

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Mobile31d4kwTUA300F, Model: Longley-Rice

Start: 2021.08.26 15:24:59

Study created: 2021.08.26 15:24:59

Study build station data: LMS TV 2021-08-26

Proposal: W31FB-D D31 LD APP Mobile, AL

Facility ID: 186343

Station data: User record

Record ID: 417

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	WWBH-LD	N27	TX	LIC	MOBILE, AL	BLTTTL19931029II	30.8 km
No	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	248.3
No	WEIQ	D30	DT	LIC	MOBILE, AL	BLANK0000111746	14.4
No	W30EL-D	D30	LD	CP	MONTGOMERY, AL	BLANK0000071793	228.2
No	W45DJ-D	D30	LD	CP	PANAMA CITY, FL	BLANK0000123144	202.1
No	W30CY-D	D30	LD	CP	PONCE DE LEON, FL	BNPDTL20090825AUT	178.3
No	W30EZ-D	D30	LD	CP	PURVIS, MS	BLANK0000150745	156.2
No	W30EZ-D	D30	LD	LIC	PURVIS, MS	BLANK0000157972	156.2
No	WAXC-LD	D31	LD	LIC	ALEXANDER CITY, AL	BLDTL20110329ABN	299.6
No	WSFG-LD	D31	LD	CP	BERRY, AL	BLANK0000029418	326.6
No	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	182.3
No	W31EP-D	D31	LD	CP	PANAMA CITY, FL	BLANK0000072005	222.2
No	WPCH-TV	D31	DT	LIC	ATLANTA, GA	BLANK0000152274	469.3
No	W31EU-D	D31	LD	CP	COLUMBUS, GA	BLANK0000071968	326.3
No	WSWG	D31	DT	LIC	VALDOSTA, GA	BLANK0000063722	424.4
No	WSWG	D31	DT	APP	VALDOSTA, GA	BLANK0000149841	424.4
No	KLAX-TV	D31	DT	LIC	ALEXANDRIA, LA	BLCDT20090622AGN	461.4
No	W48DW-D	D31	LD	LIC	BATON ROUGE, LA	BLANK0000157740	319.0

No	W48DW-D	D31	LD	CP	BATON ROUGE, LA	BLANK0000129698	319.0
No	KNOV-CD	D31	DC	LIC	NEW ORLEANS, LA	BLANK0000087428	236.1
No	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	194.4
No	WGBC	D31	DT	LIC	MERIDIAN, MS	BLCDT20071024AAK	194.4
No	WGUD-LD	D31	LD	CP	PASCAGOULA, MS	BLANK0000054757	80.3
No	WAAO-LD	D32	LD	LIC	ANDALUSIA, AL	BLANK0000155416	141.9
No	W32FJ-D	D32	LD	CP	MONTGOMERY, AL	BLANK0000073393	228.2
No	W32FM-D	D32	LD	CP	SELMA, AL	BLANK0000071950	199.6
No	WLOX	D32	DT	LIC	BILOXI, MS	BLANK0000059502	124.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31  
 Mask: Full Service  
 Latitude: 30 45 20.00 N (NAD83)  
 Longitude: 87 47 30.70 W  
 Height AMSL: 82.0 m  
 HAAT: 0.0 m  
 Peak ERP: 4.00 kW  
 Antenna: DIE-TUA (ID 120649) 300.0 deg  
 Elev Pattn: Generic

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.163 kW	20.0 m	11.0 km
45.0	0.016	29.0	6.3
90.0	0.010	39.7	6.3
135.0	0.011	43.7	6.8
180.0	0.021	37.0	7.3
225.0	0.016	49.6	7.9
270.0	1.95	67.7	28.9
315.0	3.29	51.3	28.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 42 m

Distance to Canadian border: 1296.9 km

Distance to Mexican border: 1038.7 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 39.0 degrees    Distance: 449.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 308.3 degrees    Distance: 1885.5 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%

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Interference to proposal scenario 1

72.34% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W31FB-D	D31	LD	APP	Mobile, AL		
Undesireds:	WEIQ	D30	DT	LIC	MOBILE, AL	BLANK0000111746	14.4 km
	W48DW-D	D31	LD	LIC	BATON ROUGE, LA	BLANK0000157740	319.0
	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	194.4

	Service area		Terrain-limited		IX-free		Percent IX
	765.0	39,178	765.0	39,178	387.7	10,835	49.31    72.34
Undesired				Total IX		Unique IX	Prcnt Unique IX
WEIQ D30 DT LIC			377.2	28,343	377.2	28,343	49.31    72.34

