

FCC Appendix RF Test Data for BT

FCC ID : 2BMP7-A17MINI

Company : Shenzhen Tailefeng Communications Co., Ltd.

EUT : WCDMA digital mobile phone

Model Number : A17 Mini

Report No. : CTA25112503704

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	2401.553	2402.498	---	---
		2441	0.942	2440.547	2441.489	---	---
		2480	0.945	2479.550	2480.495	---	---
2DH5	Ant1	2402	1.308	2401.355	2402.663	---	---
		2441	1.275	2440.382	2441.657	---	---
		2480	1.320	2479.349	2480.669	---	---
3DH5	Ant1	2402	1.281	2401.379	2402.660	---	---
		2441	1.335	2440.343	2441.678	---	---
		2480	1.320	2479.349	2480.669	---	---

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



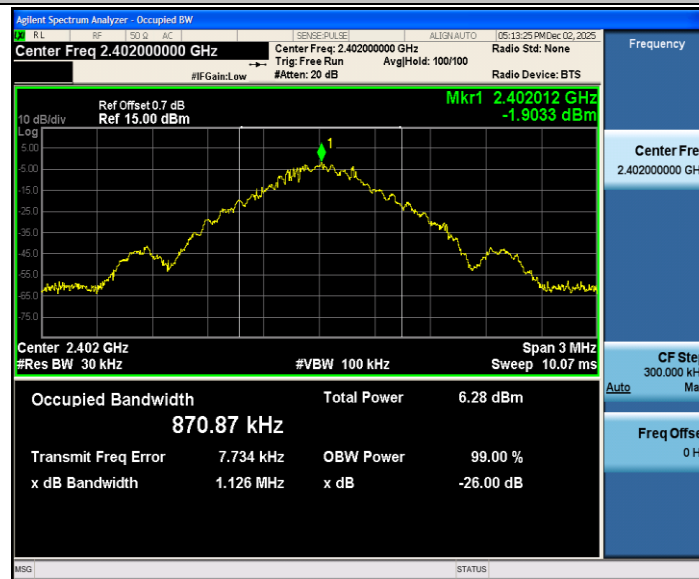
Appendix B: Occupied Channel Bandwidth

Test Result

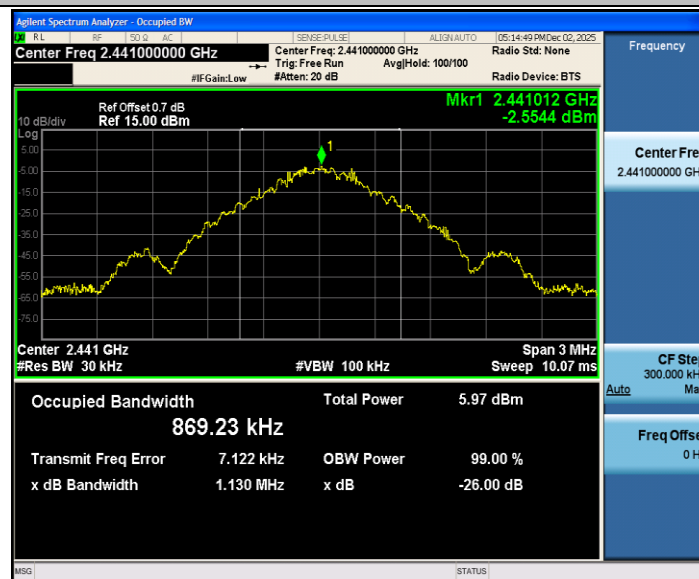
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87087	2401.5723	2402.4432	---	---
		2441	0.86923	2440.5725	2441.4417	---	---
		2480	0.87004	2479.5721	2480.4422	---	---
2DH5	Ant1	2402	1.1866	2401.4173	2402.6039	---	---
		2441	1.1904	2440.4162	2441.6066	---	---
		2480	1.1880	2479.4166	2480.6046	---	---
3DH5	Ant1	2402	1.1934	2401.4143	2402.6077	---	---
		2441	1.1813	2440.4191	2441.6004	---	---
		2480	1.1931	2479.4150	2480.6081	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



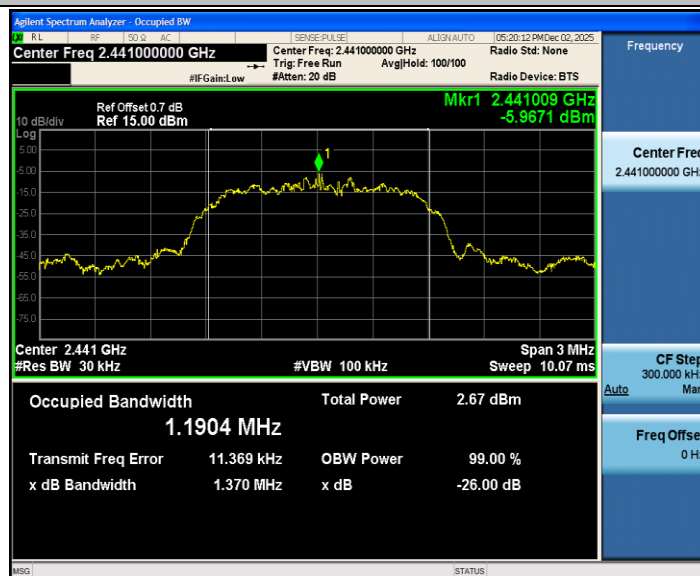
DH5_Ant1_2480



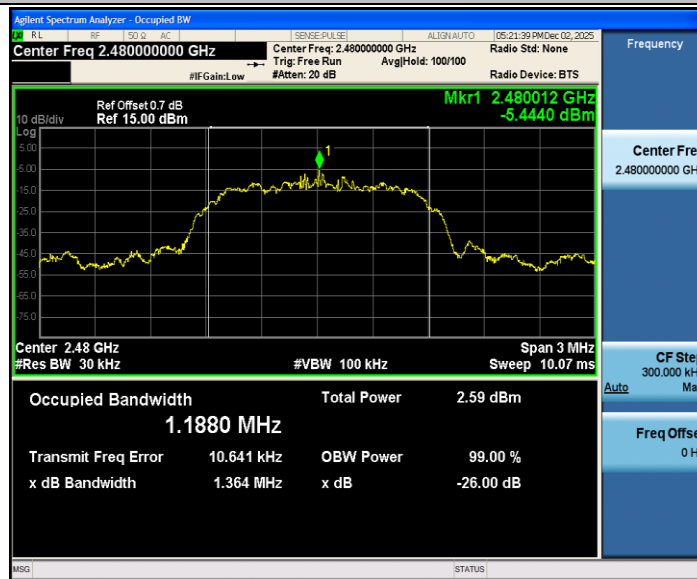
2DH5_Ant1_2402



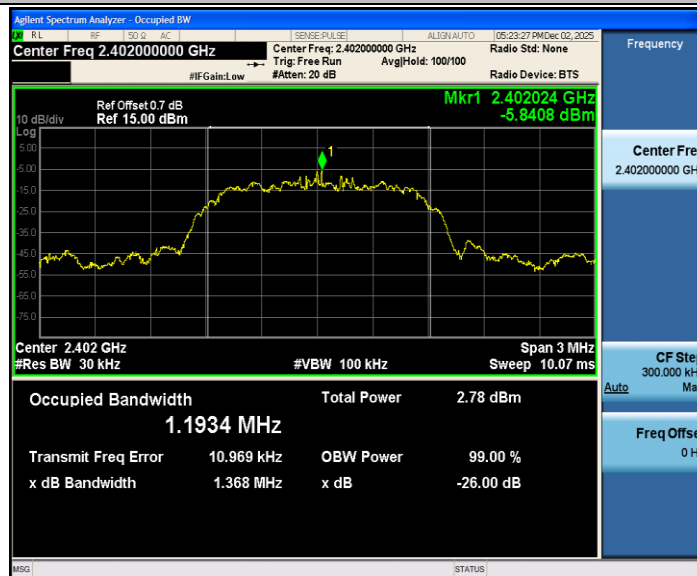
2DH5_Ant1_2441



2DH5_Ant1_2480



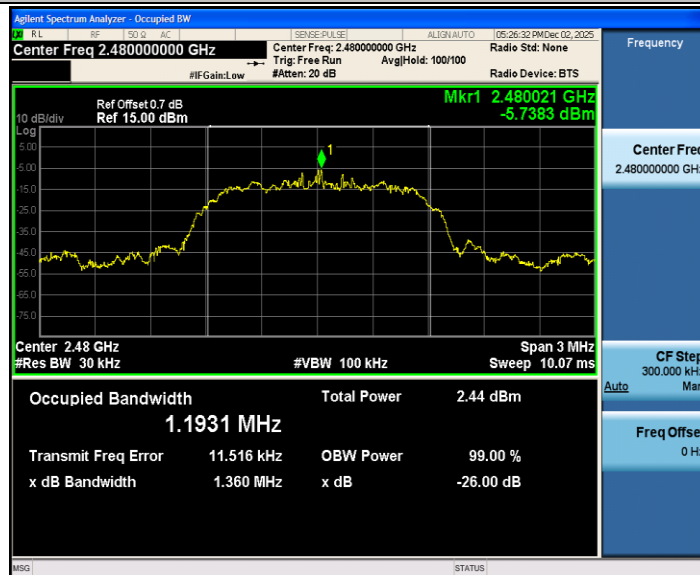
3DH5_Ant1_2402



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	0.31	≤20.97	PASS
		2441	0.08	≤20.97	PASS
		2480	0.01	≤20.97	PASS
2DH5	Ant1	2402	-0.47	≤20.97	PASS
		2441	-0.76	≤20.97	PASS
		2480	-0.79	≤20.97	PASS
3DH5	Ant1	2402	-0.49	≤20.97	PASS
		2441	-0.75	≤20.97	PASS
		2480	-0.84	≤20.97	PASS

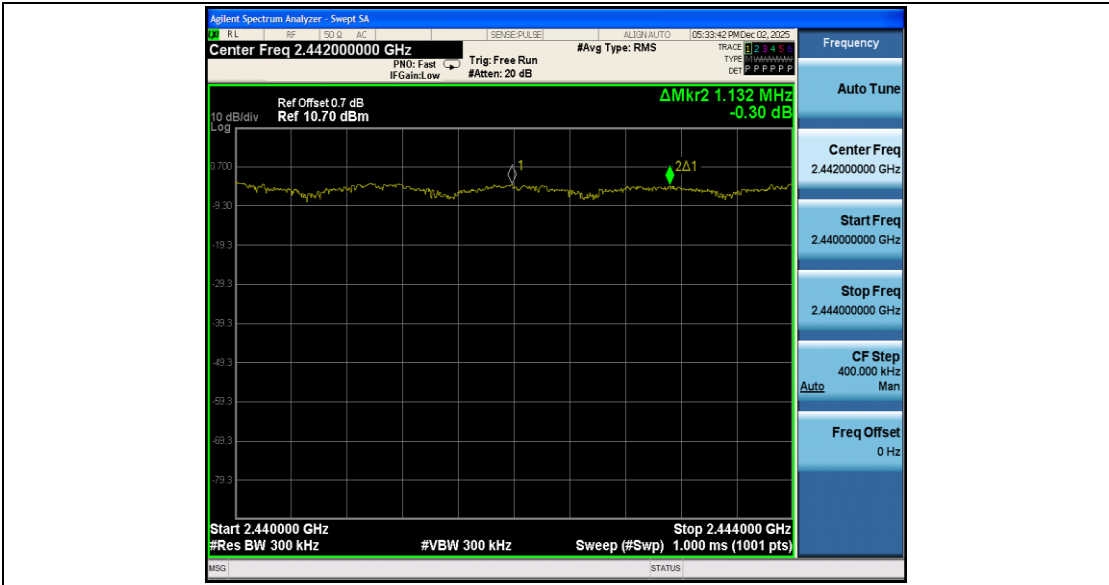
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.028	≥ 0.945	PASS
2DH5	Ant1	Hop	1.184	≥ 0.880	PASS
3DH5	Ant1	Hop	1.132	≥ 0.890	PASS

Test Graphs



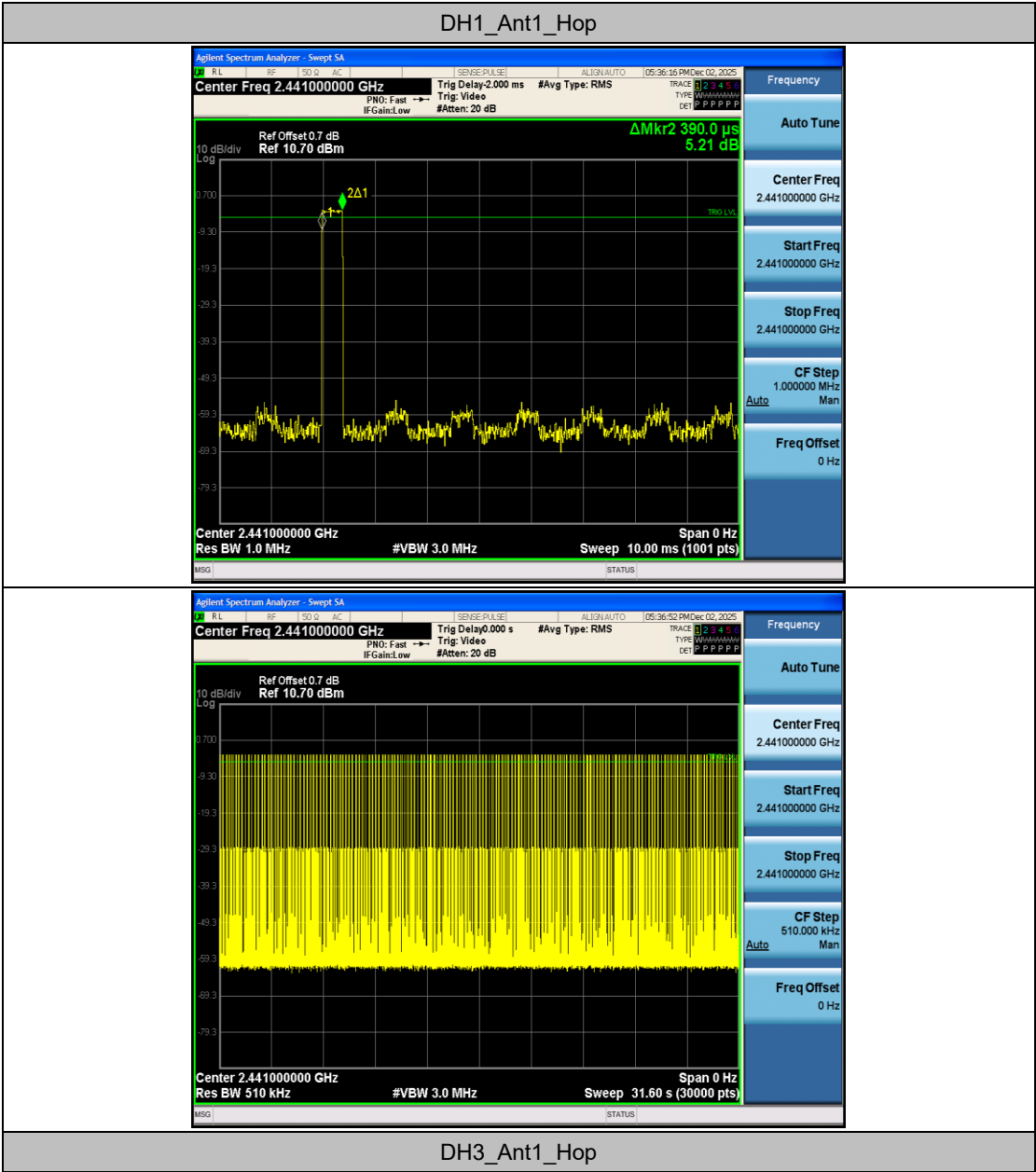


Appendix E: Time of occupancy

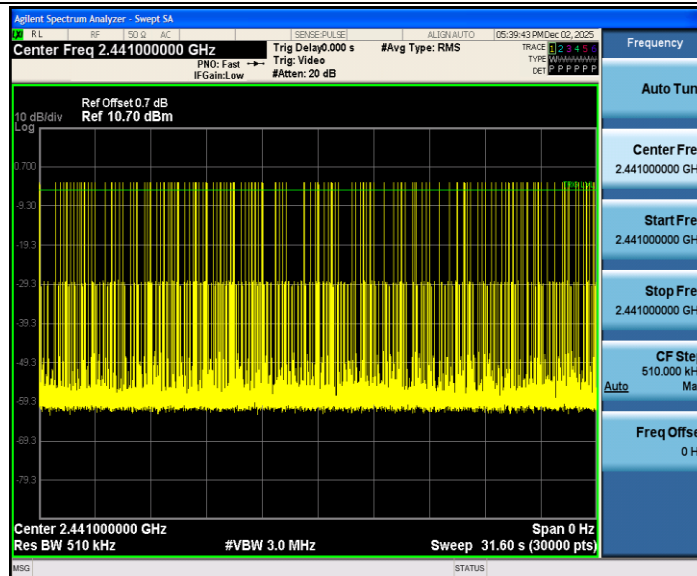
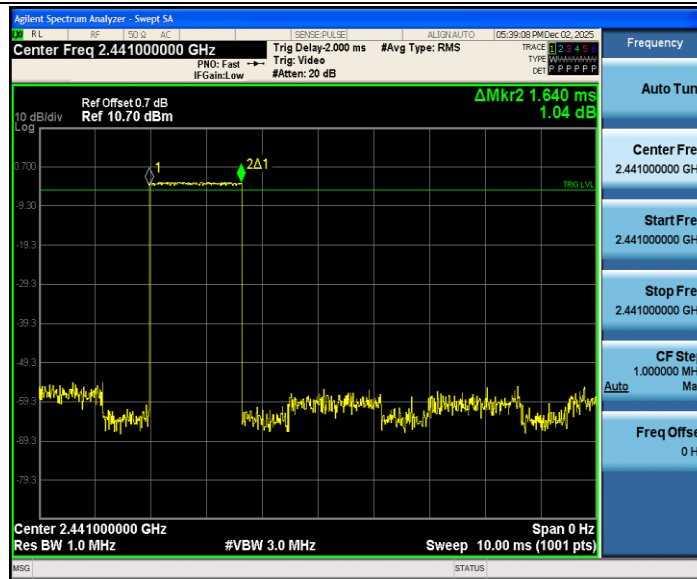
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.640	155	0.254	≤0.4	PASS
DH5	Ant1	Hop	2.900	116	0.336	≤0.4	PASS
2DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.640	163	0.267	≤0.4	PASS
2DH5	Ant1	Hop	2.900	108	0.313	≤0.4	PASS
3DH1	Ant1	Hop	0.390	318	0.124	≤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

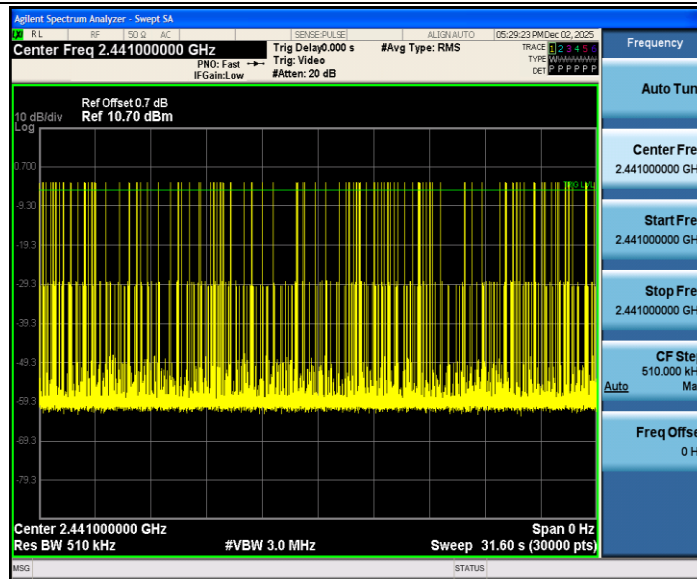


DH3_Ant1_Hop

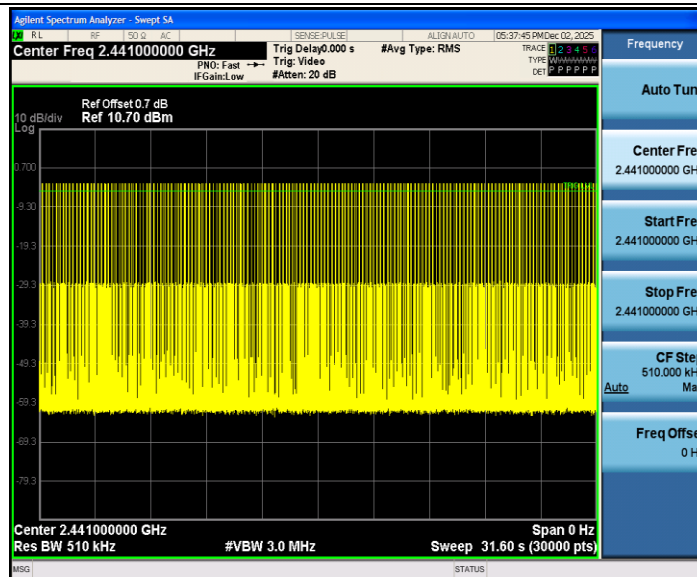
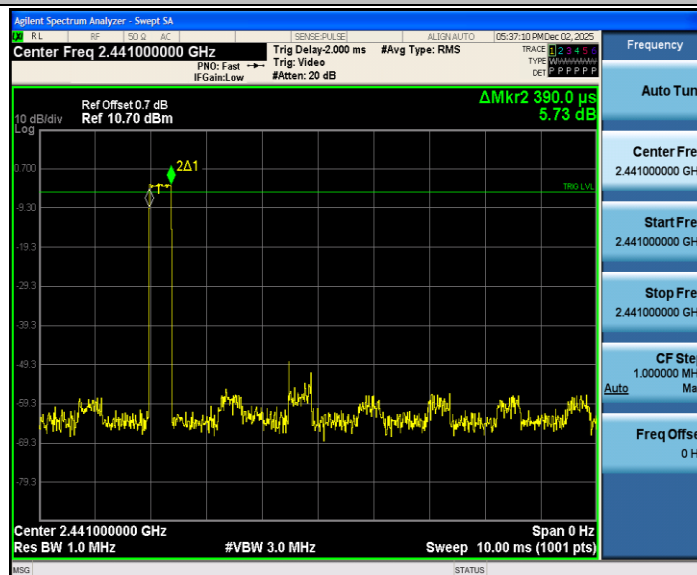


DH5_Ant1_Hop

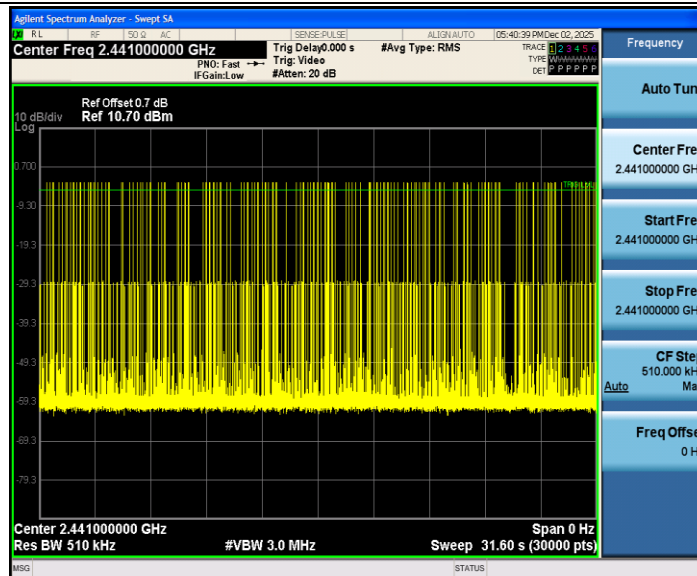




2DH1_Ant1_Hop

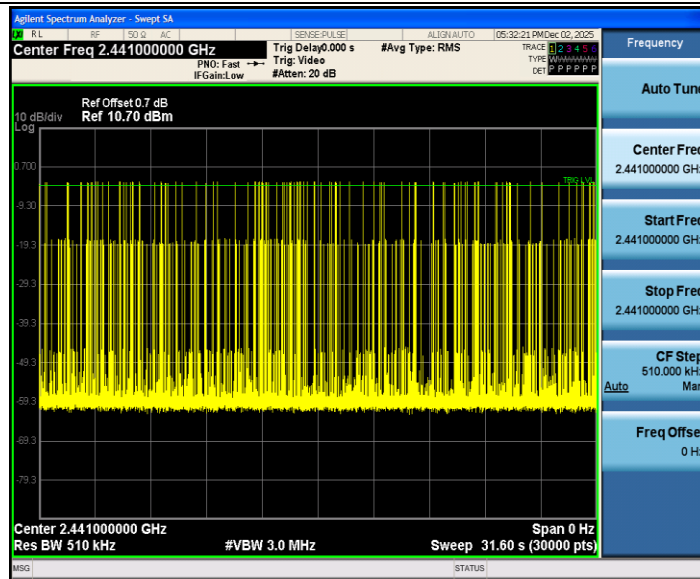


2DH3_Ant1_Hop

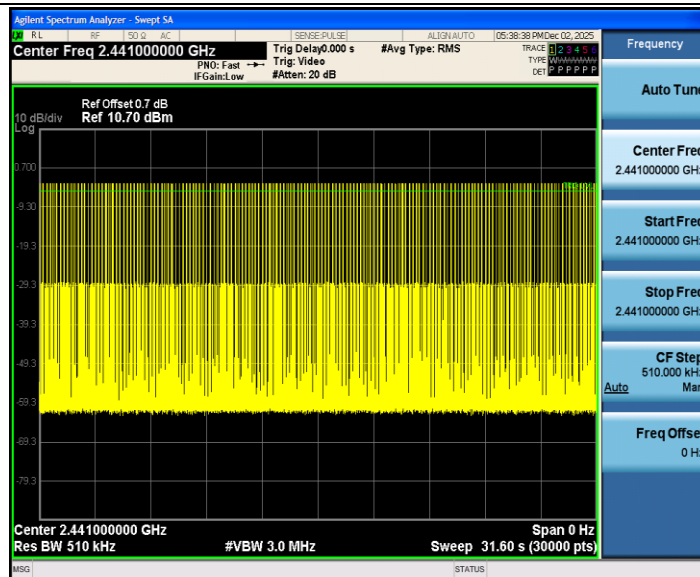
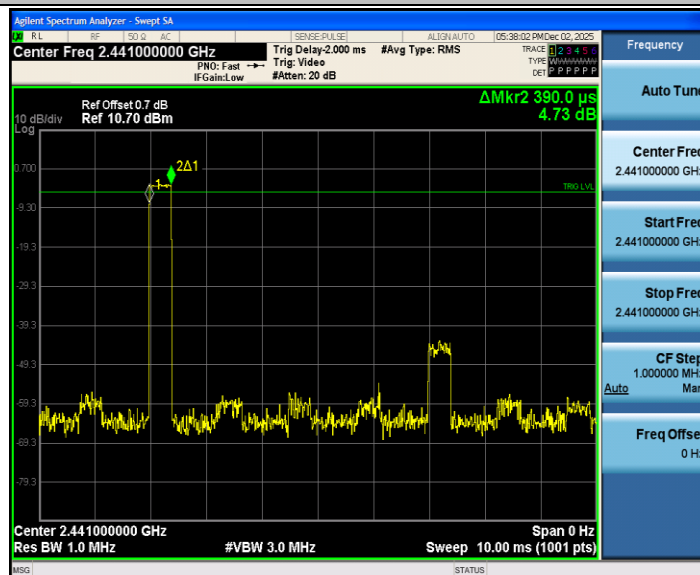


2DH5_Ant1_Hop

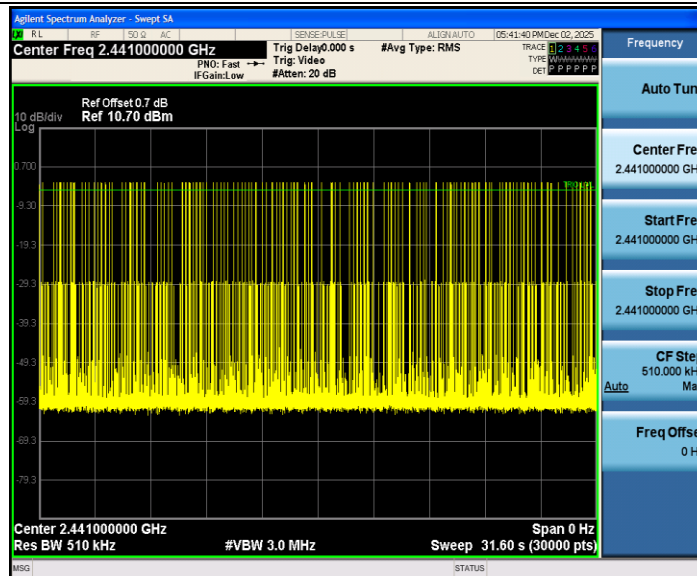




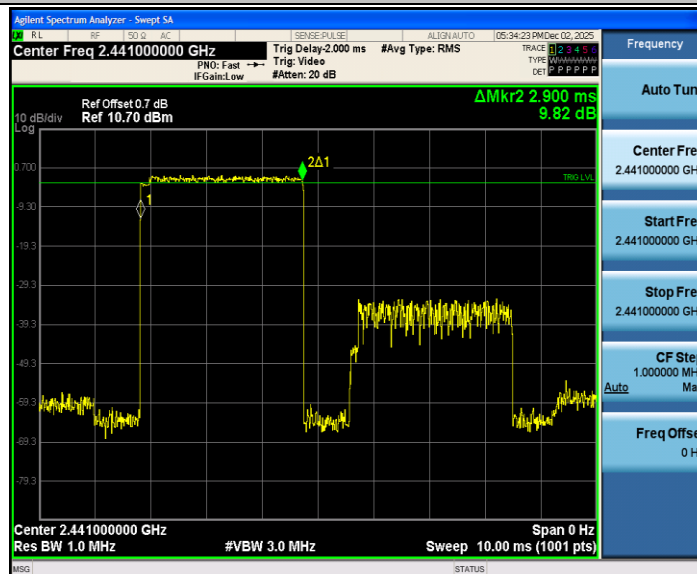
3DH1_Ant1_Hop

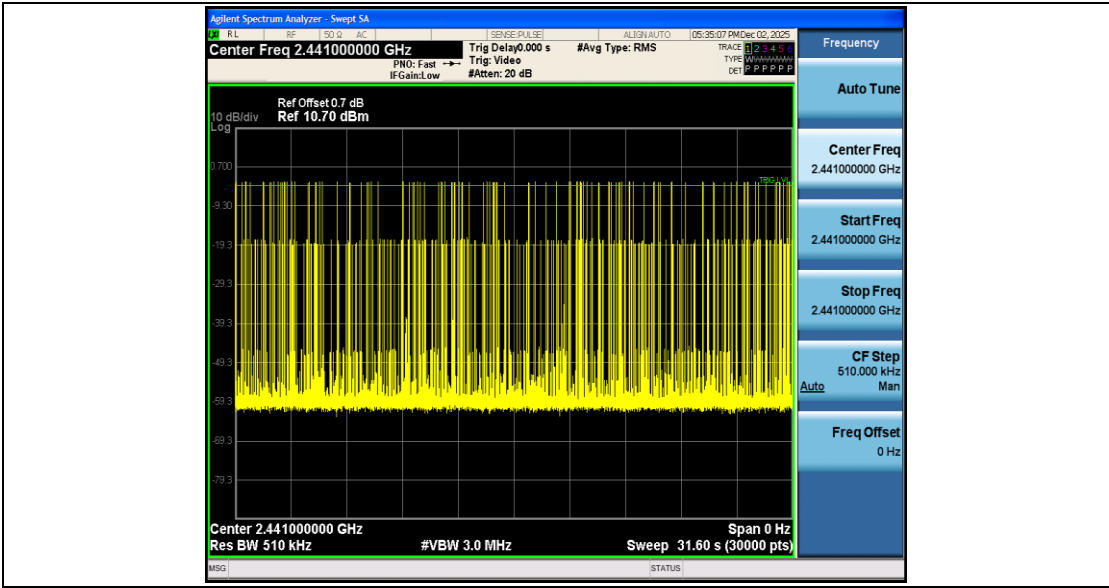


3DH3_Ant1_Hop



3DH5_Ant1_Hop





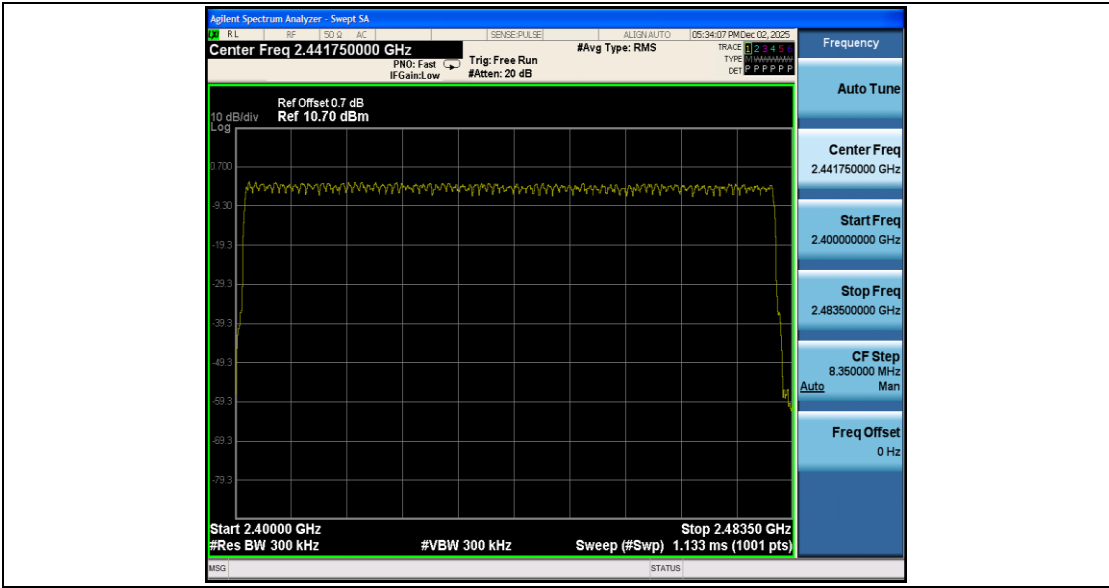
Appendix F: Number of hopping channels

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



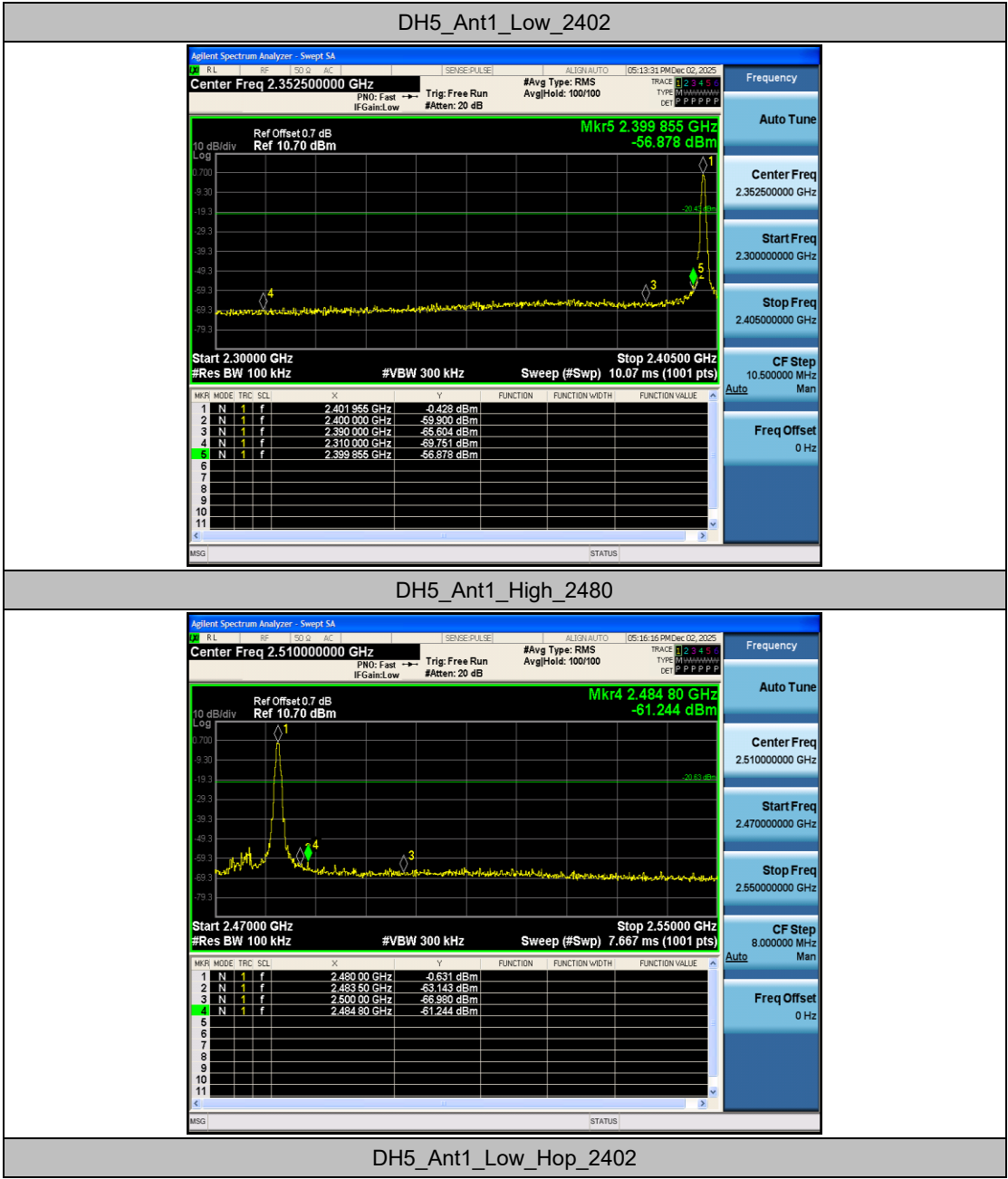


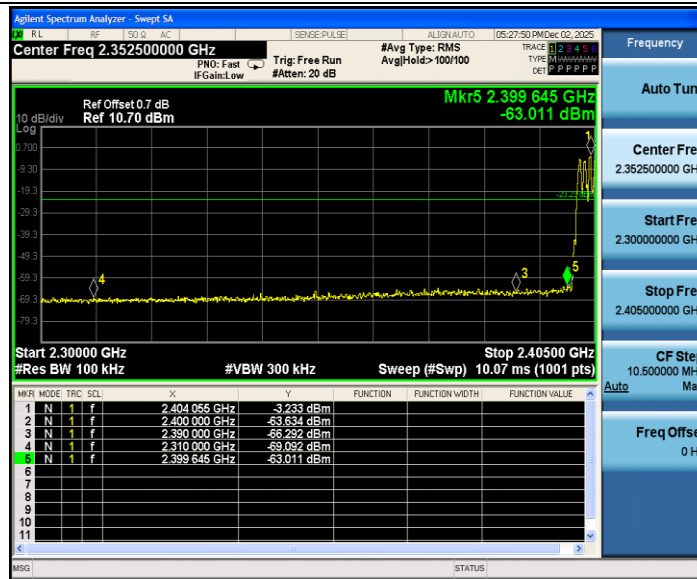
Appendix G: Band edge measurements

Test Result

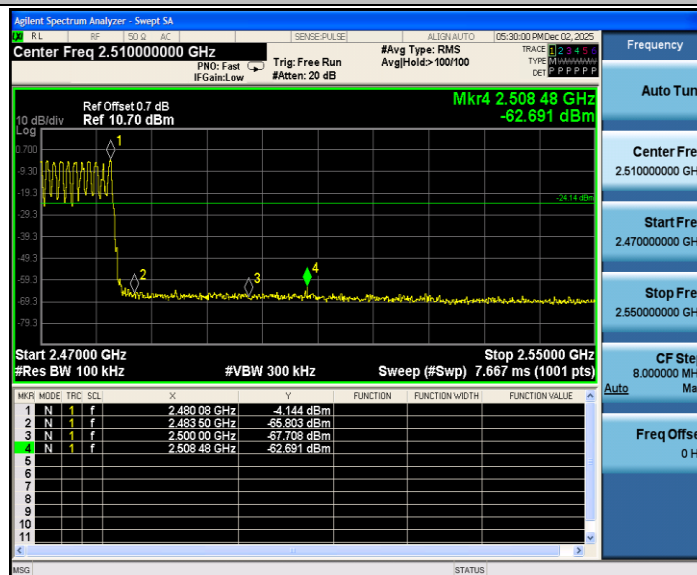
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.43	-56.88	≤-20.43	PASS
		High	2480	-0.63	-61.24	≤-20.63	PASS
		Low	Hop_2402	-3.23	-63.01	≤-23.23	PASS
		High	Hop_2480	-4.14	-62.69	≤-24.14	PASS
2DH5	Ant1	Low	2402	-3.10	-60.85	≤-23.1	PASS
		High	2480	-4.70	-63.27	≤-24.7	PASS
		Low	Hop_2402	-4.27	-62.14	≤-24.27	PASS
		High	Hop_2480	-3.44	-63.6	≤-23.44	PASS
3DH5	Ant1	Low	2402	-3.29	-54.6	≤-23.29	PASS
		High	2480	-3.56	-62.71	≤-23.56	PASS
		Low	Hop_2402	-5.61	-58.25	≤-25.61	PASS
		High	Hop_2480	-3.61	-64.35	≤-23.61	PASS

Test Graphs

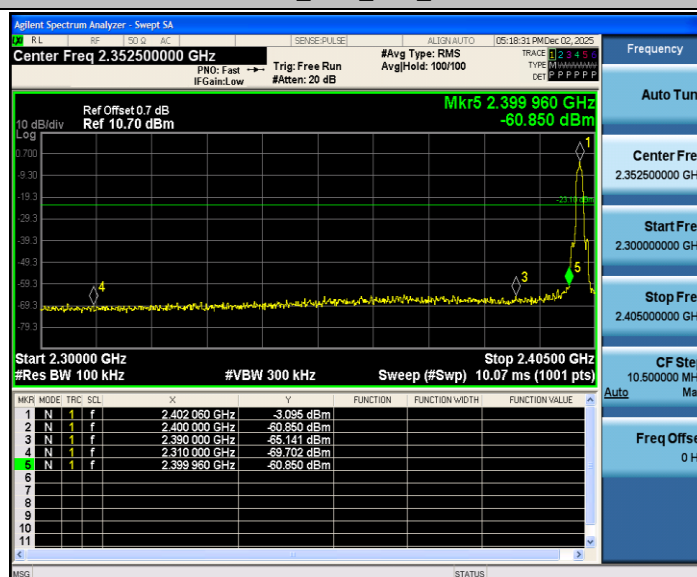




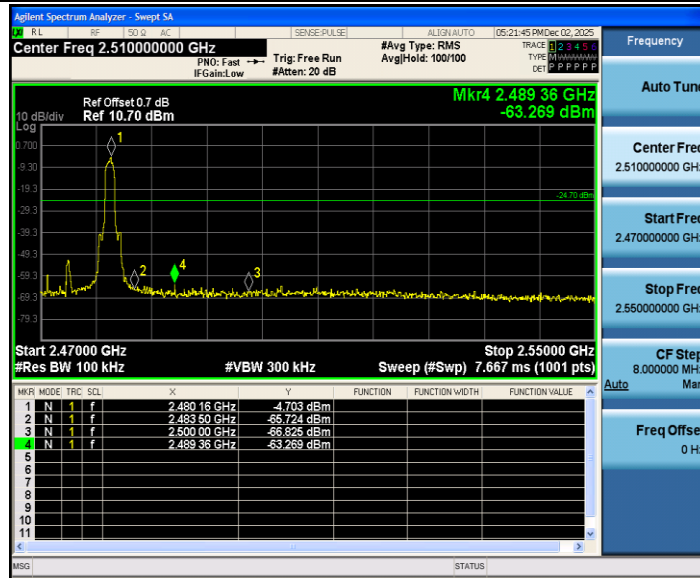
DH5_Ant1_High_Hop_2480



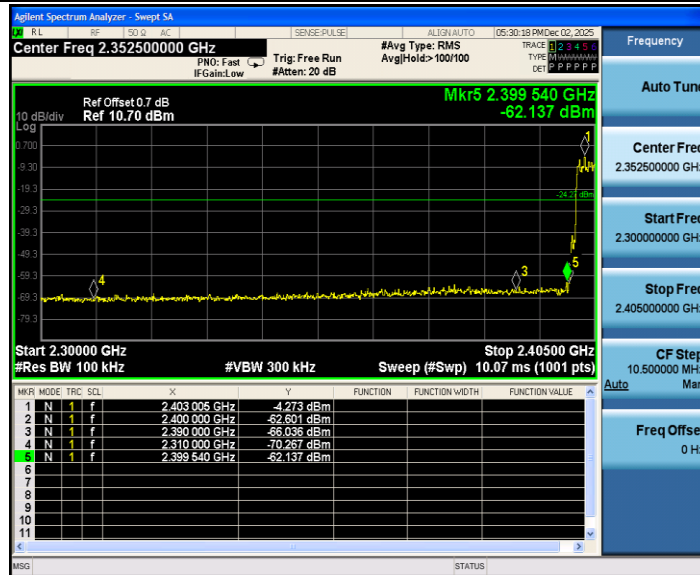
2DH5_Ant1_Low_2402



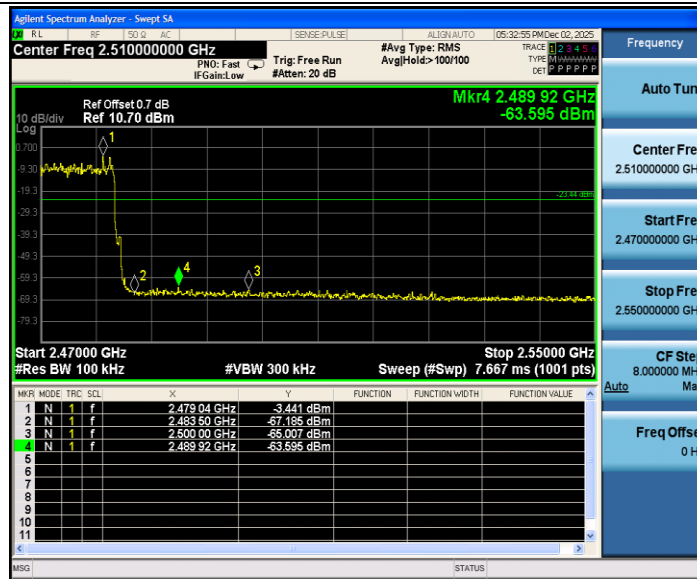
2DH5_Ant1_High_2480



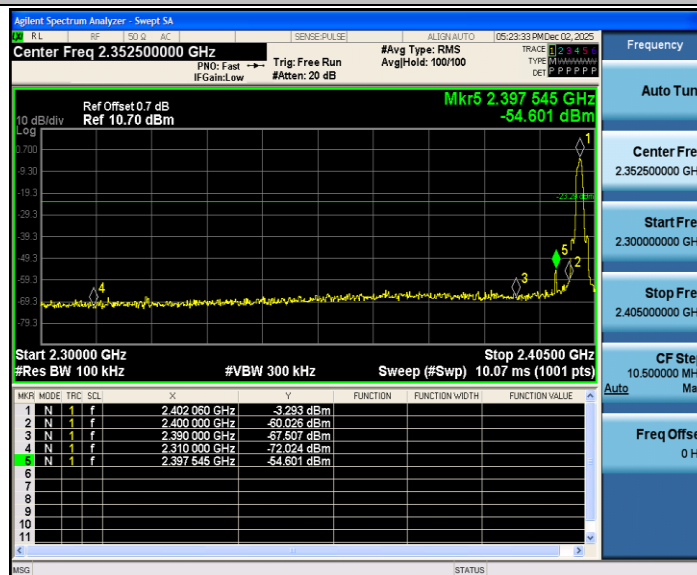
2DH5_Ant1_Low_Hop_2402



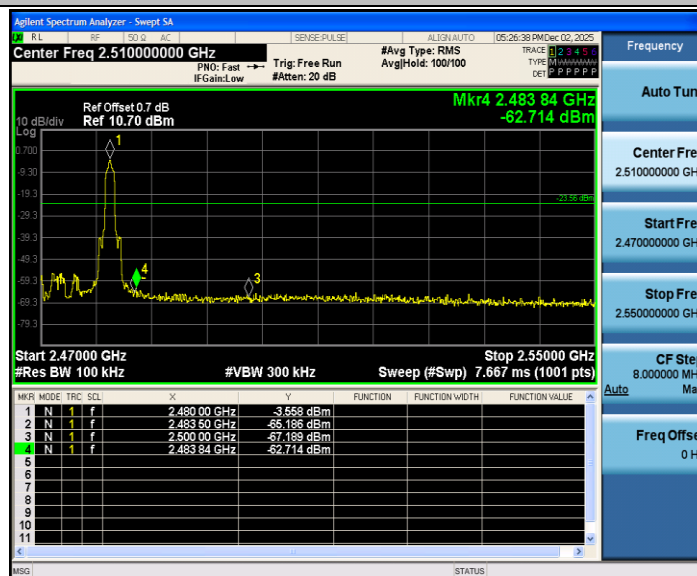
2DH5_Ant1_High_Hop_2480



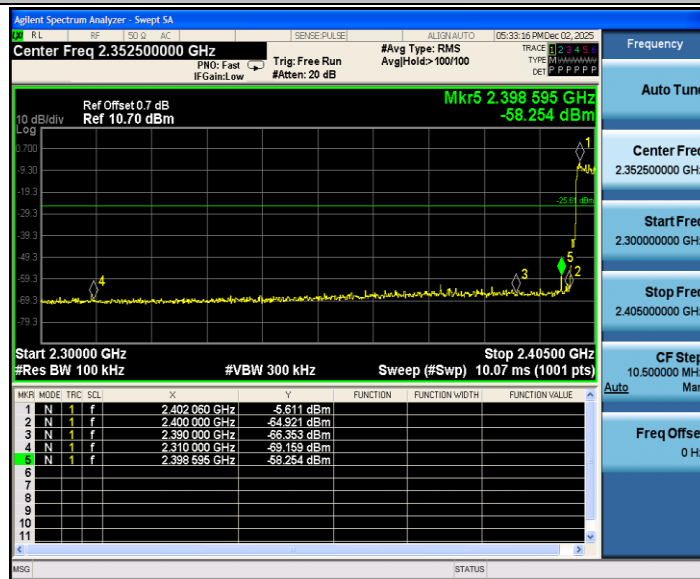
3DH5_Ant1_Low_2402



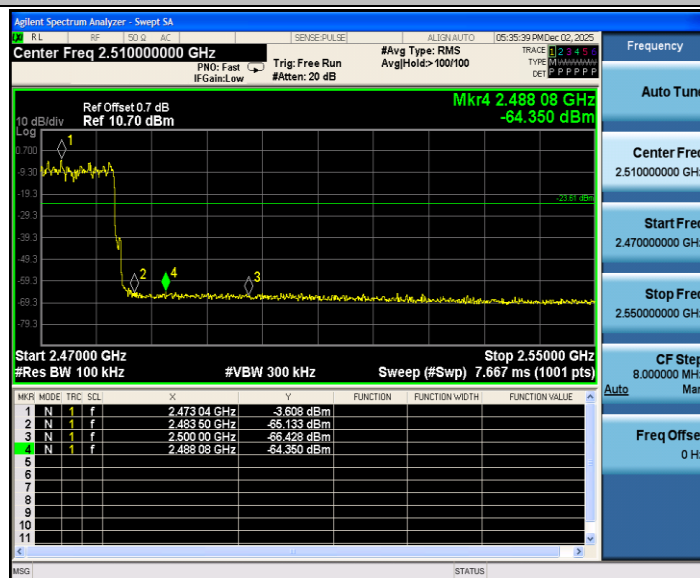
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

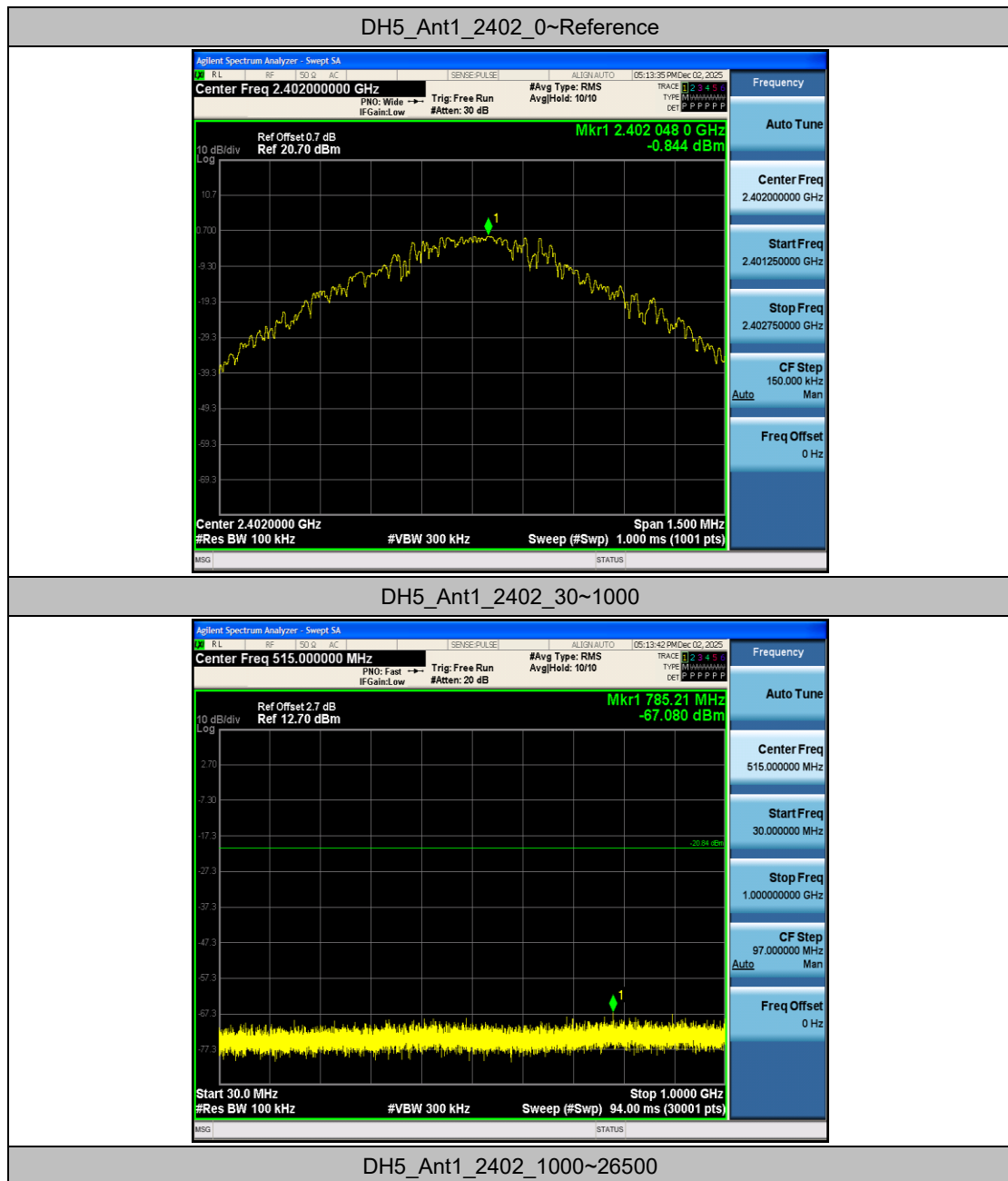


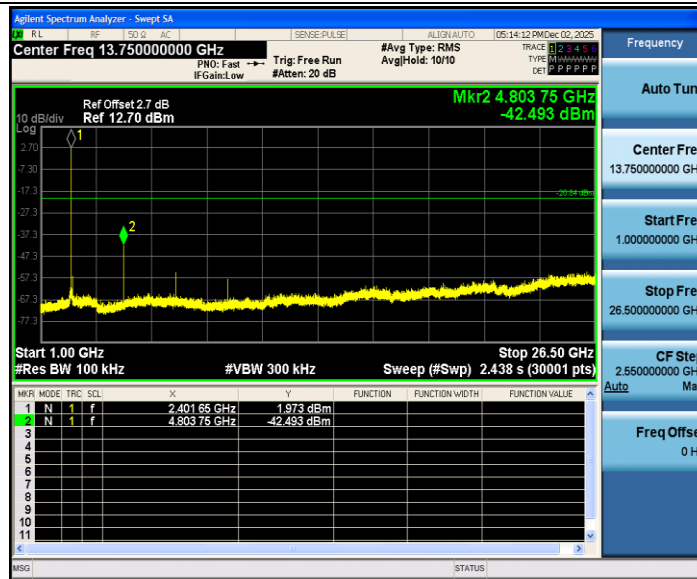
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.84	-0.84	---	PASS
			30~1000	-0.84	-67.08	≤-20.84	PASS
			1000~26500	-0.84	-42.49	≤-20.84	PASS
		2441	Reference	-0.15	-0.15	---	PASS
			30~1000	-0.15	-67.66	≤-20.15	PASS
			1000~26500	-0.15	-43.23	≤-20.15	PASS
		2480	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-67.78	≤-20.49	PASS
			1000~26500	-0.49	-41.03	≤-20.49	PASS
2DH5	Ant1	2402	Reference	-4.81	-4.81	---	PASS
			30~1000	-4.81	-67.68	≤-24.81	PASS
			1000~26500	-4.81	-48.92	≤-24.81	PASS
		2441	Reference	-6.53	-6.53	---	PASS
			30~1000	-6.53	-67.29	≤-26.53	PASS
			1000~26500	-6.53	-49.15	≤-26.53	PASS
		2480	Reference	-5.78	-5.78	---	PASS
			30~1000	-5.78	-61.46	≤-25.78	PASS
			1000~26500	-5.78	-47.43	≤-25.78	PASS
3DH5	Ant1	2402	Reference	-6.28	-6.28	---	PASS
			30~1000	-6.28	-67.72	≤-26.28	PASS
			1000~26500	-6.28	-48.18	≤-26.28	PASS
		2441	Reference	-4.51	-4.51	---	PASS
			30~1000	-4.51	-66.29	≤-24.51	PASS
			1000~26500	-4.51	-49.48	≤-24.51	PASS
		2480	Reference	-3.55	-3.55	---	PASS
			30~1000	-3.55	-65.6	≤-23.55	PASS
			1000~26500	-3.55	-48.34	≤-23.55	PASS

Test Graphs

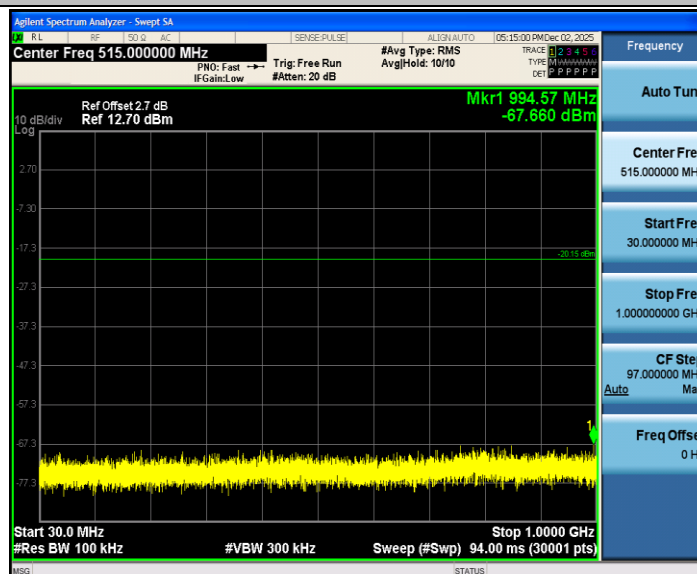




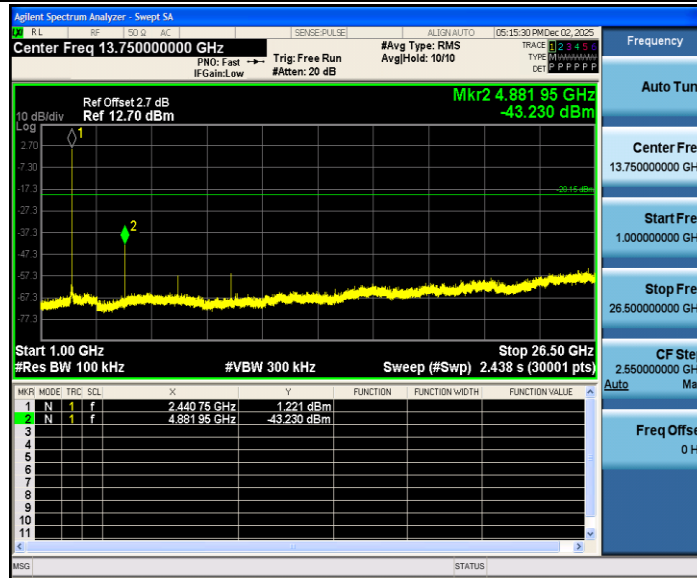
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



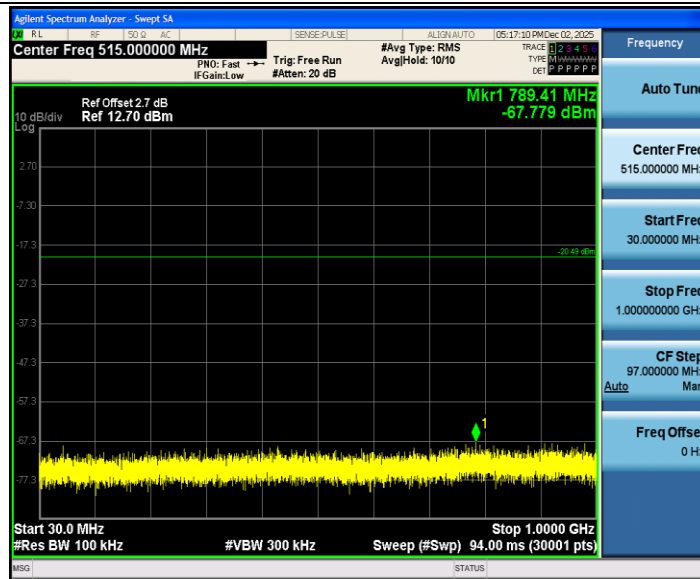
DH5_Ant1_2441_1000~26500



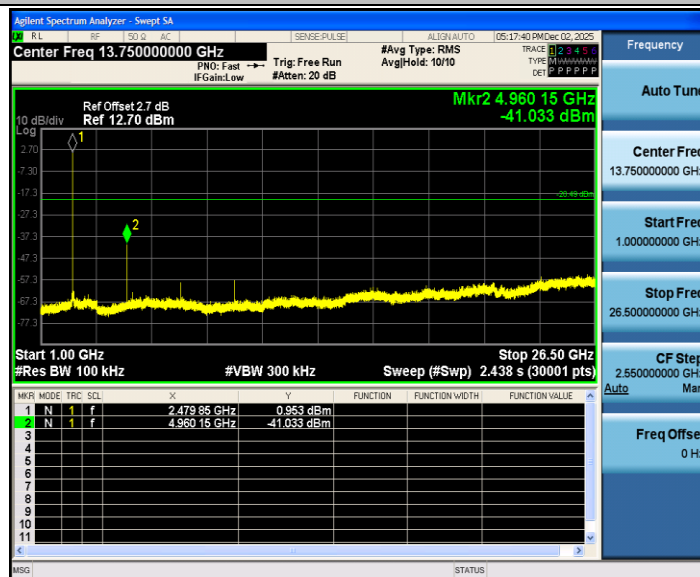
DH5_Ant1_2480_0~Reference



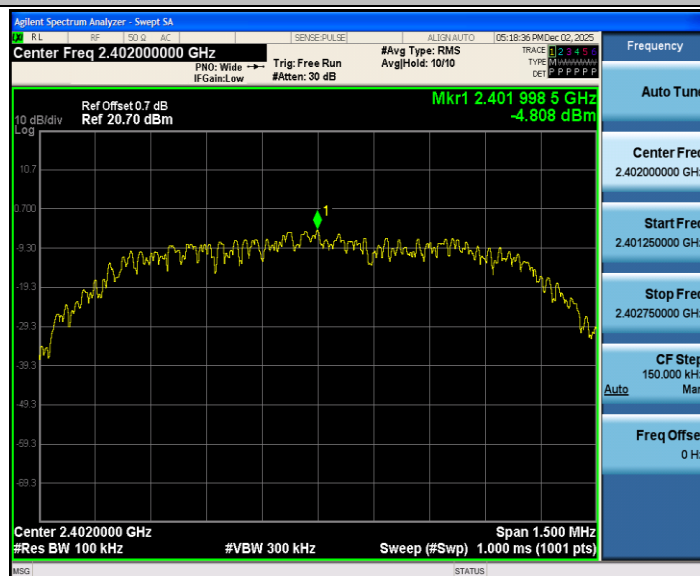
DH5_Ant1_2480_30~1000



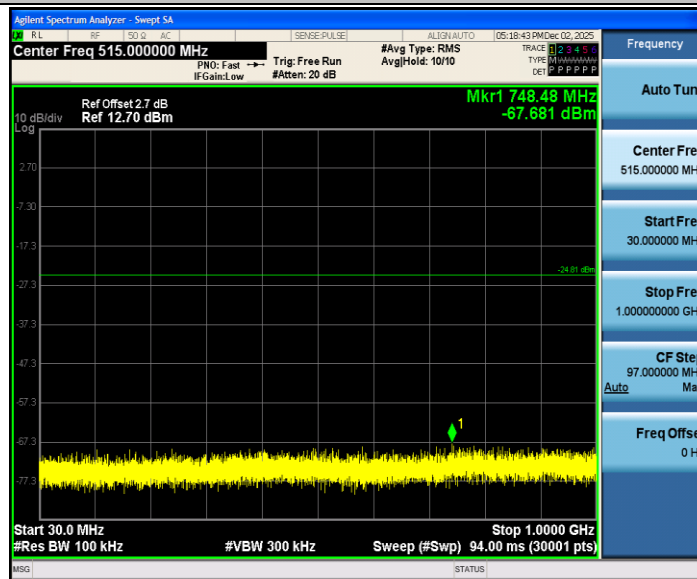
DH5_Ant1_2480_1000~26500



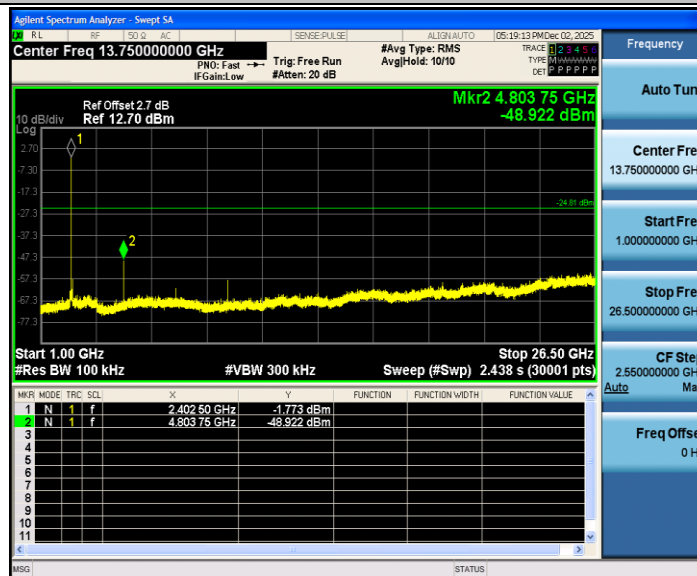
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference