

Santiago Peak

Technical Information:

Latitude (NAD27): 033 42 37
Longitude (NAD27): 117 32 01
Ground Elevation (Feet): 5680
Pole Height (Feet): 60
Tip of Antenna (Feet): 80
1141

Latitude (NAD83): 033 45 27.1
Longitude (NAD83): 118 21 40.3
Ground Elevation (Meters): 1731
Pole Height (Meters): 18.3
Tip of Antenna (Meters): 24.4
AAT (Meters): *(based upon ant height 17 meters)* 1141

Existing Callsign at site: WPHH466
Phone Lines: 50 pair feed w/pairs available



Note: We are about to take possession of this building within the next 30 days. There are certain items that are unknown to us and therefore, we are making an educated guess on certain items as well as working from memory.

Backup Power: 50KW Generator, 1000 gallons fuel

Community Satellite Dish: None
Additional Antennas: Space available on poles with crossarms already installed

Our Santiago Peak site is located on the northeast side of the mountain at a ground elevation of 5680 feet. The radio equipment is located inside the radio building which is made of concrete block with a metal roof. The radio room has ample power, air conditioning, alarm system and a heavy metal security door. Most of the equipment is mounted in open frame racks due to maximize space utilization, however there are several places for radios in cabinets.

The site has a 360 degree view from the top of the poles. The site covers the inland empire very well as well as the San Gabriel & Pomona Walnut Valleys. The site also covers LA and Orange Counties well, but has some minor shadowing to the foothills of southern Orange County where it looks across the top of the peak.

We have Rx multicoupling available at the site. We have receive windows for 456-459Mhz, 466-470Mhz, 806-821Mhz and 896-901Mhz

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