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**Federal Communications Commission
Wireless Telecommunications Bureau**

RADIO STATION AUTHORIZATION

LICENSEE: MS AIRWAVES, INC.

ATTN: MARC SOBEL
MS AIRWAVES, INC.
P. O BOX 403
BASS LAKE, CA 93604

Call Sign WIK657	File Number 0008662440
Radio Service IK - Industrial/Business Pool - Commercial, Conventional	
Regulatory Status CMRS	
Frequency Coordination Number	

FCC Registration Number (FRN): 0006622633

Grant Date 01-20-2021	Effective Date 01-20-2021	Expiration Date 07-21-2029	Print Date 01-20-2021
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 1 Address:** SIERRA PEAK
City: CORONA **County:** RIVERSIDE **State:** CA
Lat (NAD83): 33-50-58.1 N **Long (NAD83):** 117-39-17.2 W **ASR No.:** **Ground Elev:** 928.0
- Loc. 2 Address:** VERDUGO PEAK
City: GLENDALE **County:** LOS ANGELES **State:** CA
Lat (NAD83): 34-13-09.0 N **Long (NAD83):** 118-17-10.3 W **ASR No.:** **Ground Elev:** 919.0
- Loc. 3 Address:** 3900 W CREST RD
City: RANCHO PALOS VERDES **County:** LOS ANGELES **State:** CA
Lat (NAD83): 33-44-50.1 N **Long (NAD83):** 118-20-10.3 W **ASR No.:** **Ground Elev:** 445.0
- Loc. 4 Address:** SADDLE PARK RD
City: CALABASAS **County:** LOS ANGELES **State:** CA
Lat (NAD83): 34-04-59.0 N **Long (NAD83):** 118-28-28.3 W **ASR No.:** **Ground Elev:** 785.0
- Loc. 5 Address:** HAUSER PEAK
City: ACTON **County:** LOS ANGELES **State:** CA
Lat (NAD83): 34-32-50.0 N **Long (NAD83):** 118-12-46.3 W **ASR No.:** **Ground Elev:** 1554.0
- Loc. 6 Address:** TUNNEL 7TH ST & FLOWER ST
City: LOS ANGELES **County:** LOS ANGELES **State:** CA
Lat (NAD83): 34-02-56.0 N **Long (NAD83):** 118-15-32.3 W **ASR No.:** **Ground Elev:** 88.0

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.

Licensee Name: MS AIRWAVES, INC.

Call Sign: WIK657

File Number: 0008662440

Print Date: 01-20-2021

Fixed Location Address or Mobile Area of Operation

Loc. 7 Area of operation

Other:34-03-15N 118-14-28W LOS ANGELES CA

Location 7 Special Condition

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.

Loc. 8 Area of operation

Operating within a 48.0 km radius around fixed location 1

Loc. 9 Area of operation

Operating within a 48.0 km radius around fixed location 1

Location 9 Special Condition

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.

Loc. 10 Area of operation

Operating within a 48.0 km radius around fixed location 2

Loc. 11 Area of operation

Operating within a 48.0 km radius around fixed location 2

Location 11 Special Condition

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

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Call Sign: WIK657

File Number: 0008662440

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Fixed Location Address or Mobile Area of Operation

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.

Loc. Area of operation

12 Operating within a 48.0 km radius around fixed location 3

Loc. Area of operation

13 Operating within a 48.0 km radius around fixed location 3

Location 13 Special Condition

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.

Loc. Area of operation

14 Operating within a 48.0 km radius around fixed location 4

Loc. Area of operation

15 Operating within a 48.0 km radius around fixed location 4

Location 15 Special Condition

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.

Loc. Area of operation

16 Operating within a 48.0 km radius around fixed location 5

Licensee Name: MS AIRWAVES, INC.

Call Sign: WIK657

File Number: 0008662440

Print Date: 01-20-2021

Fixed Location Address or Mobile Area of Operation

Loc. Area of operation

17 Operating within a 48.0 km radius around fixed location 5

Location 17 Special Condition

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.

Loc. Area of operation

18 Operating within a 48.0 km radius around fixed location 6

Loc. Area of operation

19 Operating within a 48.0 km radius around fixed location 6

Location 19 Special Condition

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.

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 meter	Construct Deadline Date
1	1	000472.48750000	FB6C	1		16K0F1D 16K0F3E	100.000	1000.000	36.0	598.0	
2	1	000472.48750000	FB6C	1		16K0F1D 16K0F3E	100.000	1000.000	36.0	485.0	
3	1	000472.48750000	FB6C	1		16K0F1D 16K0F3E	100.000	1000.000	20.0	441.0	

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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 meter	Construct Deadline Date
4	1	000472.48750000	FB6C	1		16K0F1D 16K0F3E	100.000	1000.000	36.0	635.0	
5	1	000472.48750000	FB6C	1		16K0F1D 16K0F3E	100.000	1000.000	24.0	638.0	
6	1	000472.48750000	FB6C	1		16K0F1D 16K0F3E	125.000	1.500	6.0	-16.0	
7	1	000472.48750000	FB6J	3		16K0F1D 16K0F3E	100.000	1000.000			
8	1	000475.48750000	MO	2200		16K0F1D 16K0F3E	60.000	200.000			04-18-2003
8	1	000472.48750000	MO	2200		16K0F1D 16K0F3E	60.000	200.000			04-18-2003
9	1	000475.48750000	FX1T	20		16K0F1D 16K0F3E	60.000	200.000			
10	1	000472.48750000	MO	2200		16K0F1D 16K0F3E	60.000	200.000			04-18-2003
10	1	000475.48750000	MO	2200		16K0F1D 16K0F3E	60.000	200.000			04-18-2003
11	1	000475.48750000	FX1T	20		16K0F1D 16K0F3E	60.000	200.000			
12	1	000472.48750000	MO	2200		16K0F1D 16K0F3E	60.000	200.000			04-18-2003
12	1	000475.48750000	MO	2200		16K0F1D 16K0F3E	60.000	200.000			04-18-2003
13	1	000475.48750000	FX1T	20		16K0F1D 16K0F3E	60.000	200.000			
14	1	000472.48750000	MO	2200		16K0F1D 16K0F3E	60.000	200.000			04-18-2003
14	1	000475.48750000	MO	2200		16K0F1D 16K0F3E	60.000	200.000			04-18-2003

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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 meter s	Construct Deadline Date
15	1	000475.48750000	FX1T	20		16K0F1D 16K0F3E	60.000	200.000			
16	1	000472.48750000	MO	2200		16K0F1D 16K0F3E	60.000	200.000			04-18-2003
16	1	000475.48750000	MO	2200		16K0F1D 16K0F3E	60.000	200.000			04-18-2003
17	1	000475.48750000	FX1T	20		16K0F1D 16K0F3E	60.000	200.000			
18	1	000472.48750000	MO	2200		16K0F1D 16K0F3E	60.000	200.000			04-18-2003
18	1	000475.48750000	MO	2200		16K0F1D 16K0F3E	60.000	200.000			04-18-2003
19	1	000475.48750000	FX1T	20		16K0F1D 16K0F3E	60.000	200.000			

Control Points

Control Pt. No. 2

Address: 47527 Miami Highlands Dr.

City: OAKHURST County: MADERA State: CA Telephone Number: (559)658-5611

Associated Call Signs

Waivers/Conditions:

This consent is contingent on the outcome of the Commission's proceedings in WT Docket No. 97-56 and any court appeals.