

**Experimental License
Narrative
Application Sections 2-6 and 2-7**

Improving an advanced transmission standard for the broadcast platform was contemplated by both the Commission and broadcasters even as the initial standard was approved over 20 years ago.¹ The new ATSC 3.0 standard, developed over the past 4 years, will reset the relationship between broadcasters and consumers in fundamental ways, including a convergence with all other modern communication devices using the Internet Protocol and a modulation scheme better suited to mobile reception. The number of enhanced and new services enabled by the ATSC 3.0 standard will dramatically improve television viewing, allow for hyper-localized programming, permit profound improvements in emergency notifications and allow for multiple data delivery businesses.

Without an additional channel to facilitate deployment of the new standard, broadcasters and the Commission have proposed simulcasting and channel sharing as the mechanism for introducing and conversion to the new transmission paradigm.² That deployment requires real-world field testing. This experimental license application will enable that endeavor.

As reflected in the attached chart, the conversion of several stations in the Baltimore, Maryland market will demonstrate: 1) simulcasting of ATSC 1.0 and 3.0 signals, 2) technical solutions that permit channel sharing, 3) deployment and operations of multiple single frequency network sites, and 4) the creation of a suitable test bed for ATSC 3.0 business modeling and consumer testing. The plan encompasses an existing SFN STA in Baltimore/Washington (Channel 43) and proposes to use one channel “sold” in the Incentive Auction (Channel 41) temporarily for the testing prior to its use by the wireless carrier. The attached existing 1.0 transmission and 3.0 deployment charts show graphically the movement of existing programming streams from current towers to new “hosts” and the deployment of primary signals using the new ATSC 3.0 standard.

Testing designs will include: conditional access; managing subscription services; determining content utilization and consumer demographics; determining efficiencies of encoder compression equipment; advanced advertising test assumptions related to directed and zoned delivery.

With respect to mobile television distribution, the equipment will permit utilizing content of the two 3.0 channels to stress mobile broadcast dynamics. In addition, the test will evaluate newly produced dongle devices, determine a critical mass and control distribution to allow for a complete feedback loop, monitor mobile device reception within service area stressed for obstruction such as within buildings and use refined criteria for consumer experience. Testing for mobile use in moving cars and buses will inform the development of automotive testing.

Other testing associated with the experimental license will include the following:

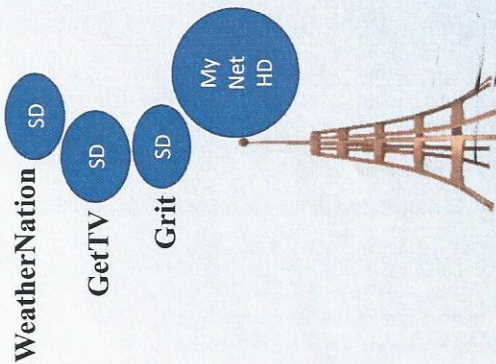
- Data Development: evaluating measurable analytics that identify specifics regarding the utilization of content; assessing measurable location service (GEO location and GPS services); and testing Layered Division Multiplexing (LDM).

¹ See *Advanced Television Systems and Their Impact Upon the Existing Television Broadcast Service*, Fourth Report and Order, MM Docket No. 87-268, 11 FCC Rcd 17771 ¶ 49 (1996).

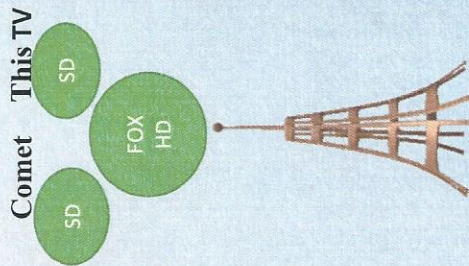
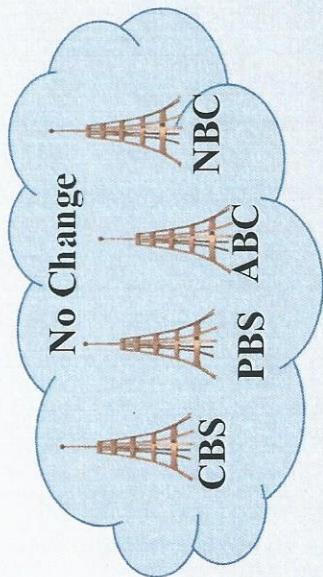
² *Authorizing Permissive Use of the “Next Generation” Broadcast Television Standard*, Notice of Proposed Rulemaking, GN Docket No. 16-142 (rel. Feb. 24, 2017).

- Advanced Emergency Alerting System: evaluating the application and effectiveness of Enhanced Emergency Alerting System including AEA; use of bootstrap to trigger alerts; and the buildout of the technology stack.
- Picture Quality and Defining Parameters: assessing compression technologies including HEVC and 4K in ATSC 3.0, MPEG4 in ATSC 1.0 to facilitate transition, and IQ compression – STL testing designs to minimize cost of deployment.

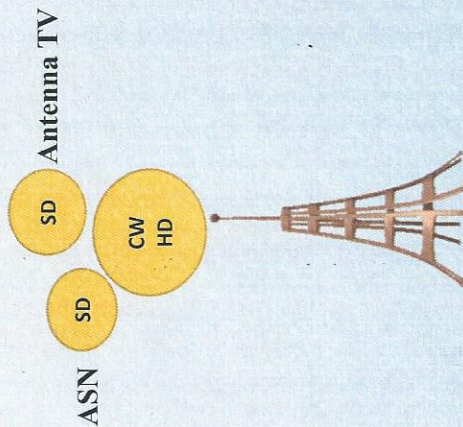
Existing 1.0 Transmissions



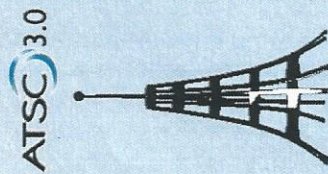
WUTB/MyNet
Channel 41
1-720P HD
3-480i SD



WBFF/FOX
Channel 46
1-720P HD
2-480i SD

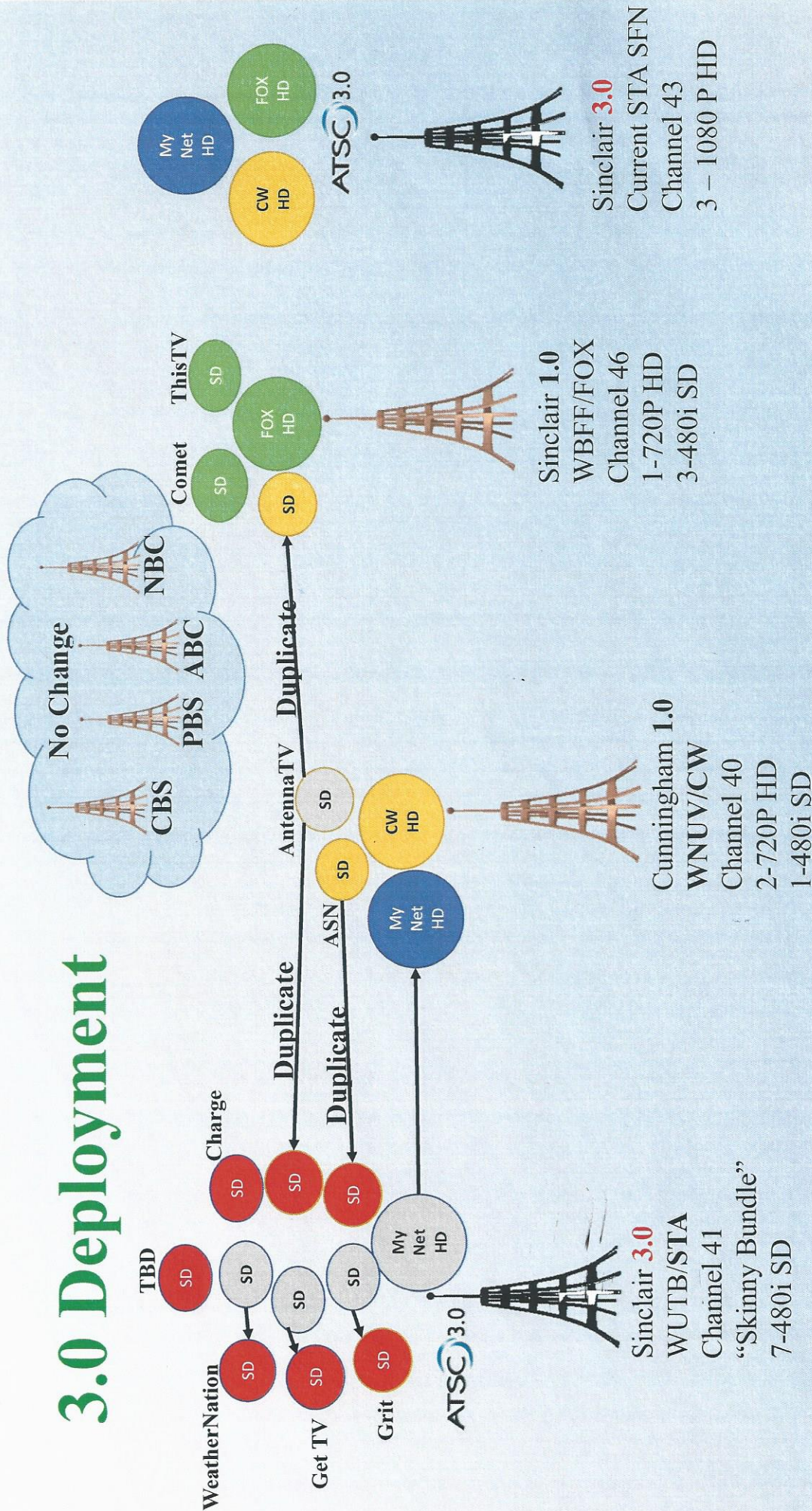


WNUV/CW
Channel 40
1-720P HD
2-480i SD



Current STA SFN
Channel 43

3.0 Deployment



Proposed System Description

A. LOCATION OF PROPOSED OPERATION:

ONE Media proposes to construct a single frequency network utilizing two transmitter sites.

Site 1: 2038 Powers Lane
Catonsville, MD 21228
ASR Registration Number: 1036304
Latitude: 39-17-15 N NAD83
Longitude: 076-45-37 W

Site 2: 4001 Nebraska Ave. NW
Washington, DC 20016
ASR Registration Number: 1285336
Latitude: 38-56-24.2 N NAD83
Longitude: 077-04-52.5 W

B. TECHNICAL SPECIFICATIONS:

1. Frequencies Desired

ONE Media requests authorization to operate in the band 632-638 MHz (television channel 41). This frequency band has been identified as being able to accommodate the proposed operation without causing unacceptable interference to any existing users of this or other pertinent frequencies with the exception of WNUV channel 40 Baltimore, MD. The predicted new interference to WNUV is 1.3% which WNUV has agreed to accept for the duration of the experiment. A copy of the interference agreement is attached.

2. Effective Radiated Power

All power levels will comply with the limits set forth in the FCC's rules, including those relating to human exposure to radiation. The transmitter at site 1 will be configured to operate with a maximum mean power level of 290 kW effective radiated power ("ERP"). The transmitter at site 2 will be configured to operate with a maximum ERP of 120 kW. It is noted, the facility at site 1 is currently that utilized by station WUTB. This station was a winning bidder in the recently completed Incentive Auction and therefore will be going silent making the facility available for this experiment.

3. Modulation and Emissions

ONE Media proposes to operate using ATSC 3.0-type modulation. The primary emission designator is 6M00W7W. Other emission modes may be utilized, but in no event will the emissions extend beyond the frequency bands requested. In addition, the proposed facility will fully comply with the existing emission mask to limit any harmful out of band emissions.

4. Antenna Information

The Catonsville, MD site will utilize the exiting WUTB channel 41 antenna (Dielectric model TFU-10DSC-R C170) with no changes in elevation or orientation. The proposed Washington, DC facility will utilize a Dielectric directional antenna model TFU-12JSC/VP-F-R with the main lobe at 110 degrees true. A copy of the azimuth and elevation patterns of the proposed antennas is attached.

The height of the antenna center of radiation for site 1 will be 259 meters above ground level. Ground level at this site is 155.1 meters above mean sea level; therefore, the center of radiation will be 414.1 meters above mean sea level. In that this antenna is a currently authorized facility on a registered tower (ASR 1036304), no further approval under FAA and FCC rules and regulations will be required.

The height of the antenna center of radiation for site 2 will be 117.4 meters above ground level. Ground level at this site is 119.5 meters above mean sea level; therefore, the center of radiation will be 236.9 meters above mean sea level. This antenna will be side mounted below with the top of the antenna 14.6 meters below the top of this registered tower (ASR 1285336); therefore, no further approval under FAA and FCC rules and regulations will be required.

C. PROTECTION AGAINST CAUSING INTERFERENCE:

As noted above, the proposed facility will operate on television channel 41 utilizing, as site 1, the facility being vacated by Incentive Auction winner WUTB. Therefore, no new interference will be caused by the operation of site 1. Site 2, to be located in Washington, DC, is inside the current service contour of WUTB and will enhance the service in that area and extend it slightly to the south. A interference study (copy attached) utilizing the OET-69 methodology indicates that the only new non-de minimis interference would be, as noted above, to station WNUV channel 40 Baltimore, MD who has agreed to accept the interference.

In addition, ONE Media has taken steps to protect against interference to other licensees in the area, including auxiliary broadcast licensees authorized under Part 74 of the FCC's rules. It has already discussed the proposed operation with the local Society of Broadcast Engineers ("SBE") frequency coordinator and will continue to coordinate with Part 74 licensees through the local SBE frequency coordinator before commencing any test operations.

Furthermore, ONE Media will, before commencing operation, take the necessary steps to notify health care facilities that may be operating biomedical telemetry devices pursuant to Section 15.242 of the Commission's rules that could be adversely affected by the operations proposed in the experiment.

D. RESTRICTIONS ON OPERATION:

ONE Media is not seeking authority to perform a market study under this experiment. As noted above, no programming would be received or viewable by the general public during these tests. Moreover, no fees will be charged to entities using the equipment during this test. After the test is completed, ONE Media will disassemble the demonstration facilities.

ONE Media also recognizes that any experimental authority must not cause harmful interference to authorized facilities. In the unlikely event interference occurs, ONE Media will

take immediate steps to resolve the interference, including discontinuance of operation if necessary. [A technical contact is noted.](#)

Entities will be advised in accordance with Section 2.803 of the Commission's rules, 47 C.F.R. §2.803 (2013), that any unapproved devices used during the evaluation which have not been authorized as required by the FCC are not being offered for sale or lease, or sold or leased, until authorization is obtained.

E. PUBLIC INTEREST:

ONE Media submits that issuance of an Experimental Authorization as requested is in the public interest, convenience, and necessity. Grant of an Experimental Authorization will help ONE Media to develop innovative equipment that will accommodate the needs of the viewing public. [A report will be issued.](#)

F. CONTACT INFORMATION:

For questions about this application, please contact:

Jerald Fritz
ONE Media, LLC
1100 Wilson Blvd, Suite 600
Arlington VA 22209

jnfritz@onemediallc.com
(703) 236-9229

In the unlikely event interference concerns should arise during the period of authorization for this experiment, please contact:

Louis Libin
516-816-8661 or 516-374-6700
lhlibin@sbgstv.com or louislibin@broad-comm.com

WNUV Interference Agreement

ONE Media is filing a New Experimental Radio Service Application for operation at 632-638 MHz (channel 41).

The File Number is: 0462-EX-CN-2017. This experiment is expected to last 24 months.

The proposed experiment will be a single frequency network (SFN) utilizing two Transmitter sites. The transmitter locations will be at Catonsville, MD, broadcasting at 290 KW of power, and Washington, DC., broadcasting at 120 KW of power. Both stations will utilize ATSC 3.0 modulation (6M0W7W).

An engineering study indicates that some new interference (1.3%) is predicted to be caused to WNUV Channel 40 Baltimore, MD.

WNUV, a Sinclair station, is willing to accept any and all interference new interference due to the proposed experiment for the 24 month period, beginning immediately.

For WNUV

Louis Libin
Senior Director,
Sinclair Broadcast Group
410 568-1776

**EXPERIMENTAL
LICENSE
APPLICATION**

**CHANNEL 41 - SFN
BALTIMORE/WASHINGTON
TECHNICAL
ATTACHMENTS**



**UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
ANTENNA STRUCTURE REGISTRATION**



OWNER: HIGH VISION INC

FCC Registration Number (FRN): 0023868276

ATTN: ERIC KRAVETZ HIGH VISION INC 3511 PORTER STREET, NW WASHINGTON, DC 20016	Antenna Structure Registration Number 1036304
	Issue Date 08/13/2014
Location of Antenna Structure 2038 POWERS LANE CATONSVILLE, MD 21228 County: BALTIMORE	Ground Elevation (AMSL) 155.1 meters
	Overall Height Above Ground (AGL) 303.6 meters
Latitude 39- 17- 15.0 N Longitude 076- 45- 37.0 W NAD83	Overall Height Above Mean Sea Level (AMSL) 458.7 meters
Center of Array Coordinates N/A	Type of Structure NTOWER Multiple Structures - The N is the # of structures (e.g. 2TOWER, 3TANK)
Painting and Lighting Requirements: FCC Paragraphs A1, B, D, H Conditions:	

This registration is effective upon completion of the described antenna structure and notification to the Commission. **YOU MUST NOTIFY THE COMMISSION WITHIN 24 HOURS OF COMPLETION OF CONSTRUCTION OR CANCELLATION OF YOUR PROJECT, please file FCC Form 854.** To file electronically, connect to the antenna structure registration system by pointing your web browser to <http://wireless.fcc.gov/antenna>. Electronic filing is recommended. You may also file manually by submitting a paper copy of FCC Form 854. Use purpose code "NT" for notification of completion of construction; use purpose code "CA" to cancel your registration.

The Antenna Structure Registration is not an authorization to construct radio facilities or transmit radio signals. It is necessary that all radio equipment on this structure be covered by a valid FCC license or construction permit.

You must immediately provide a copy of this Registration to all tenant licensees and permittees sited on the structure described on this Registration (although not required, you may want to use Certified Mail to obtain proof of receipt), and display your Registration Number at the site. See reverse for important information about the Commission's Antenna Structure Registration rules.

You must comply with all applicable FCC obstruction marking and lighting requirements, as set forth in Part 17 of the Commission's Rules (47 C.F.R. Part 17). These rules include, but are not limited to:

Posting the Registration Number: The Antenna Structure Registration Number must be displayed in a conspicuous place so that it is readily visible near the base of the antenna structure. Materials used to display the Registration Number must be weather-resistant and of sufficient size to be easily seen at the base of the antenna structure. Exceptions exist for certain historic structures. See 47 C.F.R. 17.4(g)-(h).

Inspecting lights and equipment: The obstruction lighting must be observed at least every 24 hours in order to detect any outages or malfunctions. Lighting equipment, indicators, and associated devices must be inspected at least once every three months.

Reporting outages and malfunctions: When any top steady-burning light or a flashing light (in any position) burns out or malfunctions, the outage must be reported to the nearest FAA Flight Service Station, unless corrected within 30 minutes. The FAA must again be notified when the light is restored. The owner must also maintain a log of these outages and malfunctions.

Maintaining assigned painting: The antenna structure must be repainted as often as necessary to maintain good visibility.

Complying with environmental rules: If you certified that grant of this registration would not have a significant environmental impact, you must nevertheless maintain all pertinent records and be ready to provide documentation supporting this certification and compliance with the rules, in the event that such information is requested by the Commission pursuant to 47 C.F.R. 1.1307(d).

Updating information: The owner must notify the FCC of proposed modifications to this structure; of any change in ownership; or, within 30 days of dismantlement of the structure.

You can find additional information at [\[insert link\]](#) or by calling (877) 480-3201 (TTY 717-338-2824).

OBSTRUCTION MARKING AND LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES

It is to be expressly understood that the issuance of the below specifications is in no way to be considered as precluding additional or modified markings or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

A1 There shall be installed at the top of the antenna structure a white capacitor discharge omnidirectional light which conforms to FAA/DOD Specification L-865, Medium Intensity Obstruction Lighting Systems. This light shall be mounted on the highest point of the structure. If the antenna or other appurtenance at its highest point is incapable of supporting the omnidirectional light, one or more such lights shall be installed on a suitable adjacent support with the lights mounted not more than 6.10 meters (20 feet) below the tip of the appurtenance. The lights shall be positioned so as to permit unobstructed viewing of at least one light from aircraft at any normal angle of approach. The light unit(s) shall emit a beam with a peak intensity around its periphery of approximately 20,000 candelas during daytime and twilight, and approximately 2,000 candelas at night.

B There shall be installed at the top of the skeletal or other main support structure three or more high intensity light units which conform to FAA/DOD Specification L-856, High Intensity Obstruction Lighting Systems. The complement of units shall emit a white high intensity light and produce an effective intensity of not less than 200,000 candelas (daytime) uniformly about the antenna structure in the horizontal plane. The effective intensity shall be reduced to approximately 20,000 candelas at twilight, and to approximately 2,000 candelas at night. The light units shall be mounted in a manner to insure unobstructed viewing from aircraft at any normal angle of approach, so that the effective intensity of the full beam is not impaired by any structural member of the skeletal framework. The units will normally be adjusted so that the center of the beam is in the horizontal plane.

D At the approximate one-third and two-thirds levels of the skeletal tower there shall be installed three or more high intensity light units which conform to FAA/DOD Specification L-856, High Intensity Obstruction Lighting Systems. The complement of units shall emit a white high intensity light and produce an effective intensity of not less than 200,000 candelas (daytime) uniformly about the antenna structure in the horizontal plane. The effective intensity shall be reduced to approximately 20,000 candelas at twilight, and to approximately 2,000 candelas at night. The light units shall be mounted in a manner to insure unobstructed viewing from aircraft at any normal angle of approach, so that the effective intensity of the full beam is not impaired by any structural member of the skeletal framework. The normal angular adjustment of the beam centers above the horizontal shall be two degrees (2°) at the one-third level and one degree (1°) at the two-thirds level.

H All high and medium intensity lights shall be synchronized to flash simultaneously at 40 pulses per minute. The light system shall be equipped with a light sensitive control device which shall face the north sky and cause the intensity steps to change automatically when the north sky illumination on a vertical surface is as follows: 1. Day to Twilight: Shall not occur before the illumination drops to 60 footcandles, but shall occur before it drops below 30 footcandles. 2. Twilight to Night: Shall not occur before the illumination drops to 5 footcandles, but shall occur before it drops to 2 footcandles. 3. Night to Day: The intensity changes listed in 1. and 2. above shall be reversed in transitioning from the night to day modes.

FCC Registration Number (FRN): 0011498342

ATTN: FAA/FCC American Tower, LLC 10 Presidential Way Woburn, MA 01801	Antenna Structure Registration Number 1285336	
	Issue Date 04/14/2014	
Location of Antenna Structure 4001 Nebraska Ave. NW Washington, DC 20016 County: Washington	Ground Elevation (AMSL) 119.5 meters	
	Overall Height Above Ground (AGL) 135.0 meters	
Latitude 38- 56- 24.2 N	Longitude 077- 04- 52.5 W	NAD83
Overall Height Above Mean Sea Level (AMSL) 254.5 meters		
Center of Array Coordinates N/A		Type of Structure LTOWER Lattice Tower
Painting and Lighting Requirements: FAA Chapters NONE		
Conditions:		

The Antenna Structure Registration is not an authorization to construct radio facilities or transmit radio signals. It is necessary that all radio equipment on this structure be covered by a valid FCC license or construction permit.

Page 1 of 2

You must comply with all applicable FCC obstruction marking and lighting requirements, as set forth in Part 17 of the Commission's Rules (47 C.F.R. Part 17). These rules include, but are not limited to:

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Updating information: The owner must notify the FCC of proposed modifications to this structure; of any change in ownership; or, within 30 days of dismantlement of the structure.

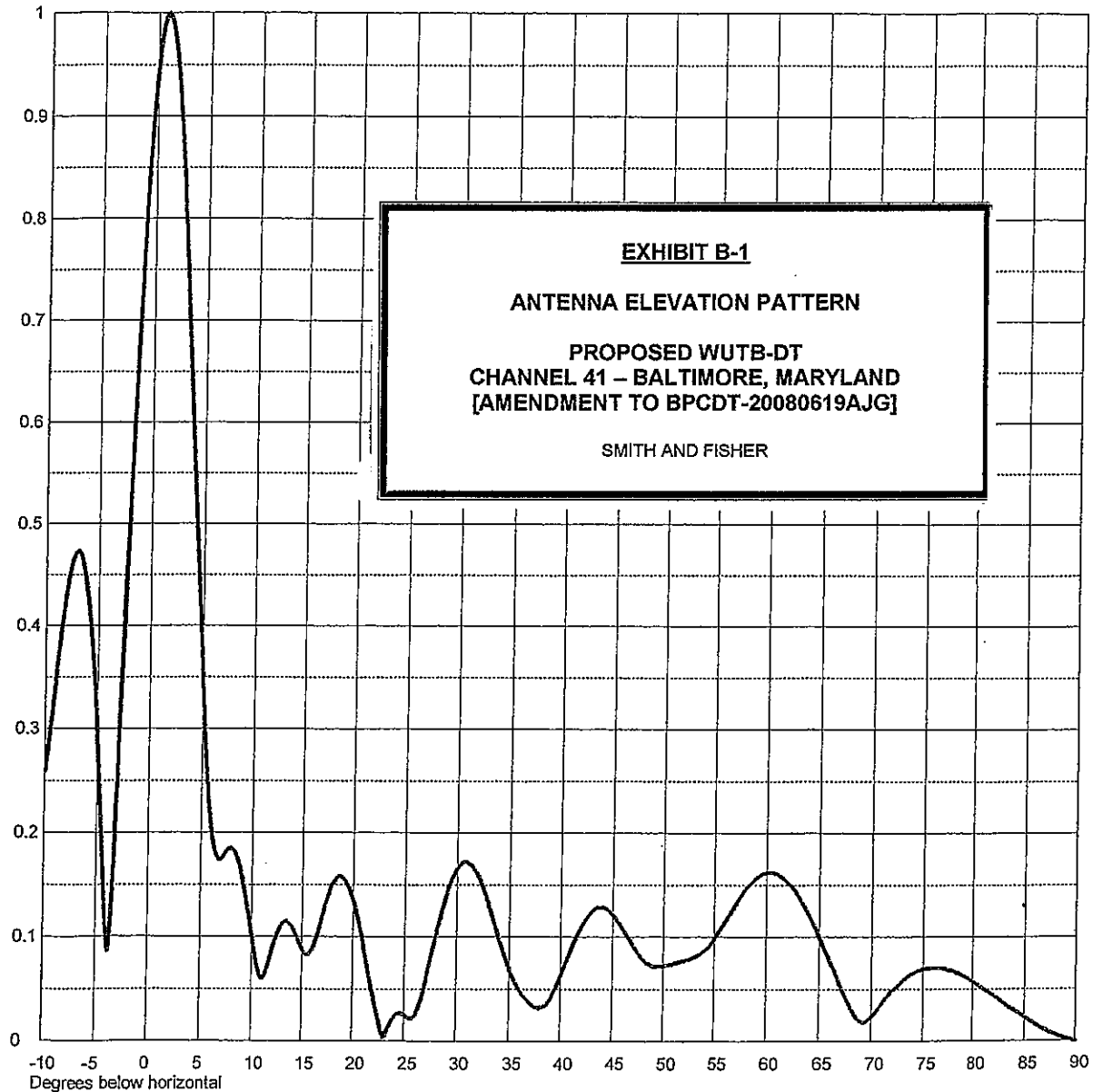
You can find additional information at [\[insert link\]](#) or by calling (877) 480-3201 (TTY 717-338-2824).



Date	04 Jun 2004
Call Letters	WUTB-DT Channel 41
Location	Baltimore, MD
Customer	
Antenna Type	TFU-10DSC-R C170

ELEVATION PATTERN

RMS Gain at Main Lobe	9.5 (9.78 dB)	Beam Tilt	1.00 Degrees
RMS Gain at Horizontal	8.4 (9.24 dB)	Frequency	635.00 MHz
Calculated / Measured	Calculated	Drawing #	10Q095100-90



Remarks:

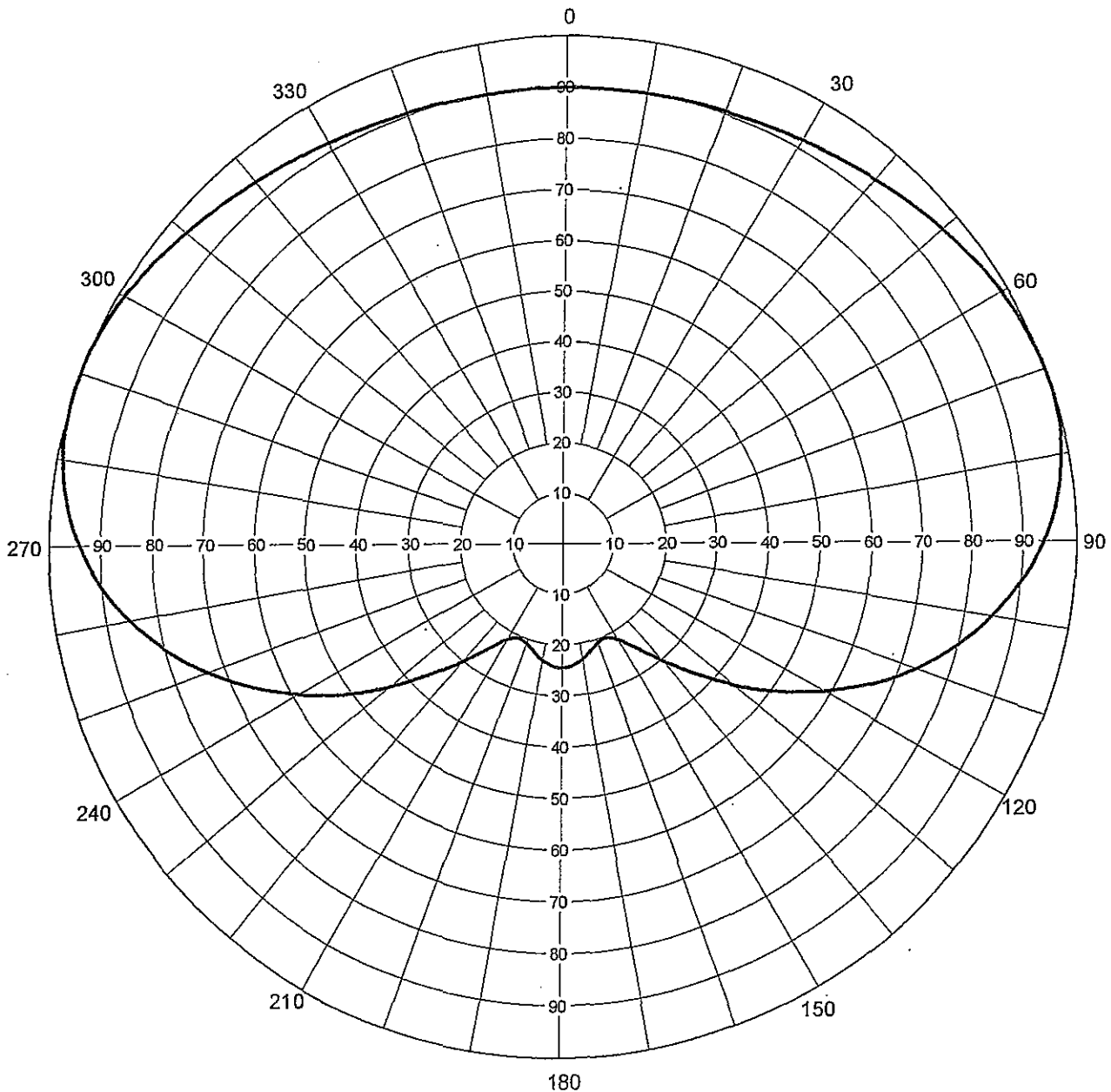
AZIMUTH PATTERN

RMS Gain at Main Lobe
Calculated / Measured

1.70 (2.30 dB)
Calculated

Frequency
Drawing #

635 MHz
TFU-C170



Remarks:

EXHIBIT B-2

ANTENNA AZIMUTH PATTERN

PROPOSED WUTB-DT
CHANNEL 41 - BALTIMORE, MARYLAND
[AMENDMENT TO BPCDT-20080619AJG]

SMITH AND FISHER

ANTENNA AZIMUTH PATTERN DATA

PROPOSED WUTB-DT
CHANNEL 41 – BALTIMORE, MARYLAND
[AMENDMENT TO BPCDT-20080619AJG]

<u>Azimuth</u> <u>(° T)</u>	<u>Relative</u> <u>Field</u>	<u>ERP</u> <u>(dbk)</u>	<u>Azimuth</u> <u>(° T)</u>	<u>Relative</u> <u>Field</u>	<u>ERP</u> <u>(dbk)</u>
0	0.899	23.7	180	0.245	12.4
10	0.900	23.7	190	0.232	11.9
20	0.905	23.7	200	0.207	10.9
30	0.917	23.8	210	0.218	11.4
40	0.936	24.0	220	0.302	14.2
50	0.963	24.3	230	0.437	17.4
60	0.988	24.5	240	0.588	20.0
70	1.000	24.6	250	0.733	21.9
80	0.987	24.5	260	0.854	23.2
90	0.940	24.1	270	0.940	24.1
100	0.854	23.2	280	0.987	24.5
110	0.733	21.9	290	1.000	24.6
120	0.588	20.0	300	0.988	24.5
130	0.437	17.4	310	0.963	24.3
140	0.302	14.2	320	0.936	24.0
150	0.218	11.4	330	0.917	23.8
160	0.207	10.9	340	0.905	23.7
170	0.232	11.9	350	0.900	23.7

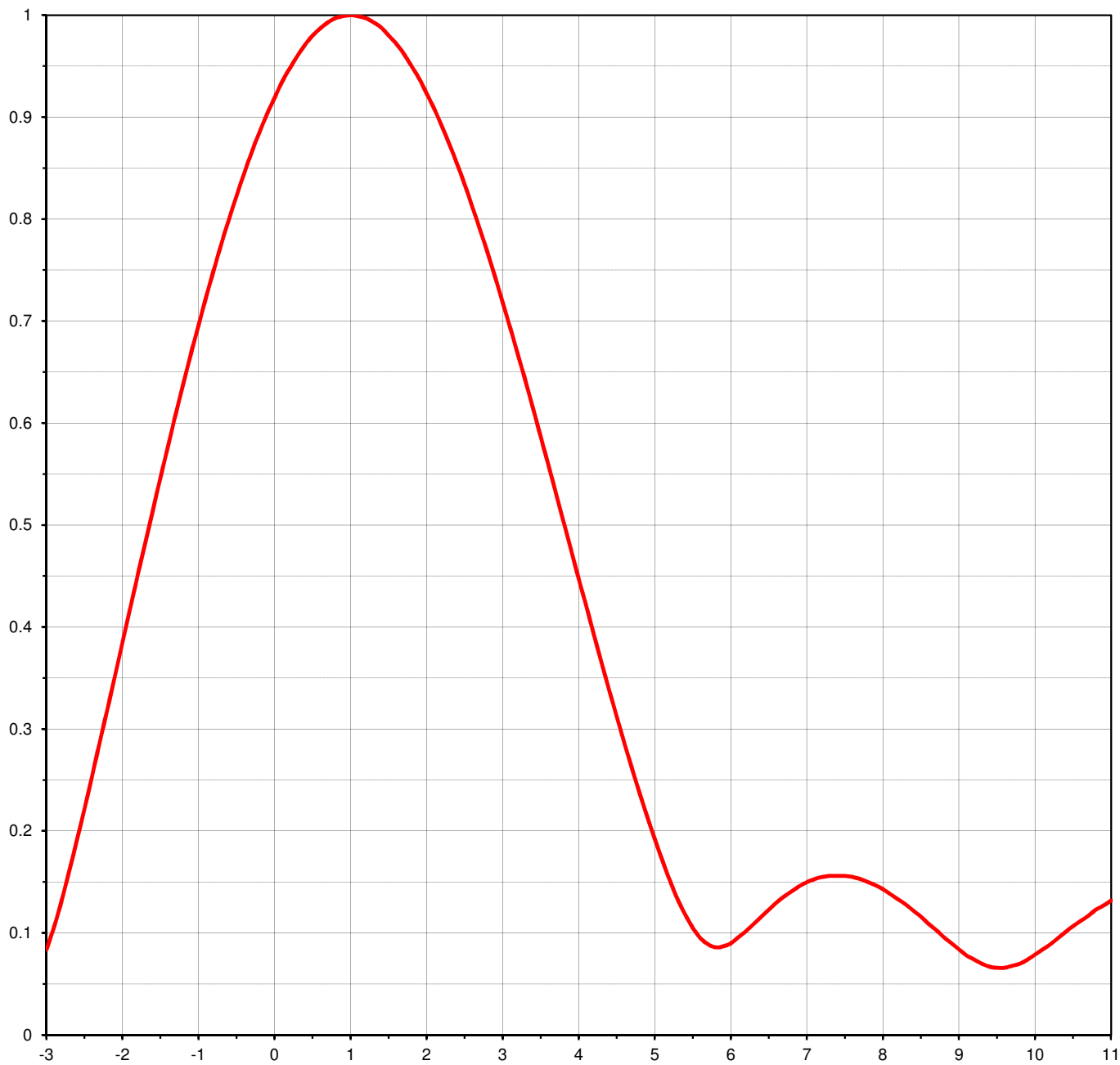
SITE 2 ANTENNA



Proposal Number	C-06256-2	Revision:	2
Date	1-May-15		
Call Letters		Channel	43
Location	Baltimore, MD		
Customer	Sinclair		
Antenna Type	TFU-12JSC/VP-F-R		

ELEVATION PATTERN

RMS Gain at Main Lobe	12.00 (10.79 dB)	Beam Tilt	1.00 deg
RMS Gain at Horizontal	10.10 (10.04 dB)	Frequency	647.00 MHz
Calculated / Measured	Calculated	Drawing #	12B120100



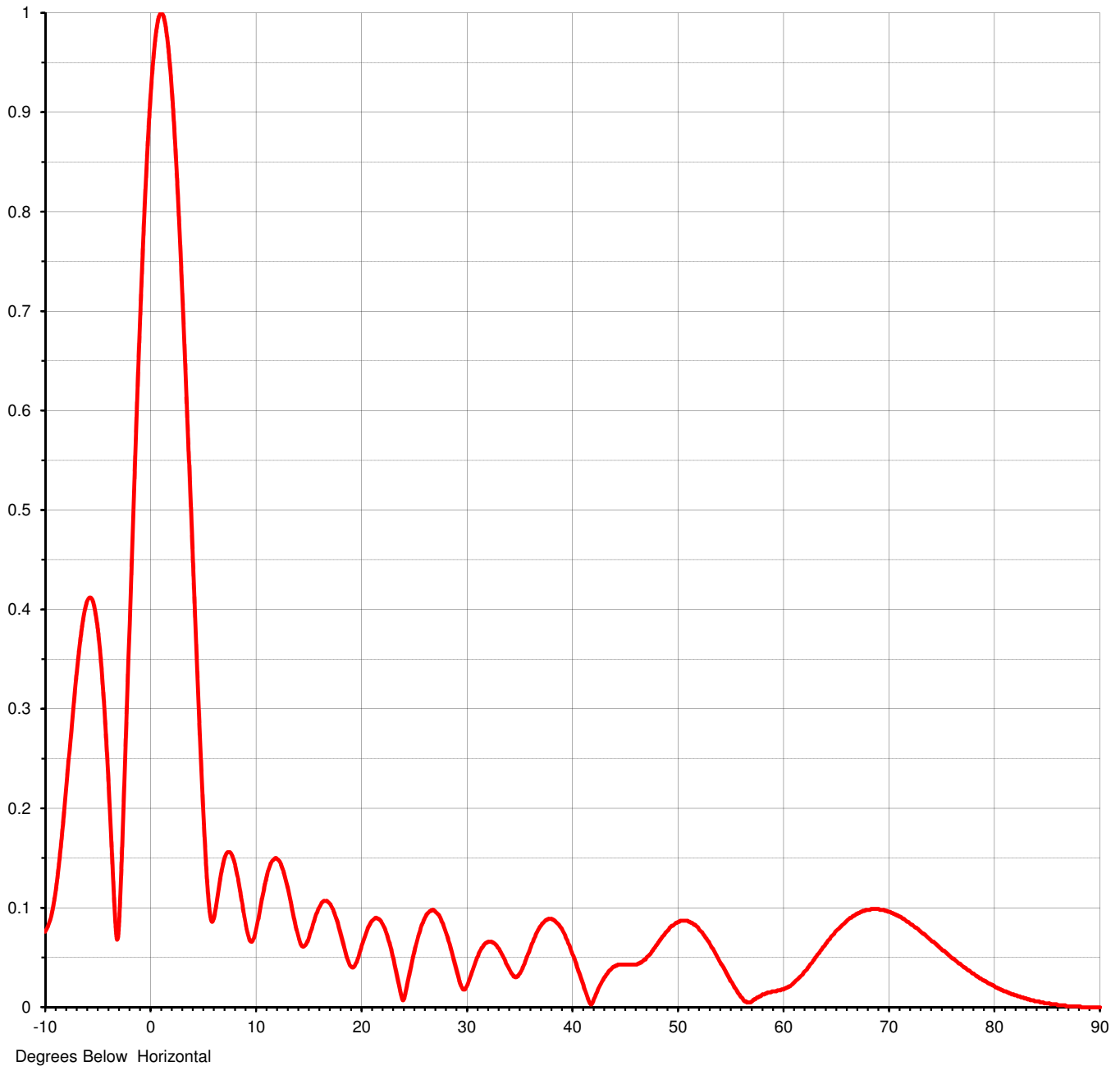
Degrees Below Horizontal



Proposal Number	C-06256-2	Revision:	2
Date	1-May-15		
Call Letters		Channel	43
Location	Baltimore, MD		
Customer	Sinclair		
Antenna Type	TFU-12JSC/VP-F-R		

ELEVATION PATTERN

RMS Gain at Main Lobe	12.00 (10.79 dB)	Beam Tilt	1.00 deg
RMS Gain at Horizontal	10.10 (10.04 dB)	Frequency	647.00 MHz
Calculated / Measured	Calculated	Drawing #	12B120100-90





Proposal Number **C-06256-2** Revision: **2**
Date **1-May-15**
Call Letters Channel **43**
Location **Baltimore, MD**
Customer **Sinclair**
Antenna Type **TFU-12JSC/VP-F-R**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **12B120100-90**

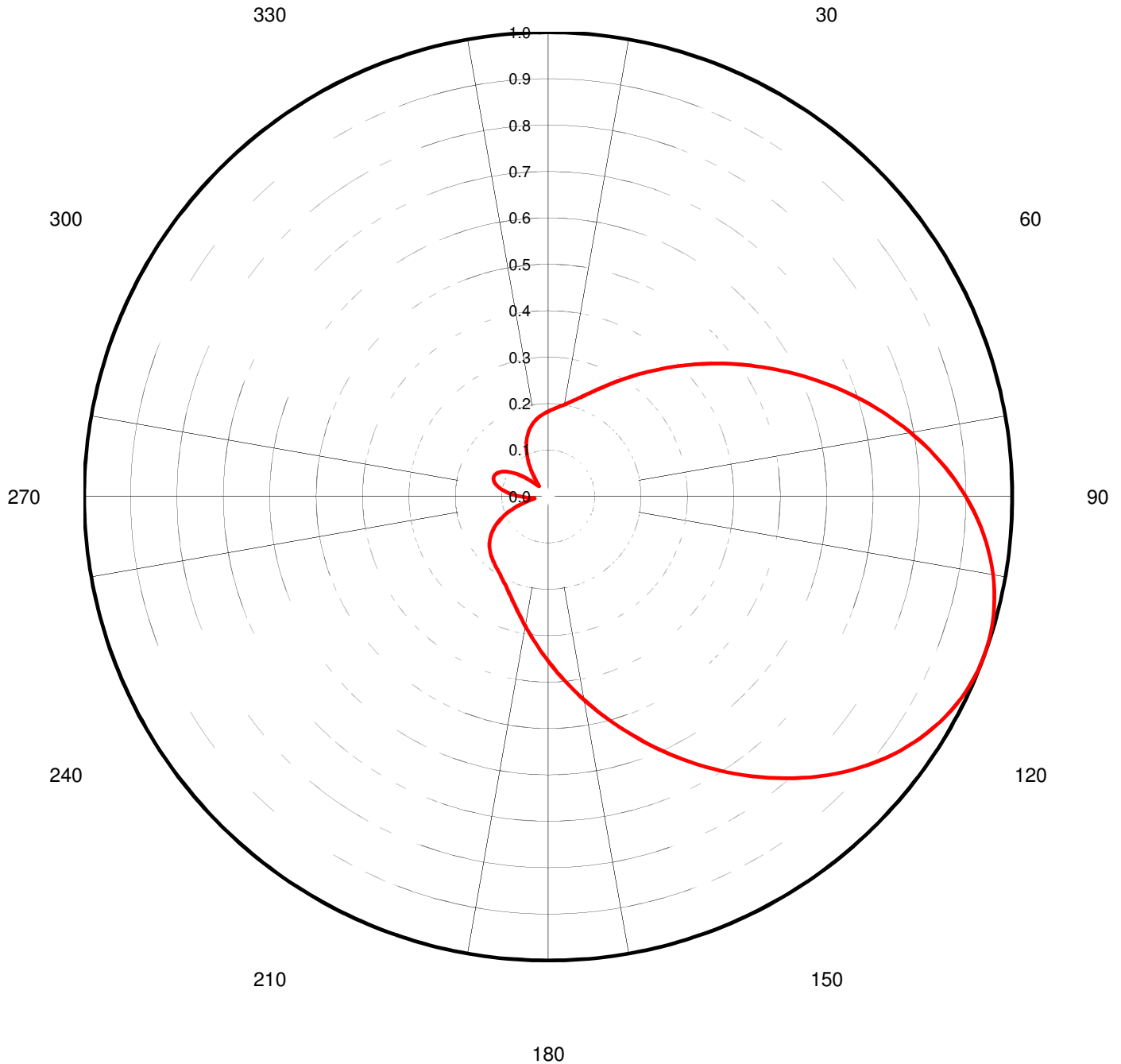
Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.076	2.4	0.854	10.6	0.107	30.5	0.034	51.0	0.087	71.5	0.088
-9.5	0.089	2.6	0.812	10.8	0.117	31.0	0.049	51.5	0.084	72.0	0.084
-9.0	0.117	2.8	0.767	11.0	0.127	31.5	0.060	52.0	0.080	72.5	0.080
-8.5	0.163	3.0	0.718	11.5	0.145	32.0	0.065	52.5	0.073	73.0	0.076
-8.0	0.221	3.2	0.667	12.0	0.150	32.5	0.065	53.0	0.066	73.5	0.072
-7.5	0.282	3.4	0.614	12.5	0.142	33.0	0.060	53.5	0.057	74.0	0.067
-7.0	0.339	3.6	0.559	13.0	0.124	33.5	0.051	54.0	0.047	74.5	0.063
-6.5	0.384	3.8	0.503	13.5	0.099	34.0	0.040	54.5	0.038	75.0	0.058
-6.0	0.409	4.0	0.447	14.0	0.075	34.5	0.031	55.0	0.028	75.5	0.054
-5.5	0.409	4.2	0.392	14.5	0.061	35.0	0.033	55.5	0.019	76.0	0.049
-5.0	0.379	4.4	0.338	15.0	0.067	35.5	0.043	56.0	0.011	76.5	0.045
-4.5	0.317	4.6	0.286	15.5	0.084	36.0	0.057	56.5	0.006	77.0	0.041
-4.0	0.227	4.8	0.237	16.0	0.099	36.5	0.070	57.0	0.005	77.5	0.037
-3.5	0.116	5.0	0.192	16.5	0.107	37.0	0.081	57.5	0.009	78.0	0.034
-3.0	0.084	5.2	0.151	17.0	0.105	37.5	0.087	58.0	0.012	78.5	0.030
-2.8	0.132	5.4	0.118	17.5	0.095	38.0	0.089	58.5	0.014	79.0	0.027
-2.6	0.191	5.6	0.095	18.0	0.078	38.5	0.086	59.0	0.016	79.5	0.024
-2.4	0.254	5.8	0.086	18.5	0.058	39.0	0.080	59.5	0.017	80.0	0.021
-2.2	0.319	6.0	0.090	19.0	0.042	39.5	0.069	60.0	0.018	80.5	0.018
-2.0	0.385	6.2	0.102	19.5	0.043	40.0	0.056	60.5	0.020	81.0	0.016
-1.8	0.451	6.4	0.116	20.0	0.058	40.5	0.041	61.0	0.024	81.5	0.014
-1.6	0.515	6.6	0.130	20.5	0.074	41.0	0.026	61.5	0.029	82.0	0.012
-1.4	0.578	6.8	0.141	21.0	0.086	41.5	0.010	62.0	0.035	82.5	0.010
-1.2	0.639	7.0	0.150	21.5	0.090	42.0	0.005	62.5	0.041	83.0	0.009
-1.0	0.696	7.2	0.155	22.0	0.085	42.5	0.018	63.0	0.048	83.5	0.007
-0.8	0.750	7.4	0.156	22.5	0.073	43.0	0.028	63.5	0.055	84.0	0.006
-0.6	0.800	7.6	0.155	23.0	0.053	43.5	0.036	64.0	0.062	84.5	0.005
-0.4	0.845	7.8	0.150	23.5	0.029	44.0	0.041	64.5	0.071	85.0	0.004
-0.2	0.885	8.0	0.143	24.0	0.007	44.5	0.043	65.0	0.077	85.5	0.003
0.0	0.919	8.2	0.133	24.5	0.027	45.0	0.043	65.5	0.082	86.0	0.002
0.2	0.948	8.4	0.122	25.0	0.052	45.5	0.043	66.0	0.087	86.5	0.002
0.4	0.971	8.6	0.109	25.5	0.073	46.0	0.043	66.5	0.091	87.0	0.001
0.6	0.987	8.8	0.096	26.0	0.088	46.5	0.045	67.0	0.094	87.5	0.001
0.8	0.997	9.0	0.084	26.5	0.096	47.0	0.048	67.5	0.097	88.0	0.001
1.0	1.000	9.2	0.074	27.0	0.097	47.5	0.054	68.0	0.098	88.5	0.000
1.2	0.997	9.4	0.067	27.5	0.091	48.0	0.062	68.5	0.099	89.0	0.000
1.4	0.988	9.6	0.066	28.0	0.078	48.5	0.069	69.0	0.099	89.5	0.000
1.6	0.972	9.8	0.068	28.5	0.061	49.0	0.076	69.5	0.098	90.0	0.000
1.8	0.950	10.0	0.074	29.0	0.041	49.5	0.082	70.0	0.096		
2.0	0.923	10.2	0.084	29.5	0.022	50.0	0.085	70.5	0.094		
2.2	0.891	10.4	0.095	30.0	0.020	50.5	0.087	71.0	0.091		

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Proposal Number	C-06256-2	Revision:	2
Date	1-May-15		
Call Letters		Channel	43
Location	Baltimore, MD		
Customer	Sinclair		
Antenna Type	TFU-12JSC/VP-F-R		

AZIMUTH PATTERN

Gain	4.30	(6.33 dB)	Frequency	647.00 MHz
Calculated / Measured	Calculated		Drawing #	TFU-F-D43





Proposal Number **C-06256-2** Revision: **2**
Date **1-May-15**
Call Letters Channel **43**
Location **Baltimore, MD**
Customer **Sinclair**
Antenna Type **TFU-12JSC/VP-F-R**

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #: **TFU-F-D43**

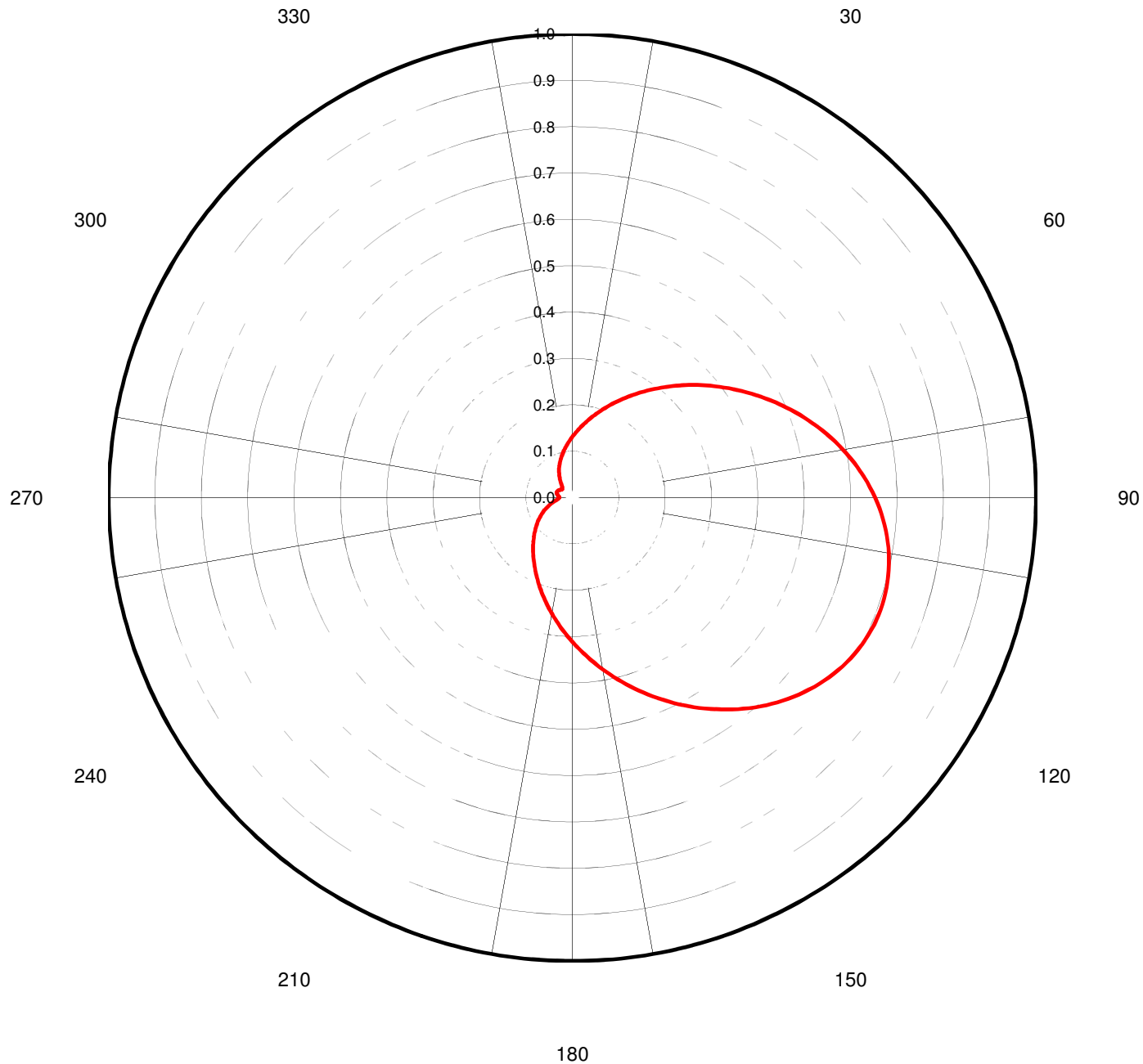
Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.183	45	0.398	90	0.900	135	0.849	180	0.355	225	0.175	270	0.060	315	0.036
1	0.185	46	0.407	91	0.909	136	0.838	181	0.347	226	0.174	271	0.066	316	0.032
2	0.187	47	0.416	92	0.918	137	0.827	182	0.339	227	0.172	272	0.071	317	0.031
3	0.188	48	0.425	93	0.926	138	0.816	183	0.331	228	0.170	273	0.076	318	0.029
4	0.190	49	0.435	94	0.934	139	0.805	184	0.324	229	0.168	274	0.081	319	0.031
5	0.191	50	0.445	95	0.942	140	0.793	185	0.317	230	0.165	275	0.086	320	0.033
6	0.193	51	0.455	96	0.949	141	0.781	186	0.310	231	0.163	276	0.091	321	0.037
7	0.195	52	0.465	97	0.956	142	0.769	187	0.303	232	0.161	277	0.095	322	0.041
8	0.197	53	0.475	98	0.962	143	0.757	188	0.296	233	0.158	278	0.099	323	0.046
9	0.199	54	0.486	99	0.968	144	0.745	189	0.290	234	0.155	279	0.103	324	0.051
10	0.201	55	0.496	100	0.974	145	0.733	190	0.283	235	0.152	280	0.107	325	0.057
11	0.204	56	0.507	101	0.978	146	0.721	191	0.278	236	0.149	281	0.110	326	0.062
12	0.206	57	0.518	102	0.983	147	0.708	192	0.272	237	0.145	282	0.113	327	0.068
13	0.209	58	0.529	103	0.987	148	0.696	193	0.266	238	0.142	283	0.116	328	0.074
14	0.212	59	0.541	104	0.990	149	0.684	194	0.261	239	0.138	284	0.118	329	0.080
15	0.215	60	0.552	105	0.993	150	0.672	195	0.255	240	0.134	285	0.120	330	0.085
16	0.218	61	0.564	106	0.996	151	0.659	196	0.250	241	0.130	286	0.122	331	0.091
17	0.221	62	0.575	107	0.997	152	0.647	197	0.246	242	0.126	287	0.123	332	0.096
18	0.225	63	0.587	108	0.999	153	0.635	198	0.241	243	0.121	288	0.124	333	0.102
19	0.228	64	0.599	109	0.999	154	0.623	199	0.237	244	0.117	289	0.125	334	0.107
20	0.232	65	0.611	110	1.000	155	0.611	200	0.232	245	0.112	290	0.125	335	0.112
21	0.237	66	0.623	111	0.999	156	0.599	201	0.228	246	0.107	291	0.125	336	0.117
22	0.241	67	0.635	112	0.999	157	0.587	202	0.225	247	0.102	292	0.124	337	0.121
23	0.246	68	0.647	113	0.997	158	0.575	203	0.221	248	0.096	293	0.123	338	0.126
24	0.250	69	0.659	114	0.996	159	0.564	204	0.218	249	0.091	294	0.122	339	0.130
25	0.255	70	0.672	115	0.993	160	0.552	205	0.215	250	0.085	295	0.120	340	0.134
26	0.261	71	0.684	116	0.990	161	0.541	206	0.212	251	0.080	296	0.118	341	0.138
27	0.266	72	0.696	117	0.987	162	0.529	207	0.209	252	0.074	297	0.116	342	0.142
28	0.272	73	0.708	118	0.983	163	0.518	208	0.206	253	0.068	298	0.113	343	0.145
29	0.278	74	0.721	119	0.978	164	0.507	209	0.204	254	0.062	299	0.110	344	0.149
30	0.283	75	0.733	120	0.974	165	0.496	210	0.201	255	0.057	300	0.107	345	0.152
31	0.290	76	0.745	121	0.968	166	0.486	211	0.199	256	0.051	301	0.103	346	0.155
32	0.296	77	0.757	122	0.962	167	0.475	212	0.197	257	0.046	302	0.099	347	0.158
33	0.303	78	0.769	123	0.956	168	0.465	213	0.195	258	0.041	303	0.095	348	0.161
34	0.310	79	0.781	124	0.949	169	0.455	214	0.193	259	0.037	304	0.091	349	0.163
35	0.317	80	0.793	125	0.942	170	0.445	215	0.191	260	0.033	305	0.086	350	0.165
36	0.324	81	0.805	126	0.934	171	0.435	216	0.190	261	0.031	306	0.081	351	0.168
37	0.331	82	0.816	127	0.926	172	0.425	217	0.188	262	0.029	307	0.076	352	0.170
38	0.339	83	0.827	128	0.918	173	0.416	218	0.187	263	0.031	308	0.071	353	0.172
39	0.347	84	0.838	129	0.909	174	0.407	219	0.185	264	0.032	309	0.066	354	0.174
40	0.355	85	0.849	130	0.900	175	0.398	220	0.183	265	0.036	310	0.060	355	0.175
41	0.363	86	0.860	131	0.890	176	0.388	221	0.182	266	0.040	311	0.055	356	0.177
42	0.371	87	0.870	132	0.880	177	0.380	222	0.180	267	0.045	312	0.050	357	0.179
43	0.380	88	0.880	133	0.870	178	0.371	223	0.179	268	0.050	313	0.045	358	0.180
44	0.389	89	0.890	134	0.860	179	0.363	224	0.177	269	0.055	314	0.040	359	0.182

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Proposal Number	C-06256	Revision:	2
Date	1-May-15		
Call Letters		Channel	43
Location	Baltimore, MD		
Customer	Sinclair		
Antenna Type	TFU-12JSC/VP-F-R		

AZIMUTH PATTERN/VERTICAL POLARIZATION

Gain	3.80	(5.80 dB)	Frequency	647.00 MHz
Calculated / Measured	Calculated		Drawing #	TFU-F-V-D43





Proposal Number

C-06256

Revision:

2

Date

1-May-15

Call Letters

Channel

43

Location

Baltimore, MD

Customer

Sinclair

Antenna Type

TFU-12JSC/VP-F-R**TABULATION OF AZIMUTH PATTERN/VERTICAL POLARIZATION**Azimuth Pattern Drawing #: **TFU-F-V-D43**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.131	45	0.343	90	0.653	135	0.625	180	0.311	225	0.117	270	0.028	315	0.031
1	0.135	46	0.349	91	0.658	136	0.619	181	0.305	226	0.114	271	0.028	316	0.032
2	0.138	47	0.356	92	0.663	137	0.612	182	0.299	227	0.112	272	0.029	317	0.033
3	0.141	48	0.363	93	0.667	138	0.606	183	0.293	228	0.109	273	0.029	318	0.034
4	0.144	49	0.369	94	0.672	139	0.600	184	0.288	229	0.106	274	0.029	319	0.035
5	0.147	50	0.376	95	0.676	140	0.593	185	0.282	230	0.104	275	0.030	320	0.037
6	0.151	51	0.383	96	0.680	141	0.586	186	0.276	231	0.101	276	0.030	321	0.039
7	0.154	52	0.390	97	0.683	142	0.579	187	0.271	232	0.099	277	0.031	322	0.040
8	0.158	53	0.397	98	0.687	143	0.572	188	0.265	233	0.096	278	0.031	323	0.042
9	0.161	54	0.404	99	0.690	144	0.565	189	0.260	234	0.094	279	0.032	324	0.044
10	0.165	55	0.411	100	0.693	145	0.558	190	0.254	235	0.091	280	0.032	325	0.046
11	0.169	56	0.418	101	0.696	146	0.551	191	0.249	236	0.089	281	0.033	326	0.048
12	0.172	57	0.426	102	0.698	147	0.544	192	0.244	237	0.087	282	0.033	327	0.050
13	0.176	58	0.433	103	0.700	148	0.537	193	0.239	238	0.084	283	0.034	328	0.052
14	0.180	59	0.440	104	0.702	149	0.529	194	0.234	239	0.082	284	0.034	329	0.054
15	0.184	60	0.448	105	0.704	150	0.522	195	0.229	240	0.079	285	0.035	330	0.057
16	0.188	61	0.455	106	0.705	151	0.514	196	0.224	241	0.077	286	0.035	331	0.059
17	0.193	62	0.462	107	0.706	152	0.507	197	0.220	242	0.075	287	0.035	332	0.061
18	0.197	63	0.470	108	0.707	153	0.500	198	0.215	243	0.072	288	0.035	333	0.063
19	0.201	64	0.477	109	0.707	154	0.492	199	0.210	244	0.070	289	0.035	334	0.066
20	0.206	65	0.485	110	0.707	155	0.485	200	0.206	245	0.068	290	0.036	335	0.068
21	0.210	66	0.492	111	0.707	156	0.477	201	0.201	246	0.066	291	0.035	336	0.070
22	0.215	67	0.500	112	0.707	157	0.470	202	0.197	247	0.063	292	0.035	337	0.072
23	0.220	68	0.507	113	0.706	158	0.462	203	0.193	248	0.061	293	0.035	338	0.075
24	0.224	69	0.514	114	0.705	159	0.455	204	0.188	249	0.059	294	0.035	339	0.077
25	0.229	70	0.522	115	0.704	160	0.448	205	0.184	250	0.057	295	0.035	340	0.079
26	0.234	71	0.529	116	0.702	161	0.440	206	0.180	251	0.054	296	0.034	341	0.082
27	0.239	72	0.537	117	0.700	162	0.433	207	0.176	252	0.052	297	0.034	342	0.084
28	0.244	73	0.544	118	0.698	163	0.426	208	0.172	253	0.050	298	0.033	343	0.087
29	0.249	74	0.551	119	0.696	164	0.418	209	0.169	254	0.048	299	0.033	344	0.089
30	0.254	75	0.558	120	0.693	165	0.411	210	0.165	255	0.046	300	0.032	345	0.091
31	0.260	76	0.565	121	0.690	166	0.404	211	0.161	256	0.044	301	0.032	346	0.094
32	0.265	77	0.572	122	0.687	167	0.397	212	0.158	257	0.042	302	0.031	347	0.096
33	0.271	78	0.579	123	0.683	168	0.390	213	0.154	258	0.040	303	0.031	348	0.099
34	0.276	79	0.586	124	0.680	169	0.383	214	0.151	259	0.039	304	0.030	349	0.101
35	0.282	80	0.593	125	0.676	170	0.376	215	0.147	260	0.037	305	0.030	350	0.104
36	0.288	81	0.600	126	0.672	171	0.369	216	0.144	261	0.035	306	0.029	351	0.106
37	0.293	82	0.606	127	0.667	172	0.363	217	0.141	262	0.034	307	0.029	352	0.109
38	0.299	83	0.612	128	0.663	173	0.356	218	0.138	263	0.033	308	0.029	353	0.112
39	0.305	84	0.619	129	0.658	174	0.349	219	0.135	264	0.032	309	0.028	354	0.114
40	0.311	85	0.625	130	0.653	175	0.343	220	0.131	265	0.031	310	0.028	355	0.117
41	0.318	86	0.631	131	0.647	176	0.336	221	0.128	266	0.030	311	0.029	356	0.120
42	0.324	87	0.636	132	0.642	177	0.330	222	0.126	267	0.029	312	0.029	357	0.123
43	0.330	88	0.642	133	0.636	178	0.324	223	0.123	268	0.029	313	0.029	358	0.126
44	0.336	89	0.647	134	0.631	179	0.318	224	0.120	269	0.029	314	0.030	359	0.128

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OET-69 Interference Study

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/space/software/cdbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-13-2017 Time: 17:33:44

Record Selected for Analysis (Record is a DTS)

SFN-BW41 BDTS -30000101DTS BALTIMORE MD US
Channel 41 ERP 290 kW HAAT 313.0 m RCAMSL 414.0 m
Latitude 39 -17-15 Longitude 76 -45-38
Status APP Zone 1 Border Site number: 01
Dir Antenna Make CDB Model 00000000105375 Beam tilt N Ref Azimuth 0.0
Last update Cutoff date 40000101 Docket
Comments
Applicant

WSFN-BW BDTS -30000101DTS BALTIMORE MD US
Channel 41 ERP 120 kW HAAT 169.0 m RCAMSL 236.9 m
Latitude 38 -56-24 Longitude 77 -04-54
Status APP Zone 1 Border Site number: 02
Dir Antenna Make usr Model TFU_12JSC_F Beam tilt N Ref Azimuth 0.0
Last update Cutoff date 40000101 Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Facility (site # 02) meets maximum height/power limits

Site number	1			
Azimuth	ERP	HAAT	41.0	dBu F(50,90)
(Deg)	(kW)	(m)	(km)	
0.0	234.378	267.1	80.186	
45.0	261.450	302.2	85.170	
90.0	256.244	368.9	92.060	
135.0	39.594	368.9	78.875	
180.0	17.407	343.2	71.554	
225.0	39.594	305.9	73.521	

270.0	256.244	281.7	82.345
315.0	261.450	288.0	83.308

Database HAAT does not agree with computed HAAT
 Database HAAT: 313 Computed HAAT: 316

Site number	2			
Azimuth	ERP	HAAT	41.0	dBu F(50,90)
(Deg)	(kW)	(m)		(km)
0.0	3.721	145.3		50.913
45.0	17.863	159.0		59.275
90.0	91.397	196.6		69.907
135.0	80.984	204.9		69.897
180.0	14.192	196.2		60.654
225.0	3.364	145.8		50.459
270.0	0.401	152.3		40.139
315.0	0.184	152.1		36.113

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
 to Class A stations from site # 01

Evaluation toward Class A Stations from site # 02

No Spacing violations or contour overlap
 to Class A stations from site # 02

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

SFN-BW41 41 BALTIMORE MD BDTs 30000101DTS Site # 01

and station

SHORT TO: WUTB 41 BALTIMORE MD BLCDT 20100809CHT
 039-17-15 0076-45-38
 Req. separation 196.3 Actual separation 0.0 Short 196.3 km

SHORT TO: WUTB 41 BALTIMORE MD DTVPLN DTVP1484
39 -17-15 76 -45-38
Req. separation 196.3 Actual separation 0.0 Short 196.3 km

SHORT TO: WMPT 42 ANNAPOLIS MD BLEDT 20100813BHC
039-00-36 0076-36-33
Req. separation => 24.0 <= 110.0 Actual separation 33.5 Short 76.5(
9.5) km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 01

SPACING VIOLATION FOUND BETWEEN STATION

WSFN-BW 41 BALTIMORE MD BDTS 30000101DTS Site # 02

and station

SHORT TO: WNUV 40 BALTIMORE MD BMLCDT 20110131ASB
039-20-10 0076-38-59
Req. separation => 24.0 <= 110.0 Actual separation 57.7 Short 52.3(
33.7) km

SHORT TO: WUTB 41 BALTIMORE MD BLCDDT 20100809CHT
039-17-15 0076-45-38
Req. separation 196.3 Actual separation 47.5 Short 148.8 km

SHORT TO: WUTB 41 BALTIMORE MD DTVPLN DTVP1484
39 -17-15 76 -45-38
Req. separation 196.3 Actual separation 47.5 Short 148.8 km

SHORT TO: WMPT 42 ANNAPOLIS MD BLEDT 20100813BHC
039-00-36 0076-36-33
Req. separation => 24.0 <= 110.0 Actual separation 41.7 Short 68.3(
17.7) km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 02

Checks to Site Number 01

Proposed facility is 14.6km from FCC Monitoring station at
 Laurel MD
 Bearing: 201.1 degrees ERP: 12.57 kW HAAT: 307.4 m
 Field = 16.8 mV/m

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Checks to Site Number 02

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Proposed Station				
Channel	Call	City/State	ARN	
41	SFN-BW41	BALTIMORE MD	BDTS	30000101DTS

Stations Potentially Affected by Proposed Station

Chan No.	Call	City/State	Dist(km)	Status	Application Ref.
40	WNUV	BALTIMORE MD	11.0	LIC	BMLCDT
20110131ASB					
40	WAHU-CD	CHARLOTTESVILLE VA	208.1	LIC	BLDTA
20101223ABU					
41	WEDY	NEW HAVEN CT	397.6	LIC	BLANK
0000001041					
41	WKBN-TV	YOUNGSTOWN OH	384.0	LIC	BLCDT
20120224AAD					

41	WVIA-TV	SCRANTON PA	223.7	LIC	BLEDT
20120319AAB					
42	WMPT	ANNAPOLIS MD	33.5	LIC	BLEDT
20100813BHC					
42	WTFX-TV	PHILADELPHIA PA	154.8	LIC	BLCDT
20120511ADN					
42	WCVE-TV	RICHMOND VA	210.5	LIC	BLCDT
20050606AHG					

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
40	WNUV	BALTIMORE MD	BMLCDT	-20110131ASB

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
39	WJAL	HAGERSTOWN MD	128.6	LIC	BLCDT	-
20090804ACD						
39	WLVT-TV	ALLENTOWN PA	171.1	LIC	BLEDT	-
20090605ABD						
40	WXTV-DT	PATERSON NJ	275.7	LIC	BLCDT	-
20050214AGS						
40	WTKR	NORFOLK VA	281.2	LIC	BLCDT	-
20050617AAW						
41	WUTB	BALTIMORE MD	11.0	PLN	DTVPLN	-
DTVP1484						
41	WVIA-TV	SCRANTON PA	215.5	LIC	BLEDT	-
20120319AAB						
41	SFN-BW41	BALTIMORE MD	11.0	APP	BDTS	-
30000101DTS						
41	WSFN-BW	BALTIMORE MD	57.7	APP	BDTS	-
30000101DTS						

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 1
Before Analysis

Results for: 40A MD BALTIMORE BMLCDT 20110131ASB LIC

HAAT 373.0 m, ATV ERP 845.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7963729	28066.0
not affected by terrain losses	7814503	27010.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	41017	241.7

lost to ATV IX only	41017	241.7
lost to all IX	41017	241.7

Potential Interfering Stations Included in above Scenario 1

39A MD HAGERSTOWN	BLCDDT	20090804ACD	LIC
40A NJ PATERSON	BLCDDT	20050214AGS	LIC
40A VA NORFOLK	BLCDDT	20050617AAW	LIC
41A MD BALTIMORE	DTVPLN	DTVP1484	PLN

After Analysis

Results for: 40A MD BALTIMORE BMLCDDT 20110131ASB LIC

HAAT 373.0 m, ATV ERP 845.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7963729	28066.0
not affected by terrain losses	7814503	27010.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	141134	306.2
lost to ATV IX only	141134	306.2
lost to all IX	141134	306.2

Potential Interfering Stations Included in above Scenario 1

39A MD HAGERSTOWN	BLCDDT	20090804ACD	LIC
40A NJ PATERSON	BLCDDT	20050214AGS	LIC
40A VA NORFOLK	BLCDDT	20050617AAW	LIC
41A MD BALTIMORE	BDTS	30000101DTS	APP

The following station failed the de minimis interference criteria.

41D MD BALTIMORE BDTS 30000101DTS
 ERP 290.00 kW HAAT 313.0 m RCAMSL 414.0 m
 Antenna CDB 00000000105375

Due to interference to the following station and scenario: 1

40D MD BALTIMORE BMLCDDT 20110131ASB
 ERP 845.00 kW HAAT 373.0 m RCAMSL 456.0 m
 Antenna CDB 00000000106798

Percent new interference from proposal: 1.2879 to BMLCDDT
 20110131ASB

Worst case new IX 1.2879% Scenario 1

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
40	WAHU-CD	CHARLOTTESVILLE VA	BLDTA -20101223ABU

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
40	WNUV	BALTIMORE MD	218.7	LIC	BMLCDT	-
20110131	ASB					
40	WTNC-LD	DURHAM NC	218.0	LIC	BLDTL	-
20100611	AHD					
40	WHKY-TV	HICKORY NC	366.9	LIC	BLCDT	-
20110927	ACZ					
40	WHKY-TV	HICKORY NC	359.0	LIC	BLCDT	-
20110927	ACZ					
40	WHIZ-TV	ZANESVILLE OH	372.0	LIC	BLCDT	-
20080222	AAV					
40	WHIZ-TV	ZANESVILLE OH	372.0	CP	BLANK	-
00000223	30					
40	WYAT-LP	MARTINSVILLE VA	187.2	CP	BDFCDTL	-
20121001	AHE					
40	WYAT-LP	MARTINSVILLE VA	187.2	LIC	BLTTL	-
20060508	AAA					
40	WTKR	NORFOLK VA	218.1	LIC	BLCDT	-
20050617	AAW					
40	WLFB	BLUEFIELD WV	258.6	LIC	BLCDT	-
20120228	ACM					
40	W40DG-D	CLARKSBURG WV	213.1	CP	BNPDTL	-
20100331	AFC					
40	W40AS-D	MOOREFIELD WV	117.0	LIC	BLDTT	-
20120608	ACC					
41	W41DT-D	STAUNTON VA	75.5	LIC	BLDTT	-
20110110	AAC					
41	SFN-BW41	BALTIMORE MD	208.1	APP	BDS	-
30000101	DTS					
41	WSFN-BW	BALTIMORE MD		APP	BDS	-
30000101	DTS					

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WEDY	NEW HAVEN CT	BLANK	-0000001041

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
40	WGGB-TV	SPRINGFIELD MA	103.7	LIC	BLCDT	-
20100702	BBL					

40	WDPX-TV	VINEYARD HAVEN MA	216.8	LIC	BLCDT	-
20110615ABP						
40	WXTV-DT	PATERSON NJ	111.1	LIC	BLCDT	-
20050214AGS						
41	WLVI	CAMBRIDGE MA	176.9	LIC	BLCDT	-
20110325AAM						
41	WUTB	BALTIMORE MD	397.6	PLN	DTVPLN	-
DTVP1484						
41	WPBS-DT	WATERTOWN NY	364.1	LIC	BLEDT	-
20050923AGH						
41	WVIA-TV	SCRANTON PA	248.2	LIC	BLEDT	-
20120319AAB						
42	WZME	BRIDGEPORT CT	111.1	APP	BPCDT	-
20120601ARY						
42	WZME	BRIDGEPORT CT	17.6	APP	BPCDT	-
20120601ARY						
42	WZME	BRIDGEPORT CT	17.6	LIC	BLCDT	-
20061218ACB						
42	WHDH	BOSTON MA	177.6	LIC	BLCDT	-
20101217AAX						
41	SFN-BW41	BALTIMORE MD	397.6	APP	BDTS	-
30000101DTS						
41	WSFN-BW	BALTIMORE MD		APP	BDTS	-
30000101DTS						
Proposal causes no interference						

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WKBN-TV	YOUNGSTOWN OH	BLCDT	-20120224AAD

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
40	WHIZ-TV	ZANESVILLE OH	168.9	LIC	BLCDT	-
20080222AAV						
40	WHIZ-TV	ZANESVILLE OH	168.9	CP	BLANK	-
0000022330						
41	WUTB	BALTIMORE MD	384.0	PLN	DTVPLN	-
DTVP1484						
41	WXYZ-TV	DETROIT MI	267.1	LIC	BLCDT	-
20081222AAS						
41	WHIO-TV	DAYTON OH	338.5	LIC	BLCDT	-
20100802AZK						
41	WHIO-TV	DAYTON OH	338.5	LIC	BLANK	-
0000021849						
41	WVIA-TV	SCRANTON PA	400.0	LIC	BLEDT	-
20120319AAB						

41	WCHS-TV	CHARLESTON WV	313.4	LIC	BLCDT	-
20050621AAQ						
42	WGGN-TV	SANDUSKY OH	151.3	LIC	BLCDT	-
20090309AAV						
42	WPNT	PITTSBURGH PA	82.5	LIC	BLCDT	-
20060608AAB						
41	SFN-BW41	BALTIMORE MD	384.0	APP	BDTS	-
30000101DTS						
41	WSFN-BW	BALTIMORE MD	383.9	APP	BDTS	-
30000101DTS						

Total scenarios = 2

Result key: 2
 Scenario 1 Affected station 4
 Before Analysis

Results for: 41A OH YOUNGSTOWN BLCDT 20120224AAD LIC
 HAAT 440.0 m, ATV ERP 650.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5778051	34374.7
not affected by terrain losses	5255815	32944.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1302715	2663.7
lost to ATV IX only	1302715	2663.7
lost to all IX	1302715	2663.7

Potential Interfering Stations Included in above Scenario 1

41A MI DETROIT	BLCDT	20081222AAS	LIC
41A OH DAYTON	BLCDT	20100802AZK	LIC
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A OH SANDUSKY	BLCDT	20090309AAV	LIC
42A PA PITTSBURGH	BLCDT	20060608AAB	LIC

After Analysis

Results for: 41A OH YOUNGSTOWN BLCDT 20120224AAD LIC
 HAAT 440.0 m, ATV ERP 650.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5778051	34374.7
not affected by terrain losses	5255815	32944.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1302844	2667.7
lost to ATV IX only	1302844	2667.7
lost to all IX	1302844	2667.7

Potential Interfering Stations Included in above Scenario 1

41A MI DETROIT	BLCDT	20081222AAS	LIC
41A OH DAYTON	BLCDT	20100802AZK	LIC
41A WV CHARLESTON	BLCDT	20050621AAQ	LIC
42A OH SANDUSKY	BLCDT	20090309AAV	LIC

42A PA PITTSBURGH	BLCDDT	20060608AAB	LIC
41A MD BALTIMORE	BDTS	30000101DTS	APP

Percent new IX = 0.0033%

Result key: 3
 Scenario 2 Affected station 4
 Before Analysis

Results for: 41A OH YOUNGSTOWN BLCDDT 20120224AAD LIC
 HAAT 440.0 m, ATV ERP 650.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5778051	34374.7
not affected by terrain losses	5255815	32944.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1302715	2663.7
lost to ATV IX only	1302715	2663.7
lost to all IX	1302715	2663.7

Potential Interfering Stations Included in above Scenario 2

41A MI DETROIT	BLCDDT	20081222AAS	LIC
41A OH DAYTON	BLANK	0000021849	LIC
41A WV CHARLESTON	BLCDDT	20050621AAQ	LIC
42A OH SANDUSKY	BLCDDT	20090309AAV	LIC
42A PA PITTSBURGH	BLCDDT	20060608AAB	LIC

After Analysis

Results for: 41A OH YOUNGSTOWN BLCDDT 20120224AAD LIC
 HAAT 440.0 m, ATV ERP 650.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	5778051	34374.7
not affected by terrain losses	5255815	32944.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1302844	2667.7
lost to ATV IX only	1302844	2667.7
lost to all IX	1302844	2667.7

Potential Interfering Stations Included in above Scenario 2

41A MI DETROIT	BLCDDT	20081222AAS	LIC
41A OH DAYTON	BLANK	0000021849	LIC
41A WV CHARLESTON	BLCDDT	20050621AAQ	LIC
42A OH SANDUSKY	BLCDDT	20090309AAV	LIC
42A PA PITTSBURGH	BLCDDT	20060608AAB	LIC
41A MD BALTIMORE	BDTS	30000101DTS	APP

Percent new IX = 0.0033%

Worst case new IX 0.0033% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WVIA-TV	SCRANTON PA	BLEDT	-20120319AAB

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.	
40	WNUV	BALTIMORE MD	215.5	LIC	BMLCDT	-	
20110131	ASB						
40	WXTV-DT	PATERSON NJ	165.4	LIC	BLCDT	-	
20050214	AGS						
41	WEDY	NEW HAVEN CT	248.2	LIC	BLANK	-	
00000010	41	WLVI	CAMBRIDGE MA	405.4	LIC	BLCDT	-
20110325	AAM						
41	WUTB	BALTIMORE MD	223.7	PLN	DTVPLN	-	
DTVP1484							
41	WPBS-DT	WATERTOWN NY	298.2	LIC	BLEDT	-	
20050923	AGH						
41	WKBN-TV	YOUNGSTOWN OH	400.0	LIC	BLCDT	-	
20120224	AAD						
42	WZME	BRIDGEPORT CT	165.4	APP	BPCDT	-	
20120601	ARY						
42	WSKG-TV	BINGHAMTON NY	97.9	LIC	BLEDT	-	
20050526	ACA						
42	WTXF-TV	PHILADELPHIA PA	137.6	LIC	BLCDT	-	
20120511	ADN						
41	SFN-BW41	BALTIMORE MD	223.7	APP	BDS	-	
30000101	DTS						
41	WSFN-BW	BALTIMORE MD	269.6	APP	BDS	-	
30000101	DTS						
42	WZME	BRIDGEPORT CT		APP	BPCDT	-	
20120601	ARY						

Total scenarios = 1

Result key: 4
Scenario 1 Affected station 5
Before Analysis

Results for: 41A PA SCRANTON BLEDT 20120319AAB LIC

HAAT 510.0 m, ATV ERP 365.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2848395	34010.9
not affected by terrain losses	2288704	28141.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	69838	1117.8
lost to ATV IX only	69838	1117.8

lost to all IX 69838 1117.8

Potential Interfering Stations Included in above Scenario 1

40A NJ PATERSON	BLCDT	20050214AGS	LIC
41A CT NEW HAVEN	BLANK	0000001041	LIC
41A NY WATERTOWN	BLEDT	20050923AGH	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDT	20120511ADN	LIC
41A MD BALTIMORE	DTVPLN	DTVP1484	PLN

After Analysis

Results for: 41A PA SCRANTON BLEDT 20120319AAB LIC
HAAT 510.0 m, ATV ERP 365.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2848395	34010.9
not affected by terrain losses	2288704	28141.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	75142	1197.9
lost to ATV IX only	75142	1197.9
lost to all IX	75142	1197.9

Potential Interfering Stations Included in above Scenario 1

40A NJ PATERSON	BLCDT	20050214AGS	LIC
41A CT NEW HAVEN	BLANK	0000001041	LIC
41A NY WATERTOWN	BLEDT	20050923AGH	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDT	20120511ADN	LIC
41A MD BALTIMORE	BDTS	30000101DTS	APP

Percent new IX = 0.2390%

Worst case new IX 0.2390% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WMPT	ANNAPOLIS MD	BLEDT	-20100813BHC

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
41	WUTB	BALTIMORE MD	33.5	PLN	DTVPLN	-
DTVP1484						
42	WZME	BRIDGEPORT CT	295.6	APP	BPCDT	-
20120601ARY						

42	WZME	BRIDGEPORT CT	395.5	APP	BPCDT	-
20120601ARY						
42	WZME	BRIDGEPORT CT	395.5	LIC	BLCDDT	-
20061218ACB						
42	WRAY-TV	WILSON NC	378.5	LIC	BLCDDT	-
20060609AAX						
42	WSKG-TV	BINGHAMTON NY	343.7	LIC	BLEDT	-
20050526ACA						
42	WTFX-TV	PHILADELPHIA PA	164.1	LIC	BLCDDT	-
20120511ADN						
42	WPNT	PITTSBURGH PA	333.8	LIC	BLCDDT	-
20060608AAB						
42	WCVE-TV	RICHMOND VA	187.6	LIC	BLCDDT	-
20050606AHG						
43	WNJT	TRENTON NJ	217.0	LIC	BLEDT	-
20110427ABE						
41	SFN-BW41	BALTIMORE MD	33.5	APP	BDTS	-
30000101DTS						
41	WSFN-BW	BALTIMORE MD	41.6	APP	BDTS	-
30000101DTS						

Total scenarios = 2

Result key: 5
Scenario 1 Affected station 6
Before Analysis

Results for: 42A MD ANNAPOLIS BLEDT 20100813BHC LIC
HAAT 290.0 m, ATV ERP 516.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7149810	24020.0
not affected by terrain losses	7128964	23724.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	153795	2285.7
lost to ATV IX only	153795	2285.7
lost to all IX	153795	2285.7

Potential Interfering Stations Included in above Scenario 1

42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDDT	20120511ADN	LIC
42A PA PITTSBURGH	BLCDDT	20060608AAB	LIC
42A VA RICHMOND	BLCDDT	20050606AHG	LIC
41A MD BALTIMORE	DTVPLN	DTVP1484	PLN

After Analysis

Results for: 42A MD ANNAPOLIS BLEDT 20100813BHC LIC
HAAT 290.0 m, ATV ERP 516.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7149810	24020.0
not affected by terrain losses	7128964	23724.2
lost to NTSC IX	0	0.0

lost to additional IX by ATV	172410	2377.6
lost to ATV IX only	172410	2377.6
lost to all IX	172410	2377.6

Potential Interfering Stations Included in above Scenario 1

42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDDT	20120511ADN	LIC
42A PA PITTSBURGH	BLCDDT	20060608AAB	LIC
42A VA RICHMOND	BLCDDT	20050606AHG	LIC
41A MD BALTIMORE	BDTS	30000101DTS	APP

Percent new IX = 0.2669%

Result key: 6
 Scenario 2 Affected station 6
 Before Analysis

Results for: 42A MD ANNAPOLIS BLEDT 20100813BHC LIC

HAAT 290.0 m, ATV ERP 516.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7149810	24020.0
not affected by terrain losses	7128964	23724.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	153795	2285.7
lost to ATV IX only	153795	2285.7
lost to all IX	153795	2285.7

Potential Interfering Stations Included in above Scenario 2

42A CT BRIDGEPORT	BPCDDT	20120601ARY	APP
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDDT	20120511ADN	LIC
42A PA PITTSBURGH	BLCDDT	20060608AAB	LIC
42A VA RICHMOND	BLCDDT	20050606AHG	LIC
41A MD BALTIMORE	DTVPLN	DTVP1484	PLN

After Analysis

Results for: 42A MD ANNAPOLIS BLEDT 20100813BHC LIC

HAAT 290.0 m, ATV ERP 516.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7149810	24020.0
not affected by terrain losses	7128964	23724.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	172410	2377.6
lost to ATV IX only	172410	2377.6
lost to all IX	172410	2377.6

Potential Interfering Stations Included in above Scenario 2

42A CT BRIDGEPORT	BPCDDT	20120601ARY	APP
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
42A PA PHILADELPHIA	BLCDDT	20120511ADN	LIC

42A PA PITTSBURGH	BLCDDT	20060608AAB	LIC
42A VA RICHMOND	BLCDDT	20050606AHG	LIC
41A MD BALTIMORE	BDTS	30000101DTS	APP

Percent new IX = 0.2669%

Worst case new IX 0.2669% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WTFX-TV	PHILADELPHIA PA	BLCDDT	-20120511ADN

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
41	WUTB	BALTIMORE MD	154.8	PLN	DTVPLN	-
DTVP1484						
41	WVIA-TV	SCRANTON PA	137.6	LIC	BLEDT	-
20120319AAB						
42	WZME	BRIDGEPORT CT	132.0	APP	BPCDDT	-
20120601ARY						
42	WZME	BRIDGEPORT CT	231.6	APP	BPCDDT	-
20120601ARY						
42	WZME	BRIDGEPORT CT	231.6	LIC	BLCDDT	-
20061218ACB						
42	WHDH	BOSTON MA	420.5	LIC	BLCDDT	-
20101217AAX						
42	WMPT	ANNAPOLIS MD	164.1	LIC	BLEDT	-
20100813BHC						
42	WSKG-TV	BINGHAMTON NY	232.3	LIC	BLEDT	-
20050526ACA						
42	WPNT	PITTSBURGH PA	407.3	LIC	BLCDDT	-
20060608AAB						
42	WCVE-TV	RICHMOND VA	347.7	LIC	BLCDDT	-
20050606AHG						
43	WNJT	TRENTON NJ	54.1	LIC	BLEDT	-
20110427ABE						
41	SFN-BW41	BALTIMORE MD	154.8	APP	BDTS	-
30000101DTS						
41	WSFN-BW	BALTIMORE MD	199.9	APP	BDTS	-
30000101DTS						

Total scenarios = 2

Result key: 7
Scenario 1 Affected station 7

Before Analysis

Results for: 42A PA PHILADELPHIA BLCDT 20120511ADN LIC
 HAAT 343.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8890686	26040.5
not affected by terrain losses	8701142	25310.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	819459	2751.3
lost to ATV IX only	819459	2751.3
lost to all IX	819459	2751.3

Potential Interfering Stations Included in above Scenario 1

41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A CT BRIDGEPORT	BLCDT	20061218ACB	LIC
42A MD ANNAPOLIS	BLEDT	20100813BHC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
43A NJ TRENTON	BLEDT	20110427ABE	LIC
41A MD BALTIMORE	DTVPLN	DTVP1484	PLN

After Analysis

Results for: 42A PA PHILADELPHIA BLCDT 20120511ADN LIC
 HAAT 343.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8890686	26040.5
not affected by terrain losses	8701142	25310.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	819459	2751.3
lost to ATV IX only	819459	2751.3
lost to all IX	819459	2751.3

Potential Interfering Stations Included in above Scenario 1

41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A CT BRIDGEPORT	BLCDT	20061218ACB	LIC
42A MD ANNAPOLIS	BLEDT	20100813BHC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
43A NJ TRENTON	BLEDT	20110427ABE	LIC
41A MD BALTIMORE	BDTS	30000101DTS	APP

Percent new IX = 0.0000%

Result key: 8
 Scenario 2 Affected station 7
 Before Analysis

Results for: 42A PA PHILADELPHIA BLCDT 20120511ADN LIC
 HAAT 343.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8890686	26040.5
not affected by terrain losses	8701142	25310.3
lost to NTSC IX	0	0.0

lost to additional IX by ATV	819535	2755.3
lost to ATV IX only	819535	2755.3
lost to all IX	819535	2755.3

Potential Interfering Stations Included in above Scenario 2

41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A CT BRIDGEPORT	BPCDT	20120601ARY	APP
42A MD ANNAPOLIS	BLEDT	20100813BHC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
43A NJ TRENTON	BLEDT	20110427ABE	LIC
41A MD BALTIMORE	DTVPLN	DTVP1484	PLN

After Analysis

Results for: 42A PA PHILADELPHIA BLC DT 20120511ADN LIC
 HAAT 343.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	8890686	26040.5
not affected by terrain losses	8701142	25310.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	819535	2755.3
lost to ATV IX only	819535	2755.3
lost to all IX	819535	2755.3

Potential Interfering Stations Included in above Scenario 2

41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A CT BRIDGEPORT	BPCDT	20120601ARY	APP
42A MD ANNAPOLIS	BLEDT	20100813BHC	LIC
42A NY BINGHAMTON	BLEDT	20050526ACA	LIC
43A NJ TRENTON	BLEDT	20110427ABE	LIC
41A MD BALTIMORE	BDTS	30000101DTS	APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WCVE-TV	RICHMOND VA	BLC DT	-20050606AHG

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
41	WUTB	BALTIMORE MD	210.5	PLN	DTVPLN	-
DTVP1484						

42	WMPT	ANNAPOLIS MD	187.6	LIC	BLEDT	-
20100813BHC						
42	WRAY-TV	WILSON NC	193.1	LIC	BLCDT	-
20060609AAX						
42	WTFX-TV	PHILADELPHIA PA	347.7	LIC	BLCDT	-
20120511ADN						
42	WPNT	PITTSBURGH PA	391.2	LIC	BLCDT	-
20060608AAB						
42	WMSY-TV	MARION VA	355.4	LIC	BLEDT	-
20030428ABS						
41	SFN-BW41	BALTIMORE MD	210.5	APP	BDTS	-
30000101DTS						
41	WSFN-BW	BALTIMORE MD	165.1	APP	BDTS	-
30000101DTS						

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 9

Analysis of current record

DTS STATION

Channel	Call	City/State	Application	Ref. No.
41	WSFN-BW	BALTIMORE MD	BDTS	-30000101DTS

Stations Potentially Affecting This Station

Chan No.	Call	City/State	Dist(km)	Status	Application	Ref.
40	WNUV	BALTIMORE MD	57.7	LIC	BMLCDT	-
20110131ASB						
41	WEDY	NEW HAVEN CT	443.0	LIC	BLANK	-
0000001041						
41	WKBN-TV	YOUNGSTOWN OH	383.9	LIC	BLCDT	-
20120224AAD						
41	WVIA-TV	SCRANTON PA	269.6	LIC	BLEDT	-
20120319AAB						
42	WMPT	ANNAPOLIS MD	41.6	LIC	BLEDT	-
20100813BHC						
42	WTFX-TV	PHILADELPHIA PA	199.9	LIC	BLCDT	-
20120511ADN						
42	WCVE-TV	RICHMOND VA	165.1	LIC	BLCDT	-
20050606AHG						

DTS Site number 02 for station 30000101DTS

Channel 41 Call WSFN-BW City/State BALTIMORE MD

Fails the service area limitations as noted below

AZIMUTH (DEGREES) EXCURSION DISTANCE KM

166.25 0.35

166.50 0.32

166.75	0.31
167.00	0.39
167.25	0.35
167.50	0.37
167.75	0.42
168.00	0.38
168.25	0.40
168.50	0.42
168.75	0.38
169.00	0.37
169.25	0.41
169.50	0.33
169.75	0.28

Total scenarios = 1

Result key: 9
 Scenario 1 Affected station 9
 Before Analysis

Results for: 41A MD BALTIMORE BDTs 30000101DTS APP
 HAAT 313.0 m, ATV ERP 290.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7492337	23413.2
not affected by terrain losses	7424080	22966.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	183932	1659.7
lost to ATV IX only	183932	1659.7
lost to all IX	183932	1659.7

Potential Interfering Stations Included in above Scenario 1

40A MD BALTIMORE	BMLCDT	20110131ASB	LIC
41A PA SCRANTON	BLEDT	20120319AAB	LIC
42A MD ANNAPOLIS	BLEDT	20100813BHC	LIC

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