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

Proposal: WACN-LP D34 LD CP RALEIGH, NC
File number: BDISDTL20100128AAB
Facility ID: 70110
Station data: User record
Record ID: 1145
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	W19CA	N19-	TX	LIC	LUMBERTON, NC	BLTT19961112JH	123.7 km
Yes	WMYV	D33	DT	LIC	GREENSBORO, NC	BLCDDTL20020430ABD	91.5
No	W33DM-D	D33	LD	CP	JACKSONVILLE, NC	BDCCDTL20110722AEM	186.5
No	W33DI-D	D33	LD	CP	LUMBERTON, NC	BNPDTL20100210AAT	146.3
No	WLPS-CD	D33	DC	CP	LUMBERTON-PEMBROKE, NC	BLANK0000036104	123.7
No	WUNL-TV	D33	DT	CP	WINSTON-SALEM, NC	BLANK0000034443	146.4
No	W33AD	N33	TX	LIC	CONCORD, VA	BLTT19821108IO	152.4
No	WTVZ-TV	D33	DT	LIC	NORFOLK, VA	BLCDDT20090602ABA	226.6
No	WRC-TV	D34	DT	CP	WASHINGTON, DC	BLANK0000034340	363.1
Yes	WSOC-TV	D34	DT	LIC	CHARLOTTE, NC	BLCDDT20040526ANW	190.1
No	W34EL-D	D34	LD	CP	GREENVILLE, NC	BNPDTL20100809CHS	141.5
No	WPXU-TV	D34	DT	LIC	JACKSONVILLE, NC	BLCDDT20021029AAD	204.2
No	WPEM-LD	D34	LD	APP	LUMBERTON, NC	BLANK0000030452	146.3
No	WYBE-CD	D34	DC	CP	PINEHURST, NC	BLANK0000027048	105.4
No	W06AN	D34	LD	CP	SAPPHIRE VALLEY,ETC., NC	BDISDTT20120614AAN	357.1
Yes	WARZ-CD	D34	DC	LIC	SMITHFIELD-SELMA, NC	BLANK0000001105	42.0
Yes	WITN-TV	D34	DT	CP	WASHINGTON, NC	BLANK0000034101	145.4
No	W34DX-D	D34	LD	LIC	WEST ASHEVILLE, NC	BLDTT20130530AGK	350.6
No	WGWG	D34	DT	LIC	CHARLESTON, SC	BLCDDT20060630ADJ	348.9
No	WNSC-TV	D34	DT	CP	ROCK HILL, SC	BLANK0000025025	236.2
No	WNSC-TV	D34	DT	APP	ROCK HILL, SC	BLANK0000034493	236.2
No	WVLT-TV	D34	DT	CP	KNOXVILLE, TN	BLANK0000025085	462.3
No	WTNZ	D34	DT	LIC	KNOXVILLE, TN	BMLCDDT20040706ABG	461.0
No	W34EV-D	D34	LD	CP	Charlottesville, VA	BLANK0000008300	233.7
No	WPXW-TV	D34	DT	LIC	MANASSAS, VA	BLCDDT20090612AIZ	364.2
Yes	WSLS-TV	D34	DT	CP	ROANOKE, VA	BLANK0000029619	180.6
No	WVPB-TV	D34	DT	LIC	HUNTINGTON, WV	BLEDT20120214AAS	409.8
No	WNPB-TV	D34	DT	CP	MORGANTOWN, WV	BLANK0000034624	421.5

Yes	WFMY-TV	D35	DT	CP	GREENSBORO, NC	BLANK0000028086	93.0
Yes	WGHP	D35	DT	LIC	HIGH POINT, NC	BLCDT20100315ABW	94.1
No	WTMV-LD	D35	LD	APP	OGDEN, NC	BLANK0000028008	207.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D34
Mask: Full Service
Latitude: 35 58 40.00 N (NAD83)
Longitude: 78 48 57.00 W
Height AMSL: 245.0 m
HAAT: 0.0 m
Peak ERP: 9.00 kW
Antenna: DIE F Modified 300.0 deg
Elev Pattn: Generic

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.53 kW	155.1 m	38.3 km
45.0	0.141	159.2	23.8
90.0	0.008	143.8	11.2
135.0	0.008	112.3	9.9
180.0	0.044	133.0	15.9
225.0	1.13	149.0	33.8
270.0	6.50	139.8	42.1
315.0	8.29	134.7	43.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 141 m

Distance to Canadian border: 705.1 km

Distance to Mexican border: 2047.4 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 25.8 degrees Distance: 395.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 289.3 degrees Distance: 2347.9 km

Study cell size: 0.50 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 BDISDTL20100128AAB ----

Proposal receives 6.46% interference from scenario 1
**MX with BLANK0000034493 APP scenario 2, 6.46% interference received