

## Displacement

WELL-LD is on Channel 30 and is being displaced by KYW's Channel 30, less than .6 Km away, causing them 7.07% Interference and receiving 98.62% Interference. See the study below.

Study created: 2018.03.22 09:49:56

Study build station data: LMS TV 2018-03-21 (45)

Proposal: WELL-LD D30 LD LIC PHILADELPHIA, PA  
File number: BLDTL20100208AAC  
Facility ID: 167028  
Station data: User record  
Record ID: 927  
Country: U.S.

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

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WEVD-LD	N27+	TX	LIC	DOVER, DE	BLTTL19870929IH	97.3 km
No	WMPB	D29	DT	LIC	BALTIMORE, MD	BLEDT20090330AEX	147.3
No	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	237.2
No	WMDT	D29	DT	CP	SALISBURY, MD	BLANK0000027459	176.1
No	W49BE-D	D29z	LD	APP	HACKETTSTOWN, NJ	BLANK0000041594	95.4
No	WLNY-TV	D29	DT	CP	RIVERHEAD, NY	BLANK0000034023	218.3
No	W47DH-D	D29	LD	APP	CLARKS SUMMIT, ETC., PA	BLANK0000039291	163.2
No	WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDT20090223ABU	204.7
No	WQMY	D29	DT	APP	WILLIAMSPORT, PA	BLANK0000035754	204.7
No	WEDH	D30	DT	CP	HARTFORD, CT	BLANK0000034543	274.0
No	WIAV-CD	D30	DC	CP	WASHINGTON, DC	BLANK0000029340	199.9
No	WBZ-TV	D30	DT	LIC	BOSTON, MA	BLCDT20060420ABG	419.1
No	W30DT-D	D30	LD	CP	SALISBURY, MD	BDCCDTL20120628AAS	185.9
Yes	WFUT-DT	D30	DT	LIC	NEWARK, NJ	BLANK0000037827	132.0

No	WYDC	D30	DT	CP	CORNING, NY	BLANK0000034651	280.0
No	WSKA	D30	DT	LIC	CORNING, NY	BLEDT20060705ABL	280.0
No	W30AZ-D	D30	LD	LIC	ELLENVILLE, NY	BLDTL20141229AGO	186.1
No	WNYN-LD	D30	LD	APP	NEW YORK, NY	BLANK0000048135	135.0
No	W30BW	N30+	TX	LIC	OLEAN, NY	BLTT20020307ABR	348.1
No	W30BW	D30	LD	CP	OLEAN, NY	BLANK0000022310	371.9
No	WUTR	D30	DT	LIC	UTICA, NY	BLCDT20040217ADC	345.3
Yes	KYW-TV	D30	DT	CP	PHILADELPHIA, PA	BLANK0000033618	0.6
No	WBYD-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000027761	403.5
No	WPTG-CD	D30	DC	APP	PITTSBURGH, PA	BLANK0000029758	403.6
No	WNVN	D30	DT	LIC	GOLDVEIN, VA	BLEDT20031230AAR	245.8
No	W30CT-D	D30	LD	LIC	HARRISONBURG, VA	BLDTT20110512AAN	355.0
No	WDCO-CD	D30	DC	CP	WOODSTOCK, VA	BLANK0000027758	247.8
No	WETA-TV	D31	DT	CP	WASHINGTON, DC	BLANK0000029879	199.0
No	WETA-TV	D31	LD	CP	WASHINGTON, DC	BDRTEDT20090811ACE	216.0
No	WRDE-LD	D31	LD	LIC	REHOBOTH BEACH, DE	BLDTL20081024AAY	148.4
No	WPPX-TV	D31	DT	LIC	WILMINGTON, DE	BLCDT20031203AFL	0.3
No	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	232.5
Yes	WPXN-TV	D31	DT	LIC	NEW YORK, NY	BLANK0000037694	127.9
No	W31EF-D	D31+	LD	LIC	PORT JERVIS, NY	BLANK0000019117	120.8
No	W31EF-D	D31+	LD	CP	PORT JERVIS, NY	BLANK0000030449	117.7
No	WGAL	D31	LD	APP	LANCASTER, PA	BDRTCDT20090824ADR	190.8
No	WTFX-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000034830	0.2
No	WSWB	D31	DT	LIC	SCRANTON, PA	BLCDT20140326AAZ	160.7

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: D30

Mask: Stringent

Latitude: 40 2 19.70 N (NAD83)

Longitude: 75 14 12.80 W

Height AMSL: 299.8 m  
HAAT: 0.0 m  
Peak ERP: 10.0 kW  
Antenna: ANT-ACB8CR (ID 17700) 150.0 deg  
Elev Pattn: Generic  
Elec Tilt: 1.00

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.009 kW	229.5 m	14.7 km
45.0	0.009	196.4	13.6
90.0	1.60	252.6	41.9
135.0	9.31	283.1	52.8
180.0	9.80	263.9	52.0
225.0	0.081	211.5	24.3
270.0	0.009	181.0	13.1
315.0	0.009	257.0	15.2

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 234 m

Distance to Canadian border: 419.6 km

Distance to Mexican border: 2543.4 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 234.9 degrees    Distance: 166.8 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: 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%

\*\*IX check failure to BLANK0000033618 CP scenario 1, 7.07% interference caused  
\*\*IX check failure to BLANK0000033618 CP scenario 2, 7.07% interference caused  
\*\*IX check failure to BLANK0000033618 CP scenario 3, 7.07% interference caused  
\*\*IX check failure to BLANK0000033618 CP scenario 4, 7.07% interference caused

---- Below is IX received by proposal BLDTL20100208AAC ----

Proposal receives 98.62% interference from scenario 1