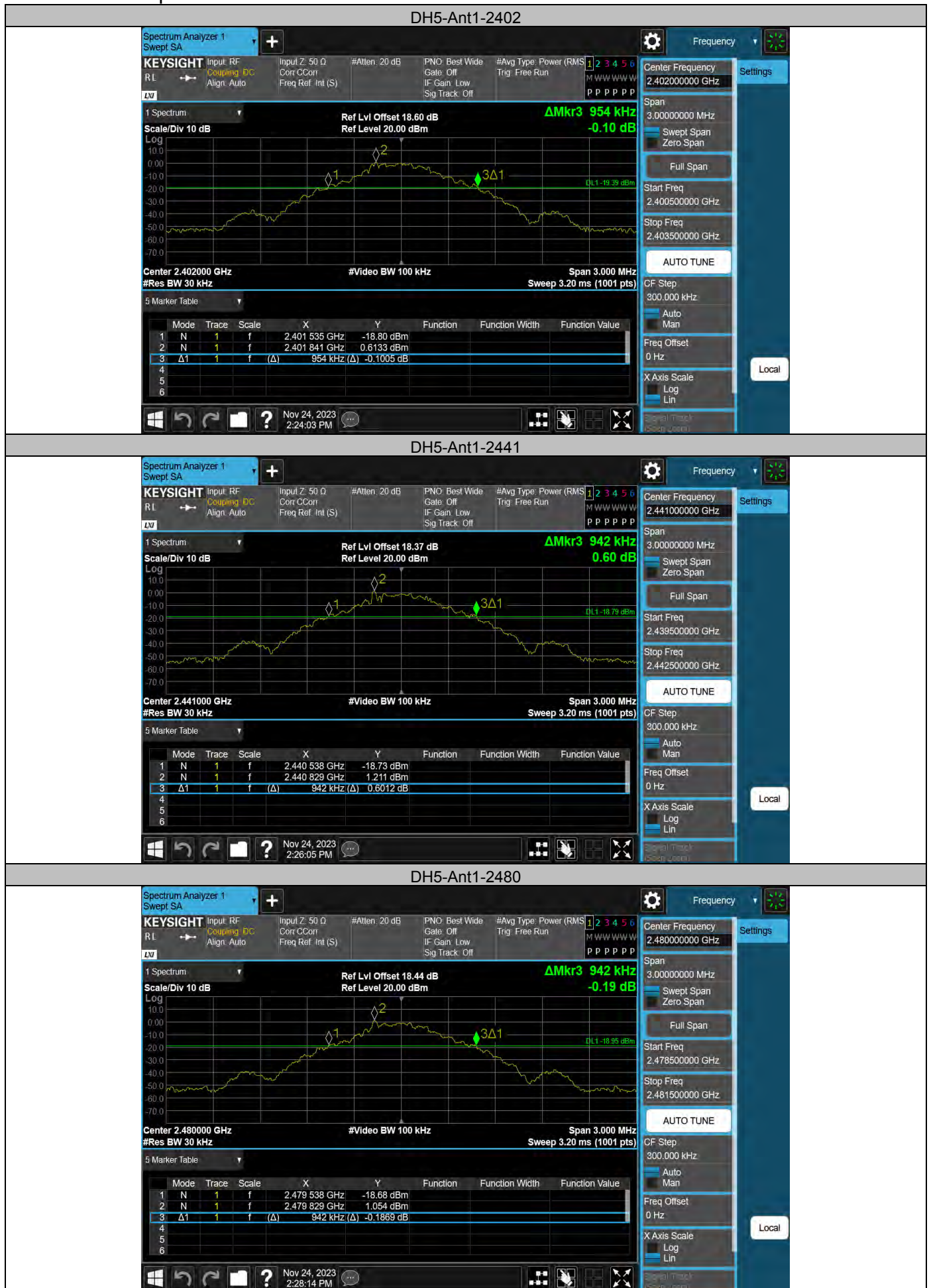


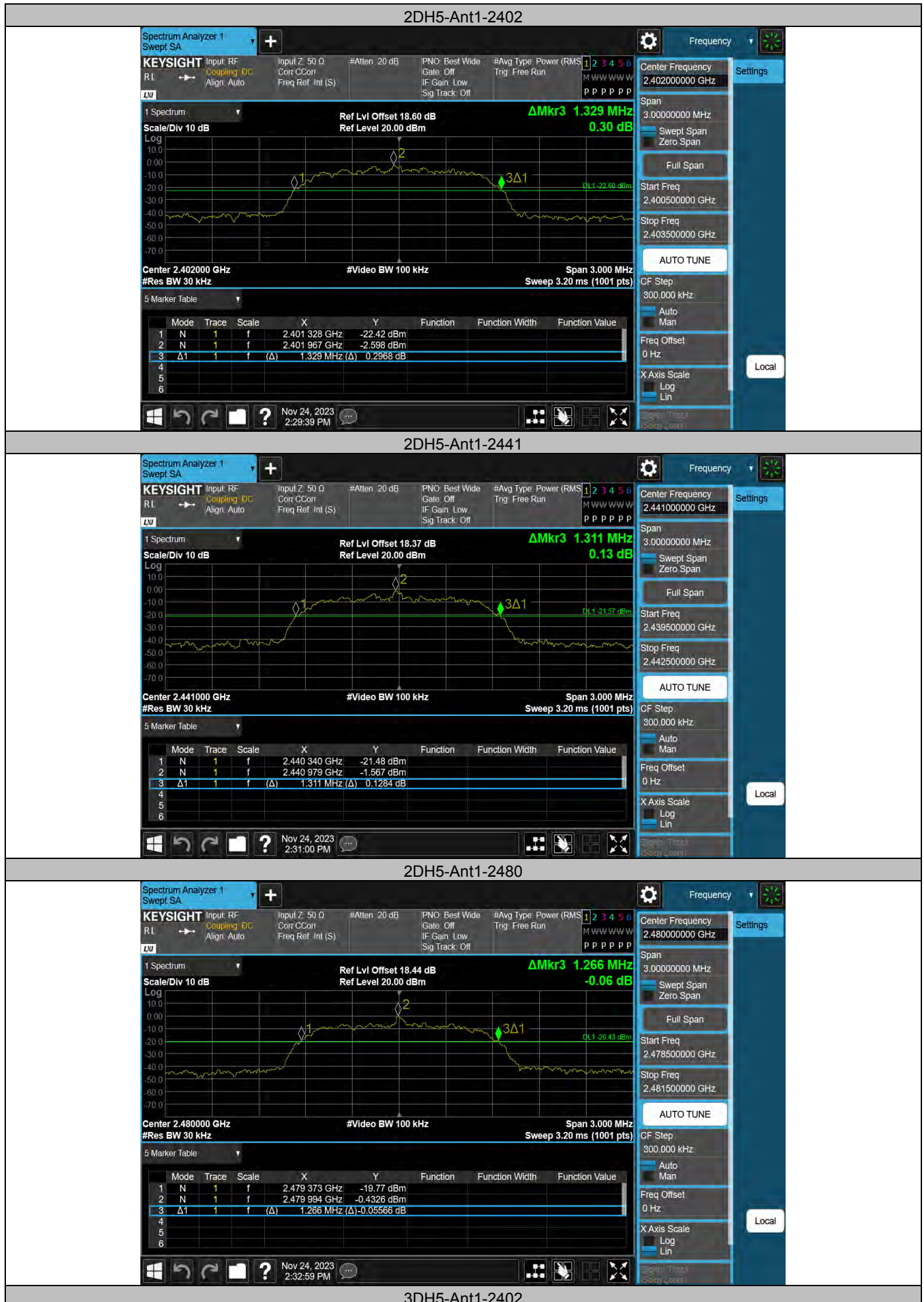
13. APPENDIX

Appendix A: 20dB Emission Bandwidth Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.535	2402.489	---	---
DH5	Ant1	2441	0.942	2440.538	2441.480	---	---
DH5	Ant1	2480	0.942	2479.538	2480.480	---	---
2DH5	Ant1	2402	1.329	2401.328	2402.657	---	---
2DH5	Ant1	2441	1.311	2440.340	2441.651	---	---
2DH5	Ant1	2480	1.266	2479.373	2480.639	---	---
3DH5	Ant1	2402	1.284	2401.352	2402.636	---	---
3DH5	Ant1	2441	1.275	2440.355	2441.630	---	---
3DH5	Ant1	2480	1.347	2479.325	2480.672	---	---

Test Graphs







3DH5-Ant1-2441



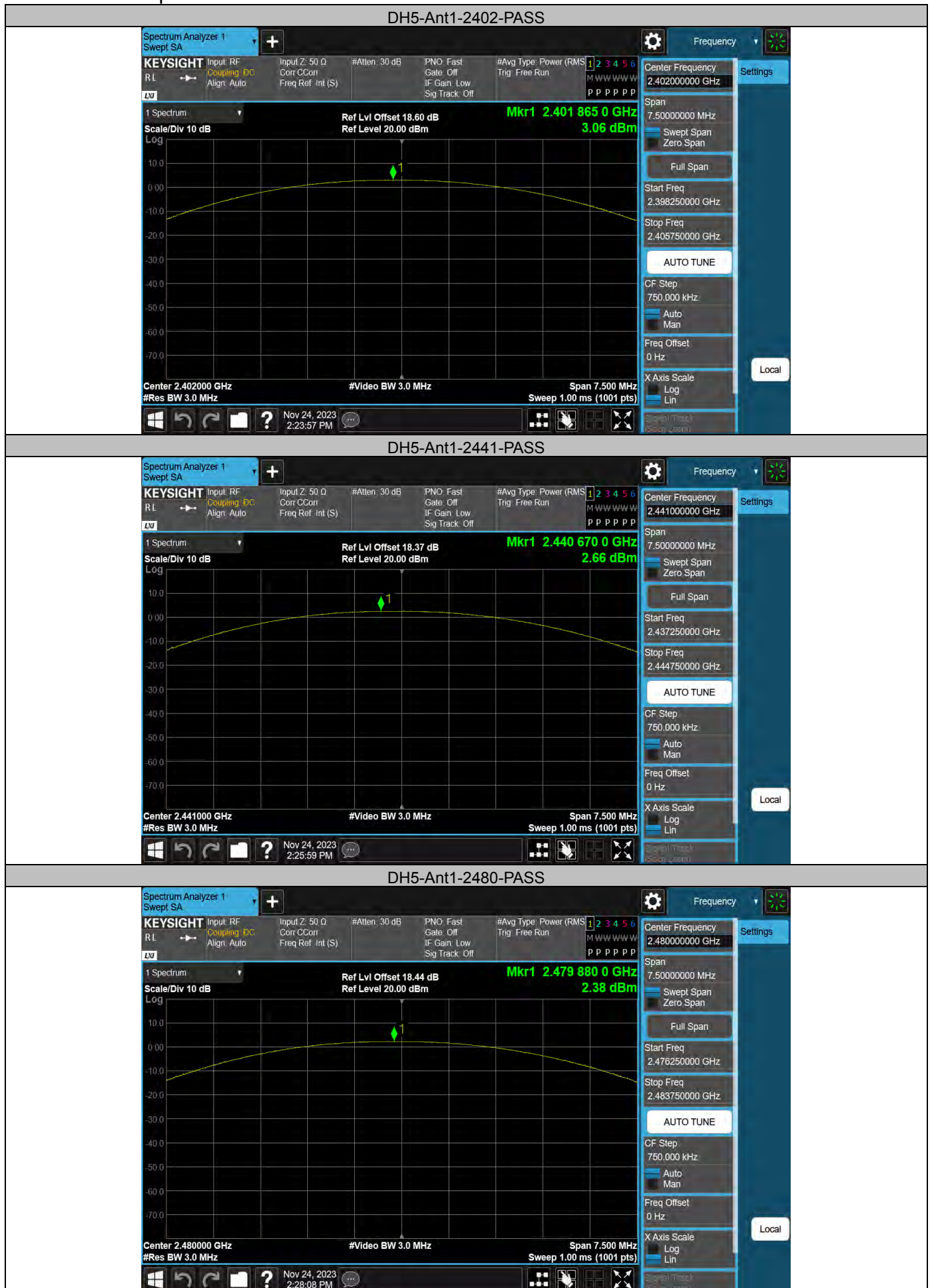
3DH5-Ant1-2480

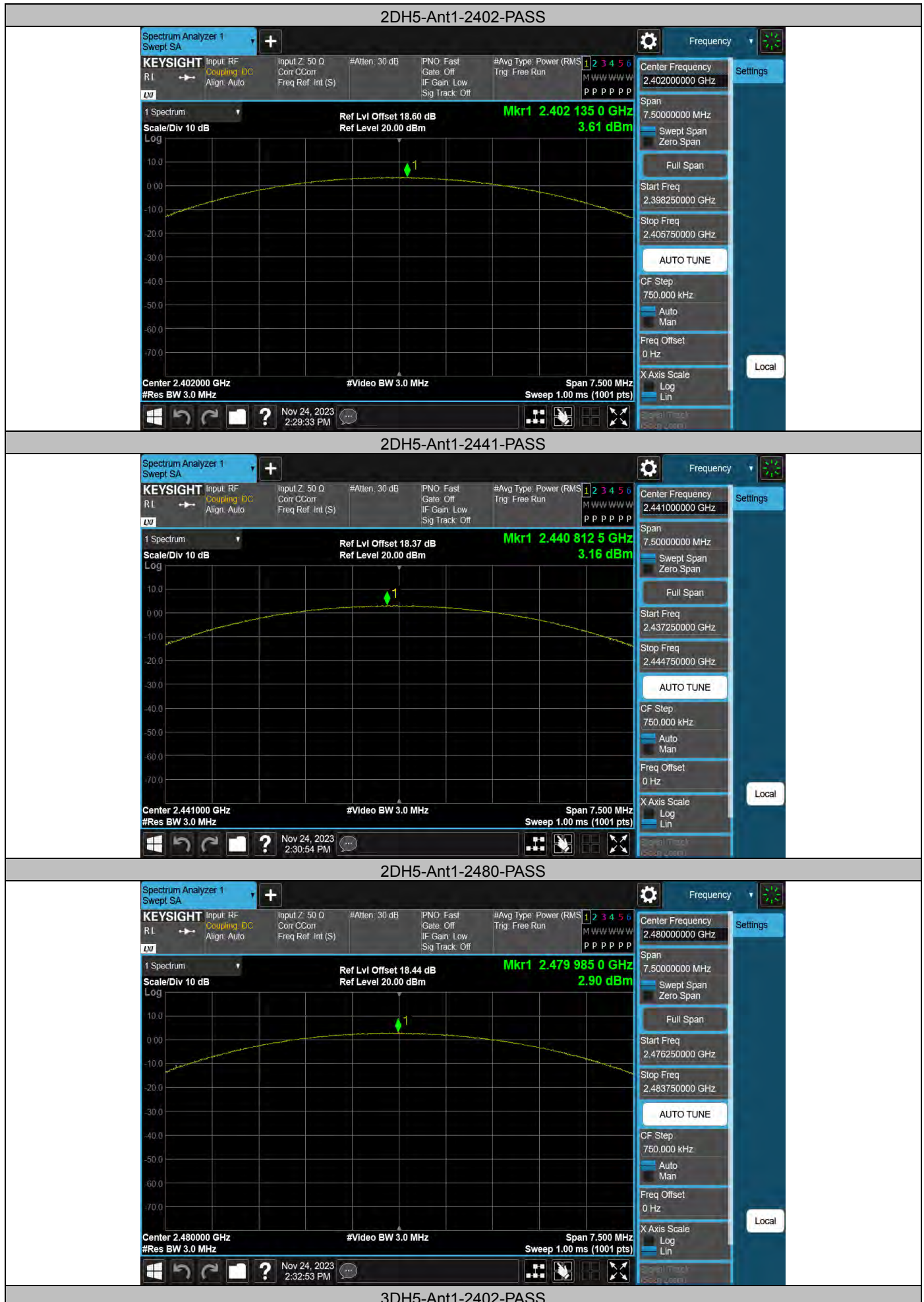


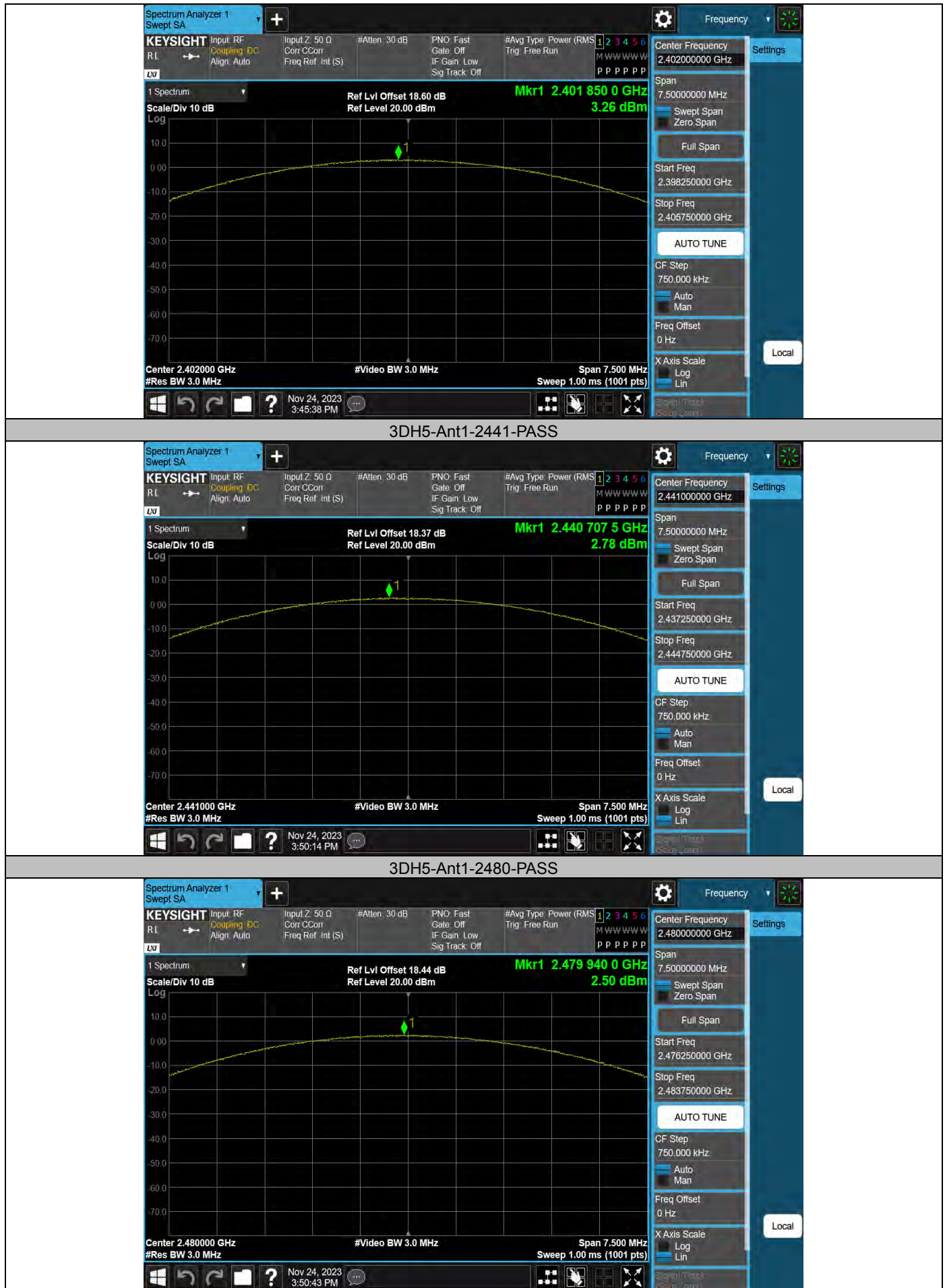
Appendix B: Maximum conducted output power
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.06	≤ 20.97	PASS
DH5	Ant1	2441	2.66	≤ 20.97	PASS
DH5	Ant1	2480	2.38	≤ 20.97	PASS
2DH5	Ant1	2402	3.61	≤ 20.97	PASS
2DH5	Ant1	2441	3.16	≤ 20.97	PASS
2DH5	Ant1	2480	2.90	≤ 20.97	PASS
3DH5	Ant1	2402	3.26	≤ 20.97	PASS
3DH5	Ant1	2441	2.78	≤ 20.97	PASS
3DH5	Ant1	2480	2.50	≤ 20.97	PASS

Test Graphs





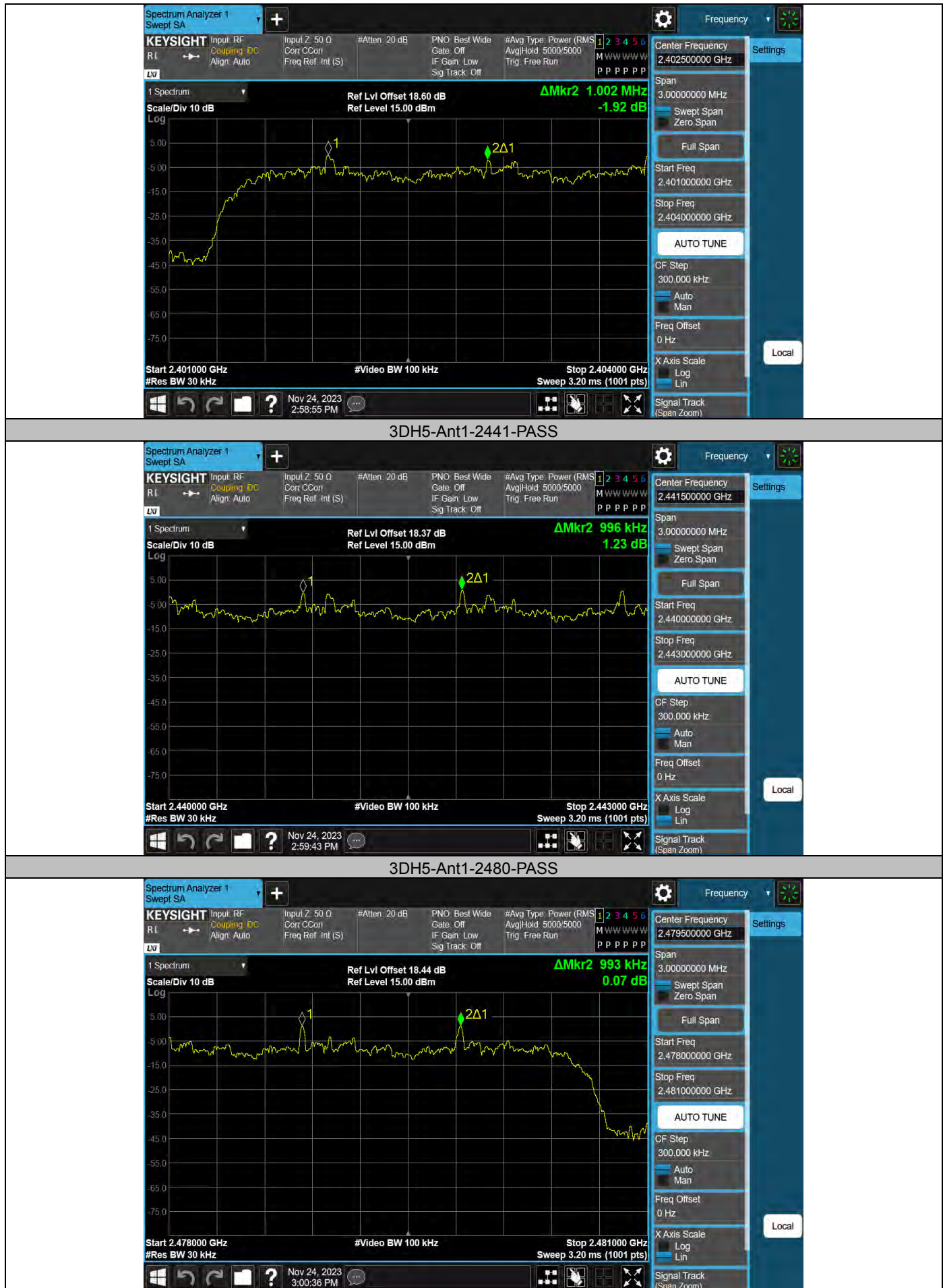


Appendix C: Carrier frequency separation Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.008	≥ 0.954	PASS
DH5	Ant1	2441	0.867	≥ 0.636	PASS
DH5	Ant1	2480	1.149	≥ 0.954	PASS
2DH5	Ant1	2402	1.035	≥ 0.886	PASS
2DH5	Ant1	2441	0.996	≥ 0.886	PASS
2DH5	Ant1	2480	1.002	≥ 0.886	PASS
3DH5	Ant1	2402	1.002	≥ 0.898	PASS
3DH5	Ant1	2441	0.996	≥ 0.898	PASS
3DH5	Ant1	2480	0.993	≥ 0.898	PASS





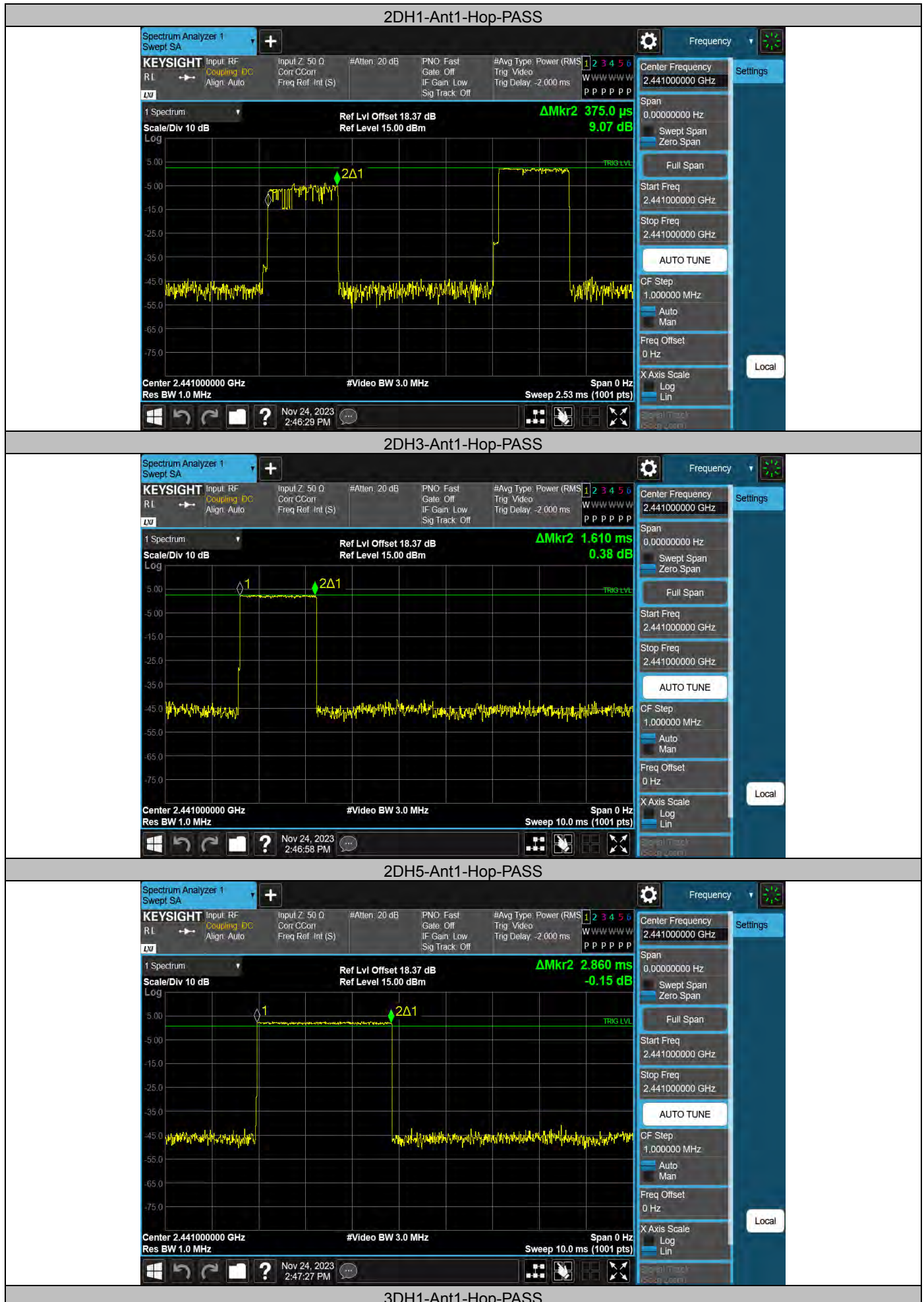


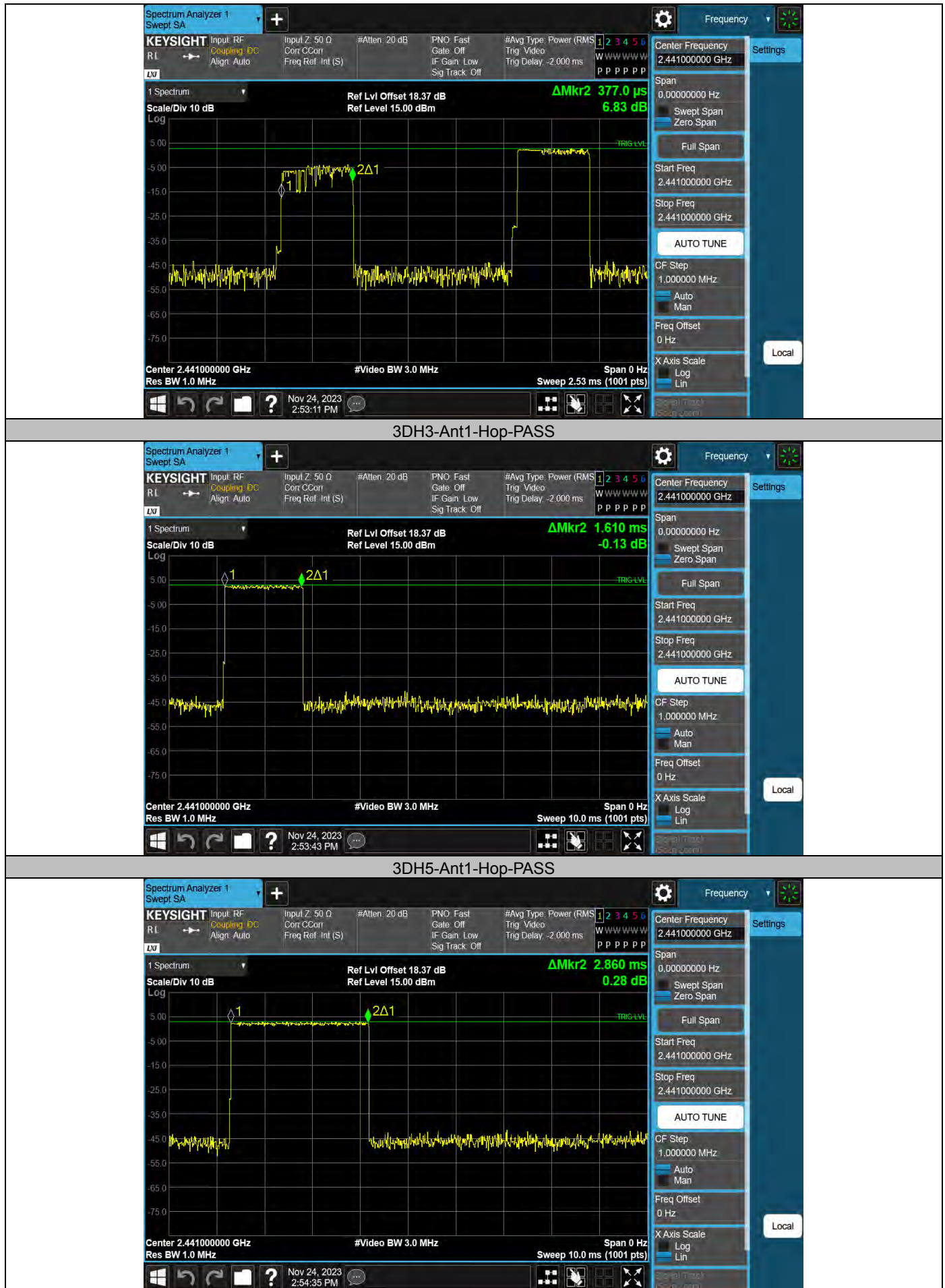
Appendix D: Time of occupancy Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [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	0.375	320	0.12	≤0.4	PASS
2DH3	Ant1	Hop	1.610	160	0.258	≤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 E: Number of hopping channels
Test Result

TestMode	Antenna	Frequency[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

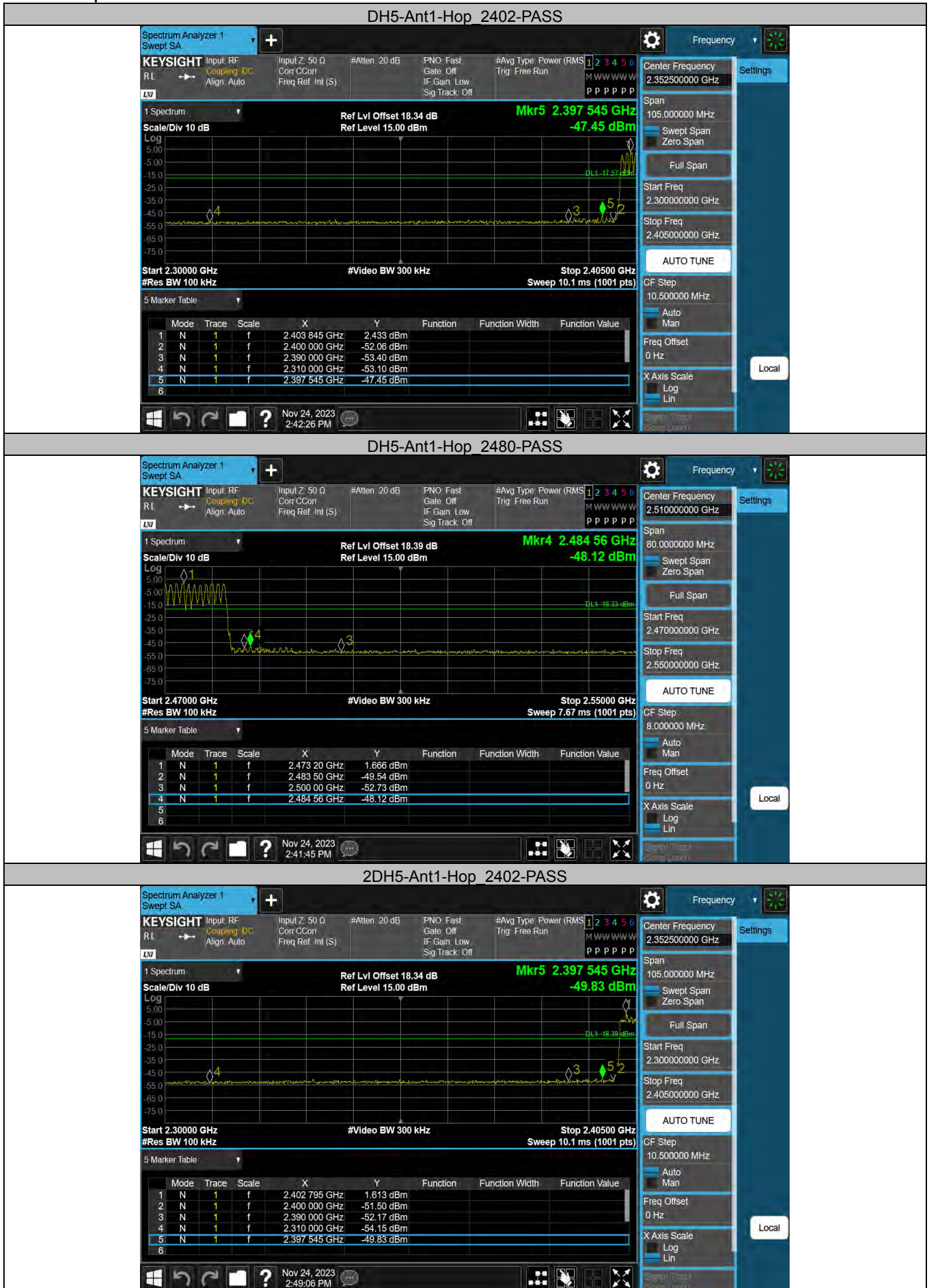


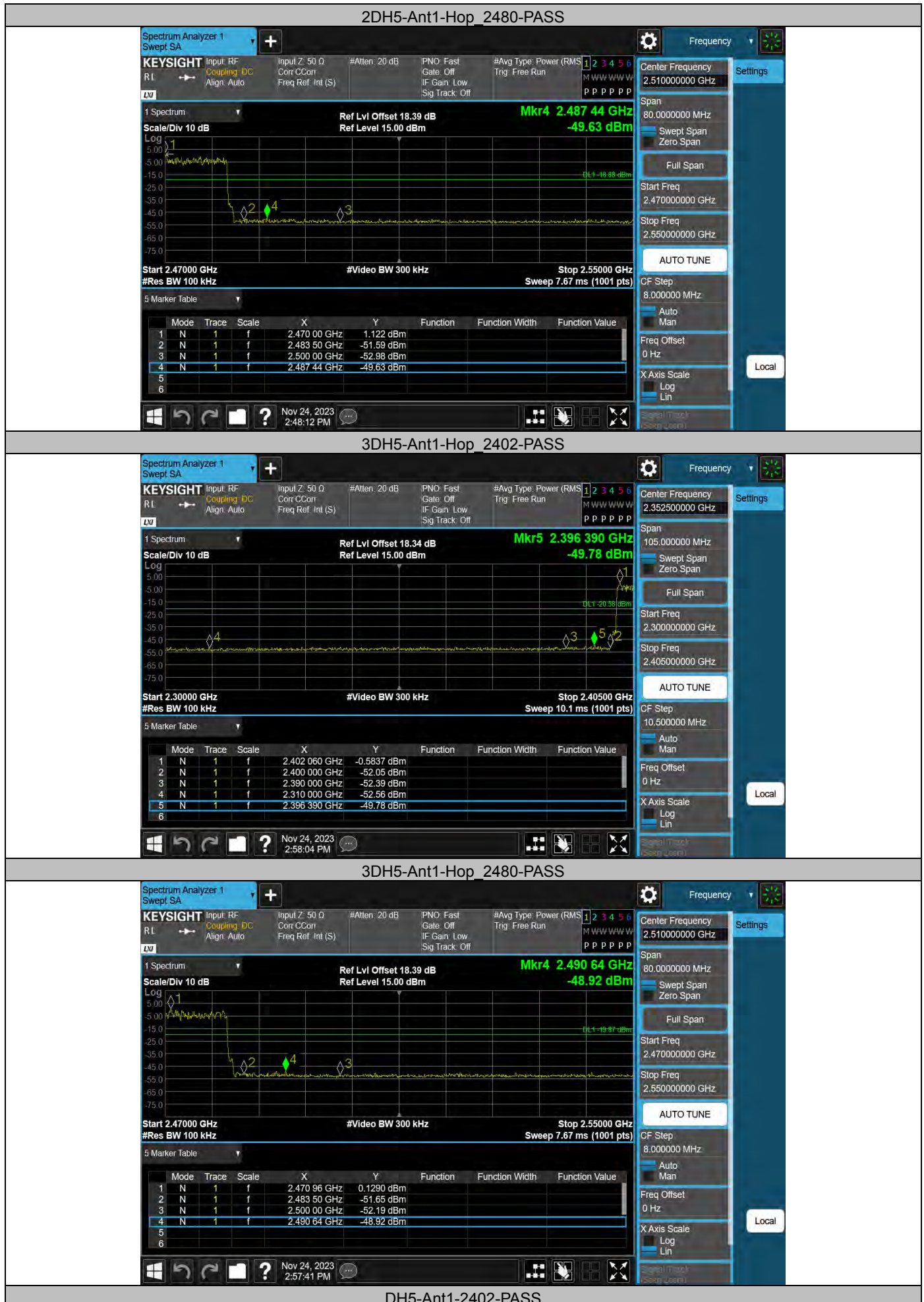
Appendix F: Band edge measurements

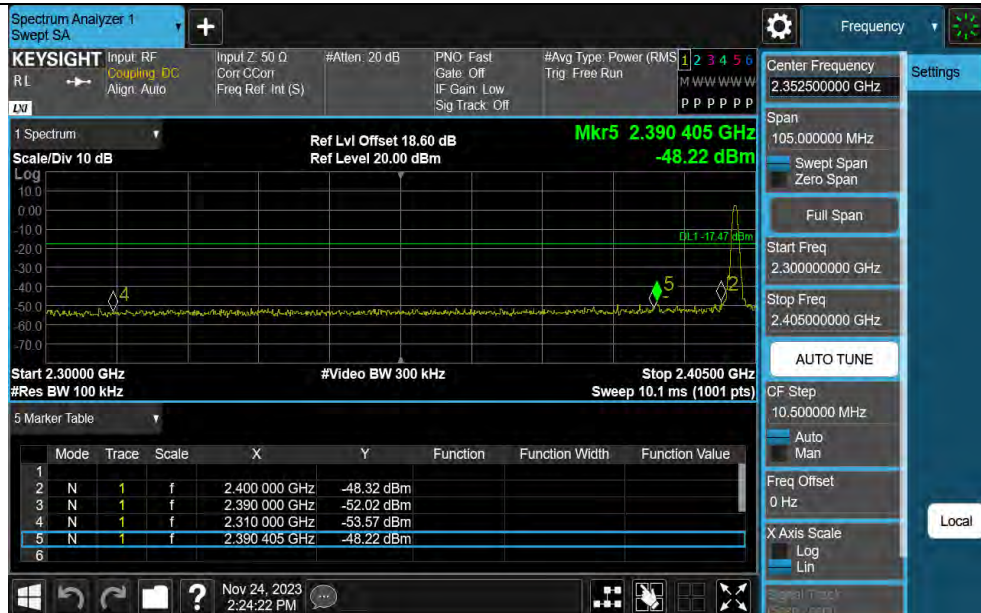
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	Hop_ 2402	2.43	-47.45	≤-17.57	PASS
DH5	Ant1	High	Hop_ 2480	1.67	-48.12	≤-18.33	PASS
2DH5	Ant1	Low	Hop_ 2402	1.61	-49.83	≤-18.39	PASS
2DH5	Ant1	High	Hop_ 2480	1.12	-49.63	≤-18.88	PASS
3DH5	Ant1	Low	Hop_ 2402	-0.58	-49.78	≤-20.58	PASS
3DH5	Ant1	High	Hop_ 2480	0.13	-48.92	≤-19.87	PASS
DH5	Ant1	Low	2402	2.53	-48.22	≤-17.47	PASS
DH5	Ant1	High	2480	1.75	-46.68	≤-18.25	PASS
2DH5	Ant1	Low	2402	1.24	-49.26	≤-18.76	PASS
2DH5	Ant1	High	2480	0.97	-48.66	≤-19.03	PASS
3DH5	Ant1	Low	2402	2.07	-48.38	≤-17.93	PASS
3DH5	Ant1	High	2480	1.74	-48.71	≤-18.26	PASS

Test Graphs



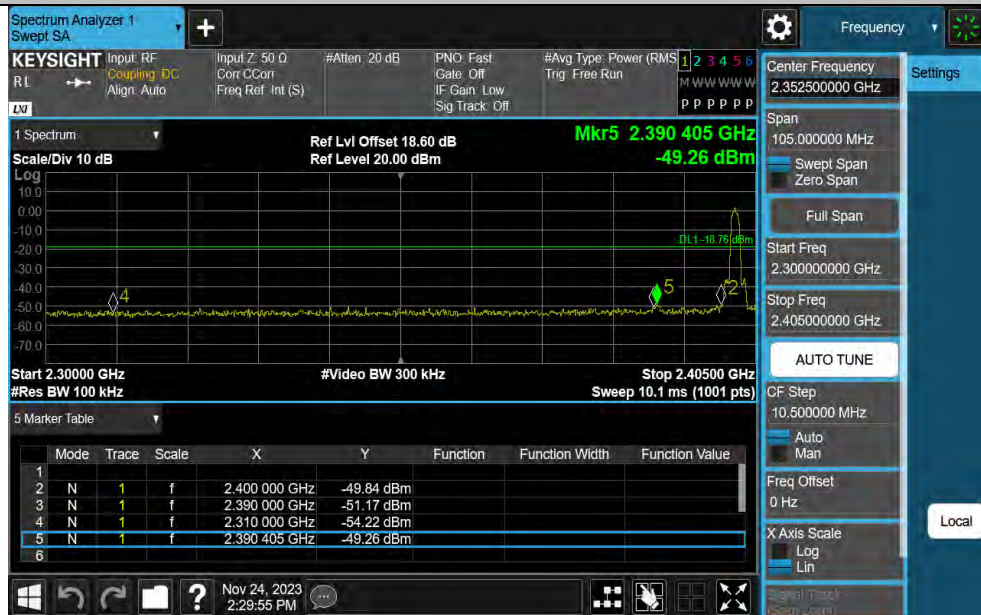




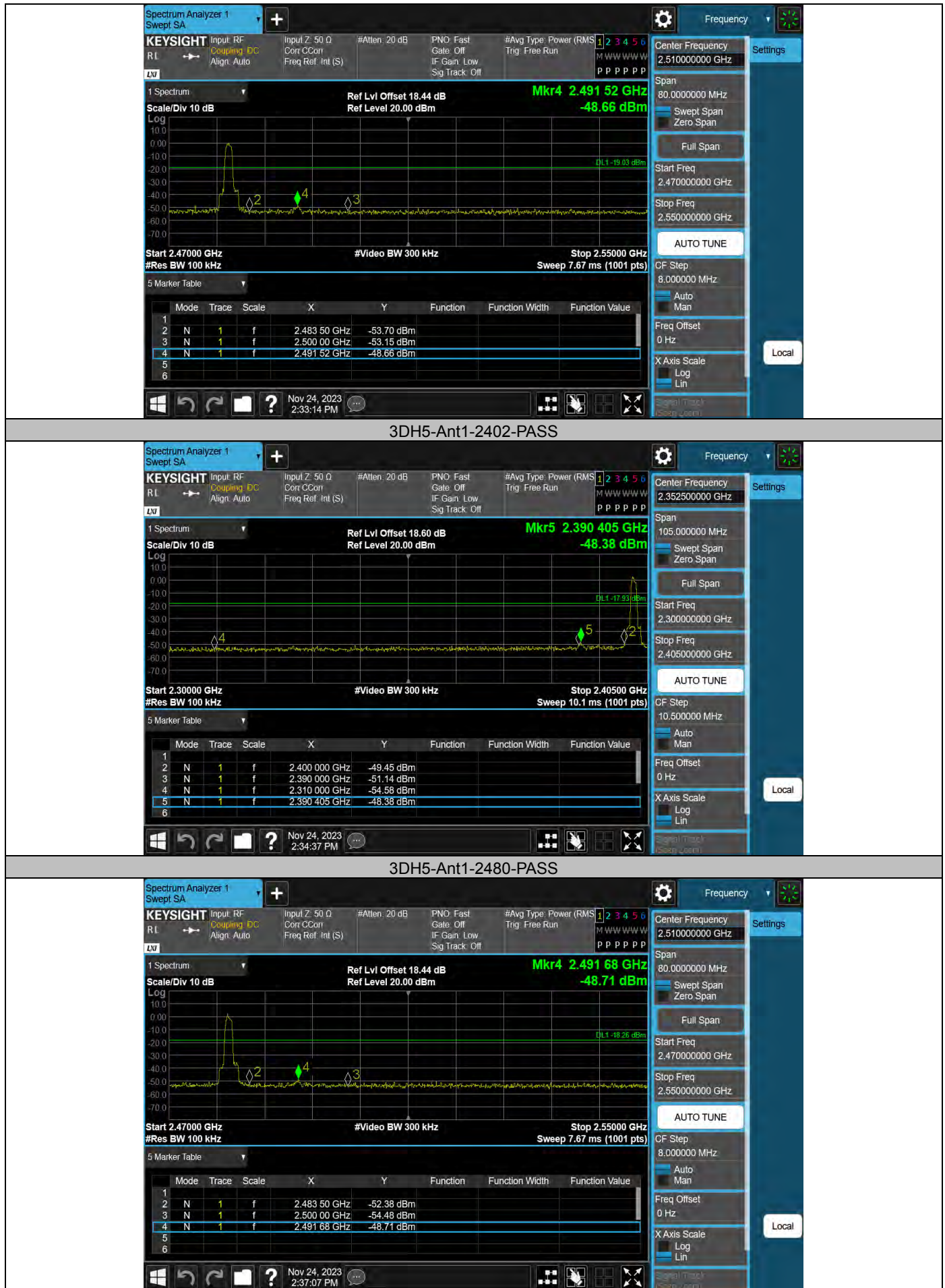
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



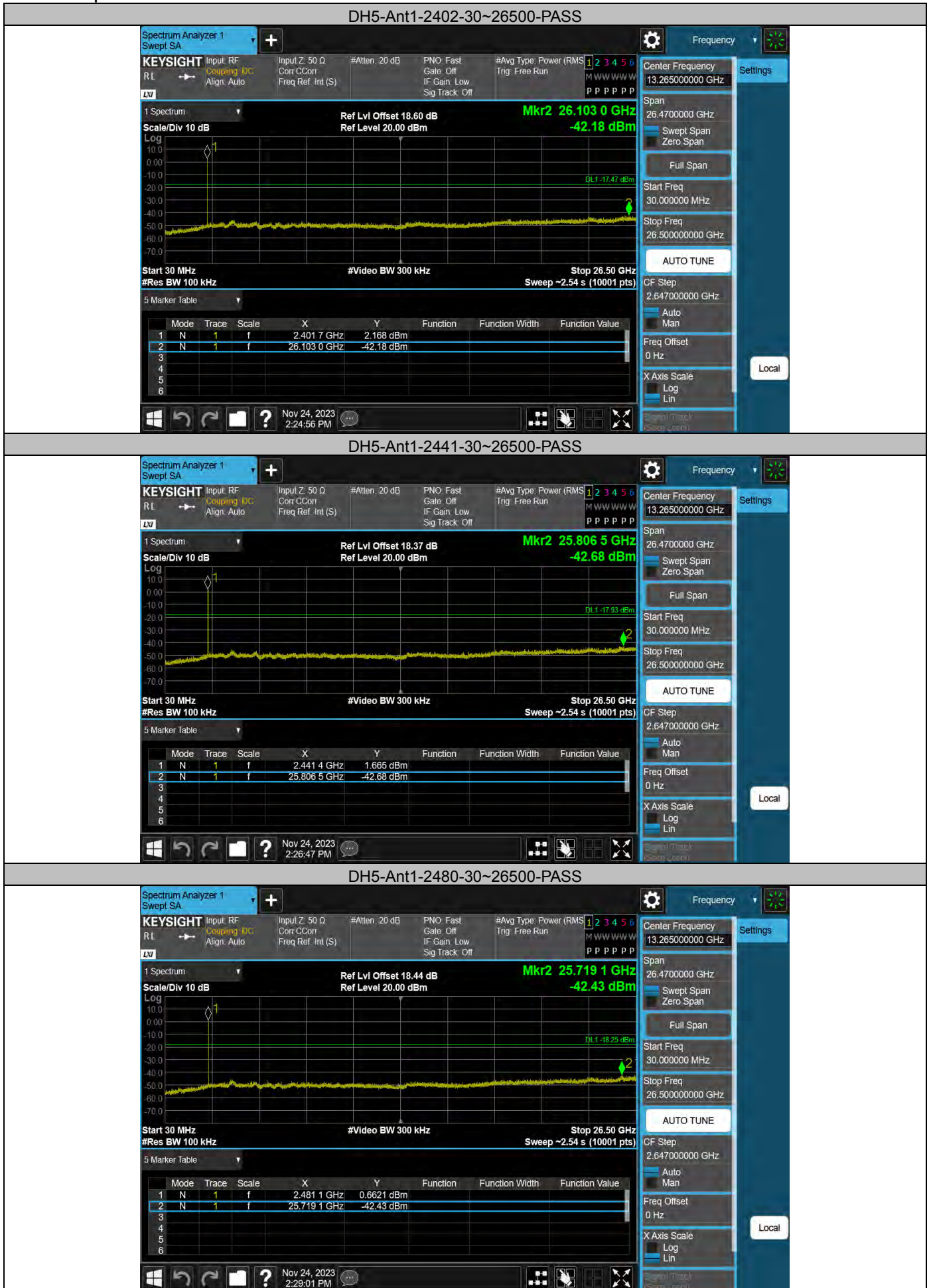
2DH5-Ant1-2480-PASS



Appendix G: Conducted Spurious Emission Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	30~26500	2.53	-42.18	≤ -17.47	PASS
DH5	Ant1	2441	30~26500	2.07	-42.68	≤ -17.93	PASS
DH5	Ant1	2480	30~26500	1.75	-42.43	≤ -18.25	PASS
2DH5	Ant1	2402	30~26500	1.24	-41.58	≤ -18.76	PASS
2DH5	Ant1	2441	30~26500	1.72	-41.59	≤ -18.28	PASS
2DH5	Ant1	2480	30~26500	0.97	-42.52	≤ -19.03	PASS
3DH5	Ant1	2402	30~26500	2.07	-42.51	≤ -17.93	PASS
3DH5	Ant1	2441	30~26500	1.97	-42.35	≤ -18.03	PASS
3DH5	Ant1	2480	30~26500	1.74	-41.88	≤ -18.26	PASS

Test Graphs



2DH5-Ant1-2402-30~26500-PASS



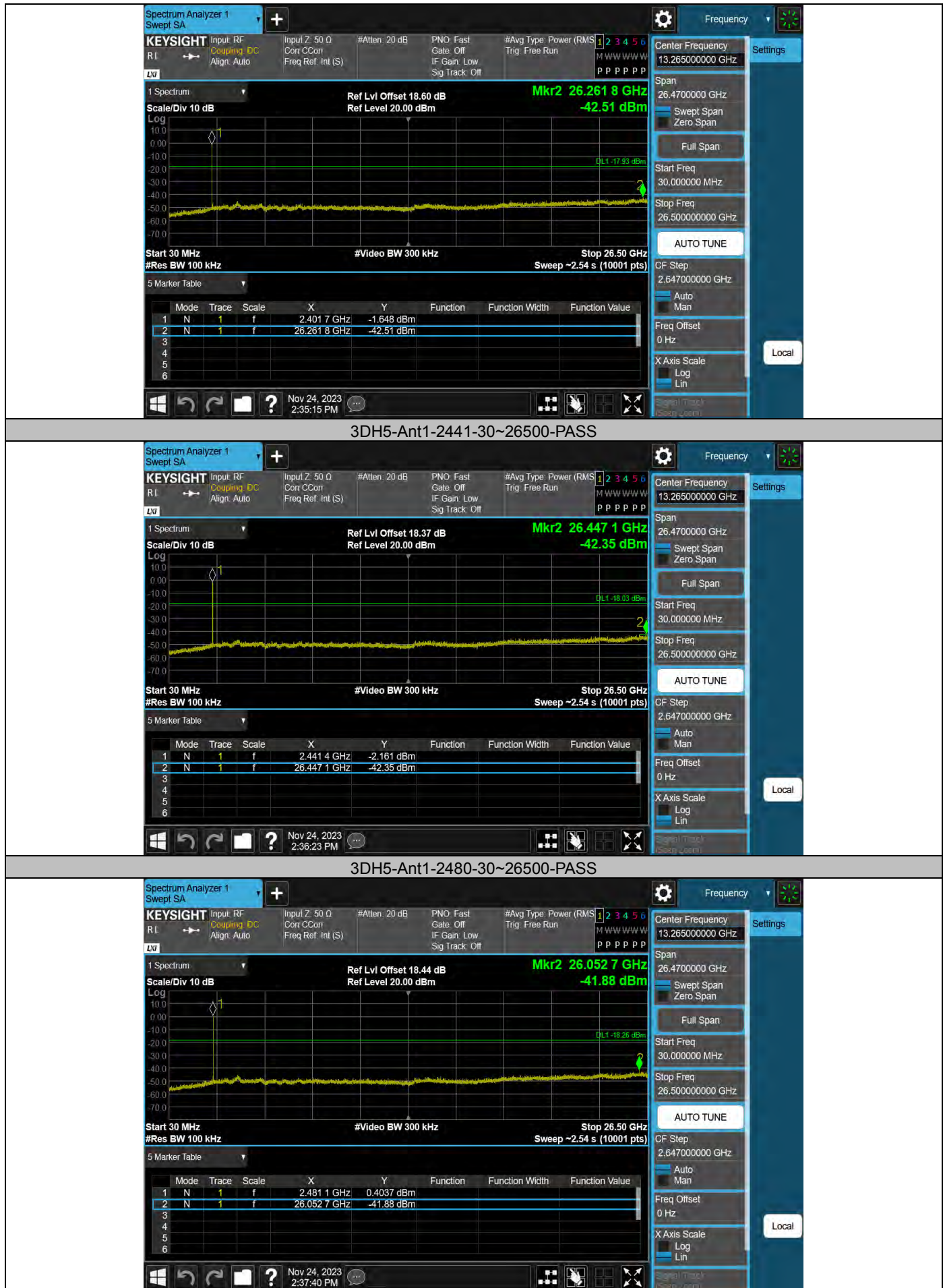
2DH5-Ant1-2441-30~26500-PASS



2DH5-Ant1-2480-30~26500-PASS



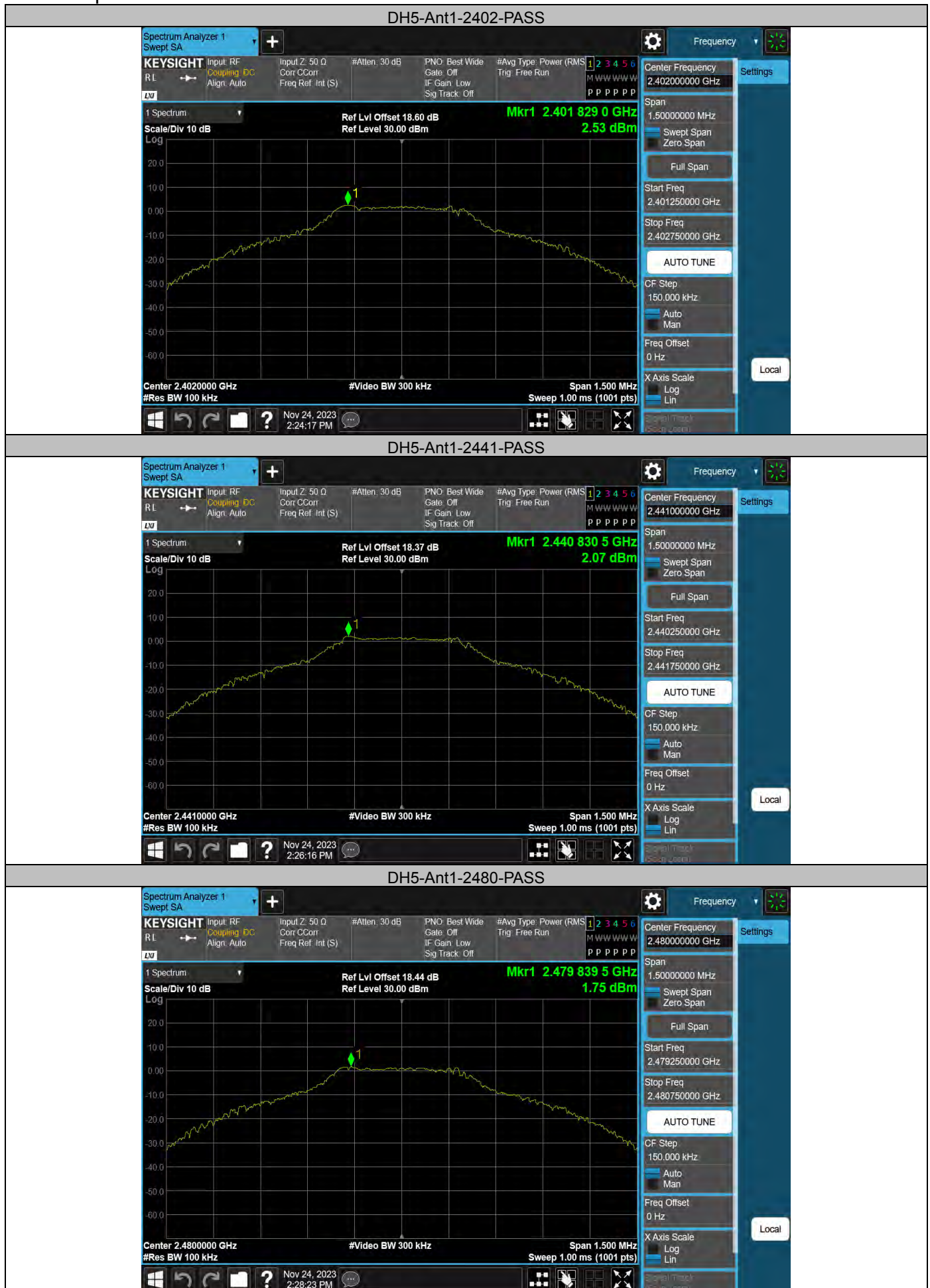
3DH5-Ant1-2402-30~26500-PASS

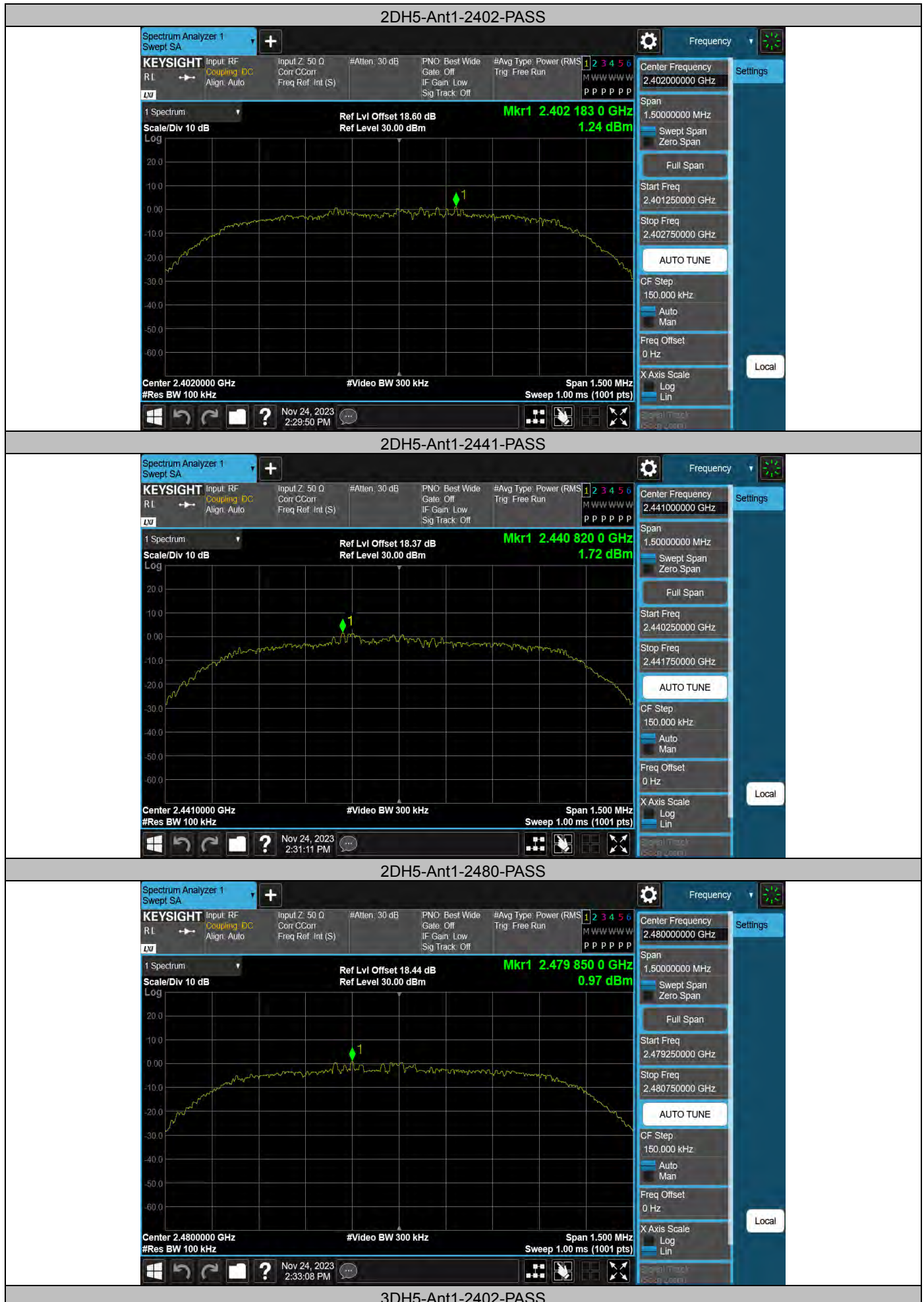


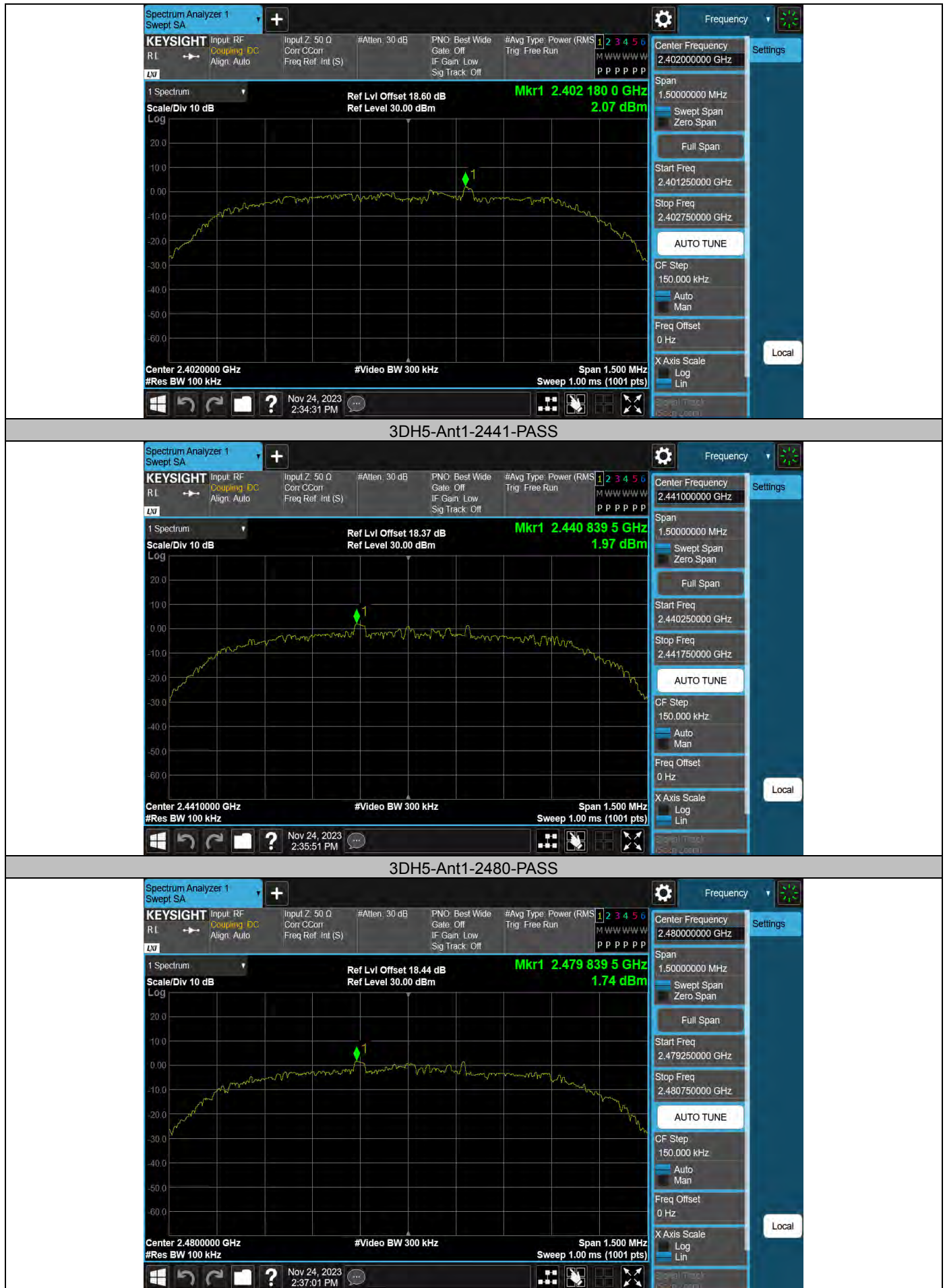
Appendix H: Reference level measurement Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
DH5	Ant1	2402	2401.83	2.53
DH5	Ant1	2441	2440.83	2.07
DH5	Ant1	2480	2479.84	1.75
2DH5	Ant1	2402	2402.18	1.24
2DH5	Ant1	2441	2440.82	1.72
2DH5	Ant1	2480	2479.85	0.97
3DH5	Ant1	2402	2402.18	2.07
3DH5	Ant1	2441	2440.84	1.97
3DH5	Ant1	2480	2479.84	1.74

Test Graphs





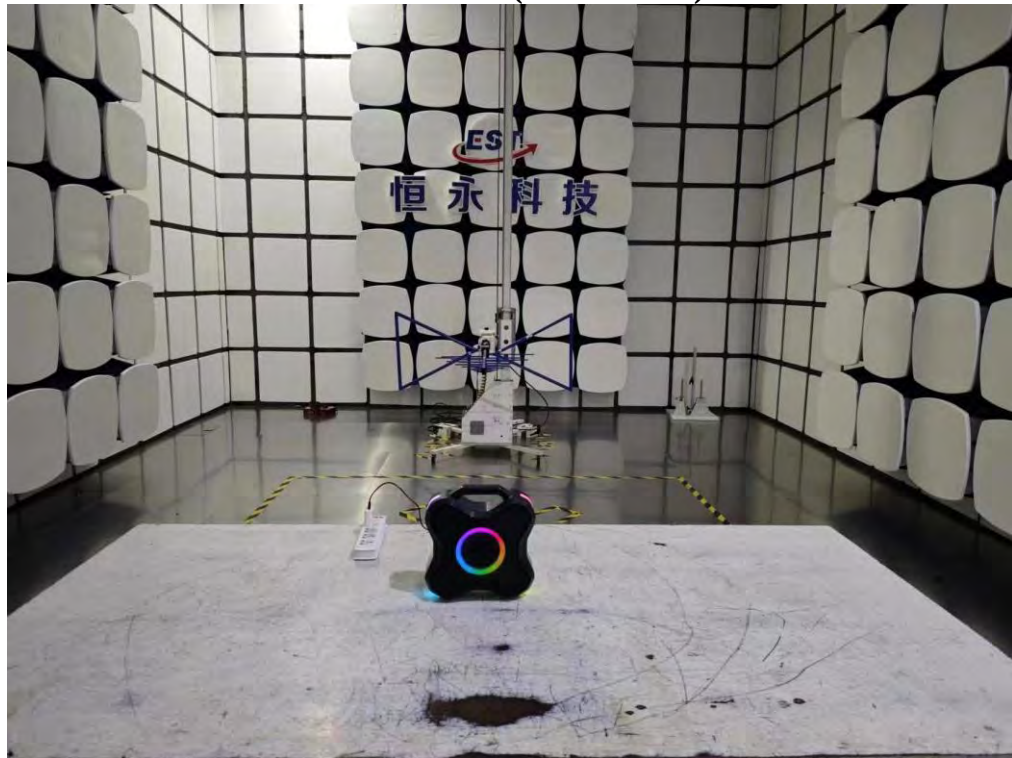


14. TEST SETUP PHOTO

Conducted Test



Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)



15. EUT PHOTO

External Photos
M/N: Aquaboom X



External Photos
M/N: Aquaboom X



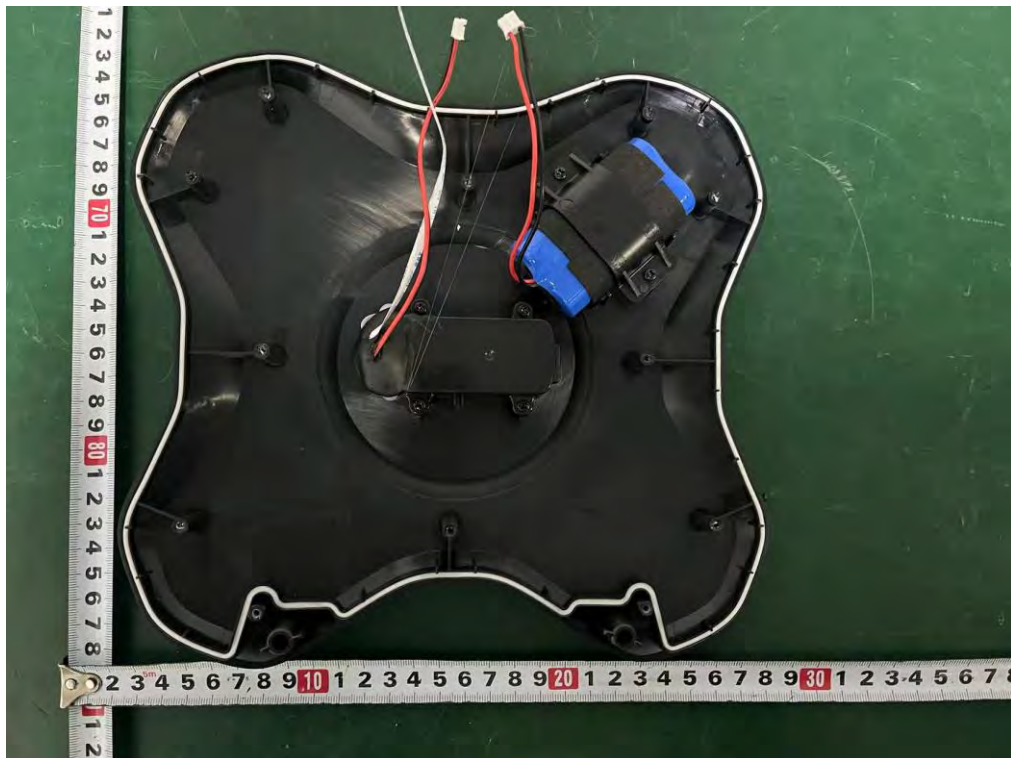
External Photos
M/N: Aquaboom X



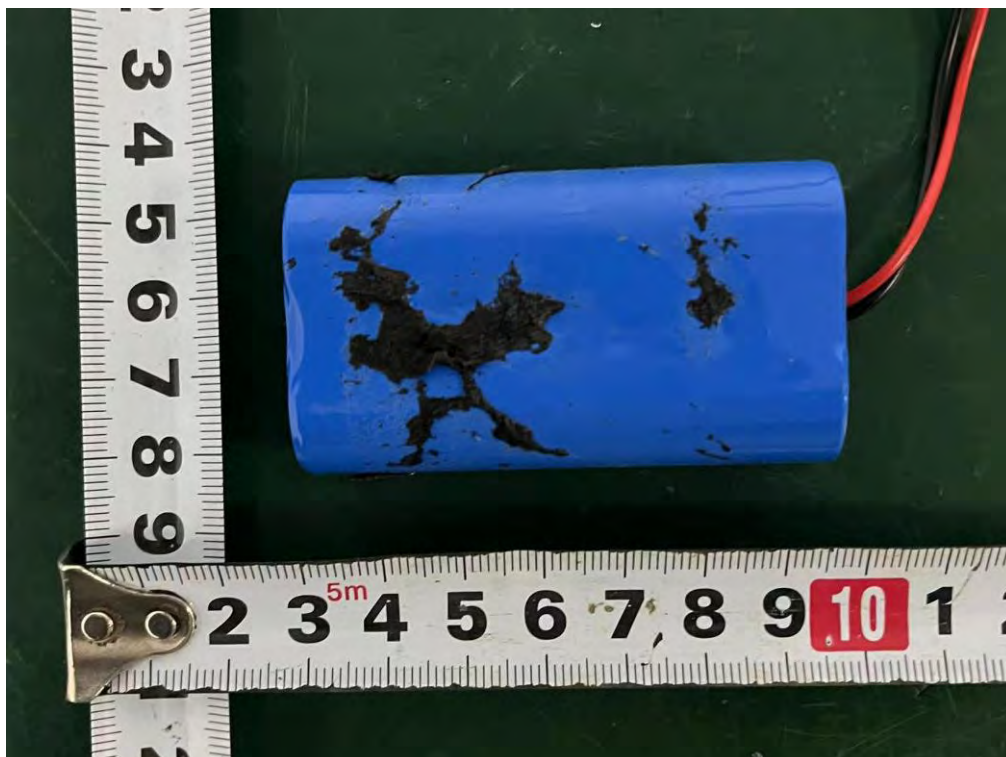
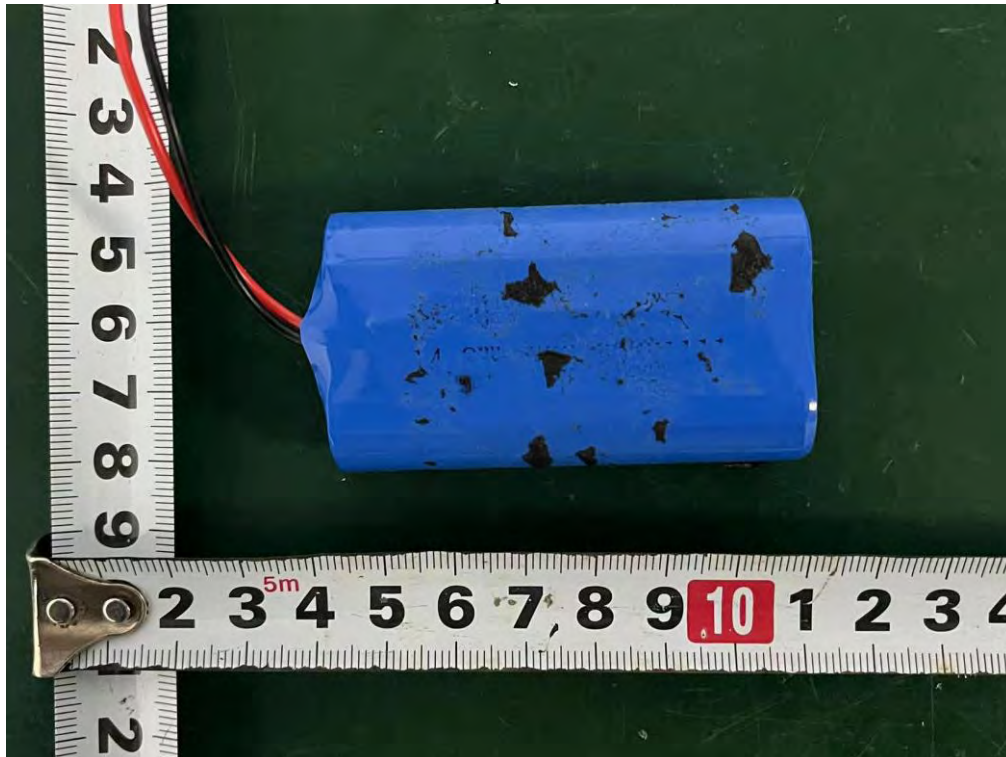
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M/N: Aquaboom X



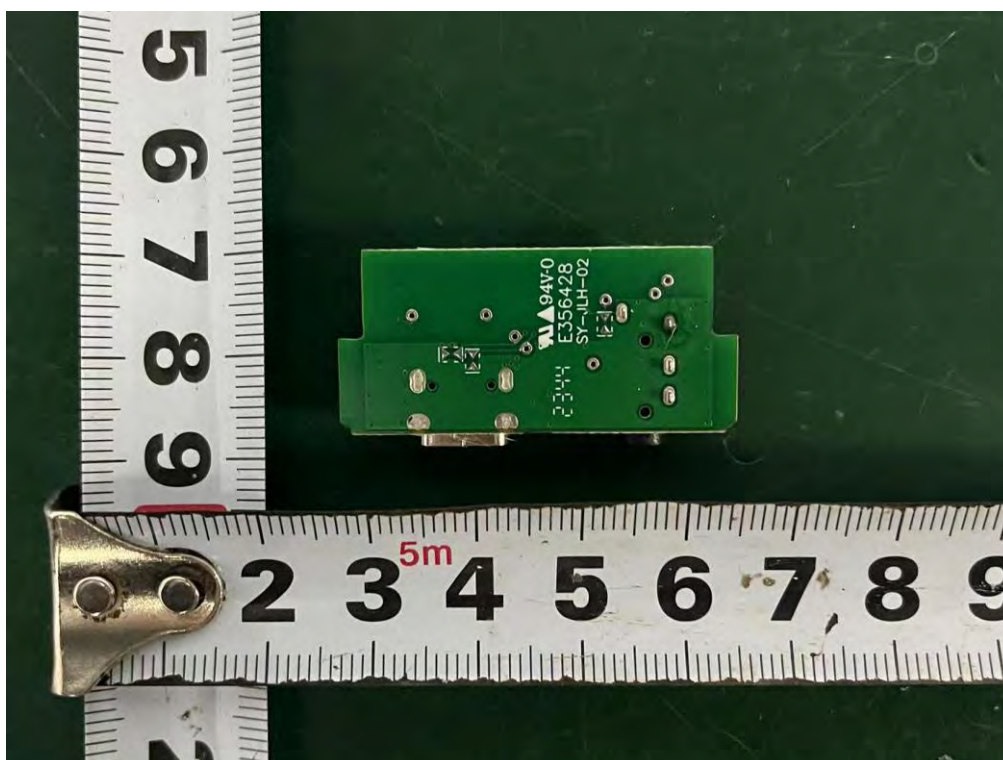
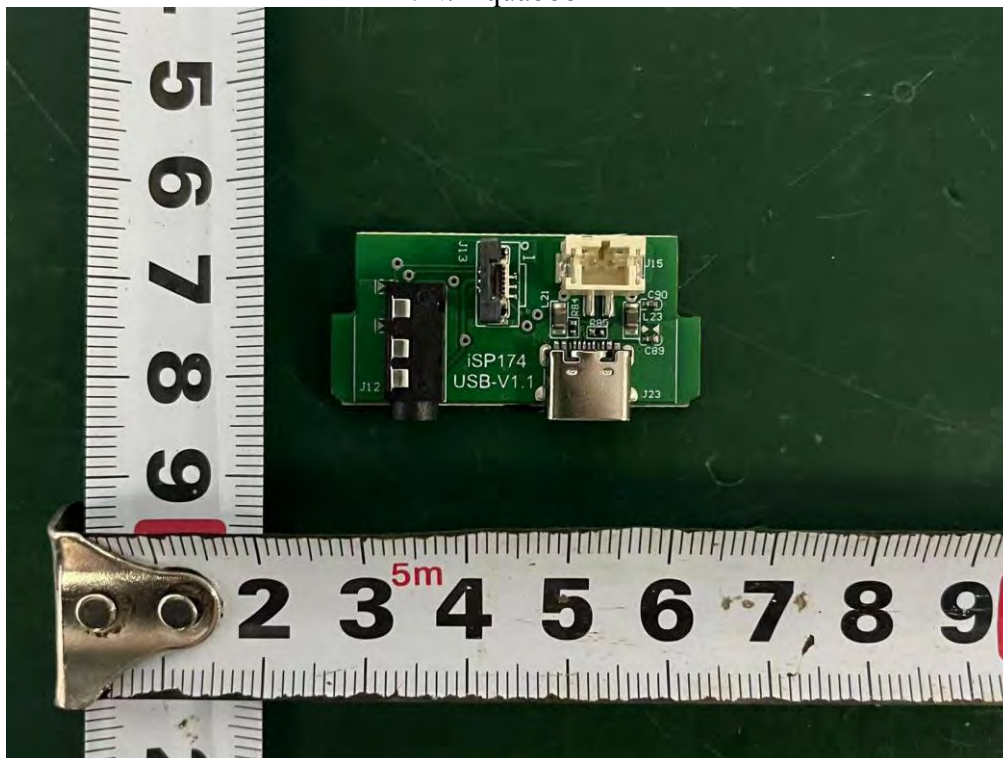
Internal Photos
M/N: Aquaboom X



Internal Photos
M/N: Aquaboom X



Internal Photos
M/N: Aquaboom X



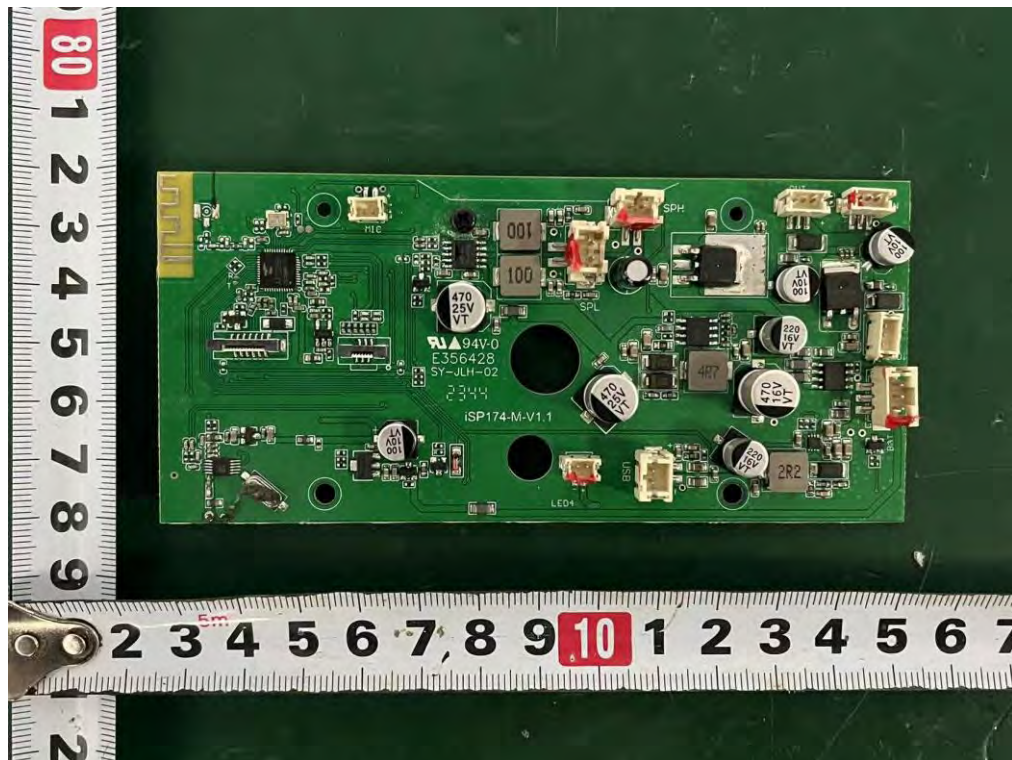
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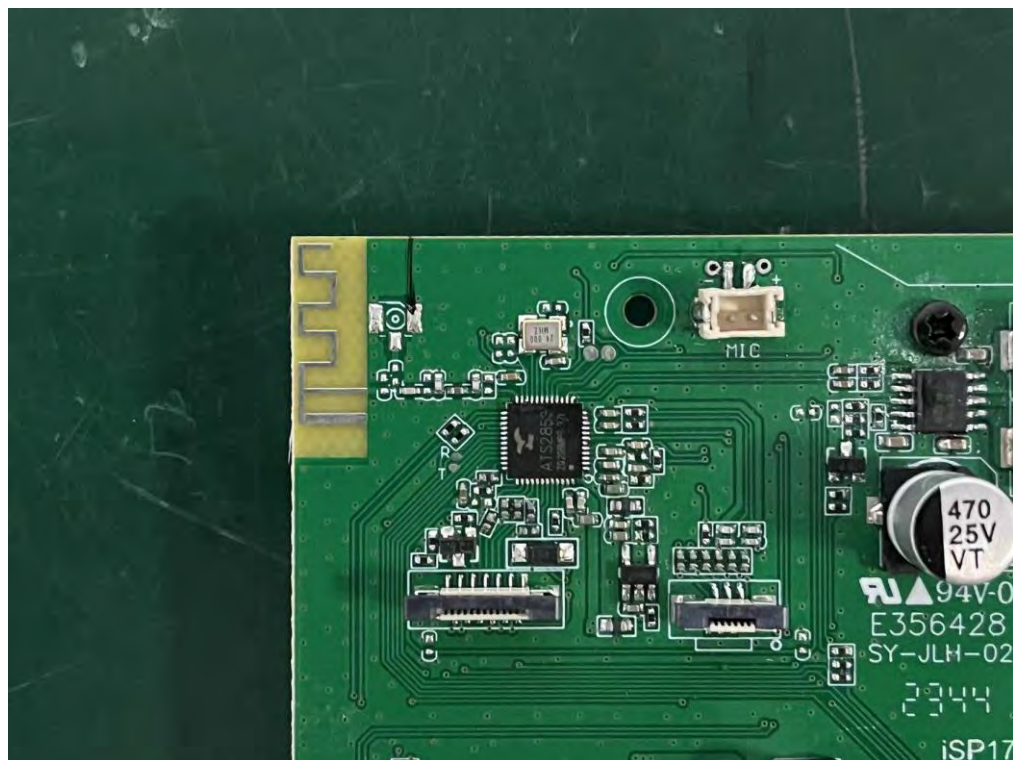
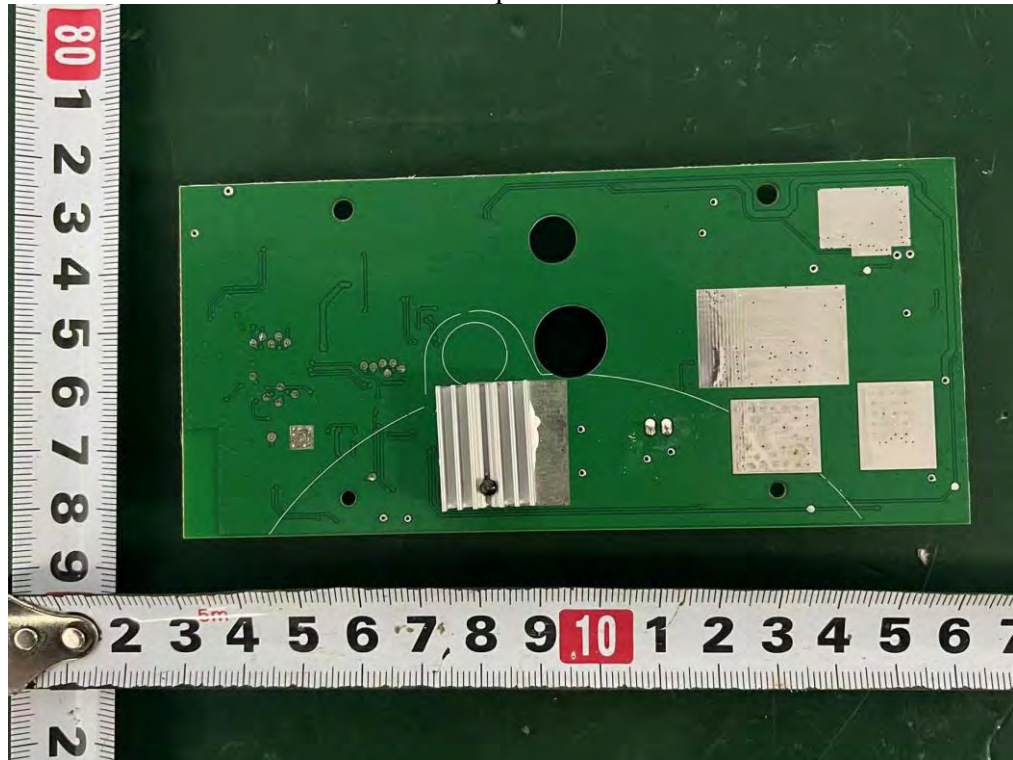
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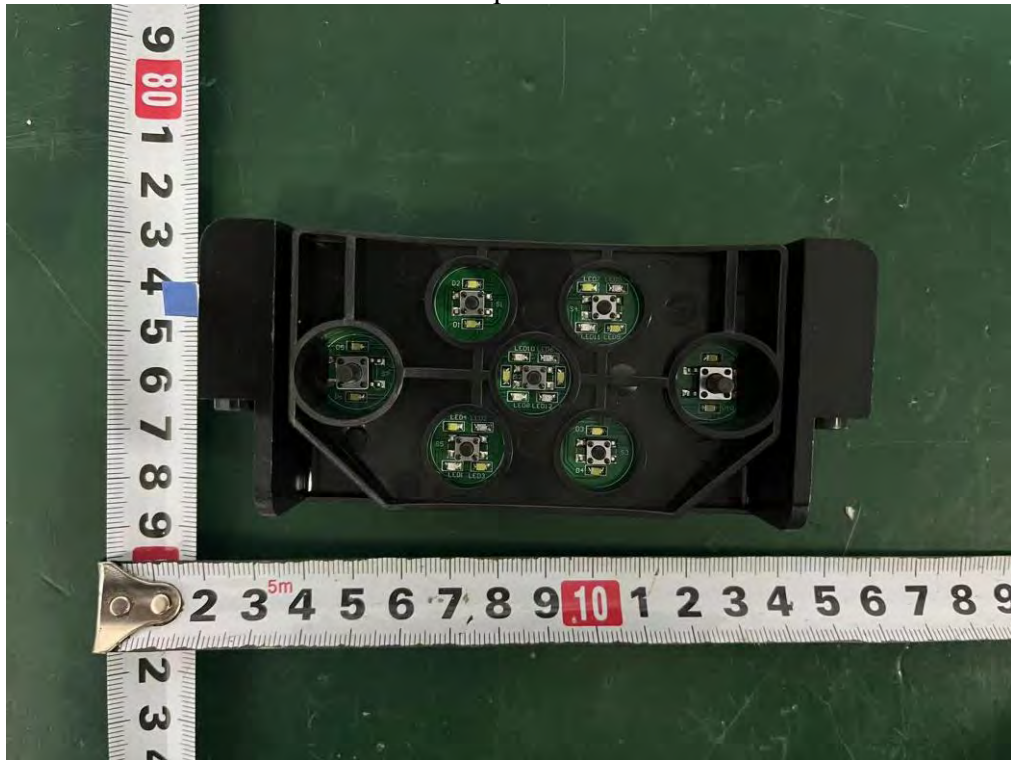
Internal Photos
M/N: Aquaboom X



Internal Photos
M/N: Aquaboom X



Internal Photos
M/N: Aquaboom X



Internal Photos
M/N: Aquaboom X



End of Test Report