May 23, 2002

FCC ID:
TCB approval E5M-TRANSNET900

Applicant: Microwave Data Systems, Incorporated
Correspondence Reference Number: 4226
731 Confirmation Number: TC194785
Date of Original Email: 05/23/2002

To whom it may concern:

In response to the clarifications requested on the E5M-TRANSNET900 in an email first received by MDS on 05/23/2002, please accept the following explanations:

FCC Issue:

1) The latest response indicates that the master synchronizes with the remotes in the same system in a TDMA fashion which is fine. However the system can be configured with multiple masters that are interconnected through a null-modem cable.

Please explain how systems with different masters comply with Part 15.247(h). There is some question of compliance since the Operational Description states "To insure that a radio does not start following the wrong master, each system has its own network address
and hop pattern determined by the network address. The system address is used to identify all remote units intended to communicate with a particular master radio. The address must not be one that will be used in other systems that may be in the area in which the radio will be installed, since duplicate addresses can cause failure in, or incorrect data from, other master or remote units with the same address".

This issue can be resolved by answering the following two questions:

a) Do systems with multiple masters synchronize to avoid interference with each other? Yes or No

b) Do systems with multiple masters hop in lock step with each other on different frequencies? Yes or No

MDS Response:

a.) No, systems with multiple masters do not synchronize to avoid interference with each other

b.) No, systems with multiple masters do not hop in lock step with each other on different frequencies?