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Study build station data: LMS TV 2018-03-31 (46)

Proposal: W45CP-D D29 LD LIC ATLANTIC CITY, NJ
File number: BLDTL20141103ADS
Facility ID: 68044
Station data: User record
Record ID: 1107
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

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	147.6 km
No	WEVD-LD	N27+	TX	LIC	DOVER, DE	BLTTL19870929IH	100.9
No	WFPT	D28	DT	CP	FREDERICK, MD	BLANK0000029876	243.8
No	WFPT	D28	DT	LIC	FREDERICK, MD	BLEDT20090330AFA	243.8
No	WCPB	D28	DT	LIC	SALISBURY, MD	BLEDT20090209AEM	173.2
No	WNBC	D28	DT	LIC	NEW YORK, NY	BLANK0000003184	124.5
No	W28ES-D	D28z	LD	LIC	PORT JERVIS, NY	BLANK0000048521	122.3
No	WFPA-CD	D28	DC	LIC	PHILADELPHIA, PA	BLANK0000001669	70.7
No	WCAU	D28	DT	CP	PHILADELPHIA, PA	BLANK0000034346	70.7
No	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153	70.7
No	WUTF-TV	D29	DT	LIC	WORCESTER, MA	BLANK0000001072	375.5
No	WMPB	D29	DT	LIC	BALTIMORE, MD	BLEDT20090330AEX	194.9
No	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	294.4
No	WWPB	D29	DT	BL	HAGERSTOWN, MD	DTVBL65943	294.4
No	WMDT	D29	DT	CP	SALISBURY, MD	BLANK0000027459	169.7
No	WMDT	D29	DT	BL	SALISBURY, MD	DTVBL16455	169.7
No	WUND-TV	D29	DT	CP	EDENTON, NC	BLANK0000025090	452.3
No	WUND-TV	D29	DT	BL	EDENTON, NC	DTVBL69292	452.3
No	WNEU	D29	DT	CP	MERRIMACK, NH	BLANK0000034700	399.9
No	WNEU	D29	DT	BL	MERRIMACK, NH	DTVBL51864	439.0
Yes	W49BE-D	D29z	LD	APP	HACKETTSTOWN, NJ	BLANK0000041594	130.5
Yes	WLNY-TV	D29	DT	CP	RIVERHEAD, NY	BLANK0000034023	190.3
Yes	WLNY-TV	D29	DT	BL	RIVERHEAD, NY	DTVBL73206	190.3
No	WKTV	D29	DT	LIC	UTICA, NY	BLCDT20060630ACL	378.8
No	W47DH-D	D29	LD	APP	CLARKS SUMMIT, ETC., PA	BLANK0000039291	218.5
No	WJAC-TV	D29	LD	LIC	JOHNSTOWN, PA	BLCDT20130416AAU	358.0
No	WHVL-LP	N29+	TX	LIC	STATE COLLEGE, ETC., PA	BLTTL19911123JH	321.4

No	WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDT20090223ABU	274.7
No	WQMY	D29	DT	APP	WILLIAMSPORT, PA	BLANK0000035754	274.7
No	WCVW	D29	DT	CP	RICHMOND, VA	BLANK0000034129	361.5
No	WCVW	D29	DT	BL	RICHMOND, VA	DTVBL9989	361.5
No	WVBT	D29	DT	LIC	VIRGINIA BEACH, VA	BLCDT20020326ABB	364.5
No	WFUT-DT	D30	DT	LIC	NEWARK, NJ	BLANK0000037827	124.5
No	WNYN-LD	D30	LD	APP	NEW YORK, NY	BLANK0000048135	127.2
No	KYW-TV	D30	DT	CP	PHILADELPHIA, PA	BLANK0000033618	71.2
No	WELL-LD	D30	LD	LIC	PHILADELPHIA, PA	BLDTL20100208AAC	70.6
No	KYW-TV	D30	DT	BL	PHILADELPHIA, PA	DTVBL25453	71.2
No	W35DK-D	N36z	TX	LIC	SUSSEX, NJ	BLTT19970806JC	159.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29
 Mask: Full Service
 Latitude: 39 42 29.40 N (NAD83)
 Longitude: 74 31 47.50 W
 Height AMSL: 76.0 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: SCA-PR-450CU (ID 23500) 20.0 deg
 Elev Pattn: Generic

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.17 kW	51.9 m	28.7 km
45.0	1.13	41.3	21.2
90.0	0.041	47.7	10.0
135.0	0.035	63.9	11.1
180.0	0.009	73.0	8.5
225.0	0.017	65.1	9.4
270.0	0.029	63.1	10.5
315.0	0.037	57.4	10.7

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: 58 m

Distance to Canadian border: 474.9 km

Distance to Mexican border: 2576.8 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 253.7 degrees Distance: 205.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 281.0 degrees Distance: 2603.6 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%

No IX check failures found.