



CIVIL ENGINEERS

LAND SURVEYORS

LAND PLANNERS

October 24, 2013

Avondale High School
2800 Waukegan Street
Auburn Hills, MI 48326

RE: Three Bay Directional Antenna
NFE Project H721

To whom it may concern:

I have measured the true azimuth, the antenna radiation center height above ground level and the differential GPS location of the three bay directional antenna located on the roof of Avondale High School at 2800 Waukegan Street in Auburn Hills, Michigan. Data was collected on the Michigan State Plane Coordinate System, NAD83 and NAVD88. Our measurements are listed as follows:

Azimuths:	Top Antenna	40 degrees 25 minutes 13 seconds
	Middle Antenna	40 degrees 11 minutes 15 seconds
	Bottom Antenna	40 degrees 59 minutes 52 seconds

Radiation Center Above Ground Level: 142.60 feet

GPS Location of Tower: Lat: N 42° 37' 41.75"
Long: W 83° 13' 55.89"

Sincerely,
Nowak & Fraus Engineers

A handwritten signature in black ink, appearing to read 'Chad Findley'.

Chad Findley, P.E., P.S.
Vice President



NOWAK & FRAUS ENGINEERS