

ENGINEERING EXHIBIT
APPLICATION FOR LICENSE
AND
REQUEST FOR PROGRAM TEST AUTHORITY

prepared for
Citadel Broadcasting Company
WHOM(FM) Mt. Washington, New Hampshire
Facility Id 49687
Ch. 235C 20.5 kW 1160 m

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Radiofrequency Exposure Levels

This material supplies a "hard copy" of the engineering portions of this application as entered October 28, 2005 for filing electronically. Since the FCC's electronic filing system may be accessed by anyone with the applicant's name and password, and electronic data may otherwise be altered in an unauthorized fashion, we cannot be responsible for changes made subsequent to our entry of this data and related attachments.

Exhibit 10 - Statement A
COMPLIANCE WITH SPECIAL OPERATING CONDITIONS
prepared for
Citadel Broadcasting Company
WHOM(FM) Mt. Washington, New Hampshire
Facility Id 49687
Ch. 235C 20.5 kW 1160 m

Citadel Broadcasting Company (“*Citadel*”) has completed the construction related to the WHOM(FM) auxiliary antenna facility, as authorized in its construction permit (“CP” file number BXPB-20040301ABL). Upon review of the instant application by Commission staff, *Citadel* respectfully requests program test authority (as automatic program test authority was not permitted in this case) and subsequent issuance of a license to cover the construction. This statement and attachment is provided to show compliance with the CP and associated special operating conditions.

Radiofrequency electromagnetic measurements of the Mt. Washington, NH transmitter site were conducted on behalf of *Citadel*. The results of this study, provided herein as **Attachment 1**, show that no ground-level locations were found that exceed FCC general population exposure guidelines.

Citadel will continue to coordinate with other users of the Mt. Washington site and participate in a site exposure policy, which protects maintenance workers from excessive exposure when work must be performed on the tower or nearby towers in areas where high RF levels may be present. Such protective measures may include, but are not limited to, restriction of access to areas where levels in excess of the guidelines may be expected, power reduction, operating from auxiliary antenna facilities, or the complete shutdown of facilities when work or inspections must be performed in areas where the exposure guidelines would otherwise be exceeded. Appropriate RF exposure warning signs will continue to be posted.

In conclusion, the constructed facility complies with the underlying CP and all associated special operating conditions.

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ENGINEERING REPORT
ON
RADIOFREQUENCY EXPOSURE LEVELS
WHOM(FM)- AUXILIARY ANTENNA
MOUNT WASHINGTON, NH

August 2004

PURPOSE AND SCOPE

The measurements described in this report were conducted to determine if the new WHOM(FM) auxiliary antenna complies with Federal Guidelines regarding human exposure to Non-ionizing Radio Frequency Radiation.

F.C.C. LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE

The Federal Communications Commission has adopted exposure guidelines based upon the standards put forth by the American National Standards Institute ("ANSI") in their document ANSI/IEEE C95.1-1992. ANSI establishes two tiers of recommended limits, one for the general population and another for occupational exposure. General population limits apply in uncontrolled areas and occupational limits apply in controlled areas. Both limits are frequency dependent and are based upon time averaging. The limits are:

(A) Limits for Occupational/Controlled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm ²) | Averaging Time (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|---|--------------------------|
| 0.3-3.0 | 614 | 1.63 | 100 | 6 |
| 3.0-30 | 1842/f | 4.89/f | 900/f ² | 6 |
| 30-300 | 61.4 | 0.163 | 1.0 | 6 |
| 300-1500 | -- | -- | f/300 | 6 |
| 1500-100,000 | -- | -- | 5 | 6 |

f = frequency in MHz

(B) Limits for General Population/Uncontrolled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm ²) | Averaging Time (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|---|--------------------------|
| 0.3-3.0 | 614 | 1.63 | 100 | 30 |
| 3.0-30 | 824/f | 2.19/f | 180/f ² | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1500 | -- | -- | f/1500 | 30 |
| 1500-100,000 | -- | -- | 1.0 | 30 |

f = frequency in MHz

PROCEDURE

Measurements of the radio frequency fields atop Mount Washington were conducted by the undersigned following installation of a new auxiliary antenna for WHOM(FM). The measurements were conducted on August 3, 2004 while all co-located transmitting equipment was operating at normal levels. The WHOM(FM) auxiliary antenna was operated with an ERP of 20.5 kW during the measurements. Measurements were made using a Holaday Instruments HI-3001 Field Intensity Meter. This instrument has a flat frequency response over the frequency band of interest and presents a measurement of field strength in V^2/m^2 for the sum of the entire spectrum. The minimum field necessary to cause a deflection of the instrument meter is $1 V^2/m^2$. This minimum field is equivalent to $0.00027 mW/cm^2$ or 0.135% of general population exposure limit of $0.200 mW/cm^2$ at the frequency of interest of 94.9 MHz.

MEASUREMENT RESULTS

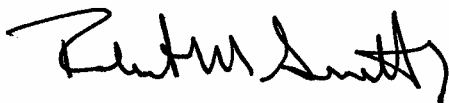
| <u>Measurement Location</u> | <u>Field (V^2/m^2)</u> | <u>% of Limit</u> |
|---|--|--------------------------|
| Platform of new WHOM transmitter building | <500 | <67% |
| In and around entrance to Stage Office | 200-350 | <47% |
| In Stage parking area | 350-500 | <67% |
| At end of Cog Railway track | 200-250 | <34% |
| In open area between Stage Office and Tip Top House | 300-400 | <53% |
| Base of Tip Top House stairs | 400-500 | <67% |
| On platform at entrance to Tip Top House | 400-500 | <67% |
| In temporary generator shed | 100-250 | <34% |
| In Yankee building | 20-100 | <14% |
| Around base of WPKQ tower | 300-600 | <80% |
| Adams Building observation deck | 20-80 | <11% |
| Adams Building observation deck near steel frame | 100-300 | <40% |
| At summit of mountain | 100-300 | <40% |
| Inside Adams Building (ground floor) | 20-100 | <14% |
| At rear of WHOM building | 200-500 | <67% |
| At Cog Railway loading platform | 100-300 | <40% |
| Around base of WHOM main antenna tower | 100-200 | <27% |
| Around base of WHOM auxiliary antenna tower | 300-400 | <53% |

CONCLUSIONS

The results of this study show that at all measurement locations in the area of and around the summit of Mount Washington, the RF field density generated by the proposed operation of the WHOM(FM) auxiliary is below all existing general population exposure guidelines.

CERTIFICATION

I, Robert M. Smith Jr., of Port St. Lucie, Florida, do hereby certify that I personally conducted the calculations contained in this Report. All of the data and calculations are true and correct to the best of my knowledge and belief.



Robert M. Smith Jr.