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Study build station data: LMS TV 2020-01-24

Proposal: WELL-LD D29 LD CP PHILADELPHIA, PA  
File number: BLANK0000051711  
Facility ID: 167028  
Station data: User record  
Record ID: 2908  
Country: U.S.

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	WHPX-TV	D28	DT	LIC	NEW LONDON, CT	BLANK0000080171	273.8
No	WFPT	D28	DT	LIC	FREDERICK, MD	BLANK0000078429	197.7
No	WGDV-LD	D28	LD	CP	SALISBURY, MD	BLANK0000054787	176.5
No	WNYJ-LD	D28-	LD	LIC	New York, NY	BLANK0000081638	150.9
No	W28ES-D	D28z	LD	LIC	New York, NY	BLANK0000052790	117.4
No	WEPT-CD	D28	DC	CP	NEWBURGH, NY	BLANK0000073064	213.6
No	WCAU	D28	DT	LIC	PHILADELPHIA, PA	BLANK0000079825	0.0
No	W28DP-D	D28	LD	LIC	POTTSVILLE, PA	BLDTT20091009ADU	107.7
No	WBRE-TV	D28	LD	LIC	WILKES-BARRE, PA	BLCDT20091211ADO	177.5
No	W29FM-D	D29	LD	CP	WYOMING, DE	BLANK0000071866	141.0
No	WTXX-LD	D29	LD	CP	SPRINGFIELD, MA	BLANK0000053148	282.9
Yes	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	237.3
Yes	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
Yes	W29FF-D	D29	LD	LIC	ATLANTIC CITY, NJ	BLANK0000094133	70.7
Yes	W29EV-D	D29z	LD	LIC	HACKETTSTOWN, NJ	BLANK0000074735	95.2
No	W29EZ-D	D29	LD	LIC	ELMIRA, NY	BLANK0000066382	256.4
Yes	W31EF-D	D29+	LD	CP	New York, NY	BLANK0000084658	133.3
No	WLNY-TV	D29	DT	LIC	RIVERHEAD, NY	BLANK0000080208	218.1
No	WBGT-CD	D29	DC	LIC	ROCHESTER, NY	BLANK0000095379	395.4
No	WRGB	D29	LD	CP	SCHENECTADY, NY	BLANK0000054897	236.2
No	WKTV	D29	DT	LIC	UTICA, NY	BLCDT20060630ACL	341.1
No	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000092587	401.6
No	W29EU-D	D29	LD	LIC	CLARKS SUMMIT, ETC., PA	BLANK0000060867	162.9
No	WJAC-TV	D29	LD	LIC	JOHNSTOWN, PA	BLCDT20130416AAU	293.5
No	WHVL-LP	N29+	TX	LIC	STATE COLLEGE, ETC., PA	BLTTL19911123JH	251.2

No	WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDT20090223ABU	204.5
Yes	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	LIC	HARTFORD, CT	BLANK0000080371	273.8
No	WIAV-CD	D30	DC	CP	WASHINGTON, DC	BLANK0000090104	200.1
No	WYNB-LD	D30	LD	CP	ELLENVILLE, NY	BLANK0000092720	197.1
No	WNJJ-LD	D30	LD	CP	New York, NY	BLANK0000054813	117.4
No	WNYN-LD	D30	LD	CP	NEW YORK, NY	BLANK0000078764	120.5
No	W43CO-D	D30	LD	CP	KINGSTON, PA	BLANK0000054197	151.8
No	KYW-TV	D30	DT	CP	PHILADELPHIA, PA	BLANK0000033618	0.5
No	W23EX-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 L DA2 D PHILADELPHIA, PA BMML20171220ACU

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: 313.0 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: SWR-SWLP160I (ID 70021) 150.0 deg

Elev Pattn: Generic

Elec Tilt: 1.00

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	6.14 kW	244.3 m	48.6 km
45.0	5.77	208.6	46.3
90.0	10.1	264.0	52.2
135.0	14.7	292.6	55.8
180.0	13.5	275.4	54.4
225.0	8.33	220.2	48.8
270.0	5.40	193.5	45.1
315.0	6.63	263.2	50.0

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 245 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: 2.00 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 BLANK0000094133 LIC scenario 1, 54.34% interference caused

---- Below is IX received by proposal BLANK0000051711 ----

Proposal receives 21.97% interference from scenario 1