

RADIO FREQUENCY FIELD LEVEL

The K30AA facility currently operates from Cheyenne Mountain, El Paso County, Colorado. Since several broadcast, microwave, and other various RF technologies operate from Cheyenne Mountain, access to the location is restricted by a fence and a locked gate. A strict RF safety program has been documented for the benefit of any personnel that must work in the vicinity of the RF sources. Per the most recent RF measurement data provided by the applicant, only one location exceeds the controlled exposure limit and it is marked with appropriate RF warning signs.

The proposal will contribute $12.8\mu\text{W}/\text{cm}^2$ to the area around the base of the tower when assuming a 0.0458 elevation field. This RF level correlates to 0.67% of the occupational maximum exposure level. This additional RF contribution will not significantly impact the total Radio Frequency Field levels around the base of the tower since the applicant is currently operating with a four-bay antenna that has less suppression in the lower elevation levels. Furthermore, the addition of 0.67% to areas around the base of the tower will not cause them to exceed the current occupational maximum exposure level and the one point that currently exceeds the level is appropriately marked proper RF warning signs.

FCC RULE, SECTION 1.1307

The proposed operation based upon the current OET Bulletin No. 65, Edition 97-01, dated August 1997 and Supplement A meets the provisions of the FCC radio frequency field guidelines, and thus, complies with Section 1.1307 of the FCC Rules.

An environmental assessment (EA) is categorically excluded under Section 1.1307 of the FCC Rules and Regulations since the applicant indicates:

- (a)(1) The existing site is not located in an officially designated wilderness area.
- (a)(2) The existing site is not located in an officially designated wildlife preserve.

- (a)(3) The proposed facilities will not affect any listed threatened or endangered species or habitats.
- (a)(3)(ii) The proposed facilities will not jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats.
- (a)(4) The proposed facilities will not affect any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering or culture.
- (a)(5) The existing site is not located near any known Indian religious sites.
- (a)(6) The existing site is not located in a flood plain.
- (a)(7) The installation of the new antenna on the tower will not involve a significant change in surface features of the ground in the vicinity of the tower.
- (a)(8) It is not proposed to change the current lighting on the tower.
- (b) Workers and the general public will not be subjected to RFF levels in excess of the current FCC guidelines. Authorized personnel will be alerted to areas of the antennas where potential radiation is in excess of the FCC guidelines.