United States of America

FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Official Mailing Address:

ALTON RAINBOW CORPORATION
1188 LAKE VIEW DR
ALTAMONTE SPRINGS FL 32714

Grant Date: April 27, 1999

This license expires 3:00 a.m. local time, February 01, 2004.

Facility Id: 1185

Call Sign: WHIM

License File Number: BL-19990309DE

This supersedes authorization of same date to correct the application file number from BL-19990220DE to BL-19990309DE. (HKC-05/19/04)

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

Name of Licensee: ALTON RAINBOW CORPORATION

Station Location: APOPKA, FL

Frequency (kHz): 1520

Station Class: B

Antenna Coordinates:

	Day			
Latitude:	N	28 Deg	39 Min	08 Sec
Longitude:	W	81 Deg	29 Min	40 Sec

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

Nominal Power (kW): Day: 5.0 Night: 0.35

Antenna Input Power (kW): Day: 5.4 Night: 0.38

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10 Night: 2.64

Resistance (ohms): Day: 54 Night: 54

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1029266	
2	None	49.7

Night:

Tower No.	ASRN	Overall Height (m)
1	1029266	
2	None	49.7
3	None	49.7
4	None	49.7

Callsign: WHIM License No.: BL-19990309DE

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 806.28 Night: 186.9

Standard RMS (mV/m/km): Day: 846.92 Night: 196.53

Augmented RMS (mV/m/km):

Q Factor: Day: 22.36 Night: 10

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	178.0
2	0.5200	103.000	88.4000	270.000	0	89.0

* 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	178.0
2	0.9520	188.900	88.4000	270.000	0	89.0
3	1.3400	245.800	88.6000	134.900	0	89.0
4	0.9700	104.000	85.5000	206.400	0	89.0

* Tower Reference Switch
0 = Spacing and orientation from reference tower
1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-135.6	0.945
2	0	1

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	114.5	0.453
2	-55.4	0.75
3	0	1
4	-137.9	0.693

Antenna Monitor: POTOMAC INSTRUMENTS AM-19

Sampling System Approved Under Section 73.68(b) of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
240.5	2.74	31
270	3.06	22.6
299.5	2.95	35.6

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
25	1.8	1.51
160	3.45	1.89

*** END OF AUTHORIZATION ***