

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Leaksville31d4kwDual120T, Model: Longley-Rice

Start: 2021.07.29 09:52:37

Study created: 2021.07.29 09:52:37

Study build station data: LMS TV 2021-07-29

Proposal: W31FB-D D31 LD APP Leaksville, MS

Facility ID: 186343

Station data: User record

Record ID: 120

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
Yes	WEIQ	D30	DT	LIC	MOBILE, AL	BLANK0000111746	84.2 km
No	WLBT	D30	DT	LIC	JACKSON, MS	BLCDT20100119AEE	208.7
No	W30EZ-D	D30	LD	CP	PURVIS, MS	BLANK0000150745	76.8
No	WAXC-LD	D31	LD	LIC	ALEXANDER CITY, AL	BLDTL20110329ABN	316.7
No	WSFG-LD	D31	LD	CP	BERRY, AL	BLANK0000029418	296.4
No	W31EB-D	D31	LD	CP	MIDLAND CITY, AL	BNPDTL20100510ALJ	288.9
No	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	201.3
No	W31EP-D	D31	LD	CP	PANAMA CITY, FL	BLANK0000072005	306.1
No	W31EU-D	D31	LD	CP	COLUMBUS, GA	BLANK0000071968	358.0
No	KLAX-TV	D31	DT	LIC	ALEXANDRIA, LA	BLCDT20090622AGN	381.5
No	W48DW-D	D31	LD	CP	BATON ROUGE, LA	BLANK0000129698	257.4
No	KAGN-CD	D31	DC	LIC	CROWLEY, LA	BLANK0000001651	376.4
No	KNOV-CD	D31	DC	LIC	NEW ORLEANS, LA	BLANK0000087428	197.1
No	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	130.8
No	WGBC	D31	DT	LIC	MERIDIAN, MS	BLCDT20071024AAK	130.8
No	WGUD-LD	D31	LD	CP	PASCAGOULA, MS	BLANK0000054757	78.7
No	WLMT	D31	DT	LIC	MEMPHIS, TN	BLCDT20050427ABN	471.6
No	WAAO-LD	D32	LD	CP	ANDALUSIA, AL	BLANK0000053714	199.8

No	W32FM-D	D32	LD	CP	SELMA, AL	BLANK0000071950	204.0
No	WQDT-LD	D32	LD	LIC	New Orleans, LA	BLANK0000099411	209.2
Yes	WLOX	D32	DT	LIC	BILOXI, MS	BLANK0000059502	70.0

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: Stringent  
Latitude: 31 9 24.00 N (NAD83)  
Longitude: 88 33 31.00 W  
Height AMSL: 46.0 m  
HAAT: 0.0 m  
Peak ERP: 4.00 kW  
Antenna: DIE-TUA-P2 (ID 1000747) 120.0 deg  
Elev Pattn: Generic

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.120 kW	2.0 m	10.2 km
45.0	0.013	-7.4	6.0
90.0	1.82	-4.1	20.2
135.0	3.18	-21.4	22.8
180.0	0.120	-0.9	10.2
225.0	0.013	7.2	6.0
270.0	1.82	-1.0	20.2
315.0	3.18	-3.1	22.8

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: -4 m

Distance to Canadian border: 1281.3 km

Distance to Mexican border: 998.7 km

Conditions at FCC monitoring station: Powder Springs GA  
 Bearing: 49.1 degrees      Distance: 468.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 308.2 degrees      Distance: 1800.5 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%

Interference to BLANK0000111746 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEIQ	D30	DT	LIC	MOBILE, AL	BLANK0000111746	
Undesireds:	W31FB-D	D31	LD	APP	Leaksville, MS		84.2 km
	WFBD	D29	DT	LIC	DESTIN, FL	BLANK0000131443	118.0
	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLCDT20021219AAV	330.2
	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	261.7
	WLBT	D30	DT	LIC	JACKSON, MS	BLCDT20100119AEE	292.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
19085.7	1,053,327	18955.5	1,052,336	18734.6	1,046,839	18719.3	1,046,705	0.08	0.01

Undesired		Total IX	Unique IX, before		Unique IX, after	
W31FB-D D31 LD APP	33.6	175			15.3	134
WFB D29 DT LIC	117.1	4,621	113.0	4,608	113.0	4,608
WIAT D30 DT LIC	13.2	155	3.1	15	3.1	15
WGIQ D30 DT LIC	4.0	13	0.0	0	0.0	0
WLBT D30 DT LIC	100.8	861	92.6	734	74.3	693

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Interference to BLANK0000059502 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance												
Desired:	WLOX	D32	DT	LIC	BILOXI, MS	BLANK0000059502													
Undesireds:	W31FB-D	D31	LD	APP	Leaksville, MS		70.0 km												
	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	182.3												
	WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	324.6												
	WPXL-TV	D33	DT	LIC	NEW ORLEANS, LA	BLANK0000105390	116.4												
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX											
29860.4		1,176,288		29803.7		1,161,352		29763.6		1,160,425		29731.0		1,159,149		0.11		0.11	
Undesired				Total IX		Unique IX, before		Unique IX, after											
W31FB-D	D31	LD	APP	32.6		1,276		32.6		1,276									
WABG-TV	D32	DT	LIC	2.0		56		2.0		56									
WPXL-TV	D33	DT	LIC	38.1		871		38.1		871									

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance								
Desired:	W31FB-D	D31	LD	APP	Leaksville, MS										
Undesireds:	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	130.8 km								
	WLOX	D32	DT	LIC	BILOXI, MS	BLANK0000059502	70.0								
Service area		Terrain-limited		IX-free		Percent IX									
846.1		8,732		826.7		8,634		775.8		8,489		6.16		1.68	
Undesired				Total IX		Unique IX		Prcnt Unique IX							
WGBC	D31	DT	CP	50.9		145		49.9		128		6.03		1.48	
WLOX	D32	DT	LIC	1.0		17		0.0		0		0.00		0.00	

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Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W31FB-D	D31	LD	APP	Leaksville, MS		
Undesireds:	WGBC	D31	DT	LIC	MERIDIAN, MS	BLCDT20071024AAK	130.8 km
	WLOX	D32	DT	LIC	BILOXI, MS	BLANK00000059502	70.0

	Service area		Terrain-limited		IX-free		Percent IX
	846.1		8,732		826.7		8,634
					782.9		8,492
							5.30
							1.64

  

Undesired				Total IX		Unique IX	Prcnt Unique IX
WGBC	D31	DT	LIC	43.8	142	42.8	125
							5.17
							1.45
WLOX	D32	DT	LIC	1.0	17	0.0	0
							0.00
							0.00