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Study build station data: LMS TV 2020-01-15

Proposal: WYAT-LP D25 LD CP MARTINSVILLE, VA
File number: BDFCDTL20121001AHE
Facility ID: 61258
Station data: User record
Record ID: 2898
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WCNC-TV	D24	DT	LIC	CHARLOTTE, NC	BLANK0000087279	189.7 km
No	W24CP-D	D24	LD	LIC	DURHAM, NC	BLANK0000004266	111.3
No	WUBX-CD	D24	DC	CP	DURHAM, ETC., NC	BLANK0000034665	123.5
No	W24AY-D	D24	LD	LIC	LILESVILLE/WADESBORO, NC	BLDTT20111212AFX	186.0
No	WRLH-TV	D24	DT	LIC	RICHMOND, VA	BLANK0000081561	221.0
No	WVAH-TV	D24	DT	LIC	CHARLESTON, WV	BLANK0000087458	261.5
No	W25FL-D	D25	LD	CP	AUGUSTA, GA	BLANK0000074306	429.5
No	WUPX-TV	D25	DT	LIC	RICHMOND, KY	BLANK0000075153	442.5
No	WNUV	D25	DT	LIC	BALTIMORE, MD	BLANK0000059729	407.4
No	W42CK	D25+	LD	CP	HAGERSTOWN, MD	BLANK0000054340	372.3
Yes	WJZY	D25	DT	LIC	BELMONT, NC	BLANK0000081702	187.4
No	WDMC-LD	D25	LD	LIC	CHARLOTTE, NC	BLDTL20121113AII	176.0
No	WUNK-TV	D25	DT	CP	GREENVILLE, NC	BLANK0000025767	240.0
Yes	W25AY-D	D25	LD	LIC	JEFFERSON, NC	BLDTT20100503ABO	146.5
No	W25EU-D	D25	LD	CP	LUMBERTON, NC	BNPDTL20100210AAS	259.1
No	W25FN-D	D25	LD	CP	WILMINGTON, NC	BLANK0000071896	300.2
No	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	422.8
No	WCIV	D25	DT	LIC	CHARLESTON, SC	BLANK0000081822	417.3
No	WZRB	D25	DT	LIC	COLUMBIA, SC	BLANK0000081456	311.5
No	NEW	D25	LD	APP	FLORENCE, SC	BNPDTL20090825AZB	294.4
No	WVAD-LD	D25	LD	LIC	CHESAPEAKE, VA	BLDTL20121214ABD	319.9
No	WWBK-LD	D25	LD	CP	RICHMOND, VA	BLANK0000051589	221.0
Yes	WLFB	D25	DT	CP	BLUEFIELD, WV	BLANK0000034862	136.1
Yes	WGPX-TV	D26	DT	LIC	BURLINGTON, NC	BLANK0000081829	91.4
No	WHEH-LD	D26	LD	LIC	LUMBERTON, NC	BLANK0000073372	176.1
No	W26FA-D	D26	LD	LIC	MARION, NC	BLANK0000074929	184.2
No	WWMB	D26	DT	CP	FLORENCE, SC	BLANK0000034332	263.0
No	WHTJ	D26	DT	CP	CHARLOTTESVILLE, VA	BLANK0000034130	188.8
No	W33AD	N33	TX	LIC	CONCORD, VA	BLTTL19821108IO	106.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25
Mask: Simple
Latitude: 36 41 31.00 N (NAD83)
Longitude: 79 52 20.00 W
Height AMSL: 335.0 m
HAAT: 0.0 m
Peak ERP: 1.25 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.00

49.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.25 kW	14.2 m	19.1 km
45.0	1.25	12.7	19.1
90.0	1.25	81.7	29.3
135.0	1.25	107.2	32.3
180.0	1.25	96.2	31.1
225.0	1.25	42.5	22.4
270.0	1.25	59.5	26.1
315.0	1.25	64.6	26.9

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 60 m

Distance to Canadian border: 595.1 km

Distance to Mexican border: 2004.6 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 43.3 degrees Distance: 383.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 287.6 degrees Distance: 2233.0 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%

---- Below is IX received by proposal BDFCDTL20121001AHE ----

Proposal receives 8.09% interference from scenario 1
No IX check failures found.