

This Engineering STA is to request temporary authority to install and operate a side mount standby antenna for television station KPXE-TV, Kansas City, MO, according to the specifications noted in this Application.

KPXE-TV received a Construction Permit to move from channel 51 to channel 30 on December 19, 2014 (BMLCDT-20041112AAI). In anticipation of this channel move, the station will need to operate from a temporary standby antenna while the channel 30 antenna is installed and made operational. Accordingly, a six month STA is requested and should be adequate to complete this project.

Finally, attached hereto and made a part hereof, is a Hazard Statement regarding human exposure at this site during the temporary operation with the standby antenna.

RF HAZARD STATEMENT
SPECIAL TEMPORARY AUTHORIZATION (STA)
TELEVISION STATION KPXE-TV
KANSAS CITY, MISSOURI
CHANNEL 51 85 KW 290 M

With respect to the potential for human exposure to radio frequency (RF) energy, calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the proposal will not result in human exposure to RF energy at ground level in excess of FCC standards. Power density calculations were conducted at 2-m above ground* based on the following conservative assumptions, with the following results:

Call Sign	Channel	Average ERP (kW)	Distance (m)	Relative Field Factor†	FCC Limit‡ (mW/cm²)	Percentage of Limit
KPXE-TV (STA)	51	85	297	0.30	0.463	0.63%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 0.63% of the FCC limit for general population / uncontrolled exposure. Therefore, the proposal complies with the FCC limits for human exposure to RF energy and it is categorically excluded from environmental processing. The applicant, in coordination with other users of the transmission facility, shall reduce power or cease operation as necessary to protect persons having access to the tower or antenna from RF energy in excess of the FCC guidelines.

* The radiation center is located 297 m above ground level.

† This is a conservative assumption for the maximum relative field at steep downward angles.

‡ for general population/uncontrolled environments