



GE MDS

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April 22nd, 2009

FEDERAL COMMUNICATIONS COMMISSION
7435 Oakland Mills Road
Columbia, MD 21046
U.S.A.

Subject: Request for Class 2 Permissive Change for the MDS Mercury transceiver (FCC ID: E5MDS-Mercury3650)

Applicant: Microwave Data Systems Inc.

Dear Sir/Madam,

GEMDS is requesting a Class 2 Permissive change to the MERCURY3650 transceiver.

The existing digital topology was changed so that a second top mounted circuit board could be added to the Remote version of the device (the Access Point version will continue to be marketed in the same configuration as detailed in the original filing for FCC approval). No changes are being made to the primary RF circuitry, all of the proposed changes are being made to ancillary digital circuits and the enclosure faceplate.

The new circuit board provides additional functionality in the form of 2 Ethernet ports, 2 USB ports, 1 serial port, and an unlicensed "WIFI module" (FCC ID: VRA-SGA9011028). Note that the WiFi module does not require a separate certification, it is being used within the limitations of the modular approval grant conditions as the antenna for the module (short stub antenna mounted directly to the connector on the enclosure) is installed to be more than 20cm from the licensed radio antenna (mounted on a tower) and, therefore, they are not considered collocated.

The GPS circuitry is moved from the bottom (original) PCB to the new top PCB and the serial port and ethernet port plus GPS circuitry on the original board are depopulated for configurations of the remote version that will incorporate the new board.

The enclosure remains the same with the exception of the faceplate changes to accommodate the movement of the serial, GPS and ethernet connectors related to the circuits moving from the original (bottom) PCB to the top PCB and the new USB connectors.

Photographs of the exterior and interior of the product are provided with the application, as are updated operational descriptions, Bills of Material and user's manual. No new test reports are being filed based on the nature of the proposed changes. A complete retest to confirm compliance with the verification requirements for a Class A digital device have been performed on the new version of the product.

If you have any queries, please do not hesitate to contact me at 585 242-8440:

Yours truly,

Signed:  Name: Dennis McCarthy

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