

From: Kiely Cronin

To: Anthony Serafini

Date: November 22, 2013

Subject:

---

Message:

We have undergone experimental testing with our RuralConnect, TVWS radio, but have exceeded the time period granted through a STA.

We wish to continue testing and it is our understanding that in order to do so we need to apply under a longer term form 442. Each base antenna location reflective within this application pertains to rural environments, where TVWS was viewed as a potential for long-awaited and much needed internet connectivity. These tests have needed to be ongoing, to prove out the stability and long-term viability of the system.

This system is PAWS compliant and we are working with Spectrum Bridge to ensure proper channel usage. Each base location will be equipped with a RuralConnect base station radio and omni directional antenna. Our access point is rack-mounted and so located within an enclosure.

The base stations are managed from Carlson Wireless's Operations and Management Centre (OMC), a cloud based GUI. Without connection to the OMC for a predetermined period the base station will not transmit.

We have provided a "stop-buzzer" contact, Kiely Cronin, who will be available at all times during the testing in the event that there is any interference.

The proposed operating frequencies have been selected to avoid incumbents. Proposed radiated powers have been limited to a range where modeling indicates that incumbent interference is extremely improbable.