

# EXHIBIT 10.1

## DESCRIPTION OF ANTENNA SYSTEM

### WNWI - OAK LAWN, ILLINOIS

1. The existing antenna system consists of four (4), guyed, uniform cross-section, insulated, steel towers. The towers stand 59.7 meters (77.4°) above a 0.9 meter base and insulator for an overall height of 60.6 meters (243.5 meters AMSL). The FAA does not required marking or lighting for these towers.

2. The towers are spaced 54 meters (70°) apart on a line bearing 170° True.

3. The existing ground system consists of 120 radials, equally spaced about the tower of #10 AWG copper wire, 69.4 meters in length excepting where shortened at the four inch copper transverse strap running midway between the towers and at property boundaries. A four inch copper strap runs from tower base to tower base and then to the common ground buss in the transmitter building.

3. For the 0.650 kW portion on the proposed nighttime operation, the theoretical RMS will be 231.39 mV/m at one kilometer. The standard pattern RMS will be 243.78 mV/m at one kilometer. The theoretical RSS will be 761.23 mV/m at one kilometer. For the 2.6 kW portion of the proposed nighttime operation, the theoretical RMS will be 462.77 mV/m at one kilometer. The standard pattern RMS will be 487.55 mV/m at one kilometer. The theoretical RSS is will be 1,522.45 mV/m at one kilometer.

4. Proposed Fields and Phases:

PROPOSED WNWI THEORETICAL PARAMETERS				
TOWER	FIELD	PHASE	SPACING	ORIENTATION
1 (N)	0.388	-155.0°	0.0°	0.0°
2 (NC)	1.000	0.0°	70.0°*	170.0°*
3(SC)	0.943	154.5°	70.0°*	170.0°*
4(S)	0.326	-51.0°	70.0°*	170.0°*
* referenced to preceding tower.				

5. The phasing and coupling equipment will be designed to minimize system losses. Switching networks will be provided for the daytime non-directional operation, with detuning circuits in the unused towers.