

KNSI Antenna Impedance Measurements

Performed by James R Offerdahl

Offerdahl Broadcast, Inc.

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KNSI 1450 kHz, 1000 watts. Licensed to St. Cloud Minnesota

Measurements were made using a Delta OIB-3 bridge located between the output tuning coil and the feed through insulator inside the antenna tuning unit.

Measurements Recorded were:

IMPEDANCE 70Ω

REACTANCE -J185 corrected by a factor of 1.45 to -J268.25

ANTENNA BASE CURRENT 3.78 amperes. Determined by the square root of power in watts (1000) divided by impedance (70). $\sqrt{(1000 \div 70)}$

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