

tvstudy v2.2.5 (V91R41)

Database: localhost, Study: WZPA_ch29, Model: Longley-Rice

Start: 2018.03.25 14:30:11

Study created: 2018.03.25 14:30:11

Study build station data: LMS TV 2018-03-19

Proposal: WZPA-LD D29 LD LIC PHILADELPHIA, PA

File number: BLDL20120615AAK

Facility ID: 72536

Station data: User record

Record ID: 64

Country: U.S.

Build options:

Protect baseline records from LPTV

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	WBLP-LP	N22	TX	LIC	OCEAN CITY, MD	BLTTL19941114JA	178.3 km
No	WEVD-LD	N27+	TX	LIC	DOVER, DE	BLTTL19870929IH	97.6
No	WFPT	D28	DT	CP	FREDERICK, MD	BLANK0000029876	197.7
No	WEPT-CD	D28	DC	CP	NEWBURGH, NY	BLANK0000034537	213.6
No	W28ES-D	D28z	LD	LIC	PORT JERVIS, NY	BLANK0000048521	117.4
No	WCAU	D28	DT	CP	PHILADELPHIA, PA	BLANK0000034346	0.0
No	W28DP-D	D28	LD	LIC	POTTSVILLE, PA	BLDTT20091009ADU	107.7
No	WBRE-TV	D28	LD	LIC	WILKES-BARRE, PA	BLCDD20091211ADO	177.5
No	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	237.3
No	WMDT	D29	DT	CP	SALISBURY, MD	BLANK0000027459	176.5
No	WUND-TV	D29	DT	CP	EDENTON, NC	BLANK0000025090	470.5
No	WNEU	D29	DT	CP	MERRIMACK, NH	BLANK0000034700	418.9
No	W49BE-D	D29z	LD	APP	HACKETTSTOWN, NJ	BLANK0000041594	95.1
No	WLNY-TV	D29	DT	CP	RIVERHEAD, NY	BLANK0000034023	218.1
No	WBGT-CD	D29	DC	CP	ROCHESTER, NY	BLANK0000033856	395.4
No	WKTV	D29	DT	LIC	UTICA, NY	BLCDD20060630ACL	341.1
No	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000034569	401.9
No	W47DH-D	D29	LD	APP	CLARKS SUMMIT, ETC., PA	BLANK0000039291	162.9
No	WJAC-TV	D29	LD	LIC	JOHNSTOWN, PA	BLCDD20130416AAU	293.5
No	WHVL-LP	N29+	TX	LIC	STATE COLLEGE, ETC., PA	BLTTL19911123JH	251.2
No	WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDD20090223ABU	204.5
No	WQMY	D29	DT	APP	WILLIAMSPORT, PA	BLANK0000035754	204.5
No	W29EO-D	D29	LD	CP	Charlottesville, VA	BLANK0000008299	372.7
No	WCVW	D29	DT	CP	RICHMOND, VA	BLANK0000034129	347.8
No	W29DH-D	D29	LD	LIC	MOOREFIELD, WV	BLDTT20120608ABZ	336.1
No	WEDH	D30	DT	CP	HARTFORD, CT	BLANK0000034543	273.8
No	WIAV-CD	D30	DC	CP	WASHINGTON, DC	BLANK0000029340	200.1
No	WNYN-LD	D30	LD	APP	NEW YORK, NY	BLANK0000048135	134.7
No	KYW-TV	D30	DT	CP	PHILADELPHIA, PA	BLANK0000033618	0.5
Yes	WELL-LD	D30	LD	LIC	PHILADELPHIA, PA	BLDTL20100208AAC	0.3
No	W35DK-D	N36z	TX	LIC	SUSSEX, NJ	BLTT19970806JC	135.9

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WNWR 1540 C DA2 D PHILADELPHIA, PA BP20161215ABM

WNWR 1540 L DA2 D PHILADELPHIA, PA BMML20171220ACU

WNWR 1540 C DA2 N PHILADELPHIA, PA BP20161215ABM

WNWR 1540 L DA2 N PHILADELPHIA, PA BMML20171220ACU

Record parameters as studied:

Channel: D29

Mask: Full Service

Latitude: 40 2 30.10 N (NAD83)

Longitude: 75 14 10.10 W
 Height AMSL: 244.0 m
 HAAT: 0.0 m
 Peak ERP: 3.00 kW
 Antenna: DIE-DLP-8MR (ID 102423) 227.0 deg
 Elev Pattn: Generic

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.186 kW	175.3 m	26.7 km
45.0	0.040	139.6	16.6
90.0	0.108	195.0	25.0
135.0	1.49	223.6	40.1
180.0	2.95	206.4	42.7
225.0	3.00	151.2	39.5
270.0	3.00	124.5	37.7
315.0	1.66	194.2	39.0

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 176 m

Distance to Canadian border: 419.4 km

Distance to Mexican border: 2543.6 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 234.8 degrees Distance: 167.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 280.1 degrees Distance: 2537.6 km

Study cell size: 0.50 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 BLDL20100208AAC LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	WELL-LD	D30	LD	LIC	PHILADELPHIA, PA	BLDTL20100208AAC			
Undesireds:	WZPA-LD	D29	LD	LIC	PHILADELPHIA, PA	BLDTL20120615AAK	0.3 km		
	KYW-TV	D30	DT	CP	PHILADELPHIA, PA	BLANK0000033618	0.6		
	WTFX-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	0.2		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
3372.8		3,462,683		3371.4 3,462,515		139.5 97,341	139.0 97,004 0.35 0.35		
Undesired				Total IX	Unique IX, before	Unique IX, after			
WZPA-LD D29 LD LIC				8.6 5,744		0.5 337			
KYW-TV D30 DT CP				3229.2 3,363,074	2480.1 2,390,185	2480.1 2,390,185			
WTFX-TV D31 DT CP				751.8 974,989	2.7 2,100	2.0 727			

Interference to proposal scenario 1

62.65% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WZPA-LD	D29	LD	LIC	PHILADELPHIA, PA	BLDTL20120615AAK	
Undesireds:	WCAU	D28	DT	CP	PHILADELPHIA, PA	BLANK0000034346	0.0 km
	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	237.3
	WMDT	D29	DT	CP	SALISBURY, MD	BLANK0000027459	176.5
	WLNY-TV	D29	DT	CP	RIVERHEAD, NY	BLANK0000034023	218.1

WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDT20090223ABU	204.5
KYW-TV	D30	DT	CP	PHILADELPHIA, PA	BLANK0000033618	0.5
WELL-LD	D30	LD	LIC	PHILADELPHIA, PA	BLDTL20100208AAC	0.3

Service area	Terrain-limited	IX-free	Percent IX
3730.8 3,846,441	3652.6 3,824,715	1046.7 1,428,402	71.34 62.65

Undesired	Total IX	Unique IX	Prcnt Unique IX
WCAU D28 DT CP	2045.6 1,709,555	9.3 3,645	0.26 0.10
WWPB D29 DT CP	0.5 556	0.0 0	0.00 0.00
WMDT D29 DT CP	19.6 16,324	0.0 0	0.00 0.00
WLNY-TV D29 DT CP	42.7 16,736	0.0 0	0.00 0.00
KYW-TV D30 DT CP	2595.4 2,392,418	560.3 686,758	15.34 17.96
WELL-LD D30 LD LIC	471.8 409,536	0.0 0	0.00 0.00