

WQHT
Channel 246B
Facility ID No. 19615
New York, NY

Exhibit 35
FCC Form 301, Section III-B
Comprehensive Technical Exhibit

WQHT

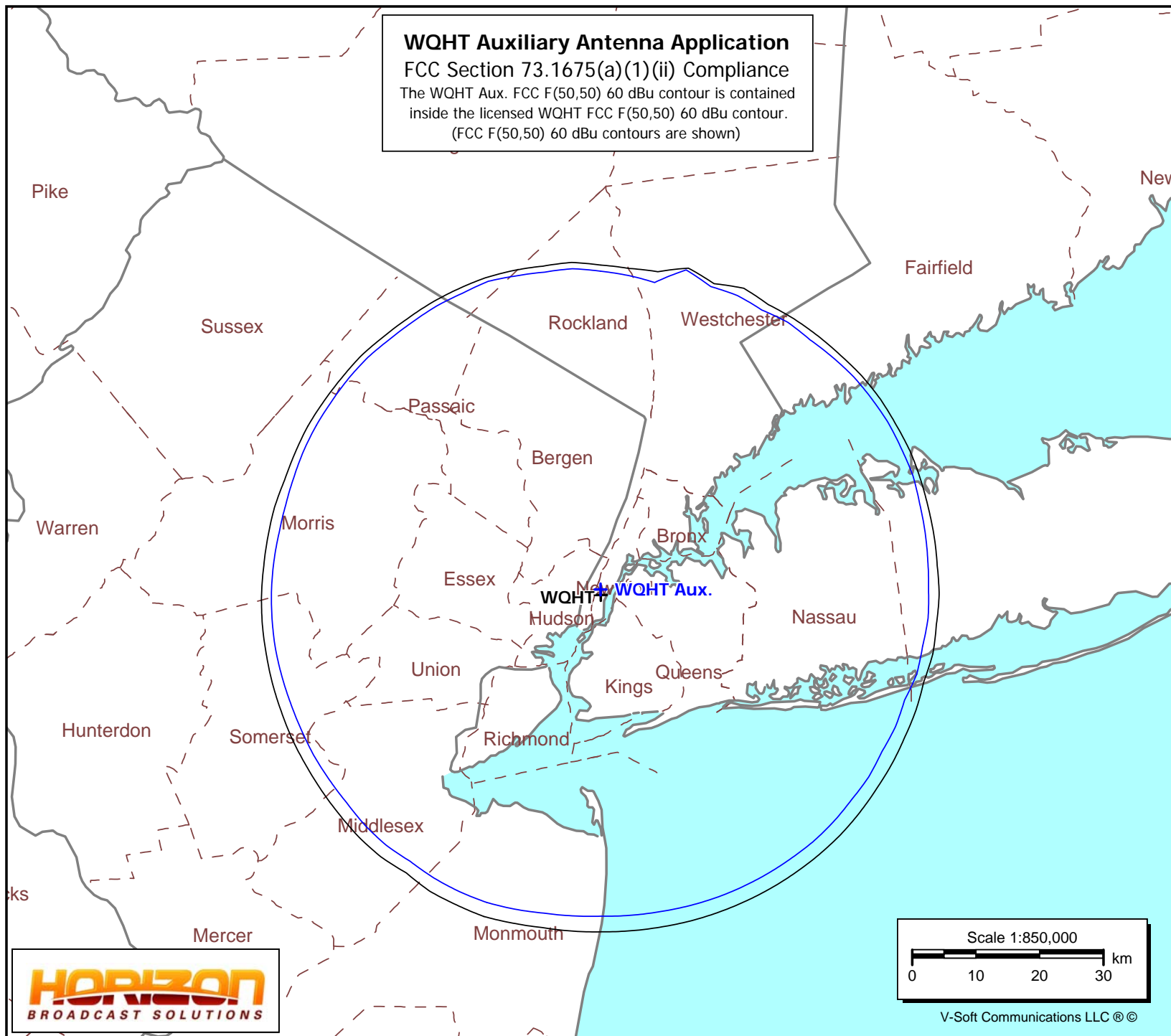
New York, NY
BMLH20050215AAH
Latitude: 40-44-54 N
Longitude: 073-59-10 W
ERP: 6.70 kW
HAAT: 408.0 m
Channel: 246
Frequency: 97.1 MHz
AMSL Height: 422.0 m
Elevation: 15.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

WQHT Aux.

New York, NY
Latitude: 40-45-22 N
Longitude: 073-59-12 W
ERP: 13.00 kW
HAAT: 282 m
Channel: 246
Frequency: 97.1 MHz
AMSL Height: 297.2 m
Elevation: 15.2 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

WQHT Auxiliary Antenna Application**FCC Section 73.1675(a)(1)(ii) Compliance**

The WQHT Aux. FCC F(50,50) 60 dBu contour is contained inside the licensed WQHT FCC F(50,50) 60 dBu contour.
(FCC F(50,50) 60 dBu contours are shown)



**Human Exposure to Radiofrequency Electromagnetic Field
&
Section 106 Compliance
(Environmental)**

Emmis License Corporation of New York licensee of WQHT, Channel 246B (97.1 MHz), Facility ID No. 19615, New York, NY is filing an FCC Form 301 minor modification application requesting an auxiliary license for WQHT. The proposed facility would operate from an existing communications site. The site is registered with Antenna Registration Number 1238745. This application is excluded from environmental processing as defined in 47C.F.R. 1.1306, and 1.1307, as it is merely to connect to an existing master antenna on an existing structure for auxiliary purposes. No other changes to the site will be made as a result of a grant of this application. Therefore it is believed that this proposed facility is exempt from a Section 106 review by the SHPO/THPO. The proposed WQHT Channel 298B facility transmitting antenna will be a side Shively 6016-3/4 special 7 section, 0.5 wave spaced panel type antenna with a center of radiation at 282 meters AGL mounted on a mast atop the 4 Times Square building. This site is considered a multiple user site, as there are a number of other licensees on the same antenna and several television licensees on an antenna mounted higher on the same support structure. The coordinates for this structure in NAD 27 datum are: 40°-45'-22" North Latitude 73°-59'-12" West Longitude. The proposed facility will operate with 13.0 kW ERP at 282 meters HAAT.

The proposed WQHT operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission's OET Bulletin Number 65. The Shively 6016-3/4 antenna is not included in the recently revised OET FM Model Program. Therefore the antenna was assumed to be a Type 1 "Ring-and-stub, or any type not otherwise described. Using the FM Model for Windows the predicted power density for WQHT near the tower at two meters above ground level attributable to the proposed facility is $0.130 \mu\text{W}/\text{cm}^2$ at 49.5 meters from the tower base, which is 0.065 percent of the general population/uncontrolled maximum permitted exposure limit and 0.0130 percent of the limit for "controlled" environments. This is well below 5% of the maximum level for general population, uncontrolled exposure and exempts the applicant from further study for general population safety level. There is a potential for power density levels at points on the roof to be above the power density level maximum for human exposure from existing licensees.

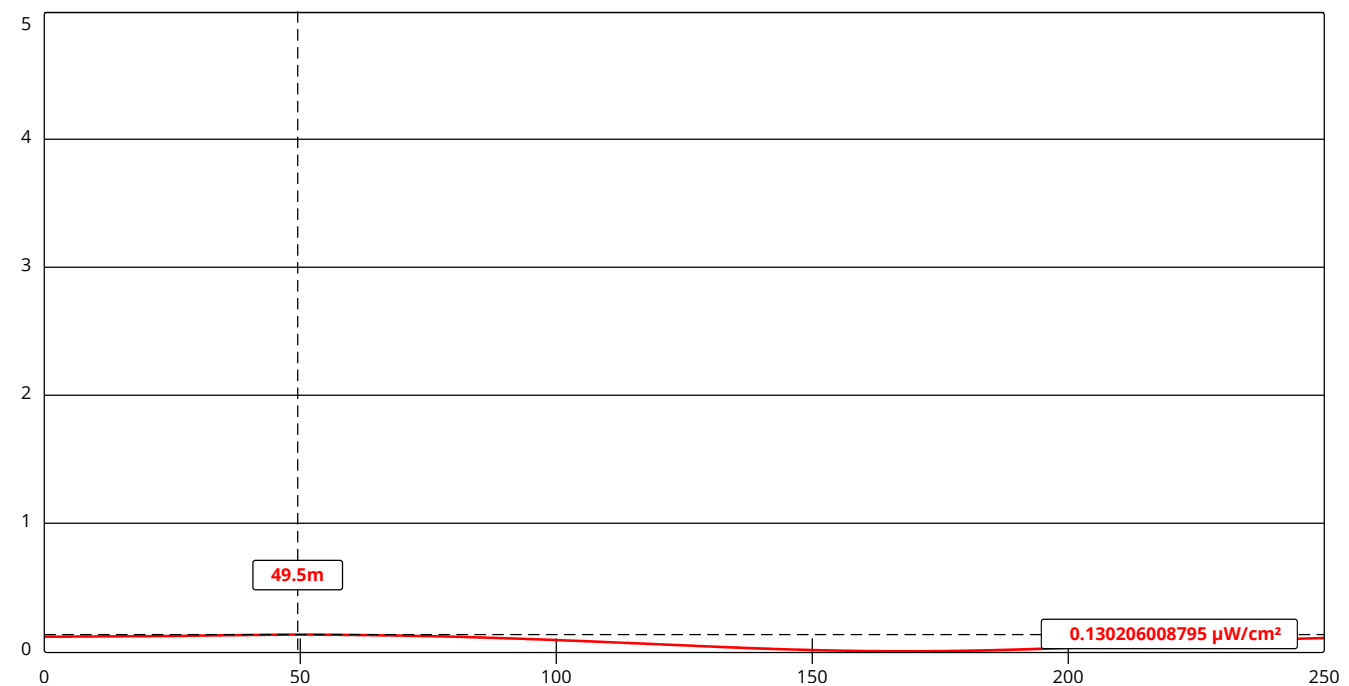
The applicant will cooperate with other users of the site to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission during times of maintenance or inspection. A current RF Safety Program for this site known as The 4 Times Square Conde Nast' Building will be provided by the Durst Organization, owner of the building and will be included as an exhibit with the WQHT FCC Form 302 license application associated with this application.



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FM Model

The FM Model calculator determines the potential exposure from radiofrequency (RF) electromagnetic fields produced by FM broadcast station antennas at ground level. The FM Model software was originally developed by the FCC in 1997 as a standalone executable program and this improved version provides more precise predictions and runs via a JavaScript enabled web browser. The FM Model is originally based on measured data [published in 1985 by the EPA](#) (<http://nepis.epa.gov/Exe/ZyNET.exe/2000ED2W.TXT?ZyActionD=ZyDocument&Client=EPA&Index=1981+Thru+1985&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A\zyfiles\Index%20Data\81thru85\Txt\00000003\2000ED2W.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h|-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=p|f&DefSeekPage=x&SearchBack=ZyActionL&Back=ZyActionS&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL>). [▼ Show More....](#)



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| | | | |
|--------------------------------|--|---------------------|-------|
| Channel Selection | Channel 246 (97.1 MHz) ▼ | | |
| Antenna Type + | EPA Type 1: Ring-and-Stub or "Other" ▼ | | |
| Height (m) | 282 | Distance (m) | 250 |
| ERP-H (W) | 13000 | ERP-V (W) | 13000 |
| Num of Elements | 7 | Element Spacing (λ) | 0.5 |
| Num of Points | 500 | Apply | |