

FEDERAL COMMUNICATIONS COMMISSION
445 TWELFTH STREET SW
WASHINGTON DC 20554

MEDIA BUREAU
AUDIO DIVISION
APPLICATION STATUS: (202) 418-2730
HOME PAGE: www.fcc.gov/mb/audio/

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February 6, 2009

Dennis P. Corbett, Esq.
Lerman Senter PLLC
2000 K Street NW
Washington, DC 20006-1809

Re: WRCA(AM), Watertown, MA
Facility Identification Number: 60695
WAEK License Limited Partnership
Construction permit: BMP-20020926ACN
License application: BMML-20080202CEX
Program Test Authority

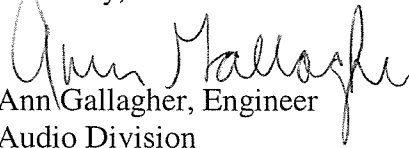
Dear Counsel:

This is in reference to the above-captioned license application and request for program test authority ("PTA").

Authority is granted WRCA(AM) to conduct program tests through May 6, 2009, in accordance with Section 73.1620 of the Commission's Rules and the permit, BMP-20020926ACN, to operate on 1330 kHz with a nominal daytime power of 25 kilowatts and nominal nighttime power of 17 kilowatts. Program tests are authorized with a daytime input power of 26.3 kilowatts (common point current 22.9 amperes) and with nighttime input power of 17.9 kilowatts (common point current 18.9 amperes).

Program tests must be conducted with the directional antenna systems adjusted in accordance with the enclosed specifications. Please notify this office of any discrepancies found with the enclosed specifications.

Sincerely,


Ann Gallagher, Engineer
Audio Division
Media Bureau

Attachment

Cc: Ronald D. Rackley, P.E.
Benjamin F. Dawson III, P.E.

Name of Licensee: WAEC LICENSE LIMITED PARTNERSHIP

Station Location: WALTHAM, MA

Frequency (kHz): 1330

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 17 Min 20 Sec

Longitude: W 71 Deg 11 Min 21 Sec

Night

Latitude: N 42 Deg 17 Min 20 Sec

Longitude: W 71 Deg 11 Min 21 Sec

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

Nominal Power (kW): Day: Night:

Antenna Input Power (kW): Day: 25.0 Night: 17.0

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: Night:

Resistance (ohms): Day: Night:

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	60.3
2	None	60.3
3	None	60.3
4	None	60.3
5	None	60.3

Night:

Tower No.	ASRN	
1	None	60.3
2	None	60.3
3	None	60.3
4	None	60.3

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 1502.1 Night: 1343.6

Standard RMS (mV/m/km): Day: 1578.1 Night: 1411.5

Augmented RMS (mV/m/km):

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	0.4260	93.900	0.0000	0.000	0	94.9
2	1.0000	0.000	87.3000	70.000	0	94.9
3	0.4510	-97.900	167.3000	73.000	0	94.9
4	0.7130	73.800	154.5000	156.300	0	94.9
5	0.7760	-31.700	198.6000	128.100	0	94.9

* 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	0.4670	123.600	0.0000	0.000	0	94.9
2	1.0000	0.000	87.3000	70.000	0	94.9
3	0.6010	-117.200	167.3000	73.000	0	94.9
4	0.1150	-25.600	154.5000	156.300	0	94.9

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1	0.428
2	1
3	0.47
4	0.719
5	0.787

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1	0.47

Callsign: WRCA

Program Test Authority

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
2	1
3	0.625
4	0.116

*** END OF AUTHORIZATION ***