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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NATIONAL SCIENCE AND TECHNOLOGY NETWORK, INC.

ATTN: TED S. HENRY
NATIONAL SCIENCE AND TECHNOLOGY NETWORK, INC.
2050 S. BUNDY DRIVE, SUITE 285
LOS ANGELES, CA 90025

Table with 2 columns: Call Sign (WPMM916), File Number (0005859133), Radio Service (YG - Industrial/Business Pool, Trunked), Regulatory Status (PMRS), Frequency Coordination Number.

FCC Registration Number (FRN): 0006613392

Table with 4 columns: Grant Date (07-17-2013), Effective Date (07-17-2013), Expiration Date (09-24-2023), Print Date (07-17-2013).

STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

- Loc. 1 Address: SIERRA PEAK, City: CORONA, County: ORANGE, State: CA, Lat (NAD83): 33-51-00.1 N, Long (NAD83): 117-39-08.2 W, ASR No.: N/A, Ground Elev: 921.0
Loc. 2 Address: SUNSET RIDGE, City: CLARMONT, County: LOS ANGELES, State: CA, Lat (NAD83): 34-11-11.0 N, Long (NAD83): 117-42-51.2 W, ASR No.: N/A, Ground Elev: 1603.0
Loc. 3 Address: SANTA MONICA MOUNTAINS, City: MONTE NIDO, County: LOS ANGELES, State: CA, Lat (NAD83): 34-04-59.0 N, Long (NAD83): 118-38-28.3 W, ASR No.: N/A, Ground Elev: 785.0
Loc. 4 Address: MOUNT LUKENS, City: LA CRESCENTA, County: LOS ANGELES, State: CA, Lat (NAD83): 34-16-08.0 N, Long (NAD83): 118-14-20.3 W, ASR No.: N/A, Ground Elev: 1545.0
Loc. 5 Address: SAN RAFAEL HILLS, City: GLENDALE, County: LOS ANGELES, State: CA, Lat (NAD83): 34-09-35.0 N, Long (NAD83): 118-11-06.3 W, ASR No.: N/A, Ground Elev: 488.0
Loc. 6 Area of operation, Operating within a 48.0 km radius around fixed location 1
Loc. 7 Area of operation, Operating within a 48.0 km radius around fixed location 1

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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Fixed Location Address or Mobile Area of Operation

- Loc. 8 Area of operation**
Operating within a 48.0 km radius around fixed location 2
- Loc. 9 Area of operation**
Operating within a 48.0 km radius around fixed location 2
- Loc. 10 Area of operation**
Operating within a 48.0 km radius around fixed location 3
- Loc. 11 Area of operation**
Operating within a 48.0 km radius around fixed location 3
- Loc. 12 Area of operation**
Operating within a 48.0 km radius around fixed location 4
- Loc. 13 Area of operation**
Operating within a 48.0 km radius around fixed location 4
- Loc. 14 Area of operation**
Operating within a 48.0 km radius around fixed location 5
- Loc. 15 Area of operation**
Operating within a 48.0 km radius around fixed location 5

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	000471.22500000	FB8	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000	30.0	586.0	
1	1	000471.52500000	FB8	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000	30.0	586.0	
1	1	000471.77500000	FB8	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000	30.0	586.0	
1	1	000472.97500000	FB8	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000	30.0	586.0	
2	1	000471.52500000	FB8	1		11K3F1D 11K3F2D 11K3F3E	92.000	1000.000	15.0	710.0	
2	1	000471.77500000	FB8	1		11K3F1D 11K3F2D 11K3F3E	92.000	1000.000	15.0	710.0	

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3	1	000471.22500000	FB8	1		11K3F1D 11K3F2D 11K3F3E	100.000	500.000	12.0	s579.0	
4	1	000472.32500000	FB8	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000	30.0	771.0	
4	1	000472.50000000	FB8	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000	30.0	771.0	
5	1	000471.52500000	FB8	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000	37.0	144.0	
5	1	000471.22500000	FB8	1		11K2F1D 11K2F2D 11K2F3E	100.000	1000.000	37.0	144.0	08-06-2009
5	1	000471.77500000	FB8	1		11K2F1D 11K2F2D 11K2F3E	100.000	1000.000	37.0	144.0	08-06-2009
5	1	000472.50000000	FB8	1		11K2F1D 11K2F2D 11K2F3E	100.000	1000.000	37.0	144.0	08-06-2009
5	1	000472.32500000	FB8	1		11K2F1D 11K2F2D 11K2F3E	100.000	1000.000	37.0	144.0	08-06-2009
5	1	000472.88750000	FB8	1		11K2F1D 11K2F2D 11K2F3E	100.000	1000.000	37.0	144.0	08-06-2009
5	1	000472.97500000	FB8	1		11K2F1D 11K2F2D 11K2F3E	100.000	1000.000	37.0	144.0	08-06-2009
6	1	000471.22500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			

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6	1	000471.52500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000		s	
6	1	000471.77500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
6	1	000472.97500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
6	1	000474.22500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
6	1	000474.52500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
6	1	000474.77500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
6	1	000475.97500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
7	1	000471.22500000	FB6T	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000			
7	1	000471.52500000	FB6T	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000			
7	1	000471.77500000	FB6T	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000			
7	1	000472.97500000	FB6T	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000			

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7	1	000474.22500000	FX1T	500		11K3F1D 11K3F2D 11K3F3E	60.000	200.000		s	
7	1	000474.52500000	FX1T	500		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
7	1	000474.77500000	FX1T	500		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
7	1	000475.97500000	FX1T	500		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
8	1	000471.52500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
8	1	000471.77500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
8	1	000474.52500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
8	1	000474.77500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
9	1	000471.52500000	FB6T	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000			
9	1	000471.77500000	FB6T	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000			
9	1	000474.52500000	FX1T	500		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			

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9	1	000474.77500000	FX1T	500		11K3F1D 11K3F2D 11K3F3E	60.000	200.000		s	
10	1	000471.22500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
10	1	000474.22500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
11	1	000471.22500000	FB6T	1		11K3F1D 11K3F2D 11K3F3E	100.000	500.000			
11	1	000474.22500000	FX1T	500		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
12	1	000472.32500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
12	1	000472.50000000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
12	1	000475.32500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
12	1	000475.50000000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
13	1	000472.32500000	FB6T	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000			
13	1	000472.50000000	FB6T	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000			

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13	1	000475.32500000	FX1T	500		11K3F1D 11K3F2D 11K3F3E	60.000	200.000		s	
13	1	000475.50000000	FX1T	500		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
14	1	000471.52500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
14	1	000474.52500000	MO	5000		11K3F1D 11K3F2D 11K3F3E	60.000	200.000			
14	1	000474.22500000	MO8	5000		11K2F1D 11K2F2D 11K2F3E	60.000	200.000			08-06-2009
14	1	000474.77500000	MO8	5000		11K2F1D 11K2F2D 11K2F3E	60.000	200.000			08-06-2009
14	1	000475.50000000	MO8	5000		11K2F1D 11K2F2D 11K2F3E	60.000	200.000			08-06-2009
14	1	000475.32500000	MO8	5000		11K2F1D 11K2F2D 11K2F3E	60.000	200.000			08-06-2009
14	1	000475.88750000	MO8	5000		11K2F1D 11K2F2D 11K2F3E	60.000	200.000			08-06-2009
14	1	000475.97500000	MO8	5000		11K2F1D 11K2F2D 11K2F3E	60.000	200.000			08-06-2009
15	1	000471.52500000	FB6T	1		11K3F1D 11K3F2D 11K3F3E	100.000	1000.000			

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15	1	000474.52500000	FX1T	500		11K3F1D 11K3F2D 11K3F3E	60.000	200.000		s	
15	1	000471.22500000	FB6T	1		11K2F1D 11K2F2D 11K2F3E	100.000	1000.000			
15	1	000471.77500000	FB6T	1		11K2F1D 11K2F2D 11K2F3E	100.000	1000.000			
15	1	000472.50000000	FB6T	1		11K2F1D 11K2F2D 11K2F3E	100.000	1000.000			
15	1	000472.32500000	FB6T	1		11K2F1D 11K2F2D 11K2F3E	100.000	1000.000			
15	1	000472.88750000	FB6T	1		11K2F1D 11K2F2D 11K2F3E	100.000	1000.000			
15	1	000472.97500000	FB6T	1		11K2F1D 11K2F2D 11K2F3E	100.000	1000.000			
15	1	000474.22500000	FX1T	500		11K2F1D 11K2F2D 11K2F3E	60.000	200.000			
15	1	000474.77500000	FX1T	500		11K2F1D 11K2F2D 11K2F3E	60.000	200.000			
15	1	000475.50000000	FX1T	500		11K2F1D 11K2F2D 11K2F3E	60.000	200.000			
15	1	000475.32500000	FX1T	500		11K2F1D 11K2F2D 11K2F3E	60.000	200.000			

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15	1	000475.88750000	FX1T	500		11K2F1D 11K2F2D 11K2F3E	60.000	200.000		s	
15	1	000475.97500000	FX1T	500		11K2F1D 11K2F2D 11K2F3E	60.000	200.000			

Control Points

Control Pt. No. 1

Address: 2050 S. BUNDY DRIVE SUITE 285

City: LOS ANGELES County: LOS ANGELES State: CA Telephone Number: (310)820-1234

Associated Call Signs

Waivers/Conditions:

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.

Per Rule 90.305(a) temporary base station shall be located not more than 80 kilometers (50 miles) from the geographic center of the urbanized area listed in Rule 90.303.

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.