

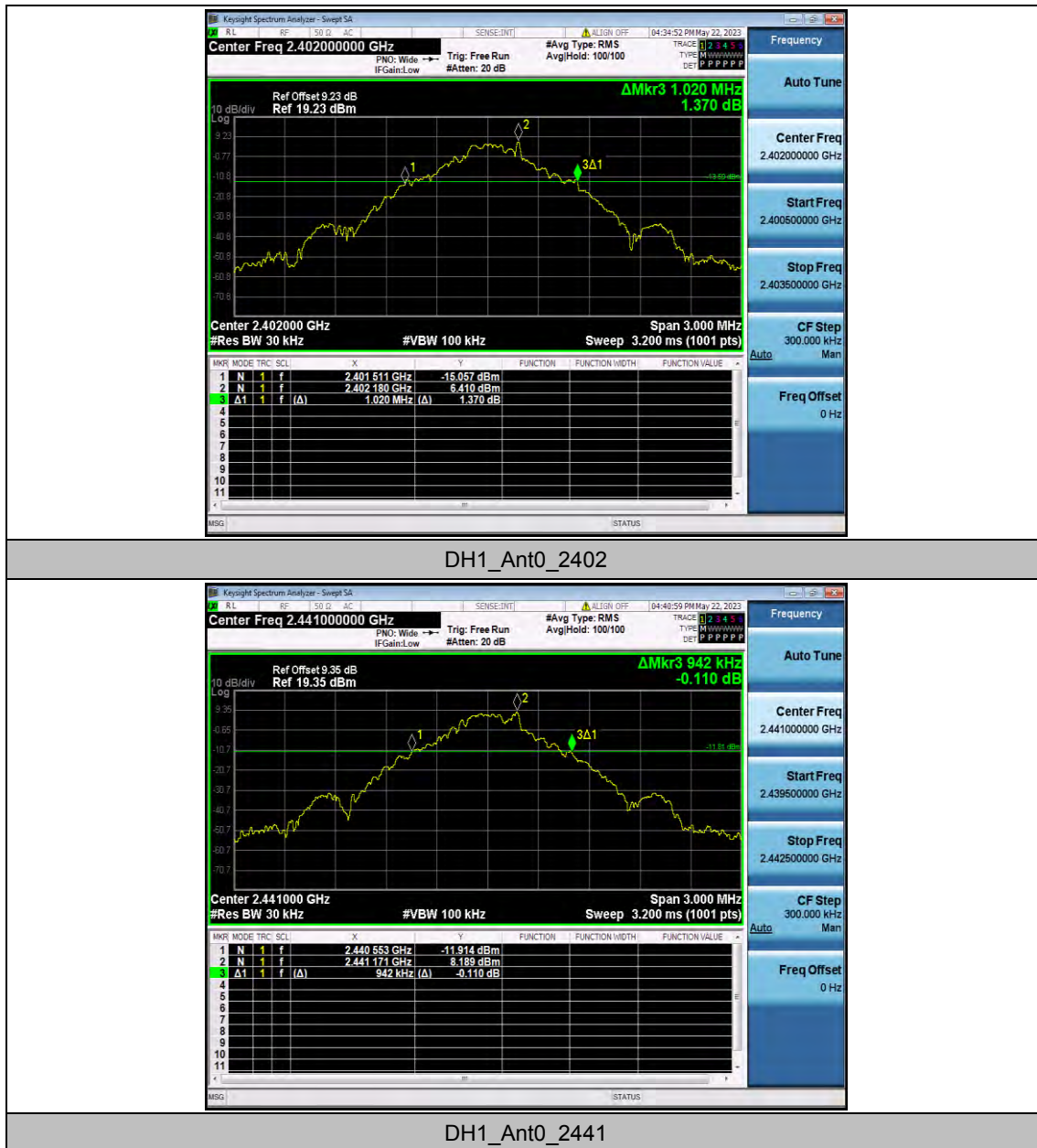
Case No. : <u>GTS20230315007-1-1</u>	
Ambient Condition: <u>23</u> °C, <u>50</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.5.20</u>	Test Engineer: <u>Jenny zeng</u>

Appendix A.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant0	2402	1.020	2401.511	2402.531	---	---
		2441	0.942	2440.553	2441.495	---	---
		2480	0.996	2479.535	2480.531	---	---
2DH1	Ant0	2402	1.356	2401.346	2402.702	---	---
		2441	1.368	2440.331	2441.699	---	---
		2480	1.356	2479.328	2480.684	---	---
3DH1	Ant0	2402	1.338	2401.346	2402.684	---	---
		2441	1.329	2440.346	2441.675	---	---
		2480	1.302	2479.364	2480.666	---	---

Test Graphs





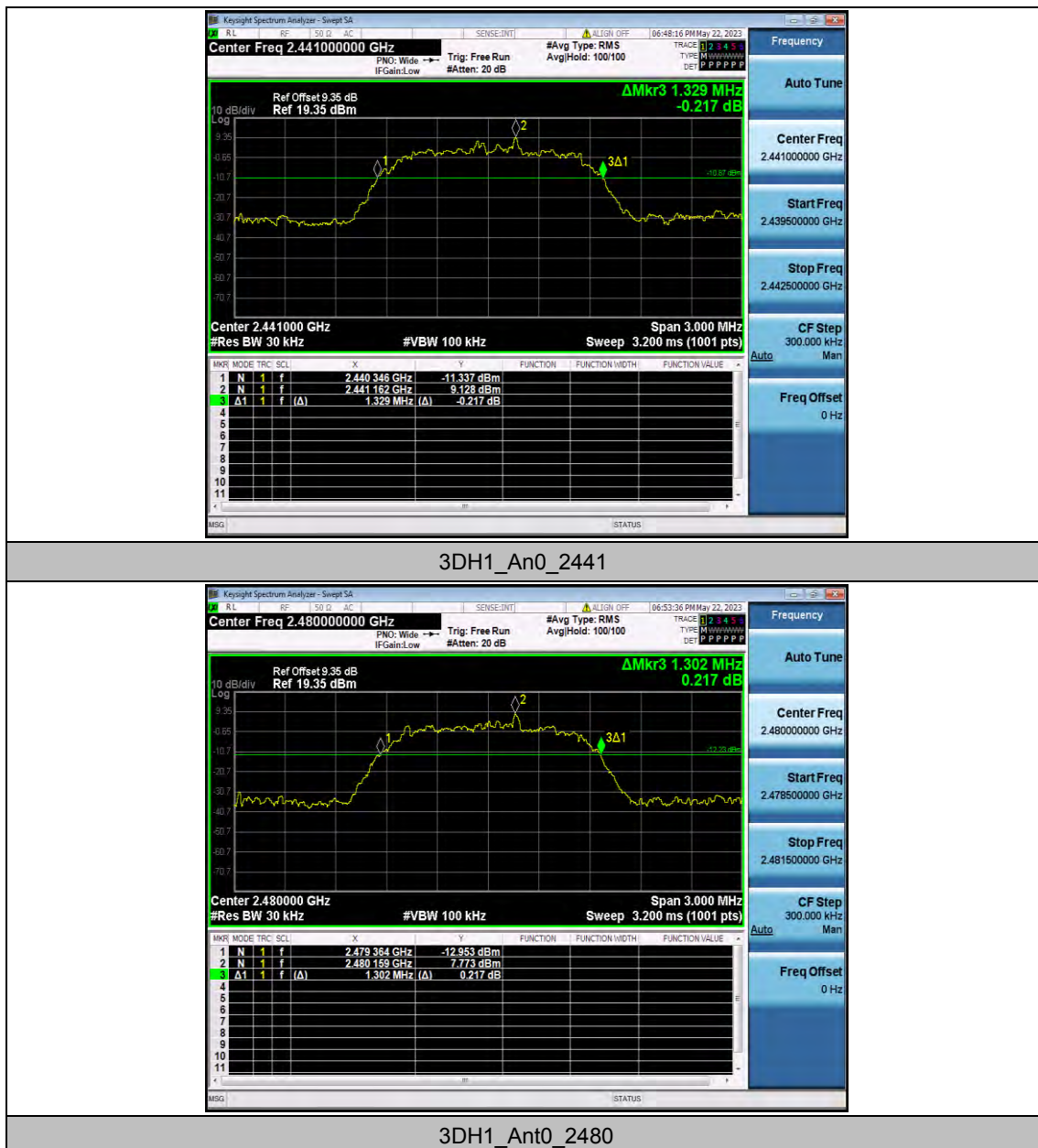
2DH1_Ant0_2441



2DH1_Ant0_2480



3DH1_Ant0_2402

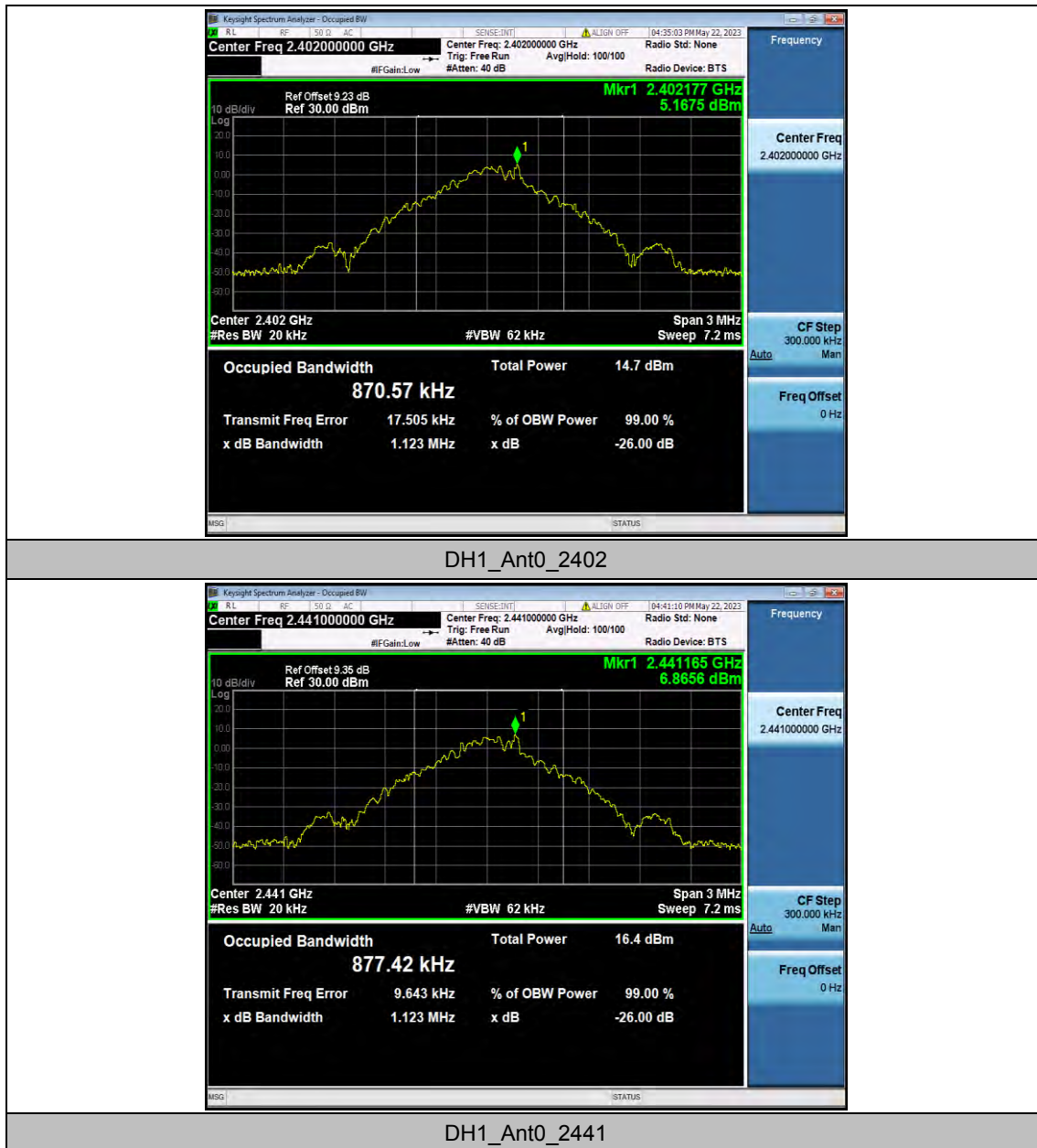


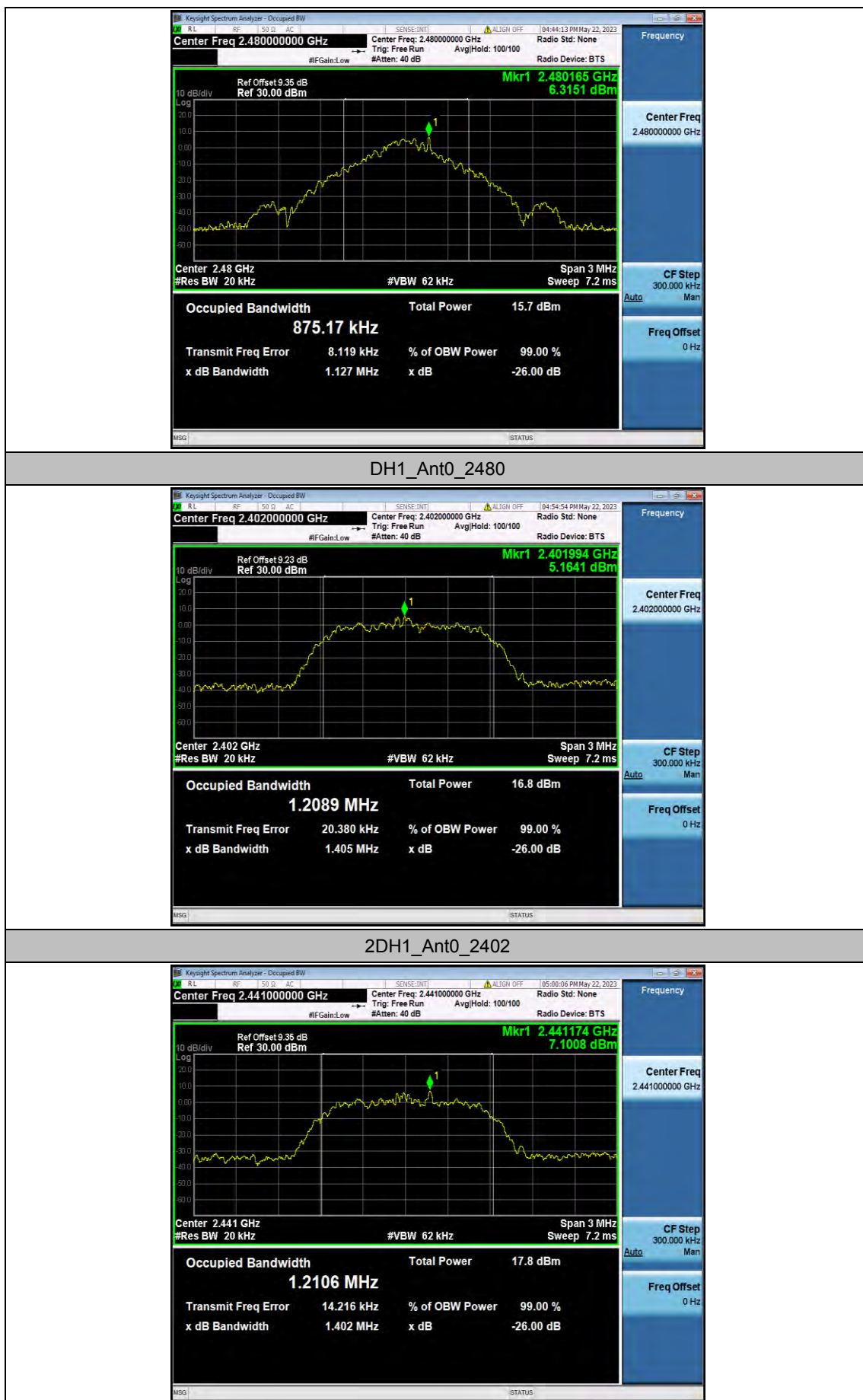
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant0	2402	0.87057	2401.582	2402.453	---	---
		2441	0.87742	2440.571	2441.448	---	---
		2480	0.87517	2479.571	2480.446	---	---
2DH1	Ant0	2402	1.2089	2401.416	2402.625	---	---
		2441	1.2106	2440.409	2441.620	---	---
		2480	1.2063	2479.402	2480.608	---	---
3DH1	Ant0	2402	1.2300	2401.402	2402.632	---	---
		2441	1.2165	2440.399	2441.615	---	---
		2480	1.2092	2479.399	2480.608	---	---

Test Graphs

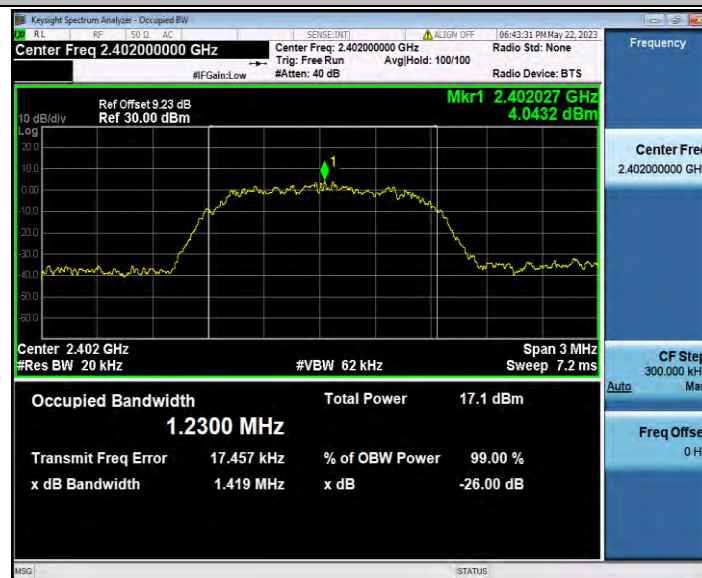




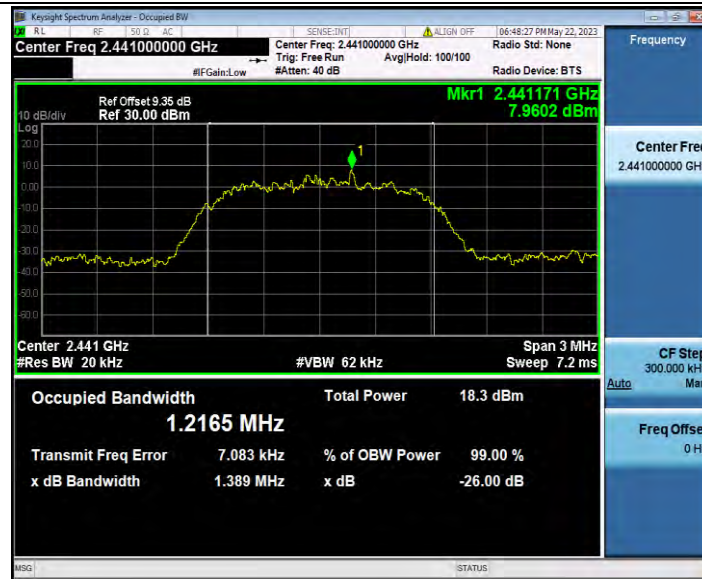
2DH1_Ant1_2441



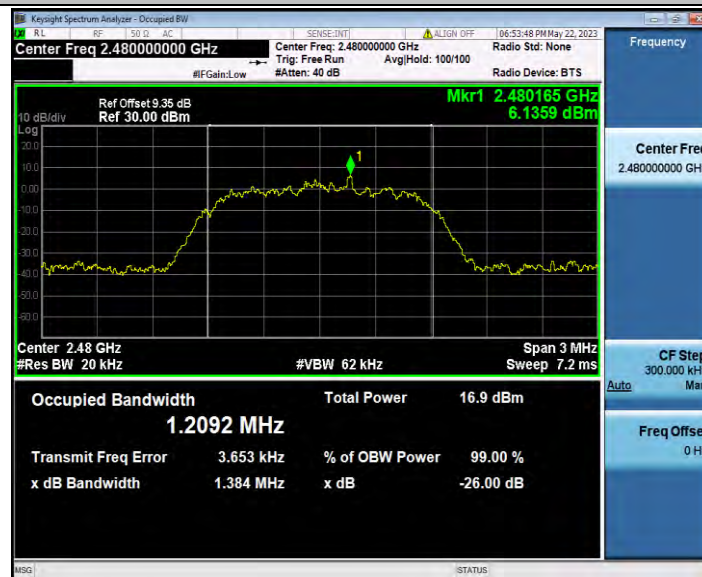
2DH1_Ant0_2480



3DH1_Ant0_2402



3DH1_Ant0_2441



3DH1_Ant0_2480

Appendix A.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant0	2402	8.16	≤ 20.97	PASS
		2441	9.81	≤ 20.97	PASS
		2480	9.22	≤ 20.97	PASS
2DH1	Ant0	2402	11.88	≤ 20.97	PASS
		2441	12.61	≤ 20.97	PASS
		2480	11.16	≤ 20.97	PASS
3DH1	Ant0	2402	12.33	≤ 20.97	PASS
		2441	12.99	≤ 20.97	PASS
		2480	11.59	≤ 20.97	PASS

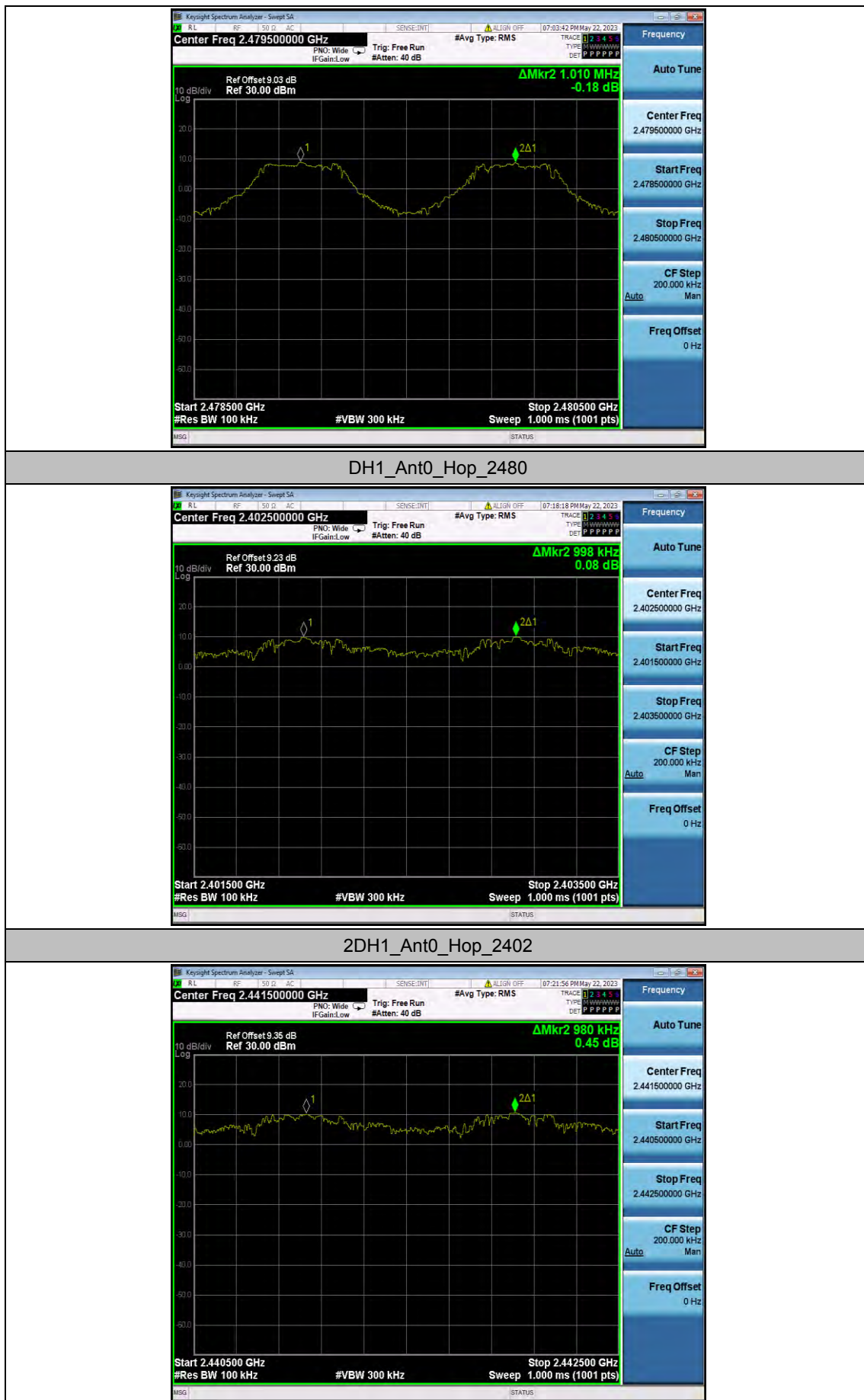
Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant0	Hop_2402	1	≥ 0.680	PASS
		Hop_2441	0.978	≥ 0.680	PASS
		Hop_2480	1.01	≥ 0.680	PASS
2DH1	Ant0	Hop_2402	0.998	≥ 0.912	PASS
		Hop_2441	0.98	≥ 0.912	PASS
		Hop_2480	0.992	≥ 0.912	PASS
3DH1	Ant0	Hop_2402	1.012	≥ 0.892	PASS
		Hop_2441	0.98	≥ 0.892	PASS
		Hop_2480	0.99	≥ 0.892	PASS

Test Graphs

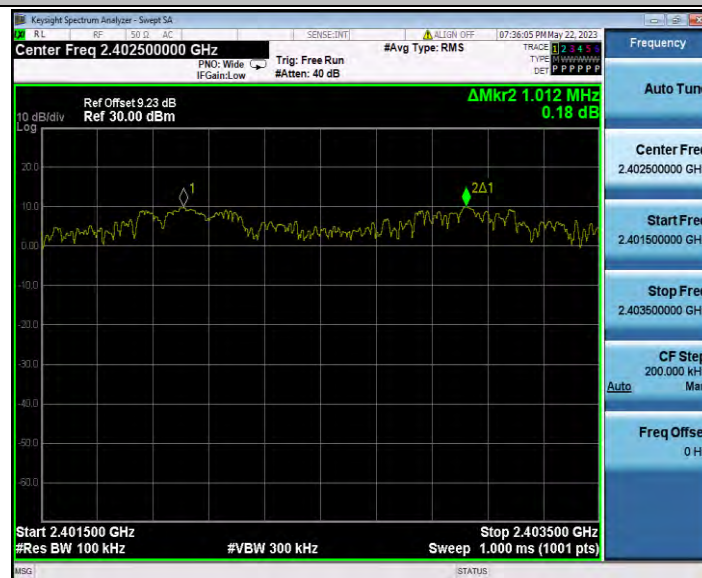




2DH1_Ant0_Hop_2441



2DH1_Ant0_Hop_2480



3DH1_Ant0_Hop_2402

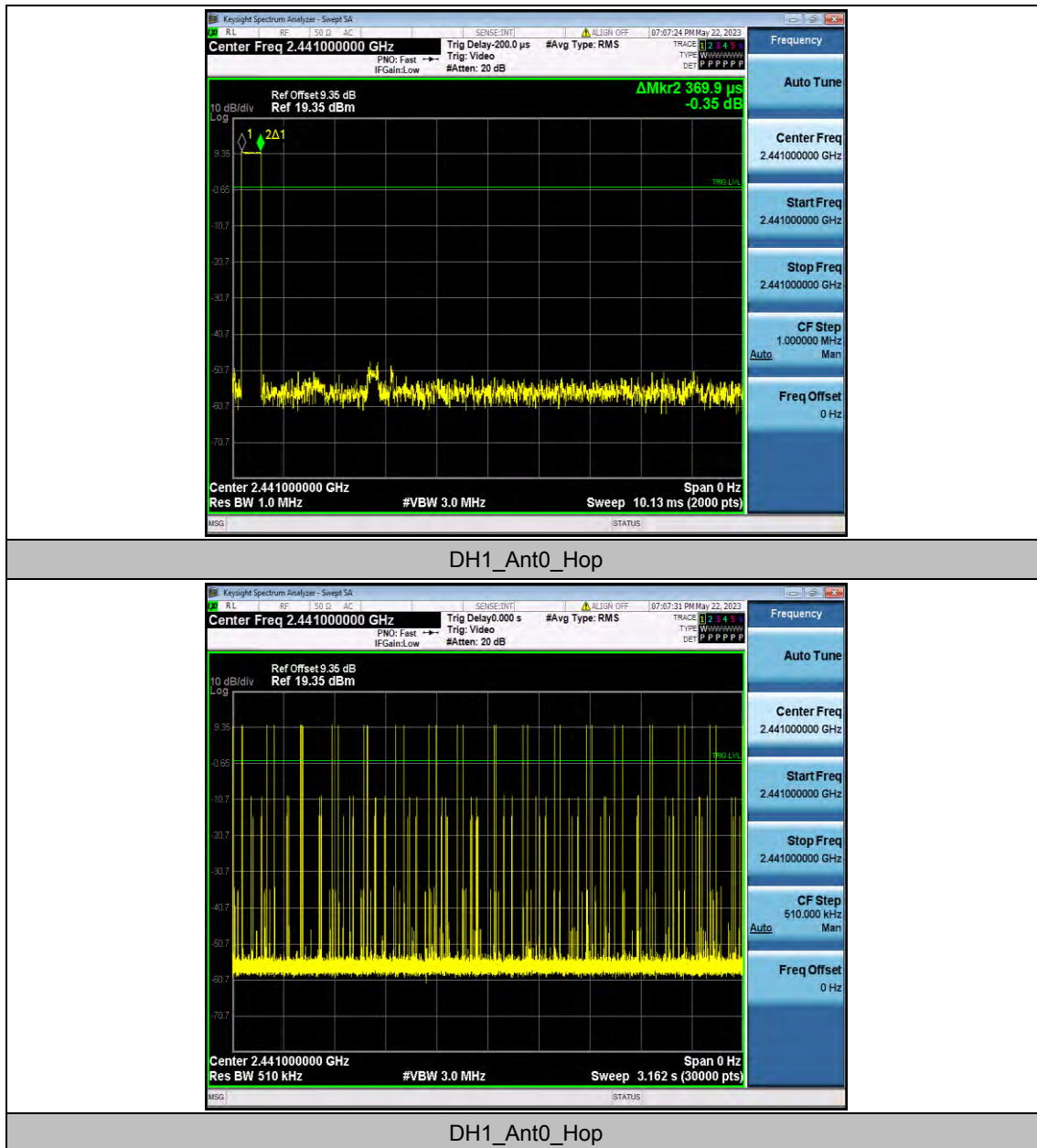


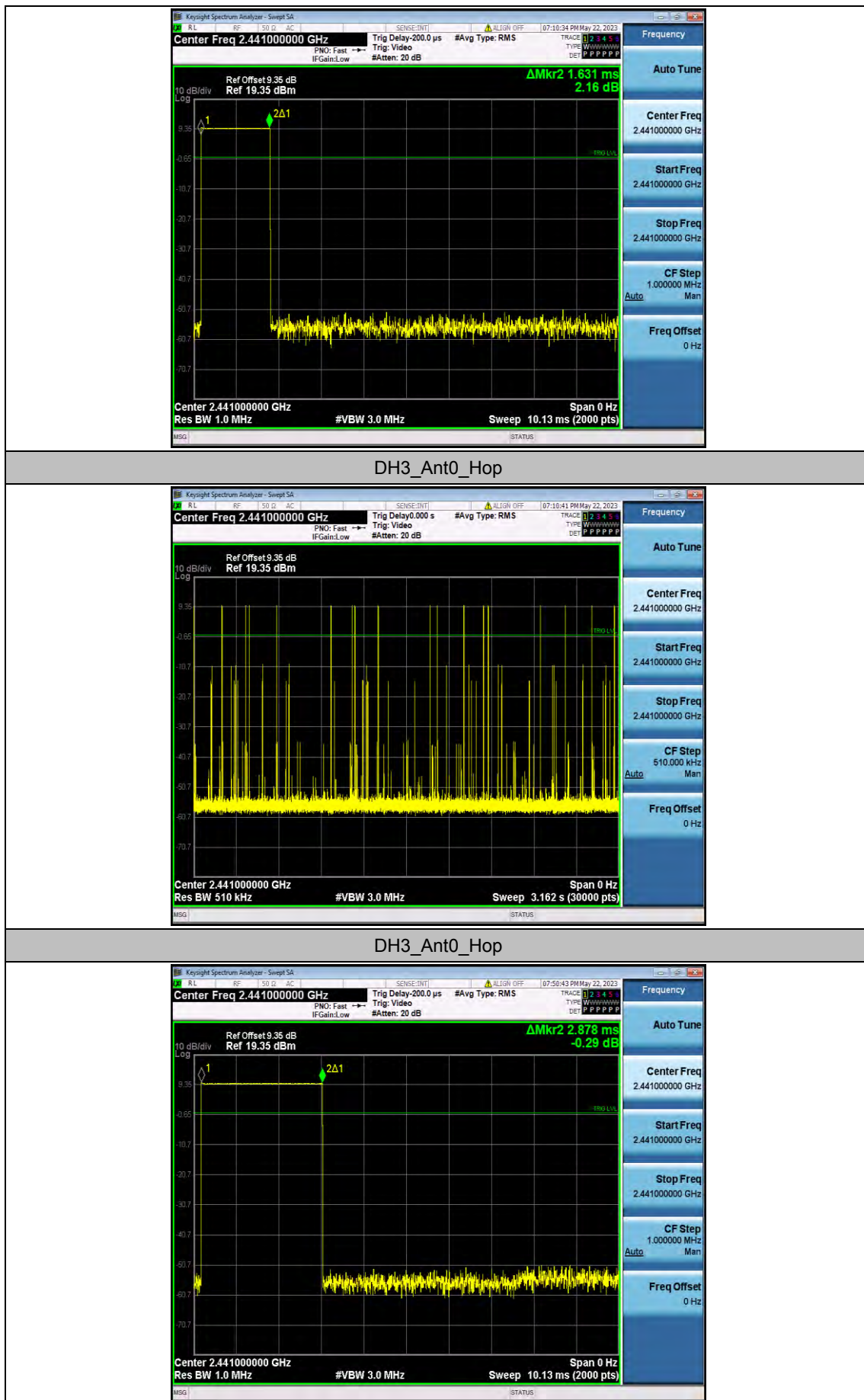
Appendix A.5: Time of occupancy

Test Result

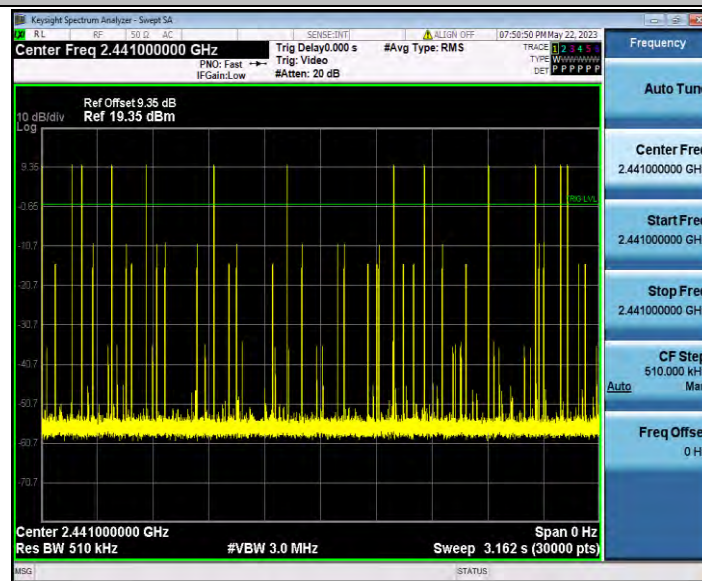
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant0	Hop	0.37	330	0.122	≤0.4	PASS
DH3	Ant0	Hop	1.63	180	0.294	≤0.4	PASS
DH5	Ant0	Hop	2.88	130	0.374	≤0.4	PASS
2DH1	Ant0	Hop	0.38	330	0.125	≤0.4	PASS
2DH3	Ant0	Hop	1.63	170	0.277	≤0.4	PASS
2DH5	Ant0	Hop	2.88	60	0.173	≤0.4	PASS
3DH1	Ant0	Hop	0.38	330	0.125	≤0.4	PASS
3DH3	Ant0	Hop	1.63	150	0.245	≤0.4	PASS
3DH5	Ant0	Hop	2.88	130	0.375	≤0.4	PASS

Test Graphs

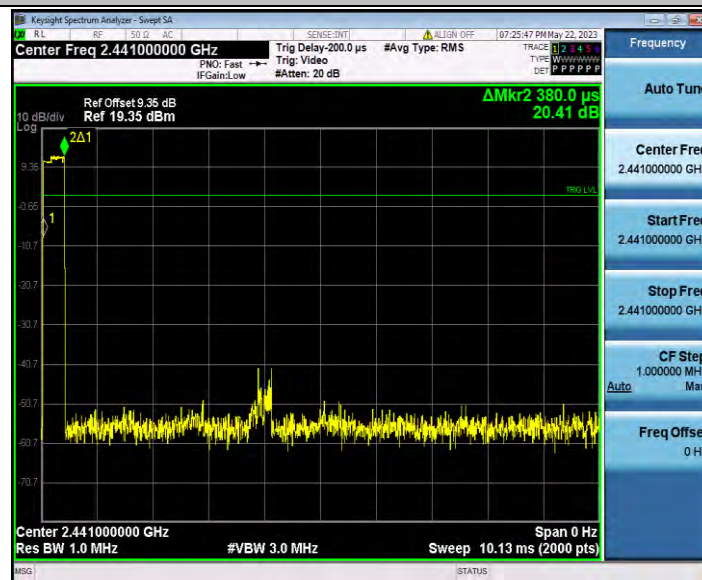




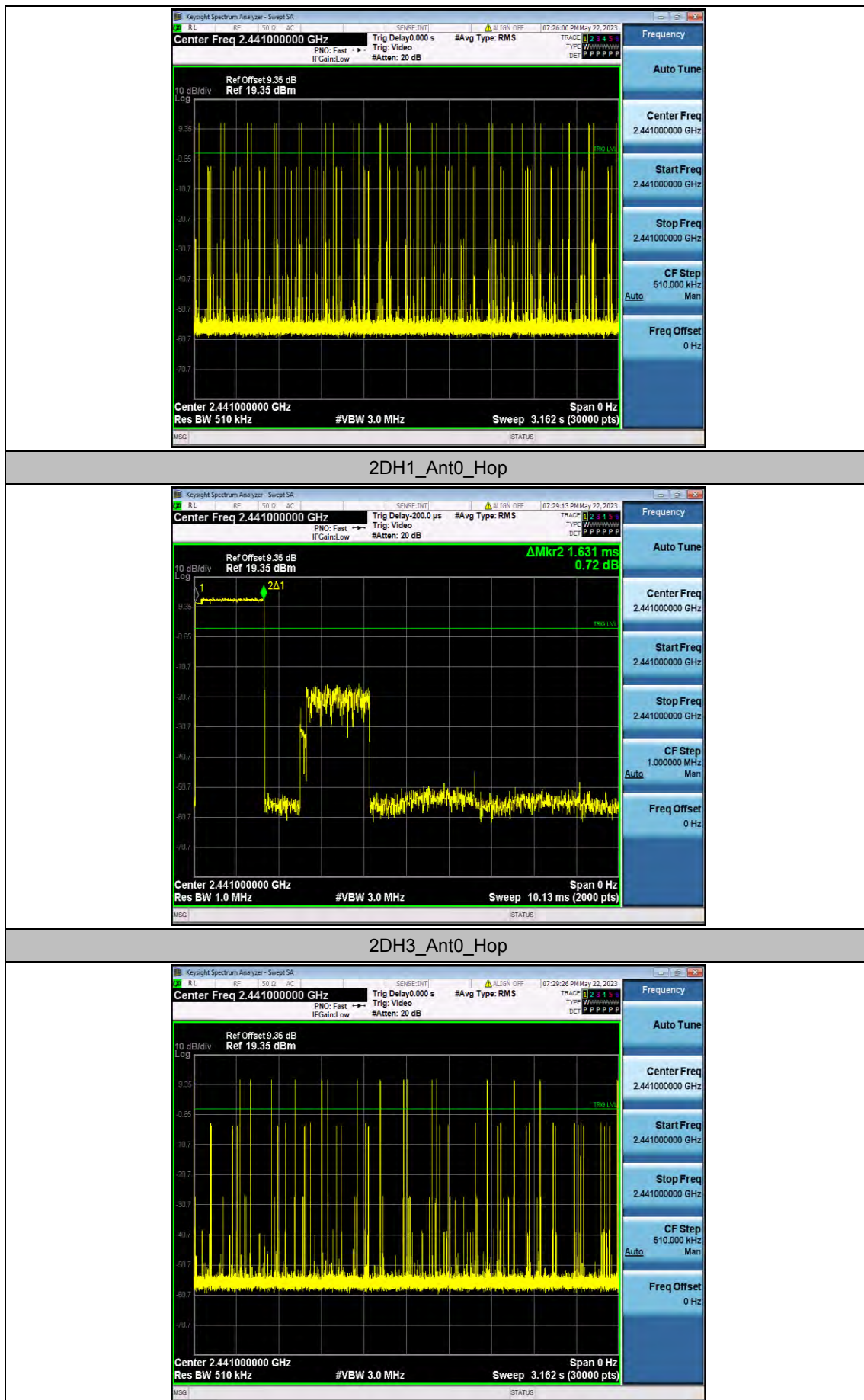
DH5_Ant0_Hop



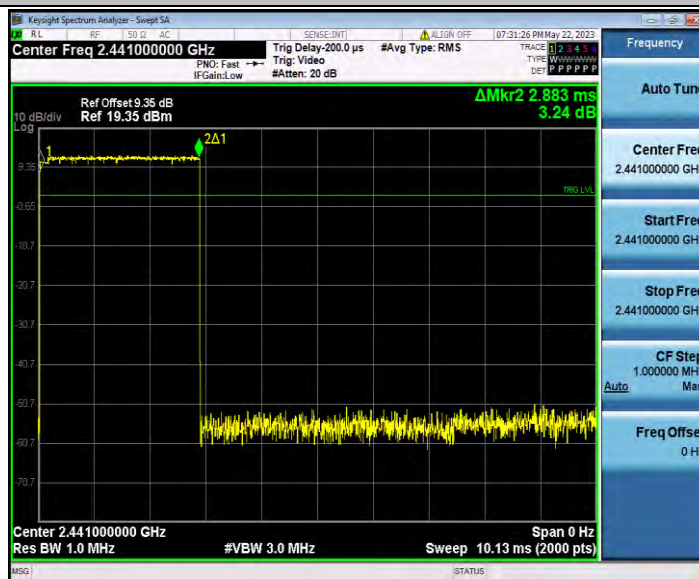
DH5_Ant0_Hop



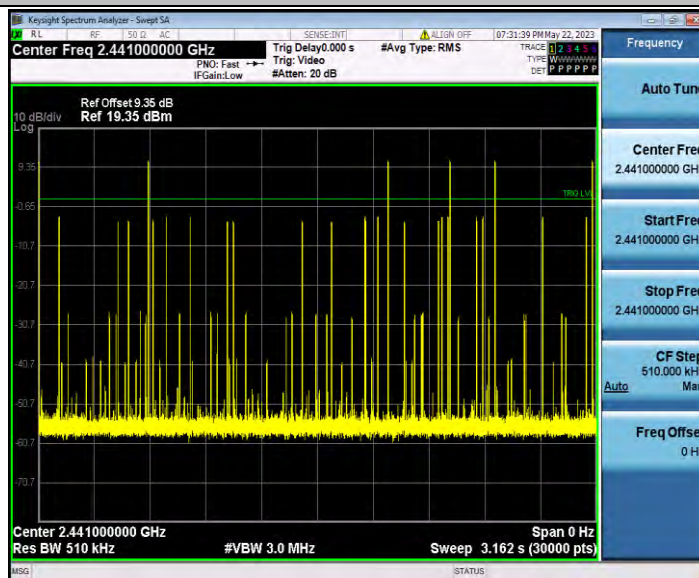
2DH1_Ant0_Hop



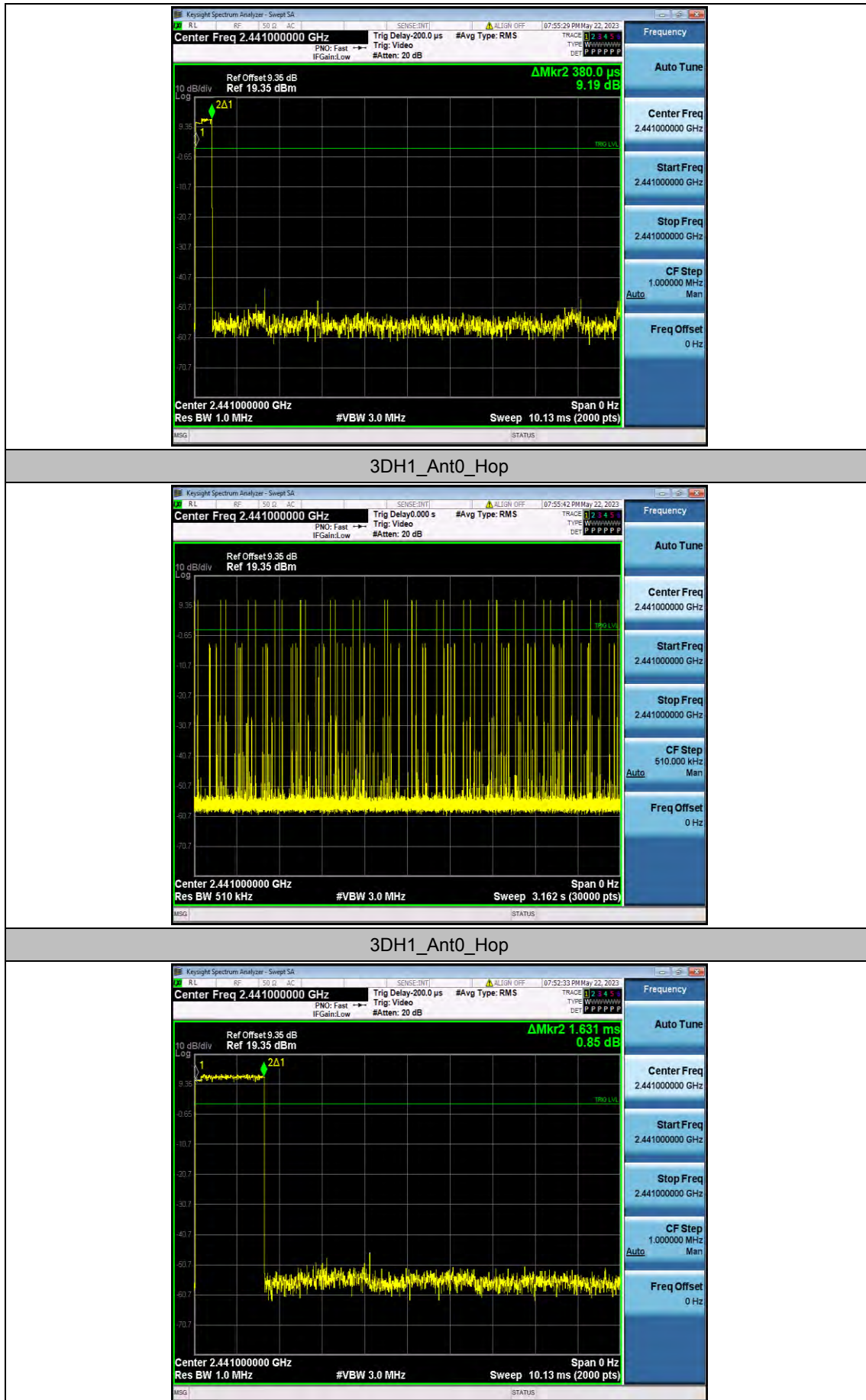
2DH3_Ant0_Hop



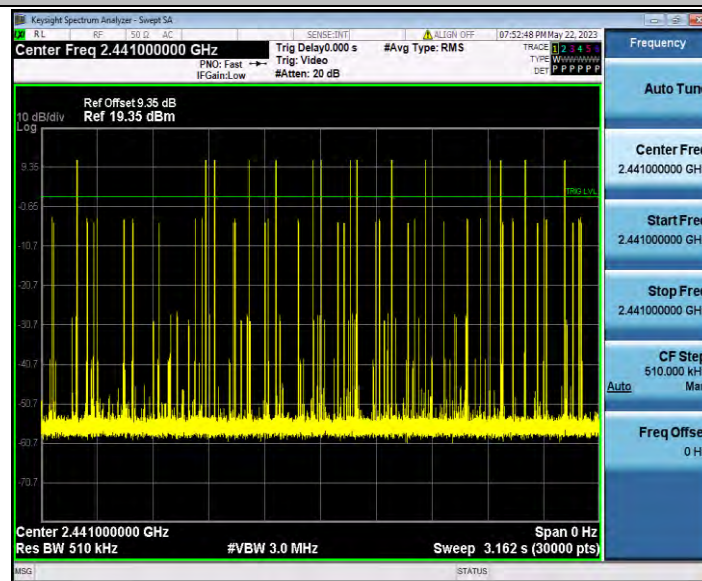
2DH5_Ant0_Hop



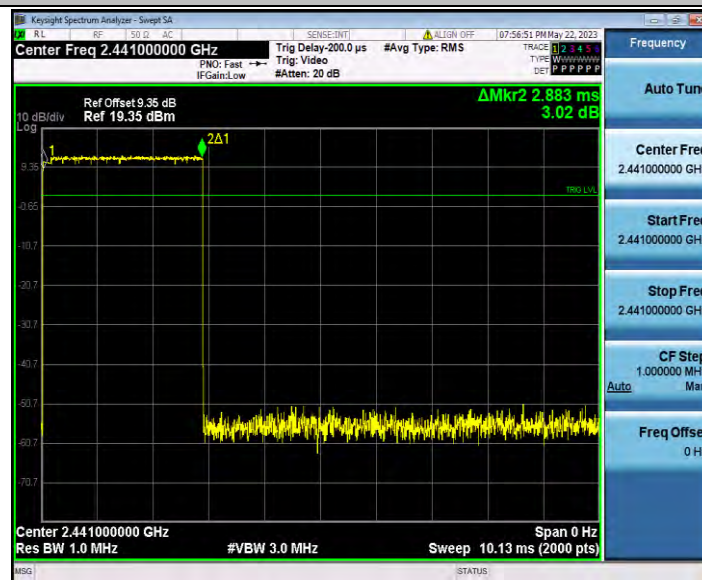
2DH5_Ant0_Hop



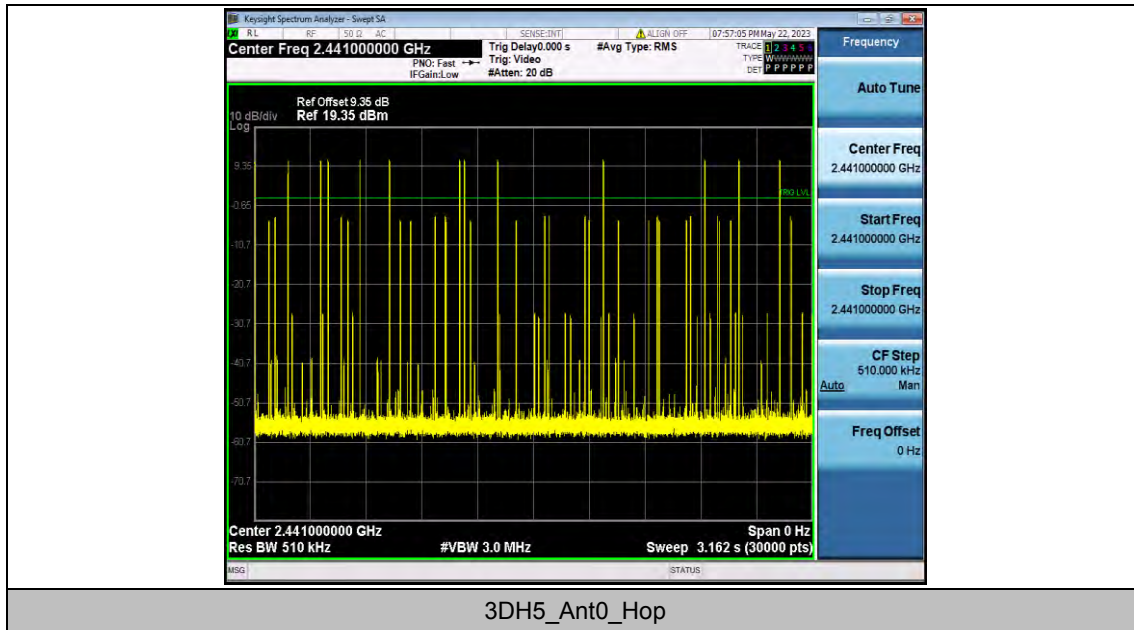
3DH3_Ant0_Hop



3DH3_Ant0_Hop



3DH5_Ant0_Hop

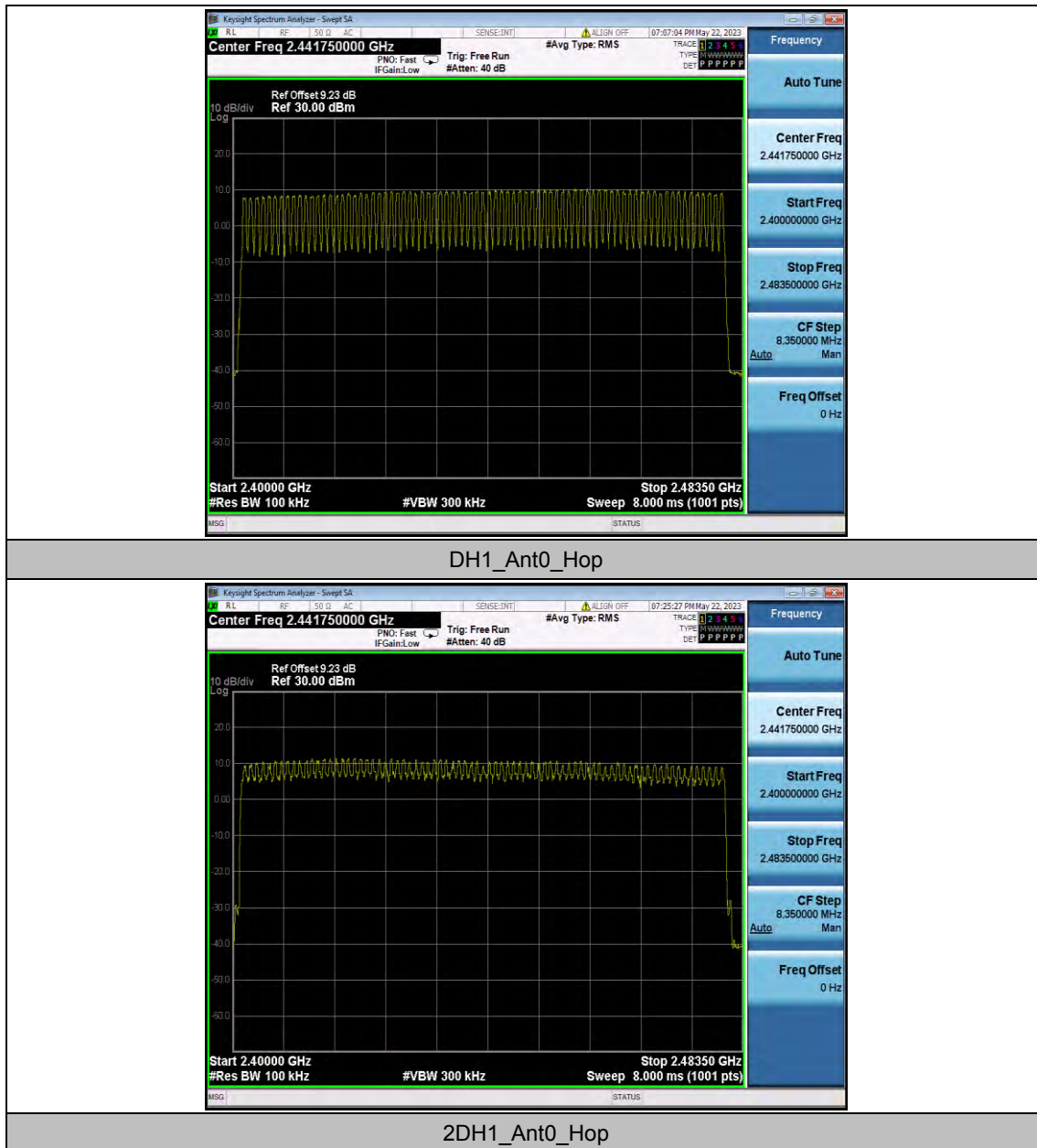


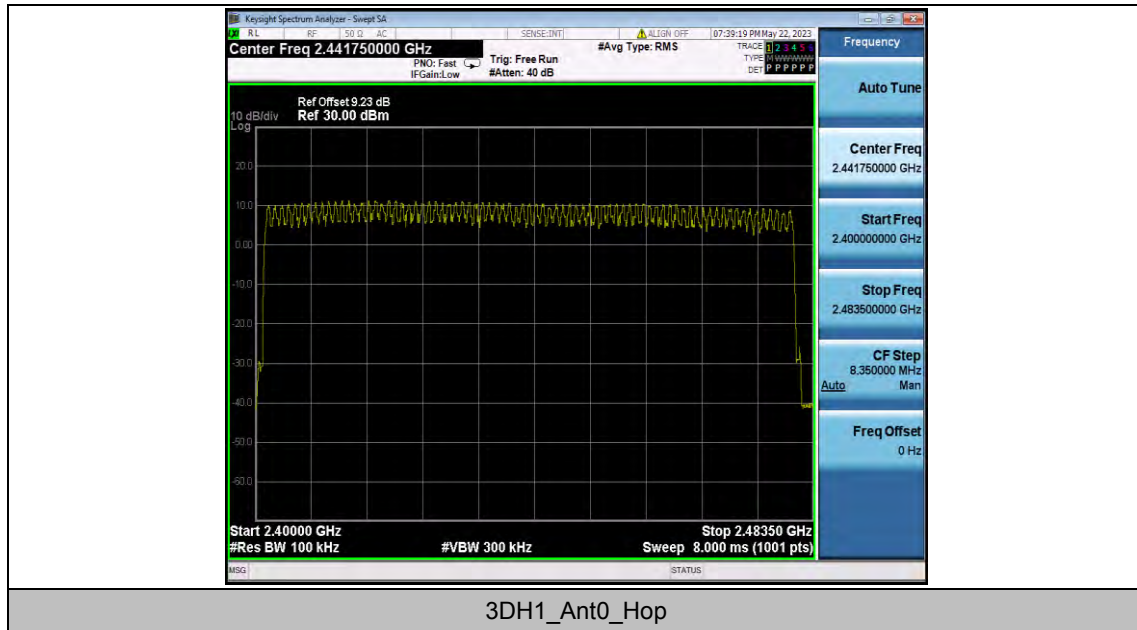
Appendix A.6: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant0	Hop	79	≥15	PASS
2DH1	Ant0	Hop	79	≥15	PASS
3DH1	Ant0	Hop	79	≥15	PASS

Test Graphs



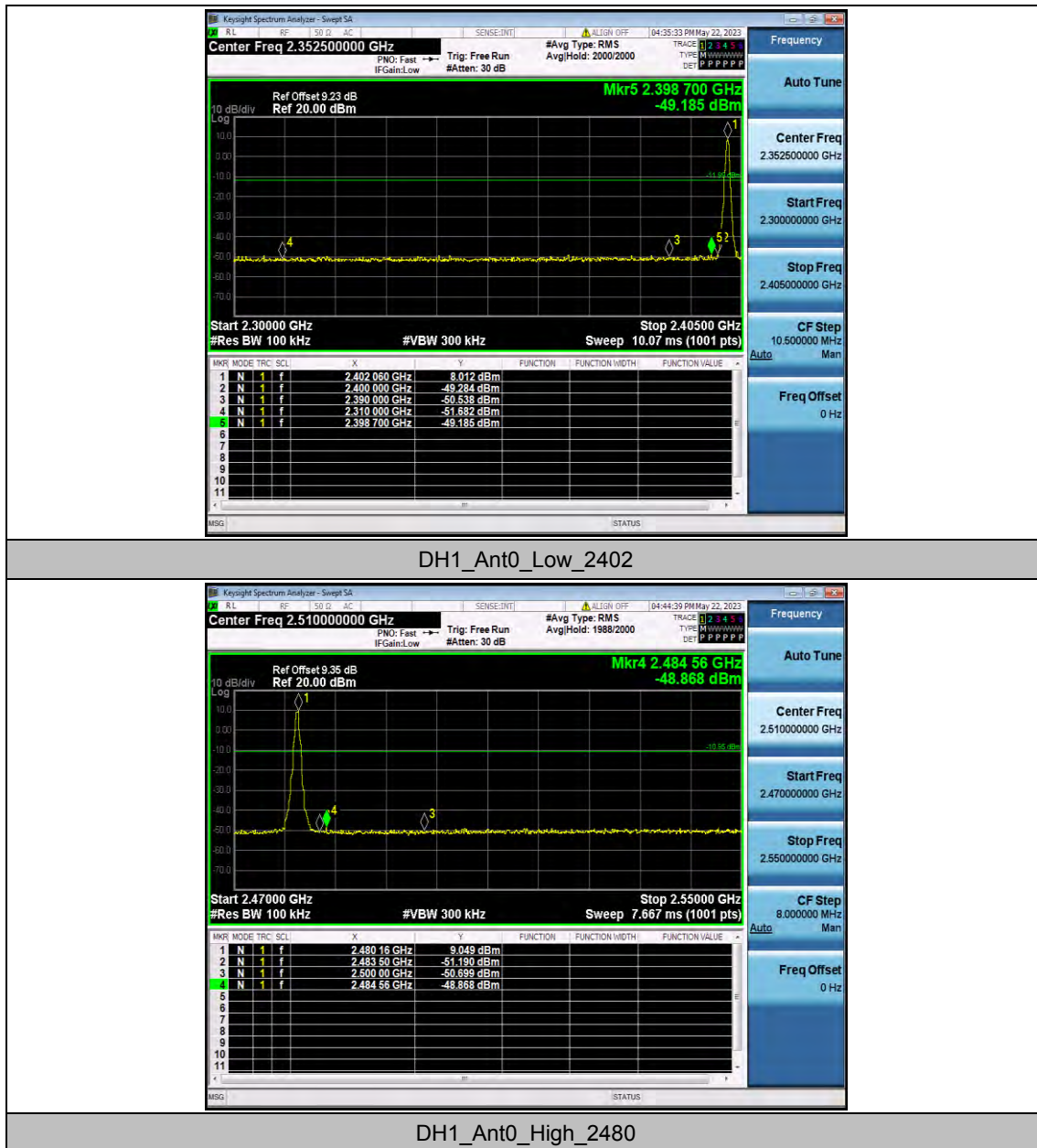


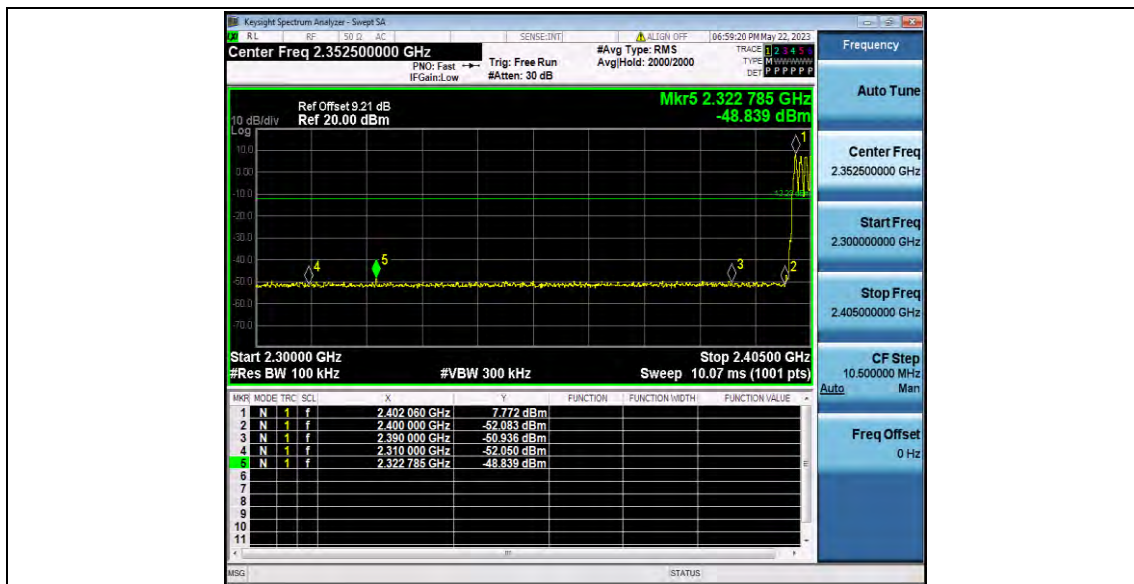
Appendix A.7: Band edge measurements

Test Result

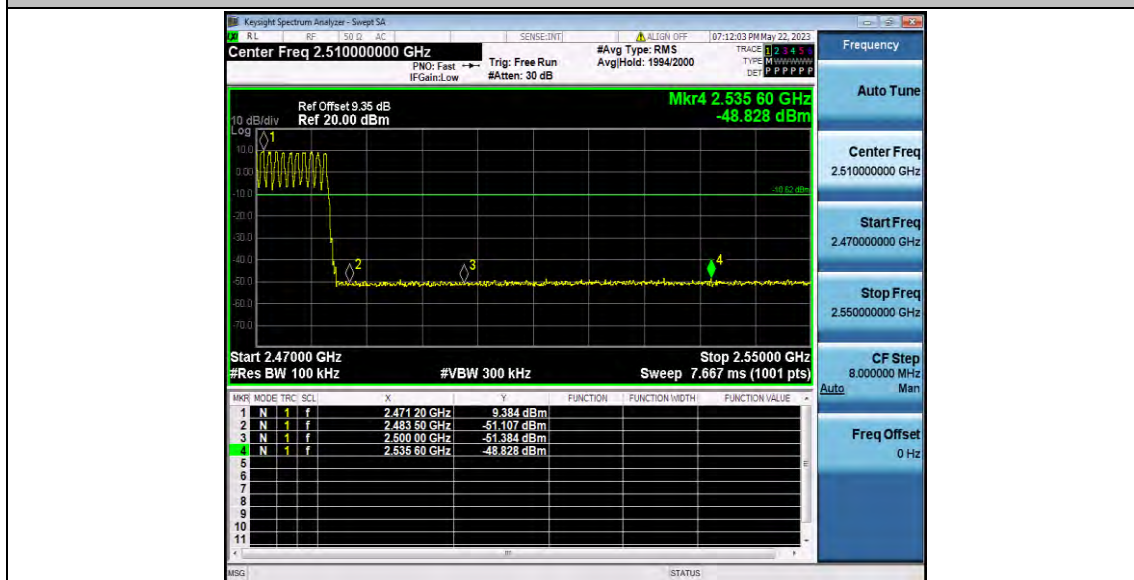
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant0	Low	2402	8.01	-49.19	≤ -11.99	PASS
		High	2480	9.05	-48.87	≤ -10.95	PASS
		Low	Hop_2402	7.77	-48.84	≤ -12.23	PASS
		High	Hop_2480	9.38	-48.83	≤ -10.62	PASS
2DH1	Ant0	Low	2402	9.55	-40.25	≤ -10.45	PASS
		High	2480	8.59	-48.83	≤ -11.41	PASS
		Low	Hop_2402	9.93	-49.42	≤ -10.07	PASS
		High	Hop_2480	8.92	-47.75	≤ -11.08	PASS
3DH1	Ant0	Low	2402	9.64	-38.46	≤ -10.36	PASS
		High	2480	8.91	-47.9	≤ -11.09	PASS
		Low	Hop_2402	9.85	-48.02	≤ -10.15	PASS
		High	Hop_2480	9.41	-49	≤ -10.59	PASS

Test Graphs

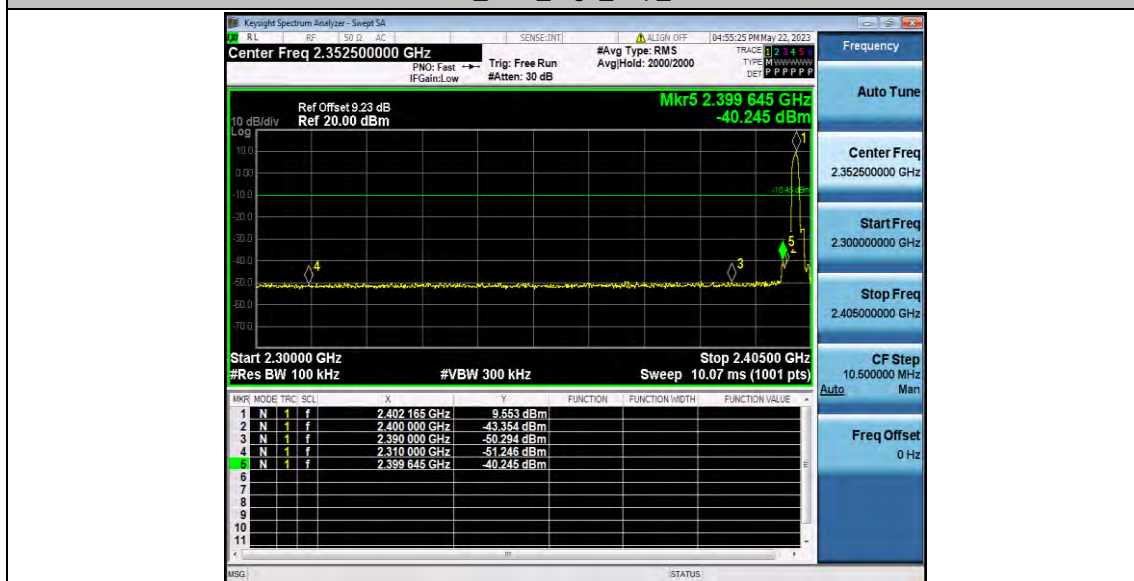




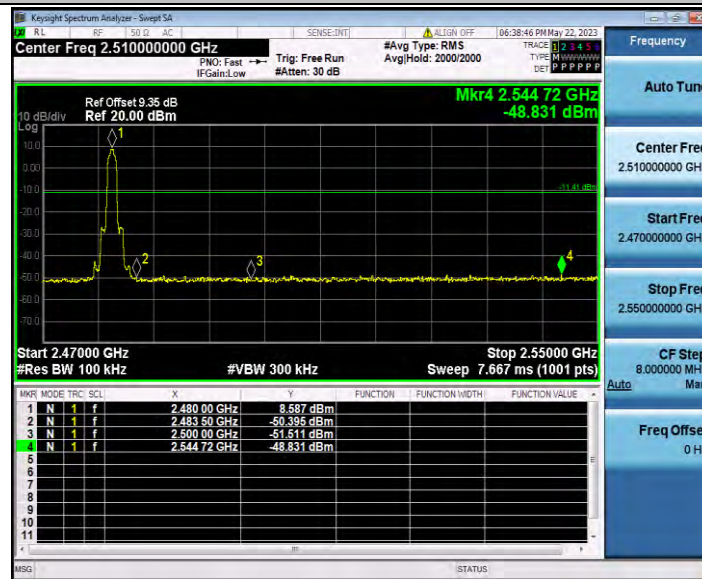
DH1_Ant0_Low_Hop_2402



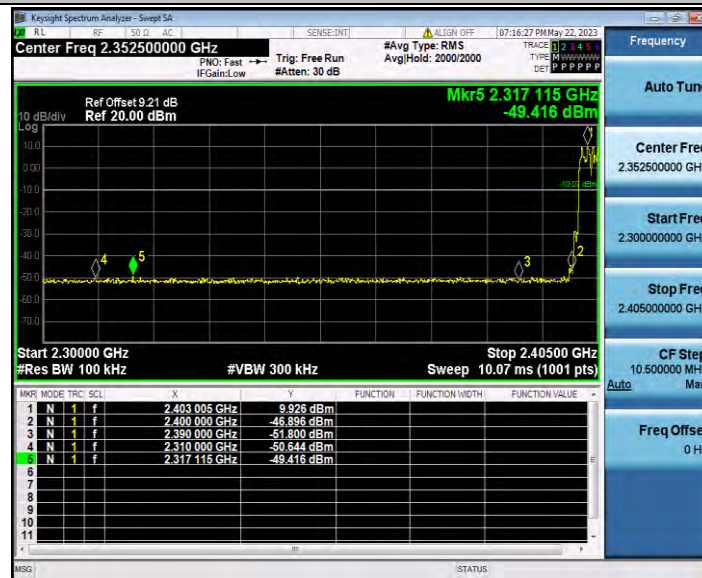
DH1_Ant0_High_Hop_2480



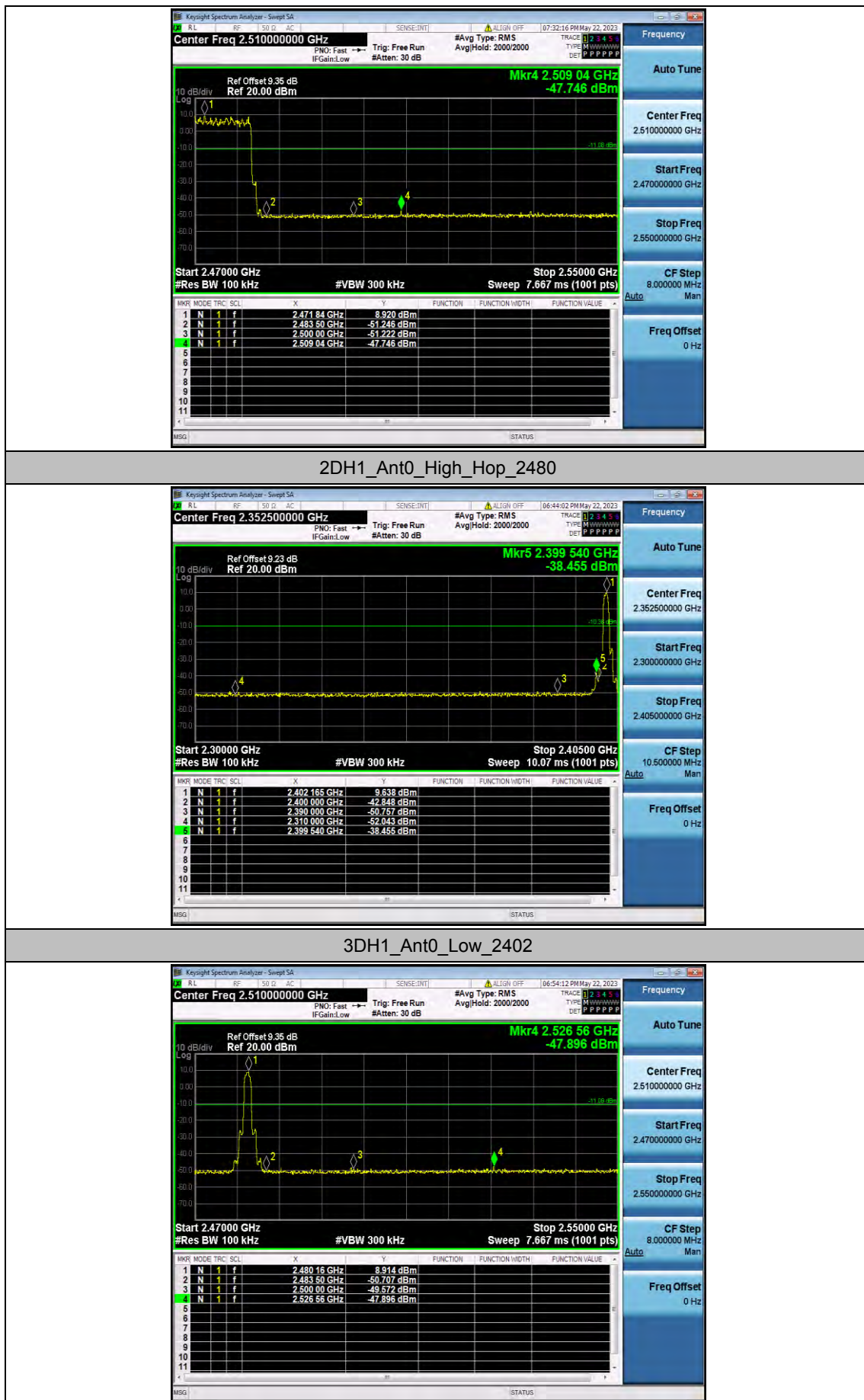
2DH1_Ant0_Low_2402



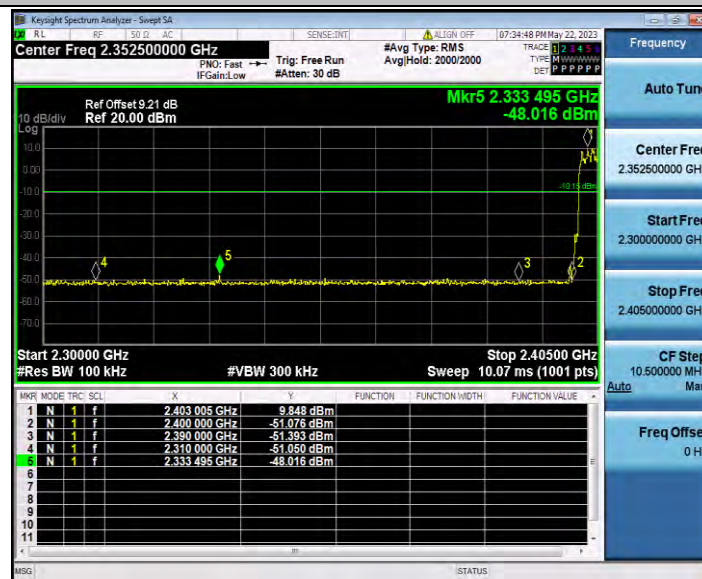
2DH1_Ant0_High_2480



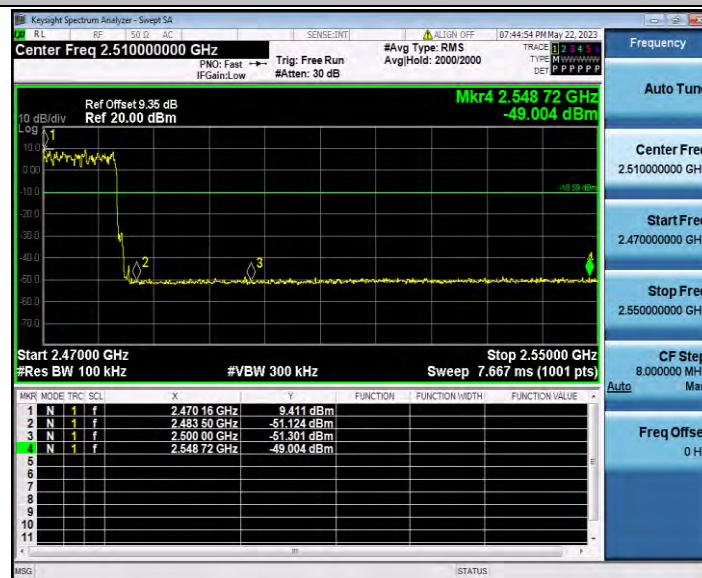
2DH1_Ant0_Low_Hop_2402



3DH1_Ant0_High_2480



3DH1_Ant0_Low_Hop_2402



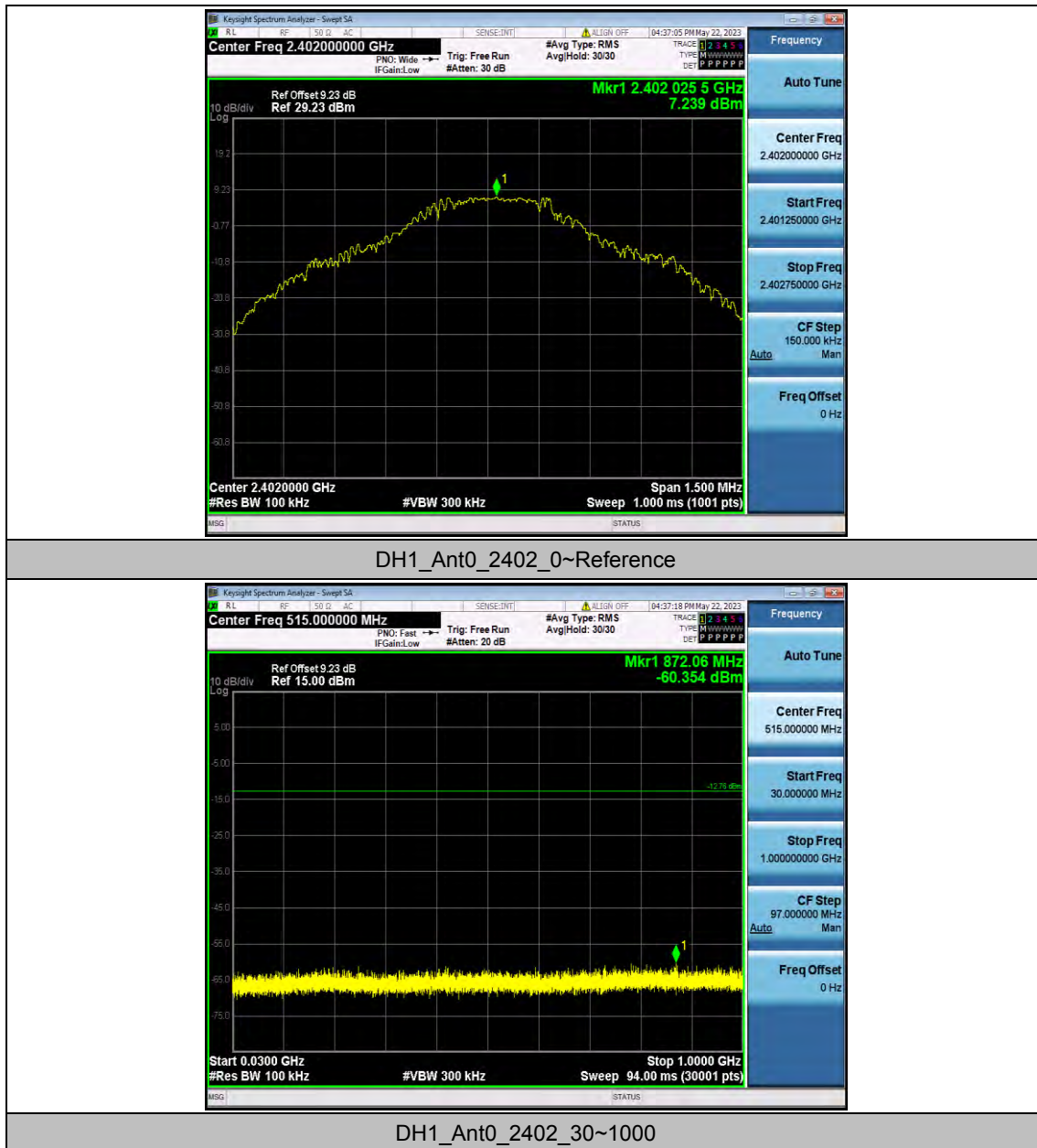
3DH1_Ant0_High_Hop_2480

Appendix A.8: Conducted Spurious Emission

Test Result

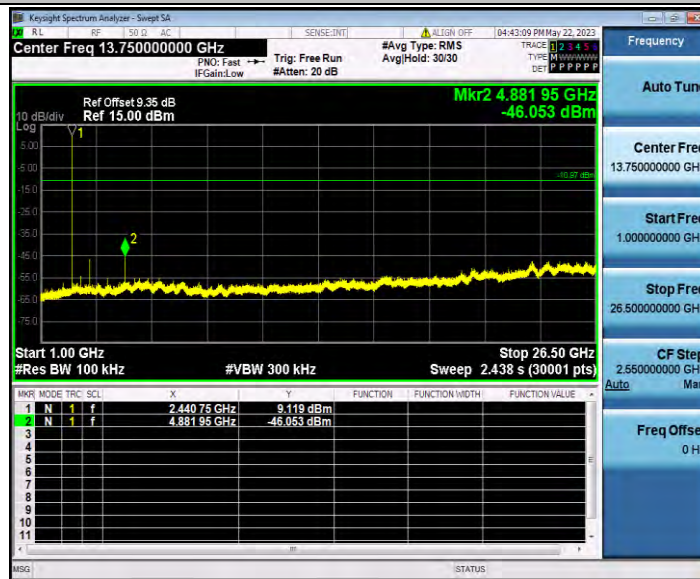
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant0	2402	Reference	7.24	7.24	---	PASS
			30~1000	7.24	-60.35	≤ -12.76	PASS
			1000~26500	7.24	-44.48	≤ -12.76	PASS
		2441	Reference	9.03	9.03	---	PASS
			30~1000	9.03	-60.39	≤ -10.97	PASS
			1000~26500	9.03	-46.05	≤ -10.97	PASS
		2480	Reference	8.80	8.80	---	PASS
			30~1000	8.80	-60.13	≤ -11.2	PASS
			1000~26500	8.80	-47.14	≤ -11.2	PASS
2DH1	Ant0	2402	Reference	9.42	9.42	---	PASS
			30~1000	9.42	-60.72	≤ -10.58	PASS
			1000~26500	9.42	-41.16	≤ -10.58	PASS
		2441	Reference	10.33	10.33	---	PASS
			30~1000	10.33	-60.07	≤ -9.67	PASS
			1000~26500	10.33	-38.25	≤ -9.67	PASS
		2480	Reference	6.90	6.90	---	PASS
			30~1000	6.90	-60.37	≤ -13.1	PASS
			1000~26500	6.90	-45.7	≤ -13.1	PASS
3DH1	Ant0	2402	Reference	8.11	8.11	---	PASS
			30~1000	8.11	-59.99	≤ -11.89	PASS
			1000~26500	8.11	-39.95	≤ -11.89	PASS
		2441	Reference	8.98	8.98	---	PASS
			30~1000	8.98	-60.69	≤ -11.02	PASS
			1000~26500	8.98	-40.18	≤ -11.02	PASS
		2480	Reference	7.22	7.22	---	PASS
			30~1000	7.22	-60.54	≤ -12.78	PASS
			1000~26500	7.22	-46.19	≤ -12.78	PASS

Test Graphs





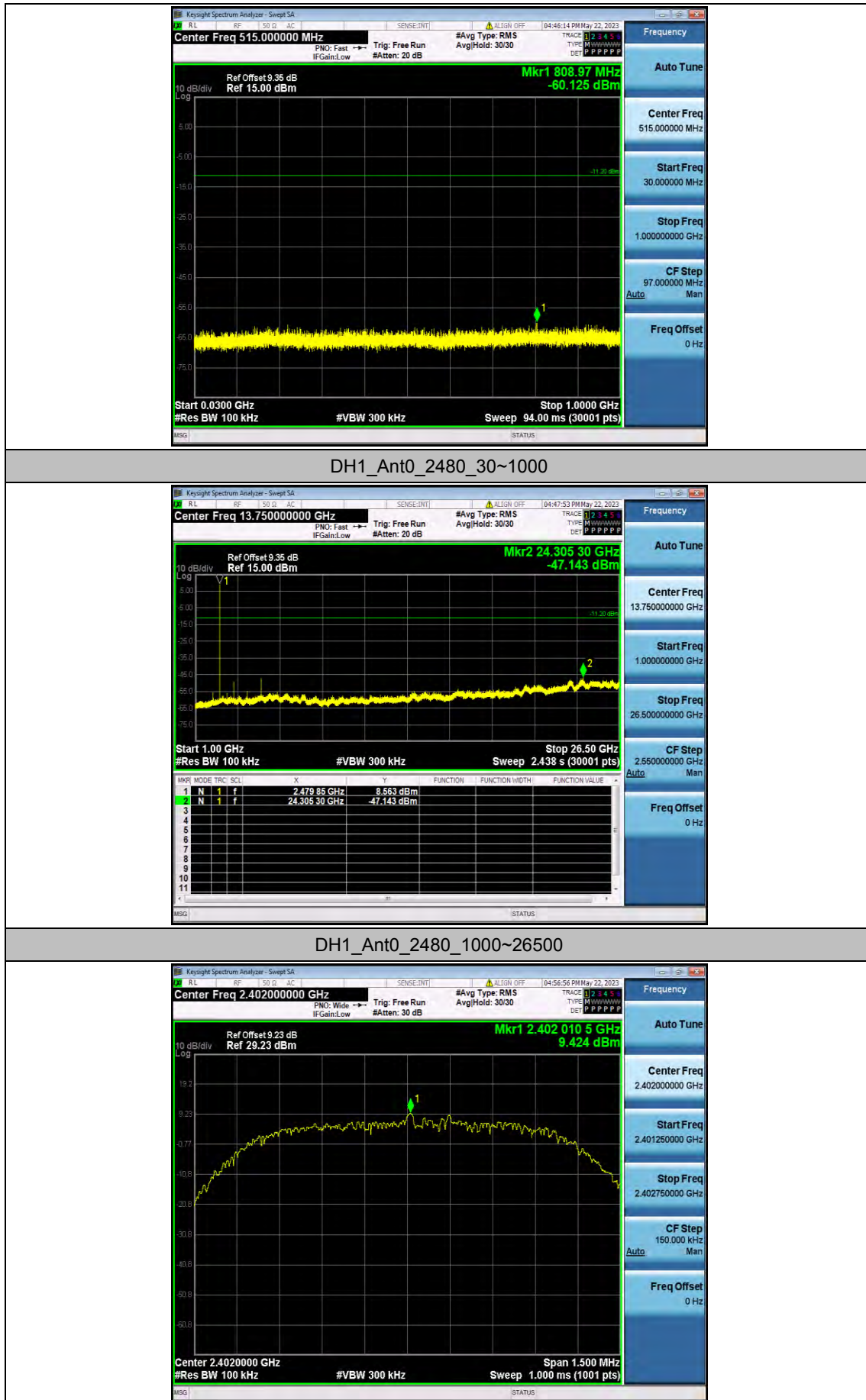
DH1_Ant0_2441_30~1000



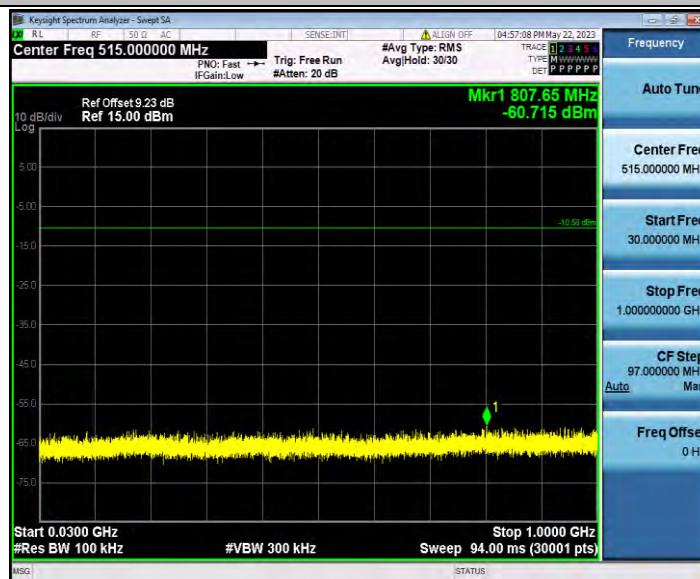
DH1_Ant0_2441_1000~26500



DH1_Ant0_2480_0~Reference



2DH1_Ant0_2402_0~Reference



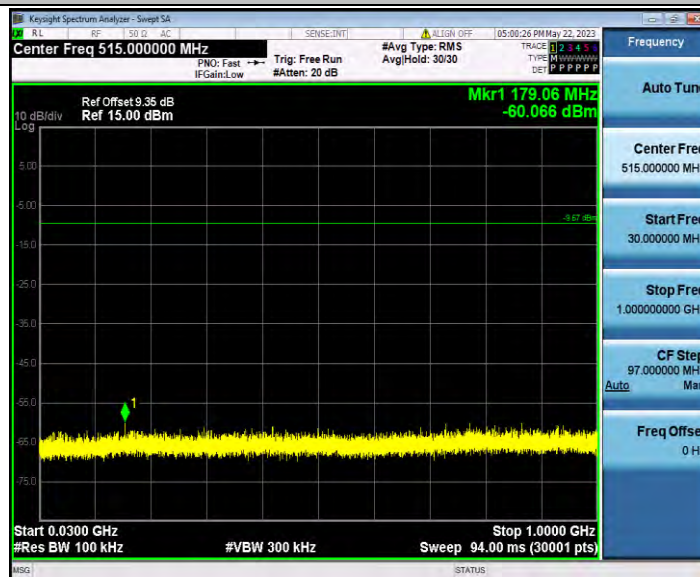
2DH1_Ant0_2402_30~1000



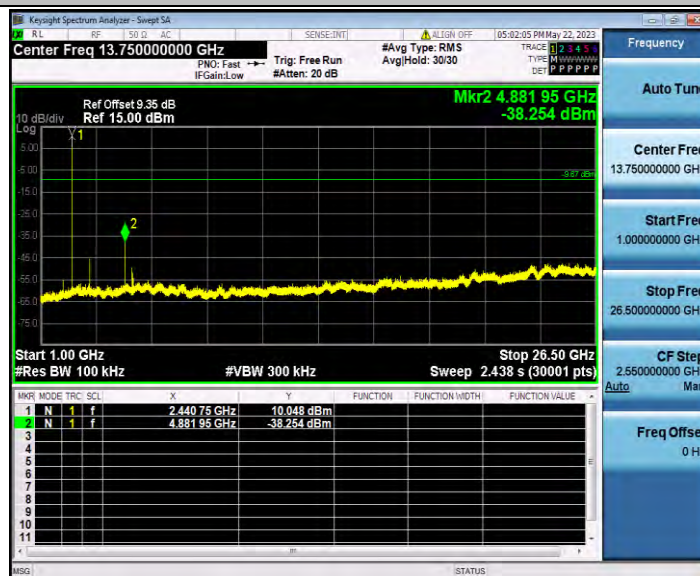
2DH1_Ant0_2402_1000~26500



2DH1_Ant0_2441_0~Reference



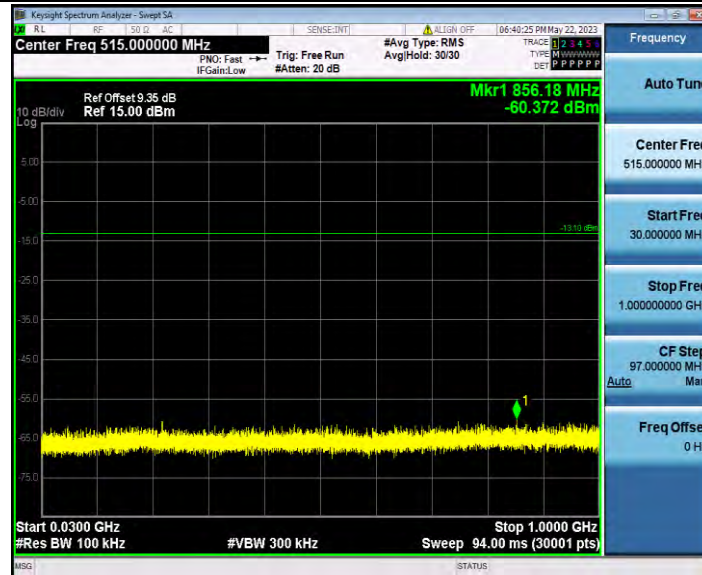
2DH1_Ant0_2441_30~1000



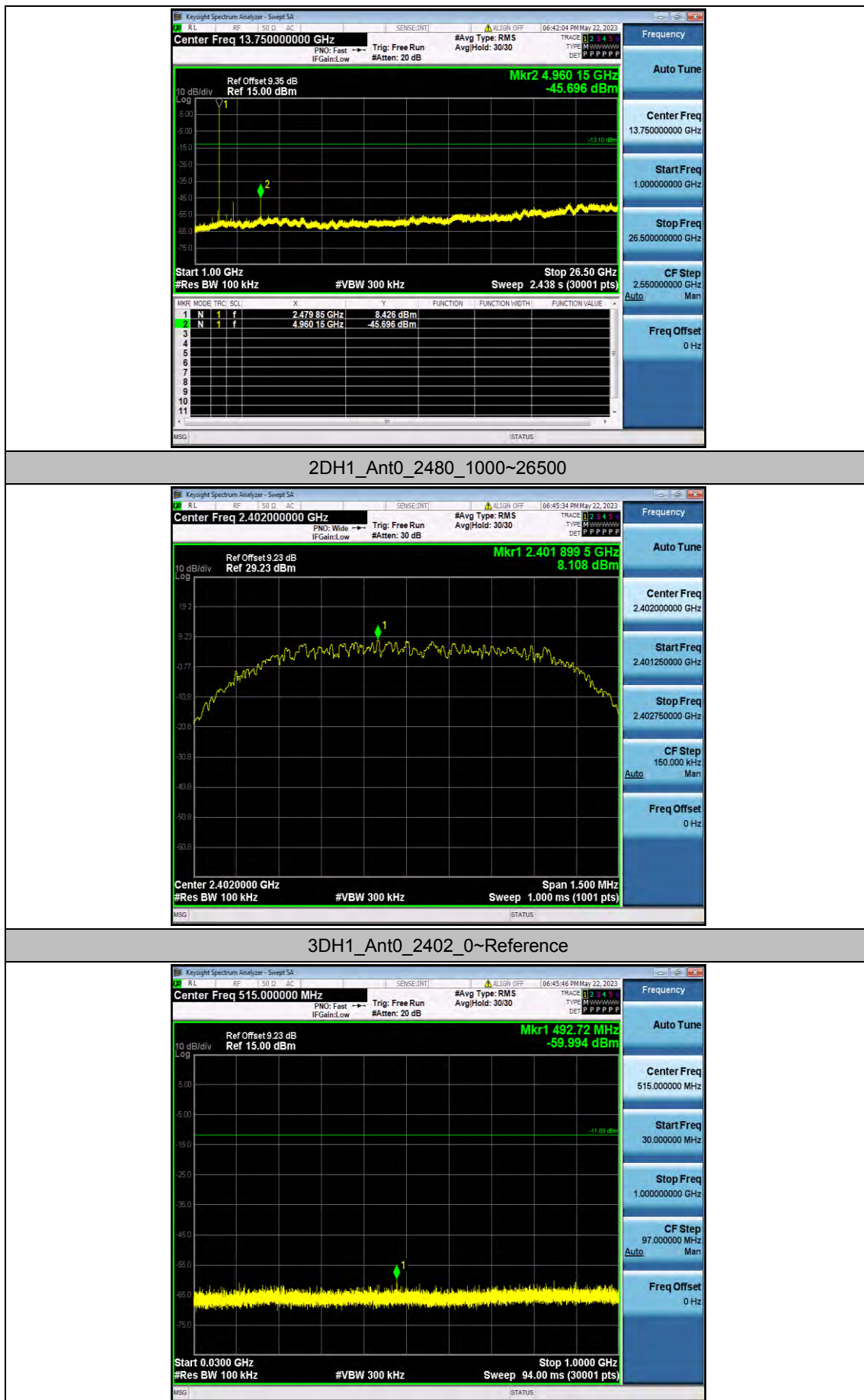
2DH1_Ant0_2441_1000~26500

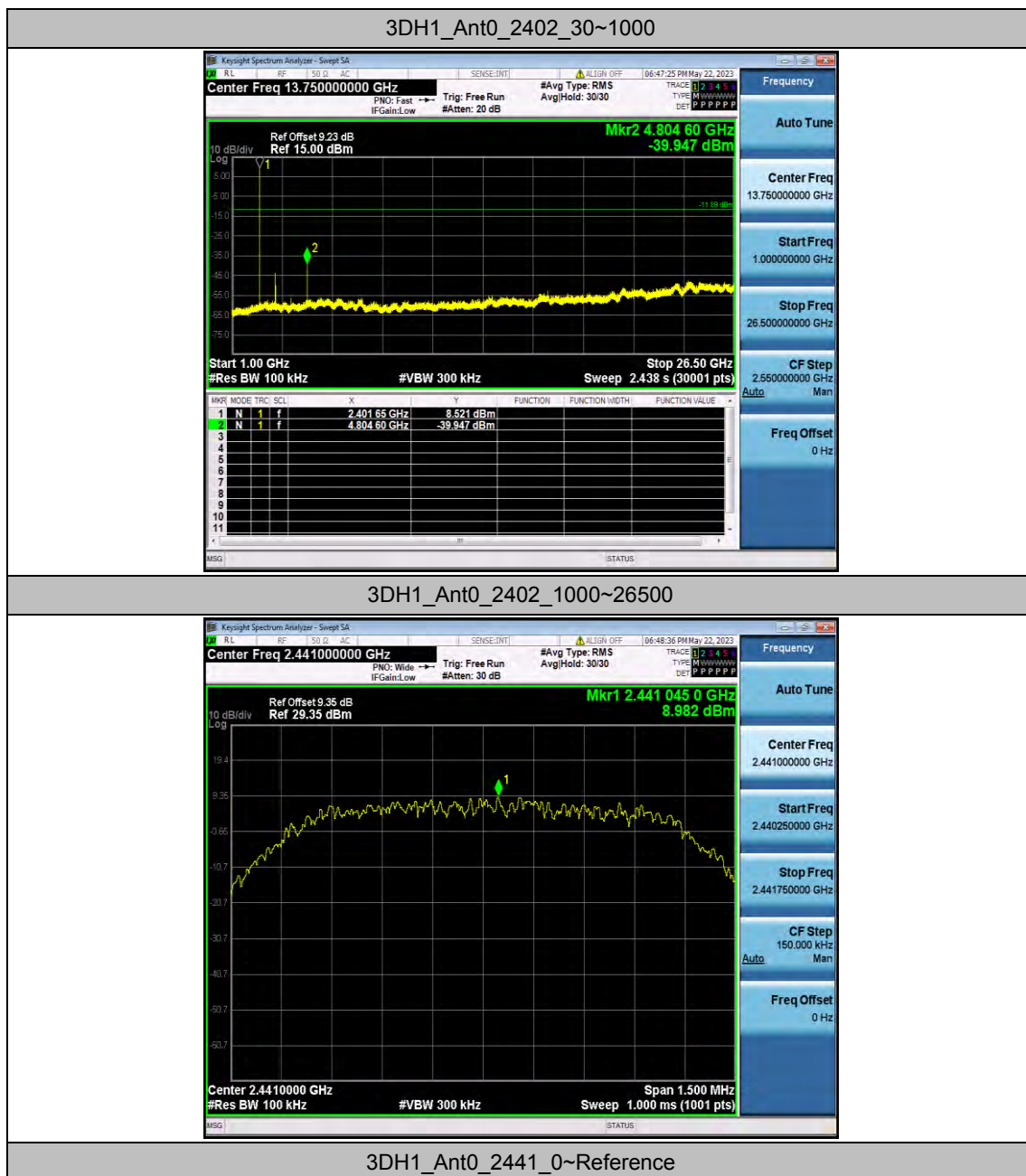


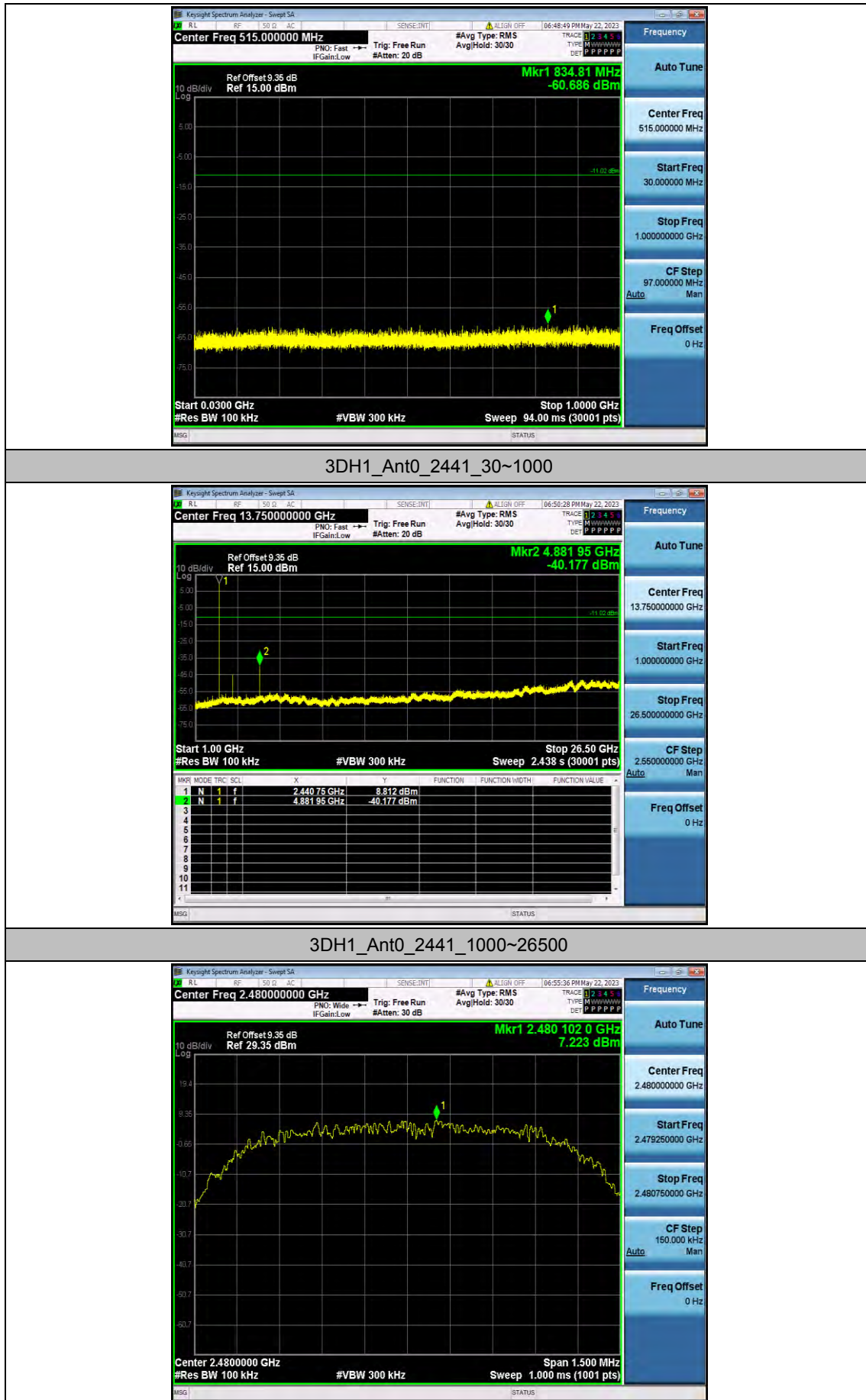
2DH1_Ant0_2480_0~Reference



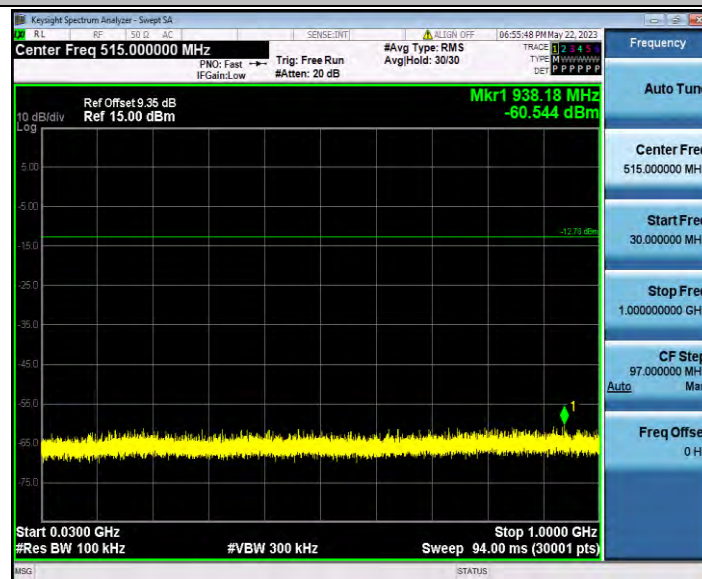
2DH1_Ant0_2480_30~1000



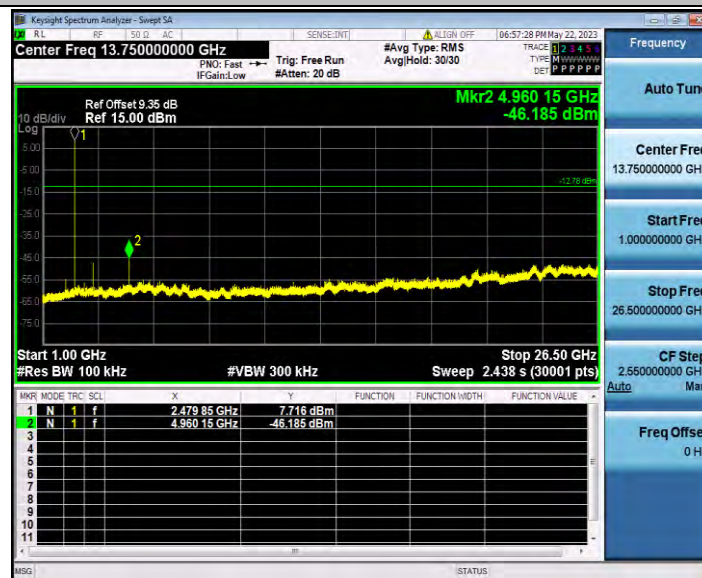




3DH1_Ant0_2480_0~Reference



3DH1_Ant0_2480_30~1000



3DH1_Ant0_2480_1000~26500