



**W32EO-D Tryon, Etc. - Facility ID: 56538
Displacement Application for
Construction Permit (to Channel 19)**

This is a displacement application for a construction permit to change W32EO-D to channel 19. The proposal relocates the antenna, changes the antenna pattern and effective radiated power.

The proposed site is an existing communications tower. The proposed directional antenna is a Dielectric TUM-LP-C3-1/3M-1. This is a shared antenna with W21EP-D (CP), FCC File No. 0000226121.

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 of 3.234 $\mu\text{W}/\text{cm}^2$. This represents only 0.96% of the FCC Guideline value of 335.33 microwatts per square centimeter for uncontrolled RFR environments. Pursuant



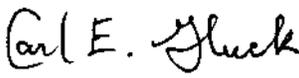
W32EO-D Tryon, NC – Displacement Application Sheet 2

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.

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 19. A copy of the FCC TVStudy software interference report is included with this application states “No land mobile station failures found”. Further, the TVStudy report demonstrates the full service mask proposed meets the requirements of 74.793(e) (f) (g) and (h).


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