

Case No. : <u>GTS20250410010-1-1</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.5.16</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	0.951	2401.541	2402.492	---	---
		2441	0.909	2440.541	2441.450	---	---
		2480	0.951	2479.547	2480.498	---	---
2DH1	Ant2	2402	1.428	2401.277	2402.705	---	---
		2441	1.428	2440.277	2441.705	---	---
		2480	1.440	2479.265	2480.705	---	---
3DH1	Ant2	2402	1.437	2401.268	2402.705	---	---
		2441	1.455	2440.271	2441.726	---	---
		2480	1.437	2479.283	2480.720	---	---

Test Graphs

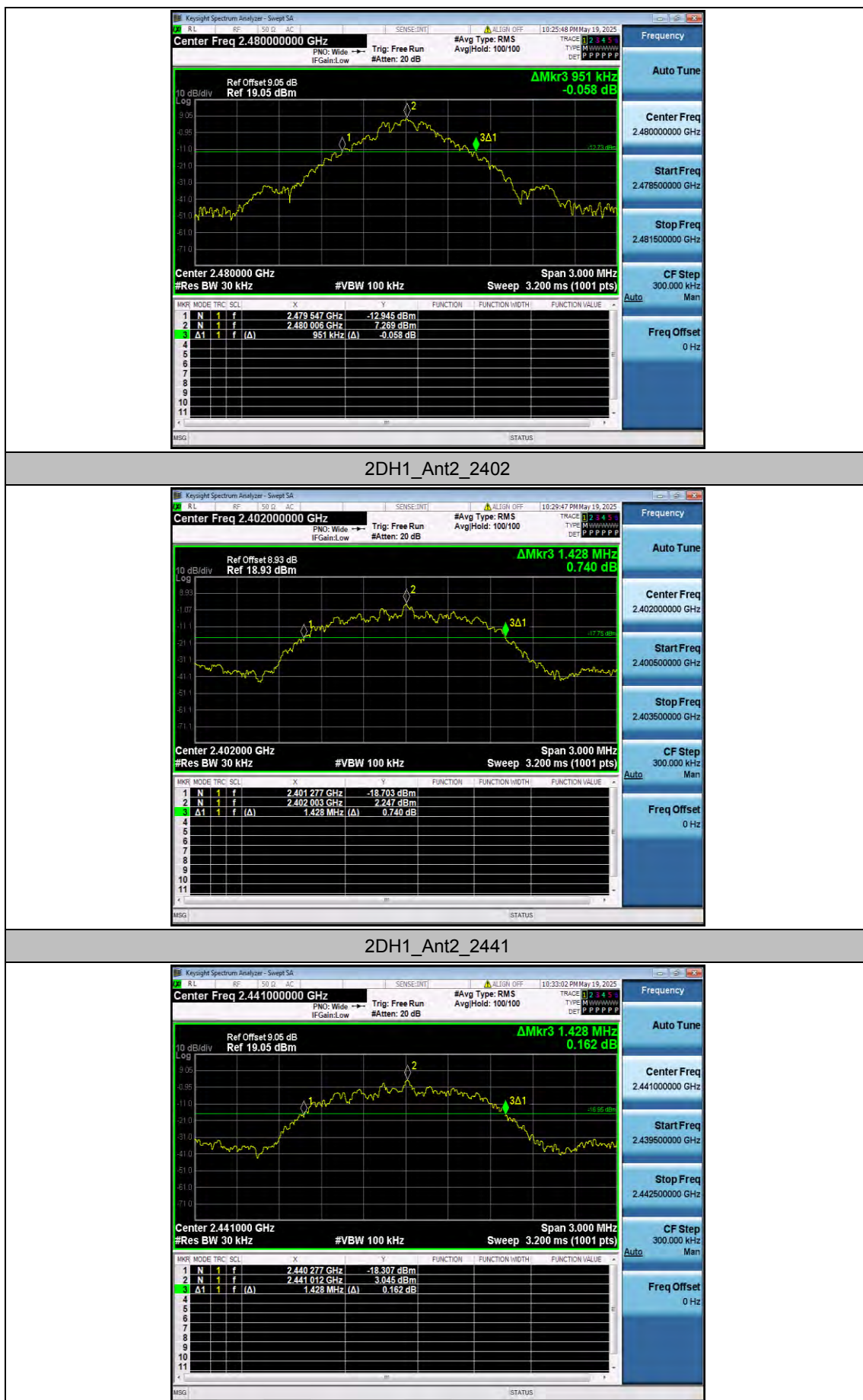
DH1_Ant2_2402



DH1_Ant2_2441



DH1_Ant2_2480



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	0.87627	2401.5610	2402.4373	---	---
		2441	0.87062	2440.5677	2441.4383	---	---
		2480	0.86467	2479.5621	2480.4268	---	---
2DH1	Ant2	2402	1.3468	2401.3223	2402.6691	---	---
		2441	1.3351	2440.3306	2441.6657	---	---
		2480	1.3383	2479.3261	2480.6644	---	---
3DH1	Ant2	2402	1.3419	2401.3253	2402.6672	---	---
		2441	1.3372	2440.3330	2441.6702	---	---
		2480	1.3315	2479.3254	2480.6569	---	---

Test Graphs

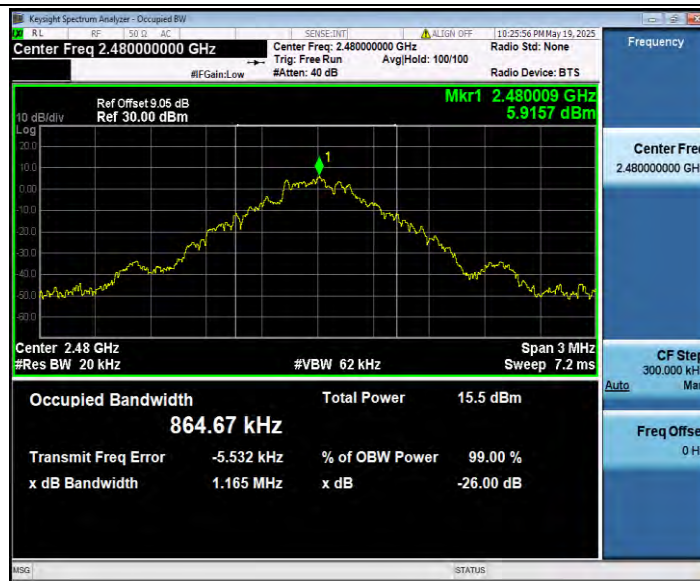
DH1_Ant2_2402



DH1_Ant2_2441



DH1_Ant2_2480



2DH1_Ant2_2402



2DH1_Ant2_2441



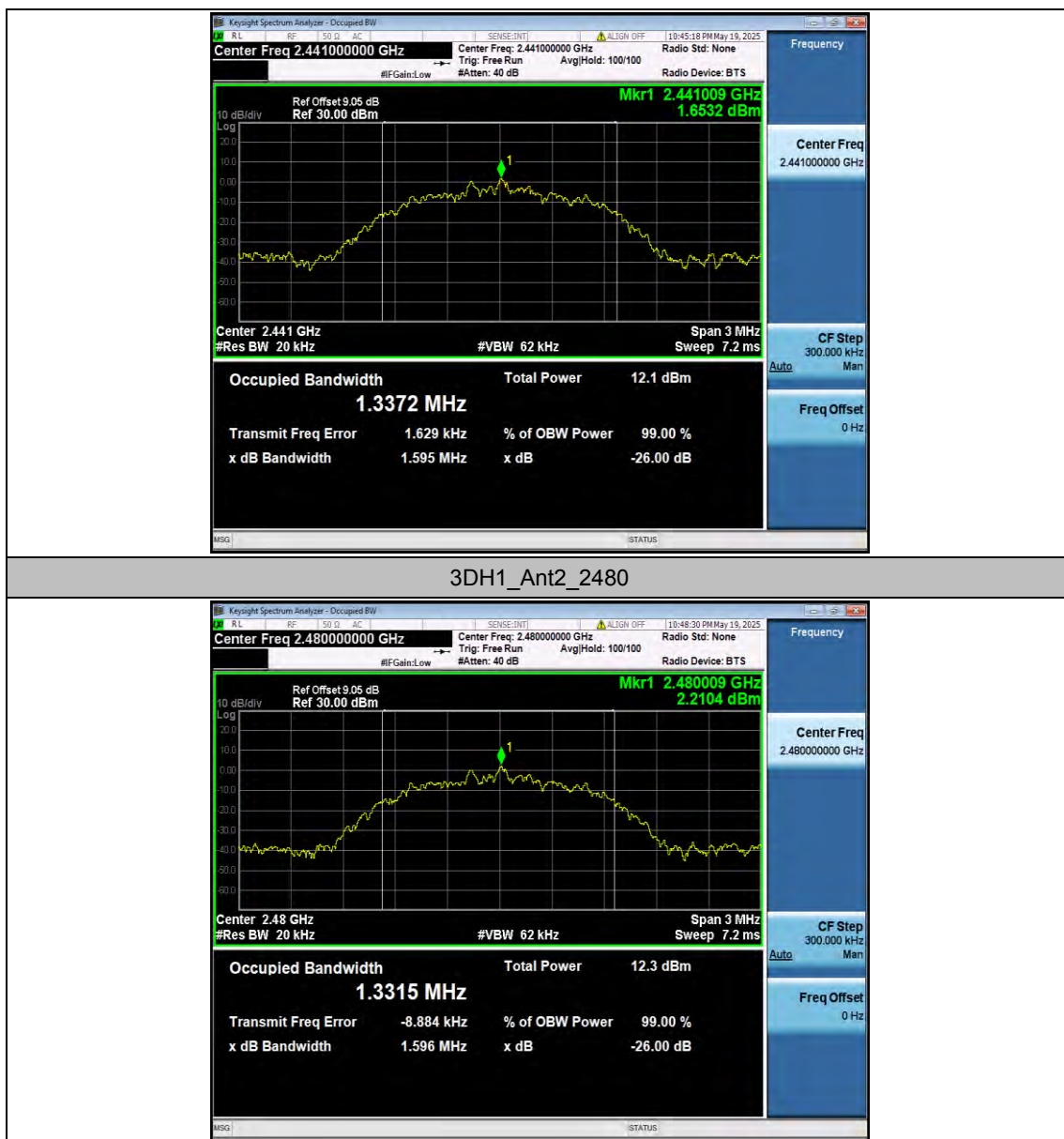
2DH1_Ant2_2480



3DH1_Ant2_2402



3DH1_Ant2_2441



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	8.51	≤ 20.97	PASS
		2441	9.12	≤ 20.97	PASS
		2480	9.60	≤ 20.97	PASS
2DH1	Ant2	2402	6.66	≤ 20.97	PASS
		2441	7.41	≤ 20.97	PASS
		2480	7.63	≤ 20.97	PASS
3DH1	Ant2	2402	6.70	≤ 20.97	PASS
		2441	7.49	≤ 20.97	PASS
		2480	7.82	≤ 20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant2	Hop_2402	0.98	≥ 0.634	PASS
		Hop_2441	0.844	≥ 0.634	PASS
		Hop_2480	1.014	≥ 0.634	PASS
2DH1	Ant2	Hop_2402	1	≥ 0.960	PASS
		Hop_2441	1.006	≥ 0.960	PASS
		Hop_2480	1.188	≥ 0.960	PASS
3DH1	Ant2	Hop_2402	1.006	≥ 0.970	PASS
		Hop_2441	1.002	≥ 0.970	PASS
		Hop_2480	1.006	≥ 0.970	PASS

Test Graphs

DH1_Ant2_Hop_2402



DH1_Ant2_Hop_2441



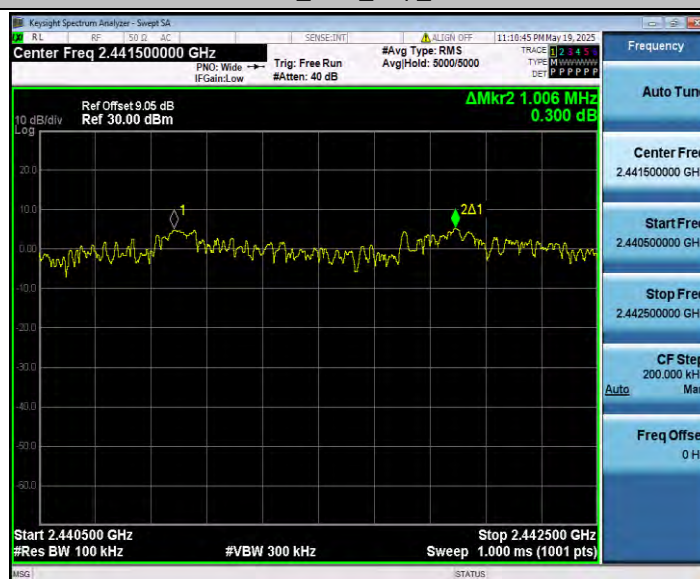
DH1_Ant2_Hop_2480



2DH1_Ant2_Hop_2402



2DH1_Ant2_Hop_2441



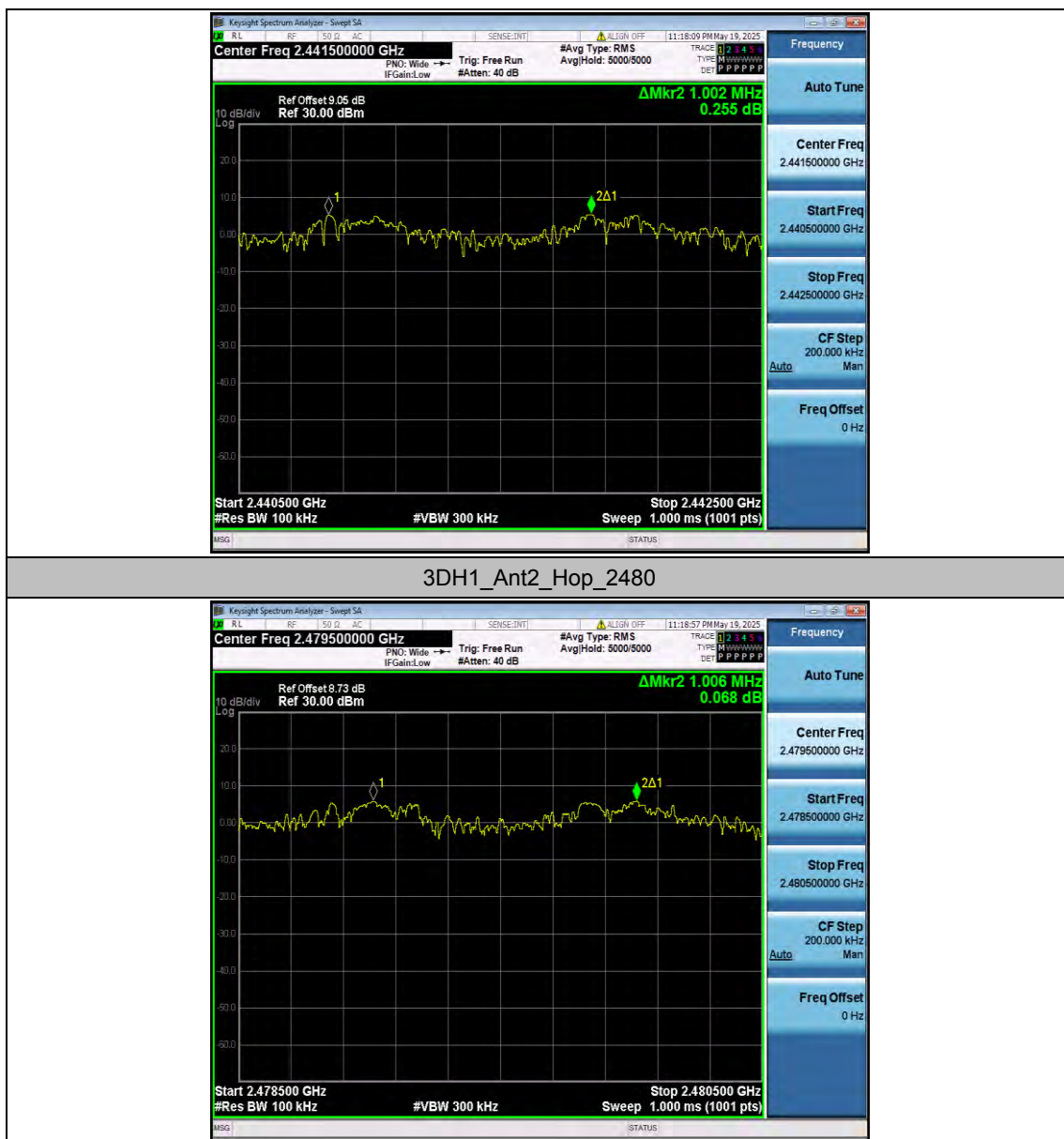
2DH1_Ant2_Hop_2480



3DH1_Ant2_Hop_2402



3DH1_Ant2_Hop_2441

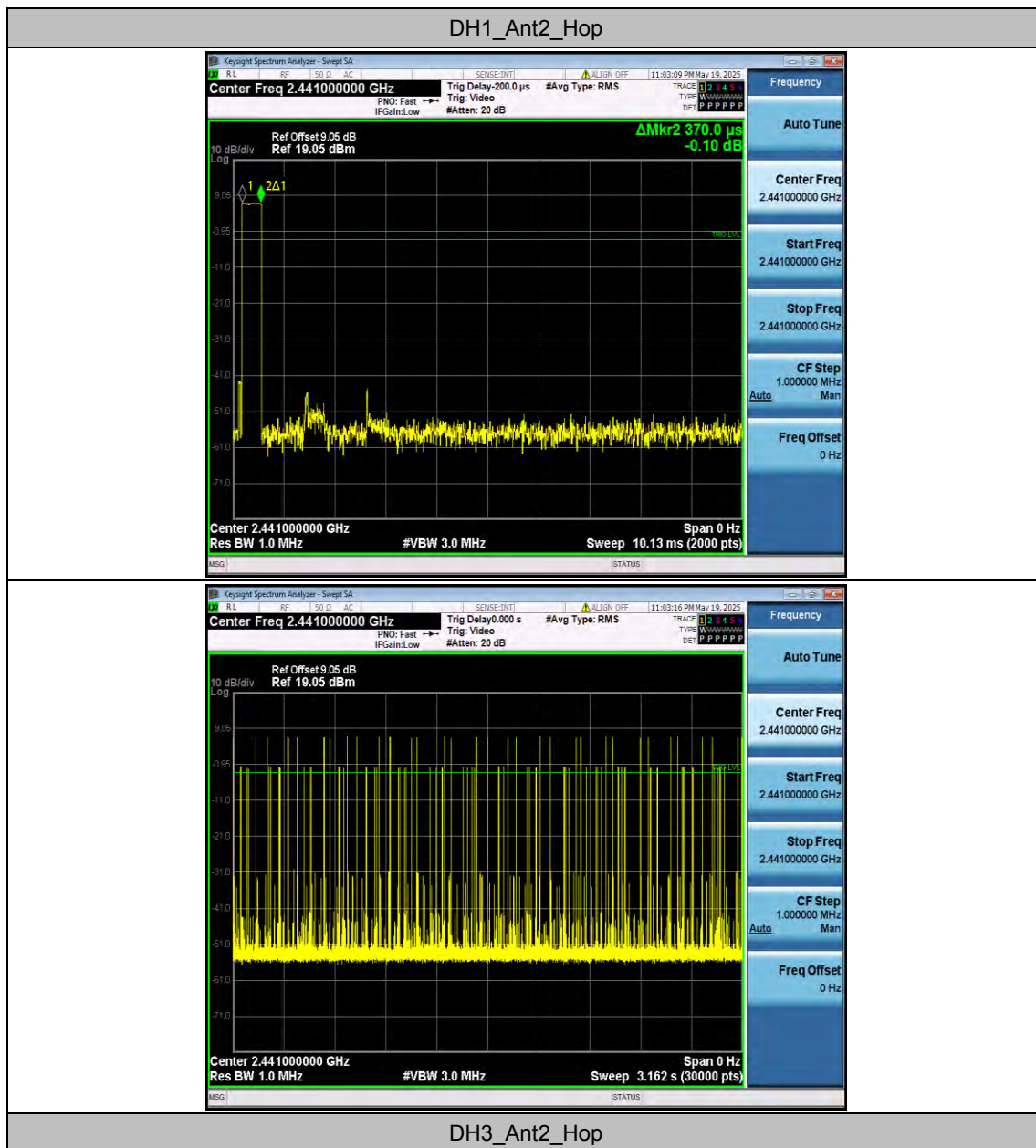


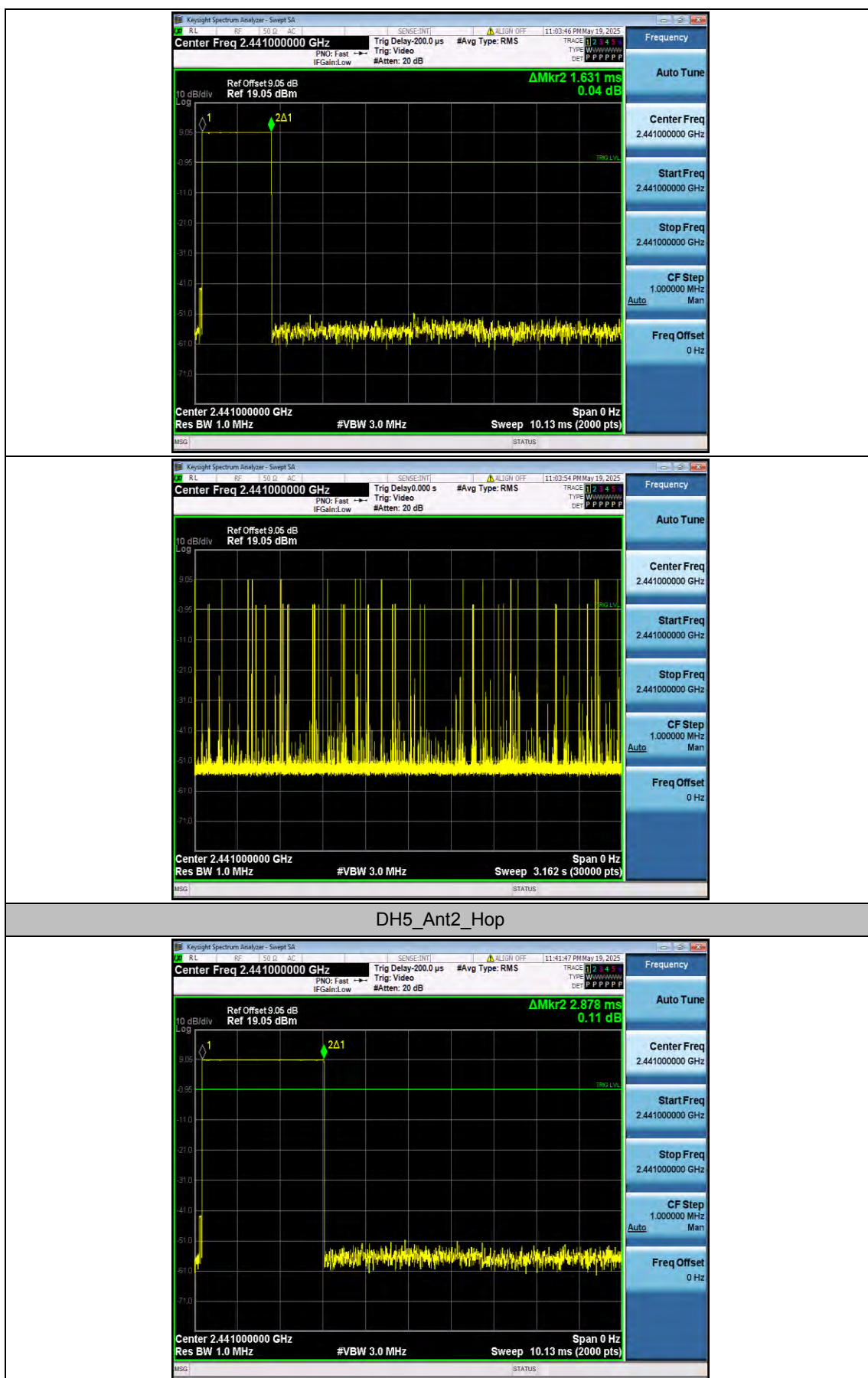
Appendix A.5: Time of occupancy

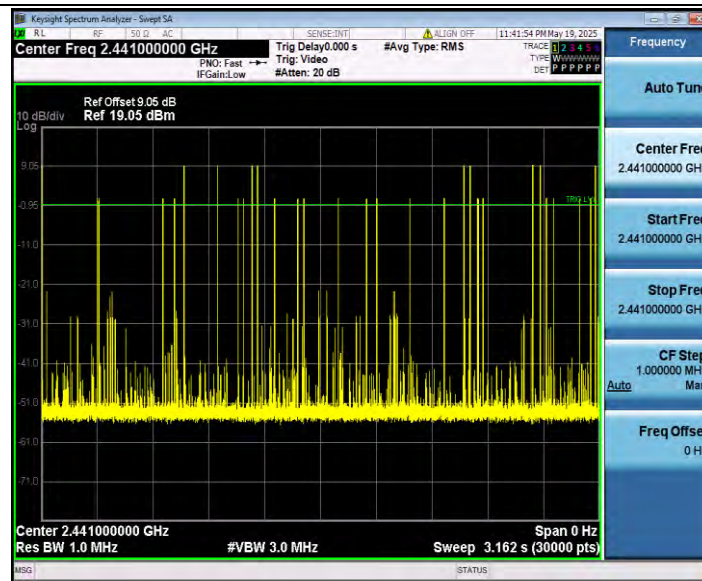
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant2	Hop	0.370	330	0.122	≤0.4	PASS
DH3	Ant2	Hop	1.631	190	0.31	≤0.4	PASS
DH5	Ant2	Hop	2.878	100	0.288	≤0.4	PASS
2DH1	Ant2	Hop	0.380	310	0.118	≤0.4	PASS
2DH3	Ant2	Hop	1.626	150	0.244	≤0.4	PASS
2DH5	Ant2	Hop	2.878	110	0.317	≤0.4	PASS
3DH1	Ant2	Hop	0.380	320	0.122	≤0.4	PASS
3DH3	Ant2	Hop	1.627	150	0.244	≤0.4	PASS
3DH5	Ant2	Hop	2.873	120	0.345	≤0.4	PASS

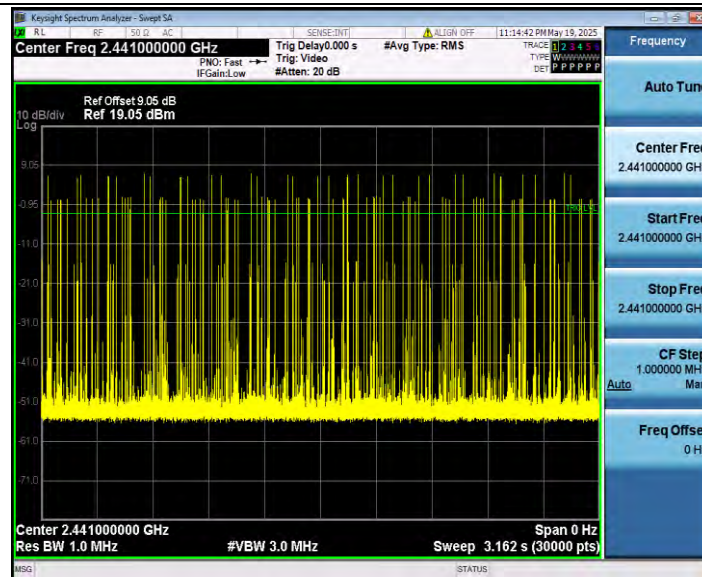
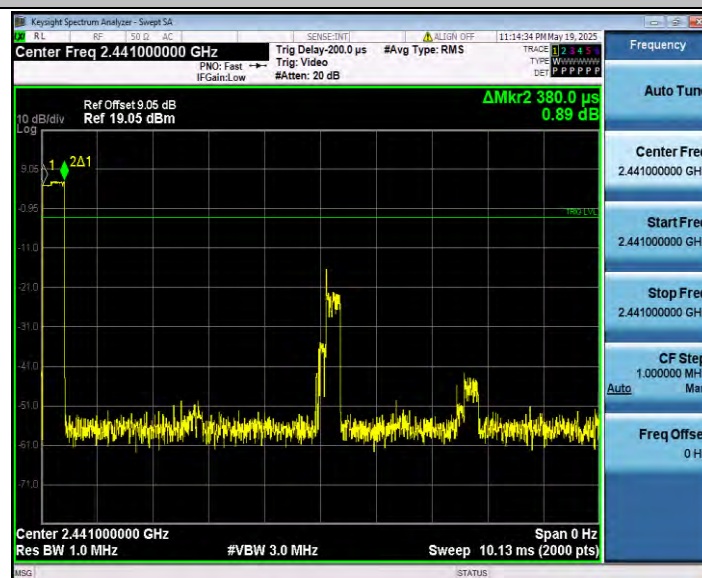
Test Graphs



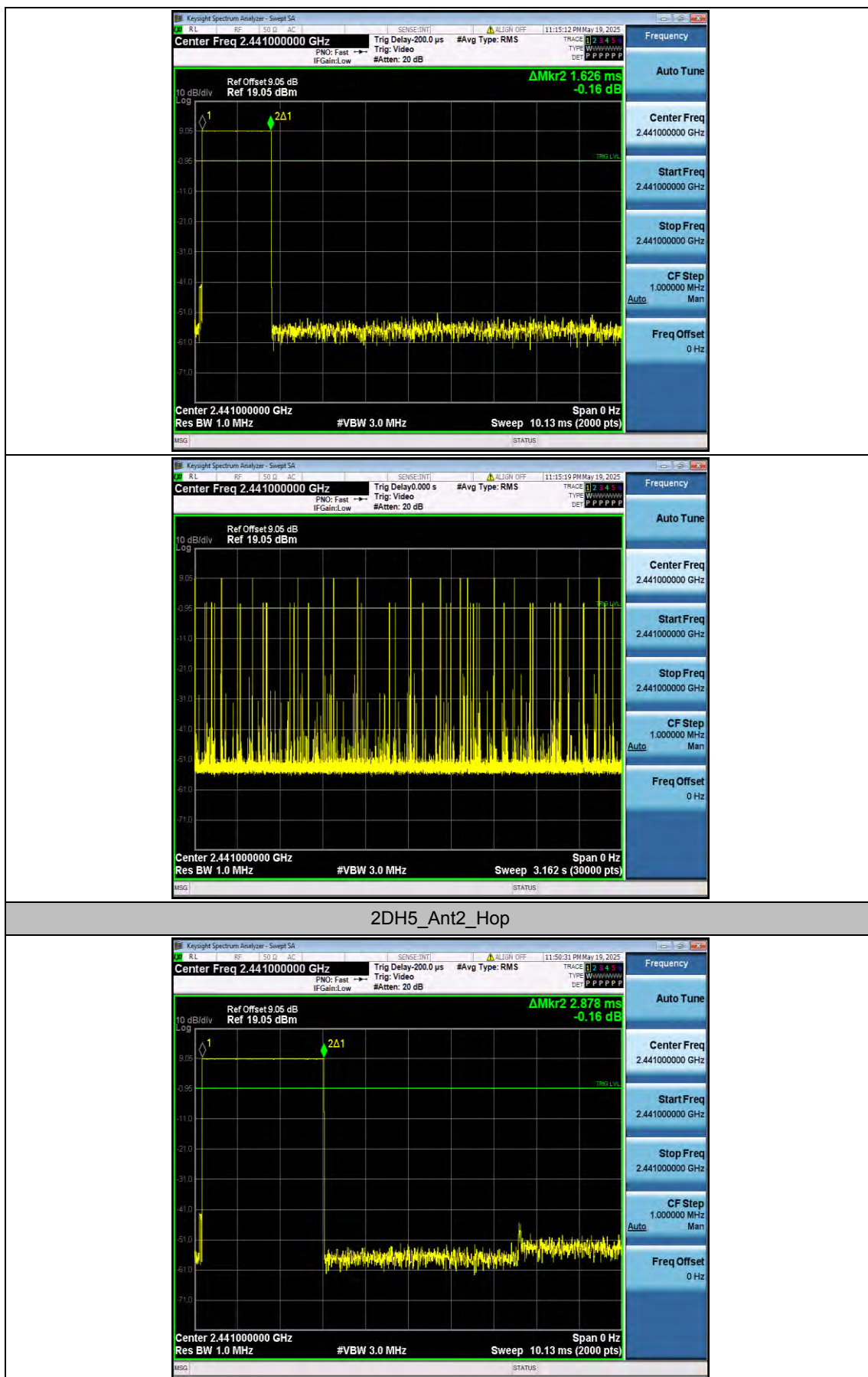


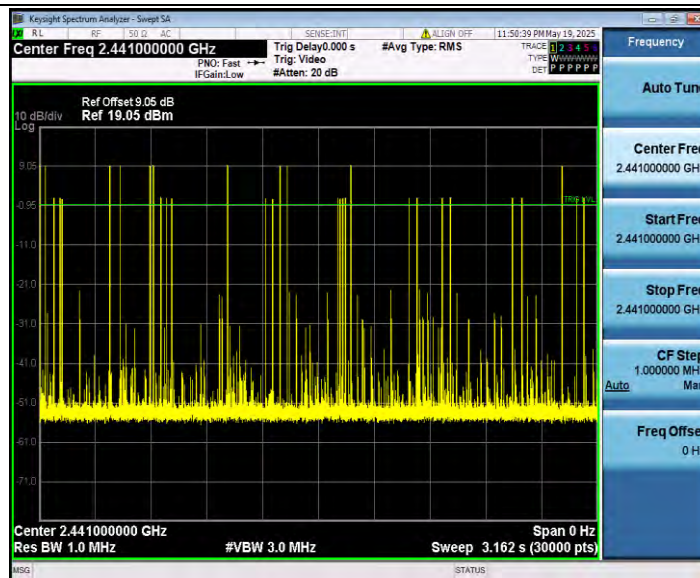


2DH1_Ant2_Hop

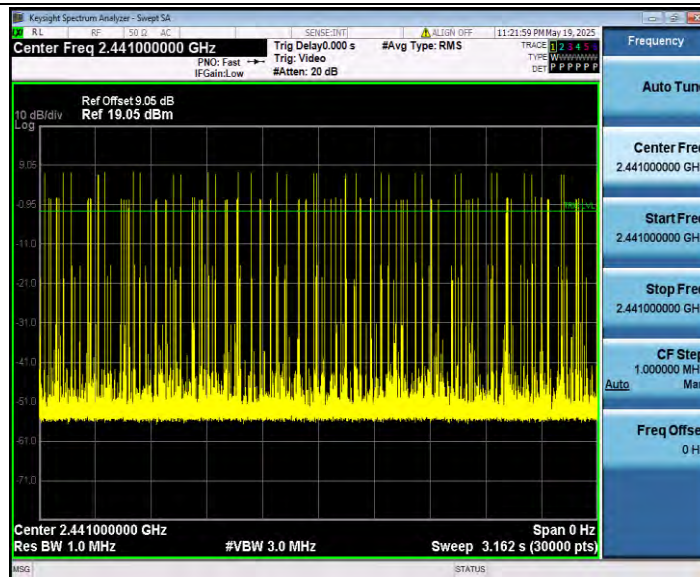
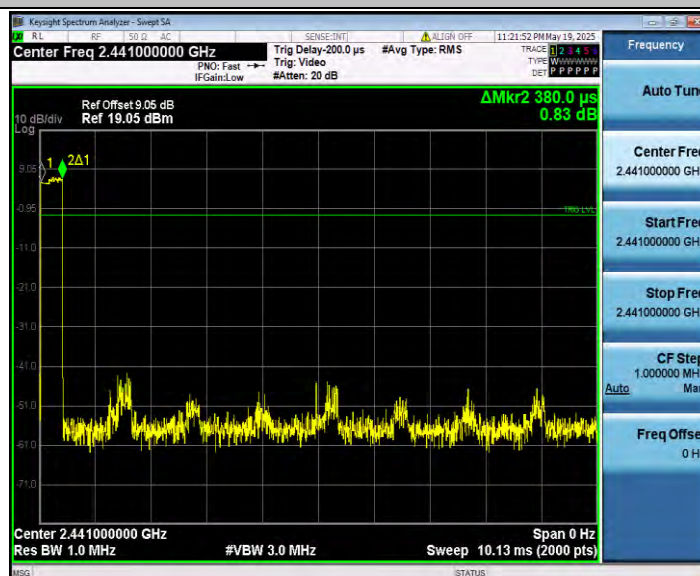


2DH3_Ant2_Hop

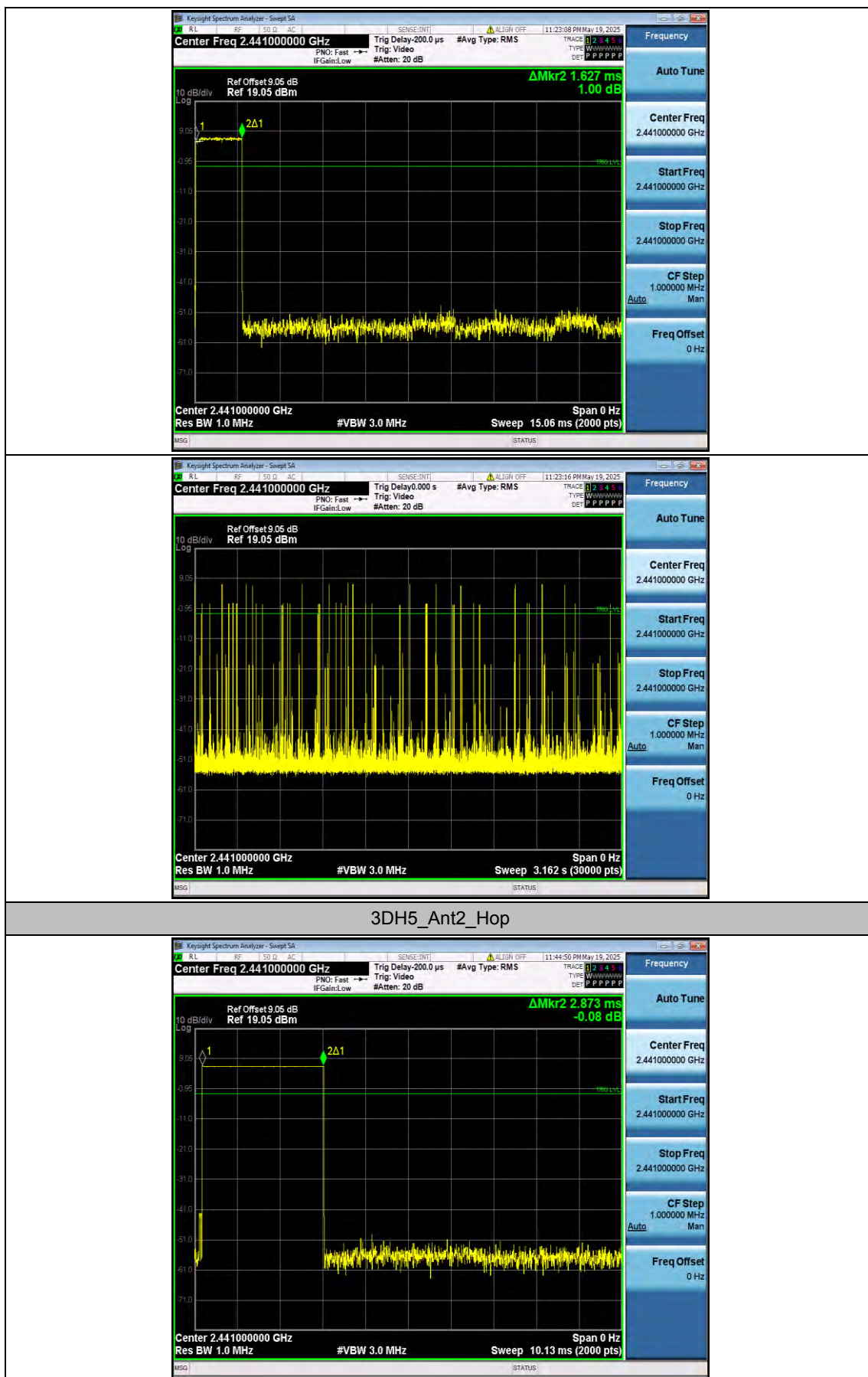


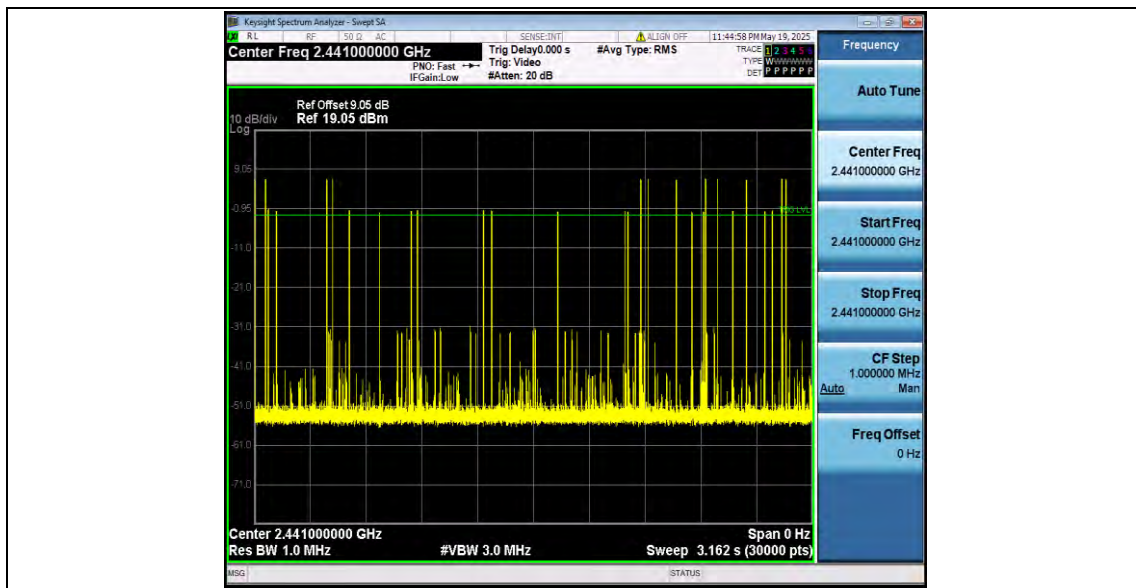


3DH1_Ant2_Hop



3DH3_Ant2_Hop



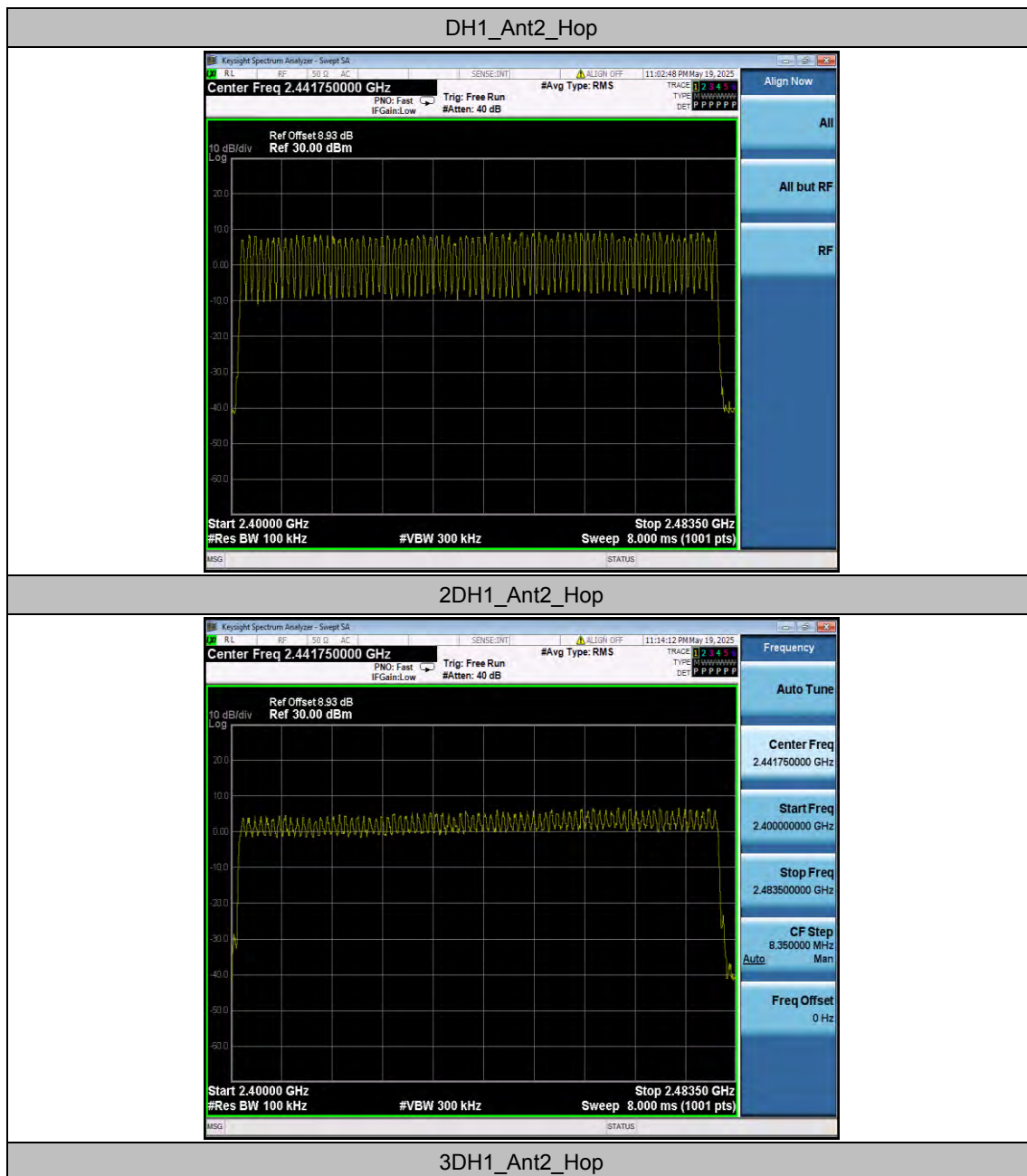


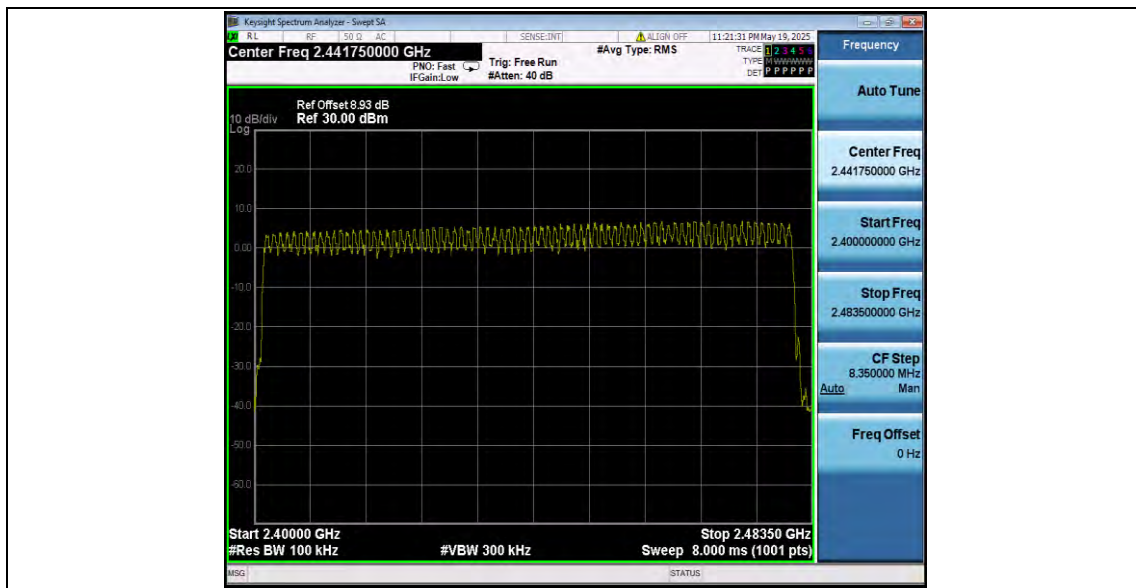
Appendix A.6: Number of hopping channels

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





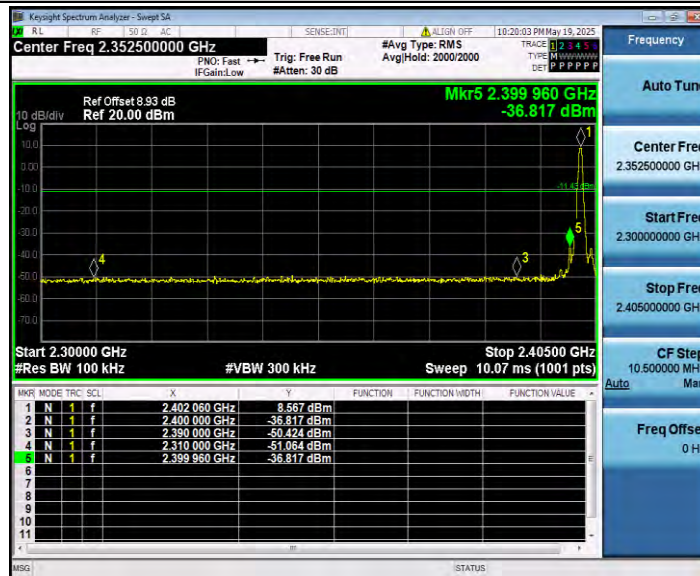
Appendix A.7: Band edge measurements

Test Result

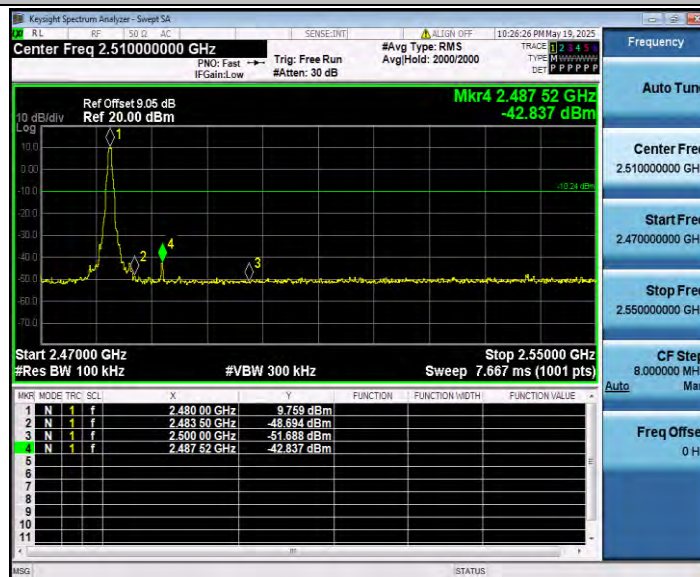
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant2	Low	2402	8.57	-36.82	≤ -11.43	PASS
		High	2480	9.76	-42.84	≤ -10.24	PASS
		Low	Hop_2402	8.14	-42.78	≤ -11.86	PASS
		High	Hop_2480	6.97	-48.96	≤ -13.03	PASS
2DH1	Ant2	Low	2402	4.61	-41.24	≤ -15.39	PASS
		High	2480	5.76	-42.44	≤ -14.25	PASS
		Low	Hop_2402	4.27	-46.75	≤ -15.73	PASS
		High	Hop_2480	9.44	-49.18	≤ -10.56	PASS
3DH1	Ant2	Low	2402	4.65	-38.84	≤ -15.35	PASS
		High	2480	5.77	-41.96	≤ -14.23	PASS
		Low	Hop_2402	4.41	-41.88	≤ -15.59	PASS
		High	Hop_2480	6.64	-45.87	≤ -13.36	PASS

Test Graphs

DH1_Ant2_Low_2402

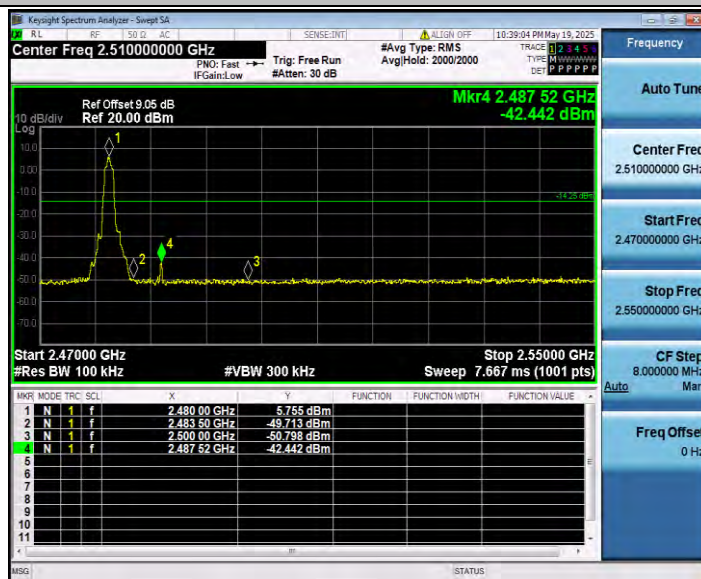


DH1_Ant2_High_2480

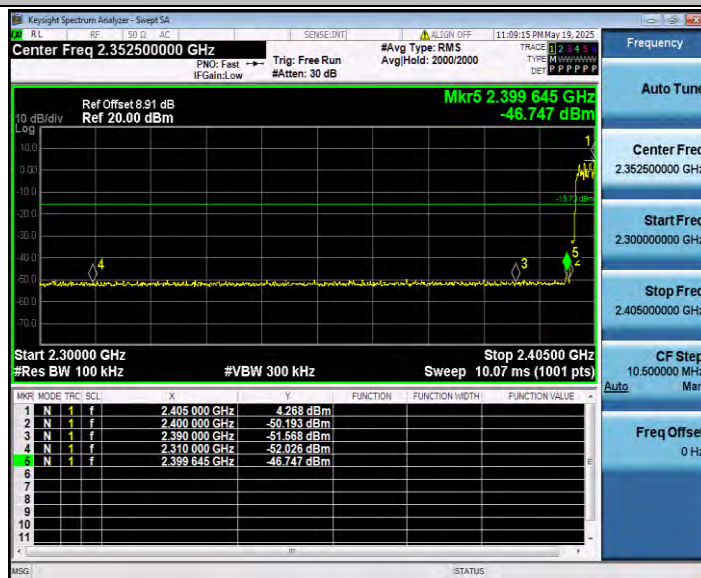


DH1_Ant2_Low_Hop_2402

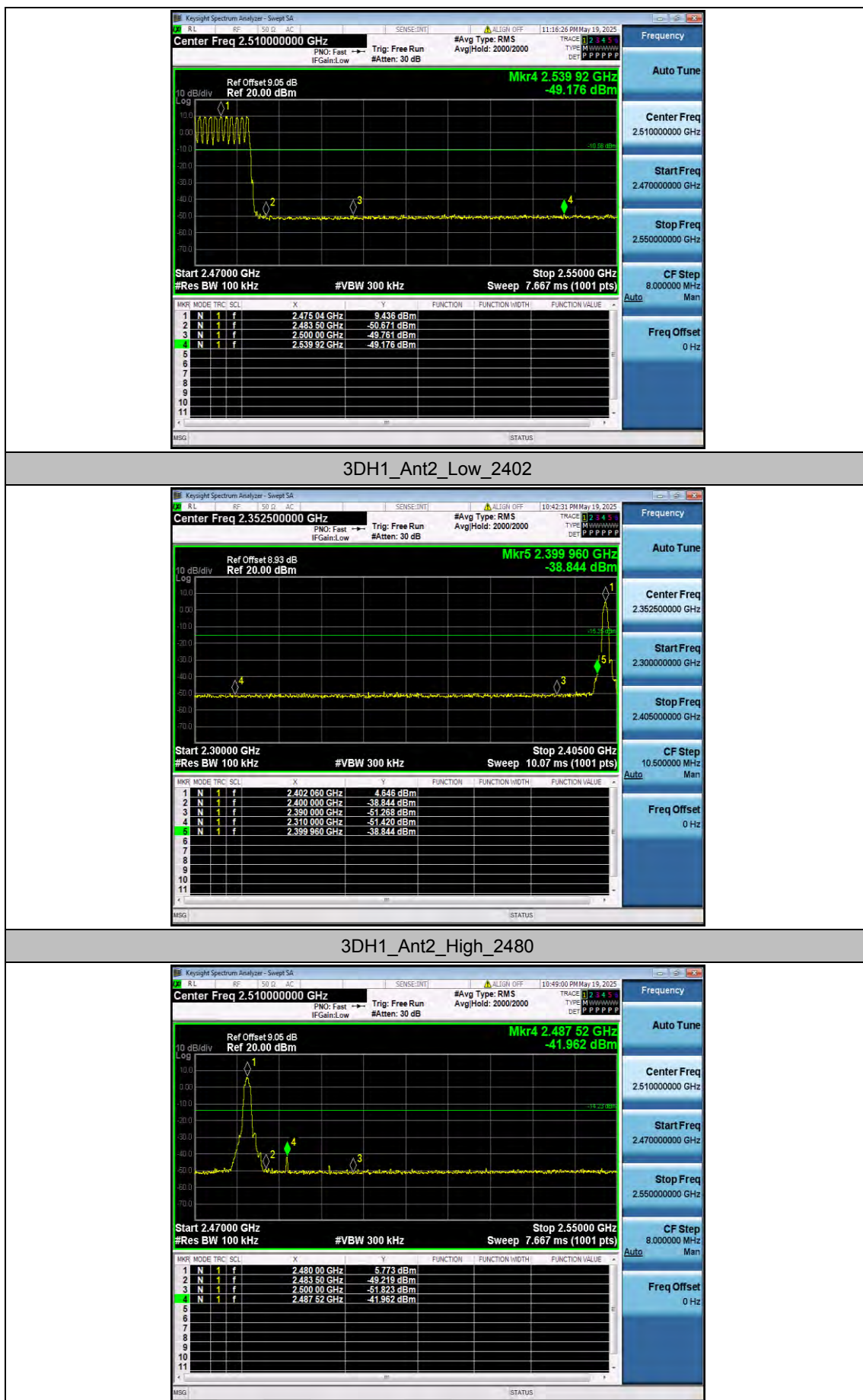
2DH1_Ant2_High_2480



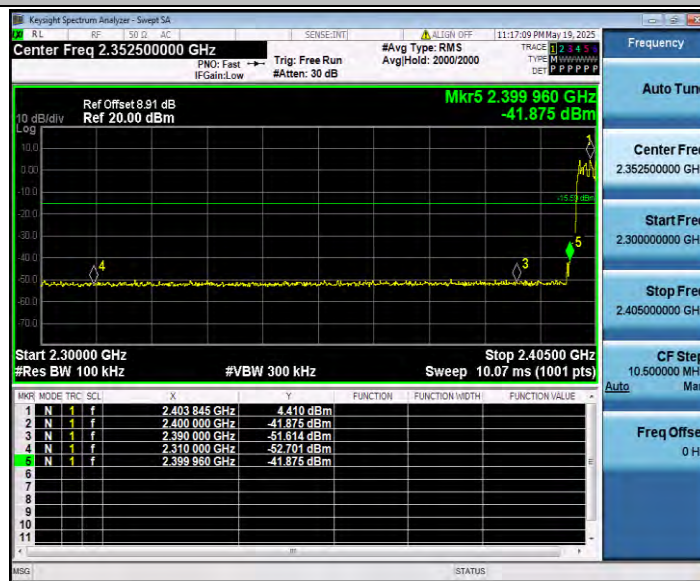
2DH1_Ant2_Low_Hop_2402



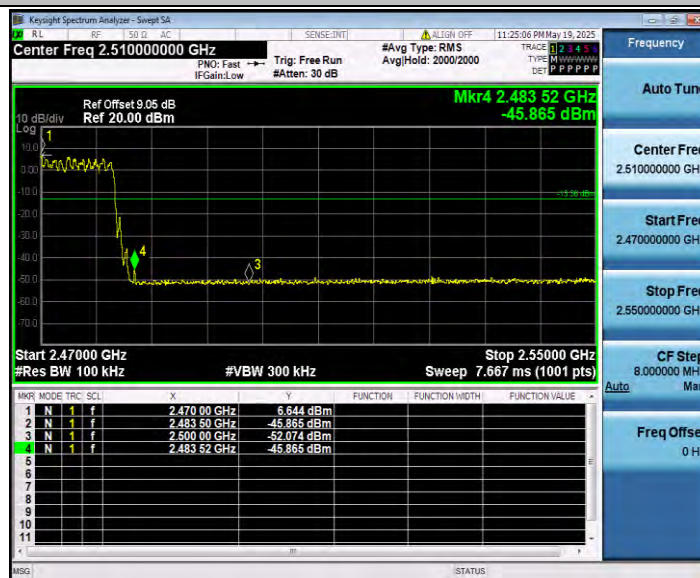
2DH1_Ant2_High_Hop_2480



3DH1_Ant2_Low_Hop_2402



3DH1_Ant2_High_Hop_2480

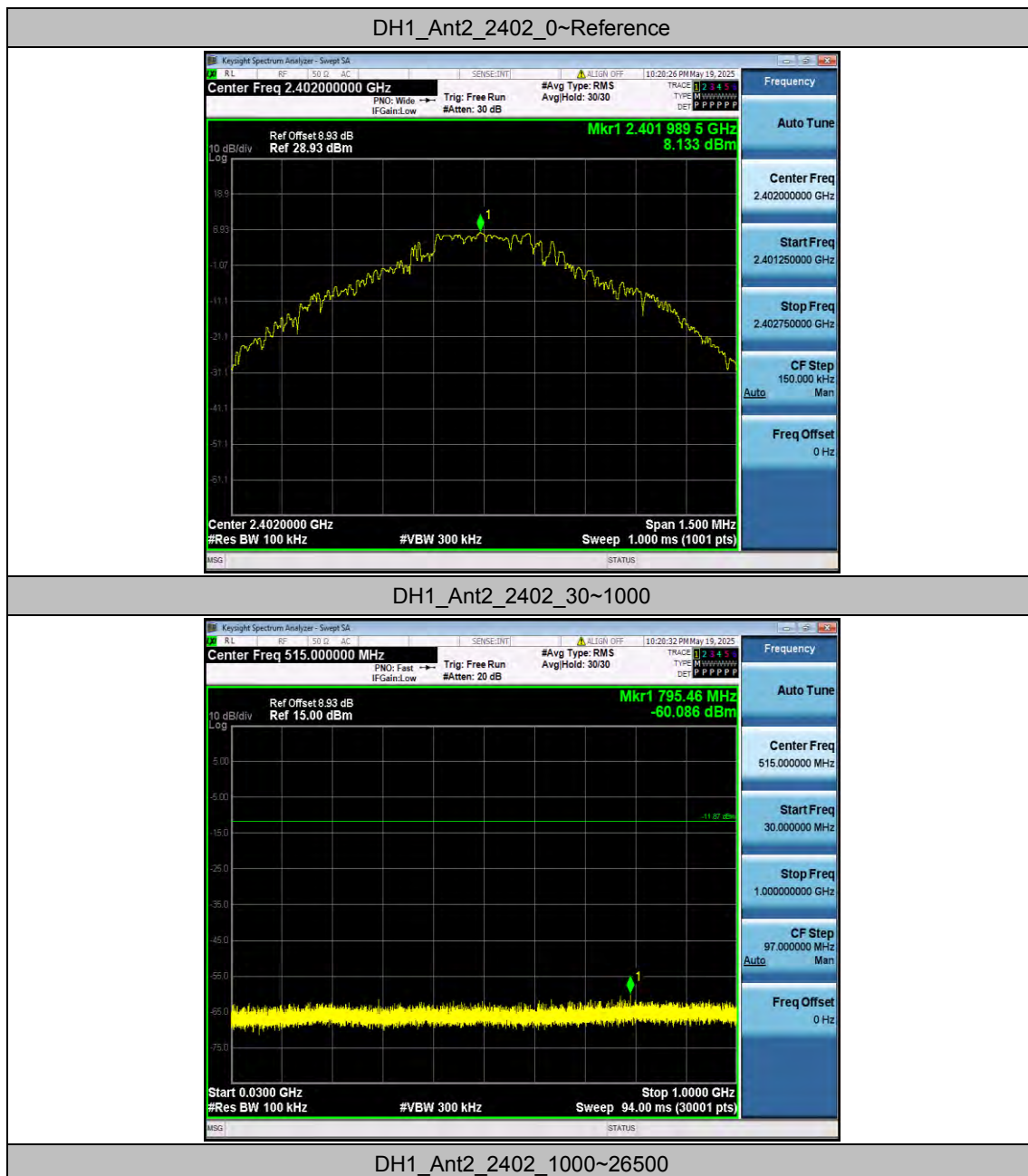


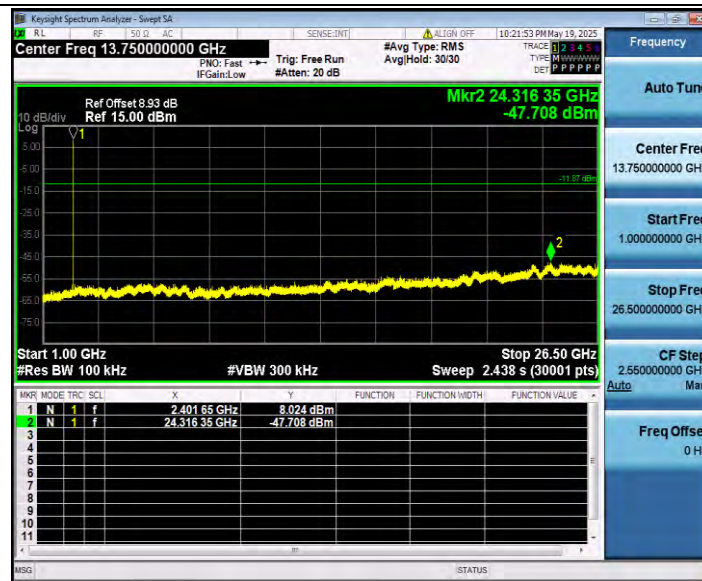
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant2	2402	Reference	8.13	8.13	---	PASS
			30~1000	8.13	-60.09	≤ -11.87	PASS
			1000~26500	8.13	-47.71	≤ -11.87	PASS
		2441	Reference	8.71	8.71	---	PASS
			30~1000	8.71	-60.66	≤ -11.29	PASS
			1000~26500	8.71	-46.69	≤ -11.29	PASS
		2480	Reference	9.47	9.47	---	PASS
			30~1000	9.47	-60.32	≤ -10.53	PASS
			1000~26500	9.47	-47.65	≤ -10.53	PASS
2DH1	Ant2	2402	Reference	4.29	4.29	---	PASS
			30~1000	4.29	-60.62	≤ -15.71	PASS
			1000~26500	4.29	-47.36	≤ -15.71	PASS
		2441	Reference	5.12	5.12	---	PASS
			30~1000	5.12	-60.87	≤ -14.88	PASS
			1000~26500	5.12	-47.36	≤ -14.88	PASS
		2480	Reference	5.42	5.42	---	PASS
			30~1000	5.42	-60.41	≤ -14.58	PASS
			1000~26500	5.42	-47.71	≤ -14.58	PASS
3DH1	Ant2	2402	Reference	4.19	4.19	---	PASS
			30~1000	4.19	-60.43	≤ -15.81	PASS
			1000~26500	4.19	-47.55	≤ -15.81	PASS
		2441	Reference	5.19	5.19	---	PASS
			30~1000	5.19	-60.95	≤ -14.81	PASS
			1000~26500	5.19	-47.5	≤ -14.81	PASS
		2480	Reference	5.64	5.64	---	PASS
			30~1000	5.64	-59.97	≤ -14.36	PASS
			1000~26500	5.64	-47.41	≤ -14.36	PASS

Test Graphs

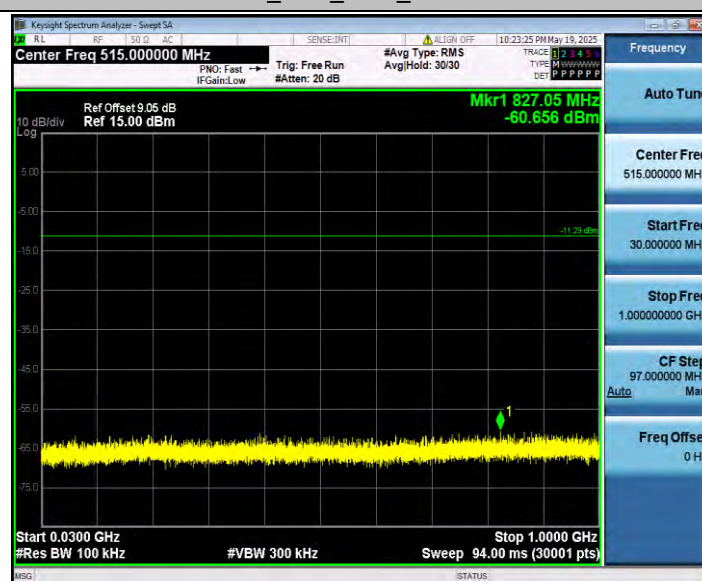




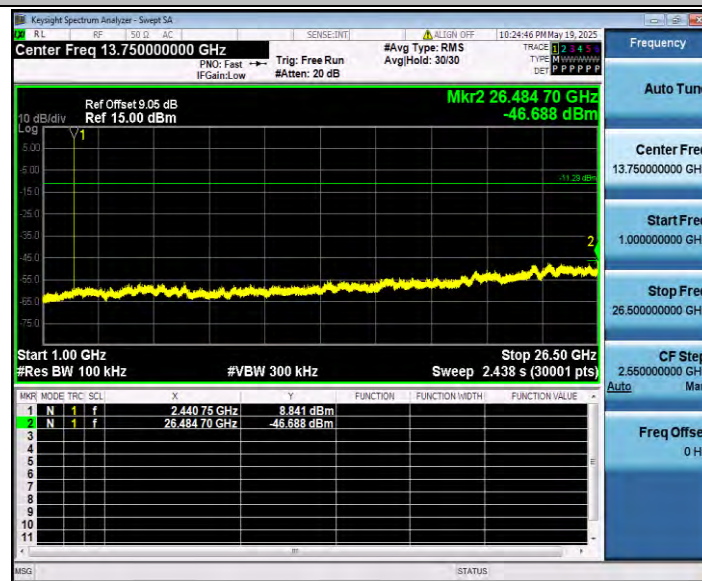
DH1_Ant2_2441_0~Reference



DH1_Ant2_2441_30~1000



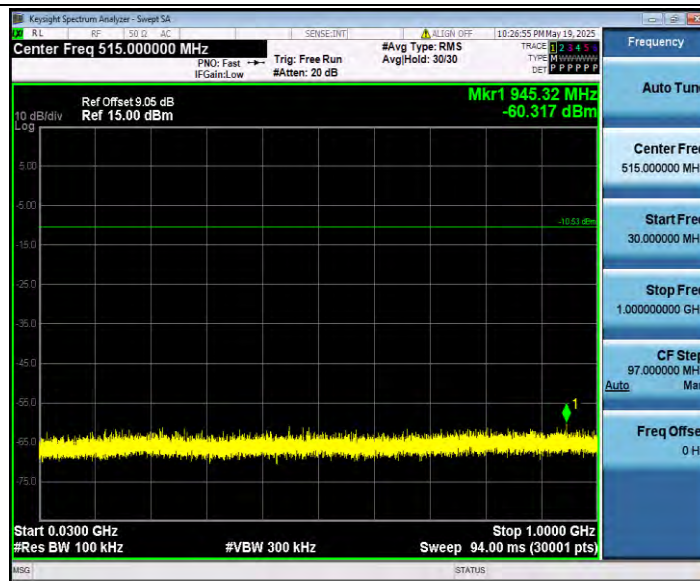
DH1_Ant2_2441_1000~26500



DH1_Ant2_2480_0~Reference



DH1_Ant2_2480_30~1000

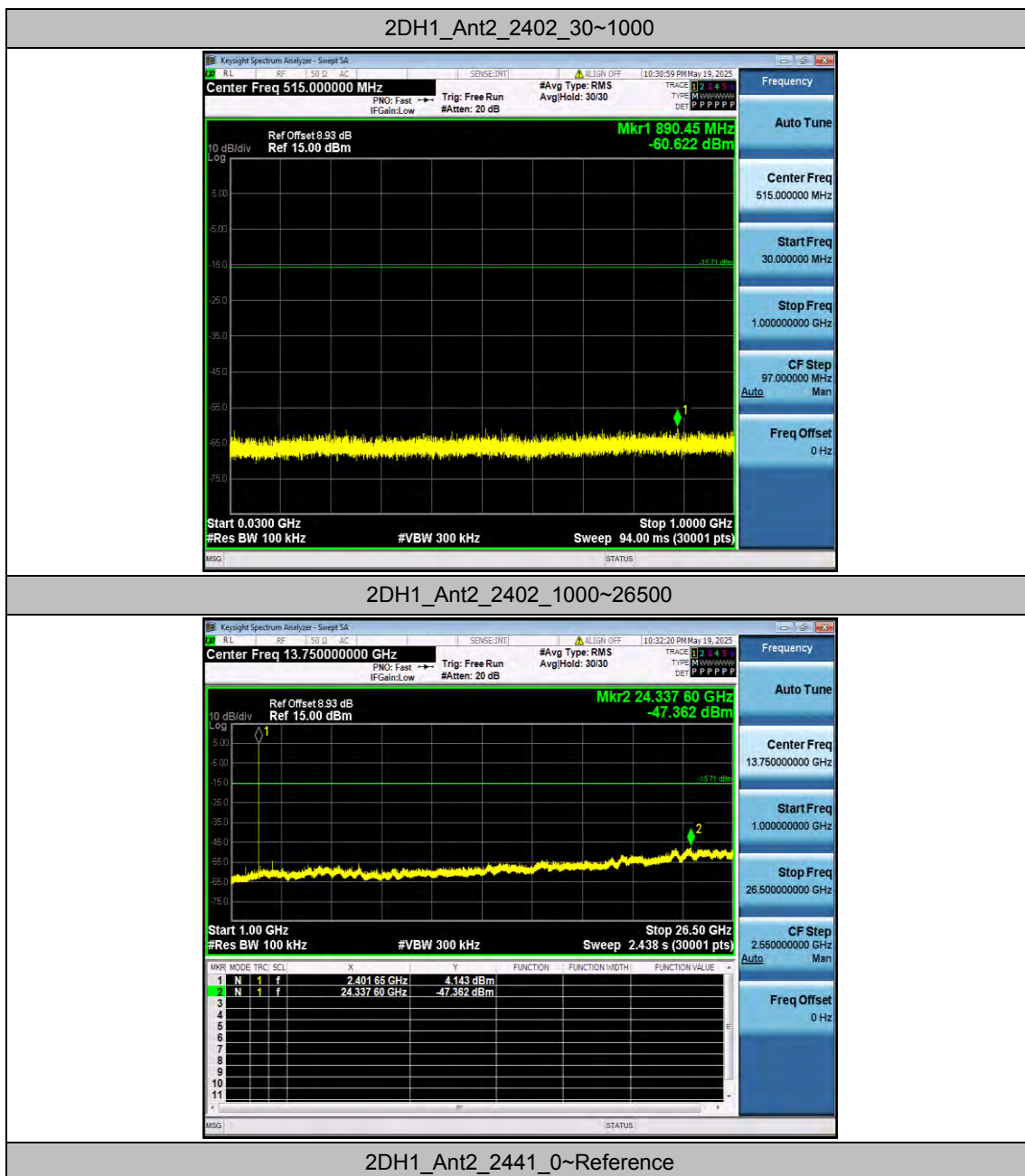


DH1_Ant2_2480_1000~26500



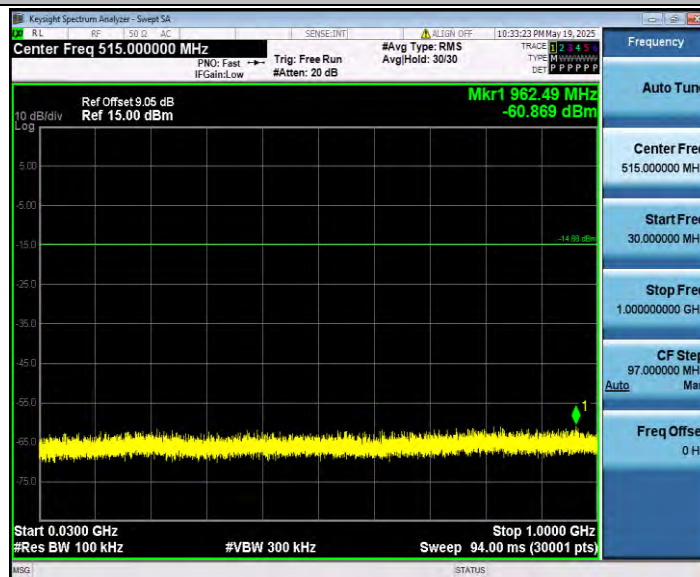
2DH1_Ant2_2402_0~Reference







2DH1_Ant2_2441_30~1000



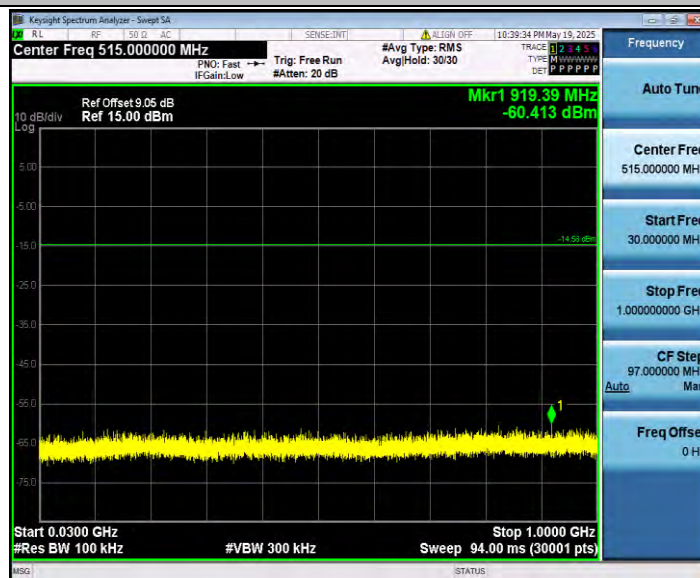
2DH1_Ant2_2441_1000~26500



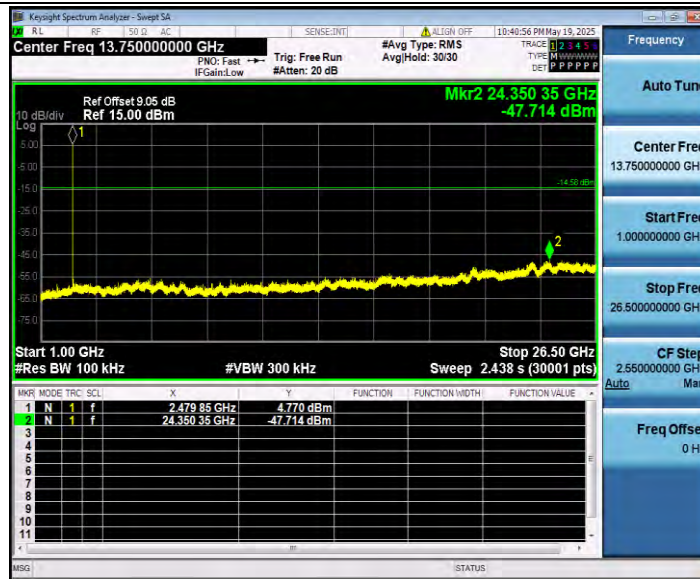
2DH1_Ant2_2480_0~Reference



2DH1_Ant2_2480_30~1000



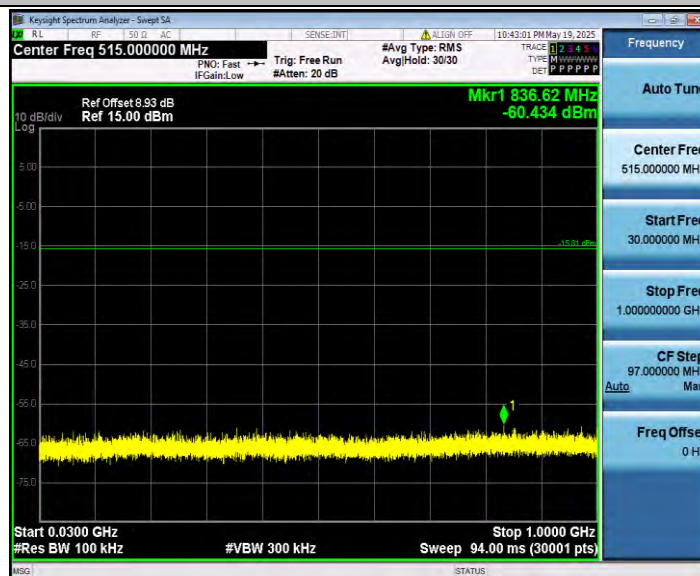
2DH1_Ant2_2480_1000~26500



3DH1_Ant2_2402_0~Reference



3DH1_Ant2_2402_30~1000



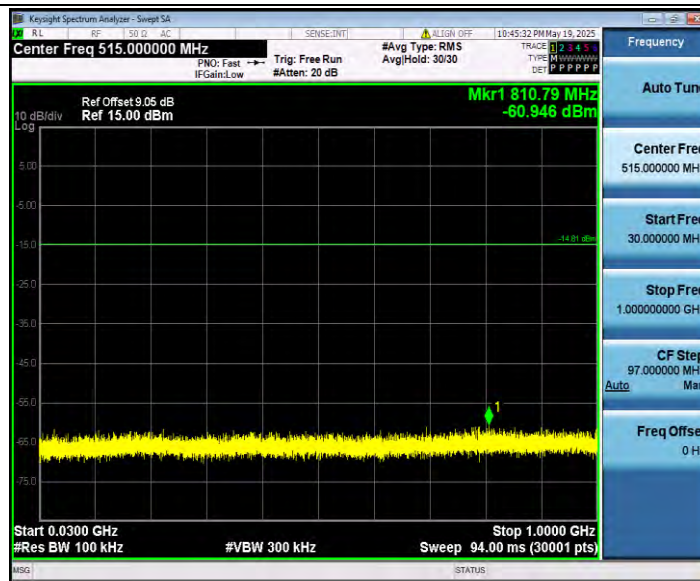
3DH1_Ant2_2402_1000~26500



3DH1_Ant2_2441_0~Reference



3DH1_Ant2_2441_30~1000



3DH1_Ant2_2441_1000~26500



3DH1_Ant2_2480_0~Reference



