

Study created: 2018.06.25 14:58:06

Study build station data: LMS TV 2018-06-24

Proposal: WNTV D8 DT APP GREENVILLE, SC  
File number: BLANK0000034598 Amendment  
Facility ID: 61010  
Station data: User record  
Record ID: 3273  
Country: U.S.  
Zone: II

Search options:  
Non-U.S. records included  
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WGTV	D7	DT	CP	ATHENS, GA	BLANK0000034195	203.1 km
Yes	WOLO-TV	D7	DT	CP	COLUMBIA, SC	BLANK0000027060	176.5
Yes	WKNX-TV	D7	DT	LIC	KNOXVILLE, TN	BLCDT20040810ABE	181.9
No	WKIN-CD	D7	DC	LIC	WEBER CY,VA-KPT,TN, VA	BLANK0000001494	177.0
Yes	WVAN-TV	D8	DT	CP	SAVANNAH, GA	BLANK0000025888	319.2
Yes	WVAN-TV	D8	DT	APP	SAVANNAH, GA	BLANK0000034200	319.2
No	WBNA	D8	DT	APP	LOUISVILLE, KY	BLANK0000035747	455.4
No	WBNA	D8	DT	LIC	LOUISVILLE, KY	BLCDT20021024AAB	455.4
Yes	WNCN	D8	DT	CP	GOLDSBORO, NC	BLANK0000034761	361.5
No	WGSC-CD	D8	DC	LIC	MURRELLS INLET, SC	BLANK0000053146	343.3
Yes	WDEF-TV	D8	DT	CP	CHATTANOOGA, TN	BLANK0000026651	266.0
Yes	WSWP-TV	D8	DT	CP	GRANDVIEW, WV	BLANK0000034625	352.2
Yes	WTVI	D9	DT	CP	CHARLOTTE, NC	BLANK0000028208	160.6
No	WTVG	D9	DT	LIC	CHATTANOOGA, TN	BLCDT20090914ABU	265.7
No	WTVG	D9	DT	APP	CHATTANOOGA, TN	BLANK0000035651	265.7
Yes	WJHL-TV	D9	DT	CP	JOHNSON CITY, TN	BLANK0000027557	167.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D8  
Latitude: 34 56 29.00 N (NAD83)  
Longitude: 82 24 37.00 W  
Height AMSL: 697.7 m  
HAAT: 390.0 m  
Peak ERP: 180 kW  
Antenna: Dielectric-THV-9A8/VP-R C160 SP (ID 1003856) 305.0 deg  
Elev Pattnr: Generic  
Elec Tilt: 0.50

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	164 kW	369.9 m	122.4 km
45.0	176	399.6	126.2
90.0	168	390.5	124.7
135.0	179	392.1	125.6
180.0	149	401.1	124.5
225.0	61.0	403.4	115.5
270.0	37.5	393.7	110.3
315.0	77.0	369.6	114.8

ERP exceeds maximum  
ERP: 180 kW ERP maximum: 95.0 kW

Distance to Canadian border: 748.6 km

Distance to Mexican border: 1707.7 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 241.2 degrees Distance: 243.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 292.8 degrees Distance: 2085.1 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%

\*\*MX with BLANK0000034200 APP scenario 1, 0.75% interference caused  
\*\*IX check failure to BLANK0000034761 CP scenario 1, 0.67% interference caused

---- Below is IX received by proposal BLANK0000034598 Amendm ----

Proposal receives 0.63% interference from scenario 1  
\*\*MX with BLANK0000034200 APP scenario 2, 0.76% interference received