

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 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: 2.0 Night: 1.0

Antenna Input Power (kW): Day: 2.2 Night: 1.1

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 6.57 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: 440.42 Night: 289.68

Standard RMS (mV/m/km): Day: 462.748

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

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	1.0970	-138.800	90.0000	20.000	0	65.2
3	0.4700	72.200	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	0.7720	166.000	90.0000	20.000	0	65.2
3	0.4800	-53.200	180.0000	20.000	0	65.2

* 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
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. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	152.2	0.471

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
2	0	1
3	-141.4	0.967

Night Directional Operation:

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

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)
 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)
118	4.65	43.06
162.5	3.04	30.79
237.5	2.64	30.64
282	5.65	24.68

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 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.

Special operating conditions or restrictions:

2 Location of Monitoring Points:

Nighttime:

Direction of 20 degrees true North: Niles Street, in street opposite 668 Niles Street.

Direction of 45 degrees true North: North side of Union Street opposite the driveway of the residence at 25383 Union.

Direction of 60.5 degrees true North: East side of Lincoln Street in front of the residence at 1117 S. Lincoln. Also measured as 40 paces north of Ennis Street.

Direction of 130.5 degrees true North: East side of Orange Grove Street in front of the residence at 11465 Orange Grove.

Direction of 269.5 degrees true North: 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.

Daytime:

Direction of 118 degrees true North: On the sidewalk at the north side of Shepardson Dr., in line with the center of Bellaire St., in Loma Linda, CA.

Direction of 162.5 degrees true North On the sidewalk at the southwest side of Cahuilla St., opposite the small gate house to the residences at 2255 Cahuilla St., in Colton, CA.

Direction of 237.5 degrees true North: In line with the west side of 10th St., 30 meters south of the center of O St., on the sidewalk in the park, in Colton, CA.

Direction of 282 degrees true North: In the center of Westwind St., opposite 1956 Westwind St., in Colton, CA.

3 Ground System Description:

The ground system consists of 120 equally spaced buried copper radials, from approximately 64 meters to 127 meters in length, plus a 7.3 meter by 7.3 meter ground screen, for each tower. At the intersection of the radials between towers the radials are terminated on a copper conductor.

*** END OF AUTHORIZATION ***