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Study build station data: LMS TV 2018-04-18

Proposal: W41DO-D D27 LD STA NEW YORK, NY  
File number: W41DO Proposed 27 at 3.5 kw  
Facility ID: 60554  
Station data: User record  
Record ID: 152  
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 (km)
No	W20CM	N20-	TX	LIC	PORT JERVIS, NY	BLTTTL20071129AIS	89.5
No	W25FA-D	N24	TX	LIC	PORT JERVIS, NY	BLTTTL20121024AAA	89.5
No	WHPX-TV	D26	DT	LIC	NEW LONDON, CT	BLCDT20090612AII	165.2
No	WGGB-TV	D26	DT	CP	SPRINGFIELD, MA	BLANK0000024834	197.8
No	WGGB-TV	D26	DT	BL	SPRINGFIELD, MA	DTVBL25682	197.8
No	WBFF	D26	DT	CP	BALTIMORE, MD	BLANK0000025699	277.7
No	WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758	277.7
No	WQAV-CD	D26	DC	CP	GLASSBORO, NJ	BLANK0000034526	136.1
No	WQAV-CD	D26	DC	BL	GLASSBORO, NJ	DTVBL191822	149.5
No	WFUT-DT	D26	DT	CP	NEWARK, NJ	BLANK0000034667	2.1
No	WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	2.1
No	WTEN	D26	DT	LIC	ALBANY, NY	BLCDT20060104ACC	207.2
Yes	WYXN-LD	D26	LD	LIC	NEW YORK, NY	BLDTL20091123AAX	2.6
No	W26CE	N26-	TX	LIC	NEW YORK, NY	BLTTTL20080306ABU	101.4
No	W26DB-D	D26-	LD	LIC	PORT JERVIS, NY	BLANK0000049187	24.3
No	W26DB-D	N26-	TX	LIC	PORT JERVIS, NY	BLTTTL20070223AHI	89.5
No	W26DC-D	D26	LD	CP	ROSLYN, NY	BLANK0000003358	29.0
No	W26DC-D	D26	LD	LIC	ROSLYN, NY	BLDTT20140310ADR	25.6
No	W39EB-D	D26	LD	APP	WHITE LAKE, NY	BLANK0000052128	125.9
No	WYLN-LP	D26+	DC	CP	HAZLETON, PA	BLANK0000034698	168.7
No	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	168.7
No	KYW-TV	D26	DT	LIC	PHILADELPHIA, PA	BLCDT20090326ABH	134.2
No	WETA-TV	D27	DT	LIC	WASHINGTON, DC	BLEDT20120731ALN	333.2
No	WEVD-LD	N27+	TX	LIC	DOVER, DE	BLTTTL19870929IH	218.0
No	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	273.6
No	WUNI	D27	DT	APP	MARLBOROUGH, MA	BLANK0000035720	285.8
No	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	277.9
No	WMAR-TV	D27	DT	BL	BALTIMORE, MD	DTVBL59442	277.9
No	W27DO-D	D27	LD	CP	SALISBURY, MD	BNPDTL20100817AAQ	296.9
Yes	W43CH-D	D27+	LD	APP	BELVIDERE, NJ	BLANK0000041584	92.3
No	WPSJ-CD	D27	DC	CP	HAMMONTON, NJ	BLANK0000033831	134.1
No	WPSJ-CD	D27	DC	BL	HAMMONTON, NJ	DTVBL167543	136.8
No	WIVT	D27	DT	CP	BINGHAMTON, NY	BLANK0000028447	219.0
No	WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260	219.0
No	WIXT-CD	D27	DC	CP	DEWITT, NY	BLANK0000034942	305.3
No	WIXT-CD	D27	DC	BL	DEWITT, NY	DTVBL14312	305.3
Yes	WNYW	D27	DT	CP	NEW YORK, NY	BLANK0000034611	6.6

Yes	WNYW	D27	DT	BL	NEW YORK, NY	DTVBL22206	2.1
No	WFXV	D27	DT	LIC	UTICA, NY	BLCDT20090331ADG	283.1
No	WHVL-LD	D27	LD	LIC	STATE COLLEGE, ETC., PA	BLANK0000006251	337.3
No	W28AJ	N28z	TX	LIC	ALLINGTOWN, CT	BLTTL20010608AAO	102.5
No	WHPX-TV	D28	DT	CP	NEW LONDON, CT	BLANK0000034398	165.2
No	WHPX-TV	D28	DT	BL	NEW LONDON, CT	DTVBL51980	165.2
Yes	W28ES-D	D28z	LD	LIC	New York, NY	BLANK0000052790	24.3
No	WEPT-CD	D28	DC	CP	NEWBURGH, NY	BLANK0000034537	106.4
No	WEPT-CD	D28	DC	BL	NEWBURGH, NY	DTVBL30429	147.5
No	WFPA-CD	D28	DC	LIC	PHILADELPHIA, PA	BLANK0000001669	133.9
No	WCAU	D28	DT	CP	PHILADELPHIA, PA	BLANK0000034346	133.9
No	WCAU	D28	DT	BL	PHILADELPHIA, PA	DTVBL63153	133.9
No	WBRE-TV	D28	LD	LIC	WILKES-BARRE, PA	BLCDT20091211ADO	155.6
No	W34DI-D	N34+	TX	LIC	PORT JERVIS, NY	BLTTL20070223AHK	89.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27  
Mask: Full Service  
Latitude: 40 45 42.20 N (NAD83)  
Longitude: 73 58 5.00 W  
Height AMSL: 270.7 m  
HAAT: 0.0 m  
Peak ERP: 3.50 kW  
Antenna: PSI-CUSTOM PANEL (ID 1002884) 75.0 deg  
Elev Pattnr: Generic  
Elec Tilt: 1.00

50.0 dBu contour:			
Azimuth	ERP	HAAT	Distance
0.0 deg	0.085 kW	232.2 m	25.9 km
45.0	1.83	261.0	43.3
90.0	2.94	256.1	45.6
135.0	0.272	254.7	32.9
180.0	0.012	255.4	17.0
225.0	0.007	269.4	15.1
270.0	0.043	258.4	23.5
315.0	0.018	252.7	18.7

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 255 m

Distance to Canadian border: 394.9 km

Distance to Mexican border: 2676.8 km

Conditions at FCC monitoring station: Laurel MD  
Bearing: 234.8 degrees    Distance: 300.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 278.9 degrees      Distance: 2630.3 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 BLANK0000034611 CP scenario 1, 22.75% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 2, 22.63% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 3, 22.75% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 4, 22.63% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 5, 22.75% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 6, 22.64% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 7, 22.75% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 8, 22.63% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 9, 22.73% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 10, 22.61% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 11, 22.73% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 12, 22.61% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 13, 22.73% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 14, 22.61% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 15, 22.73% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 16, 22.61% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 17, 22.75% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 18, 22.63% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 19, 22.75% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 20, 22.63% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 21, 22.75% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 22, 22.64% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 23, 22.75% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 24, 22.63% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 25, 22.73% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 26, 22.61% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 27, 22.73% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 28, 22.61% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 29, 22.73% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 30, 22.61% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 31, 22.73% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 32, 22.61% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 33, 22.75% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 34, 22.64% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 35, 22.75% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 36, 22.63% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 37, 22.75% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 38, 22.64% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 39, 22.75% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 40, 22.63% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 41, 22.73% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 42, 22.61% interference caused  
\*\*IX check failure to BLANK0000034611 CP scenario 43, 22.73% interference caused

[illegible]





[illegible]











\*\*IX check failure to DTVBL22206 BL scenario 220, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 221, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 222, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 223, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 224, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 225, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 226, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 227, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 228, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 229, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 230, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 231, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 232, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 233, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 234, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 235, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 236, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 237, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 238, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 239, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 240, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 241, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 242, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 243, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 244, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 245, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 246, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 247, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 248, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 249, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 250, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 251, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 252, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 253, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 254, 2.79% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 255, 2.80% interference caused  
\*\*IX check failure to DTVBL22206 BL scenario 256, 2.79% interference caused

---- Below is IX received by proposal W41D0 Proposed 27 at 3 ----

Proposal receives 94.97% interference from scenario 1  
Proposal receives 94.98% interference from scenario 2