

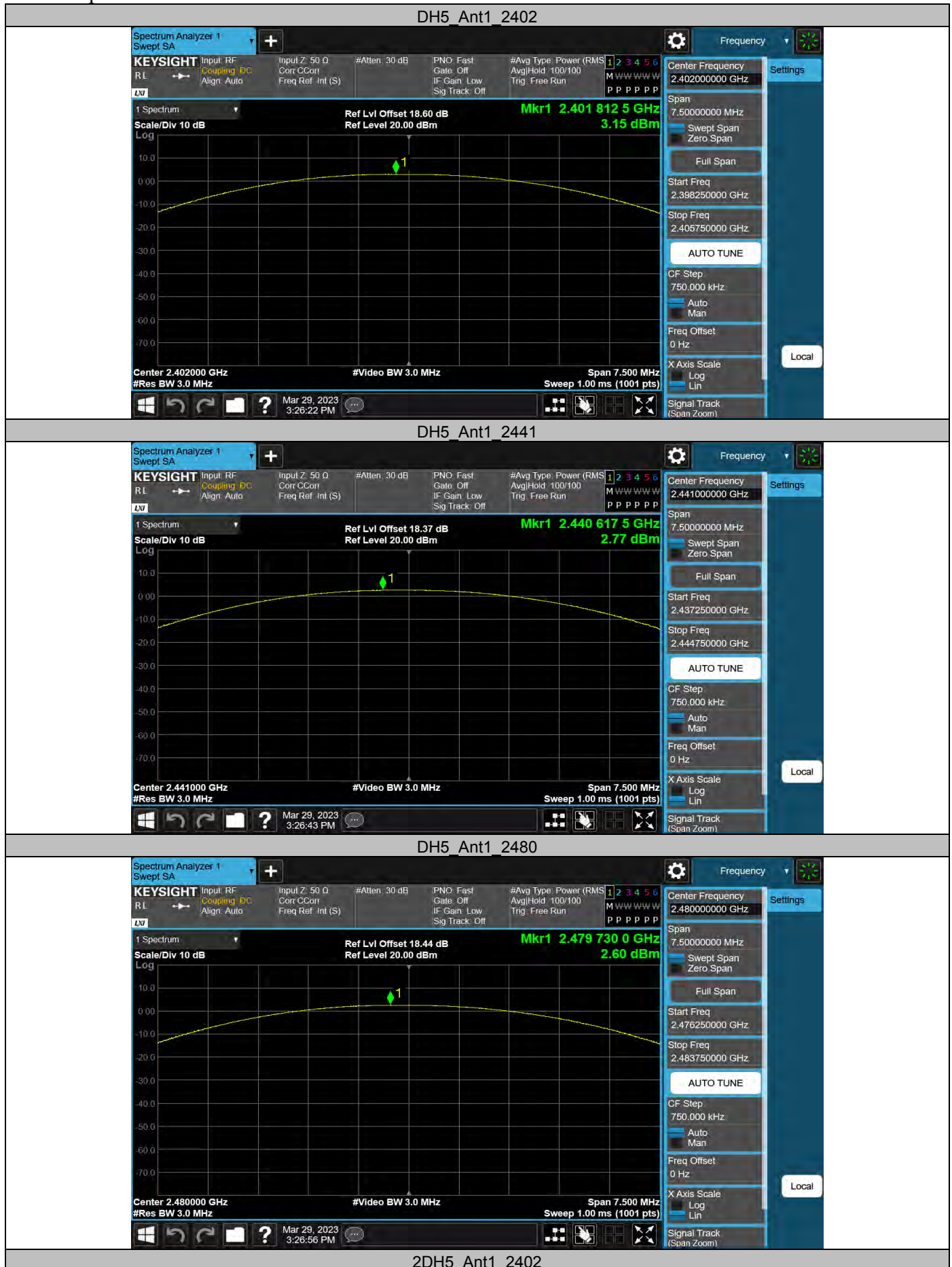
13.APPENDIX

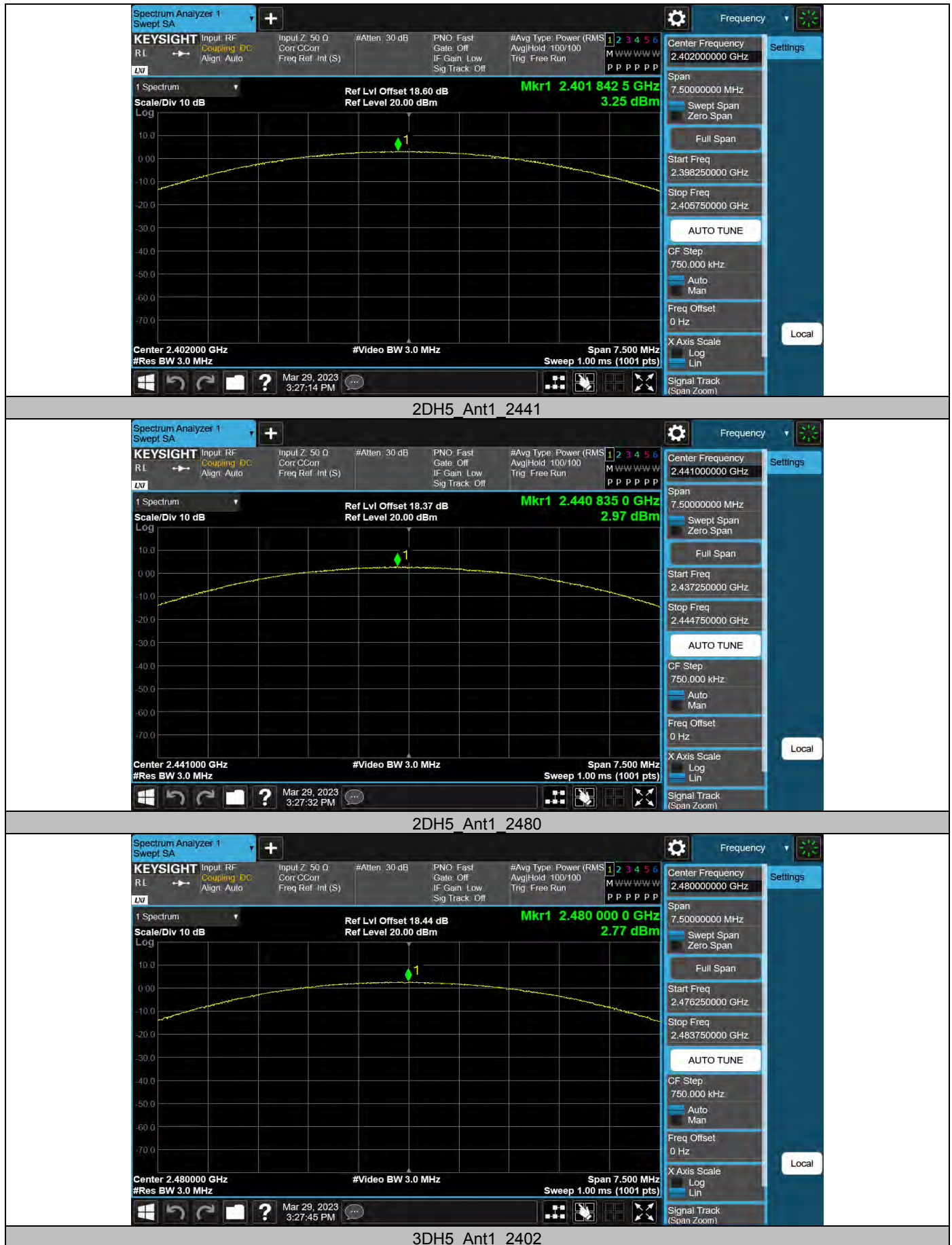
Appendix A: Maximum conducted output power
Test Result Peak

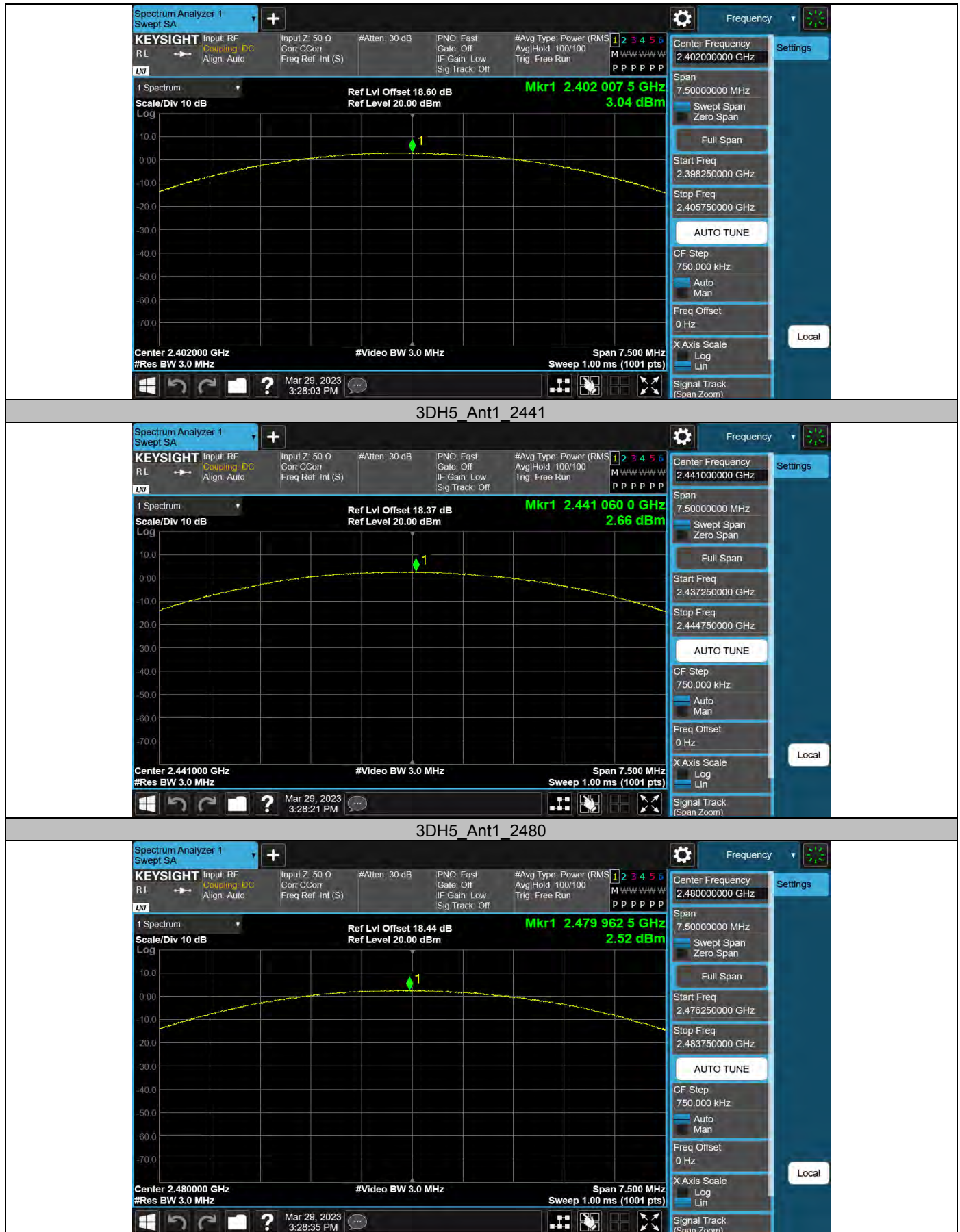
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.15	≤20.97	PASS
		2441	2.77	≤20.97	PASS
		2480	2.61	≤20.97	PASS
2DH5	Ant1	2402	3.25	≤20.97	PASS
		2441	2.97	≤20.97	PASS
		2480	2.77	≤20.97	PASS
3DH5	Ant1	2402	3.04	≤20.97	PASS
		2441	2.66	≤20.97	PASS
		2480	2.52	≤20.97	PASS



Test Graphs





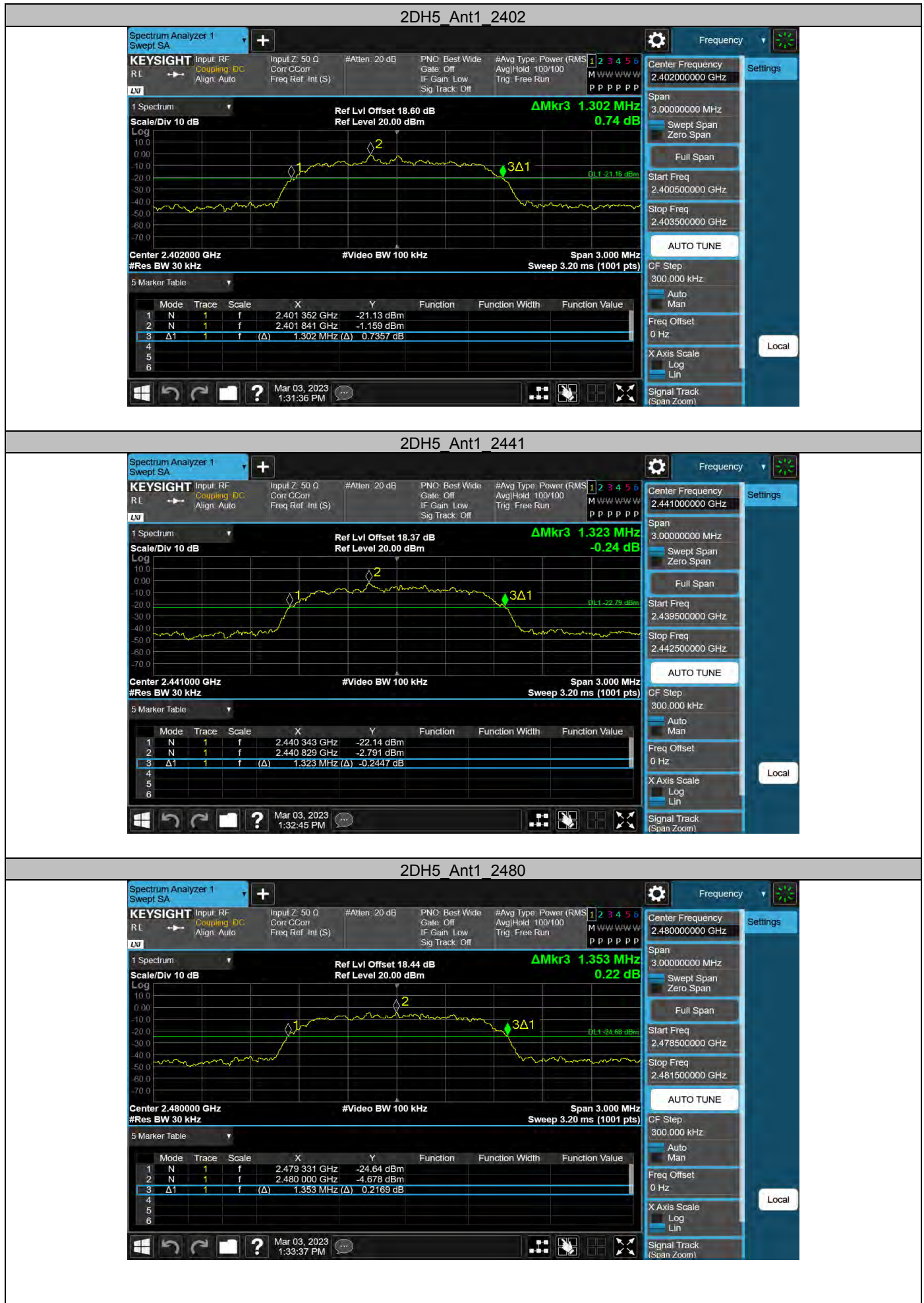


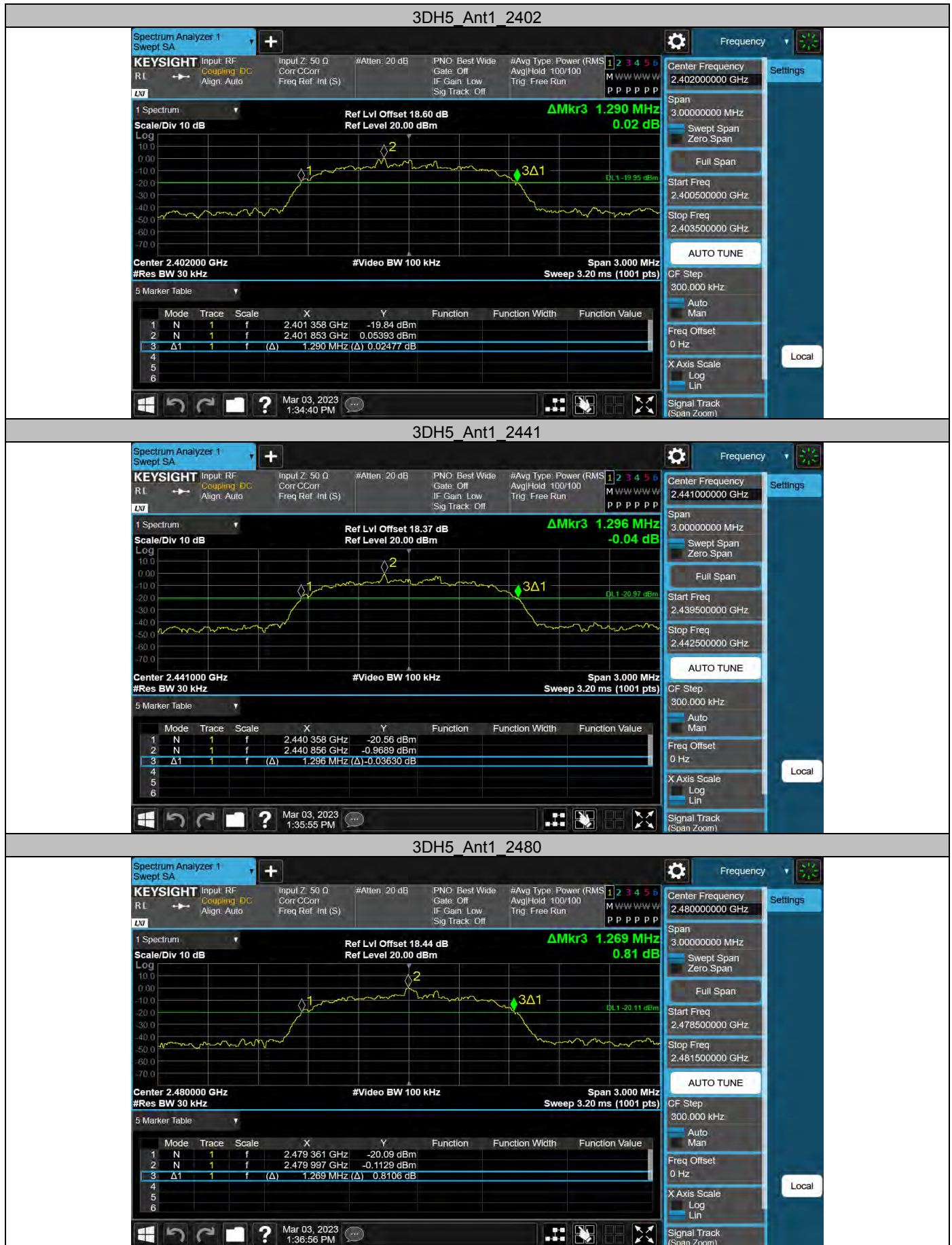
Appendix B: 20dB Emission Bandwidth Test Result

Test Mode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.927	2401.550	2402.477	---	---
		2441	0.933	2440.550	2441.483	---	---
		2480	0.957	2479.538	2480.495	---	---
2DH5	Ant1	2402	1.302	2401.352	2402.654	---	---
		2441	1.323	2440.343	2441.666	---	---
		2480	1.353	2479.331	2480.684	---	---
3DH5	Ant1	2402	1.290	2401.358	2402.648	---	---
		2441	1.296	2440.358	2441.654	---	---
		2480	1.269	2479.361	2480.630	---	---

Test Graphs







Appendix C: Carrier frequency separation
Test Result

Test Mode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.996	≥0.957	PASS
		2441	1.182	≥0.957	PASS
		2480	1.212	≥0.957	PASS
2DH5	Ant1	2402	1.185	≥0.902	PASS
		2441	0.996	≥0.902	PASS
		2480	0.996	≥0.902	PASS
3DH5	Ant1	2402	1.14	≥0.864	PASS
		2441	1.188	≥0.864	PASS
		2480	1.014	≥0.864	PASS

Test Graphs







Appendix D: Number of hopping channels
Test Result

Test Mode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

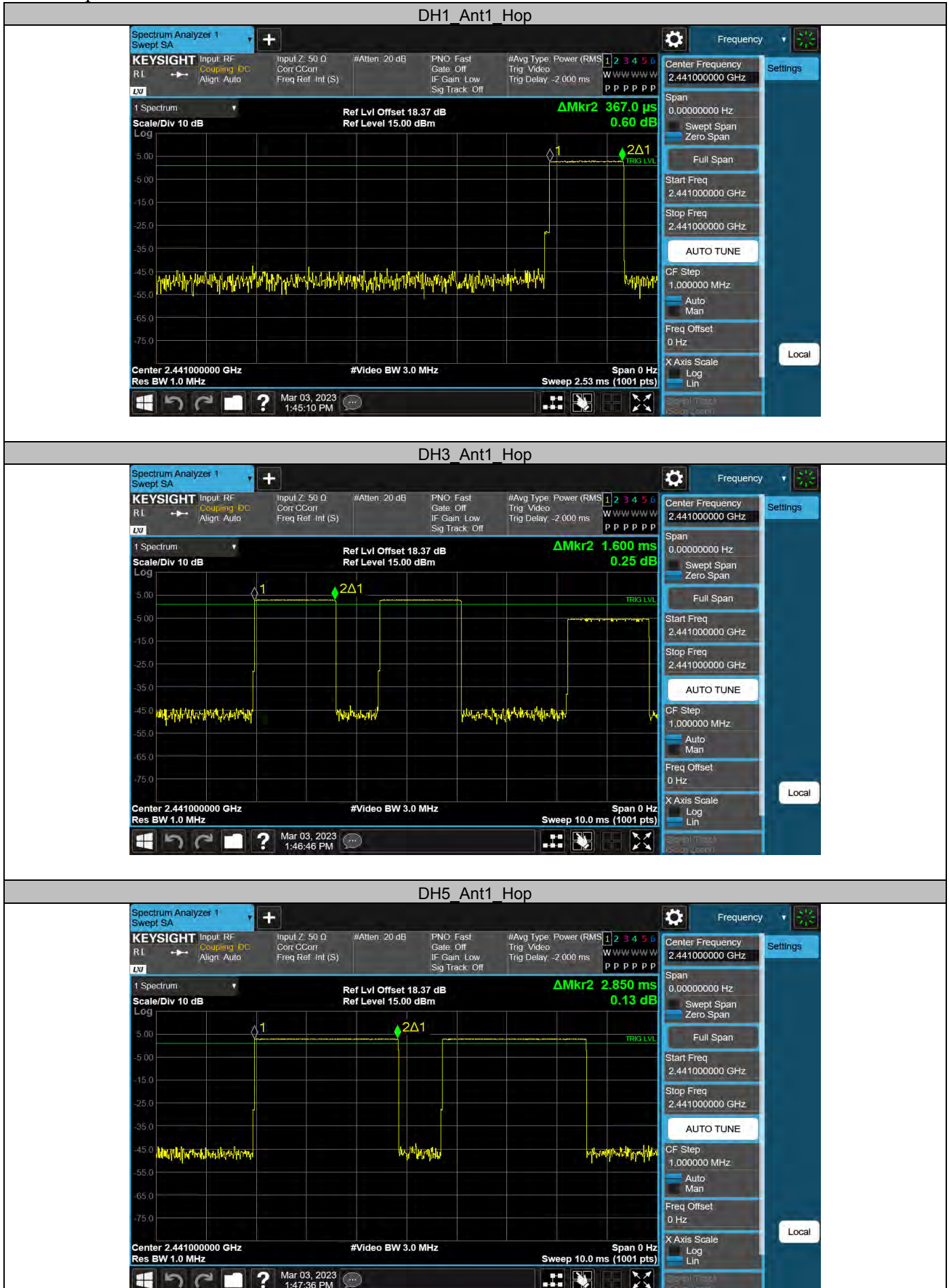
Test Graphs

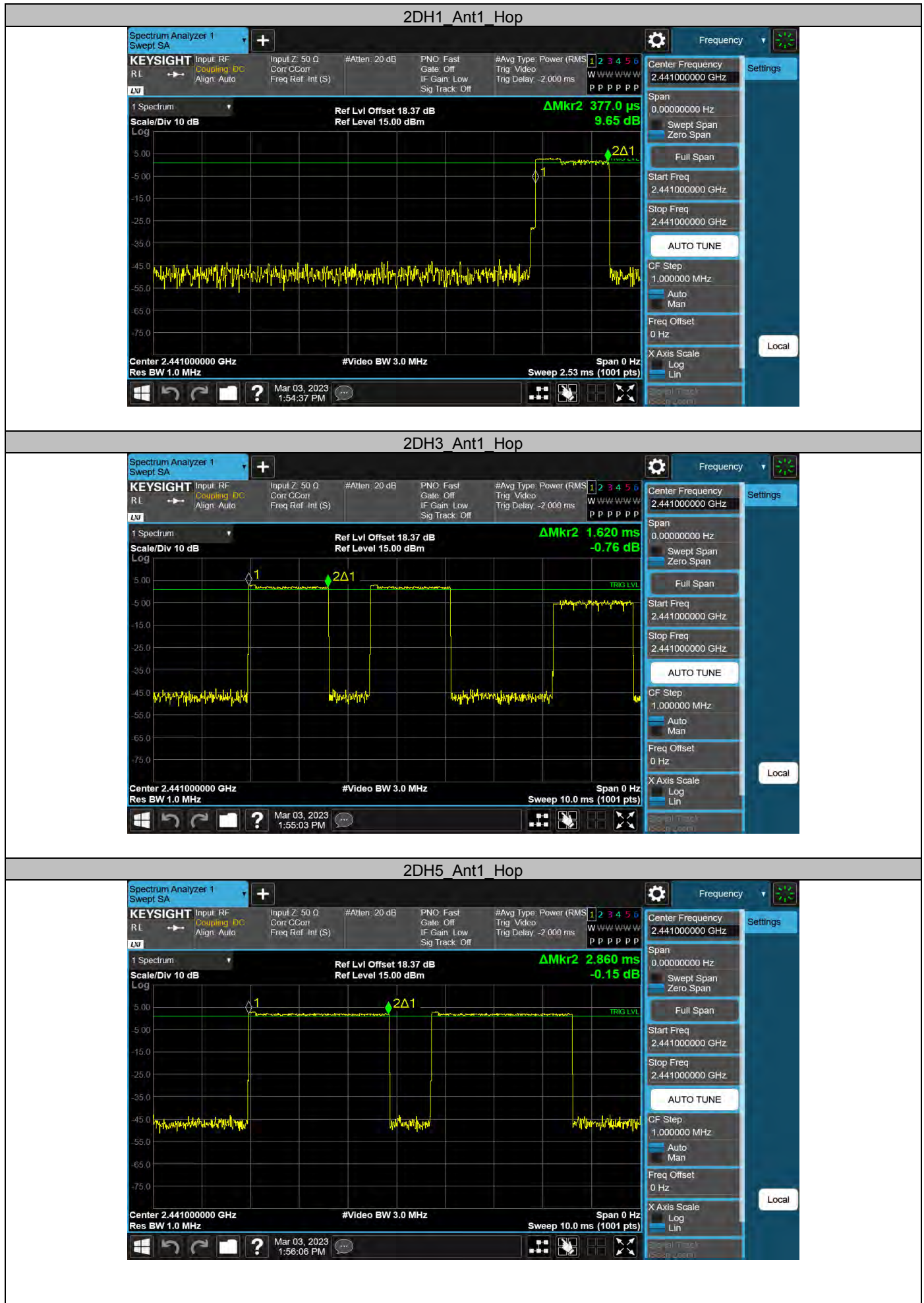


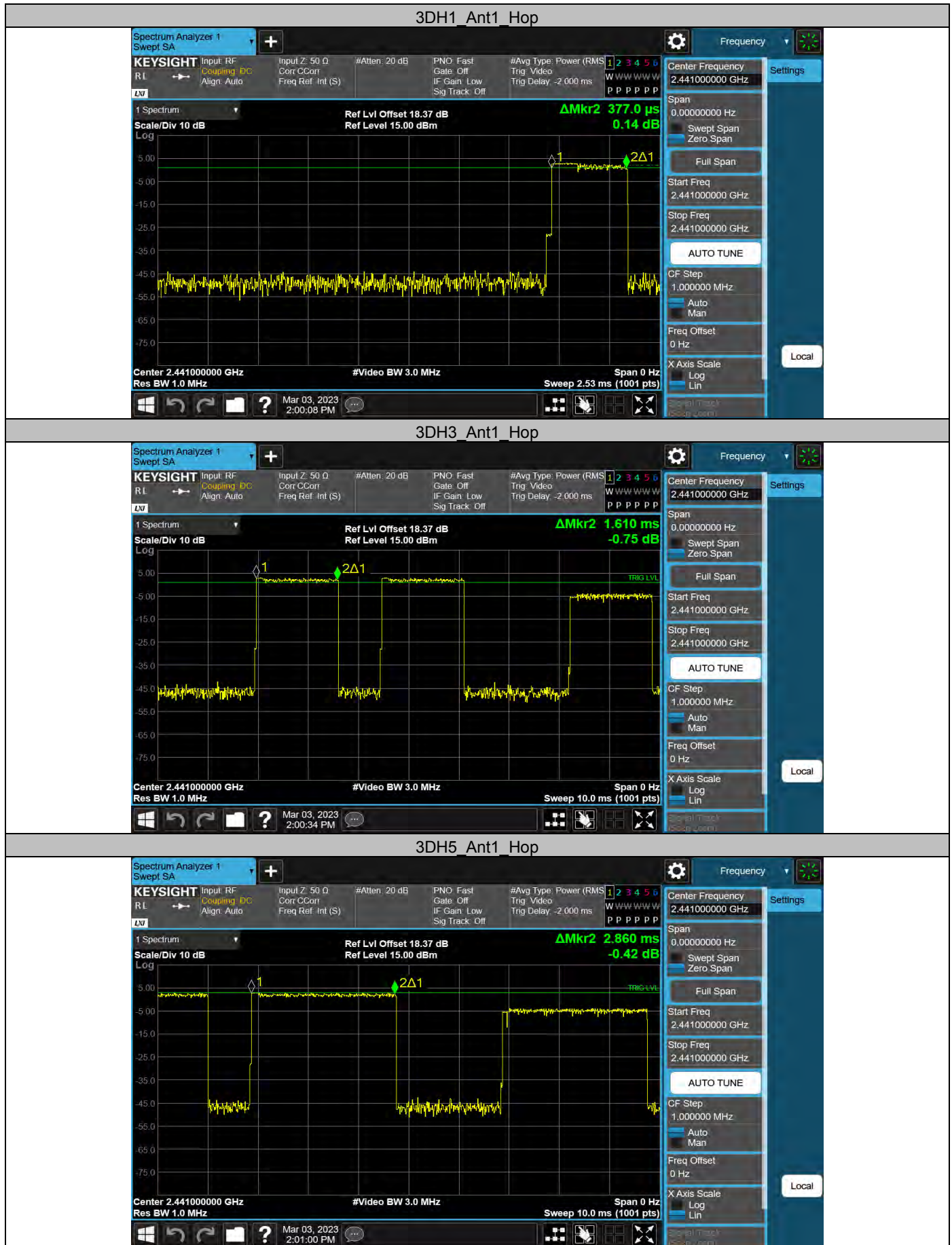
Appendix E: Time of occupancy Test Result

Test Mode	Antenna	Freq(MHz)	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.367	320	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.600	160	0.256	≤0.4	PASS
DH5	Ant1	Hop	2.850	106.67	0.304	≤0.4	PASS
2DH1	Ant1	Hop	0.377	320	0.121	≤0.4	PASS
2DH3	Ant1	Hop	1.620	160	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.860	106.67	0.305	≤0.4	PASS
3DH1	Ant1	Hop	0.377	320	0.121	≤0.4	PASS
3DH3	Ant1	Hop	1.610	160	0.258	≤0.4	PASS
3DH5	Ant1	Hop	2.860	106.67	0.305	≤0.4	PASS

Test Graphs



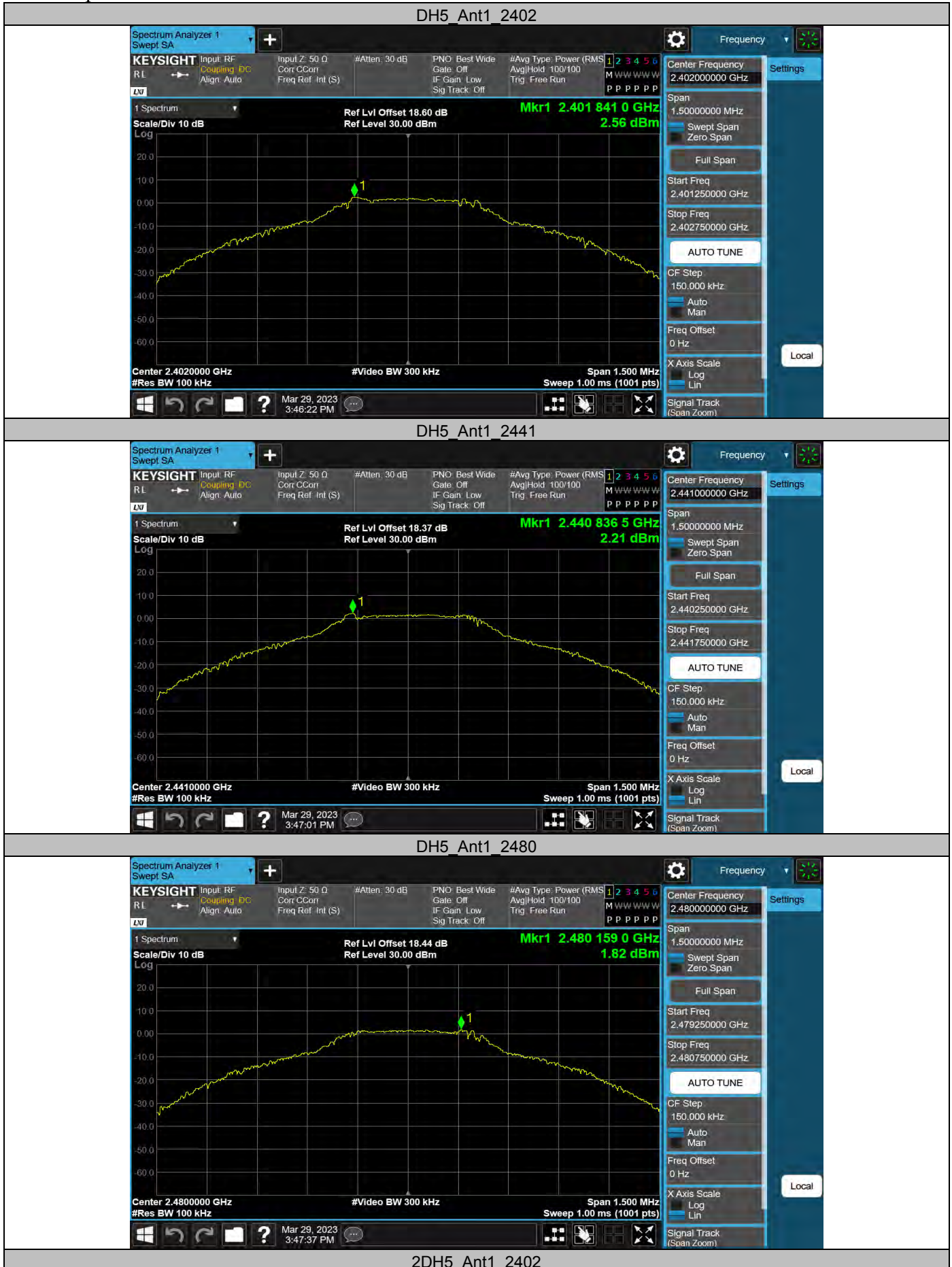


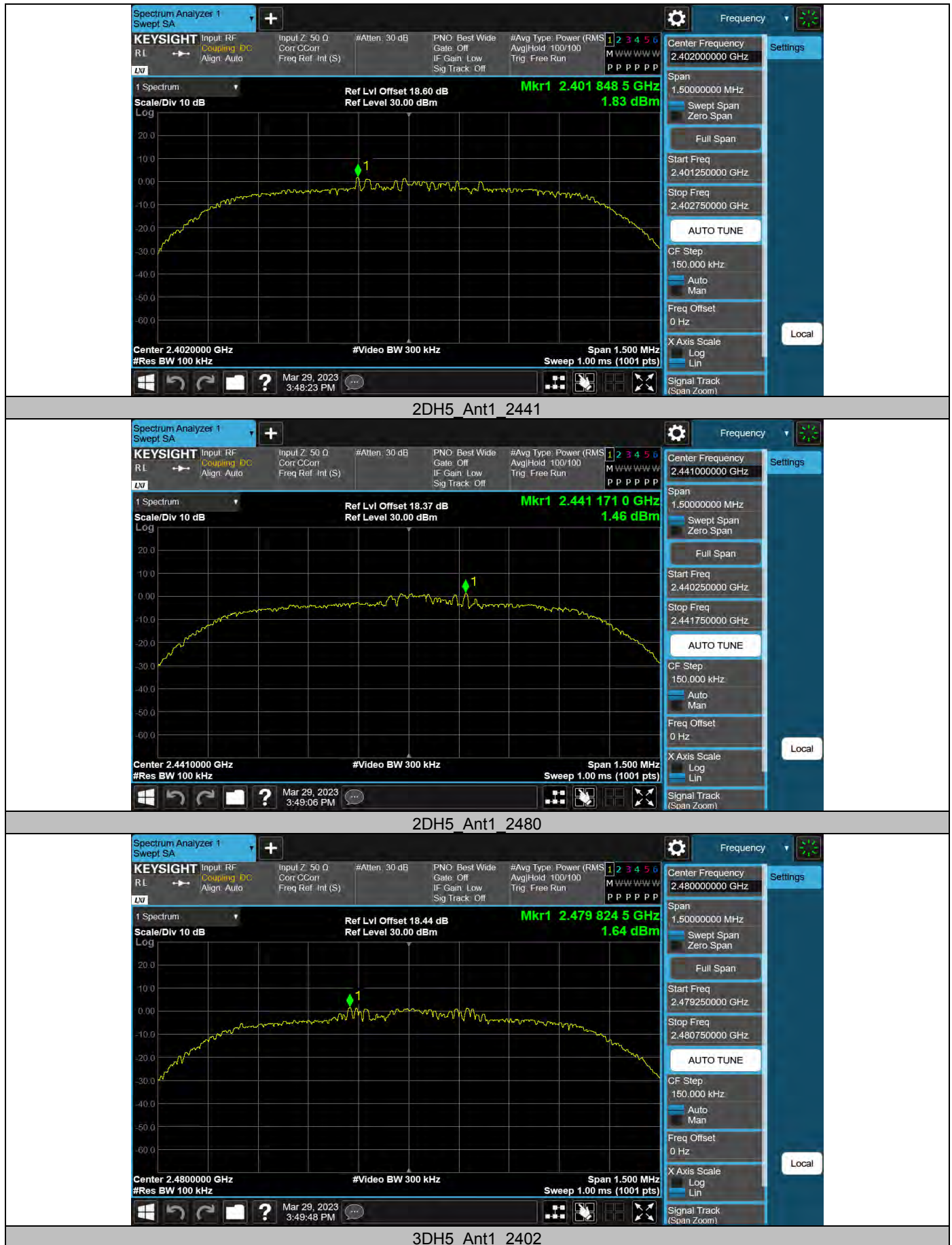


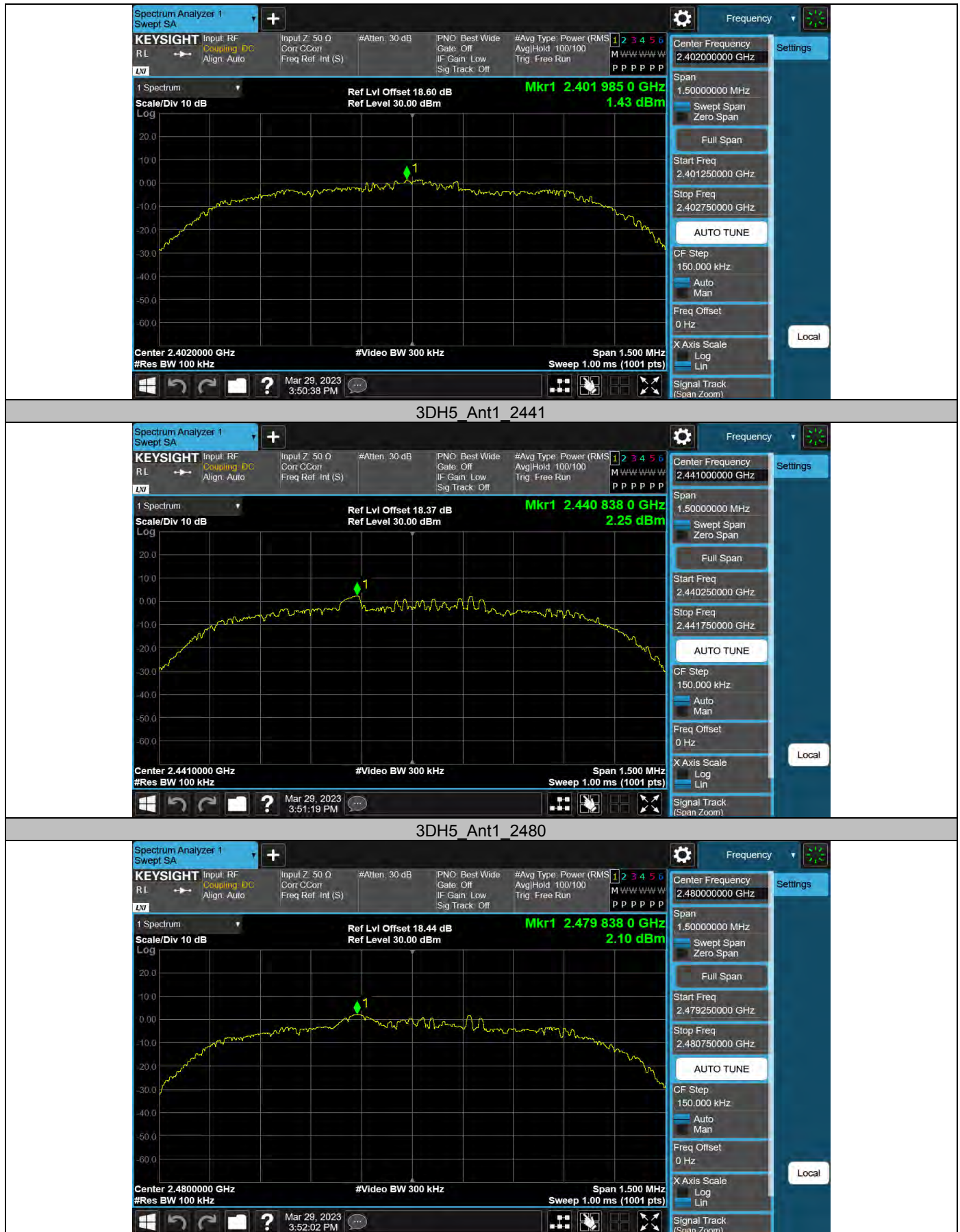
Appendix F: Reference level measurement Test Result

Test Mode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
DH5	Ant1	2402	2401.84	2.56
		2441	2440.84	2.21
		2480	2480.16	1.82
2DH5	Ant1	2402	2401.85	1.83
		2441	2441.17	1.46
		2480	2479.82	1.64
3DH5	Ant1	2402	2401.99	1.43
		2441	2440.84	2.25
		2480	2479.84	2.10

Test Graphs





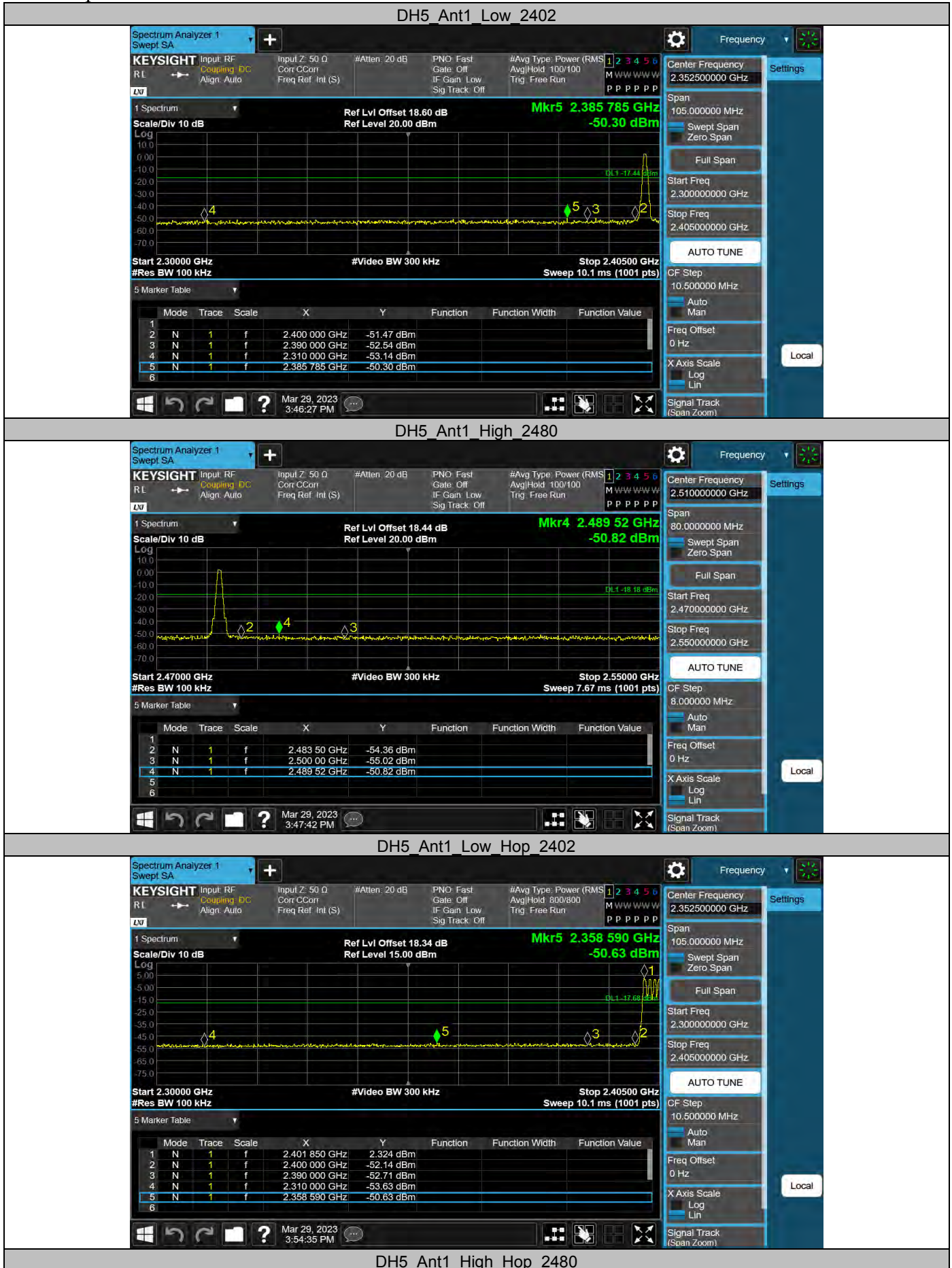


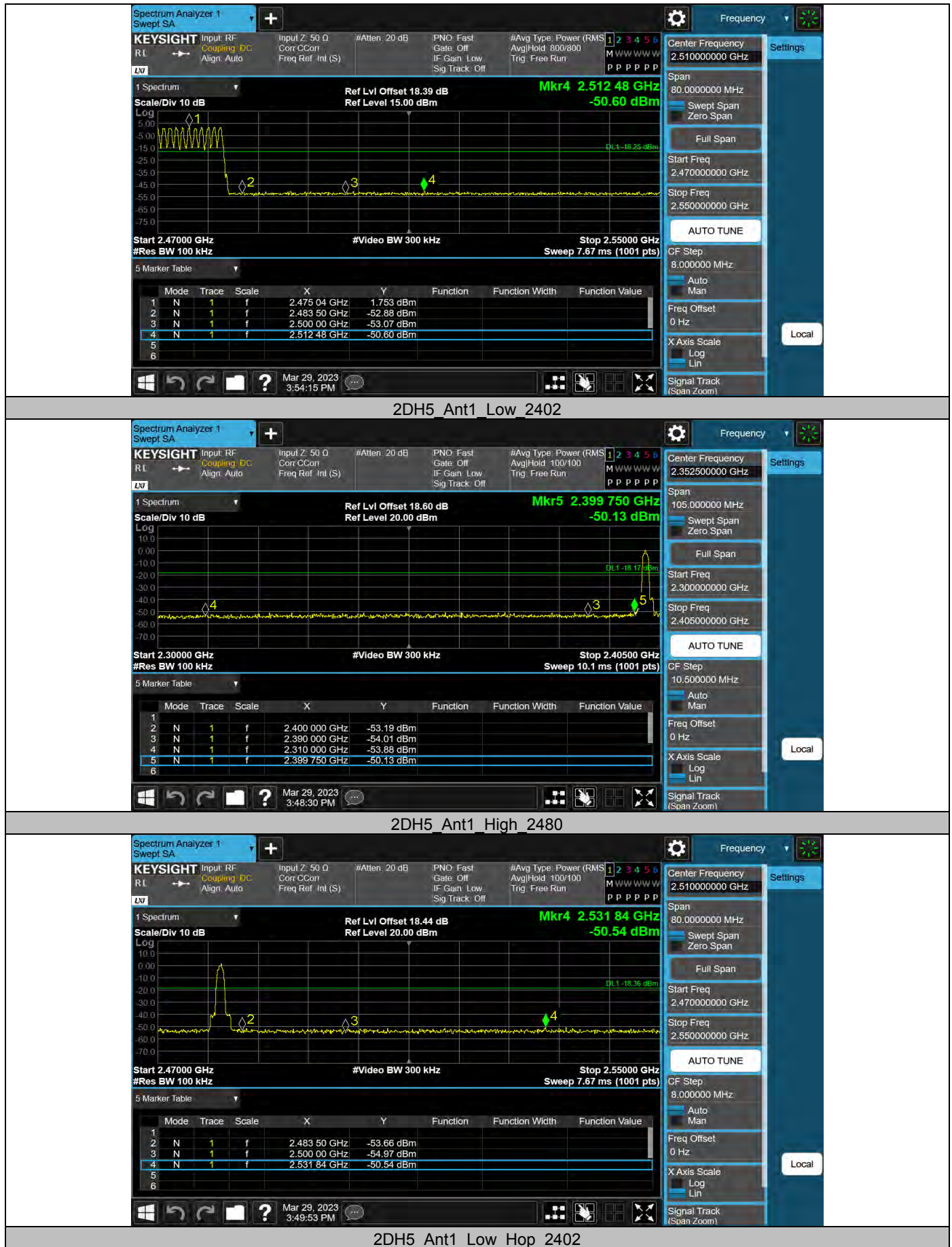
Appendix G: Band edge measurements

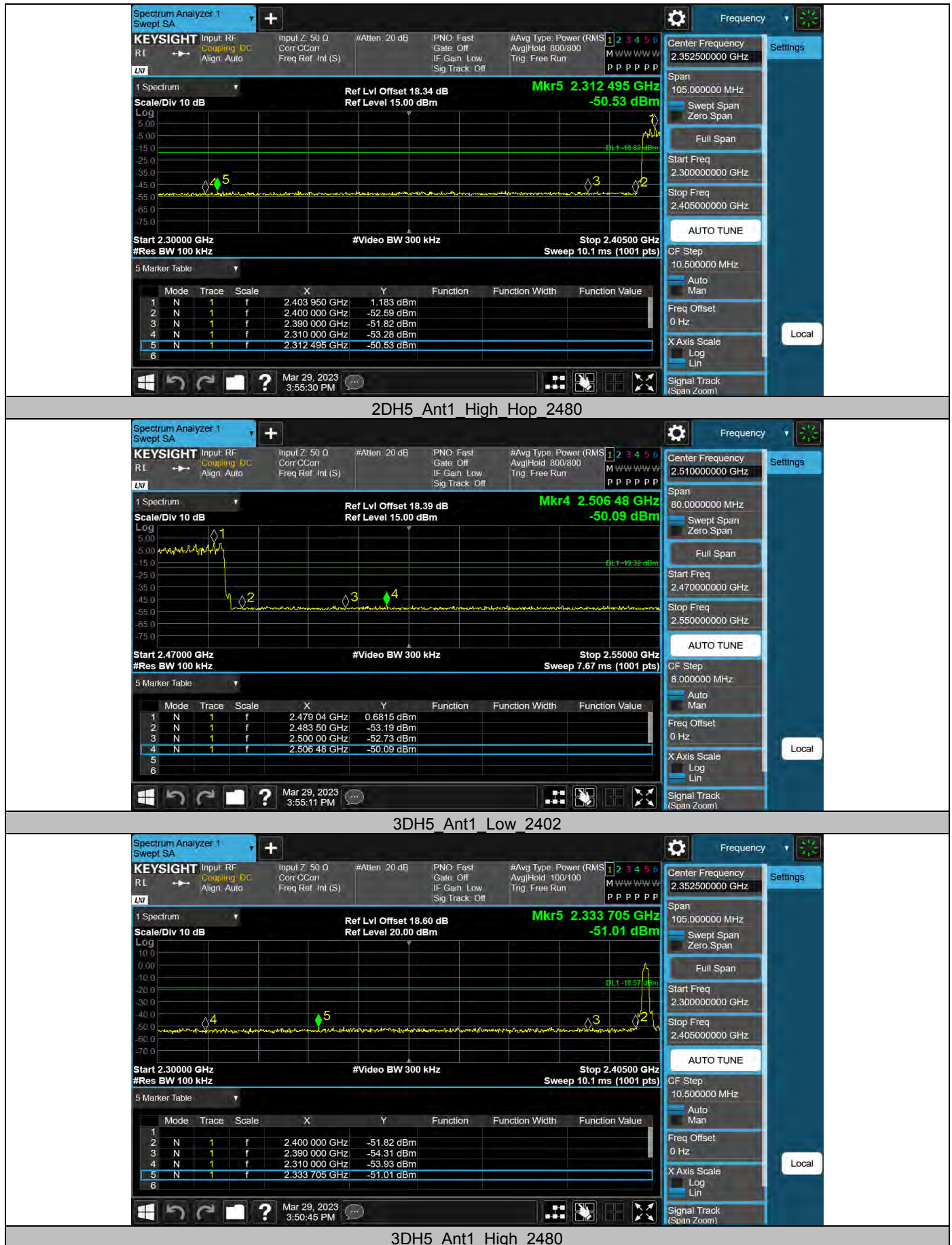
Test Result

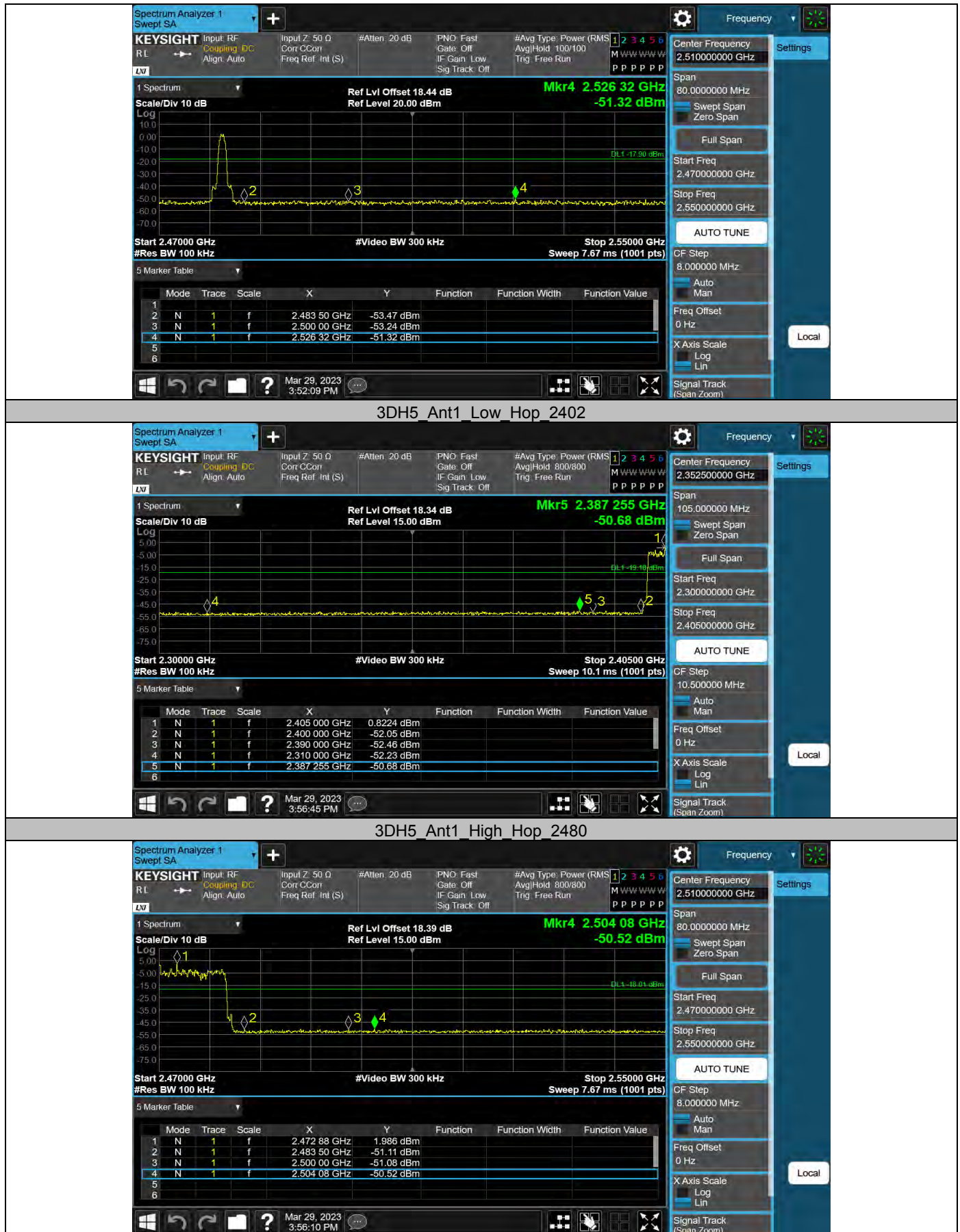
Test Mode	Antenna	Ch Name	Freq(MHz)	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.56	-50.3	≤ -17.44	PASS
		High	2480	1.82	-50.82	≤ -18.18	PASS
		Low	Hop_2402	2.32	-50.63	≤ -17.68	PASS
		High	Hop_2480	1.75	-50.6	≤ -18.25	PASS
2DH5	Ant1	Low	2402	1.83	-50.13	≤ -18.17	PASS
		High	2480	1.64	-50.54	≤ -18.36	PASS
		Low	Hop_2402	1.18	-50.53	≤ -18.82	PASS
		High	Hop_2480	0.68	-50.09	≤ -19.32	PASS
3DH5	Ant1	Low	2402	1.43	-51.01	≤ -18.57	PASS
		High	2480	2.10	-51.32	≤ -17.9	PASS
		Low	Hop_2402	0.82	-50.68	≤ -19.18	PASS
		High	Hop_2480	1.99	-50.52	≤ -18.01	PASS

Test Graphs





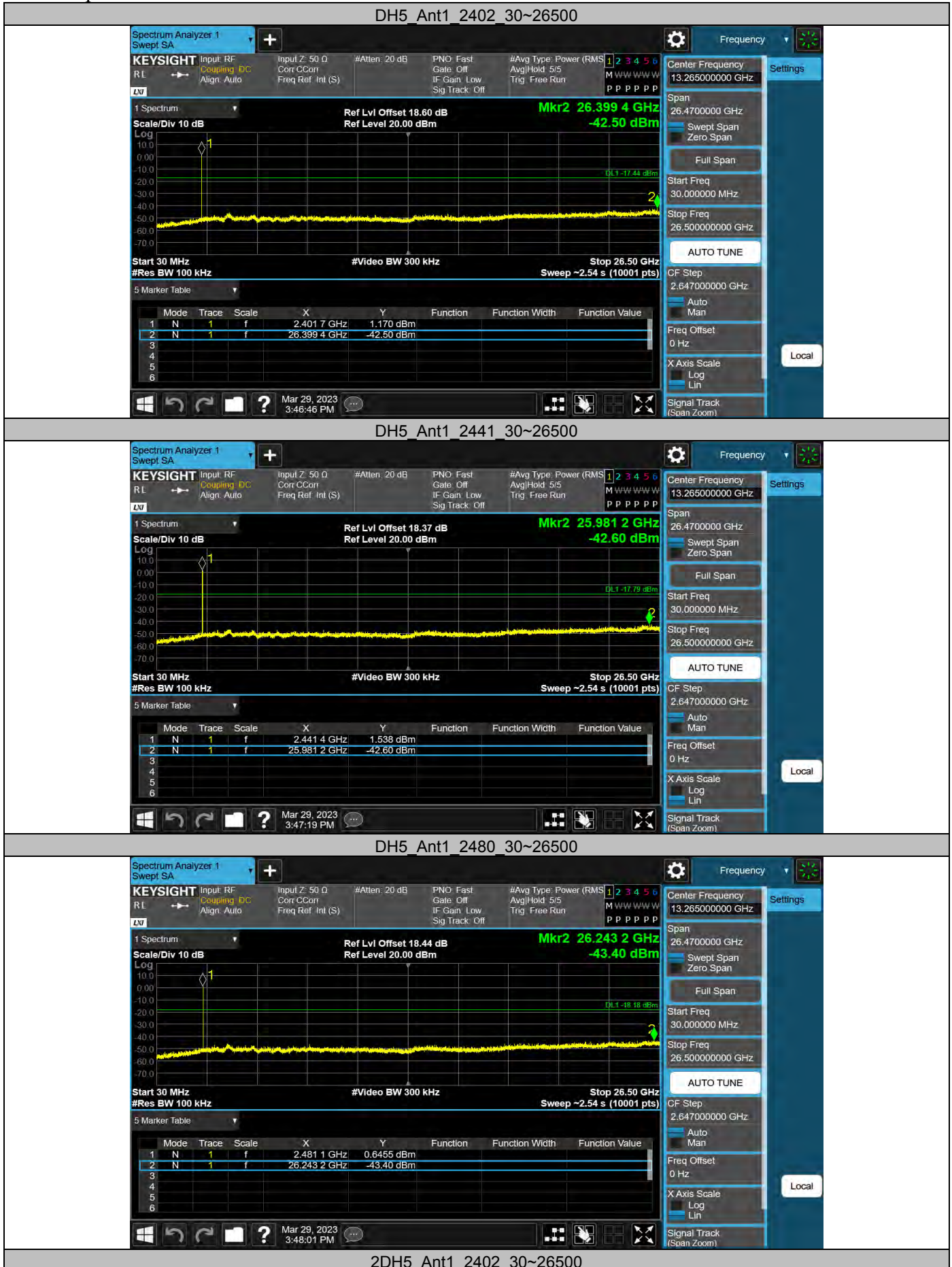


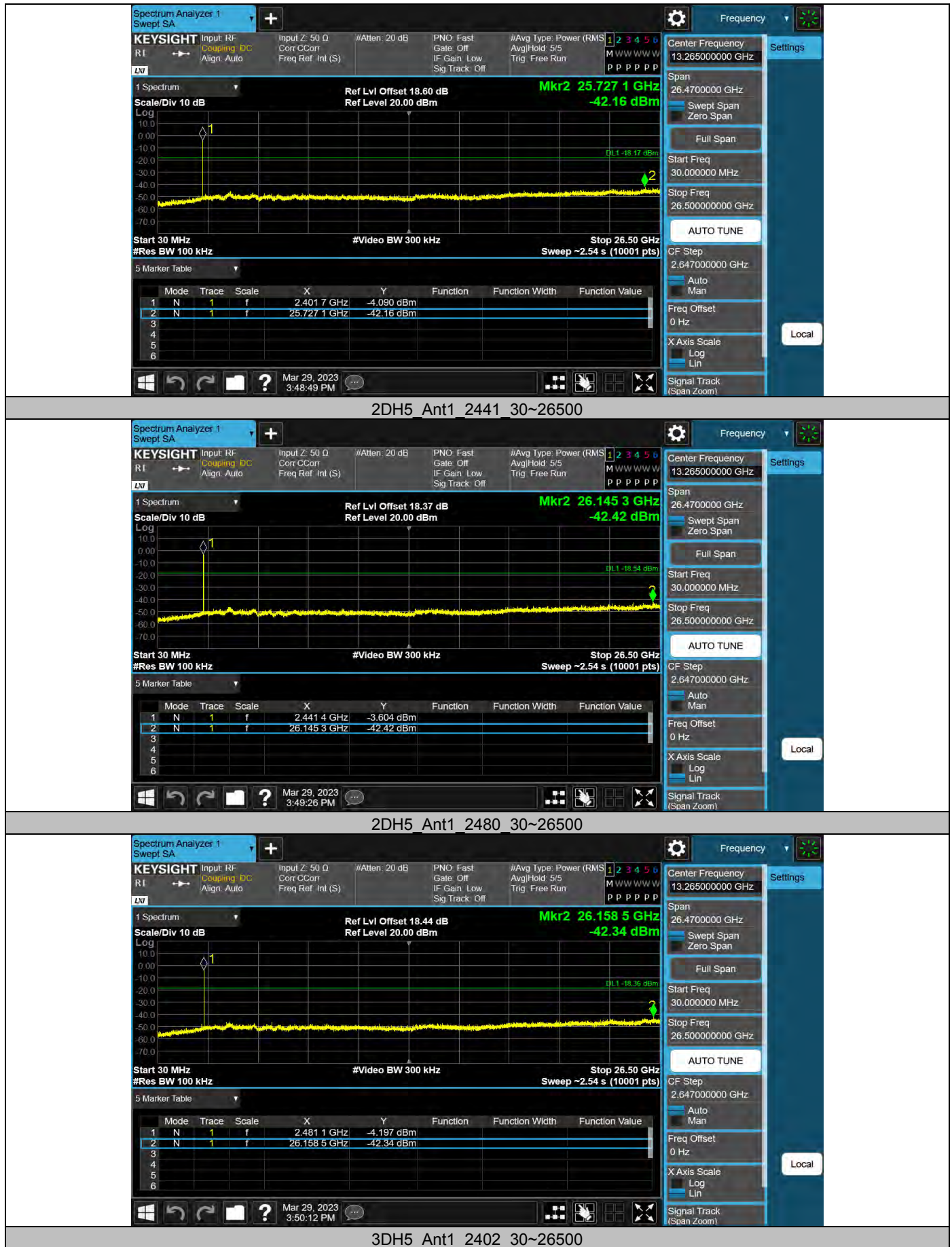


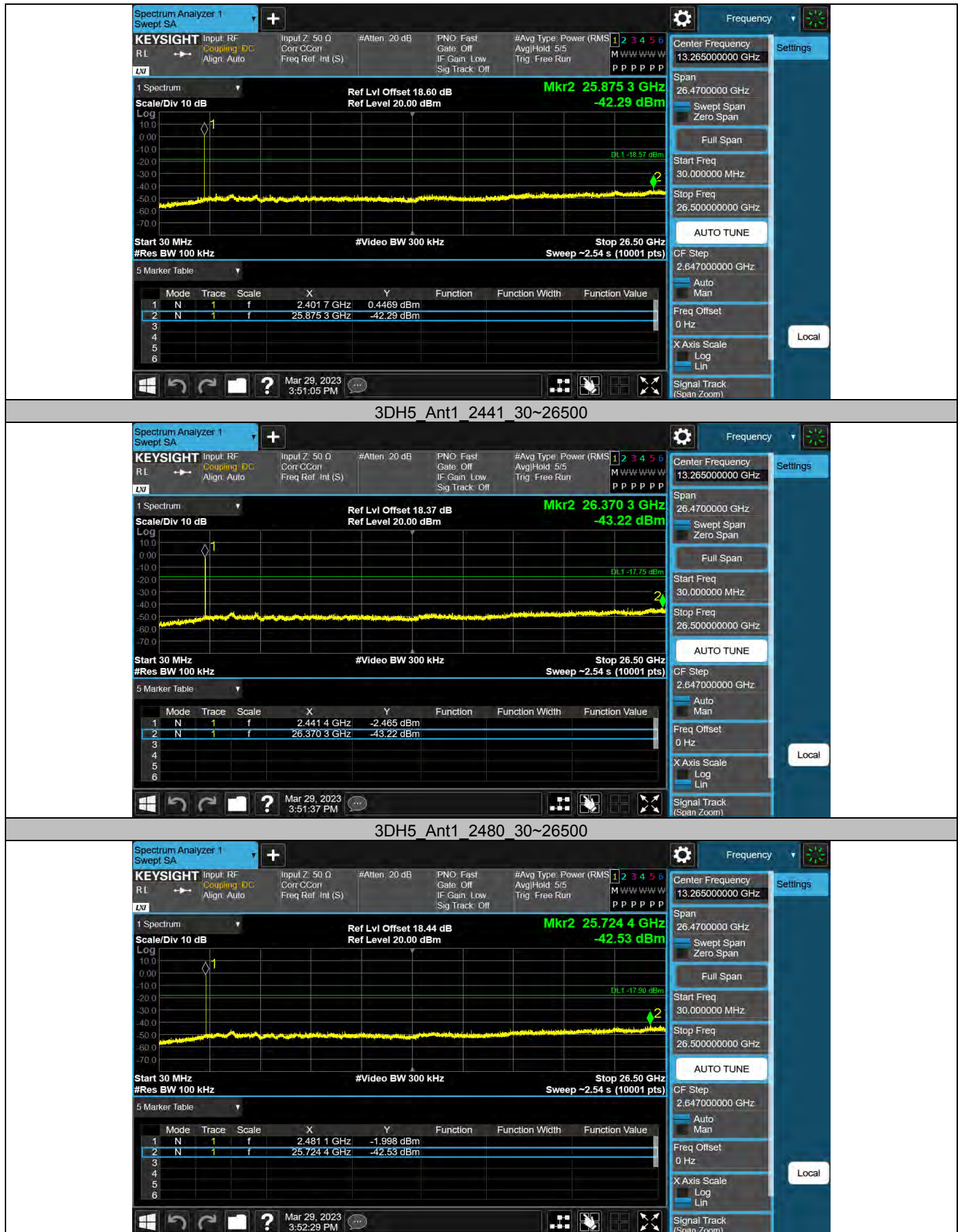
Appendix H: Conducted Spurious Emission Test Result

Test Mode	Antenna	Freq(MHz)	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	30~26500	2.56	-42.5	≤ -17.44	PASS
		2441	30~26500	2.21	-42.6	≤ -17.79	PASS
		2480	30~26500	1.82	-43.4	≤ -18.18	PASS
2DH5	Ant1	2402	30~26500	1.83	-42.16	≤ -18.17	PASS
		2441	30~26500	1.46	-42.42	≤ -18.54	PASS
		2480	30~26500	1.64	-42.34	≤ -18.36	PASS
3DH5	Ant1	2402	30~26500	1.43	-42.29	≤ -18.57	PASS
		2441	30~26500	2.25	-43.22	≤ -17.75	PASS
		2480	30~26500	2.10	-42.53	≤ -17.9	PASS

Test Graphs

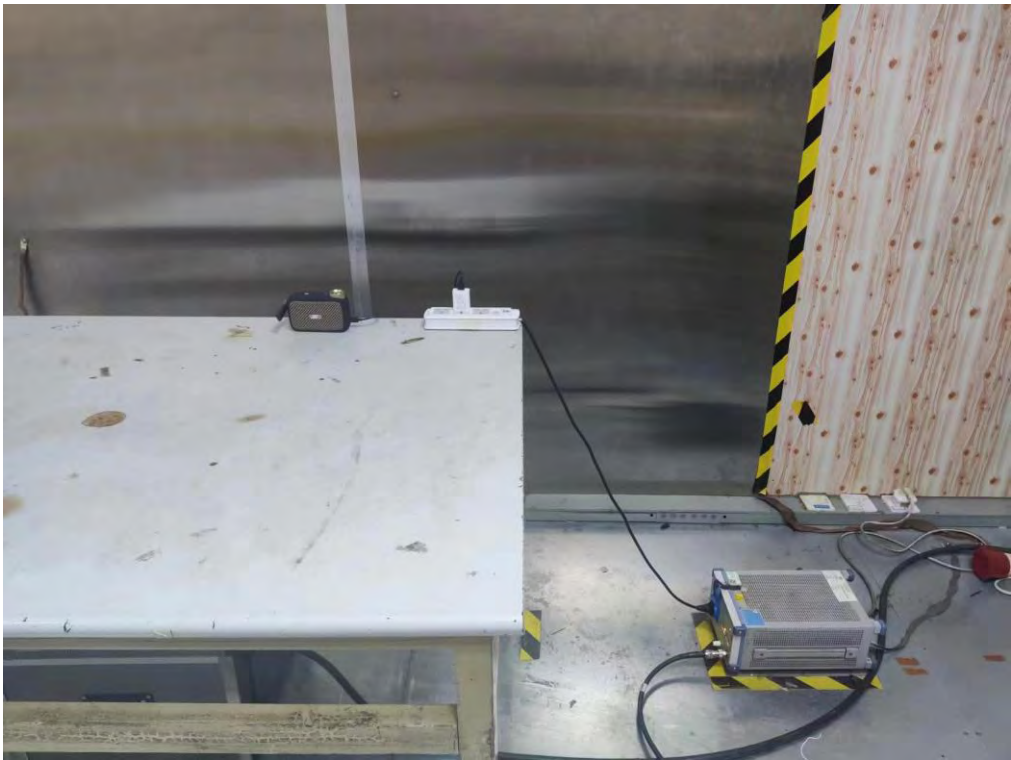




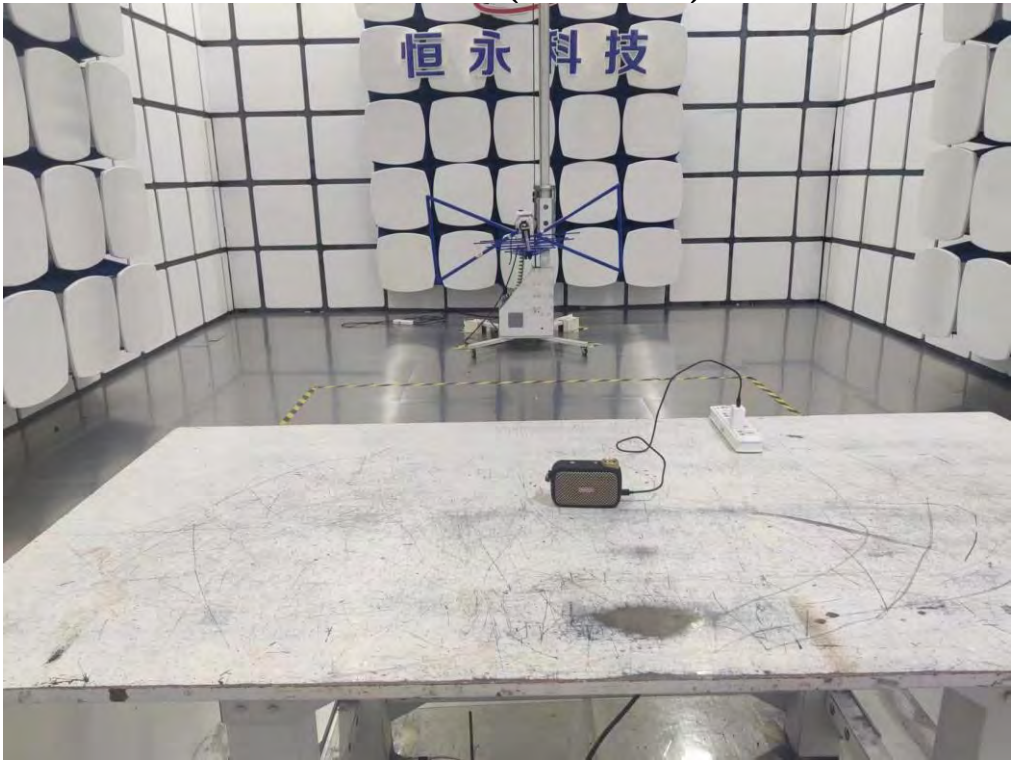


14. TEST SETUP PHOTO

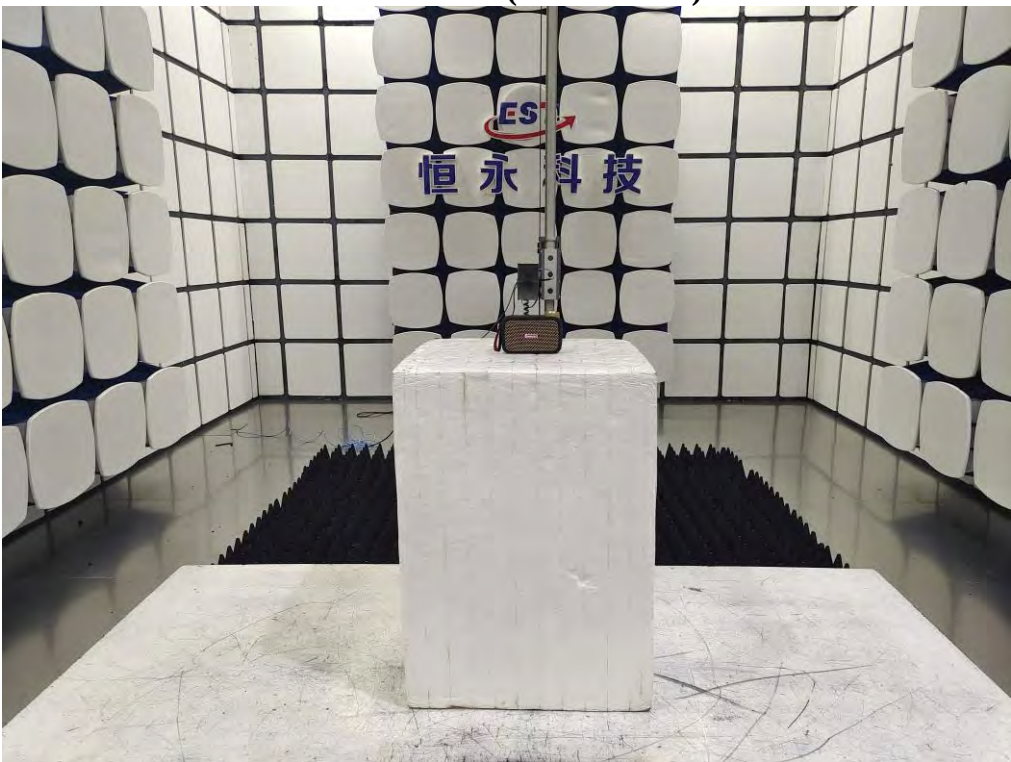
Conducted Test



Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)



15. EUT PHOTO

External Photos
M/N: Spark GO



External Photos
M/N: Spark GO



External Photos
M/N: Spark GO



External Photos
M/N: Spark GO



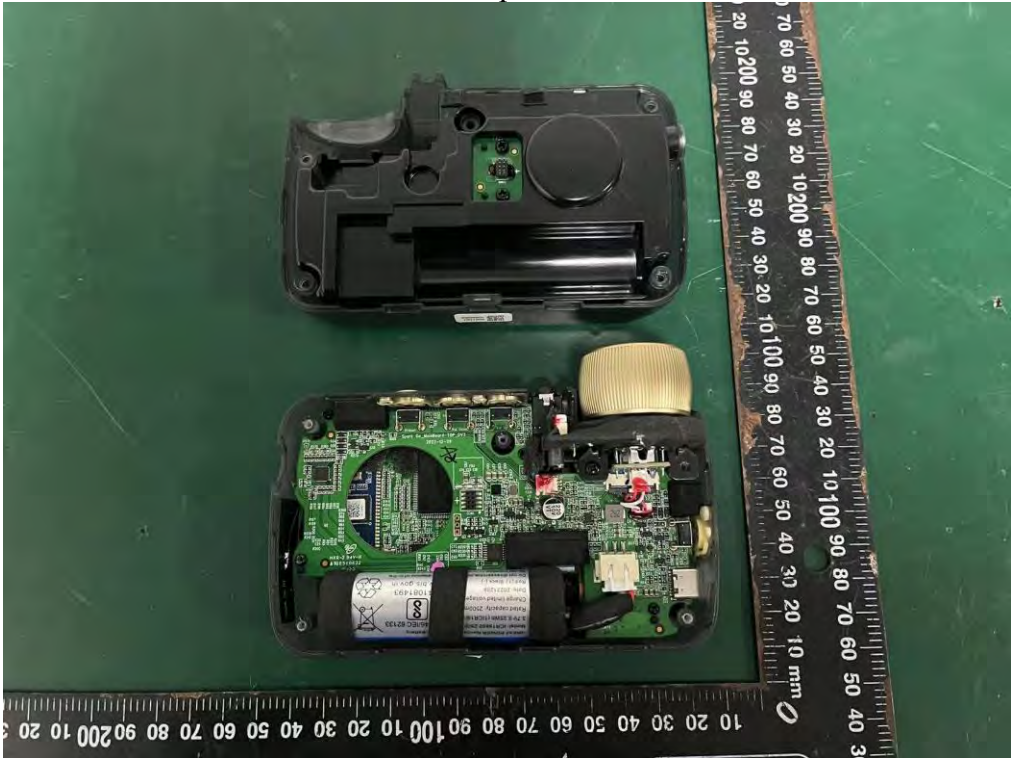
External Photos
M/N: Spark GO



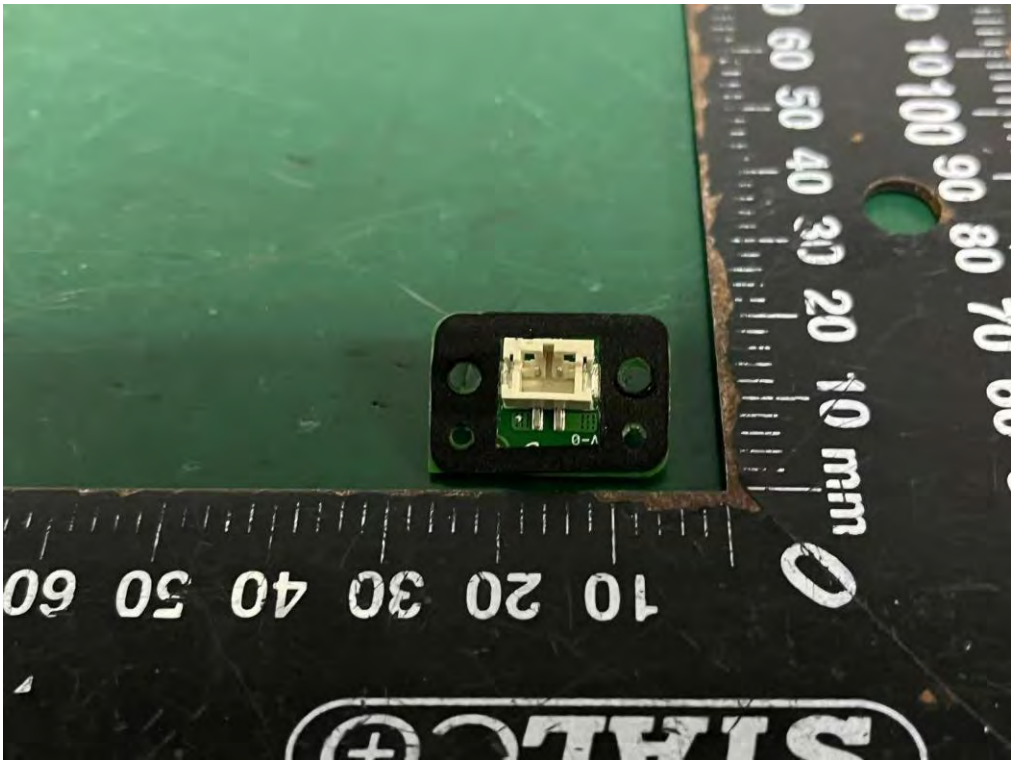
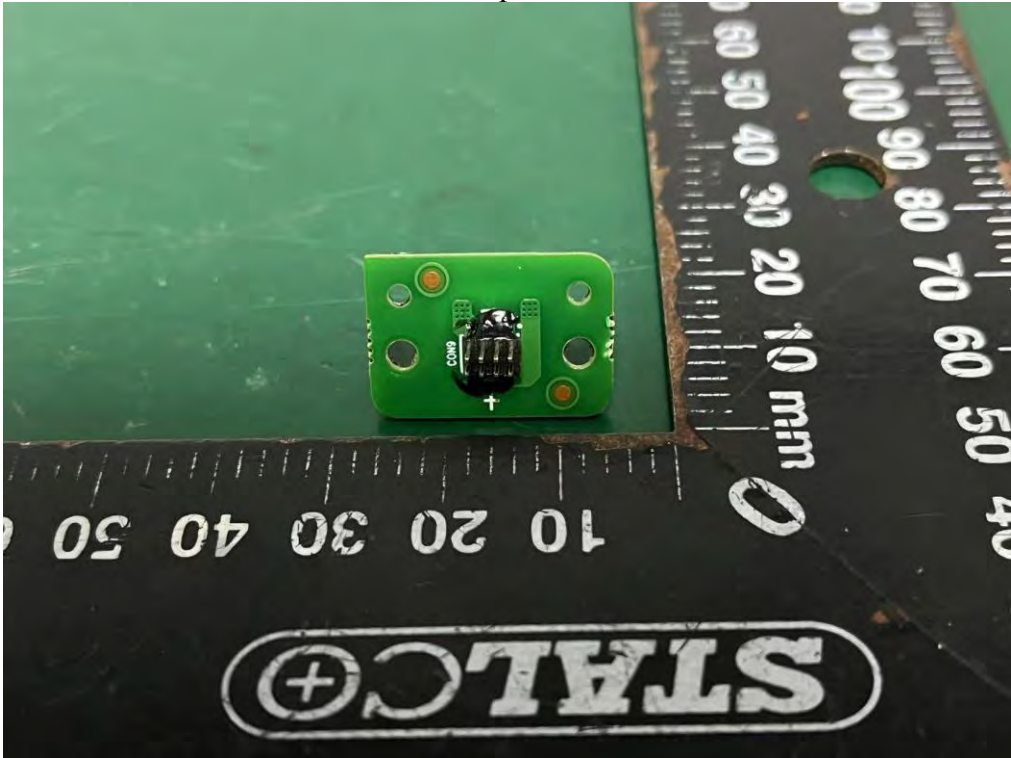
Internal Photos
M/N: Spark GO



Internal Photos
M/N: Spark GO



Internal Photos
M/N: Spark GO



Internal Photos
M/N: Spark GO

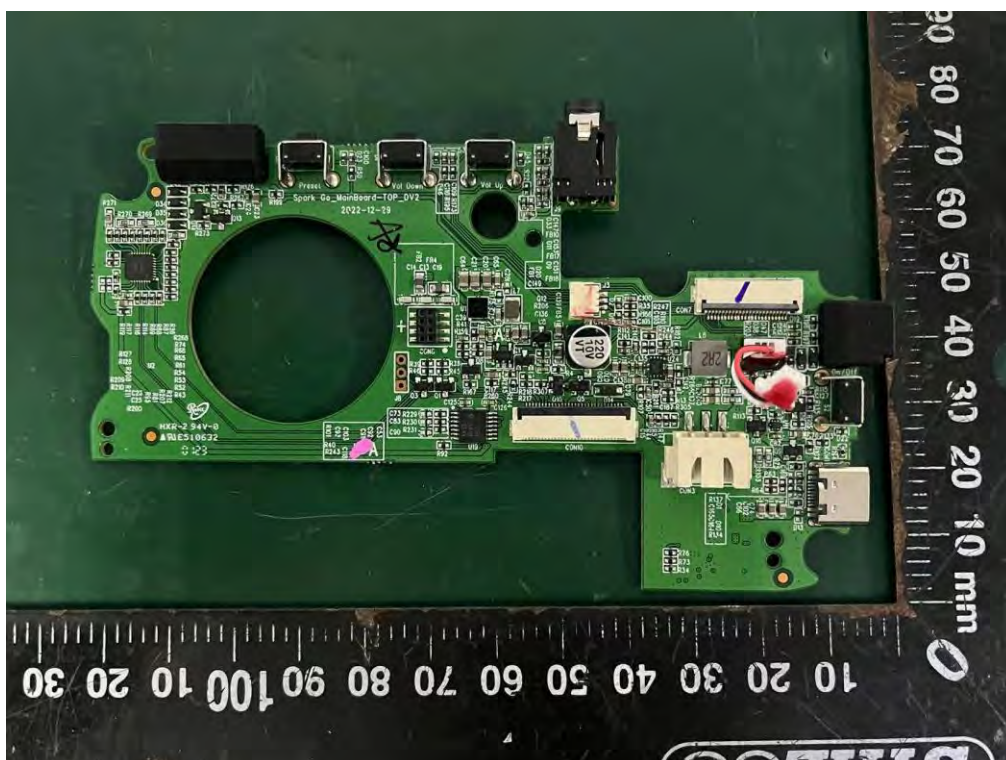
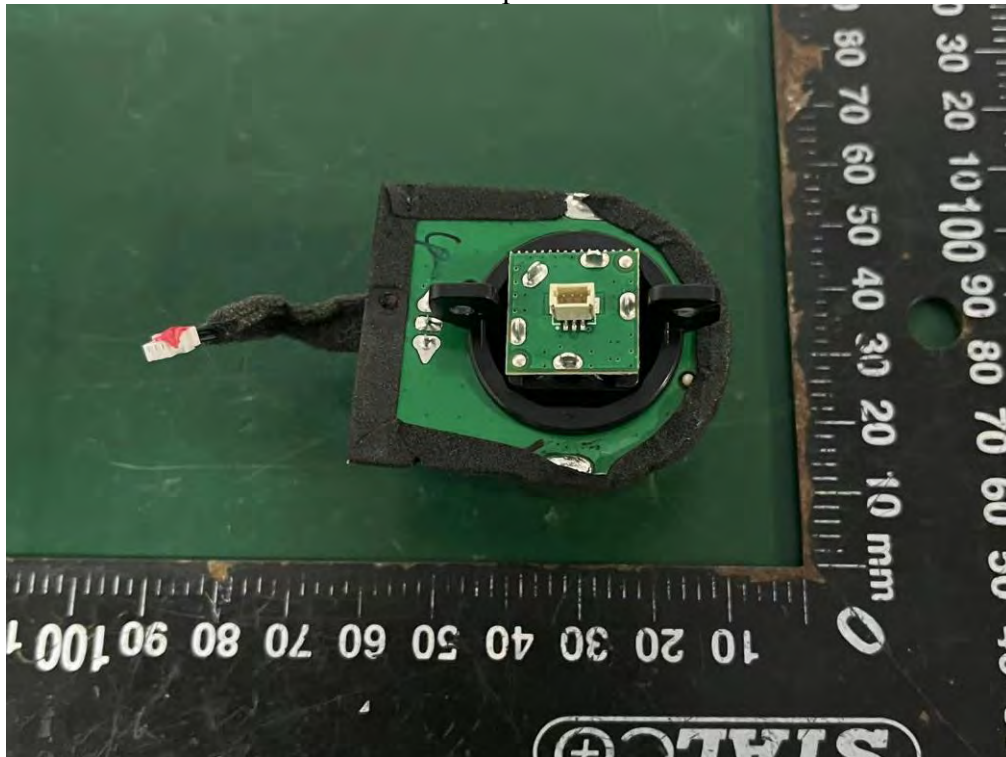


Internal Photos
M/N: Spark GO

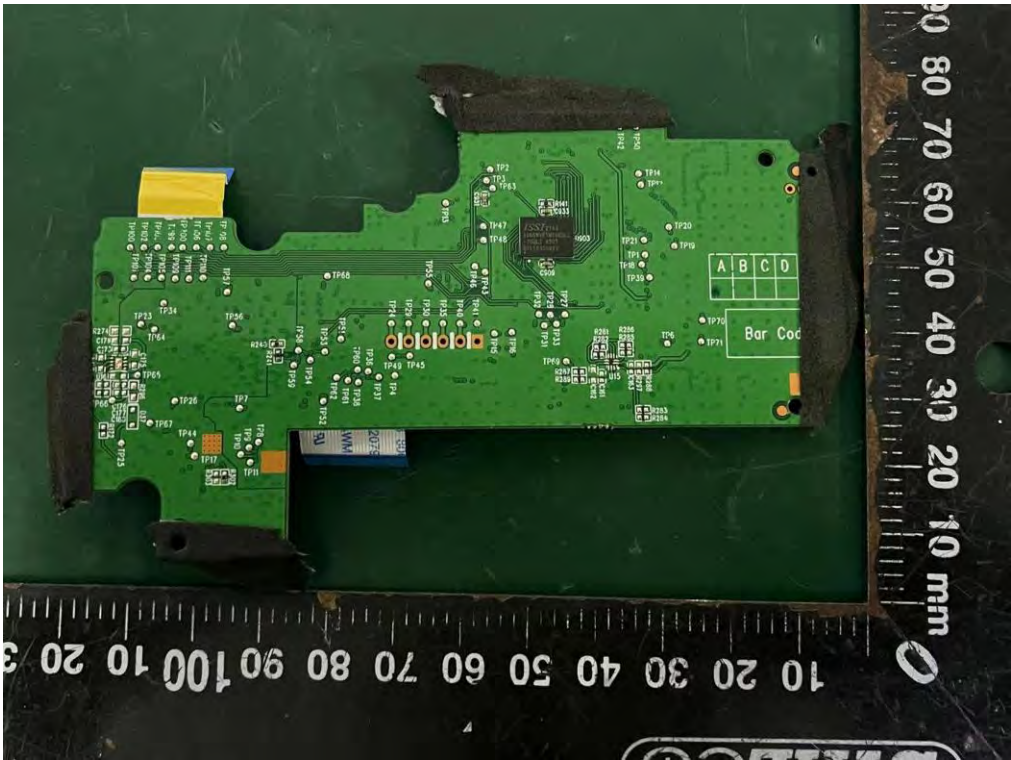
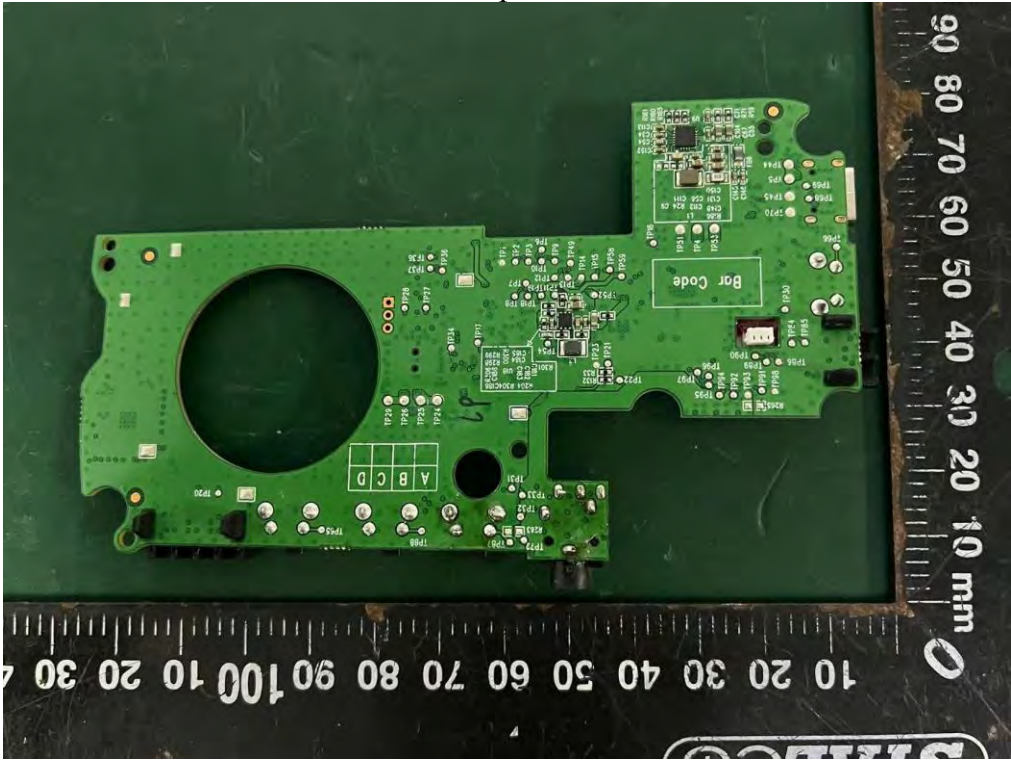


Internal Photos

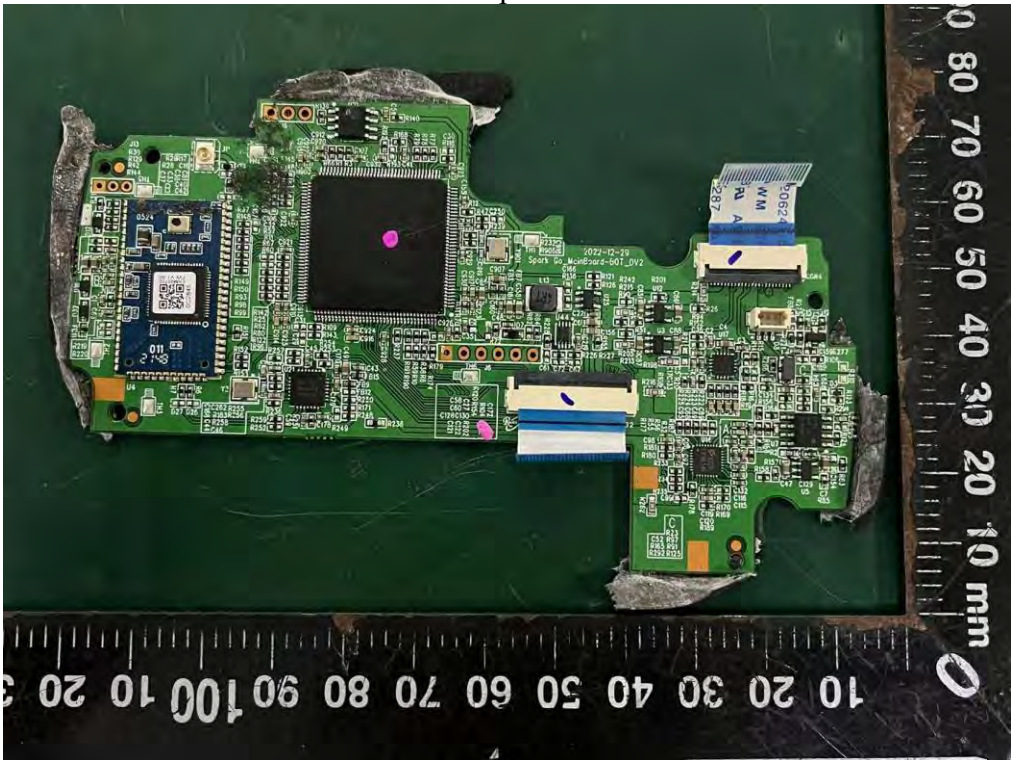
M/N: Spark GO



Internal Photos
M/N: Spark GO



Internal Photos
M/N: Spark GO



End of Test Report