

RF Radiation Compliance

Citicasters Licenses, L.P. KPEK, Albuquerque, NM (fid 4704) BXPB-20050408ACD

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This statement is to demonstrate that the restrictions for establishing program test authority as spelled out in number 1 and 2 of the special operating conditions of construction permit BXPB20050408ACD have been met. And that this site meets established guidelines as outlined in OET Bulletin 65 edition 97-01. On June 15th 2005 KPEK tested the aforementioned facilities to determine RF compliance.

This antenna is located at the Sandia Crest Electronics site which consists of many radio and TV station towers. There is a comprehensive site study done by Hammet and Edison analyzing this site dated March 4 2005 and has prepared an RF safety site plan for this complex and has conducted actual measurements to verify compliance with FCC OET Bulletin 65. This site is fenced and equipped with Locked gates and Signed to warn the public from entry to the site. There for this site is considered as an occupational controlled area. All occupational personnel accessing this site are greeted with numerous warning signs advising of the potential of High RFR exposure levels. This site is measured regularly to ensure continued compliance with FCC rules. For those existing areas inside the Occupational fenced areas that exceed FCC limits, they are clearly marked with ANSI standard RF warning signs. The only locations found to exceed occupational levels are at certain tower Guy anchors or tower bases. These areas are currently clearly marked with the appropriate warning signs. Power reduction plans are in place should work on the towers above ground level be required.

Actual measurements were made using a Narda 8718 RF survey meter and A8742D RF E field probe. This combination allowed measured signals at the site from 300 KHZ to 3.0 GHZ to be considered. A survey of the area was done to create a base line of RF fields present at the site while operating in normal operations. These readings were noted. Then the KPEK auxiliary antenna was operated at 6.7 KW erp and a second set of readings were taken. It was found that several areas exceeded 100% of occupational exposure outside of the currently marked areas on the site. This would have required additional signage or fencing to protect workers in those areas. A Third test was done operating the antenna at a lower erp and the power was reduced to a level that did not

create any additional rf hot spots exceeding 100% of the occupational levels on the site. This level was determined to be 1.5 KW erp and is the power level that will be requested. Due to the complex nature of the many RF fields present on the site, the readings did change but only in limited amounts and the changes never caused an increase to a point to cause an existing location to exceed the occupational levels spelled out in OET 65 or an existing marked "hot spot" to increase in intensity.

There for it is determined that this antenna as installed does comply with the Guidelines in OET 65 and the requirements as set forth in paragraph 1 and 2 of the Construction permits special requirements are met.

Paul Jellison
Regional V-P Engineering
Citicasters Licenses L.P.