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March 14, 2005

ATCB  
6731 Whittier Ave  
Suite C110  
McLean, Va. 22101

Gentlemen:

The enclosed documents constitute a formal submittal and request for a Class II Permissive Change pursuant to Part 90 of FCC Rules (CFR 47) regarding to Public Mobile Service. A change is being proposed to the Microwave Data Systems model MDS2710D which would result in changes to the performance characteristics originally reported to the Commission. Since the MDS2710D is presently certified, an emissions test has been performed to demonstrate that it continues to comply with FCC Part 90 limits.

Elliott Laboratories, as duly authorized agent prepared this submittal. A copy of the letter of our appointment as agent is enclosed.

If there are any questions or if further information is needed, please contact Elliott Laboratories for assistance.

Sincerely,

A handwritten signature in black ink that reads "Juan Martinez".

Juan Martinez  
Senior EMC Engineer

JM/dmg

Enclosures: Application forms  
Emissions Test Report with Exhibits

File: R59042



175 Science Parkway, Rochester, New York 14620 USA  
(585) 242-9600 Phone  
(585) 242-9620 Fax  
March 14, 2005

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

**Subject: MDS2710D FCC Class 2 Permissive change description**

**Applicant: Microwave Data Systems Inc.**  
**Product: MDS2710 Data Transceiver**  
**Model: MDS2710 D**  
**FCC ID: E5MDS2710D**

Dear Sir/Madam,

This FCC Class 2 permissive change is being requested for a customer special order. The NRTC “National Rural Telecommunication Council” has purchased 3, 5KHz aggregated channels in the 220-222MHz band, teamed up with MDS to supply them with a FCC certified product.

The existing MDS2710D, 5KHz channeled, radio was almost an exact fit for their needs. So the MDS design team has changed the transmit software deviation from the existing 5KHz approved version, to a 12.5KHz version for this approval.


There were no hardware changes to the transmit path, the only changes were in the DSP software to allow 12.5KHz operation. The test report that Elliott labs is submitting clearly shows we fall within the allowable transmit mask requirements.

The Receiver did have some minor part changes from the existing 5KHz model to the new 12.5KHz model. The receiver SAW filter and some 2<sup>nd</sup> IF filters are all that changed in the receiver path.

The MDS2710D operating with 12.5KHz channels meets all FCC rules and we are asking for the second emission designator to be added to the existing grant to allow 12.5KHz operation.

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

Yours truly,

Signed:  Name: Dennis McCarthy .....

**Dennis McCarthy**  
Agency Compliance Engineer

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