

REFERENCE COPY

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**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: ESP WIRELESS TECHNOLOGY GROUP, INC.

ATTN: MICHAEL M. SMITH
ESP WIRELESS TECHNOLOGY GROUP, INC.
27475 FERRY ROAD
WARRENVILLE, IL 60555

Call Sign WIM418	File Number
Radio Service IG - Industrial/Business Pool, Conventional	
Regulatory Status PMRS	
Frequency Coordination Number	

FCC Registration Number (FRN): 0008725681

Grant Date 03-26-2011	Effective Date 03-26-2011	Expiration Date 06-11-2021	Print Date
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 4** **Address:** 19500 S MANNHEIM RD
 City: MOKENA **County:** WILL **State:** IL
 Lat (NAD83): 41-32-11.1 N **Long (NAD83):** 087-51-17.2 W **ASR No.:** **Ground Elev:** 216.0
- Loc. 5** **Area of operation**
 Operating within a 48.0 km radius around fixed location 4
- Loc. 6** **Area of operation**
 Operating within a 48.0 km radius around fixed location 4

Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp (meters)	Ant. AAT (meters)	Construct Deadline
4	1	000471.78750000	FB6	1		11K2F1D 11K2F2D 11K2F3E 15K0F2D 20K0F1D 20K0F3E	100.000	250.000	151.0	152.0	

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.

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Antennas

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
5	1	000474.78750000	FX1T	15		11K2F1D 11K2F2D 11K2F3E 15K0F2D 20K0F1D 20K0F3E	50.000	50.000			
6	1	000471.78750000	MO	41		11K2F1D 11K2F2D 11K2F3E 15K0F2D 20K0F1D 20K0F3E	50.000	50.000			
6	1	000474.78750000	MO	41		11K2F1D 11K2F2D 11K2F3E 15K0F2D 20K0F1D 20K0F3E	50.000	50.000			

Control Points

Control Pt. No. 1

Address: 8330 South Madison Street, Ste 15

City: Burr Ridge **County:** DUPAGE **State:** IL **Telephone Number:** (708)485-8930

Associated Call Signs

<NA>

Waivers/Conditions:

Beginning January 1, 2013, this station must operate on channels with a bandwidth of 12.5 kHz or less, or with equivalent efficiency, regardless of the emission bandwidths set forth on this license. See Section 90.209(b)(5) of the Commission's Rules. Note, however, that the narrowbanding requirement does not apply to specific channels designated in Rule 90.20 or 90.35 for paging only.

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Antenna structures for land, base and fixed stations authorized for operation at temporary unspecified locations may be erected without specific prior approval of the Commission where such antenna structures do not exceed a height of 60.96 meters (200 feet) above ground level; provided that the overall height of such antennas more than 6.10 meters (20 feet) above ground, including their supporting structures (whether natural formation or man-made), do not exceed any of the slope ratios set forth in Section 17.7(b). Any antenna to be erected in excess of the foregoing limitations requires prior Commission approval. Licensees seeking such approval should file application for modification of license. In addition, notification to the Federal Aviation Administration is required whenever the antenna will exceed 60.96 meters (200 feet) above the ground and whenever notification is otherwise required by Section 17.7 of the Commission's Rules. Such notification should be given by filing FAA Form 7460-1, Notice of Proposed Construction or Alteration, in duplicate, with the nearest office of the Federal Aviation Administration, which form is available from that office.