

ENGINEERING STATEMENT
RE DTV BROADCAST ENGINEERING DATA
APPLICATION FOR MODIFICATION OF
CONSTRUCTION PERMIT (BPEDT-20000501AGJ)
WHUT-DT, WASHINGTON, DC
CHANNEL 33 100 KW ERP 254 METERS

APRIL 2003

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

This engineering statement has been prepared in support of an application for modification of outstanding DT construction permit (FCC File No. (BPEDT-20000501AGJ) behalf of Howard University, licensee of WHUT-TV, Washington, DC. The purpose of the application is to specify a slight change in transmitter coordinates and height above average terrain. It is proposed to operate from an existing tower.

WHUT-TV is licensed to operate on NTSC television Channel 32 with a maximum visual effective radiated power of 5000 kW and a HAAT of 213.0 meters (698.8 feet). WHUT-TV has been allocated DTV Channel 33 with facilities of 194.3 kW and HAAT of 213.0 meters in the revised DTV Table of Allotments and has been granted a construction permit with facilities of 100 kW directional and HAAT of 259.9 meters. WHUT-DT proposes to construct DTV facilities of 100 kW (non-directional) at a height above average terrain of 254 meters. These facilities are slightly less than those authorized in Table B.

The DTV antenna will be located on the same tower as WUSA-TV and WJLA-TV operate. There are no AM stations located within 3.2 km of the proposed WHUT-DT tower site. There are numerous FM, NTSC, and full-service DTV facilities within 1 km of the proposed site.

The DTV antenna will be top-mounted on an existing self-supporting tower (Exhibit E-1) having a total overall structure height above ground of 210.9 meters (691.9 feet). The existing transmitter site is located at 4010 Chesapeake St N.W, Washington DC. The registration number for the new tower is 1051670.

The geographic coordinates of the proposed site are as follows:

North Latitude: 38° 57' 01"

West Longitude: 77° 04' 47"

NAD-27

Equipment Data

Antenna: Dielectric, Model TUP-04-12-2 antenna with 0.5° electrical beam tilt. The vertical plane pattern and other exhibits required by Section 73.625(c) are herein included in Exhibits E-2a, E-2b, E-2c, and E-2d.

Transmission Line: 228.6 meters (750 ft) of Dielectric, Type EIA style rigid 8½", 75 ohm or equivalent
See Exhibit E-2

Power Data

Transmitter output	4.82 kW	6.83 dBk
Combiner loss		0.3 dB
Transmission line loss	84.9%	0.71 dB
Input power to the antenna	3.82 kW	5.82 dBk
Antenna power gain, Main Lobe	26.2	14.18 dB
Effective Radiated Power, Maximum	100 kW	20 dBk

Elevation Data

Overall height above ground of the proposed antenna structure (including beacon)	210.9 meters 691.9 feet
Center of radiation of Channel 33 antenna above ground	202.3 meters 663.6 feet

Elevation of site above mean sea level	124.9 meters 409.8 feet
Center of radiation of Channel 33 antenna above mean sea level	327.2 meters 1073.4 feet
Overall height above mean sea level of proposed tower and stacked antenna (including beacon)	335.8 meters 1101.7 feet
Antenna height above average terrain	254 meters

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

Allocation

An allocation study from the proposed site has been performed since the proposed DTV facilities exceed that authorized in Table B.

Interference Analysis

A study of predicted interference caused by the proposed WHUT-DT service has been performed using a version of the Longley-Rice program as described in OET Bulletin No. 69 (July 2, 1997) and the Public Notice, "Additional Application Processing Guidelines for Digital Television (DTV)" (August 1998). The FCC's FORTRAN-77 code was modified only to the extent necessary (primarily input/output handling) for the program to run on a Windows XP [98/Intel] platform. Comparison of service/interference areas and populations indicates that this model closely matches the FCC's evaluation program. Best efforts have been made to use data and calculations identical to the FCC's program. Any slight differences are attributable to compiler, operating system and/or processor characteristics. The effect of any variance in calculated population values versus the FCC's program is minimized when differencing a given

model's results, such as calculating new interference as total interference less baseline interference. Any variance effect is further reduced when using ratios of calculated population values such as measuring the incremental population affected as a percent of the total population served. The model employs the Longley-Rice propagation methodology and evaluates in grid cells of approximately 4 km² using 3-second terrain data sampled approximately every 0.1 km at one degree azimuth intervals with 1990 census centroids.

The FCC Public Notice Dated August 10, 1998 and titled "Additional Application Processing Guidelines for Digital Television" outlines the station selection criteria "culling distances" for considering potential interferes. Stations selected according to these criteria are listed in Table II. All of the potentially affected stations are predicted to receive less than de minimus levels of new interference. Also, none of these stations are covered by more restrictive interference standards due to more than 10% total interference or less than 90% replication.

The above considers all pending, outstanding construction permits and licensed operations abstracted from the FCC engineering database dated January 14, 2003.

Coverage

The average elevation data for 3.2 to 16.1 km along each radial are based on data from FCC topographic map from 1970 data on file (BPCT-4390).

The F(50,90) DTV coverage contour has been computed from reference to the propagation data for Channels 14-69, as published by the FCC in Figure 10b and Figure 10c, 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 0.42 to 0.48 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 48 and 41 dBu F(50,90) coverage contours, the average elevation 3 to 16 km, and the antenna height above average terrain for the eight radials.

Population and Area Data

The population within the predicted DTV coverage contour was determined by employing a computer program using the 1990 census data. The computer program overlaid the 41 dBu contour over the land area in Washington, DC and determined the population within the contour by using the centroids for the pertinent census blocks. A population of 6,782,788 people was determined. The land area of the contour was measured with a polar planimeter using the original map and the predicted F(50,90) 41 dBu contour encompasses 17,673.3 sq. km.

Other Licensed and Broadcast Facilities

No adverse technical effect is anticipated by the proposed DTV operation to any other FCC licensed facility. If required, the permittee will install filters or take other measures as necessary to resolve the problem.

The FCC monitoring station located in Laurel, Maryland, has been notified (Exhibit E-4) and the Commission's Enforcement Bureau has concluded (file LR-30) there will be no problems caused by the proposed facilities.

FCC Rule, Section 1.1307

The proposed 100 kW horizontal operation will utilize a Dielectric, TUP-04-12-2 antenna or the equivalent with a center of radiation above ground of 202.3 meters. The proposed antenna will be top-mounted on an existing self-supporting tower with an overall height of 210.9 meters AGL.

The proposed operation based upon the current OET Bulletin No. 65, Edition 97-01 dated August 1997 and Supplement A meets the provisions of the FCC radio frequency field ("RFF") guidelines, and thus, complies with Section 1.1307 of the FCC Rules. Provisions will be made to reduce power or to terminate the transmitter emissions, as appropriate, when it is necessary for authorized personnel to be on the tower.

For DTV operation WHUT-DT proposes to use a Dielectric, TUP-04-12-2 or equivalent antenna horizontally polarized (100 kW horizontal) with 0.5° electrical beam tilt with a radiation center of 202.3 meters above ground. The elevation pattern for this antenna shows a maximum relative field 0.1 or less towards the ground (60° to 90° below the horizontal) in the vicinity of the tower. Using this relative field factor and the procedures prescribed in OET Bulletin 65 (Edition 97-01 and Supplement A), the maximum RFF resulting from the proposed operation is less than 0.83 $\mu\text{W}/\text{cm}^2$ two meters above ground. This is less than 0.21 percent of the 391.33 $\mu\text{W}/\text{cm}^2$ maximum human exposure to RFF recommended by the current FCC guidelines for the general population in an uncontrolled environment.

The total contribution by all proposed and existing operations (Table II) at 2 meters above ground level is less than $46.7 \mu\text{W}/\text{cm}^2$ or 20.4 percent of the current FCC guidelines for general population exposure.

Authorized personnel and rigging contractors will be alerted to the potential zone of high radiation 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.

An environmental assessment (“EA”) is categorically excluded under Section 1.1306 of the FCC Rules and Regulations since the permittee indicates:

- (a)(1) The proposed facilities on an existing tower are not located in an officially designated wilderness area.
- (a)(2) The proposed facilities on an existing tower are not located in an officially designated wildlife preserve.
- (a)(3) The proposed facilities on an existing tower will not affect any listed threatened or endangered species or habitats.
- (a)(3)(ii) The proposed facilities on an existing tower 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 on an existing tower will not affect any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering, or culture.
- (a)(5) The proposed facilities are not located near any known Indian religious sites.
- (a)(6) The proposed facilities are not located in a flood plain.

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- (a)(7) The installation of the DTV facilities on an existing tower at an existing site will not involve a significant change in surface features of the ground in the vicinity of the tower.
 - (a)(8) The existing tower lighting will remain unchanged.
 - (b) Workers and the general public will not be subjected to RFF levels in excess of the current FCC guidelines contained in OET Bulletin 65 (Edition 97-01) and Supplement A. Authorized personnel will be alerted to areas of the antennas where potential radiation levels are in excess of the FCC guidelines. A security fence with a locked gate precludes access to the tower site.

TABLE I
COMPUTED COVERAGE DATA
FOR THE PROPOSED DTV OPERATION OF
WHUT-DT, WASHINGTON, DC
CHANNEL 33 100 KW ERP 254 METERS HAAT
APRIL 2003

<u>Radial Bearing</u> N ° E, T	<u>Average*</u> <u>Elevation</u> <u>3.2 to 16.1 km</u> <u>meters</u>	<u>Effective Height</u> <u>meters</u>	<u>Depression Angle</u>	<u>ERP at Radio Horizon</u> <u>kW</u>	<u>Distance to Contour F(50,90)</u>	
					<u>48 dBu City Grade</u> <u>km</u>	<u>41 dBu Noise-Limited</u> <u>km</u>
0	97.3	229.7	0.423	100	64.8	72.4
45	93.7	233.3	0.433	100	65.5	73.2
90	39.1	287.9	0.471	100	68.3	77.1
135	37.3	289.7	0.476	100	68.7	77.7
180	47.7	279.3	0.466	100	67.9	76.5
225	89.7	237.3	0.429	100	65.2	72.8
270	85.4	241.6	0.435	100	65.6	73.3
315	97.6	229.4	0.426	100	65.0	72.7
Average	73.5	253.5				

*Based on data from FCC 7.5 minute topographic map from 1970 data on file (BPCT-4390).

DTV Channel 33 (584-590 MHz)
Average Elevation 3.2 to 16.1 km 68.6 meters AMSL
Center of Radiation 327 meters AMSL
Antenna Height Above Average Terrain 254 meters
Max. Effective Radiated Power 100 kW (20 dBk) Max.

North Latitude: 38° 57' 01"
West Longitude: 77° 04' 47"

NAD-27

TABLE II
POTENTIAL INTERFEREES
OF THE PROPOSED OPERATION OF
WHUT-DT WASHINGTON, D.C.
CHANNEL 33 100 KW 254 METERS
APRIL 2003

<u>Station</u>	<u>Ch</u>	<u>Status</u>	<u>City/State</u>	<u>Power kW</u>	<u>Bearing/Distance From WHUT-DT</u>	<u>App Ref No</u>	<u>New Interference</u>
WHAG-TV	25	LIC	Hagerstown, MD	1350	316.3°/109.8 km	BLCT-19890327KJ	Fully-Spaced
WETA-TV	26	LIC	Washington, DC	2290	304.2°/2.6 km	BLET438	Fully-Spaced
WETA-TV	26	CP	Washington, DC	2290	304.2°/2.6 km	BPET-19890111KE	Fully-Spaced
WWPB-TV	31	LIC	Hagerstown, MD	4070	315.8°/109.4 km	BLET-19960828KE	Fully-Spaced
WHUT-TV	32	LIC	Washington, DC	5000	304.2°/2.6 km	BLET-19801107KE	Fully-Spaced
WHUT-TV	32	CP	Washington, DC	1450	237.3°/0.1 km	BPET-20000501AIH	Fully-Spaced
WTAJ-TV	32	CP	Altoona, PA	1000	327.5°/214.1 km	BPCDT-19991021ACA	Fully-Spaced
WTAJ-DT	32	ALLOT	Altoona, PA	1000	327.5°/214.1 km	---	Fully-Spaced
WPSG-DT	32	CP MOD	Philadelphia, PA	250	51.9°/199.6 km	BMPCDT-20011003AAM	Fully-Spaced
WPSG-DT	32	APP	Philadelphia, PA	250	51.9°/199.6 km	BMPCDT-20020819AAK	Fully-Spaced
WPSG-DT	32	ALLOT	Philadelphia, PA	108.6	52.0°/199.4 km	---	Fully-Spaced
WVIR-TV	32	CP	Charlottesville, VA	1000	28.6°/394.5 km	BPCDT-19991028AEI	Fully-Spaced
WVIR-DT	32	ALLOT	Charlottesville, VA	234.1	229.1°/162.8 km	---	Fully-Spaced
WUPN-TV	33	LIC	Greensboro, NC	700	216.1°/419.6 km	BLCDDT-20020430ABD	Fully-Spaced
WUPN-DT	33	ALLOT	Greensboro, NC	50	216.3°/420.2 km	---	Fully-Spaced
WHIG-LP	33	CP	Rocky Mount, NC		19.5°/205.9 km	BPTTL-20010112ABU	Fully-Spaced
WPIX	33	CP	New York, NY	265	52.2°/327.3 km	BPCDT20000501AGJ	
WPIX-DT	33	ALLOT	New York, NY			---	Fully-Spaced

TABLE II
POTENTIAL INTERFEREES
OF THE PROPOSED OPERATION OF
WHUT-DT WASHINGTON, D.C.
CHANNEL 33 100 KW 254 METERS
APRIL 2003
(continued)

<u>Station</u>	<u>Ch</u>	<u>Status</u>	<u>City/State</u>	<u>Power</u> kW	<u>Bearing/Distance</u> <u>From WHUT-DT</u>	<u>App Ref No</u>	<u>New</u> <u>Interference</u>
WYTV	33	LIC	Youngstown, OH	912	308.9°/383.6 km	BLCT2210	Fully-Spaced
WITF-TV	33	LIC	Harrisburg, PA	1100	6.6°/156.0 km	BMLET19820217KH	1.8%
WTVZ-TV	33	LIC	Norfolk, VA	5000	167.8°/243.0 km	BLCT-19820219KG	Fully-Spaced
WTVZ-TV	33	CP MOD	Norfolk, VA	5000	167.8°/243.1 km	BMPCT20010730ABG	Fully-Spaced
WNPB-DT	33	CP	Morgantown, WV	144	290.6°/245.7 km	BPEDT20000331AAE	Fully-Spaced
WNPB-DT	33	ALLOT	Morgantown, WV	145.4	290.6°/245.7 km	---	Fully-Spaced
WUSA-DT	34	LIC	Washington, DC	646	0.0°/0.0 km	BLCDT-19981112KH	Fully-Spaced
WUSA-DT	34	CP	Washington, DC	1000	0.0°/0.0 km	BPCDT-20000501ACX	Fully-Spaced
WUSA-DT	34	ALLOT	Washington, DC	1000	0.0°/0.0 km	---	Fully-Spaced
WJAC-TV	34	APP	Johnstown, PA	250	314.7°/227.1 km	BMPCDT20021104ADK	Fully-Spaced
WJAC-TV	34	CP MOD	Johnstown, PA	250	314.7°/227.1 km	BMPCDT-20010615AVI	Fully-Spaced
WJAC-DT	34	ALLOT	Johnstown, PA	1000	314.7°/227.1 km	---	Fully-Spaced
WYBE	34	CP	Philadelphia, PA	500	51.9°/199.6 km	BPEDT-20000501AIA	Fully-Spaced
WYBE-DT	34	ALLOT	Philadelphia, PA	50	51.9°/199.3 km	---	Fully-Spaced

TABLE III
RADIOFREQUENCY FIELD LEVEL CALCULATIONS
FOR THE PROPOSED OPERATION OF
WHUT-DT, WASHINGTON, DC
CHANNEL 33 100 KW ERP 254 METERS HAAT
APRIL 2003

Station	Channel	ERP (kW)	Field	RCAGL* (meters)	S-Calculated ($\mu\text{W}/\text{cm}^2$)	S-Limit ($\mu\text{W}/\text{cm}^2$)	% of Limit
WASH-FM (existing)	246	17.5	0.3	187.9	2.98	200	1.5
WUSA-DT (existing)	34	646	0.1	200.1	5.4	395	1.4
WUSA-TV (existing)	9	316	0.22	181.1	7.8	200	3.9
WJLA-DT (existing)	39	646	0.1	200.1	5.4	415	1.3
WJLA-TV (existing)	7	316	0.22	181.1	7.8	200	3.9
WRQX-FM (existing)	297	34	0.35	130	16.5	200	8.2
WHUT-DT (proposed)	33	100	0.1	200.1	0.83	391	0.21

*Minus 2 meters

ABOVE GROUND

ABOVE MEAN SEA LEVEL

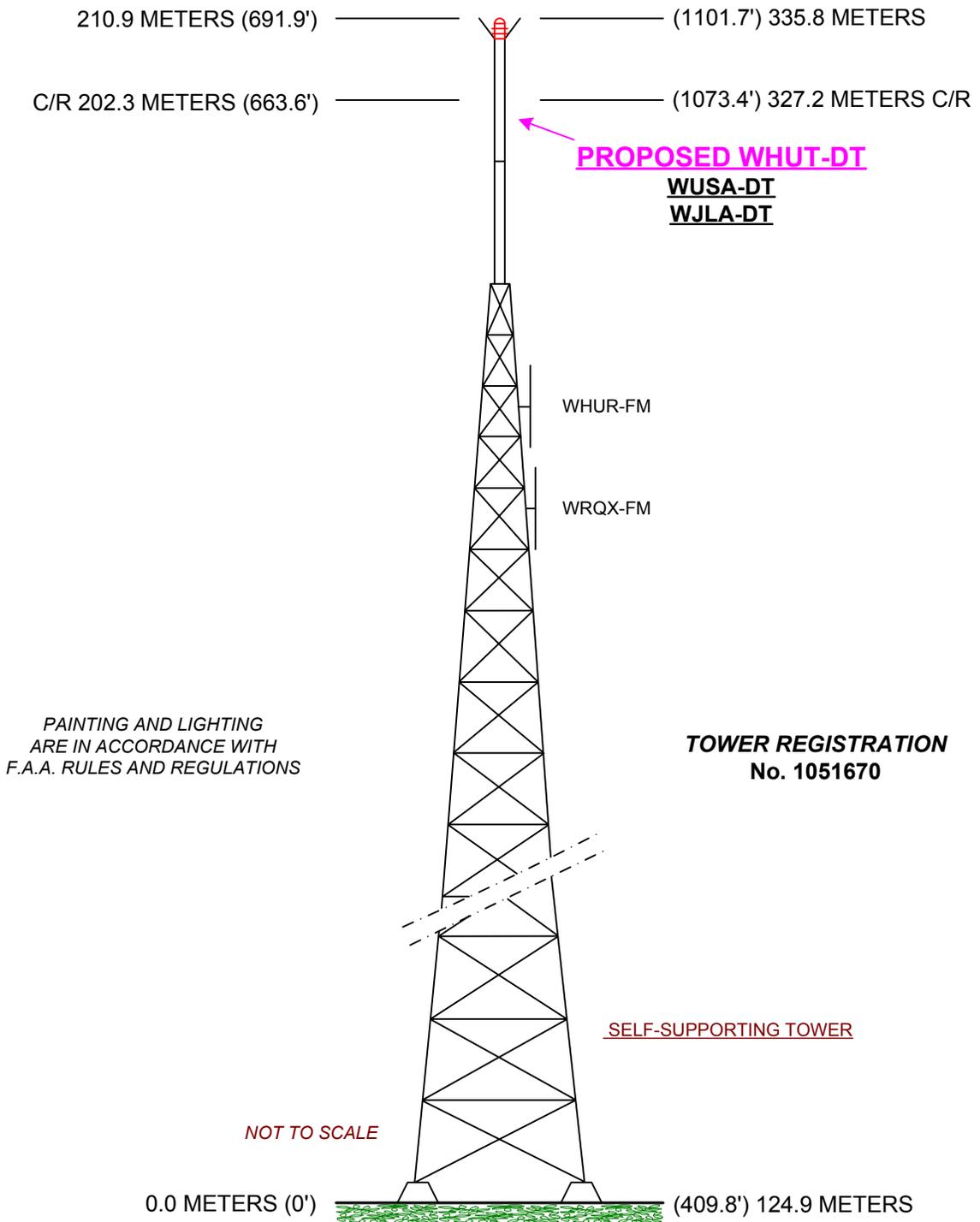


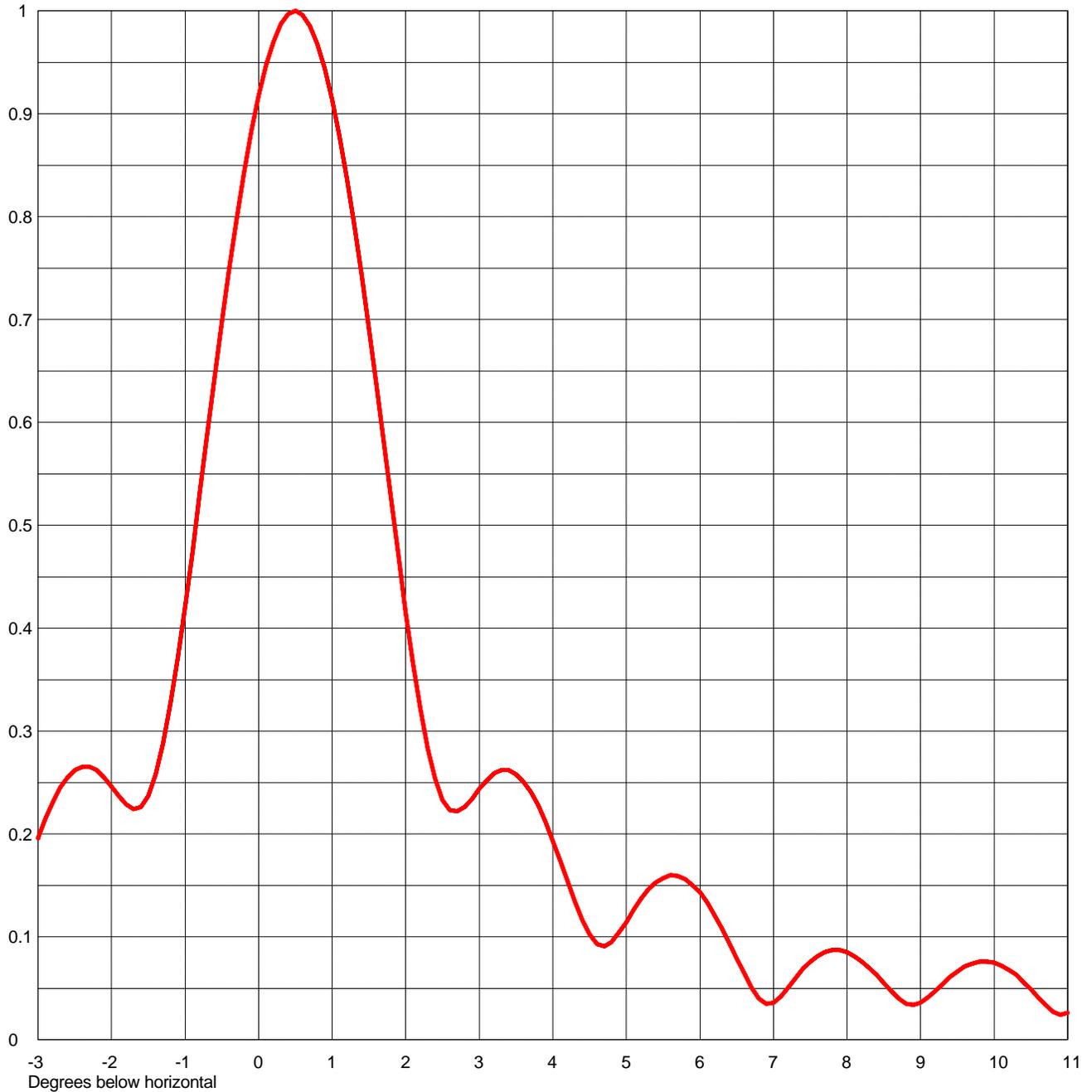
EXHIBIT E-1
VERTICAL SKETCH
FOR THE PROPOSED OPERATION OF
WHUT-DT, WASHINGTON, D.C.
HOWARD UNIVERSITY



Proposal Number
Date **APRIL 2003**
Call Letters **WHUT-DT** Channel **33**
Location **Washington, DC**
Customer
Antenna Type **TUP-O4-12-2**

ELEVATION PATTERN

RMS Gain at Main Lobe	26.2 (14.18 dB)	Beam Tilt	0.50 Degrees
RMS Gain at Horizontal	22.1 (13.44 dB)	Frequency	587.00 MHz
Calculated / Measured	Calculated	Drawing #	12U262050



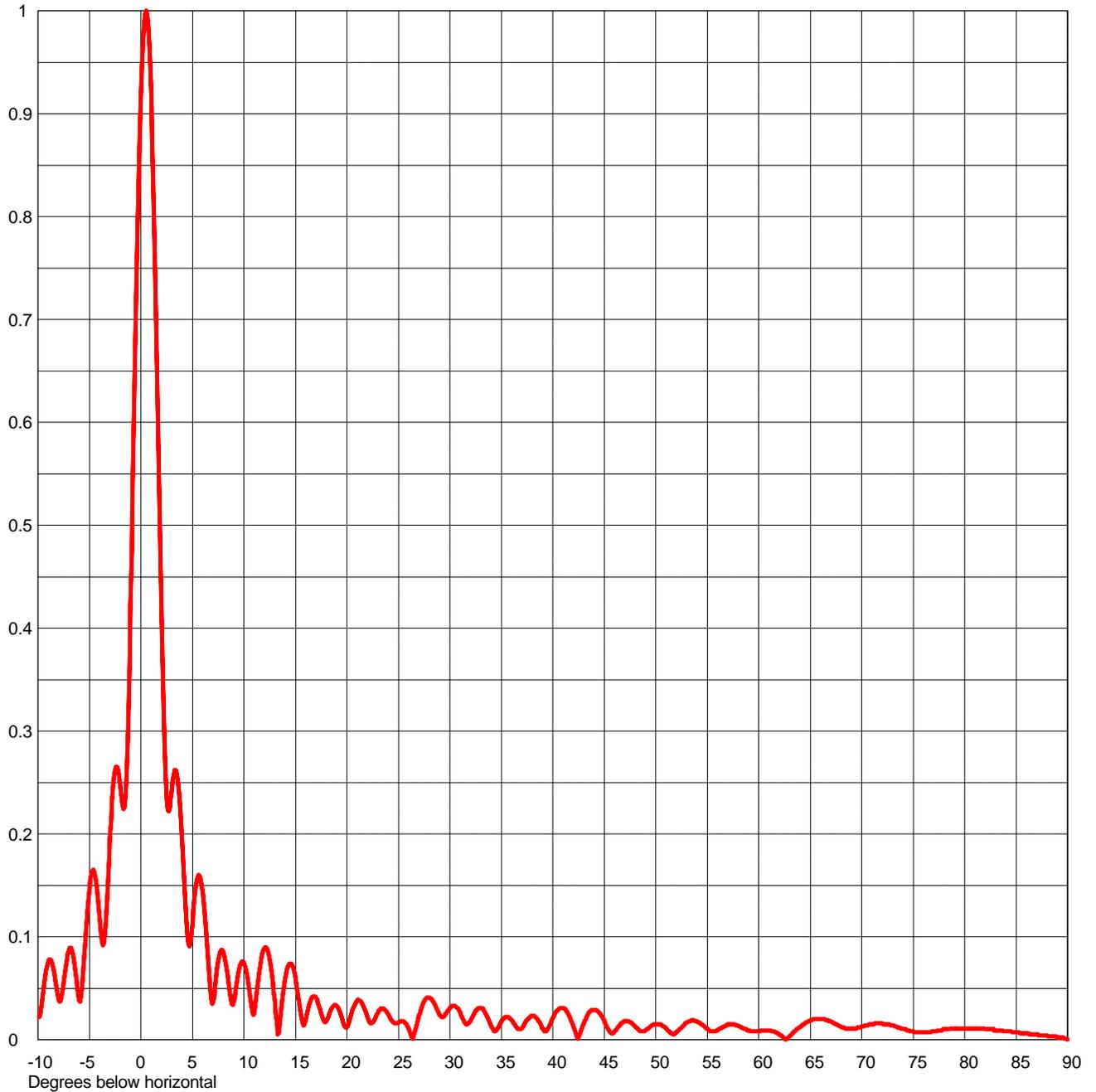
Remarks:



Proposal Number
Date **APRIL 2003**
Call Letters **WHUT-DT** Channel **33**
Location **Washington, DC**
Customer
Antenna Type **TUP-O4-12-2**

ELEVATION PATTERN

RMS Gain at Main Lobe	26.2 (14.18 dB)	Beam Tilt	0.50 Degrees
RMS Gain at Horizontal	22.1 (13.44 dB)	Frequency	587.00 MHz
Calculated / Measured	Calculated	Drawing #	12U262050-90



Remarks:



Proposal Number _____ Revision _____
 Date **APRIL 2003**
 Call Letters **WHUT-DT** Channel **33**
 Location **Washington, DC**
 Customer _____
 Antenna Type **TUP-O4-12-2**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **12U262050-90**

Angle	Field										
-10.0	0.026	2.4	0.254	10.6	0.041	30.5	0.033	51.0	0.011	71.5	0.016
-9.5	0.047	2.6	0.223	10.8	0.027	31.0	0.026	51.5	0.006	72.0	0.016
-9.0	0.077	2.8	0.226	11.0	0.026	31.5	0.016	52.0	0.007	72.5	0.015
-8.5	0.069	3.0	0.244	11.5	0.065	32.0	0.018	52.5	0.012	73.0	0.014
-8.0	0.039	3.2	0.259	12.0	0.089	32.5	0.028	53.0	0.017	73.5	0.012
-7.5	0.057	3.4	0.262	12.5	0.078	33.0	0.031	53.5	0.019	74.0	0.011
-7.0	0.087	3.6	0.251	13.0	0.037	33.5	0.025	54.0	0.018	74.5	0.009
-6.5	0.078	3.8	0.228	13.5	0.016	34.0	0.014	54.5	0.015	75.0	0.008
-6.0	0.038	4.0	0.193	14.0	0.059	34.5	0.009	55.0	0.010	75.5	0.007
-5.5	0.084	4.2	0.154	14.5	0.074	35.0	0.018	55.5	0.008	76.0	0.007
-5.0	0.148	4.4	0.116	15.0	0.060	35.5	0.022	56.0	0.009	76.5	0.007
-4.5	0.162	4.6	0.093	15.5	0.028	36.0	0.019	56.5	0.012	77.0	0.008
-4.0	0.117	4.8	0.095	16.0	0.019	36.5	0.012	57.0	0.015	77.5	0.009
-3.5	0.103	5.0	0.114	16.5	0.039	37.0	0.011	57.5	0.015	78.0	0.010
-3.0	0.196	5.2	0.137	17.0	0.041	37.5	0.019	58.0	0.014	78.5	0.010
-2.8	0.231	5.4	0.153	17.5	0.026	38.0	0.023	58.5	0.011	79.0	0.011
-2.6	0.255	5.6	0.160	18.0	0.018	38.5	0.020	59.0	0.009	79.5	0.011
-2.4	0.265	5.8	0.156	18.5	0.030	39.0	0.011	59.5	0.008	80.0	0.011
-2.2	0.262	6.0	0.143	19.0	0.033	39.5	0.010	60.0	0.008	80.5	0.011
-2.0	0.246	6.2	0.121	19.5	0.022	40.0	0.021	60.5	0.009	81.0	0.011
-1.8	0.229	6.4	0.094	20.0	0.012	40.5	0.029	61.0	0.009	81.5	0.011
-1.6	0.226	6.6	0.065	20.5	0.028	41.0	0.031	61.5	0.008	82.0	0.010
-1.4	0.258	6.8	0.040	21.0	0.038	41.5	0.025	62.0	0.005	82.5	0.010
-1.2	0.327	7.0	0.036	21.5	0.035	42.0	0.013	62.5	0.001	83.0	0.009
-1.0	0.422	7.2	0.051	22.0	0.022	42.5	0.002	63.0	0.003	83.5	0.009
-0.8	0.531	7.4	0.069	22.5	0.017	43.0	0.016	63.5	0.008	84.0	0.008
-0.6	0.642	7.6	0.081	23.0	0.026	43.5	0.026	64.0	0.012	84.5	0.008
-0.4	0.749	7.8	0.087	23.5	0.030	44.0	0.029	64.5	0.016	85.0	0.007
-0.2	0.842	8.0	0.085	24.0	0.025	44.5	0.026	65.0	0.019	85.5	0.006
0.0	0.918	8.2	0.076	24.5	0.017	45.0	0.018	65.5	0.020	86.0	0.006
0.2	0.970	8.4	0.063	25.0	0.017	45.5	0.008	66.0	0.020	86.5	0.005
0.4	0.997	8.6	0.047	25.5	0.018	46.0	0.008	66.5	0.019	87.0	0.005
0.6	0.996	8.8	0.035	26.0	0.011	46.5	0.014	67.0	0.018	87.5	0.004
0.8	0.968	9.0	0.036	26.5	0.005	47.0	0.018	67.5	0.015	88.0	0.004
1.0	0.914	9.2	0.047	27.0	0.023	47.5	0.017	68.0	0.013	88.5	0.003
1.2	0.837	9.4	0.061	27.5	0.037	48.0	0.013	68.5	0.011	89.0	0.002
1.4	0.743	9.6	0.071	28.0	0.041	48.5	0.008	69.0	0.011	89.5	0.002
1.6	0.636	9.8	0.076	28.5	0.035	49.0	0.009	69.5	0.011	90.0	0.000
1.8	0.524	10.0	0.075	29.0	0.024	49.5	0.013	70.0	0.013		
2.0	0.416	10.2	0.068	29.5	0.023	50.0	0.015	70.5	0.014		
2.2	0.322	10.4	0.056	30.0	0.031	50.5	0.015	71.0	0.015		

Remarks:

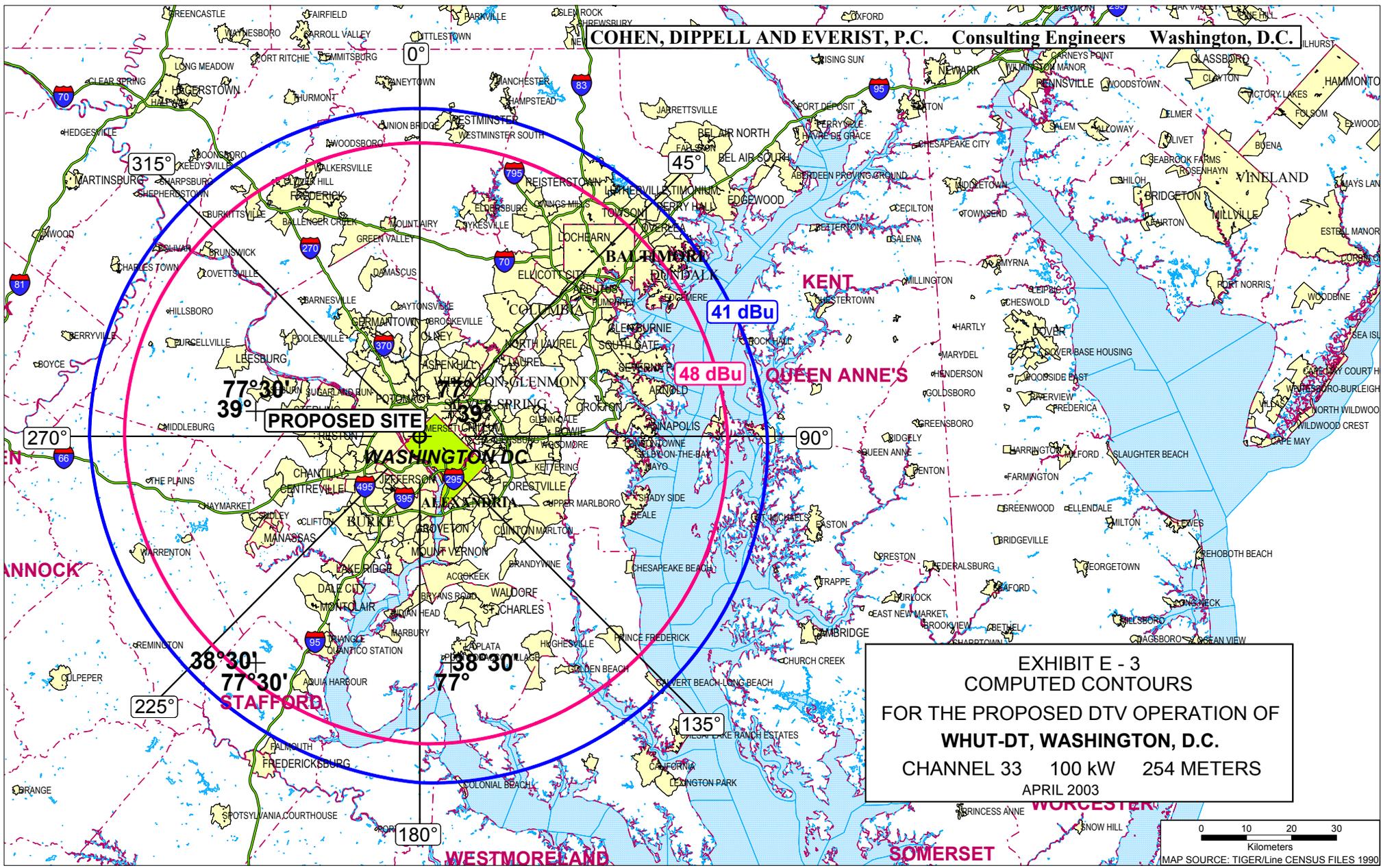


EXHIBIT E - 3
COMPUTED CONTOURS
FOR THE PROPOSED DTV OPERATION OF
WHUT-DT, WASHINGTON, D.C.
CHANNEL 33 100 kW 254 METERS
APRIL 2003



Federal Communications Commission
Washington, D.C. 20554

January 16, 2003

Mr. Ryan Felmler
Cohen, Dippell and Everist, P.C.
1300 L Street, N.W.
Washington, D.C. 20005

Dear Mr. Felmler:

We have reviewed your proposal for the following television transmitting facilities:

Frequency: TV Channel 33 (584-590) MHz
ERP: 100 kW
AMSL Height: 327 meters
HAAT: 258 meters
Latitude 38-57-01 N, Longitude 77-04-47 W, (NAD 27)

The Commission's Enforcement Bureau has no problem with the proposed facility with the above listed parameters.

The Media Bureau automatically refers all television station applications that are expected to exceed 10 mV/m to the Enforcement Bureau (even if pre-coordination has taken place). If you wish to do so, you can mention this letter to the Media Bureau, and ask them to refer to file "LR-30" when they send the application to us.

Thank you for your request for pre-coordination.

Sincerely,

A handwritten signature in cursive script that reads "Dan S. Emrick".

Dan S. Emrick
Director, National Operations Group

cc: DD/CF, RD/NE
EB/Technical & Public Safety Division file XD-6/LR-30