



United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

BROADCASTING MANAGEMENT SERVICES, INC  
19939 GATLING COURT  
KATY TX 77449

Son Nguyen  
Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 43995

Call Sign: KCAA

License File Number: BL-20070405ACN

Grant Date: **JUL 26 2007**  
This license expires 3:00 a.m.  
local time, December 01, 2013.

This license covers permit no.: BP-20060223ABL

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: Daytime with Secondary nighttime

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

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

Callsign: KCAA

License No.: BL-20070405ACN

Name of Licensee: BROADCASTING MANAGEMENT SERVICES, INC

Station Location: LOMA LINDA, CA

Frequency (kHz): 1050

Station Class: D

Antenna Coordinates:

Day

Latitude: N 33 Deg 59 Min 22 Sec

Longitude: W 117 Deg 11 Min 10 Sec

Night

Latitude: N 33 Deg 59 Min 22 Sec

Longitude: W 117 Deg 11 Min 10 Sec

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

Nominal Power (kW): Day: 1.4 Night: 0.035

Antenna Input Power (kW): Day: 1.51 Night: 0.038

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 5.5 Night: 0.87

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1214463	
2	1214464	

Night:

Tower No.	ASRN	Overall Height (m)
1	1214463	
2	1214464	

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 380.2 Night: 58.53

Standard RMS (mV/m/km): Night: 62.34

Augmented RMS (mV/m/km): Day: 399.75

Q Factor: Day: Night:

## 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	76.4
2	0.7000	183.000	90.0000	83.000	0	76.4

## \* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

## Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	351.1	10.0	188.80

## Theoretical Parameters:

## Night 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	76.4
2	0.9700	130.600	90.0000	83.000	0	76.4

## \* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

## Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	161	0.75

## Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	121	0.875

Antenna Monitor: GORMAN-REDLICH MODEL CMR

Sampling System Approved Under Section 73.68(b) of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
174.9	7.25	8.1
263	3.05	46
351.1	6.51	19.1

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
26.5	3.29	2.39
139.5	9.21	0.86

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 This application is being granted prior to the completion of the International Telecommunications Union (ITU) registration process. Therefore, any construction of and operation with the facilities specified herein is at applicant's own risk and subject to modification, suspension or termination without right to hearing, if found by the Commission to be necessary in order to conform to the provisions of the registration process of the ITU, and to bilateral and other multilateral agreements between the United States and other countries. (Condition for daytime facility from BL-20030523AIL.)
- 3 MONITOR POINT Locations:  
Day:  
  
174.9° - From the intersection of Redlands Boulevard and Cottonwood Avenue, proceed west 2.09 km to point, on south edge of Cottonwood in the lowest part of the ditch, 60 feet from Bethany and Cottonwood signpost.  
  
263° - From the intersection of Barton Road and Reche Canyon Road, proceed south on Reche Canyon 10.5 km to point, located on west edge of road, 4 feet from tree stump, inline with 1.5 inch PVC pipe markers on either side of road.  
  
351.1° - Point located in the center of sidewalk on east side of street directly behind #23 painted on the curb at 23 San Mateo Street.



## Special operating conditions or restrictions:

## 4 Night:

Direction of 26.5° true North. From the KCAA transmitter, proceed to San Timoteo Road at the edge of the transmitter grounds. Turn left on San Timoteo Road. Proceed 0.4 miles to Allesandro Road. Turn right (NE) on Allesandro Road for 0.3 miles to Creekside Drive. Turn right (SE) on Creekside Drive and proceed for 0.3 miles to Canyon View Lane. Turn left onto Canyon View Lane (NE) 0.2 miles to Horse Trail Drive. Drive 0.1 mile to Mesa View Drive. Go right on Mesa View for 0.1 mile to Saugus Court. Monitor point is 50 feet northeast of Mesa View Drive on northwest curb at curb marker.

Direction of 139.5° true North. From the KCAA transmitter, proceed to San Timoteo Road at the edge of the transmitter grounds. Turn right onto San Timoteo Road. Proceed 1.8 miles to Redlands Blvd. Turn right on Redlands Blvd for 3.9 miles to Freeway 60. Go East on 60 for 1.7 miles to Gilman Springs Road. Proceed 0.9 miles on Gilman Springs Road to Virginia Street. Monitor point is south 0.1 miles (500 feet) on Virginia Street in center of road.

- 5 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 71.4 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.

\*\*\* END OF AUTHORIZATION \*\*\*