

tvstudy v2.2.2

Database: localhost, Study: WEBA-371, Model: Longley-Rice

Start: 2017.05.23 12:02:16

Study created: 2017.05.23 12:02:10

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

Proposal: WEBA-TV D21 DT BL ALLENDALE, SC

File number: DTVBL61003

Facility ID: 61003

Station data: User record

Record ID: 428

Country: U.S.

Zone: II

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WCBD-TV	D20	DT	BL	CHARLESTON, SC	DTVBL10587	160.9 km
WDHN	D21	DT	LIC	DOTHAN, AL	BLCDT20090303ACR	427.0
WJEB-TV	D21	DT	BL	JACKSONVILLE, FL	DTVBL29719	324.0
WPBA	D21	DT	LIC	ATLANTA, GA	BLEDT20041013ABK	279.7
WUNG-TV	D21	DT	BL	CONCORD, NC	DTVBL69124	251.9
WUNJ-TV	D21	DT	BL	WILMINGTON, NC	DTVBL69332	318.8
WJCL	D22	DT	LIC	SAVANNAH, GA	BLCDT20091013AFS	125.7
WACH	D22	DT	BL	COLUMBIA, SC	DTVBL19199	118.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D21

Latitude: 33 11 16.00 N (NAD83)

Longitude: 81 23 49.50 W

Height AMSL: 305.3 m

HAAT: 240.6 m

Peak ERP: 371 kW

Antenna: DIE-TUF-C4SP-12/48-1-T (ID 67765) 0.0 deg

39.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	40.2 kW	231.1 m	70.1 km
45.0	12.6	242.7	65.0
90.0	12.2	245.9	65.0
135.0	16.0	234.5	65.6
180.0	9.86	247.2	64.0
225.0	17.9	249.2	67.2
270.0	174	240.1	78.3
315.0	299	234.3	80.8

Proposal service area is within baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 947.6 km

Distance to Mexican border: 1698.9 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 284.6 degrees Distance: 317.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 296.8 degrees    Distance: 2251.7 km

No land mobile station failures found

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%

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Interference to DTVBL10587 BL, scenario 1  
Proposal causes no interference.

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Interference to BLCDT20090303ACR LIC, scenario 1  
Proposal causes no interference.

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Interference to DTVBL29719 BL, scenario 1  
Proposal causes no interference.

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Interference to BLEDT20041013ABK LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPBA	D21	DT	LIC	ATLANTA, GA	BLEDT20041013ABK	
Undesireds:	WEBA-TV	D21	DT	BL	ALLENDALE, SC	DTVBL61003	279.7 km
	WEBA-TV	D21	DT	BL	ALLENDALE, SC	DTVBL61003	279.7
	WANN-CD	D20	DC	BL	ATLANTA, GA	DTVBL168812	5.4
	WDNN-CD	D20	DC	BL	DALTON, GA	DTVBL49236	125.1
	WDHN	D21	DT	LIC	DOTHAN, AL	BLCDT20090303ACR	294.5
	WTTO	D21	DT	BL	HOMEWOOD, AL	DTVBL74138	230.8
	WUXP-TV	D21	DT	LIC	NASHVILLE, TN	BLCDT20060414AAU	357.2
	WHSG-TV	D22	DT	BL	MONROE, GA	DTVBL68058	5.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
17319.4	5,217,180	17127.4	5,200,958	15314.2	4,848,283	15306.2	4,848,257	0.05	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
WEBA-TV D21 DT BL	24.1	1,426	8.0	47		
WEBA-TV D21 DT BL	36.1	1,502			16.0	73
WANN-CD D20 DC BL	948.3	177,321	60.1	6,698	60.1	6,698
WDNN-CD D20 DC BL	24.0	2,184	0.0	0	0.0	0
WDHN D21 DT LIC	52.0	7,281	19.9	100	19.9	100
WTTO D21 DT BL	296.3	38,629	152.2	22,310	152.2	22,310
WUXP-TV D21 DT LIC	48.0	7,955	12.0	1,969	12.0	1,969
WHSG-TV D22 DT BL	1532.9	318,442	596.6	138,151	592.6	138,101

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Interference to DTVBL69124 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WUNG-TV	D21	DT	BL	CONCORD, NC	DTVBL69124	
Undesireds:	WEBA-TV	D21	DT	BL	ALLENDALE, SC	DTVBL61003	251.9 km
	WEBA-TV	D21	DT	BL	ALLENDALE, SC	DTVBL61003	251.9
	WUNC-TV	D20	DT	BL	CHAPEL HILL, NC	DTVBL69080	142.1
	WPBA	D21	DT	LIC	ATLANTA, GA	BLEDT20041013ABK	384.5
	WUNJ-TV	D21	DT	BL	WILMINGTON, NC	DTVBL69332	246.0
	WWCW	D21	DT	BL	LYNCHBURG, VA	DTVBL24812	235.0

WUVC-DT	D22	DT	BL	FAYETTEVILLE, NC	DTVBL16517	148.8
WACH	D22	DT	BL	COLUMBIA, SC	DTVBL19199	138.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
25819.2	3,267,315	25539.0	3,256,784	24242.5	3,160,516	24242.5	3,160,516	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WEBA-TV D21 DT BL	11.9	64	4.0	0			
WEBA-TV D21 DT BL	11.9	64			4.0	0	
WUNC-TV D20 DT BL	427.6	26,462	24.2	1,224	24.2	1,224	
WUNJ-TV D21 DT BL	851.5	38,359	397.2	11,233	397.2	11,233	
WWCW D21 DT BL	654.1	70,306	248.0	49,328	248.0	49,328	
WUVC-DT D22 DT BL	399.3	14,524	20.2	272	20.2	272	
WACH D22 DT BL	43.8	477	27.8	208	27.8	208	

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Interference to DTVBL69332 BL, scenario 1

Proposal causes no interference.

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Interference to BLCDT20091013AFS LIC, scenario 1

Proposal causes no interference.

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Interference to DTVBL19199 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WACH	D22	DT	BL	COLUMBIA, SC	DTVBL19199	
Undesireds:	WEBA-TV	D21	DT	BL	ALLENDALE, SC	DTVBL61003	118.7 km
	WEBA-TV	D21	DT	BL	ALLENDALE, SC	DTVBL61003	118.7
	WUNG-TV	D21	DT	BL	CONCORD, NC	DTVBL69124	138.8
	WHSG-TV	D22	DT	BL	MONROE, GA	DTVBL68058	331.4
	WJCL	D22	DT	LIC	SAVANNAH, GA	BLCDT20091013AFS	234.9
	WUVC-DT	D22	DT	BL	FAYETTEVILLE, NC	DTVBL16517	225.0
	WKPT-CD	D22	DC	LIC	KINGSPORT, TN	BLDTA20120420ACJ	314.8
	WBTB	D23	DT	LIC	CHARLOTTE, NC	BLCDT19991025AEB	144.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
27982.5	1,317,358	27910.7	1,316,735	27059.6	1,290,666	27059.6	1,290,666	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WEBA-TV D21 DT BL	4.0	66	0.0	0			
WEBA-TV D21 DT BL	12.0	101			0.0	0	
WUNG-TV D21 DT BL	11.9	1,635	0.0	0	0.0	0	
WHSG-TV D22 DT BL	40.0	260	12.0	22	12.0	22	
WJCL D22 DT LIC	152.0	2,132	120.0	1,902	112.0	1,867	
WUVC-DT D22 DT BL	258.5	5,479	218.8	2,268	218.8	2,268	
WBTB D23 DT LIC	468.3	21,292	428.6	17,973	428.6	17,973	

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Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEBA-TV	D21	DT	BL	ALLENDALE, SC	DTVBL61003	
Undesireds:	WCBD-TV	D20	DT	BL	CHARLESTON, SC	DTVBL10587	160.9 km
	WJEB-TV	D21	DT	BL	JACKSONVILLE, FL	DTVBL29719	324.0
	WPBA	D21	DT	LIC	ATLANTA, GA	BLEDT20041013ABK	279.7
	WUNG-TV	D21	DT	BL	CONCORD, NC	DTVBL69124	251.9
	WUNJ-TV	D21	DT	BL	WILMINGTON, NC	DTVBL69332	318.8
	WJCL	D22	DT	LIC	SAVANNAH, GA	BLCDT20091013AFS	125.7
	WACH	D22	DT	BL	COLUMBIA, SC	DTVBL19199	118.7

Service area		Terrain-limited		IX-free		Percent IX	
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15466.4	645,039	15414.2	635,967	15345.9	634,228	0.44	0.27
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Undesired		Total IX		Unique IX	Prct Unique IX	
WPBA D21 DT LIC	12.0	766	4.0	0	0.03	0.00
WUNG-TV D21 DT BL	16.0	822	8.0	56	0.05	0.01
WJCL D22 DT LIC	20.1	92	20.1	92	0.13	0.01
WACH D22 DT BL	28.1	825	28.1	825	0.18	0.13