

**Engineering Exhibit**  
**KNFX-FM Bryan, TX (Facility ID# 41410)**  
**RF Compliance Statement**

The KNFX-FM transmitting facilities authorized in construction permit BPH-20070214ABG are located 46.6 meters above ground level upon a 17.9 meter tall tower mounted on the roof of a 32.3 meter building at 1716 Briarcrest Drive in Bryan, Texas. The rooftop is a multi user telecommunications site. The following broadcast facilities are permitted to operate from the site:

<u>Call Letters</u>	<u>Frequency</u>	<u>ERP</u>
KNFX-FM	99.5 MHz	6 kW
KNFX-FM Aux	99.5 MHz	0.45 kW
K265DH	100.9 MHz	0.25 kW

**Facilities:**

KNFX-FM utilizes a 4-bay Shively half-wave spaced circular polarization non-directional 6813 model antenna with a center of radiation located at 46.6 meters above ground level. The antenna is side mounted on a 17.9 meter guyed tower located on the roof of a 32.3 meter building at 1716 Briarcrest Drive in Bryan, Texas.

KNFX-FM auxiliary utilizes a 1-bay ERI LPX-1E circular polarization non-directional antenna with a center of radiation located at 41.4 meters above ground level. The antenna is side mounted on a 6.1 meter tower located on top of a 3 meter elevator penthouse of a 32.3 meter building at 1716 Briarcrest Drive in Bryan, Texas.

Translator K265DH utilizes a 4-bay non-directional antenna of unknown make and model. The antenna is side mounted on a nearby 12.5 meter tower located on the roof of a 32.3 meter building at 1716 Briarcrest Drive in Bryan, Texas.

The access to the roof top is secured by a locked door and alarm panel. An appropriate cautionary sign is posted on the roof access door.

**Prediction Method:**

Measurements were made by members of the KNFX-FM engineering staff in all generally accessible areas within the transmitter site compound on the roof and surrounding areas including inside the building in accordance with guidelines provided in OET Bulletin 65 Edition 97-01 with regard to General Population/Uncontrolled Exposure and Occupational/Controlled Exposure limits. A NARDA 8718B EM Survey meter (SN#1532 cal 1//08) utilizing a B8742D Shaped E Field Probe (SN#07001 cal 1/08) was used to make the measurements. The B8742D is a shaped probe corresponding to the 1997 FCC General Population/Uncontrolled Standard with usable response from 300 kHz – 3 GHz providing a reading of the electric field component in percentage of the plane wave equivalent power density corresponding to the 1997 FCC General Population/Uncontrolled Exposure Standard. Measurements were made using the “Max Hold” function of the NARDA 8718B meter while slowly walking a survey grid around the

site sweeping the meter probe up and down and side to side in an oscillatory fashion covering as much volume of space as practical.

No locations on the roof top, inside the building or at ground level were identified that exceeded the limits specified in OET Bulletin 65 Edition 97-01 with regard to General Population/Uncontrolled or Occupational/Controlled exposure. The maximum peak measured field was 28% of the 1997 FCC General Population/Uncontrolled Exposure limit. This corresponds to 5.6% of the 1997 FCC Occupational/Controlled Exposure limit. Thus, KNFX-FM, when operated as permitted by BPH-20070214ABG complies with OET Bulletin 65 Edition 97-01 with regard to the General Population/Uncontrolled Exposure and Occupational/Controlled Exposure at all accessible points on the roof top, inside the building or at ground level on and around the site.

KNFX-FM, in cooperation with other licensees, will reduce power or cease operations as necessary to protect persons having access to the site, including the towers or antennas, from RF exposure in excess of FCC guidelines.