

tvstudy v2.2.2
Database: localhost, Study: wjwj-389 (484), Model: Longley-Rice
Start: 2017.05.24 15:08:28

Study created: 2017.05.24 15:08:22

Study build station data: LMS TV 2017-05-03 (22)

Proposal: WJWJ-TV D32 DT BL BEAUFORT, SC
File number: DTVBL61007
Facility ID: 61007
Station data: User record
Record ID: 451
Country: U.S.
Zone: II

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WKTC	D31	DT	BL	SUMTER, SC	DTVBL40902	156.3 km
WHLV-TV	D32	DT	BL	COCOA, FL	DTVBL24582	460.1
WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	454.8
WSB-TV	D32	DT	BL	ATLANTA, GA	DTVBL23960	361.5
WAXN-TV	D32	DT	BL	KANNAPOLIS, NC	DTVBL12793	283.4
WRPX-TV	D32	DT	BL	ROCKY MOUNT, NC	DTVBL20590	440.7
WMBF-TV	D32	DT	LIC	MYRTLE BEACH, SC	BLCDT20091105AAP	187.4
WKPT-TV	D32	DT	BL	KINGSPORT, TN	DTVBL27504	434.4
WRLK-TV	D33	DT	BL	COLUMBIA, SC	DTVBL61013	158.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32
Latitude: 32 42 42.50 N (NAD83)
Longitude: 80 40 53.80 W
Height AMSL: 370.6 m
HAAT: 366.1 m
Peak ERP: 389 kW
Antenna: TFU-16DSB-E (ID 70516) 0.0 deg

40.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	12.9 kW	365.3 m	72.0 km
45.0	15.1	366.7	73.1
90.0	11.5	366.5	71.4
135.0	53.7	366.6	81.5
180.0	301	369.4	94.2
225.0	343	367.3	95.1
270.0	61.3	367.5	82.5
315.0	10.3	359.2	70.2

Proposal service area is within baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1007.9 km

Distance to Mexican border: 1740.0 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 289.9 degrees Distance: 396.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 297.6 degrees Distance: 2335.2 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%

Interference to DTVBL40902 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL24582 BL, scenario 1
Proposal causes no interference.

Interference to BLEDT20030730ACW LIC, scenario 1
Proposal causes no interference.

Interference to DTVBL23960 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL12793 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL20590 BL, scenario 1
Proposal causes no interference.

Interference to BLCDT20091105AAP LIC, scenario 1
Proposal causes no interference.

Interference to DTVBL27504 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL61013 BL, scenario 1
Proposal causes no interference.

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJWJ-TV	D32	DT	BL	BEAUFORT, SC	DTVBL61007	
Undesireds:	WKTC	D31	DT	BL	SUMTER, SC	DTVBL40902	156.3 km
	WSB-TV	D32	DT	BL	ATLANTA, GA	DTVBL23960	361.5
	WAXN-TV	D32	DT	BL	KANNAPOLIS, NC	DTVBL12793	283.4
	WMBF-TV	D32	DT	LIC	MYRTLE BEACH, SC	BLCDT20091105AAP	187.4
	WRLK-TV	D33	DT	BL	COLUMBIA, SC	DTVBL61013	158.1

Service area		Terrain-limited		IX-free		Percent IX	
20342.7	1,034,894	20342.7	1,034,894	20342.7	1,034,894	0.00	0.00