

Appendix D: Reference level measurement

Test Result

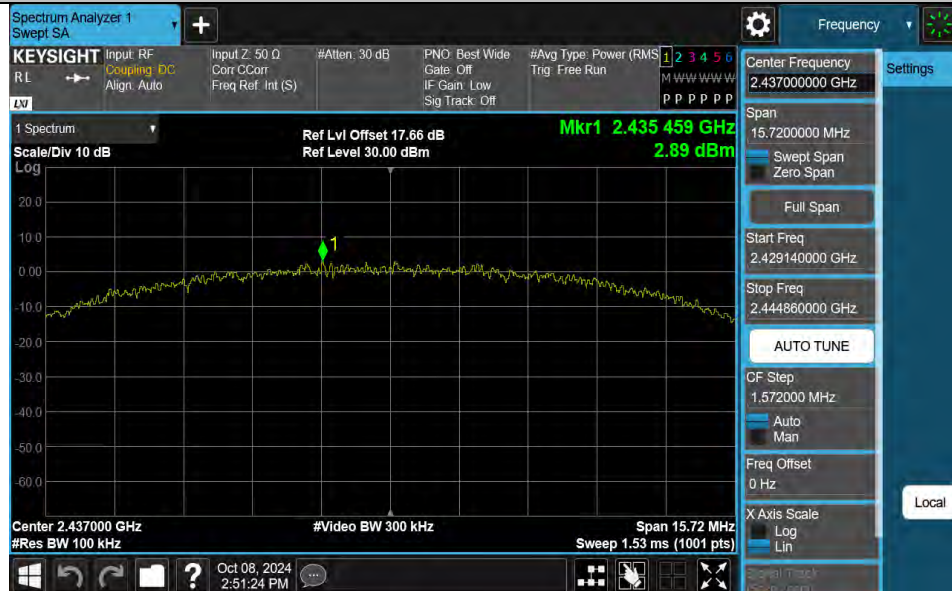
Test Mode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2411.45	3.61
11B	Ant1	2437	2435.46	2.89
11B	Ant1	2462	2462.54	3.49
11G	Ant1	2412	2419.85	1.67
11G	Ant1	2437	2438.59	-0.09
11G	Ant1	2462	2466.99	0.23
11N20SISO	Ant1	2412	2404.47	4.07
11N20SISO	Ant1	2437	2441.98	3.95
11N20SISO	Ant1	2462	2455.69	1.93
11N40SISO	Ant1	2422	2427.01	1.27
11N40SISO	Ant1	2437	2423.23	0.83
11N40SISO	Ant1	2452	2455.74	0.77

Test Graphs

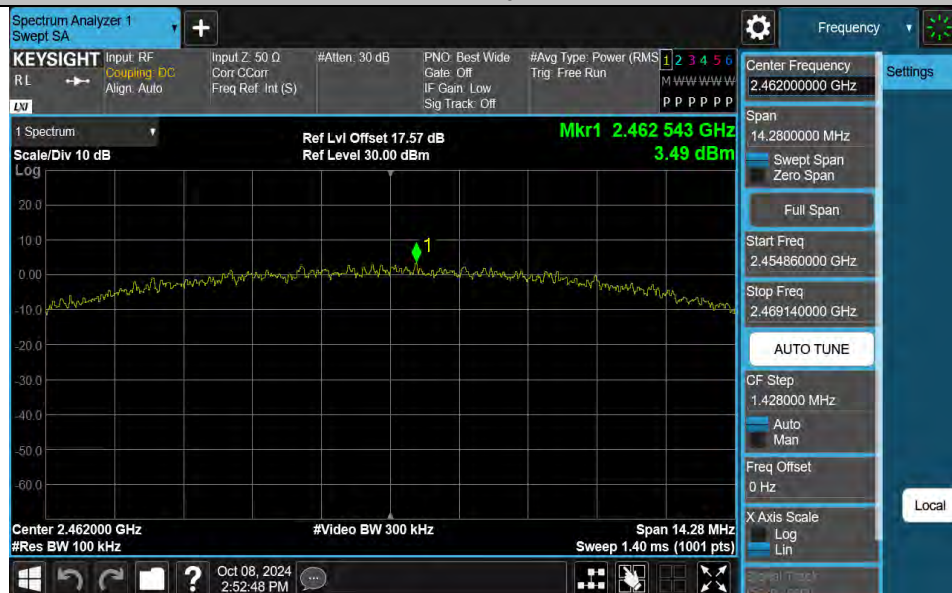
11B-Ant1-2412-PASS



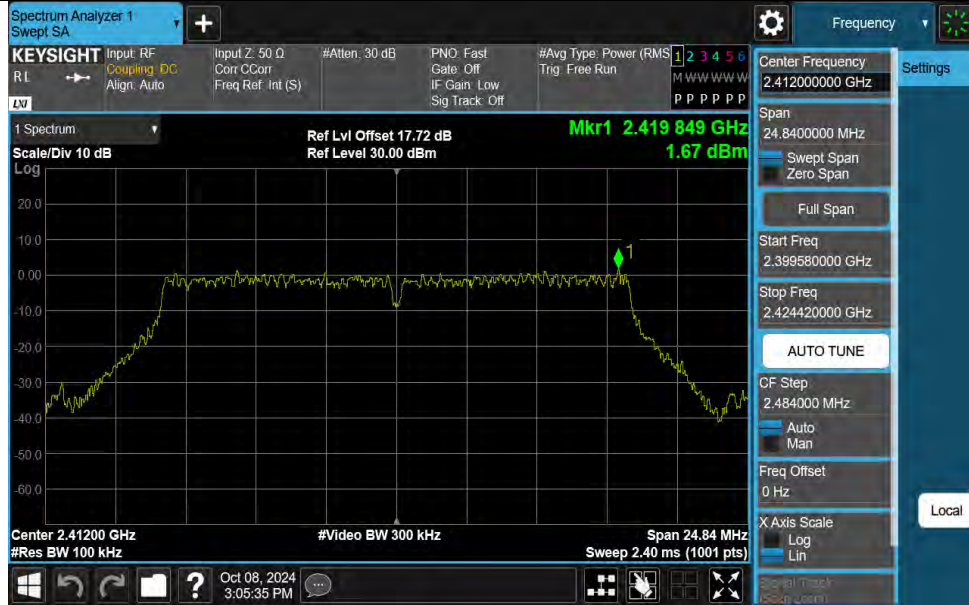
11B-Ant1-2437-PASS



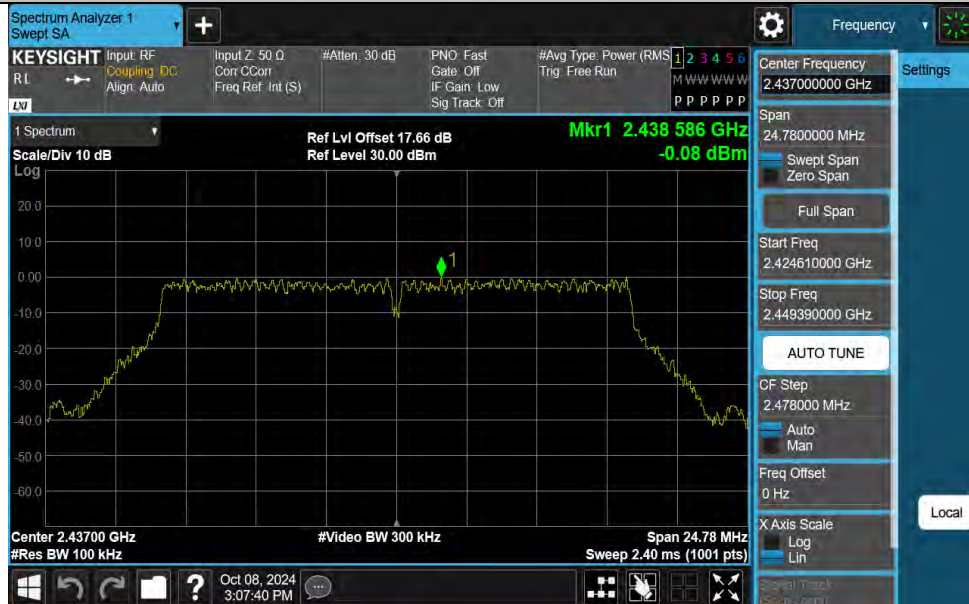
11B-Ant1-2462-PASS



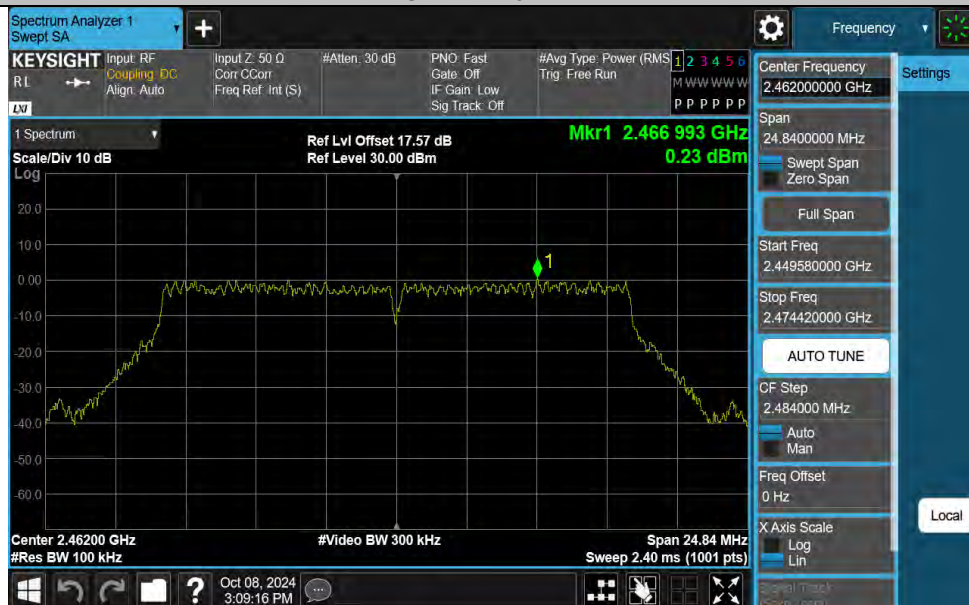
11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



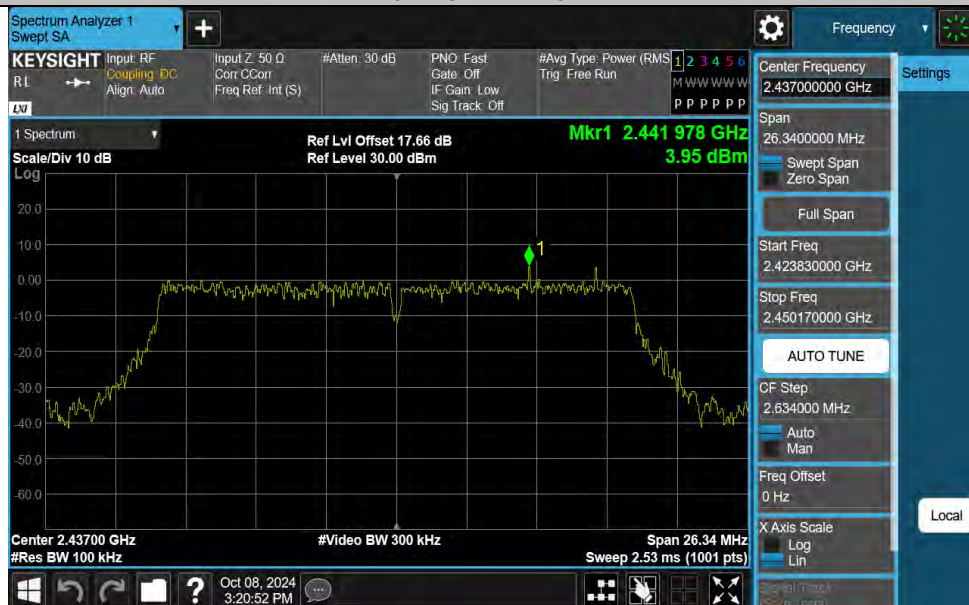
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



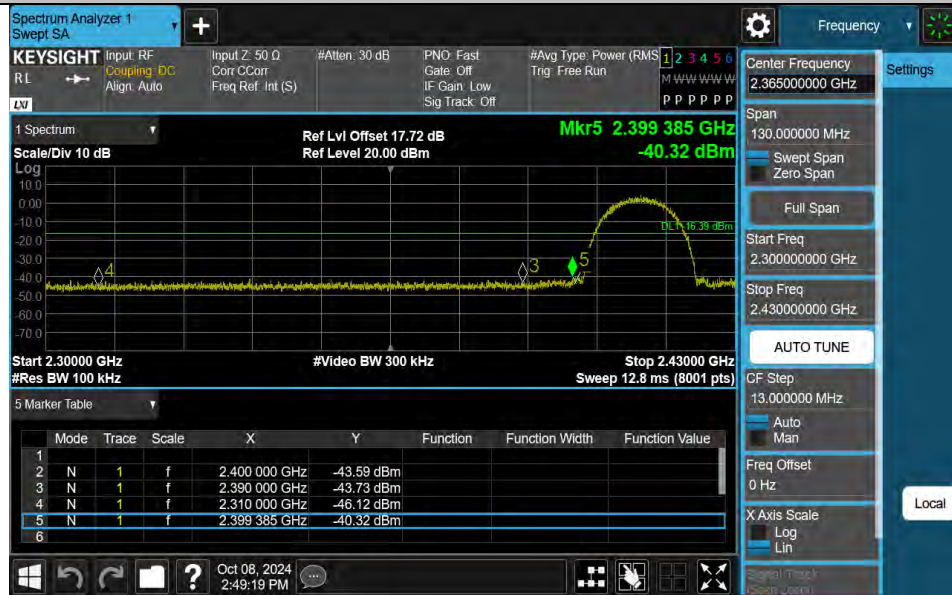
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.61	-40.32	≤ -16.39	PASS
11B	Ant1	High	2462	3.49	-41.00	≤ -16.51	PASS
11G	Ant1	Low	2412	1.67	-30.54	≤ -18.33	PASS
11G	Ant1	High	2462	0.23	-39.40	≤ -19.77	PASS
11N20SISO	Ant1	Low	2412	4.07	-32.97	≤ -15.93	PASS
11N20SISO	Ant1	High	2462	1.93	-40.94	≤ -18.07	PASS
11N40SISO	Ant1	Low	2422	1.27	-32.06	≤ -18.73	PASS
11N40SISO	Ant1	High	2452	0.77	-36.57	≤ -19.23	PASS

Test Graphs

11B-Ant1-2412-PASS



11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



11G-Ant1-2462-PASS



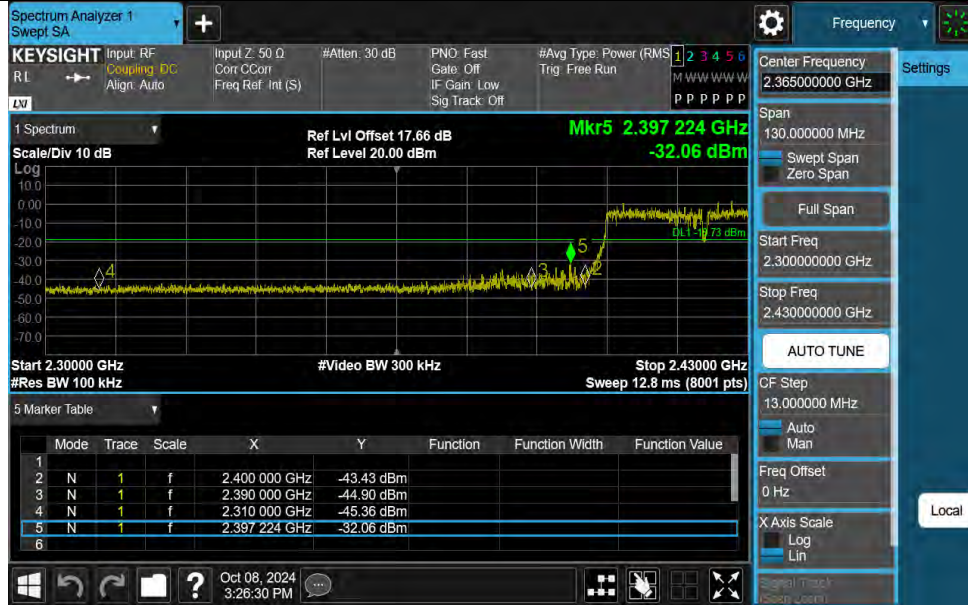
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS



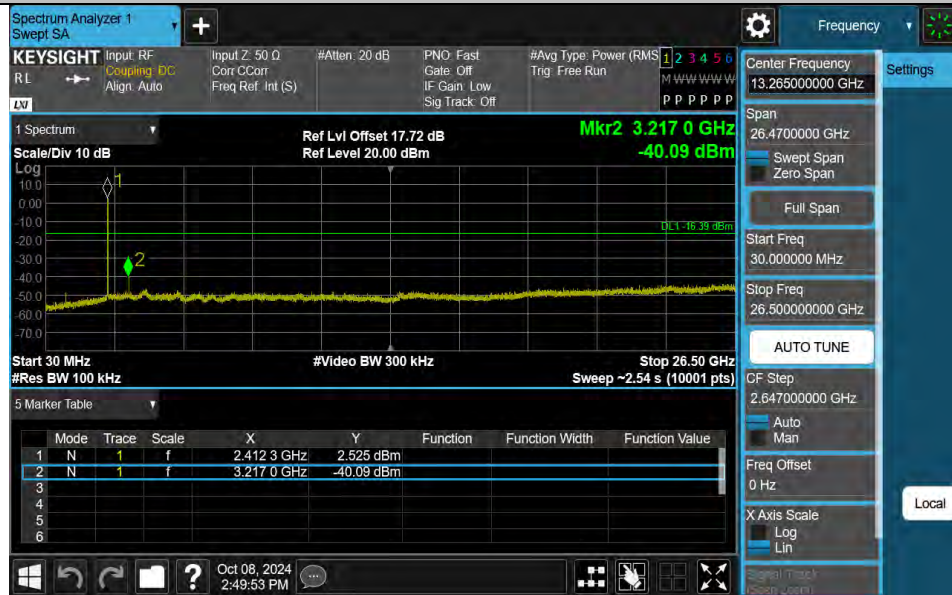
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~26500	3.61	-40.09	≤-16.39	PASS
11B	Ant1	2437	30~26500	2.89	-42.07	≤-17.11	PASS
11B	Ant1	2462	30~26500	3.49	-43.16	≤-16.51	PASS
11G	Ant1	2412	30~26500	1.67	-38.94	≤-18.33	PASS
11G	Ant1	2437	30~26500	-0.09	-41.30	≤-20.09	PASS
11G	Ant1	2462	30~26500	0.23	-43.07	≤-19.77	PASS
11N20SISO	Ant1	2412	30~26500	4.07	-40.29	≤-15.93	PASS
11N20SISO	Ant1	2437	30~26500	3.95	-41.37	≤-16.05	PASS
11N20SISO	Ant1	2462	30~26500	1.93	-43.66	≤-18.07	PASS
11N40SISO	Ant1	2422	30~26500	1.27	-40.58	≤-18.73	PASS
11N40SISO	Ant1	2437	30~26500	0.83	-40.98	≤-19.17	PASS
11N40SISO	Ant1	2452	30~26500	0.77	-43.75	≤-19.23	PASS

Test Graphs

11B-Ant1-2412-30~26500-PASS



11B-Ant1-2437-30~26500-PASS



11B-Ant1-2462-30~26500-PASS



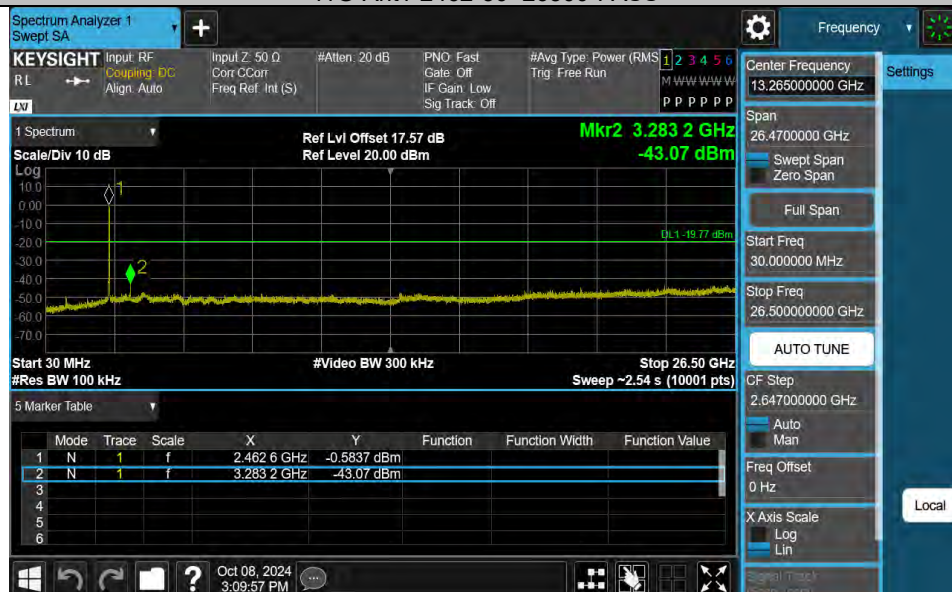
11G-Ant1-2412-30~26500-PASS



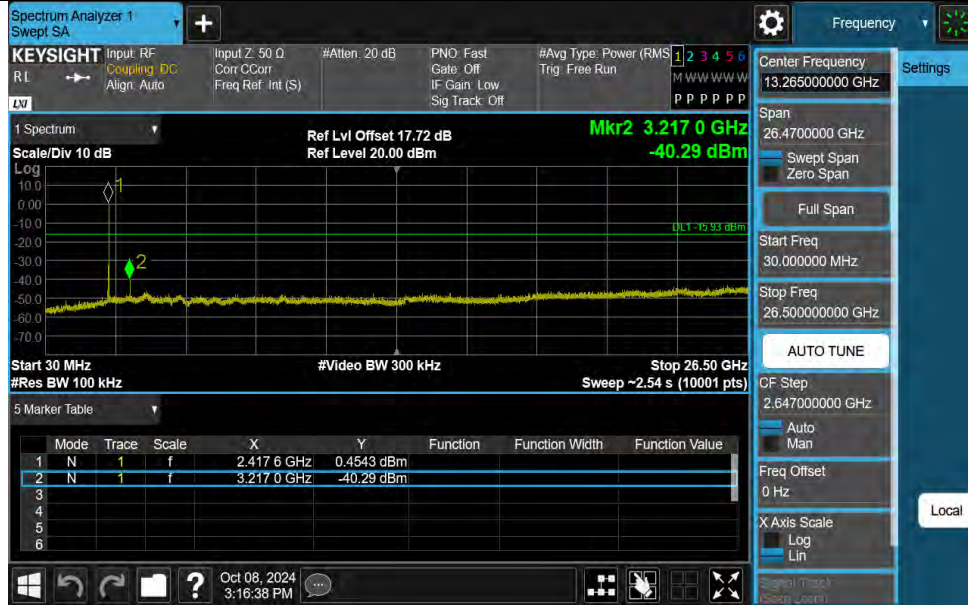
11G-Ant1-2437-30~26500-PASS



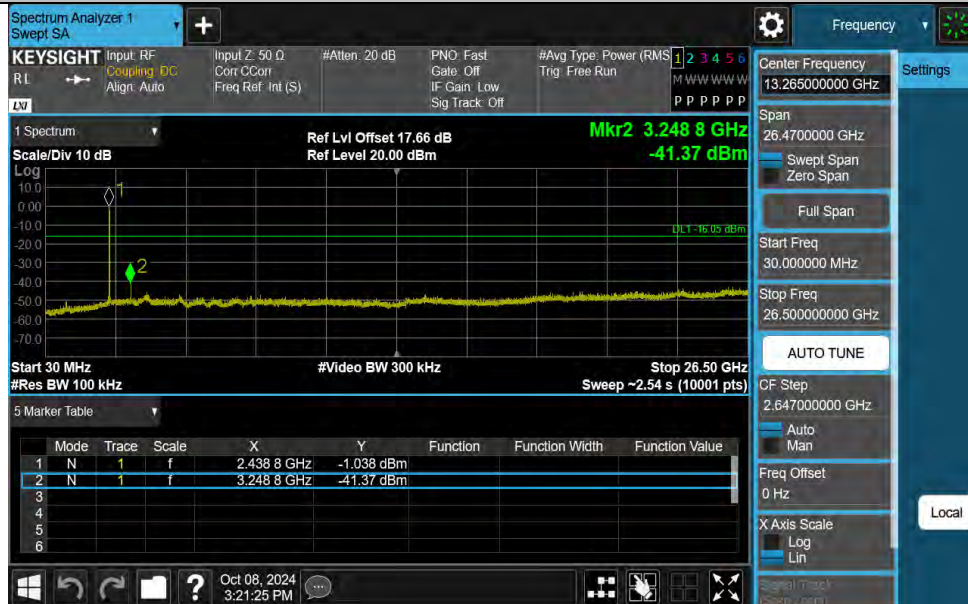
11G-Ant1-2462-30~26500-PASS



11N20SISO-Ant1-2412-30~26500-PASS



11N20SISO-Ant1-2437-30~26500-PASS



11N20SISO-Ant1-2462-30~26500-PASS



11N40SISO-Ant1-2422-30~26500-PASS



11N40SISO-Ant1-2437-30~26500-PASS



11N40SISO-Ant1-2452-30~26500-PASS



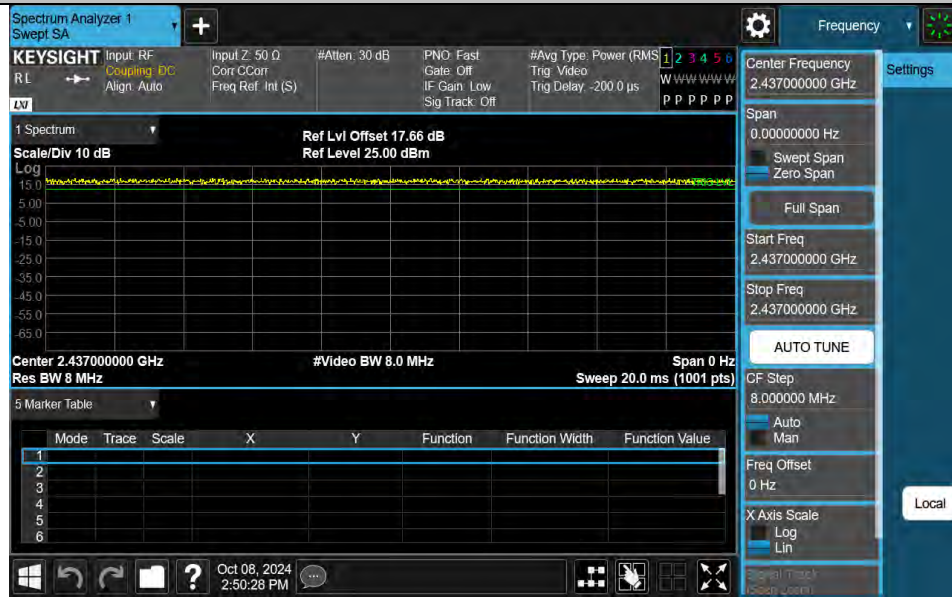


Appendix G: Duty Cycle
Test Result

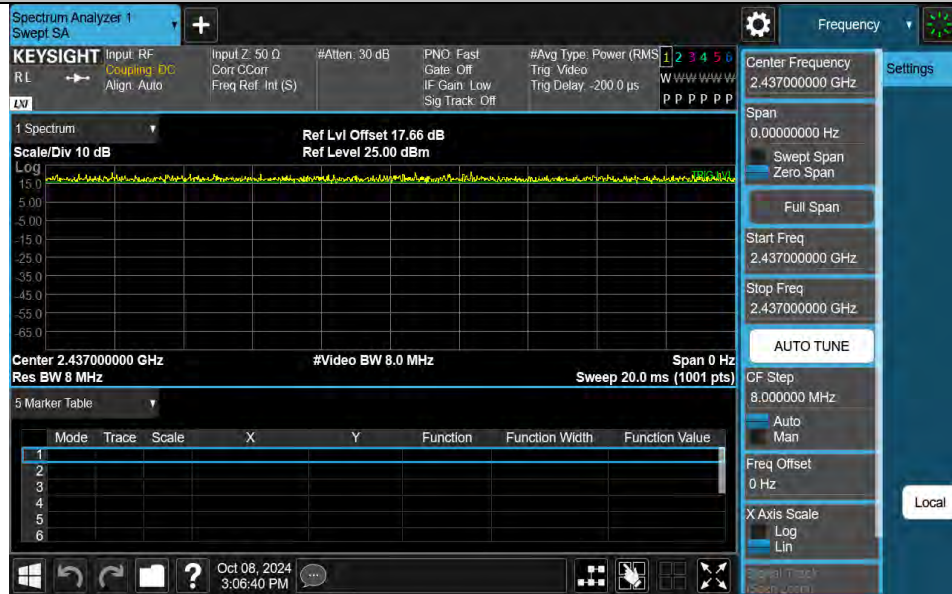
Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2437	20.00	20.00	100.00
11G	Ant1	2437	20.00	20.00	100.00
11N20SISO	Ant1	2437	1.30	8.01	16.23
11N40SISO	Ant1	2437	0.65	8.01	8.11

Test Graphs

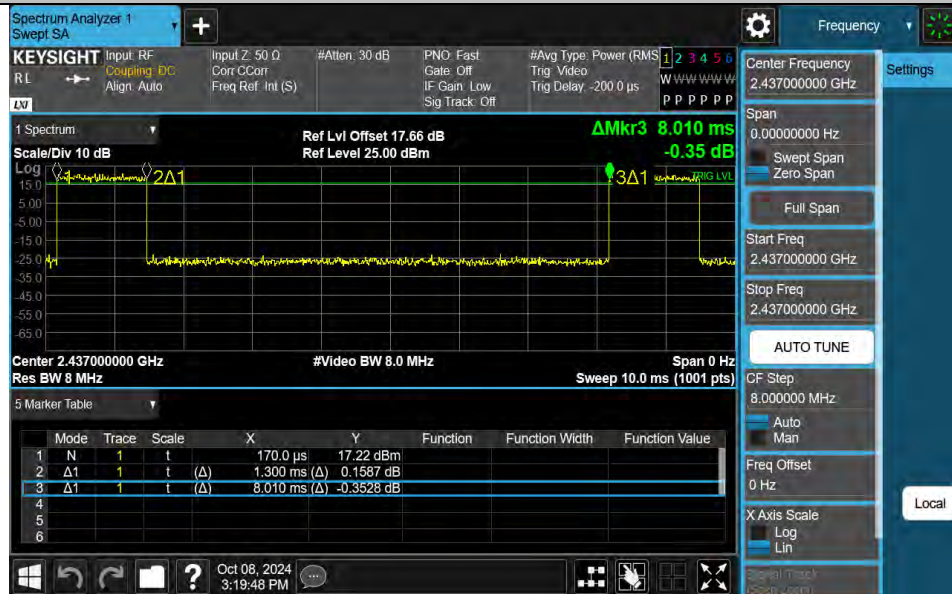
NTNV-11B-Ant1-2437

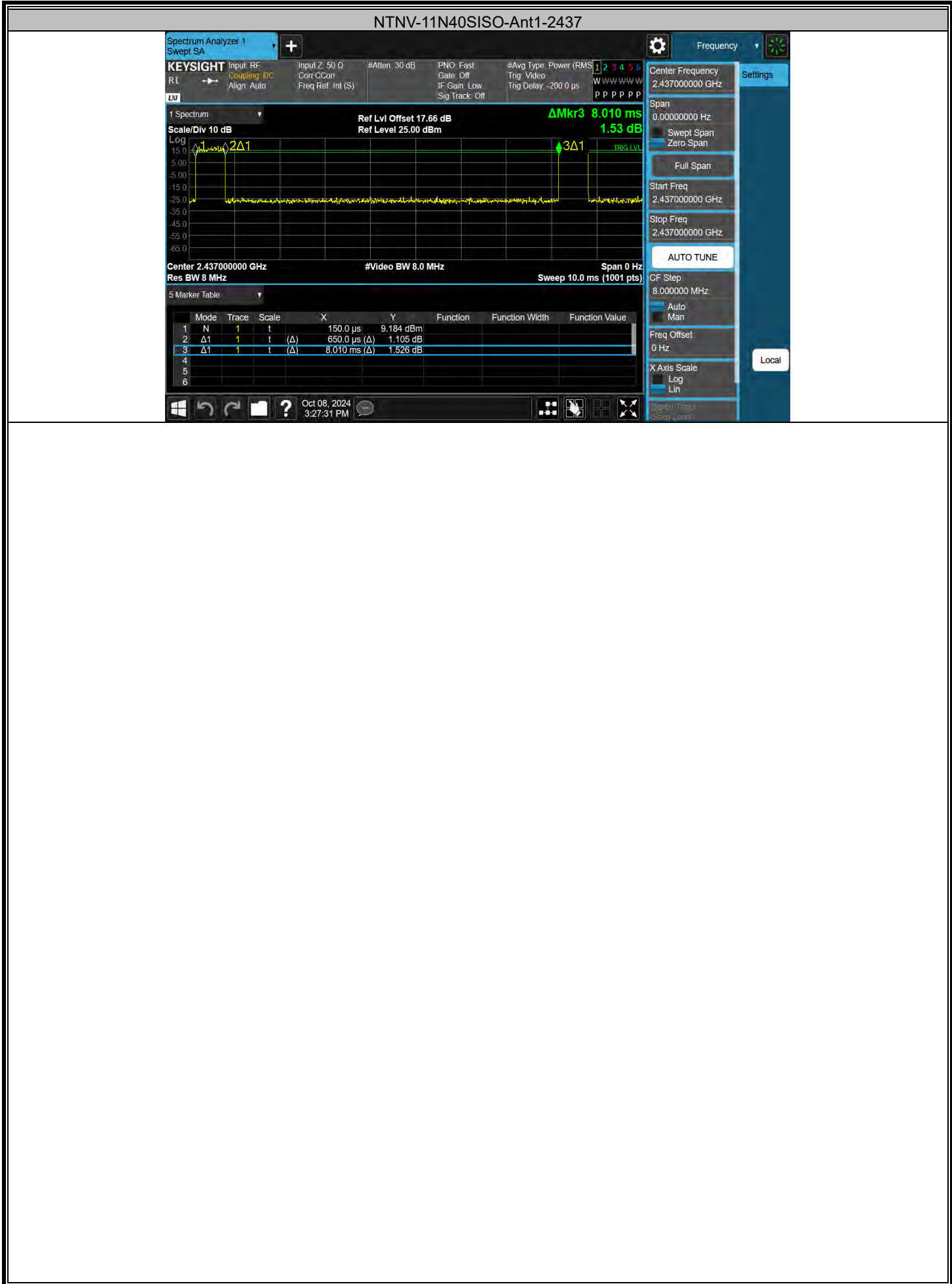


NTNV-11G-Ant1-2437



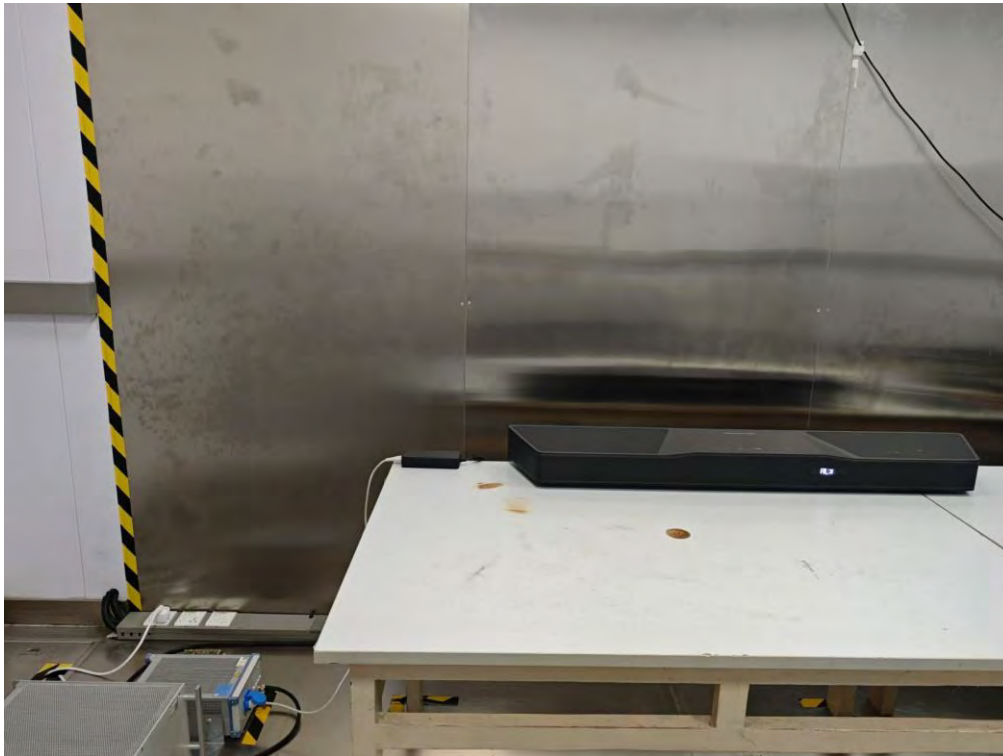
NTNV-11N20SISO-Ant1-2437



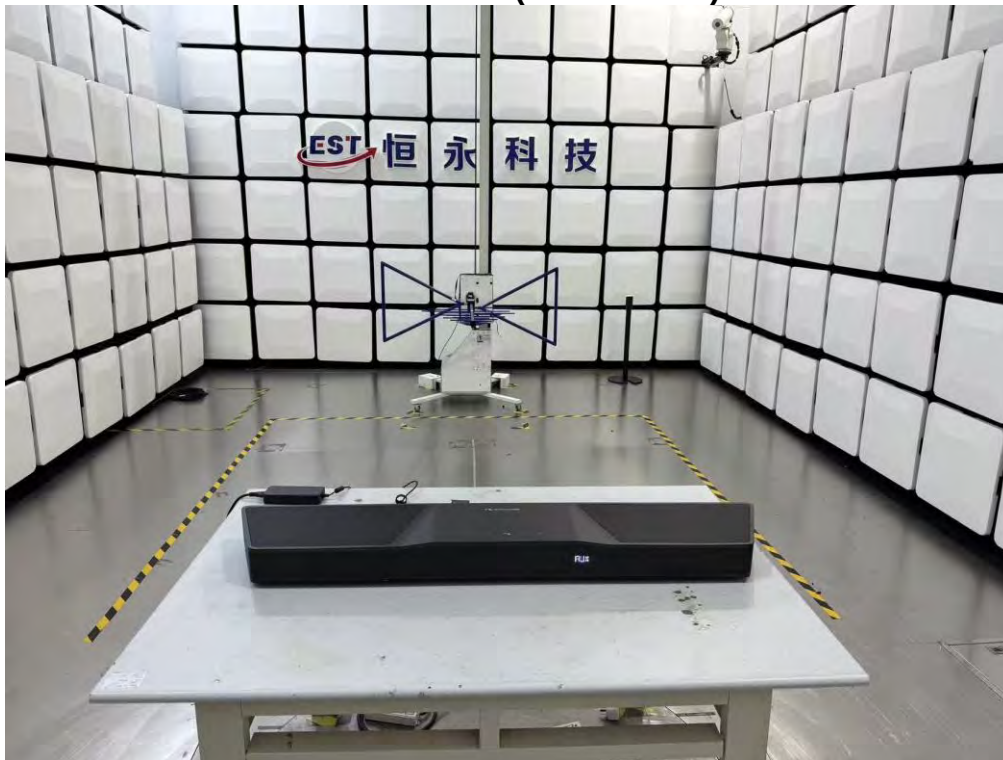


12. TEST SETUP PHOTO

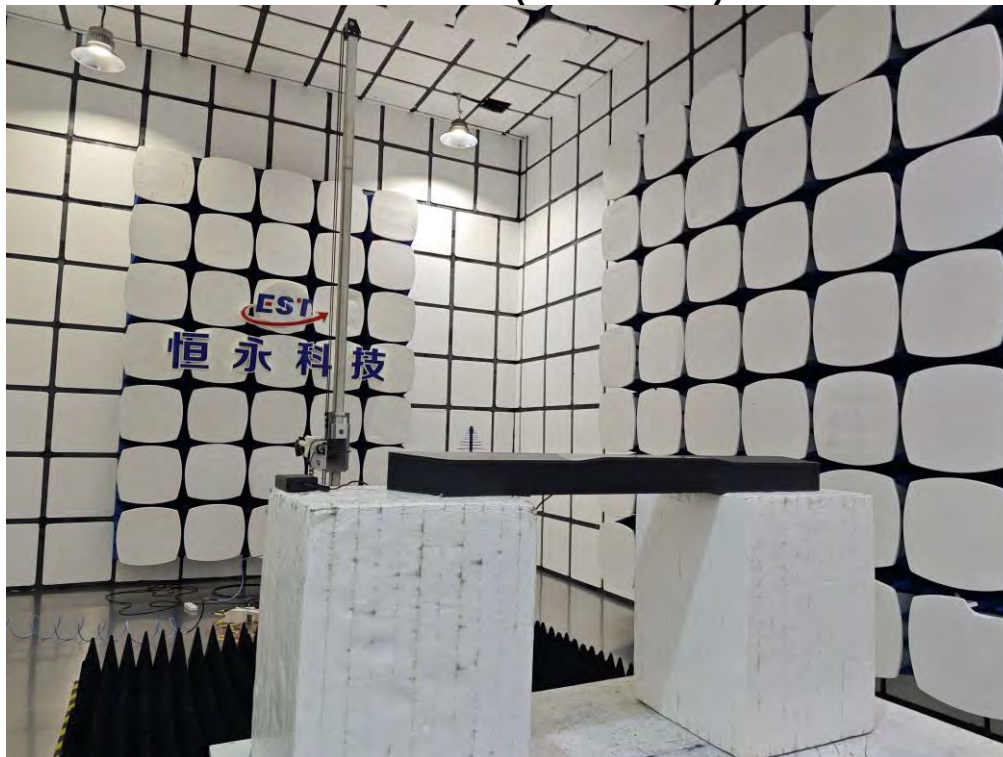
Conducted Test



Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)

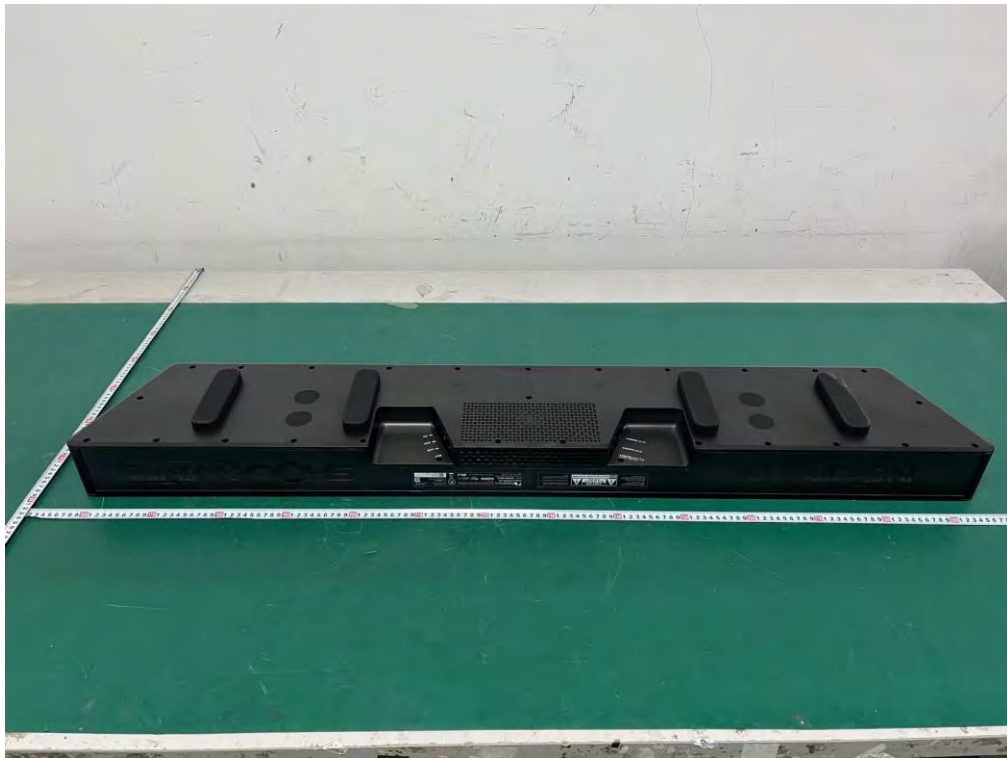


13. EUT PHOTO

External Photos M/N: Shockwafe Wireless



External Photos
M/N: Shockwafe Wireless



External Photos
M/N: Shockwafe Wireless



External Photos
M/N: Shockwafe Wireless



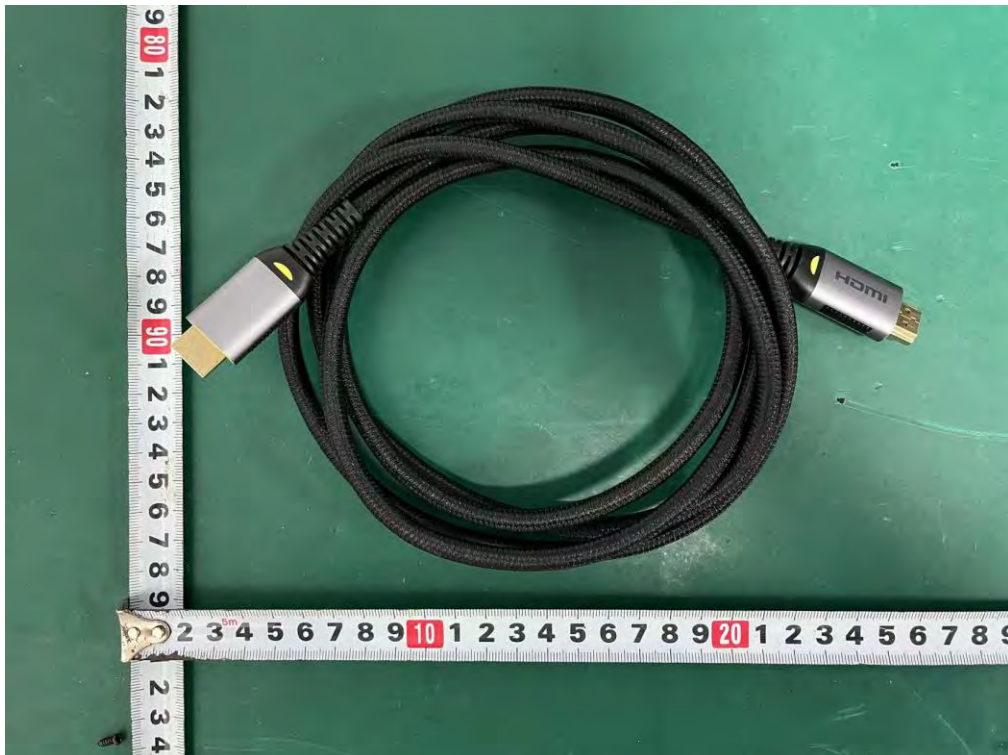
External Photos

M/N: Shockwafe Wireless



External Photos

M/N: Shockwafe Wireless



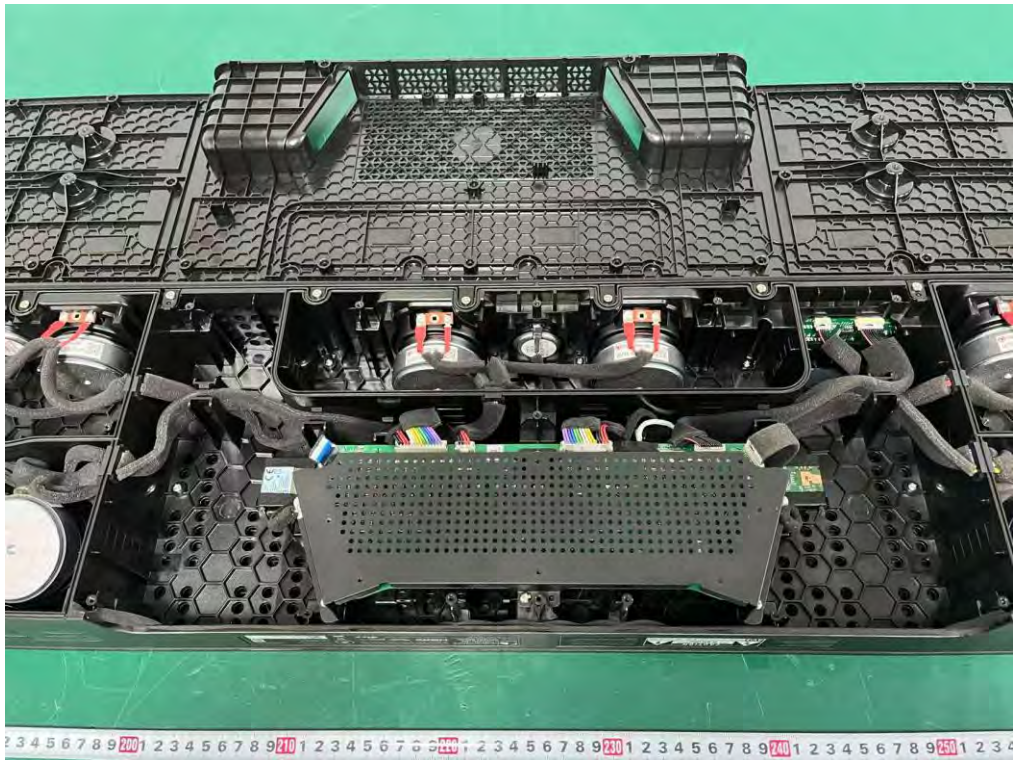
External Photos
M/N: Shockwafe Wireless



Internal Photos
M/N: Shockwafe Wireless



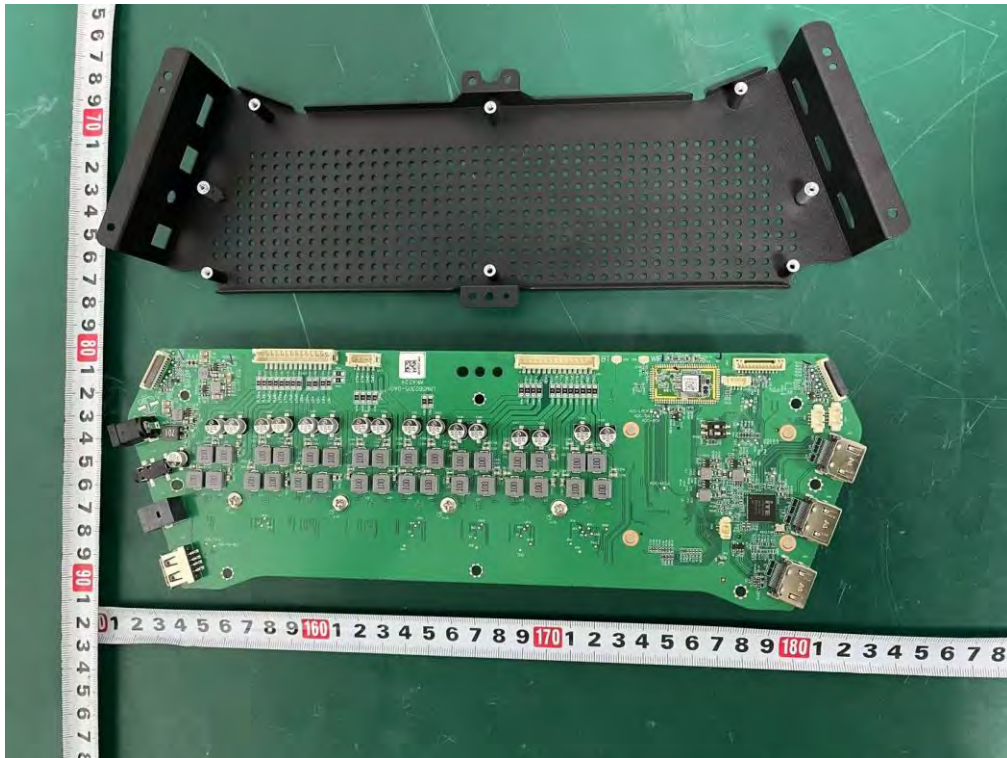
Internal Photos
M/N: Shockwafe Wireless



Internal Photos M/N: Shockwafe Wireless



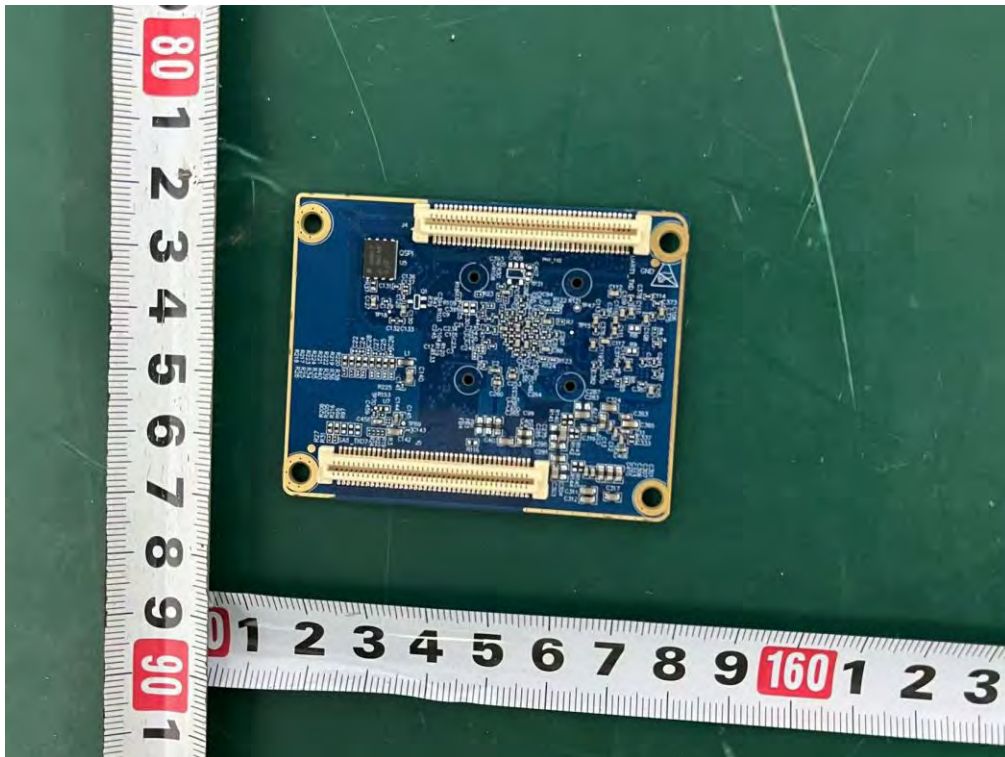
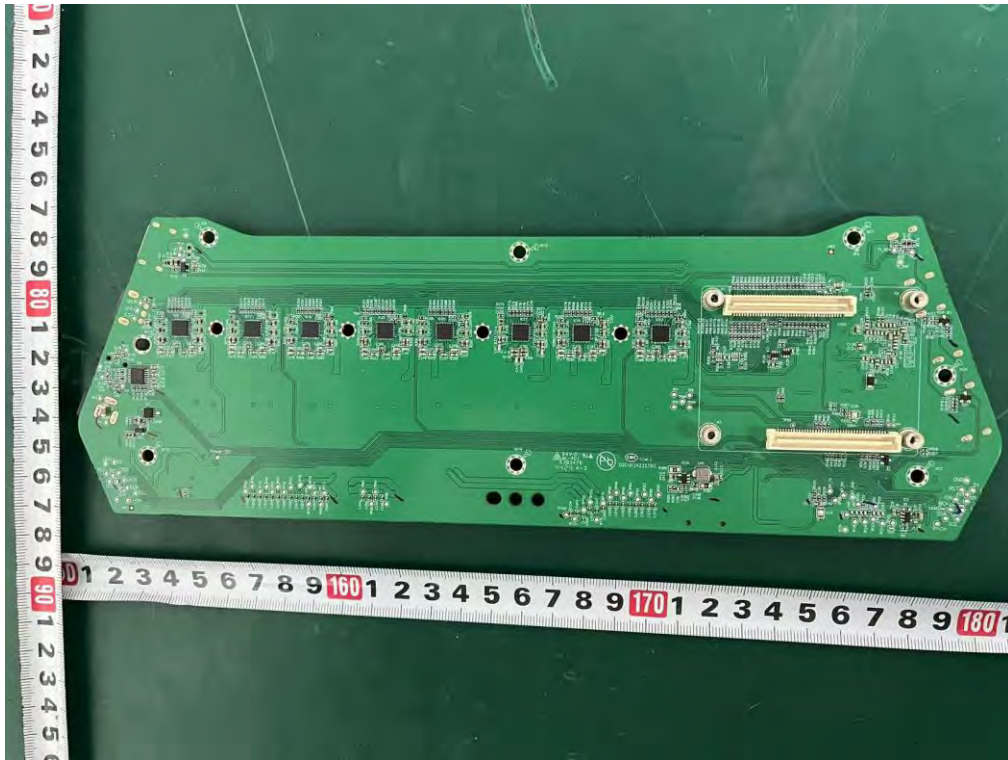
Internal Photos
M/N: Shockwafe Wireless



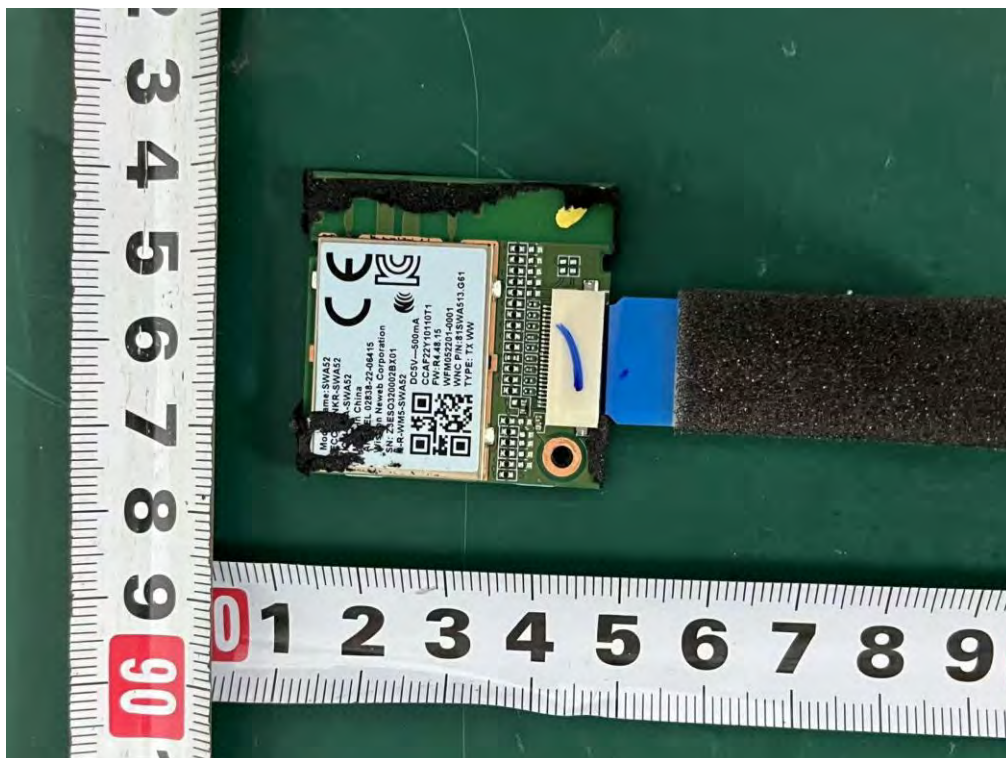
Internal Photos
M/N: Shockwafe Wireless



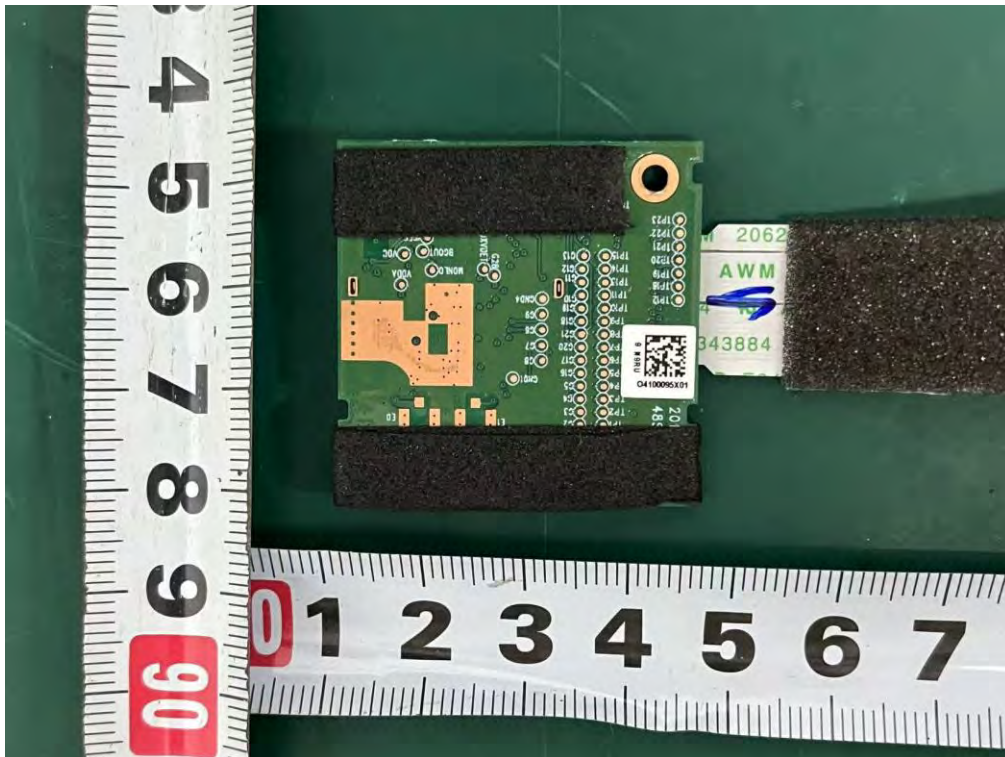
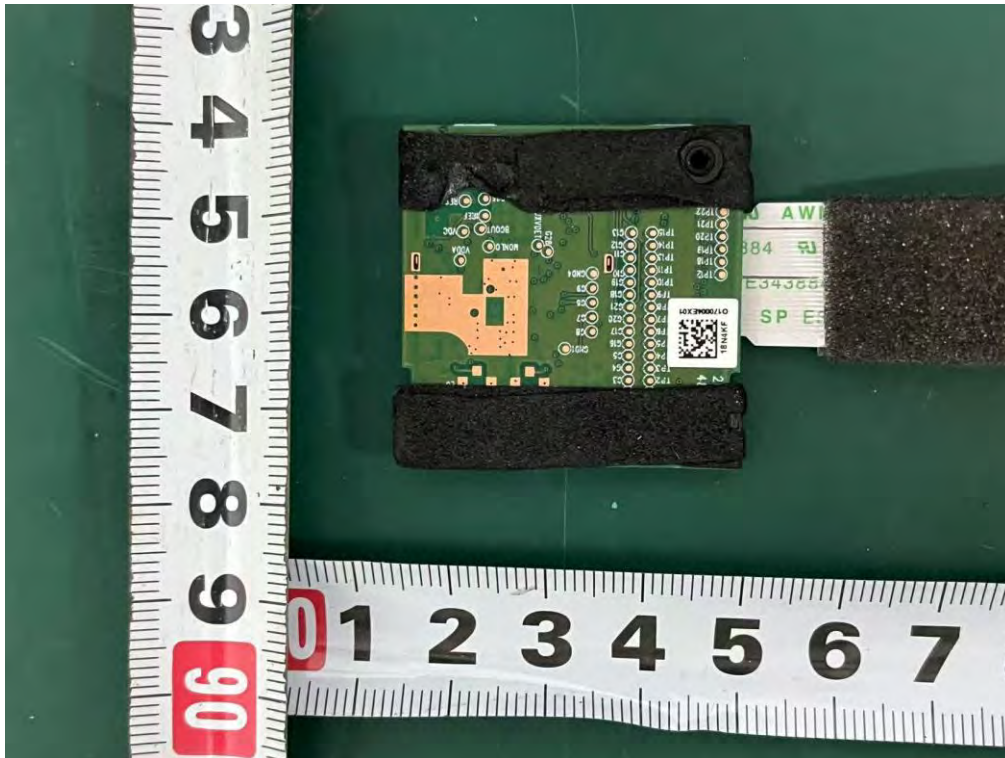
Internal Photos
M/N: Shockwafe Wireless



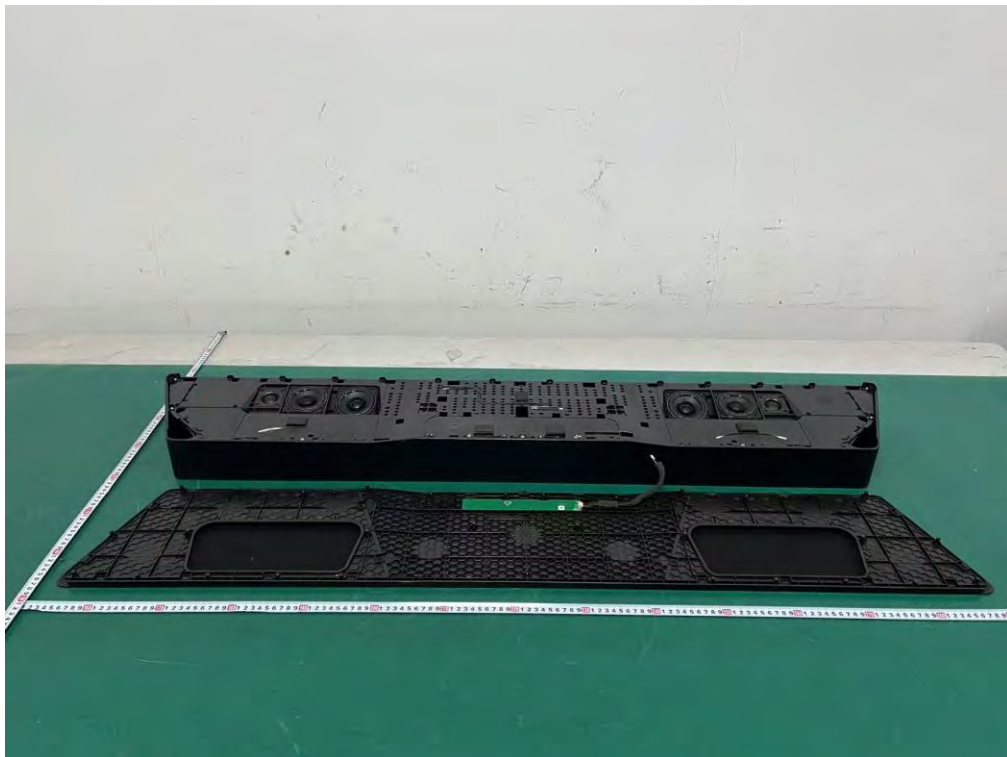
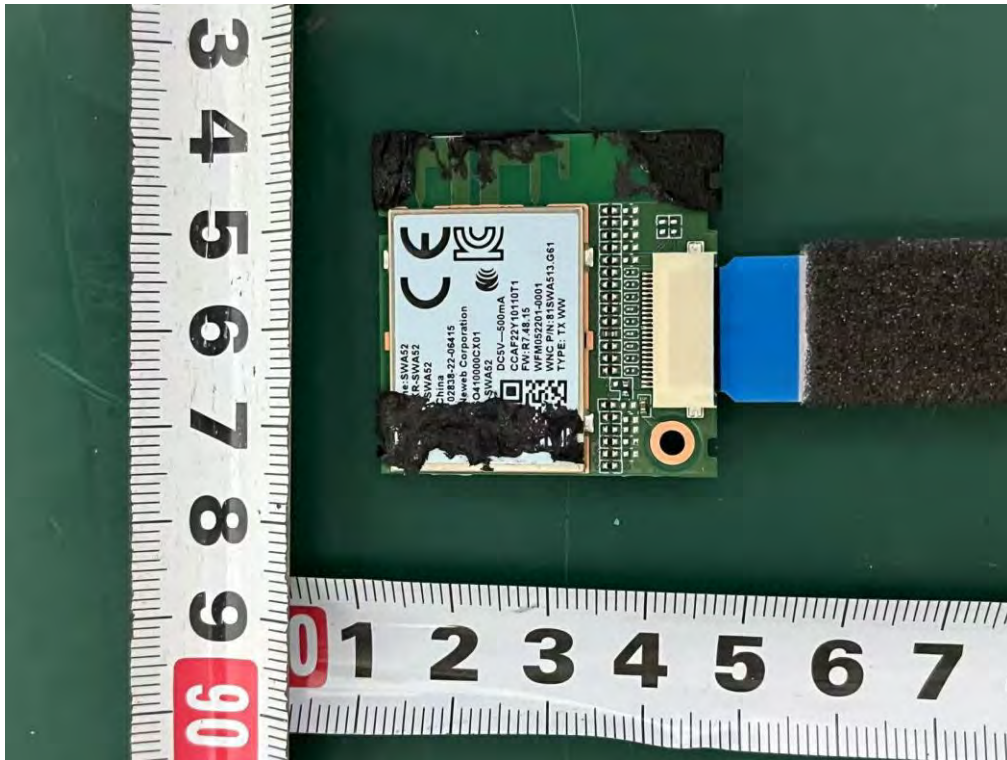
Internal Photos M/N: Shockwafe Wireless



Internal Photos M/N: Shockwave Wireless



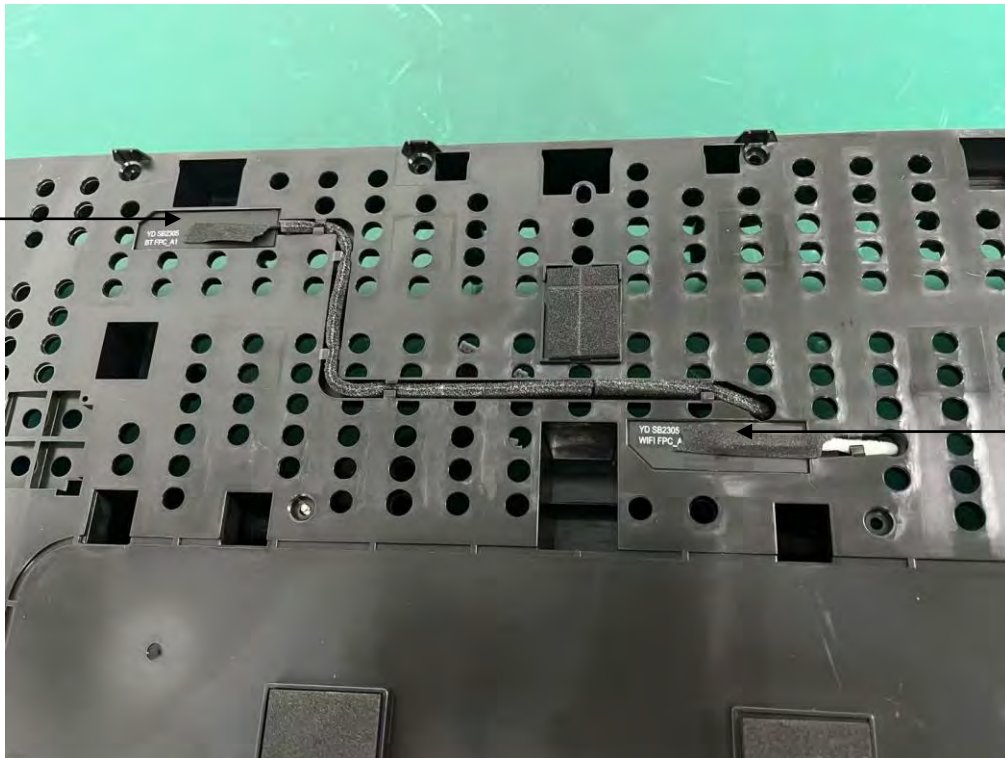
Internal Photos M/N: Shockwafe Wireless



Internal Photos M/N: Shockwafe Wireless



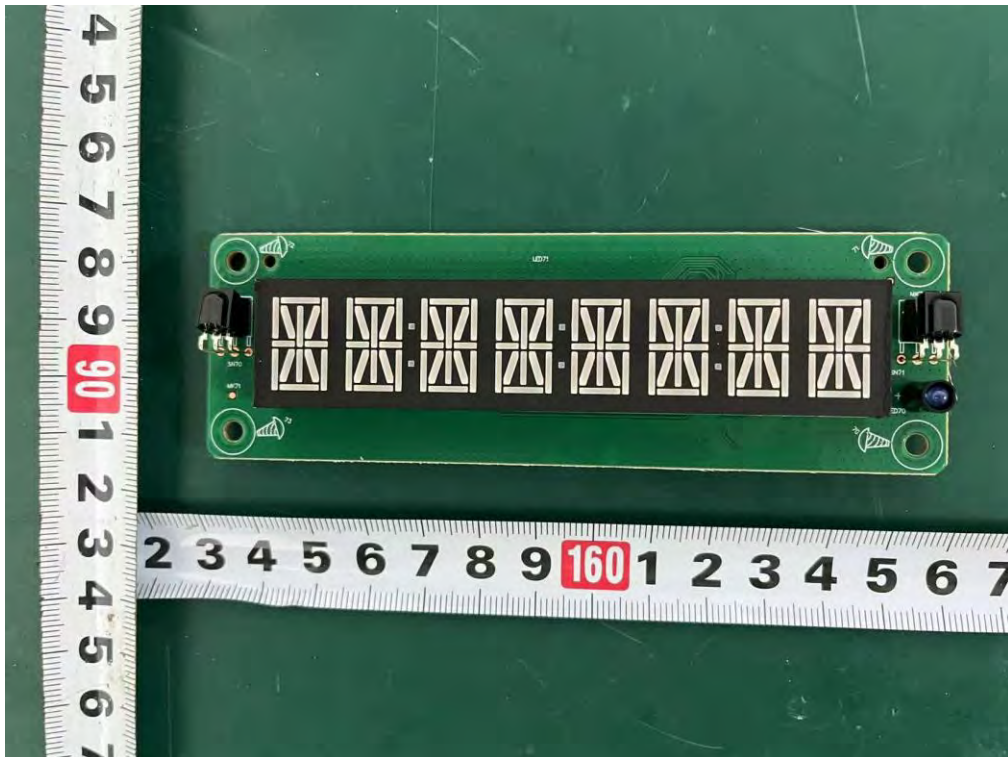
Internal Photos
M/N: Shockwafe Wireless



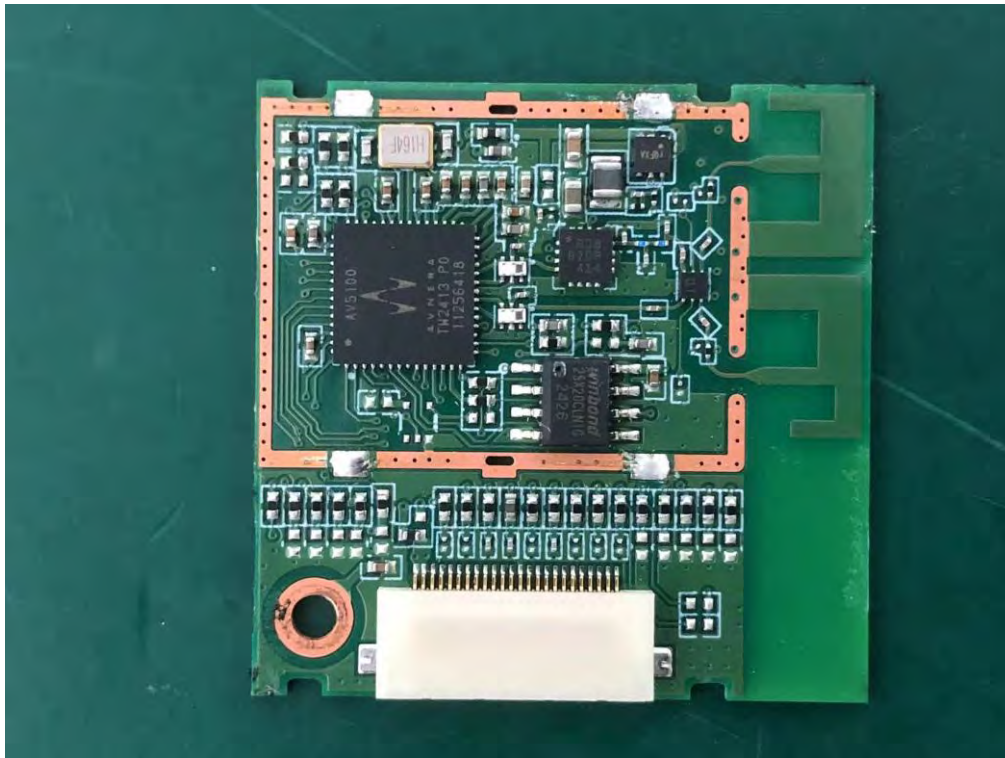
2.4G Wi-Fi
Antenna



Internal Photos M/N: Shockwafe Wireless



Internal Photos
M/N: Shockwave Wireless



End of Test Report