



August 19, 2005

RE: Microwave Data Systems  
FCC ID: E5MDS9710N

1) Operational Description suggests this device is capable of operation well outside of the bands being Certified. Please explain.

**Response: This statement was intended to include FCC ID: E5MDS9710N-1. The same device can be set to transmit below 928 MHz. This is accomplished through software although one version of the product is available it has two different software version to enable the unit to enable operation in the 806 – 940 or 928 – 960 MHz. That is why in the other application, FCC ID: E5MDS9710N-1, will have the same documents. Which at will have the same replies to manual statement.**

2) Operational Description also lists Part 90 and this has only been submitted under Part 101. Please explain.

**Response: Same as #1**

3) Data on page 37 mentions 806 MHz. Please explain.

**Response: Data was mistakenly inserted to report. Correct data sheet has been inserted and revised report uploaded.**

4) Please adjust the label to include the information required by 15.19(a)(1).

**Response: FCC ID label cannot be adjusted, so a separate label will be made to include this statement and will be located in the bottom of the unit. Location and statement has been uploaded.**

5) Please explain where the information required by 15.105 and 15.21 can be found. Note that 15.105 may not apply. Please justify or include as necessary.

**Response: Revised manual has been uploaded that includes the statements. Page 7 of 58.**

6) Is this device intended for normal use connected to a computer via RS-232 or only to monitoring equipment? If intended for connection to computers, please explain compliance to 15B. Currently labeling and manual do not support this use.

**Response: These modems will be used in industrial environments, even though it was tested to Class B limits, we used the Class A statement on the manual. The EUT was tested as verification during the digital scan.**



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7) Justify the emission designators requested "F1D", "F2D" and "F3D".

**Response: Please Refer to Theory of operation Pages 4 and 5. F1D is an FM Digitized modulation without a subcarrier, in other words just data (Explained in page 5). F2D is the combination of a FM Digital signal plus a subcarrier, which could be a mix of audio or a pilot tone (Explained in page 5). F3D is the process of a FM digitized audio signal (Explained in page 5 and in page 9 there is an analog to digital converter).**

Regards,

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

Juan Martinez  
Senior EMC Engineer  
JM/dmg