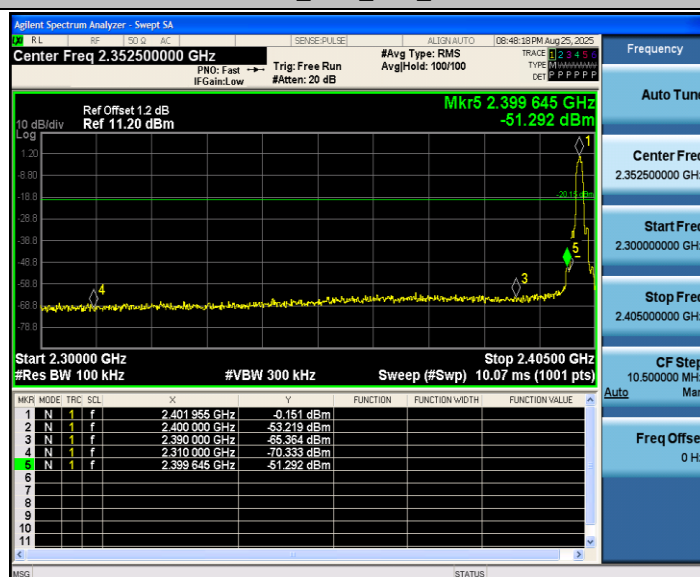




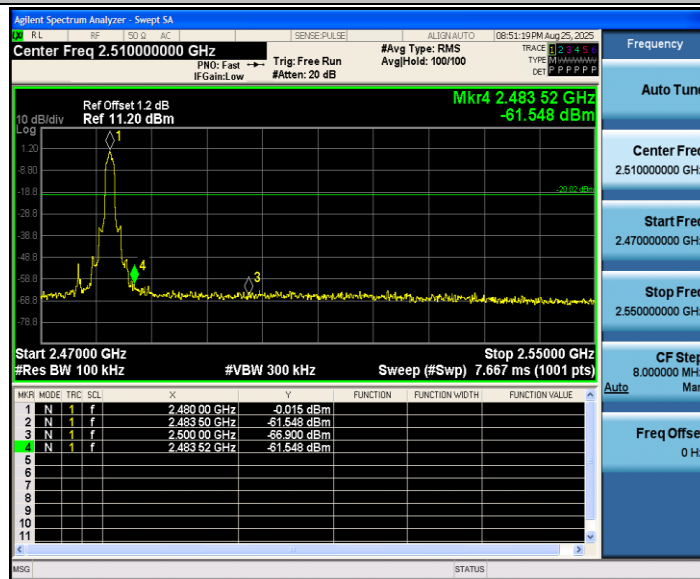
DH5_Ant1_High_Hop_2480



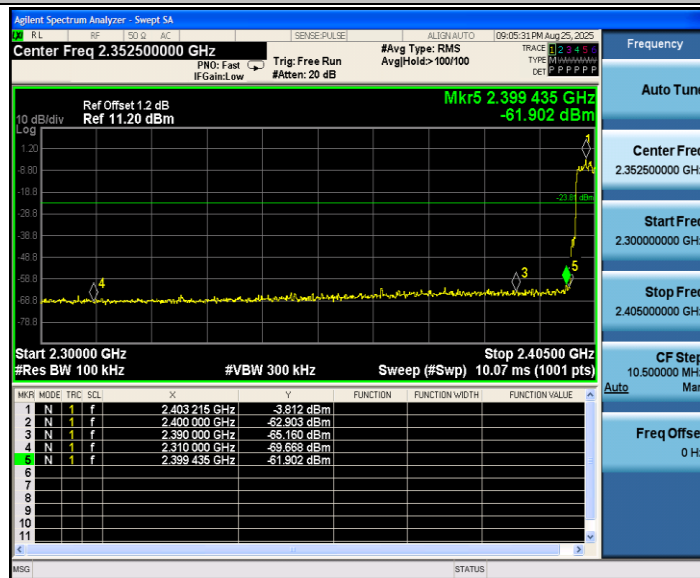
2DH5_Ant1_Low_2402



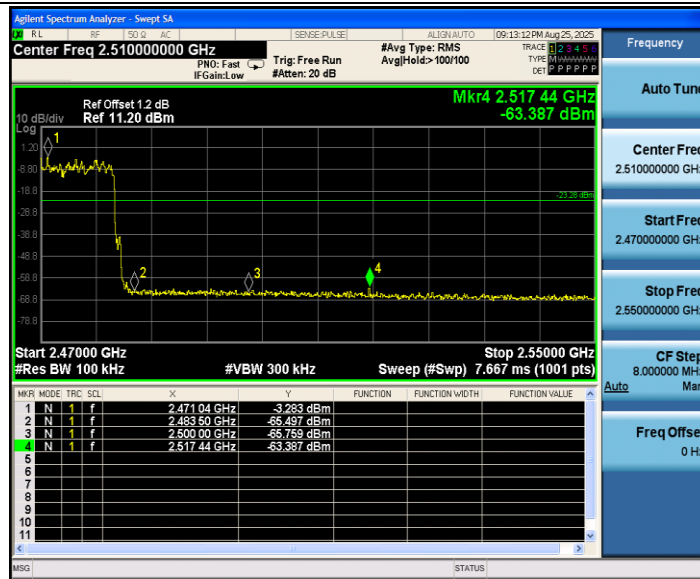
2DH5_Ant1_High_2480



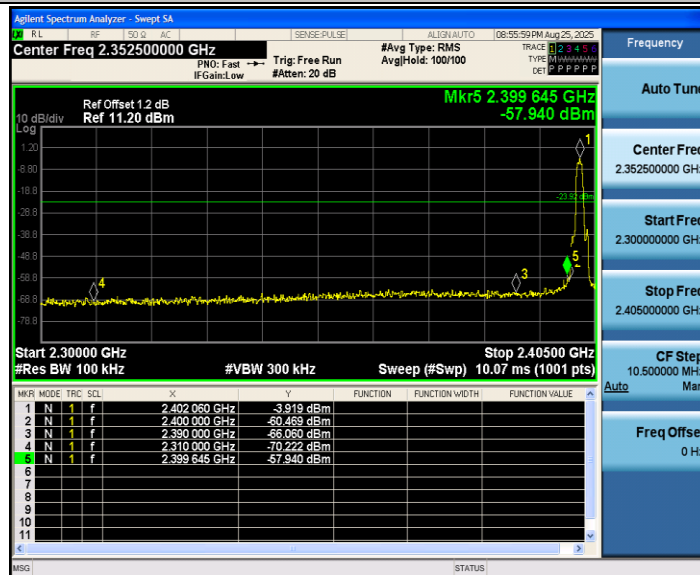
2DH5_Ant1_Low_Hop_2402



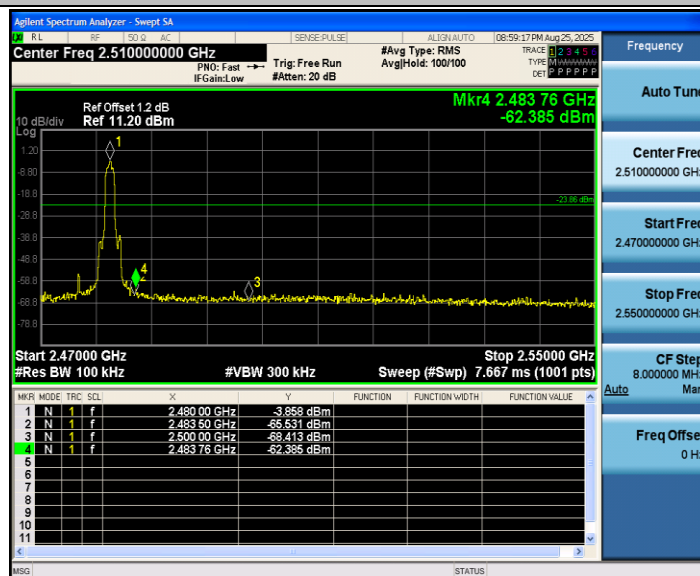
2DH5_Ant1_High_Hop_2480



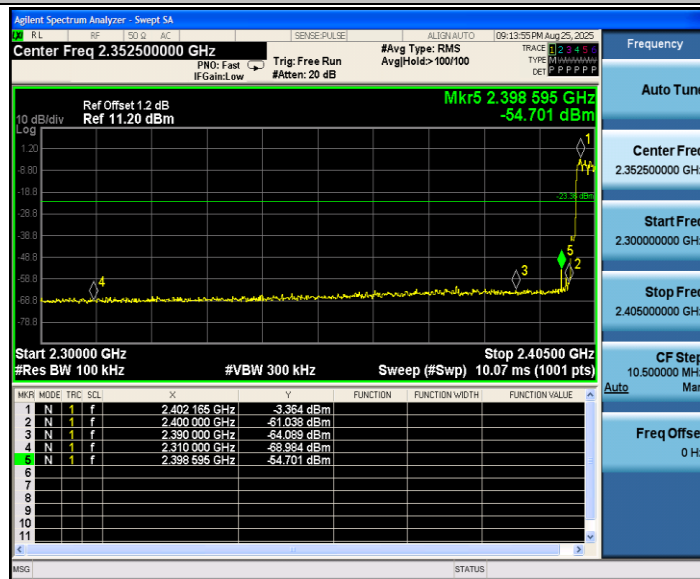
3DH5_Ant1_Low_2402



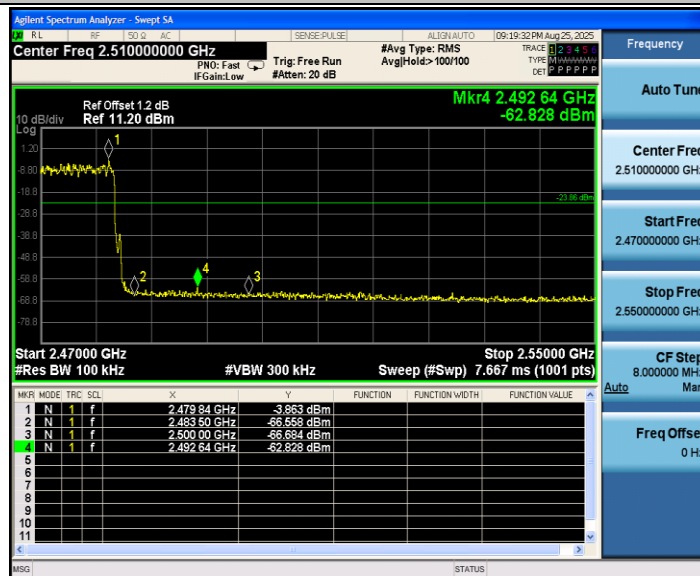
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

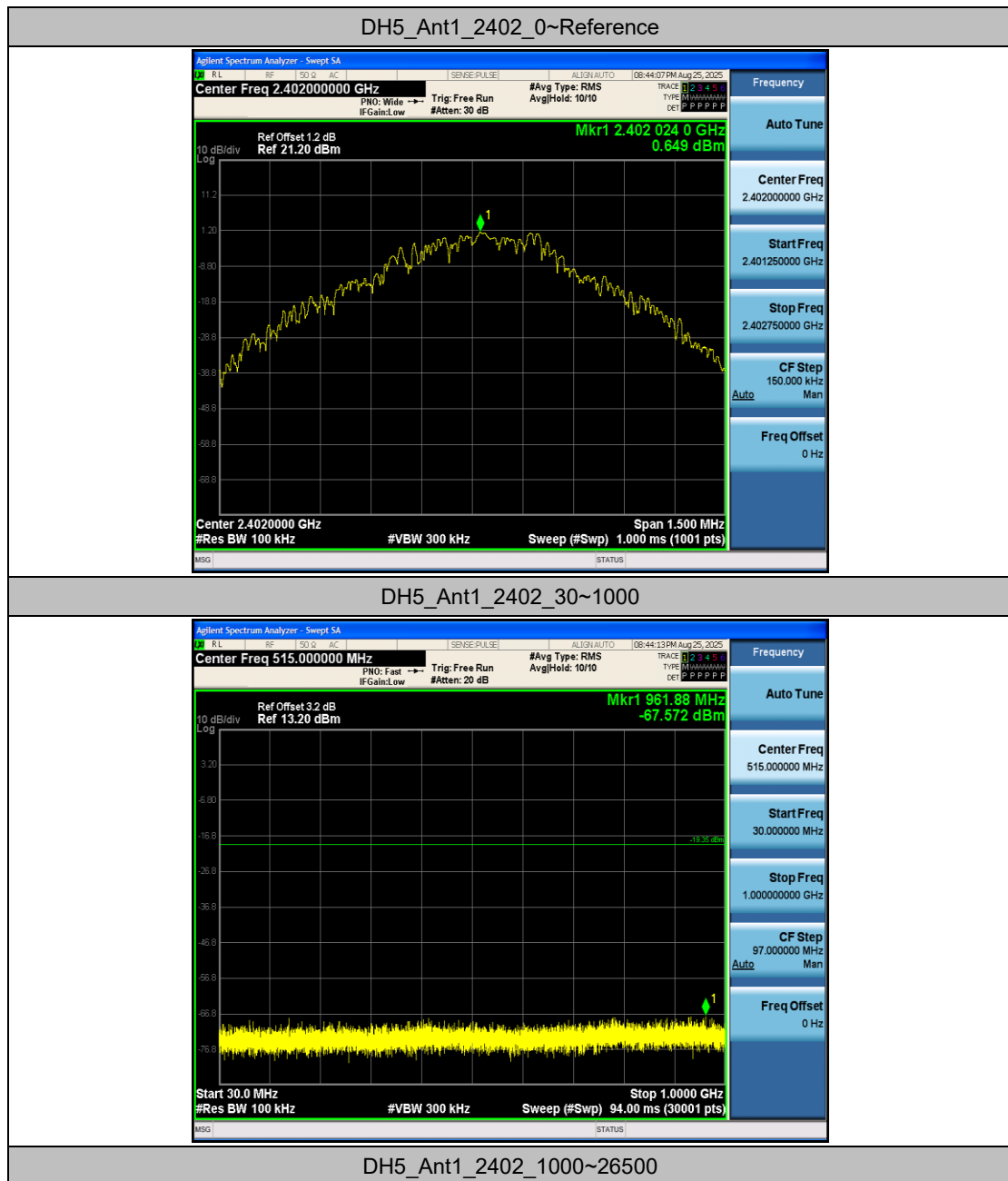


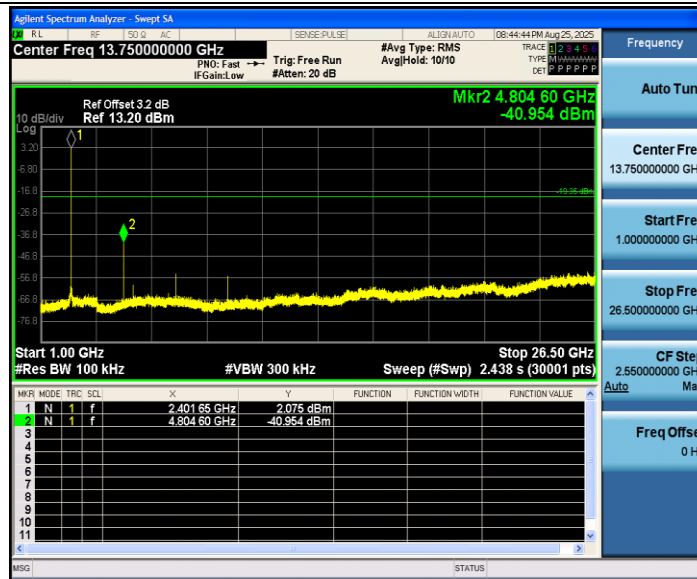
Appendix H: Conducted Spurious Emission

Test Result

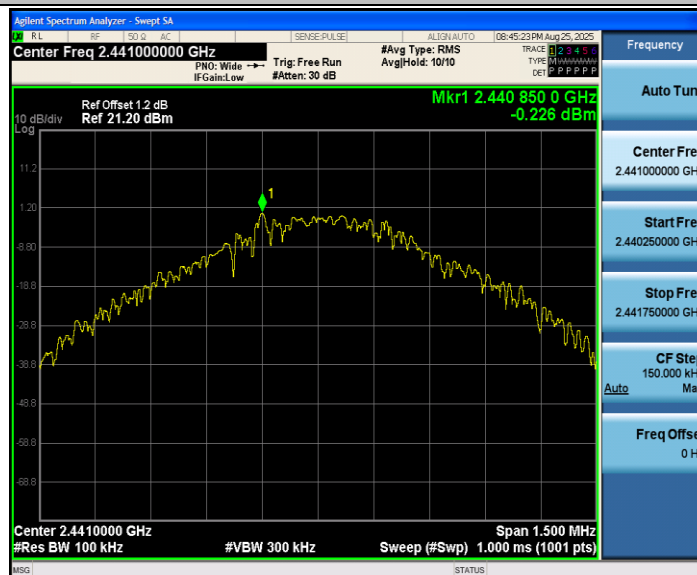
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.65	0.65	---	PASS
			30~1000	0.65	-67.57	≤-19.35	PASS
			1000~26500	0.65	-40.95	≤-19.35	PASS
		2441	Reference	-0.23	-0.23	---	PASS
			30~1000	-0.23	-67.12	≤-20.23	PASS
			1000~26500	-0.23	-41.91	≤-20.23	PASS
		2480	Reference	-1.08	-1.08	---	PASS
			30~1000	-1.08	-66.82	≤-21.08	PASS
			1000~26500	-1.08	-43.29	≤-21.08	PASS
2DH5	Ant1	2402	Reference	-0.40	-0.40	---	PASS
			30~1000	-0.40	-67.27	≤-20.4	PASS
			1000~26500	-0.40	-43.71	≤-20.4	PASS
		2441	Reference	-2.23	-2.23	---	PASS
			30~1000	-2.23	-67.17	≤-22.23	PASS
			1000~26500	-2.23	-44.7	≤-22.23	PASS
		2480	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-66.91	≤-21.47	PASS
			1000~26500	-1.47	-42.13	≤-21.47	PASS
3DH5	Ant1	2402	Reference	-5.28	-5.28	---	PASS
			30~1000	-5.28	-66.31	≤-25.28	PASS
			1000~26500	-5.28	-49.64	≤-25.28	PASS
		2441	Reference	-4.26	-4.26	---	PASS
			30~1000	-4.26	-66.8	≤-24.26	PASS
			1000~26500	-4.26	-49.86	≤-24.26	PASS
		2480	Reference	-5.65	-5.65	---	PASS
			30~1000	-5.65	-66.94	≤-25.65	PASS
			1000~26500	-5.65	-45.11	≤-25.65	PASS

Test Graphs

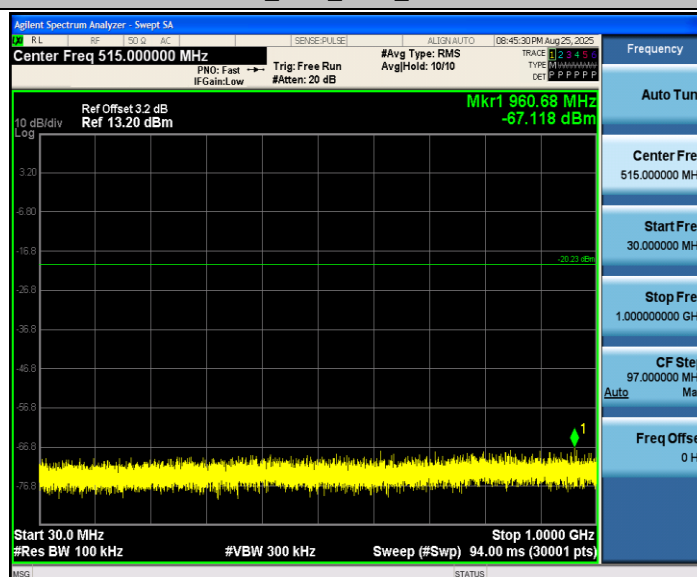




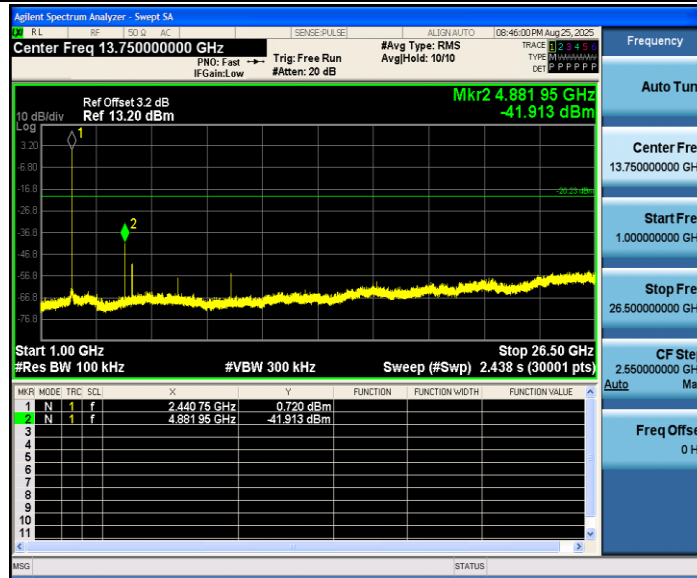
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



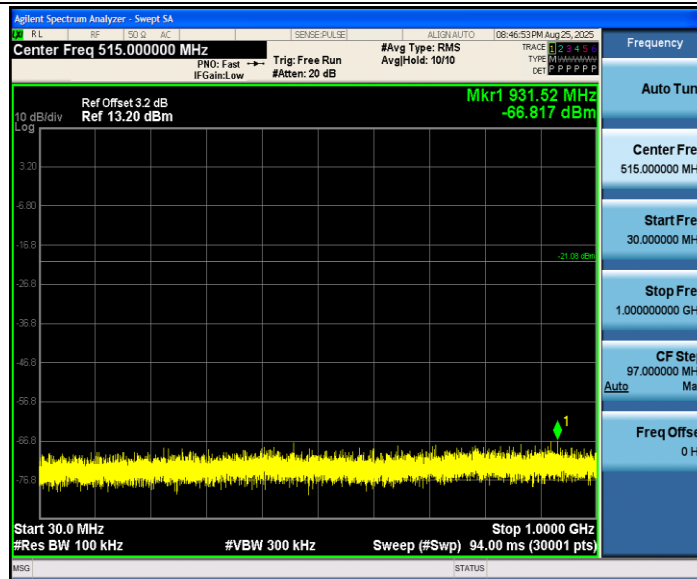
DH5_Ant1_2441_1000~26500



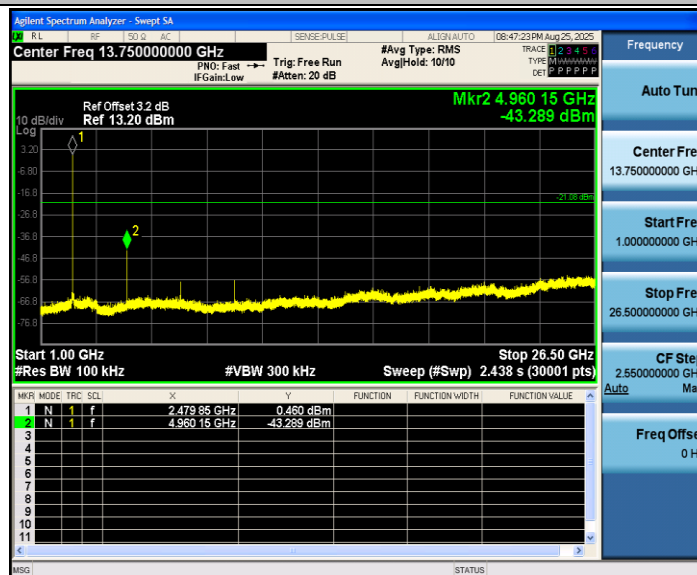
DH5_Ant1_2480_0~Reference



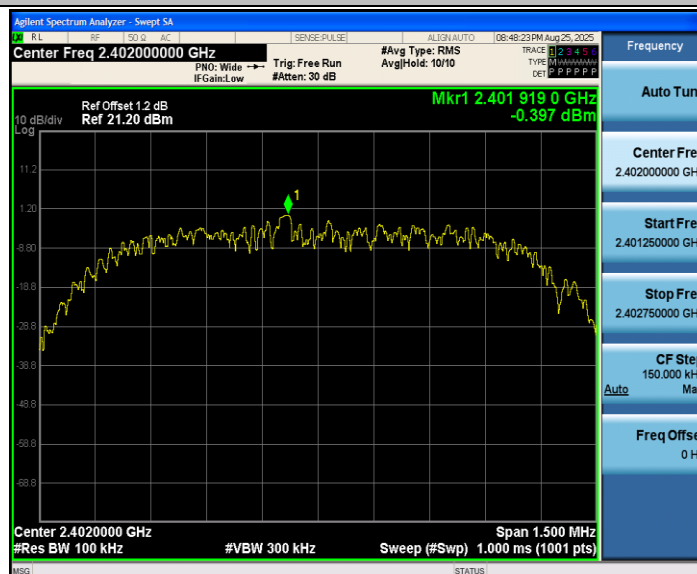
DH5_Ant1_2480_30~1000



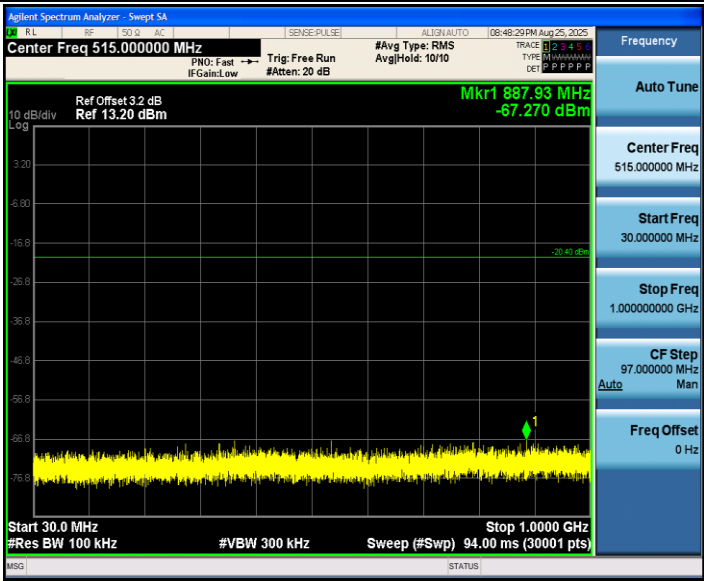
DH5_Ant1_2480_1000~26500



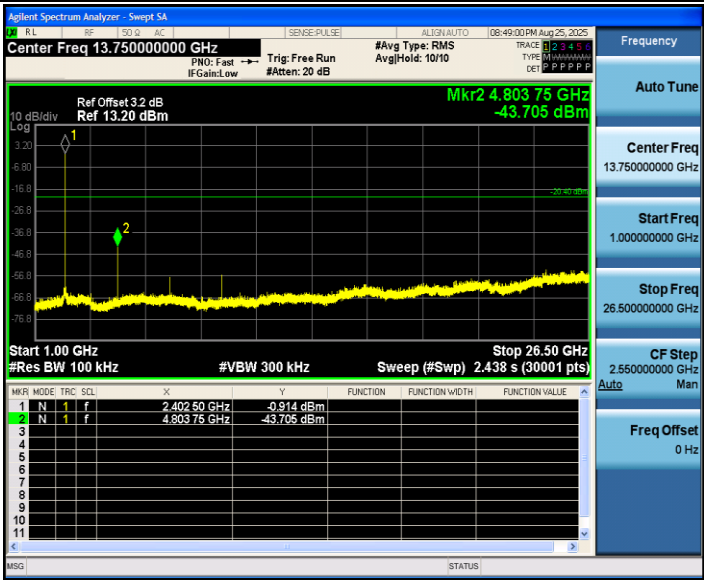
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference