

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

BL-810615AB
File No.: BR-780929UN
BR-810930UP
Call Sign: W T L N

STANDARD BROADCAST STATION LICENSE
RENEWAL & MODIFICATION

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, Lthe LICENSEE

ALTON-RAINBOW CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time FEBRUARY 1, 1989

The licensee shall use and operate said apparatus only in accordance with the following terms:

- On a frequency of 1520 kHz.
- With nominal power of 5 watts nighttime and 5 kilo watts daytime,
with antenna input power of watts directional

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 current amperes
antenna nighttime resistance ohms,
and antenna input power of 5400 watts directional

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 Common Point current 10 amperes
antenna daytime Common Point resistance .54 ohms
- Hours of operation: Daytime as follows:
Jan. 7:15 am to 5:45 pm; Feb. 7:00 am to 6:15 pm;
Mar. 6:30 am to 6:30 pm; Apr. 6:00 am to 6:45 pm;
May 5:30 am to 7:15 pm; June 5:30 am to 7:30 pm;
July 5:30 am to 7:30 pm; Aug. 6:00 am to 7:00 pm;
Sep. 6:15 am to 6:30 pm; Oct. 6:30 am to 6:00 pm;
Nov. 6:45 am to 5:30 pm; Dec. 7:15 am to 5:30 pm;
Eastern Standard Time (Non-Advanced)

- With the station located at: Apopka, Florida
- With the main studio located at: 1 mile South of Apopka
on Sheeler Road, Apopka, Florida
- Remote control point:

- Transmitter location: 1 mile South of Apopka
on Sheeler Road
Apopka, Florida
North Latitude: 28° 39' 08"
West Longitude: 81° 29' 40"

- Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 12 & 21 for E (#1) tower.
- Transmitter(s): Type Accepted
- Conditions:

The Commission reserves the right during said license period of terminating this license or making effective any changes 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 or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

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 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.

LThis license consists of this page and pages 2 & 3.

Dated: January 27, 1982

FEDERAL
COMMUNICATIONS
COMMISSION



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1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two uniform cross-section, guyed, series-excited, vertical steel radiators. The E (#1) tower supports the WTLN-FM antenna. Theoretical RMS is 501 mV/m. Standard RMS is 526 mV/m.

Height above Insulators: E(#1) 320' (178°) W(#2) 160' (89°)

Overall Height: E(#1) 323' W(#2) 163'

Spacing and Orientation: Spaced 159' (88.4°) on a line bearing 270°T.

Non-Directional Antenna: None authorized.

Ground System consists of consists of 120 equally spaced buried copper radials 163' in length, except where terminated by a transverse copper strap midway between towers, around the base of each tower. At the base of each tower is a 24' x 24' expanded copper mesh ground screen.

2. THEORETICAL SPECIFICATIONS

	TOWER	E(#1)	W(#2)
Phasing:	DAY:	0°	103°
Field Ratio:	DAY:	1	0.52

3. OPERATING SPECIFICATIONS

Phase Indication*:	DAY	-100°	0°
Antenna Base Current Ratio:	DAY	1.0	1.0
Antenna Monitor Sample Current Ratio:	DAY	0.37	1.00

* As indicated by Potomac Instruments AM-19 (204)

EXEMPTIONS AS LISTED IN SECTION 73.68(b) OF THE RULES WILL APPLY DURING PROPER OPERATION OF APPROVED SAMPLING SYSTEM.

Field measuring equipment shall be available at all times and the field intensity at each of the monitoring points shall be measured at least once every seven days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 240.5° true North. Proceed South on Sheeler Road 0.85 miles to Keen Road, turn right and proceed due West on Keen Road 1.5 miles to McQueen Road. The monitor point is approximately 500 feet West of the intersection on the North edge of Keen Road, directly across from pole R18CC-3980. Distance from antenna 1.70 miles. The field intensity measured at this point should not exceed 31 mv/m.

Direction of 270° true North. From the station proceed South on Sheeler Road 0.85 miles to Keen Road. Turn right and proceed due West 2.0 miles to Marden Road, turn right and proceed North 0.85 miles to the Point. The Point is on the East edge of Marden Road 50' North of the area where two large tanks were located, and the spot is indicated by a painted mark on the road. Distance from antenna 1.9 miles. The field intensity measured at this point should not exceed 22.6 mv/m.

Direction of 299.5° true North. From the station proceed South on Sheeler Road, 0.85 miles to Keen Road, turn right and proceed due West on Keen Road two miles to Marden Road, turn right and proceed North 1.45 miles to State Rt. 437 (Ocoee-Apopka Road), turn right and proceed 0.45 miles to Bradshaw Road. The Point is on the Southeast berm of Rt. 437 on the extended centerline of Bradshaw Road. Distance from antenna 1.83 miles. The field intensity measured at this point should not exceed 35.6 mv/m.