



K20CN-D Fortuna, Rio Dell, CA - Facility ID: 8247
Application for a Minor Modification Construction Permit

This is an application for a minor modification construction permit to reduce the antenna height and reduce the effective radiated power for the facility used by K20CN-D Fortuna, Rio Dell, CA. All other parameters are unchanged. The proposed site is an existing unregistered communications tower.

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. 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 which exceeds the FCC Guideline value of 339.33 microwatts per square centimeter for uncontrolled RFR environments. Further, because the proposed facility is located in close proximity to some other radio broadcast stations, the cumulative power density of all the stations operating from the shared site must be considered.

In light of the above, once the proposed facility is authorized and installed, an RFR measurement survey will be undertaken to determine the effect of the proposed facility on the RFR environment. Any changes necessary to the existing RFR safety plan will be made accordingly. Further, the applicant is committed to reducing power or ceasing operation as necessary to protect persons having access to the site, tower or

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antenna from RF electromagnetic fields in excess of FCC's occupational guidelines.

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

K20CN-D operates on UHF channel 20. Section 74.709 addresses land mobile protection requirements for UHF channels 14-20. Attached is a TVStudy Interference Check printout for the proposed facility. It includes a line that says: “No land mobile station failures found.” Thus the proposal is compliant with Section 74.709. The same printout of the FCC TVStudy software interference report demonstrates the stringent mask proposed meets the requirements of 74.793(e) (f) (g) and (h).


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