

Study created: 2017.10.24 13:44:46

Study build station data: LMS TV 2017-10-23 (54)

Proposal: WNSC-TV D34 DT CP ROCK HILL, SC  
File number: BLANK0000025025  
Facility ID: 61009  
Station data: User record  
Record ID: 1961  
Country: U.S.  
Zone: II

Search options:  
Non-U.S. records included  
Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WRLK-TV	D33	DT	CP	COLUMBIA, SC	BLANK0000025032	80.5 km
WRLK-TV	D33	DT	BL	COLUMBIA, SC	DTVBL61013	80.5
WATC-DT	D34	DT	CP	ATLANTA, GA	BLANK0000025455	326.4
WATC-DT	D34	DT	BL	ATLANTA, GA	DTVBL13206	326.4
WITN-TV	D34	DT	CP	WASHINGTON, NC	BLANK0000025116	334.8
WVLT-TV	D34	DT	CP	KNOXVILLE, TN	BLANK0000025085	295.5
WVLT-TV	D34	DT	BL	KNOXVILLE, TN	DTVBL35908	295.5
WSLS-TV	D34	DT	CP	ROANOKE, VA	BLANK0000029619	273.8
WSLS-TV	D34	DT	BL	ROANOKE, VA	DTVBL57840	273.9
WFMY-TV	D35	DT	CP	GREENSBORO, NC	BLANK0000028086	156.6
WFMY-TV	D35	DT	BL	GREENSBORO, NC	DTVBL72064	156.6
WMYA-TV	D35	DT	CP	ANDERSON, SC	BLANK0000027765	116.3
WMYA-TV	D35	DT	BL	ANDERSON, SC	DTVBL56548	116.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D34  
Latitude: 34 50 23.30 N (NAD83)  
Longitude: 81 1 6.00 W  
Height AMSL: 384.5 m  
HAAT: 209.9 m  
Peak ERP: 1000 kW  
Antenna: TLP-H 285.0 deg  
Elev Pattn: Generic  
Elec Tilt: 0.5

40.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	734 kW	200.8 m	81.9 km
45.0	453	190.2	78.2
90.0	224	213.5	76.2
135.0	199	215.0	75.6
180.0	723	217.1	83.2
225.0	629	217.2	82.2
270.0	934	213.5	84.8
315.0	709	211.8	82.6

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

Distance to Canadian border: 769.3 km

Distance to Mexican border: 1811.7 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 253.3 degrees    Distance: 356.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 292.6 degrees    Distance: 2206.6 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%

\*\*IX check failure, 1.50% interference to BLANK0000025032 CP, scenario 1  
\*\*IX check failure, 1.50% interference to BLANK0000025032 CP, scenario 2  
\*\*IX check failure, 1.49% interference to BLANK0000025032 CP, scenario 3  
\*\*IX check failure, 1.49% interference to BLANK0000025032 CP, scenario 4  
\*\*IX check failure, 1.50% interference to BLANK0000025032 CP, scenario 5  
\*\*IX check failure, 1.50% interference to BLANK0000025032 CP, scenario 6  
\*\*IX check failure, 1.49% interference to BLANK0000025032 CP, scenario 7  
\*\*IX check failure, 1.49% interference to BLANK0000025032 CP, scenario 8  
\*\*IX check failure, 1.50% interference to BLANK0000025032 CP, scenario 9  
\*\*IX check failure, 1.50% interference to BLANK0000025032 CP, scenario 10  
\*\*IX check failure, 1.49% interference to BLANK0000025032 CP, scenario 11  
\*\*IX check failure, 1.49% interference to BLANK0000025032 CP, scenario 12  
\*\*IX check failure, 1.50% interference to BLANK0000025032 CP, scenario 13  
\*\*IX check failure, 1.50% interference to BLANK0000025032 CP, scenario 14  
\*\*IX check failure, 1.49% interference to BLANK0000025032 CP, scenario 15  
\*\*IX check failure, 1.49% interference to BLANK0000025032 CP, scenario 16  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 1  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 2  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 3  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 4  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 5  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 6  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 7  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 8  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 9  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 10  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 11  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 12  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 13  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 14  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 15  
\*\*IX check failure, 1.70% interference to DTVBL61013 BL, scenario 16  
Proposal receives 5.54% interference from scenario 1  
Proposal receives 5.54% interference from scenario 2  
Proposal receives 5.54% interference from scenario 3  
Proposal receives 5.54% interference from scenario 4  
Proposal receives 5.52% interference from scenario 5  
Proposal receives 5.52% interference from scenario 6  
Proposal receives 5.52% interference from scenario 7  
Proposal receives 5.52% interference from scenario 8  
Proposal receives 5.54% interference from scenario 9  
Proposal receives 5.54% interference from scenario 10  
Proposal receives 5.54% interference from scenario 11  
Proposal receives 5.54% interference from scenario 12  
Proposal receives 5.52% interference from scenario 13  
Proposal receives 5.52% interference from scenario 14  
Proposal receives 5.52% interference from scenario 15  
Proposal receives 5.52% interference from scenario 16  
Proposal receives 5.43% interference from scenario 17  
Proposal receives 5.43% interference from scenario 18

[illegible]