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Statement:

This technical statement is prepared for Lenrob Enterprises Inc., licensee of AM Station WPAX.

Technical Info:

The licensed parameters for WPAX's antenna system are:

Resistance: 54 ohms

Current: 4.303 amps

The addition of the FM antenna, coaxial cable, and isocoupler for FM translator W279BD to the WPAX transmitter tower has changed the parameters to:

Resistance: 53.91 ohms

Current: 4.307 amps

This represents a change of less than 2% from the licensed parameters.

Measurement Method:

Antenna resistance measurements were made with an Array Solutions PowerAim120 Vector Impedance Analyzer and factory supplied cables. The unit was calibrated on site prior to the measurement with the Array Systems AS-PLS-N calibration kit.

Antenna current measurements were made with installed Gates Radio Company Ammeter system. This has been calibrated against a Delta Electronics Inc. TCA-5-EXR RF Ammeter.

Summary:

Based on the Special Operation Conditions specified in the construction permit for FM Translator W279BD (File Number: BPFT-20140320ACS), since the licensed parameters of WPAX have not changed more than 2% after the install of the FM antenna, an application for direct power measurement of WPAX is not needed at this time.

-Chris Hall
Owner/Operator Reel Audio Broadcast Engineering, Inc.