

FCC Appendix RF Test Data

FCC ID : 2BPTB-CTAB12

Company: : LEON TRADE(H.K.)CO.,LIMITED.

EUT : 11.97 inch Tablet

Model Number : Ctab 12

Report No. : CTA25050803002

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	0.948	2401.547	2402.495	---	---
		2441	0.957	2440.547	2441.504	---	---
		2480	0.951	2479.547	2480.498	---	---
2DH5	Ant1	2402	1.278	2401.382	2402.660	---	---
		2441	1.326	2440.346	2441.672	---	---
		2480	1.281	2479.379	2480.660	---	---
3DH5	Ant1	2402	1.296	2401.358	2402.654	---	---
		2441	1.302	2440.361	2441.663	---	---
		2480	1.341	2479.343	2480.684	---	---

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

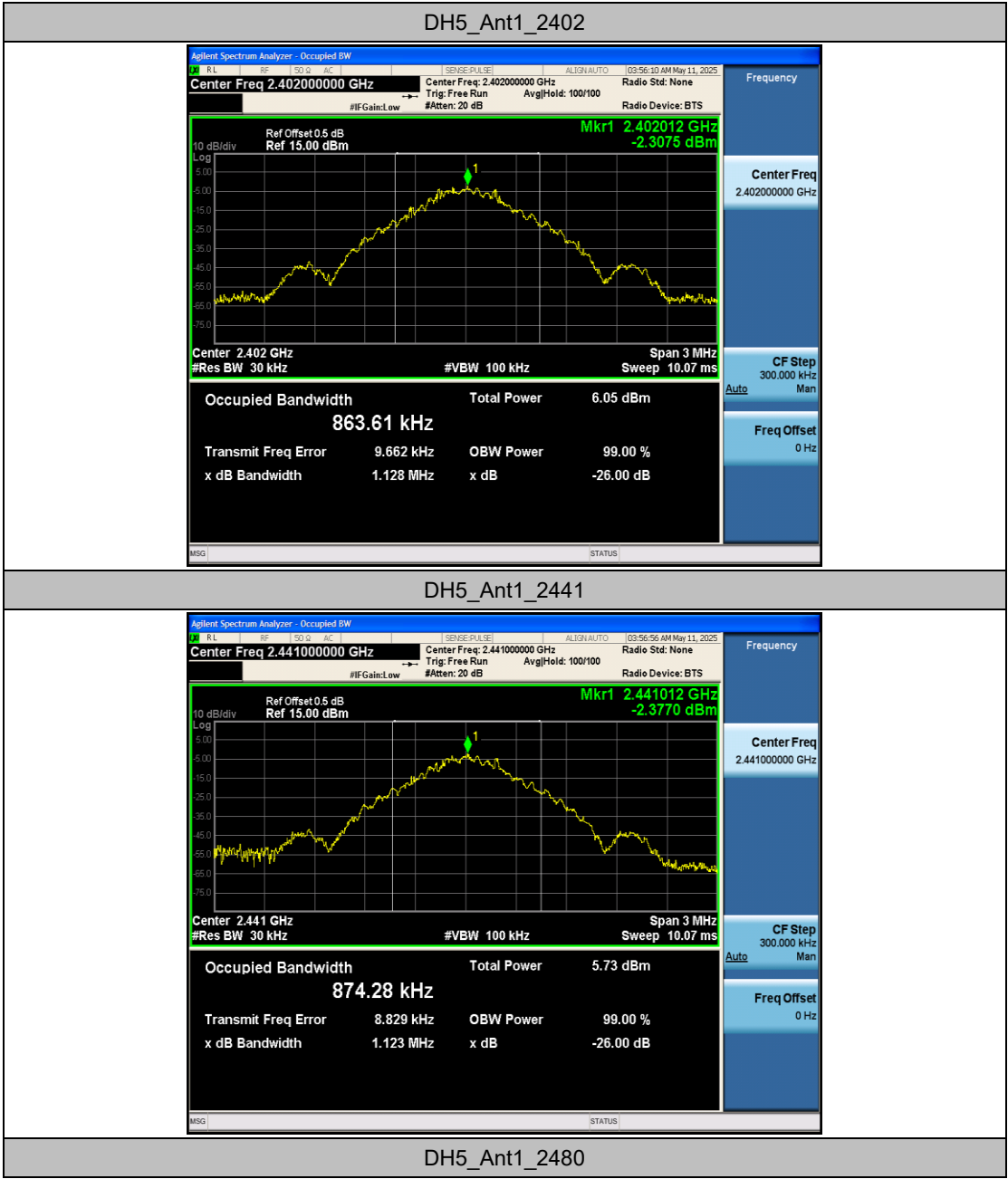


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86361	2401.5779	2402.4415	---	---
		2441	0.87428	2440.5717	2441.4460	---	---
		2480	0.86585	2479.5751	2480.4409	---	---
2DH5	Ant1	2402	1.1861	2401.4167	2402.6028	---	---
		2441	1.1880	2440.4166	2441.6046	---	---
		2480	1.1914	2479.4152	2480.6066	---	---
3DH5	Ant1	2402	1.1879	2401.4167	2402.6046	---	---
		2441	1.1811	2440.4197	2441.6008	---	---
		2480	1.1875	2479.4168	2480.6043	---	---

Test Graphs

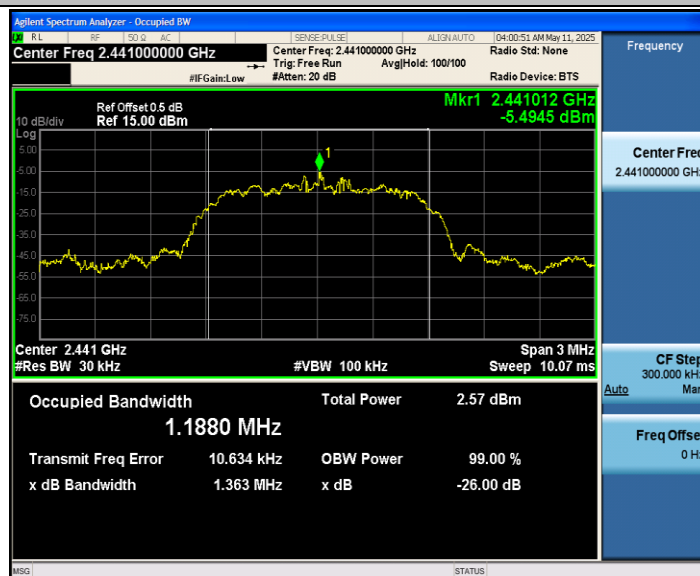




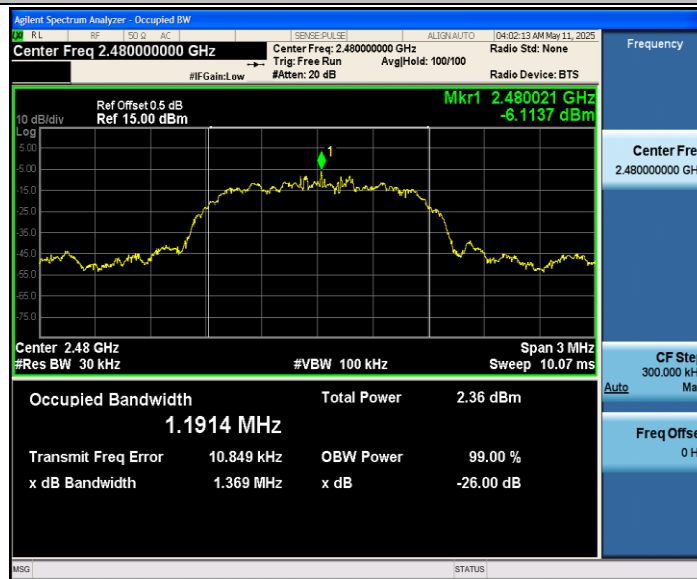
2DH5_Ant1_2402



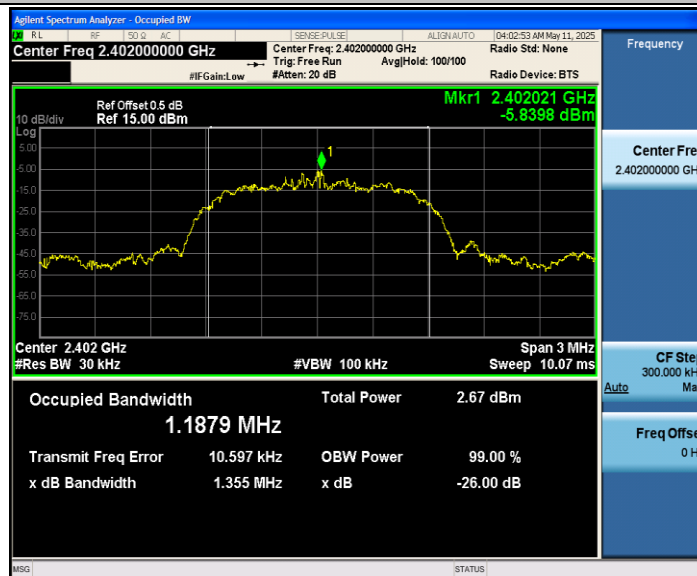
2DH5_Ant1_2441



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	0.03	≤20.97	PASS
		2441	-0.06	≤20.97	PASS
		2480	-0.20	≤20.97	PASS
2DH5	Ant1	2402	-0.77	≤20.97	PASS
		2441	-0.96	≤20.97	PASS
		2480	-1.00	≤20.97	PASS
3DH5	Ant1	2402	-0.39	≤20.97	PASS
		2441	-0.58	≤20.97	PASS
		2480	-0.58	≤20.97	PASS

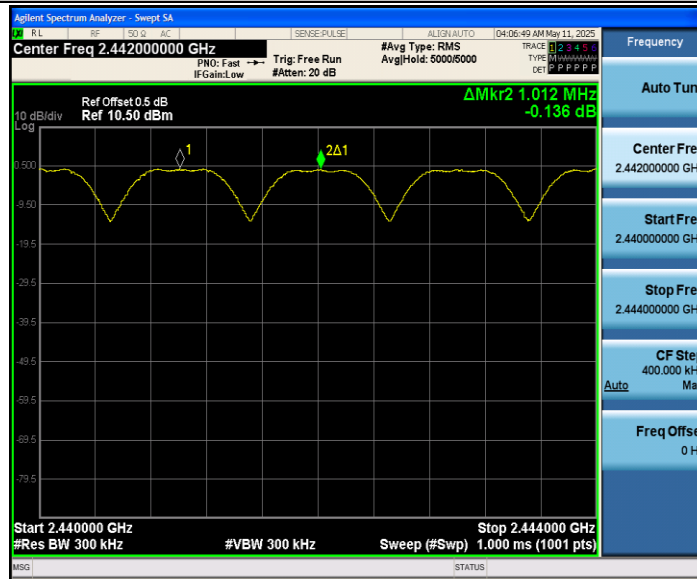
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥ 0.957	PASS
2DH5	Ant1	Hop	1.18	≥ 0.884	PASS
3DH5	Ant1	Hop	1.224	≥ 0.894	PASS

Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

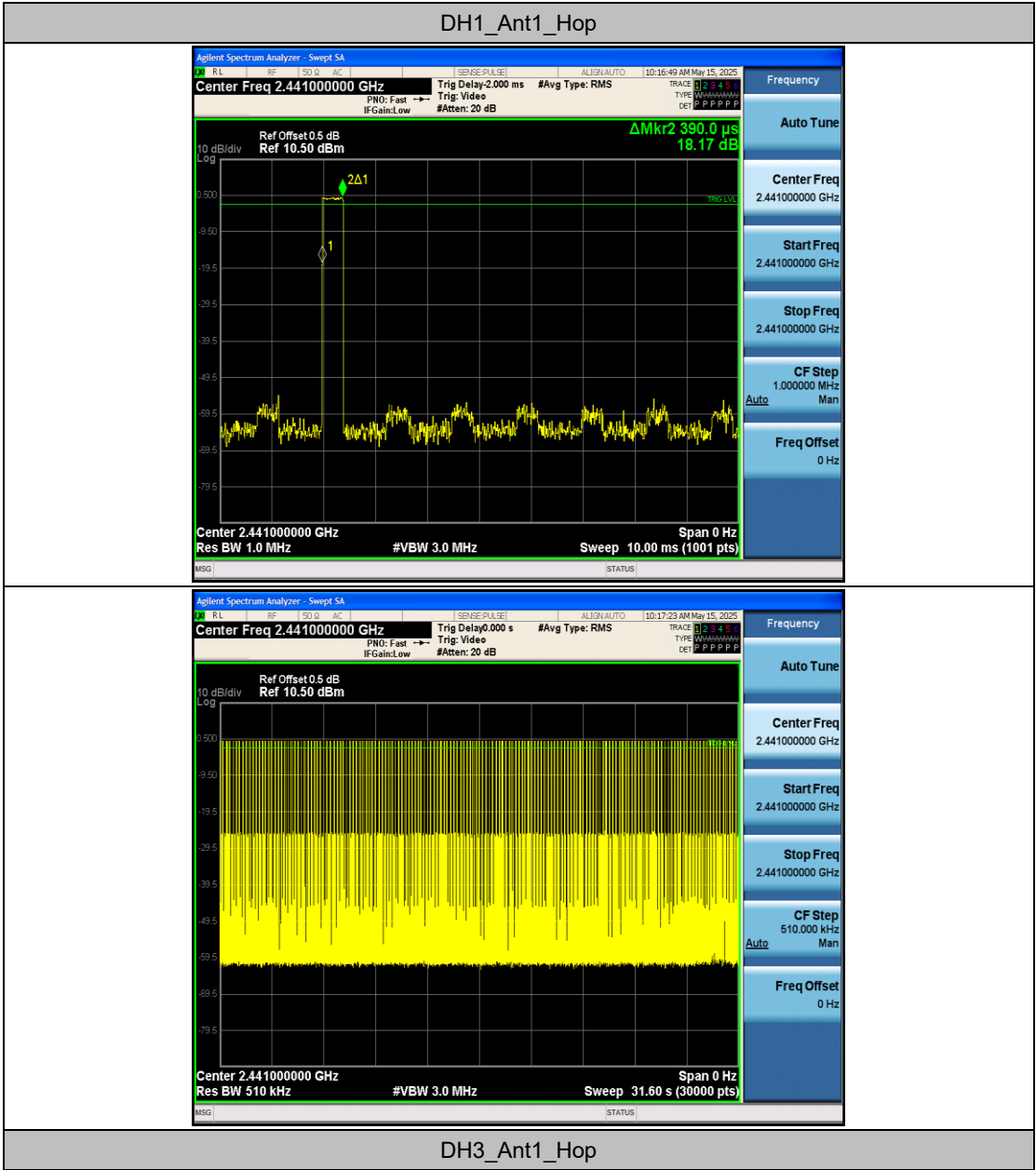


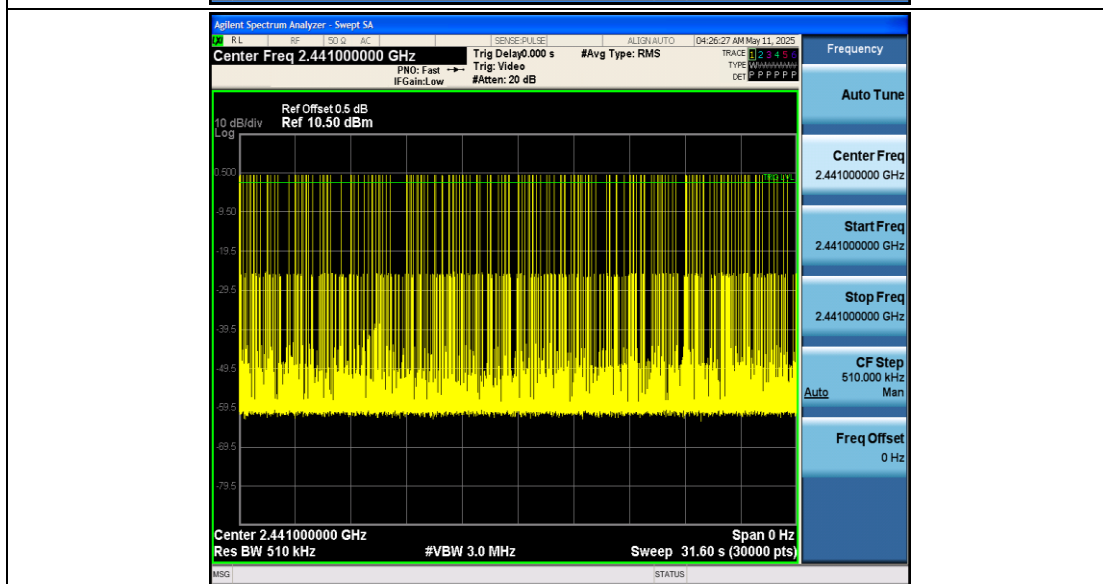
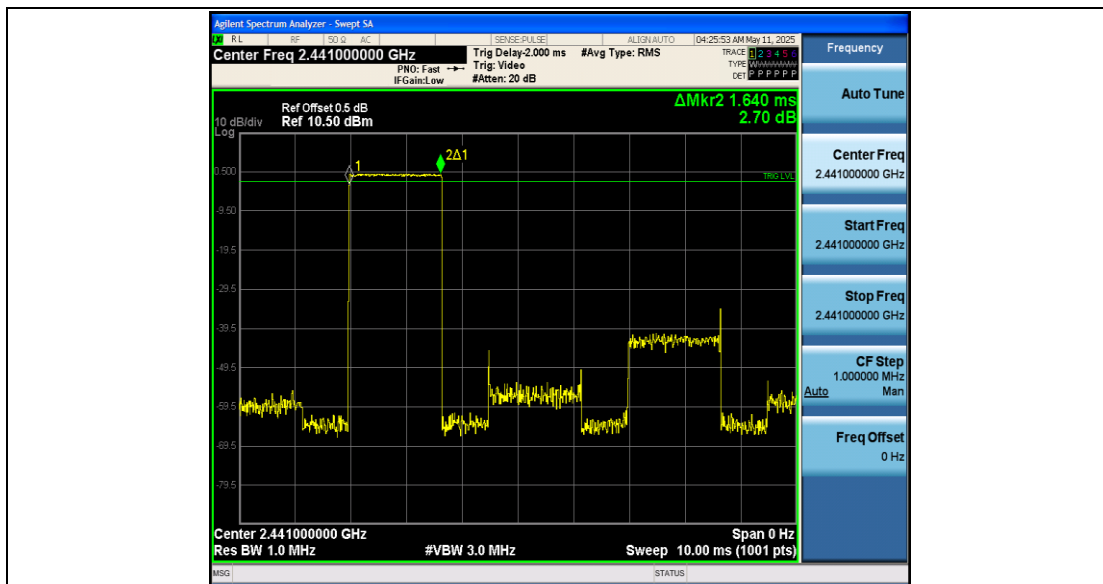
Appendix E: Time of occupancy

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	1.640	169	0.277	≤0.4	PASS
DH5	Ant1	Hop	2.890	101	0.292	≤0.4	PASS
2DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.650	163	0.269	≤0.4	PASS
2DH5	Ant1	Hop	2.900	120	0.348	≤0.4	PASS
3DH1	Ant1	Hop	0.400	319	0.128	≤0.4	PASS
3DH3	Ant1	Hop	1.650	153	0.252	≤0.4	PASS
3DH5	Ant1	Hop	2.900	116	0.336	≤0.4	PASS

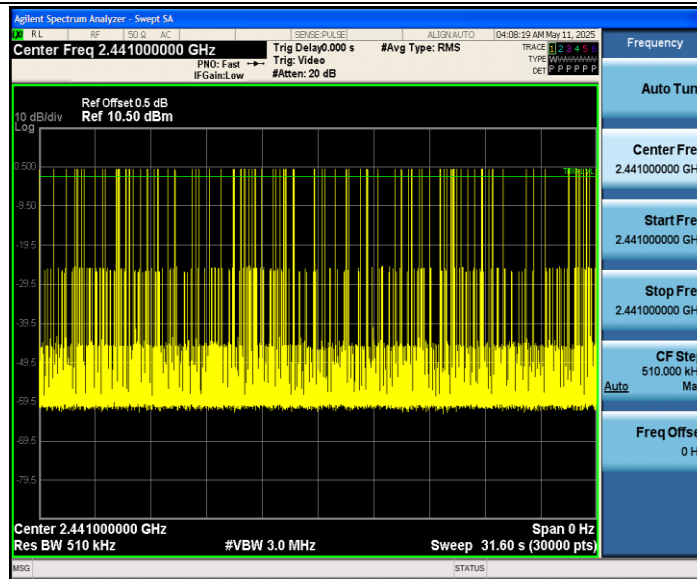
Test Graphs



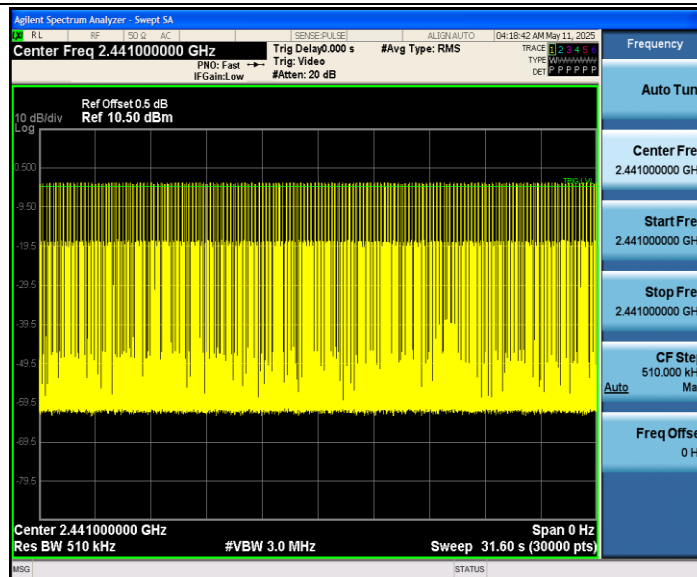
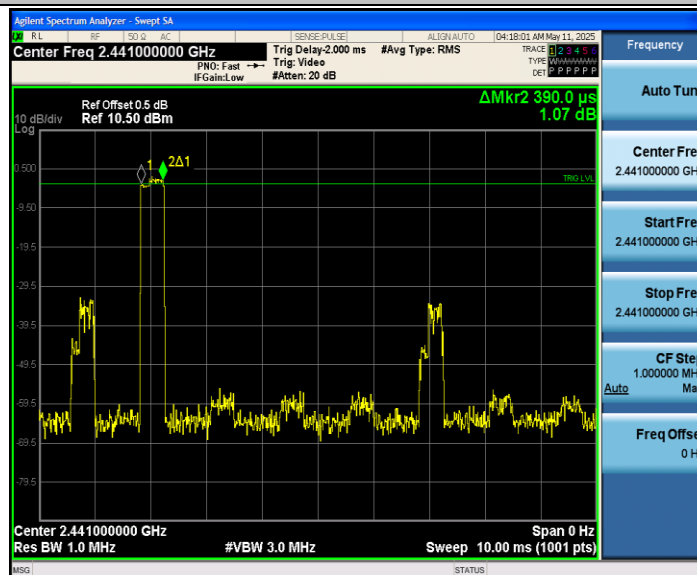


DH5_Ant1_Hop

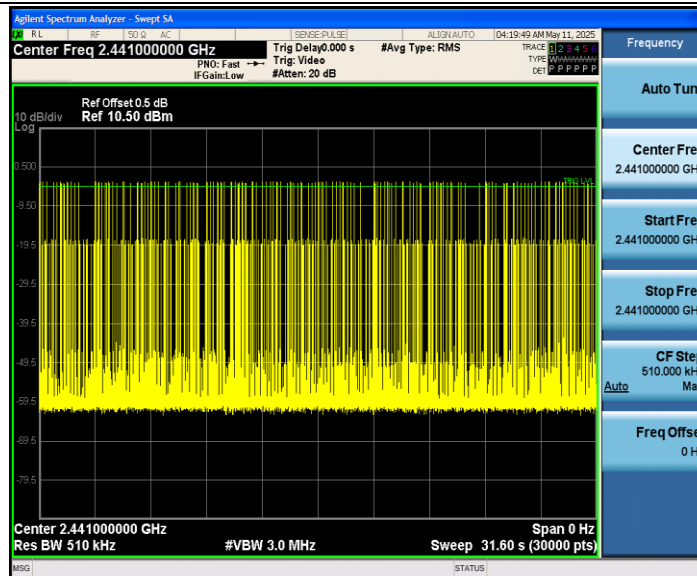




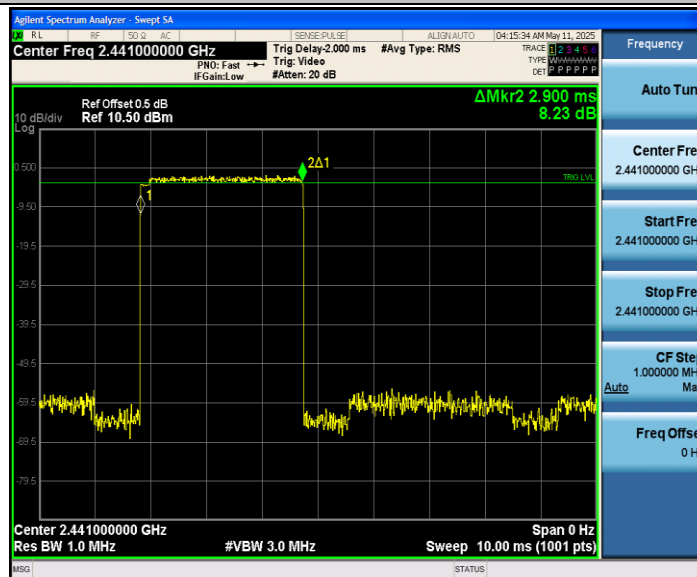
2DH1_Ant1_Hop

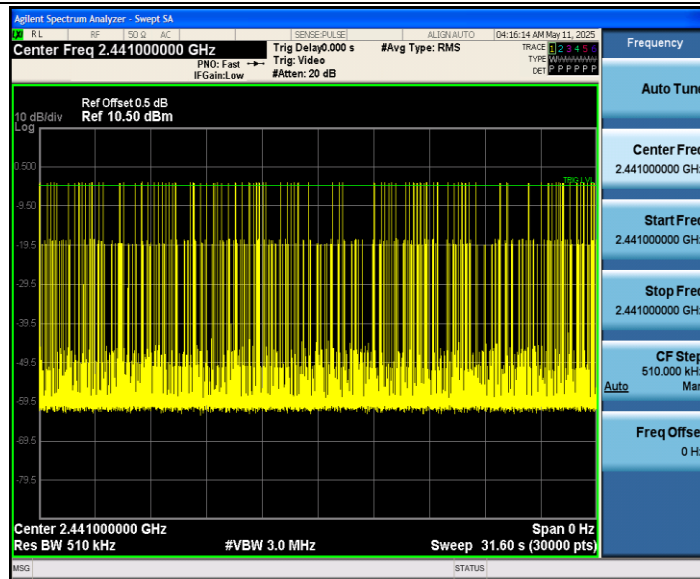


2DH3_Ant1_Hop

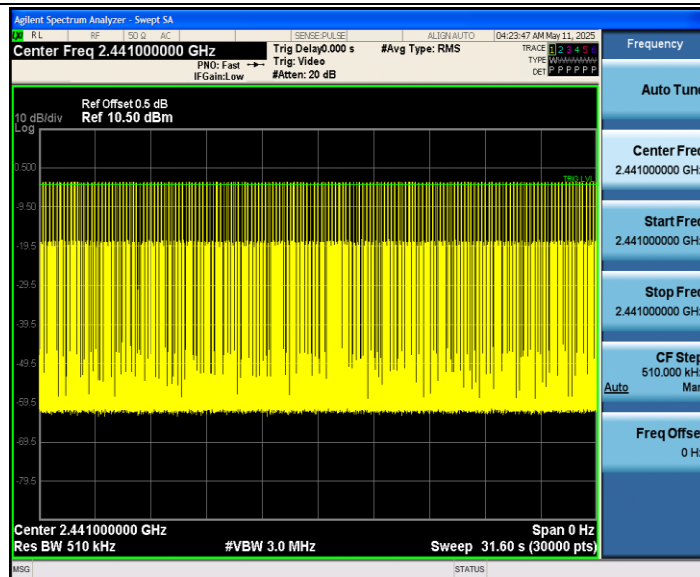


2DH5_Ant1_Hop

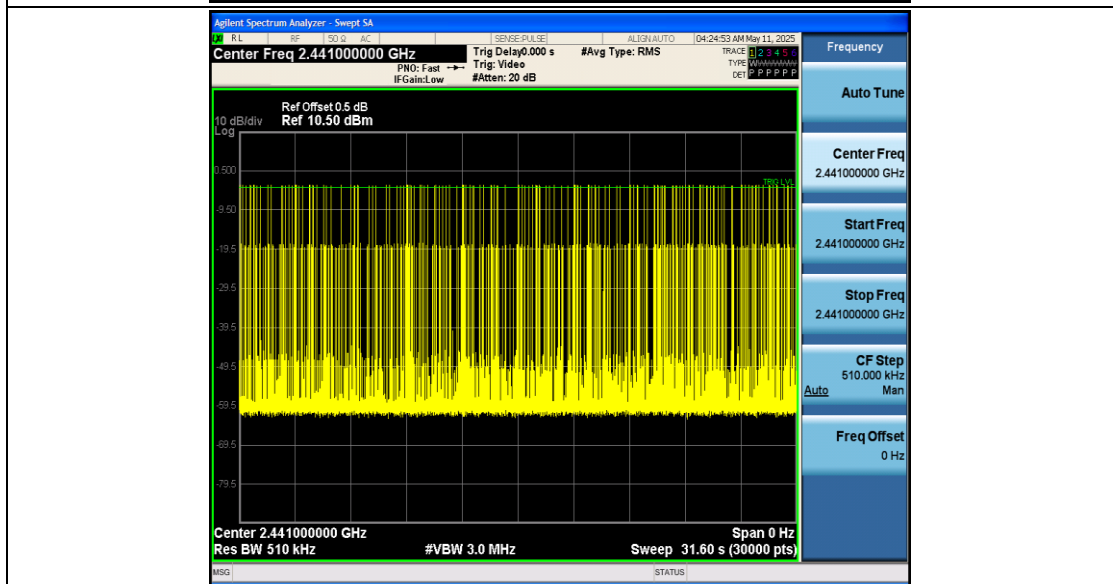
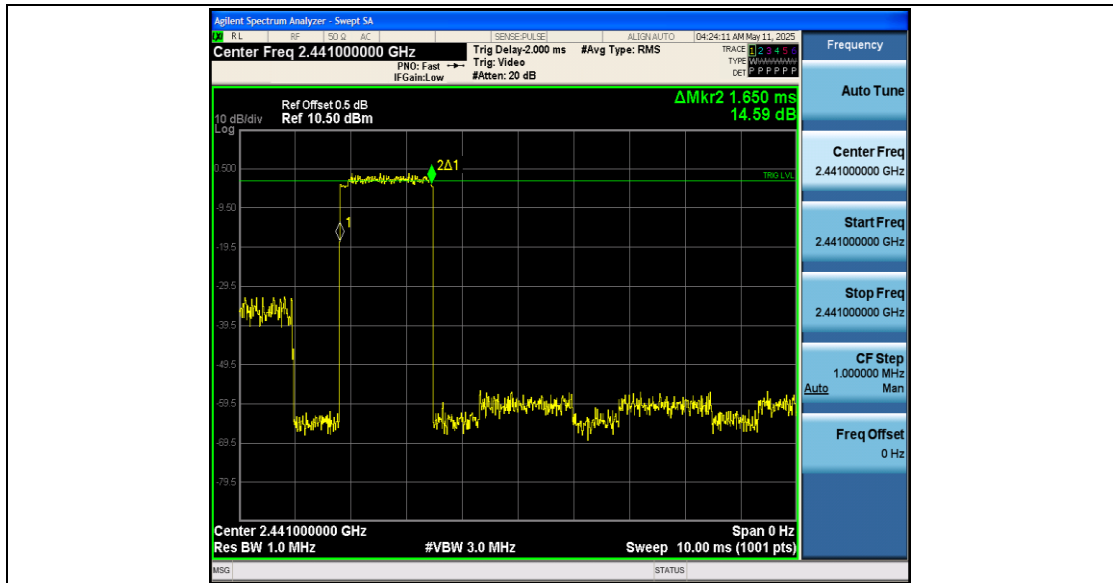




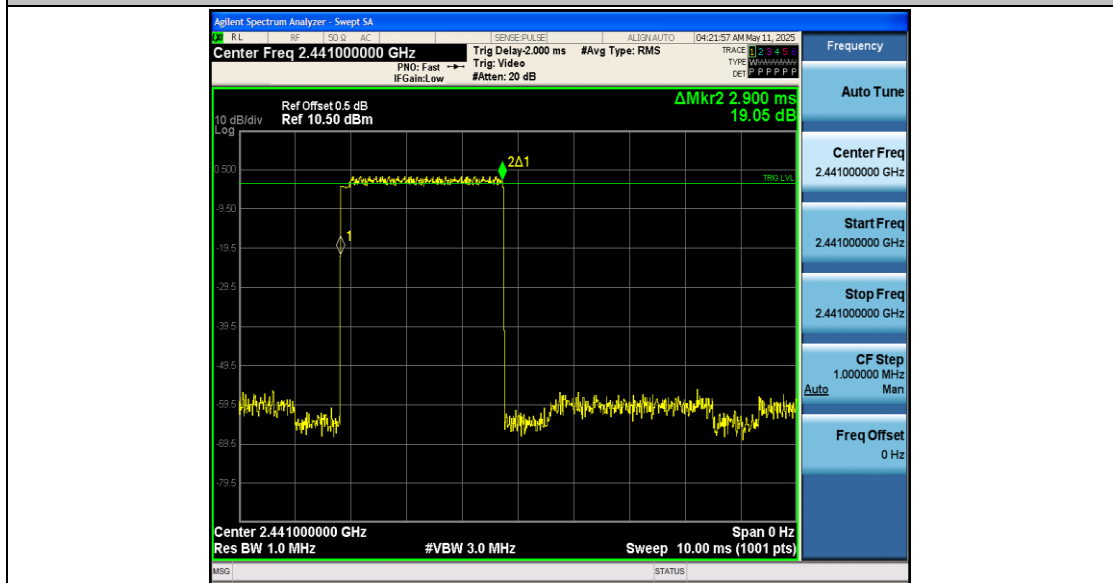
3DH1_Ant1_Hop

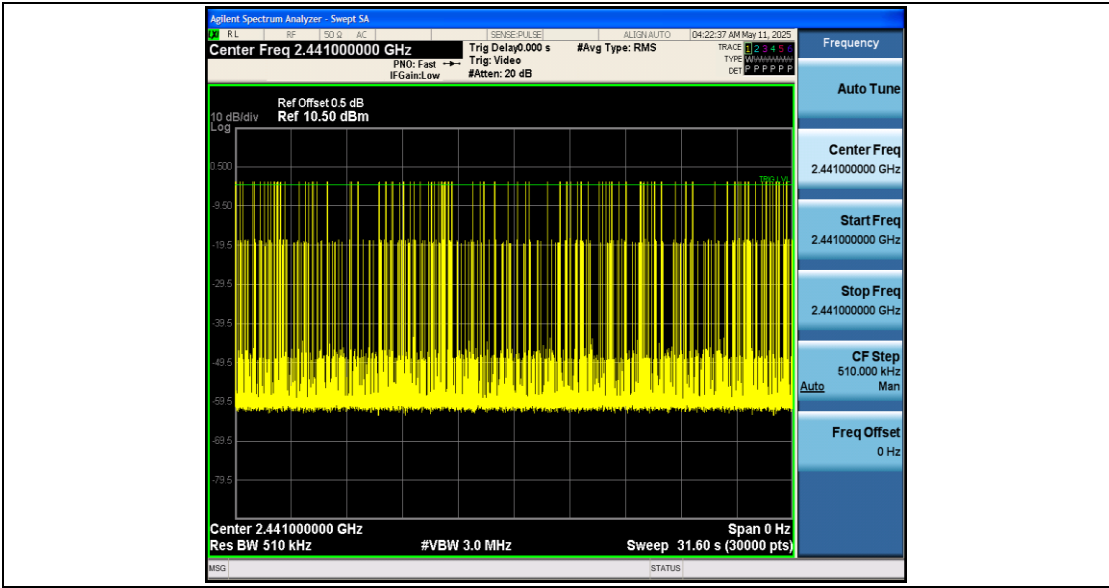


3DH3_Ant1_Hop



3DH5_Ant1_Hop



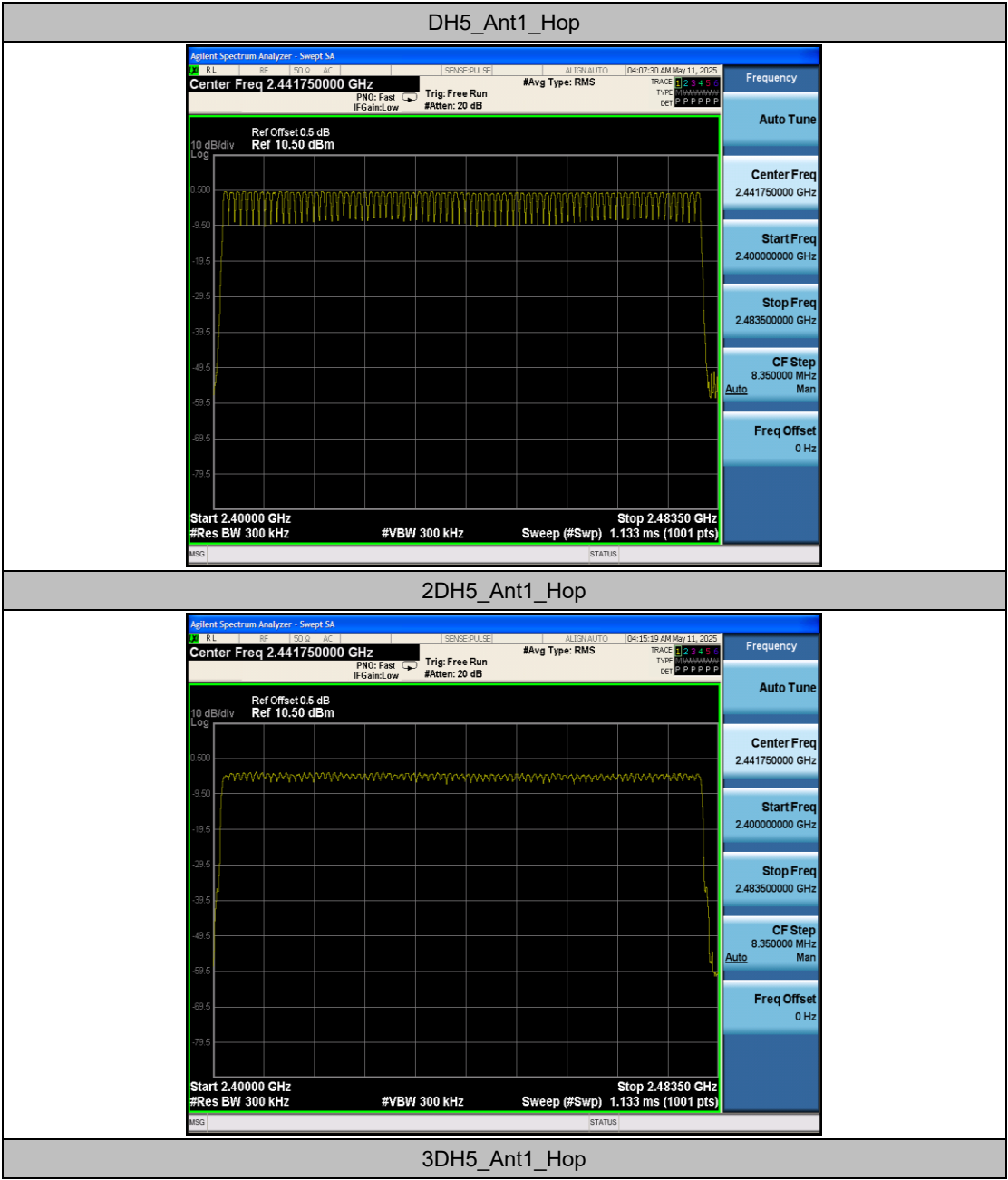


Appendix F: Number of hopping channels

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



2DH5_Ant1_Hop

Agilent Spectrum Analyzer - Swept SA

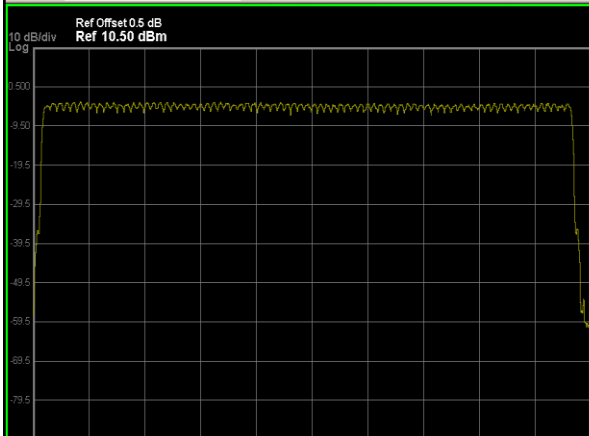
Center Freq 2.441750000 GHz

Ref Offset 0.5 dB
Ref 10.50 dBm

Start 2.400000 GHz
#Res BW 300 kHz

Stop 2.48350 GHz
#VBW 300 kHz
Sweep (#Swp) 1.133 ms (1001 pts)

10 dB/div
Log



Start 2.400000 GHz
#Res BW 300 kHz

Stop 2.48350 GHz
#VBW 300 kHz
Sweep (#Swp) 1.133 ms (1001 pts)

Frequency

Auto Tune

Center Freq
2.441750000 GHz

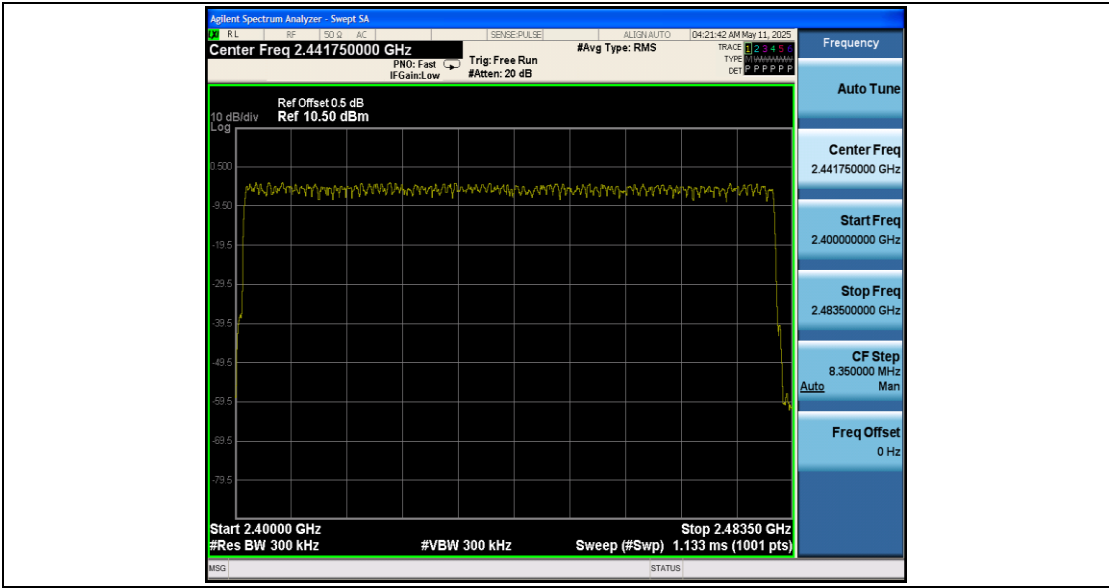
Start Freq
2.400000000 GHz

Stop Freq
2.483500000 GHz

CF Step
8.350000 MHz
Auto

Freq Offset
0 Hz

3DH5_Ant1_Hop



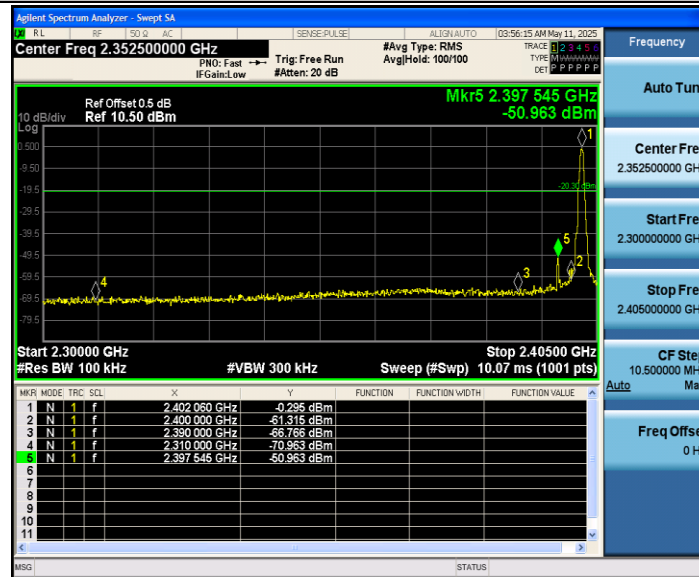
Appendix G: Band edge measurements

Test Result

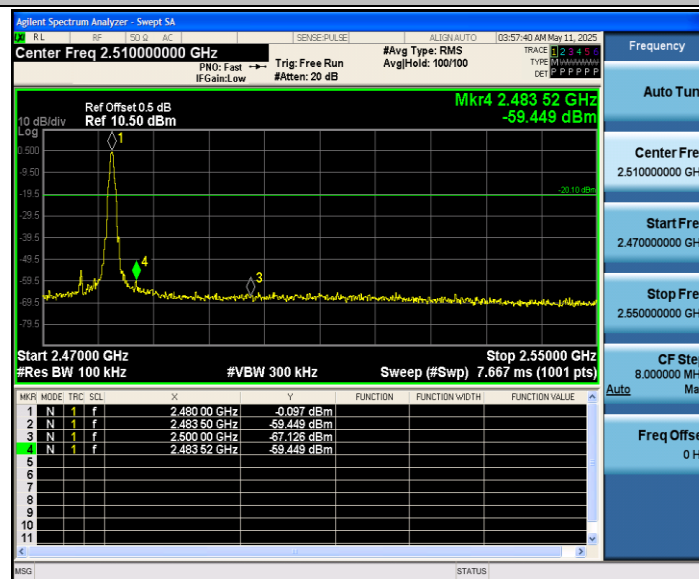
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.30	-50.96	≤-20.3	PASS
		High	2480	-0.10	-59.45	≤-20.1	PASS
		Low	Hop_2402	-1.07	-57.52	≤-21.07	PASS
		High	Hop_2480	-0.13	-58.44	≤-20.13	PASS
2DH5	Ant1	Low	2402	-3.37	-61.56	≤-23.37	PASS
		High	2480	-5.19	-62.15	≤-25.19	PASS
		Low	Hop_2402	-3.83	-63.98	≤-23.83	PASS
		High	Hop_2480	-4.87	-64.26	≤-24.87	PASS
3DH5	Ant1	Low	2402	-4.93	-55.74	≤-24.93	PASS
		High	2480	-4.91	-64.09	≤-24.91	PASS
		Low	Hop_2402	-6.21	-62.98	≤-26.21	PASS
		High	Hop_2480	-3.81	-64.09	≤-23.81	PASS

Test Graphs

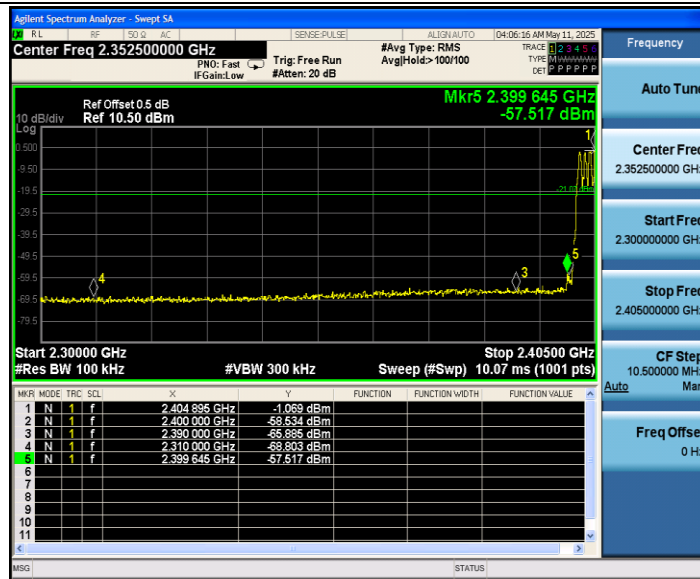
DH5_Ant1_Low_2402



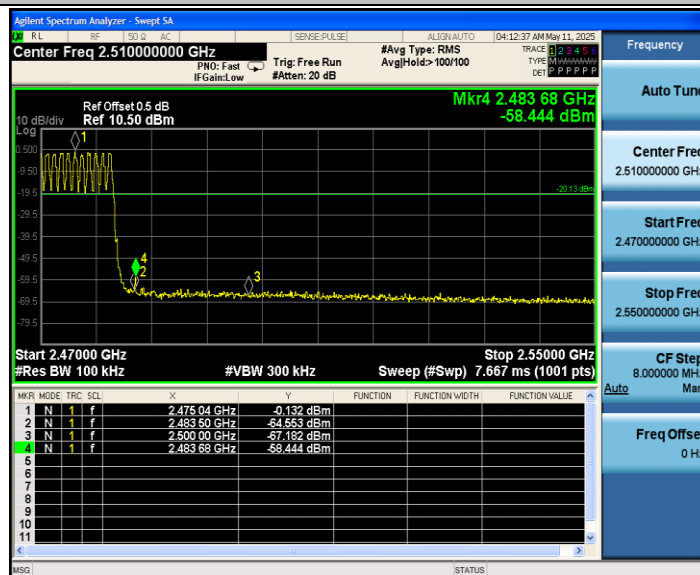
DH5_Ant1_High_2480



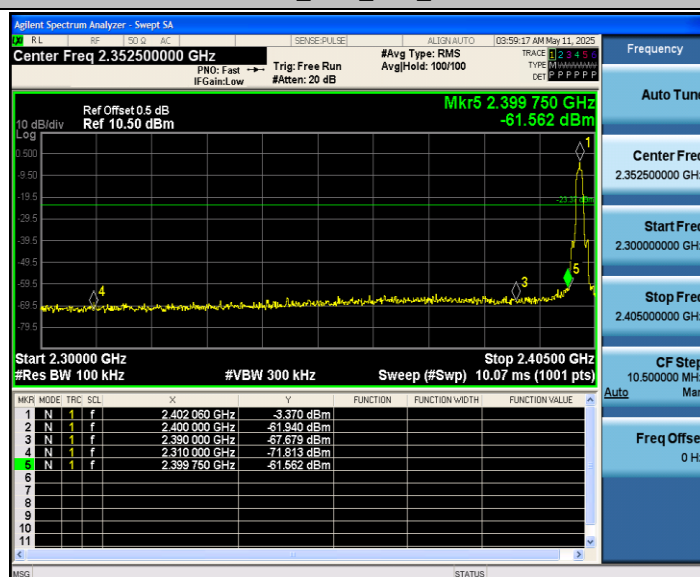
DH5_Ant1_Low_Hop_2402



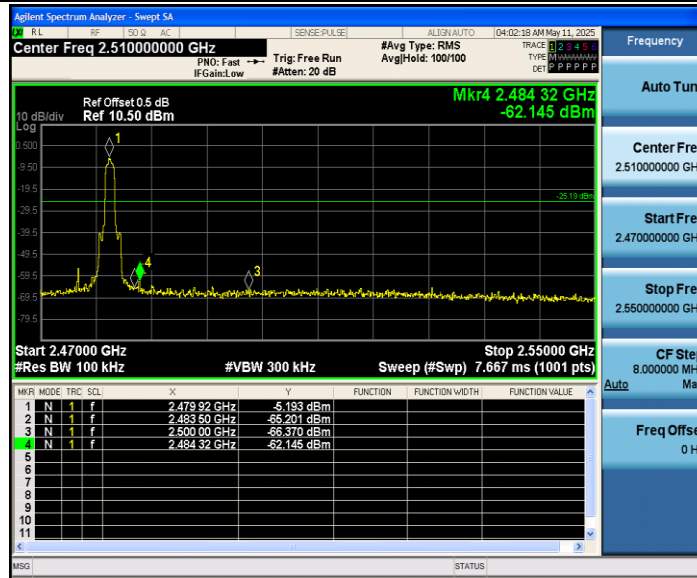
DH5_Ant1_High_Hop_2480



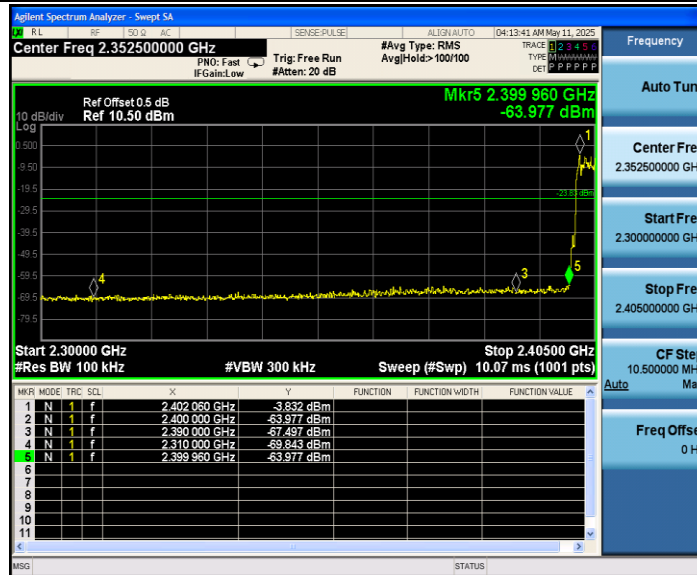
2DH5_Ant1_Low_2402



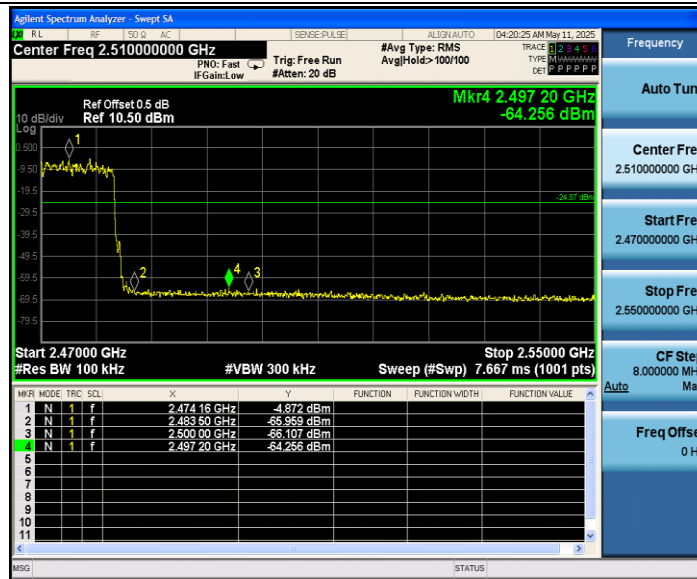
2DH5_Ant1_High_2480



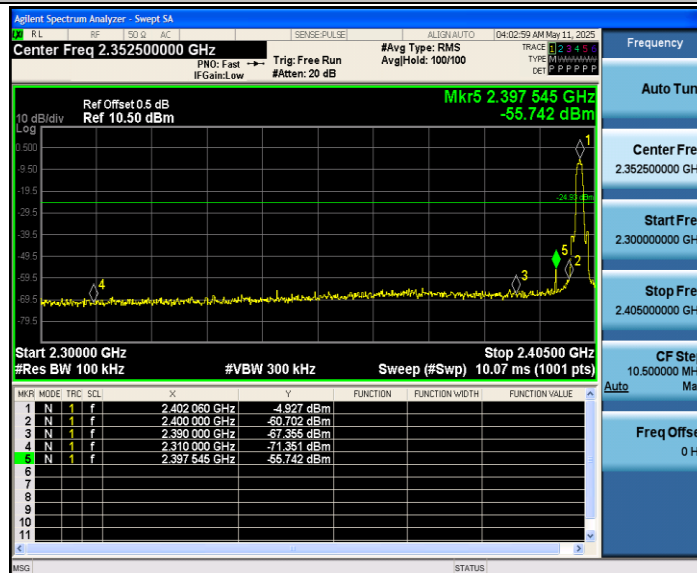
2DH5_Ant1_Low_Hop_2402



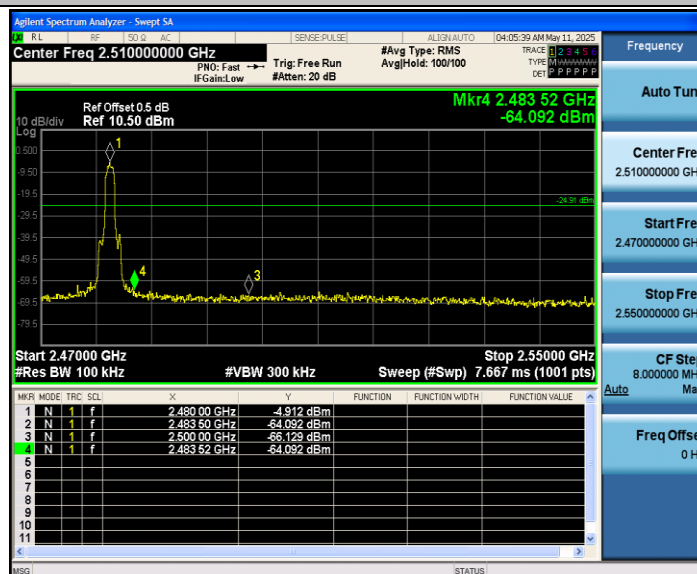
2DH5_Ant1_High_Hop_2480



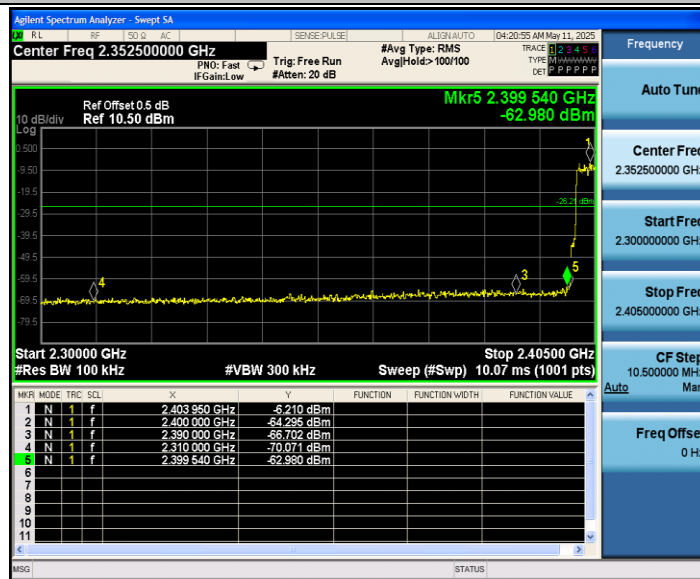
3DH5_Ant1_Low_2402



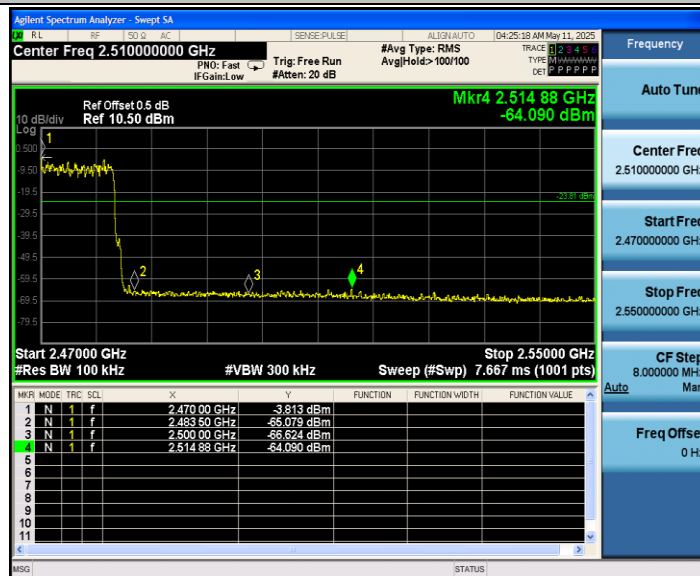
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

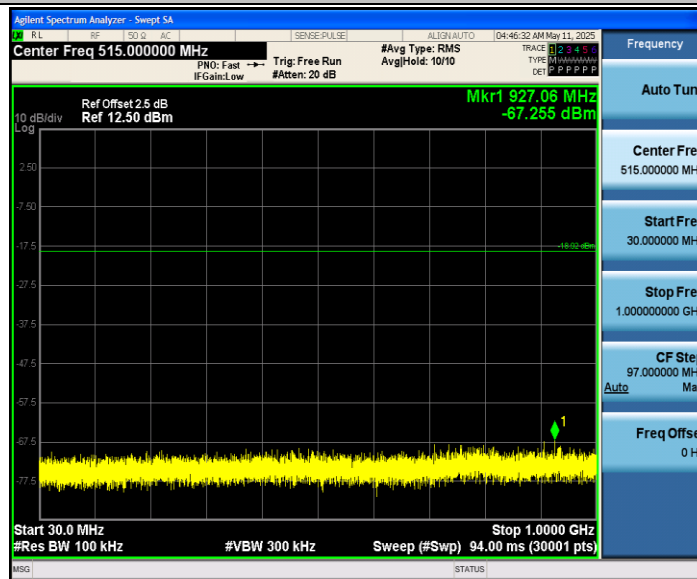
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.08	1.08	---	PASS
			30~1000	1.08	-67.26	≤-18.92	PASS
			1000~26500	1.08	-42.82	≤-18.92	PASS
		2441	Reference	0.67	0.67	---	PASS
			30~1000	0.67	-67.8	≤-19.33	PASS
			1000~26500	0.67	-43.94	≤-19.33	PASS
		2480	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-67.68	≤-19.25	PASS
			1000~26500	0.75	-44.17	≤-19.25	PASS
2DH5	Ant1	2402	Reference	-4.58	-4.58	---	PASS
			30~1000	-4.58	-67.73	≤-24.58	PASS
			1000~26500	-4.58	-47.83	≤-24.58	PASS
		2441	Reference	-4.45	-4.45	---	PASS
			30~1000	-4.45	-67.43	≤-24.45	PASS
			1000~26500	-4.45	-49.19	≤-24.45	PASS
		2480	Reference	-4.00	-4.00	---	PASS
			30~1000	-4.00	-67.99	≤-24	PASS
			1000~26500	-4.00	-45.18	≤-24	PASS
3DH5	Ant1	2402	Reference	-4.32	-4.32	---	PASS
			30~1000	-4.32	-66.96	≤-24.32	PASS
			1000~26500	-4.32	-49.35	≤-24.32	PASS
		2441	Reference	-4.56	-4.56	---	PASS
			30~1000	-4.56	-67.98	≤-24.56	PASS
			1000~26500	-4.56	-49.44	≤-24.56	PASS
		2480	Reference	-4.30	-4.30	---	PASS
			30~1000	-4.30	-67.51	≤-24.3	PASS
			1000~26500	-4.30	-50.16	≤-24.3	PASS

Test Graphs

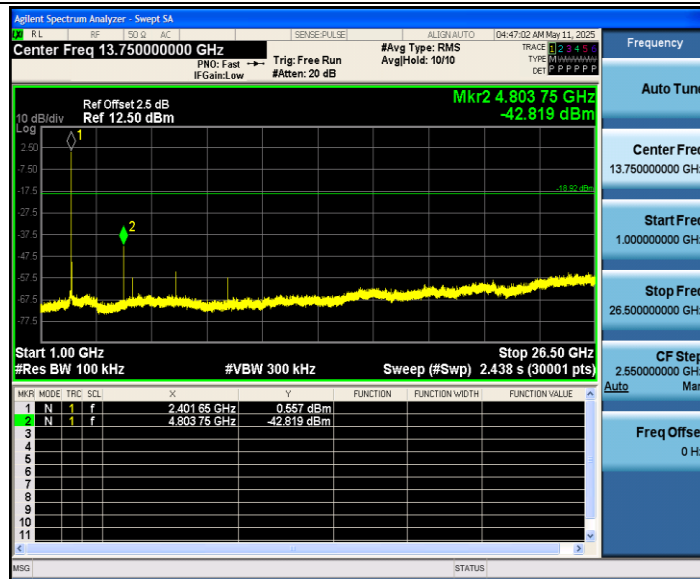
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



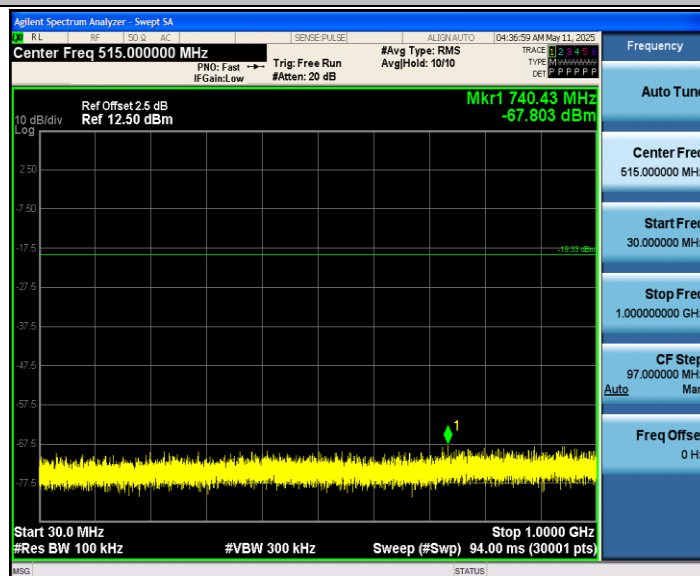
DH5_Ant1_2402_1000~26500



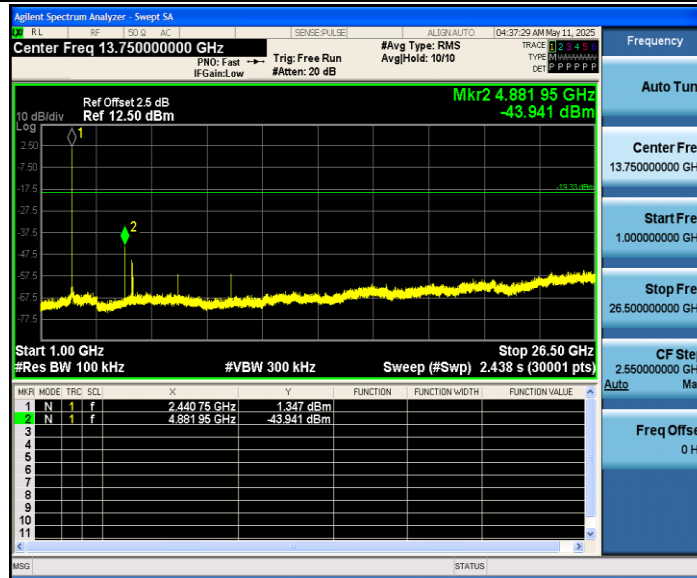
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



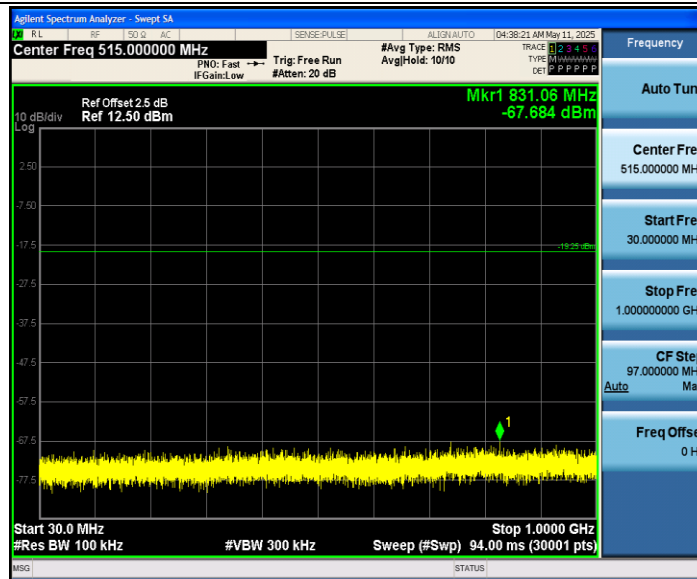
DH5_Ant1_2441_1000~26500



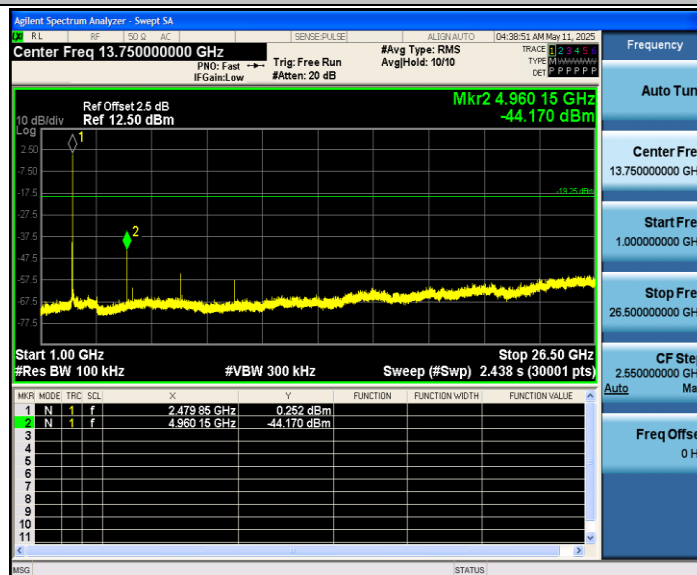
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

