

WMHZ Base Impedance Measurement

The base impedance of WMHZ (Facility ID No. 161136, Holt, AL) was measured following installation of the WRTR(FM) antenna as required in Special Operating Conditions or Restrictions #3 of the WRTR Construction Permit. The measured base resistance was 50.2Ω which confirms that the resistance of the antenna has changed by less the 2 percent from the licensed value of 50.0Ω .

As such, the licensee of WMHZ is not required to file form 302-AM to return to direction power measurement and this document is submitted as confirmation that the requirements of Condition #3 have been met.

The base impedance measurement was made by the undersigned on August 7, 2015 with an Agilent Technologies Model 4396B vector network analyzer with external directional coupler in a calibrated measurement system.

A handwritten signature in black ink, appearing to read "R. Mullinax", with a stylized flourish at the end.

Randall L. Mullinax
August 7, 2015