

# NARA NVIS Tests

Near Vertical Incident Skywave Tests by the Nanaimo Amateur Radio Association

**NARA invites you and your club members to participate in some NVIS radio propagation tests on the 60m band.**

Here is the essential information:

- **Date** - Saturday October 18
- **Time** - 11am to 3 pm
- **Callsign** - VE7NA
- **Mode** - USB
- **Frequency** - 5.346.5 MHz (dial frequency)  
(On channelized radios use 5.348 MHz)

NARA has been interested in NVIS propagation for a while and earlier this year conducted some simultaneous tests from a single location on the 80m, 60m and 40, bands. All three stations used resonant dipole antennas and we discovered that the 60m band gave some very good results.

**As a result, on October 18 NARA will just use the 60m band to further test the effectiveness of NVIS during daylight hours. This is when the D-layer prevents longer distance communication because of the attenuation through the D-layer.**

One of the reasons that the Amateur Radio Service gained the 60m band in 2002 was because these frequencies were recognized as being very useful for emergency communications. While the 60m band is often forgotten it can produce good ranges during daylight and longer distance communication

at night when the D-layer is not present.

So the NARA scenario for these tests is to simulate voice communication (USB) from say an Emergency Operations Centre (EOC) trying to communicate over several hundreds of Kilometers during daylight.

Many amateur radio stations may not have 60m antennas but with some ingenuity amateurs should be able to load up one of their wire antennas to radiate a signal on the 60m band.

In addition to VE7NA transmitting from the Nanaimo area, we also welcome listener reports/logs from other stations. Especially noting what stations were calling VE7NA but who were not heard by VE7NA.

VA7NA will put out voice calls on the above frequency during the test period every 10 minutes but do call in at any time. Please do consider participating in these propagation tests and please advise your friends.

**Hoping to work you on 60m, 73 NARA.**

