

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Augusta20d1kwinceltiat0fA1, Model: Longley-Rice

Start: 2022.05.04 06:12:44

Study created: 2022.05.04 06:12:43

Study build station data: LMS TV 2022-05-03 #164

Proposal: W20EW-D D20 LD CP AUGUSTA, GA

Facility ID: 185709

Station data: User record

Record ID: 2029

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	WGCL-TV	D19	DT	LIC	ATLANTA, GA	BLANK00000152289	213.7 km
Yes	W19DO-D	D19	LD	CP	AUGUSTA, GA	BNPDTL20100421ABO	21.4
No	WBPI-CD	D19	DC	LIC	AUGUSTA, GA	BLANK00000059661	23.8
No	W19DN-D	D19	LD	LIC	MACON, GA	BLANK00000179078	151.5
No	WSOC-TV	D19	DT	LIC	CHARLOTTE, NC	BLANK00000146857	247.2
No	DWLOW-LP	N19-	TX	APP	BEAUFORT, SC	BLTT20000302AAU	164.8
No	WCSC-TV	D19	DT	LIC	CHARLESTON, SC	BLANK00000184937	228.2
No	WABM	D20	DT	LIC	BIRMINGHAM, AL	BLANK00000123838	437.1
No	WJJN-LD	D20	LD	LIC	DOTHAN, AL	BLANK00000122171	387.3
No	WCWJ	D20	DT	LIC	JACKSONVILLE, FL	BLANK00000097952	345.5
No	W20ET-D	D20	LD	CP	MADISON, FL	BNPDTL20090825AHV	353.1
No	W20EQ-D	D20	LD	CP	ATHENS, GA	BNPDTL20090825AJQ	87.6
No	WANN-CD	D20	DC	LIC	ATLANTA, GA	BLANK00000092680	213.7
No	WSB-TV	D20	LD	CP	ATLANTA, GA	BLANK00000137675	184.3
No	WDNN-CD	D20	DC	LIC	DALTON, GA	BLANK00000098043	309.9
No	WCGZ-LD	D20	LD	LIC	LA GRANGE, GA	BLANK00000125138	292.2
No	WCGZ-LD	D20	LD	CP	LA GRANGE, GA	BLANK00000185946	274.9
No	W20DL-D	D20	LD	CP	MACON, GA	BNPDTL20100205ACG	151.2
No	WHDS-LD	D20	LD	LIC	SAVANNAH, GA	BLANK00000101192	171.1
No	WCTV	D20	DT	LIC	THOMASVILLE, GA	BLANK00000121784	344.5
No	DW20CY	D20	LD	APP	TIFTON, GA	BDFCDTL20091118AGP	249.6

No	WYMT-TV	D20	DT	CP	HAZARD, KY	BLANK0000185947	438.7
No	W20EK-D	D20	LD	LIC	ANDREWS, ETC, NC	BLANK0000120275	263.3
No	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK0000093577	212.5
No	WUNC-TV	D20	DT	LIC	CHAPEL HILL, NC	BLANK0000138116	387.7
No	WDMC-LD	D20	LD	LIC	CHARLOTTE, NC	BLANK0000164588	248.2
No	W20EY-D	D20	LD	LIC	WILMINGTON, NC	BLANK0000178057	371.8
No	WCBD-TV	D20	DT	LIC	CHARLESTON, SC	BLANK0000184909	228.1
No	WABE-TV	D21	DT	LIC	ATLANTA, GA	BLANK0000143418	212.2
No	W21EN-D	D21	LD	CP	MACON, GA	BLANK0000154639	151.5
No	W21EN-D	D21	LD	APP	MACON, GA	BLANK0000189895	151.2
No	WUNG-TV	D21	DT	LIC	CONCORD, NC	BLANK0000113063	262.0
Yes	WEBA-TV	D21	DT	LIC	ALLENDALE, SC	BLANK0000145391	67.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D20
Mask: Full Service
Latitude: 33 20 50.00 N (NAD83)
Longitude: 82 5 53.50 W
Height AMSL: 73.8 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 1.00 kW
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 0.0 deg
Elev Pattn: Generic

49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.00 kW	-34.8 m	18.6 km
45.0	0.202	6.1	12.3
90.0	0.000	21.8	3.1
135.0	0.008	-24.0	5.5
180.0	0.002	-32.8	4.2
225.0	0.005	-44.7	5.1
270.0	0.000	-54.0	3.2
315.0	0.214	-43.1	12.5

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: -26 m

Distance to Canadian border: 926.2 km

Distance to Mexican border: 1647.3 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 284.0 degrees Distance: 249.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 296.8 degrees Distance: 2185.5 km

No land mobile station failures found

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%

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Interference to BNPDTL20100421ABO CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W19DO-D	D19	LD	CP	AUGUSTA, GA	BNPDTL20100421ABO	
Undesireds:	W20EW-D	D20	LD	CP	AUGUSTA, GA		21.4 km
	WIEF-LD	D18	LD	LIC	AUGUSTA, GA	BLANK0000096704	40.1
	WGCL-TV	D19	DT	LIC	ATLANTA, GA	BLANK0000152289	195.3
	WBPI-CD	D19	DC	LIC	AUGUSTA, GA	BLANK0000059661	30.4
	WSOC-TV	D19	DT	LIC	CHARLOTTE, NC	BLANK0000146857	243.1
	WCSC-TV	D19	DT	LIC	CHARLESTON, SC	BLANK0000184937	246.5

	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New
IX					

1300.8	352,849	1258.1	336,958	559.5	149,703	559.5	149,703	0.00
0.00								

Undesired		Total IX	Unique IX, before	Unique IX, after
W20EW-D D20 LD CP	1.0	1,011	0.0	0
WIEF-LD D18 LD LIC	85.4	18,974	0.0	0
WGCL-TV D19 DT LIC	136.0	28,998	7.9	4,021
WBPI-CD D19 DC LIC	689.7	183,168	553.6	153,918
WSOC-TV D19 DT LIC	11.9	2,402	1.0	66
WCSC-TV D19 DT LIC	7.9	2,722	0.0	0

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 Interference to BLANK0000145391 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEBA-TV	D21	DT	LIC	ALLENDALE, SC	BLANK0000145391	
Undesireds:	W20EW-D	D20	LD	CP	AUGUSTA, GA		67.5 km
	WABE-TV	D21	DT	LIC	ATLANTA, GA	BLANK0000143418	279.7
	WUNG-TV	D21	DT	LIC	CONCORD, NC	BLANK0000113063	251.9
	WUNJ-TV	D21	DT	LIC	WILMINGTON, NC	BLANK0000126699	318.8
	WJCL	D22	DT	LIC	SAVANNAH, GA	BLANK0000029019	125.7
	WACH	D22	DT	LIC	COLUMBIA, SC	BLANK0000093772	118.7

IX	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New
14824.0	640,701	14799.2	639,541	14715.7	635,965
0.09				14714.8	635,397
					0.01

Undesired		Total IX	Unique IX, before	Unique IX, after
W20EW-D D20 LD CP	1.0	568	1.0	568
WABE-TV D21 DT LIC	11.9	1,770	6.9	842
WUNG-TV D21 DT LIC	22.8	1,741	13.9	780
WUNJ-TV D21 DT LIC	1.0	0	0.0	0
WJCL D22 DT LIC	25.0	293	25.0	293
WACH D22 DT LIC	31.7	733	28.7	700

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 Interference to proposal scenario 1

17.68% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W20EW-D	D20	LD	CP	AUGUSTA, GA		
Undesireds:	W19DO-D	D19	LD	CP	AUGUSTA, GA	BNPDTL20100421ABO	21.4 km
	WBPI-CD	D19	DC	LIC	AUGUSTA, GA	BLANK0000059661	23.8
	W20EQ-D	D20	LD	CP	ATHENS, GA	BNPDTL20090825AJQ	87.6
	WCGZ-LD	D20	LD	LIC	LA GRANGE, GA	BLANK0000125138	292.2
	WHDS-LD	D20	LD	LIC	SAVANNAH, GA	BLANK0000101192	171.1
	WUNF-TV	D20	DD	LIC	ASHEVILLE, NC	BLANK0000093577	212.5
	WCBD-TV	D20	DT	LIC	CHARLESTON, SC	BLANK0000184909	228.1
	WEBA-TV	D21	DT	LIC	ALLENDAL, SC	BLANK0000145391	67.5

Service area	Terrain-limited	IX-free	Percent IX
297.9 150,405	240.3 105,013	196.7 86,445	18.18 17.68

Undesired	Total IX	Unique IX	Prcnt Unique IX
W19DO-D D19 LD CP 26.8 12,846 3.0 1,908 1.24 1.82			
WBPI-CD D19 DC LIC 36.7 16,093 7.9 3,916 3.31 3.73			
W20EQ-D D20 LD CP 11.9 3,958 0.0 0 0.00 0.00			
WHDS-LD D20 LD LIC 2.0 2,909 0.0 0 0.00 0.00			
WUNF-TV D20 DD LIC 25.8 10,919 3.0 553 1.24 0.53			
WCBD-TV D20 DT LIC 10.9 4,600 0.0 0 0.00 0.00			
WEBA-TV D21 DT LIC 3.0 3,093 0.0 0 0.00 0.00			