

## ATLANTIC COAST RADIO

WLOB AM & FM: WRED FM: WJAE AM: WJJB AM & FM

779 WARREN AVENUE

PORTLAND, MAINE 04103

Tuesday, September 28, 2004

Andrew Armstrong  
WYNZ Radio  
Western Avenue  
South Portland, ME

RE: WLOB AM – 1310 Directional.

Attached is a tabulation of the WLOB FIR readings – Day & Night – before and after the WYNZ project was undertaken at the WGAN AM site.

As you can see there is a normal wide variation of the field points. I do not have the exact dates of when the tower was removed and then re-constructed or the date the FM was added to the tower. I would appreciate a written record of those dates.

Forward these readings to your consulting engineer. If there is a need for me to do a partial proof – please advise.

Eugene Terwilliger  
WLOB Engineering Dept.



COPY- Station Manager-- Jon Van Hoogenstyn  
COPY Station Owner -- JJ Jeffery .

# WLOB 1310 KHz AM FIELD INTENSITY READI

FCC>>	Common Point Amps	Ratio Tower 1	Phase Tower 1	Ratio Tower 3	Phase Tower 3	Night Radials mV/m			
DATE ↓	10.4	0.715	+116.0°	0.795	-112.0°	25.2	11.8	13.5	27.0
8-14-03	10.2	0.719	+117.6°	0.795	-112.9°	N-215°	N-265°	N-280°	N-325°
9-11-03	10.0	0.715	+115.8°	0.795	-111.0°	14.8	9.5	8.1	11.2
11-20-03	10.0	0.707	+117.9°	0.785	-112.5°	10.8	8.2	6.8	16
12-22-03	10.0	0.711	+114.8°	0.793	-109.8°	11.2	9.4	6.8	16
2-9/10-04	10.0	0.717	+116.1°	0.793	-111.3°	9.5	7.2	13.4	25
2-25-20	10.0	0.715	+116.3	0.787	-112.5°	12	1.9	13.5	20
3-5-04	10.1	0.720	+115.6°	0.790	-110.7°	13.5	1.4	12.2	24
4-9-04	10.4	0.714	+115.0°	0.790	-110.4°	13.2	4.8	12	16.2
5-11-04	10.5	0.712	+115.2	0.796	-111.7°	13	5.1	9.8	16
6-7-04	10.1	0.717	+116.0°	0.793	-111.2°	15	7.4	8.6	12.8
8-31-04	9.95	0.713	+115.0°	0.795	-112.1°	13	8.8	8.8	15
						10.5	5.5	11	7.3

FCC>>>	Common Point Amps	Ratio Tower 4	Phase Tower 4	DAY Radials mV/m	
DATE ↓	10.4	0.800	-143.0°	109.0	32.7
8-14-03	10.4	0.797	-143.8°	D-214°	D-267°
9-11-03	10.5	0.803	-142.8°	43	18.6
11-20-03	10.0	0.801	-141.6°	45	22
12-22-03	10.0	0.795	-142.0°	54	21
2-9/10-04	10.0	0.800	-143.0°	60	23
2-25-04	10.0	0.796	-144.4°	72	20
3-5-04	10.1	0.800	-144.1°	74	19.5
4-9-04	10.4	0.802	-142.6°	74	19.5
5-11-04	10.5	0.802	-142.0°	50	21
6-7-04	10.1	0.800	-143.5°	39	21
8-31-04	9.95	0.795	-141.9°	34	22
				37	21



# ENGINEERING SERVICES LLC

PO Box 666 - 7 Oak Hill Road - Standish, ME 04084  
Office 207.838.8168 / FAX 207.642.5814  
e-mail > eteng@pivot.net

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## AFFIDAVIT

### THAT:

Eugene F. Terwilliger is a qualified broadcast engineer and holds a valid General Radio-telephone license, # PG-15698 and that he held a First Class Radio-telephone license prior - since 1961

### THAT:

He is a Graduate of RCA Technical Institute (NYC) (1961)

### THAT:

He is the President of - ET Engineering LLC - a company engaged in Broadcast Engineering

### THAT:

He has actively been engaged in broadcast engineering since 1961; and has submitted applications for construction permits for AM & FM stations, directions antenna proof of performance and reports of a technical nature to the Federal Communications Commissions on previous occasions.

### THAT:

He has made numerous equipment performance measurements for various stations, some of which (measurements) along with his qualifications are on file and a matter of record with the Federal Communications commission

### THAT:

The measurements - Calculations - exhibits, contained and described in the attached report are/or were made under his the direct personal supervision. Further: THAT all the facts and data contained within the attached report are true and correct to the best of the affiant's personal knowledge; THAT: Any statement made in the attached report and shown as being made on the information and belief are believed to be true and correct as therein appearing.

Affiant: Eugene F. Terwilliger

DATE: 9-28-04

# **Atlantic Coast Radio LLC**

WLOB-AM+FM WRED-FM WJAE-AM WJJB-AM+FM

779 Warren Avenue----Portland, Me 04103

OFFICE>> 207-773-9695 FAX 761-4406

Andrew Armstrong  
WGAN Radio  
420 Western Avenue  
South Portland, ME 04106

Thursday, December 16, 2004

RE: 1440 AM

AM 1440 (WJAE) operates both day & night from it's transmitter site facilities in the city of Westbrook, Maine. (License attached)

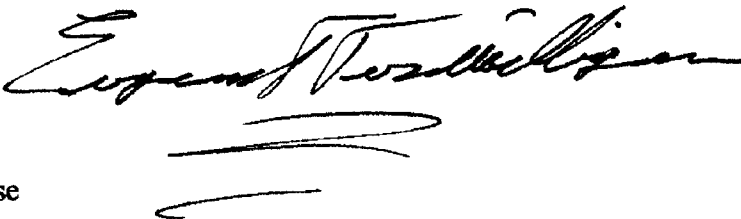
There is no other site (583 Warren Avenue) as listed in FCC's database. I have attempted to get the FCC to correct this but clearly that has not happened.

According to my records 1440 AM (then WMER) started to broadcast from the Westbrook site in late 1983. (License attached)

Some time after that date the 583 Warren Avenue (auxiliary) site was de-commissioned and does not exist nor has it for over 10+ years. There is no license for that site that I know of.

In as much as I was the station engineer in 1983, when all of this took place, I can personally testify to the truthfulness of the statements presented herewith.

Eugene Terwilliger  
Station Engineer



Attachments  
WMER 1983 license  
WJAE 1997 License

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

File No. : BS-970516WH

Call Sign : WJAE

LICENSEE: Fuller-Jeffrey Radio of New England

1. Community of License... : Westbrook, Maine
2. Transmitter location.... : SW corner of Conant  
Street, Wayside Drive  
Westbrook, Maine

North Latitude..... : 43° 40' 50"  
West Longitude..... : 70° 22' 47"

6. Antenna and ground system:  
Attached

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

4. Main Studio Location: (See Section 73.1125)  
583 Warren Avenue  
Portland, Maine

5. Remote control location  
583 Warren Avenue  
Portland, Maine

7. Antenna Registration: None required

8. Frequency..... : 1440 kHz

9. Nominal power (kW)..... : 5.0 Day 5.0 Night

Antenna input power (kW) :

5.0 Day ☒ Non-directional antenna: current 10.66 amperes: resistance 44 ohms.  
☐ Directional antenna :

5.4 Night ☐ Non-directional antenna: current 10 amperes: resistance 54 ohms.  
☒ Directional antenna :

10. Hours of operation : Unlimited (as in BL-820917AN)

Conditions..... :

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission rules made thereunder, and further subject to conditions set forth in this license, the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time

April 1, 1998

The Commission reserves the right during said license period of terminating this license or making effective any change, or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period.

The license is issued on the licensee's representation that the statements contained in the 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, as amended. This license is subject to the right of control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

eat:eat

FEDERAL  
COMMUNICATIONS  
COMMISSION



This license consists of this page and pages 2 & 3

Dated:

MAY 21 1997