



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

CARON BROADCASTING, INC.
 SUITE 300
 4880 SANTA ROSA ROAD
 CAMARILLO CA 93012

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 58808

Call Sign: KTIE

License File Number: BL-20070321AEG

Grant Date: August 10, 2007

This license expires 3:00 a.m.
 local time, December 01, 2013.

License to cover BP-20040109ADE to change patterns.

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.	7:00 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: KTIE

License No.: BL-20070321AEG

Name of Licensee: CARON BROADCASTING, INC.

Station Location: SAN BERNARDINO, CA

Frequency (kHz): 590

Station Class: B

Antenna Coordinates:

Day

Latitude: N 34 Deg 04 Min 20 Sec

Longitude: W 117 Deg 17 Min 52 Sec

Night

Latitude: N 34 Deg 04 Min 20 Sec

Longitude: W 117 Deg 17 Min 52 Sec

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

Nominal Power (kW): Day: 2.5 Night: 0.96

Antenna Input Power (kW): Day: 2.7 Night: 1.04

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 7.35 Night: 4.55

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1045139	
2	1045140	
3	1045141	

Night:

Tower No.	ASRN	Overall Height (m)
1	1045139	
2	1045140	
3	1045141	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 493.78 Night: 296.26

Standard RMS (mV/m/km): Day: 518.81 Night: 311.32

Augmented RMS (mV/m/km):

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	65.2
2	1.1620	-138.700	90.0000	20.000	0	65.2
3	0.5110	75.300	180.0000	20.000	0	65.2

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

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	65.2
2	0.7020	157.000	90.0000	20.000	0	65.2
3	0.4090	-48.800	180.0000	20.000	0	65.2

* 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	145.8	0.502
2	0	1
3	-142.5	0.891

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-126.8	0.67
2	0	1
3	-174	0.7

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 (204)

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

1 MONITOR POINT DESCRIPTIONS

117° - Point located on sidewalk at northwest corner of intersection of Bryn Mawr Avenue and Lawton Avenue in Loma Linda, CA, 6.60 km from site, max 19.1 mV/m daytime.

162.5° - Point located on sidewalk at southwest side of Cahuilla Street, opposite the small gate house to 2255 Cahuilla Street in Colton, CA, 3.04 km from site, max 31.2 mV/m daytime.

237.5° - Point located in line with west side of 10th Street, 30 meters south of center of O Street, on sidewalk in the park in Colton, CA, 2.64 km from site, max 27.8 mV/m daytime.

283° - Point located in the center of Tejon Avenue, opposite 1210 Tejon Avenue in Colton, CA, 3.56 km from site, max 32.6 mV/m daytime.

51.5° - Point located on sidewalk at west side of Waterman Avenue, 37 meters south of Central Avenue in San Bernardino, CA, 2.36 km from site, max 78.6 mV/m nighttime.

128.5° - Point located on sidewalk at northeast corner of intersection of Huron Street and Cedar Way in Loma Linda, CA, 5.45 km from site, max 27.9 mV/m nighttime.

271.5° - Point located in center of turning area at east end of Carole Court in Colton, CA, 3.07 km from site, max 48.8 mV/m nighttime.

348.5° - Point located at north side of Third Street, 23 meters west of Kendall Avenue in San Bernardino, CA, 3.68 km from site, max 55.9 mV/m nighttime.

*** END OF AUTHORIZATION ***