



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

ENTERCOM LICENSE, LLC
 401 E. CITY AVENUE
 SUITE 809
 BALA CYNWYD PA 19004

Susan N. Crawford
 Senior Engineer
 Audio Division
 Media Bureau

Facility Id: 1902

Call Sign: WRKO

License File Number: BL-19880712AH

Grant Date: November 14, 1988

This license expires 3:00 a.m.
 local time, April 01, 2014.

This license re-issued March 25, 2013, by SNC to add a Special Operating Condition authorizing the use of modulation dependent carrier level (MDCL) control technology.

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.	7:15 AM	4:30 PM	Jul.	4:15 AM	7:15 PM
Feb.	6:45 AM	5:15 PM	Aug.	4:45 AM	6:45 PM
Mar.	6:00 AM	5:45 PM	Sep.	5:30 AM	6:00 PM
Apr.	5:00 AM	6:30 PM	Oct.	6:00 AM	5:00 PM
May	4:30 AM	7:00 PM	Nov.	6:30 AM	4:30 PM
Jun	4:00 AM	7:30 PM	Dec	7:00 AM	4:15 PM

Name of Licensee: ENTERCOM LICENSE, LLC

Station Location: BOSTON, MA

Frequency (kHz): 680

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 29 Min 25 Sec
Longitude: W 71 Deg 13 Min 05 Sec

Night

Latitude: N 42 Deg 29 Min 25 Sec
Longitude: W 71 Deg 13 Min 05 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: 50.0

Antenna Input Power (kW): Day: 52.6 Night: 52.6

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 26.5 Night: 26.5

Resistance (ohms): Day: 75 Night: 75

Antenna Registration Number(s):

Day:

Table with 3 columns: Tower No., ASRN, Overall Height (m). Rows: 1 1007349, 2 1007350, 3 1007351

Night:

Table with 3 columns: Tower No., ASRN, Overall Height (m). Rows: 1 1007349, 2 1007350, 3 1007351

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2059.96 Night: 2355.76

Standard RMS (mV/m/km):

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

Q Factor: Day: 70.7 Night: 70.7

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	108.0
2	0.9000	40.000	155.0000	255.000	0	97.0
3	0.5000	104.000	155.0000	255.000	1	108.0

* 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	4.0	90.0	4385.46
2	42.0	50.0	2245.03
3	75.0	142.0	1232.76
4	108.0	50.0	2251.47
5	146.0	90.0	4385.46
6	197.0	95.0	1147.46
7	255.0	95.0	910.89
8	311.0	95.0	1134.59

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	108.0
2	1.9040	55.800	155.0000	255.000	0	97.0
3	1.0000	104.000	155.0000	255.000	1	108.0

* 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	67.5	15.0	1689.81
2	75.0	15.0	1657.62
3	82.5	15.0	1689.81
4	210.0	16.0	220.48
5	215.0	10.0	197.95
6	255.0	38.0	267.15
7	275.0	23.0	217.26
8	292.0	36.0	334.74
9	300.0	10.0	280.03
10	305.0	10.0	313.82
11	311.0	10.0	498.90

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	140.8	0.51
2	-129.9	0.846
3	0	1

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-110.8	0.576
2	0	1
3	114.3	0.524

Antenna Monitor: POTOMAC INSTRUMENTS, MODEL AM-1901

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
75	3.15	247
197	4.63	124
255	6.32	79

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
223	3.2	65
255	6.32	22
280	6.89	14.6
311	4.38	84.6

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.

Special operating conditions or restrictions:

2 Location of Monitor Points:

Direction of 75° true North. Proceed on 128 North to the Winn Street exit. Turn right onto Winn Street exit ramp at the intersection of the exit ramp and Winn Street. Turn left onto Winn Street and proceed 0.25 mile (northwesterly) on Winn Street to the St. Margaret's Church entrance and point. Point is at southwest corner of church parking lot over mark opposite marked tree to south.

Direction of 197° true North. Proceed on Rt. 4-225, (Bedford Street) to the intersection of Harrington Road. Turn right onto Harrington Road and proceed 0.125 mile southwesterly to the St. Bridgid's Church entrance. Turn right into St. Bridgid's parking lot and point. Point is over mark in St. Bridgid's Church parking lot. It is in middle of drive opposite a small grass triangle to north and cemetery fence corner to east. It is also directly behind rectory garage.

Direction of 223° true North. Proceed right onto exit ramp from Rt. 128 to Rt. 4-225 towards Lexington and proceed 0.4 mile total along ramp and in southeasterly direction along Rt. 4-225 (Bedford St.) to point. Point is over mark southwest side of exit ramp from Rt. 128 to Rt. 4-225 Lexington. It also 20 paces northwest of marked "School" sign near storm sewer grate.

Direction of 255° true North. Proceed right (southwesterly) onto Hartwell Ave. and proceed in southwesterly direction along Hartwell for 1.0 mile to the Raytheon Company Gate 6 entrance road. Turn left to Gate 6 entrance road and proceed approx. 0.05 mile south to the Gate 6 parking lot and point. Point is on west edge of parking area in line with south face of Raytheon Building.

Direction of 280° true North. Turn right onto Rt. 4-225 exit ramp and proceed 3.0 miles northwesterly along Rt. 4-225 to the point where Rt. 4 branches right and Rt. 225 branches left. Continue to left on Rt. 225 in northwesterly direction for 0.80 miles to the entrance of the Bedford Town Dump. Turn left into Bedford Town Dump entrance and proceed 0.12 mile along upper dump road to point. Point is at northeast side of road at curve and 26 paces southwest of marker wood post containing "Bedford Town Dump" sign.

Direction of 311° true North. Proceed on Rt. 62 to the Rt. 3 North Entrance Ramp. Turn left onto Rt. 3 North Entrance Ramp and proceed along Rt. 3 North 1.55 miles to point. Point is on east edge of highway, 20 paces north of north end of guard rail.

3 Ground System:

Ground system consists of 120 equally spaced, buried, copper radials 167.68 meters in length plus a 14.63 meter ground screen about the base of each tower. Intersecting radials shortened and boned to transverse copper straps midway between adjacent elements.

4 Waiver of 47 C.F.R. Section 73.1560(a) is granted to permit the licensee to operate with modulation dependent carrier level (MDCL) control technology, which reduces transmitter power at certain modulation levels.

*** END OF AUTHORIZATION ***