

tvstudy v2.2.2  
Database: localhost, Study: v1.45, Model: Longley-Rice  
Start: 2017.06.30 14:41:30

Study created: 2017.06.30 14:41:26

Study build station data: LMS TV 2017-06-28 (31)

Proposal: WJSP-TV D5 DT BL COLUMBUS, GA  
File number: DTVBL23918  
Facility ID: 23918  
Station data: User record  
Record ID: 1074  
Country: U.S.  
Zone: II

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WBXM-CD	D5	DC	BL	MONTGOMERY, AL	DTVBL70412	159.6 km
WTNB-CD	D5	DC	BL	CLEVELAND, TN	DTVBL49240	261.6
WVUA	D6	DT	LIC	TUSCALOOSA, AL	BLCDT20090612AHT	208.0
WABW-TV	D6	DT	LIC	PELHAM, GA	BLANK0000016505	198.9
WCES-TV	D6	DT	LIC	WRENS, GA	BLANK0000016506	229.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D5  
Latitude: 32 51 6.80 N (NAD83)  
Longitude: 84 42 5.50 W  
Height AMSL: 693.0 m  
HAAT: 431.5 m  
Peak ERP: 1.45 kW  
Antenna: Omnidirectional

28.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.45 kW	432.8 m	96.6 km
45.0	1.45	428.1	96.3
90.0	1.45	427.5	96.3
135.0	1.45	462.9	98.5
180.0	1.45	447.4	97.5
225.0	1.45	444.1	97.3
270.0	1.45	366.8	93.0
315.0	1.45	442.4	97.2

\*\*Proposal service area extends beyond baseline plus 1.0%  
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 996.9 km

Distance to Mexican border: 1407.2 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 358.9 degrees Distance: 112.3 km  
ERP: 1.45 kW Field strength: 32.3 dBu, 0.0 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 299.7 degrees Distance: 1997.9 km

Study cell size: 2.00 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 DTVBL70412 BL, scenario 1  
Proposal causes no interference.

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Interference to DTVBL49240 BL, scenario 1  
Proposal causes no interference.

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Interference to BLCDT20090612AHT LIC, scenario 1  
Proposal causes no interference.

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Interference to BLANK0000016505 LIC, scenario 1  
Proposal causes no interference.

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Interference to BLANK0000016506 LIC, scenario 1  
Proposal causes no interference.

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Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJSP-TV	D5	DT	BL	COLUMBUS, GA	DTVBL23918	
Undesireds:	WBXM-CD	D5	DC	BL	MONTGOMERY, AL	DTVBL70412	159.6 km
	WTNB-CD	D5	DC	BL	CLEVELAND, TN	DTVBL49240	261.6

Service area		Terrain-limited		IX-free		Percent IX	
29337.5	2,007,070	29149.3	1,995,635	29065.2	1,990,594	0.29	0.25
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WBXM-CD D5 DC BL		28.2	850	28.2	850	0.10	0.04
WTNB-CD D5 DC BL		56.0	4,191	56.0	4,191	0.19	0.21