



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

 IHM LICENSES, LLC
 7136 S. YALE AVENUE
 SUITE 501
 TULSA OK 74136

 Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 22883

Grant Date: August 23, 2004

Call Sign: KSTE

This license expires 3:00 a.m.
 local time, December 01, 2005.

License File Number: BL-20040507ABN

This license covers Construction Permit No. BP-20040507ABI

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
 Local Standard Time (Non-Advanced)

Jan.	7:15 AM	5:15 PM	Jul.	4:45 AM	7:30 PM
Feb.	7:00 AM	5:45 PM	Aug.	5:15 AM	7:00 PM
Mar.	6:15 AM	6:15 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:45 PM	Oct.	6:15 AM	5:30 PM
May	5:00 AM	7:15 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:45 AM	7:30 PM	Dec.	7:15 AM	4:45 PM

Callsign: KSTE

License No.: BL-20040507ABN

Name of Licensee: IHM LICENSES, LLC

Station Location: RANCHO CORDOVA, CA

Frequency (kHz): 650

Station Class: B

Antenna Coordinates:

Day

Latitude: N 38 Deg 28 Min 47 Sec

Longitude: W 121 Deg 16 Min 38 Sec

Night

Latitude: N 38 Deg 28 Min 47 Sec

Longitude: W 121 Deg 16 Min 38 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 21.4 Night: 0.92

Antenna Input Power (kW): Day: 22.5 Night: 0.994

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 21.2 Night: 4.46

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1062013	
2	1062014	

Night:

Tower No.	ASRN	Overall Height (m)
1	1062012	
2	1062013	
3	1062014	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 1447.03 Night: 320.48

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 1540.44 Night: 338.87

Q Factor: Day: 46.26 Night: 11.06

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	TL/S
2	0.7000	111.700	85.1000	133.300	0	TL/S

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
1	79.2	11.20	.00	.00
2	79.2	11.20	.00	.00

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	0.0	40.0	2267.00
2	133.0	15.0	537.00
3	313.0	40.0	2359.00

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.2300	-157.900	101.9000	338.300	0	TL/S
2	1.6000	0.000	0.0000	0.000	0	TL/S
3	0.6200	131.000	85.1000	133.300	0	TL/S

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
1	79.2	11.20	.00	.00

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
2	79.2	11.20	.00	.00
3	79.2	11.20	.00	.00

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	30.0	20.0	326.00
2	55.0	20.0	141.00
3	267.0	15.0	269.00
4	313.0	15.0	604.00
5	330.0	10.0	623.00

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
2	0	1
3	15.5	0.735

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	86	0.687
2	0	1
3	31.5	0.415

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
96.5	2.11	181
170	2.95	126

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
84	2.7	18.7
170	2.95	104.9
245.5	2.25	41.5

Special operating conditions or restrictions:

- 1 The permittee/licensee must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

- 2 The center tower supports two UHF antennas: an STL receive antenna and TRL transmit antenna.

- 3 Location of Monitoring Points:

Direction of 84 degrees true North. From the starting point on Eagles Nest Road at Grant Line Road, proceed northeast (left) on Grant Line Road 0.8 mile, to the house marker #7619, on the right side of the road. Enter the area 50 feet south of Grant Line Road opposite a drainage culvert on the road. This area is the monitoring point.

Direction of 96.5 degrees true North. From the starting point on Eagles next Road at Grant Line Road, proceed northeast (left) on Grant Line Road 0.33 mile. The monitor point is 100 feet northwest on the entry point, which is identified by a large orange-colored square on the northern shoulder of the roadway. The location is further identified by an orange stripe painted on a power pole on the right (southern) side of Grant Line Road, with the initials JP on the pole. The pole is 100 feet southeast of the entry to the monitoring point, which is located in an unobstructed pasture.

Special operating conditions or restrictions:

- 4 Direction of 170 degrees true North. From the starting point on Eagles Nest Road at Grant Line Road proceed southwesterly (right) 1.55 miles to the entrance to a group of farm buildings on a vineyard. Drive in a southeasterly direction through the drive between the buildings, then proceed along the edge of the vineyard to the monitoring point.

Direction of 245.5 degrees true North. From the intersection of Eagles Nest Road and Grant Line Road proceed in the southwesterly (right) direction along Grant Line Road 1.77 miles to the intersection of Calvine Road. Turn right (west) and proceed 1.12 miles to the intersection of Excelsior road then turn right again (north) and proceed 1.25 mile , to the intersection of Spiva road. From this point, proceed to the west (left) 0.19 mile, to a drive to a house on the north, #10433. The monitoring point is on this driveway 100 feet north of Spiva Road.

- 5 Ground System:

Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower 115.3 m in length except where intersecting radials are shortened and bonded, 120 - 22.9 m radials interspaced with long radials.

*** END OF AUTHORIZATION ***