

tvstudy v2.2.2

Database: localhost, Study: WHMC30, Model: Longley-Rice

Start: 2017.05.25 07:46:20

Study created: 2017.05.25 07:46:14

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

Proposal: WHMC D11 DT BL CONWAY, SC

File number: DTVBL61004

Facility ID: 61004

Station data: User record

Record ID: 461

Country: U.S.

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WCTI-TV	D10	DT	BL	NEW BERN, NC	DTVBL18334	206.9 km
WIS	D10	DT	LIC	COLUMBIA, SC	BLCDT20090624ABZ	153.0
WTOC-TV	D11	DT	LIC	SAVANNAH, GA	BLCDT20090622ABP	296.7
WSPA-TV	D11	DT	BL	SPARTANBURG, SC	DTVBL66391	321.3
WVEC	D11	DT	BL	HAMPTON, VA	DTVBL74167	398.4
WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	260.0
WNCT-TV	D12	DT	BL	GREENVILLE, NC	DTVBL57838	222.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D11

Latitude: 33 56 59.00 N (NAD83)

Longitude: 79 6 30.00 W

Height AMSL: 265.1 m

HAAT: 245.8 m

Peak ERP: 30.0 kW

Antenna: Omnidirectional

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	30.0 kW	239.3 m	98.0 km
45.0	30.0	234.6	97.6
90.0	30.0	246.3	98.5
135.0	30.0	255.2	99.0
180.0	30.0	252.2	98.9
225.0	30.0	247.4	98.6
270.0	30.0	249.6	98.7
315.0	30.0	241.8	98.2

Proposal service area is within baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 905.9 km

Distance to Mexican border: 1927.0 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 270.5 degrees Distance: 518.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 294.2 degrees Distance: 2406.6 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%

Interference to DTVBL18334 BL, scenario 1

Proposal causes no interference.

Interference to BLCDT20090624ABZ LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WIS	D10	DT	LIC	COLUMBIA, SC	BLCDT20090624ABZ			
Undesireds:	WHMC	D11	DT	BL	CONWAY, SC	DTVBL61004	153.0 km		
	WHMC	D11	DT	BL	CONWAY, SC	DTVBL61004	153.0		
	WTVI	D9	DT	BL	CHARLOTTE, NC	DTVBL10645	129.3		
	WITV	D9	DT	BL	CHARLESTON, SC	DTVBL61005	165.5		
	WXIA-TV	D10	DT	LIC	ATLANTA, GA	BLCDT20040302AAO	332.2		
	WCTI-TV	D10	DT	BL	NEW BERN, NC	DTVBL18334	331.2		
	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	357.1		
	WSPA-TV	D11	DT	BL	SPARTANBURG, SC	DTVBL66391	182.1		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
46461.5	2,644,715	45467.2	2,600,887	43391.7	2,324,181	43371.7	2,323,916	0.05	0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
WHMC D11 DT BL	376.7	4,521	372.7	4,310		
WHMC D11 DT BL	396.7	4,786			392.7	4,575
WTVI D9 DT BL	375.6	234,211	355.9	233,301	355.9	233,301
WITV D9 DT BL	247.2	8,727	247.2	8,727	247.2	8,727
WXIA-TV D10 DT LIC	575.8	18,019	484.4	16,079	484.4	16,079
WCTI-TV D10 DT BL	202.4	4,060	178.6	2,939	178.6	2,939
WBIR-TV D10 DT LIC	4.0	5	0.0	0	0.0	0
WSPA-TV D11 DT BL	413.0	10,229	317.6	8,284	317.6	8,284

Interference to BLCDT20090622ABP LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WTOC-TV	D11	DT	LIC	SAVANNAH, GA	BLCDT20090622ABP			
Undesireds:	WHMC	D11	DT	BL	CONWAY, SC	DTVBL61004	296.7 km		
	WHMC	D11	DT	BL	CONWAY, SC	DTVBL61004	296.7		
	WJXX	D10	DT	LIC	ORANGE PARK, FL	BLCDT20090702AAK	198.9		
	WESH	D11	DT	LIC	DAYTONA BEACH, FL	BMLCDT20040930AXX	383.8		
	WKCF-CD	D11	DC	BL	JACKSONVILLE, FL	DTVBL4754	198.1		
	WTVM	D11	DT	LIC	COLUMBUS, GA	BLCDT20131113BGN	325.0		
	WSPA-TV	D11	DT	BL	SPARTANBURG, SC	DTVBL66391	357.1		
	WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	157.6		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
38524.2	993,098	38427.7	992,658	38050.3	988,102	38054.4	988,131	-0.01	-0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WHMC D11 DT BL	56.1	392	44.1	358		
WHMC D11 DT BL	52.1	363			40.1	329
WTVM D11 DT LIC	181.1	2,701	129.0	2,441	129.0	2,441
WSPA-TV D11 DT BL	88.2	381	20.1	94	20.1	94
WRDW-TV D12 DT LIC	144.1	1,528	116.1	1,376	116.1	1,376

Interference to DTVBL66391 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WSPA-TV	D11	DT	BL	SPARTANBURG, SC	DTVBL66391			
Undesireds:	WHMC	D11	DT	BL	CONWAY, SC	DTVBL61004	321.3 km		
	WHMC	D11	DT	BL	CONWAY, SC	DTVBL61004	321.3		
	WIS	D10	DT	LIC	COLUMBIA, SC	BLCDT20090624ABZ	182.1		
	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	175.6		
	WTZT-CD	D11	DC	APP	ATHENS, AL	BPDVA20130508AIV	389.4		
	WTVM	D11	DT	LIC	COLUMBUS, GA	BLCDT20131113BGN	392.0		
	WTOC-TV	D11	DT	LIC	SAVANNAH, GA	BLCDT20090622ABP	357.1		
	WOPI-CD	D11	DC	BL	BRISTOL,VA/KINGSPORT, TN	DTVBL27490	140.9		
	WETV-CD	D11+	DC	LIC	MURFREESBORO, TN	BLANK0000004987	378.4		
	WVNS-TV	D11	DT	BL	LEWISBURG, WV	DTVBL74169	322.1		
	WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	199.9		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
47798.6	3,393,282	43559.9	3,231,883	43383.6	3,221,278	43387.6	3,221,688	-0.01	-0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
WHMC D11 DT BL	80.1	9,437	68.2	9,344		
WHMC D11 DT BL	76.1	9,027			64.1	8,934
WIS D10 DT LIC	15.9	101	0.0	0	0.0	0
WBIR-TV D10 DT LIC	20.1	0	16.1	0	16.1	0
WTVM D11 DT LIC	23.9	507	15.9	495	15.9	495
WTOC-TV D11 DT LIC	24.0	106	8.0	0	8.0	0
WOPI-CD D11 DC BL	44.1	653	40.1	653	40.1	653

Interference to DTVBL66391 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WSPA-TV	D11	DT	BL	SPARTANBURG, SC	DTVBL66391			
Undesireds:	WHMC	D11	DT	BL	CONWAY, SC	DTVBL61004	321.3 km		
	WHMC	D11	DT	BL	CONWAY, SC	DTVBL61004	321.3		
	WIS	D10	DT	LIC	COLUMBIA, SC	BLCDT20090624ABZ	182.1		
	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	175.6		
	WTZT-CD	D11	DC	LIC	ATHENS, AL	BLDVA20120221ABI	406.8		
	WTVM	D11	DT	LIC	COLUMBUS, GA	BLCDT20131113BGN	392.0		
	WTOC-TV	D11	DT	LIC	SAVANNAH, GA	BLCDT20090622ABP	357.1		
	WOPI-CD	D11	DC	BL	BRISTOL,VA/KINGSPORT, TN	DTVBL27490	140.9		
	WETV-CD	D11+	DC	LIC	MURFREESBORO, TN	BLANK0000004987	378.4		
	WVNS-TV	D11	DT	BL	LEWISBURG, WV	DTVBL74169	322.1		
	WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	199.9		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
47798.6	3,393,282	43559.9	3,231,883	43383.6	3,221,278	43387.6	3,221,688	-0.01	-0.01

Undesired	Total IX		Unique IX, before		Unique IX, after	
WHMC D11 DT BL	80.1	9,437	68.2	9,344		
WHMC D11 DT BL	76.1	9,027			64.1	8,934
WIS D10 DT LIC	15.9	101	0.0	0	0.0	0
WBIR-TV D10 DT LIC	20.1	0	16.1	0	16.1	0
WTVM D11 DT LIC	23.9	507	15.9	495	15.9	495
WTOC-TV D11 DT LIC	24.0	106	8.0	0	8.0	0
WOPI-CD D11 DC BL	44.1	653	40.1	653	40.1	653

Interference to DTVBL74167 BL, scenario 1

Proposal causes no interference.

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

Interference to DTVBL57838 BL, scenario 1
Proposal causes no interference.

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WHMC	D11	DT	BL	CONWAY, SC	DTVBL61004	
Undesireds:	WIS	D10	DT	LIC	COLUMBIA, SC	BLCDT20090624ABZ	153.0 km
	WTOC-TV	D11	DT	LIC	SAVANNAH, GA	BLCDT20090622ABP	296.7
	WSPA-TV	D11	DT	BL	SPARTANBURG, SC	DTVBL66391	321.3
	WOPI-CD	D11	DC	BL	BRISTOL,VA/KINGSPORT, TN	DTVBL27490	389.6

Service area		Terrain-limited		IX-free		Percent IX	
30441.7	957,560	30374.1	957,144	30230.1	956,056	0.47	0.11

Undesired	Total IX		Unique IX		Prct Unique IX	
WIS D10 DT LIC	28.0	103	16.0	103	0.05	0.01
WTOC-TV D11 DT LIC	92.0	568	92.0	568	0.30	0.06
WSPA-TV D11 DT BL	36.0	417	24.0	417	0.08	0.04