

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Purvis30d0.2kwincSam460at20fB1, Model: Longley-Rice
Start: 2022.07.28 05:07:10

Study created: 2022.07.28 05:07:09

Study build station data: LMS TV 2022-07-28

Proposal: W30EZ-D D30 LD LIC PURVIS, MS
Facility ID: 186322
Station data: User record
Record ID: 2268
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	DWSTY-LP	N23-	TX	APP	HAMMOND, LA	BLTTL19990104JE	97.3 km
No	WFBD	D29	DT	LIC	DESTIN, FL	BLANK00000131443	270.4
No	WFBD	D29	DD	APP	DESTIN, FL	BLANK00000182313	235.5
No	K29LR-D	D29	LD	LIC	BATON ROUGE, LA	BLANK00000103483	176.6
No	WVUE-DT	D29	DT	CP	NEW ORLEANS, LA	BLANK00000127677	111.5
No	WVUE-DT	D29	DT	LIC	NEW ORLEANS, LA	BLCDT20110502AEC	111.5
No	W29EY-D	D29	LD	LIC	COLUMBIA, MS	BLANK00000125050	48.9
No	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLANK00000191819	386.6
No	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK00000067031	401.7
No	WEIQ	D30	DT	LIC	MOBILE, AL	BLANK00000111746	160.9
No	W30EL-D	D30	LD	CP	MONTGOMERY, AL	BLANK00000194236	344.7
No	DW45DJ-D	D30	LD	APP	PANAMA CITY, FL	BLANK00000123144	369.2
No	W30CY-D	D30	LD	CP	PONCE DE LEON, FL	BNPDTL20090825AUT	346.2
No	K30QG-D	D30	LD	LIC	ALEXANDRIA, LA	BLANK00000086776	277.7
No	WLFT-CD	D30	DC	LIC	BATON ROUGE, LA	BLDTA20110912ACB	154.5
No	KFOL-CD	D30	DC	LIC	HOUMA, LA	BLANK00000189681	185.6
No	K30QV-D	D30	LD	LIC	IOWA, LA	BLANK00000194776	352.1
No	KXKW-LD	D30	LD	LIC	LAFAYETTE, LA	BLANK00000166791	238.5
No	W30ES-D	D30	LD	CP	COLUMBUS, MS	BLANK00000193228	311.2
No	WLBT	D30	DT	LIC	JACKSON, MS	BLCDT20100119AEE	166.0
No	WMC-TV	D30	DT	APP	MEMPHIS, TN	BLANK00000127522	475.8

No	W31EL-D	D31	LD	LIC	BATON ROUGE, LA	BLANK0000157740	158.5
No	KNOV-CD	D31	DC	LIC	NEW ORLEANS, LA	BLANK0000087428	116.1
No	W31FB-D	D31	LD	LIC	Eastabutchie, MS	BLANK0000158644	169.0
No	W31FB-D	D31	LD	CP	Eastabutchie, MS	BLANK0000186763	169.3
No	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	178.7
No	WGBC	D31	DT	LIC	MERIDIAN, MS	BLCDT20071024AAK	178.7
No	WGUD-LD	D31	LD	LIC	PASCAGOULA, MS	BLANK0000190566	108.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
 Mask: Full Service
 Latitude: 30 53 51.30 N (NAD83)
 Longitude: 89 33 16.00 W
 Height AMSL: 109.3 m (Adjusted based on actual ground elevation calculation)
 HAAT: 0.0 m
 Peak ERP: 0.200 kW
 Antenna: SAM-SAM-460 (ID 1004146) 20.0 deg
 Elev Pattnr: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.095 kW	5.7 m	9.7 km
45.0	0.055	21.9	8.5
90.0	0.000	24.2	3.0
135.0	0.000	39.8	3.0
180.0	0.000	33.4	3.0
225.0	0.000	50.5	1.5
270.0	0.000	41.5	3.0
315.0	0.000	33.4	3.0

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: 31 m

Distance to Canadian border: 1346.0 km

Distance to Mexican border: 904.1 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 52.7 degrees Distance: 560.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 310.2 degrees Distance: 1745.1 km

Study cell size: 1.00 km
Profile point spacing: 0.10 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

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30EZ-D	D30	LD	LIC	PURVIS, MS		
Undesireds:	WEIQ	D30	DT	LIC	MOBILE, AL	BLANK0000111746	160.9 km
	WLBT	D30	DT	LIC	JACKSON, MS	BLCDT20100119AEE	166.0

Service area		Terrain-limited		IX-free		Percent IX	
80.6	564	74.5	560	70.4	560	5.48	0.00

Undesired				Total IX		Unique IX		Prcnt Unique IX	
WEIQ	D30	DT	LIC	2.0	0	1.0	0	1.37	0.00
WLBT	D30	DT	LIC	3.1	0	2.0	0	2.74	0.00