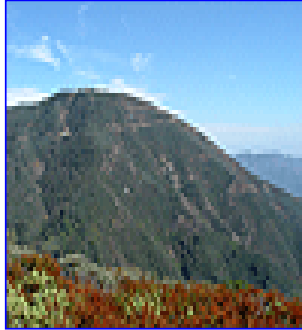


# Mobile Relay Associates Inc. Sierra Peak Site

## Technical Information:

Latitude (NAD27): 033 51 00  
Longitude (NAD27): 117 39 05  
Ground Elevation (Feet): 3045  
Tower Height (Feet): 50  
Tip of Antenna (Feet): 70  
AAT (Meters):(based upon ant height 18 meters) 582



Latitude (NAD83): 033 51 00.1  
Longitude (NAD83): 117 39 08.2  
Ground Elevation (Meters): 928  
Tower Height (Meters): 15  
Tip of Antenna (Meters): 21  
AAT (Meters):(based upon ant height 18 meters) 582

Existing Callsign at site: WIK898  
Phone Lines: 25 pair feed w/pairs available



Currently, the only equipment we have installed at the site is UHF radios in the 440-512Mhz frequency range. We have a master antenna system to cover the UHF bands, but there is no Rx multicoupling or Tx combining for any other band.

Backup Power: Yes  
Community Satellite Dish: None  
Additional Antennas: 6 mounting places available on the tower that we have to date.

Our Sierra Peak site is located on the east end of the peak, overlooking Corona from a ground elevation of 3045 feet. The radio equipment is located inside the radio building with a self supporting tower immediately adjacent to the building. The radio room has ample power, air conditioning and has racks and cable trays installed. All equipment is mounted in open frame racks due to space constraints, however there is a small amount of space for radios in cabinets. There is a high security door on the building.

The site has a 360 degree view from the top of the tower. However, Sierra Peak is the lowest peak in the Cleveland National Forest, thus making the coverage to the southeast marginal since you are looking over the top of the mountains in that direction. Sierra has excellent coverage of the inland empire, especially Corona. It also covers the 91 freeway corridor extremely well. Additional coverage includes LA, parts of the San Fernando Valley and Orange County. Sierra Peak does not work well into southern Orange County area south of San Juan Capistrano due to terrain shielding.

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

We have Tx combining available at the site. We have Tx combiners available for 406-512Mhz. Systems on 144-174 require their own antennas.