

LICENSE TO COVER
Construction Permit BNPFT-20170726ANX
K272FZ Sioux Falls, SC
FACID 201094

TECHNICAL STATEMENTS

TRANSMITTER POWER OUTPUT

TRANSMITTER POWER OUTPUT = 550 WATTS
ANDREW JUMPER = -0.2 dB
185 METERS FOAM COAX = -2.96 dB
ANDREW JUMPER = -0.1 dB
TWO-BAY BEXT TFC2K ANTENNA = -0.15 dB
EFFECTIVE RADIATED POWER = 250 WATTS.

SPECIAL OPERATING CONDITIONS:

- The permittee will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- The permittee is filing a license application prior to commencement of operations of the translator.
- The AM tower on which the antenna is mounted is the Primary AM station for the translator and is co-owned by the permittee. The tower is the daytime non-directional tower for KXRB, and it was determined that KXRB (AM) did not need to operate by the indirect method during the installation of the FM antenna, as the tower is grounded and has a unipole skirt for the AM radiation and it was not anticipated to cause any variance in the AM operation. The most recent base impedance measurements and field readings were checked for KXRB (AM) and noted for measurement following construction of the FM translator. Following installation of the FM antenna and coax cables, base impedance measurements were checked and found to have no variation from licensed parameters. Field readings were checked and no variation was found to have been caused by the installation of the FM antenna and coax. As such, no filing for KXRB (AM) is required as the operating parameters of the station have not changed.
- The translator is repeating the AM station as authorized.