



**W32EO-D Tryon, Etc. - Facility ID: 56538
Displacement Application for
Construction Permit (to Channel 22)**

This is a displacement application for a construction permit to change W32EO-D to channel 22. The proposal changes the antenna pattern and effective radiated power. The proposed site is an existing communications tower. The proposed directional antenna is a Scala 4DR 4S Parapanel UHF TV Antenna.

W32EO-D was displaced by the repack channel change of WAXN-TV Kannapolis, NC to Channel 32. W32EO-D causes impermissible interference to WAXN-TV as repacked, necessitating a channel change for W32EO-D.

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 343.33 microwatts per square centimeter for uncontrolled RFR environments. Further, because the proposed facility is located at a site close to a number of other television and radio broadcast stations, the cumulative power density of all the stations operating from the shared site must be considered.



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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 in 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 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)

74.709 pertains to TV applicants proposing use of TV Channels 14-20. The applicant for W32EO-D proposes operation on channel 22. A copy of the FCC TVStudy software interference report is included with this application that demonstrates the full service mask proposed meets the requirements of 74.793(e) (f) (g) and (h). Please note that the TVStudy Interference Check was done using a grid setting of Study cell size: 1.00 km and Profile point spacing: 0.20 km.

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