

Ultra Electronics; Sotech Inc
Experimental License File No. 0391-EX-PL-2013
Exhibit 1

Describe the purpose of the application:

This request is for Ultra Electronics, Sotech Inc to be granted a license for the use of electromagnetic spectrum bandwidth. There are two frequency bands being requested for the license. The first frequency band is LTE Band 13 at 746 - 756 MHz for the uplink and 777 – 787 MHz on the downlink. The second frequency band being requested is GSM Band 850 at 824 – 849 MHz for the uplink and 869 – 894 MHz on the downlink.

Ultra Electronics, Sotech Inc is a company specializing in ensuring the safety, security, and interests of the Citizens of the United States of America. Ultra Electronics Sotech Inc utilizes a variety of applications to support the needs of the customers including design and integration of RF communications systems to support various Military and Law Enforcement entities. The authorization of the use of these frequencies will greatly assist the research and development department in conducting testing of products aimed at providing services and communications to users and devices in tactical or hazardous environments.

Ultra Electronics, Sotech Inc is requesting these licenses to conduct research, engineering, and demonstration purposes at their facility in Annapolis Junction, MD. Ultra Electronics, Sotech Inc will not be providing commercial services on these frequencies. These tests will be conducted utilizing a low output power and a low gain antenna system at a height no greater than 4 meters, providing RF coverage over a short range extending around the facility and the associated parking area. Ultra Electronics, Sotech Inc will require a private cellular communications network for testing and engineering of cellular applications used to support law enforcement and military operations.

The engineering and demonstration sessions utilizing these frequencies will not require transmissions to be persistent. The testing will typically be short in duration, lasting several days to weeks at a time but will be ongoing as testing and development continues. By securing a 2 year license, this will allow for Sotech to continue to test and improve on the products being developed.