

tvstudy v2.2.2

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

Start: 2017.07.03 09:14:42

Study created: 2017.07.03 09:14:37

Study build station data: LMS TV 2017-06-28 (31)

Proposal: WNCT-TV D12 DT BL GREENVILLE, NC

File number: DTVBL57838

Facility ID: 57838

Station data: User record

Record ID: 1118

Country: U.S.

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WHMC	D11	DT	CP	CONWAY, SC	BLANK0000025029	222.2 km
WHMC	D11	DT	BL	CONWAY, SC	DTVBL61004	222.2
WVEC	D11	DT	BL	HAMPTON, VA	DTVBL74167	181.4
WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	462.4
WBAL-TV	D12	DT	CP	BALTIMORE, MD	BLANK0000024625	446.0
WBAL-TV	D12	DT	BL	BALTIMORE, MD	DTVBL65696	446.0
WVPT	D12	DD	BL	STAUNTON, VA	DTVBL60111	355.1
WSKY-TV	D13	DT	BL	MANTEO, NC	DTVBL76324	161.5
WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	208.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D12

Latitude: 35 21 55.90 N (NAD83)

Longitude: 77 23 34.60 W

Height AMSL: 585.2 m

HAAT: 573.6 m

Peak ERP: 35.2 kW

Antenna: Omnidirectional

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	35.2 kW	568.9 m	122.3 km
45.0	35.2	574.4	122.7
90.0	35.2	577.9	123.0
135.0	35.2	579.4	123.1
180.0	35.2	571.2	122.5
225.0	35.2	577.2	122.9
270.0	35.2	570.1	122.4
315.0	35.2	570.0	122.4

Proposal service area is within baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 814.9 km

Distance to Mexican border: 2133.3 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 6.7 degrees Distance: 425.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 290.6 degrees Distance: 2491.8 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 BLANK0000025029 CP, scenario 1
Proposal causes no interference.

Interference to DTVBL61004 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL74167 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL74167 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL74167 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL74167 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL74167 BL, scenario 5
Proposal causes no interference.

Interference to DTVBL74167 BL, scenario 6
Proposal causes no interference.

Interference to DTVBL74167 BL, scenario 7
Proposal causes no interference.

Interference to DTVBL74167 BL, scenario 8
Proposal causes no interference.

Interference to BLCDT20090227ABQ LIC, scenario 1
Proposal causes no interference.

Interference to BLCDT20090227ABQ LIC, scenario 2
Proposal causes no interference.

Interference to BLANK0000024625 CP, scenario 1
Proposal causes no interference.

Interference to BLANK0000024625 CP, scenario 2

Proposal causes no interference.

Interference to BLANK0000024625 CP, scenario 3

Proposal causes no interference.

Interference to BLANK0000024625 CP, scenario 4

Proposal causes no interference.

Interference to DTVBL65696 BL, scenario 1

Proposal causes no interference.

Interference to DTVBL65696 BL, scenario 2

Proposal causes no interference.

Interference to DTVBL65696 BL, scenario 3

Proposal causes no interference.

Interference to DTVBL65696 BL, scenario 4

Proposal causes no interference.

Interference to DTVBL60111 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVPT	D12	DD	BL	STAUNTON, VA	DTVBL60111	
Undesireds:	WNCT-TV	D12	DT	BL	GREENVILLE, NC	DTVBL57838	355.0 km
	WNCT-TV	D12	DT	BL	GREENVILLE, NC	DTVBL57838	355.1
	WVNS-TV	D11	DT	BL	LEWISBURG, WV	DTVBL74169	129.6
	WYMT-TV	D12	DT	LIC	HAZARD, KY	BLCDT20040109ACY	356.9
	WBAL-TV	D12	DT	CP	BALTIMORE, MD	BLANK0000024625	264.9
	WBOY-TV	D12	DT	LIC	CLARKSBURG, WV	BLANK0000003150	152.5
	WVFX	D13	DT	BL	CLARKSBURG, WV	DTVBL10976	154.6
	WVPX-TV	D13	DT	BL	MARTINSBURG, WV	DTVBL23264	179.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX					
27131.5	930,909	23378.4	809,257	22506.1	789,657	22498.1	788,319	0.04	0.17

Undesired	Total IX	Unique IX, before	Unique IX, after			
WNCT-TV D12 DT BL	414.8	12,400	283.3	8,800		
WNCT-TV D12 DT BL	422.8	13,738	291.3	10,138		
WVNS-TV D11 DT BL	4.0	0	4.0	0		
WYMT-TV D12 DT LIC	11.9	3	4.0	0		
WBAL-TV D12 DT CP	405.1	8,432	341.4	6,744	341.4	6,744
WBOY-TV D12 DT LIC	196.0	2,925	100.3	453	100.3	453

Interference to DTVBL60111 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVPT	D12	DD	BL	STAUNTON, VA	DTVBL60111	
Undesireds:	WNCT-TV	D12	DT	BL	GREENVILLE, NC	DTVBL57838	355.0 km
	WNCT-TV	D12	DT	BL	GREENVILLE, NC	DTVBL57838	355.1
	WVNS-TV	D11	DT	BL	LEWISBURG, WV	DTVBL74169	129.6
	WYMT-TV	D12	DT	LIC	HAZARD, KY	BLCDT20040109ACY	356.9
	WBAL-TV	D12	DT	BL	BALTIMORE, MD	DTVBL65696	264.9
	WBOY-TV	D12	DT	LIC	CLARKSBURG, WV	BLANK0000003150	152.5
	WVFX	D13	DT	BL	CLARKSBURG, WV	DTVBL10976	154.6

WWPX-TV	D13	DT	BL	MARTINSBURG, WV	DTVBL23264	179.9		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
27131.5	930,909	23378.4	809,257	22506.0	789,732	22498.1	788,394	0.04 0.17
Undesired		Total IX		Unique IX, before		Unique IX, after		
WNCT-TV	D12 DT BL	414.8	12,400	287.2	8,927			
WNCT-TV	D12 DT BL	422.8	13,738			295.2	10,265	
WVNS-TV	D11 DT BL	4.0	0	4.0	0	4.0	0	
WYMT-TV	D12 DT LIC	11.9	3	4.0	0	4.0	0	
WBAL-TV	D12 DT BL	401.1	8,230	341.4	6,669	341.4	6,669	
WBOY-TV	D12 DT LIC	196.0	2,925	100.3	453	100.3	453	

Interference to DTVBL76324 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSKY-TV	D13	DT	BL	MANTEO, NC	DTVBL76324	
Undesireds:	WNCT-TV	D12	DT	BL	GREENVILLE, NC	DTVBL57838	161.6 km
	WNCT-TV	D12	DT	BL	GREENVILLE, NC	DTVBL57838	161.5
	WHYY-TV	D13	DT	BL	WILMINGTON, DE	DTVBL72338	402.2
	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	363.2
	WWPX-TV	D13	DT	BL	MARTINSBURG, WV	DTVBL23264	361.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
37173.6	1,934,585	37141.6	1,934,519	36916.4	1,930,660	36916.4	1,930,783	-0.00 -0.01
Undesired		Total IX		Unique IX, before		Unique IX, after		
WNCT-TV	D12 DT BL	221.2	3,859	213.2	3,736			
WNCT-TV	D12 DT BL	221.2	3,736			213.2	3,613	
WBTW	D13 DT LIC	12.0	123	4.0	0	4.0	0	

Interference to BLCDT20090612AIR LIC, scenario 1

Proposal causes no interference.

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNCT-TV	D12	DT	BL	GREENVILLE, NC	DTVBL57838	
Undesireds:	WHMC	D11	DT	CP	CONWAY, SC	BLANK0000025029	222.2 km
	WVEC	D11	DT	BL	HAMPTON, VA	DTVBL74167	181.4
	WVPT	D12	DD	BL	STAUNTON, VA	DTVBL60111	355.1
	WSKY-TV	D13	DT	BL	MANTEO, NC	DTVBL76324	161.5
	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	208.0

Service area		Terrain-limited		IX-free		Percent IX	
47226.5	1,935,414	47037.8	1,887,929	46661.9	1,881,624	0.80	0.33
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WVPT	D12 DD BL	8.0	0	8.0	0	0.02	0.00
WSKY-TV	D13 DT BL	367.9	6,305	367.9	6,305	0.78	0.33

Interference to proposal, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNCT-TV	D12	DT	BL	GREENVILLE, NC	DTVBL57838	
Undesireds:	WHMC	D11	DT	BL	CONWAY, SC	DTVBL61004	222.2 km
	WVEC	D11	DT	BL	HAMPTON, VA	DTVBL74167	181.4
	WVPT	D12	DD	BL	STAUNTON, VA	DTVBL60111	355.1

WSKY-TV	D13	DT	BL	MANTEO, NC	DTVBL76324	161.5
WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	208.0

Service area		Terrain-limited		IX-free		Percent IX
47226.5	1,935,414	47037.8	1,887,929	46661.9	1,881,624	0.80 0.33

Undesired		Total IX		Unique IX		Prcnt Unique IX
WVPT D12 DD BL	8.0	0	8.0	0	0.02	0.00
WSKY-TV D13 DT BL	367.9	6,305	367.9	6,305	0.78	0.33

Interference to proposal, scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNCT-TV	D12	DT	BL	GREENVILLE, NC	DTVBL57838	
Undesireds:	WHMC	D11	DT	CP	CONWAY, SC	BLANK0000025029	222.2 km
	WVEC	D11	DT	BL	HAMPTON, VA	DTVBL74167	181.4
	WVPT	D12	DD	BL	STAUNTON, VA	DTVBL60111	355.1
	WSKY-TV	D13	DT	BL	MANTEO, NC	DTVBL76324	161.5
	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	208.0

Service area		Terrain-limited		IX-free		Percent IX
47226.5	1,935,414	47037.8	1,887,929	46661.9	1,881,624	0.80 0.33

Undesired		Total IX		Unique IX		Prcnt Unique IX
WVPT D12 DD BL	8.0	0	8.0	0	0.02	0.00
WSKY-TV D13 DT BL	367.9	6,305	367.9	6,305	0.78	0.33

Interference to proposal, scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNCT-TV	D12	DT	BL	GREENVILLE, NC	DTVBL57838	
Undesireds:	WHMC	D11	DT	BL	CONWAY, SC	DTVBL61004	222.2 km
	WVEC	D11	DT	BL	HAMPTON, VA	DTVBL74167	181.4
	WVPT	D12	DD	BL	STAUNTON, VA	DTVBL60111	355.1
	WSKY-TV	D13	DT	BL	MANTEO, NC	DTVBL76324	161.5
	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	208.0

Service area		Terrain-limited		IX-free		Percent IX
47226.5	1,935,414	47037.8	1,887,929	46661.9	1,881,624	0.80 0.33

Undesired		Total IX		Unique IX		Prcnt Unique IX
WVPT D12 DD BL	8.0	0	8.0	0	0.02	0.00
WSKY-TV D13 DT BL	367.9	6,305	367.9	6,305	0.78	0.33