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Study build station data: LMS TV 2018-12-10

Proposal: W29DM-D D29 LD LIC LEWISBURG, TN
File number: BLDTL20120628ABM
Facility ID: 168849
Station data: User record
Record ID: 2165
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	WIIW-LP	N14z	TX	LIC	NASHVILLE, TN	BLANK0000010767	68.3 km
No	WNTU-LP	N26-	TX	LIC	NASHVILLE, TN	BLTTL20001018ABZ	65.1
No	WCQT-LP	D28	LD	CP	CULLMAN, AL	BLANK0000054789	161.8
No	WTTO	D28	DT	LIC	HOMEWOOD, AL	BLCDT20060406AAG	238.1
No	WYAM-LD	D28	LD	CP	PRICEVILLE, AL	BLANK0000054643	117.5
No	WELF-TV	D28	DT	CP	DALTON, GA	BLANK0000026361	171.9
No	WEVV-TV	D28	DT	CP	EVANSVILLE, IN	BLANK0000027564	256.2
No	WTVW	D28	DT	LIC	EVANSVILLE, IN	BLCDT20070612ABZ	268.9
No	WQTV-LP	D28+	LD	CP	MURRAY, KY	BLANK0000054105	155.3
No	WREG-TV	D28	DT	LIC	MEMPHIS, TN	BLCDT20050513AAE	257.4
No	WKUW-LD	D28	LD	CP	WHITE HOUSE, TN	BLANK0000059637	75.6
No	WBRC	D29	DT	CP	BIRMINGHAM, AL	BLANK0000034162	237.7
No	WQMK-LD	D29	LD	APP	CUSSETA, AL	BLANK0000053343	357.6
No	WBIH	D29	DT	LIC	SELMA, AL	BLCDT20090619AAY	342.5
No	WMJN-LD	D29	LD	LIC	Somerville, AL	BLDTL20150126ABT	124.2
No	W29DT-D	D29	LD	LIC	TUSCALOOSA, AL	BLDTL20140304ADJ	283.6
No	W29DN-D	D29	LD	LIC	ATHENS, GA	BLDTL20140221ACE	407.9
No	W29DN-D	D29	LD	CP	ATHENS, GA	BPDTL20140228AEM	365.1
No	WYGA-CD	D29	DC	CP	ATLANTA, GA	BLANK0000030674	321.7
No	WANN-CD	D29	DC	LIC	ATLANTA, GA	BLDTA20120402AMZ	318.6
No	W43CW-D	D29	LD	APP	COLUMBUS, GA	BLANK0000052929	421.1
No	WLEH-LD	D29	LD	CP	MOUNT VERNON, IL	BLANK0000051658	396.3
No	W29CI-D	D29	DC	LIC	SALEM, IL	BLDTA20120913AAP	370.4
No	WJYL-CD	D29	DC	CP	JEFFERSONVILLE, IN	BLANK0000034246	324.2
No	NEW	D29	LD	APP	BOWLING GREEN, KY	BNPDTL20090825BHZ	189.9
No	WKGB-TV	D29	DT	CP	BOWLING GREEN, KY	BLANK0000034655	167.6

No	WVTN-LP	D29	LD	CP	CORBIN, KY	BLANK0000054628	301.5
No	NEW	D29	LD	APP	GLASGOW, KY	BNPDTL20090825AQM	191.3
No	WXIX-TV	D29	DT	LIC	NEWPORT, KY	BLCDT20000908ABI	447.4
No	W08AO-D	D29	LD	APP	CANTON, NC	BDISDTT20090928ACC	373.8
No	W29DE-D	D29	LD	LIC	HAYESVILLE, NC	BLDTT20090210AAS	296.8
No	WPTO	D29	DT	CP	OXFORD, OH	BLANK0000034602	448.8
No	WSQY-LP	D29	LD	CP	SPARTANBURG, SC	BLANK0000059067	426.9
Yes	WTCI	D29	DT	LIC	CHATTANOOGA, TN	BLANK0000001535	166.0
No	WKOP-TV	D29	DT	CP	KNOXVILLE, TN	BLANK0000024513	281.3
No	WKNO	D29	DT	LIC	MEMPHIS, TN	BLEDT20060627ABE	257.1
Yes	WIIW-LD	D29	LD	CP	NASHVILLE, TN	BDISDTL20110831ABK	75.6
No	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLCDT20021219AAV	238.1
No	WKOH	D30	DT	LIC	OWENSBORO, KY	BLEDT20020304ALJ	249.6
No	W30DP-D	D30	LD	CP	ALGOOD, TN	BNPDTL20100609AFX	159.2
No	WCKV-LD	D30	LD	LIC	CLARKSVILLE, TN	BLDTL20131213AAA	105.0
Yes	WNAB	D30	DT	CP	NASHVILLE, TN	BLANK0000034797	75.2
No	WWHL-LD	N33-	TX	LIC	Huntsville, AL	BLTT20060817AEG	114.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29
 Mask: Full Service
 Latitude: 35 37 5.00 N (NAD83)
 Longitude: 87 2 33.00 W
 Height AMSL: 308.0 m
 HAAT: 0.0 m
 Peak ERP: 3.00 kW
 Antenna: Die-B 20.0 deg
 Elev Pattn: Generic
 Elec Tilt: 1.50

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.88 kW	69.7 m	31.3 km
45.0	2.79	102.7	35.5
90.0	1.83	87.3	31.5
135.0	1.19	106.6	31.5
180.0	1.39	62.1	26.6
225.0	1.35	87.7	30.0

270.0	1.19	112.2	32.1
315.0	1.94	114.9	34.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 93 m

Distance to Canadian border: 772.3 km

Distance to Mexican border: 1426.2 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 132.0 degrees Distance: 288.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 292.9 degrees Distance: 1668.5 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 BLDTL20120628ABM ----

Proposal receives 8.97% interference from scenario 1
No IX check failures found.