

Name of Licensee: SALEM COMMUNICATIONS HOLDING CORPORATION

Station Location: ORLANDO, FL

Frequency (kHz): 990

Station Class: B

Antenna Coordinates:

Day

Latitude: N 28 Deg 34 Min 27 Sec

Longitude: W 81 Deg 27 Min 46 Sec

Night

Latitude: N 28 Deg 34 Min 27 Sec

Longitude: W 81 Deg 27 Min 46 Sec

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

Nominal Power (kW): Day: 50.0 Night: 14.0

Antenna Input Power (kW): Day: 52.7 Night: 14.7

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 31.7 Night: 16.8

Resistance (ohms): Day: 52.5 Night: 52.5

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1045538	
2	1045537	

Night:

Tower No.	ASRN	Overall Height (m)
1	1045536	
2	1045537	
3	1045538	
4	1045539	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2262 Night: 1159

Standard RMS (mV/m/km): Day: 2376.26 Night:

Augmented RMS (mV/m/km):

Q Factor: Day: 70.71 Night: 45.65

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	137.7
2	0.4700	0.000	168.1000	337.900	0	137.7

* 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	87.0
2	1.1820	-25.000	206.4000	359.700	0	137.7
3	0.9210	-139.300	80.1000	50.800	0	137.7
4	0.8740	-166.400	264.2000	13.500	0	87.0

* 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	13.0	26.0	140.00
2	147.0	50.0	146.00
3	227.5	50.0	186.00
4	262.0	68.0	949.00
5	297.0	30.0	598.00
6	342.0	30.0	167.00
7	359.0	6.0	230.00

Day Directional Operation:

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

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
2 18.5	0.53

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 145	1.89
2 140	1.29
3 0	1
4 -49	1.28

Antenna Monitor: Potomac Instruments AM 1901

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)
158	3.38	332.4
338	4.17	161.6

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
13	4.12	31.1
147	4.22	27.1
227.5	7.08	7
297	4.25	74.3
342	6.68	9

*** END OF AUTHORIZATION ***