

Appendix D: Maximum power spectral density

Test Result

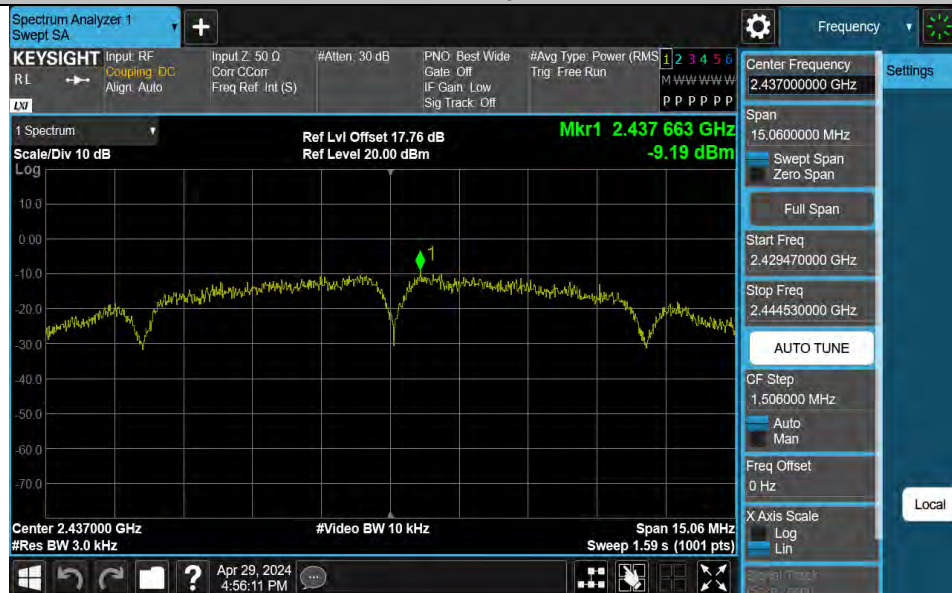
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.39	≤8.00	PASS
11B	Ant1	2437	-9.19	≤8.00	PASS
11B	Ant1	2462	-8.23	≤8.00	PASS
11G	Ant1	2412	-11.85	≤8.00	PASS
11G	Ant1	2437	-9.15	≤8.00	PASS
11G	Ant1	2462	-11.05	≤8.00	PASS
11N20SISO	Ant1	2412	-10.77	≤8.00	PASS
11N20SISO	Ant1	2437	-10.92	≤8.00	PASS
11N20SISO	Ant1	2462	-9.95	≤8.00	PASS
11N40SISO	Ant1	2422	-14.13	≤8.00	PASS
11N40SISO	Ant1	2437	-13.87	≤8.00	PASS
11N40SISO	Ant1	2452	-14.85	≤8.00	PASS

Test Graphs

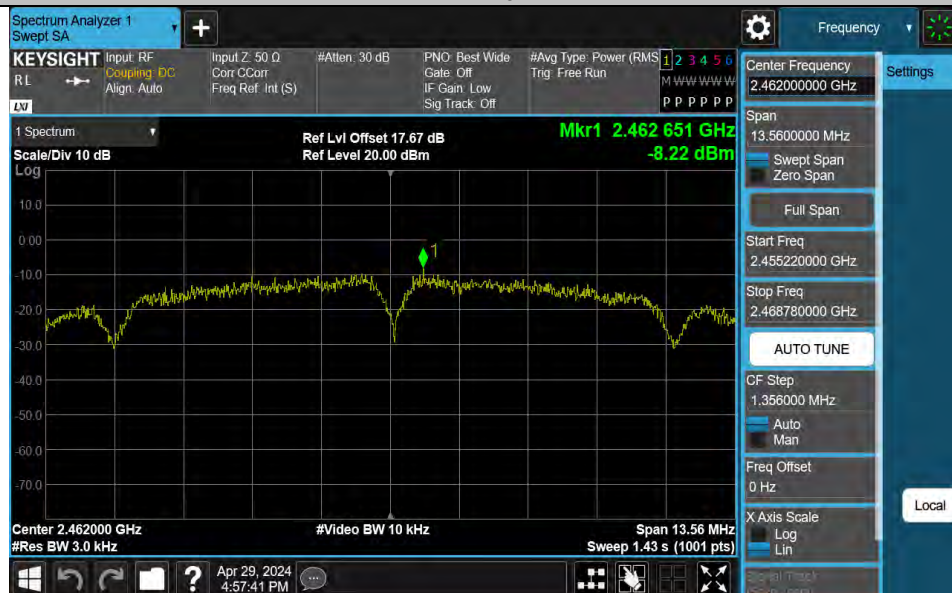
11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



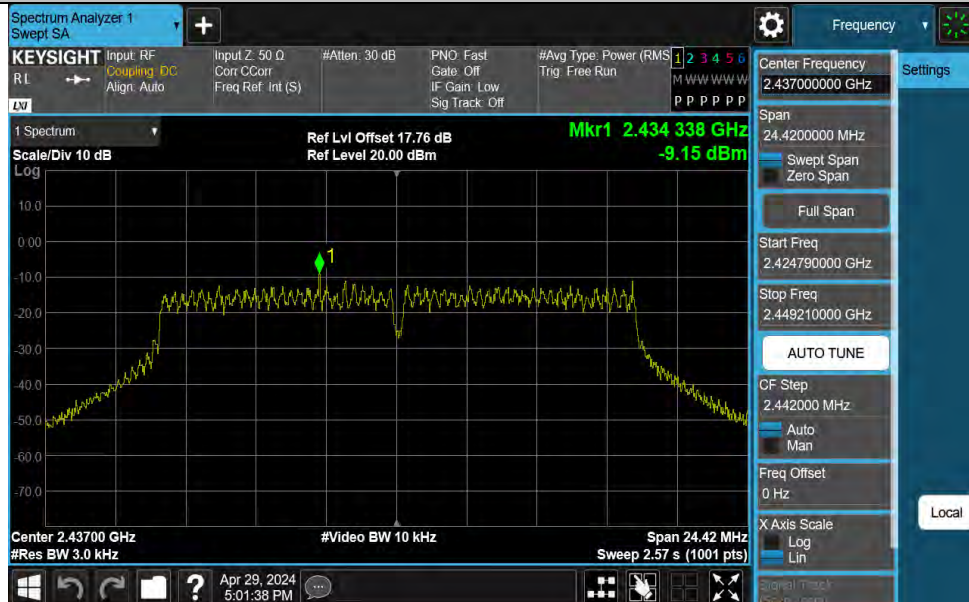
11B-Ant1-2462-PASS



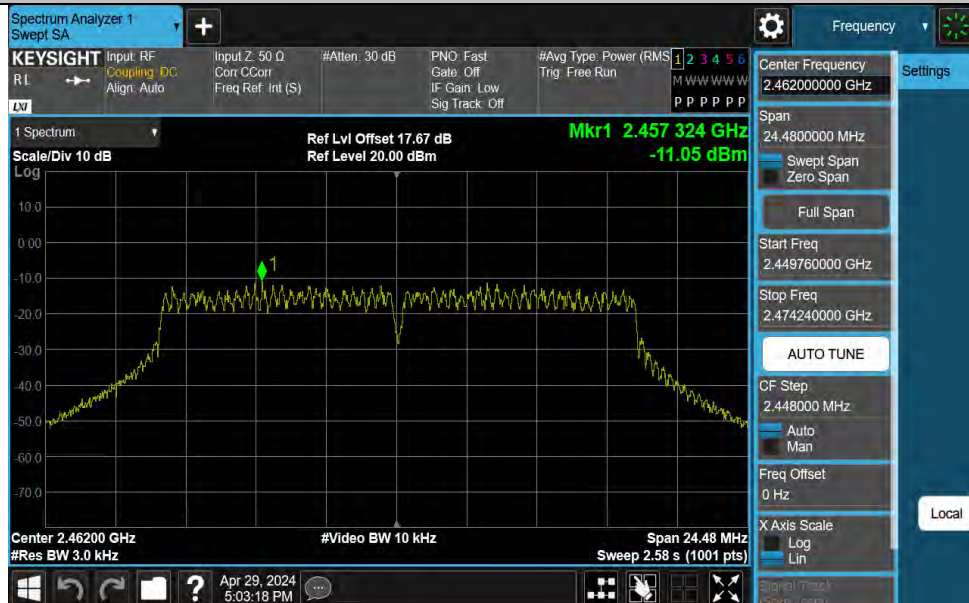
11G-Ant1-2412-PASS



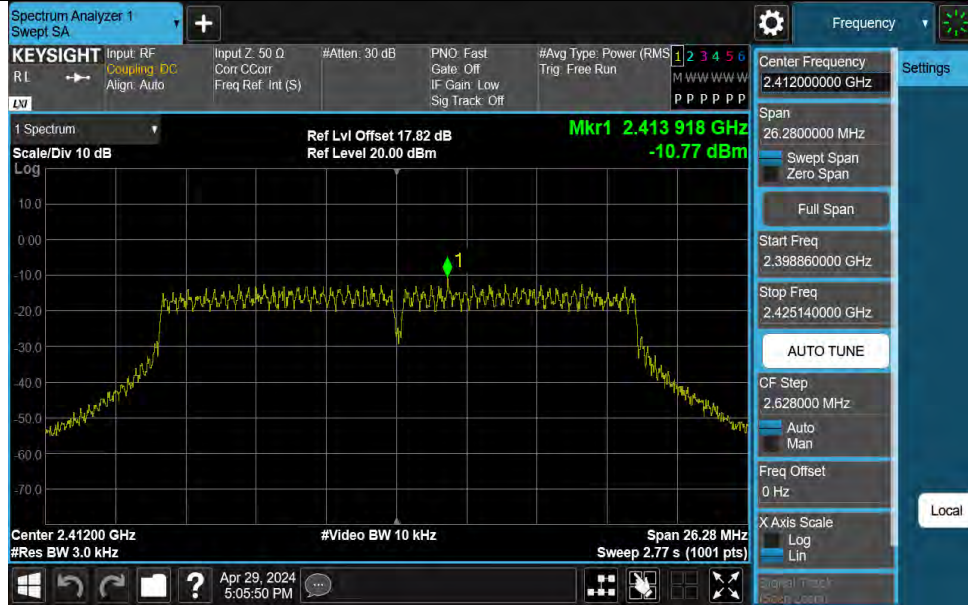
11G-Ant1-2437-PASS



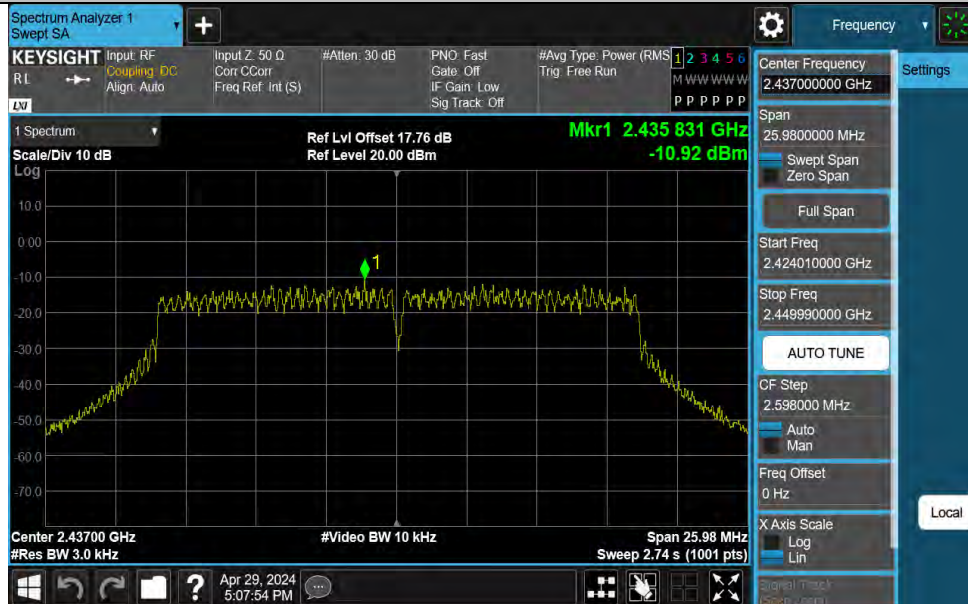
11G-Ant1-2462-PASS



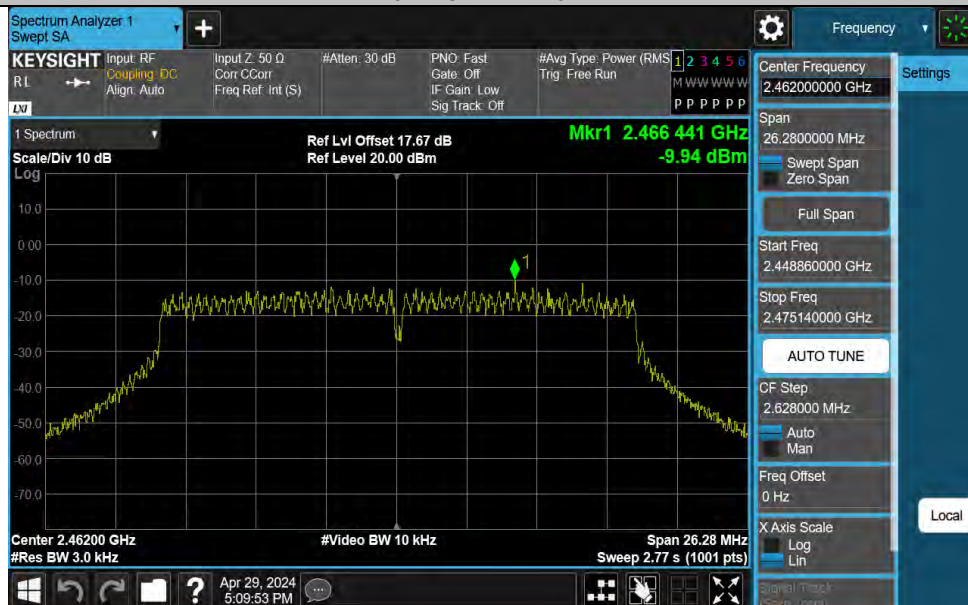
11N20SISO-Ant1-2412-PASS



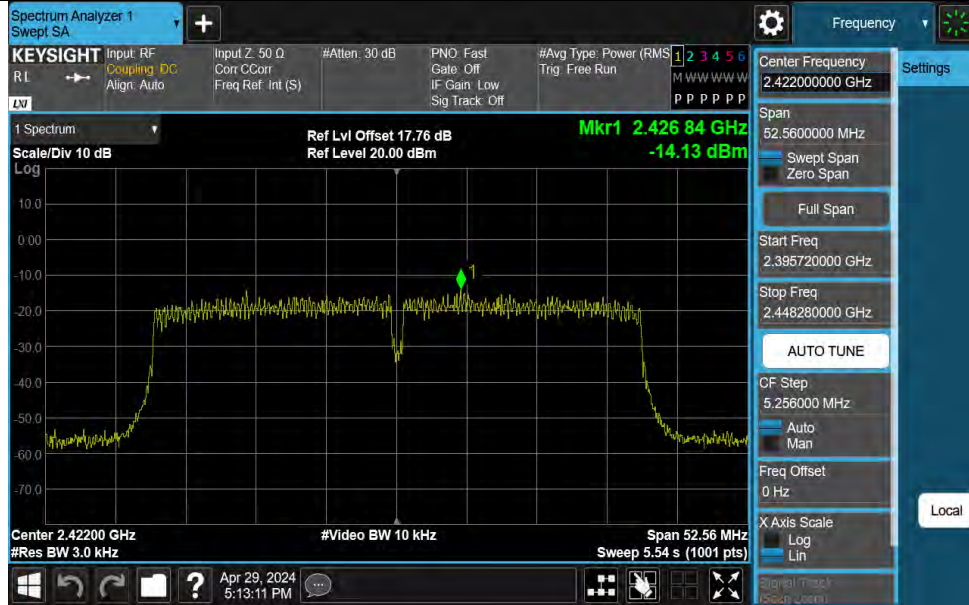
11N20SISO-Ant1-2437-PASS



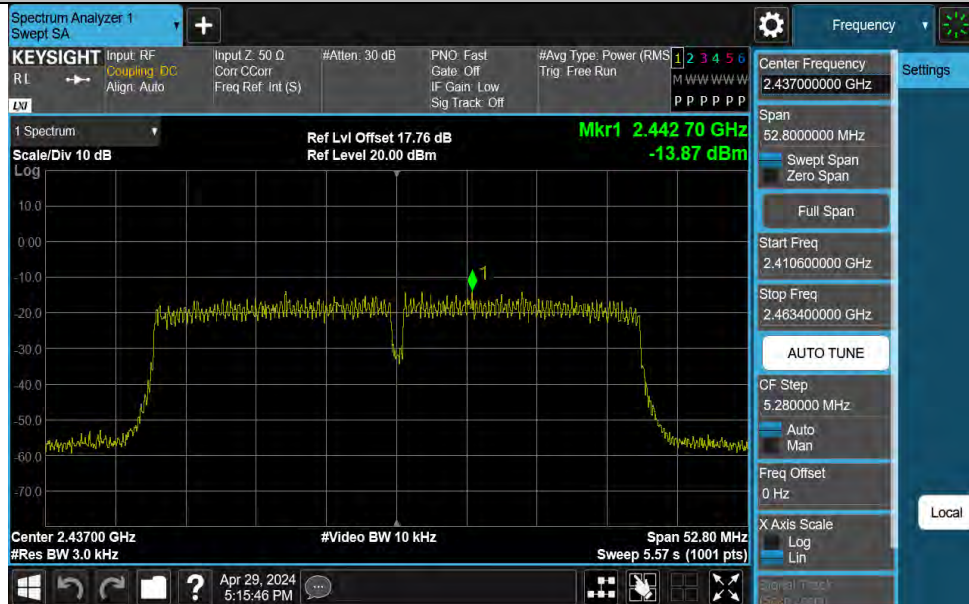
11N20SISO-Ant1-2462-PASS



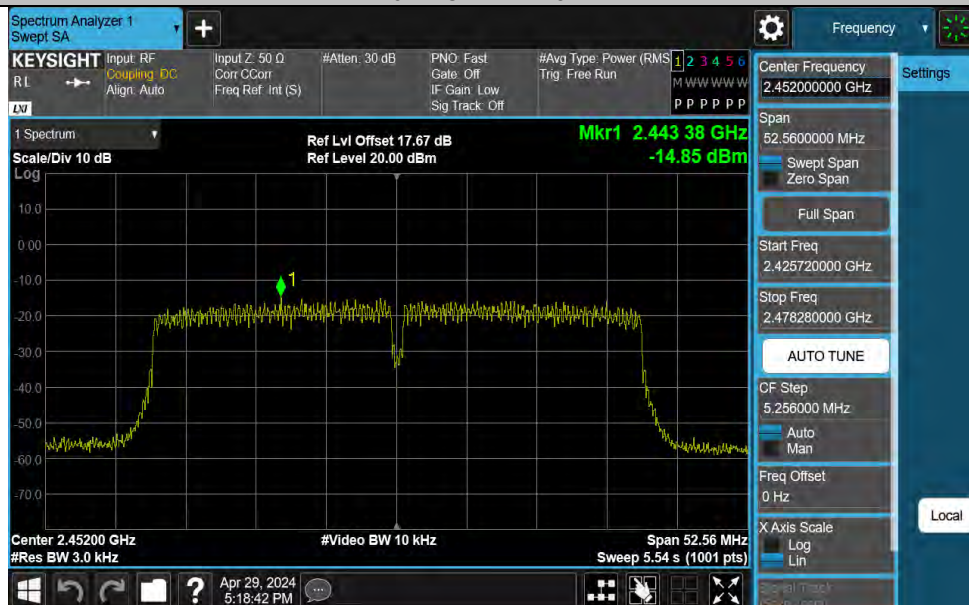
11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



Appendix E: Reference level measurement

Test Result

Test Mode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2413.08	4.46
11B	Ant1	2437	2436.58	4.76
11B	Ant1	2462	2461.57	4.39
11G	Ant1	2412	2414.57	1.67
11G	Ant1	2437	2444.59	1.82
11G	Ant1	2462	2465.82	2.19
11N20SISO	Ant1	2412	2418.33	1.95
11N20SISO	Ant1	2437	2430.82	2.11
11N20SISO	Ant1	2462	2465.84	2.28
11N40SISO	Ant1	2422	2424.63	-0.31
11N40SISO	Ant1	2437	2440.80	-0.22
11N40SISO	Ant1	2452	2455.84	-0.16

Test Graphs

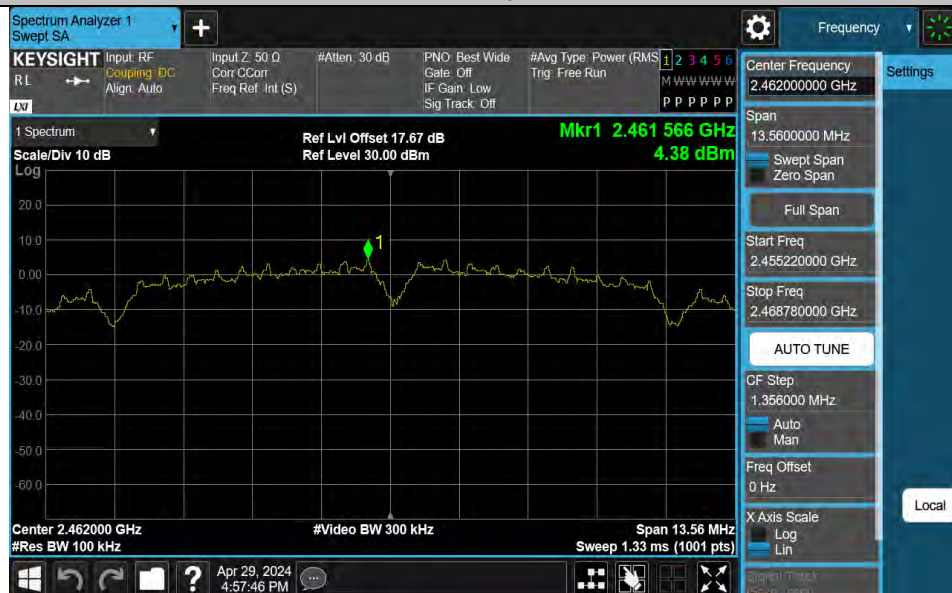
11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



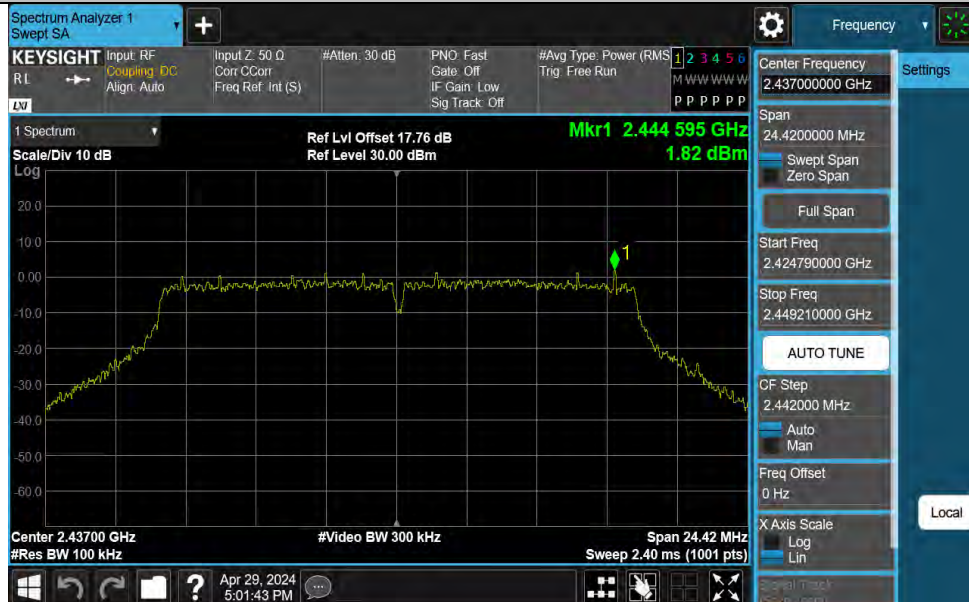
11B-Ant1-2462-PASS



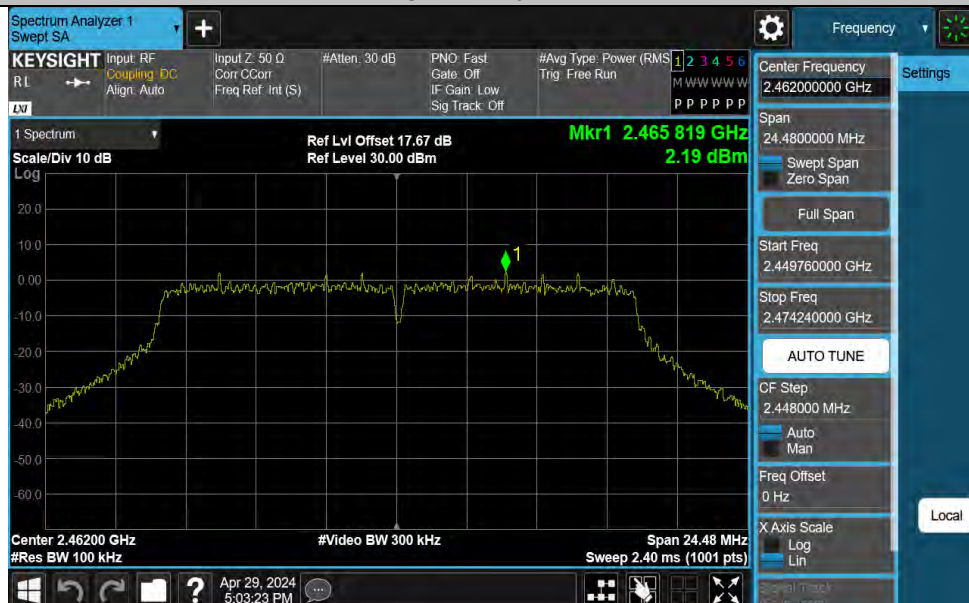
11G-Ant1-2412-PASS



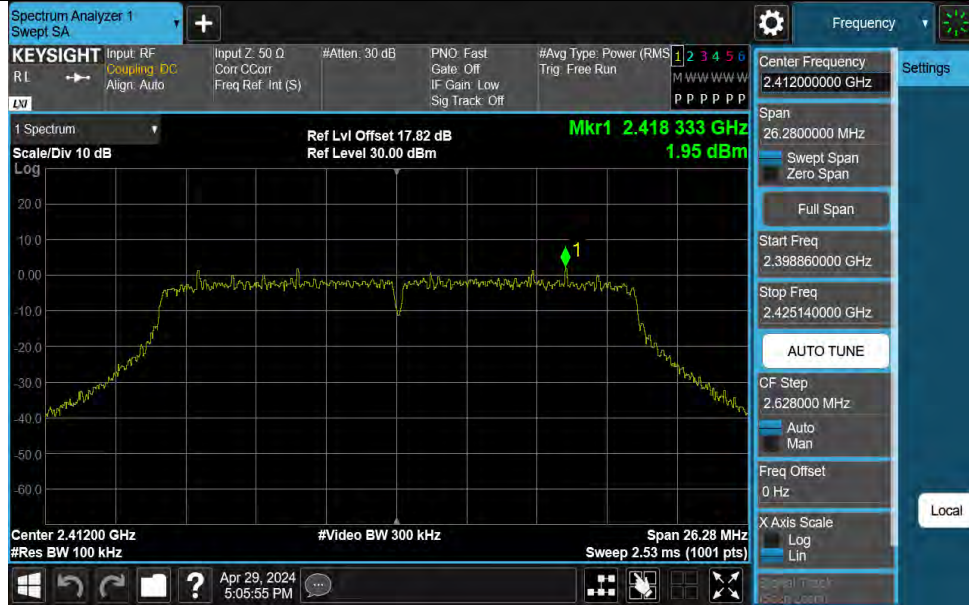
11G-Ant1-2437-PASS



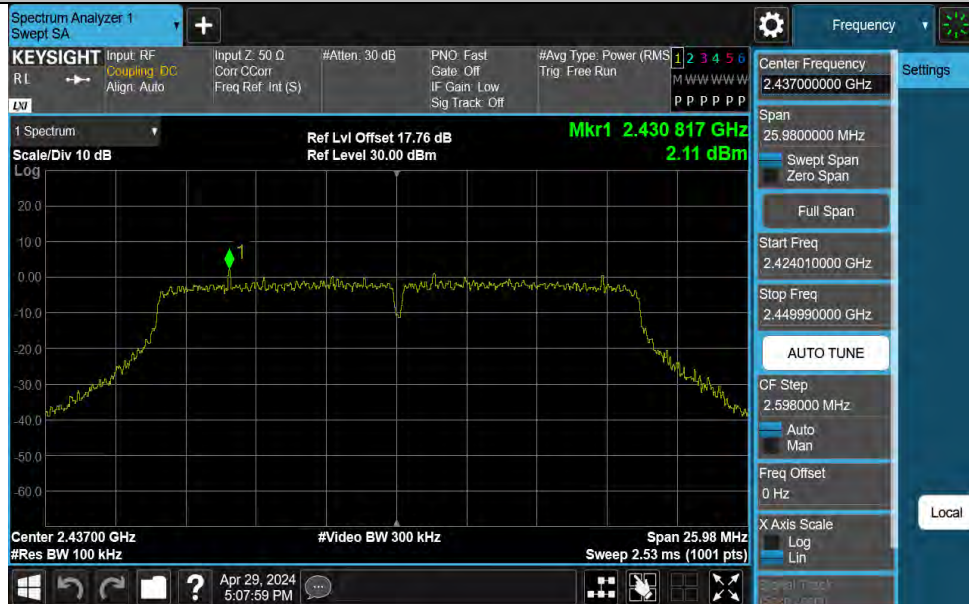
11G-Ant1-2462-PASS



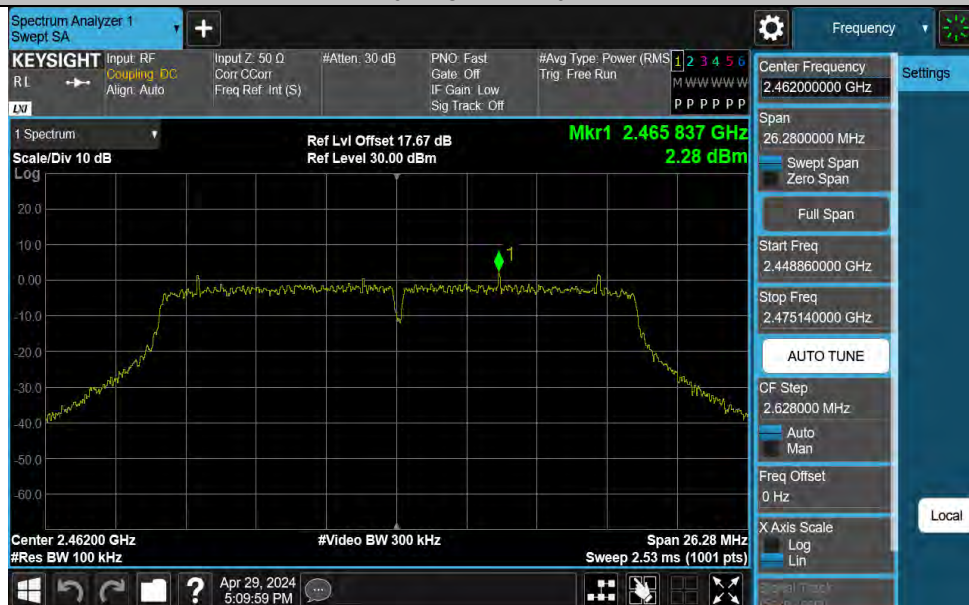
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS



Appendix F: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.46	-38.74	≤ -15.54	PASS
11B	Ant1	High	2462	4.39	-41.01	≤ -15.61	PASS
11G	Ant1	Low	2412	1.67	-35.69	≤ -18.33	PASS
11G	Ant1	High	2462	2.19	-41.04	≤ -17.81	PASS
11N20SISO	Ant1	Low	2412	1.95	-34.68	≤ -18.05	PASS
11N20SISO	Ant1	High	2462	2.28	-40.65	≤ -17.72	PASS
11N40SISO	Ant1	Low	2422	-0.31	-38.14	≤ -20.31	PASS
11N40SISO	Ant1	High	2452	-0.16	-40.55	≤ -20.16	PASS

Test Graphs

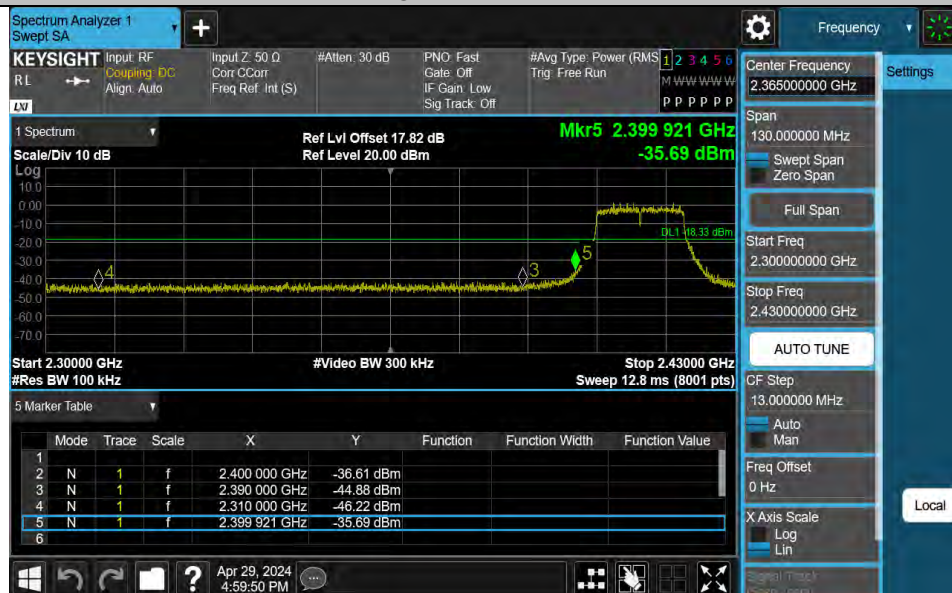
11B-Ant1-2412-PASS



11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



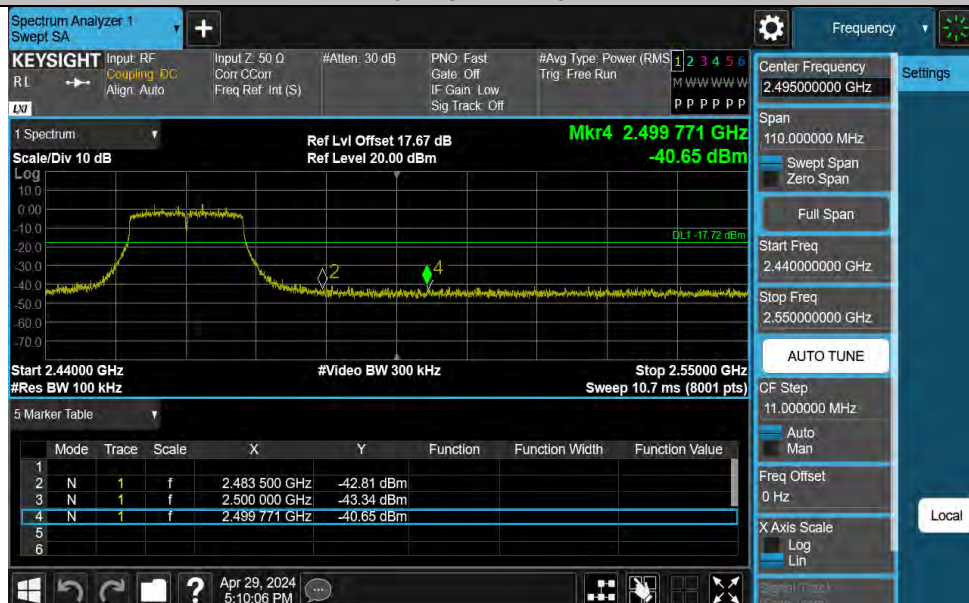
11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS



Appendix G: Conducted Spurious Emission Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~26500	4.46	-42.96	≤-15.54	PASS
11B	Ant1	2437	30~26500	4.76	-43.38	≤-15.24	PASS
11B	Ant1	2462	30~26500	4.39	-43.25	≤-15.61	PASS
11G	Ant1	2412	30~26500	1.67	-43.59	≤-18.33	PASS
11G	Ant1	2437	30~26500	1.82	-42.77	≤-18.18	PASS
11G	Ant1	2462	30~26500	2.19	-43.41	≤-17.81	PASS
11N20SISO	Ant1	2412	30~26500	1.95	-42.02	≤-18.05	PASS
11N20SISO	Ant1	2437	30~26500	2.11	-43.26	≤-17.89	PASS
11N20SISO	Ant1	2462	30~26500	2.28	-43.27	≤-17.72	PASS
11N40SISO	Ant1	2422	30~26500	-0.31	-42.96	≤-20.31	PASS
11N40SISO	Ant1	2437	30~26500	-0.22	-43.62	≤-20.22	PASS
11N40SISO	Ant1	2452	30~26500	-0.16	-43.38	≤-20.16	PASS

Test Graphs

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



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



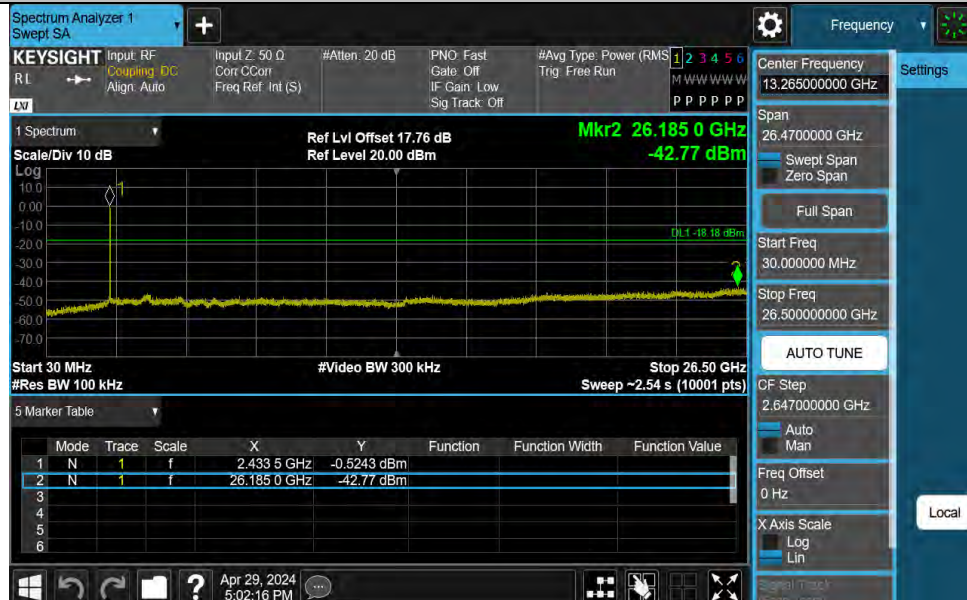
11B-Ant1-2462-30~26500-PASS



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 H: Duty Cycle Test Result

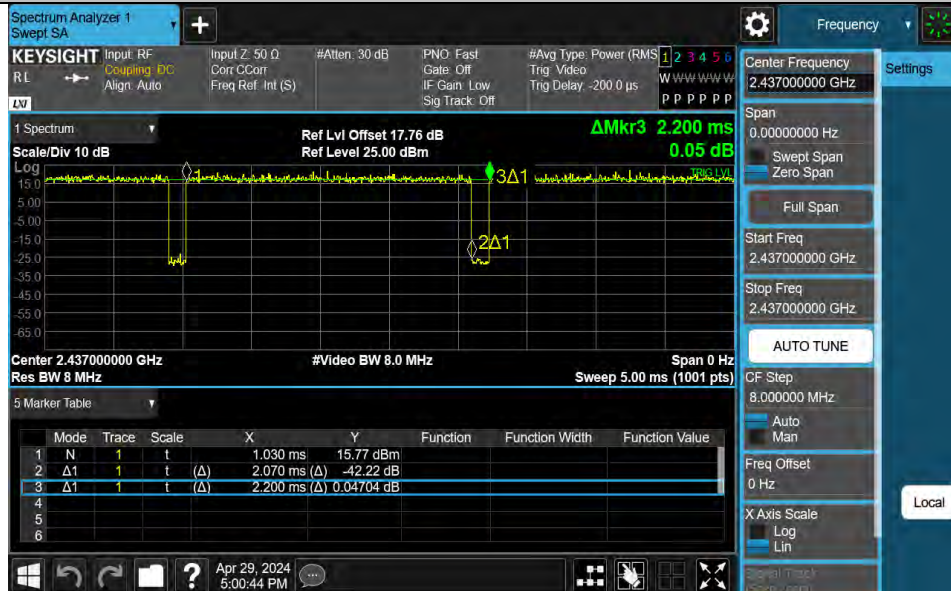
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2437	12.42	12.54	99.04
11G	Ant1	2437	2.07	2.20	94.09
11N20SISO	Ant1	2437	1.92	2.05	93.66
11N40SISO	Ant1	2437	0.94	1.07	87.85

Test Graphs

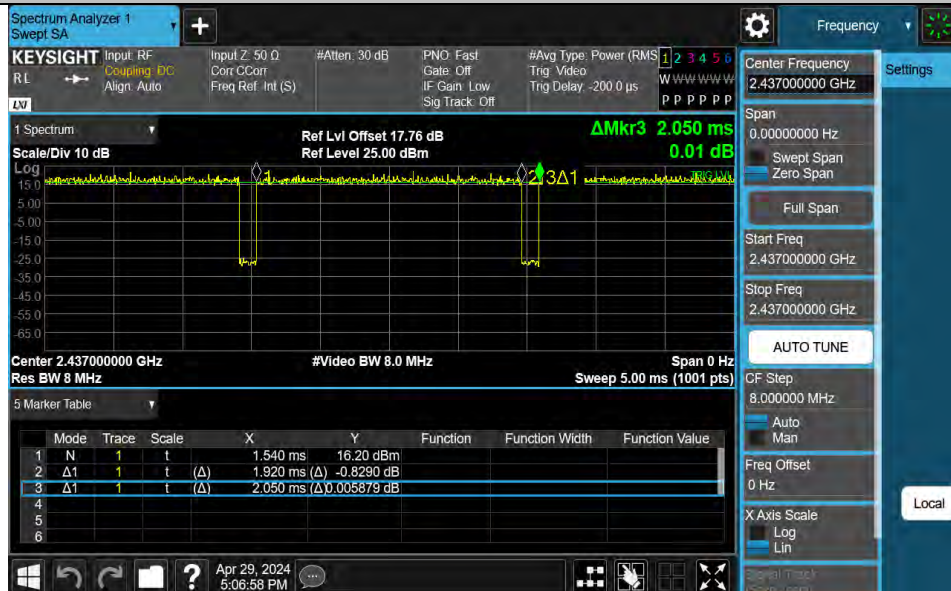
NTNV-11B-Ant1-2437

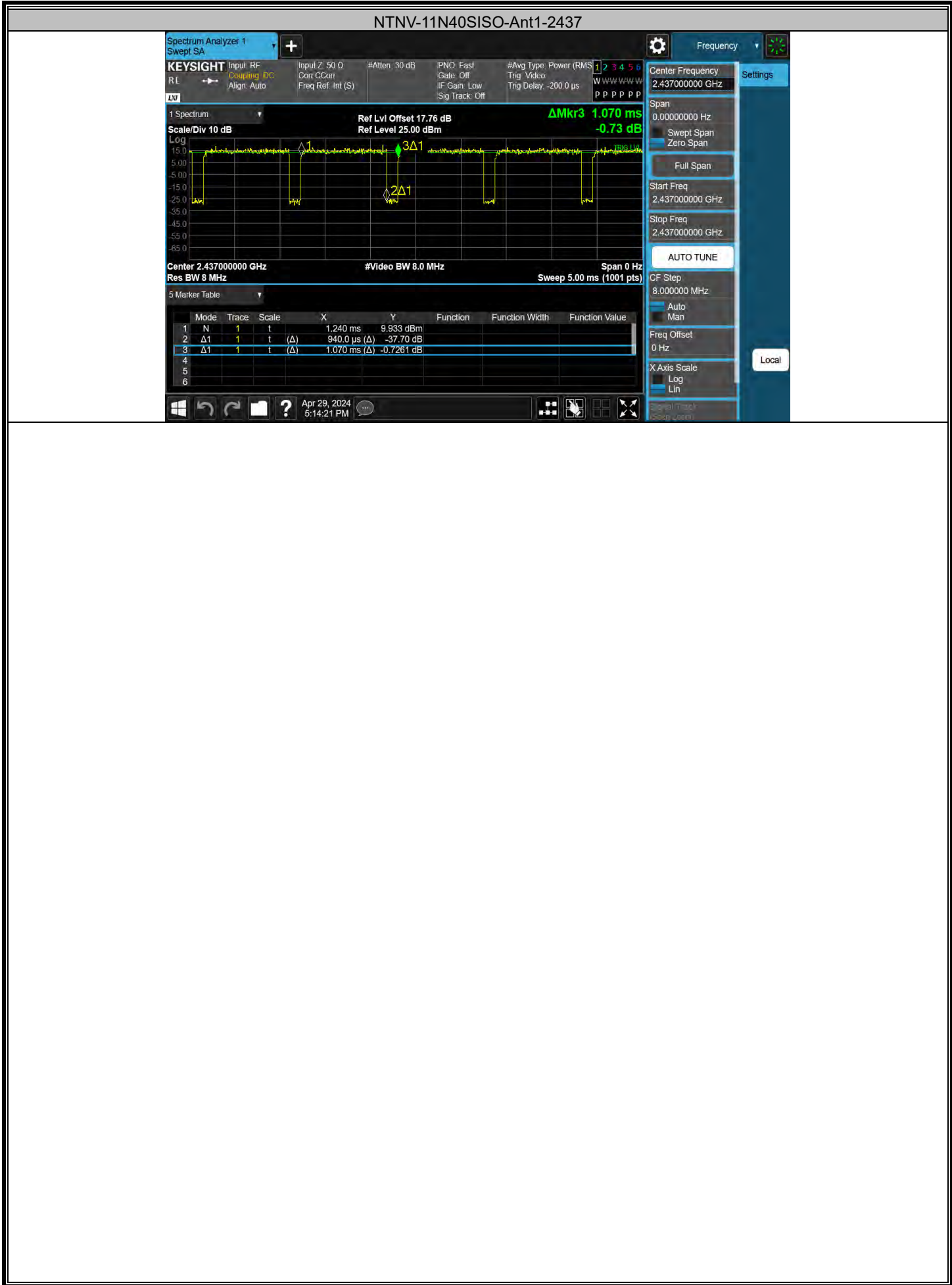


NTNV-11G-Ant1-2437



NTNV-11N20SISO-Ant1-2437



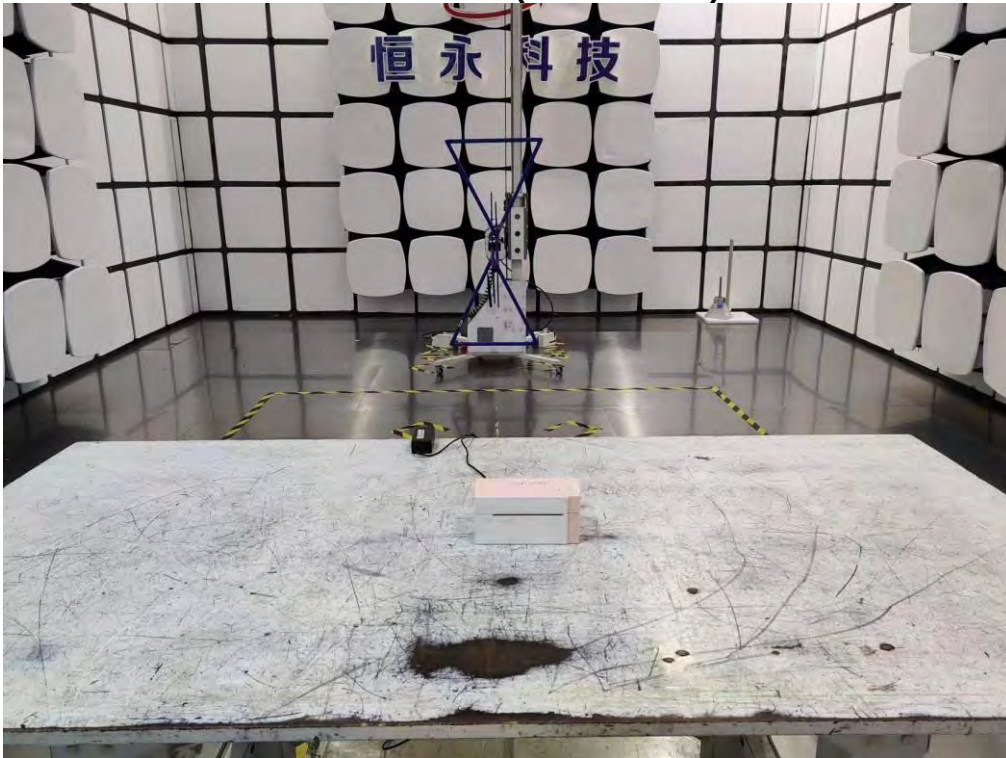


12. TEST SETUP PHOTO

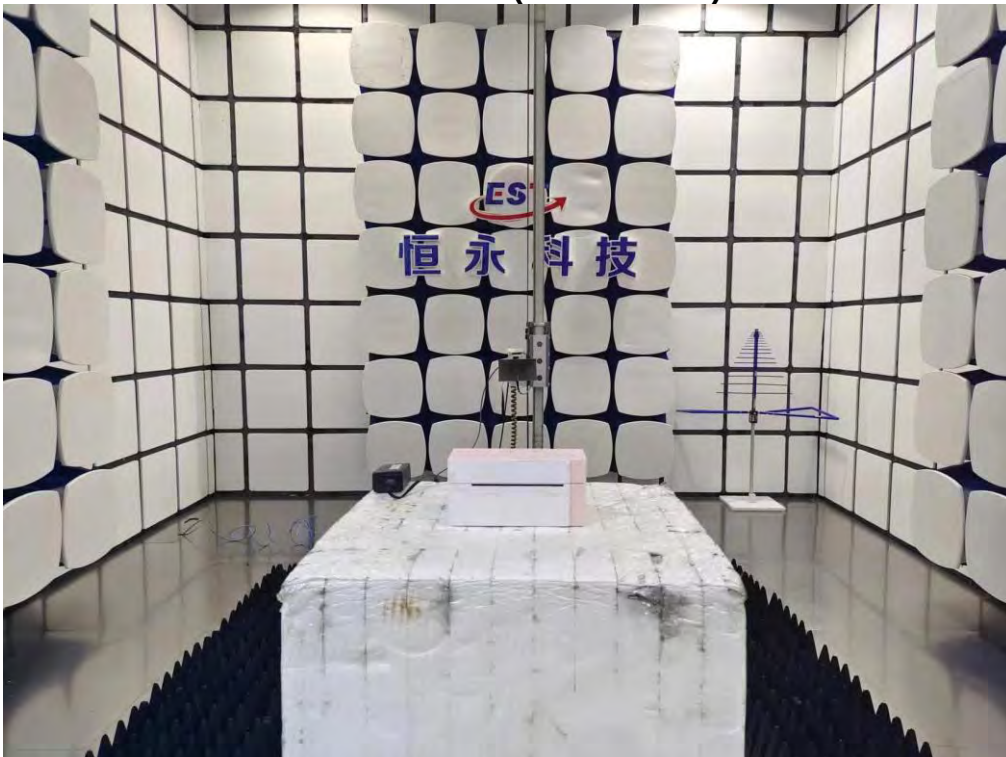
Conducted Test



Radiated Test (Below 1GHz)

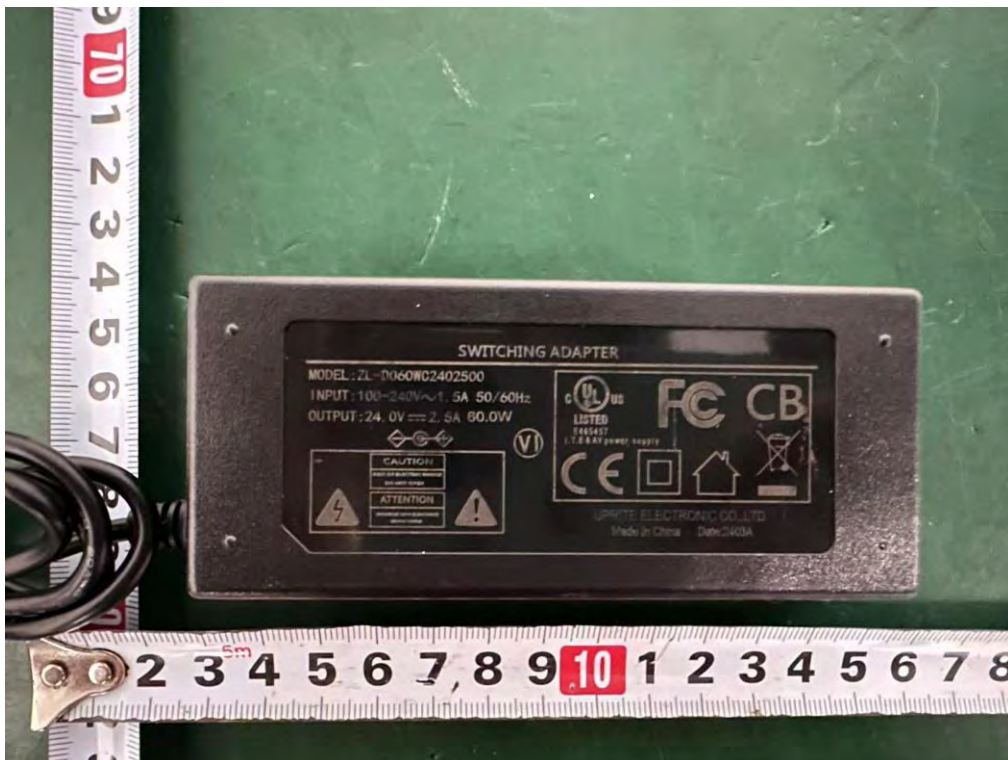


Radiated Test (Above 1GHz)

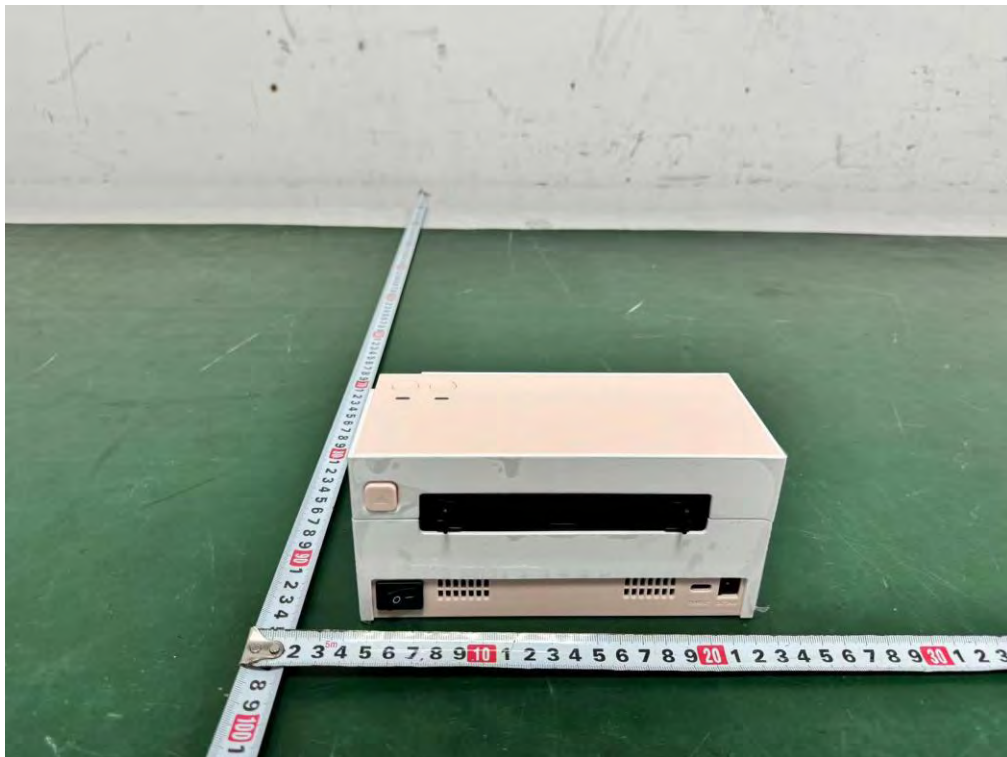
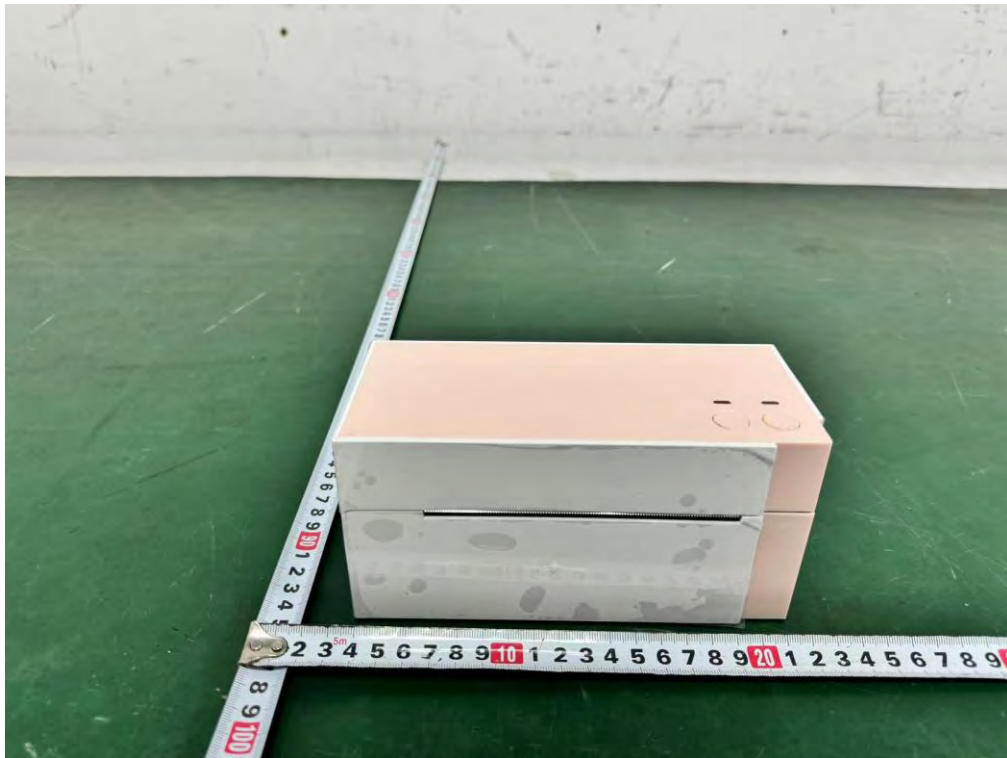


13. EUT PHOTO

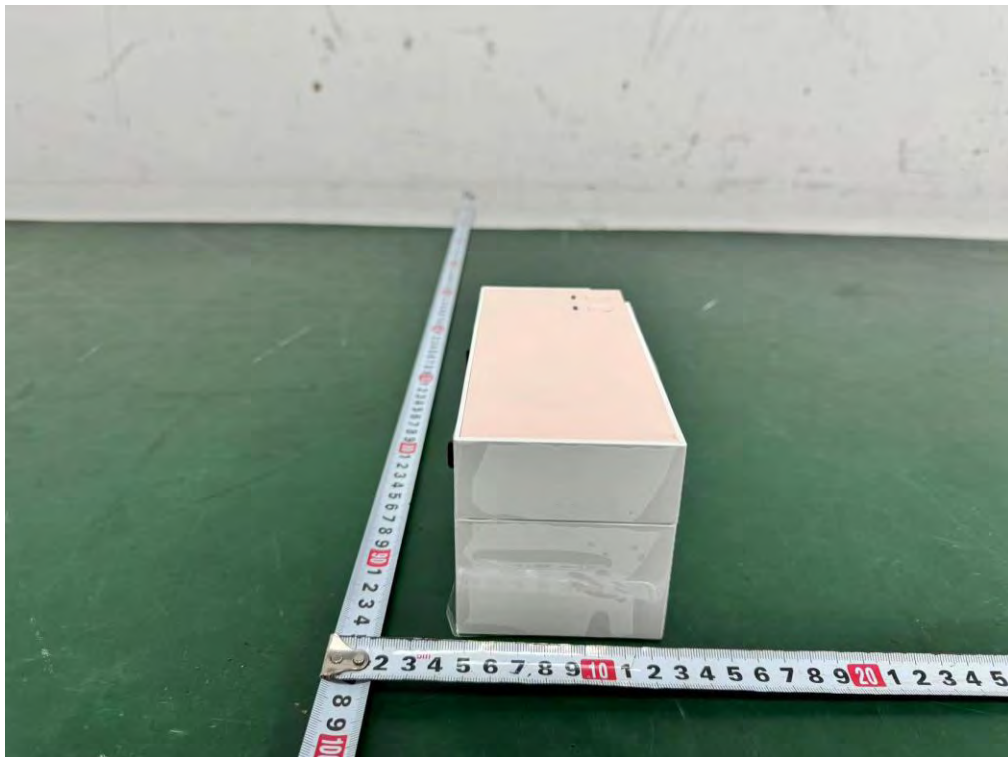
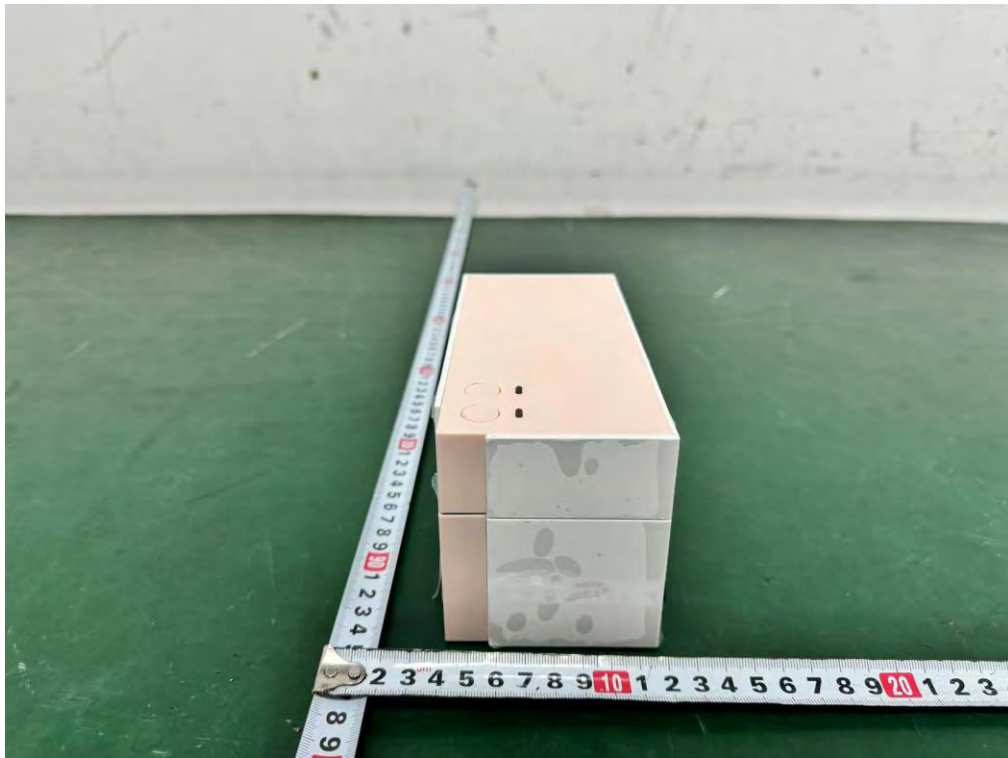
External Photos M/N: PM-344-WF



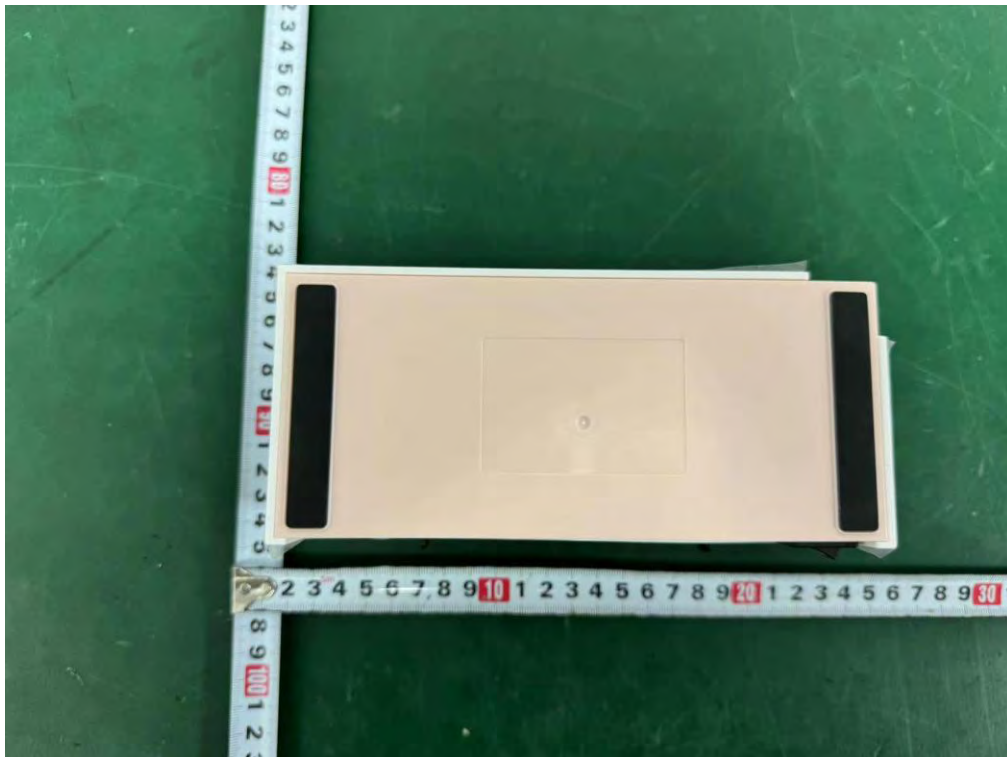
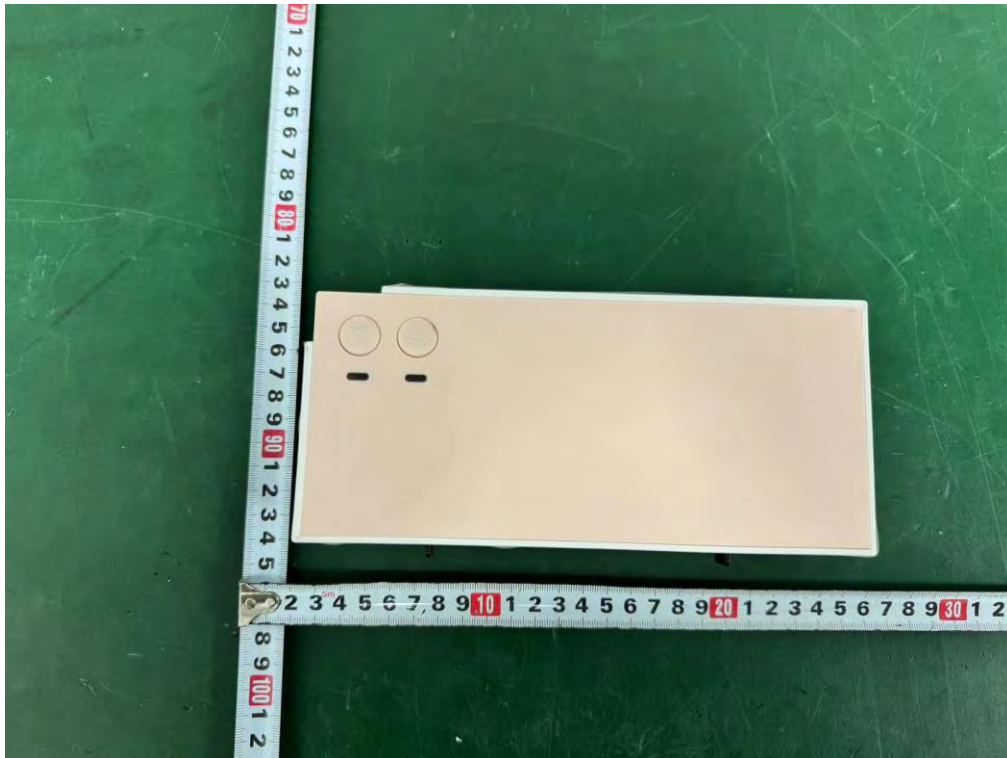
External Photos
M/N: PM-344-WF



External Photos
M/N: PM-344-WF

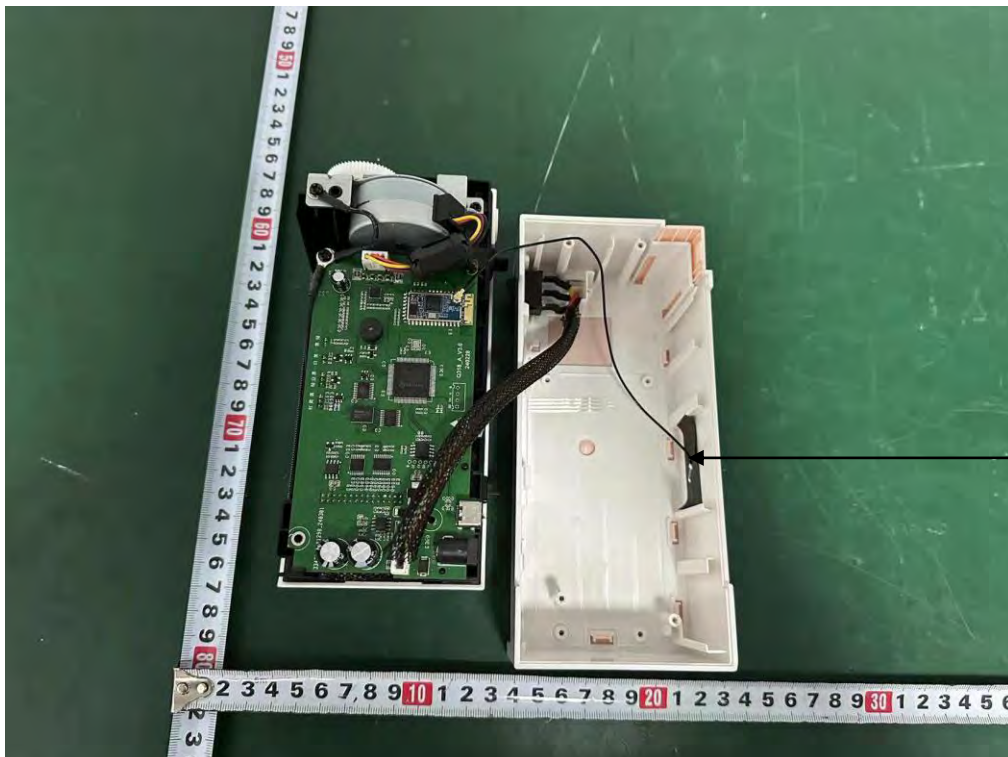


External Photos
M/N: PM-344-WF



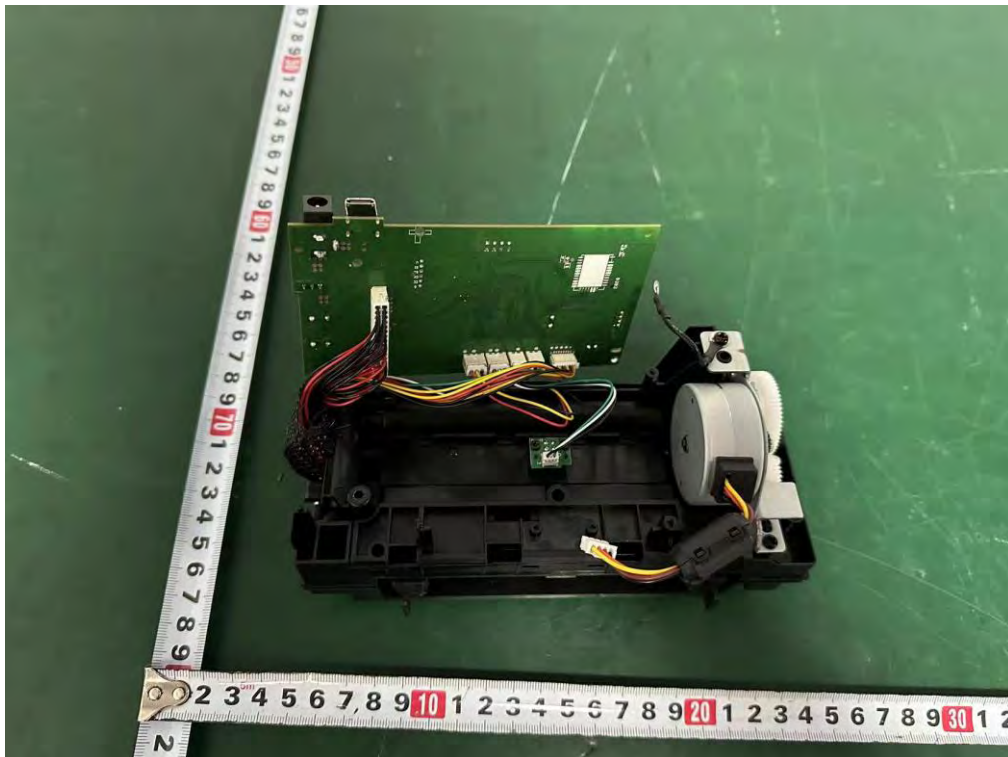
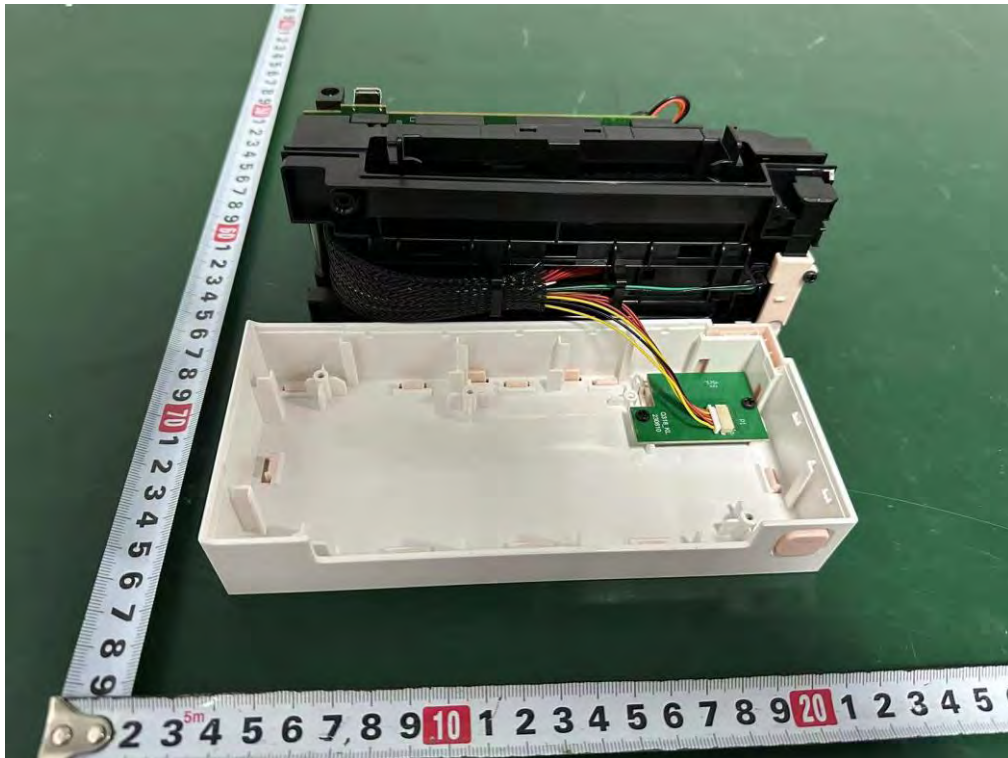
Internal Photos

M/N: PM-344-WF

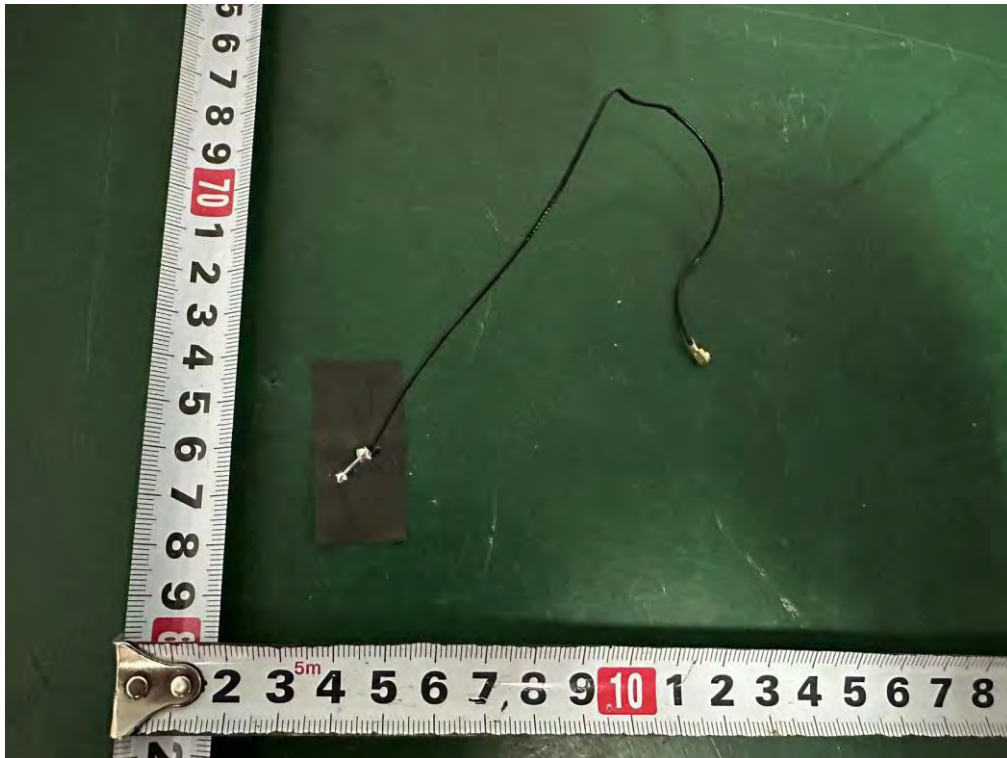


Bluetooth/
2.4G Wi-Fi/
5G Wi-Fi/

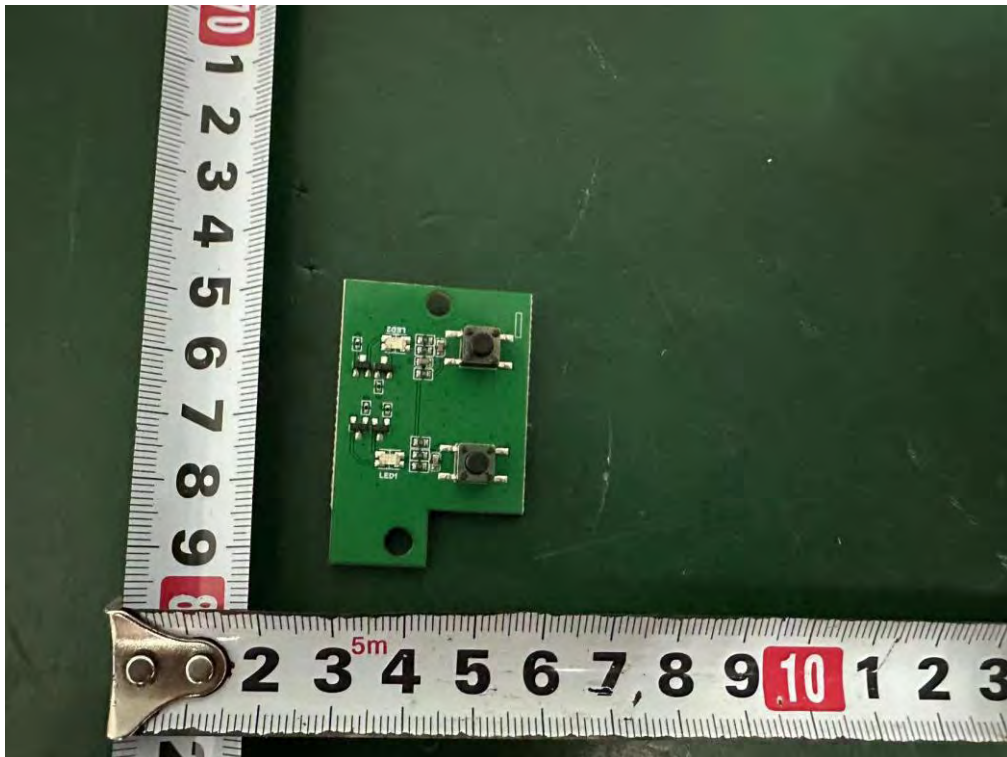
Internal Photos
M/N: PM-344-WF



Internal Photos M/N: PM-344-WF

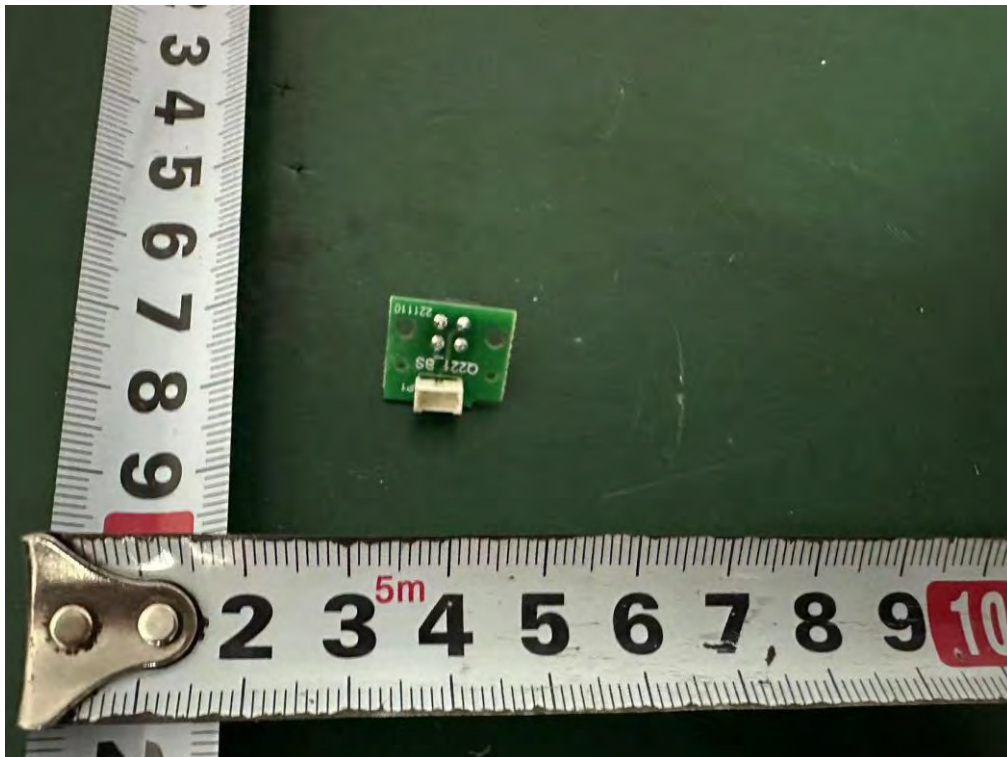
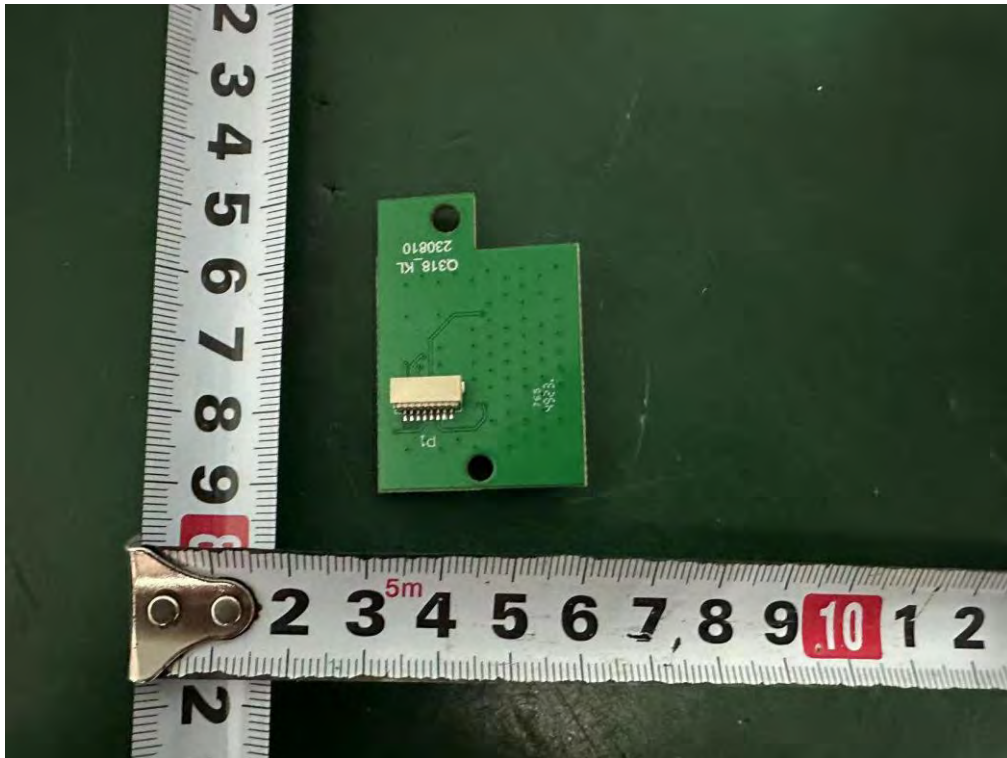


Internal Photos M/N: PM-344-WF

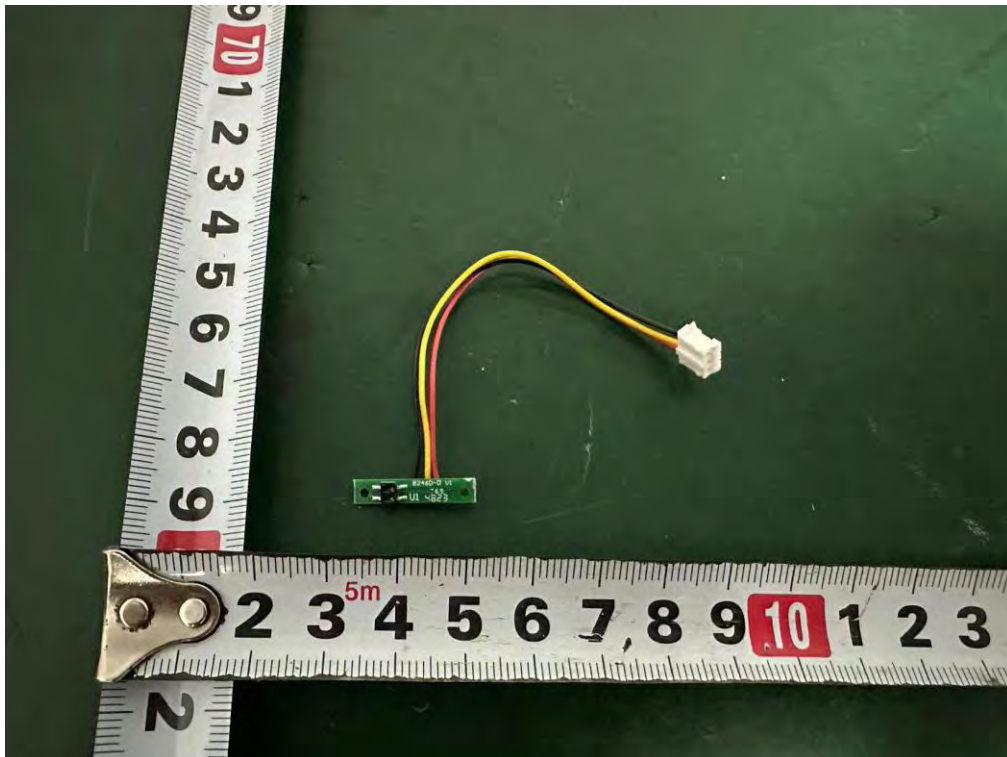
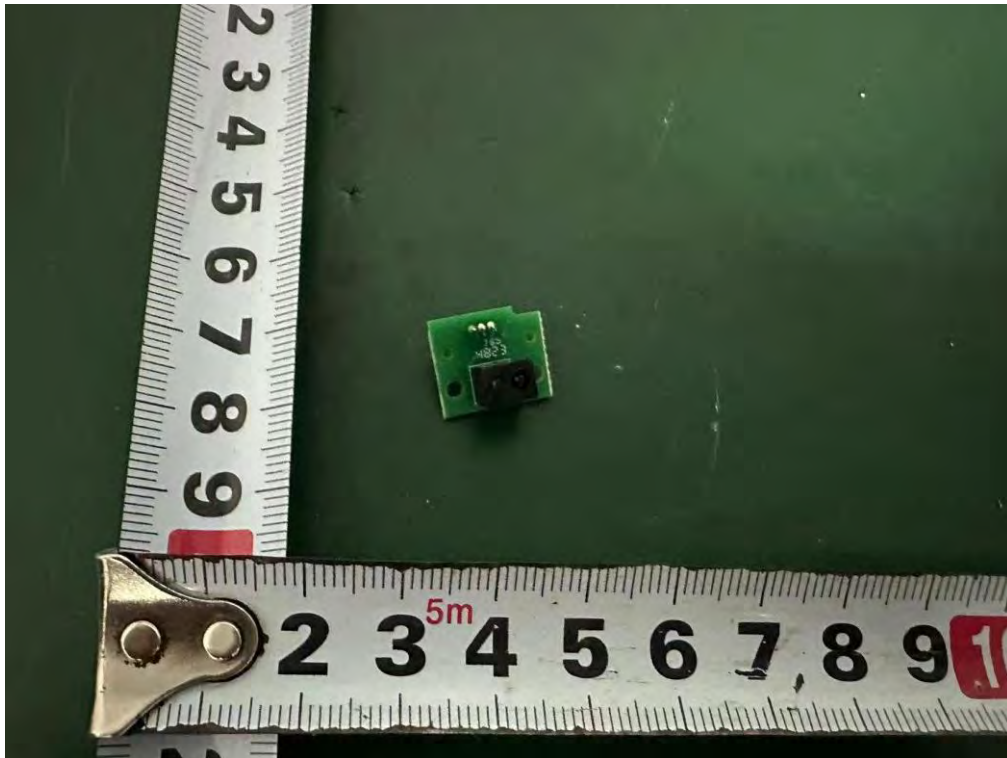


Internal Photos

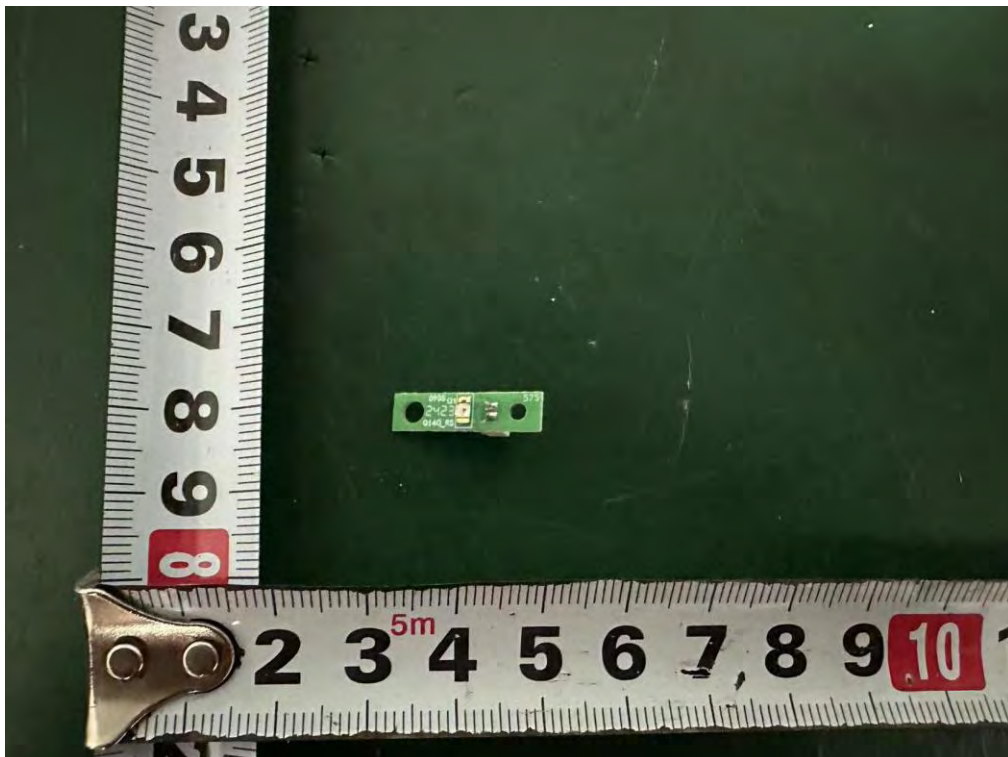
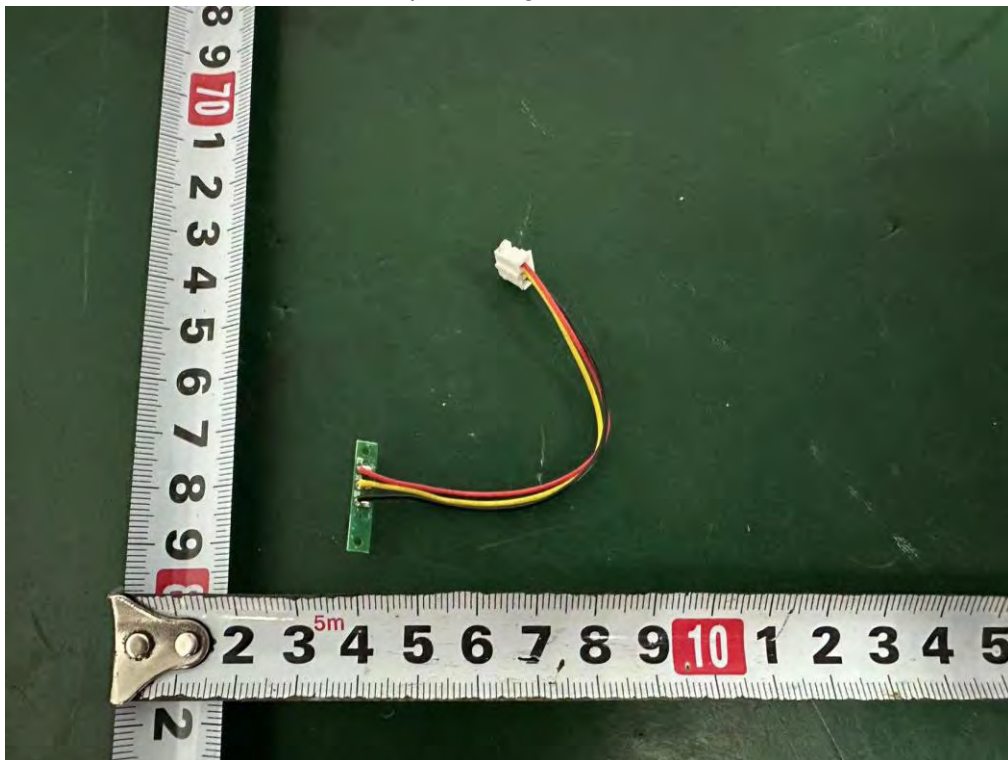
M/N: PM-344-WF



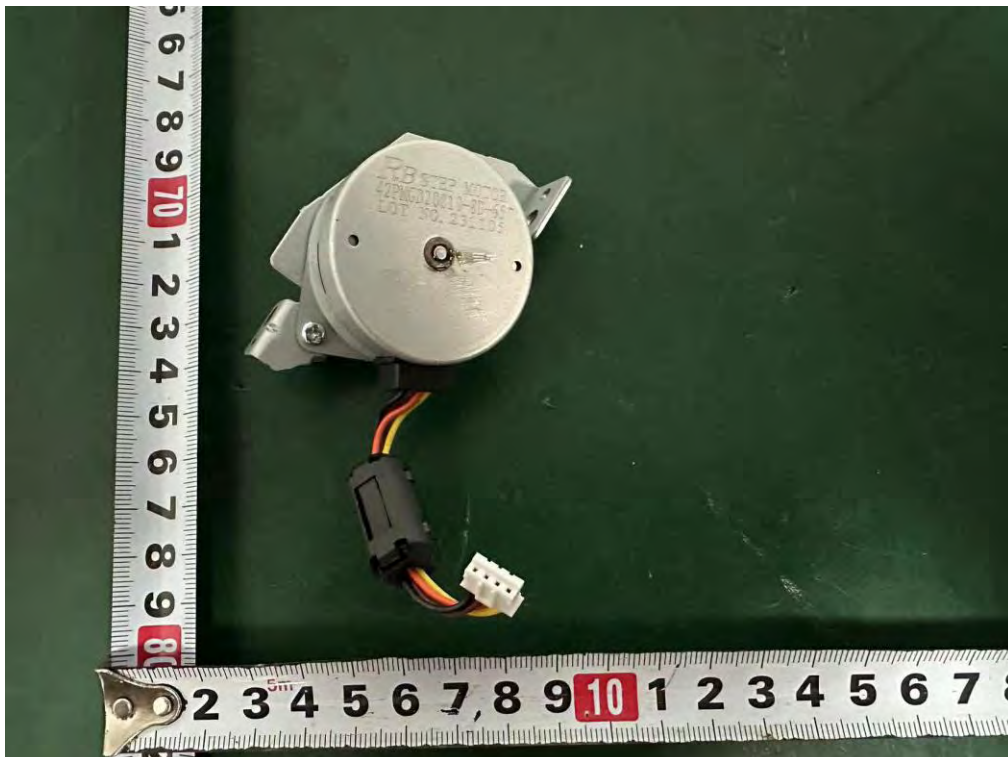
Internal Photos
M/N: PM-344-WF



Internal Photos
M/N: PM-344-WF



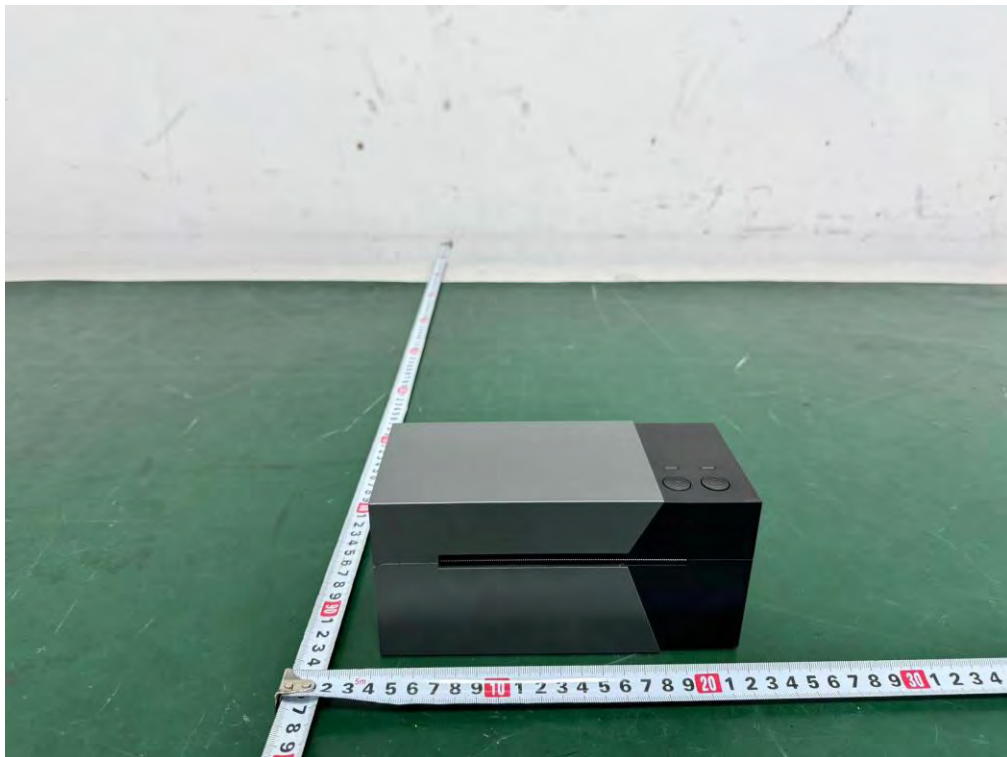
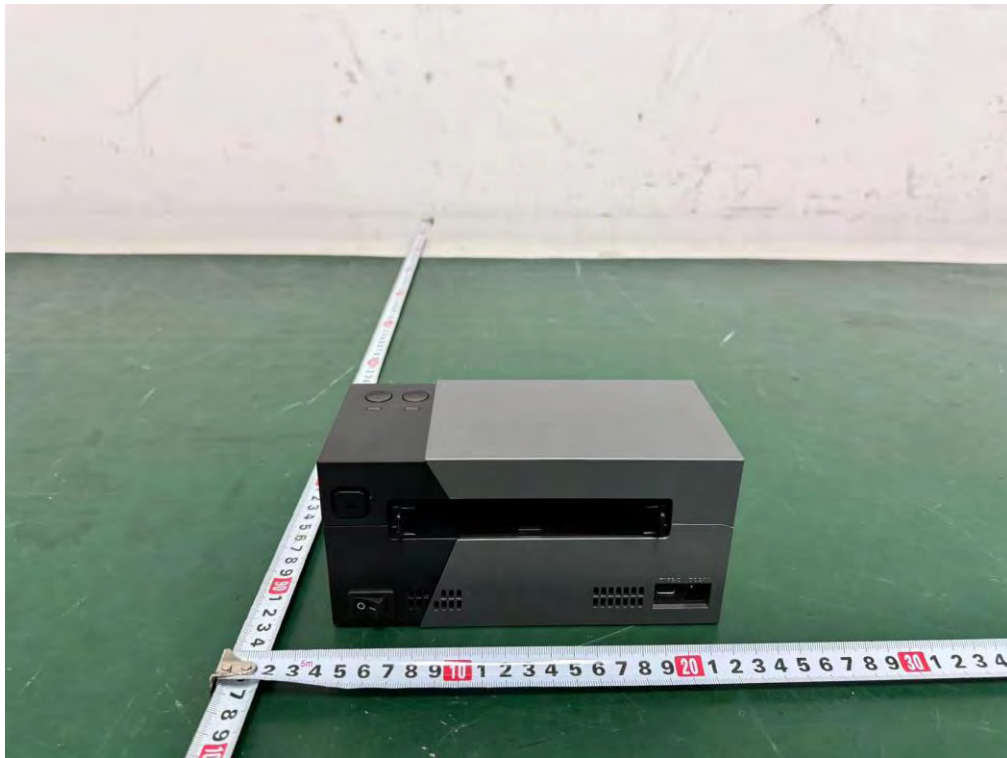
Internal Photos
M/N: PM-344-WF



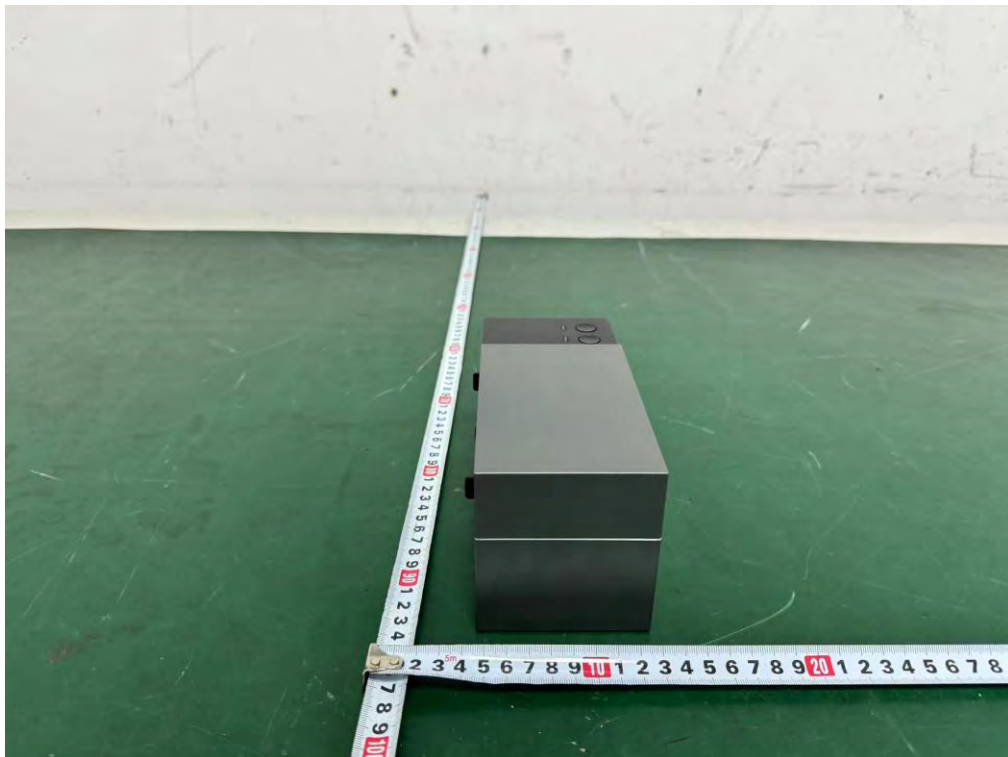
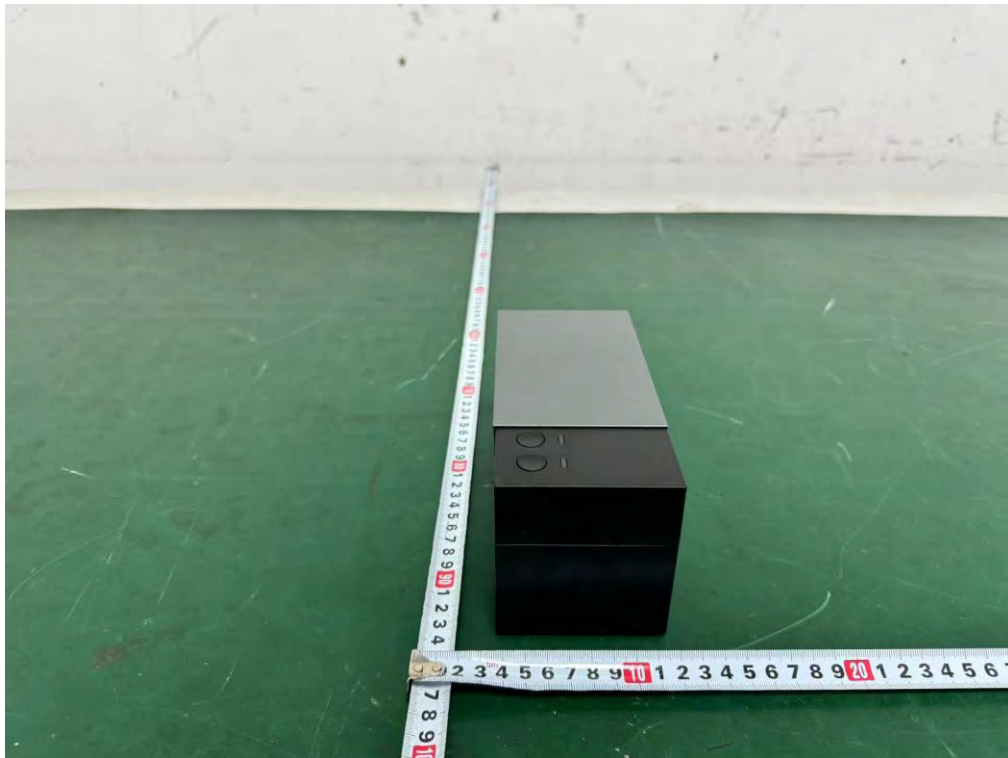
Internal Photos
M/N: PM-344-WF



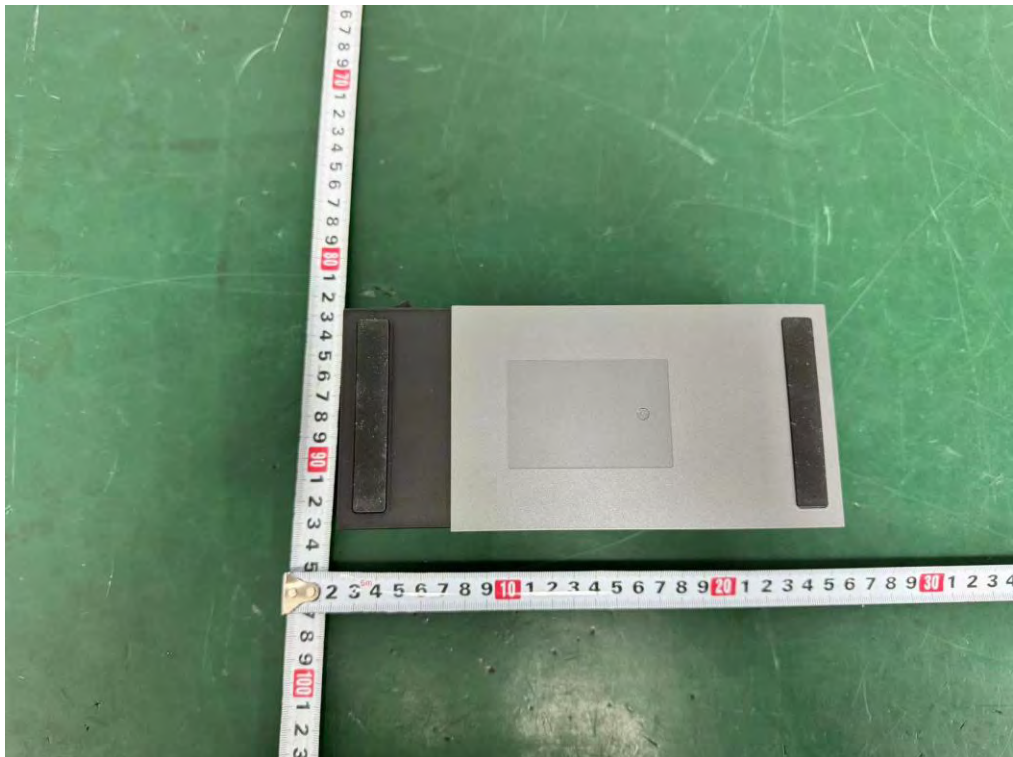
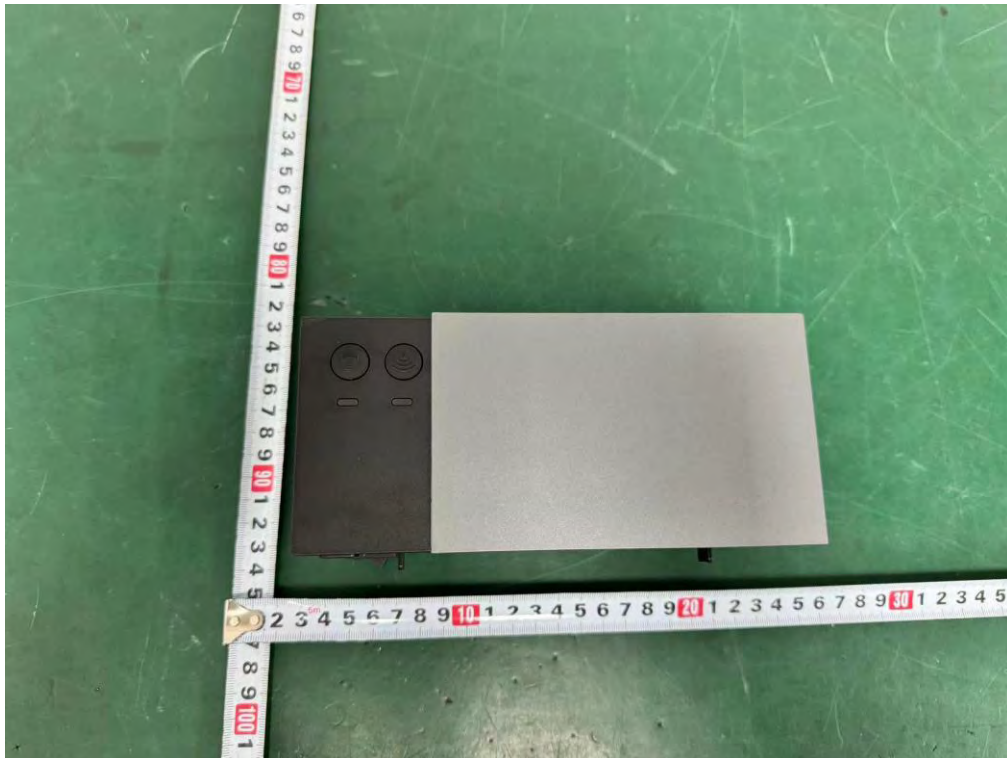
External Photos
M/N: PM-247-WF



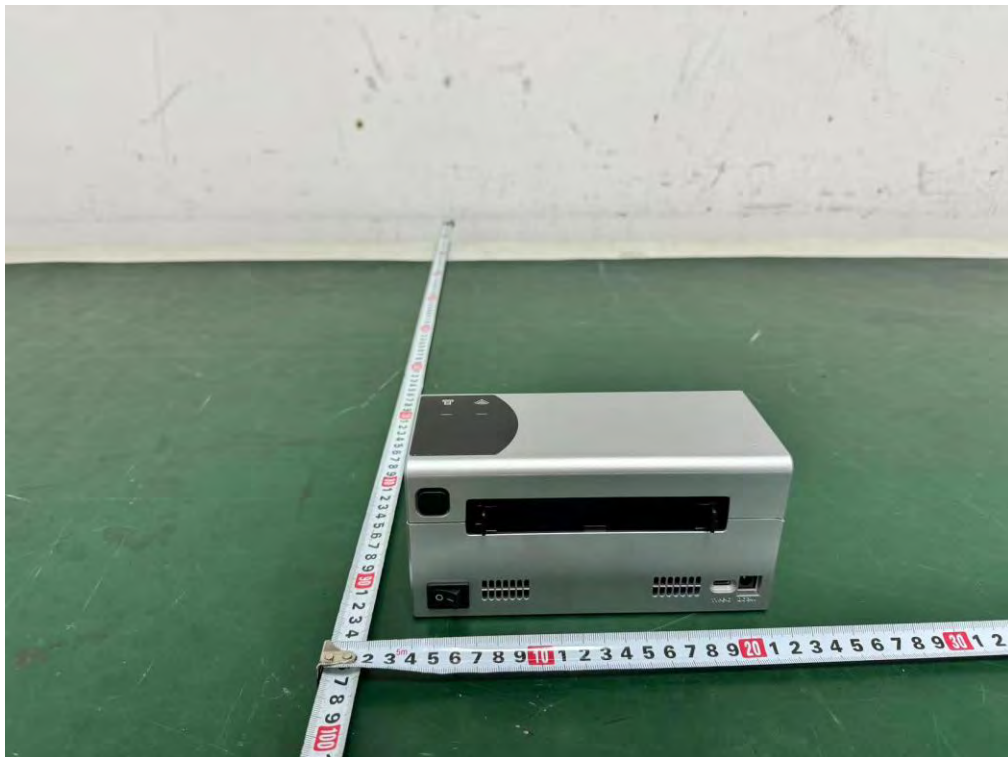
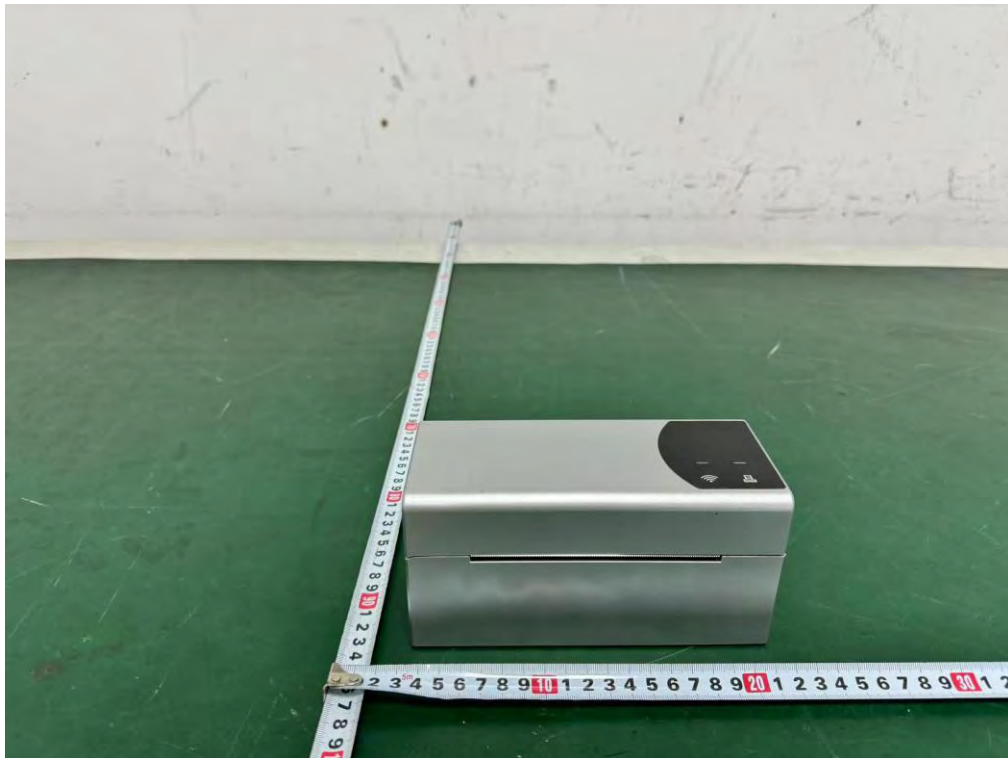
External Photos
M/N: PM-247-WF



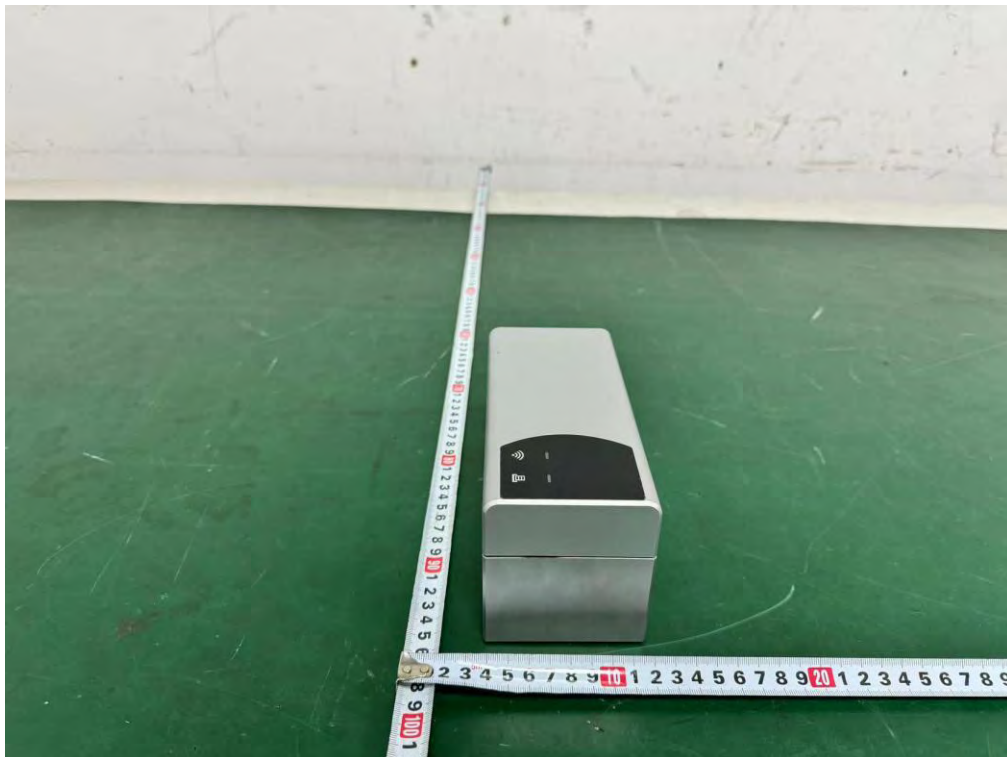
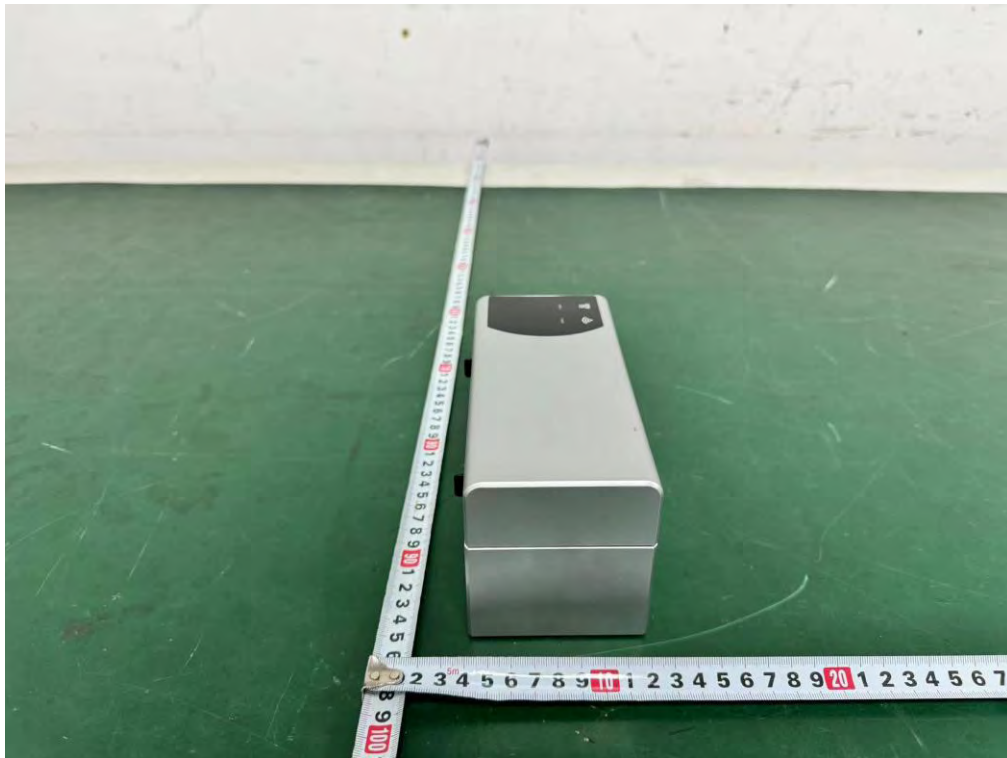
External Photos
M/N: PM-247-WF



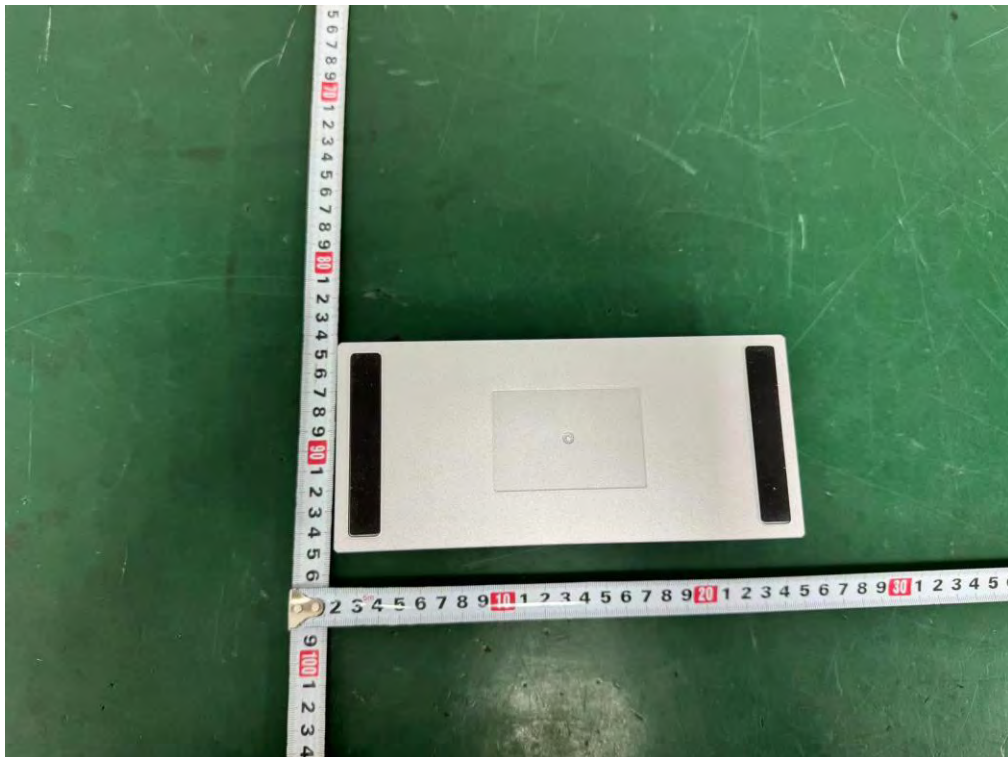
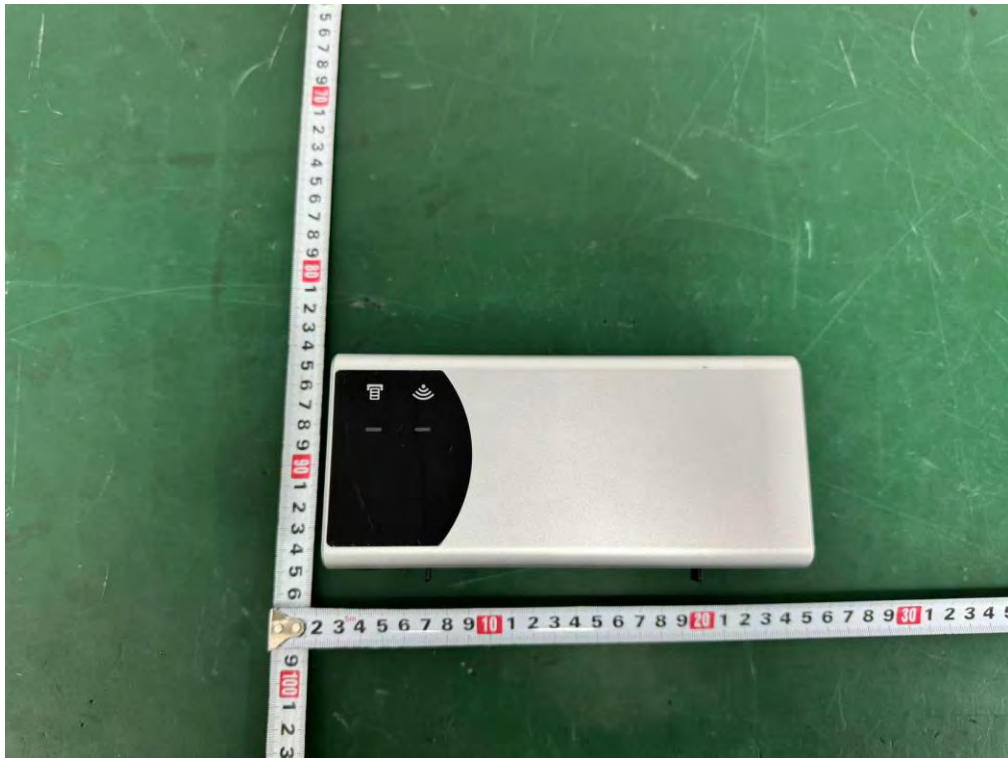
External Photos
M/N: PM-248-WF



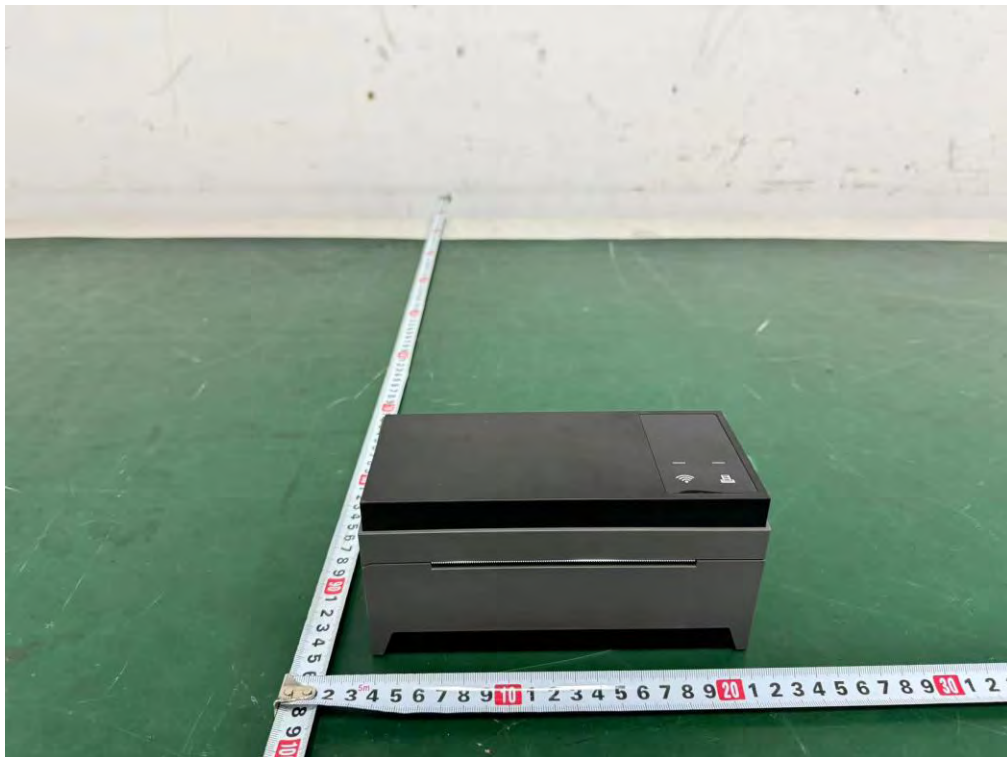
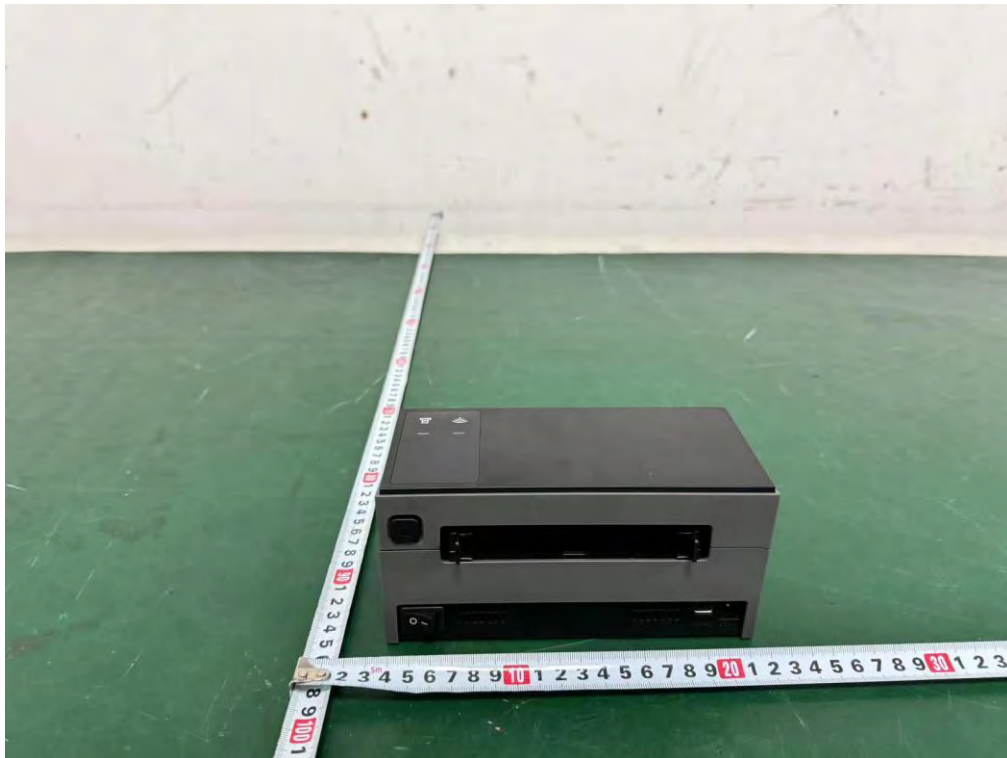
External Photos
M/N: PM-248-WF



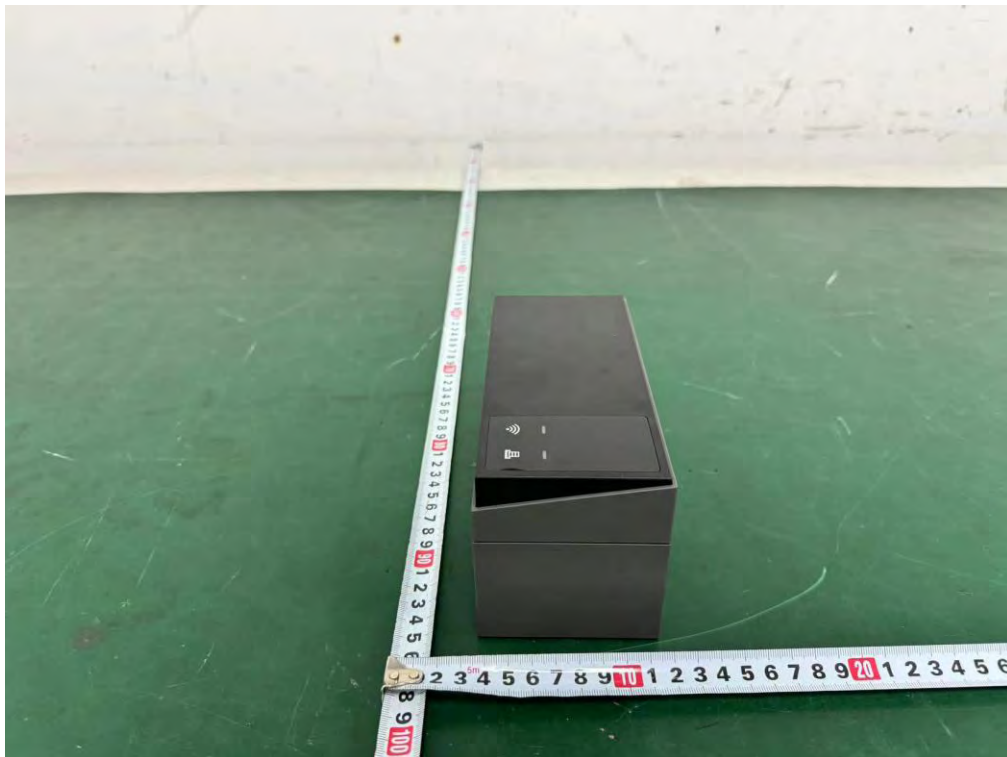
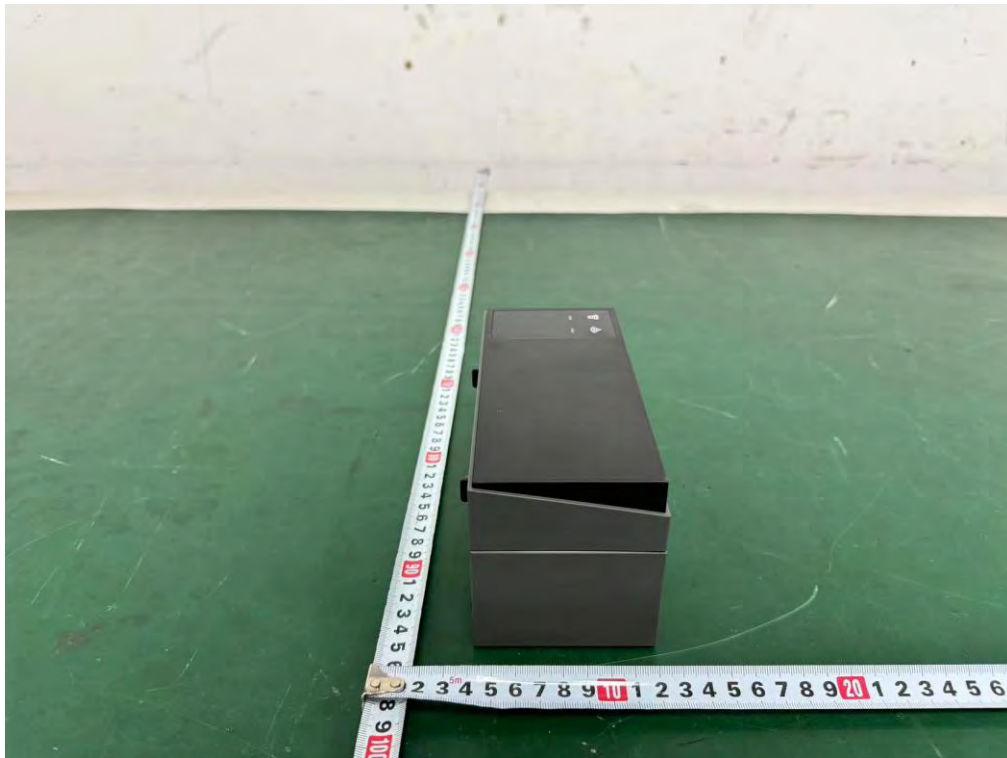
External Photos
M/N: PM-248-WF



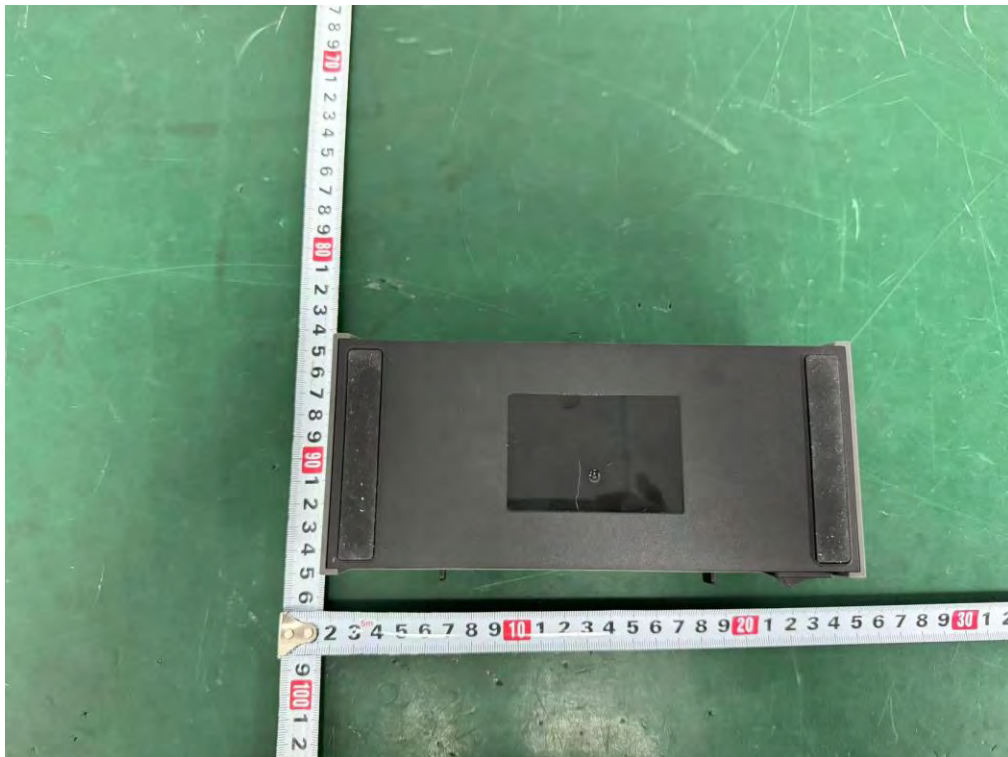
External Photos
M/N: PM-249-WF



External Photos
M/N: PM-249-WF



External Photos
M/N: PM-249-WF



End of Test Report