

Description of Proposed Operation

Applicant is engaged in the manufacture and development of radio equipment. Our various developmental programs would involve experimentation, development, testing and demonstration of various voice and data modulation techniques for application to speech and data privacy equipment, digital selective calling, signalling, telemetry of digital data, multiple access discrete address and other forms of telemetry and signal exchanges over radio links.

Our experimentation has previously been performed under the Experimental Radio Service authorizations issued to us under call signs KS2XEO and KS2XEP. However, through an oversight, these authorizations have expired. Accordingly, we are seeking new licenses to cover experimentation and demonstration of radio equipment in the same manner as previously authorized under these call signs. As we are continually developing new equipment, we required continued authorization to operate our systems.

**TECHNICAL COMMUNICATIONS CORPORATION
RADIO EQUIPMENT LIST**

TCC is involved in Researching, developing and marketing communications encryption products that are used on various commercial and military communication radios available throughout the world. To accomplish these tasks we maintain a wide variety of installed and portable radio communications equipment. We are also required to demonstrate our capability on whatever radio the customer requires and may temporarily provide. Our inventory of communication security equipment can and does change on an erratic basis. Currently, our radio equipment consists of the following baseline items:

INSTALLED

HF base stations consisting of:

- (1) Harris - 2301 HF Transceiver
- (1) Harris - 230 RC
- (1) Mackay MSR 8000 Transworld TW 100

PORTABLE

- (6) Southcomm International SC130 HF Back Pack Portable
- (2) VHF military style Back Pack Portable AN/PRC-77