

From: Russell Fox

To: Doug Young
Date: July 23, 2021

Subject: Request for Info - File # 0102-EX-CM-2021

Message:

Datron World Communications, Inc.
Call Sign WE2XZV
File Number 0102-EX-CM-2021
Correspondence Reference Number 63476

This responds to the correspondence from the Commission's Office of Engineering and Technology ("OET") dated July 22, 2021 regarding the above-referenced application. OET asks that the applicant provide a concise description of what is being modified in the application and why.

The current authorization for station WE2XZV (the "License") permits the experimental use of frequencies in the 2-27 MHz range at three transmitter locations with the following emission designators:

2K80H3E
2K80J2A
2K80J3E
6K00B7D
3K00H3E
3K00J2A
3K00J2D
3K00J2E
3K00J2F
3K00J3E
6K00A3E
2K80J2D
2K80J2E
2K80J2F
2K80R3E

The application proposes to update the location at which the experiments will occur — the applicant no longer operates at the Florida and Kansas locations shown on the current License. And the applicant's California facilities have moved to the new Vista, California site shown in the application. (Accordingly, in addition to showing a change in the transmitter address, the application indicates a new applicant mailing address).

In addition to the change in location, the application proposes to add frequencies (0.5016 MHz, 3.4116 MHz, 7.4116 MHz, 8.5116 MHz, 9.3116 MHz, 13.3116 MHz); increase the authorized power level to 5 kW ERP for existing and added frequency assignments; and add the emission designators (3K00W1D, 3K00W1B, 3K00W2D, 3K00W2B, 24K0J1D, 48K0J1D) for existing and added frequencies.

As the applicant noted in its initial request for the License, the authorization allows it to test equipment that it manufactures for a variety of customers, which include the FBI, the National Guard, and the U.S. Army, as well as several other critical federal, state and local government entities. The addition of the requested frequencies and emission designators will permit more complete testing to meet customer needs. The same is true of the increase in transmitter power. As the application noted previously, it generally tests inside its factory. When it 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 applicant's pre-operational equipment tests, the frequencies are used for only a few minutes at a time for a few hours a day —when the tests occur. 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).