

Case No. : <u>GTS20250213022-1-01</u>	
Ambient Condition: <u>22</u> °C, <u>49</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.2.17—2025.3.4</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.780	2401.601	2402.381	---	---
		2441	0.867	2440.553	2441.420	---	---
		2480	0.855	2479.559	2480.414	---	---
2DH1	Ant1	2402	1.194	2401.388	2402.582	---	---
		2441	1.185	2440.397	2441.582	---	---
		2480	1.209	2479.373	2480.582	---	---
3DH1	Ant1	2402	1.224	2401.394	2402.618	---	---
		2441	1.215	2440.391	2441.606	---	---
		2480	1.224	2479.391	2480.615	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



3DH1_Ant1_2480



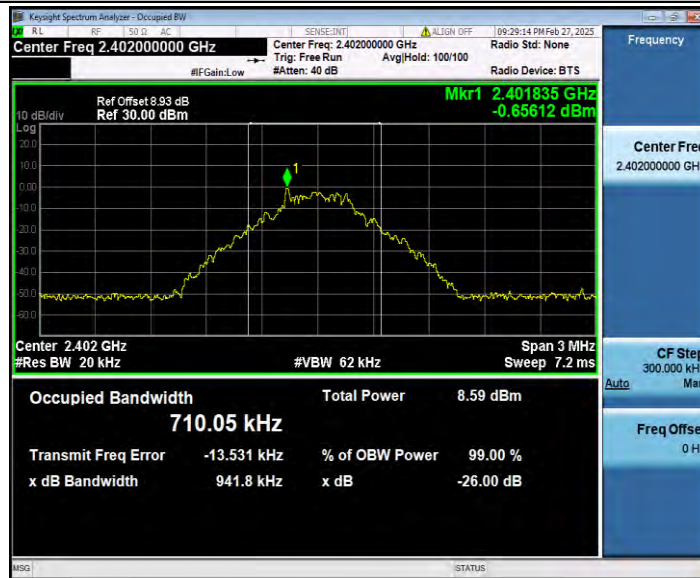
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.71005	2401.6314	2402.3415	---	---
		2441	0.71350	2440.6262	2441.3397	---	---
		2480	0.70876	2479.6282	2480.3369	---	---
2DH1	Ant1	2402	1.1302	2401.4265	2402.5567	---	---
		2441	1.1329	2440.4259	2441.5588	---	---
		2480	1.1277	2479.4264	2480.5541	---	---
3DH1	Ant1	2402	1.1239	2401.4378	2402.5617	---	---
		2441	1.1263	2440.4371	2441.5634	---	---
		2480	1.1307	2479.4350	2480.5657	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



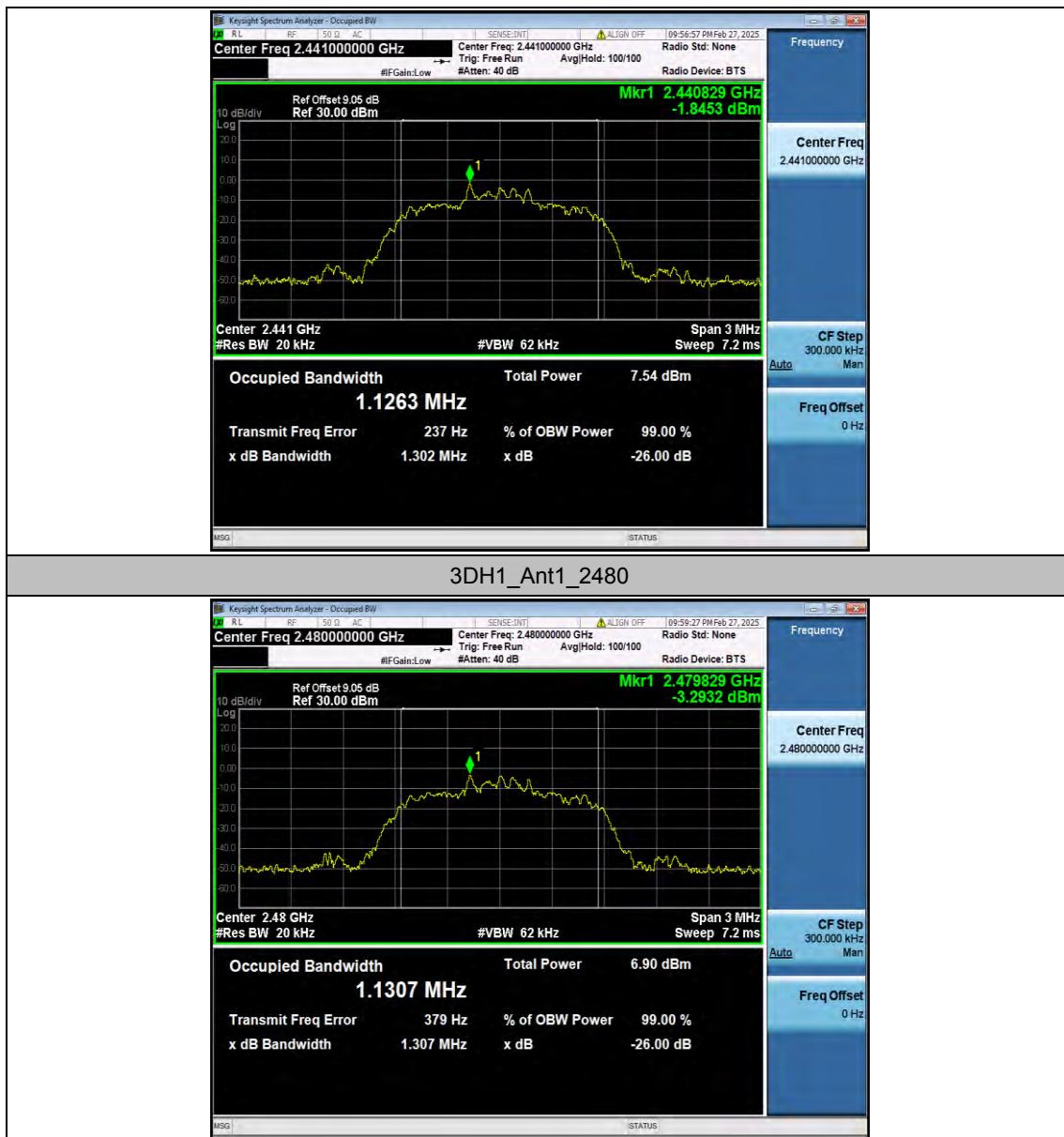
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



Appendix A.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	2.83	≤ 20.97	PASS
		2441	3.18	≤ 20.97	PASS
		2480	2.81	≤ 20.97	PASS
2DH1	Ant1	2402	1.98	≤ 20.97	PASS
		2441	2.38	≤ 20.97	PASS
		2480	2.03	≤ 20.97	PASS
3DH1	Ant1	2402	1.97	≤ 20.97	PASS
		2441	2.46	≤ 20.97	PASS
		2480	1.97	≤ 20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.006	≥ 0.578	PASS
		Hop_2441	0.696	≥ 0.578	PASS
		Hop_2480	1.004	≥ 0.578	PASS
2DH1	Ant1	Hop_2402	0.996	≥ 0.806	PASS
		Hop_2441	0.99	≥ 0.806	PASS
		Hop_2480	1.004	≥ 0.806	PASS
3DH1	Ant1	Hop_2402	1.176	≥ 0.816	PASS
		Hop_2441	0.852	≥ 0.816	PASS
		Hop_2480	0.976	≥ 0.816	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441



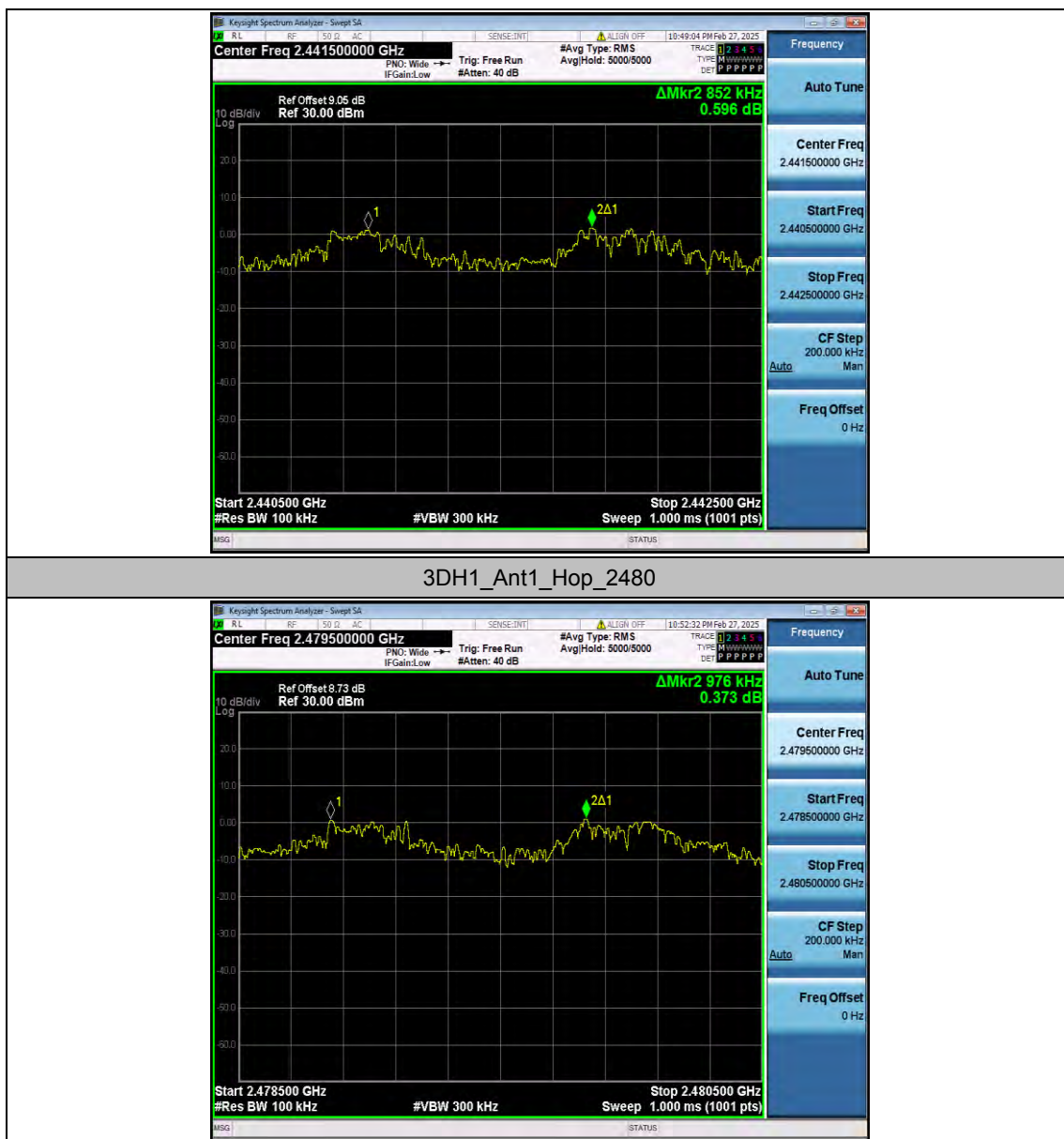
2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441

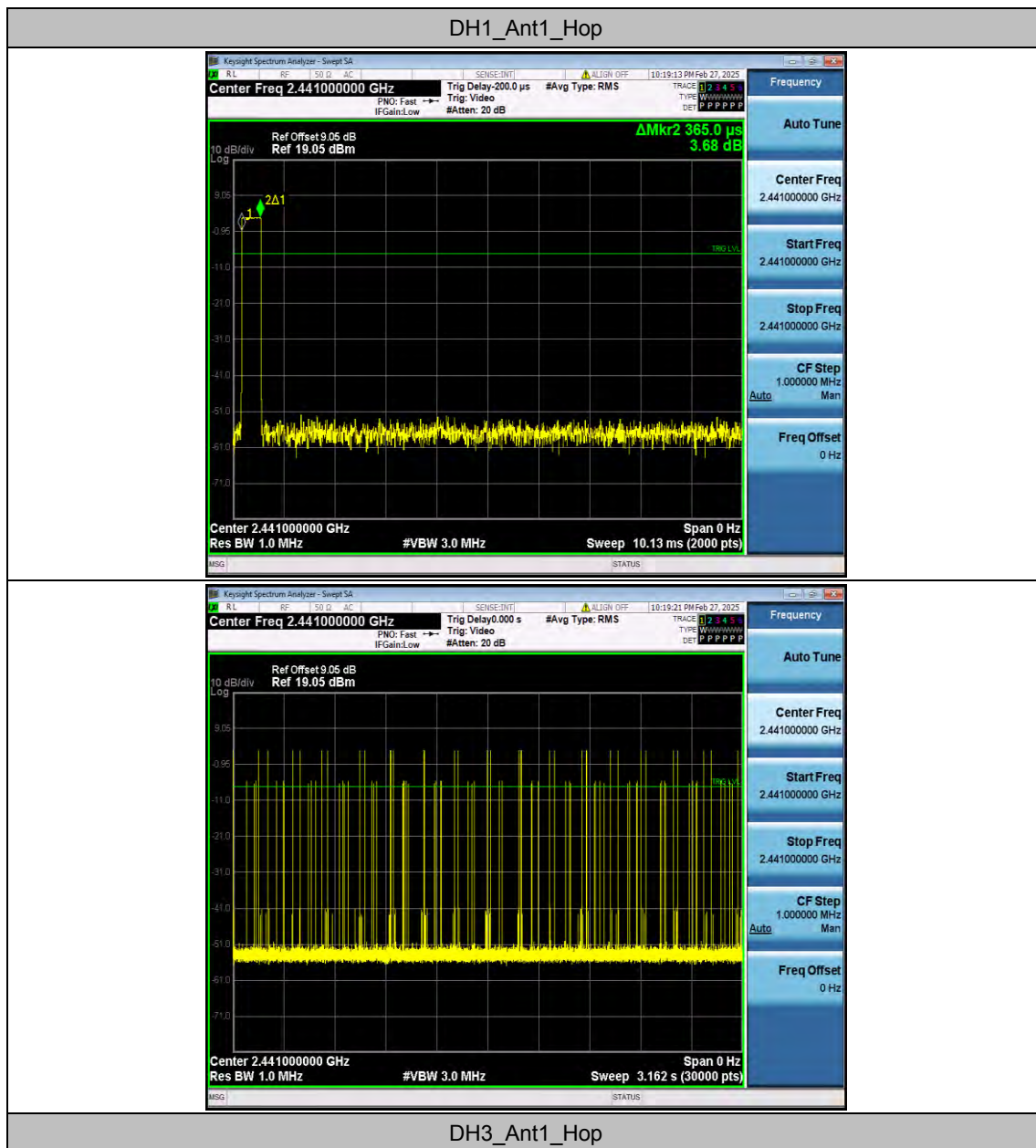


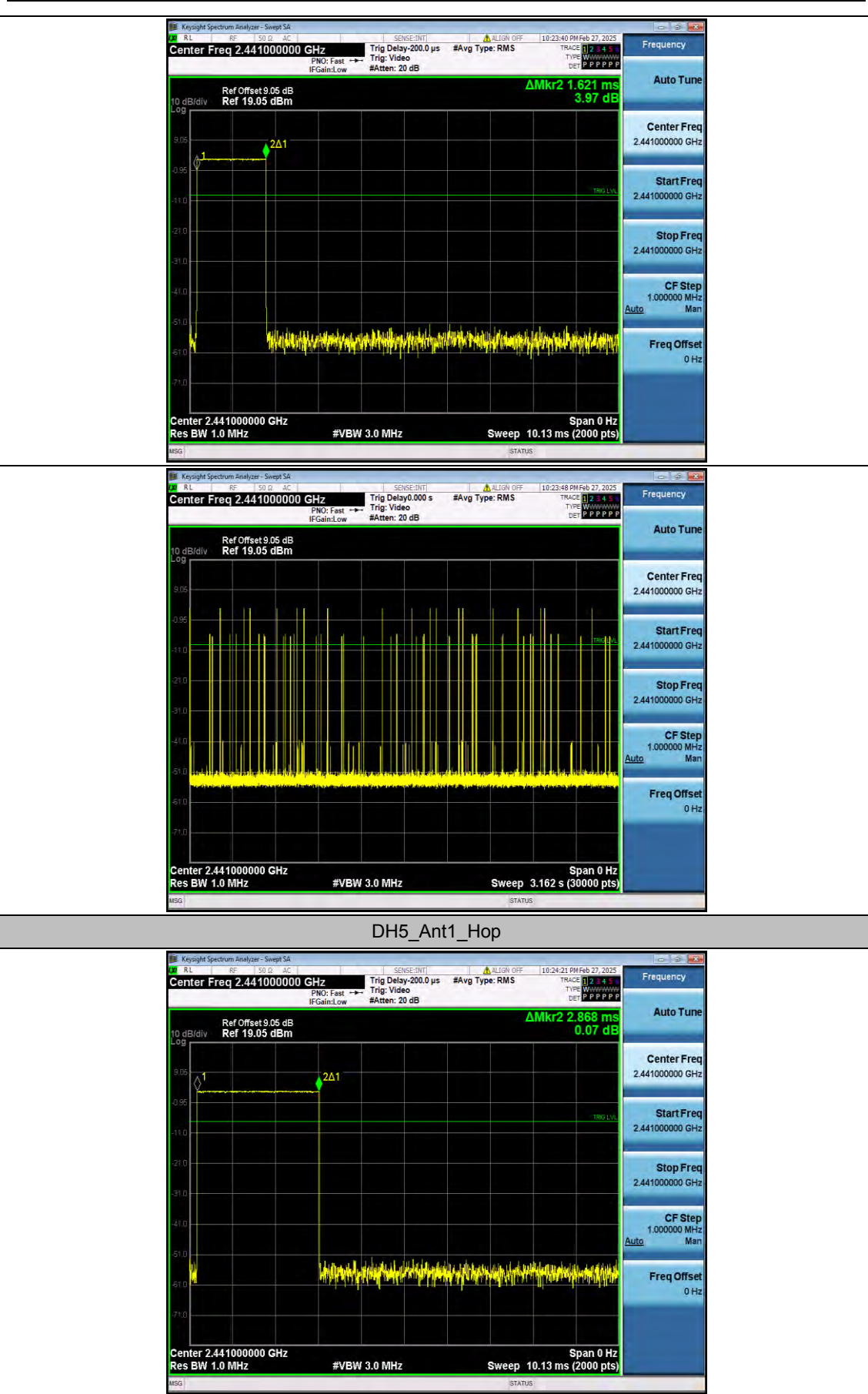
Appendix A.5: Time of occupancy

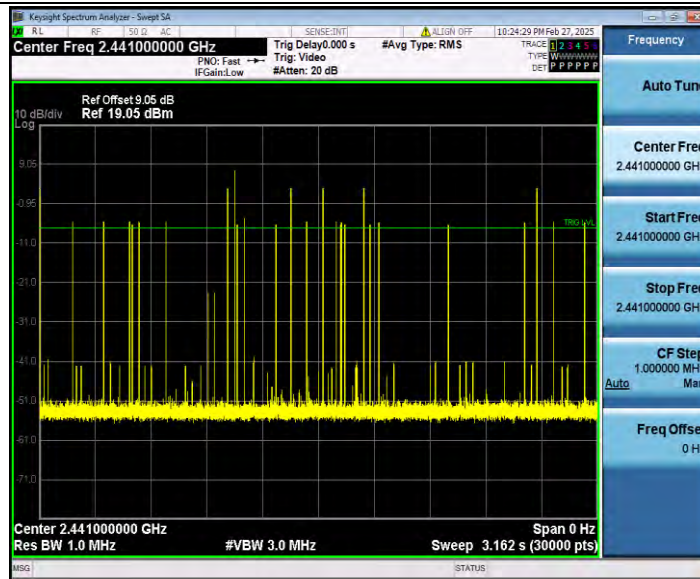
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.365	320	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.621	190	0.308	≤0.4	PASS
DH5	Ant1	Hop	2.868	70	0.201	≤0.4	PASS
2DH1	Ant1	Hop	0.375	330	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.626	180	0.293	≤0.4	PASS
2DH5	Ant1	Hop	2.873	110	0.316	≤0.4	PASS
3DH1	Ant1	Hop	0.375	330	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.626	170	0.276	≤0.4	PASS
3DH5	Ant1	Hop	2.878	110	0.317	≤0.4	PASS

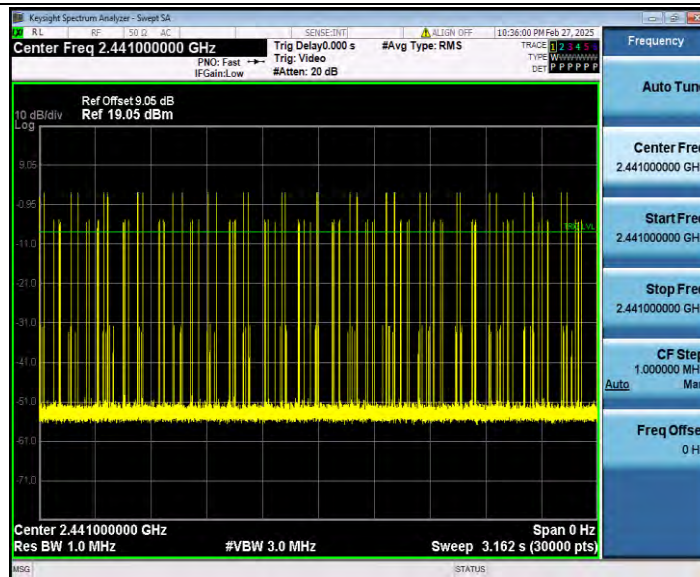
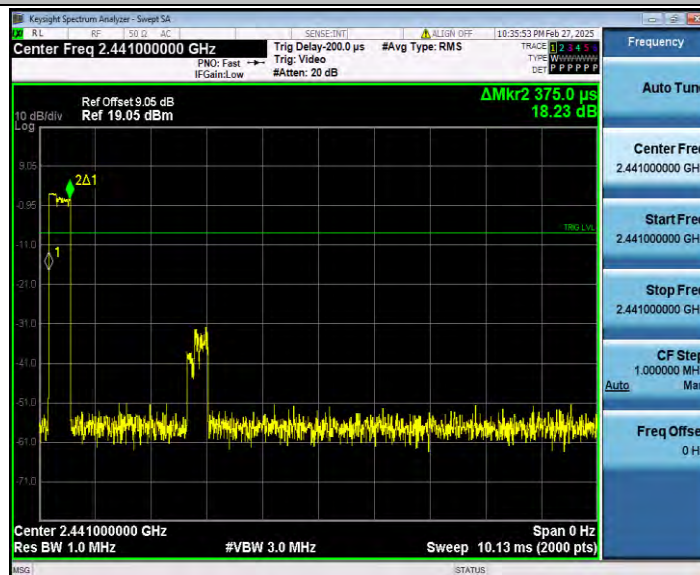
Test Graphs



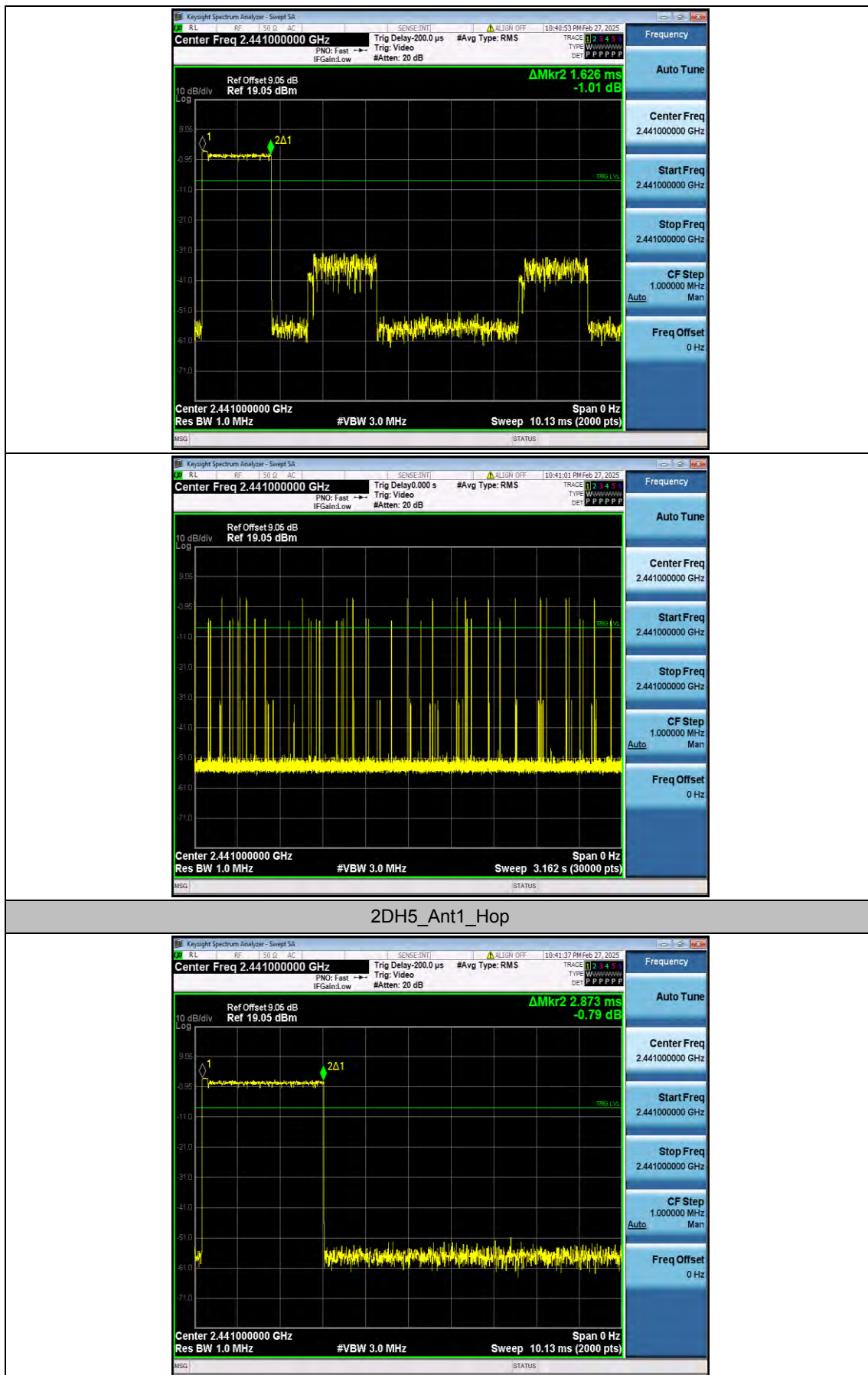


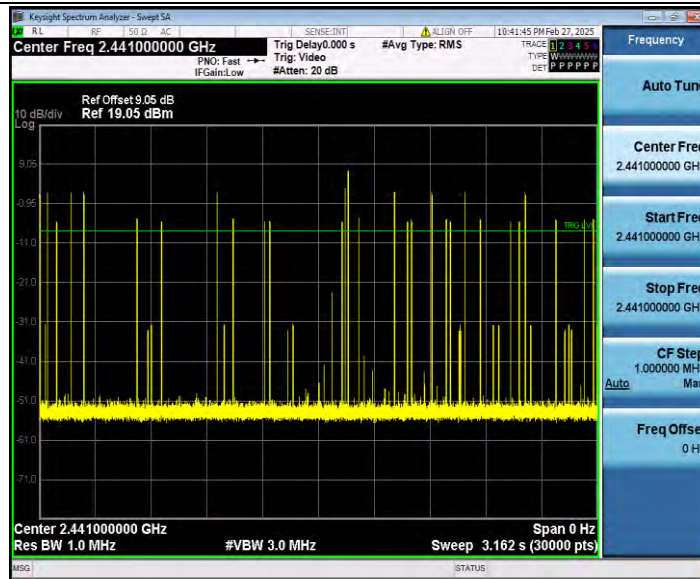


2DH1_Ant1_Hop

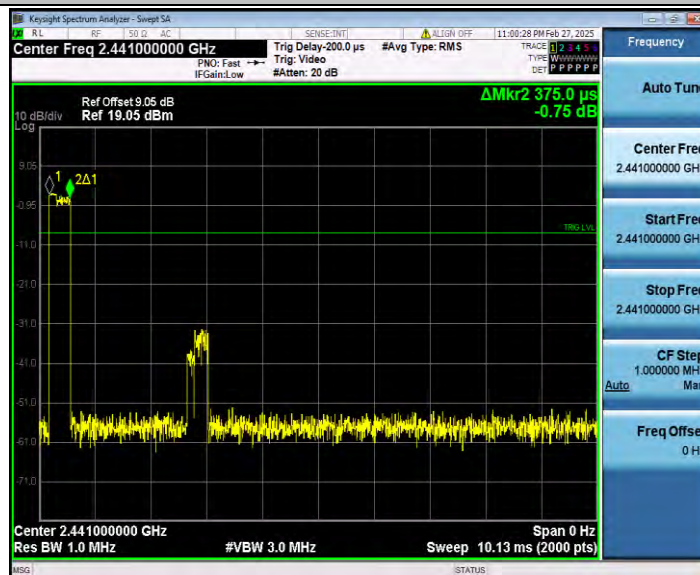


2DH3_Ant1_Hop

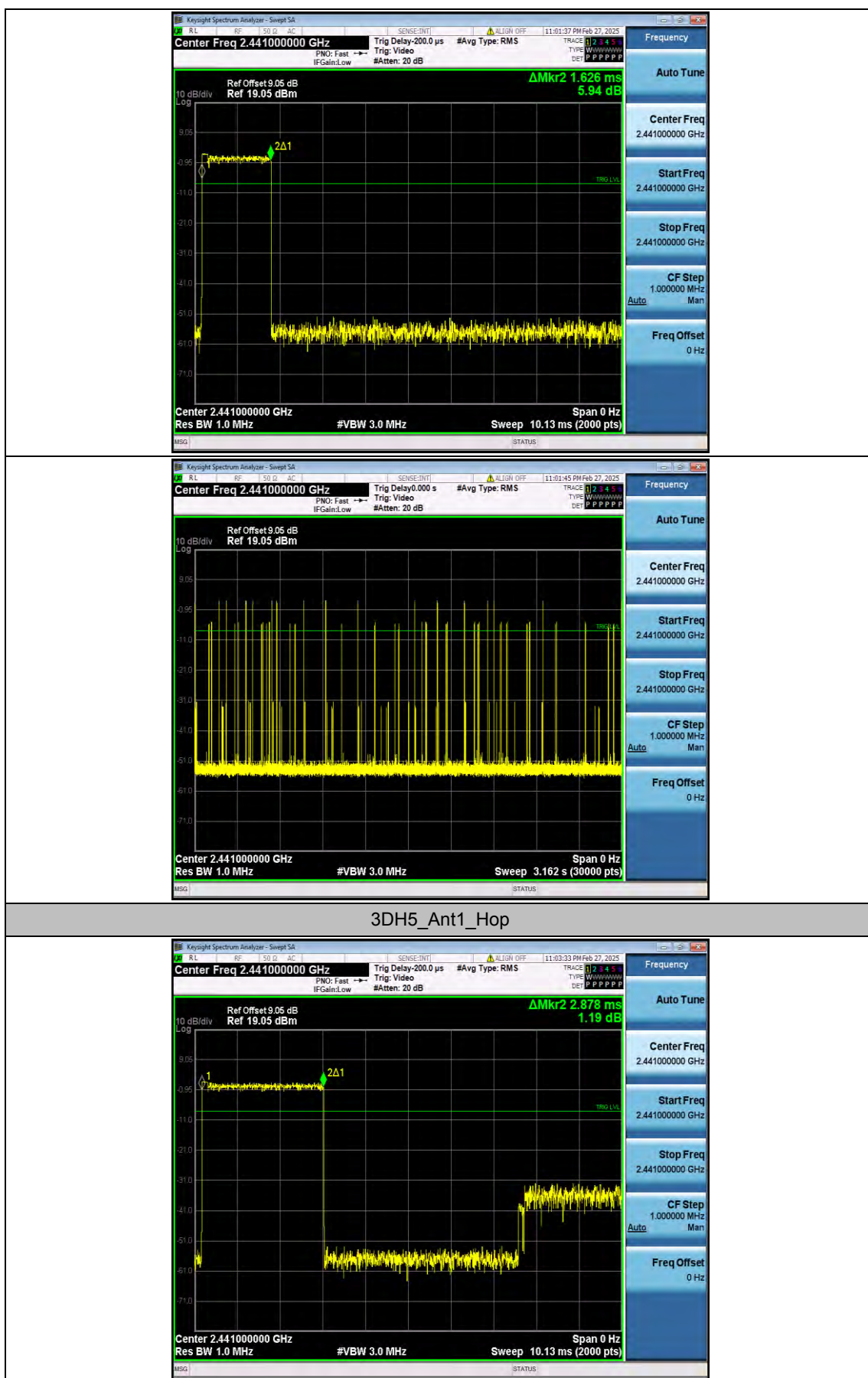


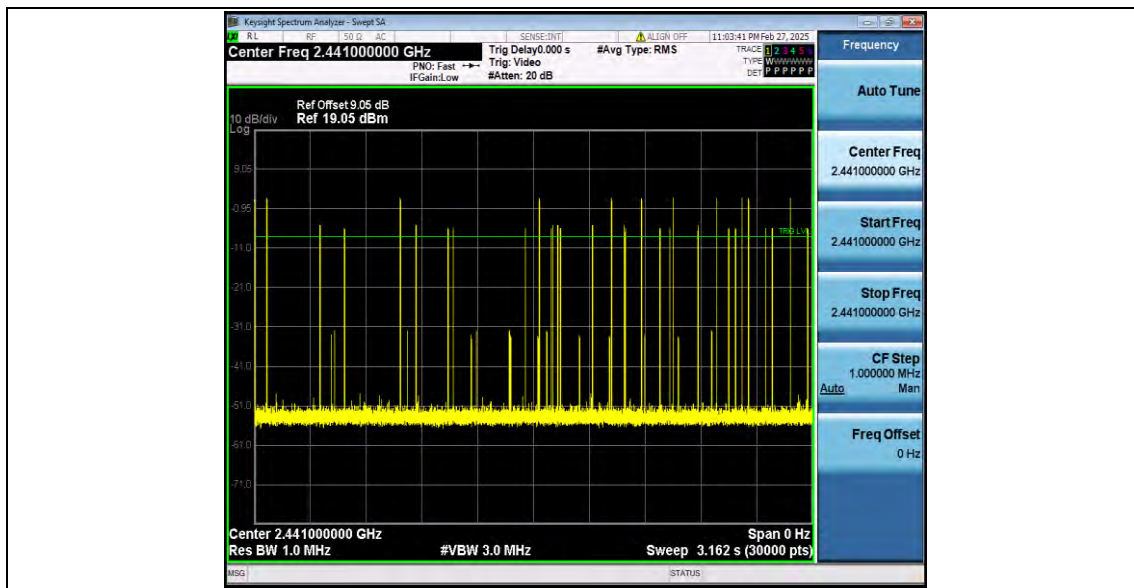


3DH1_Ant1_Hop



3DH3_Ant1_Hop



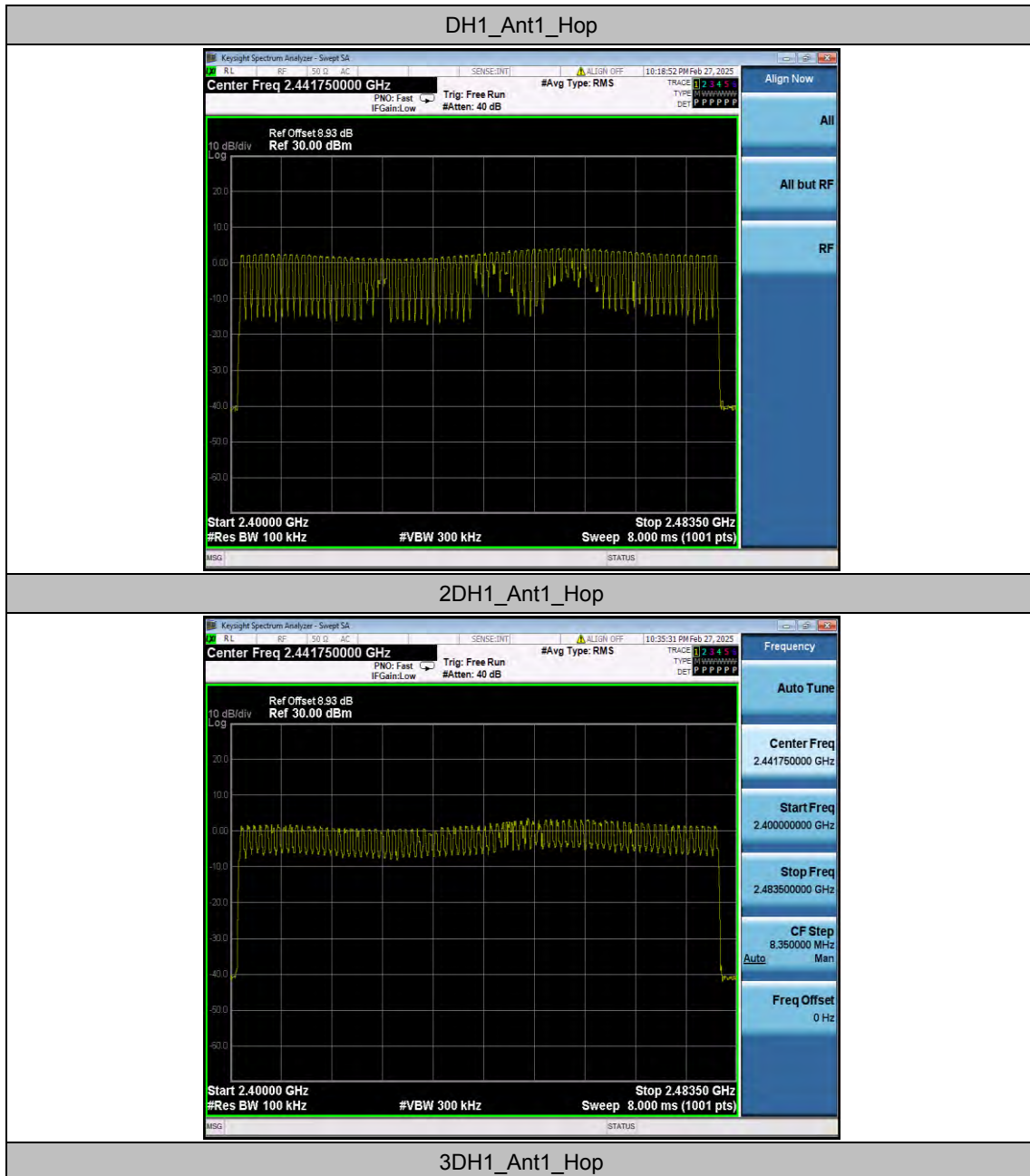


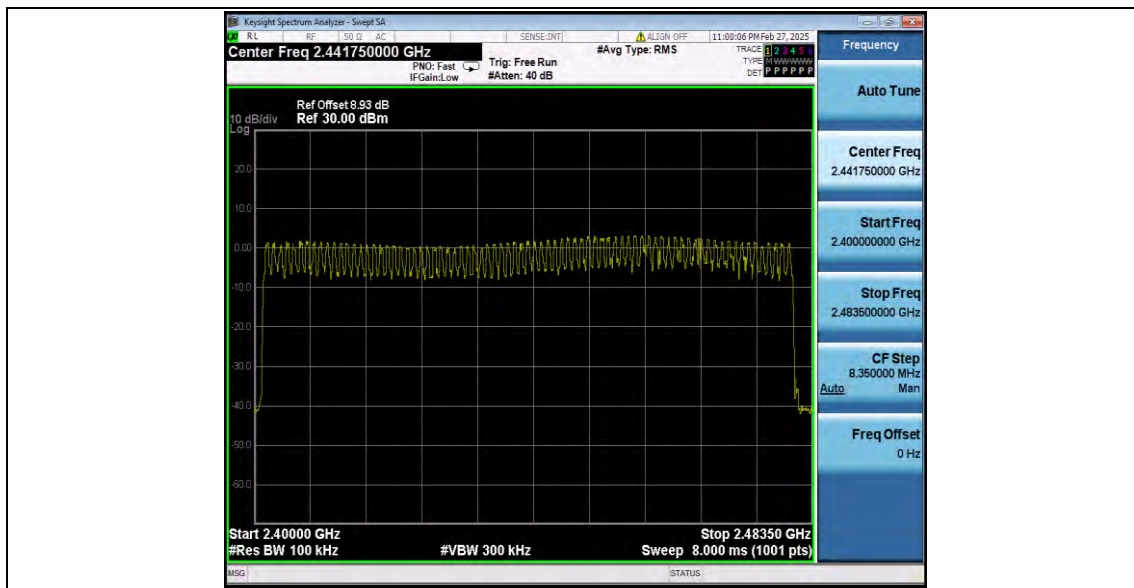
Appendix A.6: Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs





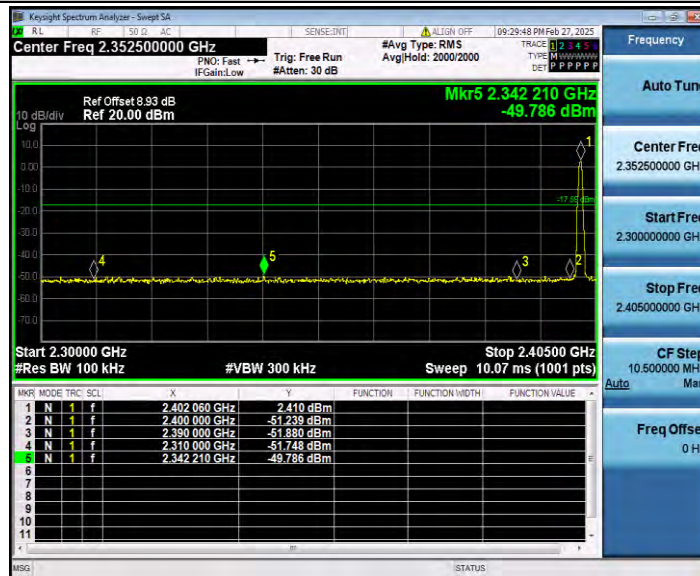
Appendix A.7: Band edge measurements

Test Result

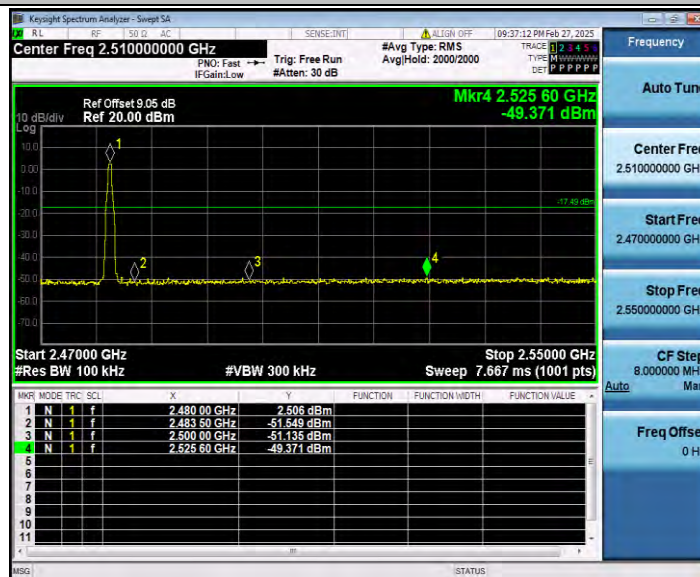
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	2.41	-49.79	≤ -17.59	PASS
		High	2480	2.51	-49.37	≤ -17.49	PASS
		Low	Hop_2402	2.43	-49.25	≤ -17.57	PASS
		High	Hop_2480	2.45	-48.67	≤ -17.55	PASS
2DH1	Ant1	Low	2402	1.56	-49.12	≤ -18.44	PASS
		High	2480	1.66	-48.25	≤ -18.34	PASS
		Low	Hop_2402	1.20	-49.17	≤ -18.8	PASS
		High	Hop_2480	1.77	-48.3	≤ -18.23	PASS
3DH1	Ant1	Low	2402	1.53	-49.81	≤ -18.47	PASS
		High	2480	1.66	-48.74	≤ -18.34	PASS
		Low	Hop_2402	1.27	-49.85	≤ -18.73	PASS
		High	Hop_2480	0.81	-48.71	≤ -19.2	PASS

Test Graphs

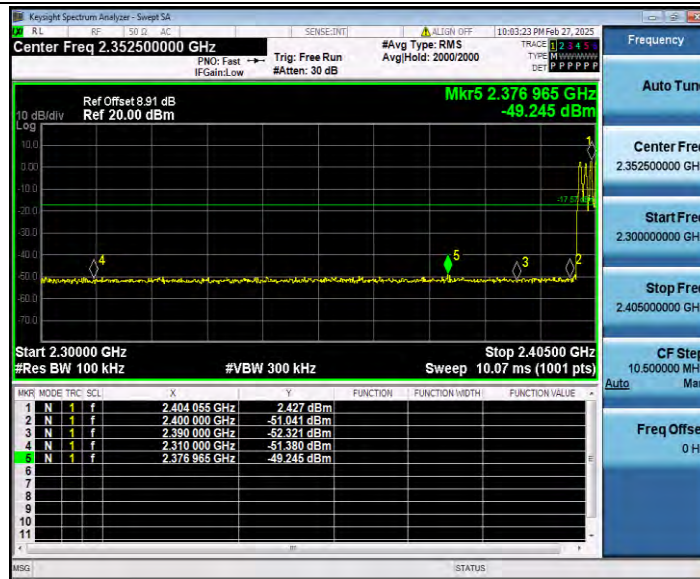
DH1_Ant1_Low_2402



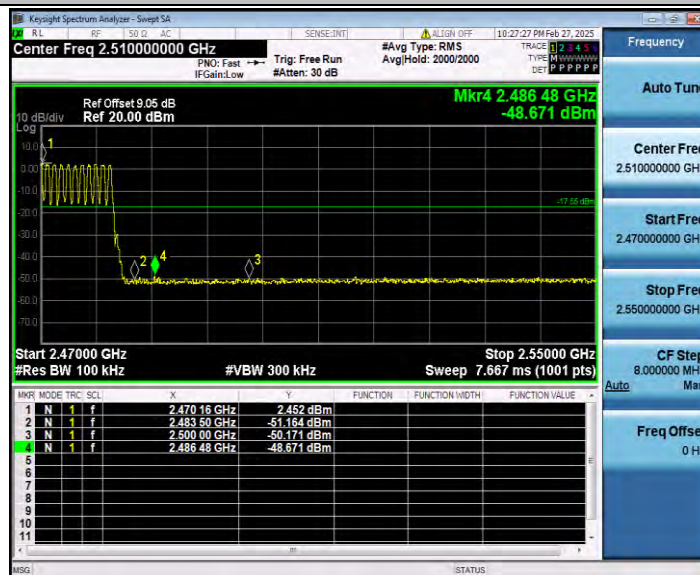
DH1_Ant1_High_2480



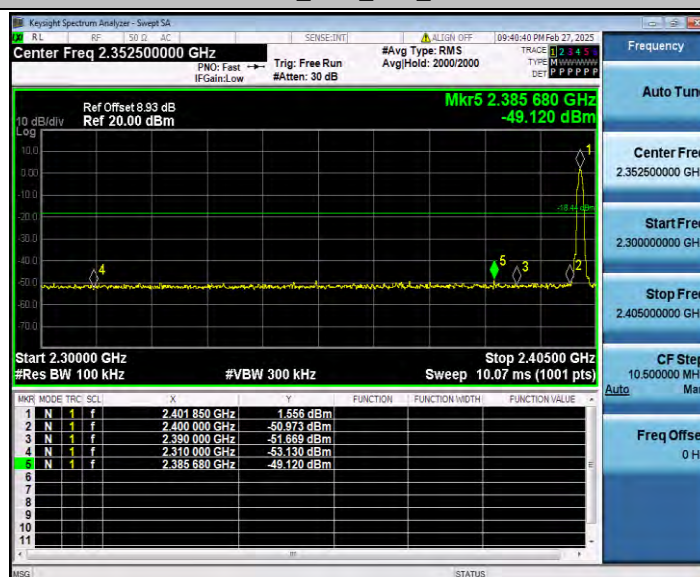
DH1_Ant1_Low_Hop_2402



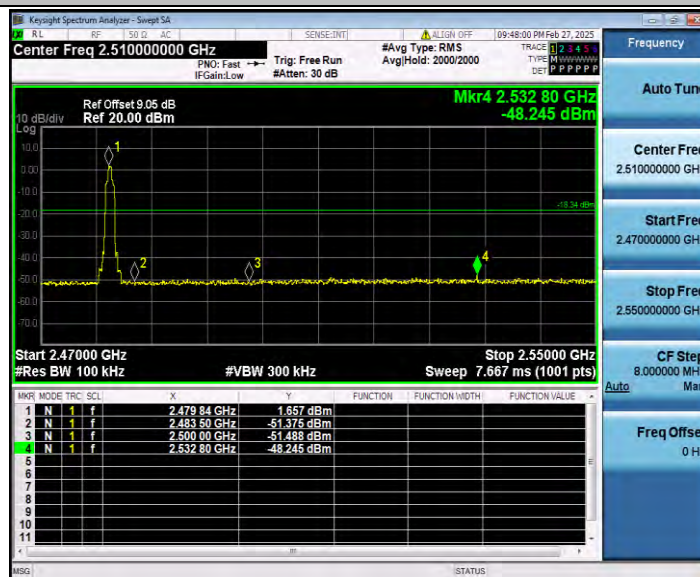
DH1_Ant1_High_Hop_2480



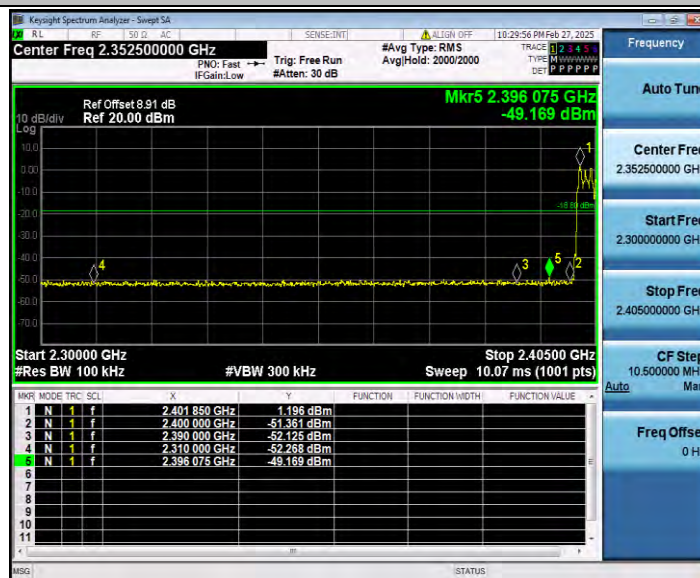
2DH1_Ant1_Low_2402



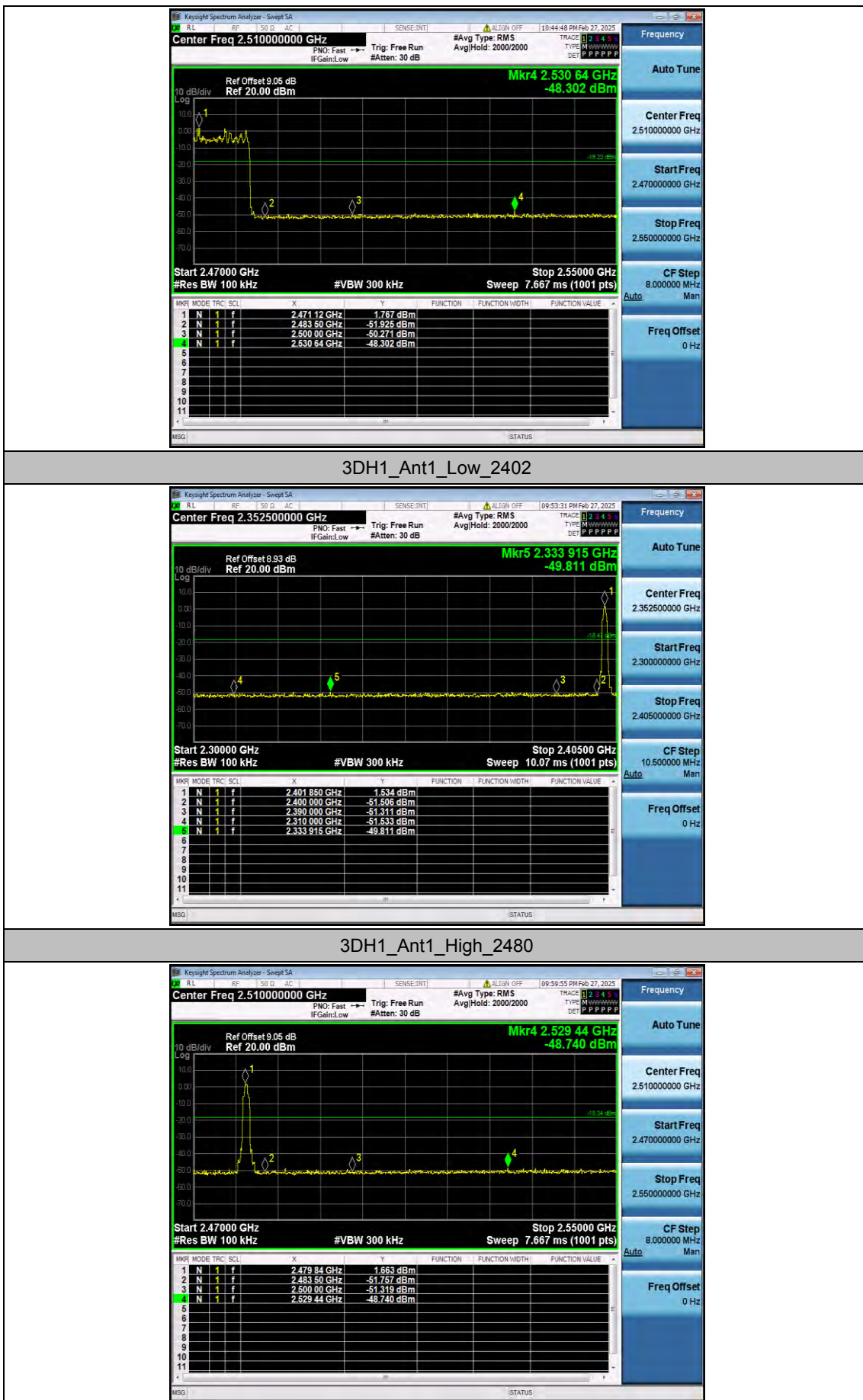
2DH1_Ant1_High_2480



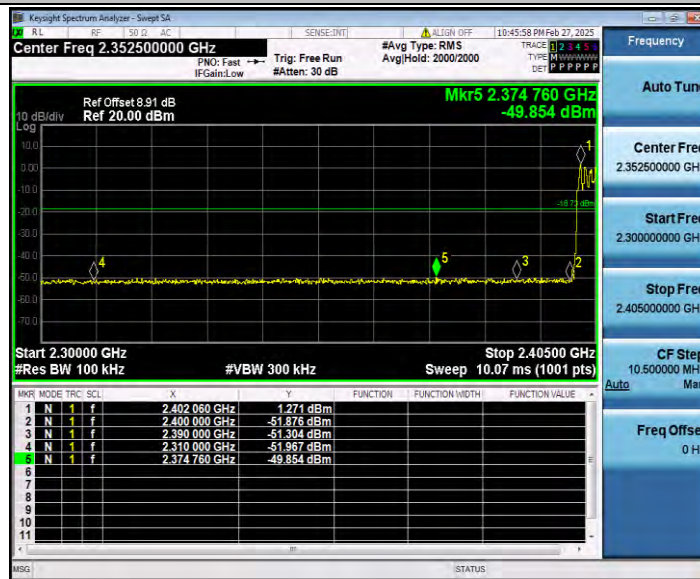
2DH1_Ant1_Low_Hop_2402



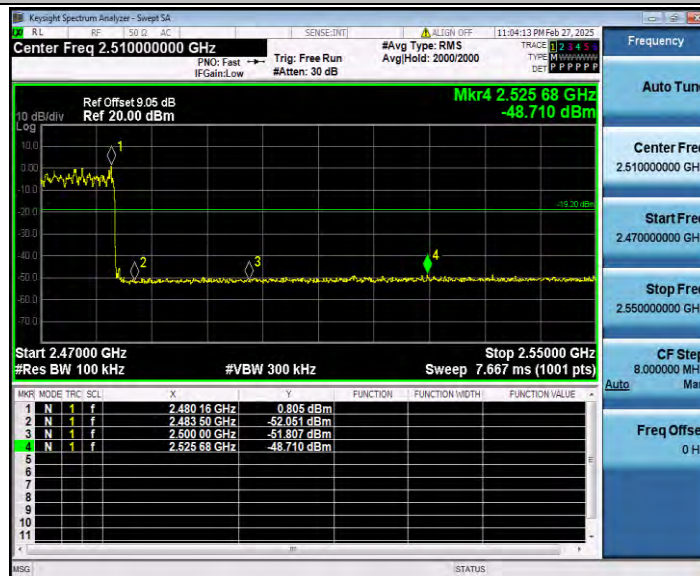
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

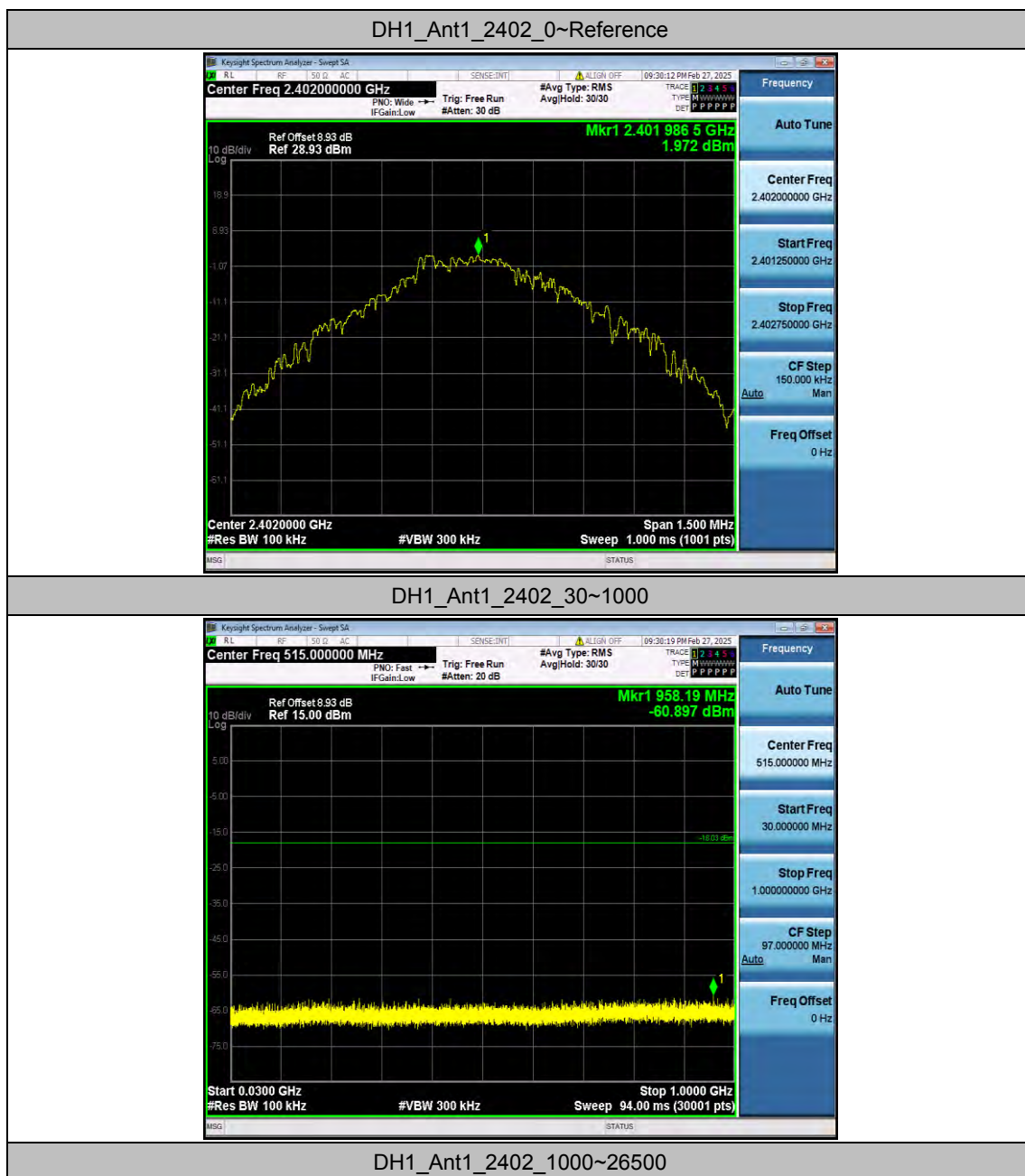


Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	1.97	1.97	---	PASS
			30~1000	1.97	-60.9	≤ -18.03	PASS
			1000~26500	1.97	-47.65	≤ -18.03	PASS
		2441	Reference	2.33	2.33	---	PASS
			30~1000	2.33	-60.43	≤ -17.67	PASS
			1000~26500	2.33	-48.07	≤ -17.67	PASS
		2480	Reference	2.04	2.04	---	PASS
			30~1000	2.04	-60.44	≤ -17.96	PASS
			1000~26500	2.04	-47.32	≤ -17.96	PASS
2DH1	Ant1	2402	Reference	1.40	1.40	---	PASS
			30~1000	1.40	-60.68	≤ -18.6	PASS
			1000~26500	1.40	-47.94	≤ -18.6	PASS
		2441	Reference	1.14	1.14	---	PASS
			30~1000	1.14	-60.93	≤ -18.86	PASS
			1000~26500	1.14	-48.14	≤ -18.86	PASS
		2480	Reference	1.45	1.45	---	PASS
			30~1000	1.45	-60.09	≤ -18.55	PASS
			1000~26500	1.45	-46.83	≤ -18.55	PASS
3DH1	Ant1	2402	Reference	0.79	0.79	---	PASS
			30~1000	0.79	-60.51	≤ -19.21	PASS
			1000~26500	0.79	-47.68	≤ -19.21	PASS
		2441	Reference	1.91	1.91	---	PASS
			30~1000	1.91	-59.93	≤ -18.09	PASS
			1000~26500	1.91	-47.67	≤ -18.09	PASS
		2480	Reference	0.78	0.78	---	PASS
			30~1000	0.78	-60.94	≤ -19.22	PASS
			1000~26500	0.78	-46.8	≤ -19.22	PASS

Test Graphs

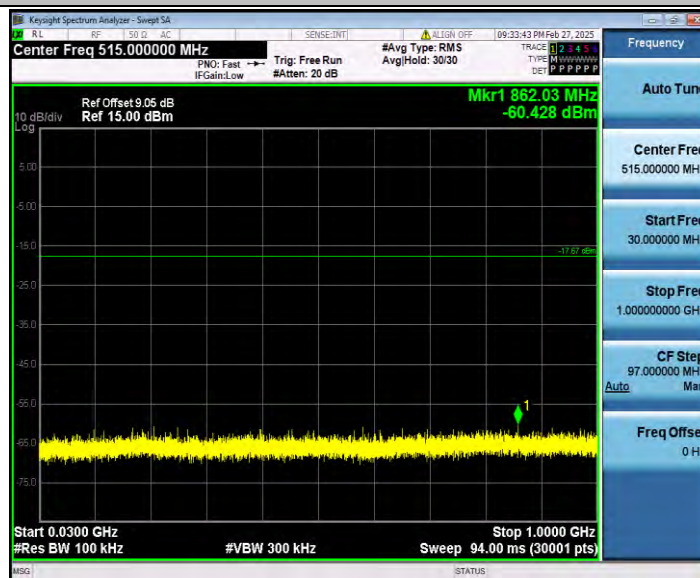




DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



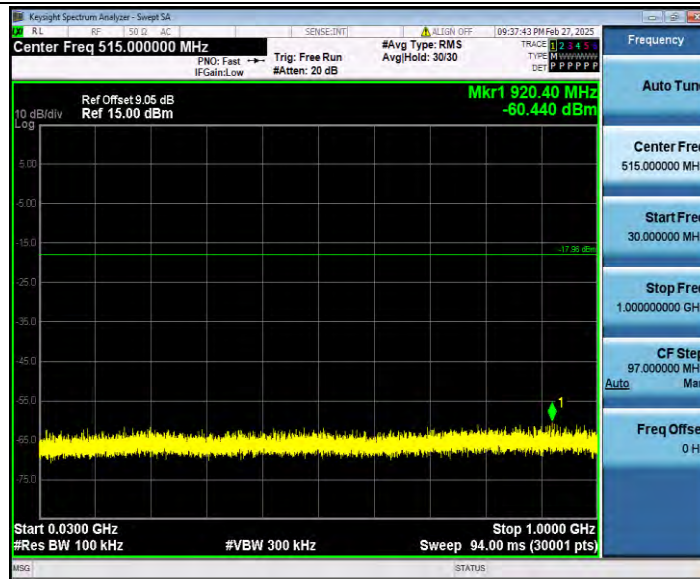
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



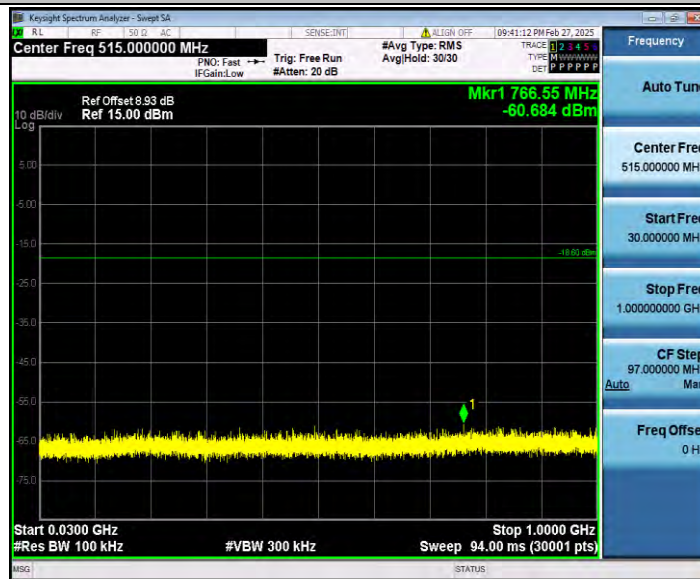
DH1_Ant1_2480_1000~26500



2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



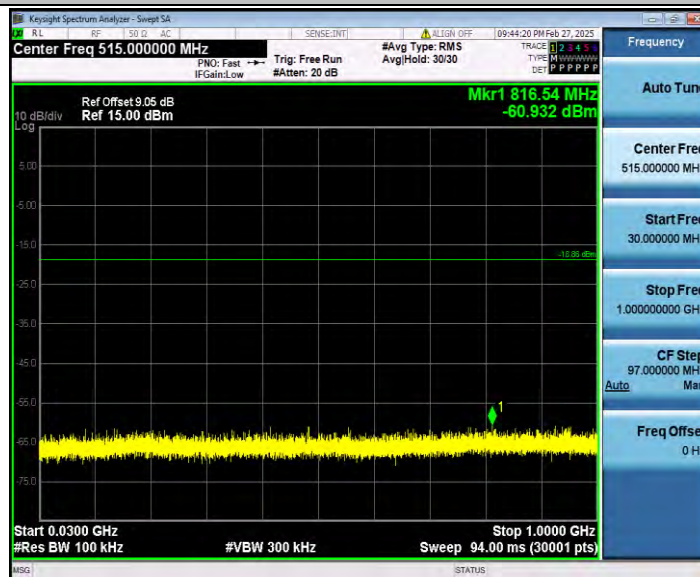
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



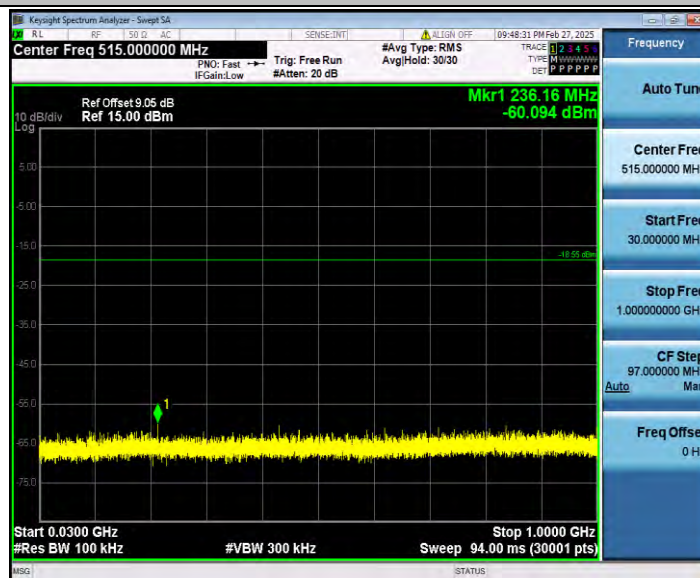
2DH1_Ant1_2441_1000~26500



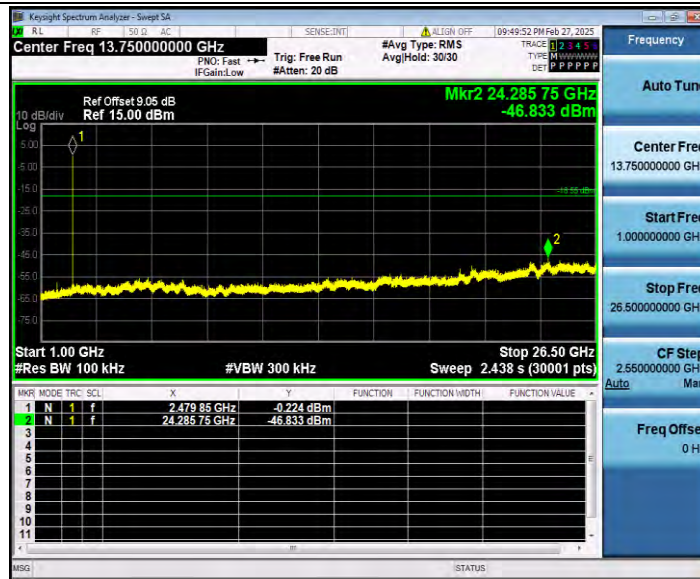
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



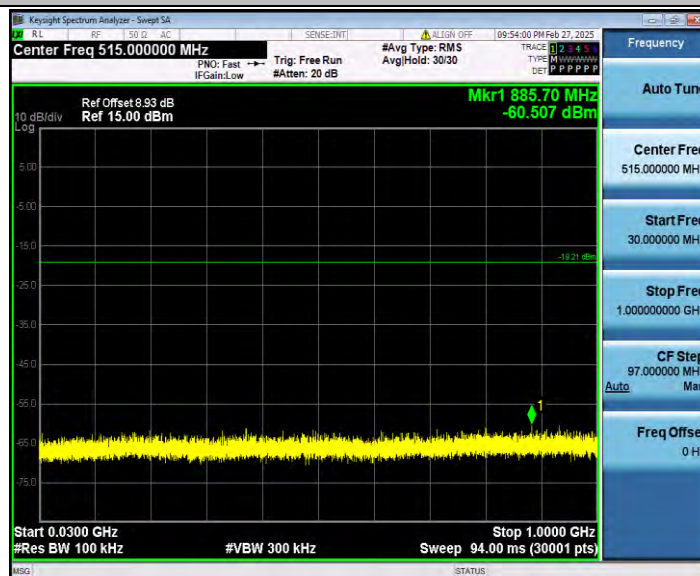
2DH1_Ant1_2480_1000~26500



3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



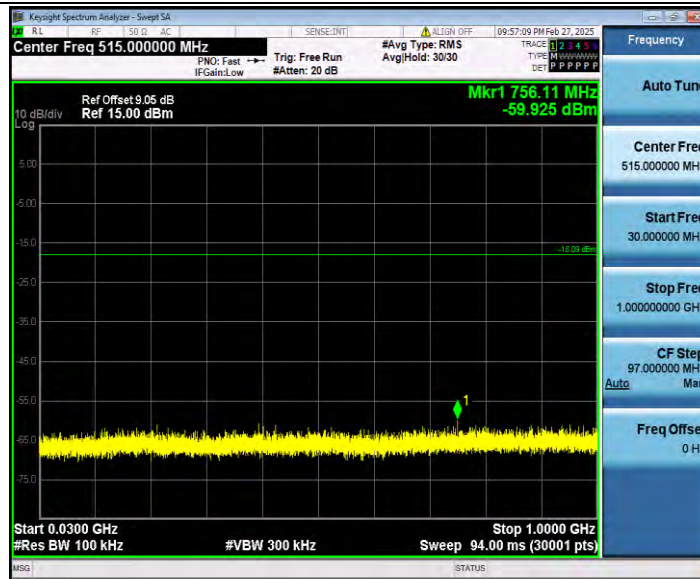
3DH1_Ant1_2402_1000~26500



3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



