



Illustration 1: Mt Ashland Repeater Site

Mt Ashland & Elk Mt.

The **Mt Ashland repeater site** is located approx 8 miles SW of Ashland, Oregon as the crow flies, elevation 7,533 feet.

The antenna is an omni-directional vertical about 20 feet above ground.

The repeater is a GE MVP running about 40 watts output. The

duplexers are Sinclair with a new harness cut for our frequency. We now have an insertion loss on Receive of -2.0db and a reject of -90db. On Transmit insertion is -1.0db and rejection is -80db. These are four 4 inch pass/reject type duplexers. Also installed is an EMR brand BPC(band pass cavity) on the Receive and has PL tone to keep out interference.

The power supply is an Astron 35 donated by AHL Tuck in Roseburg. There is an APC brand power conditioner to protect from spikes, etc.

The equipment is located in the National Weather Service bldg, just a few feet below the very top of the mountain. It has a large Onan generator and a 2,000 gal (approx.) diesel tank.

This repeater reaches Roseburg to the North; South to Weed and Mt Shasta city; southeast toward Alturas, into Klamath/Keno; and, West to the Grants Pass and Josephine County area including the Applegate valley.

Snow can reach over 20ft with ice of 26" on the bldg and winds clocked by radar up to 175mph.

The **Elk Mt MARS repeater** is at 4,270 ft. It is located NE of Grants Pass and NW of Rogue River. the antenna is a Scala OG-4 at 70FT. It is a Motorola MSR-2000 with 90 watts into the duplexer. We run LMR 400DB on the antenna system. We hope to get a new harness on the duplexers this Summer (2009) and also install a MARS digi like we have on mt Ashland, This will help us get into areas such as Josephine County area are hard to reach due to geography, topology, and geology and other parts of Jackson Co.

Submitted by Gary, OXU