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Study build station data: LMS TV 2024-04-23

Proposal: WCFG-LD D36 LD CP PHILADELPHIA, PA  
File number: BLANK0000062985  
Facility ID: 167606  
Station data: User record  
Record ID: 2903  
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W35CS-D	D35	LD	LIC	OCEAN CITY, MD	BLDTL20090803ADY	166.9 km
No	WNJU	D35	DT	LIC	LINDEN, NJ	BLANK0000221191	122.4
No	WGAL	D35	LD	LIC	LANCASTER, PA	BLANK0000120645	145.6
Yes	WFPA-CD	D35	DC	LIC	PHILADELPHIA, PA	BLANK0000079887	5.2
No	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	205.3
No	WFSB	D36	DT	LIC	HARTFORD, CT	BLANK0000159868	275.5
Yes	WTTG	D36	DT	LIC	WASHINGTON, DC	BLANK0000152125	205.3
No	WCEA-LD	D36	LD	LIC	BOSTON, MA	BLANK0000144689	427.0
No	WWDP	D36	DT	CP	NORWELL, MA	BLANK0000210032	413.7
Yes	WMGM-TV	D36	DT	LIC	WILDWOOD, NJ	BLANK0000035355	111.6
No	WNLO	D36	DT	LIC	BUFFALO, NY	BLANK0000137113	405.8
Yes	WCBS-TV	D36	DT	LIC	NEW YORK, NY	BLANK0000221185	122.4
No	WSPX-TV	D36	DT	LIC	SYRACUSE, NY	BLANK0000081964	326.6
No	WNGN-LD	D36	LD	LIC	TROY, NY	BLANK0000082225	355.6
No	W36FK-D	D36+	LD	CP	Altoona, PA	BLANK0000241614	345.3
No	W36FK-D	D36+	LD	LIC	Altoona, PA	BLANK0000164321	373.7
No	W36EY-D	D36-	DC	LIC	BERWICK, PA	BLANK0000105623	134.9
Yes	WITF-TV	D36	DT	LIC	HARRISBURG, PA	BLANK0000223452	145.6
No	WSWB	D36	LD	LIC	SCRANTON, PA	BLCDT20091217AEX	174.4
No	DW36BE-D	D36	LD	APP	STATE COLLEGE, PA	BLDTT20091023AIW	239.5
No	WWLM-CD	D36	DC	LIC	WASHINGTON, PA	BLANK0000189896	428.5
No	WSVF-CD	D36	DC	LIC	HARRISONBURG, VA	BLANK0000120243	360.3
No	WPMC-CD	D36	DC	LIC	MAPPSVILLE, VA	BLANK0000001499	250.1
No	WRID-LD	D36	LD	LIC	RICHMOND, VA	BLANK0000190917	348.6
No	WYSJ-CD	D36	DC	LIC	YORKTOWN, VA	BLANK0000150138	350.3
No	WYSJ-CD	D36	DC	CP	YORKTOWN, VA	BLANK0000240028	378.7

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: 40 4 24.00 N (NAD83)  
Longitude: 75 11 27.00 W  
Height AMSL: 185.0 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: SWR SL-RR 235.0 deg  
Elev Pattn: Generic

50.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.037 kW	100.2 m	13.5 km
45.0	0.013	97.3	10.4
90.0	0.013	135.6	12.1
135.0	0.150	157.4	23.9
180.0	0.408	154.1	28.7
225.0	13.5	99.0	42.3
270.0	2.28	110.8	34.6
315.0	0.150	108.8	20.1

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 120 m

Distance to Canadian border: 417.2 km

Distance to Mexican border: 2548.7 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 234.6 degrees Distance: 172.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 280.0 degrees Distance: 2540.8 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%

---- Below is IX received by proposal BLANK0000062985 ----

Proposal receives 8.07% interference from scenario 1  
No IX check failures found.