

**REFERENCE COPY**

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



**Federal Communications Commission**  
Wireless Telecommunications Bureau

**RADIO STATION AUTHORIZATION**

LICENSEE: UNION PACIFIC RAILROAD

ATTN: BRAD G. ZIELIE  
UNION PACIFIC RAILROAD  
1400 DOUGLAS ST. STOP 0650  
OMAHA, NE 68135

<b>Call Sign</b> WNTH863	
<b>File Number</b>	
<b>Radio Service</b> MG - Microwave Industrial/Business Pool	
<b>SMSA</b>	<b>Station Class</b> FXO

FCC Registration Number (FRN): 0001539048

<b>Grant Date</b> 12-04-2007	<b>Effective Date</b> 04-05-2011	<b>Expiration Date</b> 02-16-2018	<b>Print Date</b>
---------------------------------	-------------------------------------	--------------------------------------	-------------------

**LOCATION**

**Fixed Location Address or Area of Operation:**

1.4 MILES E OF COUNTY RD 1100N AND HWY 30  
City: PHILO County: CHAMPAIGN State: IL

Loc No.	Location Name	Latitude	Longitude	Elevation	Antenna Structure Registration No.
001	PHILO	40-02-49.1 N	088-08-03.1 W	207.3	1025691
002	VILLA GROVE	39-51-38.1 N	088-09-43.1 W	198.4	
003	ELLIS	40-21-13.1 N	087-53-06.1 W	229.5	

**FREQUENCY PATHS**

Frequency (MHz)	Tol (%)	Emission Desig	EIRP (dBm)	Constr Date	Path No	Seg	Emit Loc No	Ant Hgt (m)	Gain (dBi)	Beam (deg)	POL	AZIM (deg)	Rec Loc No	Rec Call Sign
6053.92	0.00100	10M0D7W	63.100		001	1	001	45.7	38.7	1.8	V	186.6	002	WNTI685
954.1	0.00010	100KD7W	48.100		002	1	001	76.2	22.1	12.5	V	31.8	003	WNTH861

**Waivers/Conditions:**

NONE

**Conditions:**

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.