

FCC Form 442
Attachment explaining test modes

OSU-UML is applying for TV experimental licenses under the following applications:

0040-ex-pl-2007

These licenses are critical for testing of systems for National Security purposes. The required tests are for TV transmissions in the following categories:

- a. VHF Low band (Channels 2-6) non-directional,
- b. the VHF High Band (Channels 7-13) non-directional, and
- c. the VHF Low band directional.

The National Security testing for which these licenses are needed, require at least one license, and preferably two licenses in each category (a, b, and c).

To facilitate FCC approvals and substantially reduce the likelihood of reportable interference, the USSOCOM test operators are willing to confine and limit all tests during the hours of 12 midnight to 6 am. Such a restriction should be imposed if necessary to approve the minimum license coverage described above as required for the military tests.

USSOCOM experimental RF testing using these FCC licenses consists of two types of Tests:

1. System Level Integration:
 - 1kHz tone or licensed audio for 5-10 minutes
 - Remote teams are measuring mV strength at 25 miles
2. Operational Tests:
 - Authorized audio/video material for short periods
 - Remote teams are measuring fidelity and quality

In both cases, operators are in constant contact with remote teams. They are also monitoring for potential interference. During all tests, any reports of interference trigger an immediate cessation of emissions by the government testing operators.

These tests are conducted under CFR 47, Part 5, section 5.202 (b) (g) (h) and (k).