

ENGINEERING EXHIBIT

Application for Modification of Digital Low Power Television Station Construction Permit

prepared for

Gray Television Licensee, LLC

WIYE-LD Parkersburg WV

Facility ID 130392

Ch. 26 (digital) 15 kW

Gray Television Licensee, LLC (“Gray”) is the licensee of digital Low Power Television station WIYE-LD, Channel 47, Parkersburg WV, Facility ID 130392 (file# BLDTL-20120904AAK). As a result of the Special Displacement Window,¹ a Construction Permit (“CP” file# 0000052516) authorizes WIYE-LD to operate on Channel 26 at 15 kW effective radiated power (“ERP”) and a nondirectional antenna. *Gray* proposes herein a minor modification of the displacement CP to increase the antenna height above ground (“AGL”) and to utilize a different nondirectional antenna make and model.

No change in site location is proposed. WIYE-LD will continue to utilize the tower structure associated with FCC Antenna Structure Registration number 1239800 with a side-mounted transmitting antenna. No change to the overall structure height is proposed.

The proposed WIYE-LD facility will operate at 15 kW ERP with an elliptically-polarized nondirectional antenna centered 124.4 meters AGL and a “full service” out of channel emission mask. Figure 1 depicts the 51 dBμ coverage contour of the licensed Channel 47 facility and those of the Channel 26 CP and proposed facilities, demonstrating compliance with §73.3572 for a minor change.

¹“Incentive Auction Task Force and Media Bureau Announce Post-Incentive Auction Special Displacement Window April 10, 2018, through May 15, 2018, and Make Location and Channel Data Available,” Public Notice, DA 18-124, released February 9, 2018.

Interference study per OET Bulletin 69² shows that the proposal complies with the FCC's interference protection requirements toward all digital television, television translator, LPTV, and Class A stations (existing and post-auction). FCC processing of this proposal is requested using a **1.0 km cell size and 0.1 km terrain profile increment**. 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. The proposal is not dependent on spectrum to be vacated and no waiver of the contingent application rule is required.

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 10 percent antenna relative field in downward elevations (pattern data shows less than 10 percent relative field at angles 20 – 90 degrees below the horizontal), the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is $0.4 \mu\text{W}/\text{cm}^2$, which is 0.1 percent of the general population/uncontrolled maximum permitted exposure limit. This is well below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

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

²FCC 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 0.1 km terrain increment. Comparisons of various results of this computer program (run on a Mac processor) to the FCC's implementation of TVStudy show excellent correlation.

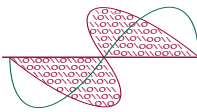
exhibit is limited to the evaluation of exposure to RF electromagnetic field. No increase in structure height is proposed.

List of Attachments

Figure 1	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.	April 26, 2019	
207 Old Dominion Road	Yorktown, VA 23692	703-650-9600



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

Figure 1
WIYE-LD Parkersburg WV
Facility ID 130392
Ch. 26 (digital) 15 kW

prepared for
Gray Television Licensee, LLC

April, 2019

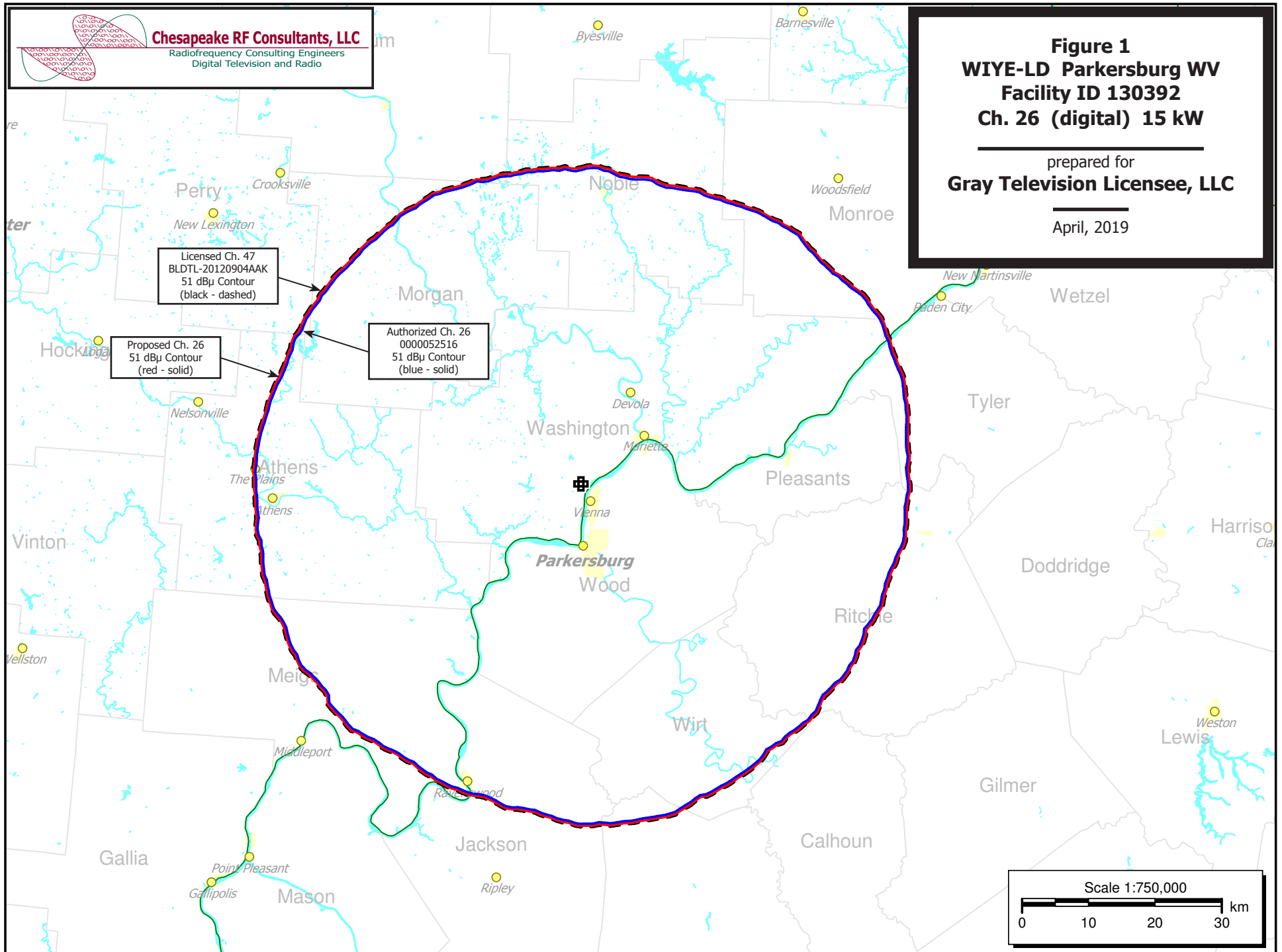


Table 1 WIYE-LD TVStudy Analysis of Proposal (page 1 of 6)



tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WIYE-LD Mod_1.0-0.1, Model: Longley-Rice
Start: 2019.04.25 15:28:30

Study created: 2019.04.25 15:26:16

Study build station data: LMS TV 2019-04-25

Proposal: WIYE-LD D26 LD APP PARKERSBURG, WV
File number: WIYE-LD Mod
Facility ID: 130392
Station data: User record
Record ID: 2678
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel

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	109.5 km
No	WCPX-LP	D25	LD	APP	COLUMBUS, OH	BLANK0000071598	146.0
No	WCPX-LP	D25	LD	CP	COLUMBUS, OH	BDISDTL20080905AEC	144.8
No	WXCW-CD	D25	DC	CP	DELAWARE, OH	BLANK0000034022	193.5
No	WSSS-LP	N25z	TX	LIC	STEUBENVILLE, OH	BLTTL19980506JD	140.4
No	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	183.1
No	WLFV	D25	DT	CP	BLUEFIELD, WV	BLANK0000034862	238.3
No	W26DH-D	D26	LD	LIC	AUBURN, IN	BLDTL20091005ABQ	368.6
No	WISH-TV	D26	LD	APP	INDIANAPOLIS, IN	BLANK0000054863	383.8
Yes	WKAS	D26	DT	LIC	ASHLAND, KY	BLDTL20020404ABM	134.4
No	WLKY	D26	DT	LIC	LOUISVILLE, KY	BLCDT20030129AFL	384.8
No	WVVK-LP	D26-	LD	CP	MARTIN, KY	BLANK0000054354	244.3
No	WBFF	D26	DT	CP	BALTIMORE, MD	BLANK0000025699	422.5
No	WDVM-TV	D26	DT	LIC	HAGERSTOWN, MD	BLCDT20090612AFP	310.7
Yes	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	195.3
No	WGFX-TV	D26	DT	CP	BURLINGTON, NC	BLANK0000034889	383.3
No	WGFX-TV	D26	DT	APP	BURLINGTON, NC	BLANK0000068233	415.5
No	W42DR-D	D26	LD	CP	MARION, NC	BLANK0000054245	404.7
No	WNYB	D26	DT	LIC	JAMESTOWN, NY	BLCDT20090508ABW	391.1
No	WEKA-LD	D26	LD	CP	CANTON, OH	BLANK0000051631	214.6
Yes	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	253.8
Yes	WVIZ	D26	DT	LIC	CLEVELAND, OH	BLANK0000006262	226.6
Yes	WCSS-LD	D26	LD	CP	COLUMBUS, OH	BLANK0000053697	144.8
No	WNHO-LP	N26-	TX	LIC	DEFIANCE, OH	BLTTL20031007AAN	331.6
Yes	WIVD-LD	D26	LD	CP	NEWCOMERSTOWN, OH	BLANK0000054238	112.3
No	WUPW	D26	DT	CP	TOLEDO, OH	BLANK0000034234	301.5
No	WFXP	D26	DT	CP	ERIE, PA	BLANK0000028342	324.5
No	WJAC-TV	D26	LD	LIC	JOHNSTOWN, PA	BLCDT20120215ABZ	307.5
No	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	183.0
No	WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLDTA20130115ADH	183.0
No	W42DG-D	D26	LD	CP	STATE COLLEGE, PA	BLANK0000040781	347.7
No	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BLMCDT20041203AEG	426.7
No	WHTJ	D26	DT	CP	CHARLOTTESVILLE, VA	BLANK0000034130	307.6
No	WRLH-TV	D26	DT	LIC	RICHMOND, VA	BLCDT20041207AAW	401.0
No	W26EL-D	D26	LD	CP	CLARKSBURG, WV	BNPDTL20100514AAX	109.8
Yes	W30DG-D	D26	LD	CP	HUNTINGTON, WV	BLANK0000053620	126.2
No	W16DO-D	D27	DC	CP	CLEVELAND, OH	BLANK0000034701	226.3
No	WTTE	D27	DT	CP	COLUMBUS, OH	BLANK0000034206	140.7
No	W27DG-D	D27	LD	LIC	MILLERSBURG, OH	BLANK0000055476	174.8
No	W27DG-D	D27	LD	CP	MILLERSBURG, OH	BLANK0000058887	174.8
No	WPCW	D27	LD	LIC	JEANNETTE, PA	BLCDT20120709AED	227.7
No	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	182.6
No	WPXR-TV	D27	DT	APP	ROANOKE, VA	BLANK0000068237	269.1
No	WPXR-TV	D27	DT	CP	ROANOKE, VA	BLANK0000034915	269.3
No	W16CE	D27-	LD	CP	CHARLESTON, WV	BLANK0000054050	108.6
No	W30CH	N30-	TX	LIC	CLARKSBURG, WV	BLTTL20070319AAK	105.2
No	W33BW	N33+	TX	LIC	ASHLAND, OH	BLTTL20020211ABL	167.9

No non-directional AM stations found within 0.8 km

Table 1 WIYE-LD TV Study Analysis of Proposal
(page 2 of 6)



No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26
Mask: Full Service
Latitude: 39 20 59.80 N (NAD83)
Longitude: 81 33 55.40 W
Height AMSL: 420.1 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattern: Generic
Elec Tilt: 1.00

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	161.4 m	48.7 km
45.0	15.0	193.2	50.6
90.0	15.0	191.5	50.5
135.0	15.0	189.5	50.4
180.0	15.0	224.8	52.4
225.0	15.0	209.0	51.5
270.0	15.0	186.2	50.2
315.0	15.0	173.2	49.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 191 m

Proposal 24.95 dBu contour does not cross Canadian border
Distance to Canadian border: 268.0 km

Distance to Mexican border: 2061.8 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 91.4 degrees Distance: 408.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 280.1 degrees Distance: 2017.9 km

Study cell size: 1.00 km
Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLEDT20020404ABM LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKAS	D26	DT	LIC	ASHLAND, KY	BLEDT20020404ABM	
Undesireds:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	134.4 km
	WLKY	D26	DT	LIC	LOUISVILLE, KY	BLCDT20030129AFL	279.7
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	317.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
11982.0	503,416	11610.8	477,559	11608.8	477,559	11544.8 475,690	0.55 0.39
Undesired		Total IX		Unique IX, before		Unique IX, after	
WIYE-LD	D26 LD APP	64.0	1,869			64.0 1,869	
WLKY	D26 DT LIC	2.0	0	2.0	0	2.0 0	

Interference to BLANK0000034106 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	

Table 1 WIYE-LD TVStudy Analysis of Proposal
(page 3 of 6)



Undesireds:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	195.3	km
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	136.0	
	WBFF	D26	DT	CP	BALTIMORE, MD	BLANK0000025699	227.3	
	WGPX-TV	D26	DT	CP	BURLINGTON, NC	BLANK0000034889	352.2	
	WFXP	D26	DT	CP	ERIE, PA	BLANK0000028342	300.2	
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	129.2	
	WHTJ	D26	DT	CP	CHARLOTTESVILLE, VA	BLANK0000034130	172.8	
	WAZT-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449	96.5	
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	106.7	

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
18329.8 580,636	15578.5 396,563	15291.6 384,482	15285.6 384,250	0.04 0.06

Undesired	Total IX	Unique IX, before	Unique IX, after
WIYE-LD D26 LD APP	19.9 3,537	6.0 232	
KDKA-TV D25 DT LIC	30.2 619	4.0 0	
WBFF D26 DT CP	43.0 2,720	17.1 2,233	
WFXP D26 DT CP	49.2 4,814	4.0 51	
WOSC-CD D26 DC CP	199.0 8,289	128.9 3,034	
WHTJ D26 DT CP	21.1 336	7.0 152	
WAZT-CD D26 DC BL	46.7 646	27.8 292	
WTAE-TV D27 DT LIC	48.1 4,105	5.0 247	

Interference to BLANK0000034106 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	
Undesireds:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	195.3 km
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	136.0
	WBFF	D26	DT	CP	BALTIMORE, MD	BLANK0000025699	227.3
	WGPX-TV	D26	DT	CP	BURLINGTON, NC	BLANK0000034889	352.2
	WFXP	D26	DT	CP	ERIE, PA	BLANK0000028342	300.2
	WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLDTA20130115ADH	129.2
	WHTJ	D26	DT	CP	CHARLOTTESVILLE, VA	BLANK0000034130	172.8
	WAZT-CD	D26	DC	BL	WOODSTOCK, VA	DTVBL168449	96.5
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	106.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
18329.8 580,636	15578.5 396,563	15392.4 386,887	15384.5 386,620	0.05 0.07

Undesired	Total IX	Unique IX, before	Unique IX, after
WIYE-LD D26 LD APP	19.9 3,537	7.9 267	
KDKA-TV D25 DT LIC	30.2 619	4.0 0	
WBFF D26 DT CP	43.0 2,720	18.1 2,233	
WFXP D26 DT CP	49.2 4,814	11.1 1,329	
WOSC-CD D26 DC LIC	82.1 4,634	28.0 629	
WHTJ D26 DT CP	21.1 336	9.0 157	
WAZT-CD D26 DC BL	46.7 646	27.8 292	
WTAE-TV D27 DT LIC	48.1 4,105	9.0 565	

Interference to BLANK0000034668 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	
Undesireds:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	253.8 km
	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDT20090623ACJ	169.4
	WUPX-TV	D25	DT	CP	RICHMOND, KY	BLANK0000064267	149.4
	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	296.5
	WUPW	D26	DT	CP	TOLEDO, OH	BLANK0000034234	295.1
	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	350.4
	WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000034516	145.3
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	121.6
	WTTE	D27	DT	CP	COLUMBUS, OH	BLANK0000034206	155.6

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
30475.1 3,330,253	30159.9 3,316,686	29366.1 3,289,079	29363.1 3,289,008	0.01 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
-----------	----------	-------------------	------------------

Table 1 WIYE-LD TV Study Analysis of Proposal
(page 4 of 6)

WIYE-LD D26 LD APP	3.0	71			3.0	71
WRTV D25 DT LIC	4.9	41	0.0	0	0.0	0
WUPX-TV D25 DT CP	9.1	101	0.0	0	0.0	0
WFIE D26 DT CP	20.1	482	8.0	247	8.0	247
WUPW D26 DT CP	7.0	344	7.0	344	7.0	344
WATE-TV D26 DT LIC	52.3	1,566	4.0	135	4.0	135
WTTV D27 DT CP	402.0	15,723	395.1	15,641	395.1	15,641
WTVQ-DT D27 DT CP	288.7	10,275	238.4	8,823	238.4	8,823
WTTE D27 DT CP	84.0	883	84.0	883	84.0	883

Interference to BLANK000006262 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVIZ	D26	DT	LIC	CLEVELAND, OH	BLANK000006262	
Undesireds:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	226.6 km
	WDVM-TV	D26	DT	LIC	HAGERSTOWN, MD	BLCDT20090612AFP	368.3
	WNYB	D26	DT	LIC	JAMESTOWN, NY	BLCDT20090508ABW	232.3
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	178.6

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
19053.8	3,639,406	18932.9	3,629,242	18800.6	3,606,708	18800.6	3,606,708
806.9	0	806.9	0	806.9	0	806.9	0
(in Canada)							

Undesired	Total IX	Unique IX, before	Unique IX, after
WIYE-LD D26 LD APP	1.0	479	0.0
WDVM-TV D26 DT LIC	1.0	1,288	0.0
WNYB D26 DT LIC	102.2	14,696	65.1
WOSC-CD D26 DC CP	67.2	10,547	30.1

Interference to BLANK000006262 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVIZ	D26	DT	LIC	CLEVELAND, OH	BLANK000006262	
Undesireds:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	226.6 km
	WDVM-TV	D26	DT	LIC	HAGERSTOWN, MD	BLCDT20090612AFP	368.3
	WNYB	D26	DT	LIC	JAMESTOWN, NY	BLCDT20090508ABW	232.3
	WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLDTA20130115ADH	178.6

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
19053.8	3,639,406	18932.9	3,629,242	18821.7	3,608,262	18820.7	3,607,783
806.9	0	806.9	0	806.9	0	806.9	0
(in Canada)							

Undesired	Total IX	Unique IX, before	Unique IX, after
WIYE-LD D26 LD APP	1.0	479	1.0
WDVM-TV D26 DT LIC	1.0	1,288	0.0
WNYB D26 DT LIC	102.2	14,696	85.1
WOSC-CD D26 DC LIC	26.1	8,148	9.1

Interference to BLANK0000053697 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCSN-LD	D26	LD	CP	COLUMBUS, OH	BLANK0000053697	
Undesireds:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	144.8 km
	WCPX-LP	D25	LD	APP	COLUMBUS, OH	BLANK0000071598	1.2
	WEKA-LD	D26	LD	CP	CANTON, OH	BLANK0000051631	183.3
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	160.9
	WUPW	D26	DT	CP	TOLEDO, OH	BLANK0000034234	185.6
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	263.6
	WTTE	D27	DT	CP	COLUMBUS, OH	BLANK0000034206	8.9

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
6188.4	1,596,216	6156.2	1,595,094	3523.1	1,450,118	3523.1	1,450,118
Undesired	Total IX		Unique IX, before		Unique IX, after		
WIYE-LD D26 LD APP	2.0		149		0.0		0

Table 1 WIYE-LD TVStudy Analysis of Proposal
(page 5 of 6)



WCFO-TV D26 DT CP	198.7	8,098	40.1	1,160	40.1	1,160
WUPW D26 DT CP	3.0	91	1.0	66	0.0	0
WTTE D27 DT CP	2591.9	143,750	2431.4	136,787	2431.4	136,787

Interference to BLANK0000054238 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVD-LD	D26	LD	CP	NEWCOMERSTOWN, OH	BLANK0000054238	
Undesireds:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	112.3 km
	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	216.1
	WEKA-LD	D26	LD	CP	CANTON, OH	BLANK0000051631	103.0
	WFXP	D26	DT	CP	ERIE, PA	BLANK0000028342	221.9
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	130.4
	W16DO-D	D27	DC	CP	CLEVELAND, OH	BLANK0000034701	115.1
	W27DG-D	D27	LD	LIC	MILLERSBURG, OH	BLANK0000055476	64.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2405.8	171,018	2302.3	162,232	2259.5	153,793	2259.5 153,793	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WIYE-LD D26 LD APP	5.0 783		0.0 0
WGPT D26 DT CP	4.0 198	2.0 104	1.0 17
WEKA-LD D26 LD CP	31.8 7,704	20.9 6,770	20.9 6,770
WFXP D26 DT CP	16.9 1,383	7.0 543	6.0 109
WOSC-CD D26 DC CP	2.0 88	1.0 88	1.0 88
W16DO-D D27 DC CP	1.0 158	0.0 0	0.0 0

Interference to BLANK0000054238 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVD-LD	D26	LD	CP	NEWCOMERSTOWN, OH	BLANK0000054238	
Undesireds:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	112.3 km
	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	216.1
	WFXP	D26	DT	CP	ERIE, PA	BLANK0000028342	221.9
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	130.4
	W16DO-D	D27	DC	CP	CLEVELAND, OH	BLANK0000034701	115.1
	W27DG-D	D27	LD	LIC	MILLERSBURG, OH	BLANK0000055476	64.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2405.8	171,018	2302.3	162,232	2280.4	160,563	2280.4 160,563	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WIYE-LD D26 LD APP	5.0 783		0.0 0
WGPT D26 DT CP	4.0 198	3.0 198	1.0 17
WFXP D26 DT CP	16.9 1,383	15.9 1,225	12.9 623
WOSC-CD D26 DC CP	2.0 88	1.0 88	1.0 88
W16DO-D D27 DC CP	1.0 158	0.0 0	0.0 0

Interference to BLANK0000054238 CP scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVD-LD	D26	LD	CP	NEWCOMERSTOWN, OH	BLANK0000054238	
Undesireds:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	112.3 km
	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	216.1
	WEKA-LD	D26	LD	CP	CANTON, OH	BLANK0000051631	103.0
	WFXP	D26	DT	CP	ERIE, PA	BLANK0000028342	221.9
	W16DO-D	D27	DC	CP	CLEVELAND, OH	BLANK0000034701	115.1
	W27DG-D	D27	LD	LIC	MILLERSBURG, OH	BLANK0000055476	64.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2405.8	171,018	2302.3	162,232	2260.5	153,881	2260.5 153,881	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WIYE-LD D26 LD APP	5.0 783		0.0 0
WGPT D26 DT CP	4.0 198	3.0 104	2.0 17
WEKA-LD D26 LD CP	31.8 7,704	20.9 6,770	20.9 6,770
WFXP D26 DT CP	16.9 1,383	7.0 543	6.0 109

Table 1 WIYE-LD TVStudy Analysis of Proposal
(page 6 of 6)



W16DO-D D27 DC CP 1.0 158 0.0 0 0.0 0

Interference to BLANK0000054238 CP scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVD-LD	D26	LD	CP	NEWCOMERSTOWN, OH	BLANK0000054238	
Undesireds:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	112.3 km
	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	216.1
	WFXP	D26	DT	CP	ERIE, PA	BLANK0000028342	221.9
	W16DO-D	D27	DC	CP	CLEVELAND, OH	BLANK0000034701	115.1
	W27DG-D	D27	LD	LIC	MILLERSBURG, OH	BLANK0000055476	64.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
2405.8 171,018		2302.3 162,232		2281.4 160,651		2281.4 160,651	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WIYE-LD D26 LD APP		5.0 783				0.0 0	
WGPT D26 DT CP		4.0 198		4.0 198		2.0 17	
WFXP D26 DT CP		16.9 1,383		15.9 1,225		12.9 623	
W16DO-D D27 DC CP		1.0 158		0.0 0		0.0 0	

Interference to BLANK0000053620 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30DG-D	D26	LD	CP	HUNTINGTON, WV	BLANK0000053620	
Undesireds:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	126.2 km
	WVVK-LP	D26-	LD	CP	MARTIN, KY	BLANK0000054354	126.6
	WGPX-TV	D26	DT	CP	BURLINGTON, NC	BLANK0000034889	342.2
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	197.9
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	307.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
6152.5 371,828		5916.8 351,446		5856.7 349,741		5849.7 349,674	0.12 0.02
Undesired		Total IX		Unique IX, before		Unique IX, after	
WIYE-LD D26 LD APP		13.0 152				7.0 67	
WVVK-LP D26- LD CP		51.1 1,007		42.1 660		40.1 660	
WCPO-TV D26 DT CP		18.1 1,045		9.0 698		8.0 698	

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIYE-LD	D26	LD	APP	PARKERSBURG, WV	WIYE-LD Mod	
Undesireds:	WCPX-LP	D25	LD	APP	COLUMBUS, OH	BLANK0000071598	146.0 km
	WGPT	D26	DT	CP	OAKLAND, MD	BLANK0000034106	195.3
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	253.8
	WOSC-CD	D26	DC	CP	PITTSBURGH, PA	BLANK0000029678	183.0
	W30DG-D	D26	LD	CP	HUNTINGTON, WV	BLANK0000053620	126.2
Service area		Terrain-limited		IX-free		Percent IX	
7981.9 259,544		7777.1 248,271		7764.2 247,522		0.17 0.30	
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WGPT D26 DT CP		5.0 316		4.0 262		0.05 0.11	
WCPO-TV D26 DT CP		5.9 373		5.0 319		0.06 0.13	
W30DG-D D26 LD CP		3.0 114		3.0 114		0.04 0.05	

Channel and Facility Information

Section	Question	Response
Facility ID	130392	
State	West Virginia	
City	PARKERSBURG	
LPD Channel	26	

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1239800
Coordinates (NAD83)	Latitude	39° 20' 59.8" N+
	Longitude	081° 33' 55.4" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	141.1 meters
	Support Structure Height	140.2 meters
	Ground Elevation (AMSL)	295.7 meters
Antenna Data	Height of Radiation Center Above Ground Level	124.4 meters
	Height of Radiation Center Above Mean Sea Level	420.1 meters
	Effective Radiated Power	15 kW

Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Non-Directional
	Do you have an Antenna ID?	
	Antenna ID	
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TLP-12A/VP
	Rotation	
	Electrical Beam Tilt	1.0
	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