

BOSCH Security Systems, Inc.
Request for Special Temporary Authority
File No. 1697-EX-ST-2017

NARRATIVE EXPLANATION OF OPERATION

This is a request for Special Temporary Authority to develop and test, over a six-month period, at two manufacturer locations a Part 15 digital wireless intercom system based on the DECT (Digital Enhanced Cordless Telecommunications) standard using the European DECT frequency range (1880-1900 MHz). This device provides high-quality audio via digital wireless portable beltpacks and associated access points. This system, which is known as ROAMEO, is suitable for a wide range of professional intercom applications including broadcast production studios, theater and sport event productions, churches and cathedrals, commercial buildings and outside broadcast trucks. The device, once developed for United States use, is intended to be operated in a different frequency range in the United States ultimately on an unlicensed basis in accordance with Part 15 regulations.

The device has an occupied bandwidth of 1.24 MHz and operates at an average conducted power of up to 83 mW for the access point and up to 17 mW for the beltpack. The antenna for the beltpack is an internal, 0 dBi gain Inverted F antenna. The antenna for the access point is a detachable dipole with 3 dBi gain.

The locations of the Bosch Security Systems, Inc. facilities at which these devices will be deployed, and the “stop buzzer” contacts at each location are as follows:

Bosch Security Systems, Inc.
8601 East Cornhusker Highway
Lincoln, NE 68507
Contact: James Andersen 402-467-6671

Bosch Security Systems, Inc.
12000 Portland Avenue South
Burnsville, MN 55337
Contact: Kevin Moore 952-736-3832

Should any interference be reported to either stop buzzer contact, operation at either or both locations will cease and not resume unless and until the interference is resolved to the satisfaction of the complainant. Other questions can be directed to counsel for the applicant as follows:

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