

# W1BST Ossipee, NH



**The  
Lakes  
Region  
Repeater  
Association**

**6 Meters- 53.47 Mhz**

**2 Meters- 147.03 Mhz**

**70 Centimeters- 442.100 Mhz**



# TECHNICAL COMMITTEE REPORT

Thanks to the team, present and past (recognize present members)

## Current Equipment and Repeaters:

**2 meters**- Kenwood, TKR 720, watts out at antennae 45 +/-, Wacom, duplexers

**6 meters**- GE Ranger Receiver? + Kenwood Mobile transmitter watts out at antennae 75 +/-, db reject, duplexers with cell wave pass cavity

**440 repeater**- Yaesu Fusion watts out at attenuate 30+/-, db duplexers

## Antennae

Diamond V 2000 with triplexer (tri-bander) at 125 feet +/-

Serves 2 meter TX & RX and 440 TX & RX and also 6 meter RX.

A Ringo 6 meter antennae at about 15 feet off shack serves as 6 meter TX

## Performance

**2 meters** - RX & TX about equal to 50 watt mobile

**440** - RX & TX about equal to 25 watt mobile

**6 meters** - working but needs improvement with isolation?, adjustments, filtering, and/or controller (suspect).

## Bennett Hill Site, Ossipee, NH

New monopole tower with ½ inch hard line on Crown Castle facility.

Ground elevation 1220 feet +/-

Height above average terrain (haat) 580 feet +/-

Antennae height on tower 125 feet +/-

## WISH LIST/NEEDS:

Backup power source for at least 2 meters (battery/charger).

Controller(s) with control link + back up repeater

To be determined - new 2 antennae configuration with hard line for all three repeaters.

## QUESTIONS