



**KDKZ-LD Farmington, MO - Facility ID: 185427**  
**Displacement Application for**  
**Construction Permit (to Channel 22)**

This is a displacement application for a construction permit to change KDKZ-LD from channel 18 to channel 22. This proposal relocates KDKZ-LD about 47 km (29.2 miles) to the north to an existing communications tower, ASR 1004576. The proposed directional antenna is an ELTI TVPA 40/50 UHF TV Antenna rotated to 30 degrees true north.

KDKZ-LD was displaced by the repack channel change of WSEC(DT) Jacksonville, IL (FAC ID 70536), and Digital Companion Channel WQWQ-LD 18 Paducah, KY (FAC ID 19595). KDKZ-LD as Licensed causes 4.16% interference to WSEC(DT). WQWQ-LD with its recent license on channel 18 causes 3.25% interference to KDKZ-LD as licensed. The proposed displacement to channel 22 remediates this interference.

**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 only 2.67 microwatts per square centimeter at two meters above ground level.

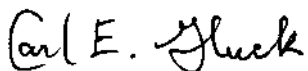
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This represents only 0.77% of the FCC Guideline value of 347.33 microwatts per square centimeter for uncontrolled RFR environments. Pursuant to Section 1.1307(b)(3) of the FCC Rules, because the proposed facility would contribute less than 5% of the uncontrolled limit and controlled exposure limit, the proposal's power density contribution is insignificant.

Further, the Applicant will continue to cooperate/coordinate with other site users and reduce power and/or cease operation during times of service or maintenance of the transmission systems as necessary to avoid potentially harmful exposure to personnel. In light of the above, the proposed facility should be categorically excluded from RF environmental processing under Section 1.1307(b) of the Commission's Rules.

### **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 KDKZ-LDZ proposes operation on channel 22. A copy of the FCC TVStudy software interference report is included with this application that demonstrates the simple mask proposed meets the requirements of 74.793(e) (f) (g) and (h).



Carl E. Gluck, CPBE

