

TECHNICAL EXHIBIT
APPLICATION FOR MODIFICATION OF LICENSE
STATION KPXE-DT (FACILITY ID 33337)
KANSAS CITY, MISSOURI
CH 51 1000 KW 339 M

Technical Narrative

This technical statement was prepared in support of a modification to the license application for station KPXE-DT at Kansas City, Missouri. Specifically, the purpose of this technical statement is to correct the transmitter site coordinates to agree with the tower registration (ASR) information.

Station KPXE-DT is currently licensed to operate on channel 51 with an effective radiated power (ERP) of 1000 kilowatts (kW) and an antenna height above average terrain (HAAT) of 339 meters. (BLCDT-20040406AAC). The antenna radiation center height is 346 meters above ground level (AGL), and 616 meters above mean sea level (AMSL). A Dielectric TFU-24GTH-R O4 non-directional antenna system is employed.

The corrected transmitter site coordinates are: 39-01-20 N, 94-30-49 W. This reflects a change of 1 second in latitude and no change in longitude. There are no other proposed changes/corrections to the licensed KPXE-DT facility. This information corresponds to the current tower registration (ASRN:1064715).

Since § 73.1690(b)(2) permits changes of this nature without filing a 301 application for construction permit, no allocation studies or coverage map is provided. It is believed that the proposed change (coordinate correction) is insignificant.

Ground Level Radiofrequency Electromagnetic Field Exposure

The KPXE-DT facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. A downward relative field value of 0.1 was assumed for the KPXE-DT antenna (see Figure 2). The maximum ERP is 1000 kW. The “worst-case” calculated power density at a point 2 meters above ground level is 0.0028 mW/cm^2 . This is less than 5% of the FCC's recommended limit of 0.46 mW/cm^2 for channel 51 for an “uncontrolled” environment.

Access to the transmitting site is restricted and appropriately marked with warning signs. In the event that workers or other authorized personnel enter restricted areas or climb the tower or any nearby adjacent towers, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner as part of the tower registration process.

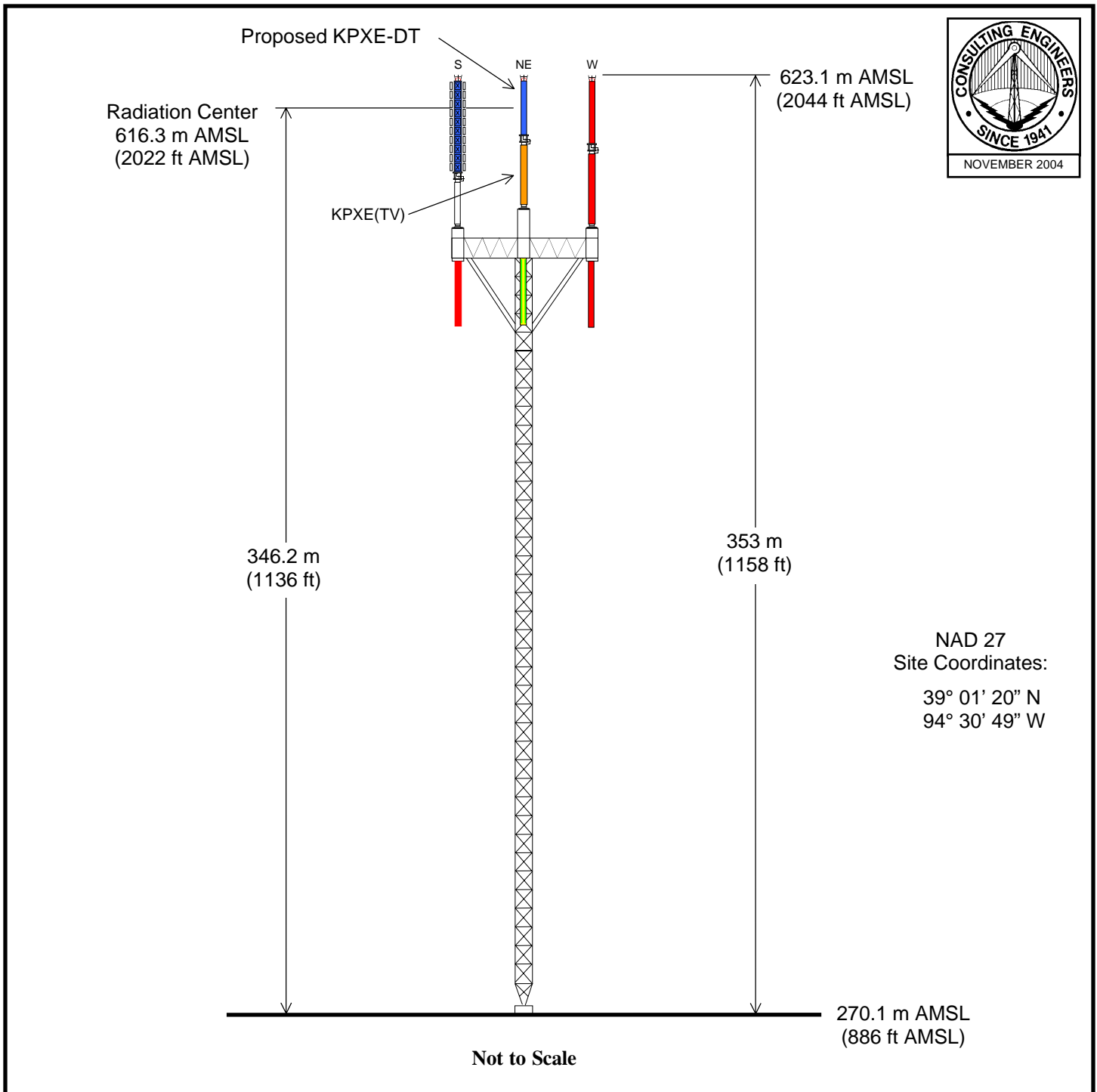


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Figure 1



Tower Reg. No. 1064715

ANTENNA AND SUPPORTING STRUCTURE

TELEVISION STATION KPXE-DT

KANSAS CITY, MISSOURI

CH 51 1000 KW 339 M

du Treil, Lundin & Rackley, Inc. Sarasota, Florida



Proposal Number	DCA-8365
Date	3-Aug-99
Call Letters	KPXE-DT
Location	Kansas City, MO
Customer	
Antenna Type	TFU-24GTH-R 04

Figure 2

ELEVATION PATTERN

RMS Gain at Main Lobe	21.50 (13.32 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	17.30 (12.38 dB)	Frequency	695.00 MHz
Calculated / Measured	Calculated	Drawing #	24G215075-90

