

Case No. : <u>GTS20250106018-3-01</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.1.21</u>	Test Engineer: <u>Evan ouyang</u>

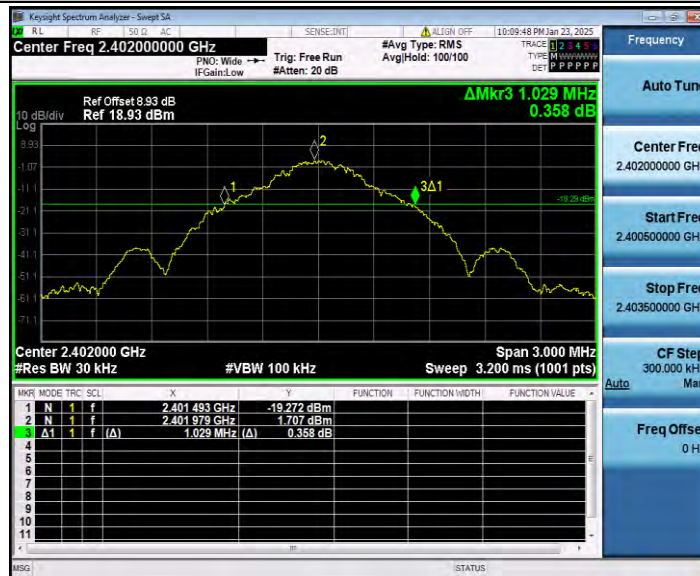
Appendix A.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant2	2402	1.029	2401.493	2402.522	---	---
		2441	0.957	2440.523	2441.480	---	---
		2480	1.023	2479.487	2480.510	---	---
2DH1	Ant2	2402	1.353	2401.316	2402.669	---	---
		2441	1.350	2440.316	2441.666	---	---
		2480	1.368	2479.307	2480.675	---	---
3DH1	Ant2	2402	1.362	2401.307	2402.669	---	---
		2441	1.362	2440.316	2441.678	---	---
		2480	1.365	2479.310	2480.675	---	---

Test Graphs

DH1_Ant2_2402



DH1_Ant2_2441



DH1_Ant2_2480



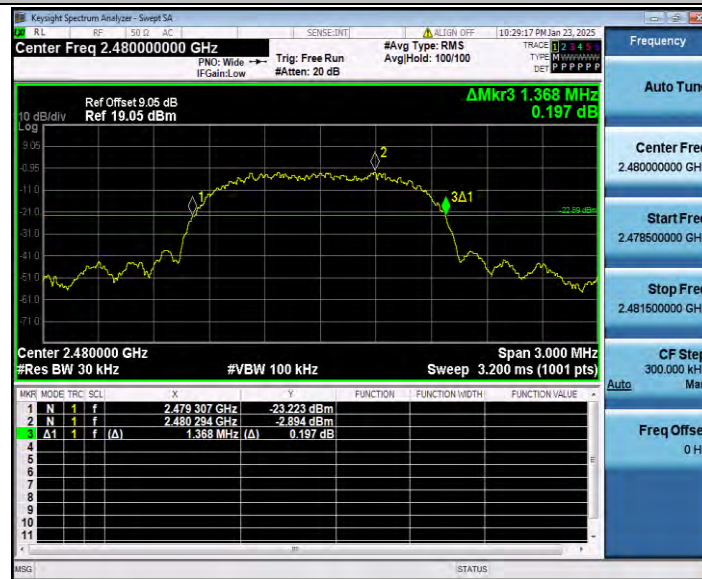
2DH1_Ant2_2402



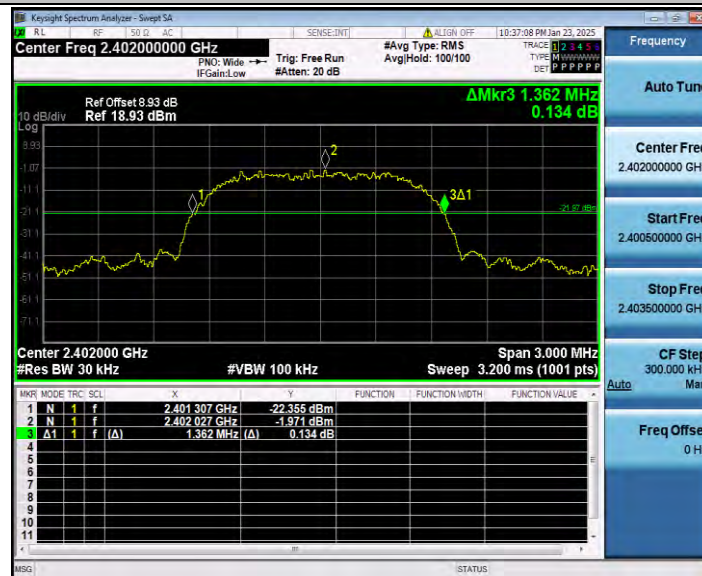
2DH1_Ant2_2441



2DH1_Ant2_2480



3DH1_Ant2_2402



3DH1_Ant2_2441



3DH1_Ant2_2480

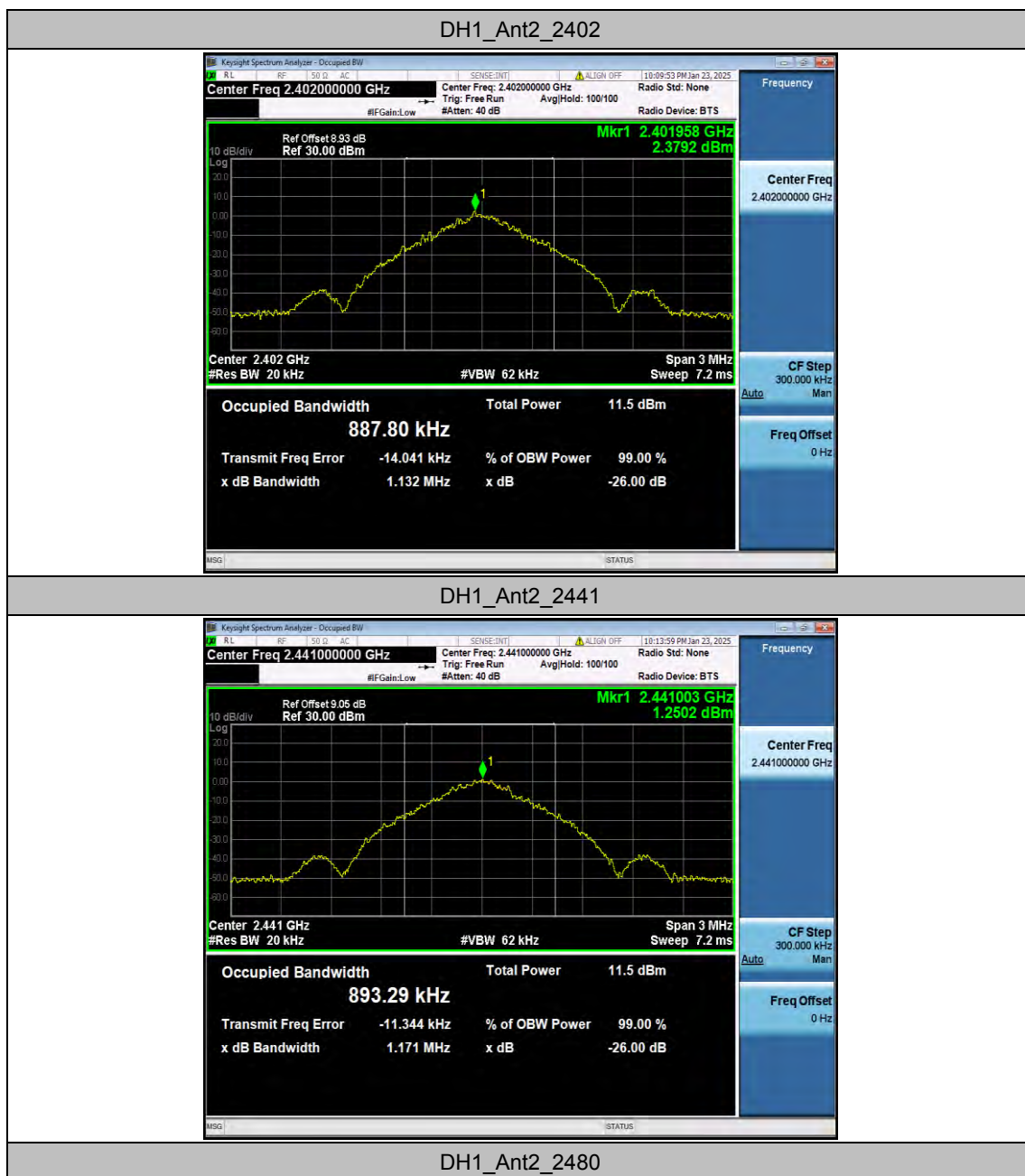


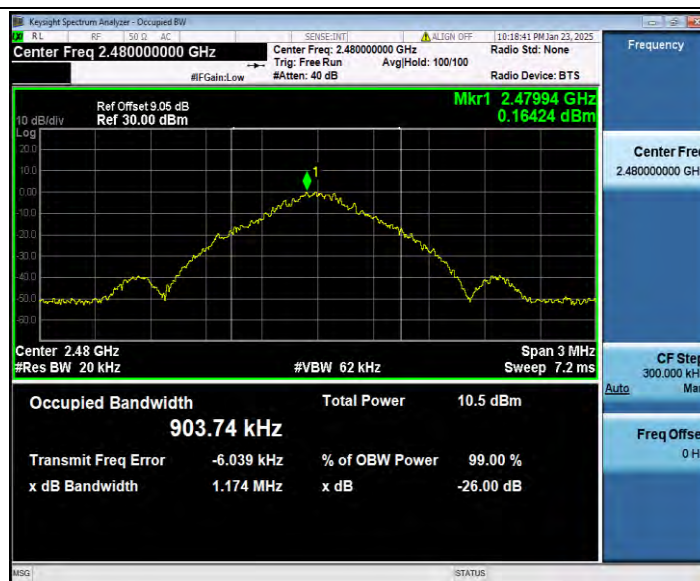
Appendix A.2: Occupied Channel Bandwidth

Test Result

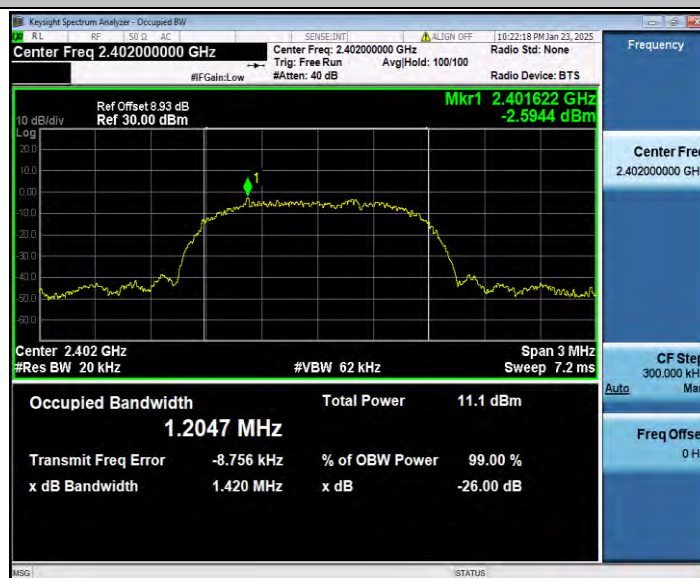
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant2	2402	0.88780	2401.5421	2402.4299	---	---
		2441	0.89329	2440.5420	2441.4353	---	---
		2480	0.90374	2479.5421	2480.4458	---	---
2DH1	Ant2	2402	1.2047	2401.3889	2402.5936	---	---
		2441	1.2029	2440.3907	2441.5936	---	---
		2480	1.2052	2479.3848	2480.5900	---	---
3DH1	Ant2	2402	1.2046	2401.3950	2402.5996	---	---
		2441	1.1908	2440.3978	2441.5886	---	---
		2480	1.1979	2479.3931	2480.5910	---	---

Test Graphs

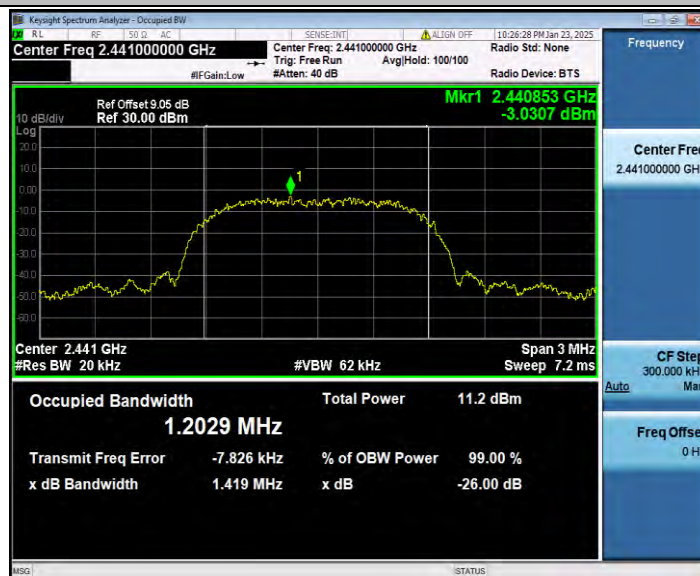




2DH1_Ant2_2402



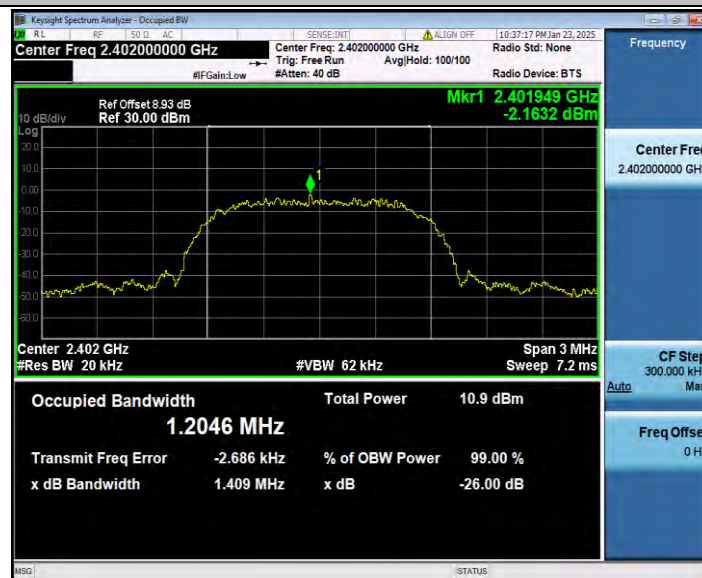
2DH1_Ant2_2441



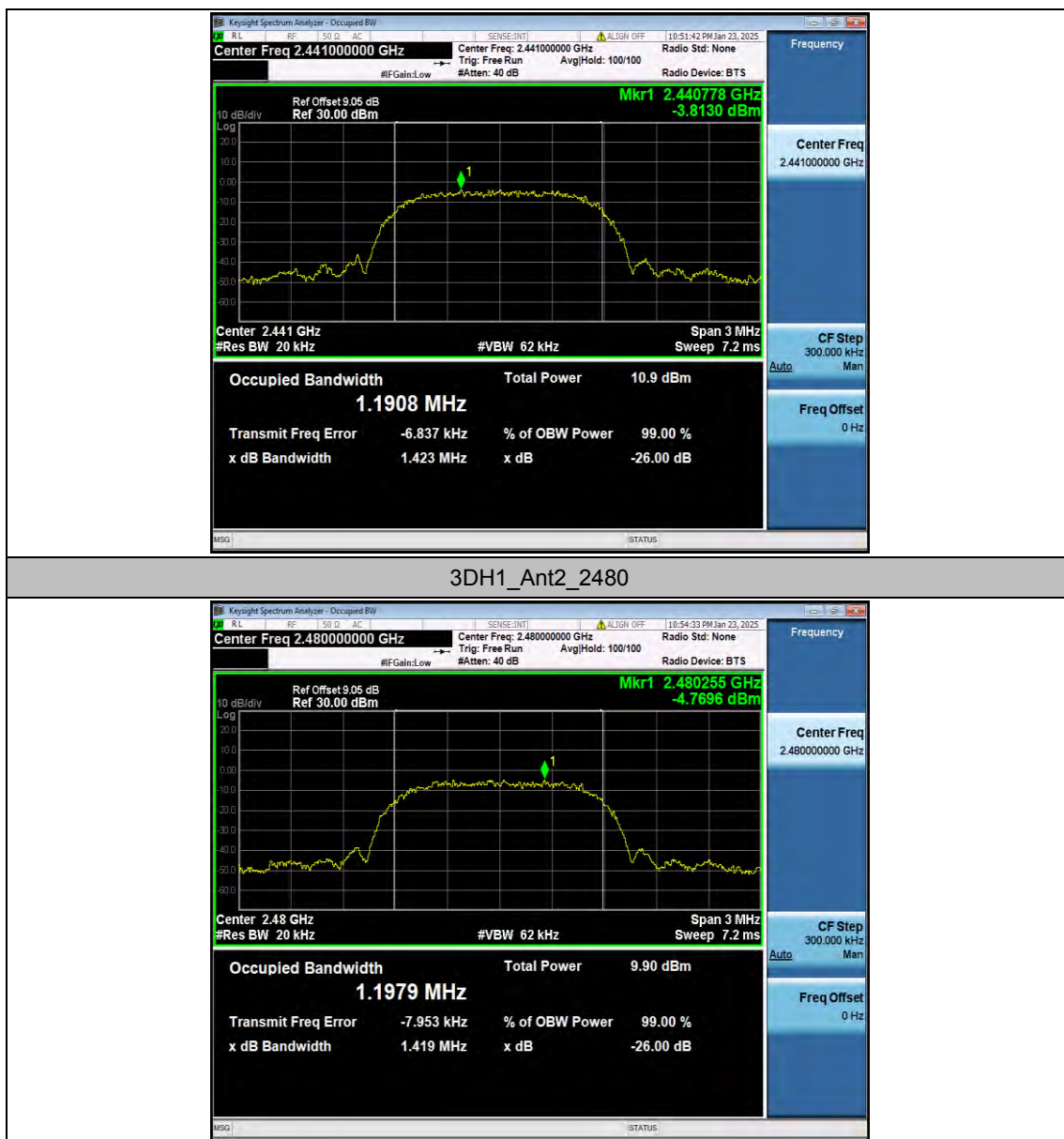
2DH1_Ant2_2480



3DH1_Ant2_2402



3DH1_Ant2_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	Ant2	2402	4.13	≤ 20.97	PASS
		2441	4.32	≤ 20.97	PASS
		2480	3.30	≤ 20.97	PASS
2DH1	Ant2	2402	5.77	≤ 20.97	PASS
		2441	6.00	≤ 20.97	PASS
		2480	5.07	≤ 20.97	PASS
3DH1	Ant2	2402	6.21	≤ 20.97	PASS
		2441	6.53	≤ 20.97	PASS
		2480	5.56	≤ 20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant2	Hop_2402	0.832	≥ 0.686	PASS
		Hop_2441	1.164	≥ 0.686	PASS
		Hop_2480	0.83	≥ 0.686	PASS
2DH1	Ant2	Hop_2402	1.224	≥ 0.912	PASS
		Hop_2441	0.982	≥ 0.912	PASS
		Hop_2480	1.012	≥ 0.912	PASS
3DH1	Ant2	Hop_2402	1.168	≥ 0.910	PASS
		Hop_2441	1.166	≥ 0.910	PASS
		Hop_2480	0.982	≥ 0.910	PASS

Test Graphs

DH1_Ant2_Hop_2402



DH1_Ant2_Hop_2441



DH1_Ant2_Hop_2480



2DH1_Ant2_Hop_2402



2DH1_Ant2_Hop_2441



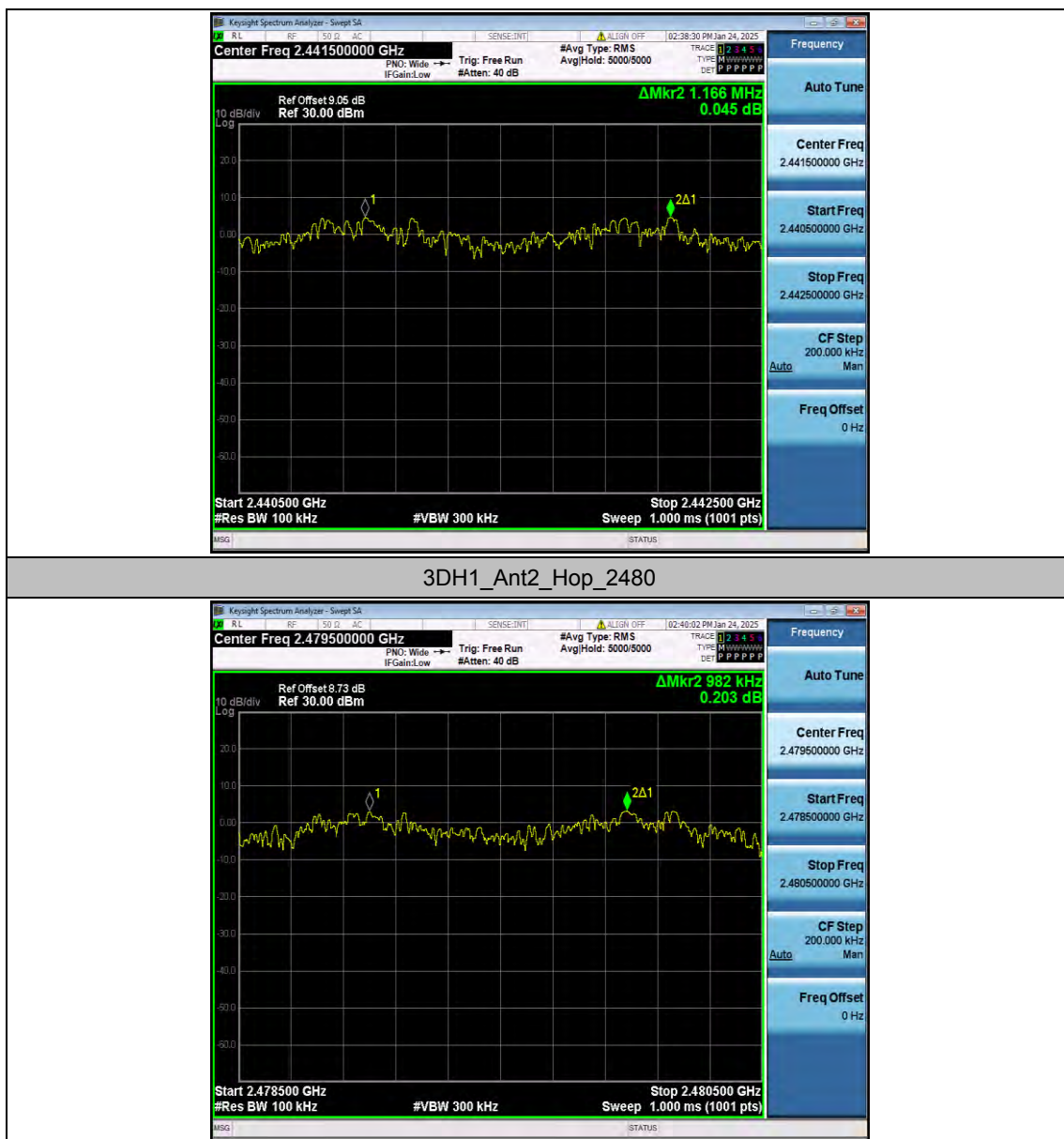
2DH1_Ant2_Hop_2480



3DH1_Ant2_Hop_2402



3DH1_Ant2_Hop_2441

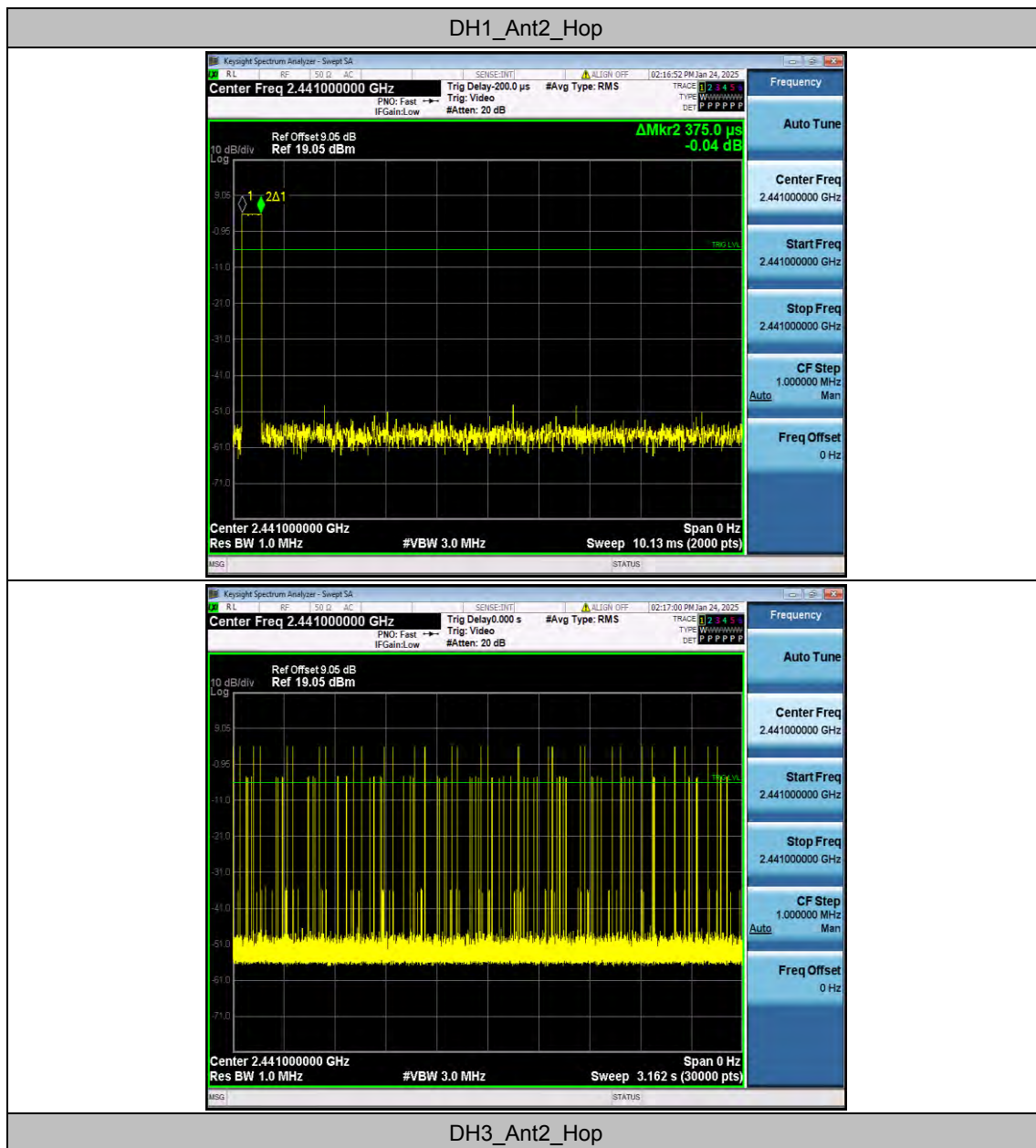


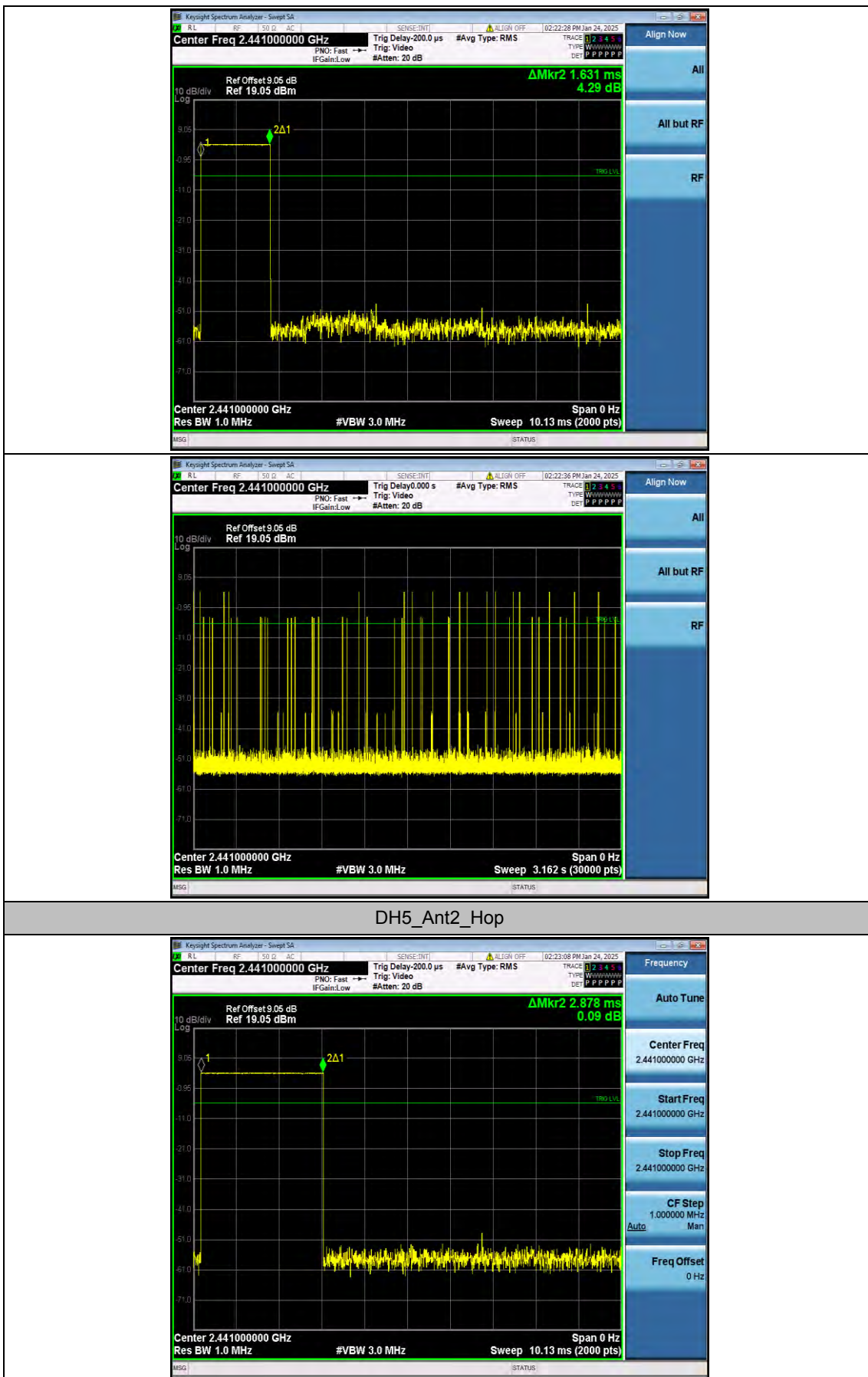
Appendix A.5: Time of occupancy

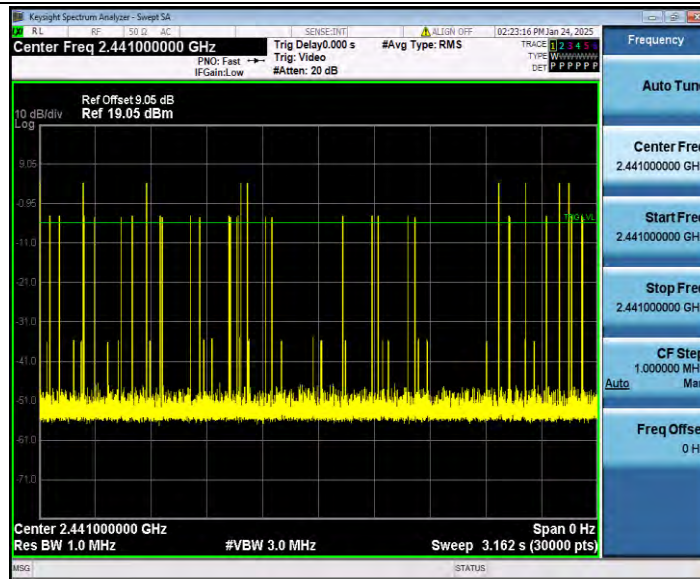
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant2	Hop	0.375	320	0.12	≤0.4	PASS
DH3	Ant2	Hop	1.631	170	0.277	≤0.4	PASS
DH5	Ant2	Hop	2.878	90	0.259	≤0.4	PASS
2DH1	Ant2	Hop	0.375	330	0.124	≤0.4	PASS
2DH3	Ant2	Hop	1.631	140	0.228	≤0.4	PASS
2DH5	Ant2	Hop	2.878	130	0.374	≤0.4	PASS
3DH1	Ant2	Hop	0.375	320	0.12	≤0.4	PASS
3DH3	Ant2	Hop	1.631	160	0.261	≤0.4	PASS
3DH5	Ant2	Hop	2.878	80	0.23	≤0.4	PASS

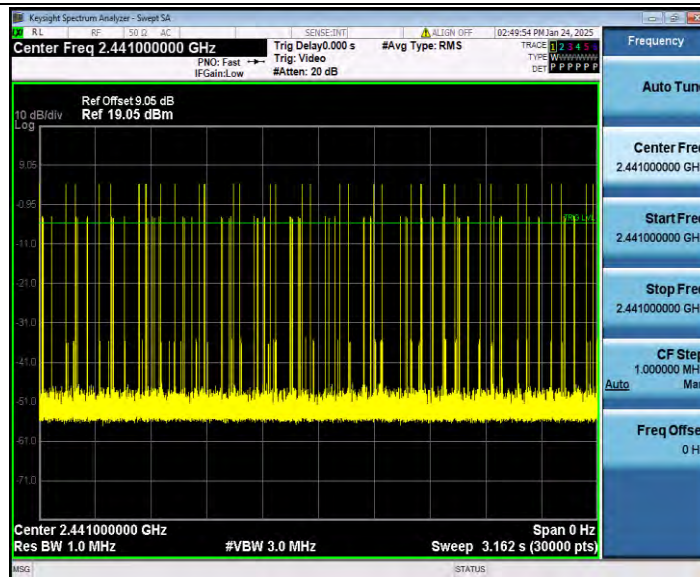
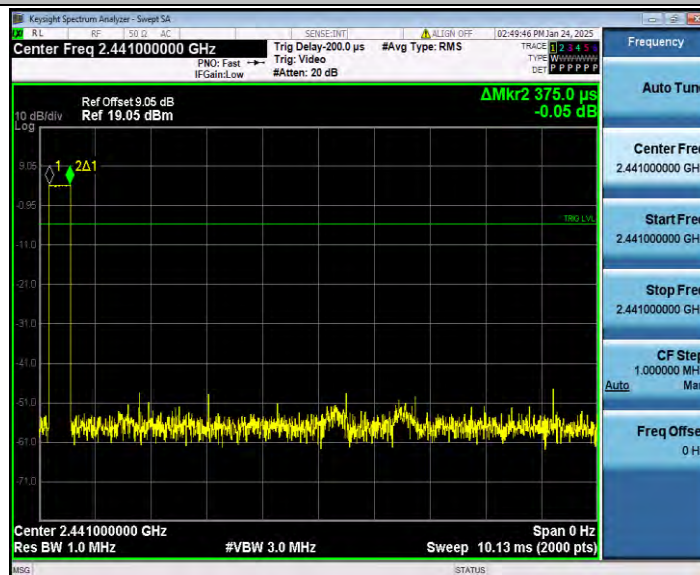
Test Graphs



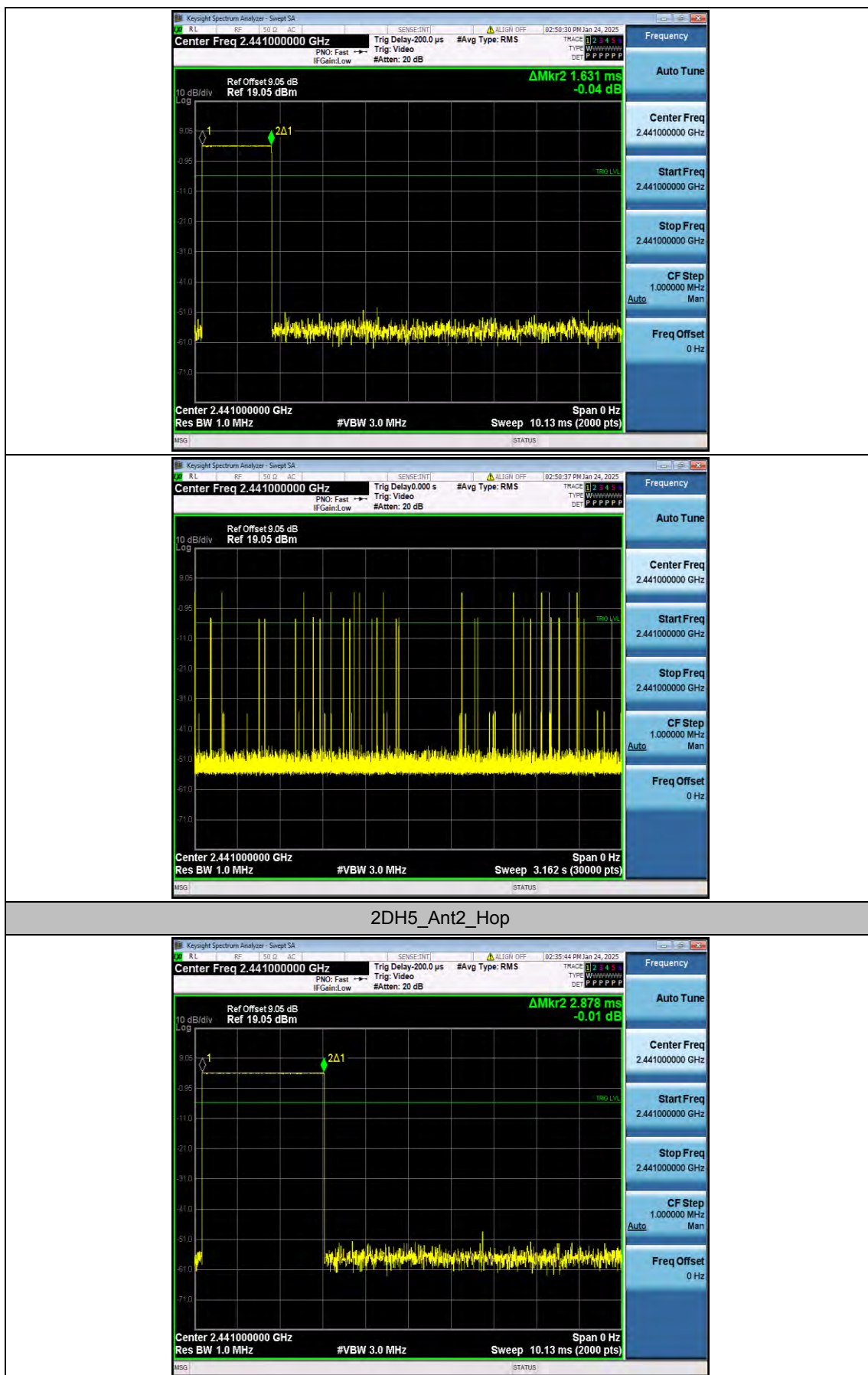


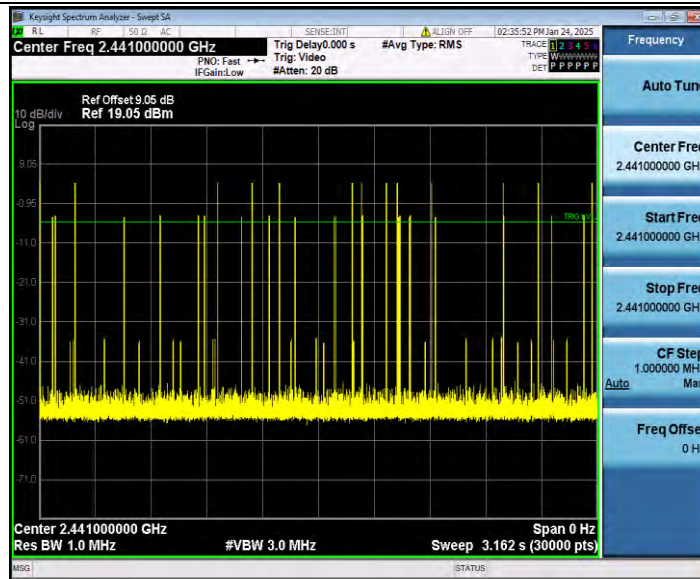


2DH1_Ant2_Hop

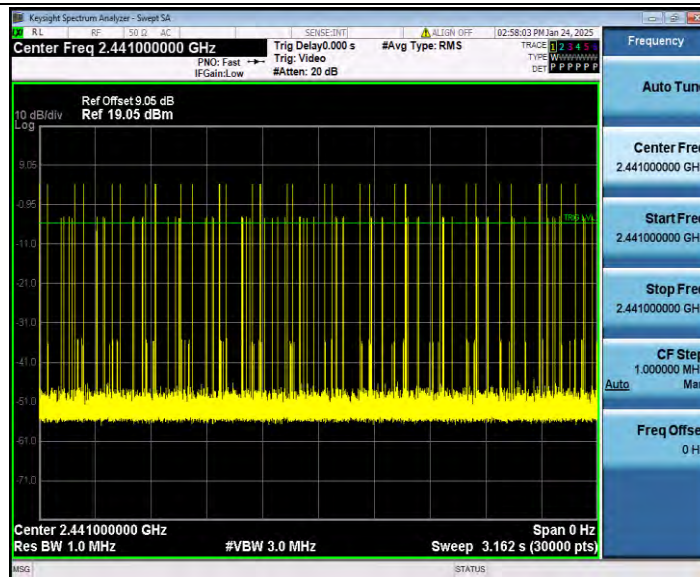
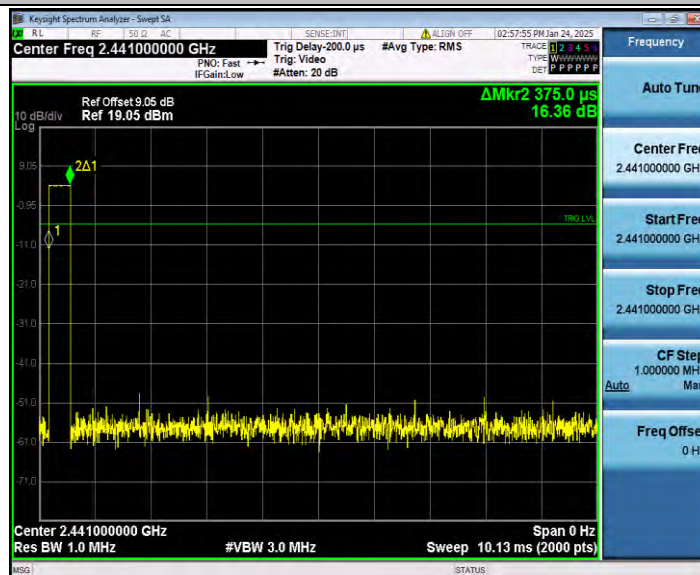


2DH3_Ant2_Hop

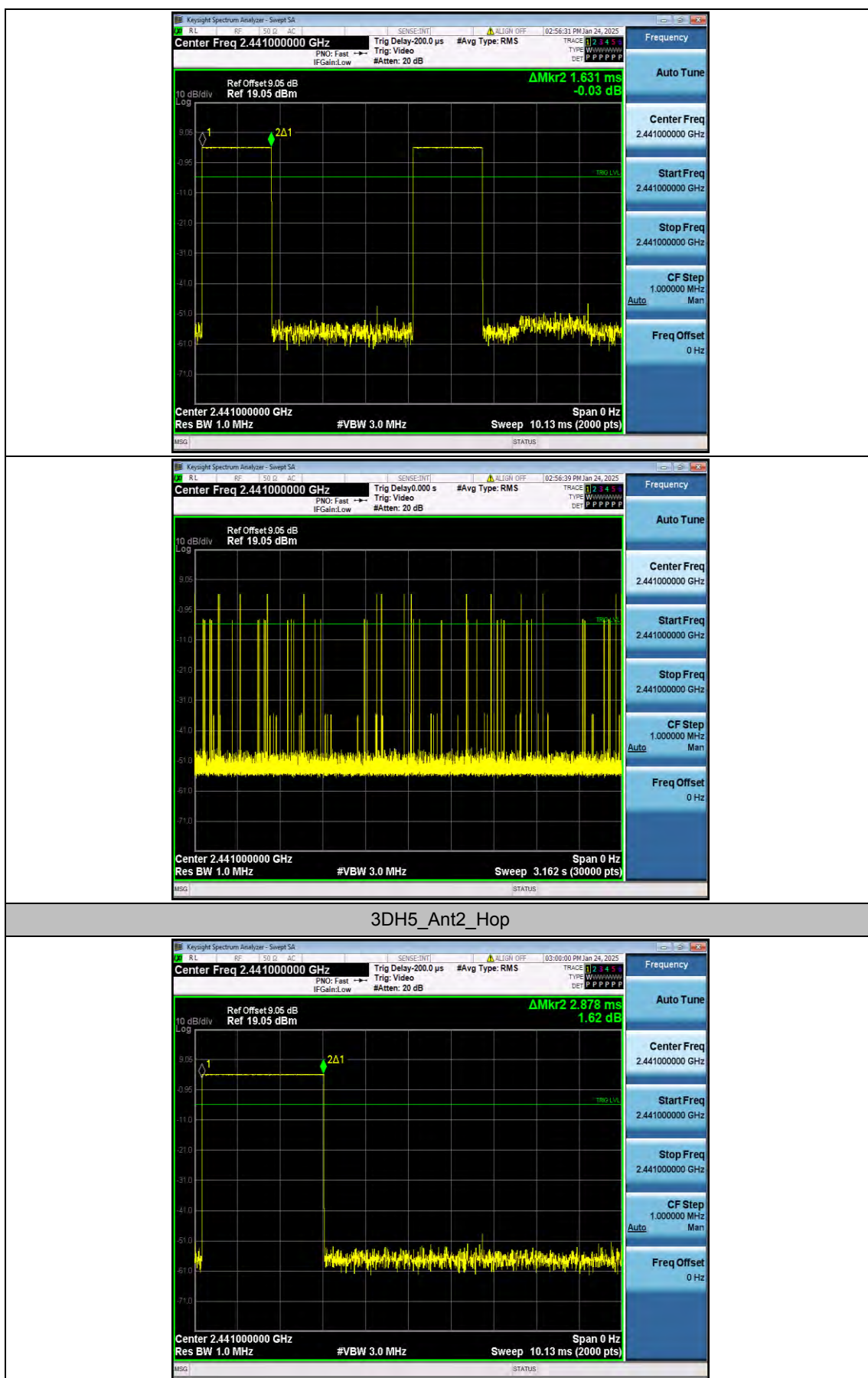


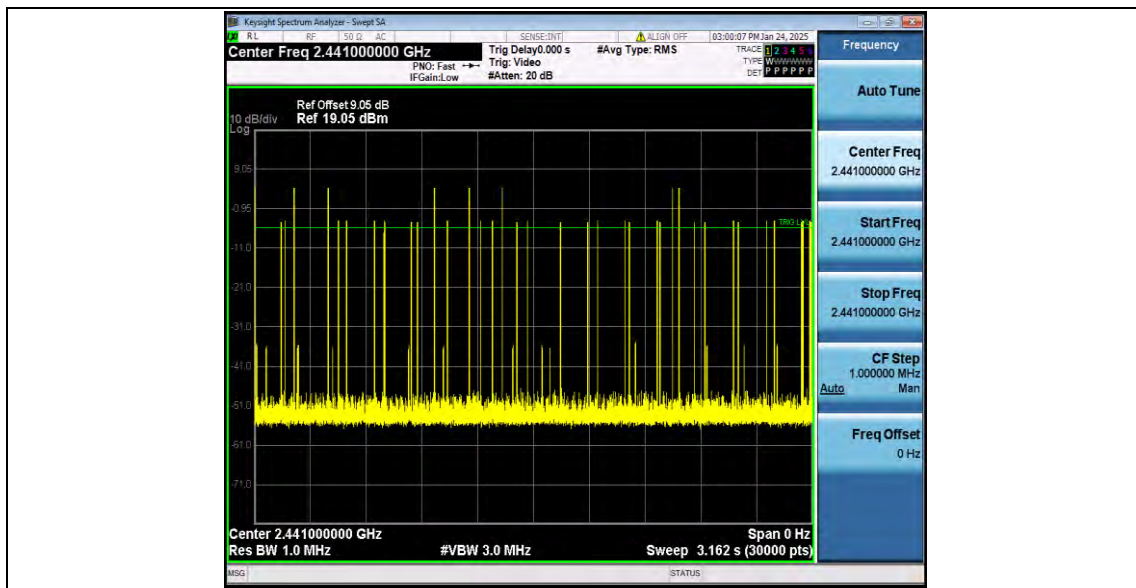


3DH1_Ant2_Hop



3DH3_Ant2_Hop



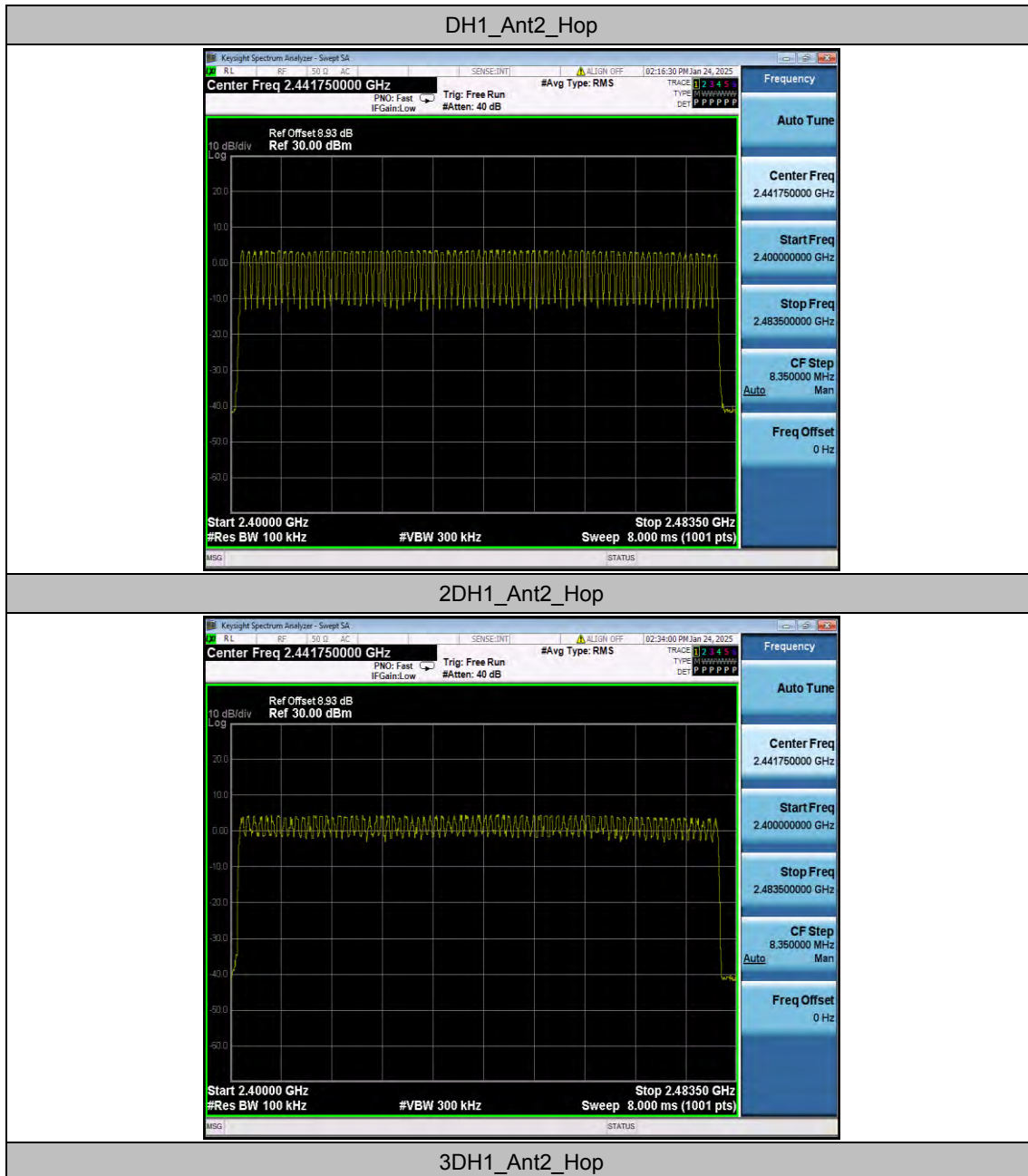


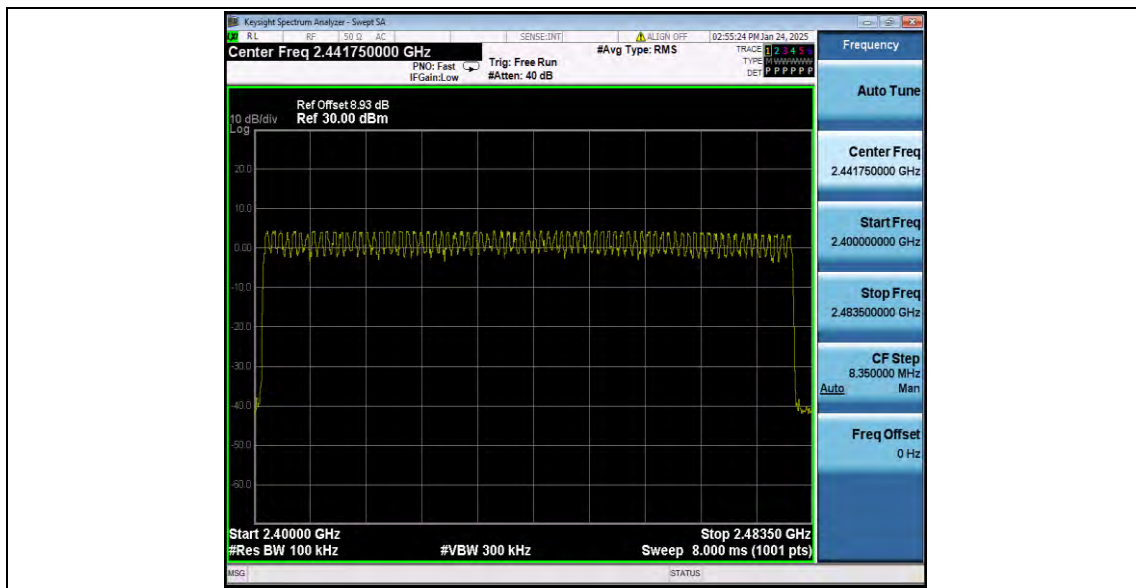
Appendix A.6: Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH1	Ant2	Hop	79	≥15	PASS
2DH1	Ant2	Hop	79	≥15	PASS
3DH1	Ant2	Hop	79	≥15	PASS

Test Graphs



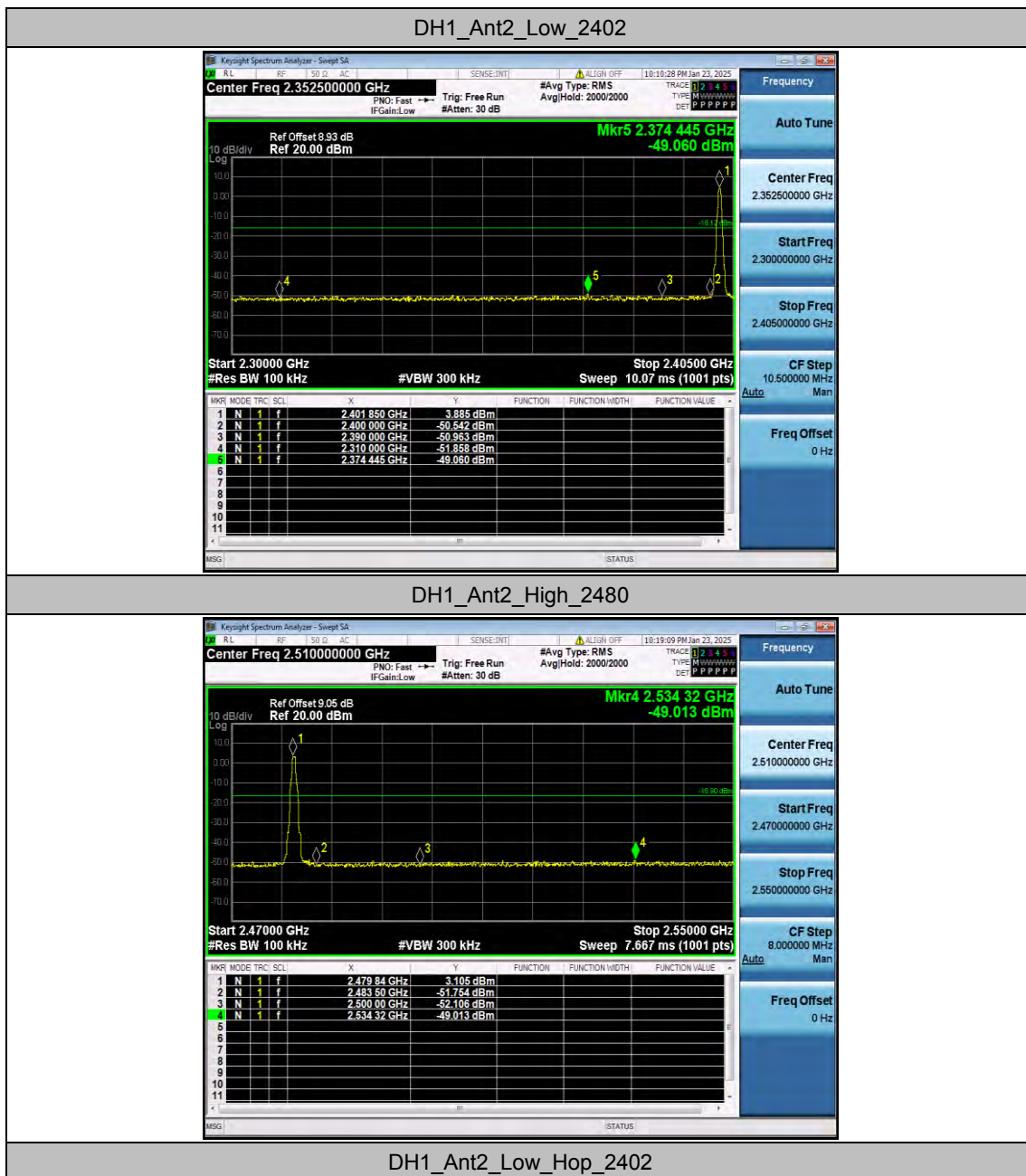


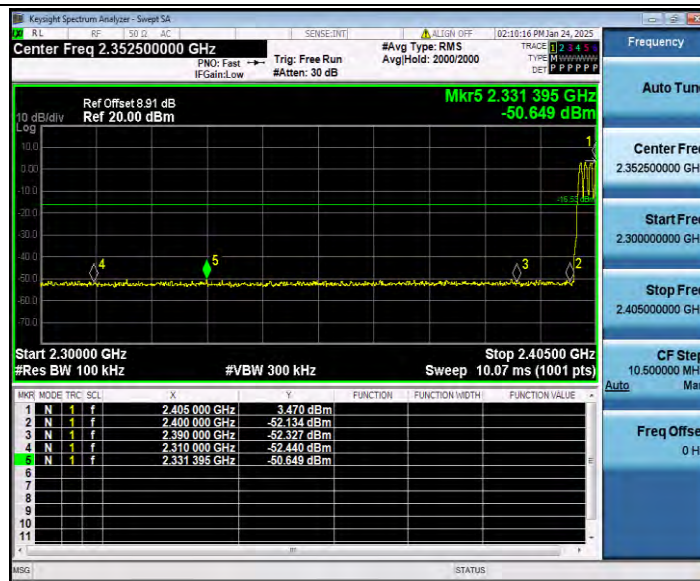
Appendix A.7: Band edge measurements

Test Result

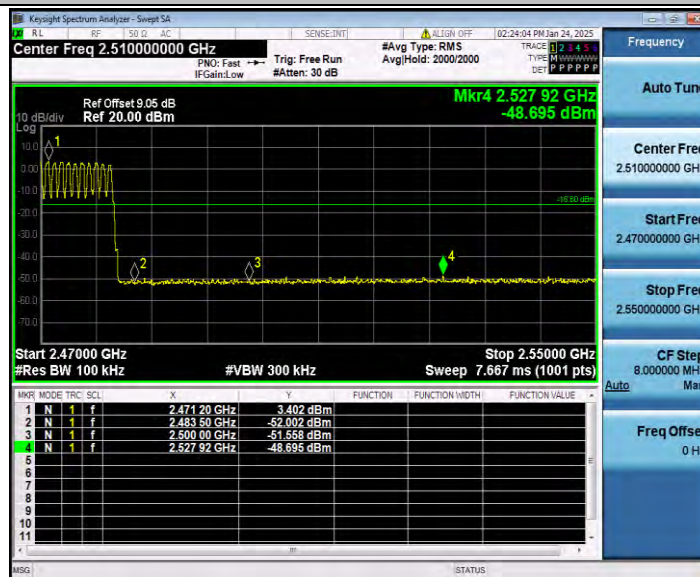
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant2	Low	2402	3.89	-49.06	≤ -16.12	PASS
		High	2480	3.11	-49.01	≤ -16.9	PASS
		Low	Hop_2402	3.47	-50.65	≤ -16.53	PASS
		High	Hop_2480	3.40	-48.7	≤ -16.6	PASS
2DH1	Ant2	Low	2402	2.58	-48.89	≤ -17.42	PASS
		High	2480	1.58	-48.55	≤ -18.43	PASS
		Low	Hop_2402	3.91	-48.8	≤ -16.09	PASS
		High	Hop_2480	3.48	-48.88	≤ -16.53	PASS
3DH1	Ant2	Low	2402	2.30	-49.52	≤ -17.7	PASS
		High	2480	1.67	-48.2	≤ -18.33	PASS
		Low	Hop_2402	4.25	-49.81	≤ -15.75	PASS
		High	Hop_2480	3.50	-48.67	≤ -16.5	PASS

Test Graphs

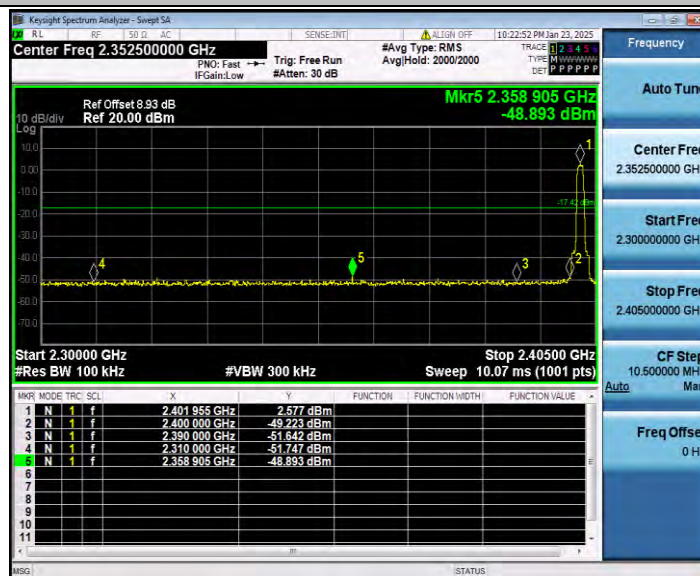




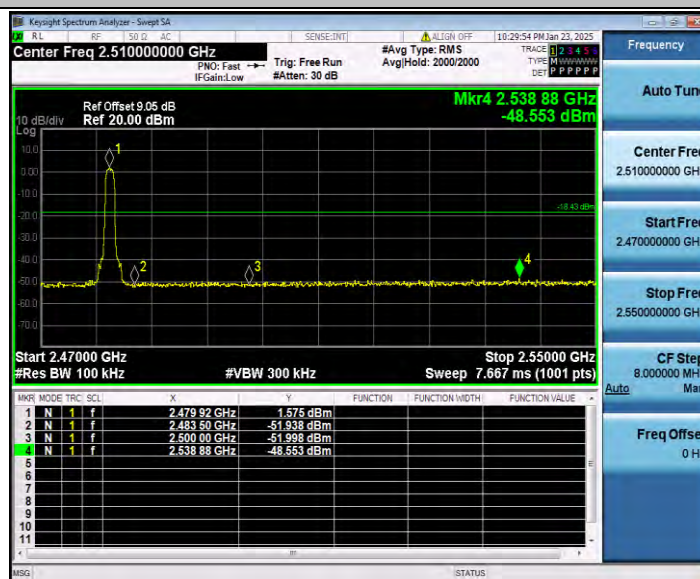
DH1_Ant2_High_Hop_2480



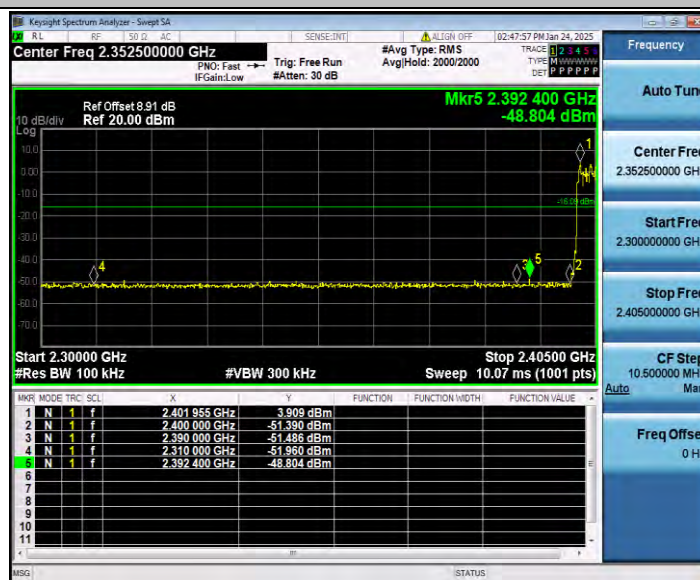
2DH1_Ant2_Low_2402



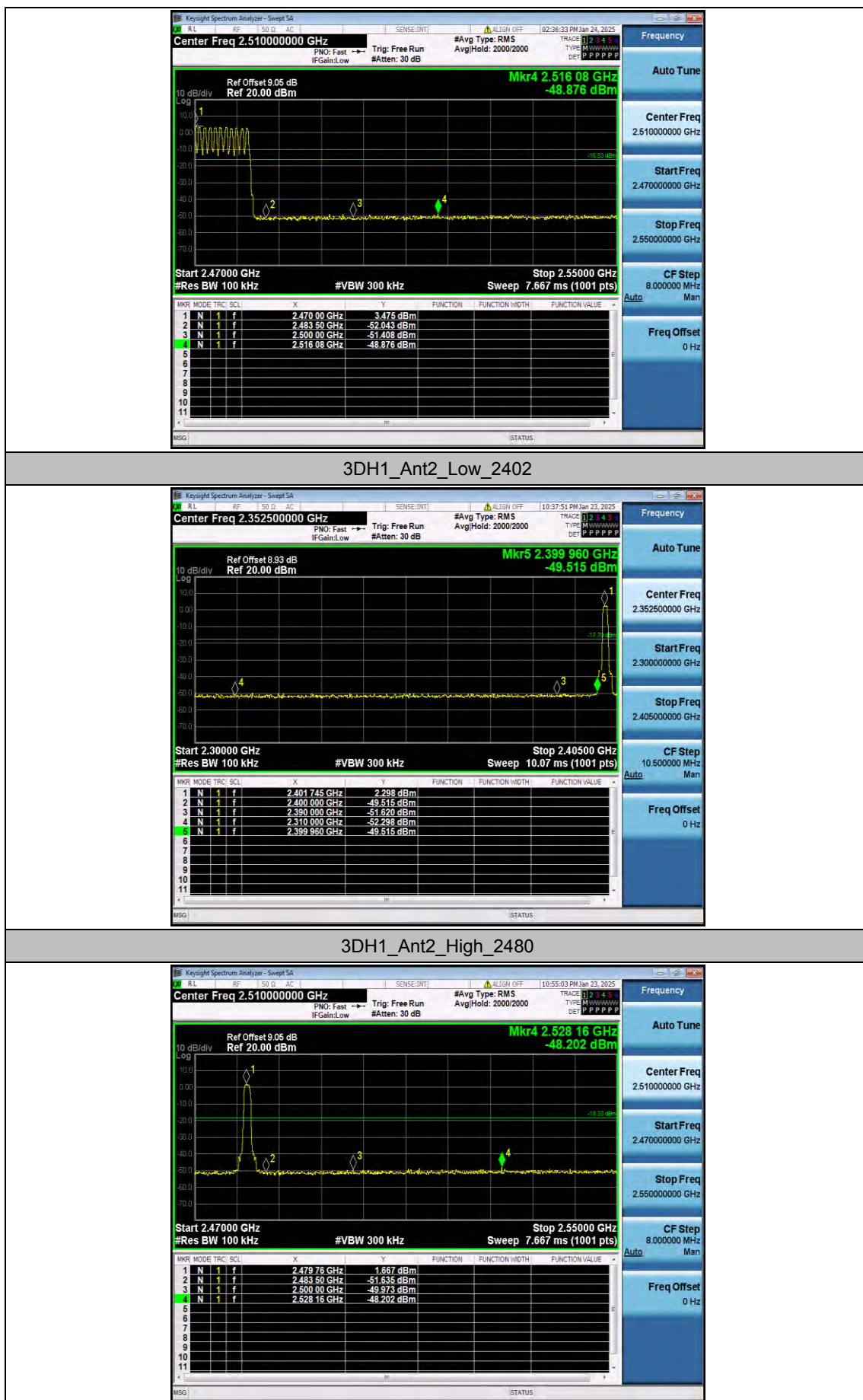
2DH1_Ant2_High_2480



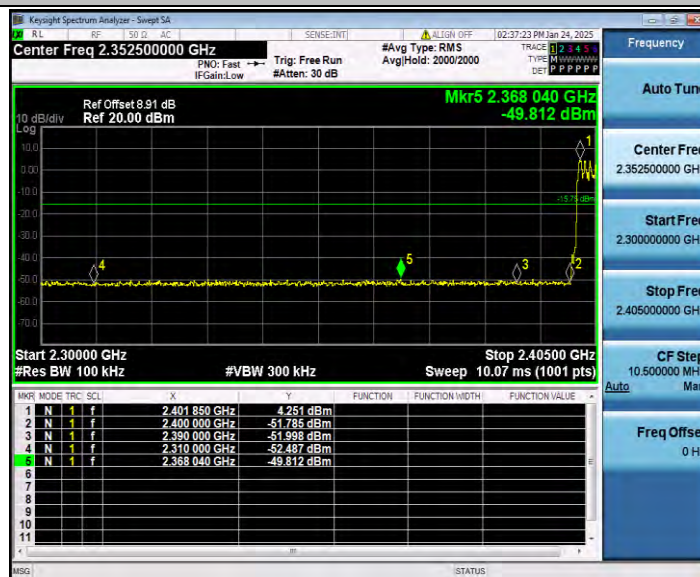
2DH1_Ant2_Low_Hop_2402



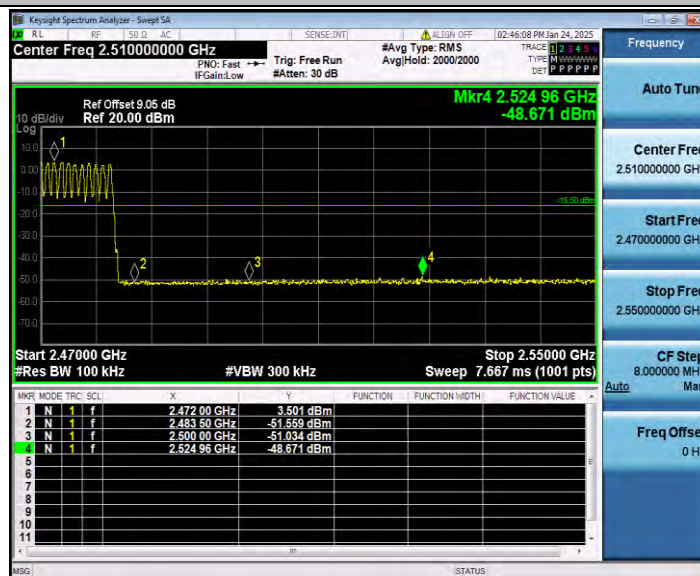
2DH1_Ant2_High_Hop_2480



3DH1_Ant2_Low_Hop_2402



3DH1_Ant2_High_Hop_2480

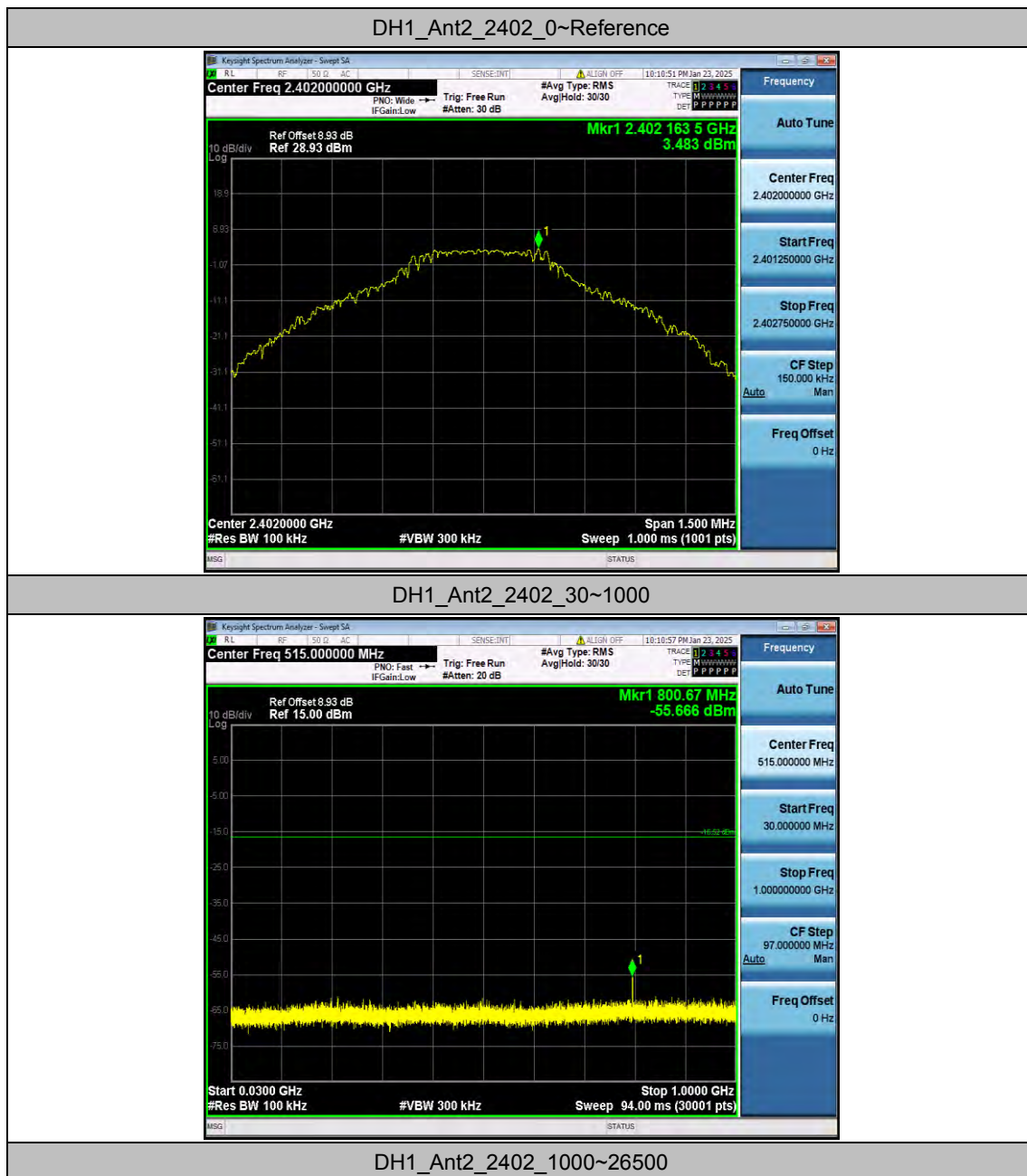


Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant2	2402	Reference	3.48	3.48	---	PASS
			30~1000	3.48	-55.67	≤-16.52	PASS
			1000~26500	3.48	-47.55	≤-16.52	PASS
		2441	Reference	3.51	3.51	---	PASS
			30~1000	3.51	-55.36	≤-16.49	PASS
			1000~26500	3.51	-47.64	≤-16.49	PASS
		2480	Reference	2.76	2.76	---	PASS
			30~1000	2.76	-54.77	≤-17.24	PASS
			1000~26500	2.76	-48.12	≤-17.24	PASS
2DH1	Ant2	2402	Reference	1.79	1.79	---	PASS
			30~1000	1.79	-57.26	≤-18.21	PASS
			1000~26500	1.79	-47.2	≤-18.21	PASS
		2441	Reference	1.30	1.30	---	PASS
			30~1000	1.30	-57.08	≤-18.7	PASS
			1000~26500	1.30	-47.93	≤-18.7	PASS
		2480	Reference	1.52	1.52	---	PASS
			30~1000	1.52	-57.57	≤-18.48	PASS
			1000~26500	1.52	-48.05	≤-18.48	PASS
3DH1	Ant2	2402	Reference	1.47	1.47	---	PASS
			30~1000	1.47	-57.7	≤-18.53	PASS
			1000~26500	1.47	-47.39	≤-18.53	PASS
		2441	Reference	2.08	2.08	---	PASS
			30~1000	2.08	-55.67	≤-17.92	PASS
			1000~26500	2.08	-48.16	≤-17.92	PASS
		2480	Reference	0.19	0.19	---	PASS
			30~1000	0.19	-57.42	≤-19.81	PASS
			1000~26500	0.19	-47.49	≤-19.81	PASS

Test Graphs

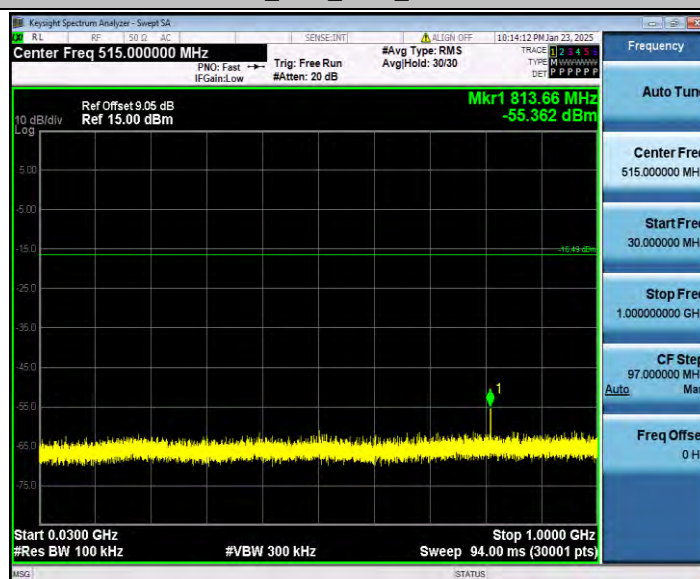




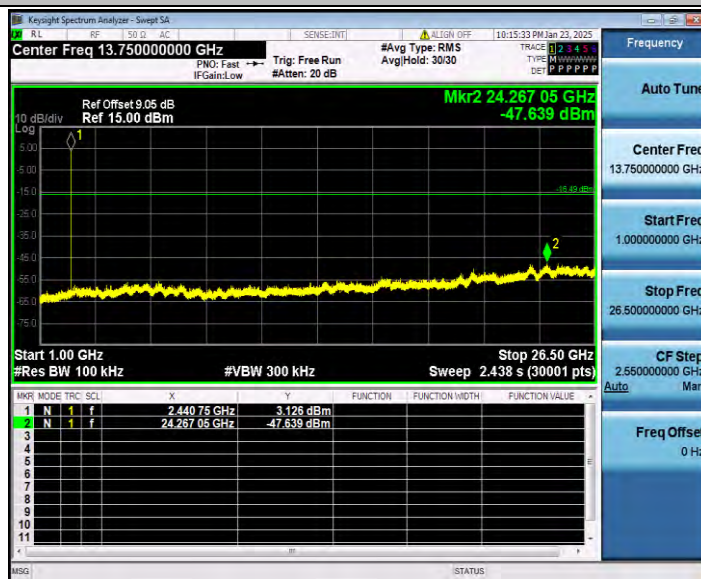
DH1_Ant2_2441_0~Reference



DH1_Ant2_2441_30~1000



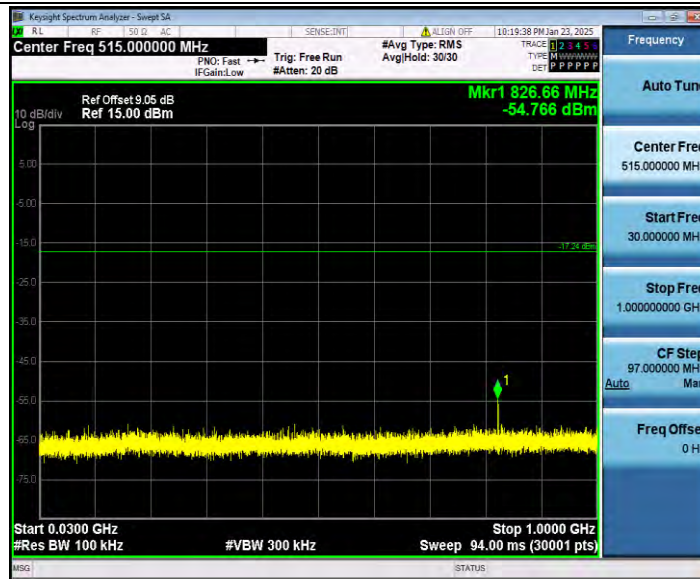
DH1_Ant2_2441_1000~26500



DH1_Ant2_2480_0~Reference



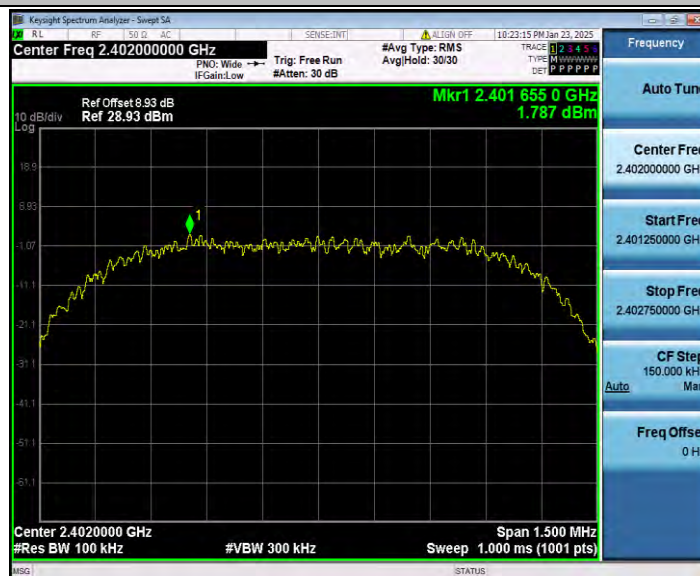
DH1_Ant2_2480_30~1000

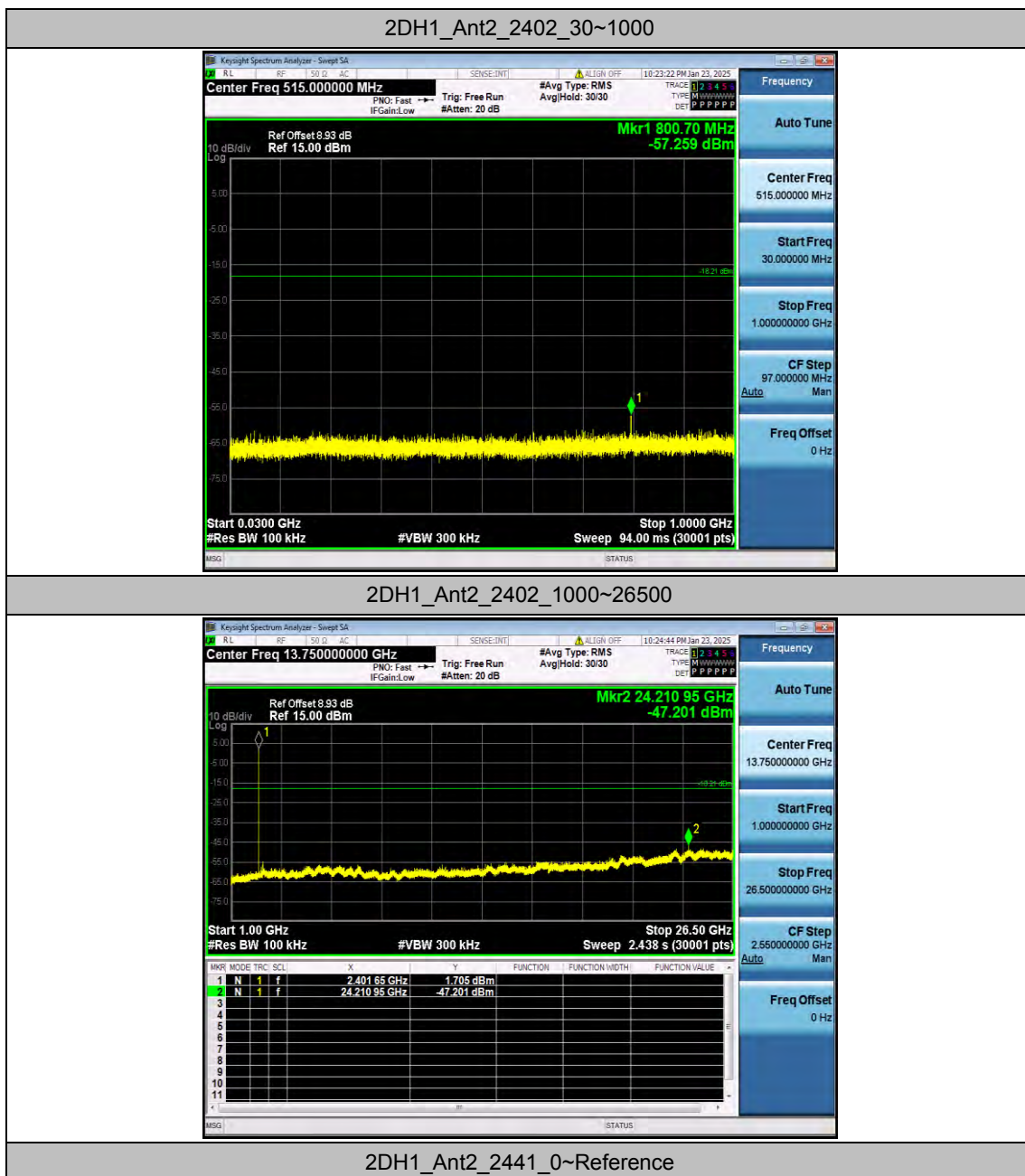


DH1_Ant2_2480_1000~26500



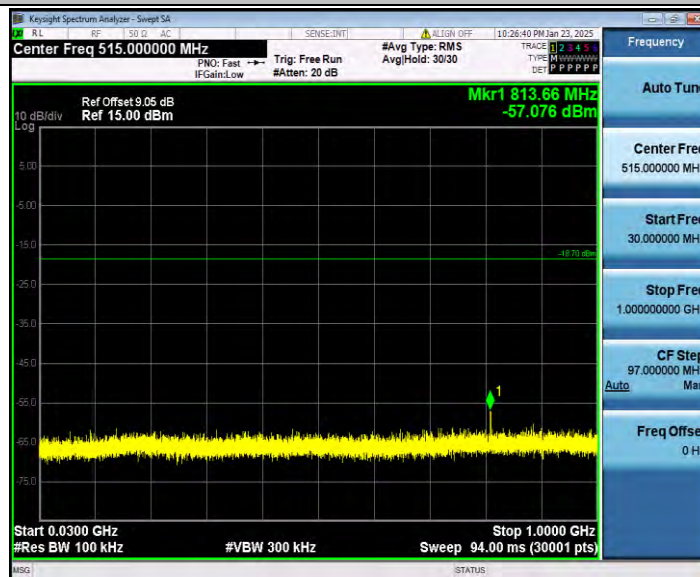
2DH1_Ant2_2402_0~Reference







2DH1_Ant2_2441_30~1000



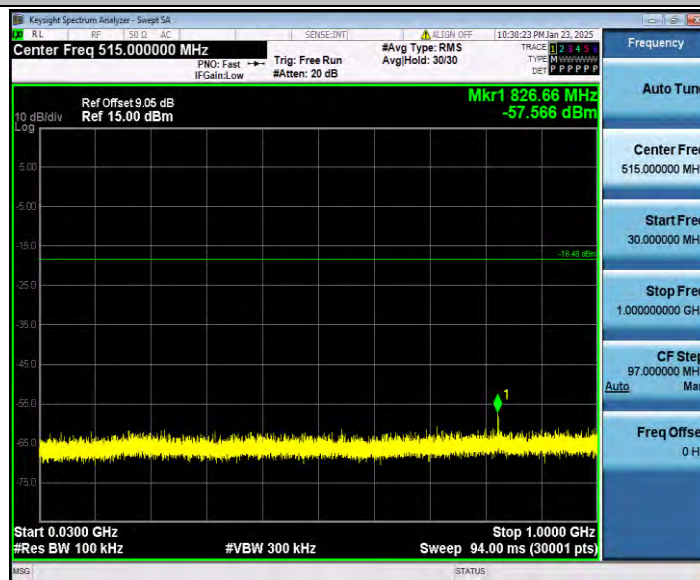
2DH1_Ant2_2441_1000~26500



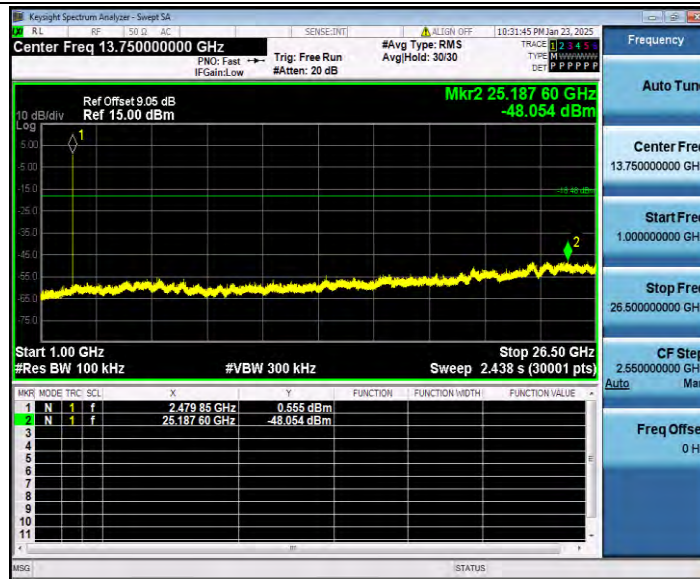
2DH1_Ant2_2480_0~Reference



2DH1_Ant2_2480_30~1000



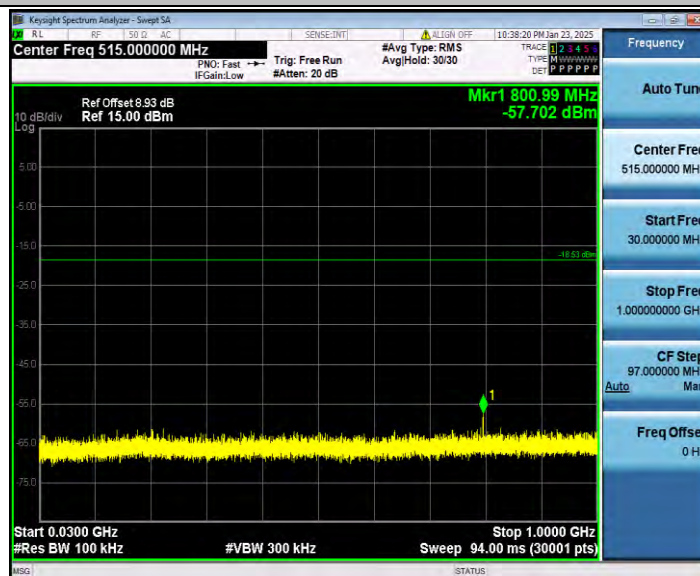
2DH1_Ant2_2480_1000~26500



3DH1_Ant2_2402_0~Reference



3DH1_Ant2_2402_30~1000



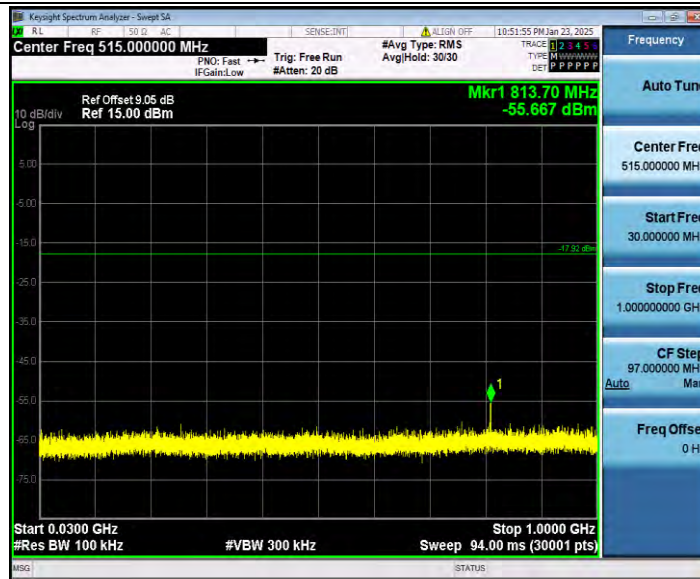
3DH1_Ant2_2402_1000~26500



3DH1_Ant2_2441_0~Reference



3DH1_Ant2_2441_30~1000



3DH1_Ant2_2441_1000~26500



3DH1_Ant2_2480_0~Reference



