

MONITOR POINT MEASUREMENTS
WBNR, 1260 KHz
Beacon, NY

Condition 3 of Construction Permit BNPFT-20180424ABG for W243EM requires that the directional antenna system for WBNR be measured to ensure that there is no effect from the installation of the translator antenna.

WBNR was authorized pursuant to a directional proof of performance based on field strength measurements. The permittee may, in lieu of the moment method analysis, demonstrate with measurements taken before and after construction that field strength values at the monitoring points do not exceed the licensed values. The monitor point information was obtained from WBNR license file BL-890103AD. Prior to measurements, the station operating parameters were verified to be at licensed values with the installed Potomac Instruments AM-19 antenna monitor and a Delta Electronics RF current meter measuring common point current.

Prior to the installation of the antenna for W243EM, a set of daytime and nighttime monitor point readings were made on November 12, 2019 using a Potomac Instruments FIM-41 serial number 989. Those readings are as follows:

Antenna Mode	Monitor point	Measured (mV/M)	Maximum allowed (mV/M)
DA-Night	90.5°	20.5	31.8
DA-Night	50°	3.5	3.5
DA-Night	216.5°	5.8	9.4
DA-Day	222°	12.1	15.6
DA-Day	180°	4.0	5.6

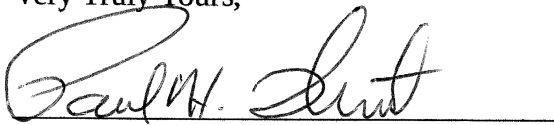
The Antenna installation for W243EM took place on November 14 and 15, 2019 in accordance with the Construction Permit noted above. A second set of monitor point readings were made on November 30, 2019 using the same instrument as before. Those readings are as follows:

Antenna Mode	Monitor Point	Measured (mV/M)	Maximum Allowed (mV/M)
DA-Night	90.5°	12.3	31.8
DA-Night	50°	2.7	3.5
DA-Night	216.5°	6.6	9.4
DA-Day	222°	13.2	15.6
DA-Day	180°	3.3	5.6

Based on the measurements made before and after construction, the monitor points for WBNR to not exceed their licensed values.

I hereby affirm that the forgoing information is true and correct and based upon my personal knowledge and experience in obtaining these measurements.

Very Truly Yours,

A handwritten signature in cursive script, reading "Paul H. Thurst", written over a horizontal line.

Paul H. Thurst
Broadcast Technical Consultant