

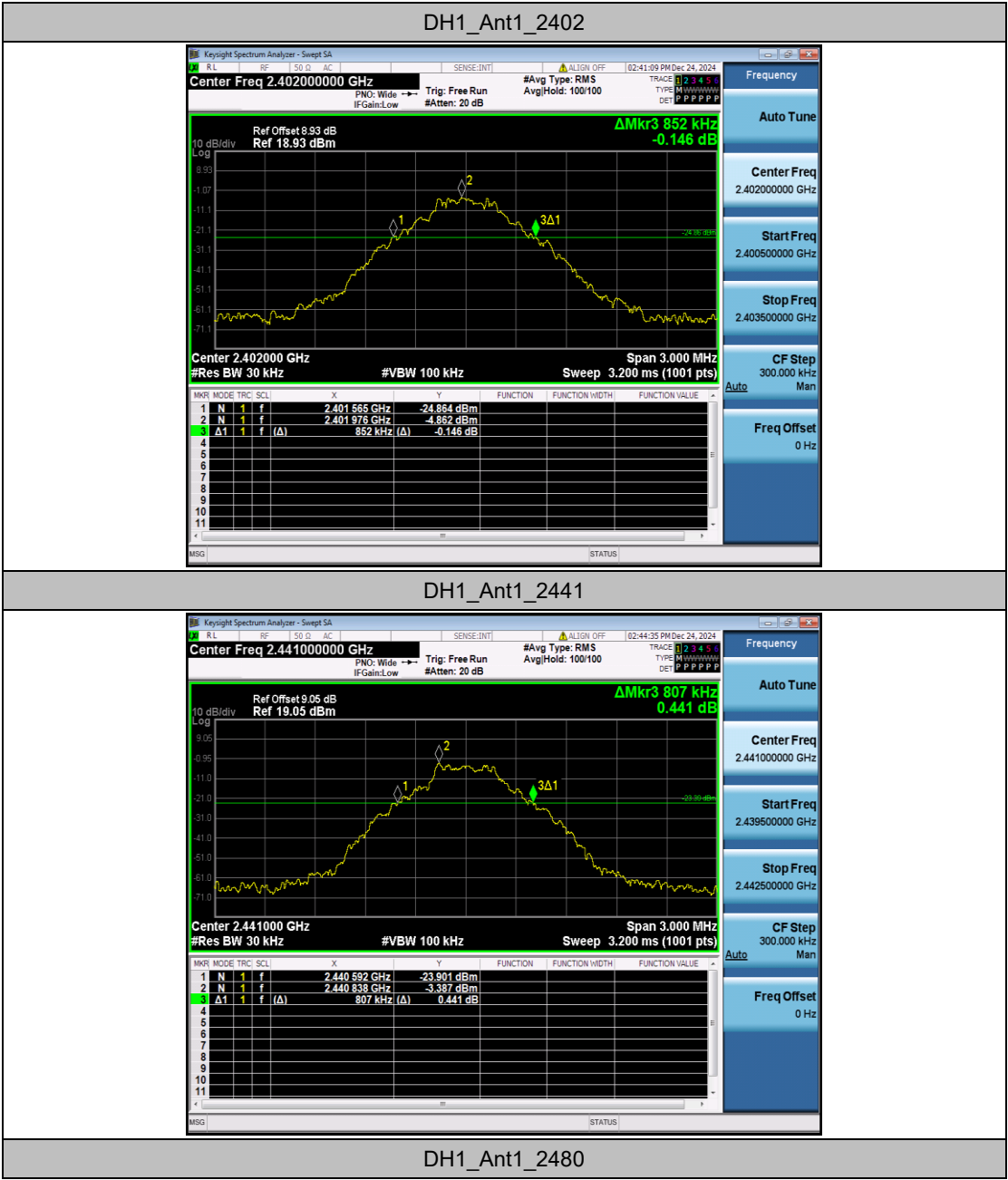
Case No. : <u>GTS20241215003-1-01</u>	
Ambient Condition: <u>22</u> °C, <u>48</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2024.12.20</u>	Test Engineer: <u>Evan ouyang</u>

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	0.852	2401.565	2402.417	---	---
		2441	0.807	2440.592	2441.399	---	---
		2480	0.837	2479.568	2480.405	---	---
2DH1	Ant1	2402	1.224	2401.373	2402.597	---	---
		2441	1.245	2440.379	2441.624	---	---
		2480	1.248	2479.364	2480.612	---	---
3DH1	Ant1	2402	1.227	2401.394	2402.621	---	---
		2441	1.224	2440.400	2441.624	---	---
		2480	1.212	2479.406	2480.618	---	---

Test Graphs





2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480

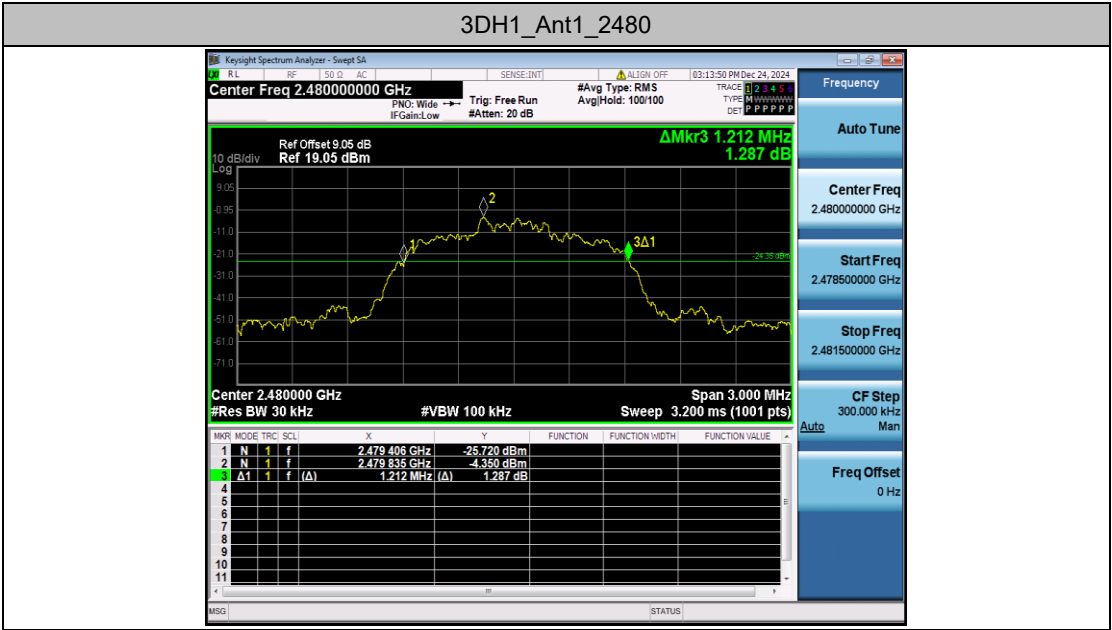


3DH1_Ant1_2402



3DH1_Ant1_2441



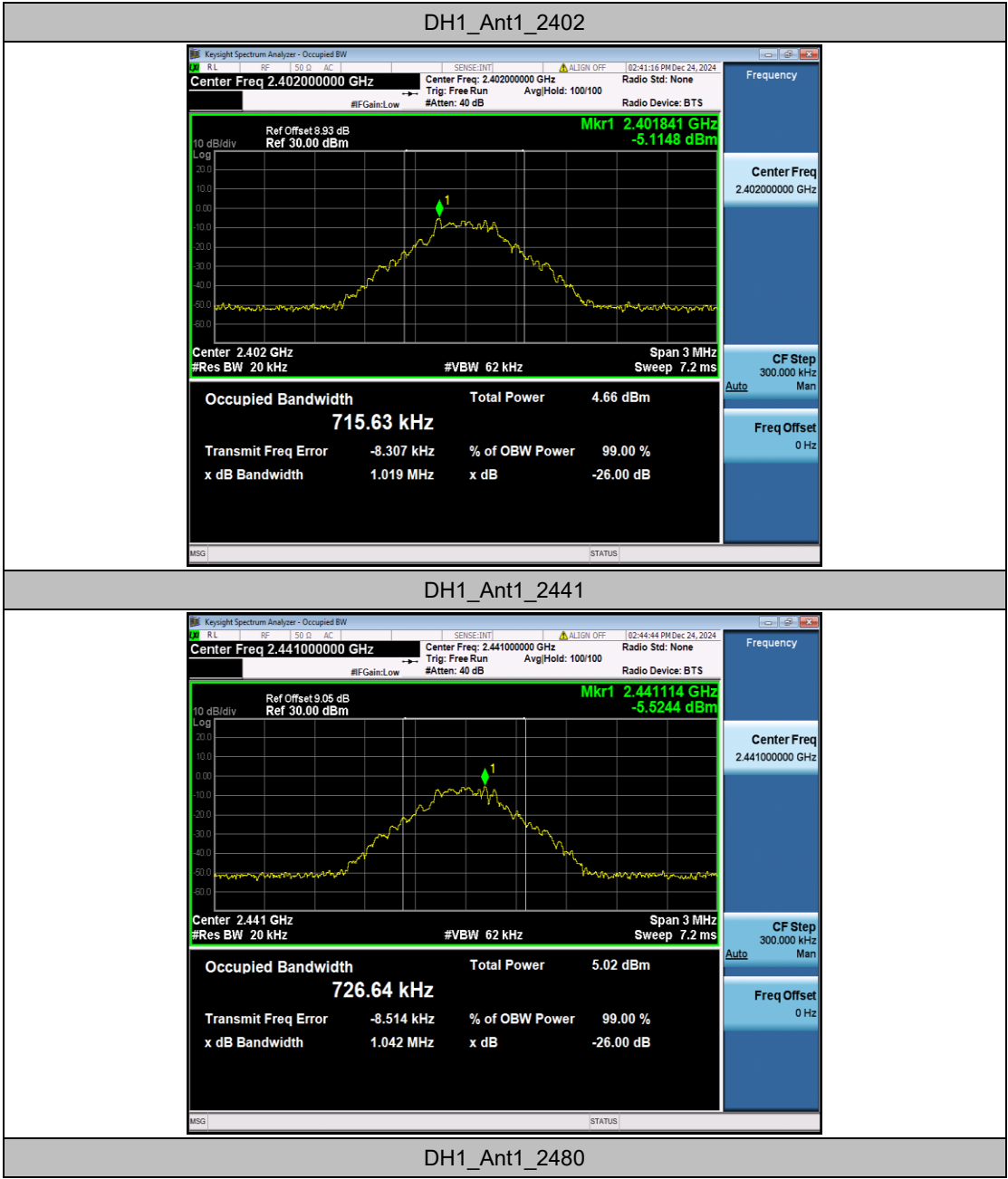


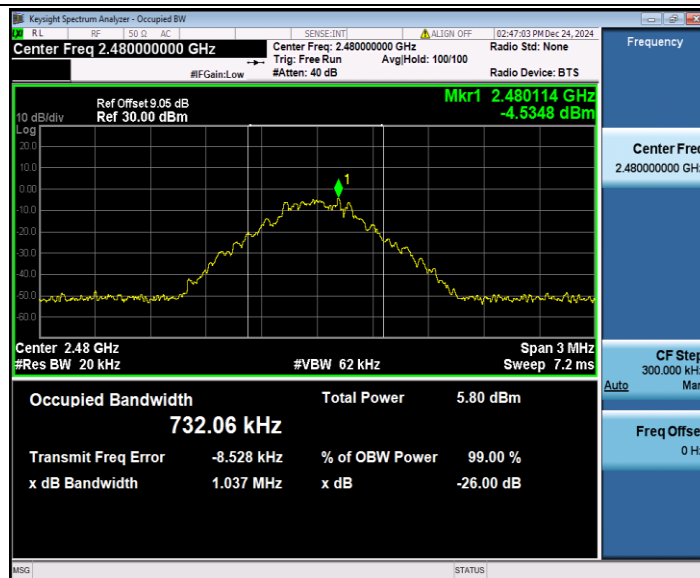
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.71563	2401.6339	2402.3495	---	---
		2441	0.72664	2440.6282	2441.3548	---	---
		2480	0.73206	2479.6254	2480.3575	---	---
2DH1	Ant1	2402	1.1470	2401.4222	2402.5692	---	---
		2441	1.1319	2440.4322	2441.5641	---	---
		2480	1.1382	2479.4275	2480.5657	---	---
3DH1	Ant1	2402	1.1470	2401.4336	2402.5806	---	---
		2441	1.1386	2440.4380	2441.5766	---	---
		2480	1.1413	2479.4374	2480.5787	---	---

Test Graphs





2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480

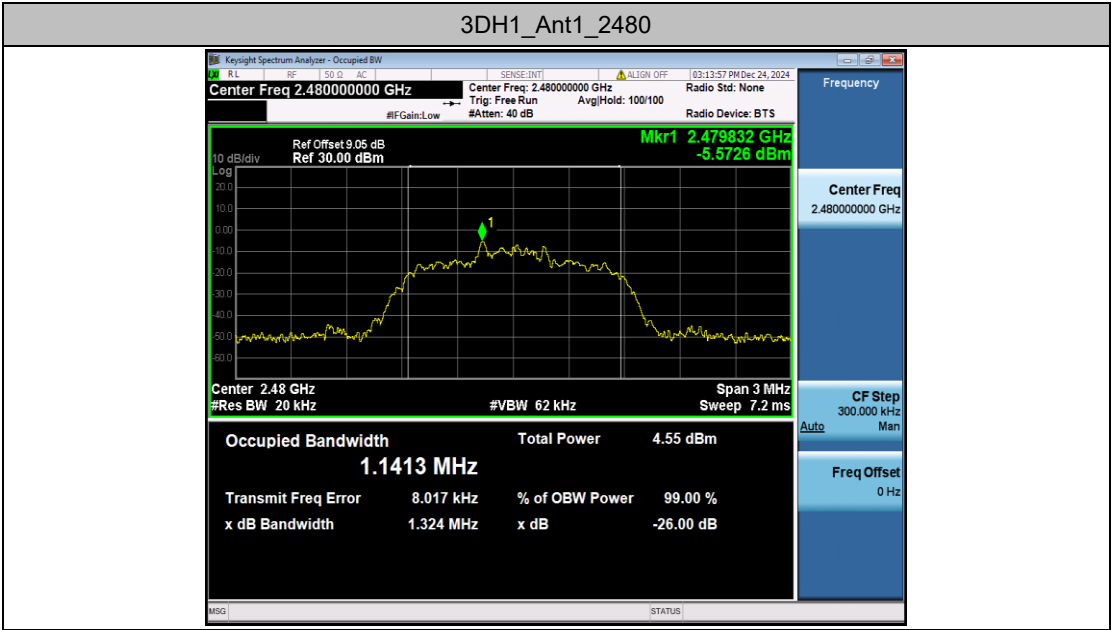


3DH1_Ant1_2402



3DH1_Ant1_2441





Appendix A.3: Maximum conducted output power

Test Result Peak

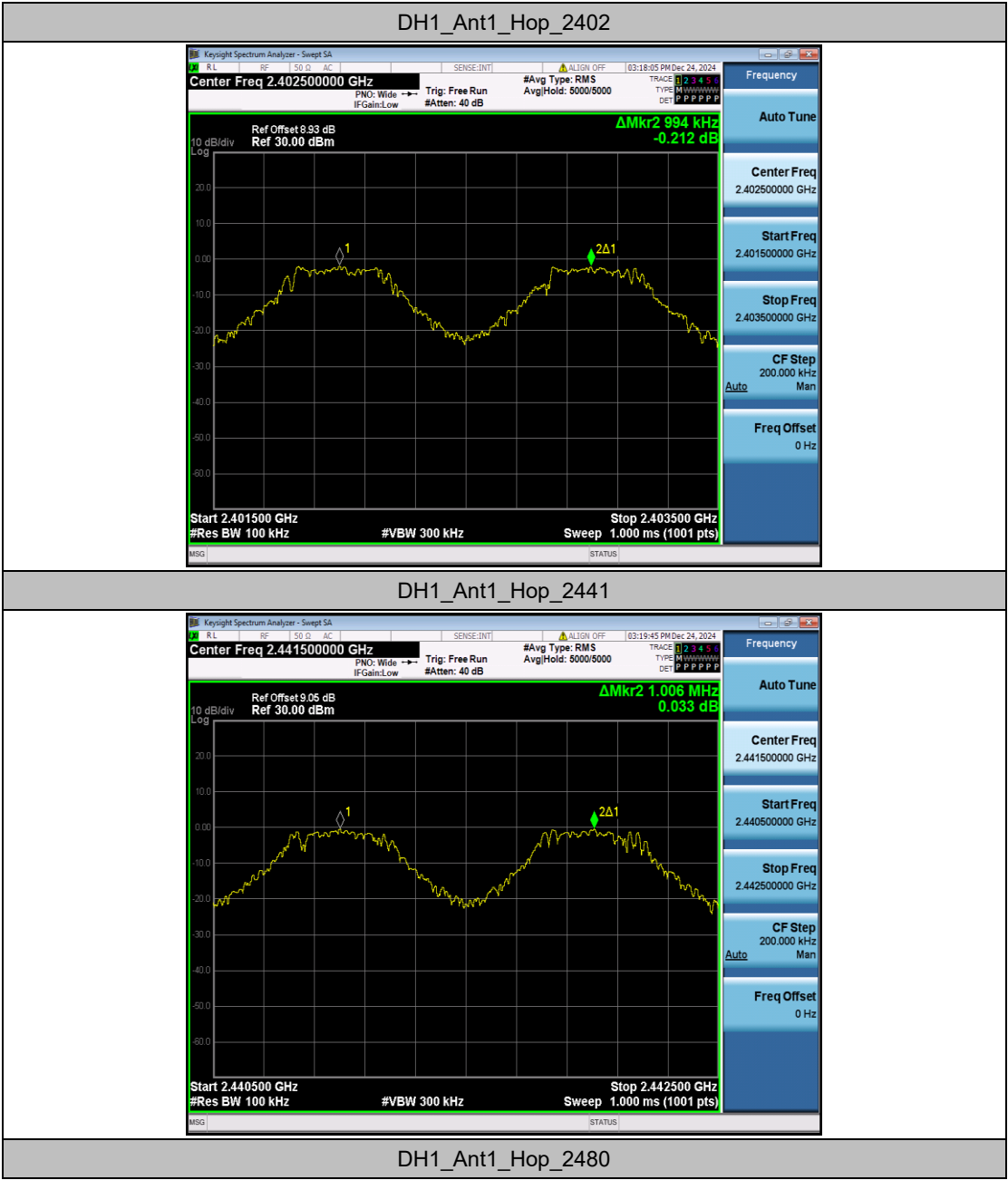
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	-1.07	≤20.97	PASS
		2441	-0.12	≤20.97	PASS
		2480	0.50	≤20.97	PASS
2DH1	Ant1	2402	-1.85	≤20.97	PASS
		2441	-1.21	≤20.97	PASS
		2480	-0.22	≤20.97	PASS
3DH1	Ant1	2402	-1.95	≤20.97	PASS
		2441	-1.26	≤20.97	PASS
		2480	-0.54	≤20.97	PASS

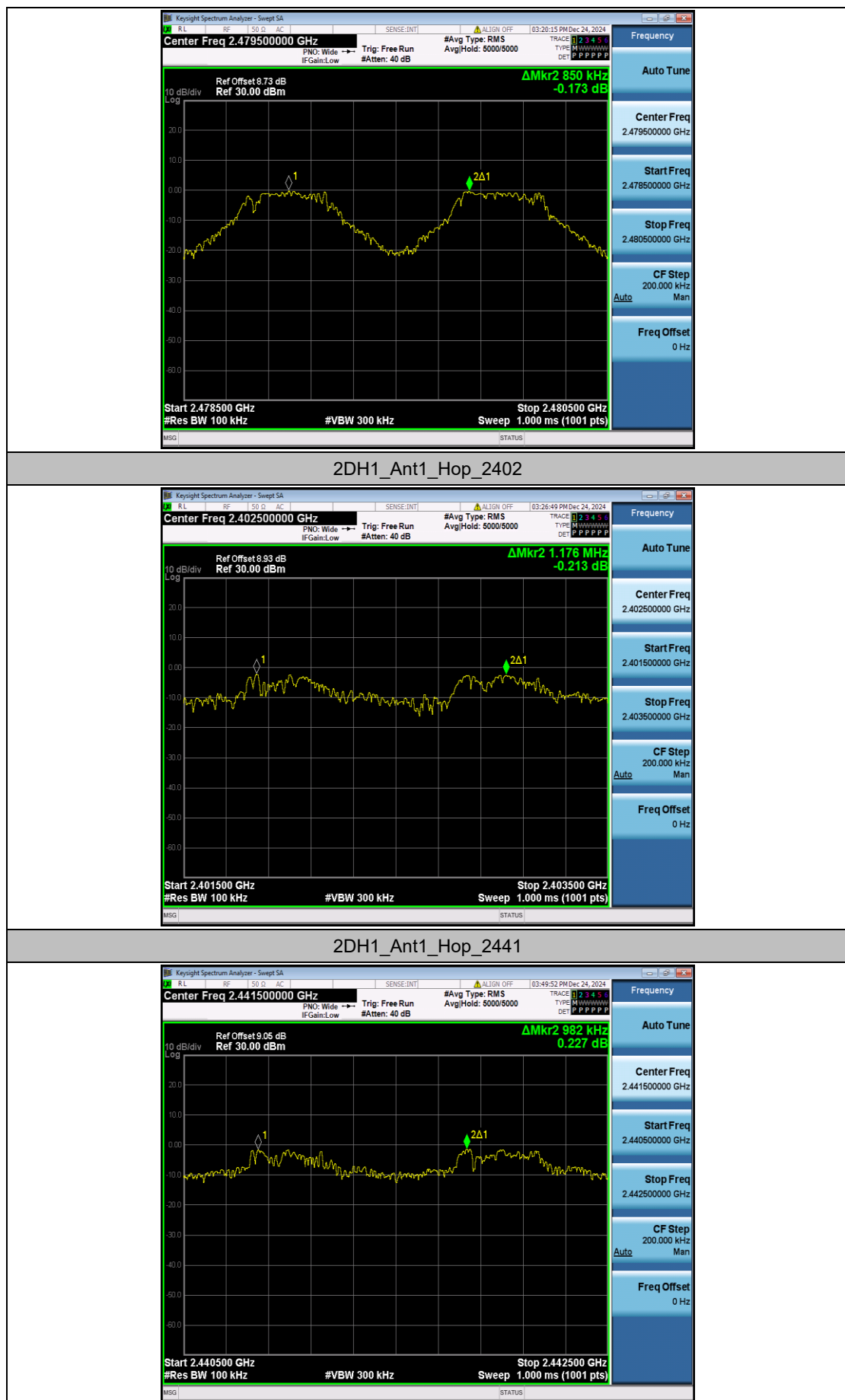
Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	0.994	≥ 0.852	PASS
		Hop_2441	1.006	≥ 0.852	PASS
		Hop_2480	0.85	≥ 0.568	PASS
2DH1	Ant1	Hop_2402	1.176	≥ 0.832	PASS
		Hop_2441	0.982	≥ 0.832	PASS
		Hop_2480	1.168	≥ 0.832	PASS
3DH1	Ant1	Hop_2402	1.16	≥ 0.818	PASS
		Hop_2441	0.856	≥ 0.818	PASS
		Hop_2480	0.986	≥ 0.818	PASS

Test Graphs





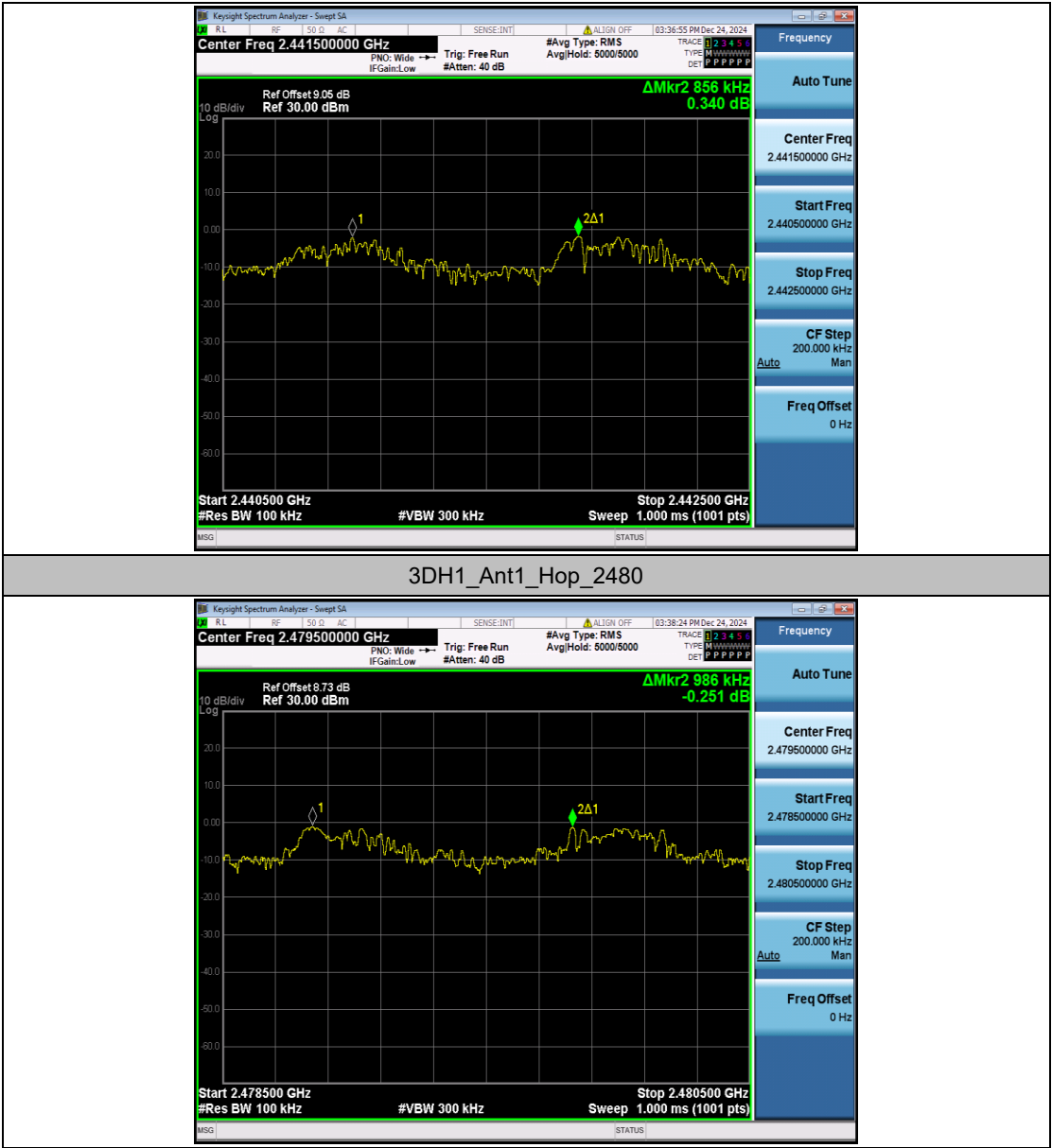
2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441

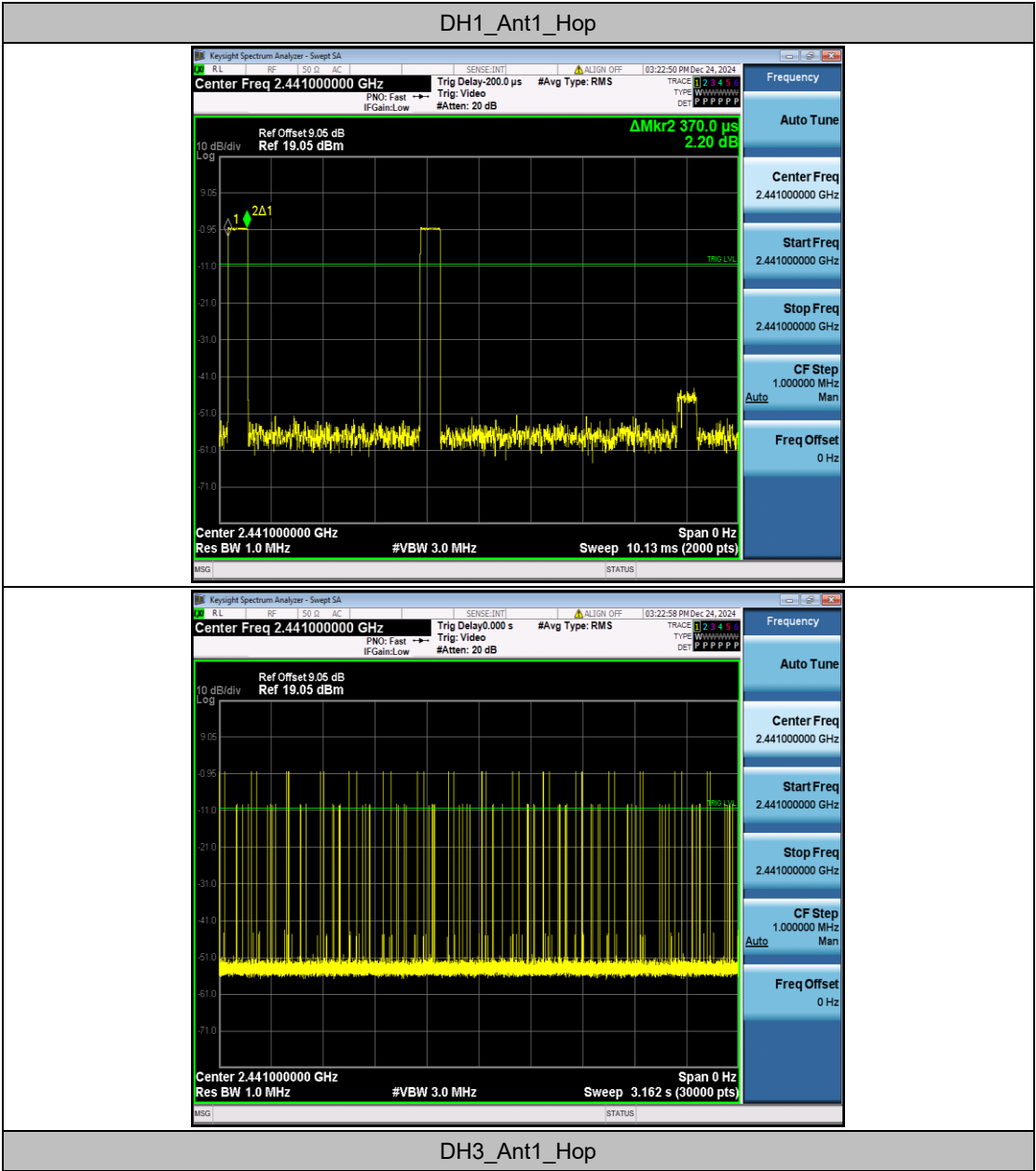


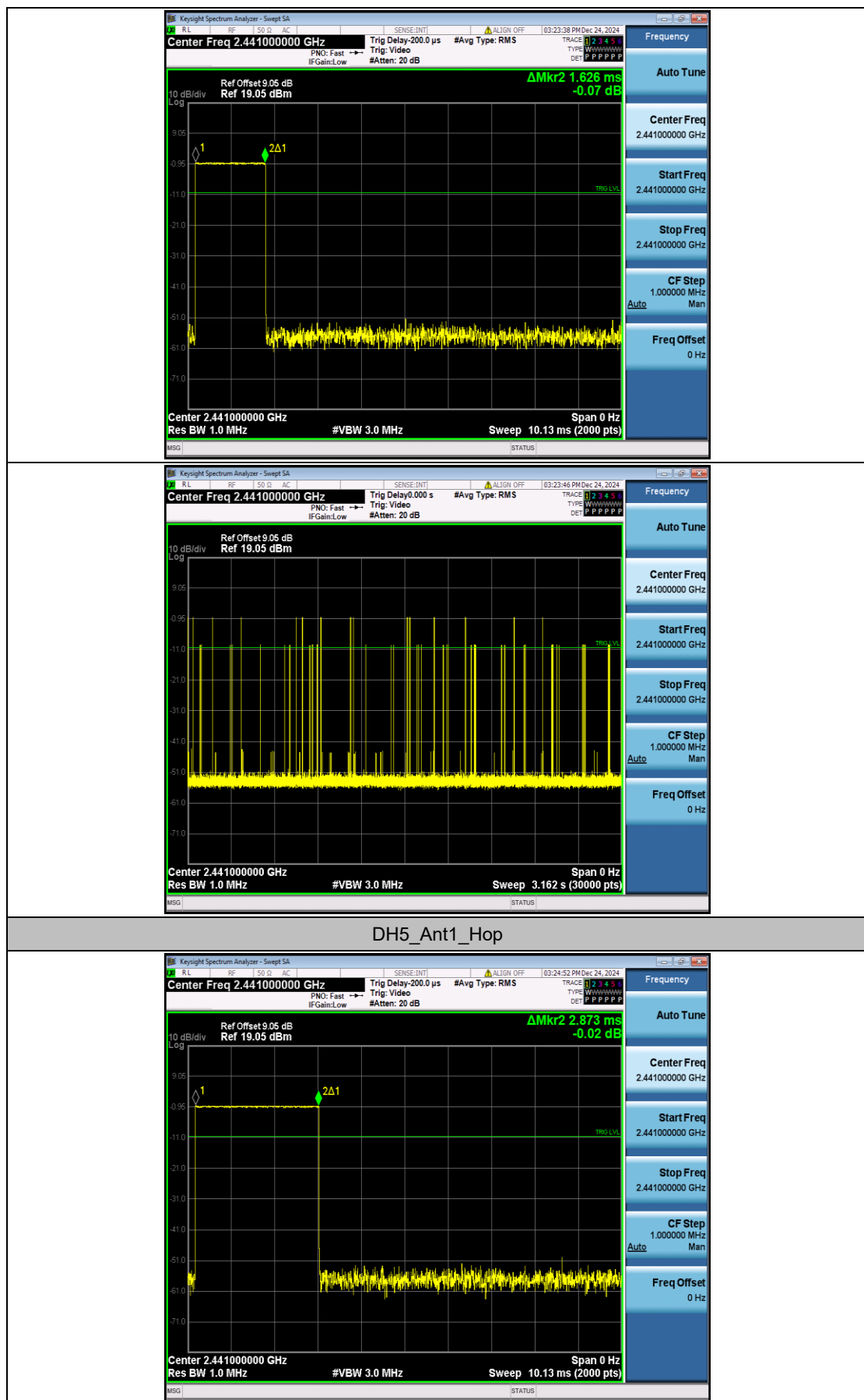
Appendix A.5: Time of occupancy

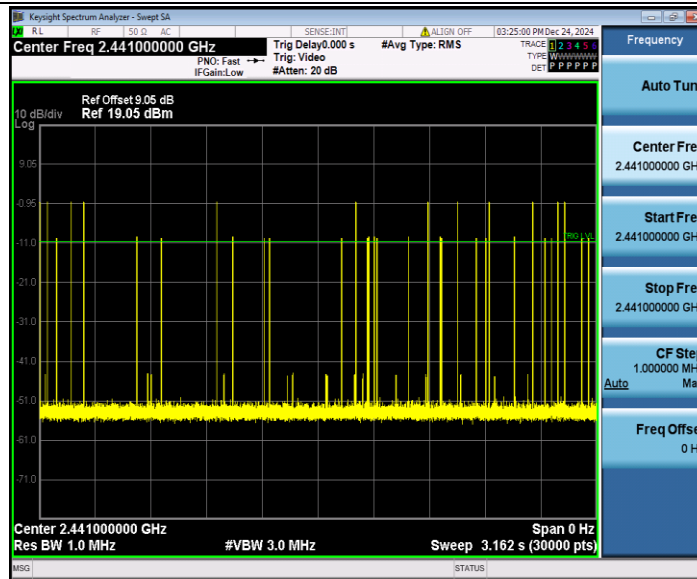
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.370	320	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.626	160	0.26	≤0.4	PASS
DH5	Ant1	Hop	2.873	120	0.345	≤0.4	PASS
2DH1	Ant1	Hop	0.375	330	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.631	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.878	120	0.345	≤0.4	PASS
3DH1	Ant1	Hop	0.380	330	0.125	≤0.4	PASS
3DH3	Ant1	Hop	1.626	160	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.878	120	0.345	≤0.4	PASS

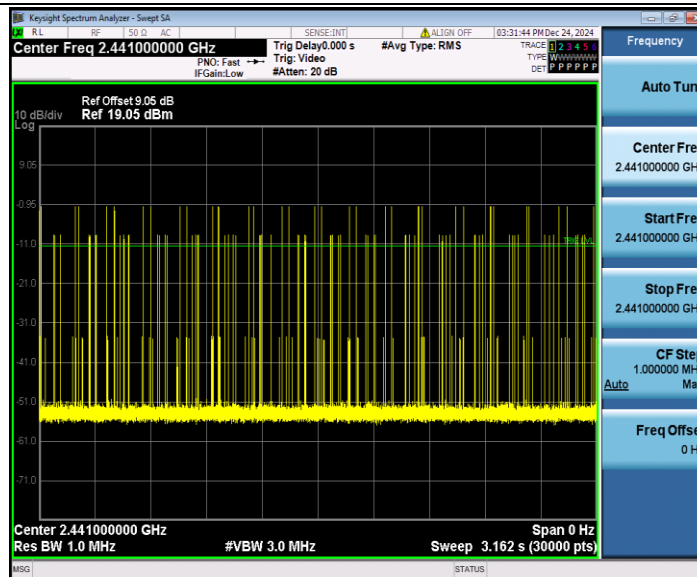
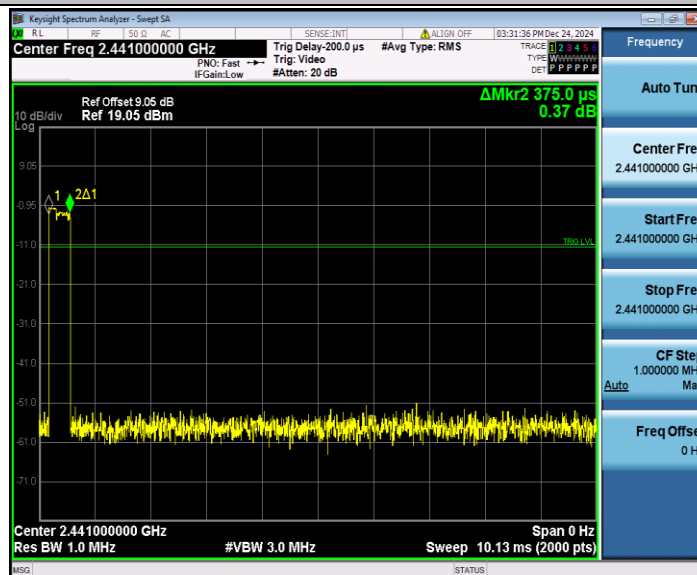
Test Graphs



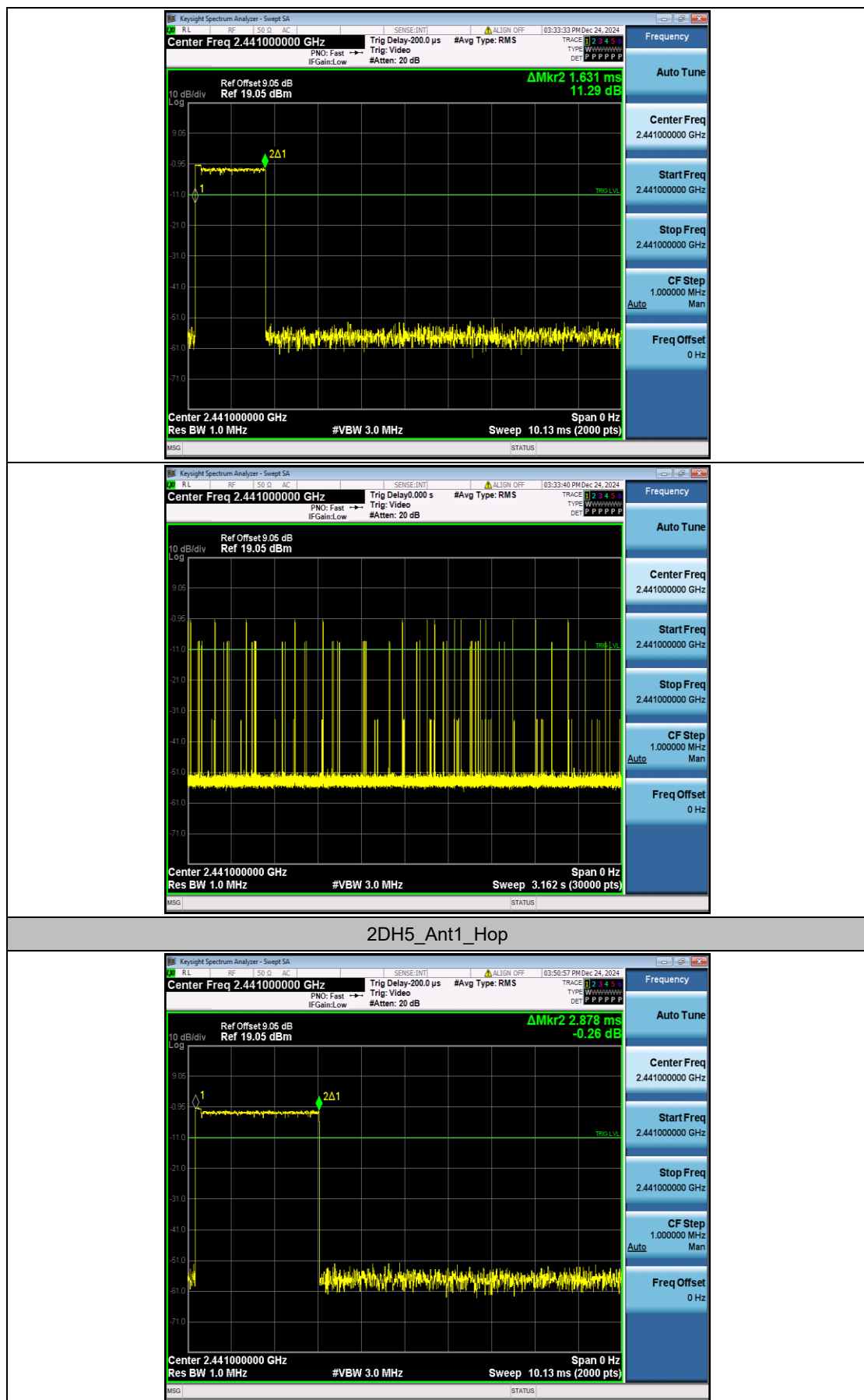


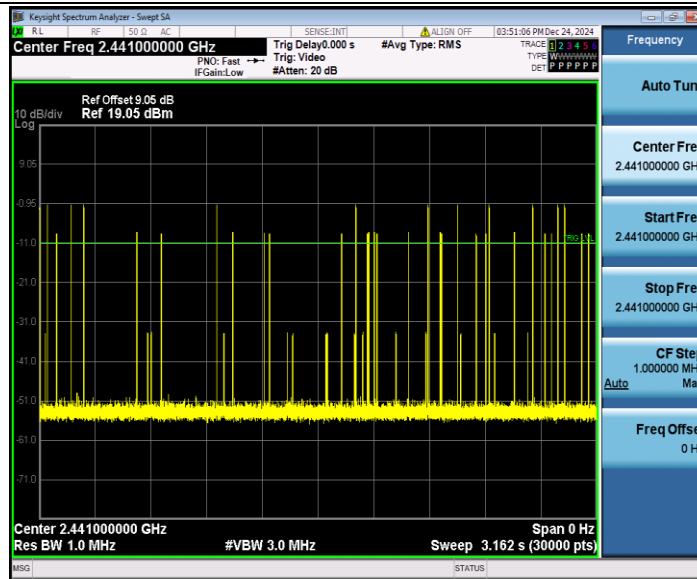


2DH1_Ant1_Hop

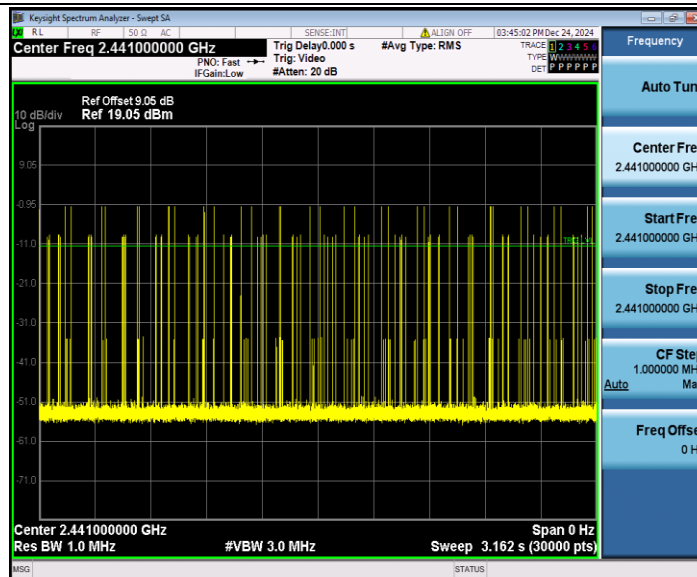
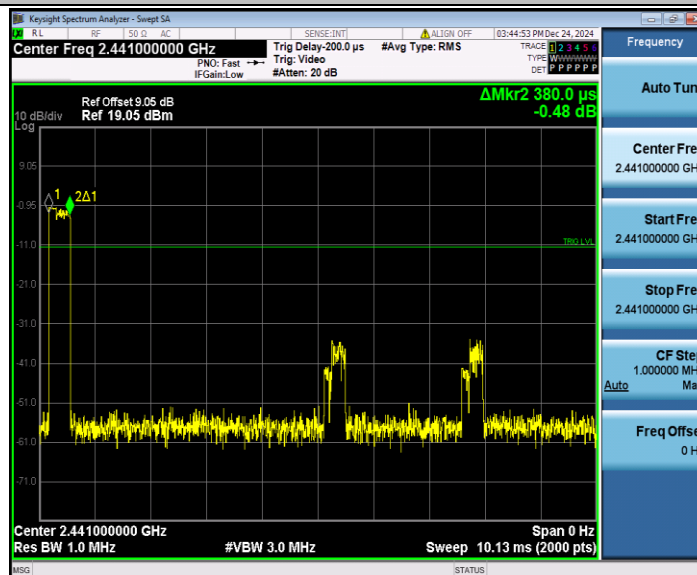


2DH3_Ant1_Hop

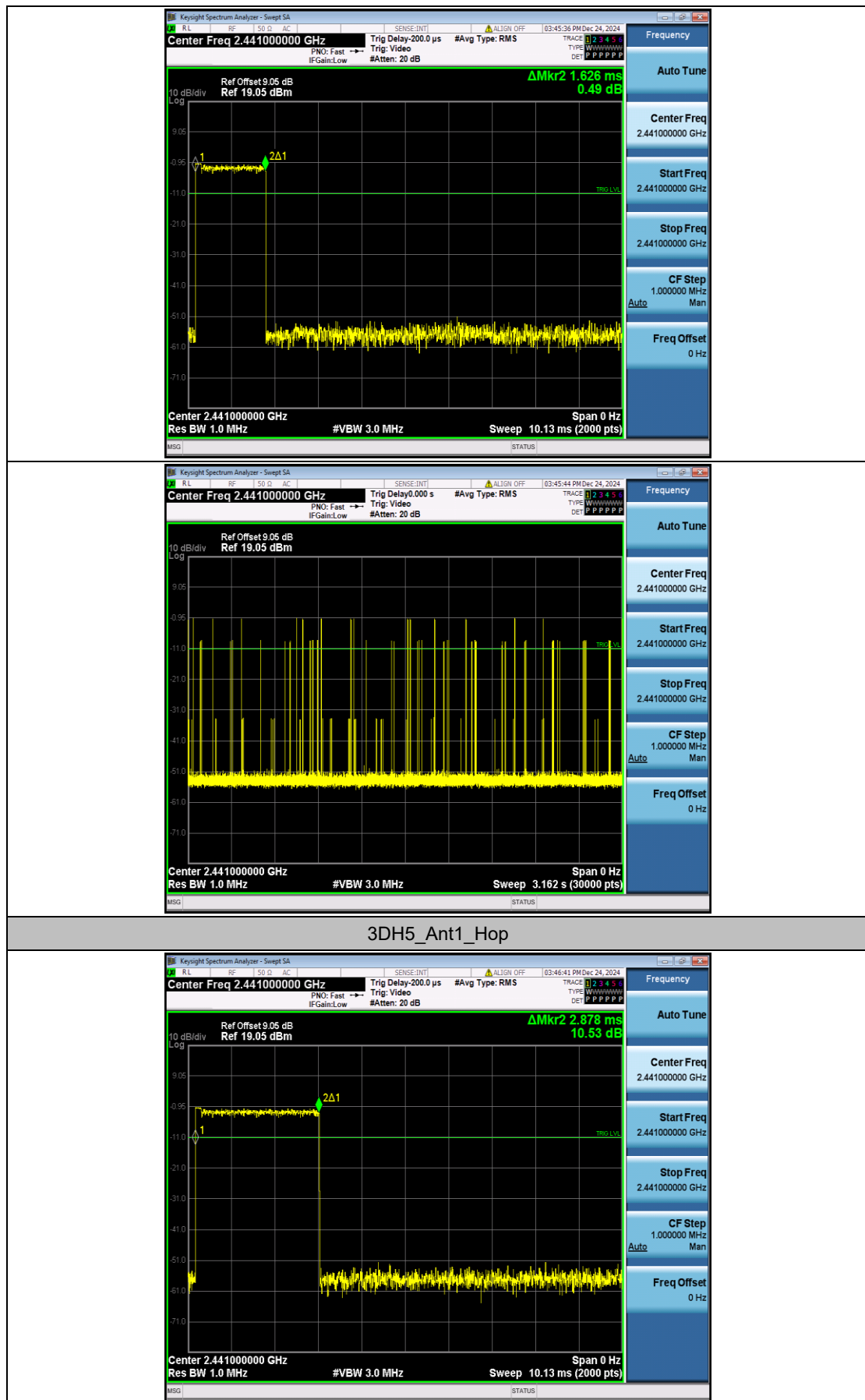


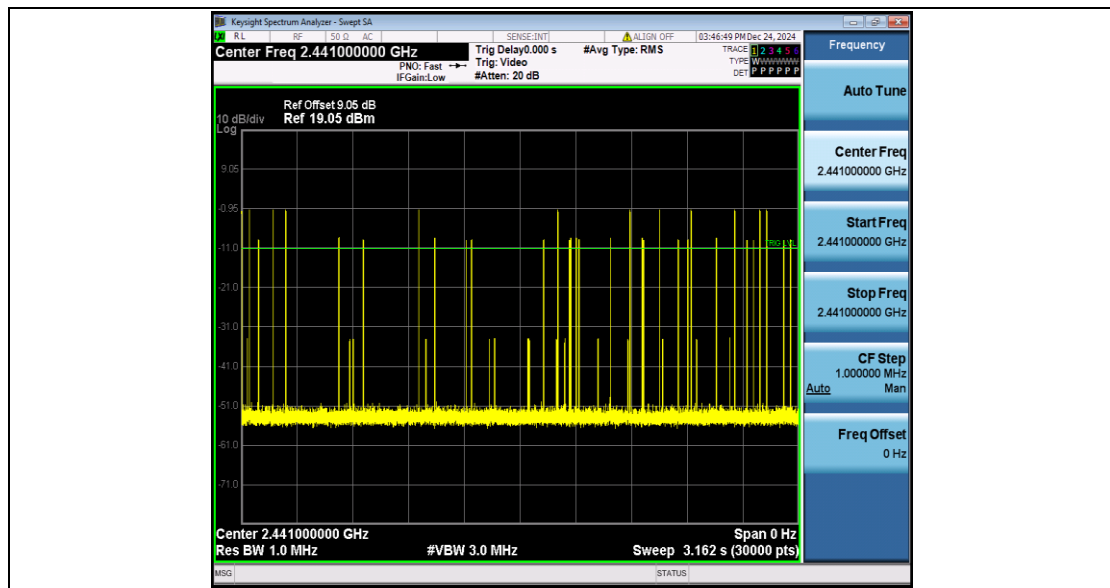


3DH1_Ant1_Hop



3DH3_Ant1_Hop



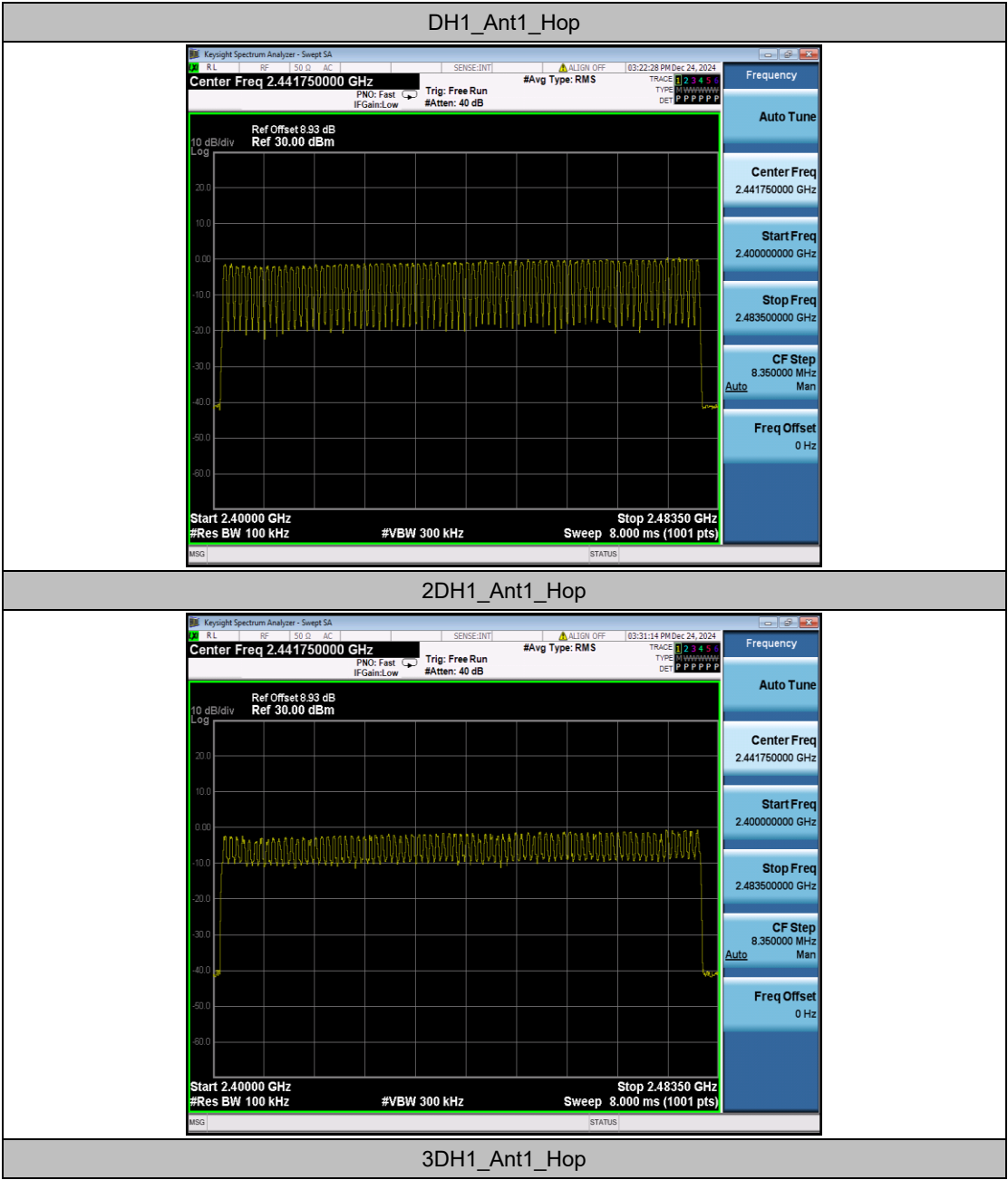


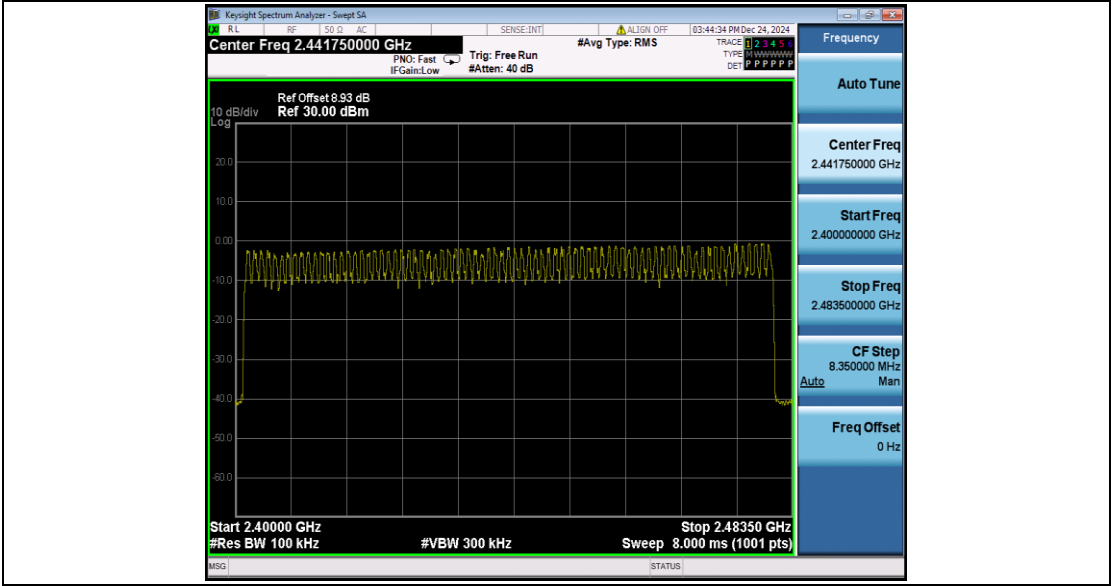
Appendix A.6: Number of hopping channels

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



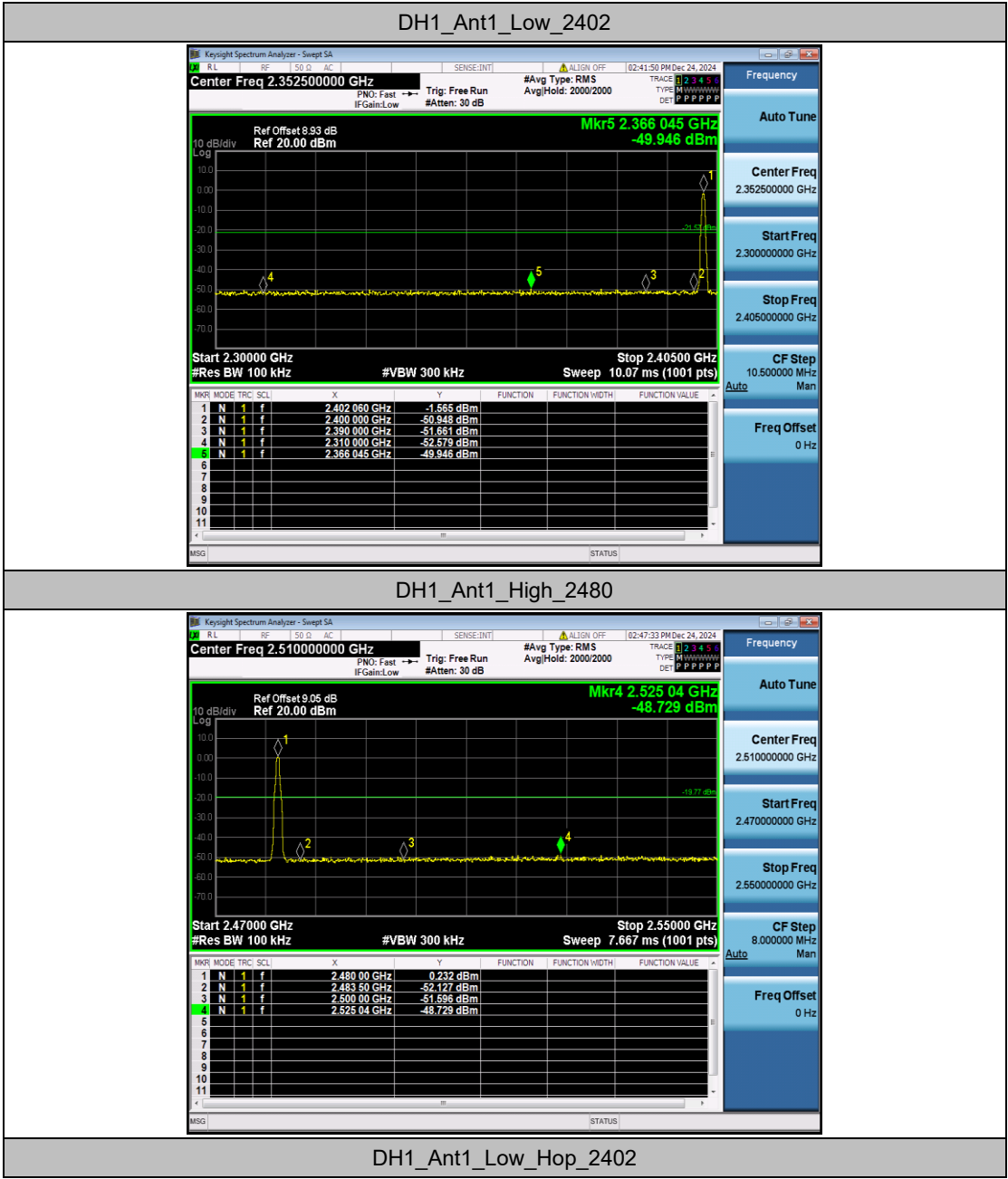


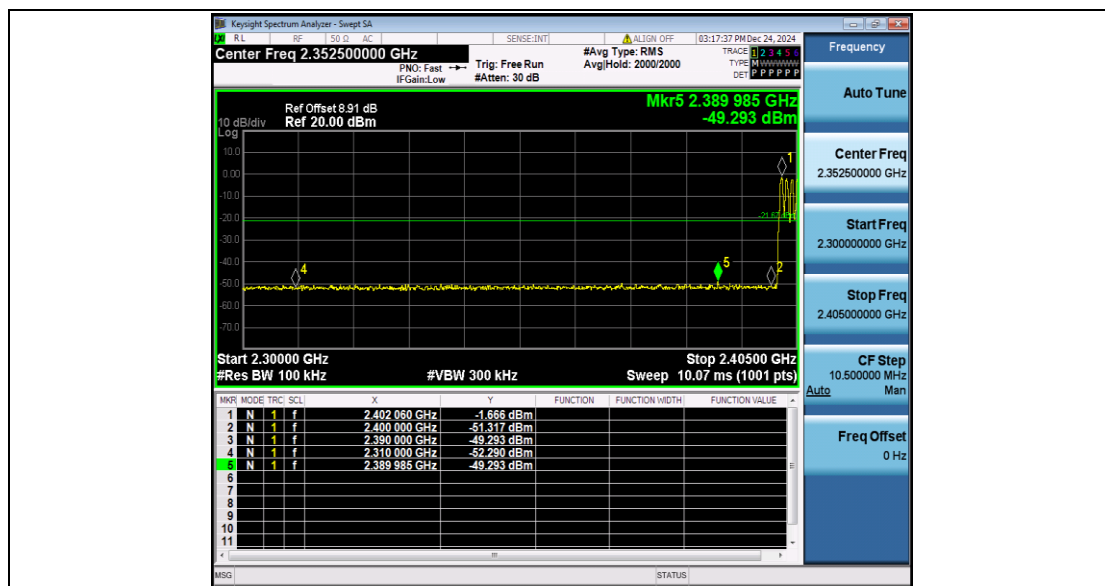
Appendix A.7: Band edge measurements

Test Result

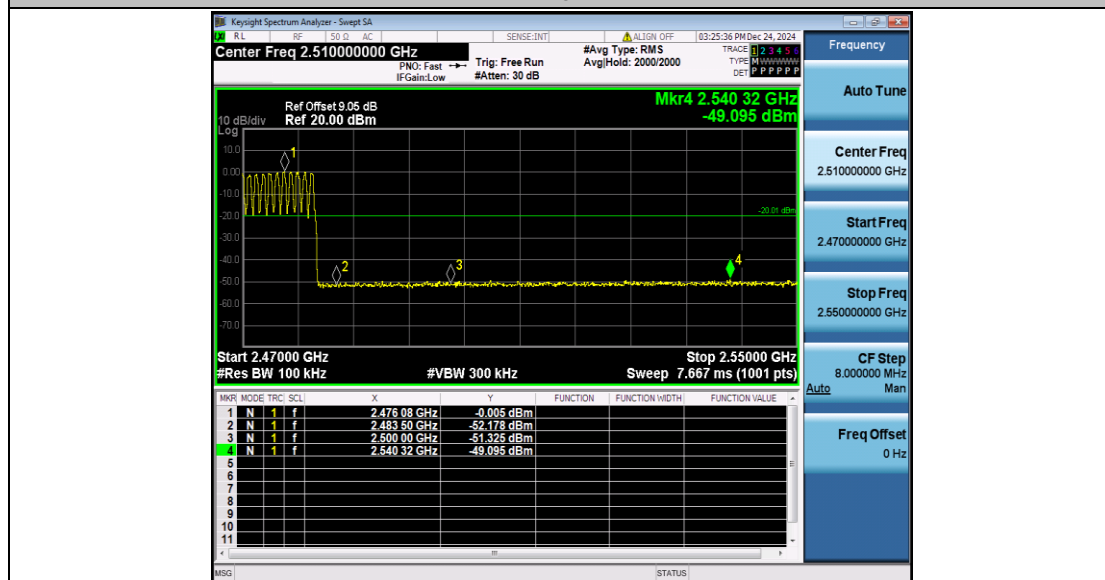
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	-1.57	-49.95	≤ -21.57	PASS
		High	2480	0.23	-48.73	≤ -19.77	PASS
		Low	Hop_2402	-1.67	-49.29	≤ -21.67	PASS
		High	Hop_2480	-0.01	-49.1	≤ -20.01	PASS
2DH1	Ant1	Low	2402	-2.32	-49.57	≤ -22.32	PASS
		High	2480	-0.47	-48.89	≤ -20.47	PASS
		Low	Hop_2402	-2.11	-49.7	≤ -22.11	PASS
		High	Hop_2480	-1.09	-48.96	≤ -21.09	PASS
3DH1	Ant1	Low	2402	-2.34	-49.9	≤ -22.34	PASS
		High	2480	-0.52	-48.3	≤ -20.52	PASS
		Low	Hop_2402	-2.68	-49.47	≤ -22.68	PASS
		High	Hop_2480	-0.46	-49.02	≤ -20.46	PASS

Test Graphs

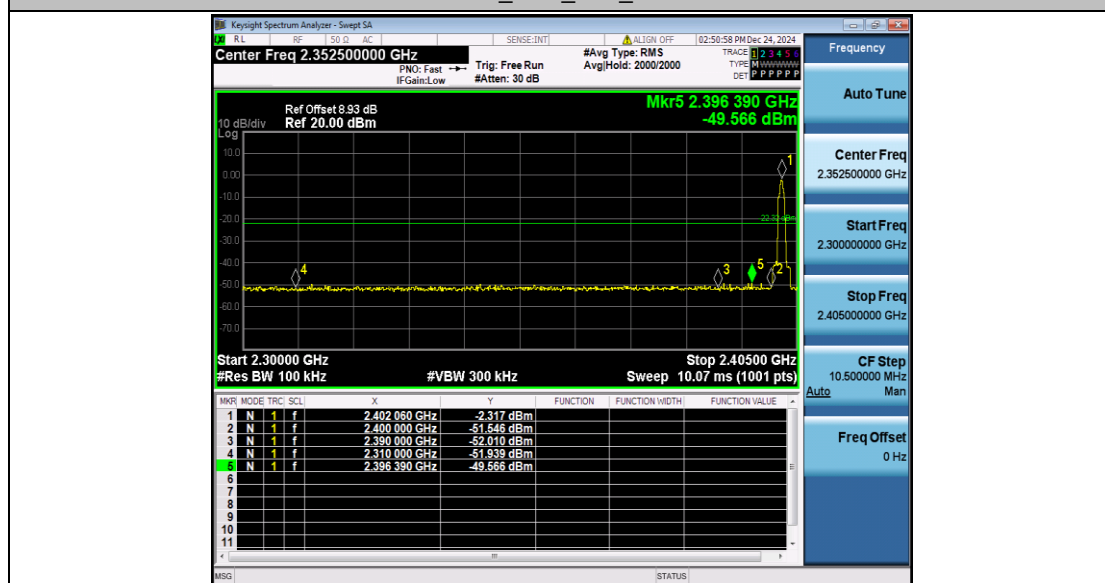




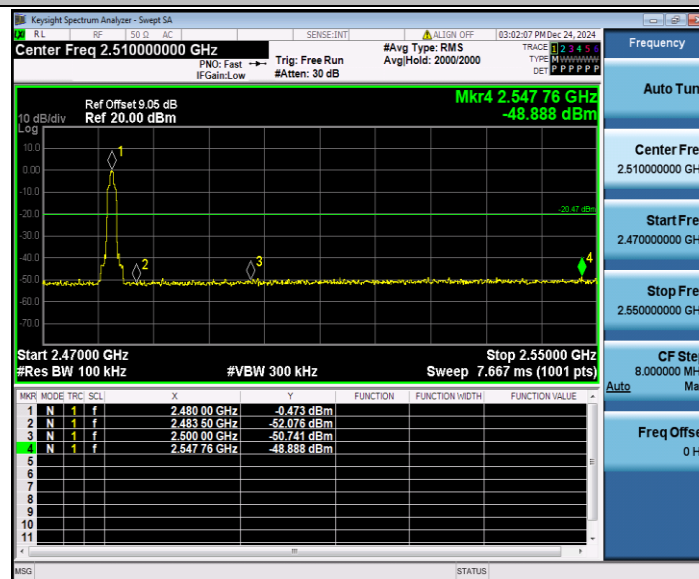
DH1_Ant1_High_Hop_2480



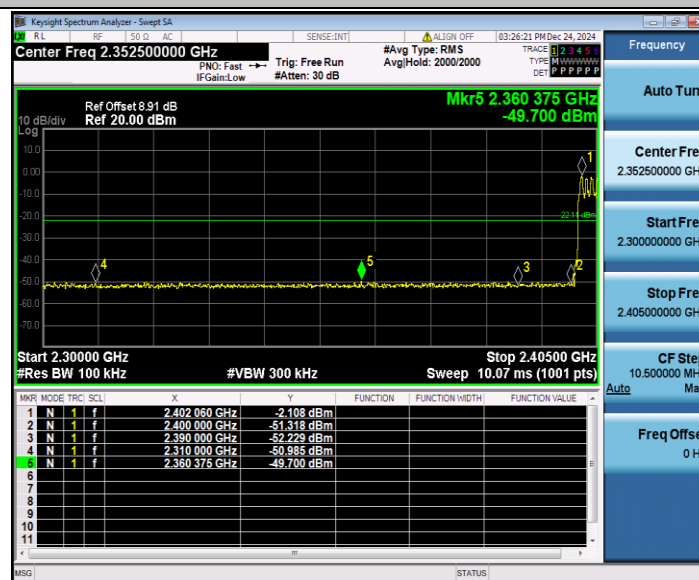
2DH1_Ant1_Low_2402



2DH1_Ant1_High_2480



2DH1_Ant1_Low_Hop_2402



2DH1_Ant1_High_Hop_2480