

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: newbern30d8kwinceltiat170ff, Model: Longley-Rice

Start: 2021.09.17 14:53:04

Study created: 2021.09.17 14:53:04

Study build station data: LMS TV 2021-09-17

Proposal: W27DP-D D30 LD CP NEW BERN, NC

Facility ID: 184531

Station data: User record

Record ID: 1106

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	DW22CJ	N22-	TX	APP	JACKSONVILLE, NC	BLTT19990629JD	48.5 km
No	WUND-TV	D29	DT	LIC	EDENTON, NC	BLANK0000132286	114.6
No	WNCB-LD	D29	LD	LIC	FAYETTEVILLE, NC	BLANK0000107110	181.3
No	WSFX-TV	D29	DT	LIC	WILMINGTON, NC	BLANK0000111706	147.0
No	WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLANK0000158591	273.6
No	WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLCDT20050624ABB	273.6
No	WAXN-TV	D30	LD	LIC	KANNAPOLIS, NC	BLANK0000119096	336.3
No	WUNU	D30	DT	LIC	LUMBERTON, NC	BLANK0000114990	188.8
No	W30DN-D	D30	LD	LIC	MANTEO, NC	BLDTL20150311AAK	154.0
No	WHIG-CD	D30	DC	CP	ROCKY MOUNT, NC	BLANK0000028657	122.0
No	W30ER-D	D30	LD	CP	WILMINGTON, NC	BNPDTL20090825BVJ	136.8
No	WLOW-LD	D30	LD	CP	Charleston, SC	BLANK0000157610	365.6
No	W30DH-D	D30	LD	CP	FLORENCE, SC	BNPDTL20100409ABY	275.8
No	WVIR-TV	D30	LD	APP	CHARLOTTESVILLE, VA	BLANK0000130293	377.6
No	WFWG-LD	D30	LD	LIC	RICHMOND, VA	BLANK0000080886	283.2
No	WDBJ	D30	DT	LIC	ROANOKE, VA	BLANK0000094109	373.7
No	WGHP	D31	DT	LIC	HIGH POINT, NC	BLANK0000158670	273.2
No	WGHP	D31	DT	LIC	HIGH POINT, NC	BLANK0000116302	273.2

Yes	WFEJ-LD	D31	LD	CP	NEW BERN, NC	BLANK0000071949	35.0
No	WHIG-CD	D31	DC	LIC	ROCKY MOUNT, NC	BLDTL20100217AAK	122.0
No	W31DR-D	D31	LD	CP	WILMINGTON, NC	BNPDTL20100422AAO	120.6
No	WHRO-TV	D31	DT	LIC	HAMPTON-NORFOLK, VA	BLANK0000120642	204.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
Mask: Full Service
Latitude: 35 0 45.00 N (NAD83)
Longitude: 76 59 24.00 W
Height AMSL: 20.8 m
HAAT: 0.0 m
Peak ERP: 8.00 kW
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 170.0 deg
Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.009 kW	18.7 m	5.4 km
45.0	0.043	18.1	7.9
90.0	0.054	17.8	8.4
135.0	3.06	14.9	22.7
180.0	7.30	12.0	26.7
225.0	0.718	11.7	15.9
270.0	0.022	12.2	6.8
315.0	0.043	16.6	7.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 15 m

Distance to Canadian border: 862.9 km

Distance to Mexican border: 2151.5 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 1.8 degrees Distance: 461.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 291.3 degrees Distance: 2540.1 km

Study cell size: 1.00 km
Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000071949 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFEJ-LD	D31	LD	CP	NEW BERN, NC	BLANK0000071949	
Undesireds:	W27DP-D	D30	LD	CP	NEW BERN, NC		35.0 km
	WGHP	D31	DT	LIC	HIGH POINT, NC	BLANK0000158670	300.7
	W31EM-D	D31	LD	LIC	MYRTLE BEACH, SC	BLANK0000118241	242.7
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
4836.5	120,586	4836.5		120,586	4836.5	120,507	0.02 0.07
Undesired				Total IX	Unique IX, before	Unique IX, after	
W27DP-D D30 LD CP	1.0			79	1.0	79	

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W27DP-D	D30	LD	CP	NEW BERN, NC		

Undesireds: WFEJ-LD D31 LD CP NEW BERN, NC BLANK0000071949 35.0 km

Service area		Terrain-limited		IX-free		Percent IX	
686.4	39,358	686.4	39,358	685.4	39,104	0.15	0.65

Undesired		Total IX		Unique IX		Prcnt Unique IX	
WFEJ-LD D31 LD CP	1.0	254	1.0	254	0.15	0.65	