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Study build station data: LMS TV 2021-03-22

Proposal: WNTU-LP D26- LD CP NASHVILLE, TN
File number: BLANK0000048995
Facility ID: 61019
Station data: User record
Record ID: 663
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W39DS-D	D25	LD	CP	EVANSVILLE, IN	BLANK0000071993	176.5 km
No	WDKA	D25	DT	LIC	PADUCAH, KY	BLANK0000087462	228.2
No	WUPX-TV	D25	DT	LIC	RICHMOND, KY	BLANK0000075153	252.6
No	WYHB-CD	D25	DC	LIC	CHATTANOOGA, TN	BLANK0000102891	180.5
No	WYHB-CD	D25	DC	CP	CHATTANOOGA, TN	BLANK0000127542	180.5
Yes	WJFB	D25	DT	LIC	LEBANON, TN	BLANK0000087601	39.4
No	WJFB	D25	DT	CP	LEBANON, TN	BLANK0000127519	0.0
Yes	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDT20110304ACB	274.5
No	W26FC-D	D26	LD	CP	TUSCALOOSA, AL	BLANK0000071985	359.1
No	W26EM-D	D26	LD	CP	ATHENS, GA	BPDTL20141216ABG	382.4
No	WTBS-LP	N26-	TX	LIC	ATLANTA, GA	BLTTL20000620AEP	354.6
No	WLVO-LD	D26	LD	LIC	CUMMING, GA	BLANK0000008263	353.2
Yes	WFIE	D26	DT	LIC	EVANSVILLE, IN	BLANK0000087068	191.1
No	WISH-TV	D26	LD	CP	INDIANAPOLIS, IN	BLANK0000090627	405.9
No	WVVK-LP	D26-	LD	CP	MARTIN, KY	BLANK0000054354	396.5
No	KPLR-TV	D26	DT	CP	ST. LOUIS, MO	BLANK0000127593	404.0
No	KPLR-TV	D26	DT	LIC	ST. LOUIS, MO	BLANK0000125916	403.4
No	WMPJ-LD	D26	LD	LIC	CALHOUN CITY, MS	BLANK0000121704	314.4
Yes	WBUY-TV	D26	DT	LIC	HOLLY SPRINGS, MS	BLANK0000063641	290.6
No	W26FF-D	D26	LD	CP	TUPELO, MS	BLANK0000071787	273.5
No	W26FB-D	D26	LD	LIC	CANTON/WAYNESVILLE, NC	BLANK0000080640	358.5
No	WCPO-TV	D26	DT	LIC	CINCINNATI, OH	BLANK0000087181	376.3
No	WNEH	D26	DT	LIC	GREENWOOD, SC	BLANK0000081201	469.6
No	WNEH	D26	DT	CP	GREENWOOD, SC	BLANK0000086358	469.6
No	W18DS-D	D26	LD	CP	CHATTANOOGA, TN	BLANK0000051827	180.5
Yes	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	257.8
No	WNAL-LD	D27-	LD	LIC	SCOTTSBORO, AL	BLANK0000044789	174.0
No	WNAL-LD	D27-	LD	CP	SCOTTSBORO, AL	BLANK0000093022	171.8
No	WLJT-DT	D27	DT	LIC	LEXINGTON, TN	BLANK0000058637	174.2

No	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLANK0000115874	24.7
No	W34DB	N34+	TX	LIC	LEWISBURG, TN	BLTTL20050309ABL	91.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26-
 Mask: Full Service
 Latitude: 36 16 4.90 N (NAD83)
 Longitude: 86 47 44.70 W
 Height AMSL: 500.0 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: Omnidirectional
 Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	259.5 m	54.4 km
45.0	15.0	313.1	57.4
90.0	15.0	340.3	58.9
135.0	15.0	338.1	58.7
180.0	15.0	345.9	59.1
225.0	15.0	349.4	59.3
270.0	15.0	296.2	56.5
315.0	15.0	273.8	55.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 315 m

Distance to Canadian border: 698.3 km

Distance to Mexican border: 1493.9 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 144.2 degrees Distance: 327.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 290.5 degrees Distance: 1662.4 km

Study cell size: 1.00 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 BLANK0000048995 -----

Proposal receives 11.98% interference from scenario 1

Proposal receives 11.36% interference from scenario 2

No IX check failures found.