

Appendix E: Reference level measurement Test Result

Test Mode	Antenna	Freq (MHz)	Max.Point [MHz]	Result [dBm]
11B	Ant1	2412	2412.49	9.03
		2437	2437.47	8.77
		2462	2461.48	9.34
11G	Ant1	2412	2415.72	4.62
		2437	2438.22	4.30
		2462	2463.22	4.61
11N20SISO	Ant1	2412	2411.96	7.96
		2437	2437.00	7.71
		2462	2462.00	8.05

Test Graphs





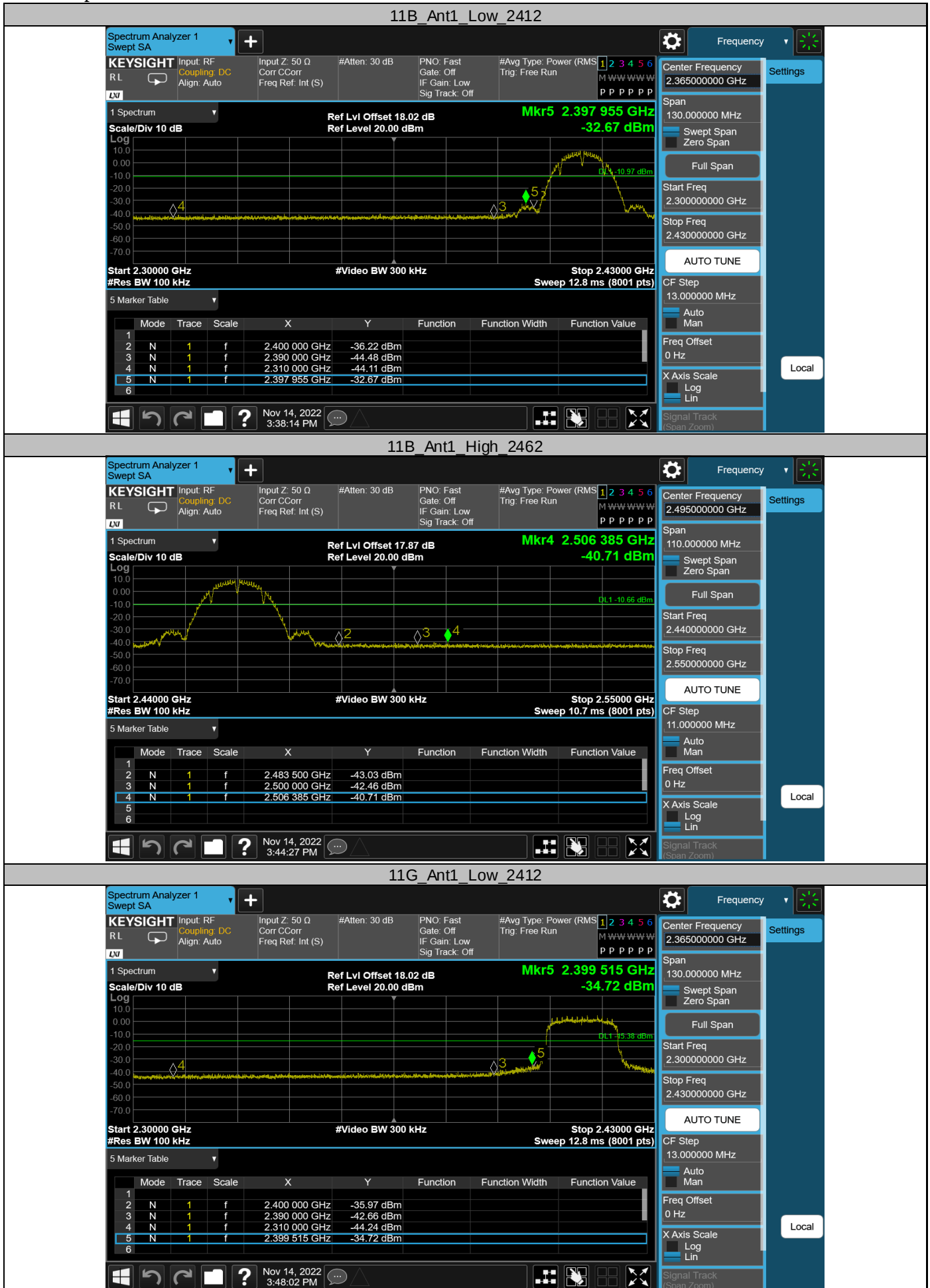


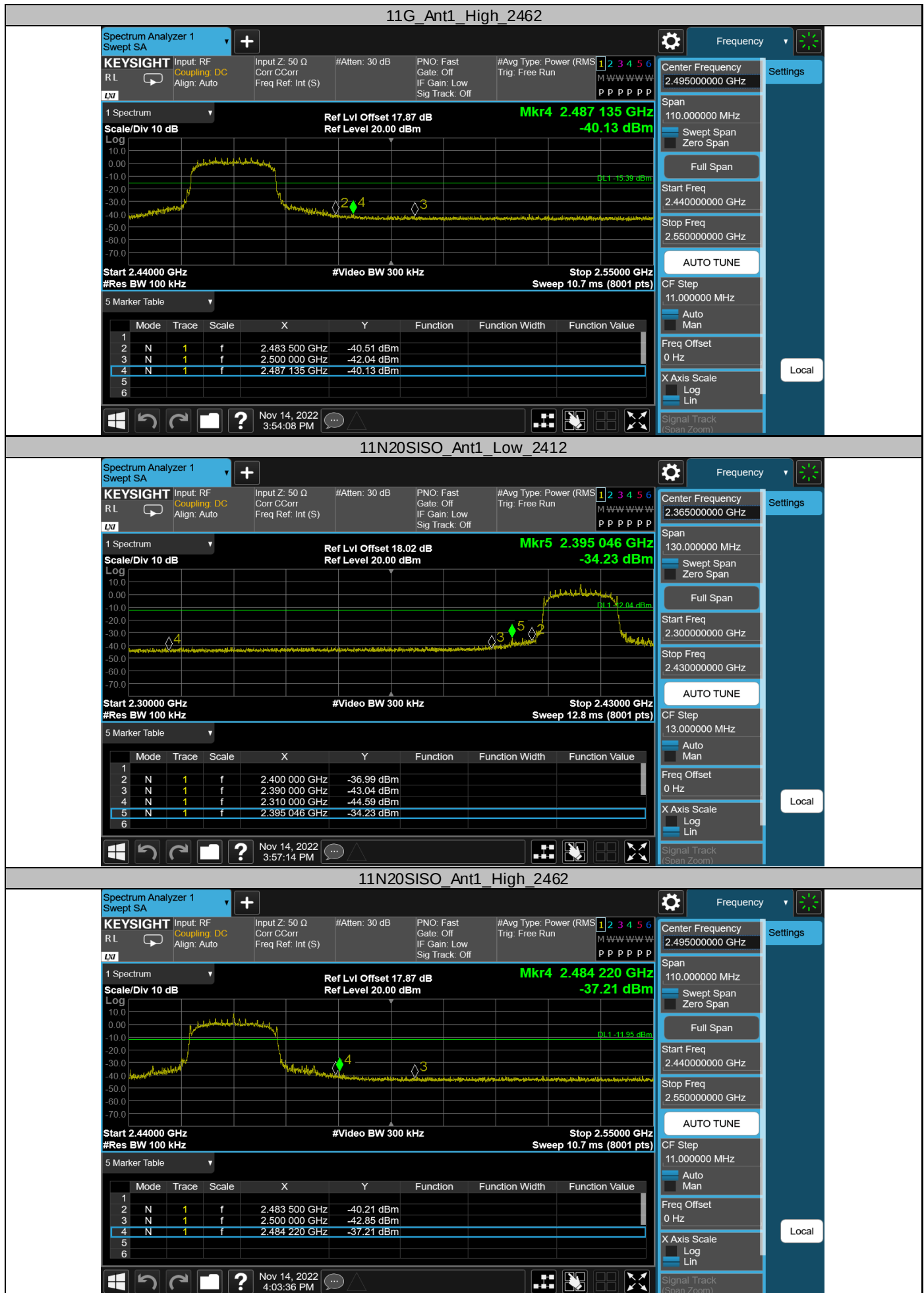
Appendix F: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	9.03	-32.67	≤ -10.97	PASS
		High	2462	9.34	-40.71	≤ -10.66	PASS
11G	Ant1	Low	2412	4.62	-34.72	≤ -15.38	PASS
		High	2462	4.61	-40.13	≤ -15.39	PASS
11N20SISO	Ant1	Low	2412	7.96	-34.23	≤ -12.04	PASS
		High	2462	8.05	-37.21	≤ -11.95	PASS

Test Graphs

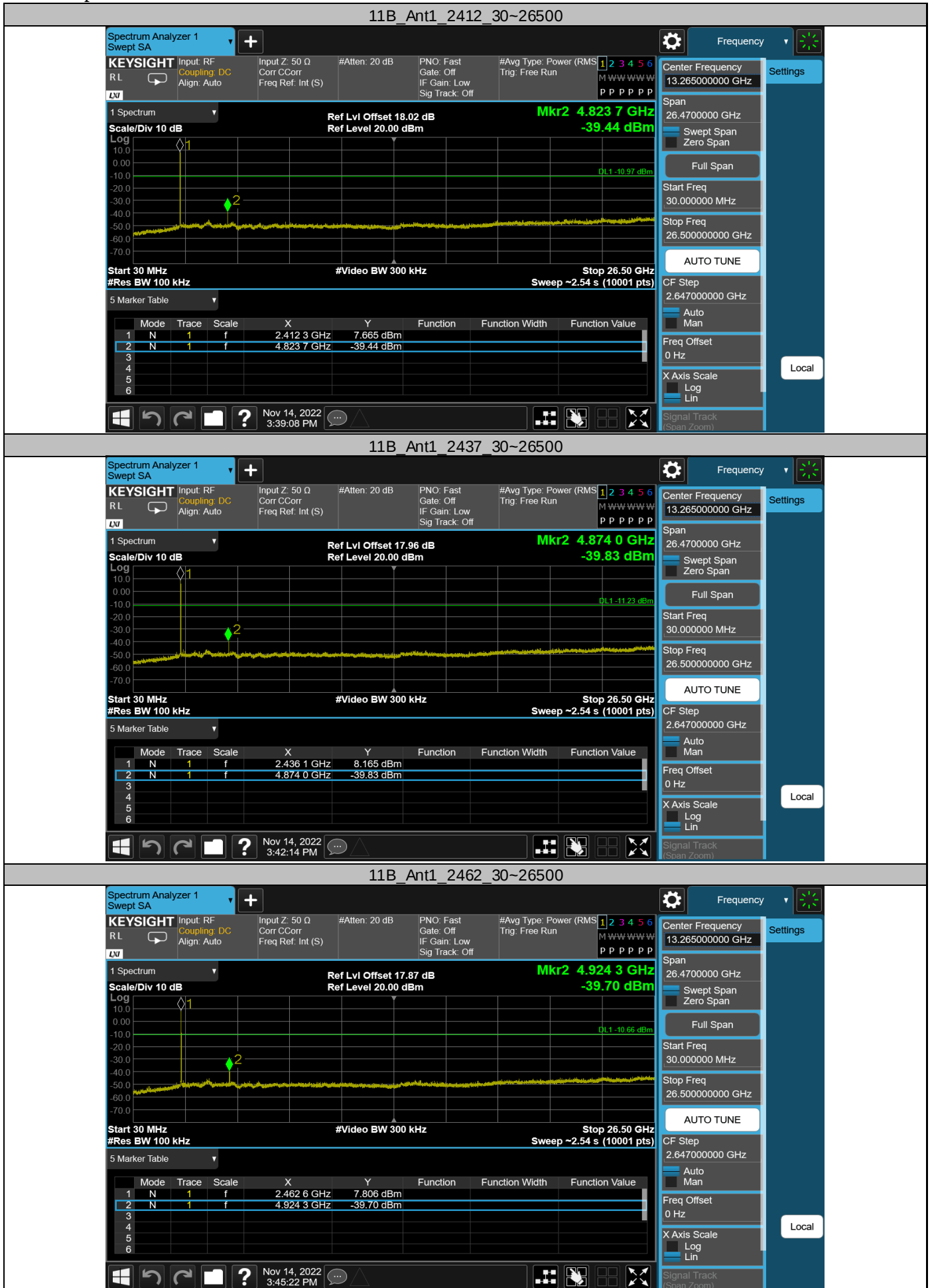


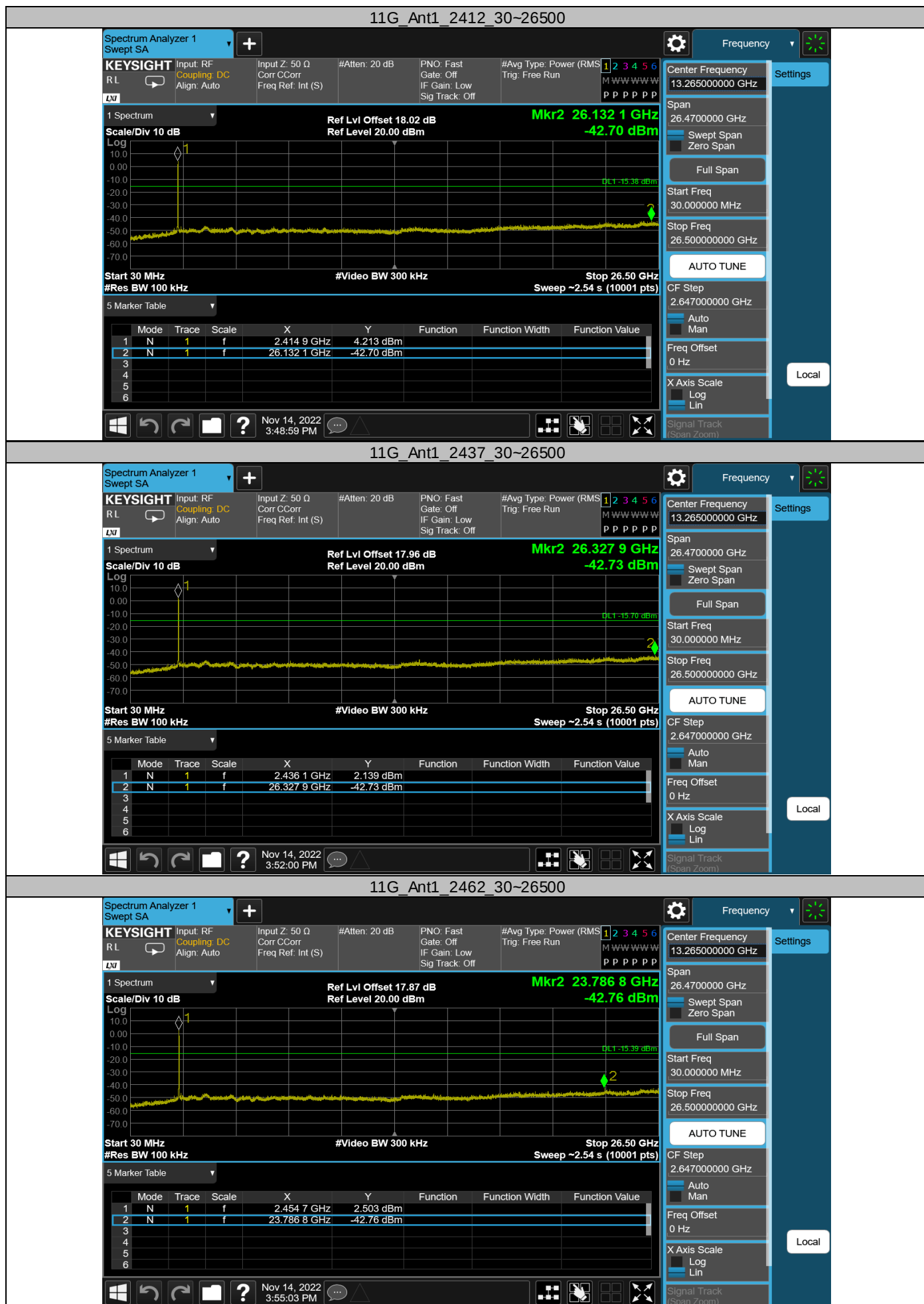


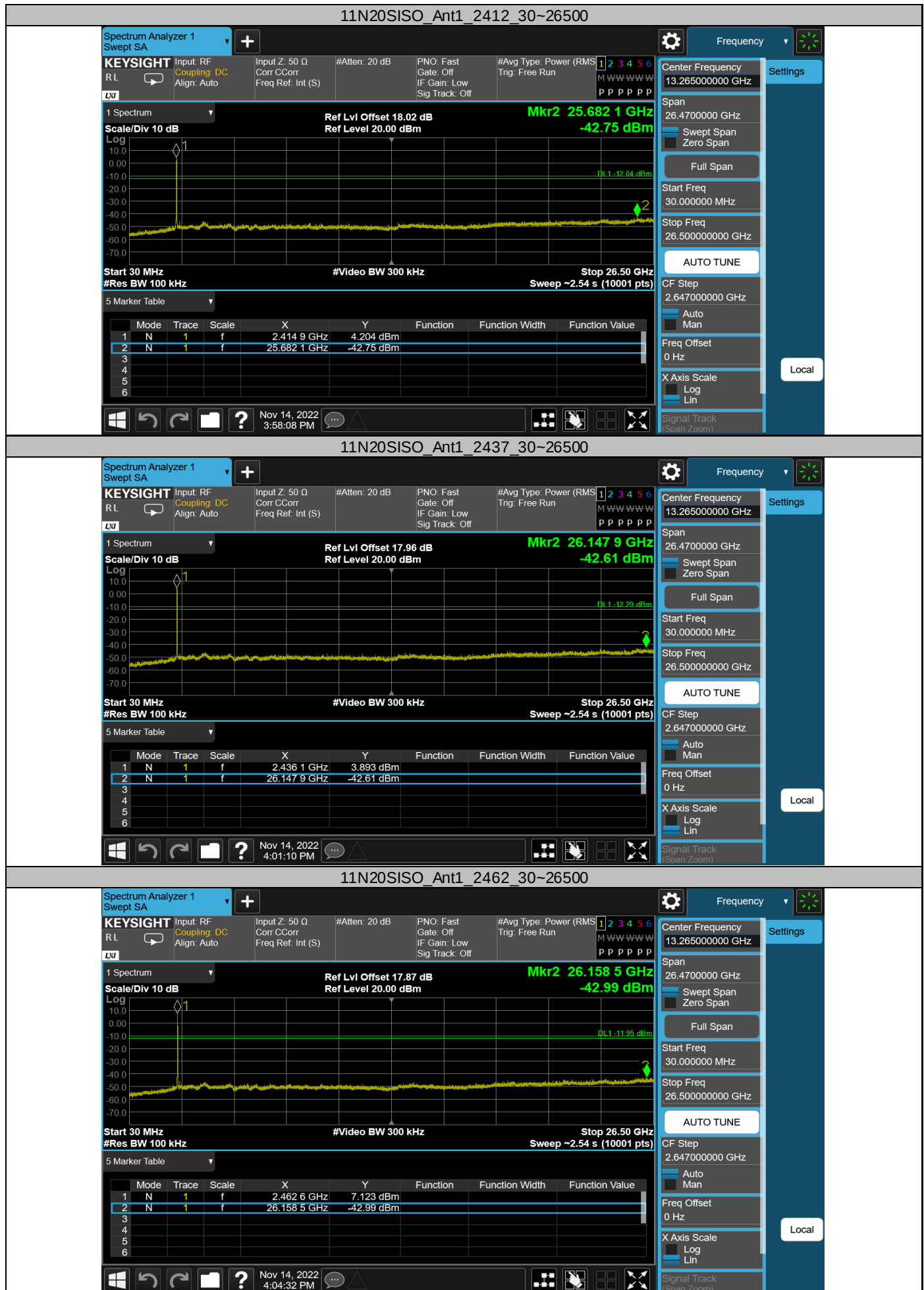
Appendix G: Conducted Spurious Emission Test Result

Test Mode	Antenna	Frequency [MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~26500	9.03	-39.44	≤ -10.97	PASS
		2437	30~26500	8.77	-39.83	≤ -11.23	PASS
		2462	30~26500	9.34	-39.7	≤ -10.66	PASS
11G	Ant1	2412	30~26500	4.62	-42.7	≤ -15.38	PASS
		2437	30~26500	4.30	-42.73	≤ -15.7	PASS
		2462	30~26500	4.61	-42.76	≤ -15.39	PASS
11N20SISO	Ant1	2412	30~26500	7.96	-42.75	≤ -12.04	PASS
		2437	30~26500	7.71	-42.61	≤ -12.29	PASS
		2462	30~26500	8.05	-42.99	≤ -11.95	PASS

Test Graphs

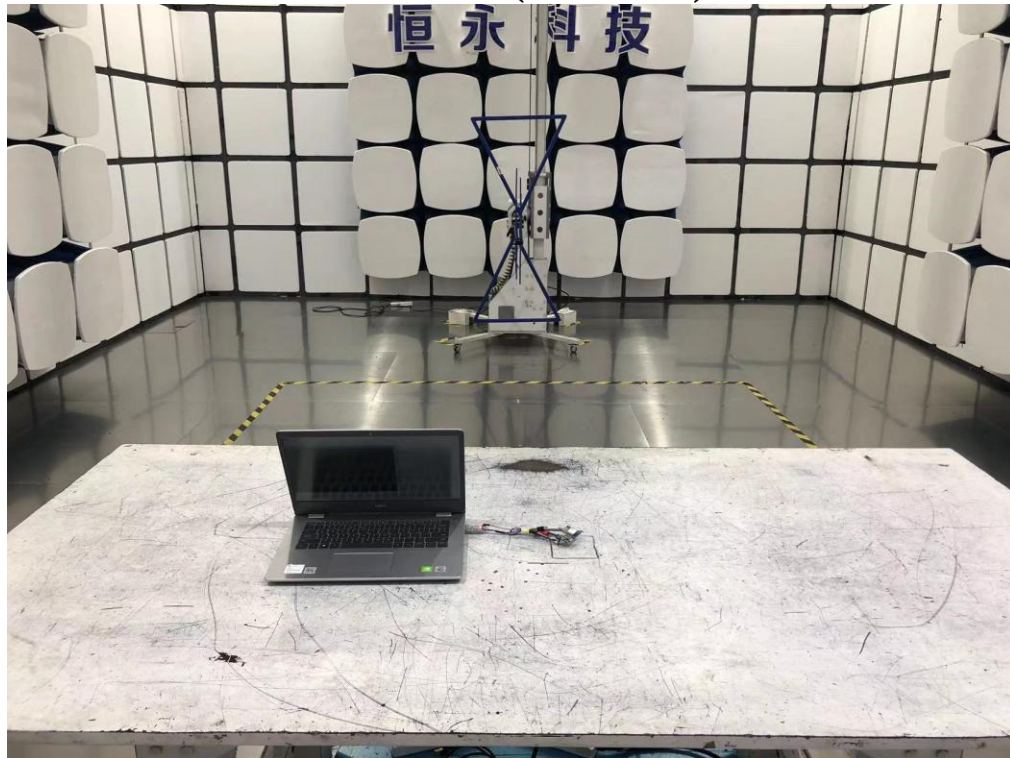




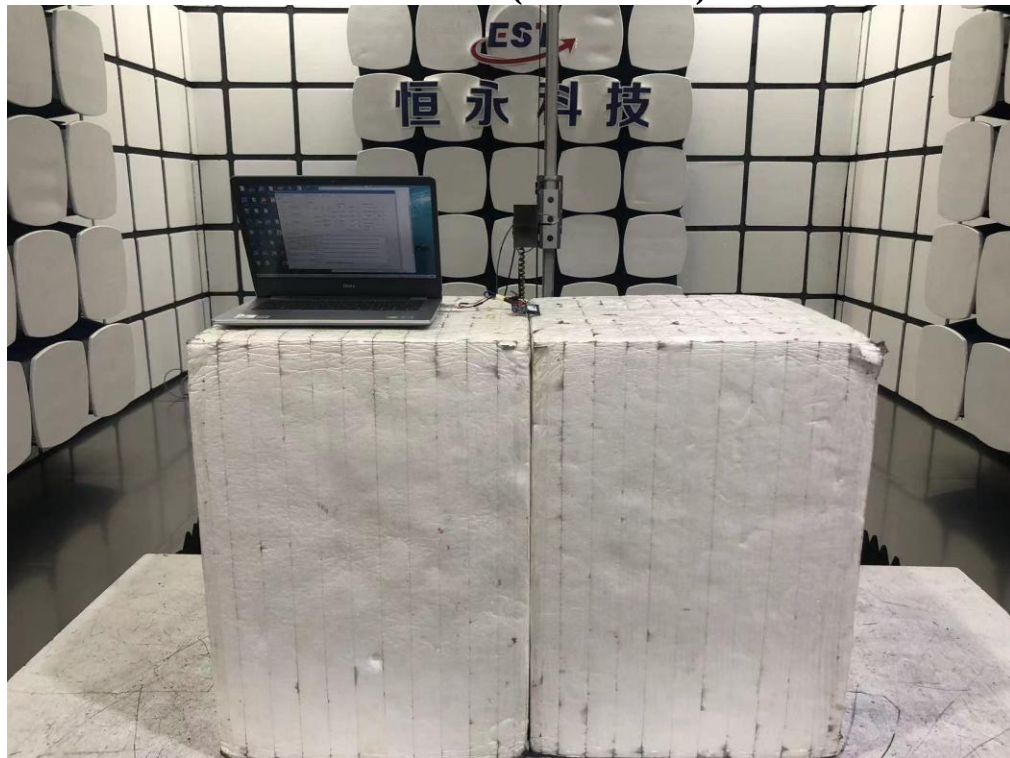


11. TEST SETUP PHOTO

Radiated Test (Below 1GHz)

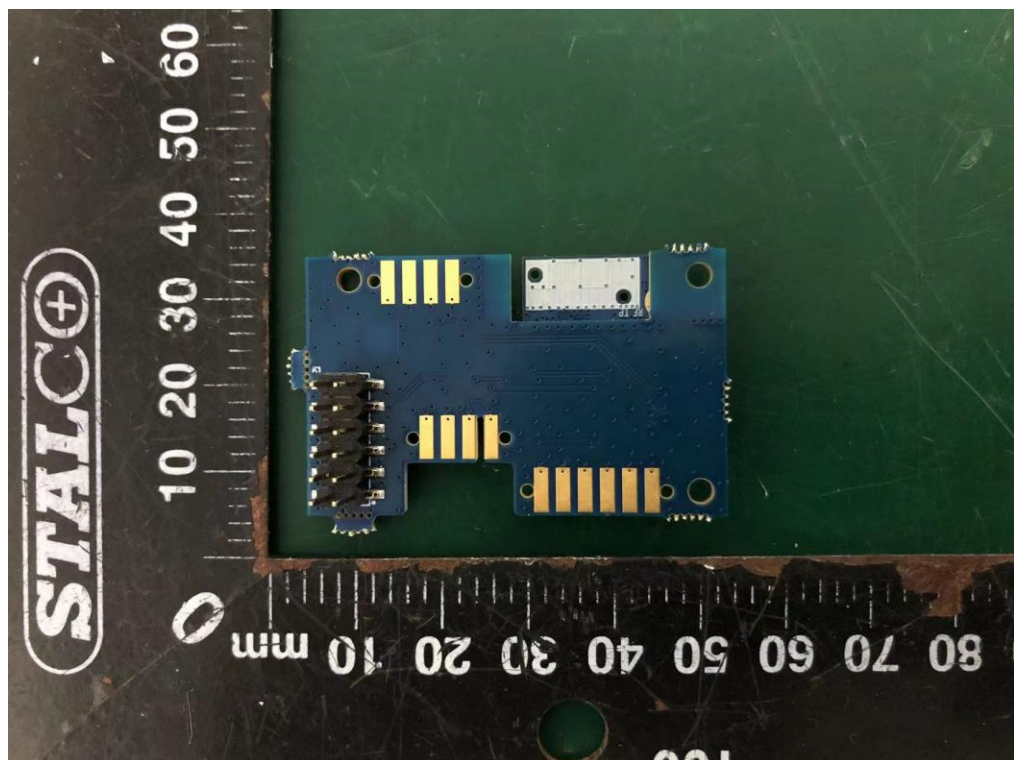
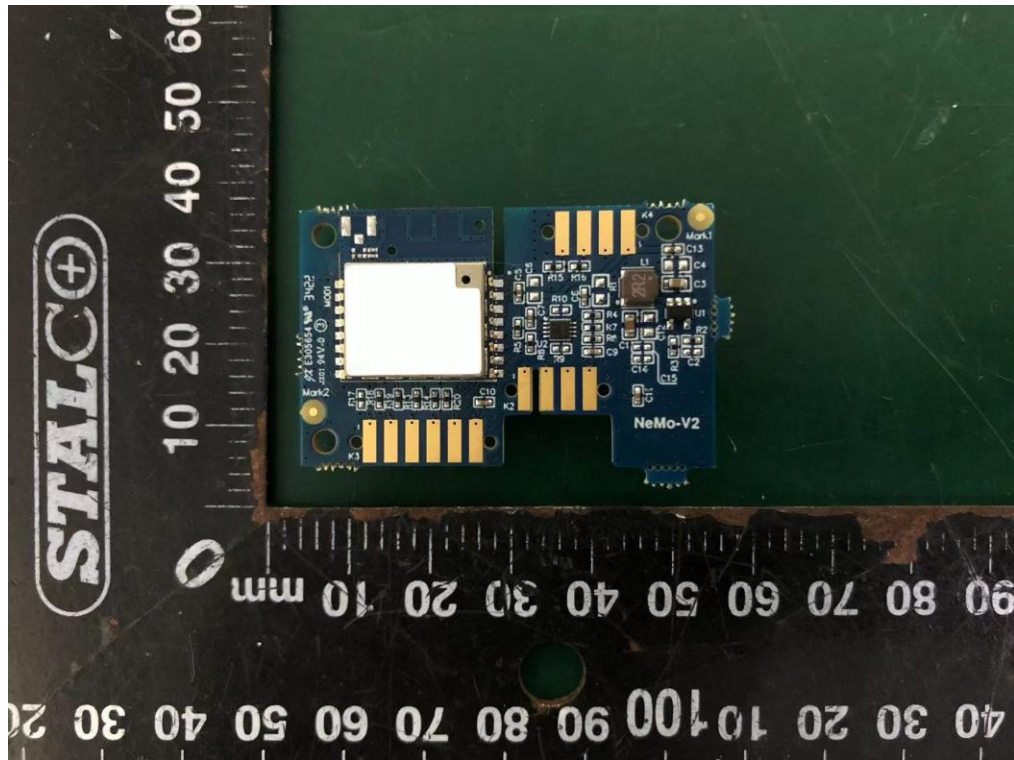


Radiated Test (Above 1GHz)

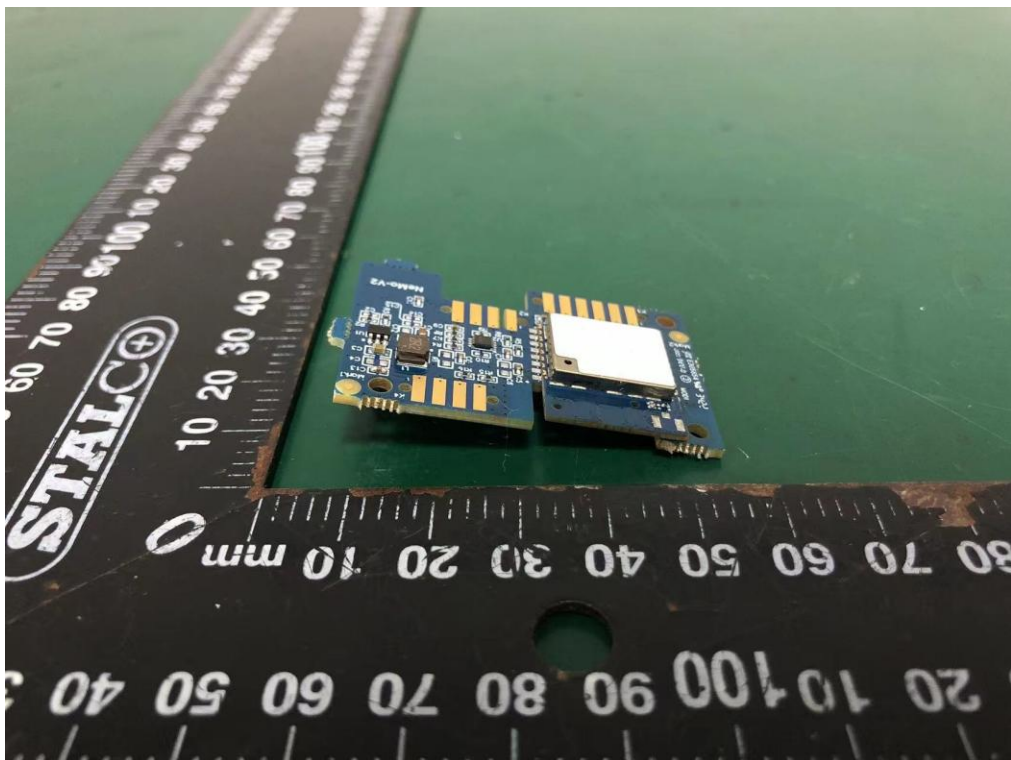
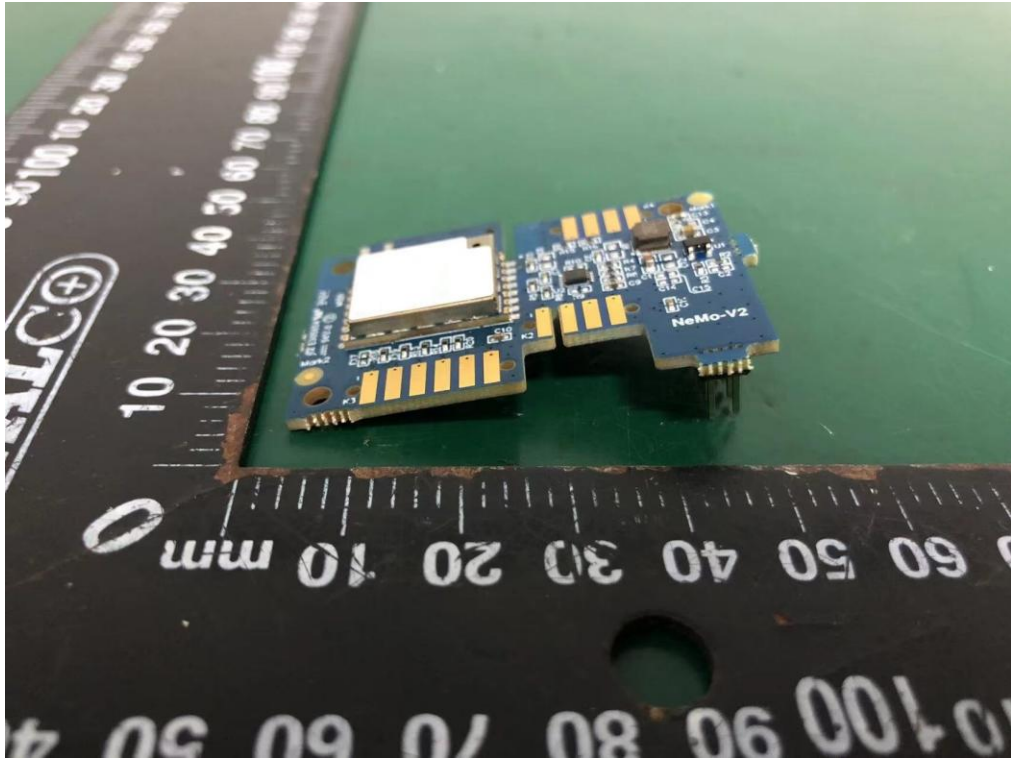


12. EUT PHOTO

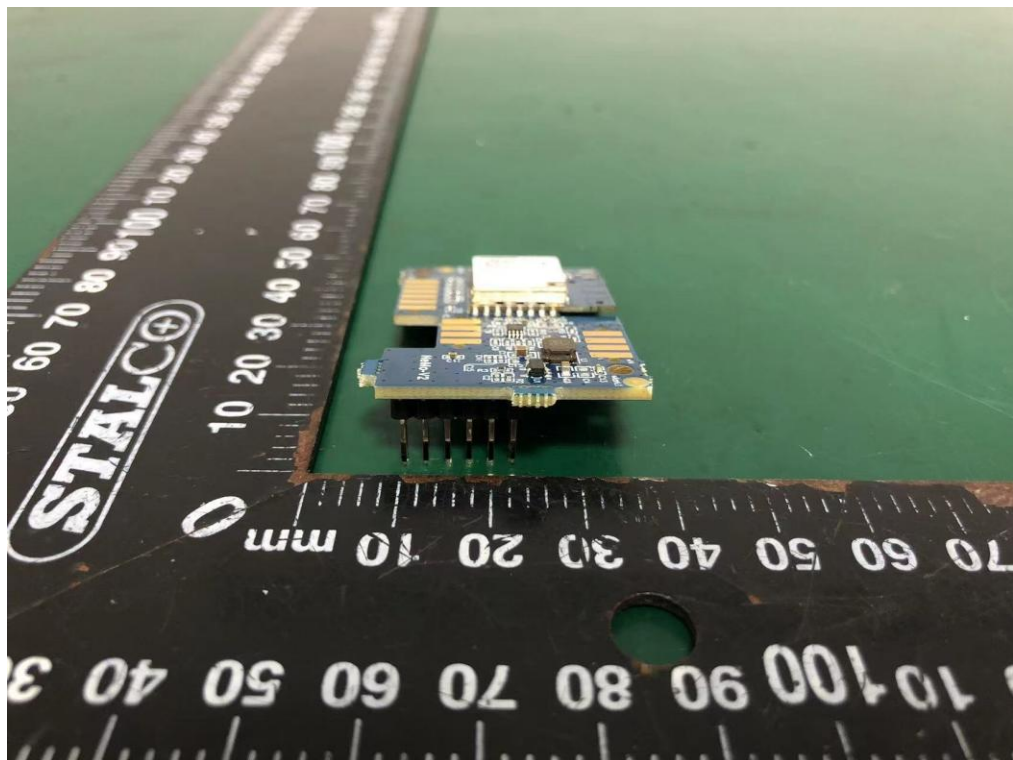
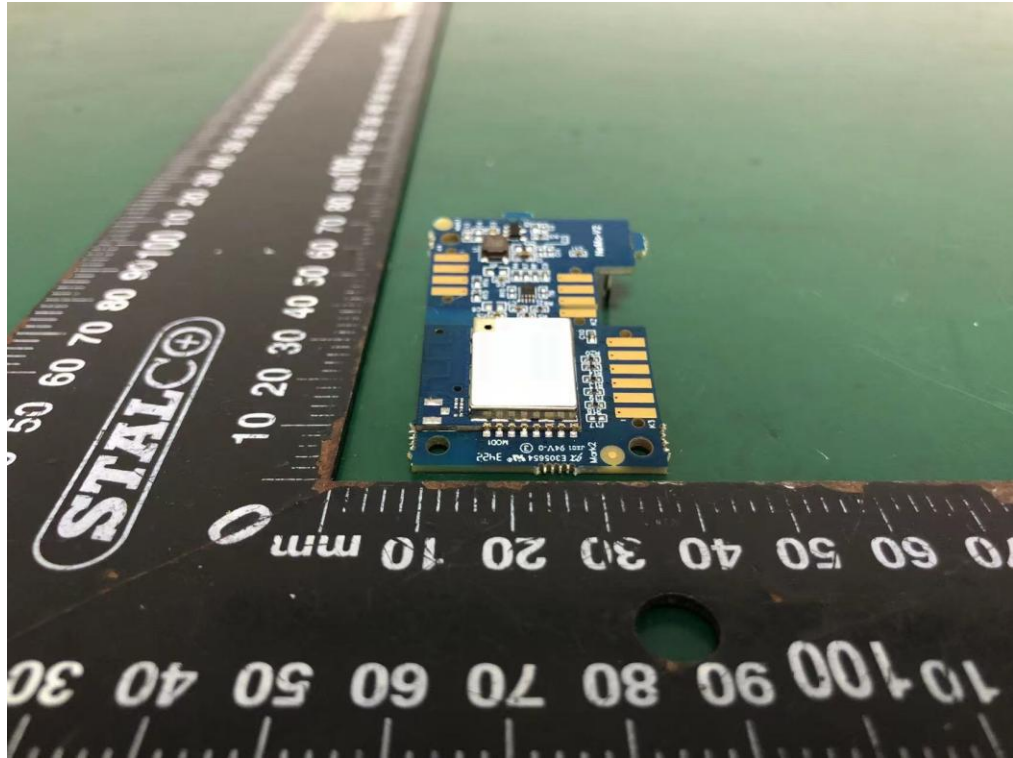
With pin header
External Photos
M/N: HLW3215-TG



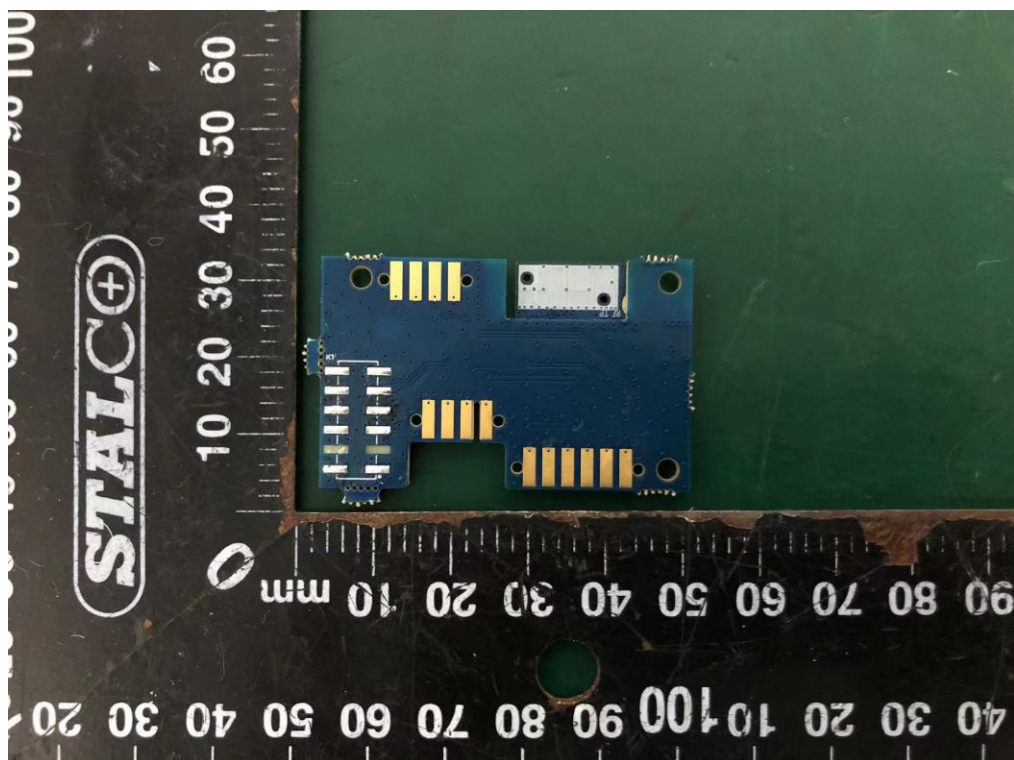
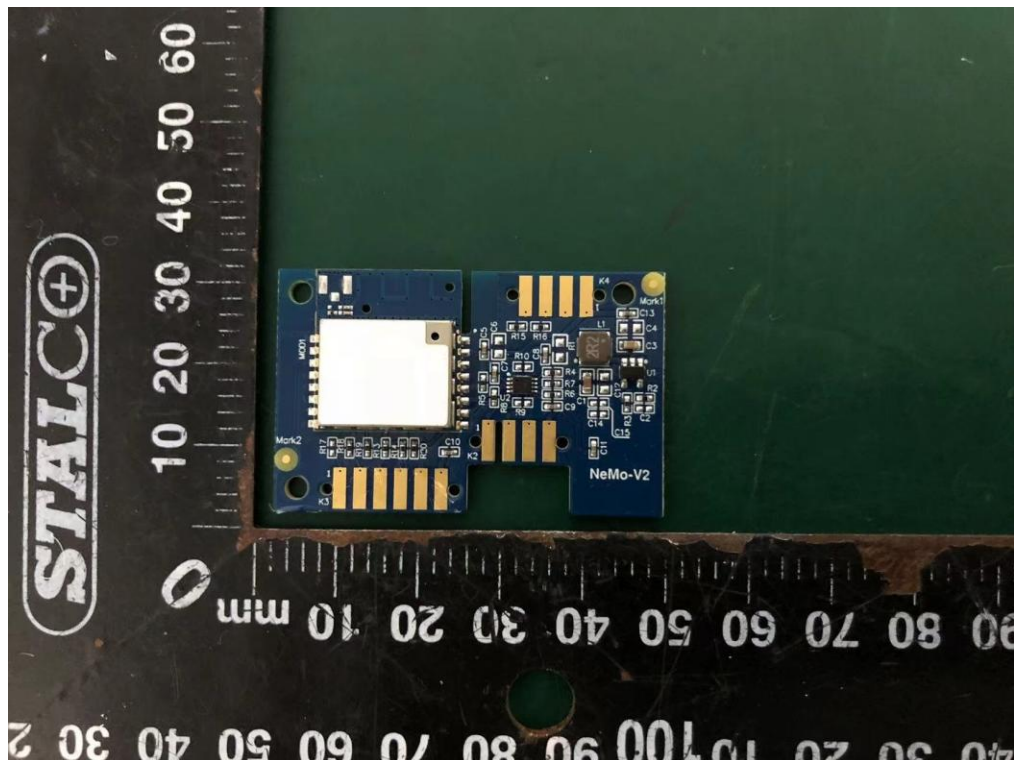
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M/N: HLW3215-TG



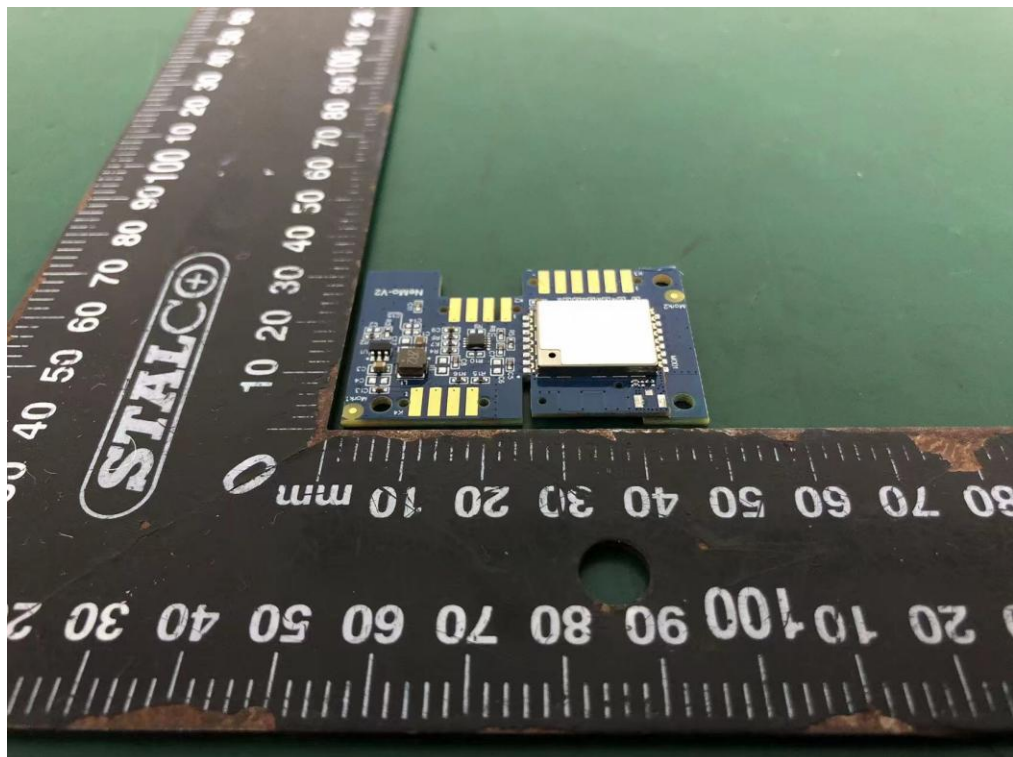
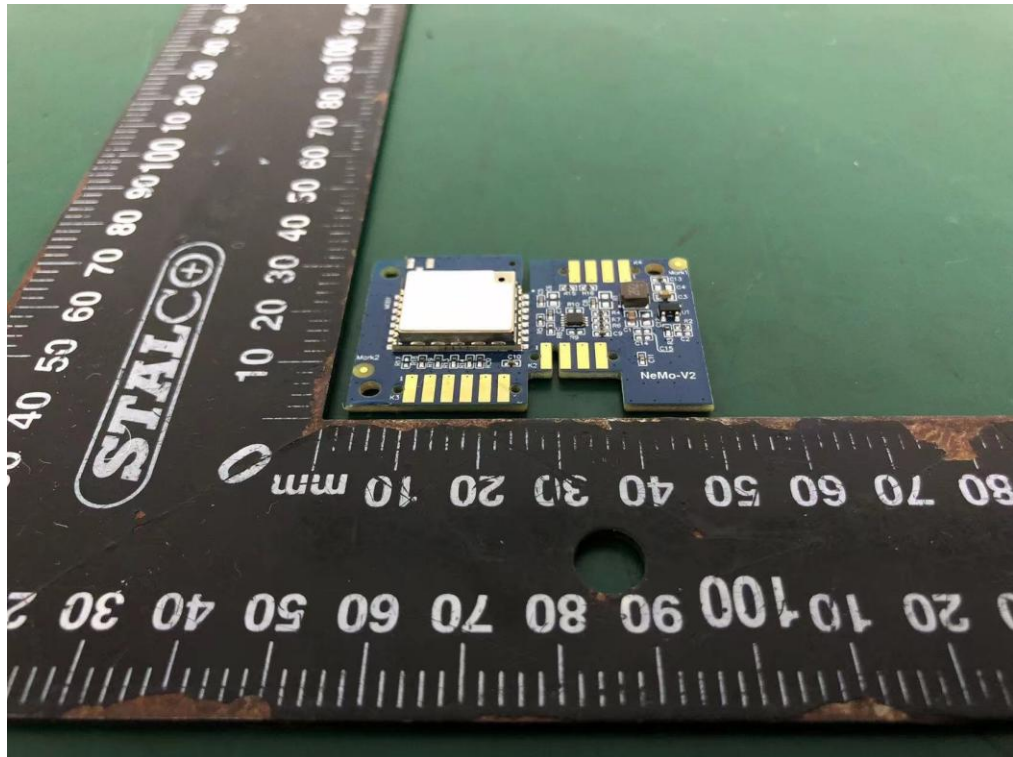
External Photos
M/N: HLW3215-TG



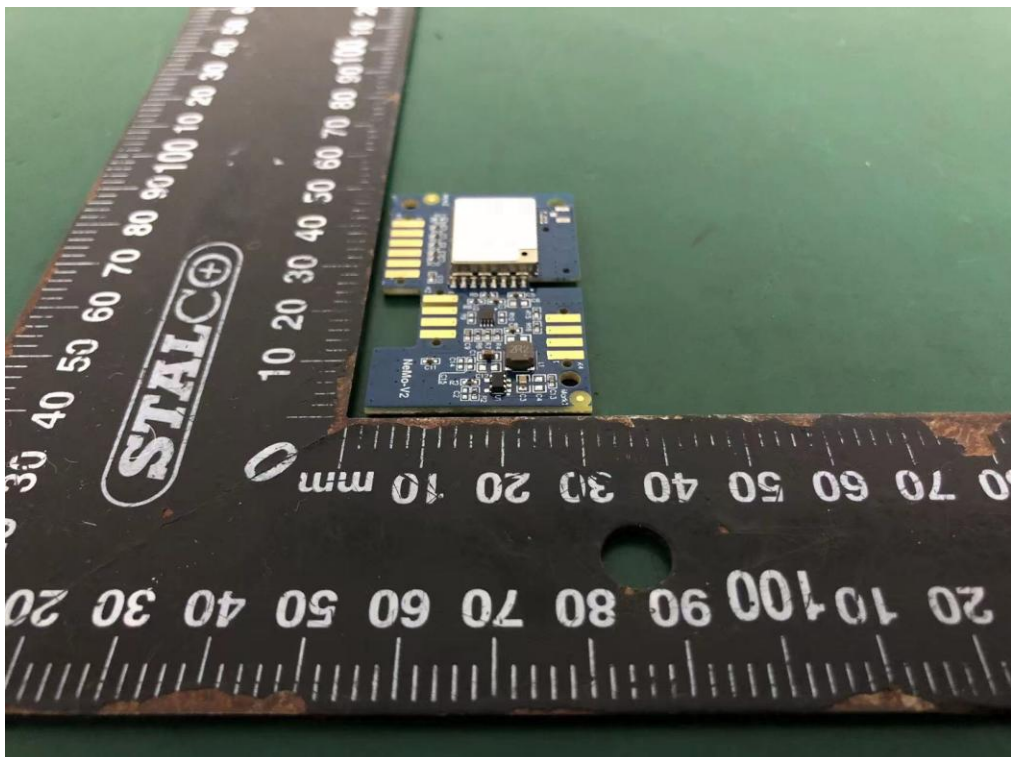
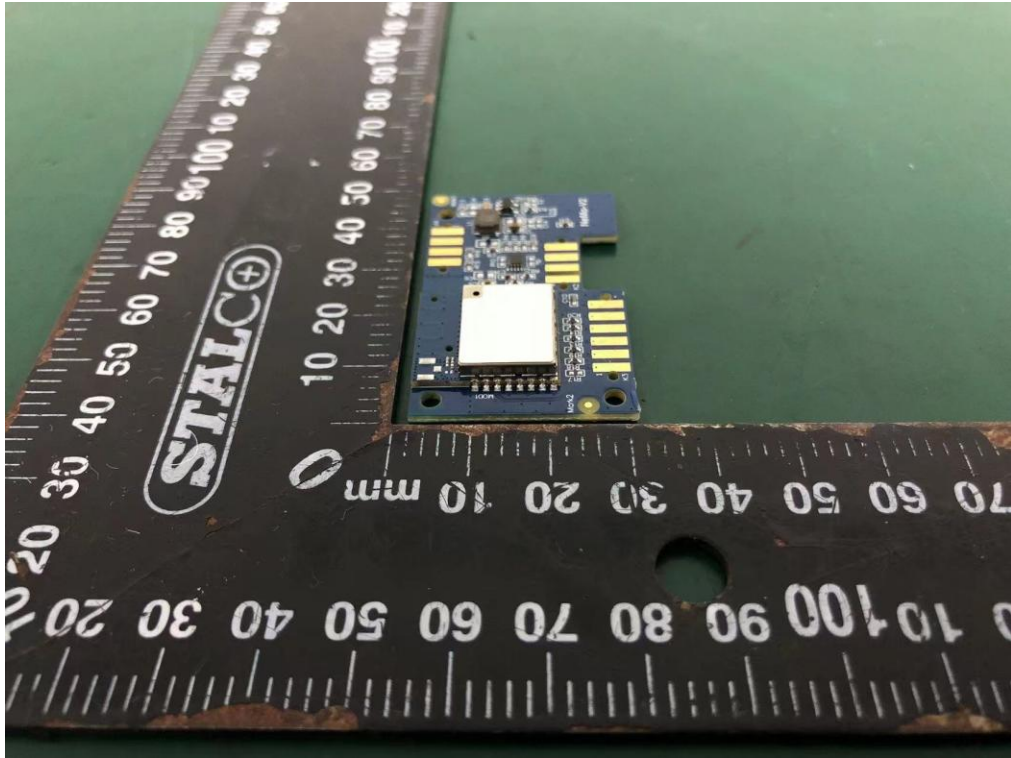
Without pin header
External Photos
M/N: HLW3215-TG01



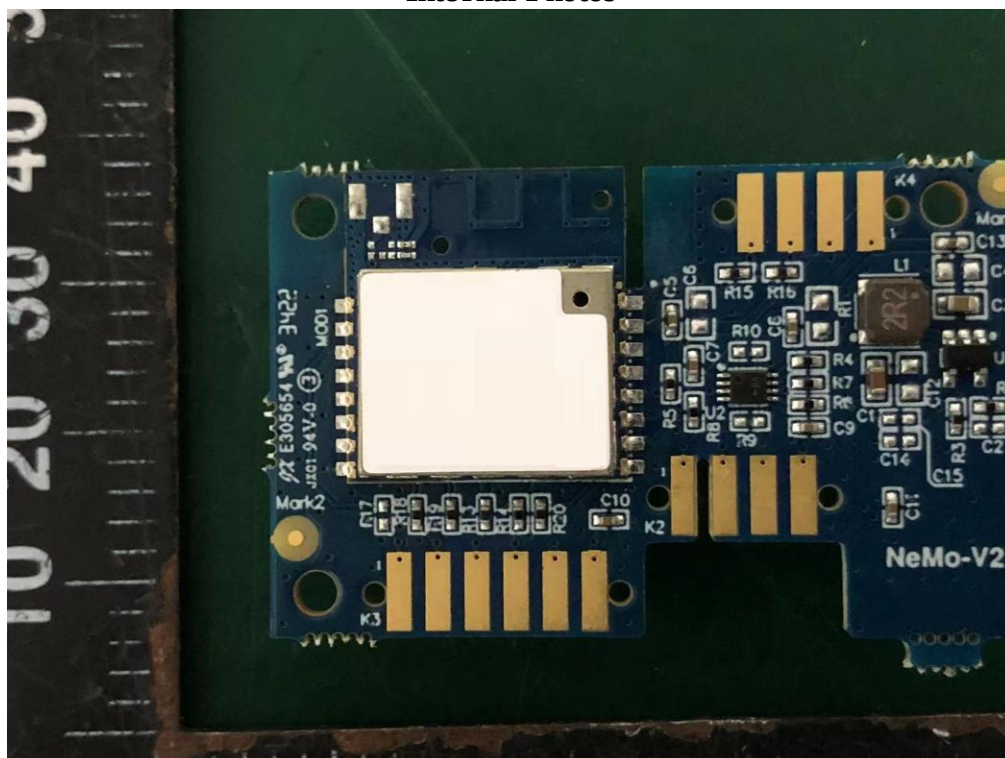
External Photos
M/N: HLW3215-TG01



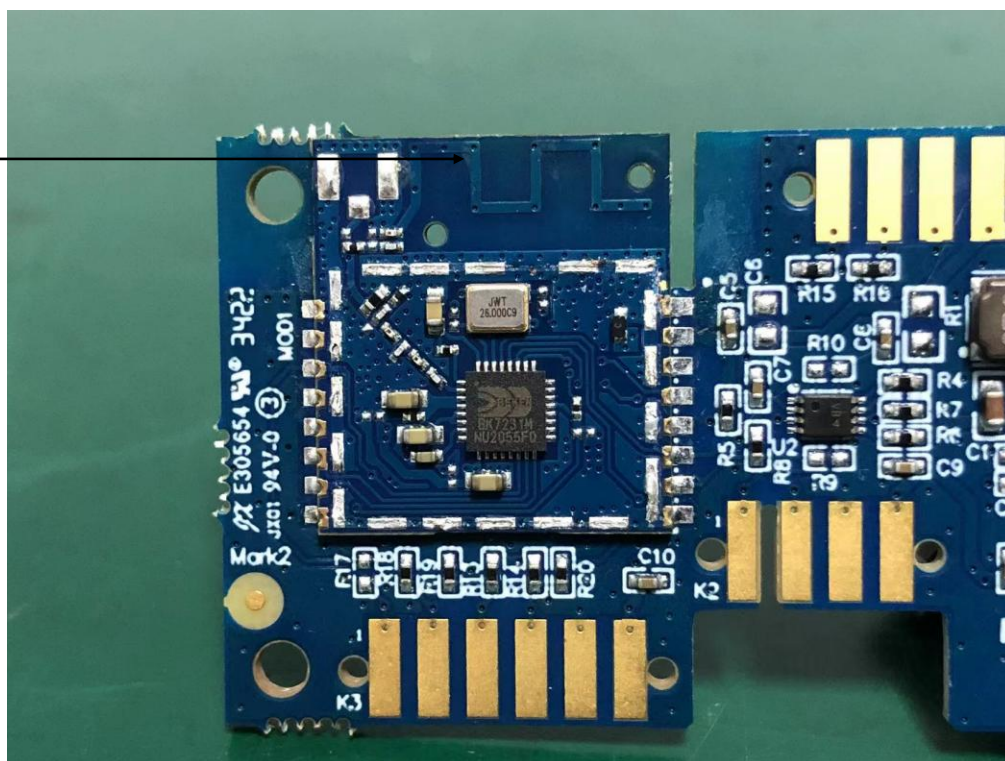
External Photos
M/N: HLW3215-TG01



Internal Photos



Bluetooth
Antenna



End of Test Report