

COMPLIANCE WITH SPECIAL OPERATING CONDITION #2  
AND CALCULATION OF TRANSMITTER POWER OUTPUT

Special Operating Condition #2: Upon completion of installation of the FM antenna on the KNSP(AM) tower, antenna impedance measurements were made which determined that the resistance of the AM antenna (59 ohms) changed by more than 2 percent from the licensed value (53 ohms). Therefore, an application for KNSP(AM) to return to direct power measurement, which included a tower sketch of the installation, has been filed with the Commission using FCC Form 302-AM as required by Condition #2. See FCC Application Reference Number 20200911ABZ.

Calculation of Transmitter Power Output (TPO): The 0.829 kW (-0.814 dBk) figure is based on consideration of total transmission system attenuation of 1.436 dB (71.8%). Given an antenna power gain of 0.42 (-3.77 dB), a TPO of 0.829 kW produces an ERP of 0.25 kW (-6.02 dBk).