



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

SALEM COMMUNICATIONS HOLDING CORPORATION
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: BML-20010621AAQ

Grant Date: August 10, 2001

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

License modified to reflect operation with inverted antenna parameters.

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.: BML-20010621AAQ

Name of Licensee: SALEM COMMUNICATIONS HOLDING CORPORATION

Station Location: SAN BERNARDINO, CA

Frequency (kHz): 590

Station Class: B

Antenna Coordinates:

Day

Latitude: N 34 Deg 04 Min 18 Sec

Longitude: W 117 Deg 17 Min 50 Sec

Night

Latitude: N 34 Deg 04 Min 18 Sec

Longitude: W 117 Deg 17 Min 50 Sec

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

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

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

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 4.65 Night: 4.65

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: 297.73 Night: 289.68

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 312.85 Night: 305.1

Q Factor: Day: 10 Night: 11.93

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	65.1
2	0.7350	-94.100	90.0000	20.000	0	65.1
3	0.1340	171.600	180.0000	20.000	0	65.1

* 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	140.0	10.0	152.89
2	200.0	10.0	101.39
3	240.0	10.0	107.83

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	65.1
2	0.7720	166.000	90.0000	20.000	0	65.1
3	0.4800	-53.200	180.0000	20.000	0	65.1

* 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	20.0	10.0	249.45
2	45.0	10.0	233.35
3	60.5	10.0	241.40
4	130.5	10.0	112.65

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
5	140.0	19.0	173.81
6	269.5	59.0	104.61
7	269.5	10.0	112.65

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 0	1
2 -94	0.78
3 170	0.125

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 0	1
2 170	0.78
3 -53	0.48

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 (204)

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
140	3.06	42
200	4.83	19
240	3.22	22

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
20	7	32
45	6.28	29
60.5	1.93	101
130.5	4.67	15.5
269.5	4.59	17.5

Special operating conditions or restrictions:

1 20 degrees T: Niles Street, in street opposite 668 Niles Street.
LIMIT: 32.0 mV/m NIGHTTIME.

45 degrees T: North side of Union Street opposite the driveway of the residence at 25383 Union. LIMIT: 29.0 mV/m NIGHTTIME.

60.5 degrees T: East side of Lincoln Street in front of the residence at 1117 S. Lincoln. Also measured as 40 paces north of Ennis Street.
LIMIT: 101.0 mV/m NIGHTTIME.

130.5 degrees T: East side of Orange Grove Street in front of the residence at 11465 Orange Grove. LIMIT: 15.5 mV/m NIGHTTIME.

269.5 degrees T: Meridian Avenue, approx. 0.2 mi. north of intersection with Valley Blvd. Monitoring point is on the sidewalk 10 feet south of the fire hydrant. LIMIT: 17.5 mV/m NIGHTTIME.

140 degrees T: Barton Rd., approx. 300 feet east of intersection with Waterman Ave. Monitoring point is in driveway between 24145 and 24157 Barton Rd., approx. 70 feet south of Barton Rd., at the end of the straight portion of the driveway before it curves west. LIMIT: 42.0 mV/m DAYTIME.

200 degrees T: Driveway of 22325 Barton Rd. (opposite Canal Street). Turn south into driveway and proceed approx. 0.2 mi., past "The Terrace" assisted living community building to the chain link fence at the end of the driveway. Monitoring point is located 20 ft. north of this chain link fence in the center of the driveway. LIMIT: 19.0 mV/m DAYTIME.

240 degrees T: South side of Maple Street, on the sidewalk opposite 273 Maple. LIMIT: 22.0 mV/m DAYTIME.

*** END OF AUTHORIZATION ***