

12/21/04

Rebecca Hanson  
Intertek Testing Services  
7250 Hudson Blvd., Suite 100  
Oakdale, MN 55128-9000

Rebecca,

The following changes have been made to the GPS Radio Model 1011 radio tested on Nov. 8, 2004. This new version will be offered as an additional product and identified as the Opticom GPS Radio Model 1012.

Changed RF PCB to correct error in a DC power net. The jumper wire is now removed.

Changed Antenna connector on the RF board from a straight PCB mount SMA to a 90 deg. PCB mount SMA.

New Antenna(s) :

The GPS Model 1012 radio uses a combined 2.4Ghz / GPS antenna. The part number is DM2-2400/1575 The 2.4Ghz antenna uses a standard SMA Plug, the GPS antenna uses a Reverse Polarity SMA connector. Two cable lengths of 15 feet and 6 feet have been submitted for testing.

New Enclosure:

The GPS Model 1012 radio enclosure is an extruded aluminum housing with screw mounted end plates.

Modified power / signal interface wiring:

The GPS Model 1012 radio uses slightly different interface wiring. The wiring harness includes a DB15 connector for ease of installation.

Thanks,

Charles Meyer  
3M Traffic Safety Systems  
3M Company  
651-733-1414