

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: WDHC AT WPRT at 535 ft, Model: Longley-Rice  
Start: 2022.02.16 17:22:20

Study last edited: 2022.02.16 17:22:16

Proposal: WDHC-LD D6 LD CP Dickson, TN  
File number: WDHC AT WPRT at 535 ft  
Facility ID: 70498  
Station data: User record  
Record ID: 80  
Country: U.S.

Proposal "before": (none)

Study has been edited. Stations studied for impact of proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WTVF	D5	LD	LIC	NASHVILLE, TN	BLCDT20120910AAA	46.5 km
WVUA	D6	DT	LIC	TUSCALOOSA, AL	BLCDT20090612AHT	315.6
W06DG-D	D6	LD	CP	EVANSVILLE, IN	BNPDTL20090825AZX	173.2

Record parameters as studied:

Channel: D6  
Mask: Stringent  
Latitude: 36 17 36.20 N (NAD83)  
Longitude: 87 18 20.00 W  
Height AMSL: 386.0 m  
HAAT: 204.7 m  
Peak ERP: 3.00 kW  
Antenna: 0.0 deg  
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.00 kW	235.4 m	62.6 km
45.0	3.00	231.6	62.4
90.0	3.00	226.5	62.0
135.0	3.00	211.3	60.9
180.0	1.62	178.5	53.9
225.0	3.00	166.3	57.4
270.0	3.00	187.4	59.1
315.0	3.00	200.3	60.0

Distance to Canadian border: 718.7 km

Distance to Mexican border: 1465.4 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 138.3 degrees Distance: 358.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 290.6 degrees Distance: 1618.7 km

Study cell size: 0.50 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%

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Interference to BLCDT20120910AAA LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	WTVF	D5	LD	LIC	NASHVILLE, TN	BLCDT20120910AAA			
Undesireds:	WDHC-LD	D6	LD	CP	Dickson, TN	WDHC AT WPRT at 535 ft	46.5 km		
	WTNB-CD	D5	DC	LIC	CLEVELAND, TN	BLANK0000081975	179.9		
	WMC-TV	D5	DT	LIC	MEMPHIS, TN	BLCDT20090622ABL	305.0		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
17310.9		1,837,854		16919.3		1,824,017	16916.1		
						1,823,847	16562.7		
						1,799,777	1,799,777		
							2.09		
							1.32		
Undesired	Service area			Terrain-limited		IX-free, before			
WDHC-LD D6 LD CP	355.1			24,070		Unique IX, before			
WMC-TV D5 DT LIC	3.2			170		Unique IX, after			
						353.4	24,070		
						1.5	170		

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Interference to BLCDT20090612AHT LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVUA	D6	DT	LIC	TUSCALOOSA, AL	BLCDT20090612AHT	

Undesireds:	WDHC-LD	D6	LD	CP	Dickson, TN	WDHC AT WPRT at 535 ft	315.6 km
	WBXM-CD	D5	DC	BL	MONTGOMERY, AL	DTVBL70412	131.5
	WJSP-TV	D5	DT	LIC	COLUMBUS, GA	BLANK0000157770	208.0
	WABW-TV	D6	DT	LIC	PELHAM, GA	BLANK0000016505	364.0

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
46525.5	2,209,883	44705.7	2,143,256	44308.1	2,118,722	44198.5	2,108,618	0.25	0.48

Undesired		Total IX	Unique IX, before	Unique IX, after
WDHC-LD D6 LD CP	109.6	10,104		109.6
WBXM-CD D5 DC BL	120.5	18,494	48.1	48.1
WJSP-TV D5 DT LIC	11.6	17	1.9	1.9
WABW-TV D6 DT LIC	347.5	18,505	265.5	265.5

Interference to BNPDTL20090825AZX CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	W06DG-D	D6	LD	CP	EVANSVILLE, IN	BNPDTL20090825AZX			
Undesireds:	WDHC-LD	D6	LD	CP	Dickson, TN	WDHC AT WPRT at 535 ft	173.2 km		
	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
6953.1	437,214	6880.1	436,471	6880.1	436,471	6875.9	436,372	0.06	0.02
Undesired		Total IX	Unique IX, before	Unique IX, after					
WDHC-LD D6 LD CP	4.1	99		4.1					

Interference to proposal scenario 1  
15.01% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDHC-LD	D6	LD	CP	Dickson, TN	WDHC AT WPRT at 535 ft	
Undesireds:	WTVF	D5	LD	LIC	NASHVILLE, TN	BLCDT20120910AAA	46.5 km
	WVUA	D6	DT	LIC	TUSCALOOSA, AL	BLCDT20090612AHT	315.6
	W06DG-D	D6	LD	CP	EVANSVILLE, IN	BNPDTL20090825AZX	173.2
	WPGF-LP	N6+	TX	LIC	MEMPHIS, TN	BLANK0000093309	256.6
	Service area		Terrain-limited		IX-free		Percent IX
11167.3	1,053,659	10979.8	1,000,414	10764.7	850,204	1.96	15.01
Undesired		Total IX	Unique IX	Prcnt Unique IX			
WTVF D5 LD LIC	214.4	150,178	214.4	1.95			
WVUA D6 DT LIC	0.7	32	0.7	0.01			