

363
CMJ

FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST STATION LICENSE



Official Mailing Address:

CAPE FEAR BROADCASTING COMPANY
1009 WILLIAM CLARK ROAD
FAYETTEVILLE, NC 28303

Authorizing Official:

George A. Enuton

George A. Enuton
Supervisory Engineer, FM Branch
Audio Services Division
Mass Media Bureau

Grant Date: **MAR 28 1988**

Call sign: WQSM

This license expires 3:00 am.
local time: December 01, 1988

License File No.: BLH-871125KA

This license covers Permit No.: 860701IE

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.

Name of Licensee:

CAPE FEAR BROADCASTING COMPANY

Station Location:

NC-FAYETTEVILLE

Call sign: WQSM

License No.: BLH-871125KA

Frequency (MHz): 98.1

Channel: 251

Class: C1

Hours of Operation: Unlimited

Main Studio Address:

NC-1009 WILLIAM CLARK ROAD, FAYETTEVILLE.

Transmitter location (address or description):

NC-1009 WILLIAM CLARK ROAD, FAYETTEVILLE.

Remote control point address:

NC-1009 WILLIAM CLARK ROAD, FAYETTEVILLE.

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

Transmitter output power (kW): 28

Antenna type: (directional or non-directional): Non-directional

Desc: HARRIS FMH-8AE, EIGHT SECTIONS, SIDEMOUNTED ON A UNIFORM CROSS-SECTION, GUYED TOWER.

Antenna coordinates: North Latitude: 35 04 46.0

West Longitude: 78 55 58.0

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the horizontal plane (kW) :	100.0	100.0
Height of radiation center above ground (meters) :	237.0	237.0
Height of radiation center above mean sea level (meters) :	307.0	307.0
Height of radiation center above average terrain (meters) :	253.0	253.0

Overall height of antenna structure above ground (including obstruction lighting, if any) : 250.0 meters

Obstruction marking and lighting specifications for antenna structure:

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

Paragraph 1.0, FCC Form 715 (March 1978):

Antenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be equal and approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 100 feet nor less than 1 and 1/2 feet in width. All towers shall be cleaned and repainted as often as necessary to maintain good visibility.

Paragraph A, FCC Form 715-A (Nov. 1983):

There shall be installed at the top of the antenna structure a white capacitor discharge omnidirectional light which conforms to FAA/DOD Specification L-856, High Intensity Obstruction Lighting Systems. This light shall be mounted on the highest point of the structure. If the antenna or other appurtenance at its highest point is incapable of supporting the omnidirectional light, one or more such lights shall be installed on a suitable adjacent support with the lights mounted not more than 20 feet below the tip of the appurtenance. The lights shall be positioned so as to permit unobstructed viewing of at least one light from aircraft at any normal angle of approach. The light unit(s) shall emit a beam with a peak intensity around its periphery of approximately 20,000 candelas during daytime and twilight, and approximately 4,000 candelas at night.

Paragraph H, FCC Form 715-A (Nov. 1983):

All lights shall be synchronized to flash simultaneously at 40 pulses per minute. The light system shall be equipped with a light sensitive control device which shall face the north sky and cause the intensity steps to change automatically when the north sky illumination on a vertical surface is as follows:

1. Day to Twilight: Shall not occur before the illumination drops to 60 footcandles, but shall occur before it drops to 30 footcandles.
2. Twilight to Night: Shall not occur before the illumination drops to 5 footcandles, but shall occur before it drops to 2 footcandles.
3. Night to Day: The intensity changes listed in 1. and 2. above shall be reversed in transitioning from the night to day modes.

(A) MUST BE MODIFIED TO REQUIRE USE OF L-866 IN LIEU OF L-856 MEDIUM INTENSITY AT THE TOP AND APROXIMATE ONE-THIRD AND TWO-THIRDS LEVEL OF SKELETAL TOWER.