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The purpose of this minor change is to better serve the areas in and around Ruidoso New Mexico. We will do this by increasing the transmitter power to 1 kw. and changing the antenna. The 4DR-8-2HW antenna will cover the area of the old 4DR-16S antenna and improve the signal into surrounding areas. I have included two profiles to show blockage to Truth or Consequences by a mountain range and to El Paso by a near peak on Buck Mountain. The antenna will be at 115 azimuth.

**K R Q E - T V**

13 BROADCAST PLAZA SW  
ALBUQUERQUE NM 87104

SPIRIT OF THE SOUTHWEST

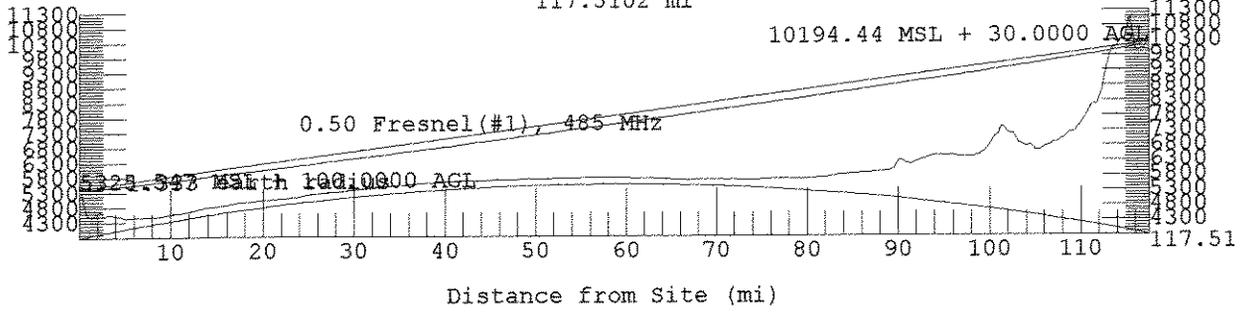
KTSM-TV  
31 48 18.50 N  
106 28 58.80 W

20.1751° (El +0.443°)  
200.5529° (El -0.443°)  
117.5102 mi

33 24 14.00 N  
105 46 55.00 W

Buck

Height Above MSL (ft)

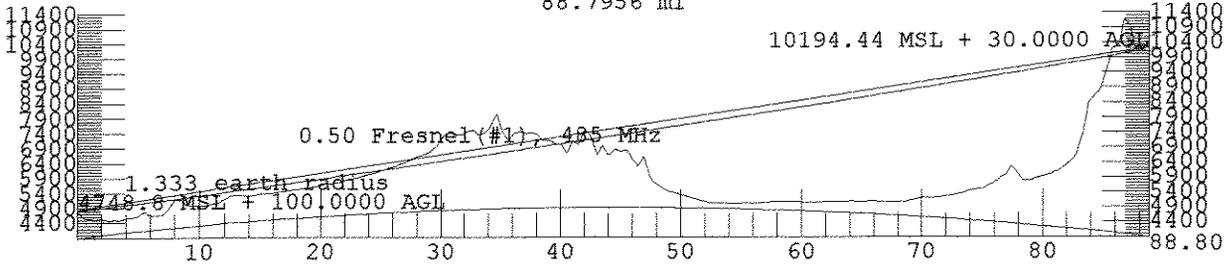


Mud Mtn. / T. or C.  
33 08 48.00 N  
107 17 06.00 W

78.0728° (El +0.657°)  
258.8975° (El -0.657°)  
88.7956 mi

Buck  
33 24 14.00 N  
105 46 55.00 W

Height Above MSL (ft)



Distance from Site (mi)

Antenna: 4DR-8-2HW

Polarization: Horizontal

Channel: 16

Markers

115

