Study created: 2018.03.28 14:52:33

Study build station data: LMS TV 2018-03-21 (45)

Proposal: WDNM-LD D22 (D21) LD LIC MEMPHIS, TN
File number: BLDTL20110105ABL
Facility ID: 26251
Station data: User record
Record ID: 1033
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	W15CG	N15-	TX	LIC	PONTOTOC, MS	BLTTL20050308ABV	128.9 km
No	WWWN-LP	N15+	TX	LIC	MEMPHIS, TN	BLTTL20111121DBI	12.8
No	WJKT	D21	DT	CP	JACKSON, TN	BLANK0000027712	104.1
No	WFIQ	D22	DT	LIC	FLORENCE, AL	BLEDT20060718ACG	201.3
No	WSWH-LD	D22	LD	APP	TUSCALOOSA, AL	BLANK0000029897	336.1
Yes	KJNE-LD	D22z	LD	APP	JONESBORO, AR	BLANK0000029560	111.8
Yes	KATV	D22	DT	LIC	LITTLE ROCK, AR	BLCDT20090225AAV	239.2
No	WTVW	D22	DT	CP	EVANSVILLE, IN	BLANK0000034881	394.6
No	WVUT	D22	DT	LIC	VINCENNES, IN	BLEDT20090709AFJ	448.1
No	KMCT-TV	D22	DT	CP	WEST MONROE, LA	BLANK0000026257	356.9
No	KBSI	D22	DT	LIC	CAPE GIRARDEAU, MO	BLCDT20110608ABZ	256.7
No	KRBK	D22	DT	CP	OSAGE BEACH, MO	BLANK0000035634	360.7
No	K22KA-D	D22	LD	CP	ROLLA, MO	BNPDTL20100406AAM	359.3
No	W22EO-D	D22	LD	CP	GREENVILLE, MS	BNPDTL20101018ACV	214.8
No	WHLT	D22	DT	APP	HATTIESBURG, MS	BLANK0000002705	416.5
No	WHLT	D22	DT	LIC	HATTIESBURG, MS	BLCDT20091216AAL	416.4
No	W22EP-D	D22	LD	CP	STARKVILLE, MS	BNPDTL20100512AIH	211.5
No	WCTE	D22	DT	LIC	COOKEVILLE, TN	BLEDT20110413ACS	427.4
No	WKPD	D23	DT	CP	PADUCAH, KY	BLANK0000025329	246.0
No	WKPD	D23	DT	APP	PADUCAH, KY	BLANK0000034632	246.0
No	WTWV	D23	DT	LIC	MEMPHIS, TN	BLANK0000048888	12.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D22
       Mask: Full Service
   Latitude:  35  6 44.10 N (NAD83)
  Longitude:  89 53 31.20 W
Height AMSL: 232.8 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: (replication) 0.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.75
```

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	5.52 kW	147.3 m	43.1 km
45.0	6.78	139.8	43.7
90.0	6.28	146.3	43.7
135.0	5.90	141.9	43.1
180.0	10.3	135.2	45.5
225.0	15.0	148.6	48.3
270.0	13.8	142.1	47.5
315.0	8.29	153.0	45.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 144 m

Distance to Canadian border: 956.1 km

Distance to Mexican border: 1214.2 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 104.9 degrees Distance: 493.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 297.0 degrees Distance: 1457.7 km

Study cell size: 2.00 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 BLDTL20110105ABL ----

**MX with BLANK0000029560 APP scenario 1, 7.75% interference received