

**DESCRIPTION OF RESEARCH PROJECT**  
**REQUEST FOR LICENSE MODIFICATION AND RENEWAL**

Datron World Communications, Inc. (“Datron”) hereby submits the attached application to modify experimental authorization WE2XZV<sup>1/</sup> to permit Datron to continue to test equipment that it manufactures for a variety of customers charged with protecting the homeland security of the United States. These customers include the Federal Bureau of Investigation (“FBI”), the National Guard, and the United States Army, as well as several other critical Federal, state and local government entities. In addition to seeking the modifications described below, Datron also respectfully asks that the Federal Communications Commission (“FCC” or “Commission”) renew the authorization for station WE2XZV for another two-year period.<sup>2/</sup>

Datron has used this authorization to test equipment and will continue to do so. There will be no change in most of the parameters of Datron’s past operations. However, Datron requests several modifications to its current authorization. First, Datron requests the addition of the following emission designators to its existing frequency assignments: 2K80J2D, 2K80J2E, 2K80J2F, 2K80R3E, 3K00H3E, 3K00J2A, 3K00J2D, 3K00J2E, 3K00J2F, 3K00J3E, and 6K00A3E. Second, Datron requests the addition of two fixed transmitting antenna locations: one site in Lawrence, Kansas and the other in Melbourne, Florida. Both of these sites will operate with the same technical specifications as the existing site in Vista, California (as modified by this application). Third, Datron seeks to change the area of operation of the mobile units to the continental United States. Because of the nature of the frequencies covered by this application, Datron will likely be able to transmit from its base stations in California, Kansas and Florida for great distances and wishes to have the flexibility to test mobile equipment throughout the area – the continental United States – from which the base station transmissions can be detected. Last, Datron has increased from one to three the number of experimental units that it will test for each transmitting equipment model number.

Consistent with its original application requesting the frequencies assigned to WE2XZV, although Datron is authorized to use the equipment at 1000 watts ERP, it generally tests equipment using lower ERP. Moreover, when Datron tests outside of its factory, the non-fixed units are operated in remote areas where there are unlikely to be co-channel licensees. The use of these frequencies is, at most, episodic. Because of the nature of Datron’s pre-operational

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<sup>1/</sup> The Commission’s grant of the WE2XZV authorization may be viewed at the FCC’s Office of Engineering and Technology (“OET”) database website at [https://apps.fcc.gov/oetcf/els/reports/ViewGrant.cfm?id\\_file\\_num=0094-EX-PL-2009&application\\_seq=41145](https://apps.fcc.gov/oetcf/els/reports/ViewGrant.cfm?id_file_num=0094-EX-PL-2009&application_seq=41145).

<sup>2/</sup> Please note that this application seeks renewal and modification of the authorization for station WE2XZV, pursuant to discussions with OET staff who advised that an applicant can request both modification and renewal of an authorization by submitting an application for modification and also requesting renewal through an exhibit, which Datron asks here.

equipment tests, the frequencies are used for only a few minutes at time for few hours a day -- when the tests occur. Some of the testing occurs in the controlled environment of Datron's factory, where the FCC can easily determine the source of any interference, in the unlikely event that Datron produces any. The testing outside the factory occurs only approximately 30 days a year (and, like testing in the controlled factory environment, for only a few minutes at a time for a few hours of the day).

Based on the foregoing, Datron requests that the FCC processes the application promptly so that it may continue to test equipment for its critical clients. If there are questions regarding this application, the FCC is asked to contact communications counsel for Datron, 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).