

## **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  $50.2\Omega$  which confirms that the resistance of the antenna has changed by less the 2 percent from the licensed value of  $50.0\Omega$ .

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.



Randall L. Mullinax  
August 7, 2015