GREG BEST
CONSULTING, INC.
16100 Outlook Avenue
Stilwell, KS 60085
816-792-2913

October 3, 2017

Dear Sir,

The purpose of this exhibit is to explain some changes in the LPX7-C antenna installed at KSHN. The original LPX7-C antenna was supplied at the station's initial construction period in 1991. This antenna included beam tilt such that the antenna ERP at the maximum beam was 26.5 kW while the ERP at the radio horizon (elevation angle of zero degrees) was 26.0 kW. This translates to an elevation pattern field value of 0.99. Using the elevation pattern of the standard LPX7-C antenna, this amount of beam tilt is approximately 0.75 degree.

The antenna was replaced with the same model antenna in 2007 but the replacement antenna did not incorporate any beam tilt and there was no indication on the license that this modification was made.

Associated with construction permit BPH-20170511AAI, the existing LPX7-C antenna installed in 2007 was moved from its licensed location to the new location indicated on the construction permit. The construction permit indicates beam tilt was part of the antenna and in actuality it was not due to the fact the antenna had been replaced in 2007. The amount of beam tilt makes no difference in the interference potential since the interference analysis was executed using the maximum ERP.

Therefore, this license to cover application notes the fact that no beam tilt is included in the elevation pattern and the maximum ERP at the radio horizon is 26.5 kW and the new license does not indicate any reference to beam tilt.

Sincerely,

Gregory L Best, PE

President