

REQUEST FOR SPECIAL TEMPORARY AUTHORITY
MAVERICK MEDIA OF EAU CLAIRE LICENSE LLC
WAXX (FM) RADIO STATION
CH 283C - 104.5 MHZ - 2.4 KW
EAU CLAIRE, WISCONSIN
March 2011

TECHNICAL STATEMENT

This Technical Statement and attached exhibits were prepared on behalf of Maverick Media of Eau Claire License LLC (“Maverick”), licensee of FM radio station WAXX, Channel 283C, Eau Claire, Wisconsin. The main antenna system for WAXX was destroyed due to the collapse of the 2,000 foot tower that supported it and a co-located television tower. As such, Maverick herein seeks Special Temporary Authority to operate at a new site with 2.4 kilowatts. The facilities proposed for the STA are identical to those proposed in an application for a new auxiliary antenna system for WAXX, which is being submitted to the Commission. The WAXX STA will allow the restoration of service to Eau Claire, Wisconsin while reconstruction of the main tower is being undertaken.¹

Maverick is proposing to locate the WAXX STA antenna on an existing tower. As such, the Federal Aviation Administration was not apprised of this proposal. The tower has been registered with the Commission and assigned Antenna Structure Registration Number 1033663.

Exhibit A is a map showing the that the 60 dBu contour of the proposed WAXX STA will not extend beyond that of the authorized main WAXX 60 dBu contour. Due to the location of the WAXX STA antenna on a tower with a television transmitter, a study demonstrating that this proposal is in compliance with the Commission’s RF limits is attached.

1) The WAXX tower fell on Tuesday, March 22, 2011, during severe weather in the area. The exact cause of the failure is still under investigation.

Graham Brock, Inc. - Broadcast Technical Consultants

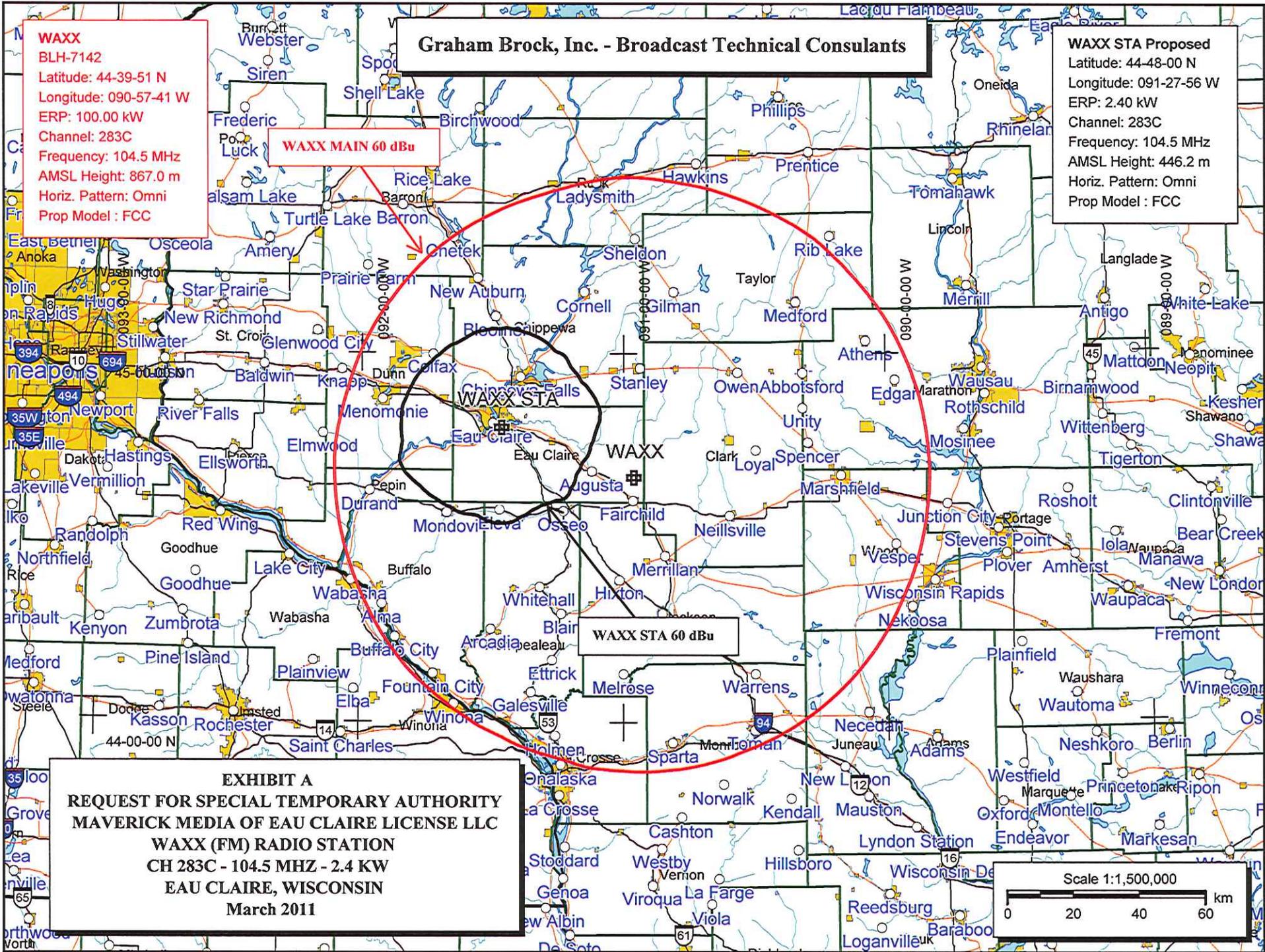
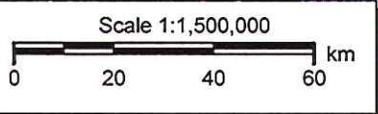
WAXX
BLH-7142
Latitude: 44-39-51 N
Longitude: 090-57-41 W
ERP: 100.00 kW
Channel: 283C
Frequency: 104.5 MHz
AMSL Height: 867.0 m
Horiz. Pattern: Omni
Prop Model : FCC

WAXX STA Proposed
Latitude: 44-48-00 N
Longitude: 091-27-56 W
ERP: 2.40 kW
Channel: 283C
Frequency: 104.5 MHz
AMSL Height: 446.2 m
Horiz. Pattern: Omni
Prop Model : FCC

WAXX MAIN 60 dBu

WAXX STA 60 dBu

EXHIBIT A
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EXHIBIT B

Radio Frequency Assessment

A study has been made to determine whether this proposal is in compliance with 47 C.F.R. §1.1307 of the Commission's rules and with OET Bulletin #65, dated August 1997 ("Bulletin"), regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. This study considers all nearby contributing stations, specifically WUEC, WQOW, and W50EI-LD and utilizes the appropriate formulas contained in the OET Bulletin.¹

The proposed WAXX STA antenna system will be mounted with its center of radiation 175.3 meters (575.0 feet) above the ground at the tower location and will operate with an effective radiated power of 2.4 kilowatts in the horizontal and vertical planes (circularly polarized). At 2.0 meters above the ground at the base of the tower, the height of an average person, the proposed WAXX STA antenna system will contribute 0.0032 mw/cm².² Based on exposure limitations for a controlled environment, 0.3% of the allowable ANSI limit is reached at 2.0 meters above the ground at the base of the tower. For uncontrolled environments, 1.6% of the ANSI limit is reached at 2.0 meters above the ground at the base of the tower.

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- 1) The contributions of the FM stations were calculated with the FMModel program. The EPA single bay dipole antenna was used for calculations unless otherwise noted.
 - 2) This level occurs at 47.0 meters out from the base of the tower and is considered worst case.

The authorized WUEC antenna system will be mounted with its center of radiation 201.0 meters (659.5 feet) above the ground at the tower location and will operate with an effective radiated power of 25.0 kilowatts in the horizontal and vertical planes (circularly polarized).³ At 2.0 meters above the ground at the base of the tower, the height of an average person, the proposed WUEC antenna system will contribute 0.0254 mw/cm².⁴ Based on exposure limitations for a controlled environment, 2.5% of the allowable ANSI limit is reached at 2.0 meters above the ground at the base of the tower. For uncontrolled environments, 12.7% of the ANSI limit is reached at 2.0 meters above the ground at the base of the tower.

The licensed WQOW digital Channel 15 antenna system is mounted with its center of radiation 287.1 meters (942.0 feet) above ground and operates with an effective radiated power of 200.0 kilowatts in the horizontal plane. As denoted in OET Bulletin #65, Supplement A, Page 31, the typical UHF antenna system has a downward radiated field of 0.1. As such, the calculations for the WQOW antenna is based on a power of 2.0 kilowatts. At 2.0 meters above the ground at the base of the tower, the WQOW antenna system will contribute 0.0003 mw/cm². Based on exposure limitations for a controlled environment, <0.1% of the allowable ANSI limit is reached at 2.0 meters above the ground. For the uncontrolled environment, 0.1% of the limit is reached at 2.0 meters above the ground.

The authorized W50EI-LD digital Channel 50 antenna system is to be mounted with its center of radiation 130.0 meters (427.0 feet) above ground and will operate with an effective

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- 3) The WUEC construction permit is to be located at the same height as the present WUEC license, but will operate with a higher level of power than the license. Therefore, the permit is used and as a worst case contributor.
 - 4) This level occurs at 54.0 meters out from the base of the tower and is considered worst case.

radiated power of 15.0 kilowatts in the horizontal plane. As denoted in OET Bulletin #65, Supplement A, Page 31, the typical UHF antenna system has a downward radiated field of 0.1. As such, the calculations for the W50EI-LD antenna is based on a power of 0.15 kilowatt. At 2.0 meters above the ground at the base of the tower, the W50EI-LD antenna system will contribute 0.0001 mw/cm^2 . Based on exposure limitations for a controlled environment, <0.1% of the allowable ANSI limit is reached at 2.0 meters above the ground. For the uncontrolled environment, <0.1% of the limit is reached at 2.0 meters above the ground.

Combining the contributions of the WAXX STA, WUEC, WQOW, and W50EI-LD, a total of less than 14.5% of the level for uncontrolled environments is reached at the base of the tower. Therefore, the proposed WAXX STA is believed to be in compliance with the radio frequency radiation exposure limits, as required by the Federal Communications Commission. Further, Maverick will insure that warning signs are posted in the vicinity of the tower warning of potential radio frequency radiation hazards at the site. In addition, Maverick will reduce the power of the facility or cease operation, in cooperation and coordination with other tower users, as necessary, to protect persons having access to the site, tower or antenna from radio frequency radiation in excess of FCC guidelines.

AFFIDAVIT AND QUALIFICATIONS OF CONSULTANT

State of Georgia)
St. Simons Island) ss:
County of Glynn)

JEFFERSON G. BROCK, being duly sworn, deposes and says that he is an officer of Graham Brock, Inc. Graham Brock has been engaged by Maverick Media of Eau Claire License LLC to prepare the attached Technical Exhibit.

His qualifications are a matter of record before the Federal Communications Commission. He has been active in Broadcast Engineering since 1979.

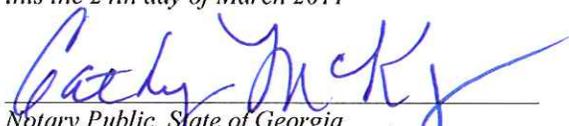
The attached report was either prepared by him or under his direction and all material and exhibits attached hereto are believed to be true and correct.

This the 24th day of March 2011.



Jefferson G. Brock
Affiant

*Sworn to and subscribed before me
this the 24th day of March 2011*



Notary Public, State of Georgia
My Commission Expires: March 14, 2015