



May 3, 2021

**K04EQ Fort Jones, Etc. CA - Facility ID: 8242
Displacement Application and Change to Digital**

This is a displacement application for K04EQ Fort Jones, Etc., CA. The applicant proposes to change to digital channel 22 and change the directional antenna pattern associated with the station. The proposal utilizes an existing antenna structure support, replacing the analog antenna that is there now with the proposed Scala 1469B directional antenna.

47 C.F.R. Section 1.1306

A Commission grant of Authorization for this location would not be an action which may have a significant environmental effect. The subject station's predicted power density contribution at the multiple-use site is not considered significant and does not require consideration. Based on worst-case calculations and considering a very conservative vertical relative field factor of 0.3 pursuant to OET Bulletin 65, the proposed television facility is predicted to produce a maximum power density of only 0.4 microwatts per square centimeter at two meters above ground level. This represents only 0.11% of the FCC Guideline value of 347.33 microwatts per square centimeter for uncontrolled RFR environments. Pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would contribute less than 5% of the uncontrolled limit and controlled exposure limit, the proposal's power density contribution is insignificant. The



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permittee/licensee in coordination with other users of the site will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

47 C.F.R. Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h)

K04EQ proposes to operate on UHF channel 22, therefore 74.709 is not applicable. A copy of the FCC TVStudy software interference report is included with this application that demonstrates the stringent mask proposed meets the requirements of 74.793(e) (f) (g) and (h).

Carl E. Gluck

Carl E. Gluck, CPBE

