

Narrative Statement

Application is for the purpose of:
testing railroad automatic equipment identification (AEI)
tag readers using select frequencies from 902.25-921.5 MHz.

Applicant currently has been granted authorization WE2XCI to test the readers in the North Eastern United States. The instant application seeks authority to expand the testing area.

The experimental equipment addresses and reads the standard identification tag device of the American Association of Railroads. The development is designed to simplify the requirements for the trackside equipment necessary for this function. Therefore operation over a reasonable geographic area is necessary, in order to test the functions of the equipment under a wide variety of operational and environmental conditions.

Interference to the operation of any existing systems will be prevented by knowledge of their location by cooperating railroads. The application specifies all of the frequencies outlined in the Standards Document, S-918, to allow complete testing, and as a further method of interference avoidance with any nearby systems.