



Date: Oct. 09,2009

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Attn: OET Dept.

Ref: FCC Class II Permissive change for FCC ID: TPO-OTD34

Original Grant Date: 10/22/2008

Applicant: RemoteMDx Inc.

Dear Examiner,

This is to request a Class II permissive change for FCC ID: TPO-OTD34, originally granted on 10/22/2008

The major change filed under this application is:

Summary of Changes

Subsystem	Change	New Components
GPS	<ul style="list-style-type: none">- Replace obsoleted Motorola Oncore module with uBlox Neo module- Instead of mounting GPS module on main PCB it is mounted on same daughter board as the GPS patch antenna- Replace previous 25x25x2mm patch antenna with a same construction 18x18x2mm patch antenna.	<ul style="list-style-type: none">uBlox NEO - 5Q patch antennaG180286PL20
Cellular	<ul style="list-style-type: none">- No change to cellular antenna- No change to cellular modem	

Power	<ul style="list-style-type: none"> - No change to main battery - In 3.4 OTD there is a board dedicated to the button switch and local RF antenna. This is being replaced by a membrane switch and local antenna embedded in a flex PCB. - Remove old secondary battery and associated charging circuit used in device version prior to 3.4 OTD (not an active circuit used in 3.4 or 3.4.2 OTDs therefore unnecessary) 	
Audio	- No change	
Board Layout	<ul style="list-style-type: none"> - Pre-existing components are more tightly consolidated to accommodate for moving charging circuit components onto the main PCB. - Several ferrite beads added to further reduce RF induced noise on primary circuits 	
CPU	- No change	
Mechanical	- Call Button (mechanical switch actuated by push rod) replaced with a membrane switch embedded in top overlay.	

Sincerely yours,


