

October 12, 2008

Federal Communications Commission  
7435 Oakland Mills Road  
Columbia, MD 21043

Reference: Siemens Transportation Systems application for certification of a spread spectrum transmitter under FCC ID:QSCCARBORNE2

Gentlemen:

The equipment described in the attachments to this application is intended to be used by the transmitter system to be used by the New York Transit Authority for controlling subway cars on a segment of the public transportation system in that city. The system consists of individual transceivers configured for use in a subway car (carborne unit). Underground tunnels may be of either a single tube or dual tube type that are separated by some distance that is variable from a meter up to several meters.

The system consists of a carborne unit mounted in the front of an individual car, or multiple cars mechanically linked, with the antenna directed in the forward direction and a transceiver mounted in the rear of an individual car, or multiple cars, with the antenna directed in the rearward direction. In this manner as a car approaches and passes a given wayside transceiver, it is able to maintain communications with the wayside unit. Carborne transceivers use RF boards that were designed based on the IEEE 802.11b standard. Carborne units have single RF boards mounted in the transceiver chassis. Carborne units use a single antenna as specified in the test report.

If there are any questions regarding the material submitted in support of the applications for the referenced FCC ID's, please contact the undersigned at the address above.

Sincerely,

Phillip Inglis  
Consultant to Siemens Transportation Systems