

5-3346-EX-98

TÜV PRODUCT SERVICE
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<http://www.tuvps.com>



Federal Communications Commission
Office of Engineering and Technology
2000 M Street, NW, Suite 230
Washington, D.C. 20554

Dear Mr. Huie:

TUV Product Service would like to receive a Special Temporary Authority (STA) to perform radiated RF Immunity testing at the following band of Frequencies:

26.00 - 38.00 MHz
38.25 - 73.00 MHz
74.60 - 74.80 MHz
75.20 - 108.00 MHz
137.00 - 328.60 MHz
335.40 - 406.00 MHz
410.00 - 608.00 MHz
614.00 - 1000.00 MHz

We would like to perform testing on the following dates:

2 May 1998
3 May 1998

This block of time is scheduled for the Transportation Technology Center (TTC) near Pueblo, Colorado. TTC is located 25 miles northeast of Pueblo, Colorado and 5 miles from the nearest residence. TTC is a worldclass intermodal research and test center offering a wide range of capabilities for research, development, and evaluation testing of transportation and nontransportation systems for government and private sectors. Isolated and secured, this federally owned 52-square mile facility is operated and maintained by the Association of American Railroads, Research and Test Department.

We need to apply Radiated RF Immunity testing in accordance with IEC 1000-4-3. We will be testing Locomotive, transit and passenger cars which contain electronic system necessary for monitoring and controlling locomotive operations. The TTC is very isolated even to the point of having two (2) independent substations for power.

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The required testing we will be using a constant field Strength of 30V/m and a 1 meter or less antenna distance. The signal will be Continuous Wave, 80% amplitude modulated with a 1kHz Sine Wave, as required by IEC 1000-4-3.

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EP)

We will sweep the listed frequencies from 26 to 200 MHz with the antenna vertically and horizontally polarized. Then we will sweep the listed frequencies from 200 to 1000 MHz with the antenna vertically and horizontally polarized. Each Sweep takes approximately 20 minutes. Thus, we will do 4 sweeps at 20 min/sweep for a total time of approximately 80 minutes per system.

Testing will be performed at the TTC on a weekend. All other systems of the TTC facility will be disabled during testing.

If you need any further information please contact me at (303) 786-7999.

Sincerely,

By - J.D.

Byron J. Dill
EMC Engineer

cc: Jeff Doolittle -- Engineer-in-Charge