



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

WESTERN NORTH CAROLINA PUBLIC RADIO
73 BROADWAY
ASHEVILLE NC 28801

Dale E. Bickel
Senior Engineer
Audio Division
Media Bureau

Facility Id: 71880

Call Sign: WFQS

License File Number: BLED-19890119KF

Grant Date: April 05, 1989

This license expires 3:00 a.m.
local time, December 01, 1995.

THIS LICENSE COVERS PERMIT NO.: BPED-870116MC

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.

Callsign: WFQS

License No.: BLED-19890119KF

Name of Licensee: WESTERN NORTH CAROLINA PUBLIC RADIO

Station Location: NC-FRANKLIN

Frequency (MHz): 91.3

Channel: 217

Class: C3

Hours of Operation: Unlimited

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

Transmitter output power:

Antenna type: Directional

Description: ODD ODD890119KF

Antenna Coordinates: North Latitude: 35 deg 10 min 24 sec

West Longitude: 83 deg 34 min 52 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	.265	.255
Height of radiation center above ground (Meters):	23	23
Height of radiation center above mean sea level (Meters):	1681	1681
Height of radiation center above average terrain (Meters):	702	702

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 27 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.

None Required

Special operating conditions or restrictions:

- 1 NEITHER THE HORIZONTALLY NOR VERTICALLY POLARIZED RADIATION COMPONENT SHALL EXCEED 0.265 KW AT ANY AZIMUTH AND EACH COMPONENT SHALL BE RESTRICTED TO THE FOLLOWING VALUES AT THE AZIMUTHS SPECIFIED:

0.0265 KW AT 60.3 DEGREES T

IN ADDITION, NEITHER RADIATION COMPONENT SHALL INCREASE AT A RATE EXCEEDING 0.2 DB PER DEGREE FROM THE AZIMUTHS OF RESTRICTED RADIATION SPECIFIED ABOVE NOR EXCEED A MAXIMUM-TO-MINIMUM RATIO OF 15 DB. THE VERTICALLY POLARIZED RADIATION COMPONENT SHALL NOT EXCEED THE HORIZONTALLY POLARIZED RADIATION COMPONENT AT ANY AZIMUTH.

THE HORIZONTAL AND VERTICAL RADIATION PATTERNS AS SUBMITTED WITH THE APPLICATION FOR CONSTRUCTION PERMIT ARE AUTHORIZED BY THIS CONSTRUCTION PERMIT. CHANGES MADE TO THESE PATTERNS WILL REQUIRE THE FILING OF FCC FORM 301 FOR COMMERCIAL STATIONS OF FCC FORM 340 FOR EDUCATIONAL STATIONS TO MODIFY THIS CONSTRUCTION PERMIT BEFORE PROGRAM TESTS ARE AUTHORIZED.

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ANTENNA DESCRIPTION: SHIVELY 6810-2R-DA TWO SECTION
DIRECTIONAL ANTENNA, HORIZONTALLY AND VERTICALLY
POLARIZED, SIDE-MOUNTED ON A GUYED TOWER

*** END OF AUTHORIZATION ***