

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: WPGF-LP RCAMSL 331 m #2810, Model: Longley-Rice  
Start: 2019.11.25 13:04:57

Study created: 2019.11.25 13:04:57

Study build station data: LMS TV 2019-11-19

Proposal: WPGF-LP N6+ TX APP MEMPHIS, TN  
File number: WPGF-LP RCAMSL 331 m  
Facility ID: 23848  
Station data: User record  
Record ID: 2795  
Country: U.S.

Build options:  
Protect pre-transition records not on baseline channel  
Protect baseline records from LPTV

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WMC-TV	D5	DT	LIC	MEMPHIS, TN	BLCDT20090622ABL	7.7 km
No	WVUA	D6	DT	LIC	TUSCALOOSA, AL	BLCDT20090612AHT	336.4
No	KWFT-LD	D6z	LD	LIC	FORT SMITH, AR	BLANK0000080417	399.0
No	NEW	D6	LD	CP	ROLLA, MO	BNPDVL20090825BJS	353.0
No	WJMF-LP	N6	TX	CP	JACKSON, MS	BLANK0000059862	320.6
No	WJMF-LP	N6	TX	LIC	JACKSON, MS	BLANK0000074801	320.6
No	WJMF-LP	N6	TX	LIC	JACKSON, MS	BLTVL20110314ADE	328.8
No	WRTN-LP	N6-	TX	CP	ALEXANDRIA, TN	BLANK0000007826	296.9
No	WRTN-LP	N6-	TX	LIC	ALEXANDRIA, TN	BLTVL20080530AAC	326.8

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:  
WOWW 1430 L DAN D GERMANTOWN, TN BL20040107ANH  
WOWW 1430 L DAN N GERMANTOWN, TN BL20040107ANH

Record parameters as studied:

Channel: N6+  
Latitude: 35 12 34.30 N (NAD83)  
Longitude: 89 49 1.40 W  
Height AMSL: 331.0 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic

62.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	244.9 m	32.9 km
45.0	3.00	244.6	32.9
90.0	3.00	219.7	31.2
135.0	3.00	233.9	32.2
180.0	3.00	238.4	32.5
225.0	3.00	247.4	33.1
270.0	3.00	242.4	32.8
315.0	3.00	247.9	33.1

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 240 m

Distance to Canadian border: 943.4 km

Distance to Mexican border: 1225.5 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 106.3 degrees Distance: 489.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 296.5 degrees Distance: 1458.9 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  
42.28% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPGF-LP	N6+	TX	APP	MEMPHIS, TN	WPGF-LP RCAMSL 331 m	
Undesireds:	WMC-TV	D5	DT	LIC	MEMPHIS, TN	BLCDT20090622ABL	7.7 km
	WJMF-LP	N6	TX	CP	JACKSON, MS	BLANK0000059862	320.6
	WRTN-LP	N6-	TX	CP	ALEXANDRIA, TN	BLANK0000007826	296.9
Service area		Terrain-limited		IX-free		Percent IX	
3332.9	1,070,070	3332.9	1,070,070	2596.1	617,600	22.11	42.28
Undesired		Total IX		Unique IX		Prct Unique IX	
WMC-TV	D5 DT LIC	736.8	452,470	736.8	452,470	22.11	42.28