

Study created: 2022.01.09 19:34:02

Study build station data: LMS TV 2021-12-10

Proposal: WCTD-LP D22 LD CP DUCKTOWN, TN  
File number: BDFCDTL20110829AAE  
Facility ID: 130854  
Station data: User record  
Record ID: 1601  
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WTTO	D21	DT	LIC	HOMEWOOD, AL	BLANK0000125337	256.4 km
No	WPBA	D21	DT	LIC	ATLANTA, GA	BLANK0000143418	95.7
No	WKSJ-LD	D21	LD	LIC	SUMMERVILLE/TRION, GA	BLDTL20100104AAD	85.4
No	W21DV-D	D21	LD	LIC	BRYSON CITY, NC	BLANK0000080638	122.3
No	W14CX-D	D21	LD	CP	KNOXVILLE, TN	BLANK0000051769	157.8
No	WFIQ	D22	DT	LIC	FLORENCE, AL	BLDTL20060718ACG	311.2
No	WCOV-TV	D22	DT	LIC	MONTGOMERY, AL	BLANK0000115937	337.2
No	WEEL-LD	D22	LD	CP	TUSCALOOSA, AL	BLANK0000074438	376.2
No	WSWH-LD	D22	LD	LIC	TUSCALOOSA, AL	BLANK0000074562	256.4
No	WTWC-TV	D22	DT	LIC	TALLAHASSEE, FL	BLANK0000118579	439.5
No	W22EC-D	D22	LD	CP	LA GRANGE, GA	BMPDTL20110721ABG	211.8
No	W22EJ-D	D22	LD	CP	MACON, GA	BMPDTL20130515ACS	220.8
Yes	WHSG-TV	D22	DT	LIC	MONROE, GA	BLANK0000081582	97.2
No	WJCL	D22	DT	LIC	SAVANNAH, GA	BLANK0000029019	401.1
No	WTVW	D22	DT	LIC	EVANSVILLE, IN	BLANK0000087257	463.0
No	W41BQ	D22-	LD	CP	ASHEVILLE, NC	BLANK0000052015	191.5
No	W22FB-D	D22	LD	LIC	MARION, NC	BLANK0000116530	245.7
No	WACH	D22	DT	LIC	COLUMBIA, SC	BLANK0000093772	336.7
No	WVEB-LD	D22	LD	LIC	FLORENCE, SC	BLANK0000083837	326.0
No	WCKV-LD	D22	LD	LIC	CLARKSVILLE, TN	BLANK0000112506	342.5
Yes	WCTE	D22	DT	LIC	COOKEVILLE, TN	BLDTL20110413ACS	193.5
No	WJTD-LP	D22z	LD	CP	JACKSON, TN	BLANK0000054279	417.0
No	WKPT-CD	D22	DC	LIC	KINGSPORT, TN	BLDTA20120420ACJ	267.1
No	DDWJZC-LP	N22+	TX	APP	SEVIERVILLE, TN	BLTTL19901017JE	159.1
No	WSAZ-TV	D22	DT	LIC	HUNTINGTON, WV	BLANK0000167829	473.6
No	W23DV-D	D23	LD	CP	ATHENS, GA	BMPDTL20140522AGK	166.1
No	W23EV-D	D23	LD	LIC	CARROLLTON, GA	BLANK0000125385	131.0
No	WKTG-CD	D23	DC	LIC	NORCROSS, GA	BLANK0000081811	79.8
No	WPGA-TV	D23	DT	LIC	PERRY, GA	BLANK0000116580	221.2

No	W23EY-D	D23	LD	LIC	CANTON, NC	BLANK0000087276	170.7
No	W23EZ-D	D23	LD	LIC	SYLVA, NC	BLANK0000080642	123.7
Yes	WFLI-TV	D23	DT	LIC	CLEVELAND, TN	BLANK0000093785	104.4
No	WTBS-LD	N26-	TX	LIC	ATLANTA, GA	BLTTL20000620AEP	95.6
No	W11DM-D	N30-	TX	LIC	COLLEGEDALE, TN	BLTTL19990802JH	77.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22  
 Mask: Simple  
 Latitude: 34 37 9.20 N (NAD83)  
 Longitude: 84 22 58.60 W  
 Height AMSL: 603.0 m  
 HAAT: 0.0 m  
 Peak ERP: 0.700 kW  
 Antenna: SAM-SAM-460 (ID 1002594) 290.0 deg  
 Elev Pattn: Generic

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	-15.5 m	1.7 km
45.0	0.000	16.5	1.7
90.0	0.000	-63.8	1.7
135.0	0.000	2.5	1.7
180.0	0.000	11.4	1.7
225.0	0.000	131.6	3.3
270.0	0.333	155.7	29.3
315.0	0.193	159.8	26.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 50 m

Distance to Canadian border: 798.4 km

Distance to Mexican border: 1537.7 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 200.5 degrees    Distance: 89.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 294.5 degrees    Distance: 1934.5 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 BDFCDTL20110829AAE ----

Proposal receives 9.24% interference from scenario 1

No IX check failures found.