

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: NMyrt34d15kwEC30IncT, Model: Longley-Rice

Start: 2023.11.02 10:27:10

Study created: 2023.11.02 10:27:10

Study build station data: LMS TV 2023-11-01

Proposal: WIDO-LD D34 LD APP WILMINGTON, NC

Facility ID: 182069

Station data: User record

Record ID: 1915

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	DW19CA	N19-	TX	APP	LUMBERTON, NC	BLTT19961112JH	119.0 km
No	WJGC-LD	D33	LD	LIC	JACKSONVILLE, NC	BLANK0000117659	161.9
No	WJGC-LD	D33	LD	CP	JACKSONVILLE, NC	BLANK0000148623	191.8
No	WJGC-LD	D33	LD	LIC	JACKSONVILLE, NC	BLANK0000216318	191.8
No	W33EI-D	D33	LD	LIC	RALEIGH, NC	BLANK0000125022	201.0
No	WTNG-CD	D33	DC	LIC	ROCKFISH, NC	BLANK0000081109	102.8
Yes	WILT-LD	D33	LD	LIC	WILMINGTON, NC	BLANK0000081348	52.4
No	WRLK-TV	D33	DT	LIC	COLUMBIA, SC	BLANK0000111852	225.5
No	W33DN-D	D33	LD	LIC	FLORENCE, SC	BLANK0000179271	124.9
Yes	WQHI-LD	D33	LD	LIC	MYRTLE BEACH, SC	BLANK0000179496	19.6
Yes	WQHI-LD	D33	LD	CP	MYRTLE BEACH, SC	BLANK0000190125	38.2
No	WPEM-LD	D34	LD	LIC	LUMBERTON, NC	BLANK0000219333	96.9
No	WPEM-LD	D34	LD	LIC	LUMBERTON, NC	BLANK0000121677	96.9
No	WPEM-LD	D34	LD	CP	LUMBERTON, NC	BLANK0000124896	96.9
No	W34FH-D	D34	LD	LIC	MARION, ETC., NC	BLANK0000086808	339.9
No	WYBE-CD	D34	DC	LIC	PINEHURST, NC	BLANK0000080833	161.6
No	WACN-LD	D34z	LD	LIC	RALEIGH, NC	BLANK0000197876	278.9
No	WACN-LD	N34z	TX	LIC	RALEIGH, NC	BLTTL20060609AAA	194.6

Yes	WITN-TV	D34	DT	LIC	WASHINGTON, NC	BLANK0000091433	189.5
Yes	WGWG	D34	DT	LIC	CHARLESTON, SC	BLANK00000199719	157.2
No	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK00000105822	252.4
No	WJHJ-LD	D34+	LD	LIC	NEWPORT NEWS, ETC., VA	BLANK00000189646	380.0
No	WZTD-LD	D34	LD	LIC	RICHMOND, VA	BLANK00000093220	407.0
No	WSLS-TV	D34	DT	LIC	ROANOKE, VA	BLANK00000199080	393.5
No	WFMY-TV	D35	DT	LIC	GREENSBORO, NC	BLANK00000113927	248.4
No	W35DW-D	D35	LD	LIC	GREENVILLE, NC	BLANK00000177044	198.2
No	WTMV-LD	D35	LD	LIC	OGDEN, NC	BLANK00000058471	76.8
No	W35ED-D	D35	LD	LIC	FLORENCE, SC	BLANK00000215078	121.0
No	WZCH-LD	D35	LD	CP	MYRTLE BEACH, SC	BLANK00000198648	91.0
No	WZCH-LD	D35	LD	LIC	MYRTLE BEACH, SC	BLANK00000194109	62.7
No	WZCH-LD	D35	LD	LIC	MYRTLE BEACH, SC	BLANK00000224313	91.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D34
 Mask: Stringent
 Latitude: 33 55 27.60 N (NAD83)
 Longitude: 78 30 2.80 W
 Height AMSL: 98.8 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: PSI-PSILP12EC (ID 20360) 30.0 deg
 Elev Pattn: Generic
 Elec Tilt: 1.00

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	13.3 kW	82.5 m	40.2 km
45.0	13.1	81.6	40.0
90.0	15.0	90.0	41.9
135.0	9.36	97.4	40.5
180.0	1.35	97.9	30.7

225.0	1.01	95.3	28.9
270.0	5.77	88.6	37.0
315.0	14.7	88.1	41.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 90 m

Distance to Canadian border: 926.9 km

Distance to Mexican border: 1977.9 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 271.0 degrees Distance: 574.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 294.1 degrees Distance: 2458.9 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 BLANK0000081348 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WILT-LD	D33	LD	LIC	WILMINGTON, NC	BLANK0000081348	
Undesireds:	WIDO-LD	D34	LD	APP	WILMINGTON, NC		52.4 km
	WJGC-LD	D33	LD	LIC	JACKSONVILLE, NC	BLANK0000117659	119.7
	WQHI-LD	D33	LD	LIC	MYRTLE BEACH, SC	BLANK0000179496	71.7
	WTVZ-TV	D33	DT	CP	NORFOLK, VA	BLANK0000117232	329.3
	WPEM-LD	D34	LD	LIC	LUMBERTON, NC	BLANK0000219333	117.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
5705.2	304,320	5705.2	304,320	5705.2	304,320	5678.6	302,210	0.47 0.69
Undesired			Total IX	Unique IX, before		Unique IX, after		
WIDO-LD D34 LD APP		26.7	2,110			26.7	2,110	

Interference to BLANK0000081348 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WILT-LD	D33	LD	LIC	WILMINGTON, NC	BLANK0000081348	
Undesireds:	WIDO-LD	D34	LD	APP	WILMINGTON, NC		52.4 km
	WJGC-LD	D33	LD	LIC	JACKSONVILLE, NC	BLANK0000117659	119.7
	WQHI-LD	D33	LD	CP	MYRTLE BEACH, SC	BLANK0000190125	90.6
	WTVZ-TV	D33	DT	CP	NORFOLK, VA	BLANK0000117232	329.3
	WPEM-LD	D34	LD	LIC	LUMBERTON, NC	BLANK0000219333	117.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
5705.2	304,320	5705.2	304,320	5578.8	297,973	5578.8	297,973	0.00 0.00
Undesired			Total IX	Unique IX, before		Unique IX, after		
WIDO-LD D34 LD APP		26.7	2,110			0.0	0	
WQHI-LD D33 LD CP		126.4	6,347	126.4	6,347	99.8	4,237	

Interference to BLANK0000179496 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WQHI-LD	D33	LD	LIC	MYRTLE BEACH, SC	BLANK0000179496	
Undesireds:	WIDO-LD	D34	LD	APP	WILMINGTON, NC		19.6 km
	WMBF-TV	D32	DT	LIC	MYRTLE BEACH, SC	BLCDT20091105AAP	38.4
	WJGC-LD	D33	LD	LIC	JACKSONVILLE, NC	BLANK0000117659	180.8
	WTNG-CD	D33	DC	LIC	ROCKFISH, NC	BLANK0000081109	105.4
	WILT-LD	D33	LD	LIC	WILMINGTON, NC	BLANK0000081348	71.7
	WRLK-TV	D33	DT	LIC	COLUMBIA, SC	BLANK0000111852	211.1

WPEM-LD D34 LD LIC LUMBERTON, NC

BLANK0000219333

100.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
31.6	7,312	25.7	5,925	11.9	3,832	11.9	3,832	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WIDO-LD D34 LD APP	11.9	1,993				0.0	0
WMBF-TV D32 DT LIC	5.9	439		1.0	100	1.0	100
WTNG-CD D33 DC LIC	5.9	147		0.0	0	0.0	0
WILT-LD D33 LD LIC	12.8	1,993		4.0	1,507	0.0	0
WRLK-TV D33 DT LIC	6.9	147		0.0	0	0.0	0

Interference to BLANK0000190125 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WQHI-LD	D33	LD	CP	MYRTLE BEACH, SC	BLANK0000190125	
Undesireds:	WIDO-LD	D34	LD	APP	WILMINGTON, NC		38.2 km
	WMBF-TV	D32	DT	LIC	MYRTLE BEACH, SC	BLCDDT20091105AAP	19.1
	WJGC-LD	D33	LD	LIC	JACKSONVILLE, NC	BLANK0000117659	196.4
	WILT-LD	D33	LD	LIC	WILMINGTON, NC	BLANK0000081348	90.6
	WPEM-LD	D34	LD	LIC	LUMBERTON, NC	BLANK0000219333	100.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
6390.4	314,102	6390.4	314,102	6204.9	308,032	6109.2	303,427	1.54	1.49

Undesired		Total IX		Unique IX, before		Unique IX, after	
WIDO-LD D34 LD APP	101.7	5,220				95.7	4,605
WMBF-TV D32 DT LIC	178.5	5,455		178.5	5,455	178.5	5,455
WILT-LD D33 LD LIC	6.9	615		6.9	615	1.0	0

Interference to BLANK0000091433 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WITN-TV	D34	DT	LIC	WASHINGTON, NC	BLANK0000091433	

Undesireds:	WIDO-LD	D34	LD	APP	WILMINGTON, NC		189.5 km
	WTVZ-TV	D33	DT	CP	NORFOLK, VA	BLANK00000117232	179.2
	WRC-TV	D34	DT	LIC	WASHINGTON, DC	BLANK00000153860	398.3
	WGWG	D34	DT	LIC	CHARLESTON, SC	BLANK00000199719	344.4
	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK00000105822	334.8
	WSLS-TV	D34	DT	LIC	ROANOKE, VA	BLANK00000199080	320.2
	WVEC	D35	DT	CP	HAMPTON, VA	BLANK00000214052	181.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
45879.0 1,858,764	45828.6 1,842,487	45573.2 1,809,055	45556.1 1,808,859	0.04 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WIDO-LD D34 LD APP 30.1	220	17.1 196	
WTVZ-TV D33 DT CP 38.3	133	1.0 0	
WRC-TV D34 DT LIC 1.0	136	1.0 136	
WGWG D34 DT LIC 25.1	359	18.0 60	
WNSC-TV D34 DT LIC 9.0	2,738	0.0 0	
WSLS-TV D34 DT LIC 186.0	33,061	178.0 30,241	
WVEC D35 DT CP 46.4	165	9.1 32	

Interference to BLANK0000091433 LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WITN-TV	D34	DT	LIC	WASHINGTON, NC	BLANK0000091433	
Undesireds: WIDO-LD	D34	LD	APP	WILMINGTON, NC		189.5 km
WTVZ-TV	D33	DT	CP	NORFOLK, VA	BLANK00000117232	179.2
WRC-TV	D34	DT	LIC	WASHINGTON, DC	BLANK00000153860	398.3
WGWG	D34	DT	LIC	CHARLESTON, SC	BLANK00000199719	344.4
WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK00000105822	334.8
WSLS-TV	D34	DT	LIC	ROANOKE, VA	BLANK00000199080	320.2
WVEC	D35	DT	BL	HAMPTON, VA	DTVBL74167	181.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
45879.0 1,858,764	45828.6 1,842,487	45573.2 1,809,055	45556.1 1,808,859	0.04 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
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WIDO-LD D34 LD APP	30.1	220			17.1	196
WTVZ-TV D33 DT CP	38.3	133	1.0	0	1.0	0
WRC-TV D34 DT LIC	1.0	136	1.0	136	1.0	136
WGWG D34 DT LIC	25.1	359	18.0	60	10.0	46
WNSC-TV D34 DT LIC	9.0	2,738	0.0	0	0.0	0
WSLS-TV D34 DT LIC	186.0	33,061	178.0	30,241	178.0	30,241
WVEC D35 DT BL	46.4	165	9.1	32	9.1	32

Interference to BLANK0000091433 LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WITN-TV	D34	DT	LIC	WASHINGTON, NC	BLANK0000091433	
Undesireds:	WIDO-LD	D34	LD	APP	WILMINGTON, NC		189.5 km
	WTVZ-TV	D33	DT	LIC	NORFOLK, VA	BLANK00000125150	179.2
	WRC-TV	D34	DT	LIC	WASHINGTON, DC	BLANK00000153860	398.3
	WGWG	D34	DT	LIC	CHARLESTON, SC	BLANK00000199719	344.4
	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK00000105822	334.8
	WSLS-TV	D34	DT	LIC	ROANOKE, VA	BLANK00000199080	320.2
	WVEC	D35	DT	CP	HAMPTON, VA	BLANK00000214052	181.4
	Service area	Terrain-limited		IX-free, before		IX-free, after	
	45879.0	1,858,764	45828.6	1,842,487	45574.2	1,809,055	45557.1 1,808,859
							Percent New IX 0.04 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WIDO-LD D34 LD APP	30.1 220	17.1 196	
WTVZ-TV D33 DT LIC	32.3 133	0.0 0	
WRC-TV D34 DT LIC	1.0 136	1.0 136	
WGWG D34 DT LIC	25.1 359	18.0 60	
WNSC-TV D34 DT LIC	9.0 2,738	0.0 0	
WSLS-TV D34 DT LIC	186.0 33,061	178.0 30,241	
WVEC D35 DT CP	46.4 165	14.1 32	

Interference to BLANK0000091433 LIC scenario 4

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired: WITN-TV D34 DT LIC WASHINGTON, NC BLANK0000091433

Undesireds:	WIDO-LD	D34	LD	APP	WILMINGTON, NC		189.5 km
	WTVZ-TV	D33	DT	LIC	NORFOLK, VA	BLANK00000125150	179.2
	WRC-TV	D34	DT	LIC	WASHINGTON, DC	BLANK00000153860	398.3
	WGWG	D34	DT	LIC	CHARLESTON, SC	BLANK00000199719	344.4
	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK00000105822	334.8
	WSLS-TV	D34	DT	LIC	ROANOKE, VA	BLANK00000199080	320.2
	WVEC	D35	DT	BL	HAMPTON, VA	DTVBL74167	181.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
45879.0 1,858,764	45828.6 1,842,487	45574.2 1,809,055	45557.1 1,808,859	0.04 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WIDO-LD D34 LD APP 30.1	220	17.1 196	
WTVZ-TV D33 DT LIC 32.3	133	0.0 0	
WRC-TV D34 DT LIC 1.0	136	1.0 136	
WGWG D34 DT LIC 25.1	359	18.0 60	
WNSC-TV D34 DT LIC 9.0	2,738	0.0 0	
WSLS-TV D34 DT LIC 186.0	33,061	178.0 30,241	
WVEC D35 DT BL 46.4	165	14.1 32	

Interference to BLANK0000199719 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WGWG	D34	DT	LIC	CHARLESTON, SC	BLANK0000199719	
Undesireds: WIDO-LD	D34	LD	APP	WILMINGTON, NC		157.2 km
WITN-TV	D34	DT	LIC	WASHINGTON, NC	BLANK0000091433	344.4
WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK00000105822	245.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32663.0 990,480	32663.0 990,480	32660.0 990,480	32639.2 985,584	0.06 0.49

Undesired	Total IX	Unique IX, before	Unique IX, after
WIDO-LD D34 LD APP 21.8	4,896	20.8 4,896	
WITN-TV D34 DT LIC 2.0	0	1.0 0	

WNSC-TV D34 DT LIC	2.0	0	1.0	0	1.0	0
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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIDO-LD	D34	LD	APP	WILMINGTON, NC		
Undesireds:	WQHI-LD	D33	LD	LIC	MYRTLE BEACH, SC	BLANK00000179496	19.6 km
	WPEM-LD	D34	LD	LIC	LUMBERTON, NC	BLANK00000219333	96.9
	WACN-LD	D34z	LD	LIC	RALEIGH, NC	BLANK00000197876	278.9
	WGWG	D34	DT	LIC	CHARLESTON, SC	BLANK00000199719	157.2
	WZCH-LD	D35	LD	CP	MYRTLE BEACH, SC	BLANK00000198648	91.0

Service area	Terrain-limited	IX-free	Percent IX
4538.0 131,304	4538.0 131,304	4535.0 131,270	0.07 0.03

Undesired	Total IX	Unique IX	Prcnt Unique IX
WGWG D34 DT LIC	3.0 34	3.0 34	0.07 0.03