

Engineering Exhibit
KPEK (FM), Albuquerque, NM (FID 4704)

RF Radiation Compliance

Proposed Transmitter Location

The proposed auxiliary facility will implement digital transmissions. KPEK auxiliary transmitting facility is located in the Albuquerque antenna farm on Sandia Crest. The proposed antenna system is an EPA type 3, single bay antenna, mounted with its center of radiation 20.0 meters above the ground level, and will operate with an effective radiated power of 6.7 kilowatts in both the horizontal and vertical planes and a HAAT of 1223 meters.

Environmental Considerations

Due to the complexity of the antenna farm radiofrequency environment on Sandia Crest, KPEK will take power density measurements prior to filing of an application for license to demonstrate compliance with 74CRR 1.1306.