

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Auburn6dlkwCL26at170T, Model: Longley-Rice

Start: 2021.08.13 12:46:31

Study created: 2021.08.13 12:46:31

Study build station data: LMS TV 2021-08-13

Proposal: W06DJ-D D6 LD APP AUBURN, MS

Facility ID: 186346

Station data: User record

Record ID: 364

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	W05BV-D	D5z	LD	LIC	STARKVILLE, MS	BLANK0000056412	91.9 km
No	WMC-TV	D5	DT	LIC	MEMPHIS, TN	BLCDT20090622ABL	152.0
Yes	WVUA	D6	DT	LIC	TUSCALOOSA, AL	BLCDT20090612AHT	189.6
No	WDDA-LP	N6z	TX	LIC	DALTON, GA	BLTVL20070122AAY	340.5
No	W06DG-D	D6	LD	CP	EVANSVILLE, IN	BNPDTL20090825AZX	414.3
No	WDHC-LD	D6	LD	LIC	LEBANON, KY	BLANK0000146037	276.5
No	WDHC-LD	D6	LD	CP	LEBANON, KY	BLANK0000150869	254.3
No	WJMF-LP	D6	LD	CP	JACKSON, MS	BLANK0000149983	265.7
No	WJMF-LP	N6	TX	LIC	JACKSON, MS	BLANK0000142611	265.7
No	WPGF-LP	N6+	TX	LIC	MEMPHIS, TN	BLANK0000093309	150.4
No	WPGF-LP	D6+	LD	CP	MEMPHIS, TN	BLANK0000150262	150.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D6  
Mask: Stringent  
Latitude: 34 16 29.00 N (NAD83)  
Longitude: 88 37 34.30 W  
Height AMSL: 122.0 m  
HAAT: 0.0 m  
Peak ERP: 1.00 kW  
Antenna: SCA-CL26 (ID 1003069) 170.0 deg  
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.002 kW	-3.4 m	5.7 km
45.0	0.000	7.2	2.7
90.0	0.000	19.6	4.2
135.0	0.311	19.9	20.0
180.0	0.884	26.4	25.0
225.0	0.040	36.8	13.1
270.0	0.000	27.8	2.7
315.0	0.000	27.2	4.2

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 20 m

Distance to Canadian border: 973.1 km

Distance to Mexican border: 1218.6 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 96.2 degrees    Distance: 362.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 298.7 degrees    Distance: 1603.5 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 BLCDT20090612AHT LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVUA	D6	DT	LIC	TUSCALOOSA, AL	BLCDT20090612AHT	
Undesireds:	W06DJ-D	D6	LD	APP	AUBURN, MS		189.6 km
	WBXM-CD	D5	DC	BL	MONTGOMERY, AL	DTVBL70412	131.5
	WJSP-TV	D5	DT	LIC	COLUMBUS, GA	BLANK0000068900	208.0
	WABW-TV	D6	DT	LIC	PELHAM, GA	BLANK0000016505	364.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
46516.8	2,210,076	44935.3	2,160,850	44320.6	2,129,749	44215.6 2,128,719	0.24 0.05
Undesired		Total IX		Unique IX, before		Unique IX, after	
W06DJ-D	D6 LD APP	105.0	1,030	105.0	1,030		
WBXM-CD	D5 DC BL	131.4	22,236	42.1	6,108	42.1	6,108
WJSP-TV	D5 DT LIC	21.9	115	4.0	11	4.0	11
WABW-TV	D6 DT LIC	568.6	24,982	461.3	8,750	461.3	8,750

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W06DJ-D	D6	LD	APP	AUBURN, MS		
Undesireds:	WVUA	D6	DT	LIC	TUSCALOOSA, AL	BLCDT20090612AHT	189.6 km
	WDHC-LD	D6	LD	LIC	LEBANON, KY	BLANK0000146037	276.5
	WJMF-LP	D6	LD	CP	JACKSON, MS	BLANK0000149983	265.7
	WPGF-LP	N6+	TX	LIC	MEMPHIS, TN	BLANK0000093309	150.4
Service area		Terrain-limited		IX-free		Percent IX	

510.4	23,081	509.4	23,081	507.4	23,044	0.39	0.16
Undesired			Total IX		Unique IX	Prct Unique IX	
WVUA D6 DT LIC		2.0	37	2.0	37	0.39	0.16