

# Mt. Lukens

## Technical Information:

Latitude (NAD27): 034 16 06  
Longitude (NAD27): 118 14 12  
Ground Elevation (Feet): 5046  
Tower Height (Feet): 120  
Tip of Antenna (Feet): 140  
AAT (Meters):(based upon ant height 30 meters) 803

Latitude (NAD83): 034 16 06  
Longitude (NAD83): 118 14 15.3  
Ground Elevation (Meters): 1538  
Tower Height (Meters): 36.6  
Tip of Antenna (Meters): 42.6  
AAT (Meters):(based upon ant height 30 meters) 803

Existing Callsign at site: WIK898  
Phone Lines: 100 pair feed w/pairs available



Qty	Antennas:	Height	Freq	Combiner Loss	Notes
7	SRL310C4	80	406-512Mhz	3-4db	Ports available @ \$1300
5	SRL410C4	100	851-866Mhz	3.0db	Ports available @ \$1200
5	SRL410C4	100	928-940Mhz	3.0db	Ports available @ \$1200

Backup Power: 70KW Generator, 2000 gallons fuel & 10,000 Amp-hour battery system  
Community Satellite Dish: None  
Additional Antennas: Space available on tower with 2 3/8" OD mounting stubs subject to prior use

Our Mt. Lukens site is located in the center of the mountain at a ground elevation of 5046 feet. The radio equipment is located inside the equipment building with a 120' self supporting tower next to the building. The radio room has ample power, air conditioning and has racks and cable trays installed. Almost all equipment is mounted in open frame racks due to space constraints, however there is a small amount of space for radios in cabinets. The building has a high ceiling, thus allowing for cavities to be mounted above the racks.

The site has a 220 degree City view from the top of the tower. There is ample space on the tower for additional transmit antennas and satellite dish antennas. All installation work is performed by MRA as we do not allow anyone else on the tower. We have a 10' x 12' public rental room in which we will issue keys. There are currently two paging transmitters located in the same room.

We have Rx multicoupling available at the site. We have receive windows for 221-223Mhz, 440-445Mhz, 456-459Mhz, 466-470Mhz, 474-476Mhz, 510-512Mhz, 1270-1276Mhz.

We have Tx combining available at the site. We have Tx combiners available for 217-225Mhz, 406-512Mhz, 851-866Mhz, 928-940Mhz and 1282-1288Mhz.  
Systems on 144-174 require their own antennas.