



Changes to Model 7545MBW

FCC ID: GM37545MBW contains GM37545MBWP

IC: 2739D-7545MBW contains 2739D-7545MBWP

23 March 2012

A handwritten signature in blue ink, appearing to read "Yao Jing", is located in the bottom right corner of the page. The signature is fluid and cursive.

Yao Jing



1. Introduction

The 7545MBW is a handheld terminal submitted for a Permissive Change Class II. This document shows a pictorial representation of the changes and similarities between the original certification GM37545MBW and the modified version with the 7545MBWP GSM/UMTS/HSPA radio module (also known as the PH8-P).

The document compares both versions from an external and internal perspective.

2. External Views

Both the original certification and the PC II change are identical when viewed externally.

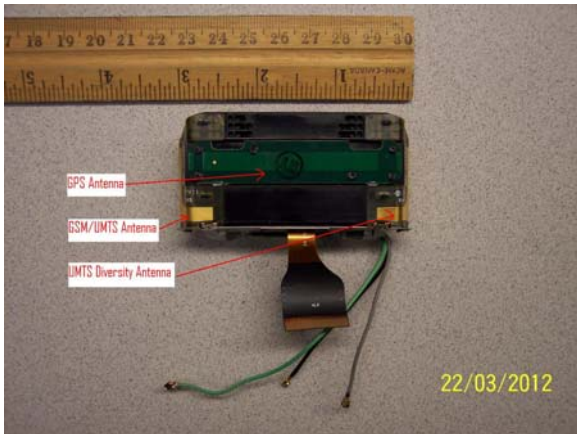


3. Internal Views

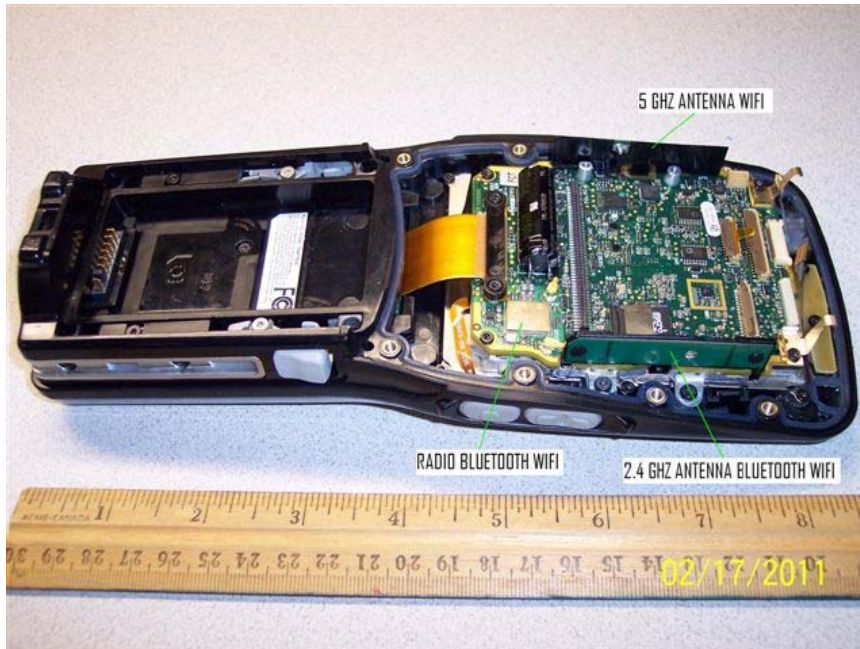
The original certification had the following end cap which included a scanner and the GPS antenna. The end cap fits on the top of the handheld terminal (please see above).



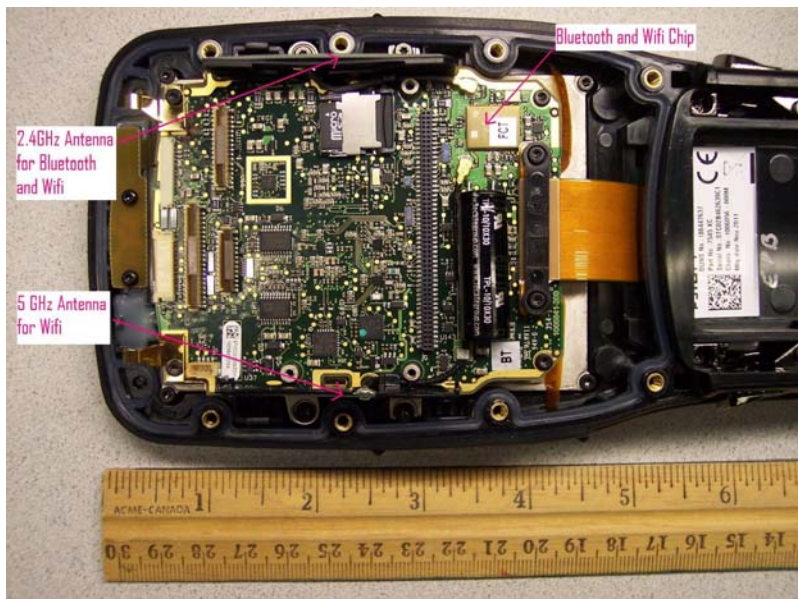
This view of the PC II change shows the same end cap but this time with the extra antennas for the 7545MBWP radio.



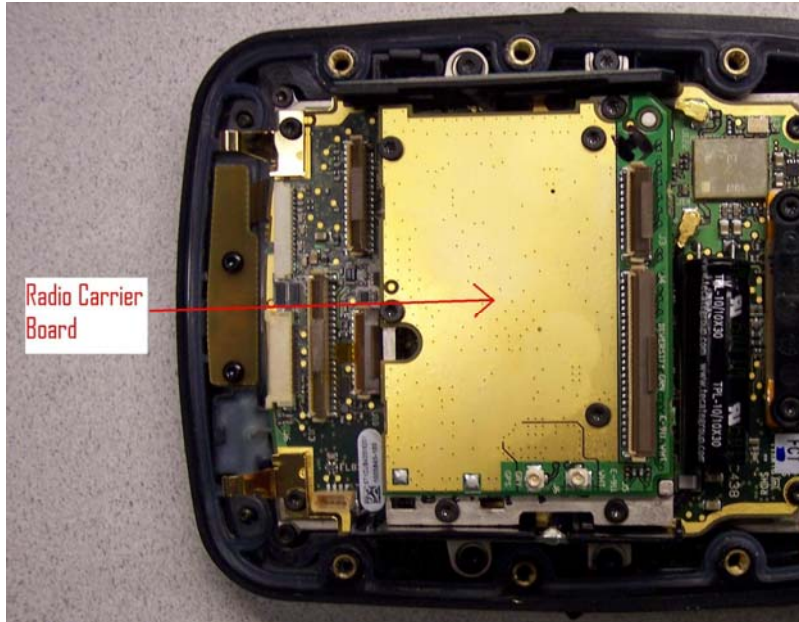
This is the original certification showing the Main Logic Board (MLB), BT/WIFI radio and antennas.



This is the PC II change showing the MLB, BT/WIFI radio and antennas. Note that there are no changes to the BT/WIFI radio circuitry, antennas or component placements.



This view shows the Radio Carrier Board (RCB) in place on the MLB. Please note the copper shielding surface of the RCB. This is the level of the original certification.



For the PC II we added the shielded 7545MBWP radio on top of the RCB, as shown here.



We then added a metal shield over the 7545MBWP radio to further screen the radio.

