

JVCKENWOOD USA CORPORATION

Application for Experimental License to Operate GPS Repeater

File No. 1150-EX-CN-2021

Narrative Explanation of Operation and Interference Avoidance Protocol

JVCKenwood USA Corporation (JVCK) is a major manufacturer of high-quality land mobile radio equipment, marine and amateur radio equipment, and other telecommunications products. Its United States headquarters is in Irving, Texas, at 1440 Corporate Drive. The precise coordinates of the location of the device within the building are 32.88778 North, and -96.97493 West.

JVCK requires GPS equipment indoors, at its laboratory at this location, in order to conduct research and development on new telecommunications products and for testing of those products. For this purpose, JVCK proposes to operate a single GPS repeater, on an interior wall at its laboratory. The equipment proposed to be used consists of a GPSS dual-band, passive antenna, model L1L2-2GP, with a gain figure of 3dBiC; a GPSS single-stage gain block amplifier, Model A11, operational on L1 and L2 frequencies, which is operated at a power level of minus 29 dBm, or 120 picowatts; and a GPSS dual band active antenna, Model L1L2-2GA, with element gains of 3.4 dBiC at L1 and 6.7 dBiC at L2. The active antenna and the amplifier will be mounted on interior walls of the laboratory, and all radiation from the active antenna will be contained within the exterior walls of the building.

This will be a fixed device, used by JVCK technical staff for product testing and development only, and at all times kept within the laboratory.

The “Stop Buzzer” person for this purpose will be Ms. Angie Seay, Regulatory Support Engineer, Communications Sector, JVCKenwood USA Corporation, whose mobile telephone number is (678) 449-8879.

Should any question arise concerning this application or the operations envisioned by JVCK, kindly address those to the undersigned, JVCKenwood Regulatory Counsel:

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