

QUESTION 3: APPLICATION PURPOSE

The applicant is currently conducting analysis and tests pursuant to OET Experimental Radio Station Construction Permit and License, WE2XDK, File Number 0006-EX-ML-2008, effective January 31, 2008 and expiring on August 1, 2009. The applicant requests a 24 month renewal to continue its research into the propagation characteristics of RFID technologies (e.g., electronic product code tags) operating on the authorized frequencies.

The experimental license thus far has allowed applicant to evaluate RFID equipment that will potentially be used in international locations. Since the applicant has one central RFID test location, the license has been instrumental in allowing for testing of devices intended for other countries, as well as identifying and testing fixes for issues that may exist in that country. The testing ultimately provides applicant with a means for recommending or making purchasing decisions for locations in countries that do not have the ability to effectively test and decide on their own. In addition, as applicant receives software / firmware enhancements from technology vendors for devices already installed, they are tested in the lab first before release to the overall install base. This applies domestically and internationally. Since research into RFID technologies are ongoing, applicant requests an extension of its current authorization.

Included in this request is renewal of authority to transmit on 800 – 1000 MHz channels at 8 watts EIRP. This authority is necessary so that the company may determine performance characteristics of RFID technology authorized on these frequency bands in other countries. As discussed more fully in the QUESTION 7: PURPOSE OF EXPERIMENT exhibit, the company's objective is to facilitate the deployment of robust RFID technologies on a global basis. Applicant understands renewal of its authorization is subject to prior coordination with the International Municipal Signal Association and applicant has completed such coordination.