

Exhibit: Compliance with Special Operating Conditions and Restrictions

WCQS Facility ID 71923

Asheville, North Carolina

Western North Carolina Public Radio, Inc.

Construction Permit File Number: 0000143574

August 2021

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Declaration

I declare, under penalty of perjury, that I am a technical consultant to broadcasting and other communications systems, that I have over twenty-five years of experience in the engineering of broadcast and other communications systems, that I am familiar with the Federal Communications Commission's Rules found in the Code of Federal Regulations Title 47, that I am a Professional Engineer registered in North Carolina, that I have prepared or supervised the preparation of the attached Exhibit for Western North Carolina Public Radio, Inc., and that all of the facts therein, except for facts of which the Federal Communications Commission may take official notice, are true to the best of my knowledge and belief.



Timothy L. Warner, P.E.
Post Office Box 8045
Asheville, North Carolina 28801
(828) 258-1238
twarner@tlwinc.net
31 August 2021

Narrative

This Construction Permit authorizes a power increase based on the measured directional antenna pattern for the antenna which was installed in completion of construction and licensing in BLED-19931012KA. No physical changes are required to complete this construction. The only change is an increase in Effective Radiated Power, which requires an increase in Transmit Power Output. The installed transmitter has adequate power to operate at the new Effective Radiated Power.

Special Operating Conditions and Restrictions

There are six (6) special operating conditions or restrictions. This Exhibit provides details on compliance with each.

1. The licensee acknowledges that any future modifications to station WNCW, Spindale, North Carolina, Facility ID No. 29262, will not be construed as a per se modification of WCQS.
2. A complete proof of performance for this antenna is attached as a separate exhibit. Note that the proof of performance specifies the exact antenna installed for WCQS in 1993. The pattern authorized in this construction permit has been modified to allow the maximum directional Effective Radiated Power to increase.
3. I supervised the pattern testing and certified the original installation in 1993, and have reviewed the installation. The manufacturer provided a field technician to assist. The antenna remains in its original configuration, as shown in the installation drawings. I hold an FCC General Radiotelephone License, issued as a replacement for a First Class Radiotelephone License, first issued in 1969. I have installed or supervised the installation of numerous directional and nondirectional FM antennas.

This exhibit serves as my certification that the antenna was assembled and mounted according to the manufacturer's instructions.

4. The antenna was not modified for this construction permit. It remains at the designed orientation. The certification from the surveyor from 1993 remains accurate and is attached.
5. A map is attached to this exhibit showing that the measured pattern provides 100% coverage of the community of license by the F(50,50) 60 dBu contour.
6. As the attached proof of performance from ERI shows, the pattern complies with the specific minimum power requirement at 190 degrees. The maximum permitted is .680 kW, where the measured pattern relative field is 0.586, which delivers .652 kW, based on a maximum Effective Radiated Power of 1.9 kW.

Richard D Croom
Professional Engineer and Registered Land Surveyor

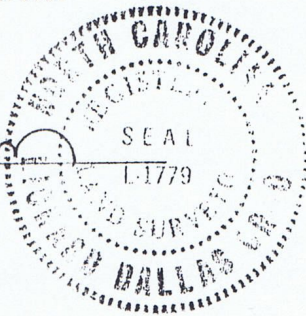
204 Crooked Street
Mars Hill NC 28754
704-689-2571

30 September 1993

AFFIDAVIT TO THE FEDERAL COMMUNICATIONS COMMISSION:

This is to certify that I, Richard D Croom, Registered Land Surveyor in the state of North Carolina, L1779, have checked the antenna and tower orientation located on High Top Mountain in Buncombe County, North Carolina, west of Highway NC 63 (Leicester Highway), and southwest of Spivey Mountain, for WCQS-FM Radio and found it to be at the proper orientation (North Azimuth of 325°, Bearing of N35°W). I have also verified that the tower and antenna orientation correspond to the orientation shown on the installation drawings by Electronic Research, Inc (ERI) drawings for WCQS-FM in Asheville, reference ERI drawing number BEMP/179 of February 12, 1993 and Project number BEMP/179.

Richard D Croom
Richard D Croom, RLS, L1779



STATE OF NORTH CAROLINA
COUNTY OF BUNCOMBE

I, Carolyn C Hadaway, a Notary Public of said state and county, do hereby certify that
Richard D. Croom, personally appeared before me this day and acknowledged the due
execution of the foregoing Affidavit. Witness my hand and seal this 11 day of October, 1993.

Carolyn C Hadaway
NOTARY PUBLIC

MY COMMISSION EXPIRES June 18, 1998

WCQS.C

0000143574

Latitude: 35-35-23.30 N

Longitude: 082-40-25.40 W

ERP: 1.90 kW

Channel: 201 88.1 MHz

AMSL Height: 1100.0 m

Elevation: 1074.0 m

Horiz. Pattern: Directional

WCQS-measured

Measured 1993

Latitude: 35-35-23.30 N

Longitude: 082-40-25.40 W

ERP: 1.90 kW

Channel: 201 88.1 MHz

AMSL Height: 1100.0 m

Elevation: 1074.0 m

Horiz. Pattern: Directional

Timothy L. Warner, P.E.

