



January 28, 2014

Steve Shultis
Chief Technology Officer
New York Public Radio
160 Varick St.
New York, NY 10013

Re: Antenna Placement for WQXW Station
Location: 17 Morningview Court, Chappaqua, NY 10514
Tax ID: 89/99.10-2-2

Dear Mr. Shultis,

This is to certify that on January 15, 2014, our survey crew worked with the crew from Mikab Corporation of Dumont, New Jersey to place a reference stake for the orientation of the WQXW antenna at the above noted site. The stake was oriented to true north based upon the plan specification of fifty degrees (50°), or N 50° E, as depicted on the following document:

"Directional Antenna System for WQXW, Ossining, New York," Dated October 10, 2013, and prepared by Tom Schaaf of Electronics Research, Inc. 7777 Gardner Rd. Chandler, IN 47610.

A Spectra Precision Epoch 25 L1/L2 GPS system (± 5 mm +0.5 ppm RMS) was used in conjunction with the Leica Smartnet North America RTK network, NYVH CORS (continuously operating reference station) to establish state plane coordinates.

Survey coordinates are based on 1983 North American Datum (NAD 83) or Grid North. True North is located 0°47" east of Grid North as per U.S. Geological Survey Ossining, NY 7½-Minute Quadrangle Map. Said Map indicated that Magnetic North is located 13° 18' west of True North. Based on the approximate Latitude and Longitude values we had for the site, we visited the U.S. Department of Commerce National Oceanic and Atmospheric Administration website, and determined a more accurate declination angle from True North to Magnetic North, that being 12°43'41" West.

Additional field equipment utilized on site included a Trimble S-6 Total Station, maximum range: 2,500 ft/8202 m (1 prism), 18,044 ft/5500 m (1 prism, Long Range mode), distance accuracy: ± 2 mm+2ppm, angular accuracy: 2" and a Suunto Compass model # KB-14/360R, accuracy: 1/3°.

If you should have any questions concerning this information, please do not hesitate to contact me. Sincerely,

Kevin S. Bogerman, P.L.S., NY License # 50475