

Name of Licensee: GOIS BROADCASTING BOSTON LLC

Station Location: DEDHAM, MA

Frequency (kHz): 890

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 14 Min 50 Sec

Longitude: W 71 Deg 25 Min 31 Sec

Night

Latitude: N 42 Deg 14 Min 50 Sec

Longitude: W 71 Deg 25 Min 31 Sec

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

Nominal Power (kW): Day: 25.0 Night: 6.0

Antenna Input Power (kW): Day: 26.3 Night: 6.3

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 22.9 Night: 11.24

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1058482	
2	1058483	
3	1058484	
4	1058485	
5	1058486	

Night:

Tower No.	ASRN	Overall Height (m)
1	1058482	
2	1058483	
3	1058484	
4	1058485	
5	1058486	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2036.3 Night: 975.7

Standard RMS (mV/m/km): Day: 2140.7

Augmented RMS (mV/m/km): Night: 1025.1

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	0.4620	276.800	0.0000	0.000	0	173.6
2	0.9630	130.300	84.0000	90.000	0	173.6
3	1.0000	0.000	167.9000	90.000	0	173.6
4	0.8200	231.100	251.9000	90.000	0	173.6
5	0.3420	86.900	335.8000	90.000	0	173.6

* 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	0.4800	227.600	0.0000	0.000	0	173.6
2	0.9800	115.300	84.0000	90.000	0	173.6
3	1.0000	0.000	167.9000	90.000	0	173.6
4	0.8950	249.400	251.9000	90.000	0	173.6
5	0.4250	142.300	335.8000	90.000	0	173.6

* 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	14.0	20.0	39.40
2	166.0	20.0	79.00
3	237.0	20.0	42.20
4	314.5	20.0	64.30

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-77	0.46
2	133	0.96
3	0	1
4	-127	0.9
5	93	0.37

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-135	0.442
2	113.1	0.938
3	0	1
4	-110.5	1.175
5	138.5	0.635

Antenna Monitor: POTOMAC INSTRUMENTS 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)
18	6.51	15.2
162	6.24	8.9
189.5	1.99	35.9
215	3.04	15.3
325	3.92	24.6
350.5	6.06	14

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
14	3.81	7.45
166	4.88	3.18
225.5	3.52	1.45
255	2.76	4.2
285	3.5	4.52
314.5	3.49	4.32

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site 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 Ground System:

Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 112.78 meters in length except where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus a copper ground screen 15.24 meters square, about the base of each tower.

- 3 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.

Special operating conditions or restrictions:

4 Location of Monitor Points:

Nighttime:

Direction of 14° true North. Turn Right on SR. 126 (Pond St.), proceed 2.5 miles North. Turn RIGHT (East) on Clinton St. 0.2 miles to #58 Clinton St. Point is across street from entrance to 58 Clinton St.

Coordinates are N42°16'49.34", W71°24'45.56" (WGS84).

Direction of 166° true North. Turn LEFT on SR 126 (Pond St.) proceed 2.7 miles South. At intersection with SR 16, turn RIGHT 0.9 miles. Turn LEFT (EAST) on Central St. 0.7 miles. Veer LEFT onto Fiske St. to 136 Fiske St. Reading is in driveway.

Coordinates are N42°12'16.4", W71°24'35.77" (WGS84).

Direction of 225.5° true North. Turn LEFT on SR 126 (Pond St.), proceed 0.5 miles South. Turn RIGHT (West) on Eliot St. 0.6 miles, veer LEFT and continue on Eliot St. 0.9 miles. Turn LEFT (South) on Chestnut St. which becomes Highland St. Proceed 1.0 mile to mailbox for 215 Highland. Point is across from "Tree Farm" sign.

Coordinates are N42°13'29.84", W71°27'17.04" (WGS84).

Direction of 255° true North. Turn LEFT on SR 126 (Pond St.), proceed 0.5 miles South. Turn RIGHT (West) on Eliot St. 0.6 miles, veer LEFT and continue on Eliot St. 0.9 miles. Turn RIGHT (North) onto Chestnut St. for 0.4 miles to 466 Chestnut St. Point is at the house marker sign.

Coordinates are N42°14'26.53", W71°27'23.72" (WGS84).

Direction of 285° true North. Turn LEFT on SR 126 (Pond St.), proceed 0.5 miles South. Turn RIGHT (West) on Eliot St. 0.6 miles, veer RIGHT (North-west) onto Fruit St. 0.4 miles. Bear RIGHT (NORTH) onto Prospect. St. 1.1 miles. Street name changes to Main St. Turn LEFT (West) onto SR 135 (Union St.) 0.2 miles. Turn LEFT (South) onto Metropolitan Ave. appx. 80 yards to #8 Metropolitan Ave. Point is at entrance to house.

Coordinates are N42°15'19.19", W71°27'54.65" (WGS84).

Direction of 314.5° true North. Turn LEFT on SR 126 (Pond St.), proceed 0.5 miles South. Turn RIGHT (West) on Eliot St. 0.6 miles, veer RIGHT (North-west) onto Fruit St. 0.4 miles. Bear RIGHT (North) onto Prospect. St. 2.2 miles. Street name changes to Main St. and then to Myrtle St. Turn RIGHT (East) onto Acton St. 0.2 miles, bear RIGHT onto Hilldale Rd. Point is across from driveway at 27 Hilldale Rd.

Coordinates are N42°16'08.9", W71°27'15.99" (WGS84).

Special operating conditions or restrictions:

5 MONITOR POINT DESCRIPTIONS:

Daytime:

18°- Point located 6 feet east of eastern edge of loading dock, northwest corner of Kohl's parking lot.

162°- Point located approximately 1 meter southeast of watercap at curb, opposite 80 Willow Gate.

189.5°- Point located 30 feet west of driveway just south of Bartzak Drive.

215°- Point located opposite and 40 feet west of Queens Terrace on Stonybrook Drive, 3 feet west of transformer at curb.

325°- Point located at center of driveway at curb of 24 William J. Hgts.

350.5°- Point located at northwest corner of Vernon and Pleasant, at east end of small paved island, 5 feet west of curb break.

*** END OF AUTHORIZATION ***