

Case No. : <u>GTS20241129021-1-02</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.2.7</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	0.774	2401.604	2402.378	---	---
		2441	0.846	2440.556	2441.402	---	---
		2480	0.789	2479.571	2480.360	---	---
2DH1	Ant1	2402	1.209	2401.391	2402.600	---	---
		2441	1.239	2440.367	2441.606	---	---
		2480	1.251	2479.358	2480.609	---	---
3DH1	Ant1	2402	1.242	2401.376	2402.618	---	---
		2441	1.236	2440.388	2441.624	---	---
		2480	1.257	2479.367	2480.624	---	---

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	0.71727	2401.6318	2402.3490	---	---
		2441	0.72142	2440.6293	2441.3507	---	---
		2480	0.72100	2479.6280	2480.3490	---	---
2DH1	Ant1	2402	1.1401	2401.4239	2402.5640	---	---
		2441	1.1550	2440.4158	2441.5708	---	---
		2480	1.1572	2479.4157	2480.5729	---	---
3DH1	Ant1	2402	1.1370	2401.4362	2402.5732	---	---
		2441	1.1540	2440.4294	2441.5834	---	---
		2480	1.1549	2479.4286	2480.5835	---	---

Test Graphs

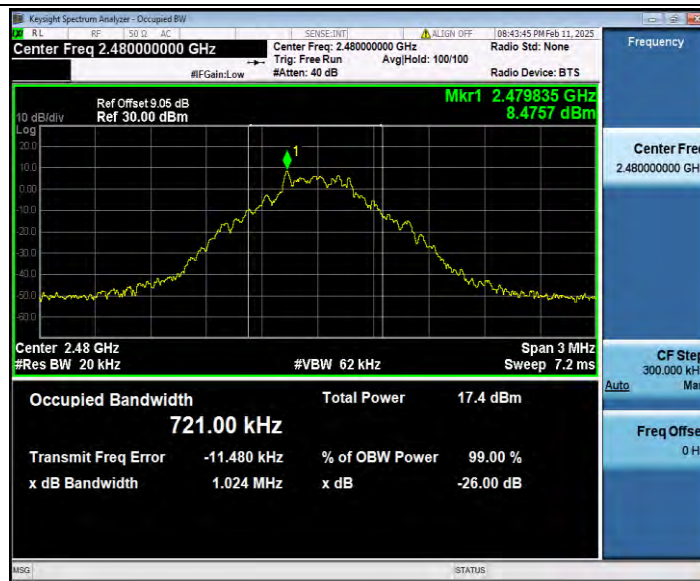
DH1_Ant1_2402



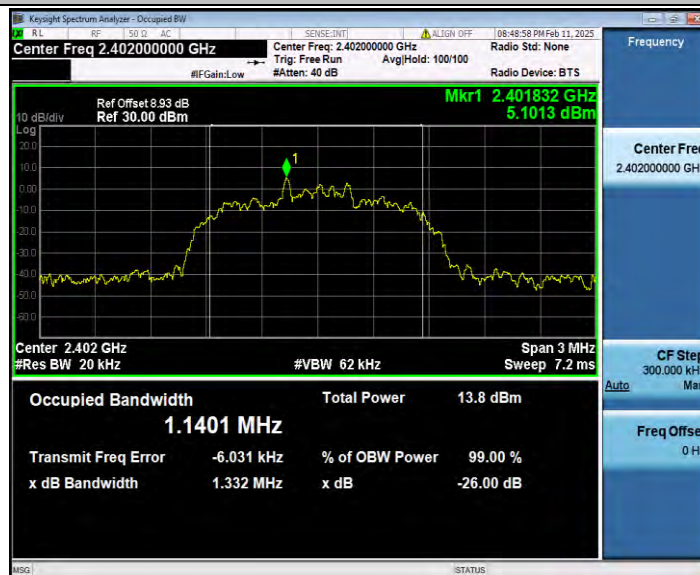
DH1_Ant1_2441



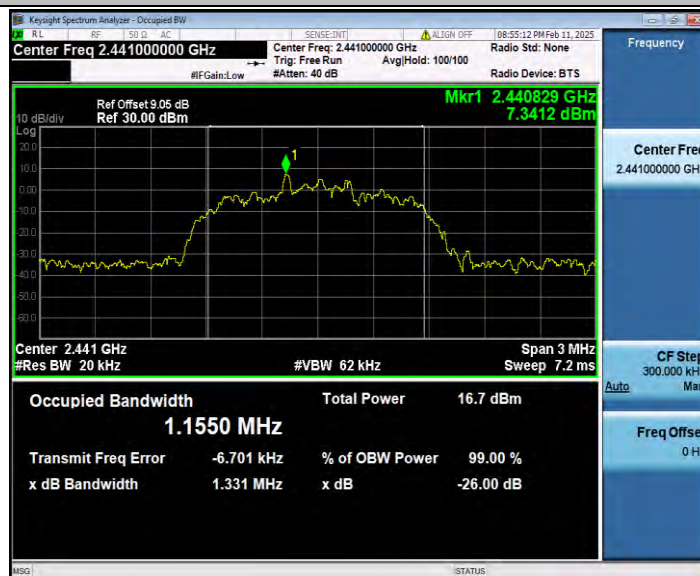
DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



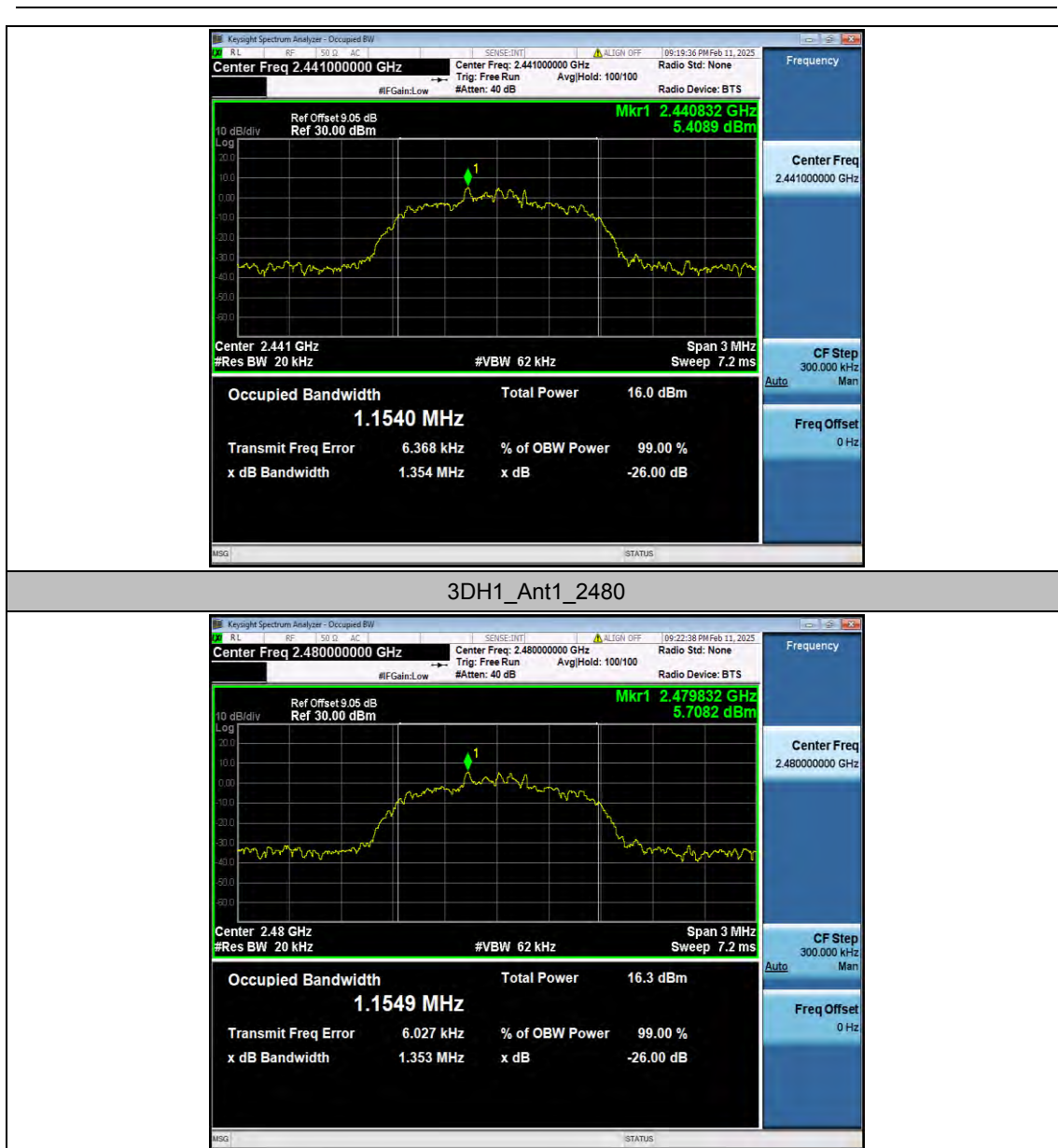
2DH1_Ant1_2480



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	8.66	≤20.97	PASS
		2441	11.27	≤20.97	PASS
		2480	11.56	≤20.97	PASS
2DH1	Ant1	2402	8.09	≤20.97	PASS
		2441	11.29	≤20.97	PASS
		2480	11.56	≤20.97	PASS
3DH1	Ant1	2402	7.87	≤20.97	PASS
		2441	11.18	≤20.97	PASS
		2480	11.53	≤20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.036	≥ 0.846	PASS
		Hop_2441	1.152	≥ 0.846	PASS
		Hop_2480	1.152	≥ 0.846	PASS
2DH1	Ant1	Hop_2402	1.002	≥ 0.834	PASS
		Hop_2441	1.154	≥ 0.834	PASS
		Hop_2480	1.000	≥ 0.834	PASS
3DH1	Ant1	Hop_2402	0.864	≥ 0.838	PASS
		Hop_2441	0.842	≥ 0.838	PASS
		Hop_2480	0.998	≥ 0.838	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441



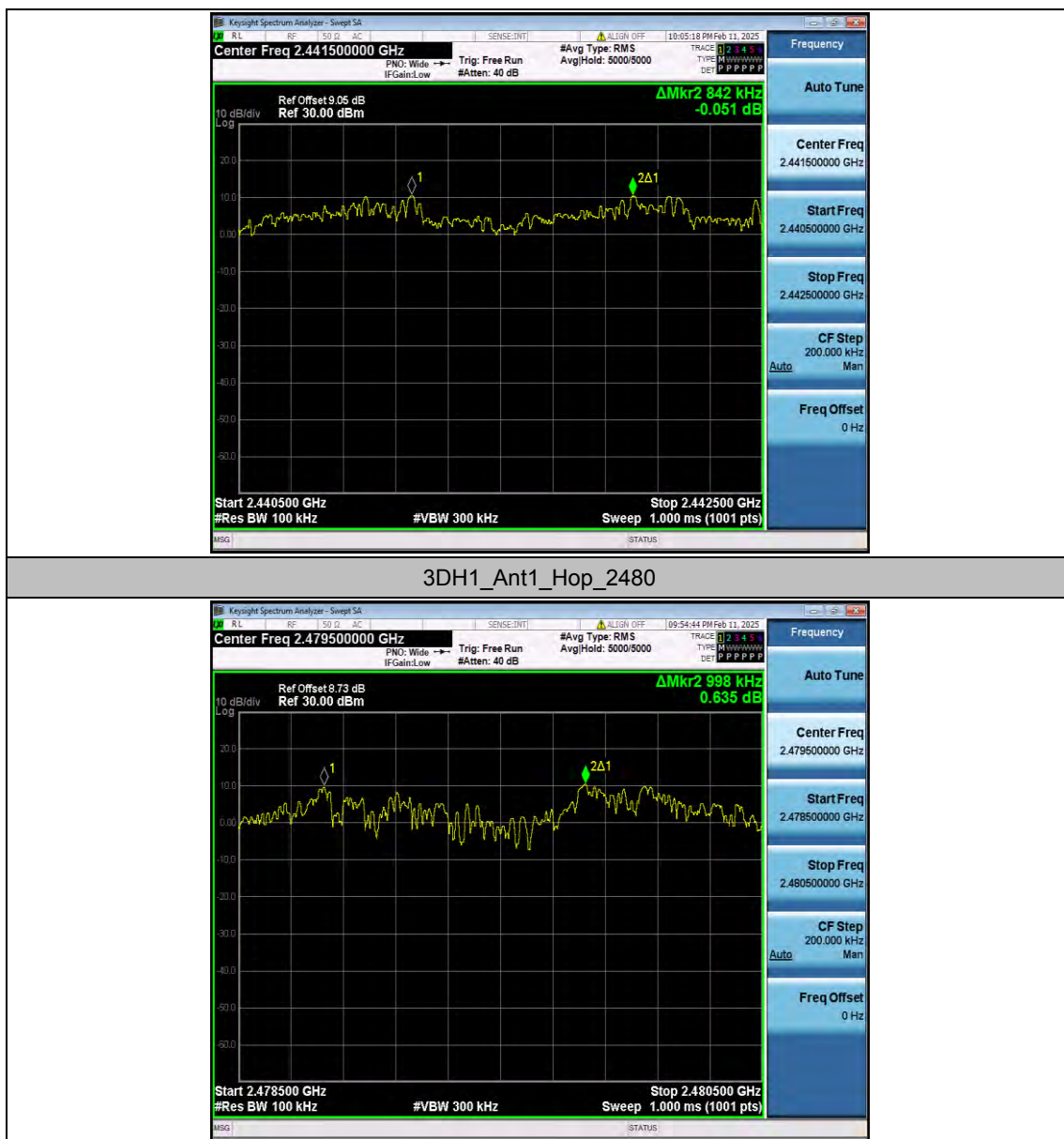
2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441

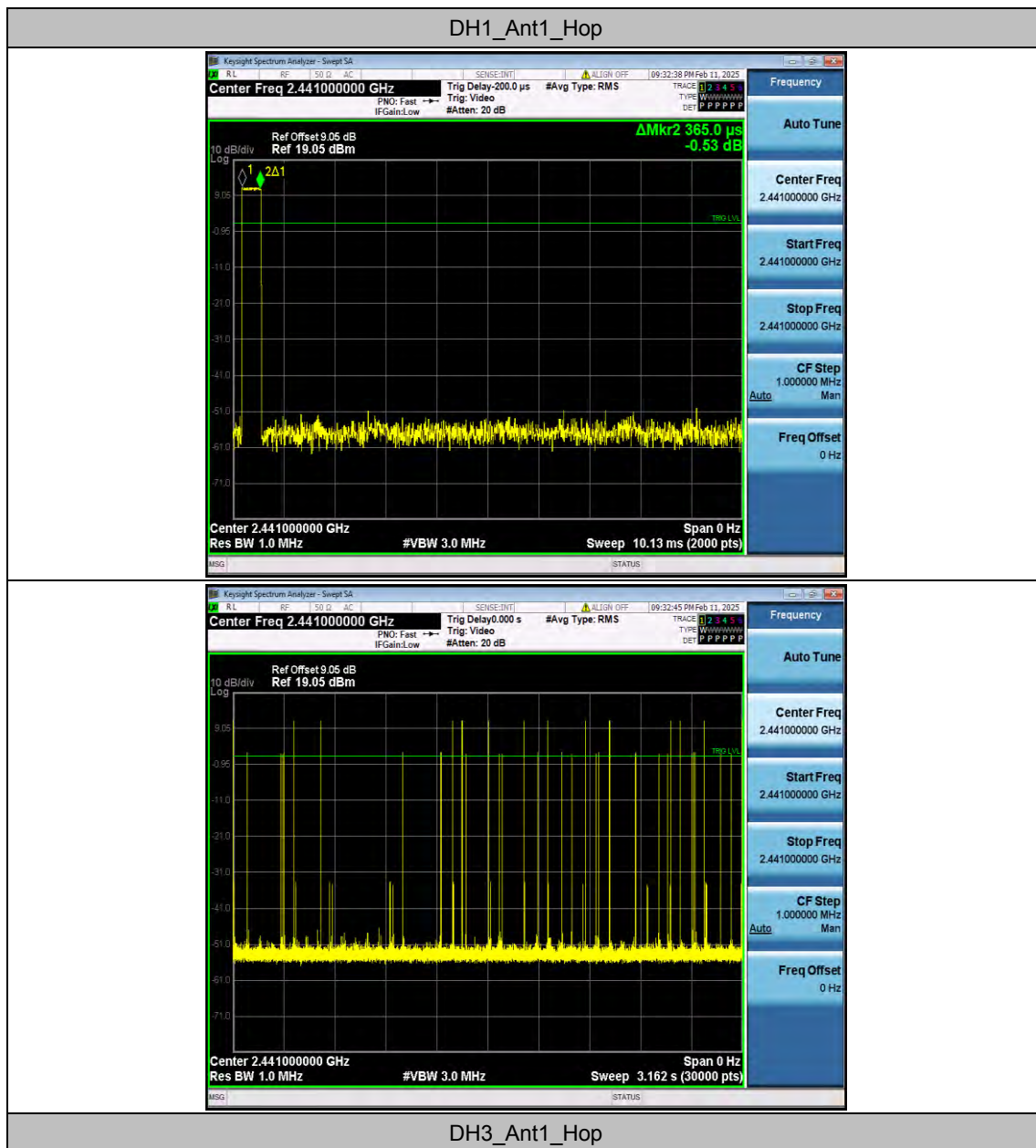


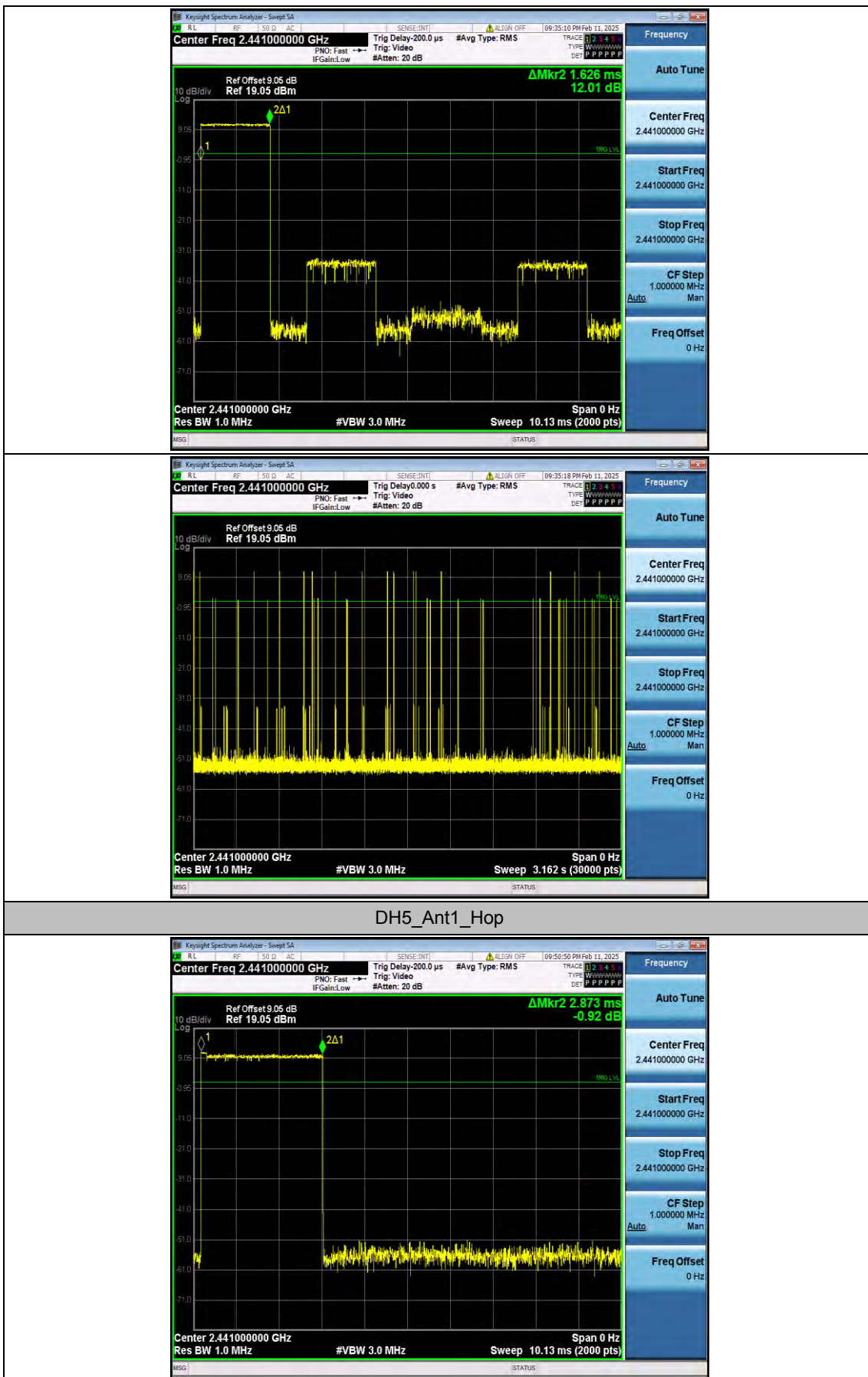
Appendix A.5: Time of occupancy

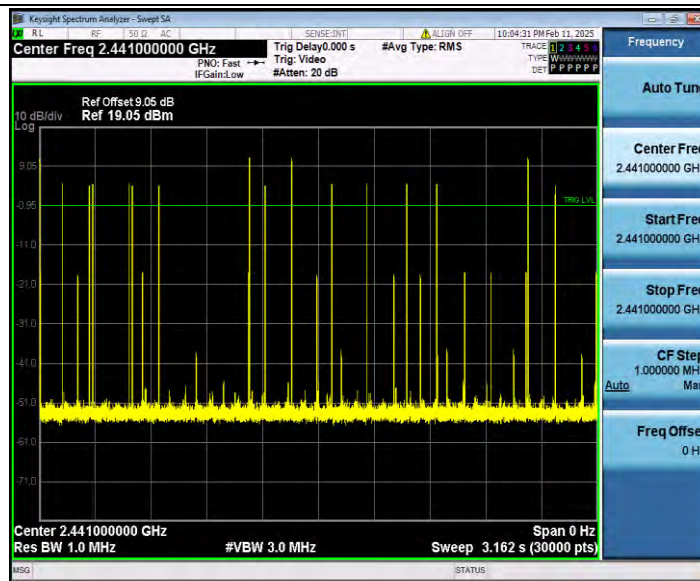
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.365	140	0.051	≤0.4	PASS
DH3	Ant1	Hop	1.626	160	0.26	≤0.4	PASS
DH5	Ant1	Hop	2.873	90	0.259	≤0.4	PASS
2DH1	Ant1	Hop	0.375	120	0.045	≤0.4	PASS
2DH3	Ant1	Hop	1.626	220	0.358	≤0.4	PASS
2DH5	Ant1	Hop	2.873	90	0.259	≤0.4	PASS
3DH1	Ant1	Hop	0.380	130	0.049	≤0.4	PASS
3DH3	Ant1	Hop	1.626	220	0.358	≤0.4	PASS
3DH5	Ant1	Hop	2.878	120	0.345	≤0.4	PASS

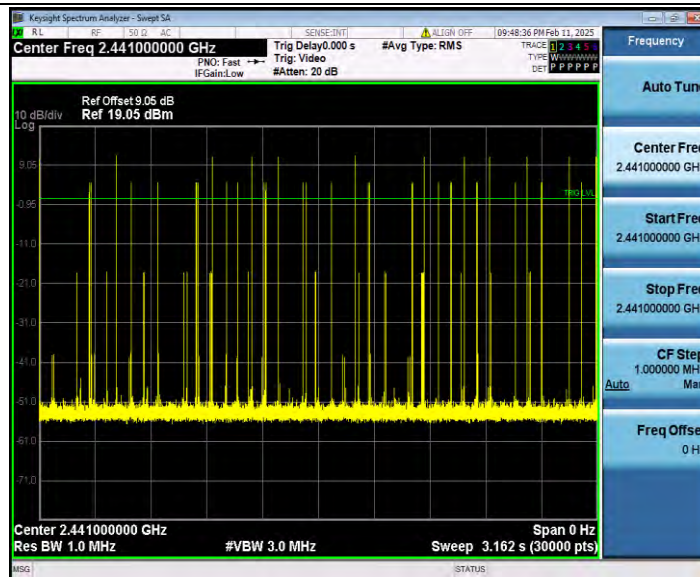
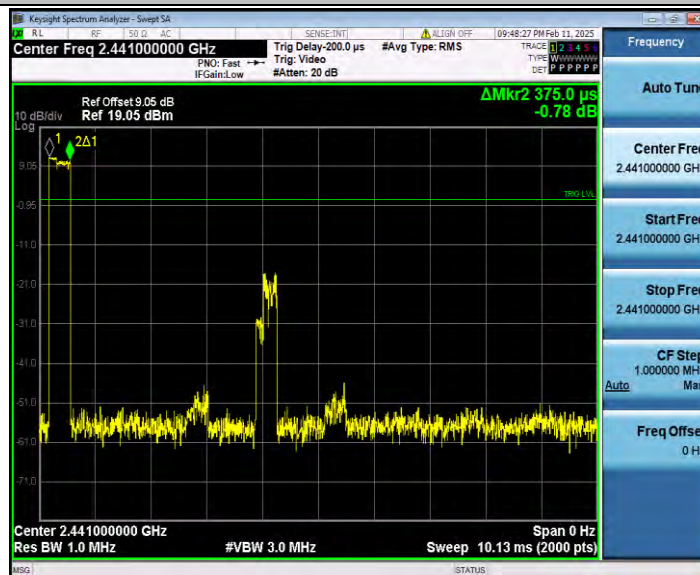
Test Graphs



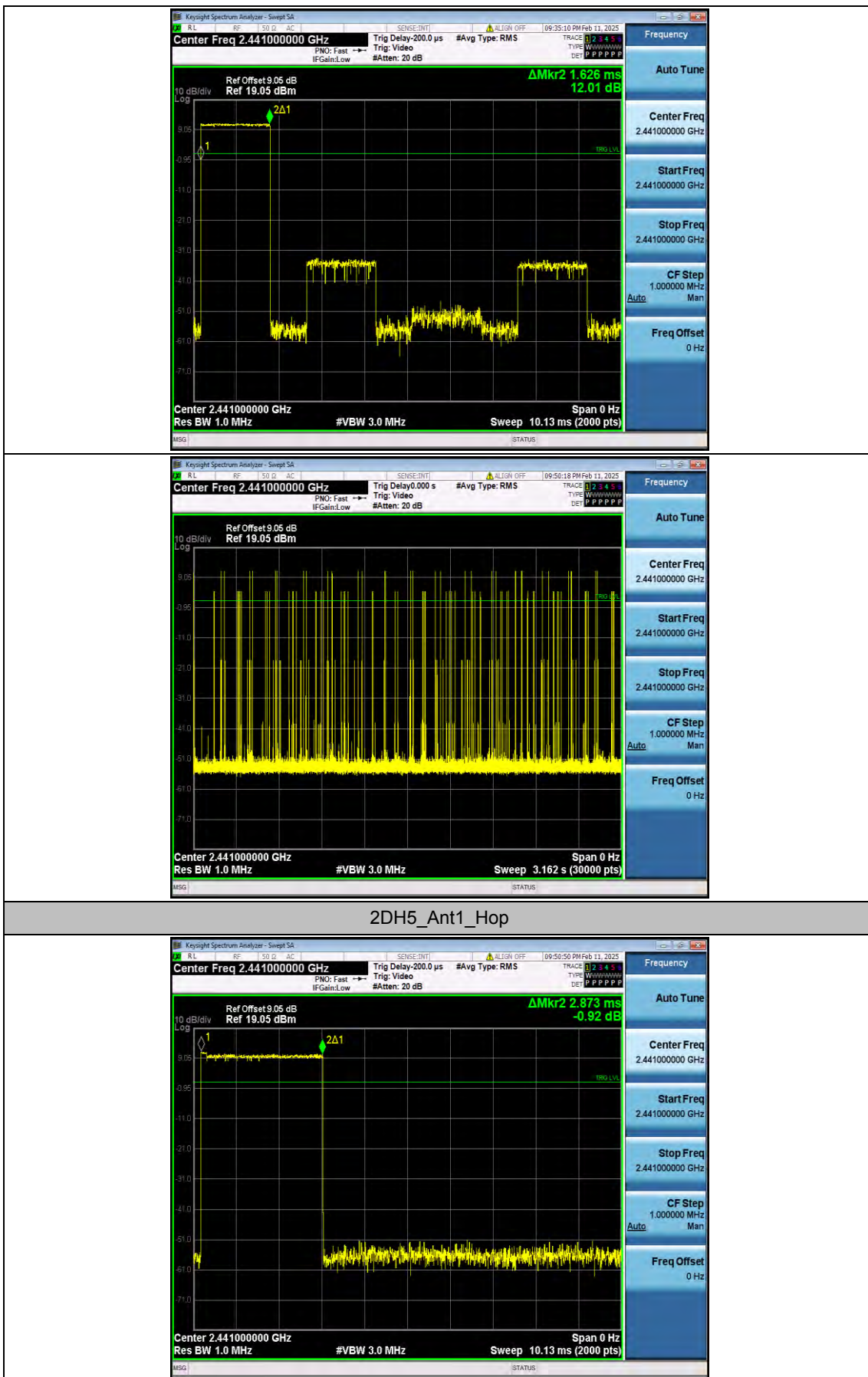


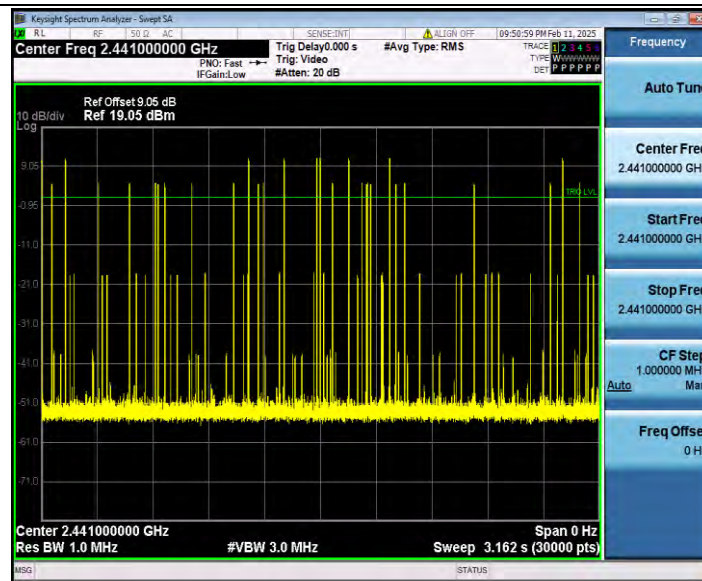


2DH1_Ant1_Hop

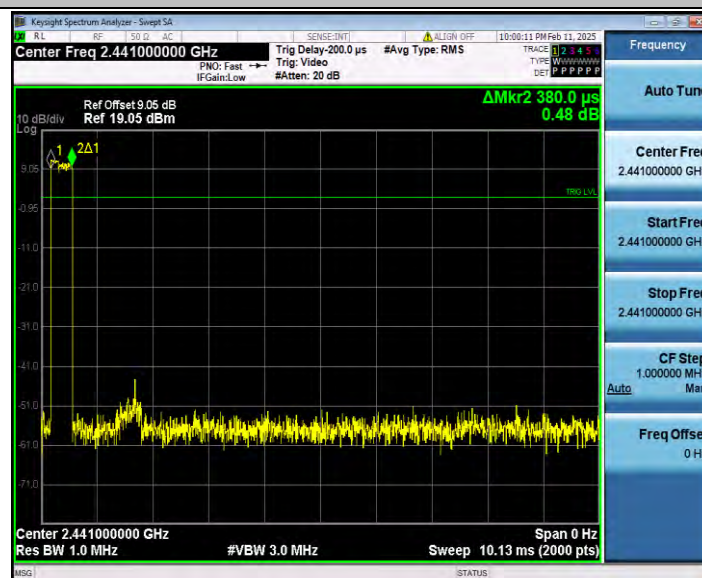


2DH3_Ant1_Hop

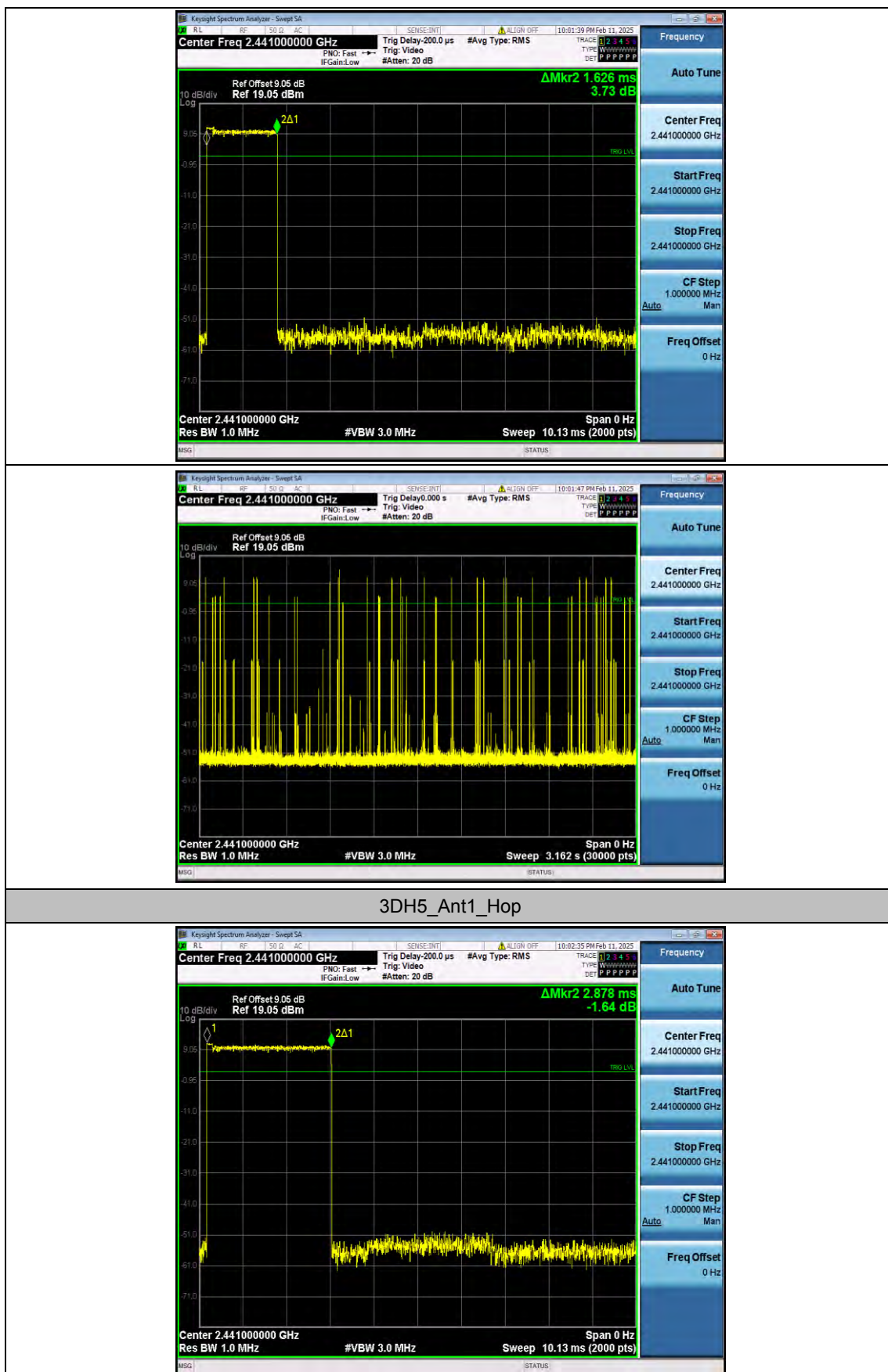




3DH1_Ant1_Hop



3DH3_Ant1_Hop



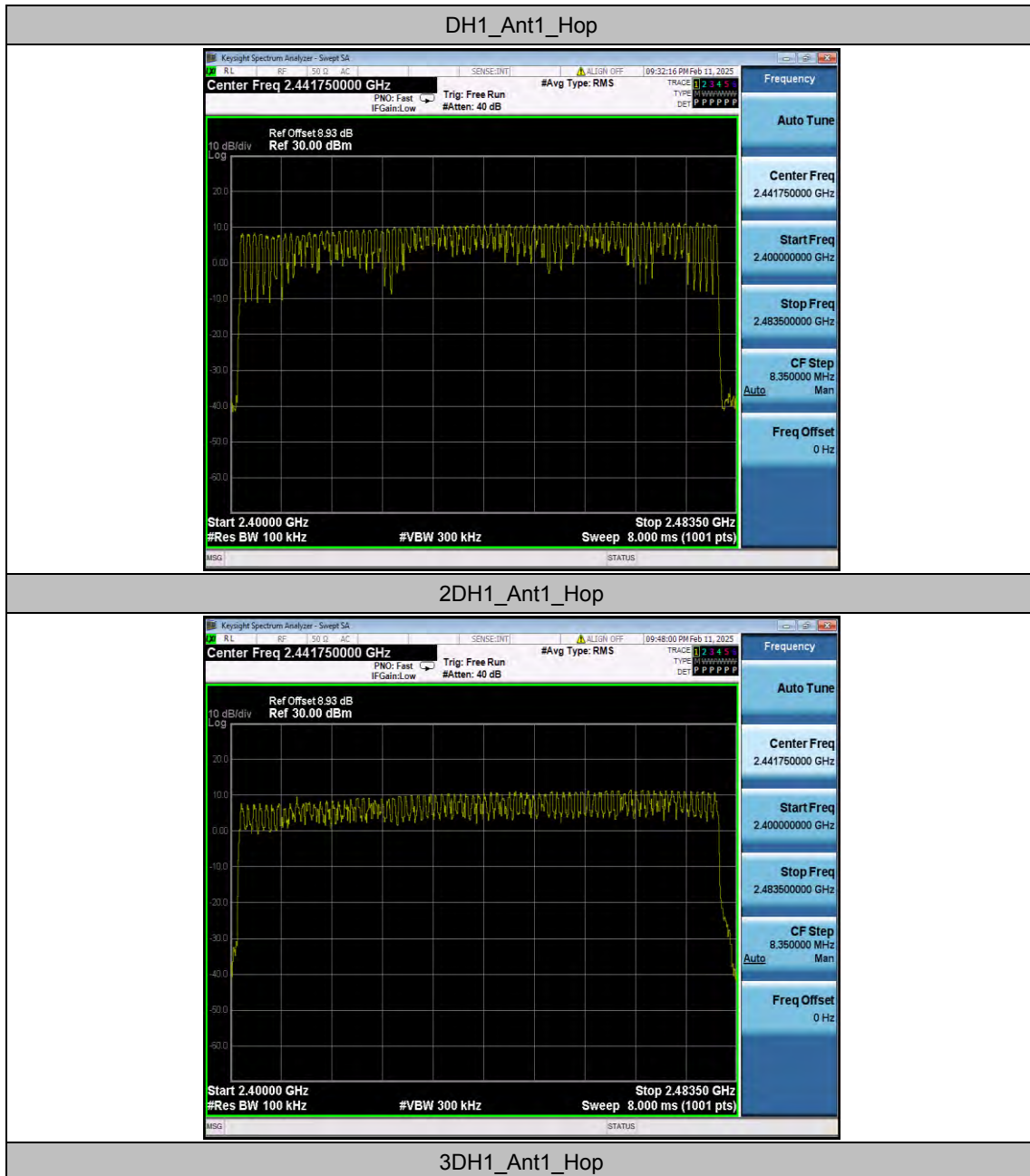


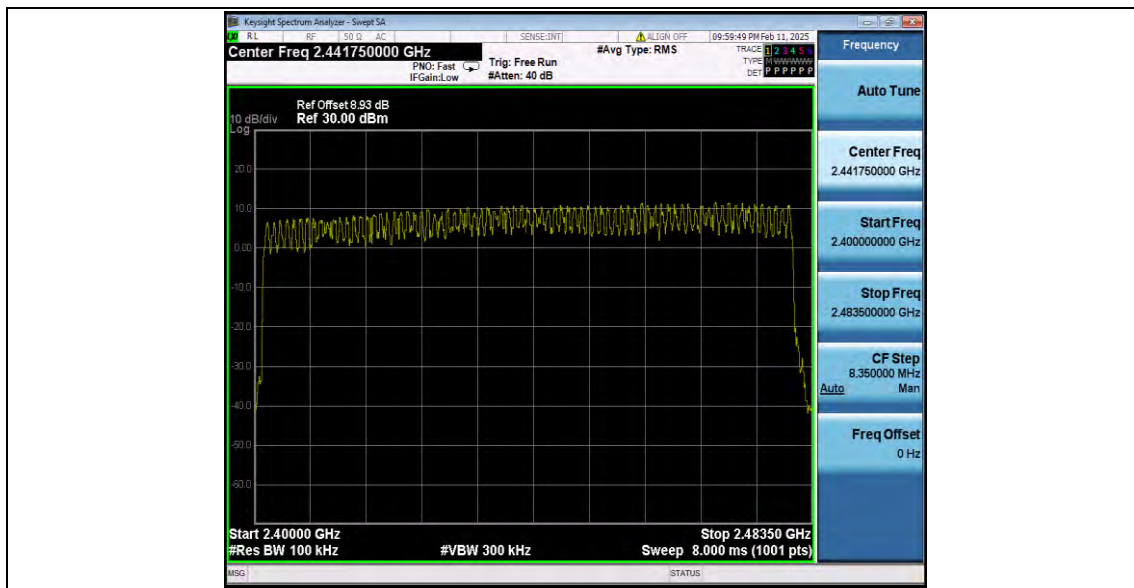
Appendix A.6: Number of hopping channels

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



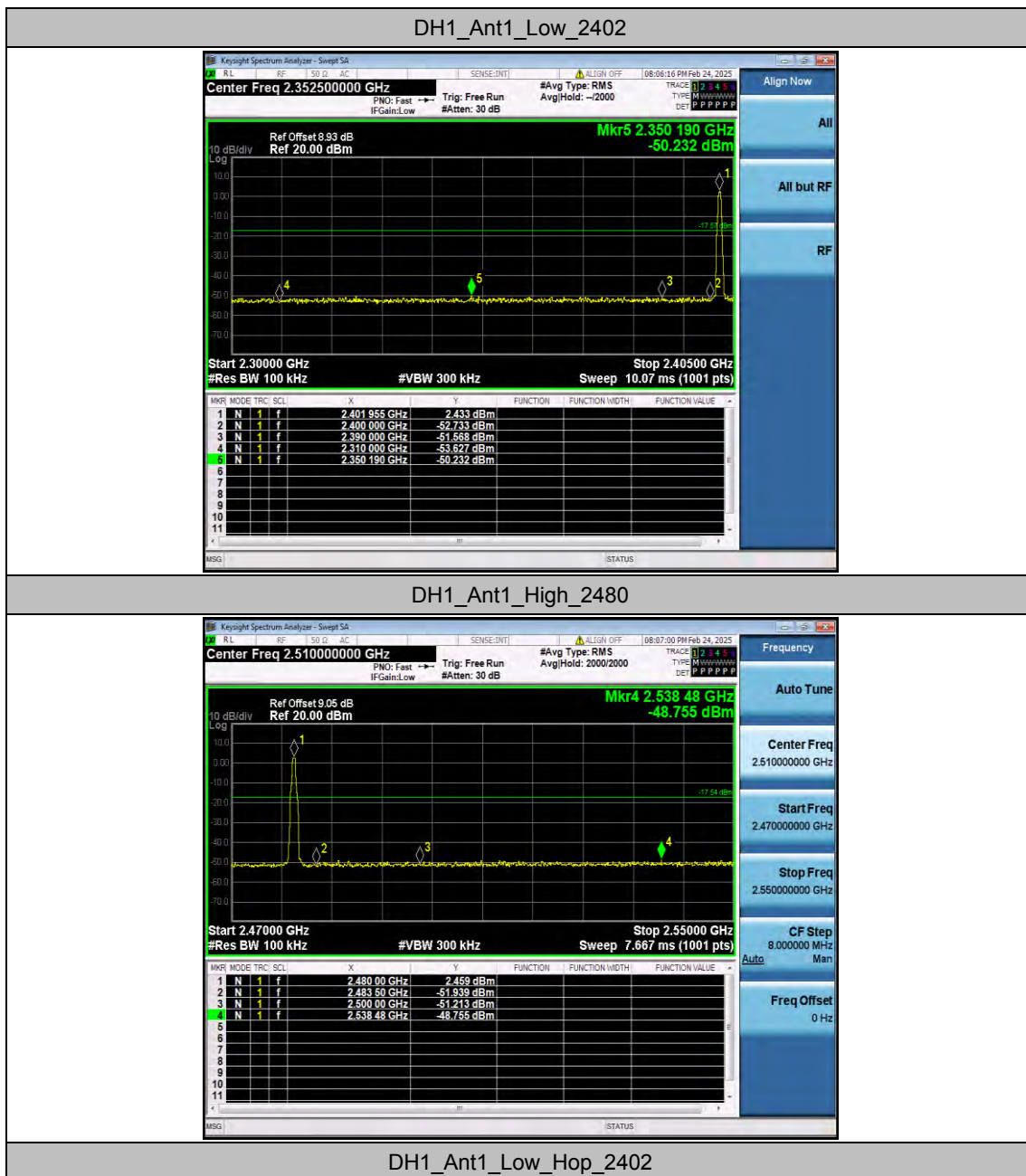


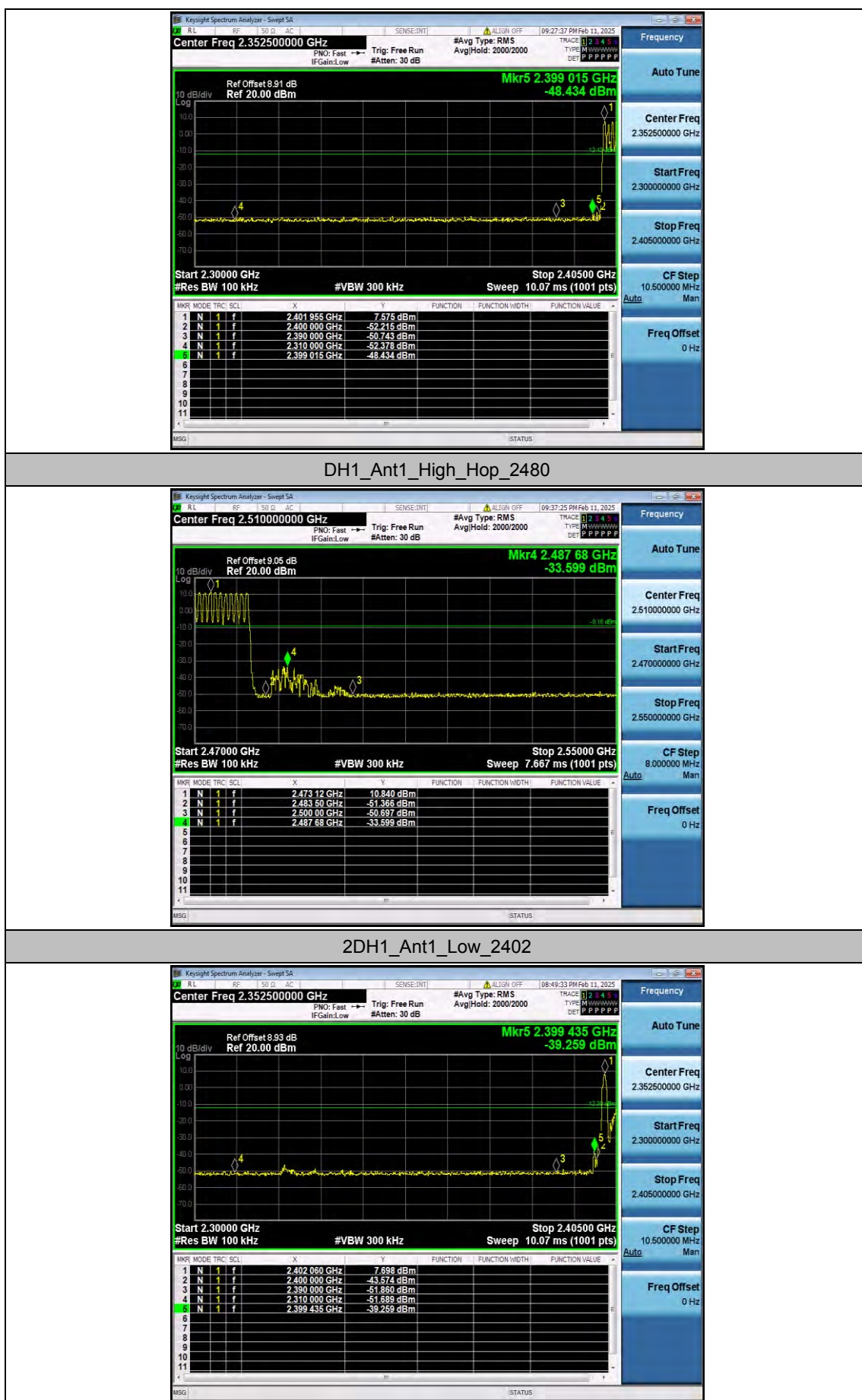
Appendix A.7: Band edge measurements

Test Result

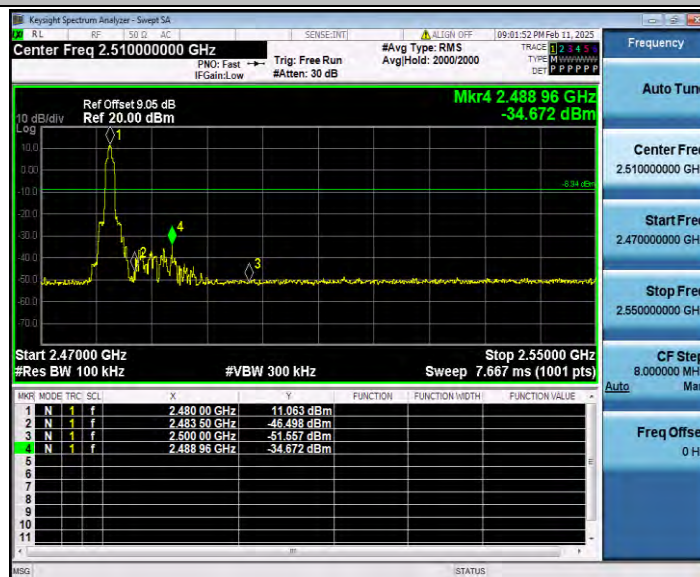
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	2.43	-50.23	≤ -17.57	PASS
		High	2480	2.46	-48.76	≤ -17.54	PASS
		Low	Hop_2402	7.58	-48.43	≤ -12.43	PASS
		High	Hop_2480	10.84	-33.6	≤ -9.16	PASS
2DH1	Ant1	Low	2402	7.70	-39.26	≤ -12.3	PASS
		High	2480	11.06	-34.67	≤ -8.94	PASS
		Low	Hop_2402	6.93	-49.62	≤ -13.07	PASS
		High	Hop_2480	11.05	-46.22	≤ -8.95	PASS
3DH1	Ant1	Low	2402	7.67	-47.04	≤ -12.33	PASS
		High	2480	11.14	-45.11	≤ -8.86	PASS
		Low	Hop_2402	7.45	-39.2	≤ -12.55	PASS
		High	Hop_2480	10.97	-48.6	≤ -9.04	PASS

Test Graphs

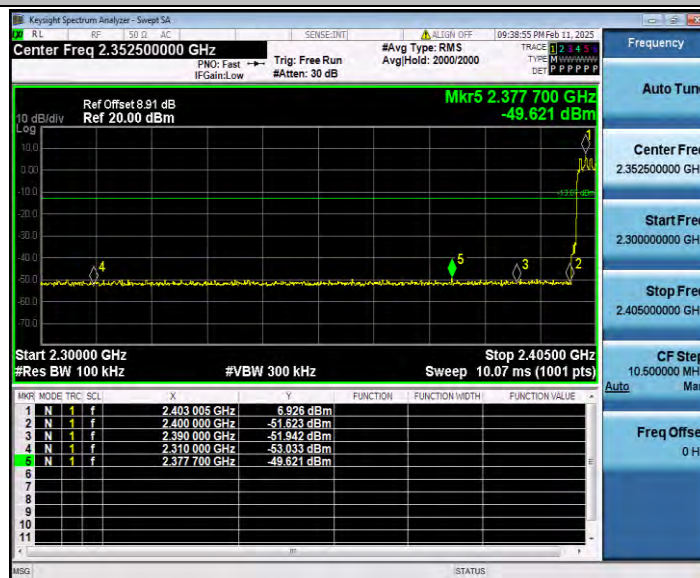




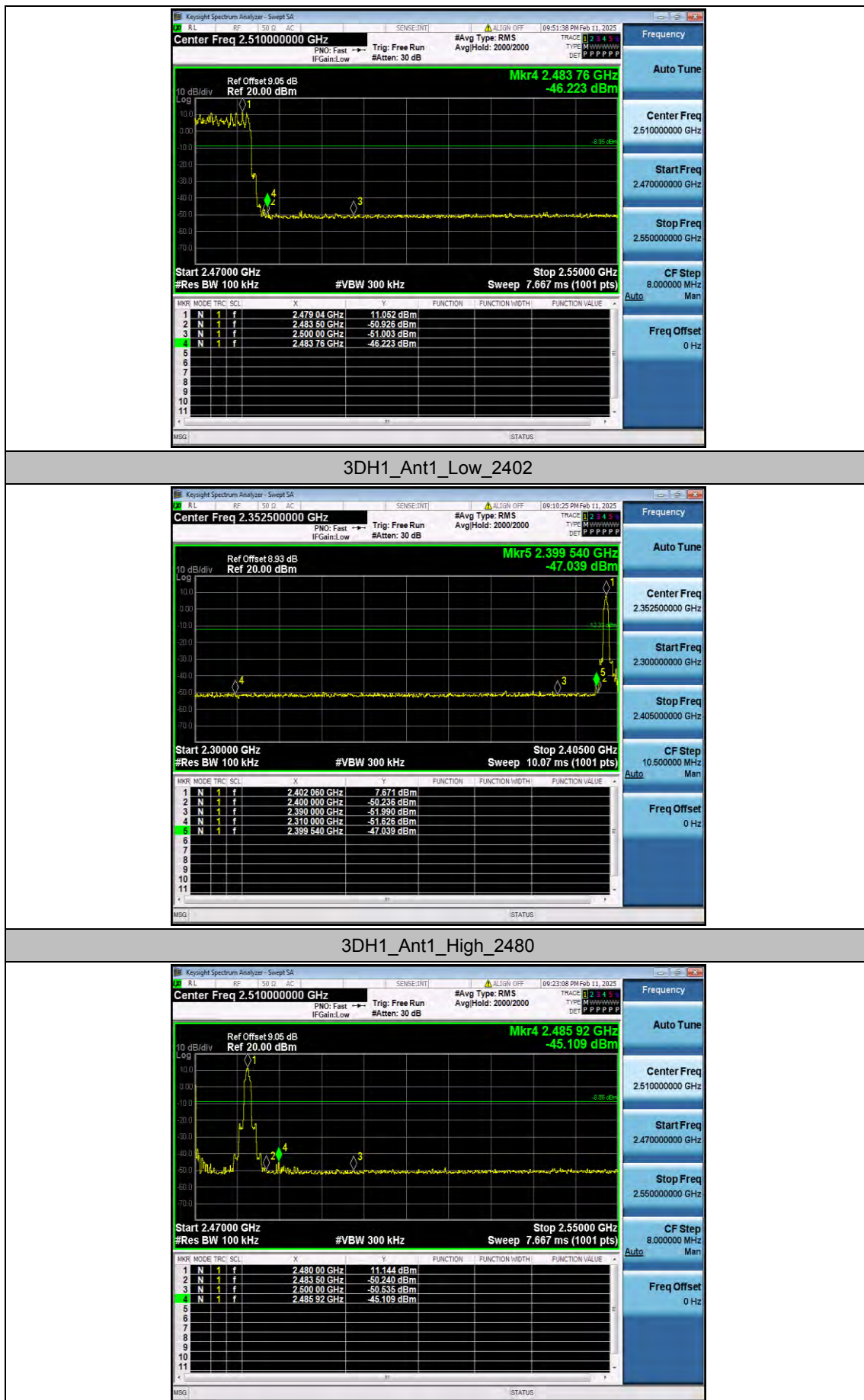
2DH1_Ant1_High_2480



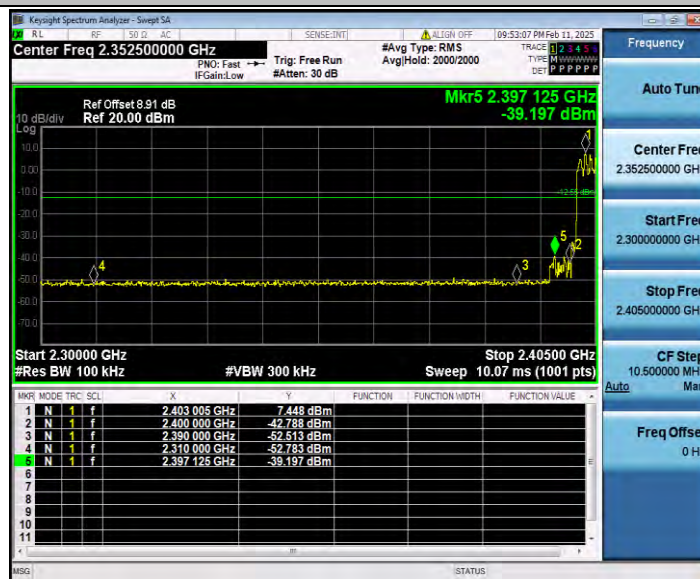
2DH1_Ant1_Low_Hop_2402



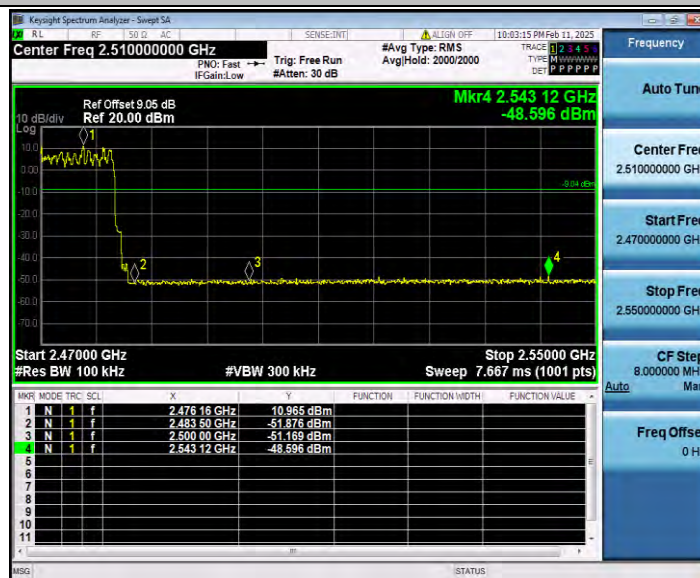
2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480

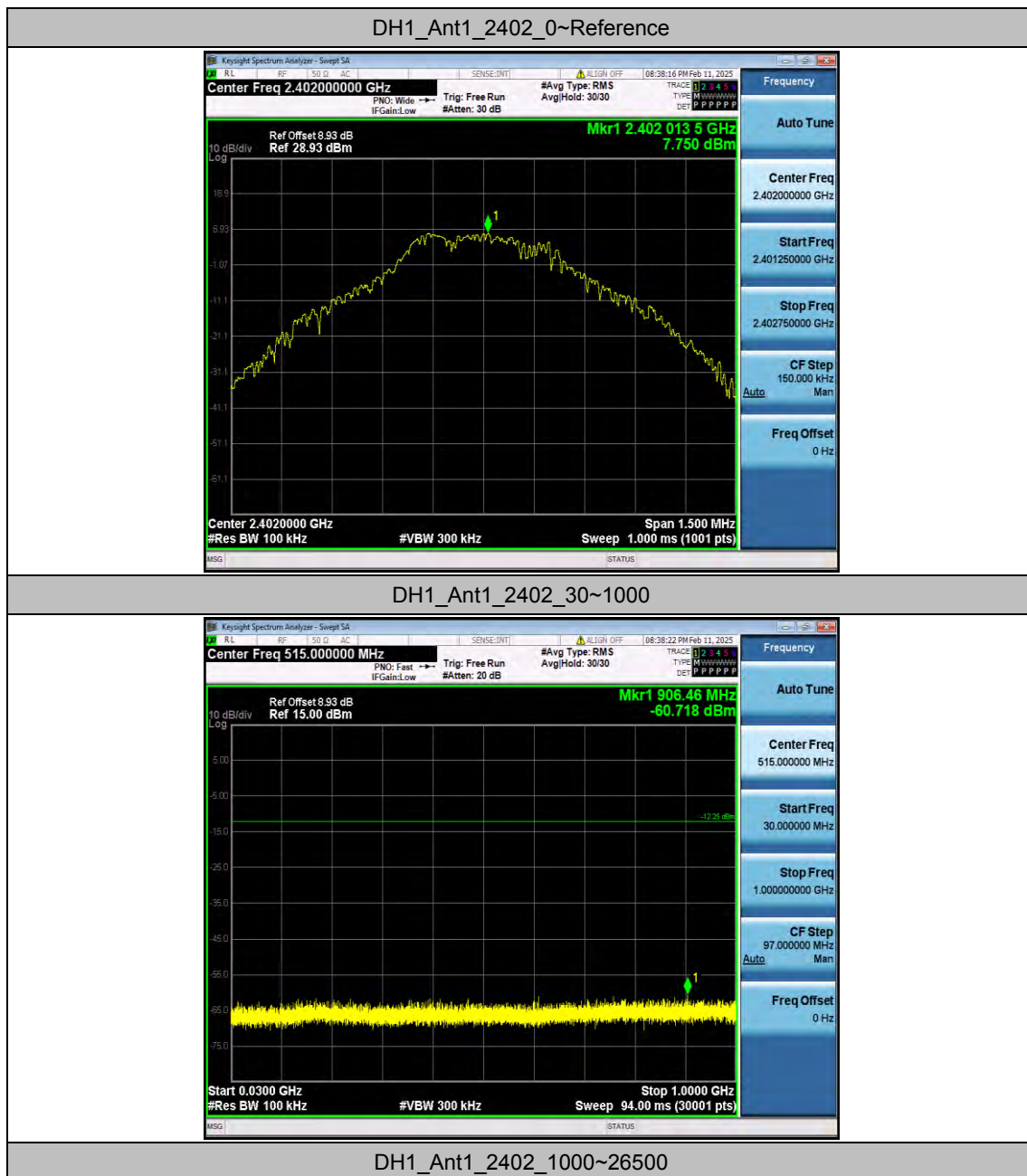


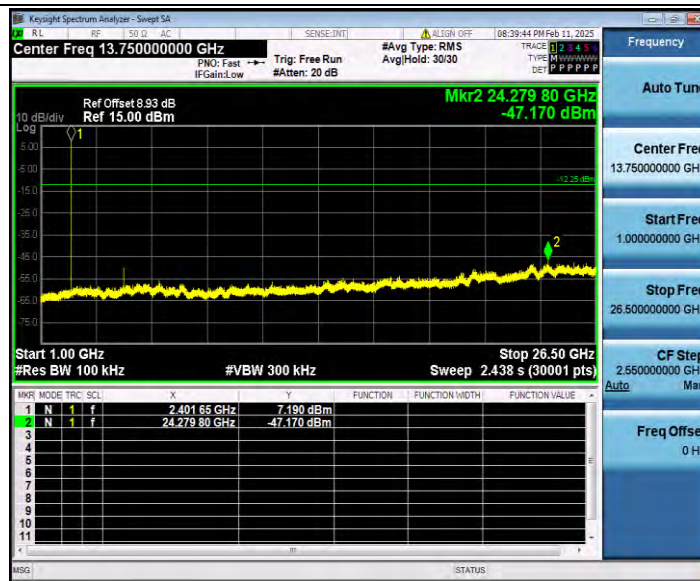
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	7.75	7.75	---	PASS
			30~1000	7.75	-60.72	≤ -12.25	PASS
			1000~26500	7.75	-47.17	≤ -12.25	PASS
		2441	Reference	10.39	10.39	---	PASS
			30~1000	10.39	-55.27	≤ -9.61	PASS
			1000~26500	10.39	-30.15	≤ -9.61	PASS
		2480	Reference	10.71	10.71	---	PASS
			30~1000	10.71	-60.78	≤ -9.29	PASS
			1000~26500	10.71	-48.03	≤ -9.29	PASS
2DH1	Ant1	2402	Reference	7.19	7.19	---	PASS
			30~1000	7.19	-60.59	≤ -12.81	PASS
			1000~26500	7.19	-47.88	≤ -12.81	PASS
		2441	Reference	10.43	10.43	---	PASS
			30~1000	10.43	-60.59	≤ -9.57	PASS
			1000~26500	10.43	-47.66	≤ -9.57	PASS
		2480	Reference	9.74	9.74	---	PASS
			30~1000	9.74	-60.48	≤ -10.26	PASS
			1000~26500	9.74	-47.84	≤ -10.26	PASS
3DH1	Ant1	2402	Reference	7.23	7.23	---	PASS
			30~1000	7.23	-60.11	≤ -12.77	PASS
			1000~26500	7.23	-47.23	≤ -12.77	PASS
		2441	Reference	10.21	10.21	---	PASS
			30~1000	10.21	-60.22	≤ -9.79	PASS
			1000~26500	10.21	-32.06	≤ -9.79	PASS
		2480	Reference	10.73	10.73	---	PASS
			30~1000	10.73	-60.5	≤ -9.27	PASS
			1000~26500	10.73	-47.7	≤ -9.27	PASS

Test Graphs

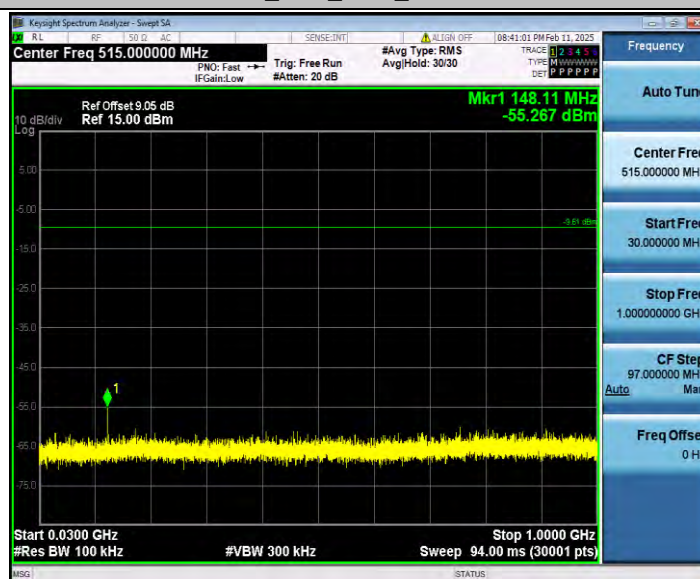




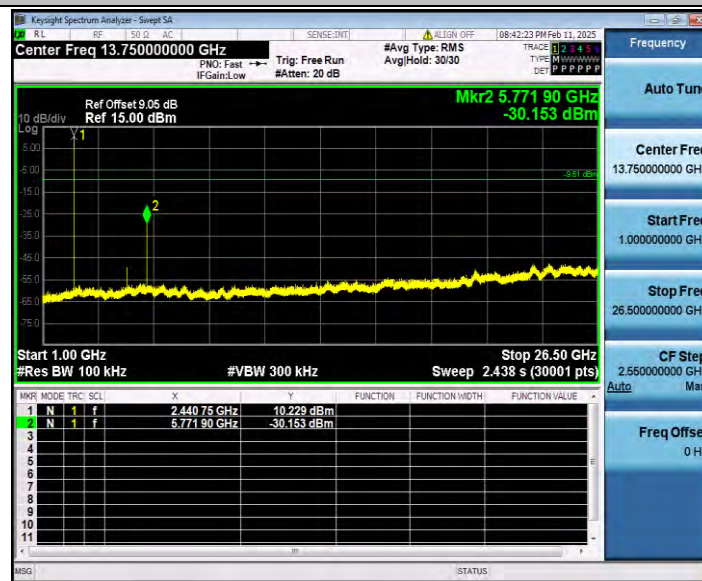
DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



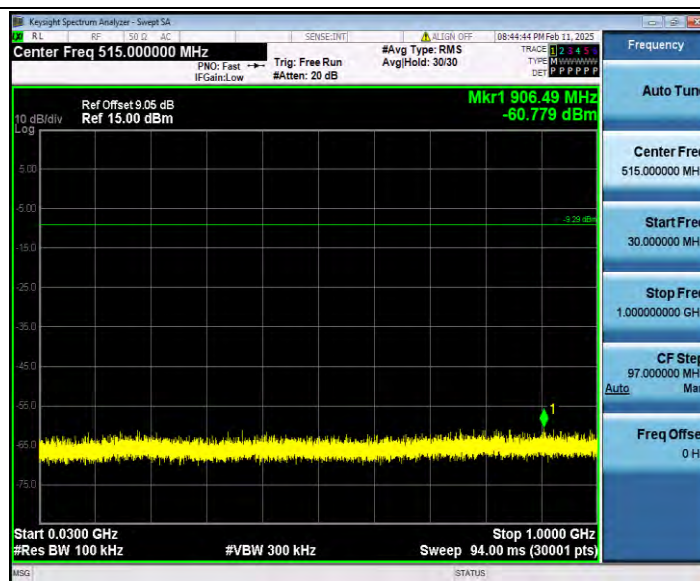
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000

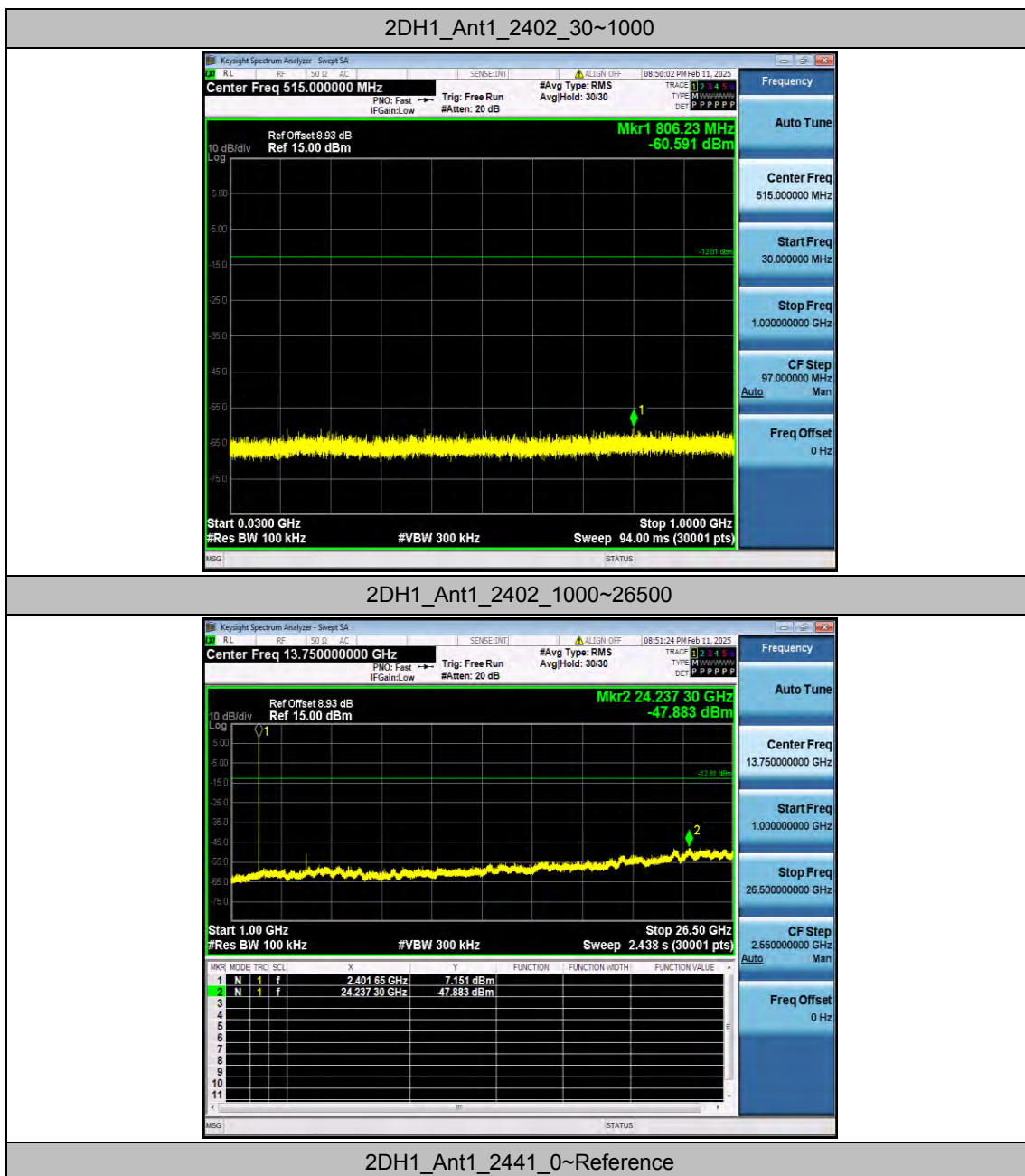


DH1_Ant1_2480_1000~26500



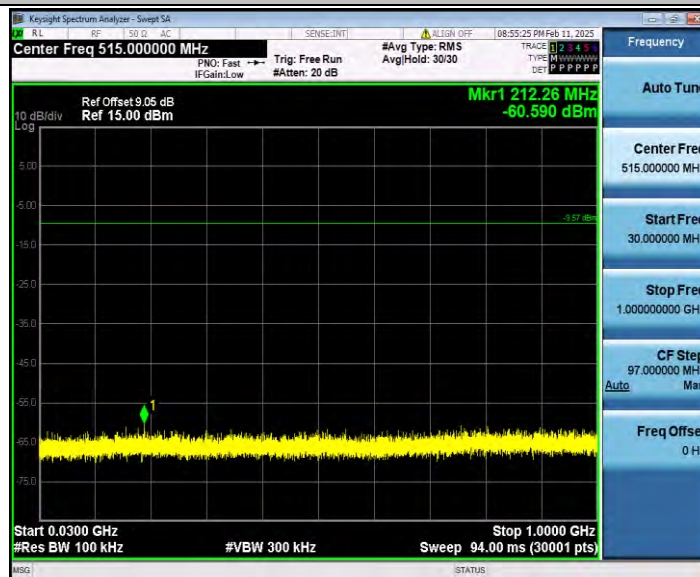
2DH1_Ant1_2402_0~Reference







2DH1_Ant1_2441_30~1000



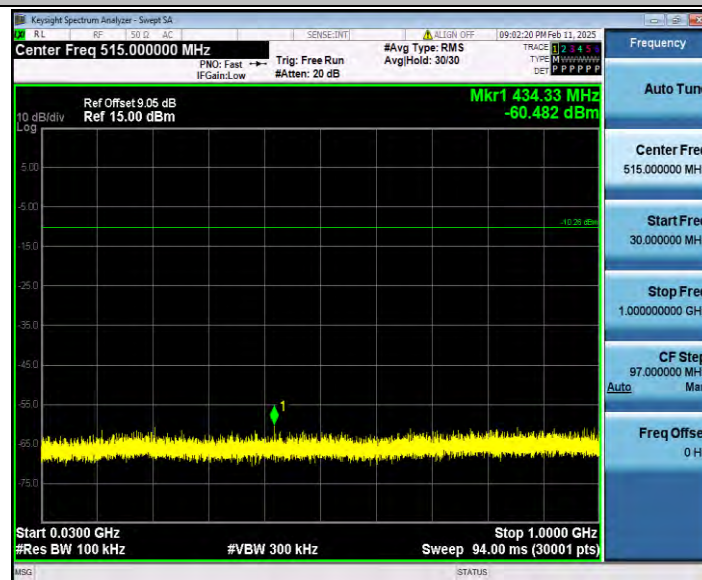
2DH1_Ant1_2441_1000~26500



2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



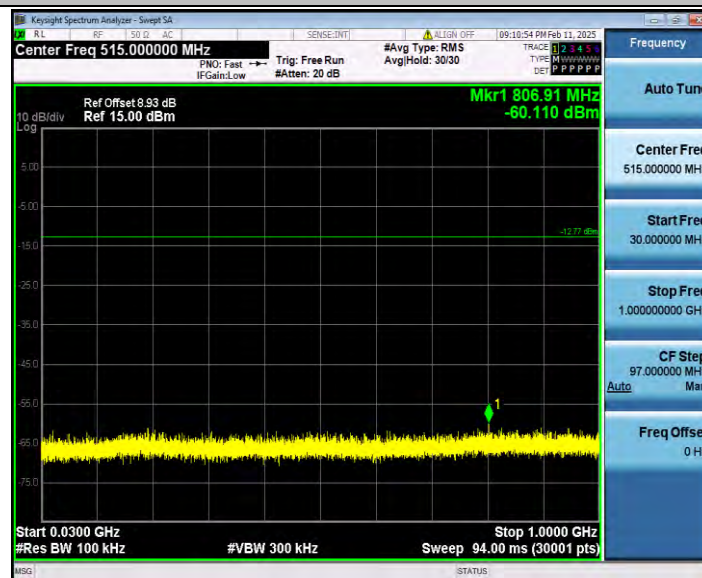
2DH1_Ant1_2480_1000~26500



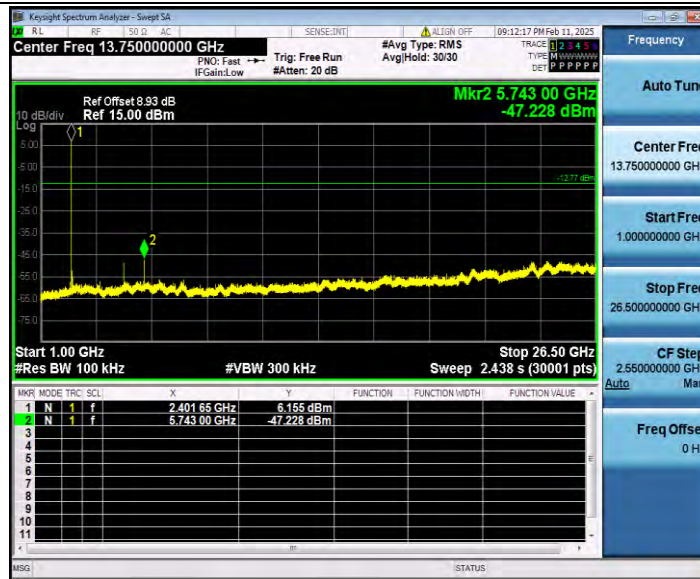
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



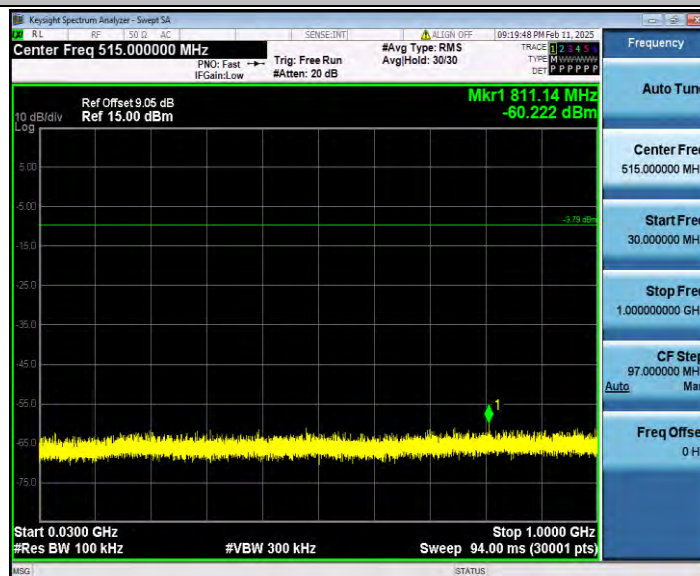
3DH1_Ant1_2402_1000~26500



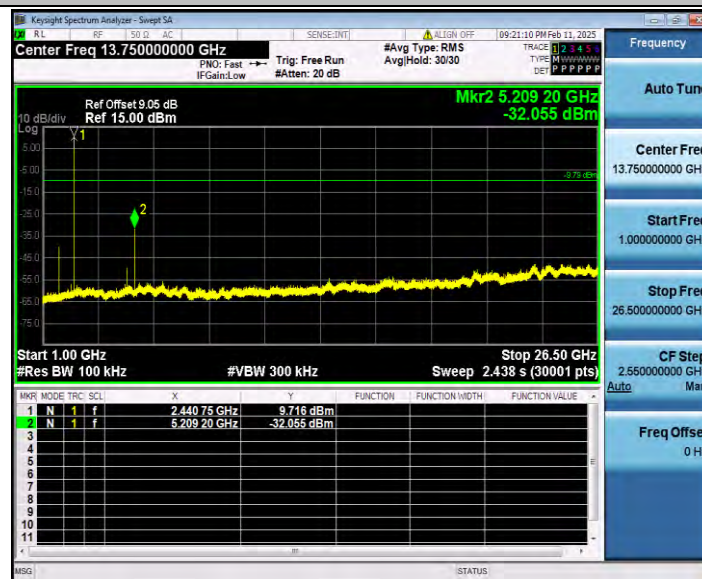
3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000

