

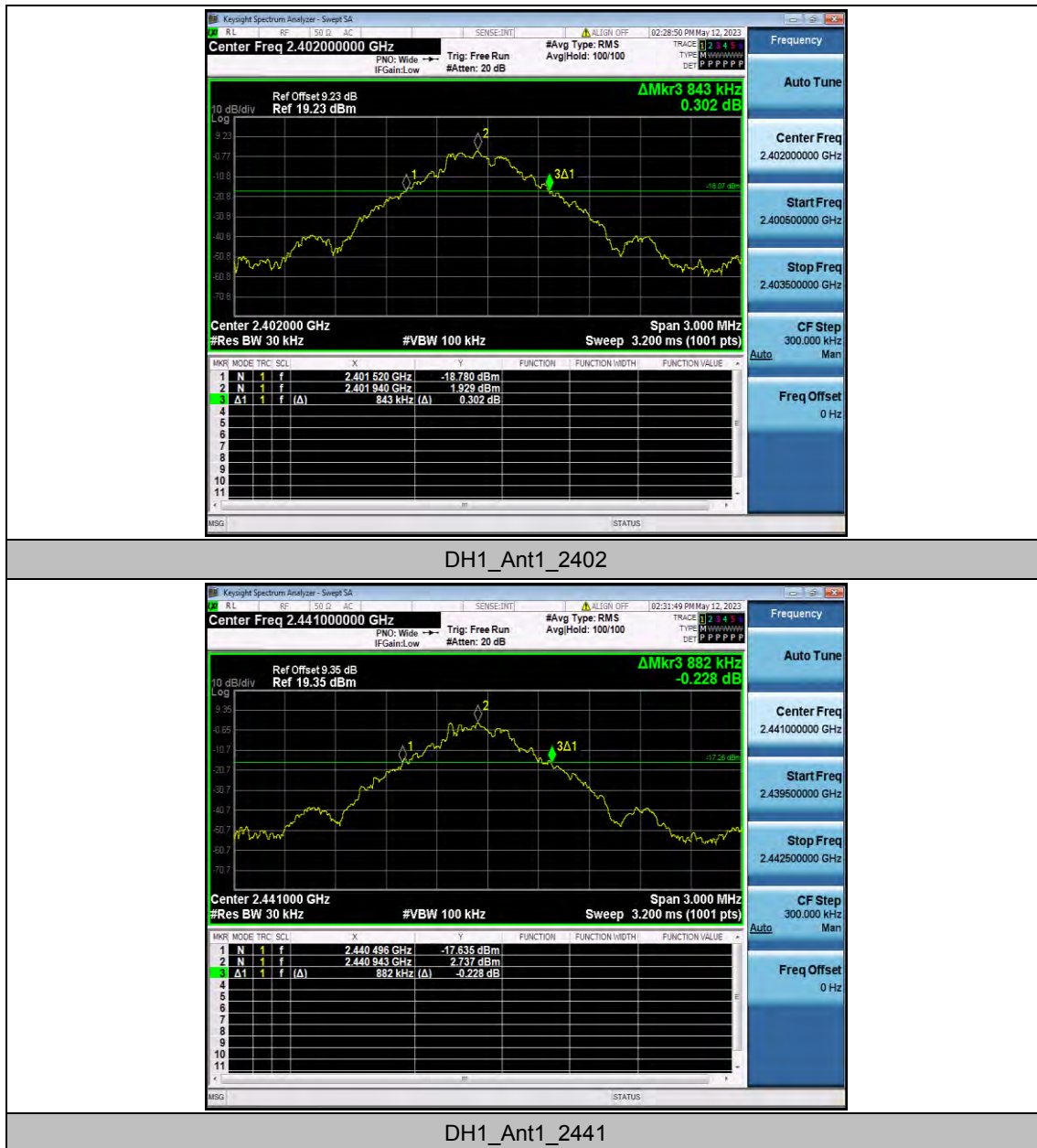
Case No. : <u>GTS20230417004-1-1</u>	
Ambient Condition: <u>24</u> °C, <u>51</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.5.12</u>	Test Engineer: <u>Jenny zeng</u>

Appendix A.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.843	2401.520	2402.363	---	---
		2441	0.882	2440.496	2441.378	---	---
		2480	0.888	2479.487	2480.375	---	---
2DH1	Ant1	2402	1.290	2401.280	2402.570	---	---
		2441	1.293	2440.280	2441.573	---	---
		2480	1.299	2479.277	2480.576	---	---

Test Graphs



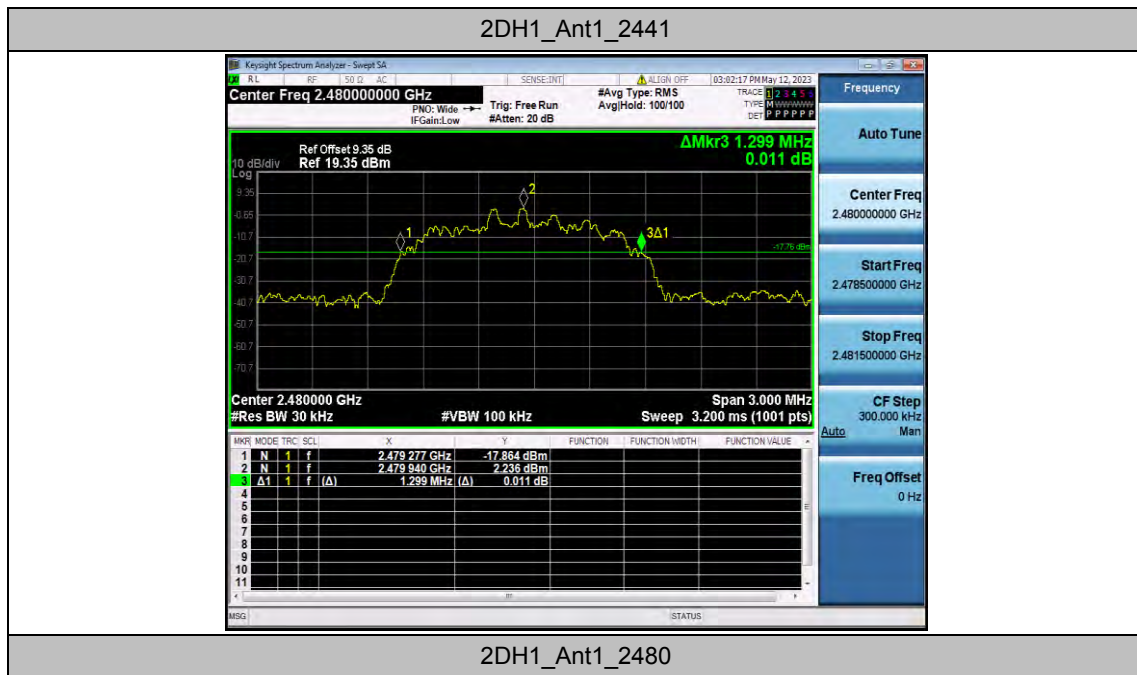


DH1_Ant1_2480



2DH1_Ant1_2402



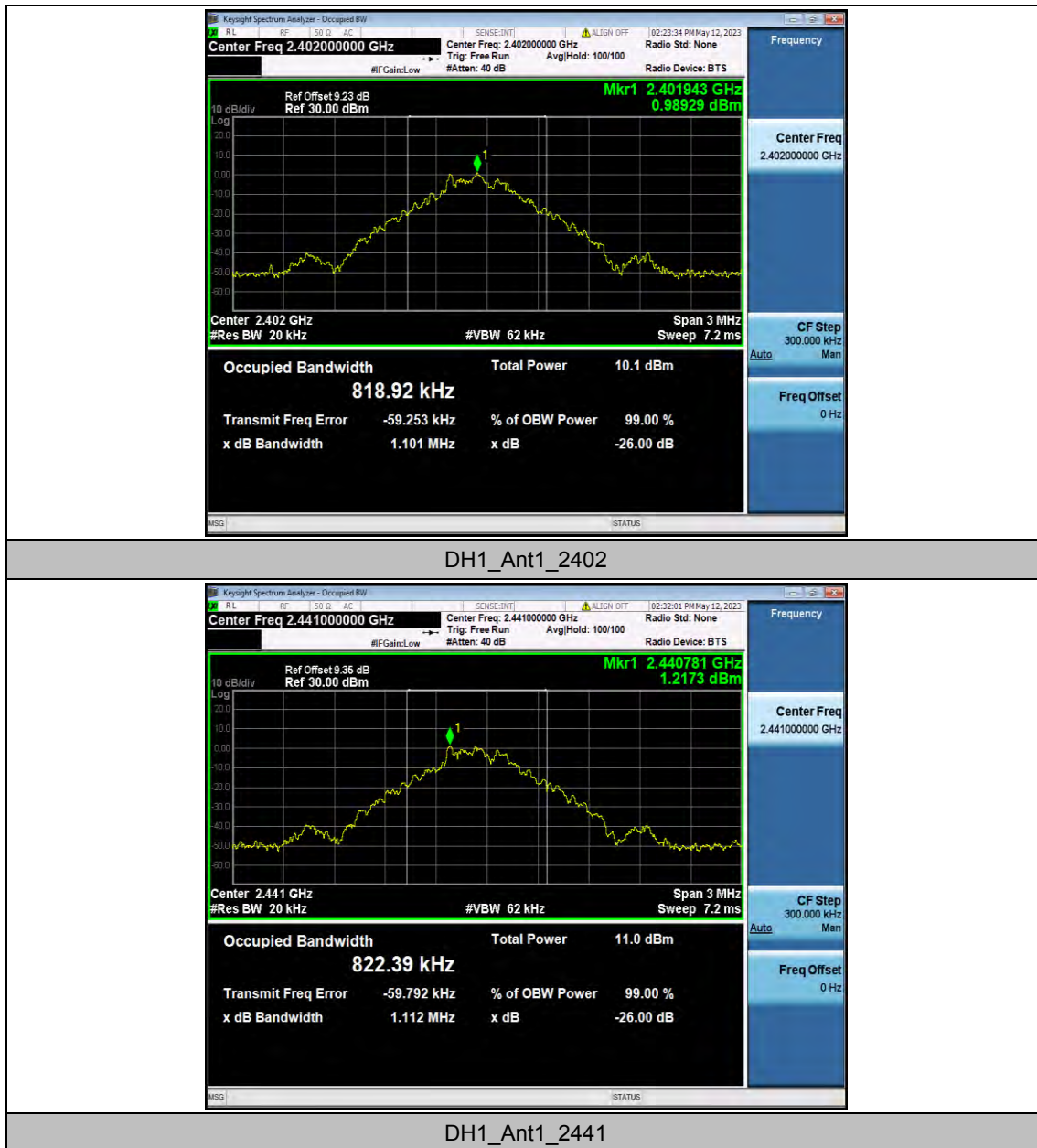


Appendix A.2: Occupied Channel Bandwidth

Test Result

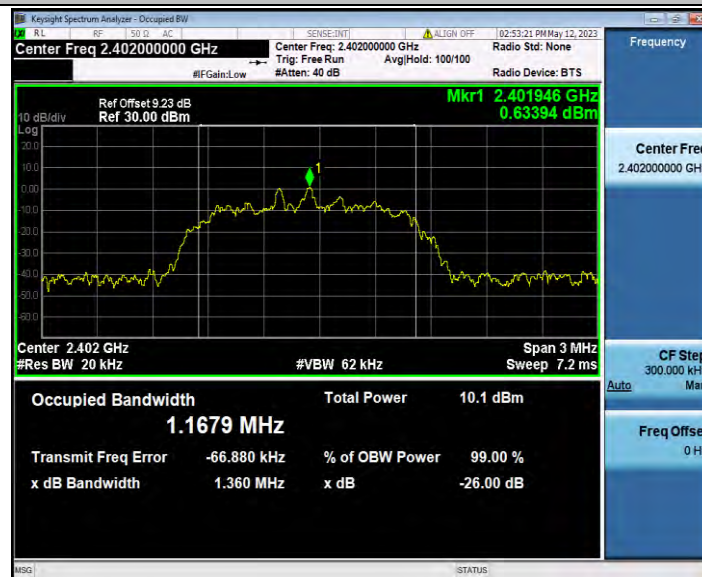
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.81892	2401.531	2402.350	---	---
		2441	0.82239	2440.529	2441.351	---	---
		2480	0.80765	2479.537	2480.344	---	---
2DH1	Ant1	2402	1.1679	2401.349	2402.517	---	---
		2441	1.1729	2440.348	2441.521	---	---
		2480	1.1663	2479.345	2480.512	---	---

Test Graphs



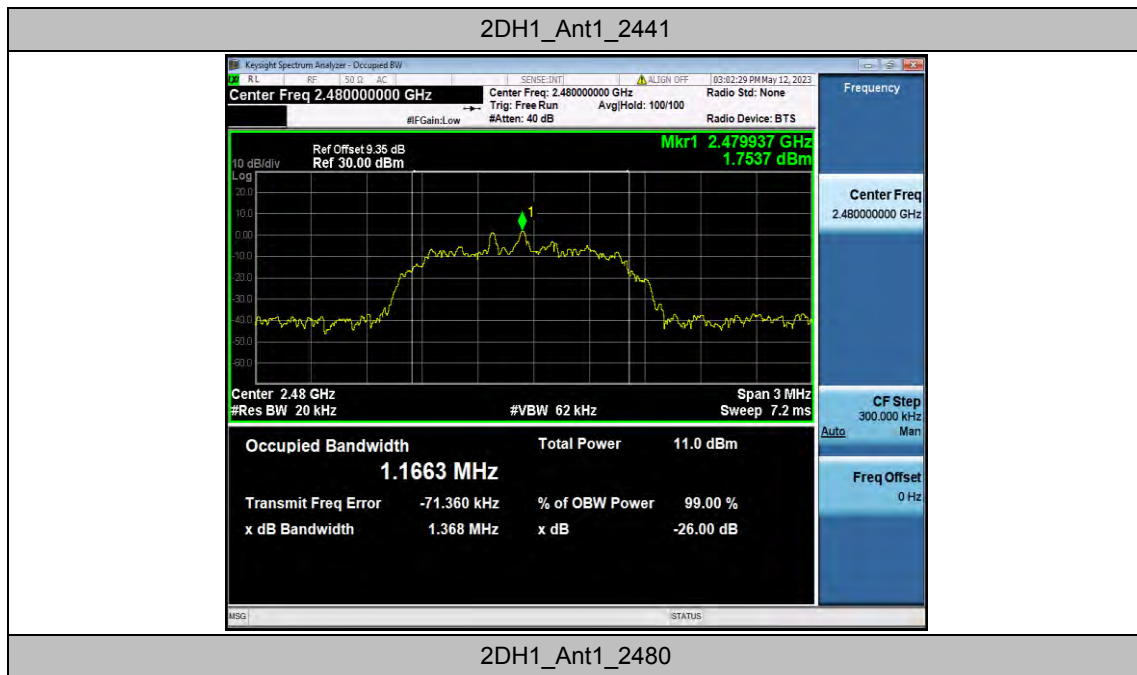


DH1_Ant1_2480



2DH1_Ant1_2402





Appendix A.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	4.47	≤ 20.97	PASS
		2441	5.34	≤ 20.97	PASS
		2480	5.35	≤ 20.97	PASS
2DH1	Ant1	2402	5.01	≤ 20.97	PASS
		2441	5.82	≤ 20.97	PASS
		2480	5.81	≤ 20.97	PASS

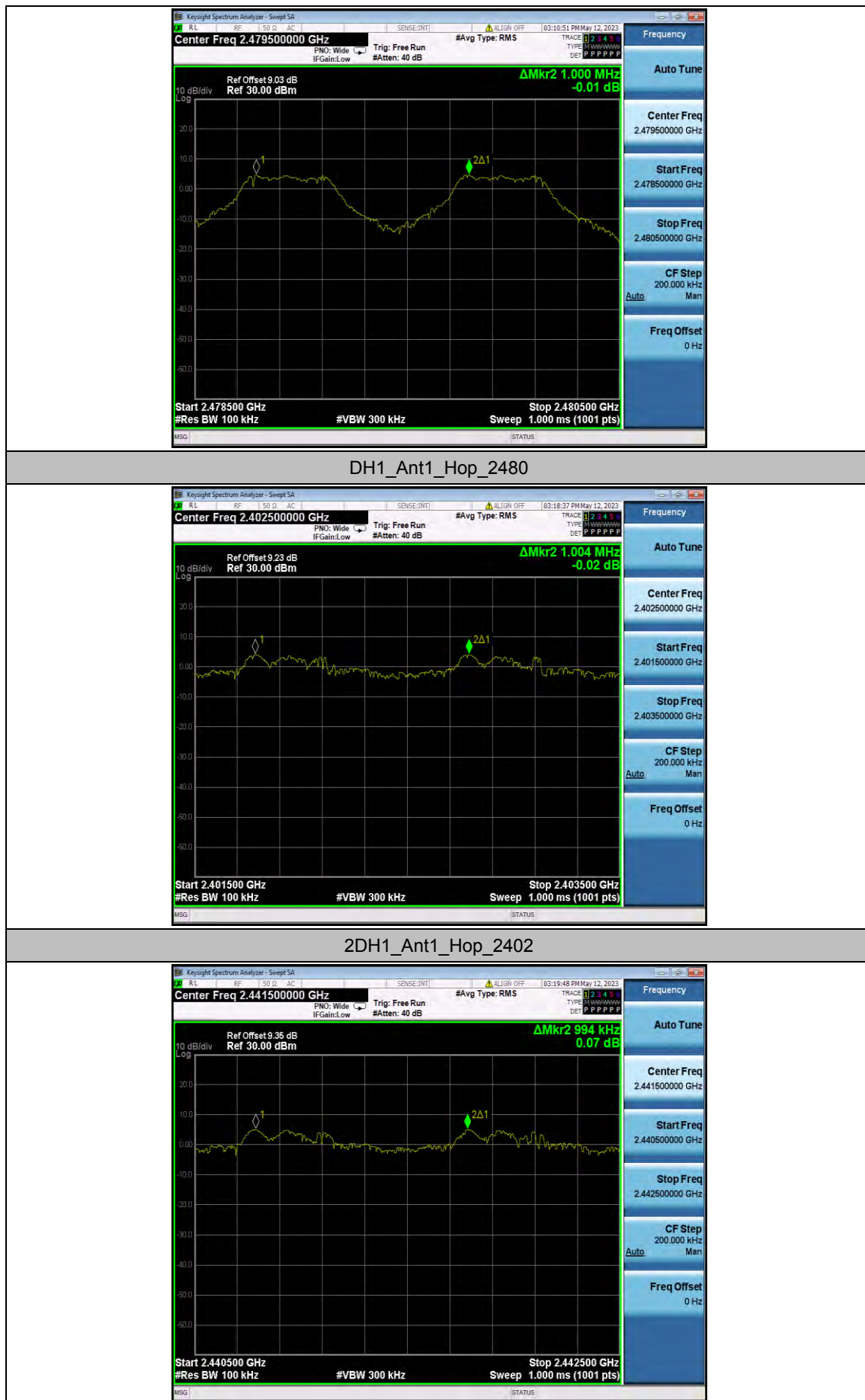
Appendix A.4: Carrier frequency separation

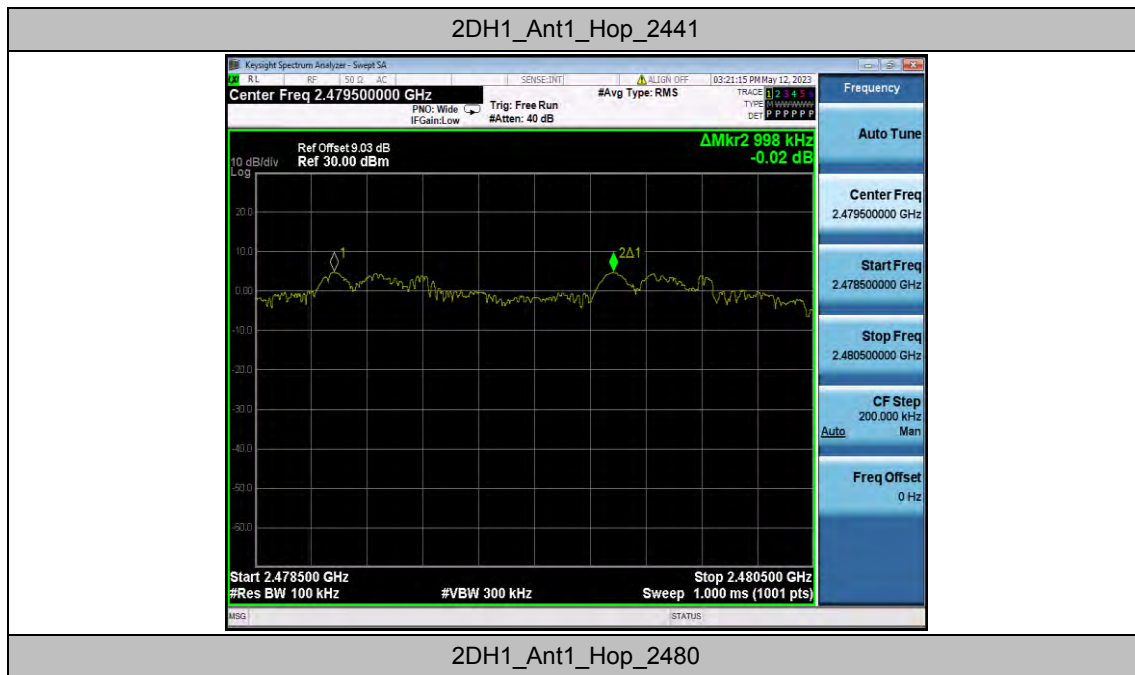
Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	0.838	≥ 0.592	PASS
		Hop_2441	0.994	≥ 0.592	PASS
		Hop_2480	1	≥ 0.592	PASS
2DH1	Ant1	Hop_2402	1.004	≥ 0.866	PASS
		Hop_2441	0.994	≥ 0.866	PASS
		Hop_2480	0.998	≥ 0.866	PASS

Test Graphs





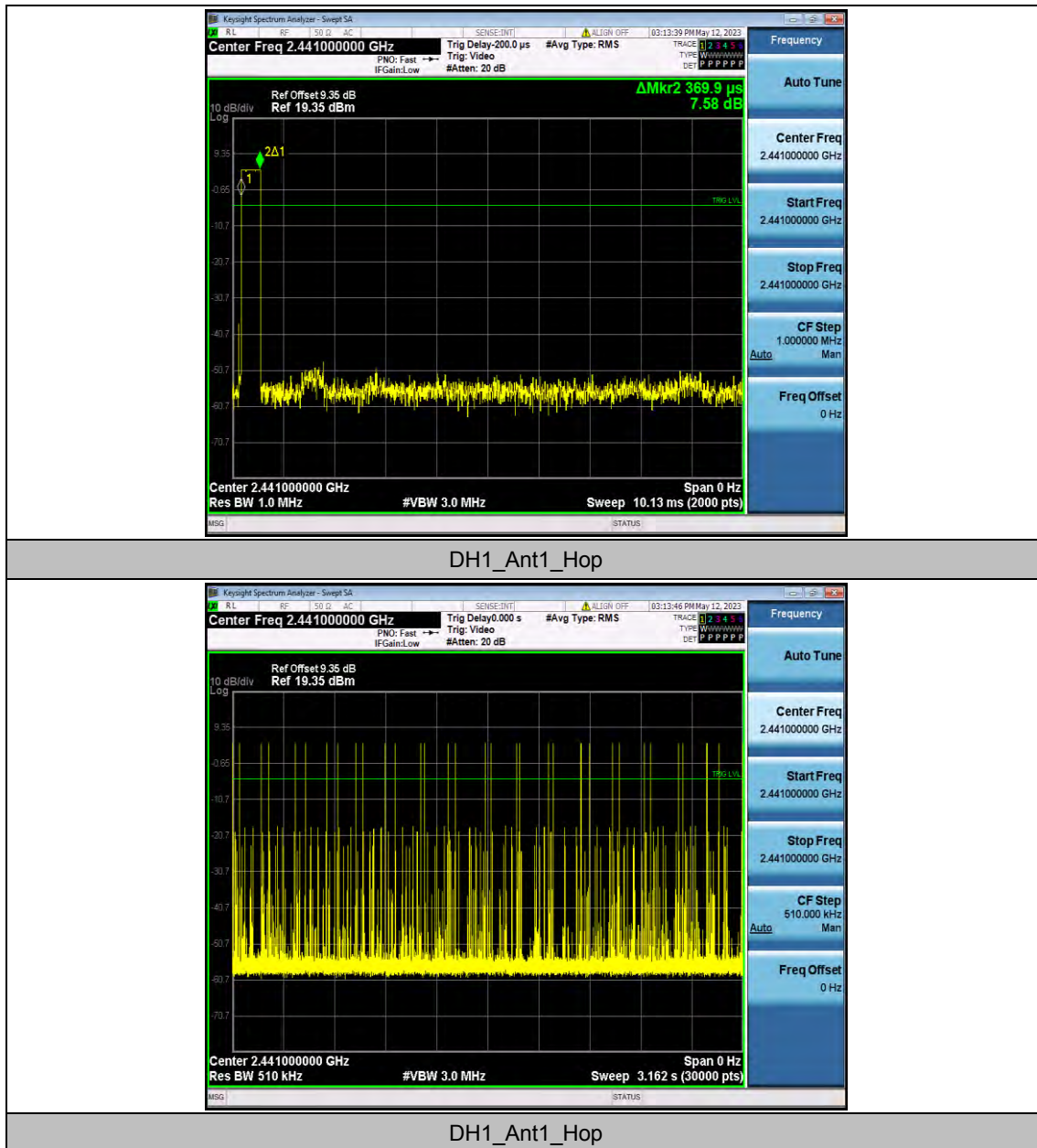


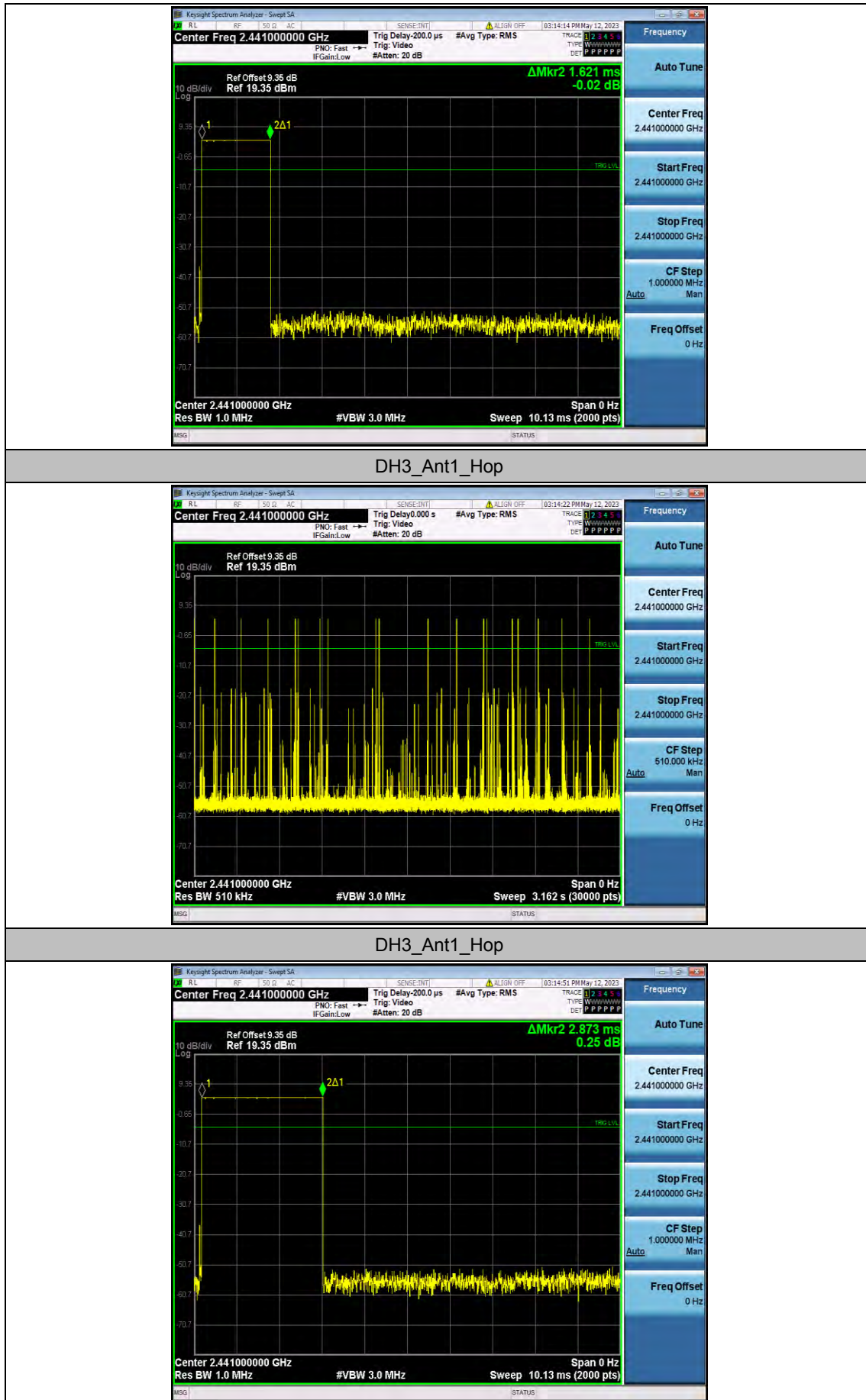
Appendix A.5: Time of occupancy

Test Result

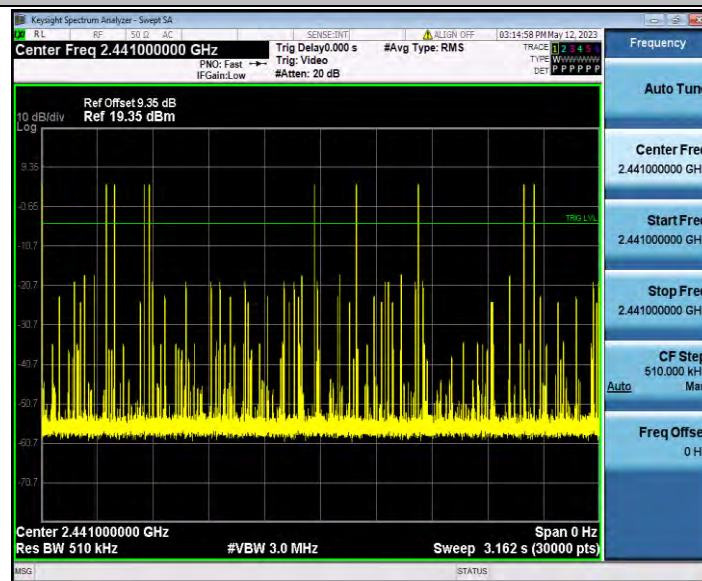
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	330	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.62	190	0.308	≤0.4	PASS
DH5	Ant1	Hop	2.87	100	0.287	≤0.4	PASS
2DH1	Ant1	Hop	0.37	330	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.63	140	0.228	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

Test Graphs

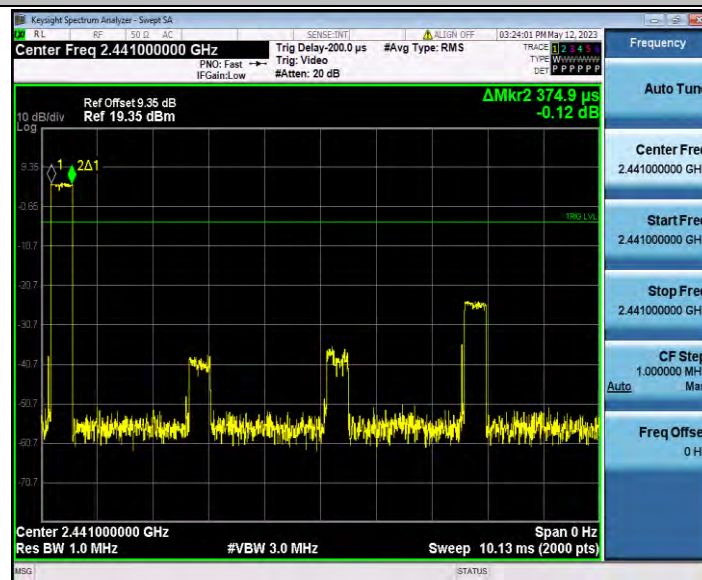




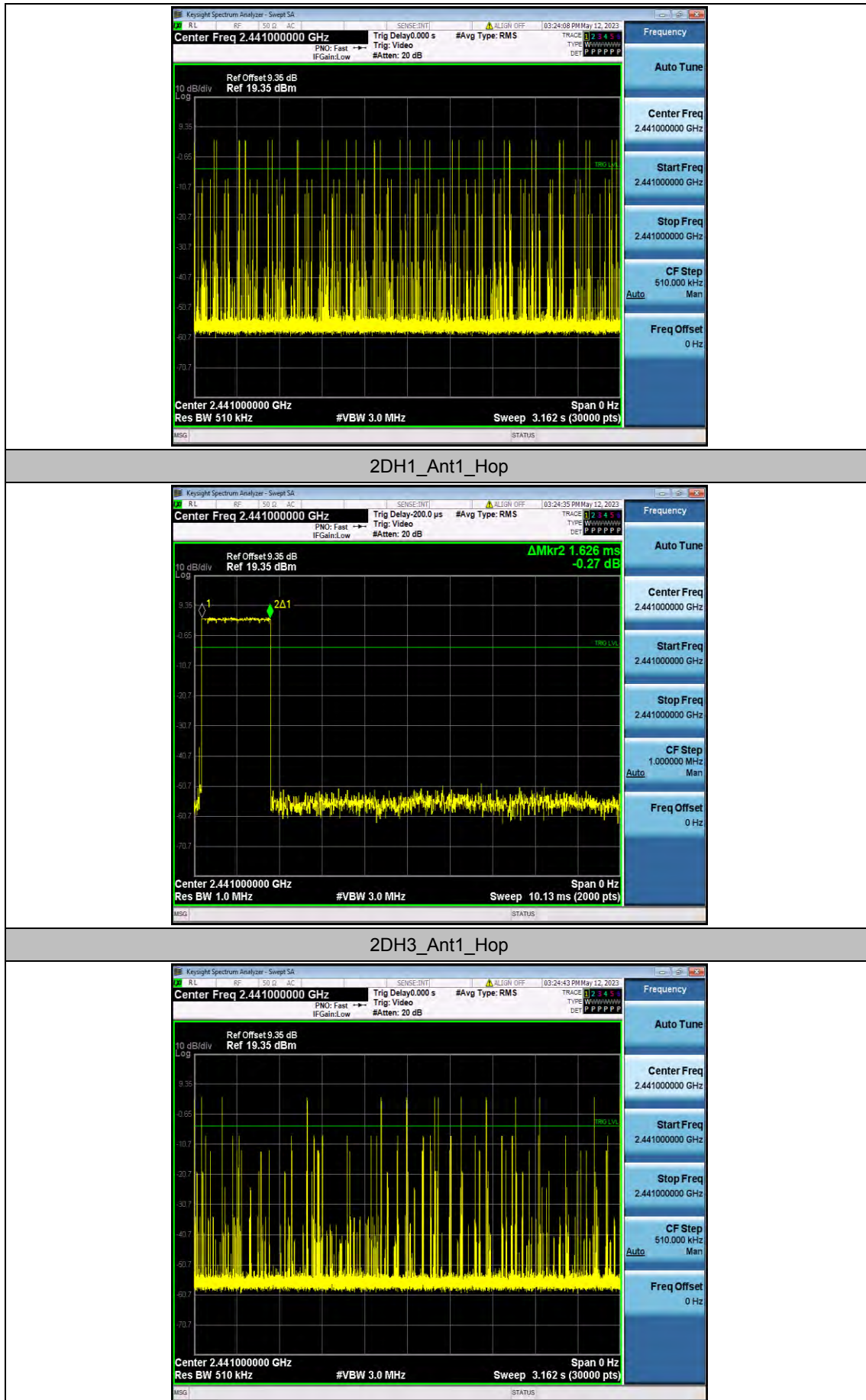
DH5_Ant1_Hop



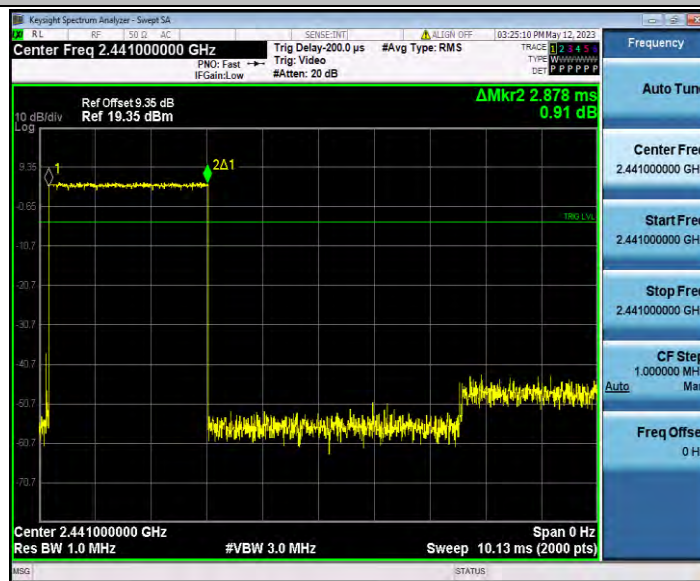
DH5_Ant1_Hop



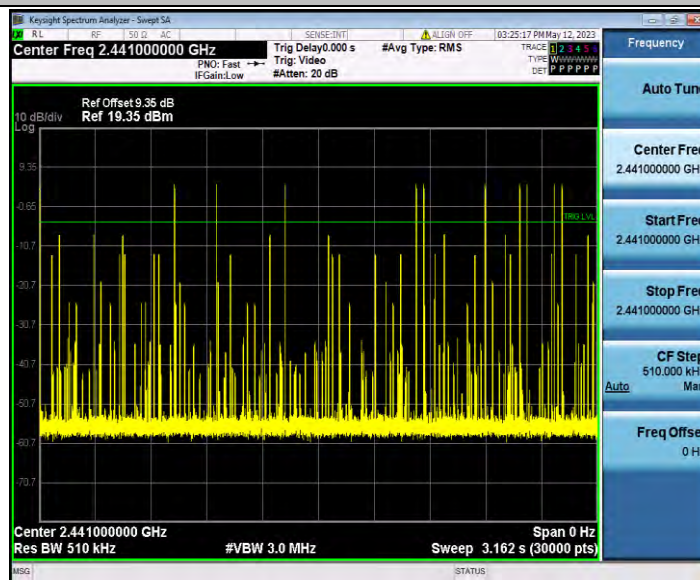
2DH1_Ant1_Hop



2DH3_Ant1_Hop



2DH5_Ant1_Hop



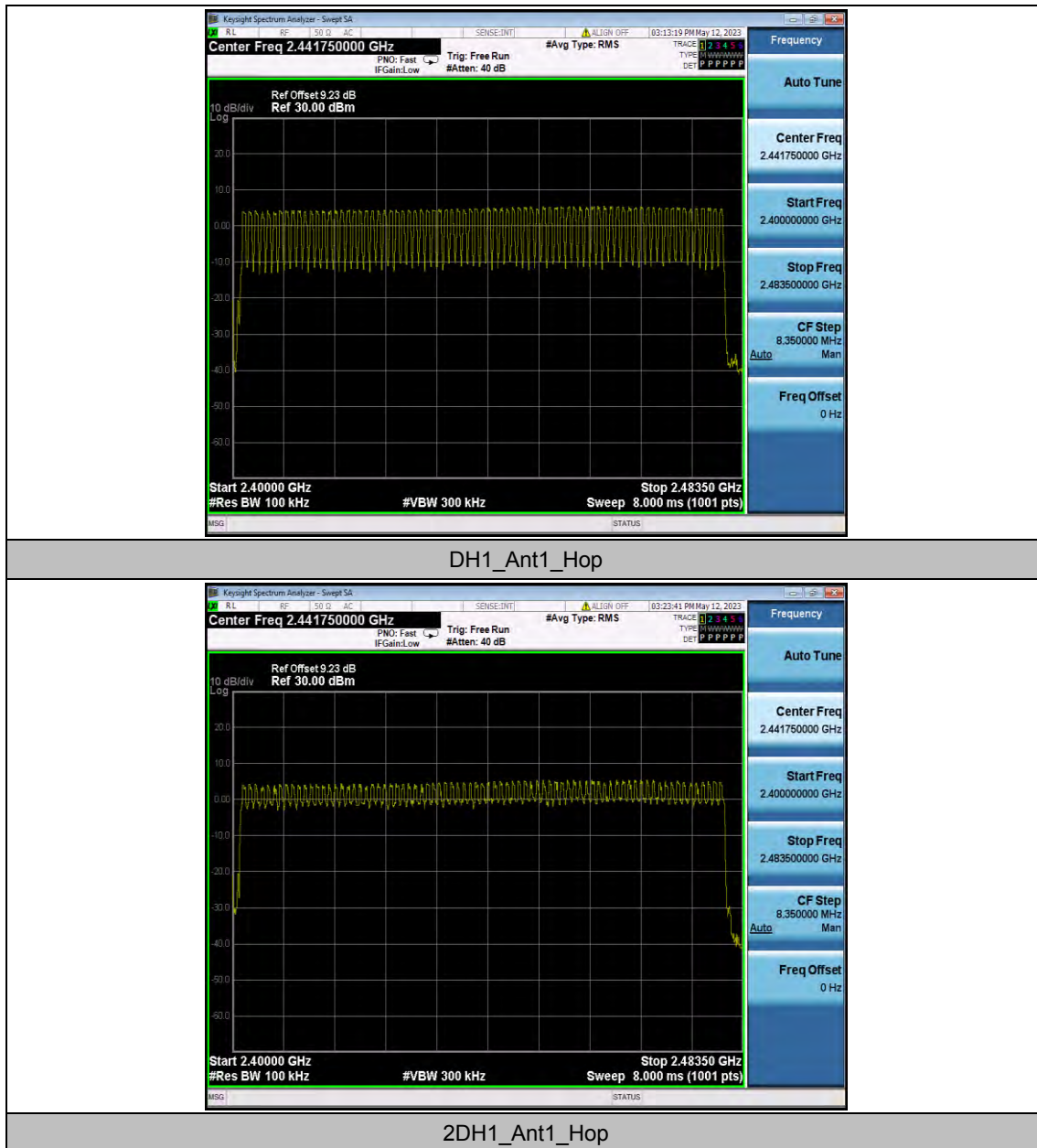
2DH5_Ant1_Hop

Appendix A.6: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

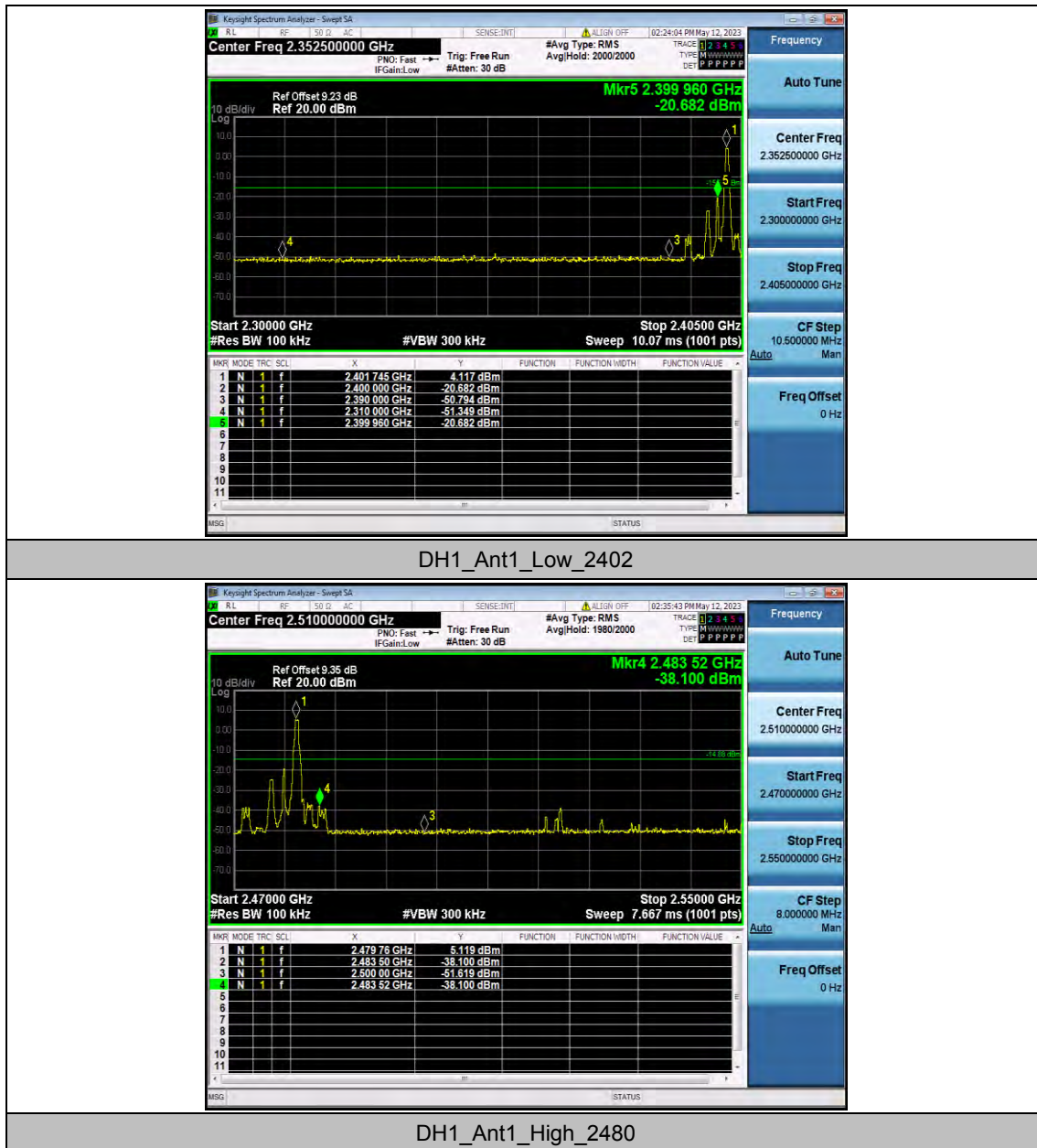


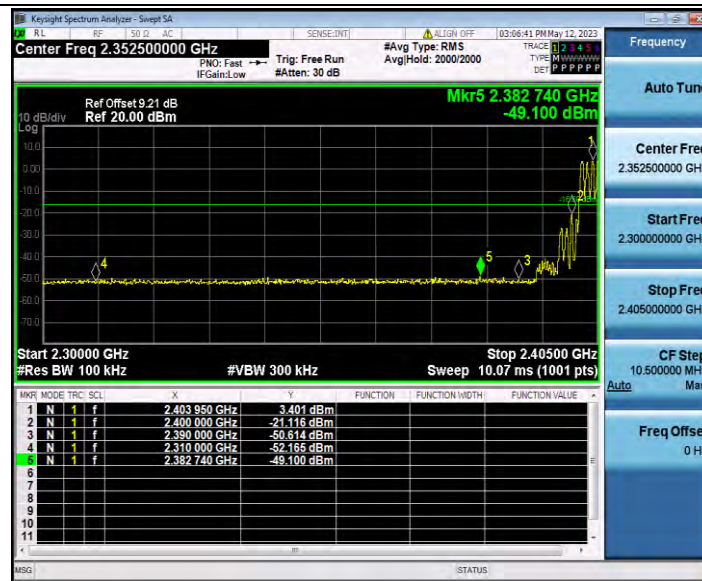
Appendix A.7: Band edge measurements

Test Result

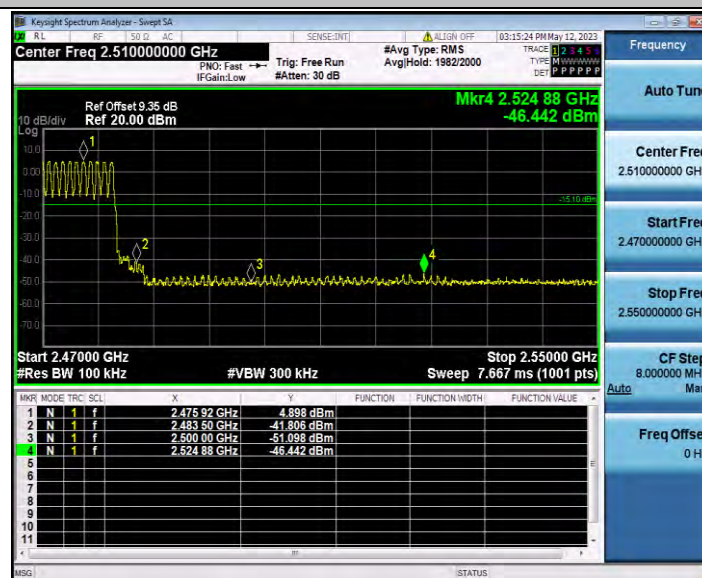
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	4.12	-20.68	≤-15.88	PASS
		High	2480	5.12	-38.1	≤-14.88	PASS
		Low	Hop_2402	3.40	-49.1	≤-16.6	PASS
		High	Hop_2480	4.90	-46.44	≤-15.1	PASS
2DH1	Ant1	Low	2402	4.15	-20.7	≤-15.85	PASS
		High	2480	5.09	-38.14	≤-14.91	PASS
		Low	Hop_2402	3.38	-49.26	≤-16.62	PASS
		High	Hop_2480	5.07	-46.91	≤-14.93	PASS

Test Graphs

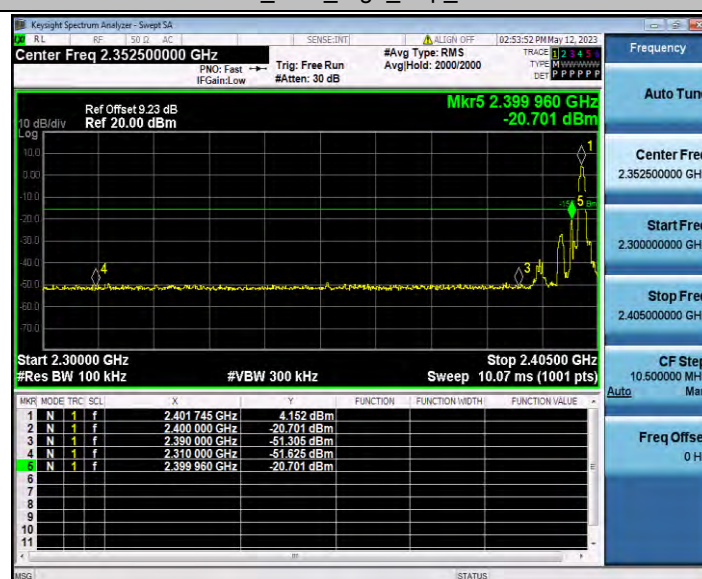




DH1_Ant1_Low_Hop_2402



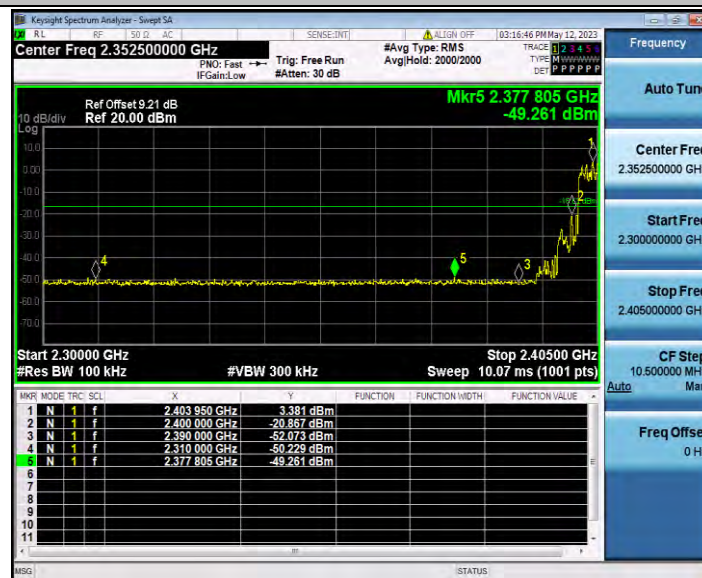
DH1_Ant1_High_Hop_2480



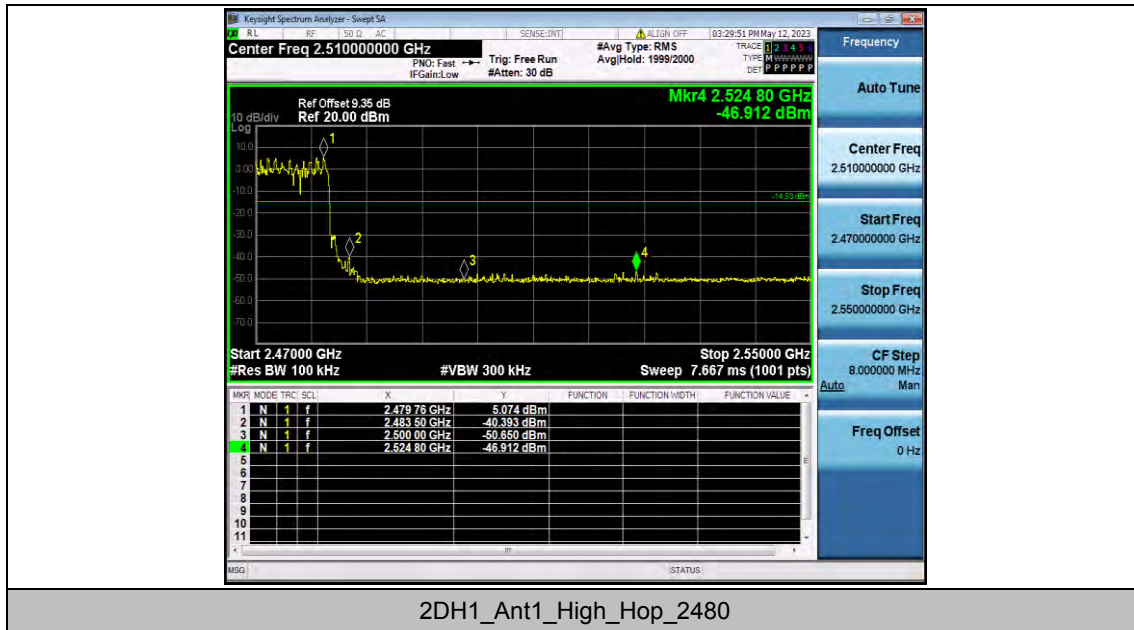
2DH1_Ant1_Low_2402



2DH1_Ant1_High_2480



2DH1_Ant1_Low_Hop_2402

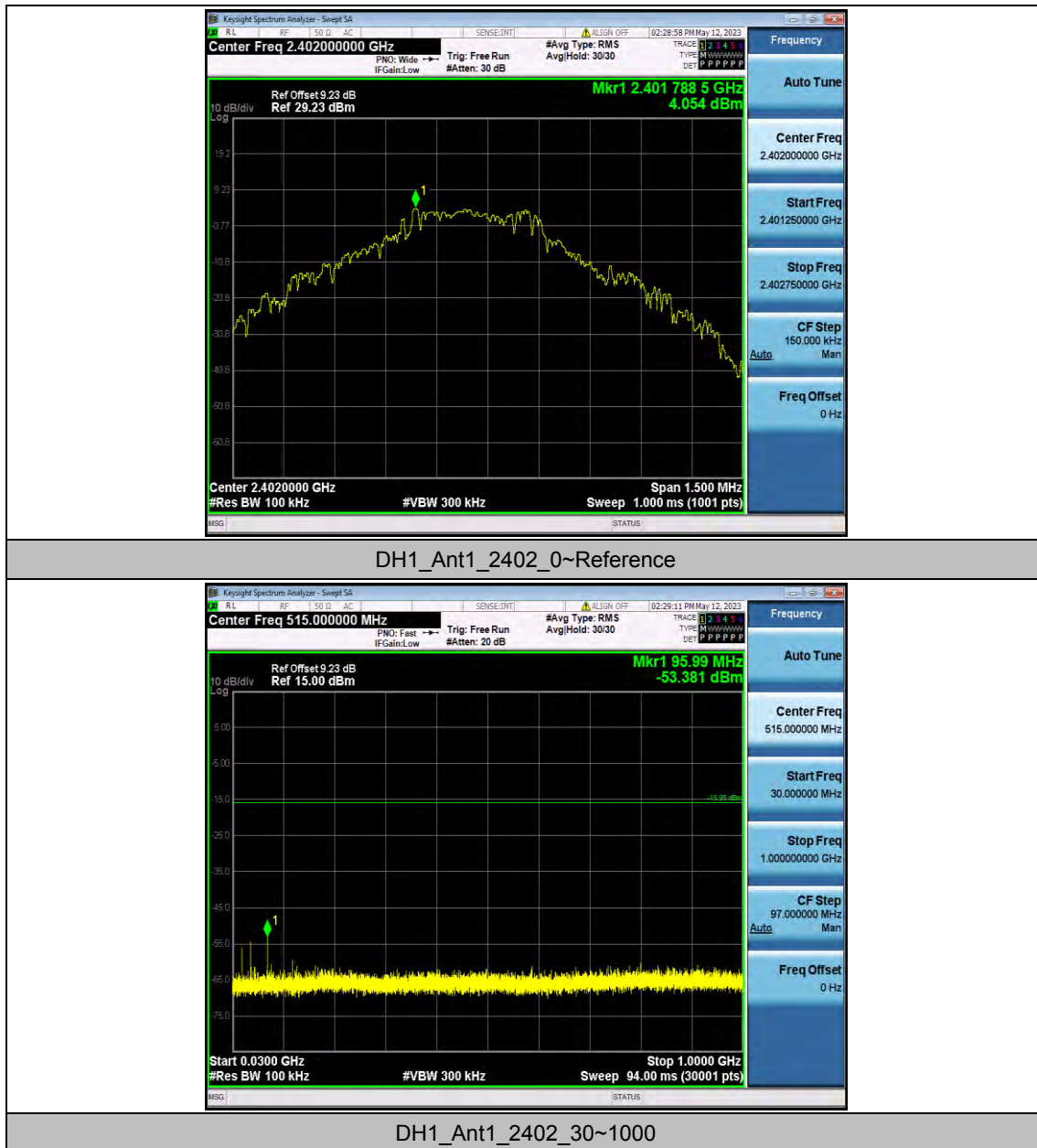


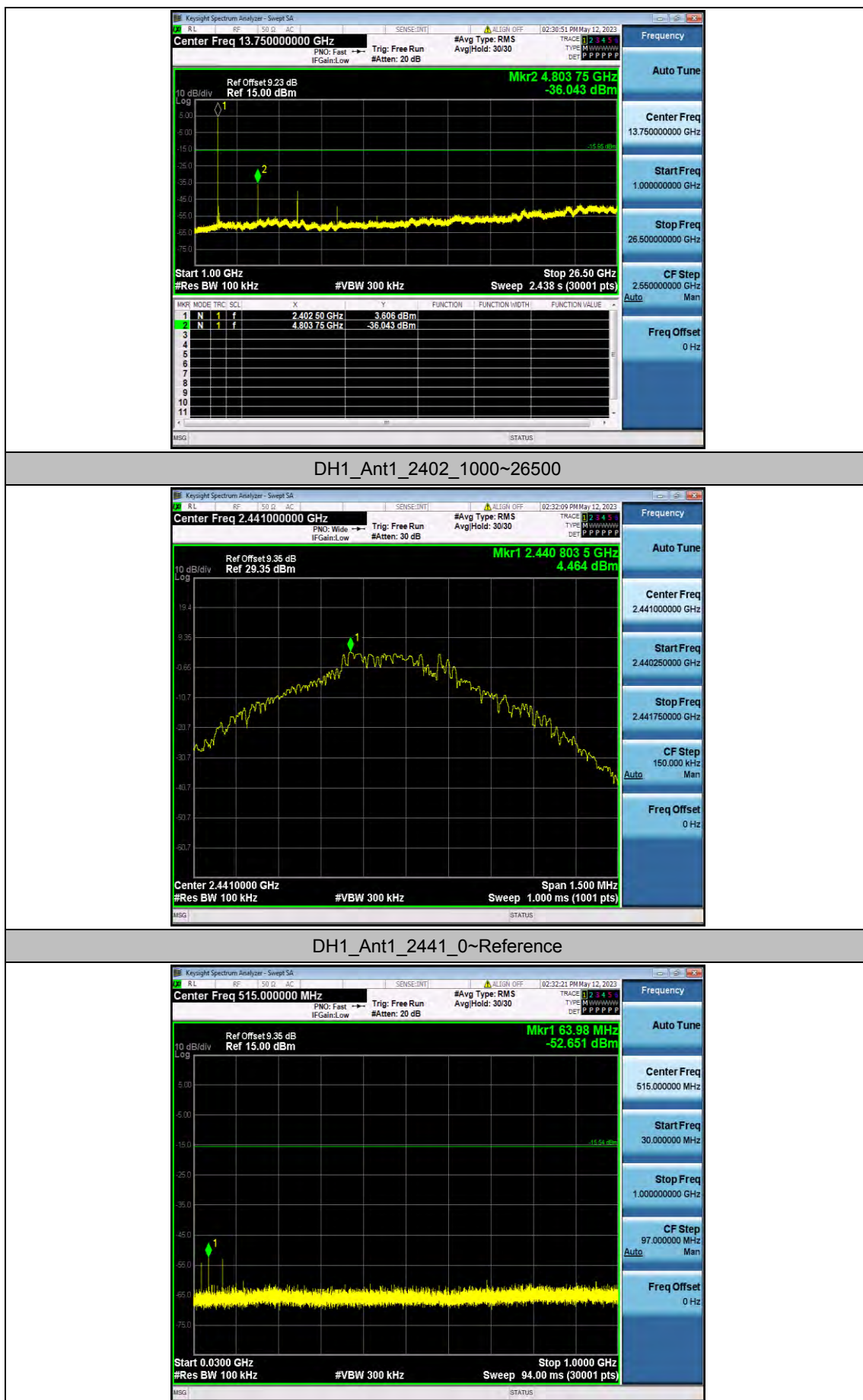
Appendix A.8: Conducted Spurious Emission

Test Result

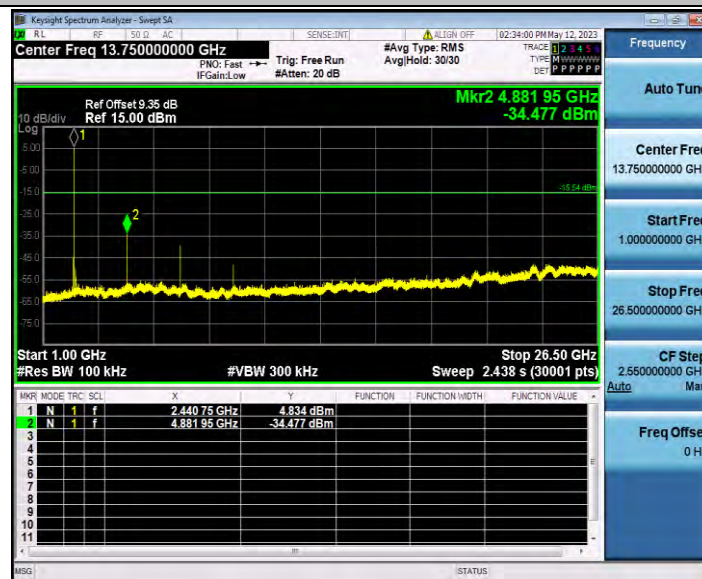
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	4.05	4.05	---	PASS
			30~1000	4.05	-53.38	≤ -15.95	PASS
			1000~26500	4.05	-36.04	≤ -15.95	PASS
		2441	Reference	4.46	4.46	---	PASS
			30~1000	4.46	-52.65	≤ -15.54	PASS
			1000~26500	4.46	-34.48	≤ -15.54	PASS
		2480	Reference	4.98	4.98	---	PASS
			30~1000	4.98	-53.19	≤ -15.02	PASS
			1000~26500	4.98	-37.5	≤ -15.02	PASS
2DH1	Ant1	2402	Reference	3.81	3.81	---	PASS
			30~1000	3.81	-54.08	≤ -16.19	PASS
			1000~26500	3.81	-36.76	≤ -16.19	PASS
		2441	Reference	4.97	4.97	---	PASS
			30~1000	4.97	-52.8	≤ -15.03	PASS
			1000~26500	4.97	-35.24	≤ -15.03	PASS
		2480	Reference	4.80	4.80	---	PASS
			30~1000	4.80	-53.72	≤ -15.2	PASS
			1000~26500	4.80	-36.85	≤ -15.2	PASS

Test Graphs





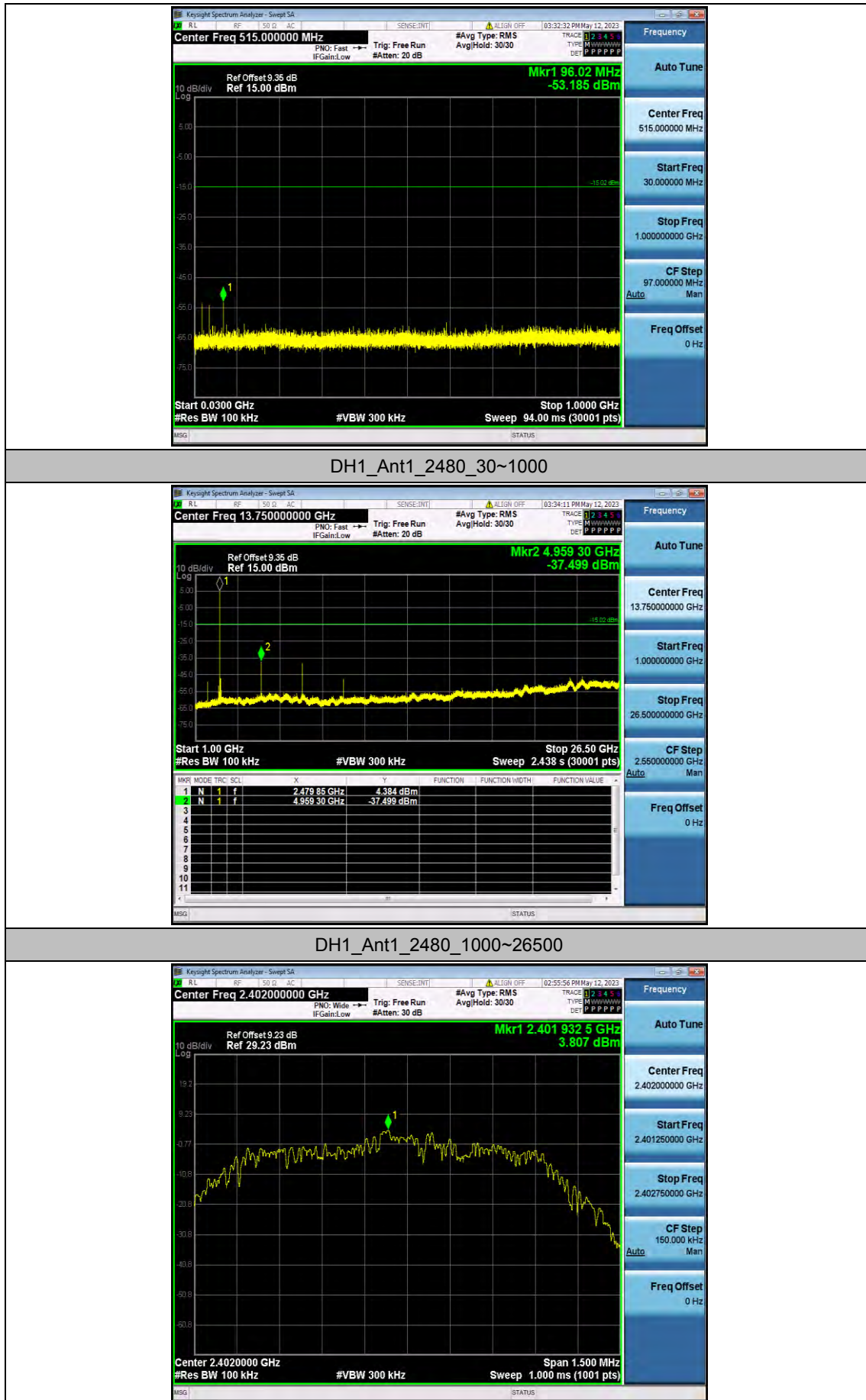
DH1_Ant1_2441_30~1000



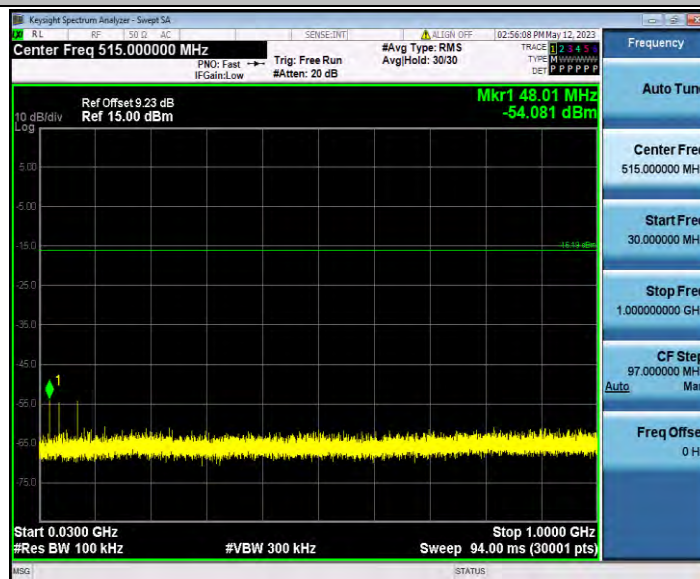
DH1_Ant1_2441_1000~26500



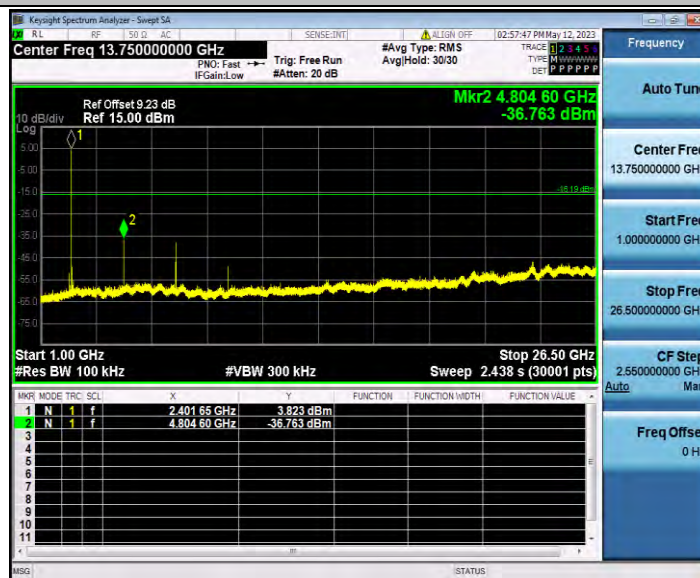
DH1_Ant1_2480_0~Reference



2DH1_Ant1_2402_0~Reference



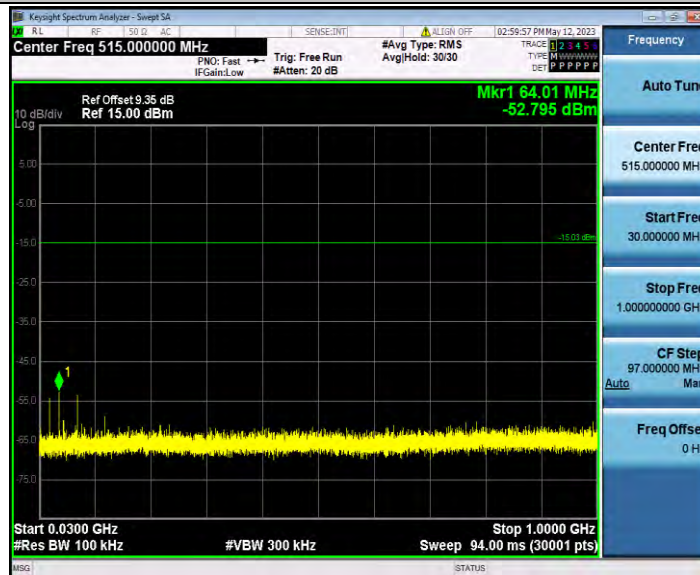
2DH1_Ant1_2402_30~1000



2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



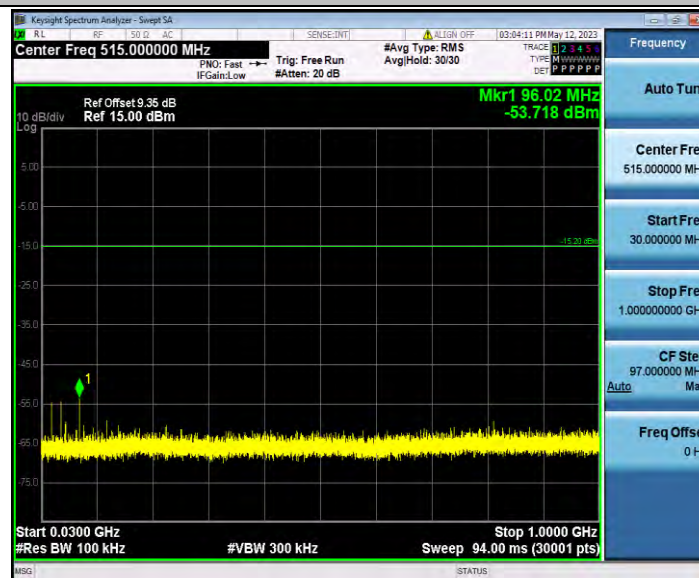
2DH1_Ant1_2441_30~1000



2DH1_Ant1_2441_1000~26500



2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000

