

**Datron World Communications, Inc.**  
**Request for Experimental Authorization**  
**FCC Form 442**

**Response to Question 7**

By the associated application, Datron World Communications, Inc. (“Datron”) seeks experimental authorization for a period of two (2) years to operate portable and mobile (vehicular) radios in the bands 136-174 MHz, 380-520 MHz, and 762-870 MHz. Pursuant to Question 7 of the Form 442 and Section 5.63 of the rules of the Federal Communications Commission (“FCC” or “Commission”), Datron hereby provides this statement describing the program of research and experimentation proposed, the specific objectives sought to be accomplished and how the program of experimentation has a reasonable promise of contribution to the development, extension, or expansion of the radio art, or is along lines not already investigated.

Established in California over 30 years ago, Datron World Communications is a key global supplier of HF/VHF tactical communications equipment and APCO Project-25 subscriber radios for the public safety arena. Datron is developing its Guardian II Series of portable and mobile radios for use in the public safety sector. The radios are also expected to be compliant with applicable APCO Project-25 standards. Even though the radios are designed for future operations with 12.5 kHz bandwidth, they will be backwards compatible for 25 kHz wide operations as required. Datron seeks authority to test these radios in advance of seeking equipment approval, a process that Datron expects will require two years. Testing will be conducted in and around Datron’s facilities in Lawrence, Kansas and Vista, California. Because of the critical nature of the public safety communications that these units will support, extensive testing is necessary.

Datron recognizes that its authorization will be issued on a secondary basis only and that it must not cause harmful interference to licensed users. The units that Datron proposes to test are comparatively low power and unlikely to cause interference to others. In addition, Datron’s use of the frequencies will be episodic in nature – rarely lasting for more than several days at a time (albeit over a period of two years). Nevertheless, in an abundance of caution, Datron will monitor the use of the bands for which it seeks authorization prior to testing.

Based on the foregoing, grant of the associated application will serve the public interest and the FCC is asked to grant the application promptly. If there are any questions related to this application, the FCC is asked to contact Russell H. Fox of Mintz, Levin, Cohn, Ferris, Glovsky and Popeo, P.C. at 202.434.7483 or [Rfox@mintz.com](mailto:Rfox@mintz.com).