Study created: 2018.05.26 14:20:24

Study build station data: LMS TV 2018-05-25

Proposal: WYAM-LD D28 LD LIC PRICEVILLE, AL
File number: BLDTL20130828AEQ
Facility ID: 17351
Station data: User record
Record ID: 13
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	WBUN-LD	D27	LD	LIC	BIRMINGHAM, AL	BLDTL20130909ACA	120.7 km
No	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	249.5
No	WNAL-LD	D27-	LD	LIC	SCOTTSBORO, AL	BLANK0000044789	42.2
No	WNAL-LD	N27-	TX	LIC	SCOTTSBORO, AL	BLTT20060126AEL	84.3
No	WAGA-TV	D27	DT	LIC	ATLANTA, GA	BLCDT20060728AEL	252.1
No	WCBI-TV	D27	DT	CP	COLUMBUS, MS	BLANK0000024641	202.2
No	W27DS-D	D27	LD	CP	STARKVILLE, MS	BNPDTL20100512AII	211.7
No	W27DW-D	D27	LD	CP	TUPELO, MS	BNPDTL20100512AIL	159.5
No	WYHB-LP	D27z	LD	APP	CHATTANOOGA, TN	BLANK0000054521	158.1
No	WTNB-CD	D27	DC	LIC	CLEVELAND, TN	BLANK0000001208	198.1
No	WLJT-DT	D27	DT	CP	LEXINGTON, TN	BLANK0000034926	198.9
No	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLCDT20090624ABO	164.7
No	WUOA-LD	D28	LD	APP	BIRMINGHAM, AL	BLANK0000051651	120.7
Yes	WTTO	D28	DT	LIC	HOMEWOOD, AL	BLCDT20060406AAG	120.7
No	WMCF-TV	D28	DT	CP	MONTGOMERY, AL	BLANK0000042300	249.4
No	WUDX-LD	D28	LD	CP	TUSCALOOSA, AL	BMPDTL20140805ADC	185.4
No	WFSG	D28	DT	CP	PANAMA CITY, FL	BLANK0000024504	475.8

No	WDWW-LD	D28	LD	LIC	CLEVELAND, GA
BLANK0000013970		251.2			
No	W28ER-D	D28	LD	CP	COLUMBUS, GA
BNPDTL20090825BAW		300.4			
Yes	WELF-TV	D28	DT	CP	DALTON, GA
BLANK0000026361		139.5			
No	W42DU-D	D28	LD	APP	LA GRANGE, GA
BLANK0000053057		321.1			
No	NEW	D28	LD	APP	MACON, GA
BNPDTL20090825BST		370.2			
No	NEW	D28	LD	APP	MACON, GA
BNPDTL20090825AWJ		369.6			
No	NEW	D28	LD	APP	WARNER ROBBINS, GA
BNPDTL20090825AFG		370.1			
No	WEVV-TV	D28	DT	CP	EVANSVILLE, IN
BLANK0000027564		373.5			
No	WTVW	D28	DT	LIC	EVANSVILLE, IN
BLCDT20070612ABZ		386.4			
No	WLEX-TV	D28	DT	CP	LEXINGTON, KY
BLANK0000028121		446.5			
No	WQTV-LP	D28+	LD	APP	MURRAY, KY
BLANK0000054105		255.0			
No	WMAW-TV	D28	DT	CP	MERIDIAN, MS
BLANK0000026608		337.4			
No	W28DB-D	D28	LD	LIC	HONEA PATH, SC
BLDTT20100825AAD		413.2			
No	WEZK-LP	N28z	TX	LIC	KNOXVILLE, TN
BLTTL20001011ACO		314.4			
No	WEZK-LP	D28	LD	CP	KNOXVILLE, TN
BDFCDTL20130918AHU		314.4			
No	WREG-TV	D28	DT	LIC	MEMPHIS, TN
BLCDT20050513AAE		274.8			
No	WKUW-LD	D28	LD	APP	WHITE HOUSE, TN
BLANK0000051642		189.4			
Yes	WBRC	D29	DT	CP	BIRMINGHAM, AL
BLANK0000034162		120.3			
No	WBIH	D29	DT	LIC	SELMA, AL
BLCDT20090619AAY		225.3			
Yes	WMJN-LD	D29	LD	LIC	HUNTSVILLE, RI
BLDTL20150126ABT		8.4			
No	WTCI	D29	DT	LIC	CHATTANOOGA, TN
BLANK0000001535		164.9			
No	W29DM-D	D29	LD	LIC	LEWISBURG, TN
BLDTL20120628ABM		98.7			
No	WKNO	D29	DT	LIC	MEMPHIS, TN
BLEDT20060627ABE		273.3			
No	WIIW-LD	D29	LD	CP	NASHVILLE, TN
BDISDTL20110831ABK		189.4			

Non-directional AM stations within 0.8 km:
WYAM 890 L NDD D HARTSELLE, AL BL19990519DD

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D28
       Mask: Full Service
   Latitude:  34 34  0.00 N (NAD83)
  Longitude:  86 54 46.00 W
Height AMSL: 245.1 m
       HAAT: 0.0 m
   Peak ERP: 12.2 kW
    Antenna: SCA-SL-8 (ID 23503) 0.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.75
```

50.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	12.2 kW	66.7 m	38.0 km
45.0	10.4	69.3	37.7
90.0	5.64	70.0	34.8
135.0	5.48	30.4	25.6
180.0	6.32	42.7	29.8
225.0	5.08	63.4	33.3
270.0	5.81	55.8	32.6
315.0	10.1	75.0	38.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 59 m

Distance to Canadian border: 872.4 km

Distance to Mexican border: 1353.3 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 110.6 degrees Distance: 215.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 296.3 degrees Distance: 1727.9 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 BLDTL20130828AEQ ----

**MX with BLANK0000051651 APP scenario 1, 3.43% interference

received