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Study build station data: LMS TV 2020-12-26

Proposal: WDTT-LD D17 LD LIC KNOXVILLE, TN
File number: BLDTL20130311AEF
Facility ID: 35261
Station data: User record
Record ID: 386
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	197.3 km
No	W16DZ-D	D16	LD	LIC	TRYON, NC	BLANK0000121648	174.7
No	WWYA-LD	D16	LD	LIC	HONEA PATH, SC	BLANK0000093423	182.5
No	WAPK-CD	D16	DC	LIC	BRISTOL VA/KINGSPORT, TN	BLANK0000070481	170.2
Yes	WEZK-LD	D16z	LD	LIC	KNOXVILLE, TN	BLANK0000100286	2.7
No	WHTN	D16	DT	LIC	MURFREESBORO, TN	BLANK0000100650	222.6
No	WUOA-LD	D17	LD	LIC	BIRMINGHAM, AL	BLANK0000011374	381.6
Yes	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000071637	272.2
Yes	WAAY-TV	D17	DT	APP	HUNTSVILLE, AL	BLANK0000127697	272.2
No	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	394.6
No	WJEA-LD	D17	LD	CP	AUGUSTA, GA	BLANK0000072016	339.9
Yes	WKSJ-LD	D17	LD	CP	SUMMERVILLE/TRION, GA	BLANK0000074683	208.9
No	WKMU	D17	DT	LIC	MURRAY, KY	BLANK0000087481	417.2
No	WKOH	D17	DT	LIC	OWENSBORO, KY	BLANK0000087401	363.8
Yes	WKSO-TV	D17	DT	LIC	SOMERSET, KY	BLANK0000087465	151.6
No	WCEE-LD	D17	LD	CP	CHARLOTTE, NC	BLANK0000054738	306.8
No	W24AY-D	D17	LD	CP	LILESVILLE/WADESBORO, NC	BLANK0000054532	378.6
No	W17DS-D	D17	LD	CP	SYLVA, ETC, NC	BDCCDTT20120615ADA	96.9
No	WCET	D17	DT	LIC	CINCINNATI, OH	BLANK0000087307	351.3
Yes	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000083635	146.4
No	WRTN-LD	D17	LD	CP	ALEXANDRIA, TN	BLANK0000054584	256.7
Yes	WVVA	D17	DT	LIC	BLUEFIELD, WV	BLANK0000087309	284.4
Yes	WVVA	D17	DT	APP	BLUEFIELD, WV	BLANK0000127491	284.4
No	WZDX	D18	DT	LIC	HUNTSVILLE, AL	BLANK0000108705	272.2
No	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	245.7
No	WKYU-TV	D18	DT	LIC	BOWLING GREEN, KY	BLEDT20040803AAG	251.2
No	W18EP-D	D18	LD	LIC	WEAVERVILLE, NC	BLANK0000071711	129.9
No	W18DS-D	D18	LD	LIC	CHATTANOOGA, TN	BLDTL20120320ABS	141.2
Yes	WPXK-TV	D18	DT	LIC	JELLICO, TN	BLANK0000081463	1.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D17
Mask: Full Service
Latitude: 35 59 44.40 N (NAD83)
Longitude: 83 57 23.10 W
Height AMSL: 857.7 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.75

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	503.3 m	67.3 km
45.0	15.0	536.6	68.3
90.0	15.0	569.5	69.4
135.0	15.0	571.6	69.5
180.0	15.0	594.7	70.3
225.0	15.0	566.5	69.3
270.0	15.0	533.5	68.2
315.0	15.0	536.2	68.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 552 m

Distance to Canadian border: 641.0 km

Distance to Mexican border: 1660.6 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 196.7 degrees Distance: 247.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 290.3 degrees Distance: 1911.9 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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 BLDTL20130311AEF ----

Proposal receives 2.70% interference from scenario 1
**MX with BLANK0000127491 APP scenario 2, 2.70% interference received
Proposal receives 2.70% interference from scenario 3
**MX with BLANK0000127491 APP scenario 4, 2.70% interference received