



United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

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

Son Nguyen

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 34975

Call Sign: KLUP

License File Number: BMML-20180419ADK

Grant Date: **NOV - 6 2018**

This license expires 3:00 a.m.  
local time, August 01, 2021.

This license covers Permit No.: BL-20130705ABA

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

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Name of Licensee: CARON BROADCASTING, INC.

Station Location: TERRELL HILLS, TX

Frequency (kHz): 930

Station Class: B

Antenna Coordinates:

Day

Latitude: N 29 Deg 31 Min 09 Sec

Longitude: W 98 Deg 24 Min 13 Sec

Night

Latitude: N 29 Deg 31 Min 07 Sec

Longitude: W 98 Deg 24 Min 13 Sec

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

Nominal Power (kW): Day: 5.0 Night: 1.0

Antenna Input Power (kW): Day: 5.0 Night: 1.08

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 10.43 Night: 4.65

Resistance (ohms): Day: 46 Night: 50

Non-Directional Antenna: Day

Radiator Height: 68.1 meters;

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

Tower No.	A	B
1	76.2	15.10

Theoretical Efficiency: 297.73 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1051211	

Night:

Tower No.	ASRN	Overall Height (m)
1	1051210	
2	1051211	

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DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 315.43

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Night: 340.48

Q Factor: Night:

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	TL/S
2	0.9000	80.000	100.0000	10.000	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	76.2	15.10	.00	.00
2	76.2	15.10	.00	.00

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	22.5	25.0	28.97
2	35.0	15.0	46.67
3	42.5	15.0	70.81
4	67.5	15.0	185.07
5	75.0	15.0	222.62
6	97.5	45.0	349.53
7	180.0	20.0	505.33
8	190.0	20.0	506.94
9	200.0	20.0	503.72
10	260.0	10.0	436.82
11	265.0	10.0	420.02
12	270.0	10.0	402.95
13	285.0	30.0	335.69
14	350.0	40.0	37.01

Night Directional Operation:

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

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License No.: BMML-20180419ADK

Night Directional Operation:

Twr. Phase	Antenna Monitor
No. (Deg.)	Sample Current Ratio
2 75.2	1.025

Antenna Monitor: POTOMAC INSTRUMENTS, MODEL 1901-2

Sampling System Approved Under Section 73.68 of the Rules.

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 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.
- 3 Description of Directional Antenna system:

Two uniform cross section, guyed, series excited vertical radiators, top-loaded by means of 18.9 m lengths of upper three guy wires.

Daytime Non-directional Antenna: Tower #2 (N) with #1 (S) floating.

Ground system consists of 120 equally spaced, buried copper radials 76.2 m in length except where limited by property lines, plus 120-15.24 m radials about the base of each tower. Intersecting radials shortened and bonded to a transverse copper strap midway between the towers. Center of system is bonded by a 0.1 m copper strap.

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