

ENGINEERING EXHIBIT

Incentive Auction Channel Reassignment

Application for Minor Modification of Digital Class A Television Station

prepared for

Gray Television Licensee, LLC

WSVF-CD Harrisonburg, VA

Facility ID 190915

Ch. 36 (digital) 15 kW

Gray Television Licensee, LLC (“Gray”) is the licensee of Class A television station WSVF-CD, Facility ID 190915, Harrisonburg VA. Reassignment of WSVF-CD from Channel 43 to Channel 36 was specified in the *Incentive Auction Closing and Channel Reassignment Public Notice* (“CCRPN”, DA 17-317, released April 13, 2017). The WSVF-CD reassignment facility was recently constructed, and WSVF-CD is now licensed (file# 0000107363) to operate on Channel 36 at 15 kW effective radiated power (“ERP”) with a directional antenna at 22.6 meters height above ground level (“AGL”) from a mountaintop site. *Gray* herein seeks a Construction Permit (“CP”) for a minor modification of the licensed reassignment facility to provide corrected antenna height AGL. The correction results in a 4.4 meter increase of antenna height AGL and above mean sea level.

It has been determined that the tower structure has a greater height than the on-file records indicate. The WSVF-CD Channel 36 facility employs a replacement top-mounted antenna which has been installed on the WSVF-CD tower in lieu of the pre-auction Channel 43 antenna. The antenna’s center of radiation is 27.0 meters AGL, 4.4 meters higher than the licensed value of 22.6 meters. The overall structure elevation is less than 61 meters above ground and passes the FCC’s TOWAIR program for the transmitter location, thus FCC antenna structure registration is not necessary. No increase to the overall structure’s actual height has resulted.

The antenna is shared with *Gray's* WHSV-TV Channel 34 (Facility ID 4688, Massanutten VA, digital to digital replacement translator, file# 0000071675) and with WSVW-LD Channel 30 (Facility ID 168767, Harrisonburg VA, file# 0000105741 and 0000105743), both of which are authorized to utilize the shared broadband antenna.¹

The WSVF-CD site is located within the quiet zone area specified in §73.1030(a) requiring coordination with National Radio Astronomy Observatory ("NRAO") at Green Bank, WV. The existing WSVF-CD Channel 36 authorization was coordinated with NRAO. There is no change to the directional antenna pattern from that as authorized, which provides suppression towards NRAO and complies with the power limit identified by NRAO in the direction of the Green Bank Telescope. A description of the change in antenna height has been supplied to NRAO for review, along with a summary of the previously approved technical parameters. Upon receipt of NRAO's formal concurrence, an amendment to this application will be submitted to include the letter of concurrence.

The antenna is an ERI model ETU4U7-ETP4OX-34/36/30 having elliptical polarization (27 percent vertical polarization). The ERP is 15 kW using a "full service" out of channel emission mask. A plot of the directional antenna's azimuthal pattern is supplied in Figure 1.

Figure 2 depicts the 51 dBμ coverage contour of the licensed and proposed facilities, demonstrating compliance with §73.3572 for a minor change. The presently licensed WSVF-CD 51 dBμ contour extends beyond that of the *CCRPN* facility and resulted from a minor modification application filed during the second filing window.²

The FCC's NLSC expansion "freeze" Public Notice³ of April 5, 2013 (DA 13-618) is not applicable to reassigned stations that "have not yet completed the transition to their post-auction

¹Separate minor modification applications to correct the shared antenna height for the WHSV-TV DTDRT and WSVW-LD are being submitted contemporaneously.

²Public Notice "*Incentive Auction Task Force and Media Bureau Announce the Opening of the Second Filing Window for Eligible Full Power and Class A Television Station—October 3 Through November 2, 2017*" DA 17-911, released September 20, 2017.

³"*Media Bureau Announces Limitations on the Filing and Processing of Full Power and Class A Television*

channels,” according to the subsequent Public Notice⁴ of July 22, 2019. While WSVF-CD has commenced operation on its reassignment Channel 36, the necessary correction was identified towards the conclusion of the channel reassignment implementation. The 4.4 meter increase in antenna height extends the 51 dB μ coverage contour by approximately 0.1 km beyond that of the licensed parameters, an indistinguishable difference as depicted on Figure 2. The area within the WSVF-CD 51 dB μ contour would increase by 56.5 square kilometers, which is 0.49 percent of the area within the licensed 51 dB μ contour (11,582.2 sq km) and can be considered a *de minimis* extension. If a waiver of the freeze is necessary, then one is requested on behalf of *Gray* for the reasons described above.

Interference study per OET Bulletin 69⁵ shows that the proposal complies with the FCC’s interference protection requirements toward all post-auction digital television and Class A television stations, as well as existing and previously proposed television translator and low power television stations. The results, summarized in Table 1, show that any new interference does not exceed the FCC’s interference limits (0.5 percent to full power and Class A stations, and 2.0 percent to secondary stations) to any facility.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the FCC’s OET Bulletin Number 65. Based on OET-65 equation (10), and considering 16 percent antenna relative field in downward elevations (antenna elevation pattern data shows 16 percent relative field or less for angles 15-90 degrees below the horizontal), the calculated signal density near the tower at two meters above ground level

Station Modification Applications, Effective Immediately, and Reminds Stations of Spectrum Act Preservation Mandate,” DA 13-618, Public Notice, released April 5, 2013.

⁴“*Media Bureau Lifts the Freeze on the Filing of Minor Modification Applications that Expand the Contour of Full Power and Class A Television Stations for Certain Repacked Stations, Effective Immediately,*” DA 19-684, Public Notice, released July 22, 2019.

⁵FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 (“OET-69”). This analysis employed the FCC’s current “TVStudy” software with the default application processing template settings, 1 km cell size, and 1 km terrain increment. Comparisons of various results of this computer program (run on a Mac processor) to the FCCs implementation of TVStudy show excellent correlation.

attributable to the proposed facility is $26.1 \mu\text{W}/\text{cm}^2$, which is 6.5 percent of the general population/uncontrolled maximum permitted exposure limit. A summary is provided below of RF signal density calculations that consider other authorized and proposed broadcast emitters that are co-located or near enough to be significant emitters.

Summary of Radiofrequency Electromagnetic Field Calculations

Facility	Channel	ERP (kW)	Polarization	Relative Field	Distance (meters)	S - Calculated ($\mu\text{W}/\text{cm}^2$)	S - Limit ($\mu\text{W}/\text{cm}^2$)	Percent of Limit
WSVF-CD Proposed	36	15	E (V=27%)	0.16	25	26.1	403.3	6.5%
WHSV-TV DTDRT Proposed mod	34	15	E (V=30%)	0.15	25	23.4	395.3	5.9%
WSVW-LD proposed	30	15	E (V=37%)	0.15	25	19.8	379.3	5.2%
WACL(FM) BLH-19890315KB	253B1	0.9	C	1	60	16.7	200	8.4%
W300CN BLFT-20160526ABM	300	0.25	V	1	60	2.3	200	1.2%
Total Calculated Signal Density:								27.2%

ERP: Effective Radiated Power
 Polarization: C – Circular; E – Elliptical; H-Horizontal; V - Vertical
 Field: Elevation Pattern Relative Field Value (1.0 worst-case assumed for FM stations)
 Distance: Distance to radiation center (slant distance if not co-located with proposal)
 S-Calc: OET Bulletin 65 calculated value of signal density at two meters above ground level
 S-Limit §1.1310 occupational/controlled limit for signal density

This analysis shows that the total maximum calculated RF density at two meters above ground level near the WSVF-CD site will be 27.2 percent of the FCC's uncontrolled / general population maximum permissible exposure limit. The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC's guidelines. RF exposure warning signs will continue to be posted. With respect to worker safety, the applicant will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower, or antenna from RF electromagnetic field exposure in excess of FCC guidelines. This exhibit is limited to the evaluation of exposure to RF electromagnetic field. No increase in structure height is proposed.

List of Attachments

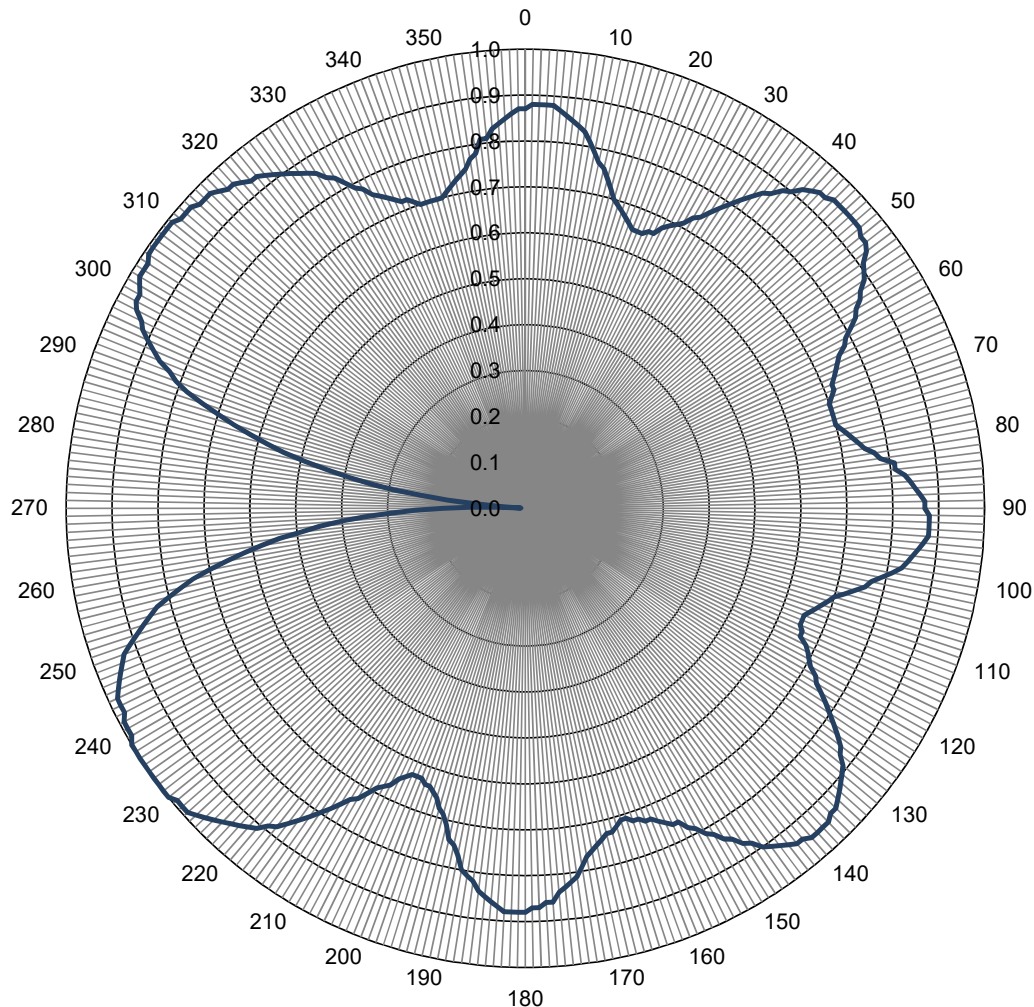
Figure 1	Antenna Azimuthal Pattern
Figure 2	Coverage Contour Comparison
Table 1	TVStudy Analysis of Proposal
Form 2100	Saved Version of Engineering Sections from FCC Form at Time of Upload

Chesapeake RF Consultants, LLC

Joseph M. Davis, P.E.	March 25, 2020	
207 Old Dominion Road	Yorktown, VA 23692	703-650-9600

Azimuth Pattern

Type:	ETUP4Ox-H	Polarization:	Horizontal
Directivity:	1.53 numeric (1.86 dB)	Frequency:	36 (ATSC)
Peak(s) at:		Location:	Harrisonburg VA
		NOTE: Pattern shape and directivity may vary with channel and mounting configuration.	

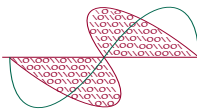
Relative Field**ELECTRONICS RESEARCH, INC. ERI****Figure 1**

**Antenna Azimuthal Pattern
WSVF-CD Harrisonburg, VA
Facility ID 190915
Ch. 36 (digital) 15 kW**

prepared for
Gray Television Licensee, LLC

March, 2020





Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Figure 2
Coverage Contour Comparison
WSVF-CD Harrisonburg, VA
Facility ID 190915
Ch. 36 (digital) 15 kW

prepared for
Gray Television Licensee, LLC

March, 2020

Licensed Ch. 36
File# 0000107363
51 dBu Contour
(black - dashed)

Proposed Ch. 36
51 dBu Contour
(red - solid)

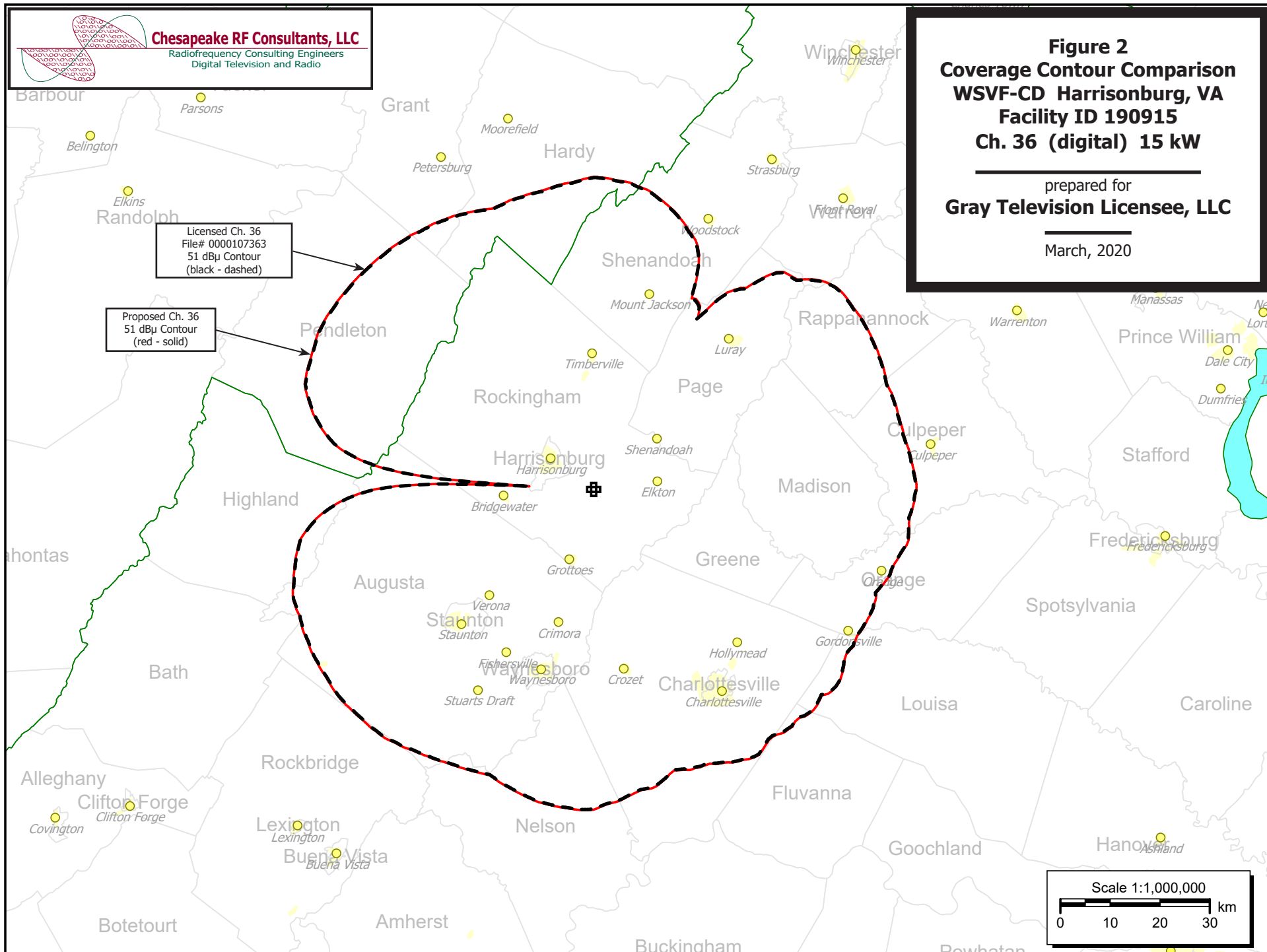


Table 1 WSVF-CD TVStudy Analysis of Proposal (page 1 of 8)



tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WSVF-CD 36_as-built, Model: Longley-Rice
Start: 2020.03.19 09:43:13

Study created: 2020.03.19 09:43:13

Study build station data: LMS TV 2020-03-17

Proposal: WSVF-CD D36 DC APP HARRISONBURG, VA
File number: WSVF-CD 36_as-built
Facility ID: 190915
Station data: User record
Record ID: 3046
Country: U.S.

Build options:
Protect LPTV records from Class A

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W22CY	N22-	TX	LIC	CLARKSBURG, WV	BLTTL20060120ADM	164.5 km
No	WJAC-TV	D35	DT	LIC	JOHNSTOWN, PA	BLANK0000080232	220.7
Yes	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	52.0
Yes	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	157.8
No	WTAP-TV	D35	DT	LIC	PARKERSBURG, WV	BLANK0000105709	264.2
No	W35DI-D	D35	LD	CP	ROANOKE, WV	BNPDTL20100514AAS	165.2
Yes	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	159.2
Yes	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	157.8
No	WKAS	D36	DT	LIC	ASHLAND, KY	BLANK0000087441	335.3
No	W30CR-D	D36	LD	CP	BISCOE, NC	BLANK0000054531	359.0
No	W24CP-D	D36	LD	CP	DURHAM, NC	BLANK0000052041	282.4
No	WEPX-TV	D36	DT	LIC	GREENVILLE, NC	BLANK0000090758	381.8
No	WAXN-TV	D36	LD	LIC	KANNAPOLIS, NC	BLCDT20100630BZK	352.3
No	WUNE-TV	D36	DT	CP	LINVILLE, NC	BLANK0000034440	375.4
No	WBFT-CD	D36	DC	CP	SANFORD, NC	BLANK0000034838	325.7
No	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	356.5
No	WNLO	D36	DT	CP	BUFFALO, NY	BLANK0000075350	474.3
No	WQHS-DT	D36	DT	LIC	CLEVELAND, OH	BLANK0000079885	415.8
No	W36EY-D	D36-	DC	LIC	BERWICK, PA	BLANK0000105623	363.5
No	W36DO-D	D36	LD	LIC	DARBY, PA	BLDTT20110711ACA	355.2
No	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	271.6
Yes	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	271.6
No	W36BE-D	D36	LD	LIC	STATE COLLEGE, PA	BLDTT20091023AIW	269.1
No	WWLM-CD	D36	DC	LIC	WASHINGTON, PA	BLANK0000079959	236.0
No	WFXB	D36	DT	LIC	MYRTLE BEACH, SC	BLANK0000081825	468.7
No	WPMC-CD	D36	DC	LIC	MAPPSVILLE, VA	BLANK0000001499	286.3
No	WRID-LD	D36	LD	CP	RICHMOND, VA	BLANK0000054443	141.6
Yes	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	180.2
No	WYSJ-CA	D36	DC	CP	YORKTOWN, VA	BLANK0000034756	251.1
No	W36ER-D	D36	LD	CP	PARKERSBURG, WV	BMPDTL20121001AEO	285.3
No	W43BP	N43-	TX	LIC	Altoona, PA	BLTT19981124JI	132.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D36
Mask: Full Service
Latitude: 38 23 34.80 N (NAD83)
Longitude: 78 46 11.90 W
Height AMSL: 917.6 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: ERI-ETU4U7-ETP4OX-34/36/30 0.0 deg
Elev Pattn: Generic
Elec Tilt: 1.75

Table 1 WSVF-CD TVStudy Analysis of Proposal
(page 2 of 8)



50.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	11.4 kW	500.3 m	62.9 km
45.0	13.1	396.7	59.7
90.0	11.4	569.6	64.9
135.0	13.0	462.1	62.5
180.0	11.6	547.9	64.4
225.0	13.5	557.8	65.6
270.0	0.486	514.1	44.3
315.0	13.7	488.5	63.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 505 m

Distance to Canadian border: 458.3 km

Distance to Mexican border: 2188.5 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 62.5 degrees Distance: 189.4 km

**Proposal is within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 283.3 degrees Distance: 2276.3 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000091348 LIC scenario 1

Desired:	Call WVIR-CD	Chan D35	Svc DC	Status LIC	City, State CHARLOTTESVILLE, VA	File Number BLANK0000091348	Distance		
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	52.0 km		
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	52.0		
	WFMY-TV	D35	DT	CP	GREENSBORO, NC	BLANK0000028086	264.1		
	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	161.9		
Service area		Terrain-limited			IX-free, before	IX-free, after	Percent New IX		
10672.3	417,908	8726.2	289,594		8492.1	285,319	8495.2	285,319	-0.04 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after			
WSVF-CD	D36	DC	BL	5.0	0	4.0	0		
WSVF-CD	D36	DC	APP	2.0	0	1.0 0			
WFMY-TV	D35	DT	CP	29.3	536	13.2	218	13.2	218
WPXW-TV	D35	DT	LIC	216.9	4,057	199.7	3,739	199.7	3,739

Interference to BLANK0000098055 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	157.8 km
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	157.8
	WRC-TV	D34	DT	LIC	WASHINGTON, DC	BLANK0000079826	3.3
	WNJU	D35	DT	LIC	LINDEN, NJ	BLANK0000079780	327.7
	WJAC-TV	D35	DT	LIC	JOHNSTOWN, PA	BLANK0000080232	224.2
	WFPA-CD	D35	DC	LIC	PHILADELPHIA, PA	BLANK0000079887	200.1
	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	161.9
	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	2.1
	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	154.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
23917.8		8,081,093		22031.8		22033.8	-0.01
		22924.9		7,958,270		7,958,398	-0.00

Table 1 WSVF-CD TVStudy Analysis of Proposal
(page 3 of 8)



Undesired		Total IX	Unique IX, before	Unique IX, after
WSVF-CD D36 DC BL	2.0	128	2.0	128
WSVF-CD D36 DC APP	0.0	0		0.0
WRC-TV D34 DT LIC	126.7	12,568	82.8	7,762
WNJU D35 DT LIC	9.9	350	2.0	2
WJAC-TV D35 DT LIC	286.9	34,424	248.0	30,977
WFPA-CD D35 DC LIC	8.9	114	0.0	0
WVIR-CD D35 DC LIC	479.5	22,295	430.7	17,825
WTTG D36 DT LIC	80.9	8,252	37.0	2,305
WITF-TV D36 DT APP	1.0	32	0.0	0

Interference to BLANK0000098055 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	157.8 km
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	157.8
	WRC-TV	D34	DT	LIC	WASHINGTON, DC	BLANK0000079826	3.3
	WNJU	D35	DT	LIC	LINDEN, NJ	BLANK0000079780	327.7
	WJAC-TV	D35	DT	LIC	JOHNSTOWN, PA	BLANK0000080232	224.2
	WFPA-CD	D35	DC	LIC	PHILADELPHIA, PA	BLANK0000079887	200.1
	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	161.9
	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	0.0
	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	154.9

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	23917.8	8,081,093	22924.9	8,026,688	22067.7	7,960,575	22069.7 7,960,703 -0.01 -0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WSVF-CD D36 DC BL	2.0	128	2.0	128
WSVF-CD D36 DC APP	0.0	0		0.0
WRC-TV D34 DT LIC	126.7	12,568	112.7	12,345
WNJU D35 DT LIC	9.9	350	2.0	2
WJAC-TV D35 DT LIC	286.9	34,424	250.0	31,184
WFPA-CD D35 DC LIC	8.9	114	0.0	0
WVIR-CD D35 DC LIC	479.5	22,295	434.7	18,956
WTTG D36 DT CP	5.0	26	1.0	0
WITF-TV D36 DT APP	1.0	32	0.0	0

Interference to BLANK0000098055 LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	157.8 km
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	157.8
	WRC-TV	D34	DT	LIC	WASHINGTON, DC	BLANK0000079826	3.3
	WNJU	D35	DT	LIC	LINDEN, NJ	BLANK0000079780	327.7
	WJAC-TV	D35	DT	LIC	JOHNSTOWN, PA	BLANK0000080232	224.2
	WFPA-CD	D35	DC	LIC	PHILADELPHIA, PA	BLANK0000079887	200.1
	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	161.9
	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	2.1

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	23917.8	8,081,093	22924.9	8,026,688	22031.8	7,958,270	22033.8 7,958,398 -0.01 -0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WSVF-CD D36 DC BL	2.0	128	2.0	128
WSVF-CD D36 DC APP	0.0	0		0.0
WRC-TV D34 DT LIC	126.7	12,568	82.8	7,762
WNJU D35 DT LIC	9.9	350	2.0	2
WJAC-TV D35 DT LIC	286.9	34,424	248.0	30,977
WFPA-CD D35 DC LIC	8.9	114	0.0	0
WVIR-CD D35 DC LIC	479.5	22,295	430.7	17,825
WTTG D36 DT LIC	80.9	8,252	37.0	2,305

Interference to BLANK0000098055 LIC scenario 4

Call	Chan	Svc	Status	City, State	File Number	Distance
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Table 1 WSVF-CD TVStudy Analysis of Proposal
(page 4 of 8)



Desired:	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	157.8 km
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	157.8
	WRC-TV	D34	DT	LIC	WASHINGTON, DC	BLANK0000079826	3.3
	WNJU	D35	DT	LIC	LINDEN, NJ	BLANK0000079780	327.7
	WJAC-TV	D35	DT	LIC	JOHNSTOWN, PA	BLANK0000080232	224.2
	WFPA-CD	D35	DC	LIC	PHILADELPHIA, PA	BLANK0000079887	200.1
	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	161.9
	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
23917.8	8,081,093	22924.9	8,026,688	22067.7	7,960,575	22069.7	7,960,703	-0.01 -0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WSVF-CD D36 DC BL	2.0	128		2.0	128		
WSVF-CD D36 DC APP	0.0	0				0.0	0
WRC-TV D34 DT LIC	126.7	12,568		112.7	12,345	112.7	12,345
WNJU D35 DT LIC	9.9	350		2.0	2	2.0	2
WJAC-TV D35 DT LIC	286.9	34,424		250.0	31,184	250.0	31,184
WFPA-CD D35 DC LIC	8.9	114		0.0	0	0.0	0
WVIR-CD D35 DC LIC	479.5	22,295		434.7	18,956	434.7	18,956
WTTG D36 DT CP	5.0	26		1.0	0	1.0	0

Interference to BLANK0000058564 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	159.2 km
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	159.2
	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	162.7
	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	2.1
	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	200.9
	WCBS-TV	D36	DT	LIC	NEW YORK, NY	BLANK0000086487	326.7
	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	155.5
	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	332.3
	WYSJ-CA	D36	DC	CP	YORKTOWN, VA	BLANK0000034756	216.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
23605.6	8,070,949	22767.6	8,026,439	21700.2	7,918,404	21700.2	7,917,955	-0.00 0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
WSVF-CD D36 DC BL	167.7	20,973		90.2	14,043		
WSVF-CD D36 DC APP	158.8	20,778				90.2	14,492
WVIR-CD D35 DC LIC	2.0	51		0.0	0	0.0	0
WPXW-TV D35 DT LIC	47.8	2,704		31.9	1,714	31.9	1,714
WMGM-TV D36 DT LIC	104.5	10,014		37.8	5,872	36.8	5,871
WCBS-TV D36 DT LIC	13.9	1,978		3.0	81	3.0	81
WITF-TV D36 DT APP	874.6	85,390		748.3	74,454	750.3	74,583
WFXR D36 DT LIC	49.9	3,761		12.0	443	12.0	443
WYSJ-CA D36 DC CP	3.0	23		0.0	0	0.0	0

Interference to BLANK0000058564 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	159.2 km
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	159.2
	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	162.7
	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	2.1
	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	200.9
	WCBS-TV	D36	DT	LIC	NEW YORK, NY	BLANK0000086487	326.7
	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	155.5
	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	332.3
	WYSJ-CA	D36	DC	CP	YORKTOWN, VA	BLANK0000034756	216.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
23605.6	8,070,949	22767.6	8,026,439	21850.9	7,937,624	21852.9	7,937,304	-0.01 0.00

Table 1 WSVF-CD TVStudy Analysis of Proposal
(page 5 of 8)

Undesired		Total IX	Unique IX, before	Unique IX, after
WSVF-CD D36 DC BL	167.7	20,973	111.1	15,116
WSVF-CD D36 DC APP	158.8	20,778		109.1 15,436
WVIR-CD D35 DC LIC	2.0	51	0.0	0 0.0
WPXW-TV D35 DT LIC	47.8	2,704	33.9	1,727 33.9
WMGM-TV D36 DT LIC	104.5	10,014	42.8	5,883 41.8
WCBS-TV D36 DT LIC	13.9	1,978	3.0	81 3.0
WITF-TV D36 DT LIC	694.0	64,917	597.6	55,234 597.6
WFXR D36 DT LIC	49.9	3,761	12.0	443 12.0
WYSJ-CA D36 DC CP	3.0	23	0.0	0 0.0

Interference to BLANK0000068634 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	157.8 km
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	157.8
	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	161.9
	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	202.8
	WCBS-TV	D36	DT	LIC	NEW YORK, NY	BLANK0000086487	327.7
	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	154.9
	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	331.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
24217.7 8,105,998		23187.2 8,049,942		22037.1 7,946,357		22036.1 7,946,222	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WSVF-CD D36 DC BL	231.2	27,125	142.8	19,021
WSVF-CD D36 DC APP	218.2	26,185		143.8 19,156
WVIR-CD D35 DC LIC	2.0	2	1.0	0 1.0
WMGM-TV D36 DT LIC	85.6	3,072	23.9	684 23.9
WCBS-TV D36 DT LIC	8.9	318	2.0	63 2.0
WITF-TV D36 DT APP	956.5	83,580	815.3	73,376 825.2
WFXR D36 DT LIC	62.9	3,434	7.0	84 8.0

Interference to BLANK0000068634 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	157.8 km
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	157.8
	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	161.9
	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	202.8
	WCBS-TV	D36	DT	LIC	NEW YORK, NY	BLANK0000086487	327.7
	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	154.9
	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	331.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
24217.7 8,105,998		23187.2 8,049,942		22202.8 7,966,568		22202.8 7,966,433	-0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WSVF-CD D36 DC BL	231.2	27,125	161.7	20,614
WSVF-CD D36 DC APP	218.2	26,185		161.7 20,749
WVIR-CD D35 DC LIC	2.0	2	1.0	0 1.0
WMGM-TV D36 DT LIC	85.6	3,072	28.9	1,010 28.9
WCBS-TV D36 DT LIC	8.9	318	2.0	63 2.0
WITF-TV D36 DT LIC	755.9	59,902	649.5	53,165 658.4
WFXR D36 DT LIC	62.9	3,434	9.0	94 10.0

Interference to BLANK0000039358 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	271.6 km
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	271.6
	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	154.9
	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	155.5

Table 1 WSVF-CD TVStudy Analysis of Proposal
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WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	225.3
WNLO	D36	DT	CP	BUFFALO, NY	BLANK0000075350	295.8
WCBS-TV	D36	DT	LIC	NEW YORK, NY	BLANK0000086487	244.7
W36EY-D	D36-	DC	LIC	BERWICK, PA	BLANK0000105623	91.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
19485.5 2,409,697	17125.1 2,207,263	14858.2 2,010,345	14858.2 2,010,345	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WSVF-CD D36 DC BL	1.0 27	0.0 0	
WSVF-CD D36 DC APP	1.0 27		0.0 0
WPXW-TV D35 DT LIC	12.8 1,595	1.0 134	1.0 134
WTTG D36 DT LIC	1811.9 159,951	1291.2 125,950	1291.2 125,950
WMGM-TV D36 DT LIC	254.5 25,365	25.0 10,283	25.0 10,283
WNLO D36 DT CP	17.9 374	2.0 98	2.0 98
WCBS-TV D36 DT LIC	327.3 25,793	75.0 7,912	75.0 7,912
W36EY-D D36- DC LIC	603.1 30,776	279.2 13,309	279.2 13,309

Interference to BLANK0000039358 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000039358	
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	271.6 km
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	271.6
	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	154.9
	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	154.9
	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	225.3
	WNLO	D36	DT	CP	BUFFALO, NY	BLANK0000075350	295.8
	WCBS-TV	D36	DT	LIC	NEW YORK, NY	BLANK0000086487	244.7
	W36EY-D	D36-	DC	LIC	BERWICK, PA	BLANK0000105623	91.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
19485.5 2,409,697	17125.1 2,207,263	14862.0 2,023,168	14862.0 2,023,168	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WSVF-CD D36 DC BL	1.0 27	0.0 0	
WSVF-CD D36 DC APP	1.0 27		0.0 0
WPXW-TV D35 DT LIC	12.8 1,595	0.0 0	0.0 0
WTTG D36 DT CP	1804.9 150,193	1287.3 113,127	1287.3 113,127
WMGM-TV D36 DT LIC	254.5 25,365	32.0 6,727	32.0 6,727
WNLO D36 DT CP	17.9 374	1.0 0	1.0 0
WCBS-TV D36 DT LIC	327.3 25,793	77.0 10,117	77.0 10,117
W36EY-D D36- DC LIC	603.1 30,776	279.3 13,349	279.3 13,349

Interference to BLANK0000080996 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	180.2 km
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	180.2
	WFMV-TV	D35	DT	CP	GREENSBORO, NC	BLANK0000028086	150.1
	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	171.4
	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	332.3
	WKAS	D36	DT	LIC	ASHLAND, KY	BLANK0000087441	258.2
	WEPX-TV	D36	DT	LIC	GREENVILLE, NC	BLANK0000090758	346.4
	WUNE-TV	D36	DT	CP	LINVILLE, NC	BLANK0000034440	196.3
	WBFT-CD	D36	DC	CP	SANFORD, NC	BLANK0000034838	209.6
	WFXB	D36	DT	LIC	MYRTLE BEACH, SC	BLANK0000081825	345.6
	WVLR	D36	DT	LIC	TAZEWELL, TN	BLANK0000097858	326.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
38750.9 1,426,632	33008.2 1,285,179	31220.8 1,237,276	31209.8 1,235,720	0.04 0.13

Undesired	Total IX	Unique IX, before	Unique IX, after
WSVF-CD D36 DC BL	348.9 6,558	303.4 5,733	
WSVF-CD D36 DC APP	360.0 8,015		314.5 7,289
WFMV-TV D35 DT CP	249.5 12,046	77.5 2,727	77.5 2,727
WVIR-CD D35 DC LIC	52.7 1,595	29.4 738	29.4 738
WTTG D36 DT LIC	112.3 3,311	42.5 872	43.5 899

Table 1 WSVF-CD TVStudy Analysis of Proposal
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WKAS D36 DT LIC	58.7	540	58.7	540	57.7	540
WEPX-TV D36 DT LIC	75.2	1,155	12.0	248	12.0	248
WUNE-TV D36 DT CP	1210.1	35,607	940.5	23,899	939.5	23,899
WBFT-CD D36 DC CP	16.1	735	0.0	0	0.0	0
WFXB D36 DT LIC	61.3	1,490	1.0	43	1.0	43
WVLR D36 DT LIC	1.0	62	0.0	0	0.0	0

Interference to BLANK0000080996 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	
Undesireds:	WSVF-CD	D36	DC	BL	HARRISONBURG, VA	DTVBL190915	180.2 km
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	180.2
	WFMY-TV	D35	DT	CP	GREENSBORO, NC	BLANK0000028086	150.1
	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	171.4
	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	331.3
	WKAS	D36	DT	LIC	ASHLAND, KY	BLANK0000087441	258.2
	WEPX-TV	D36	DT	LIC	GREENVILLE, NC	BLANK0000090758	346.4
	WUNE-TV	D36	DT	CP	LINVILLE, NC	BLANK0000034440	196.3
	WBFT-CD	D36	DC	CP	SANFORD, NC	BLANK0000034838	209.6
	WFXB	D36	DT	LIC	MYRTLE BEACH, SC	BLANK0000081825	345.6
	WVLR	D36	DT	LIC	TAZEWEEL, TN	BLANK0000097858	326.6

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	38750.9	1,426,632	33008.2	1,285,179	31223.8	1,237,007	31210.7 1,235,301 0.04 0.14

Undesired		Total IX	Unique IX, before	Unique IX, after
WSVF-CD D36 DC BL	348.9	6,558	305.4	5,687
WSVF-CD D36 DC APP	360.0	8,015		318.5 7,393
WFMY-TV D35 DT CP	249.5	12,046	77.5	2,727 77.5 2,727
WVIR-CD D35 DC LIC	52.7	1,595	25.4	665 25.4 665
WTTG D36 DT CP	107.3	3,482	39.5	1,141 42.6 1,318
WKAS D36 DT LIC	58.7	540	58.7	540 57.7 540
WEPX-TV D36 DT LIC	75.2	1,155	11.0	248 10.0 248
WUNE-TV D36 DT CP	1210.1	35,607	940.5	24,009 939.5 24,009
WBFT-CD D36 DC CP	16.1	735	0.0	0 0.0 0
WFXB D36 DT LIC	61.3	1,490	1.0	43 1.0 43
WVLR D36 DT LIC	1.0	62	0.0	0 0.0 0

Interference to proposal scenario 1
0.81% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	
Undesireds:	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	52.0 km
	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	159.2
	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	271.6
	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	180.2

	Service area	Terrain-limited		IX-free		Percent IX	
	11838.2	495,319	7453.3	298,416	7305.6	296,006	1.98 0.81

Undesired		Total IX	Unique IX	Prct Unique IX
WVIR-CD D35 DC LIC	12.1	1,004	2.0	0 0.03 0.00
WTTG D36 DT LIC	64.3	1,133	37.1	24 0.50 0.01
WITF-TV D36 DT APP	1.0	0	0.0	0 0.00 0.00
WFXR D36 DT LIC	101.5	1,382	79.4	1,277 1.07 0.43

Interference to proposal scenario 2
0.81% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	
Undesireds:	WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	52.0 km
	WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	157.8
	WITF-TV	D36	DT	APP	HARRISBURG, PA	BLANK0000035782	271.6
	WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	180.2

Table 1 WSVF-CD TVStudy Analysis of Proposal
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Service area	Terrain-limited	IX-free	Percent IX
11838.2 495,319	7453.3 298,416	7307.6 295,995	1.95 0.81
Undesired	Total IX	Unique IX	Prcnt Unique IX
WVIR-CD D35 DC LIC	12.1 1,004	4.0 1	0.05 0.00
WTTG D36 DT CP	58.2 1,057	35.1 35	0.47 0.01
WITF-TV D36 DT APP	1.0 0	0.0 0	0.00 0.00
WFXR D36 DT LIC	101.5 1,382	81.4 1,363	1.09 0.46

Interference to proposal scenario 3
0.81% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	
Undesireds: WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	52.0 km
WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000058564	159.2
WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	180.2

Service area	Terrain-limited	IX-free	Percent IX
11838.2 495,319	7453.3 298,416	7305.6 296,006	1.98 0.81
Undesired	Total IX	Unique IX	Prcnt Unique IX
WVIR-CD D35 DC LIC	12.1 1,004	2.0 0	0.03 0.00
WTTG D36 DT LIC	64.3 1,133	37.1 24	0.50 0.01
WFXR D36 DT LIC	101.5 1,382	80.4 1,277	1.08 0.43

Interference to proposal scenario 4
0.81% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WSVF-CD	D36	DC	APP	HARRISONBURG, VA	WSVF-CD 36_as-built	
Undesireds: WVIR-CD	D35	DC	LIC	CHARLOTTESVILLE, VA	BLANK0000091348	52.0 km
WTTG	D36	DT	CP	WASHINGTON, DC	BLANK0000068634	157.8
WFXR	D36	DT	LIC	ROANOKE, VA	BLANK0000080996	180.2

Service area	Terrain-limited	IX-free	Percent IX
11838.2 495,319	7453.3 298,416	7307.6 295,995	1.95 0.81
Undesired	Total IX	Unique IX	Prcnt Unique IX
WVIR-CD D35 DC LIC	12.1 1,004	4.0 1	0.05 0.00
WTTG D36 DT CP	58.2 1,057	35.1 35	0.47 0.01
WFXR D36 DT LIC	101.5 1,382	82.4 1,363	1.11 0.46

**Channel and
Facility
Information**

Section	Question	Response
Proposed Community of License	Facility ID	190915
	State	Virginia
	City	HARRISONBURG
	DCA Channel	36
	Designated Market Area	Harrisonburg

**Antenna Location
Data**

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	No
	ASR Number	
Coordinates (NAD83)	Latitude	38° 23' 34.8" N+
	Longitude	078° 46' 11.9" W-
	Structure Type	LTOWER-Lattice Tower
	Overall Structure Height	30.8 meters
	Support Structure Height	24.4 meters
	Ground Elevation (AMSL)	890.6 meters
Antenna Data	Height of Radiation Center Above Ground Level	27.0 meters
	Height of Radiation Center Above Mean Sea Level	917.6 meters
	Effective Radiated Power	15.0 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	
Antenna Manufacturer and Model	Manufacturer:	ERI
	Model	ETU4U7-ETP4OX-34/36/30
	Rotation	0 degrees
	Electrical Beam Tilt	1.75
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
Elevation Radiation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	
	Out-of-Channel Emission Mask:	Full Service

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.870	90	0.870	180	0.880	270	0.180
10	0.810	100	0.810	190	0.800	280	0.390
20	0.660	110	0.660	200	0.640	290	0.810
30	0.730	120	0.730	210	0.730	300	0.970
40	0.900	130	0.900	220	0.910	310	0.980
50	0.950	140	0.940	230	0.990	320	0.930
60	0.830	150	0.820	240	0.990	330	0.830
70	0.710	160	0.720	250	0.930	340	0.710
80	0.750	170	0.770	260	0.660	350	0.750

Additional Azimuths

Degree	V _A
47	0.950
306	0.990
273	0.010
235	1.000
138	0.950

**Construction
Permit
Certifications**

Section	Question	Response
Post-Incentive Auction Expedited Processing	It will operate on the DTV channel for this station as established in the post-incentive auction channel reassignment public notice.	Yes
	It will operate post-incentive auction facilities that do not expand the noise-limited service contour in any direction beyond that established by the post-incentive auction channel reassignment public notice.	No
	It will operate post-incentive auction facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the post-incentive auction channel reassignment public notice.	
	The antenna structure to be used by this facility has been registered by the Commission and will not require re-registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely affect 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
Environmental Effect	Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See 47 C.F.R. Section 1.1306)	No
Broadcast Facility	The proposed facility complies with all of the following applicable rule sections. 47 C.F.R. Sections 74.709, 74.793 (e), 74.793(f), 74.793(g), 74.793(h)	Yes