

APPLICATION FOR EXPERIMENTAL STA

A. Background

The applicant, Wireless Innovation Inc., provides communications solutions for Public Safety agencies and others through the seamless integration of disparate platforms and technologies; for example, the integration of satellite push-to-talk ("PTT") and LTE technologies to extend coverage and redundancy for public safety users. The applicant is planning to introduce to the U.S. market a new product line from Ace6 Technology, based in Singapore, that will be marketed to Public Safety agencies and others once the equipment has received FCC equipment authorization. The Ace 6 Technology "PTT mMesh" radio is a handheld, fully IP-based mesh radio that can be used to establish a self-healing network for last-mile connectivity by First Responders or others. The applicant plans to demonstrate the features of this equipment to attendees at the International Wireless Communications Expo ("IWCE") to be held at the Las Vegas Convention Center, Las Vegas, Nevada, over the three-day period of March 31 through April 2, 2020.

B. Purpose of Operation

This operation is intended to offer attendees at IWCE an opportunity to observe the PTT mMesh radios in operation. This will be a limited demonstration of a few radios operating at very low power (≤ 0.5 watts ERP) inside the exhibit hall of a very large convention center. The applicant fully expects that the signals from this equipment demonstration will be confined to the exhibit hall, that the transmissions will be undetectable outside the convention center, and that no harmful interference will be caused to any other radio service or licensee.

C. Frequencies & Locations

Experimental STA is requested for two frequency bands: 1370-1390 MHz and 1427-1432 MHz. The applicant is aware that coordination with the Federal Aviation Administration ("FAA") is required for the 1370-1390 MHz band and it has initiated contact with the FAA to request the FAA's consent. The applicant is requesting two frequency bands so that it has alternative frequencies from which to choose depending on the radio environment inside the exhibit hall, but it does not intend to operate on more than one band at a time. This equipment is tunable over a wide range of frequencies and is available outside the U.S. in several frequency bands.

Operation will be confined to the indoor exhibit hall of the Las Vegas Convention Center, an extremely large building in downtown Las Vegas with nearly 2,000,000 square feet of exhibit space. Because the applicant does not know the precise geographic coordinates of the applicant's exhibit booth inside the Convention Center it is requesting authority to operate its transmitting equipment anywhere within a 0.5 kilometer radius of coordinates generally associated with the Convention Center, however all operation will be restricted to inside the exhibit hall at the Convention Center.

D. Directional Antennas

The applicant does not intend to use directional antennas.

E. Transmitter Output Power and Effective Radiated Power (ERP)

The equipment will be operated at very low power: 0.25 watts output power (0.415 watts ERP) in the 1370-1390 MHz band, or 0.5 watts output power (0.5 watts ERP) in the 1427-1432 MHz band.

F. Antenna Structures

The antennas are integrated with the handheld transmitters and all equipment will be indoors. Thus, there are no issues regarding FAA structure clearance.

G. Contact Information

Questions regarding this application should be directed to the applicant's FCC counsel: Jeffrey L. Sheldon, at Levine, Blaszak, Block & Boothby, LLP, 2001 L Street, N.W., Suite 900, Washington, D.C. 20036; 202-857-2574; jsheldon@lb3law.com

Notification to cease or alter operations may be directed 24x7 to: Scott Geldard, CEO, Wireless Innovation, Mobile Number 916-633-4671. Mr. Geldard will be on-site during the equipment demonstrations.

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