Study created: 2022.01.13 15:57:39

Study build station data: LMS TV 2022-01-13

Proposal: WDDA-LD D24 LD CP CHATTANOOGA, TN
File number: BDCCDTL20110616AAB
Facility ID: 189643
Station data: User record
Record ID: 1632
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WCTD-LP	N22-	TX	LIC	DUCKTOWN, TN	BLTTL20070622ADD	80.7 km
No	W23EV-D	D23	LD	LIC	CARROLLTON, GA	BLANK0000125385	176.3
No	WKTB-CD	D23	DC	LIC	NORCROSS, GA	BLANK0000081811	170.0
No	W23EZ-D	D23	LD	LIC	SYLVA, NC	BLANK0000080642	182.8
No	WFLI-TV	D23	DT	LIC	CLEVELAND, TN	BLANK0000093785	3.8
No	WJDE-CD	D23	DC	LIC	NASHVILLE, TN	BLANK0000096454	177.7
No	WBXA-CD	D24	DC	LIC	BIRMINGHAM, AL	BLANK0000001638	227.4
No	WBXA-CD	D24	DC	CP	BIRMINGHAM, AL	BLANK0000035776	227.4
Yes	WHIQ	D24	DT	LIC	HUNTSVILLE, AL	BLANK0000004828	117.3
No	KPMF-LD	D24	LD	LIC	PARAGOULD, AR	BLANK0000077355	403.9
No	WXTX	D24	DT	LIC	COLUMBUS, GA	BLANK0000064021	299.5
No	W24EW-D	D24	LD	CP	MACON, GA	BLANK0000098113	321.8
No	WVND-LD	D24	LD	CP	SUWANEE, GA	BLANK0000178859	163.9
No	WVND-LD	D24	LD	LIC	SUWANEE, GA	BLANK0000179560	163.9
No	WVND-LD	D24	LD	LIC	SUWANEE, GA	BLANK0000007921	169.4
No	WGTA	D24	DT	LIC	TOCCOA, GA	BLANK0000001315	188.1
No	WDLH-LD	D24	LD	LIC	EVANSVILLE, IN	BLANK0000163786	361.6
No	WJTS-CD	D24	DC	LIC	JASPER, IN	BLANK0000083248	386.6
No	WNKY	D24	DT	LIC	BOWLING GREEN, KY	BLANK0000111324	225.0
No	DDDWQTV-LP	N24+	TX	APP	MURRAY, KY	BLTTL20010425AAF	312.8
No	WKON	D24	DT	LIC	OWENTON, KY	BLANK0000087440	380.4
No	W24EP-D	D24	DC	LIC	FULTON, MS	BLANK0000063965	292.9
No	WMDN	D24	DT	CP	MERIDIAN, MS	BLANK0000035927	439.6
No	WMDN	D24	DT	LIC	MERIDIAN, MS	BLCDT20090304ADW	439.6
No	WCNC-TV	D24	DT	LIC	CHARLOTTE, NC	BLANK0000147158	378.7
No	WNPX-LP	D24-	LD	CP	NASHVILLE, TN	BLANK0000160463	152.7
No	WNPX-LP	D24-	LD	APP	NASHVILLE, TN	BLANK0000179242	152.7
Yes	WETP-TV	D24	DT	LIC	SNEEDVILLE, TN	BLANK0000120200	238.9
No	WUWT-LD	D24	LD	LIC	UNION CITY, TN	BLANK0000113689	364.5

No	WVAH-TV	D24	DT	LIC	CHARLESTON, WV	BLANK0000167888	475.4
No	WCQT-LP	D25	LD	CP	CULLMAN, AL	BLANK0000149635	174.3
No	WATL	D25	DT	LIC	ATLANTA, GA	BLCDT20020716AAH	172.9
No	W25FP-D	D25	LD	LIC	YOUNG HARRIS, GA	BLANK0000136498	141.6
No	W25FP-D	D25	LD	CP	YOUNG HARRIS, GA	BLANK0000162659	147.2
No	WYHB-CD	D25	DC	LIC	CHATTANOOGA, TN	BLANK0000102891	10.3
No	WYHB-CD	D25	DC	CP	CHATTANOOGA, TN	BLANK0000127542	10.3
No	WJFB	D25	DT	LIC	LEBANON, TN	BLANK0000147261	182.9
No	WDLE-LP	D25+	LD	CP	PIGEON FORGE, TN	BLANK0000139392	168.8
No	WNAL-LD	N27-	TX	LIC	SCOTTSBORO, AL	BLTT20060126AEL	84.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D24
       Mask: Full Service
   Latitude:  35  7 45.20 N (NAD83)
  Longitude:  85 20  1.70 W
Height AMSL: 589.0 m
       HAAT: 0.0 m
   Peak ERP: 2.62 kW
    Antenna: SCA-PR-450CU (ID 23500) 140.0 deg
Elev Pattrn: Generic
  Elec Tilt: 1.00
```

49.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.004 kW	13.2 m	4.5 km
45.0	0.006	316.1	16.1
90.0	0.009	354.8	19.1
135.0	2.16	363.5	49.8
180.0	0.021	362.3	23.4
225.0	0.006	274.4	15.2
270.0	0.005	129.1	10.1
315.0	0.002	75.0	5.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 236 m

Distance to Canadian border: 763.5 km

Distance to Mexican border: 1503.2 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 158.2 degrees Distance: 151.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 293.5 degrees Distance: 1832.2 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 BDCCDTL20110616AAB ----

Proposal receives 30.76% interference from scenario 1
Proposal receives 31.15% interference from scenario 2
No IX check failures found.