

July 12, 2004

Ted Cooper  
Intertek Testing Services NA, Inc.  
7250 Hudson Blvd, Suite 100  
Oakdale, MN 55128 – 9000

Subject: Request to update FCC file # ABMELU81A with the following changes  
permissive by FCC.

Dear Mr. Cooper,

Currently the above transmitter which transmits freezer status information to a remote monitor contains a long PCB trace which is working as an antenna. Our testing shows that the metal enclosure of the freezer is interfering with the radiation patter of the signal around the freezer.

We have tested a modified transmitter. We used a 20AWG copper wire as an antenna, raised it 3 mm above the PCB board which in turn moves the antenna 3mm away from the metal enclosure. Attached with this request are few photographs detailing the change. Even though this does not take care of the problem completely, it certainly improves the radiation pattern.

Given this circumstance, please update the FCC file # ABMELU81A to reflect the antenna change.

Sincerely,  
Mizanur Chowdhury  
Project Engineer  
320-420-4233 Ext 1438