FCC certification filing for Armor X10 Tablet

Applicant: DRS Tactical Systems, Inc.

FCC ID.: UGL980026010

Purpose: This filing is for a tablet (handheld) PC which will include two radio modules that have been previously approved as modular transceiver devices.

Use of modules: The Armor X10 Tablet contains two radio modules: In INTEL 802.11abg Wifi module for connection to wireless network devices, and a Bluetooth module for connection of wireless peripheral devices. Both of these modules have been previously approved as modular approvals.

INTEL 802.11abg radio module: This module was approved under FCC ID. : PD9WM3945ABG

Bluetooth radio module: This module was approved under FCC ID.: I4L-MS6837D

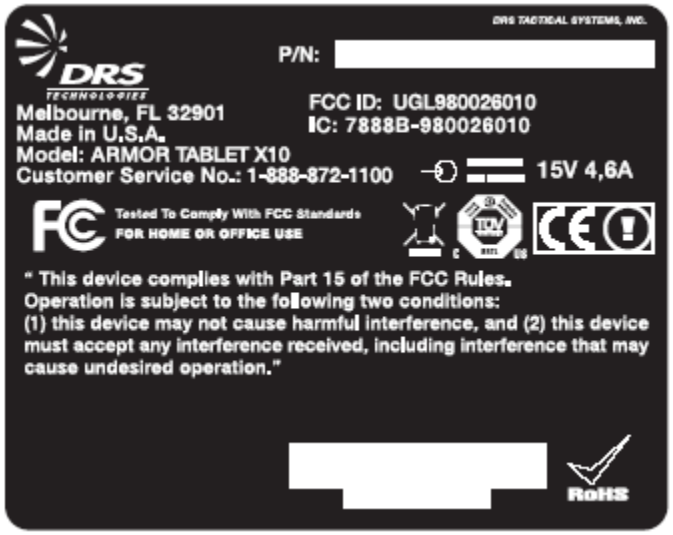
These modules are mounted in the Armor X10 tablet without any modification to either radio module. The test reports and other certification data for each of the radio modules is presented in this filing. The reason the Armor X10 must be certified is because, as a tablet PC, the antennas for the radio modules will be mounted in areas within the tablet that place them closer than 20 cm. to the user.

Testing performed for this filing:

1) Wifi radio:
    a. Wireless testing according to CFR 47, Part 15.209 for radiated field strength of emissions within restricted bands.
    b. SAR testing
2) Bluetooth radio: Wireless testing according to CFR 47, Part 15.209 for radiated field strength of emissions within restricted bands.

The full testing of antenna conducted spurious emissions, occupied bandwidth, peak power, peak power density, etc. was not performed since this testing was done previously when these devices were certified as radio modules and there have been no electrical changes to either module.

Labeling of the Armor X10 Tablet:
Labeling exhibits are included in this filing. The intent is to include the following label on the tablet.



This label does not include the “Contains FCC ID…” for each module because data has been provided for both modules and for both modules operating in the tablet. SAR testing has been done on the tablet itself with both radio modules.