

Case No. : <u>GTS20250708005-2-01</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.7.11-2025.8.04</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	0.909	2401.574	2402.483	---	---
		2441	0.909	2440.562	2441.471	---	---
		2480	0.912	2479.556	2480.468	---	---
2DH1	Ant2	2402	1.272	2401.382	2402.654	---	---
		2441	1.284	2440.358	2441.642	---	---
		2480	1.260	2479.379	2480.639	---	---
3DH1	Ant2	2402	1.239	2401.397	2402.636	---	---
		2441	1.263	2440.382	2441.645	---	---
		2480	1.245	2479.388	2480.633	---	---

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



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	0.82857	2401.6103	2402.4389	---	---
		2441	0.81944	2440.6151	2441.4345	---	---
		2480	0.83244	2479.5939	2480.4263	---	---
2DH1	Ant2	2402	1.1663	2401.4318	2402.5981	---	---
		2441	1.1656	2440.4251	2441.5907	---	---
		2480	1.1597	2479.4280	2480.5877	---	---
3DH1	Ant2	2402	1.1552	2401.4498	2402.6050	---	---
		2441	1.1515	2440.4460	2441.5975	---	---
		2480	1.1564	2479.4440	2480.6004	---	---

Test Graphs

DH1_Ant2_2402



DH1_Ant2_2441



DH1_Ant2_2480



2DH1_Ant2_2402



2DH1_Ant2_2441



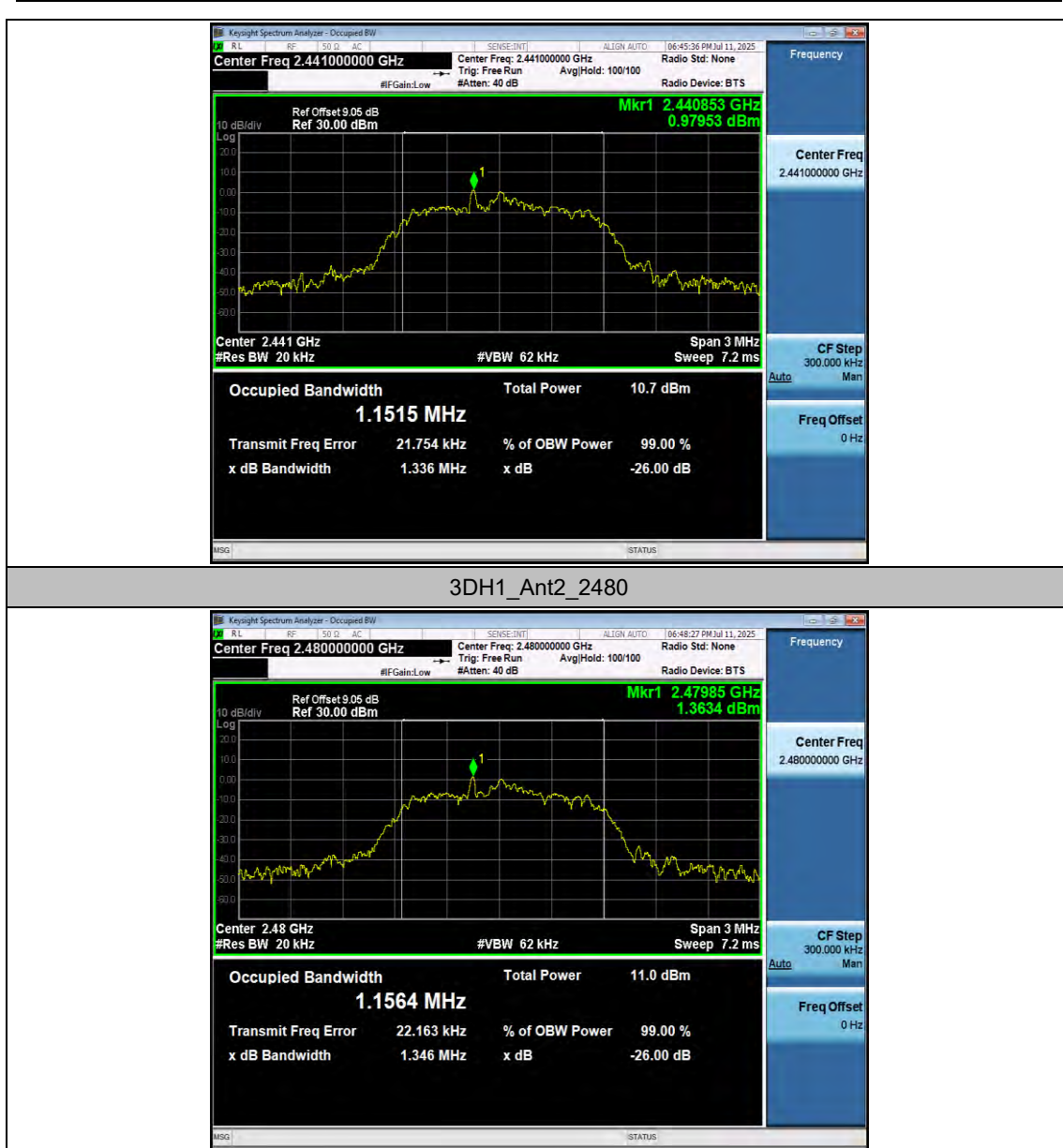
2DH1_Ant2_2480



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	2.97	≤20.97	PASS
		2441	5.09	≤20.97	PASS
		2480	5.44	≤20.97	PASS
2DH1	Ant2	2402	5.14	≤20.97	PASS
		2441	7.20	≤20.97	PASS
		2480	7.57	≤20.97	PASS
3DH1	Ant2	2402	5.84	≤20.97	PASS
		2441	7.97	≤20.97	PASS
		2480	8.31	≤20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant2	Hop_2402	0.836	≥ 0.608	PASS
		Hop_2441	0.842	≥ 0.608	PASS
		Hop_2480	0.828	≥ 0.608	PASS
2DH1	Ant2	Hop_2402	1	≥ 0.856	PASS
		Hop_2441	1.006	≥ 0.856	PASS
		Hop_2480	1.16	≥ 0.856	PASS
3DH1	Ant2	Hop_2402	1.164	≥ 0.842	PASS
		Hop_2441	1.002	≥ 0.842	PASS
		Hop_2480	0.97	≥ 0.842	PASS

Test Graphs

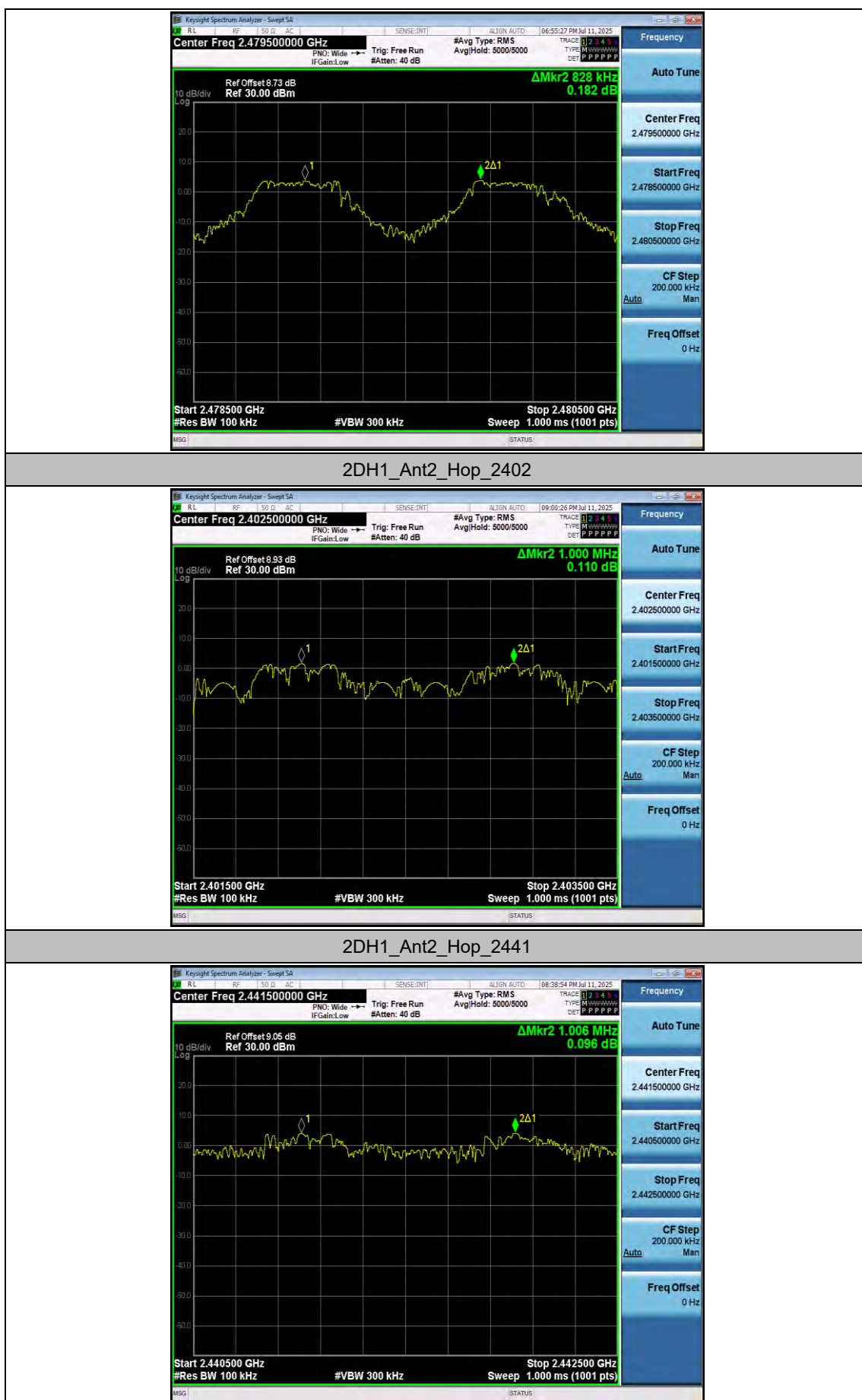
DH1_Ant2_Hop_2402



DH1_Ant2_Hop_2441



DH1_Ant2_Hop_2480



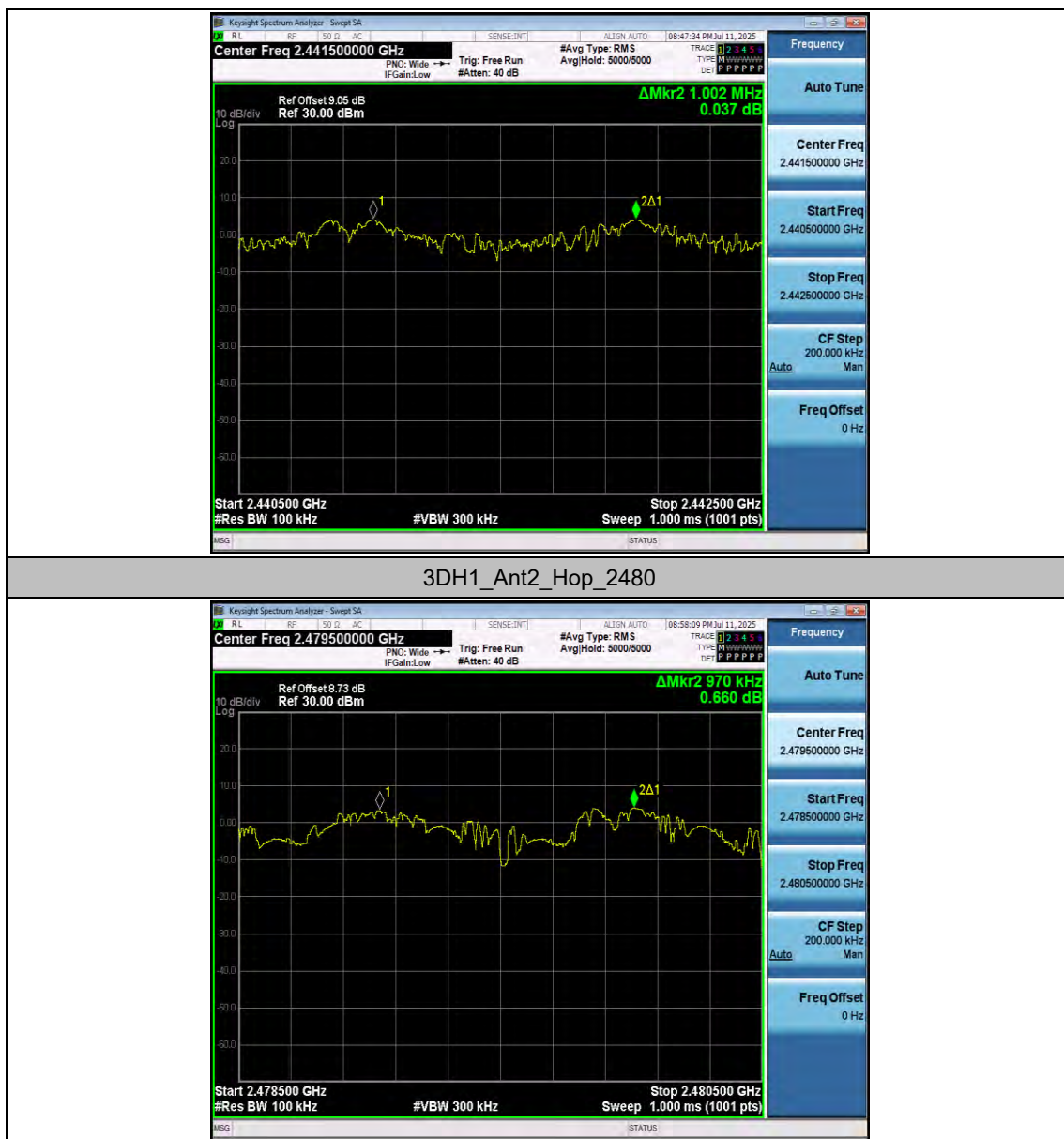
2DH1_Ant2_Hop_2480



3DH1_Ant2_Hop_2402



3DH1_Ant2_Hop_2441

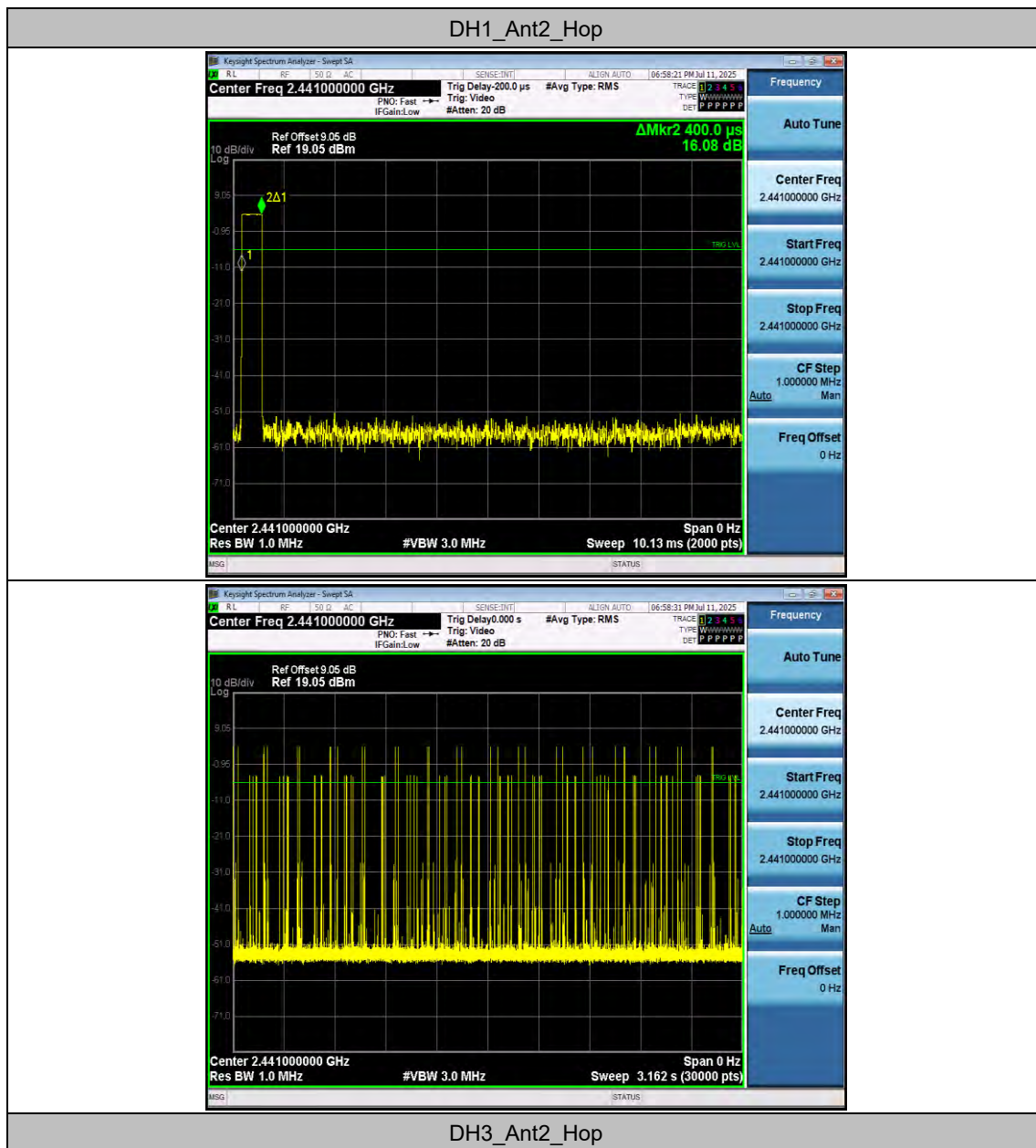


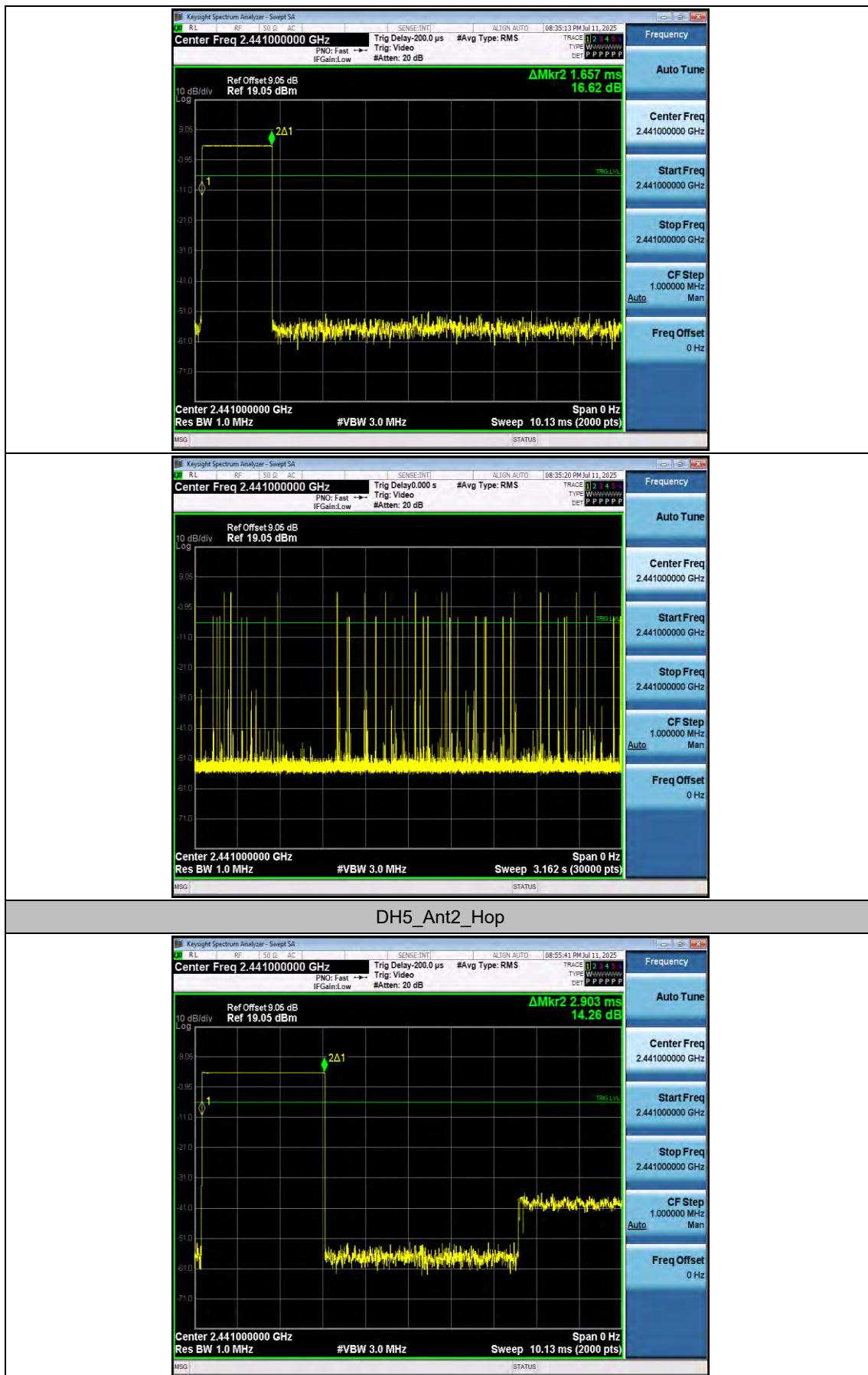
Appendix A.5: Time of occupancy

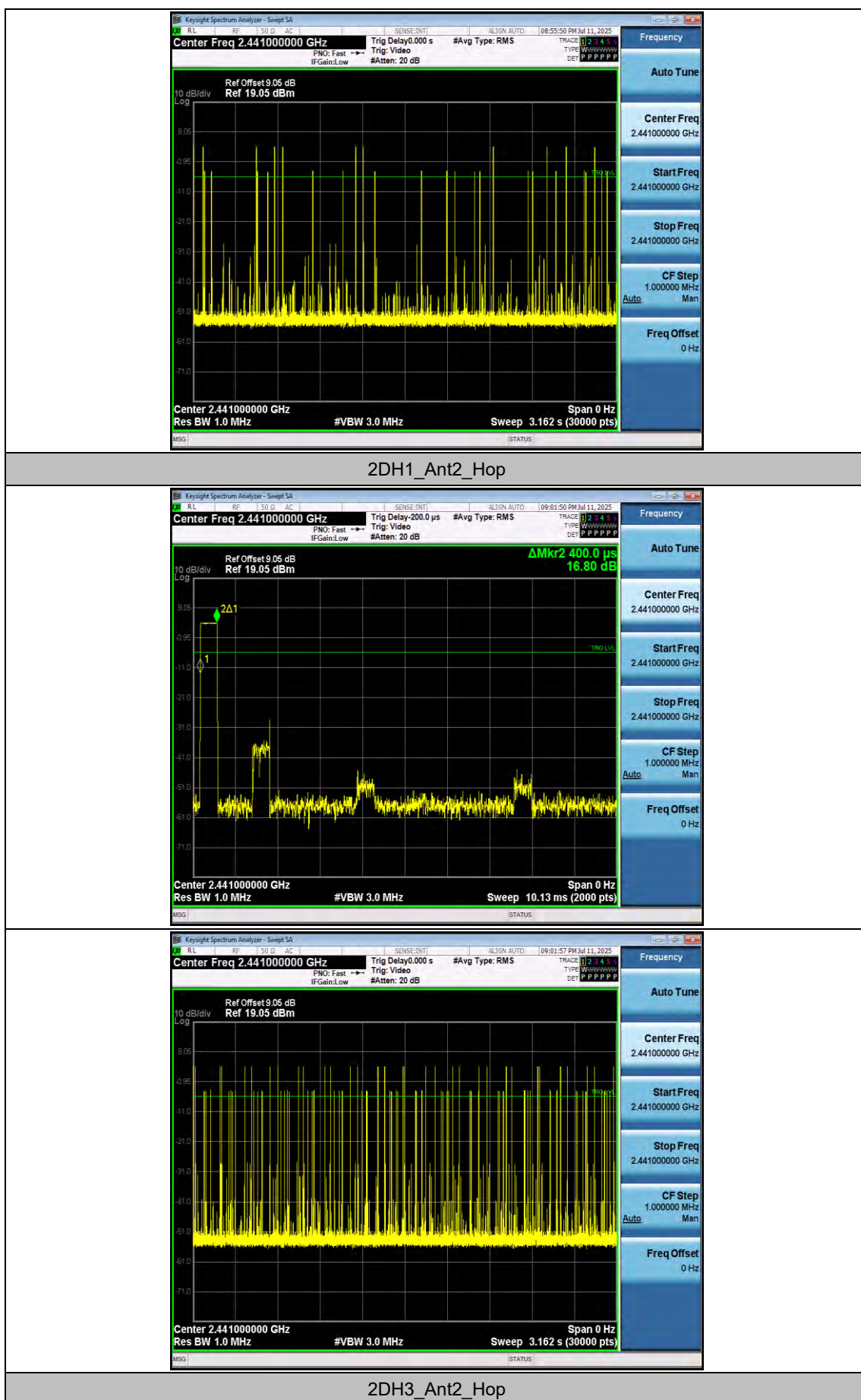
Test Result

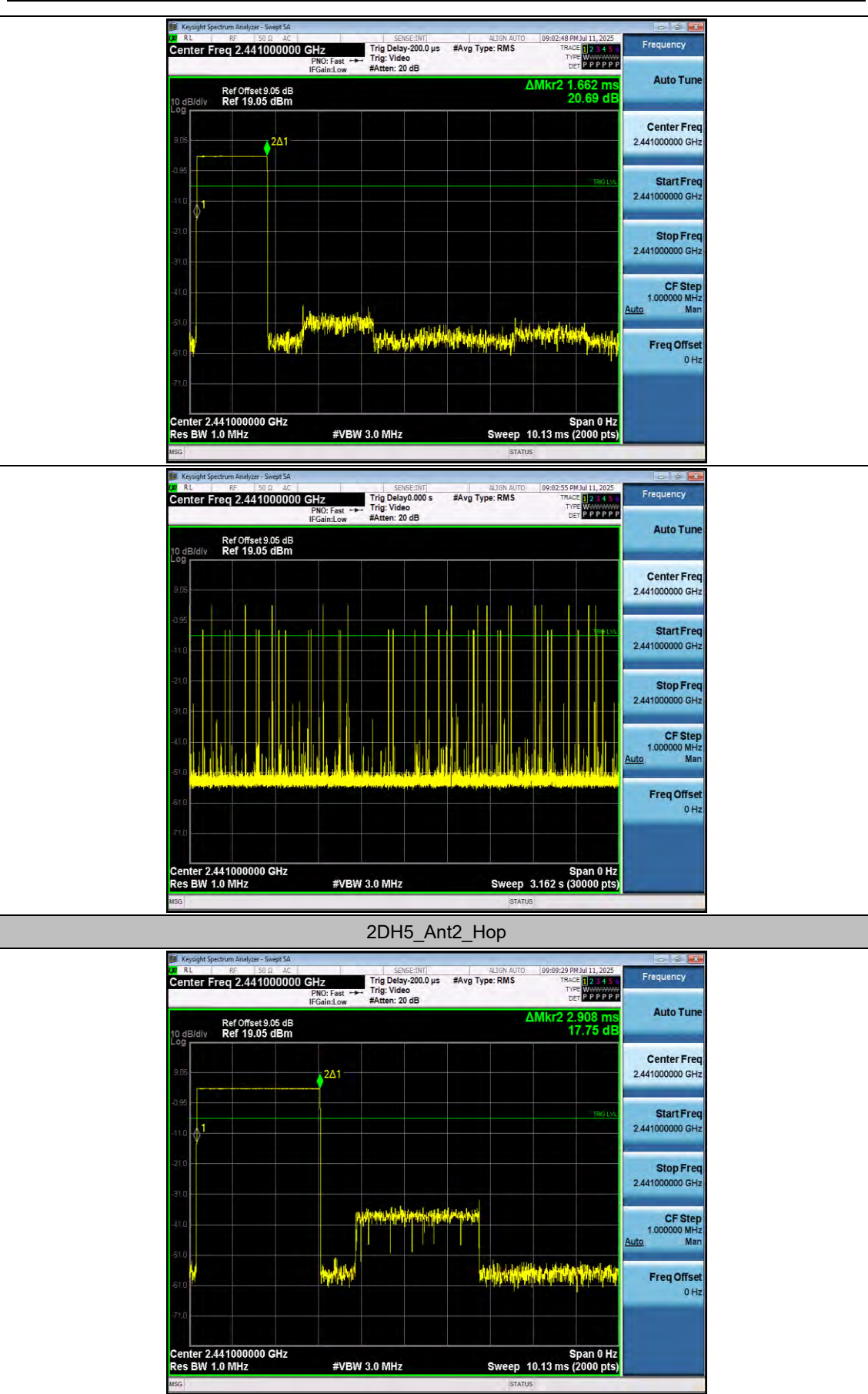
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant2	Hop	0.400	320	0.128	≤0.4	PASS
DH3	Ant2	Hop	1.657	160	0.265	≤0.4	PASS
DH5	Ant2	Hop	2.903	110	0.319	≤0.4	PASS
2DH1	Ant2	Hop	0.400	330	0.132	≤0.4	PASS
2DH3	Ant2	Hop	1.662	170	0.283	≤0.4	PASS
2DH5	Ant2	Hop	2.908	70	0.204	≤0.4	PASS
3DH1	Ant2	Hop	0.405	330	0.134	≤0.4	PASS
3DH3	Ant2	Hop	1.657	190	0.315	≤0.4	PASS
3DH5	Ant2	Hop	2.903	130	0.377	≤0.4	PASS

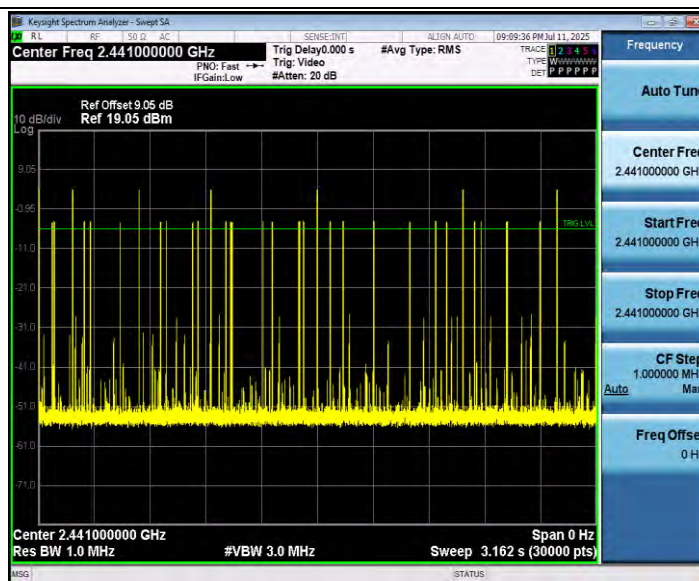
Test Graphs



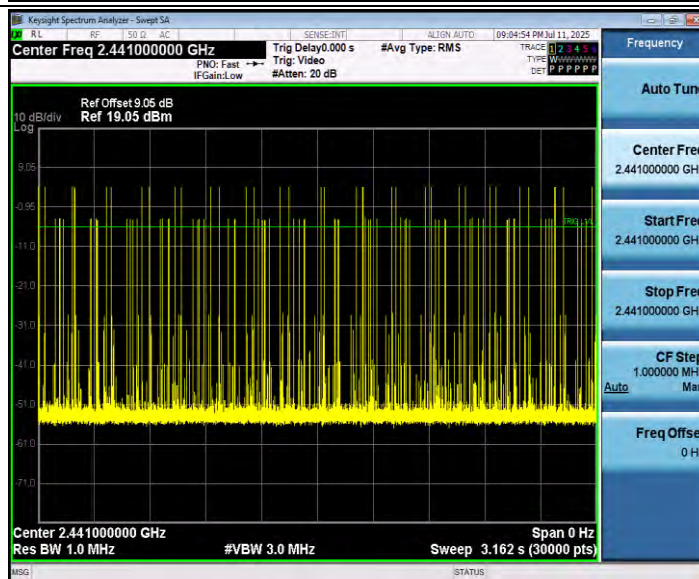
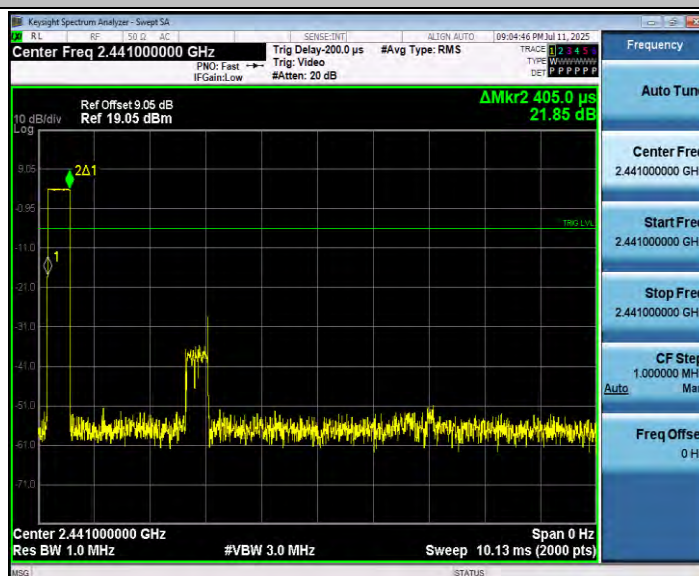




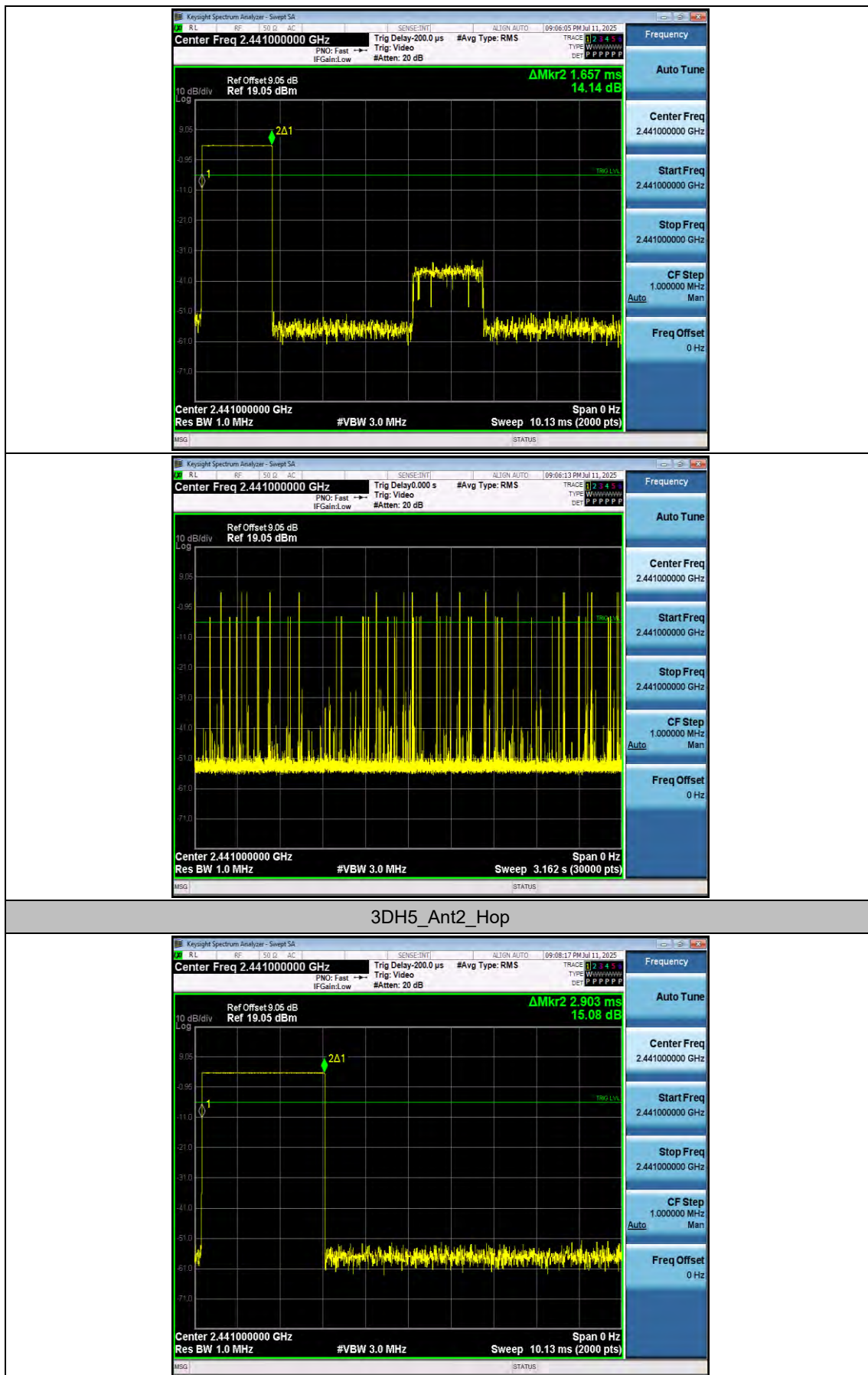




3DH1_Ant2_Hop



3DH3_Ant2_Hop



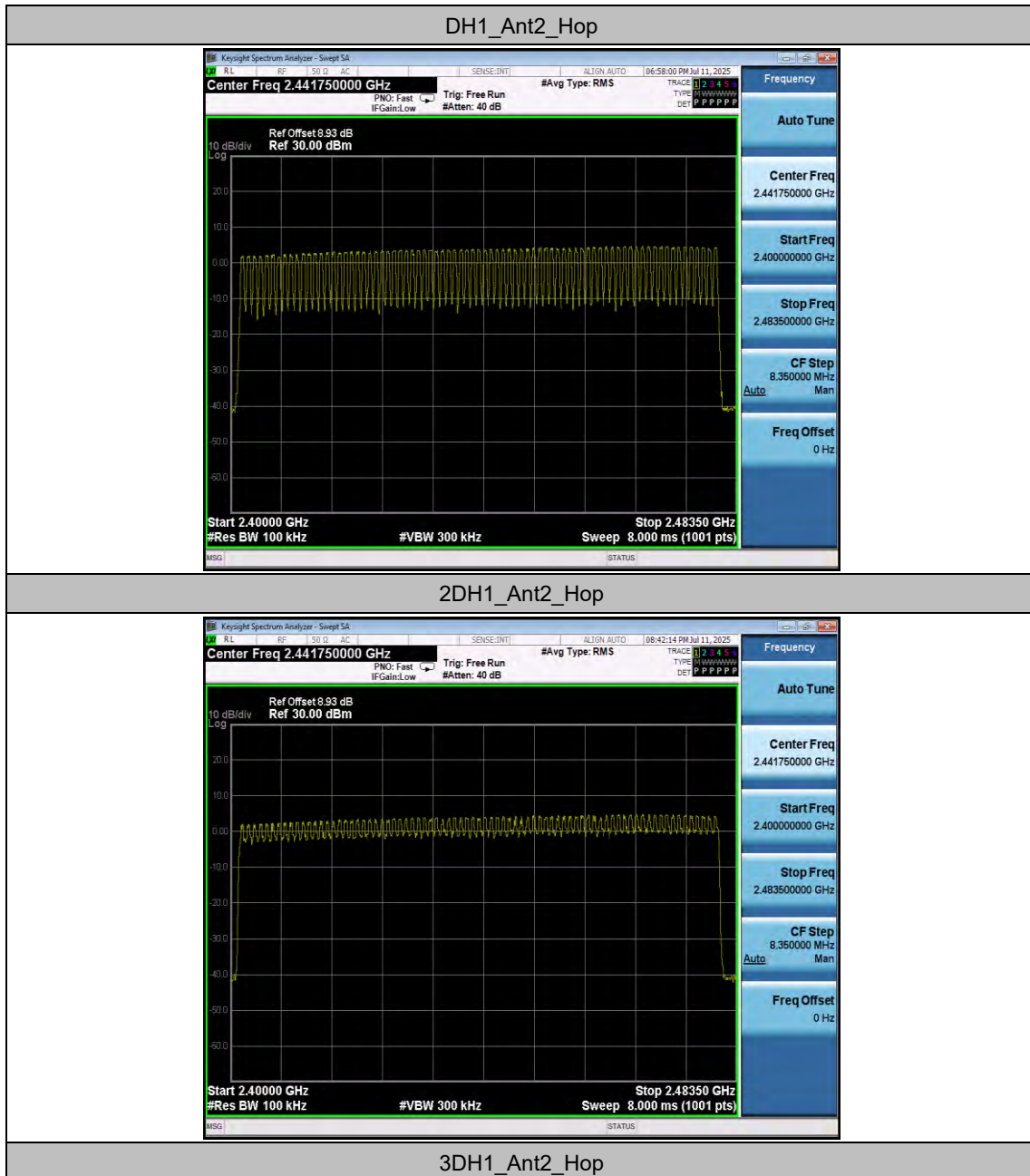


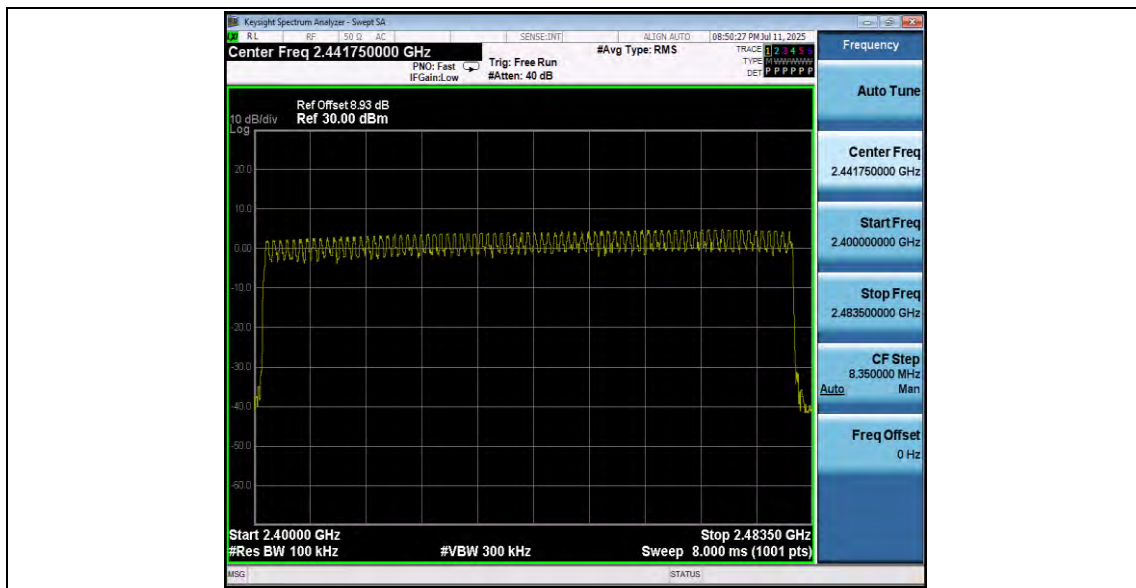
Appendix A.6: Number of hopping channels

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



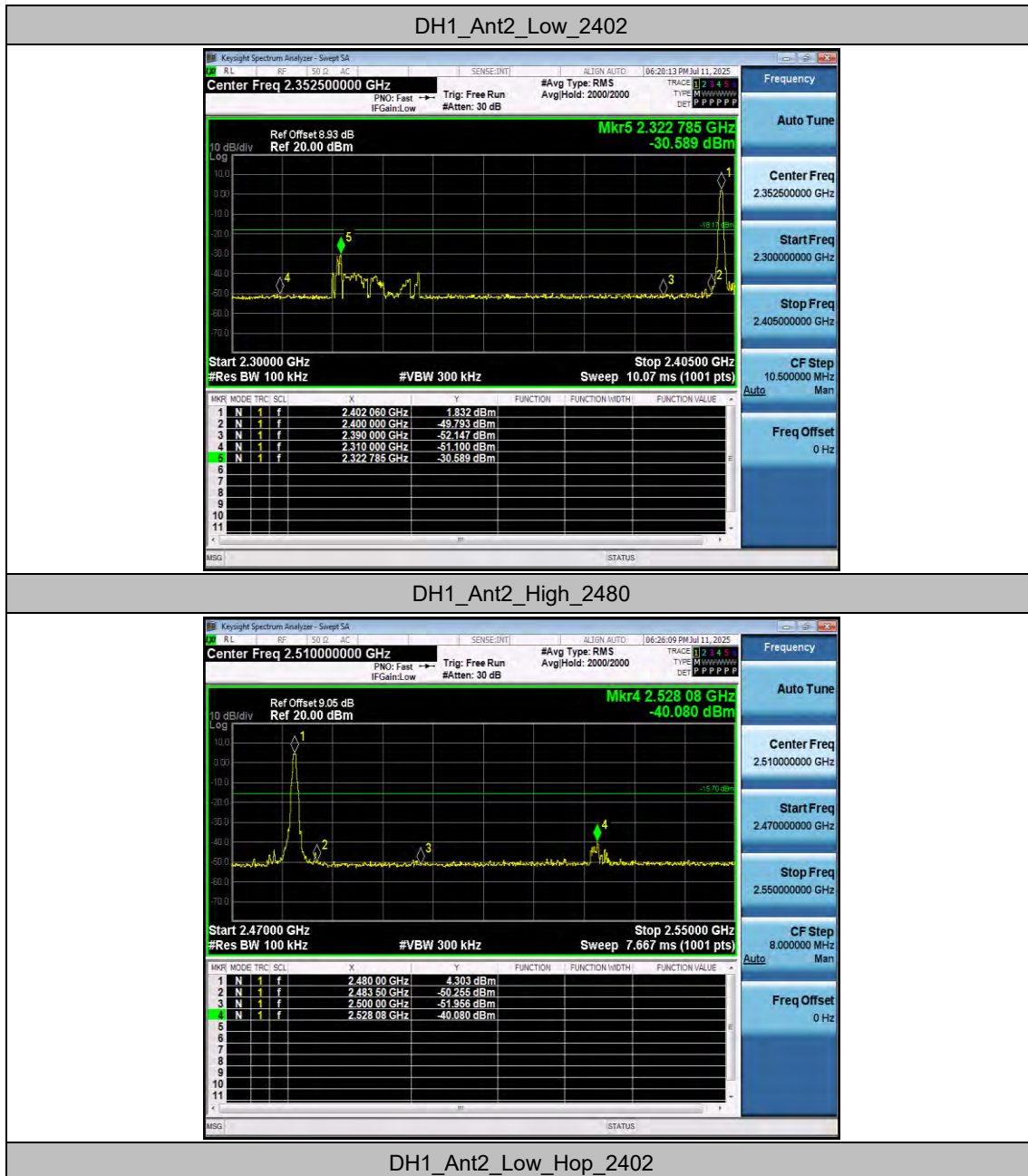


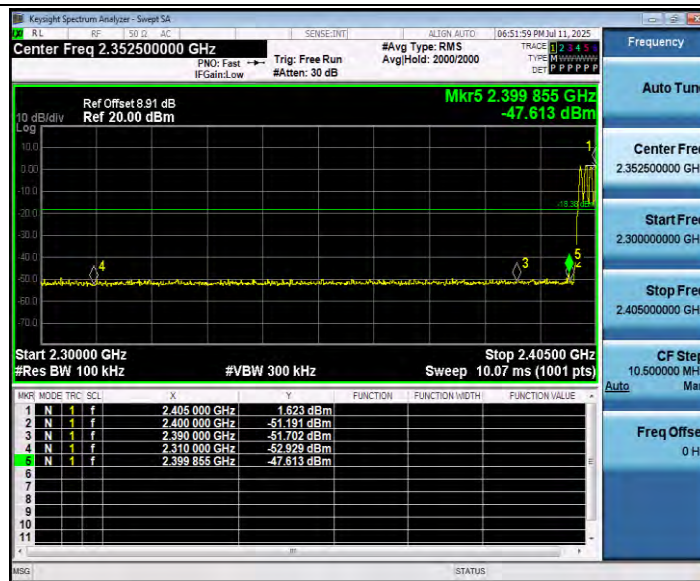
Appendix A.7: Band edge measurements

Test Result

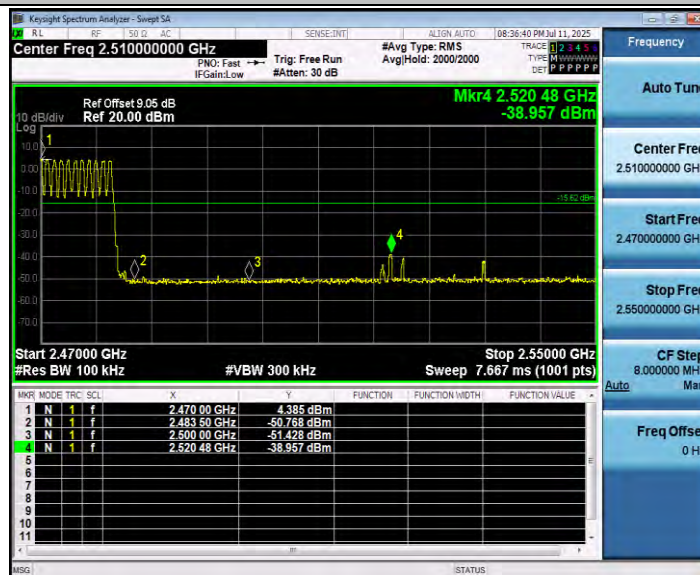
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant2	Low	2402	1.83	-30.59	≤ -18.17	PASS
		High	2480	4.30	-40.08	≤ -15.7	PASS
		Low	Hop_2402	1.62	-47.61	≤ -18.38	PASS
		High	Hop_2480	4.39	-38.96	≤ -15.62	PASS
2DH1	Ant2	Low	2402	1.86	-46.41	≤ -18.14	PASS
		High	2480	4.42	-49.17	≤ -15.58	PASS
		Low	Hop_2402	1.46	-34.57	≤ -18.54	PASS
		High	Hop_2480	4.23	-39.48	≤ -15.77	PASS
3DH1	Ant2	Low	2402	1.87	-33.24	≤ -18.14	PASS
		High	2480	4.38	-42.19	≤ -15.62	PASS
		Low	Hop_2402	1.79	-31.6	≤ -18.21	PASS
		High	Hop_2480	4.54	-47.81	≤ -15.47	PASS

Test Graphs

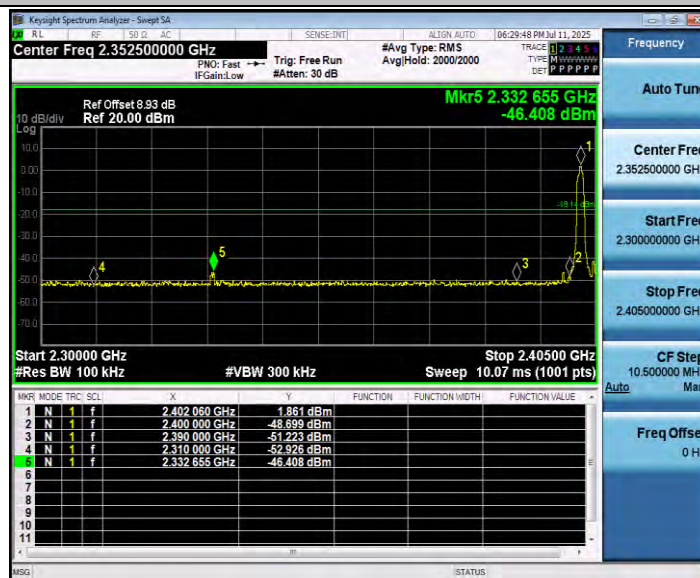




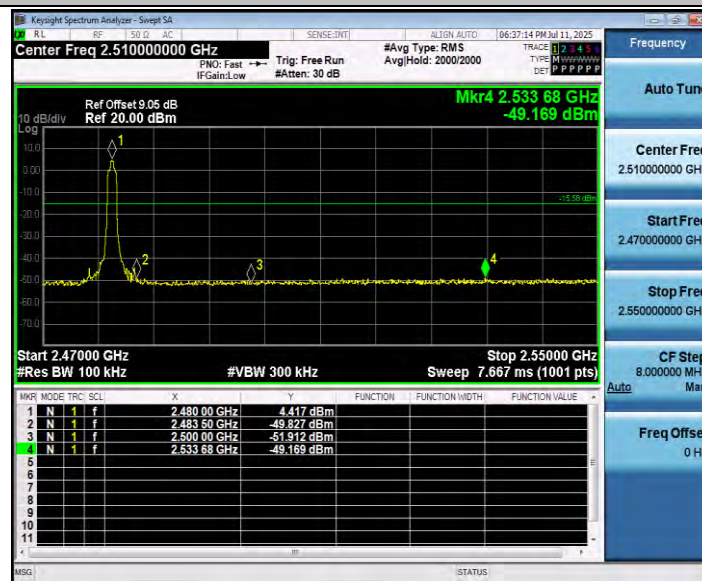
DH1_Ant2_High_Hop_2480



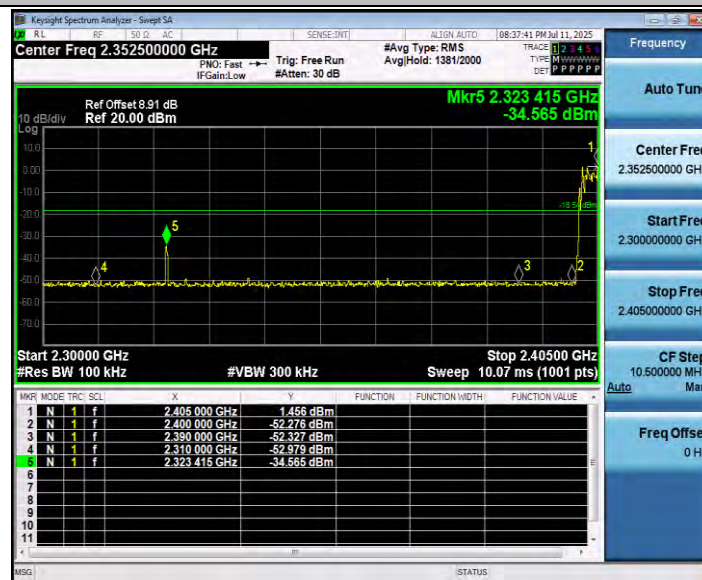
2DH1_Ant2_Low_2402



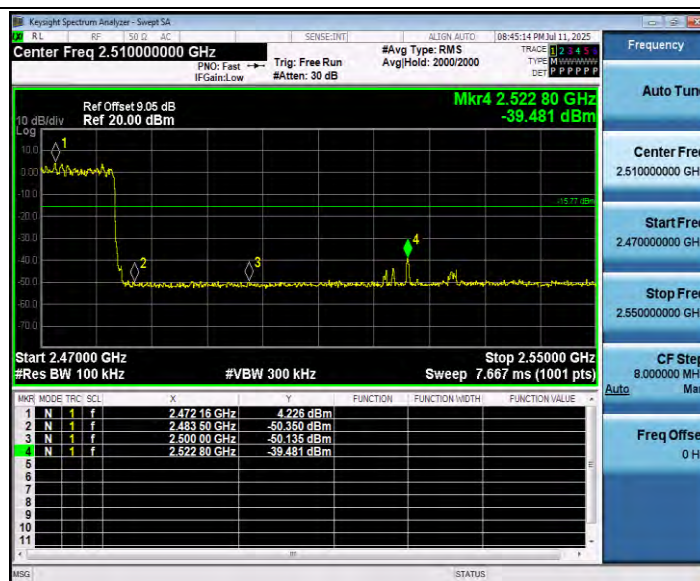
2DH1_Ant2_High_2480



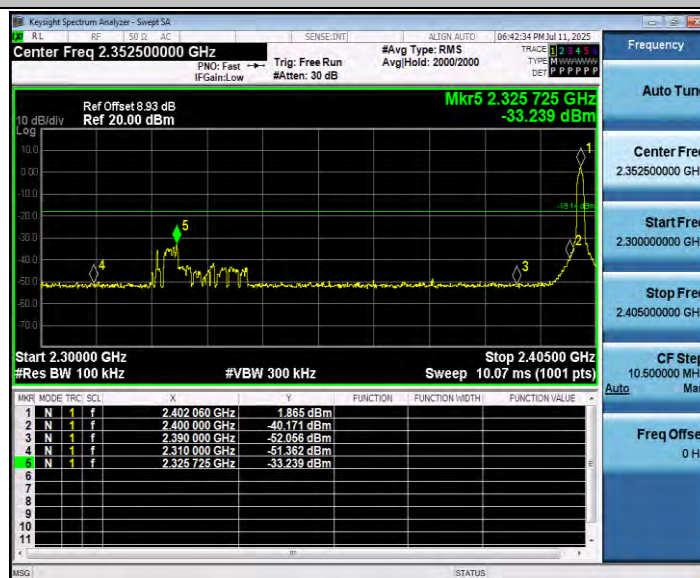
2DH1_Ant2_Low_Hop_2402



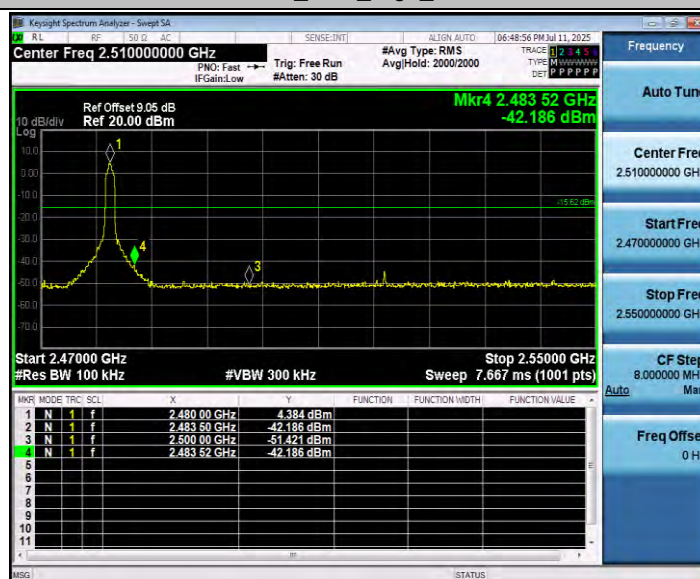
2DH1_Ant2_High_Hop_2480



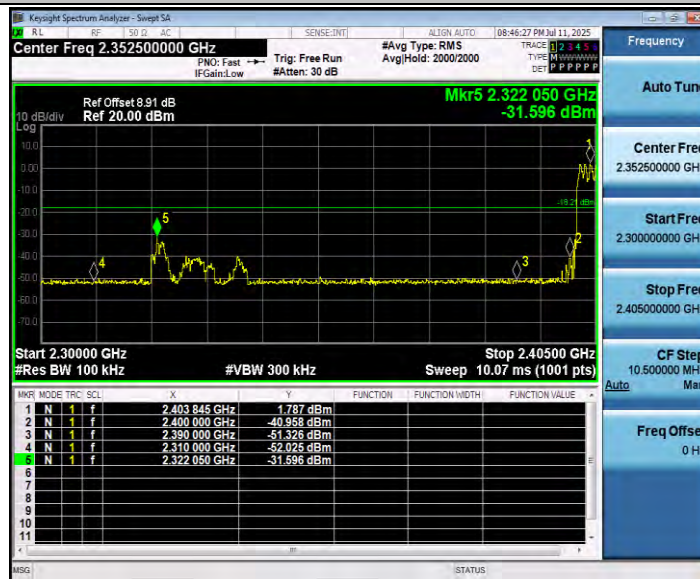
3D11_Ant2_Low_2402



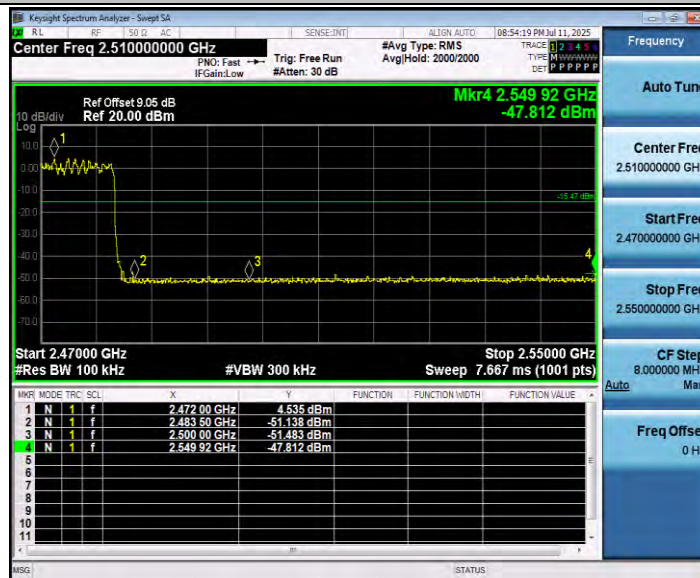
3D11_Ant2_High_2480



3DH1_Ant2_Low_Hop_2402



3DH1_Ant2_High_Hop_2480

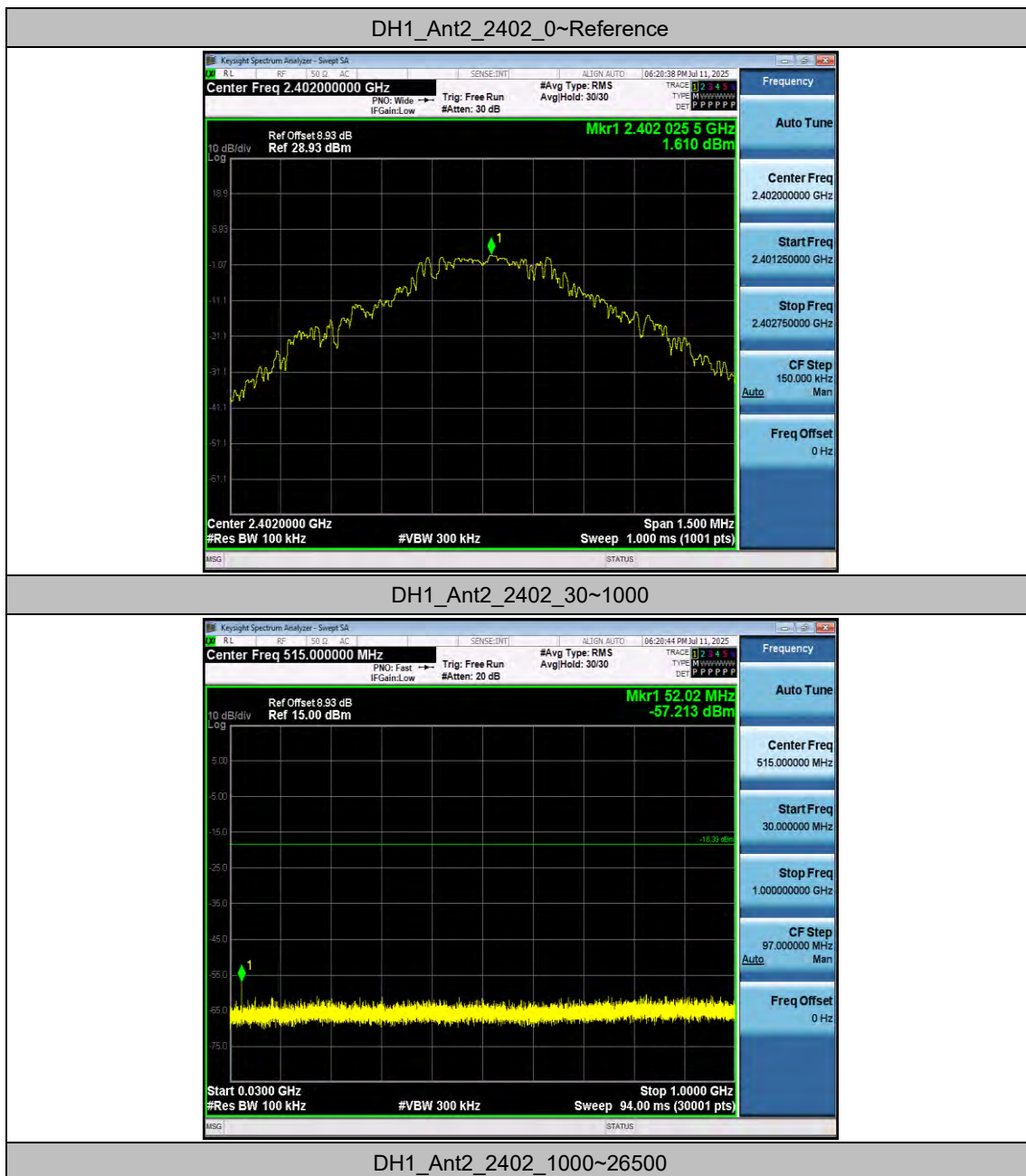


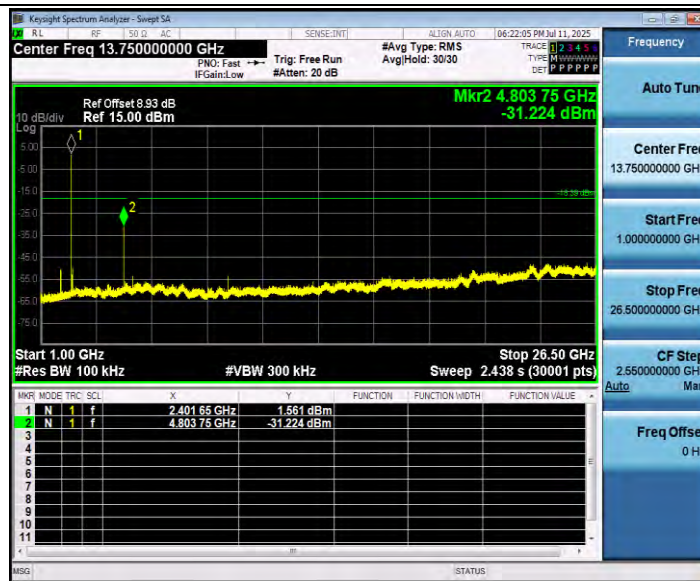
Appendix A.8: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant2	2402	Reference	1.61	1.61	---	PASS
			30~1000	1.61	-57.21	≤ -18.39	PASS
			1000~26500	1.61	-31.22	≤ -18.39	PASS
		2441	Reference	3.58	3.58	---	PASS
			30~1000	3.58	-54.62	≤ -16.42	PASS
			1000~26500	3.58	-33	≤ -16.42	PASS
		2480	Reference	4.17	4.17	---	PASS
			30~1000	4.17	-56.76	≤ -15.83	PASS
			1000~26500	4.17	-34.41	≤ -15.83	PASS
2DH1	Ant2	2402	Reference	1.48	1.48	---	PASS
			30~1000	1.48	-49.08	≤ -18.52	PASS
			1000~26500	1.48	-30.28	≤ -18.52	PASS
		2441	Reference	3.58	3.58	---	PASS
			30~1000	3.58	-51.94	≤ -16.42	PASS
			1000~26500	3.58	-31.59	≤ -16.42	PASS
		2480	Reference	4.02	4.02	---	PASS
			30~1000	4.02	-50.59	≤ -15.98	PASS
			1000~26500	4.02	-31.46	≤ -15.98	PASS
3DH1	Ant2	2402	Reference	1.52	1.52	---	PASS
			30~1000	1.52	-57.56	≤ -18.48	PASS
			1000~26500	1.52	-32.68	≤ -18.48	PASS
		2441	Reference	3.75	3.75	---	PASS
			30~1000	3.75	-56.32	≤ -16.25	PASS
			1000~26500	3.75	-30.3	≤ -16.25	PASS
		2480	Reference	4.25	4.25	---	PASS
			30~1000	4.25	-56.22	≤ -15.75	PASS
			1000~26500	4.25	-31.79	≤ -15.75	PASS

Test Graphs

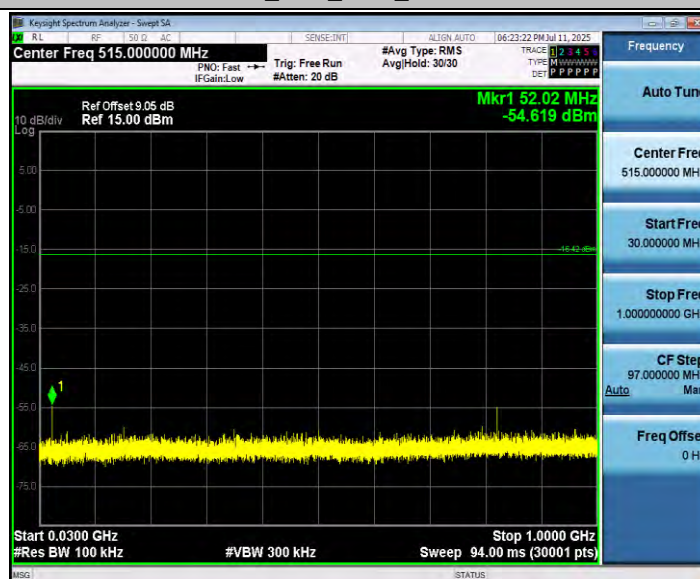




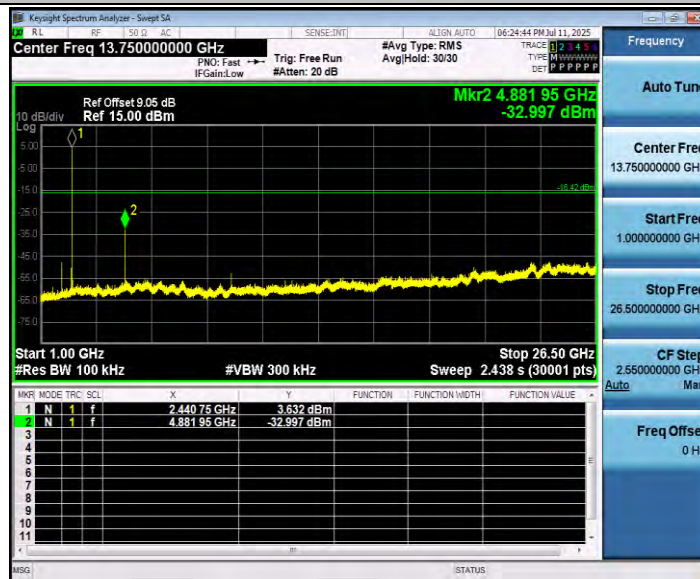
DH1_Ant2_2441_0~Reference



DH1_Ant2_2441_30~1000



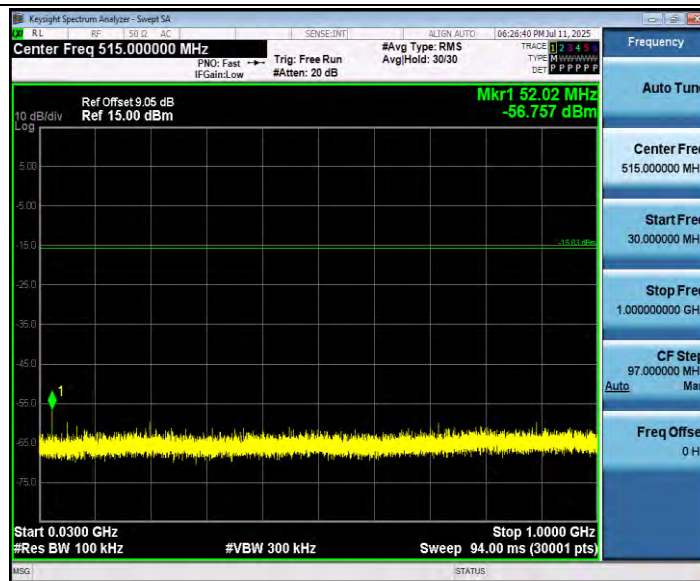
DH1_Ant2_2441_1000~26500



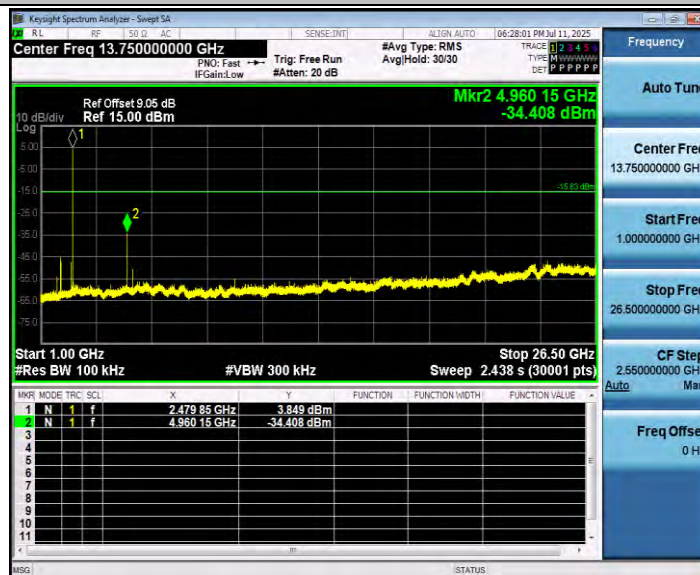
DH1_Ant2_2480_0~Reference



DH1_Ant2_2480_30~1000

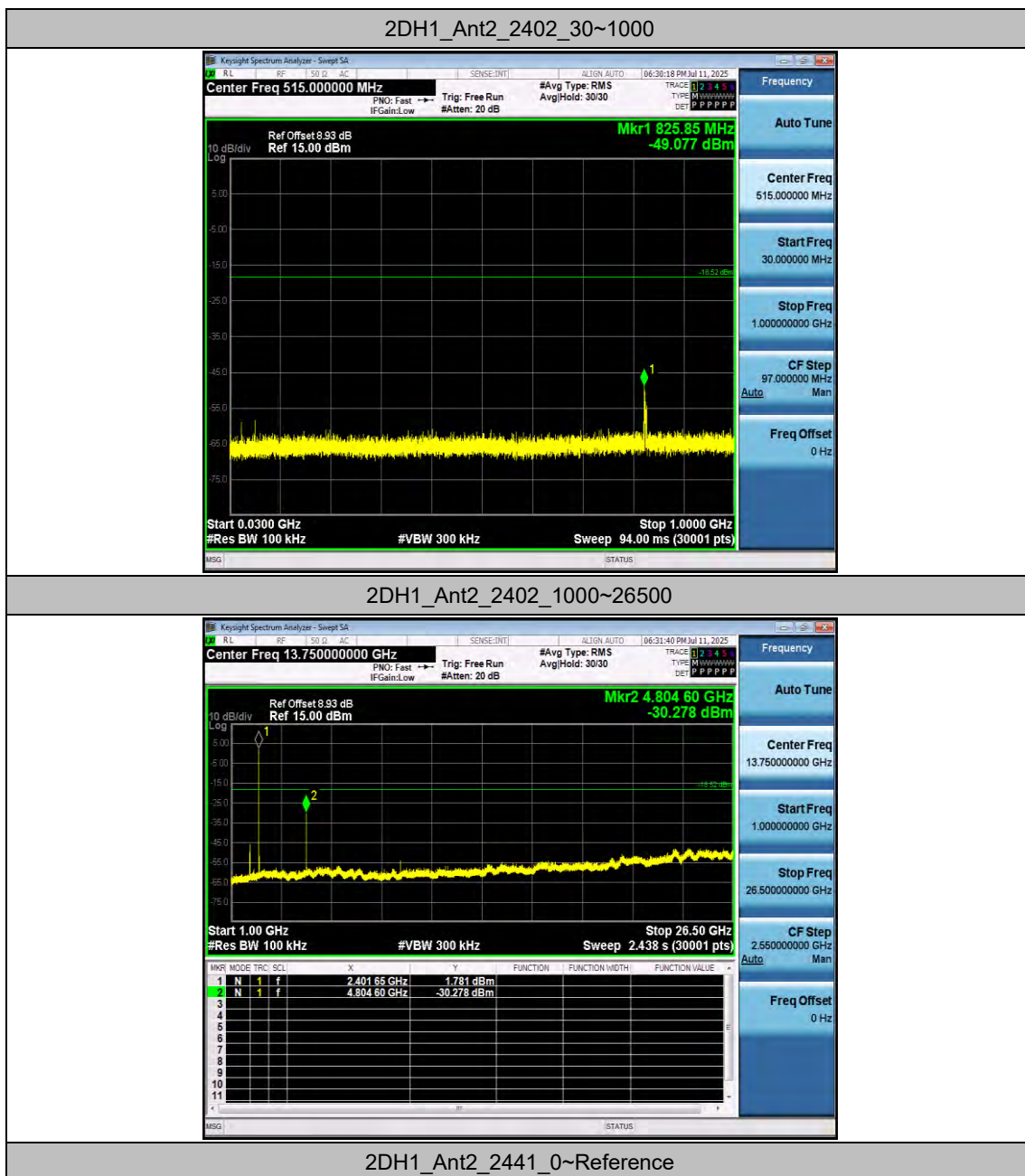


DH1_Ant2_2480_1000~26500



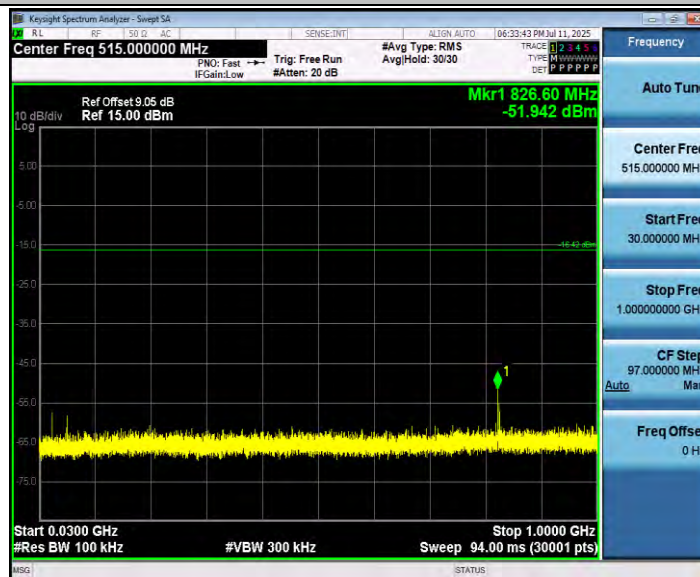
2DH1_Ant2_2402_0~Reference







2DH1_Ant2_2441_30~1000



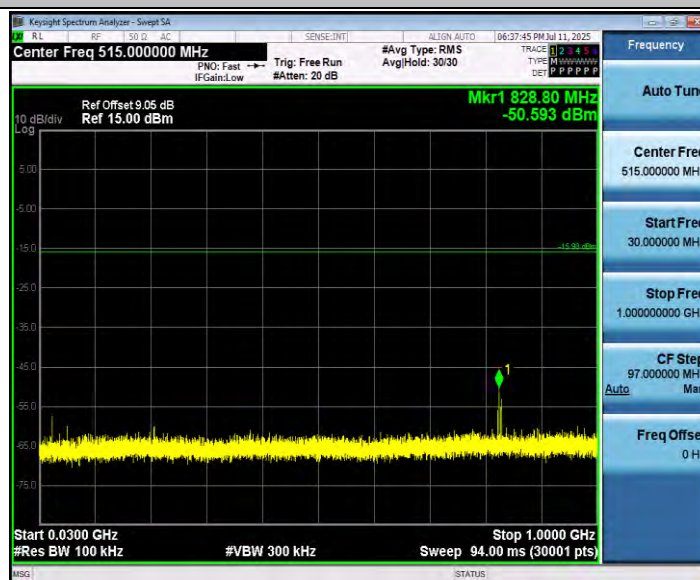
2DH1_Ant2_2441_1000~26500



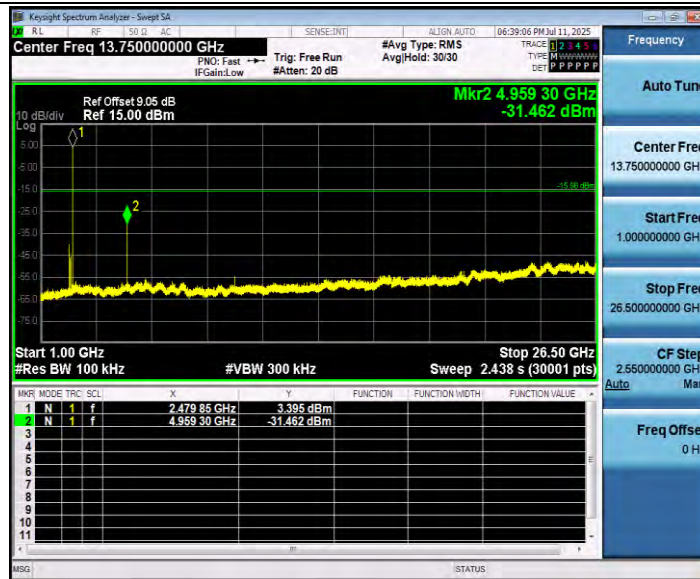
2DH1_Ant2_2480_0~Reference



2DH1_Ant2_2480_30~1000



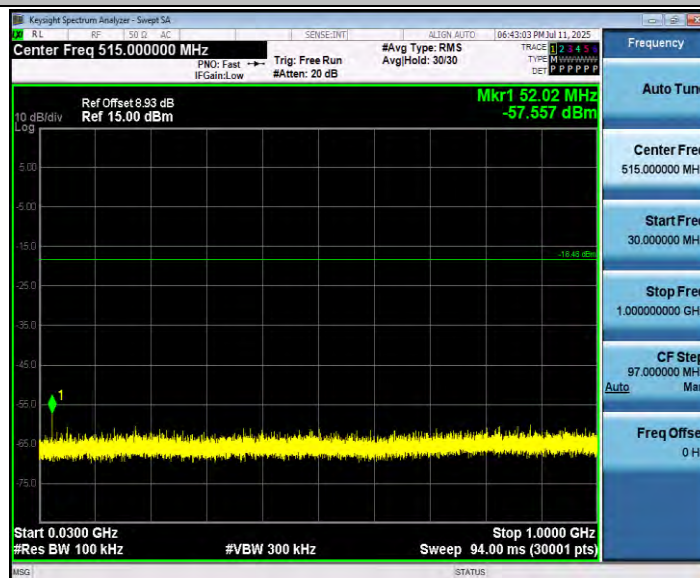
2DH1_Ant2_2480_1000~26500



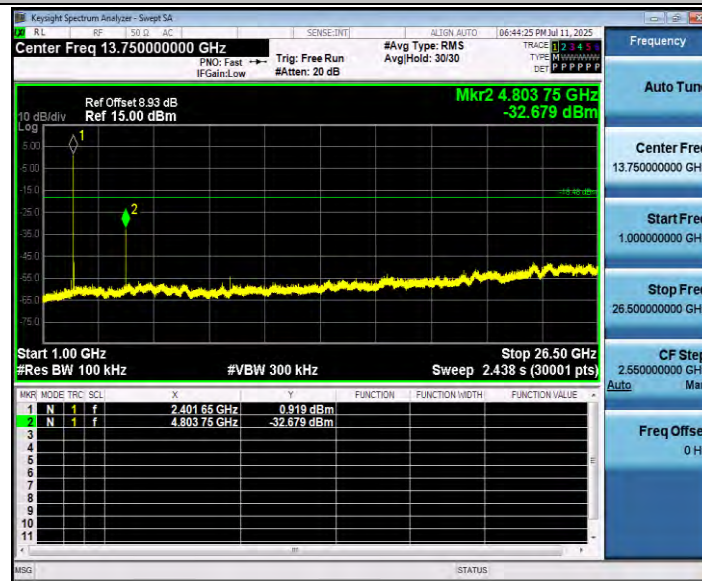
3DH1_Ant2_2402_0~Reference



3DH1_Ant2_2402_30~1000



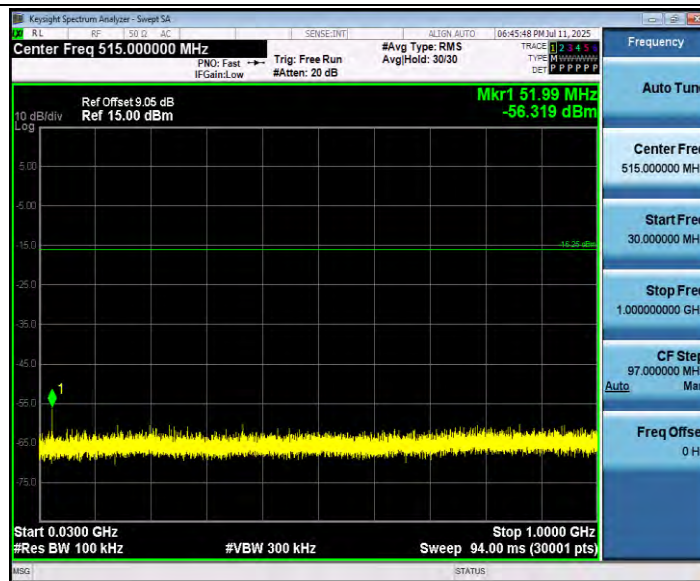
3DH1_Ant2_2402_1000~26500



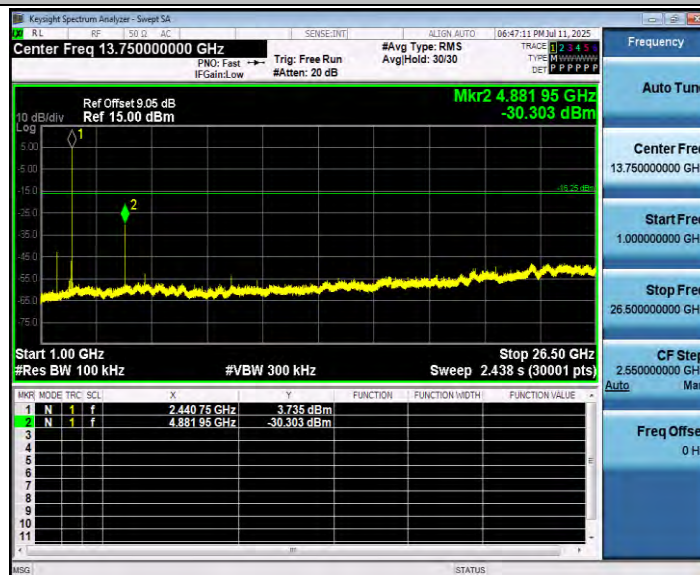
3DH1_Ant2_2441_0~Reference



3DH1_Ant2_2441_30~1000



3DH1_Ant2_2441_1000~26500



3DH1_Ant2_2480_0~Reference



