

ENGINEERING STATEMENT
RE DTV BROADCAST ENGINEERING DATA
APPLICATION FOR CONSTRUCTION PERMIT
ON BEHALF OF
WEST VIRGINIA MEDIA HOLDINGS LLC
WOWK-DT, HUNTINGTON, WEST VIRGINIA
CHANNEL 13 6.9 KW ERP 414 METERS HAAT

MARCH 2008

COHEN, DIPPELL AND EVERIST, P.C.
CONSULTING ENGINEERS
RADIO AND TELEVISION
WASHINGTON, D.C.

COHEN, DIPPELL AND EVERIST, P. C.

City of Washington)
) ss
District of Columbia)

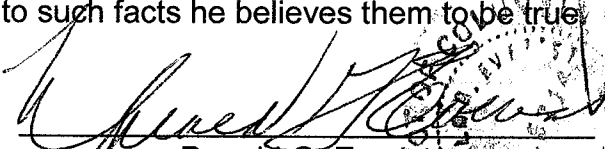
Donald G. Everist, being duly sworn upon his oath, deposes and states that:

He is a graduate electrical engineer, a Registered Professional Engineer in the District of Columbia, and is President, Secretary and Treasurer of Cohen, Dippell and Everist, P.C., Consulting Engineers, Radio - Television, with offices at 1300 L Street, N.W., Suite 1100, Washington, D.C. 20005;

That his qualifications are a matter of record in the Federal Communications Commission;

That the attached engineering report was prepared by him or under his supervision and direction and

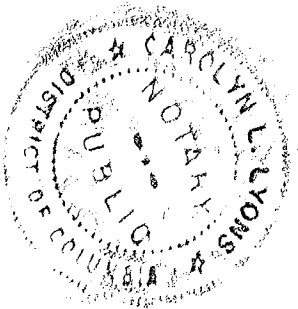
That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.


Donald G. Everist
District of Columbia
Professional Engineer
Registration No. 5714

Subscribed and sworn to before me this 14th day of March, 2008.


Notary Public

My Commission Expires: 2/28/2013



COHEN, DIPPELL AND EVERIST, P. C.


City of Washington)
) ss
District of Columbia)

Martin R. Doczkat being duly sworn upon his oath, deposes and states that:

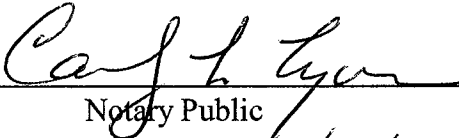
He is a graduate electrical engineer of the Pennsylvania State University, and is a staff engineer at Cohen, Dippell and Everist, P.C., Consulting Engineers, Radio - Television, with offices at 1300 L Street, N.W., Suite 1100, Washington, D.C. 20005;

That the attached engineering report was prepared by him or under his supervision and direction and

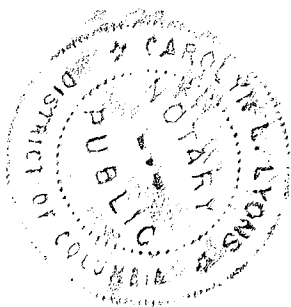
That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.


Martin R. Doczkat

Subscribed and sworn to before me this 14th day of March, 2008.


Notary Public

My Commission Expires: 2/28/2013



Summary

This engineering statement has been prepared on behalf of West Virginia Media Holdings LLC, licensee of television station WOWK (NTSC Channel 13/pre-transition DTV Channel 47/DTV Table-Appendix B post-transition DTV Channel 13), Huntington, West Virginia in support of an application for modification of construction permit to specify post-transition digital facilities on the channel allotted by the DTV Table-Appendix B.¹ The application proposes to regularize the azimuth pattern of the allotted Appendix B facilities, using 6.9 kW effective radiated power (“ERP”) non-directional, to enable the station to utilize, for post-transition digital operation, the antenna currently used in the station’s NTSC operation and to sufficiently replicate the station’s currently licensed NTSC Grade B service to qualify for expedited processing in accordance with the provisions of Paragraph 140 of the Third Periodic Review Report and Order.²

Detailed Discussion

WOWK-TV is licensed to operate on NTSC television Channel 13 with a maximum visual effective radiated power (“ERP”) of 114.8 kW and an antenna height above average terrain (“HAAT”) of 414 meters (1358 feet). WOWK-DT has been allocated DTV Channel 13 with facilities of 16 kW directional and HAAT of 396 meters in the revised DTV Table of Allotments.³

¹In the Matter of Advanced Television Systems and Their Impact Upon the Existing Television Broadcast Service”, MM Docket 87-268, Memorandum Opinion and Order on Reconsideration of the Seventh Report and Order and Eighth Report and Order (FCC 08-72) Released March 6, 2008

²In the Matter of Third Periodic Review of the Commission’s Rules and Policies Affecting the Conversion to Digital Television”, MB Docket No. 07-91, Report and Order (FCC 07-228), Released December 31, 2007.

³Ibid.

WOWK-DT proposes to construct DTV facilities of 6.9 kW non-directional at a HAAT of 414 meters. These facilities essentially match the current Grade B contour.

Expedited Processing

Summary

The subject proposal meets the provisions of Paragraph 140 of the Third Periodic Review Report and Order.⁴

- (1) The application does not seek to expand the station's facilities beyond its final post-transition DTV Table-Appendix B facilities.
- (2) The application specifies facilities that match or closely approximate the DTV Table Appendix B facilities.
- (3) The application is filed within 45 days of the effective date of the Third Periodic Review Report and Order.

An allocation study from the proposed site was not performed as the predicted F(50,90) 36 dBu contour of the proposed DTV facilities at the currently authorized site fits entirely within the predicted F(50,90) 36 dBu contour of the station's DTV Table-Appendix B facilities. The proposed operation essentially replicates the Grade B contour of the station's current analog service area, although power reduction was required from the DTV Table -Appendix B allotment in order for WOWK-DT to use, post-transition, the antenna currently used in the station's current analog operation. Based on 2000 U.S. Census population data, the proposed operation is predicted to serve

⁴Ibid .

975,134 persons in the area of 25,901 square kilometers, which is 95.1% of the population (1,025,000) predicted to be served by the station's DTV Table-Appendix B facilities.

Proposed DTV Operation

The antenna for the post-transition operation of WOWK-DT will be located on the existing tower on which the antenna used for the NTSC operation of WOWK-TV is currently top-mounted. The existing tower has a total overall structure height above ground of 353.3 meters (1159 feet). The existing transmitter site is located at Barkers Ridge Road, Ona, West Virginia. There are no AM stations located within 3.2 km of the antenna site. There is one FM and no other full service DTV facilities within 100 meters.

Since there is no change in overall height, FAA airspace approval is not required. The antenna structure registration number of the existing tower is 1234025. Exhibit E-2 is a vertical sketch of the existing tower and the proposed transmitting antenna.

The geographic coordinates of the proposed site are as follows:

North Latitude: 38° 30' 20"

West Longitude: 82° 12' 32"

NAD-27

Equipment Data

| | |
|--------------------|--|
| Antenna: | RCA, Model TW-9A13-R (or equivalent) antenna with 0.7° electrical beam tilt. The vertical plane pattern and other exhibits required by Section 73.625(c) are herein included as Exhibit E-3. |
| Transmission Line: | 326.1 meters (1070 ft) of Dielectric, Type 6-1/8" rigid, 75 ohm and 14.3 meters, 6-1/8" rigid, 50 ohm transmission line or equivalent |

Power Data

| | | |
|---|----------|-----------|
| Transmitter output | 0.916 kW | -0.38 dBk |
| Combiner efficiency/loss | | |
| Total Transmission line efficiency/loss | 83.8% | 0.77 dB |
| Input power to the antenna | 0.767 kW | -1.15 dBk |
| Antenna power gain, Main Lobe | 9 | 9.54 dB |
| Effective Radiated Power, Maximum | 6.90 kW | 8.39 dBk |

Elevation Data
(unchanged)

| | |
|--|-----------------------------|
| Vertical dimension for Channel 13 antenna | 19.8 meters 65 feet |
| Overall height above ground of the existing antenna structure (including beacon and lightning rod) | 353.3 meters 1159 feet |
| Center of radiation of Channel 13 antenna above ground | 343.1 meters 1125.5 feet |
| Elevation of site above mean sea level | 296.2 meters 972 feet |
| Center of radiation of Channel 13 antenna above mean sea level | 639.3 meters 2097.5 feet |
| Overall height above mean sea level of existing tower and stacked antenna (including beacon) | 649.5 meters 2131 feet |
| Antenna height above average terrain | 414 meters |

Note: Slight height differences may result due to conversion to metric.

Allocation

An allocation study from the proposed site has not been performed since the proposed DTV facilities does not exceed that listed in Appendix B.

Coverage

The average elevation data for 3.2 to 16.1 km along each radial are based upon the 3-second NGDC terrain data. This 3-second NGDC profile data conforms very closely to the terrain information of that determined by using the 7.5 minute topographic maps on file at the Commission.

The F(50,90) DTV coverage contour has been computed from reference to the propagation data for Channels 7-13, as published by the FCC in Figure 10 and Figure 10a, Section 73.699 of the FCC Rules and Regulations.

Utilizing the formula in Section 73.625(b)(2) of the Rules for the effective heights, it is found that the depression angle, A_h , varies from 0.54 to 0.58 degrees. Since the relative vertical field is greater than 90% of the maximum at these depression angles, the maximum power was used in determining the distance to the DTV contour.

Table I includes the distances to the 43 and 36 dBu F(50,90) coverage contours, the average elevation 3.2 to 16.1 km, and the antenna height above average terrain for the eight radials. Exhibit E-4 provides the 43 and 36 dBu F(50,90) coverage contours and demonstrates that the community of license is covered by the F(50,90) 43 dBu contour.

Other Licensed and Broadcast Facilities

FM Station WAMX(FM) is the only FM station located within 100 meters of the site and no other full-service DTV facilities are located within 100 meters of the site.

There are no AM stations located within 3.2 km of the existing WOWK-DT site. No adverse technical effect is anticipated by the move of the DTV operation to the NTSC antenna and its operation to any other FCC licensed facility. If required, the licensee of WOWK-DT will install filters or take other measures as necessary to resolve any problem.

Radio Astronomy

The WOWK-DT site is outside the Greenbank, West Virginia, Radio Astronomy Notification Zone [Section 1030(a)(1)] defined as a rectangle (NAD-27) with the northwest corner at 39° 15' 00" North Latitude, 80° 30' 00," West Longitude and southeast corner at 37° 30' 00" North Latitude, 78° 30' 00" West Longitude.

Total Radiofrequency Field Levels at WOWK-DT Tower Site

The total percentage of radiofrequency field levels ("RFF") can be calculated by combining the percentage contribution of each station.

This section evaluates the RFF exposure condition created by the operation of the proposed WOWK-DT operation and WAMX(FM). According to the FCC database, there are no other stations located within 500 meters.

For DTV, Channel 13, WOWK-TV will use its existing RCA, Type TW-9A13-R. The antenna manufacturer's data indicates that the elevation pattern for the antenna shows a maximum

relative field of less than 0.1 towards the ground in the vicinity of the tower. The RFF level is calculated using this relative field factor and the procedures prescribed in OET Bulletin No. 65 at 6.9 kW and a radiation center of 343.1 meters above ground. The maximum resulting RFF existing two meters above the base of the tower is computed to be less than 1 $\mu\text{W}/\text{sq. cm}$. This is less than 0.5% of the 200 $\mu\text{W}/\text{sq. cm}$ RFF exposure guideline for the general population.

WAMX(FM) specifies 1.65 kW for both horizontal and vertical polarization. Assuming the maximum relative field value of 1.0 toward the ground and the procedures described above, the maximum RFF contribution of the FM antenna 2 meters above the tower base is calculated to be less than 0.02 $\mu\text{W}/\text{sq. cm}$ or less than 0.1% of the 200 $\mu\text{W}/\text{sq. cm}$ RFF exposure guidelines for the general population.

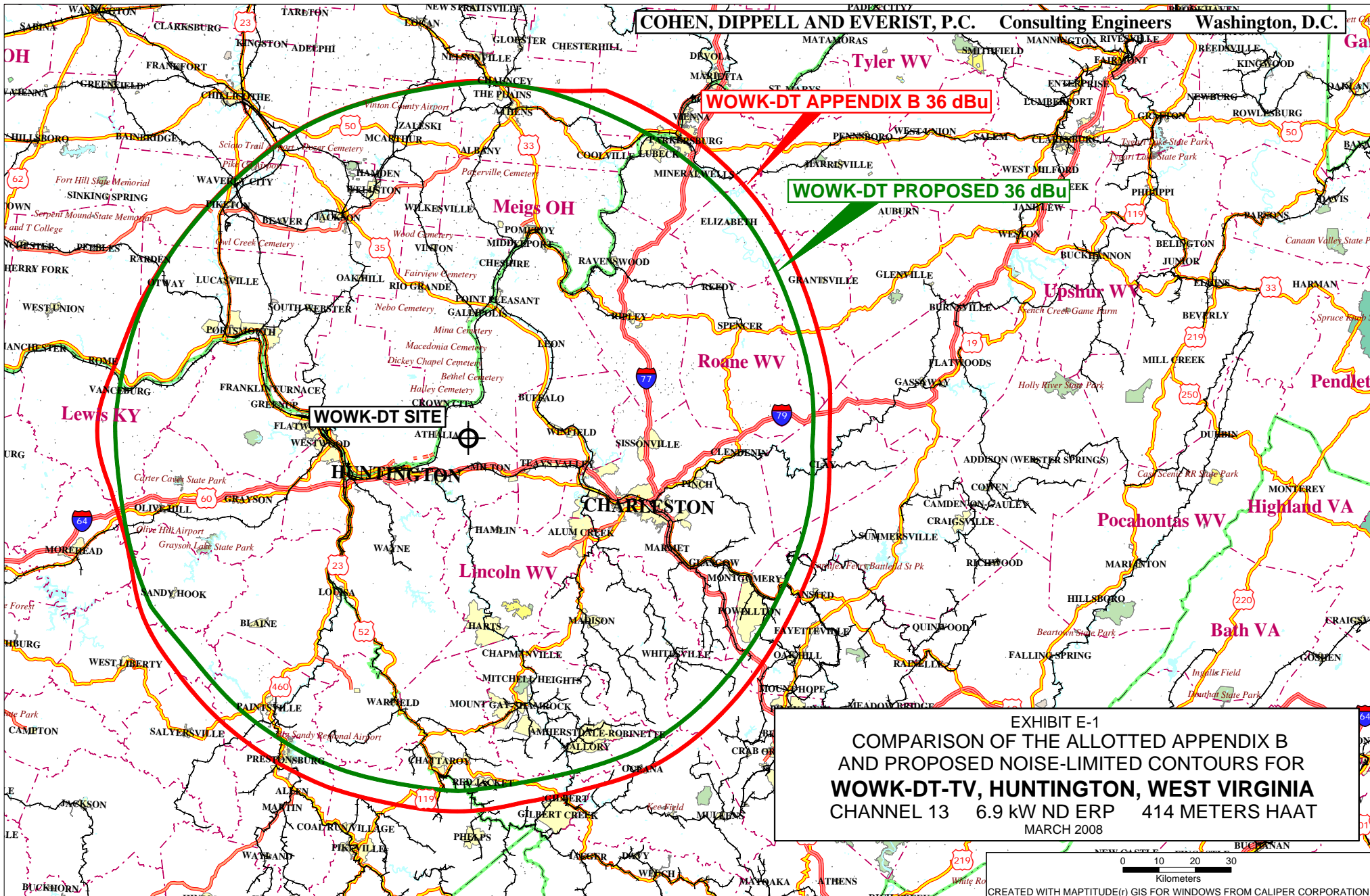
The total contribution by the proposed DTV operation, and the FM at 2 meters above ground level is less than one percent of the current FCC guidelines for general population exposure. Authorized personnel and rigging contractors will be alerted to the potential zone of high field levels on the tower, and if necessary, the station will operate with reduced power or terminate the operation of the transmitter as appropriate when it is necessary for authorized personnel or contractors to perform work on the tower. Workers and the general public, therefore, will not be subjected to RFF levels in excess of the current FCC guidelines.

Environmental Assessment

An environmental assessment ("EA") is categorically excluded under Section 1.1306 of the FCC Rules and Regulations as the tower was constructed prior to the requirements specified in WT

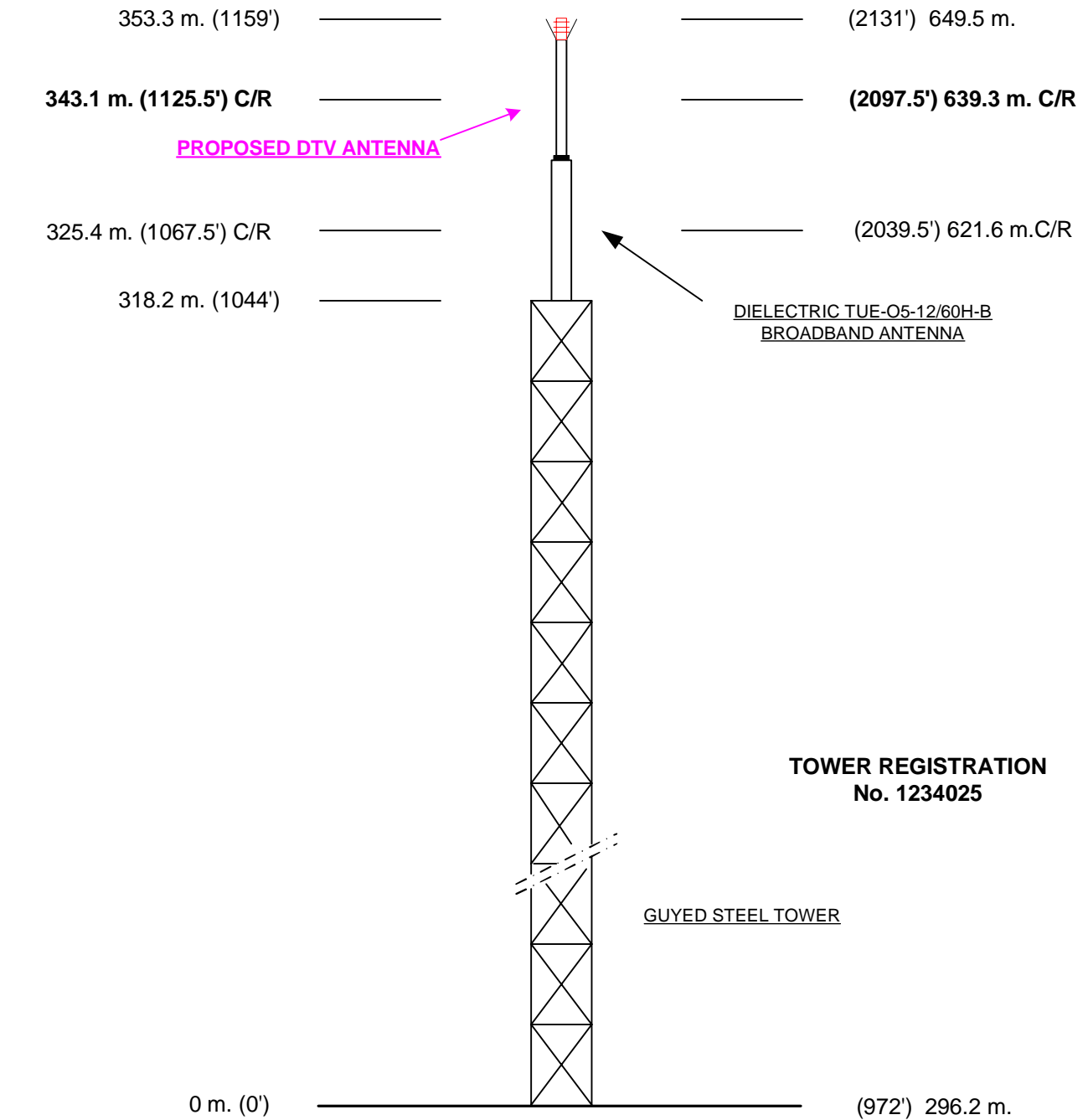
Docket No. 03-128, the height of the existing tower will not be increased, and the licensee indicates:

- (a)(1) The existing tower is not located in an officially designated wilderness area.
- (a)(2) The existing tower is not located in an officially designated wildlife preserve.
- (a)(3) The proposed facilities will not affect any listed threatened or endangered species or habitats.
- (a)(3)(ii) The proposed facilities will not jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats.
- (a)(4) The proposed facilities located on a tower which was built prior to the adoption of WT Docket No. 03-128 and is grandfathered and has not affected any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering, or culture.
- (a)(5) The existing tower is not located near any known Indian religious sites.
- (a)(6) The existing tower is not located in a flood plain.
- (a)(7) The installation of the DTV facilities on an existing guyed tower will not involve a significant change in surface features of the ground in the vicinity of the tower.
- (a)(8) It is not proposed to change the current lighting.
- (b) Workers and the general public will not be subjected to RFF levels in excess of the current FCC guidelines contained in OET Bulletin No. 65, Edition 97-01, dated August 1997 and Supplement A.



ABOVE GROUND

ABOVE MEAN SEA LEVEL



NOT TO SCALE

EXHIBIT E - 2
VERTICAL SKETCH
FOR THE PROPOSED OPERATION OF
WOWK-DT, HUNTINGTON, WEST VIRGINIA
MARCH 2008

COHEN, DIPPELL AND EVERIST, P.C. Consulting Engineers Washington, D.C.

COHEN, DIPPELL AND EVERIST, P.C.

EXHIBIT E-3

ANTENNA MANUFACTURER DATA

WOWK-DT, HUNTINGTON, WEST VIRGINIA



Proposal Number

Revision

Date

23 Apr 2002

Call Letters

WOWK

Channel

13

Location

Huntington, WV

Customer

Antenna Type

TW-9A13-R**ELEVATION PATTERN**

RMS Gain at Main Lobe

9.0 (9.54 dB)

Beam Tilt

0.70 Degrees

RMS Gain at Horizontal

8.6 (9.34 dB)

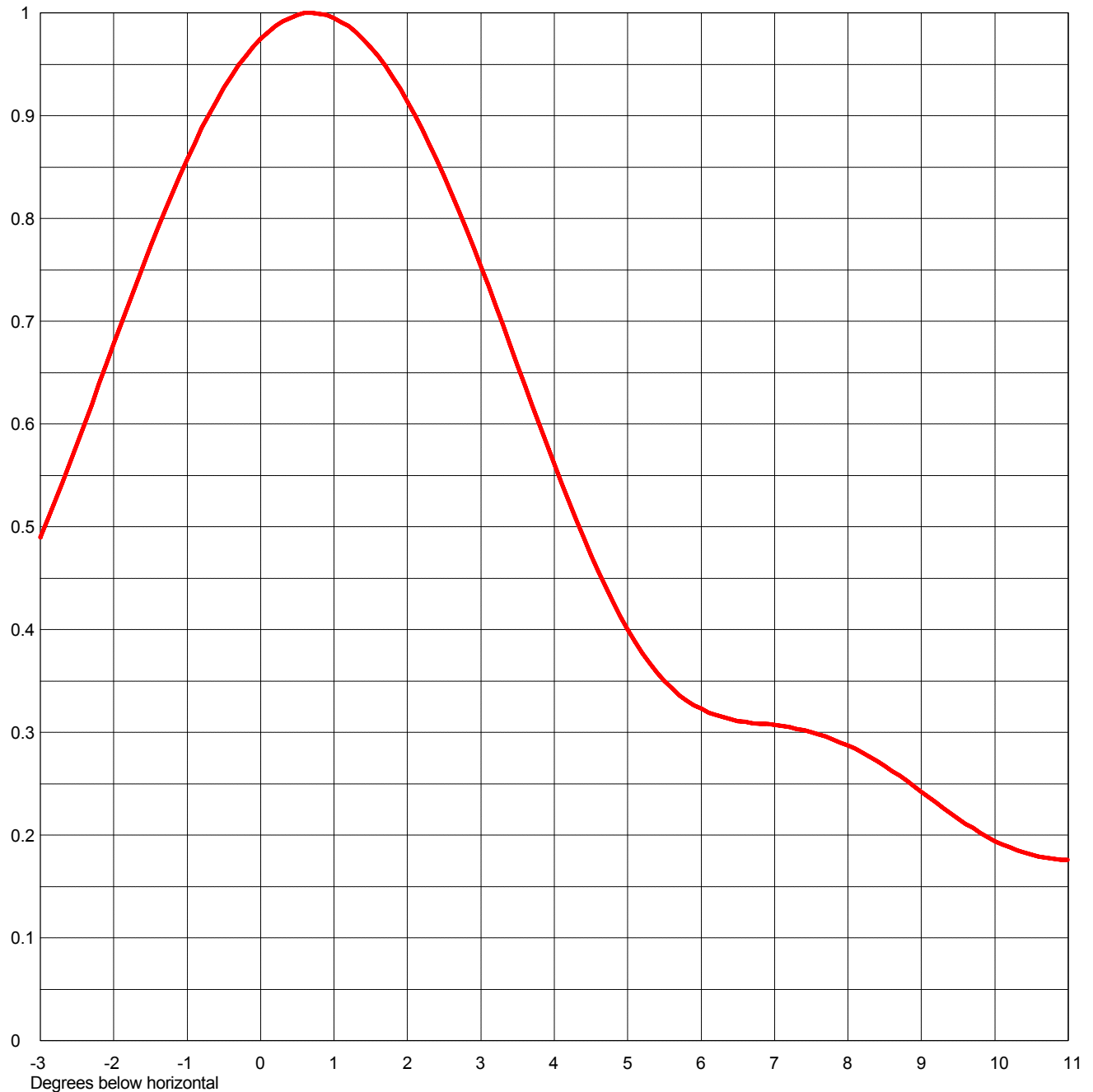
Frequency

213.00 MHz

Calculated / Measured

Calculated

Drawing #

24W090070

Remarks:



Proposal Number

Revision

Date

23 Apr 2002

Call Letters

WOWK

Channel

13

Location

Huntington, WV

Customer

Antenna Type

TW-9A13-R**ELEVATION PATTERN**

RMS Gain at Main Lobe

9.0 (9.54 dB)

Beam Tilt

0.70 Degrees

RMS Gain at Horizontal

8.6 (9.34 dB)

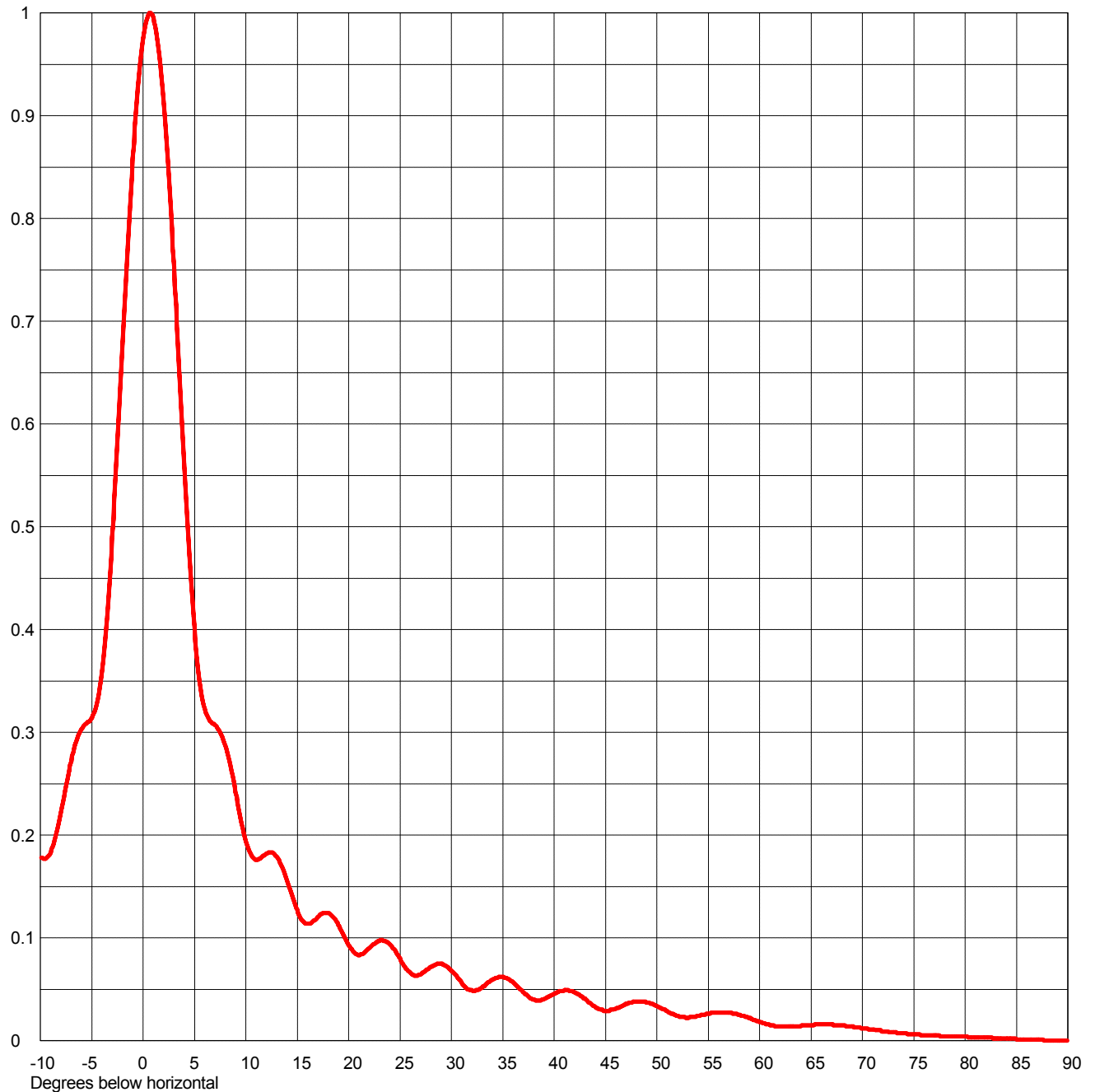
Frequency

213.00 MHz

Calculated / Measured

Calculated

Drawing #

24W090070

Remarks:



Proposal Number
 Date **23 Apr 2002**
 Call Letters **WOWK** Channel **13**
 Location **Huntington, WV**
 Customer
 Antenna Type **TW-9A13-R**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **24W090070**

| Angle | Field | Angle | Field | Angle | Field | Angle | Field | Angle | Field | Angle | Field |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -10.0 | 0.179 | 2.4 | 0.857 | 10.6 | 0.179 | 30.5 | 0.063 | 51.0 | 0.029 | 71.5 | 0.010 |
| -9.5 | 0.177 | 2.6 | 0.824 | 10.8 | 0.177 | 31.0 | 0.056 | 51.5 | 0.026 | 72.0 | 0.009 |
| -9.0 | 0.183 | 2.8 | 0.790 | 11.0 | 0.176 | 31.5 | 0.051 | 52.0 | 0.024 | 72.5 | 0.009 |
| -8.5 | 0.199 | 3.0 | 0.753 | 11.5 | 0.178 | 32.0 | 0.049 | 52.5 | 0.023 | 73.0 | 0.008 |
| -8.0 | 0.222 | 3.2 | 0.715 | 12.0 | 0.182 | 32.5 | 0.049 | 53.0 | 0.022 | 73.5 | 0.007 |
| -7.5 | 0.248 | 3.4 | 0.677 | 12.5 | 0.183 | 33.0 | 0.052 | 53.5 | 0.023 | 74.0 | 0.007 |
| -7.0 | 0.272 | 3.6 | 0.638 | 13.0 | 0.179 | 33.5 | 0.056 | 54.0 | 0.024 | 74.5 | 0.006 |
| -6.5 | 0.291 | 3.8 | 0.599 | 13.5 | 0.170 | 34.0 | 0.059 | 54.5 | 0.025 | 75.0 | 0.006 |
| -6.0 | 0.303 | 4.0 | 0.561 | 14.0 | 0.156 | 34.5 | 0.061 | 55.0 | 0.026 | 75.5 | 0.006 |
| -5.5 | 0.309 | 4.2 | 0.524 | 14.5 | 0.141 | 35.0 | 0.062 | 55.5 | 0.027 | 76.0 | 0.005 |
| -5.0 | 0.314 | 4.4 | 0.489 | 15.0 | 0.127 | 35.5 | 0.060 | 56.0 | 0.027 | 76.5 | 0.005 |
| -4.5 | 0.327 | 4.6 | 0.456 | 15.5 | 0.117 | 36.0 | 0.057 | 56.5 | 0.027 | 77.0 | 0.005 |
| -4.0 | 0.359 | 4.8 | 0.427 | 16.0 | 0.114 | 36.5 | 0.052 | 57.0 | 0.027 | 77.5 | 0.005 |
| -3.5 | 0.413 | 5.0 | 0.400 | 16.5 | 0.116 | 37.0 | 0.047 | 57.5 | 0.026 | 78.0 | 0.004 |
| -3.0 | 0.490 | 5.2 | 0.377 | 17.0 | 0.120 | 37.5 | 0.043 | 58.0 | 0.025 | 78.5 | 0.004 |
| -2.8 | 0.525 | 5.4 | 0.358 | 17.5 | 0.124 | 38.0 | 0.040 | 58.5 | 0.024 | 79.0 | 0.004 |
| -2.6 | 0.562 | 5.6 | 0.343 | 18.0 | 0.124 | 38.5 | 0.039 | 59.0 | 0.022 | 79.5 | 0.004 |
| -2.4 | 0.600 | 5.8 | 0.331 | 18.5 | 0.120 | 39.0 | 0.040 | 59.5 | 0.020 | 80.0 | 0.004 |
| -2.2 | 0.639 | 6.0 | 0.323 | 19.0 | 0.113 | 39.5 | 0.043 | 60.0 | 0.018 | 80.5 | 0.003 |
| -2.0 | 0.678 | 6.2 | 0.317 | 19.5 | 0.103 | 40.0 | 0.045 | 60.5 | 0.017 | 81.0 | 0.003 |
| -1.8 | 0.716 | 6.4 | 0.313 | 20.0 | 0.093 | 40.5 | 0.048 | 61.0 | 0.015 | 81.5 | 0.003 |
| -1.6 | 0.754 | 6.6 | 0.310 | 20.5 | 0.086 | 41.0 | 0.049 | 61.5 | 0.014 | 82.0 | 0.003 |
| -1.4 | 0.791 | 6.8 | 0.308 | 21.0 | 0.083 | 41.5 | 0.048 | 62.0 | 0.014 | 82.5 | 0.003 |
| -1.2 | 0.825 | 7.0 | 0.307 | 21.5 | 0.085 | 42.0 | 0.047 | 62.5 | 0.014 | 83.0 | 0.002 |
| -1.0 | 0.858 | 7.2 | 0.305 | 22.0 | 0.090 | 42.5 | 0.044 | 63.0 | 0.014 | 83.5 | 0.002 |
| -0.8 | 0.888 | 7.4 | 0.302 | 22.5 | 0.094 | 43.0 | 0.041 | 63.5 | 0.014 | 84.0 | 0.002 |
| -0.6 | 0.914 | 7.6 | 0.298 | 23.0 | 0.097 | 43.5 | 0.037 | 64.0 | 0.014 | 84.5 | 0.002 |
| -0.4 | 0.938 | 7.8 | 0.293 | 23.5 | 0.097 | 44.0 | 0.033 | 64.5 | 0.015 | 85.0 | 0.001 |
| -0.2 | 0.958 | 8.0 | 0.287 | 24.0 | 0.094 | 44.5 | 0.030 | 65.0 | 0.015 | 85.5 | 0.001 |
| 0.0 | 0.975 | 8.2 | 0.280 | 24.5 | 0.088 | 45.0 | 0.029 | 65.5 | 0.016 | 86.0 | 0.001 |
| 0.2 | 0.987 | 8.4 | 0.272 | 25.0 | 0.080 | 45.5 | 0.030 | 66.0 | 0.016 | 86.5 | 0.001 |
| 0.4 | 0.995 | 8.6 | 0.262 | 25.5 | 0.072 | 46.0 | 0.031 | 66.5 | 0.016 | 87.0 | 0.001 |
| 0.6 | 1.000 | 8.8 | 0.253 | 26.0 | 0.066 | 46.5 | 0.033 | 67.0 | 0.016 | 87.5 | 0.001 |
| 0.8 | 0.999 | 9.0 | 0.242 | 26.5 | 0.063 | 47.0 | 0.036 | 67.5 | 0.015 | 88.0 | 0.000 |
| 1.0 | 0.995 | 9.2 | 0.232 | 27.0 | 0.064 | 47.5 | 0.037 | 68.0 | 0.015 | 88.5 | 0.000 |
| 1.2 | 0.987 | 9.4 | 0.221 | 27.5 | 0.068 | 48.0 | 0.038 | 68.5 | 0.014 | 89.0 | 0.000 |
| 1.4 | 0.974 | 9.6 | 0.211 | 28.0 | 0.072 | 48.5 | 0.038 | 69.0 | 0.014 | 89.5 | 0.000 |
| 1.6 | 0.958 | 9.8 | 0.202 | 28.5 | 0.074 | 49.0 | 0.037 | 69.5 | 0.013 | 90.0 | 0.000 |
| 1.8 | 0.937 | 10.0 | 0.194 | 29.0 | 0.075 | 49.5 | 0.036 | 70.0 | 0.012 | | |
| 2.0 | 0.914 | 10.2 | 0.188 | 29.5 | 0.073 | 50.0 | 0.034 | 70.5 | 0.012 | | |
| 2.2 | 0.887 | 10.4 | 0.183 | 30.0 | 0.068 | 50.5 | 0.031 | 71.0 | 0.011 | | |

Remarks:

Cohen, Dippell and Everist, P.C.

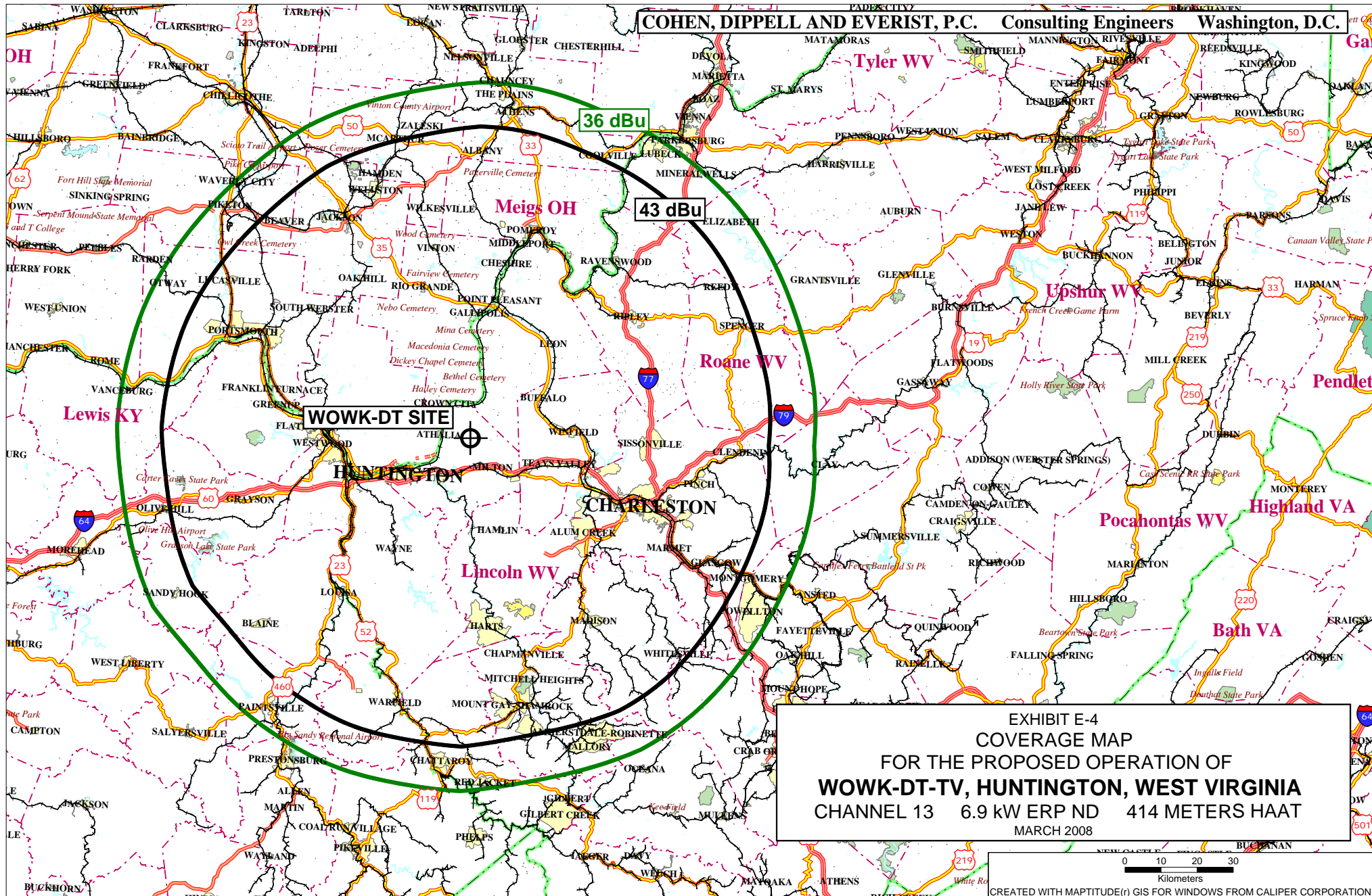
TABLE I
COMPUTED COVERAGE DATA
FOR THE PROPOSED DTV OPERATION OF
WOWK-DT, HUNTINGTON, WEST VIRGINIA
CHANNEL 13 6.9 KW ERP 414 METERS HAAT
MARCH 2008

| <u>Radial</u> <u>Bearing</u> N °E,T | <u>Average*</u> <u>Elevation</u> <u>3.2 to 16.1 km</u> meters | <u>Effective</u> <u>Height</u> meters | <u>Depression</u> <u>Angle</u> | <u>ERP At</u> <u>Radio</u> <u>Horizon</u> kW | <u>Distance to Contour F(50,90)</u> | |
|---|--|---|-----------------------------------|---|--|---|
| | | | | | <u>43 dBu</u> <u>City Grade</u> km | <u>36 dBu</u> <u>Noise-Limited</u> km |
| 0 | 207.4 | 431.9 | 0.576 | 6.900 | 86.3 | 98.6 |
| 45 | 222.2 | 417.1 | 0.566 | 6.900 | 85.3 | 97.7 |
| 90 | 264.3 | 375.0 | 0.536 | 6.900 | 82.5 | 95.0 |
| 135 | 215.0 | 424.3 | 0.571 | 6.900 | 85.8 | 98.1 |
| 180 | 220.7 | 418.6 | 0.567 | 6.900 | 85.4 | 97.8 |
| 225 | 216.2 | 423.1 | 0.570 | 6.900 | 85.7 | 98.0 |
| 270 | 217.3 | 422.0 | 0.569 | 6.900 | 85.7 | 98.0 |
| 315 | 241.8 | 397.5 | 0.552 | 6.900 | 84.0 | 96.5 |
| Average | 225.6 | 413.7 | | | | |

*Based on data from FCC 3-second data base

DTV Channel 13 (210-216 MHz)
Average Elevation 3.2 to 16.1 km 225.6 Meters AMSL
Center of Radiation 639.3 Meters AMSL
Antenna Height Above Average Terrain 413.7 Meters
Effective Radiated Power 6.9 kW (8.39 dBk) Max.

North Latitude: 38° 30' 20"
West Longitude: 82° 12' 32"
(NAD-27)



SECTION III - D - DTV Engineering

Complete Questions 1-5, and provide all data and information for the proposed facility, as requested in Technical Specifications, Items 1-13.

Pre-Transition Certification Checklist: An application concerning a pre-transition channel must complete questions 1(a)-(c), and 2-5. A correct answer of "Yes" to all of the questions will ensure an expeditious grant of a construction pen-nit application to modify pre-transition facilities. However, if the proposed facility is located within the Canadian or Mexican borders, coordination of the proposal under the appropriate treaties may be required prior to grant of the application. An answer of "No" will require additional evaluation of the applicable information in this form before a construction permit can be granted.

Post-Transition Expedited Processing. An application concerning a post-transition channel must complete questions 1(a), (d)-(e), and 2-5. A station applying for a construction permit to build its post-transition channel will receive expedited processing if its application (1) does not seek to expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"); (2) specifies facilities that match or closely approximate those defined in the new DTV Table Appendix B facilities; and (3) is filed within 45 days of the effective date of Section 73.616 of the rules adopted in the Report and Order in the Third DTV Periodic Review proceeding, MB Docket No. 07-91.

1. The proposed DTV facility complies with 47 C.F.R. Section 73.622 in the following respects:
 - (a) It will operate on the DTV channel for this station as established in 47 C.F.R. Section 73.622. ☐ Yes ☐ No
 - (b) It will operate a pre-transition facility from a transmitting antenna located within 5.0 km (3.1 miles) of the DTV reference site for this station as established in 47 C.F.R. Section 73.622. ☐ Yes ☐ No
 - (c) It will operate a pre-transition facility with an effective radiated power (ERP) and antenna height above average terrain (HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622. ☐ Yes ☐ No
 - (d) It will operate at post-transition facilities that do not expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"). ☐ Yes ☐ No
☐ N/A
 - (e) It will operate at post-transition facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the new DTV Table Appendix B. ☐ Yes ☐ No
☐ N/A
2. The proposed facility will not have a significant environmental impact, including exposure of workers or the general public to levels of RIF radiation exceeding the applicable health and safety guidelines, and therefore will not come within 47 C.F.R. Section 1.1307. ☐ Yes ☐ No

Applicant must **submit the Exhibit** called for in Item 13.

3. Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community. ☐ Yes ☐ No
4. The requirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, radio receiving installations and FCC monitoring stations have either been satisfied or are not applicable. ☐ Yes ☐ No
5. The antenna structure to be used by this facility has been registered by the Commission and will not require reregistration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely effect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7. ☐ Yes ☐ No

SECTION III - D DTV Engineering

TECHNICAL SPECIFICATIONS Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1. Channel Number: DTV _____ Analog TV, if any _____
2. Zone: ☐ I ☐ II ☐ III
3. Antenna Location Coordinates: (NAD 27)
- _____ ° _____ ' _____ " ☐ N ☐ S Latitude
_____ ° _____ ' _____ " ☐ E ☐ W Longitude
4. Antenna Structure Registration Number: _____
- ☐ Not applicable ☐ FAA Notification Filed with FAA
5. Antenna Location Site Elevation Above Mean Sea Level: _____ meters
6. Overall Tower Height Above Ground Level: _____ meters
7. Height of Radiation Center Above Ground Level: _____ meters
8. Height of Radiation Center Above Average Terrain: _____ meters
9. Maximum Effective Radiated Power (average power): _____ kW
10. Antenna Specifications:
- a.

| | |
|--------------|-------|
| Manufacturer | Model |
|--------------|-------|
- b. Electrical Beam Tilt: _____ degrees ☐ Not Applicable
- c. Mechanical Beam Tilt: _____ degrees toward azimuth _____ degrees True ☐ Not Applicable
- Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). Exhibit No.
- d. Polarization: ☐ Horizontal ☐ Circular ☐ Elliptical

TECH BOX

e. Directional Antenna Relative Field Values:

☐

Not applicable (Nondirectional)

Rotation: _____

☐

No rotation

| Degree | Value | Degree | Value | Degree | Value | Degree | Value | Degree | Value | Degree | Value |
|---------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 0 | | 60 | | 120 | | 180 | | 240 | | 300 | |
| 10 | | 70 | | 130 | | 190 | | 250 | | 310 | |
| 20 | | 80 | | 140 | | 200 | | 260 | | 320 | |
| 30 | | 90 | | 150 | | 210 | | 270 | | 330 | |
| 40 | | 100 | | 160 | | 220 | | 280 | | 340 | |
| 50 | | 110 | | 170 | | 230 | | 290 | | 350 | |
| Additional Azimuths | | | | | | | | | | | |

If a directional antenna is proposed, the requirements of 47 C.F.R. Section 73.625(c) must be satisfied. **Exhibit required.**

Exhibit No.

11. Does the proposed facility satisfy the pre-transition interference protection provisions of 47 C.F.R. Section 73.623(a) (Applicable only if **Certification Checklist** Items 1(a), (b), or (c) are answered "No.") and/or the post-transition interference protection provisions of 47 C.F.R. Section 73.616?

☐

Yes

☐

No

If "No," attach as an Exhibit justification therefore, including a summary of any related previously granted waivers.

Exhibit No.

12. If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefore. (Applicable only if **Certification Checklist** Item 3 is answered "No.")

Exhibit No.

13. **Environmental Protection Act. Submit in an Exhibit** the following:

Exhibit No.

- a. If **Certification Checklist Item 2** is answered "Yes," a brief explanation of why an Environmental Assessment is not required. Also describe in the Exhibit the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site.

By checking "Yes" to **Certification Checklist Item 2**, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radio frequency electromagnetic exposure in excess of FCC guidelines.

If **Certification Checklist Item 2** is answered "No," an Environmental Assessment as required by 47 C.F.R. Section 1.1311.

PREPARER'S CERTIFICATION IN SECTION III MUST BE COMPLETED AND SIGNED.

13. **Petition for Rulemaking/Counterproposal to Add New FM Channel to FM Table of Allotments.** If the application is being submitted concurrently with a Petition for Rulemaking or Counterproposal to Amend the FM Table of Allotments (47 C.F.R. Section 73.202) to add a new FM channel allotment, petitioner/counter-proponent certifies that, if the FM channel allotment requested is allotted, petitioner/counter-proponent will apply to participate in the auction of the channel allotment requested and specified in this application.

☐ Yes ☐ No ☐ N/A

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in 'good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

| | |
|---|--|
| Typed or Printed Name of Person Signing | Typed or Printed Title of Person Signing |
| Signature | Date |

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

SECTION III PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

| | | |
|--|--|-------------------|
| Name Martin R. Doczkat | Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer | |
| Signature  | Date March 14, 2008 | |
| Mailing Address Cohen, Dippell and Everist, P.C, 1300 L Street, NW Suite 1100 | | |
| City Washington | State or Country (if foreign address) DC | ZIP Code 20005 |
| Telephone Number (include area code) (202) 898-0111 | E-Mail Address (if available) cde@attglobal.net | |

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).