Vodafone Global Enterprise Inc. (Applicant) seeks experimental authority to perform limited, in-building testing on Applicant's premises of low power mobile data and Internet-based services. Applicant will use equipment that is commercially available in Europe but not authorized for use in the U.S. Applicant seeks experimental authority for a period of two years.

Applicant proposes to test and demonstrate data and Internet-based mobile services using equipment that is unauthorized in the U.S. but is authorized and commercially available in Europe. Applicant understands that all experimental operations will be permitted on a secondary, non-interference basis only. The equipment will be operated at low power and in the confined environment of Applicant's office building. Therefore, Applicant expects no interference to be caused to other radio services.

The operation will consist of a base station located on the 4th floor of Applicant's office building located in Redwood City, CA. Up to seven mobile units will communicate with the base station. All stations and operations will be confined to two rooms located on the 4th floor. The purpose is to test and demonstrate advanced Internet services in a GSM, HSPA and LTE environments, such as GPRS (general packet radio system), location-based services, transcoding between email, SMS, and WAP, and secure position/mobile-commerce services. Employees of Applicant and Applicant's business partners will participate in the experimentation.

While basic mobile data services exist in the U.S., advanced services being developed by Applicant require changes to existing network architectures. Applicant will test the operation of advanced services under new service architecture scenarios.

While the Form 442 application requires a radius of operation for base/mobile operations, Applicant clarifies that operations will be confined to the 4th floor of Applicant'ss office building located in Redwood City, CA. The street address of the office building is 275 shoreline drive, Redwood City, CA 94065. The coordinates of this location are 37-31-29Latitude, 122-15-29 Longitude.

The base station will be located inside an office building with small whip style antennas. Thus, no FAA issues are involved.

MODULATING SIGNAL DESCRIPTION

Emissions will consist of GMSK, QPSK, and QAM modulation (both continuous and packet based), digital voice and data, with a 200 kHz, 5Mhz, and 10Mhz bandwidth. The nature of the signal modulating the main carrier is a single time division multiplex channel containing quantized or digital information. The type of information to be transmitted consists of a combination of data transmission, telemetry and telecommand, and telephony.