



RE: Microwave Data Systems
FCC ID: E5MDS-2710AC

1.) Please provide a Tune Up procedure for this device.

Response: The MDS 2710 radio is a DSP based digital radio and there is no tune up procedure, the radio must be returned to the factory, so "TEST and ALIGNMENT" software can be uploaded to enable the factory/repair shop to retune the radio. There is not customer tune up.

2.) Please provide a Block Diagram of only the radio section for this product.

Response: Block Diagram has been uploaded.

3.) FCC Part 2 requires the inclusion of E and I through the final amplifier circuit at full power. Please revise your report

Response: Information has been included in the report. Voltage is +5Vdc, Current is 1amp

4.) From observing the occupied BW, it appears that F3E emissions should be considered. This was not requested on Form 731. Please review and advise.

Response: Yes we would like the F3E designator on the grant. All the other MDS radios with similar topology are granted this way. 731 form and all relevant documents have been revised and uploaded.

5.) Kindly provide full justification for all requested emission designators. You have provided Carson's Rule calculations for only one necessary bandwidth – please provide supporting documentation for all fundamental emissions, both analog and digital.

Response: Explanation for each emission designator is included. Revised report has been uploaded. The 99% BW was used to determine the emission designator for the digital signal. The client could not provide information regarding the deviation and modulation, for the digital signal, at this time.

6.) It is not apparent if this device will be used indoors as well as outdoors on fixed permanent structures. Will this device be used exclusively outdoors? Please review and advise.

Response: Yes 99% of our applications are for industrial customers with outdoor installations.. But there is chance that some of customers may decide to use this transceiver indoors in some form of industrial automation. We have no control on the end user. Examples could be, factory cart automation in a large warehouse.

7.) Could this device be considered a computer peripheral? If so, then either DofC or Part 15 Certification may apply.

Response: It could be considered a computer peripheral, but intended use will be in industrial environments. So verification was performed instead of the DoC.

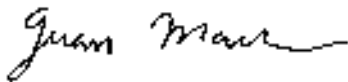
8.) Kindly identify each occupied bandwidth plot with it's associated emission designator including necessary bandwidth.

Response: Each plot has the emission designator. Revised report has been uploaded.

9.) FYI: There appear to be several discrepancies in the CFRs with regard to Part 90 equipment operating within the 216-220MHz band. Additional consultation with the Commission by AmericanTCB will be required. Please be patient.

Response: Understood. Please let us know when you get a reply from FCC. Client is in a tight deadline.

Regards,

A handwritten signature in black ink that reads "Juan Martinez". The signature is written in a cursive style with a long horizontal flourish at the end.

Juan Martinez
Sr. EMC Engineer