

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Columbus19d0.2kwinceltiat300fA1, Model: Longley-Rice

Start: 2022.05.04 10:49:49

Study created: 2022.05.04 10:49:49

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

Proposal: W19DW-D D19 LD LIC Columbus, GA

Facility ID: 131230

Station data: User record

Record ID: 2037

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	W18ET-D	D18	LD	LIC	BIRMINGHAM, AL	BLANK00000136285	214.6 km
No	WBMM	D18	DT	LIC	TUSKEGEE, AL	BLANK00000081490	108.6
No	WUEE-LD	D18	LD	CP	ALBANY, GA	BLANK00000013290	133.1
No	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK00000081094	158.4
No	WPGA-LD	D18-	LD	LIC	MACON, GA	BLANK00000163851	128.6
No	WIIQ	D19	DT	LIC	DEMOPOLIS, AL	BLEDT20090511AHE	280.7
No	WHNT-TV	D19	DT	CP	HUNTSVILLE, AL	BLANK00000127591	295.8
No	WHNT-TV	D19	DT	LIC	HUNTSVILLE, AL	BLCDT20111118COZ	295.8
No	WIYC	D19	DT	LIC	TROY, AL	BLANK00000120197	109.4
No	WJAX-TV	D19	DT	LIC	JACKSONVILLE, FL	BLCDT20030328ANV	396.9
No	WIDM-LD	D19	LD	LIC	PANAMA CITY, FL	BLANK00000013986	266.5
No	WIDM-LD	D19	LD	CP	PANAMA CITY, FL	BLANK00000163182	259.6
No	W19CO-D	D19	LD	LIC	PENSACOLA, FL	BLANK00000181660	314.4
No	WGCL-TV	D19	DT	LIC	ATLANTA, GA	BLANK00000152289	158.4
No	W19DO-D	D19	LD	CP	AUGUSTA, GA	BNPDTL20100421ABO	269.5
No	WBPI-CD	D19	DC	LIC	AUGUSTA, GA	BLANK00000059661	298.7
No	WTLH	D19	DT	LIC	BAINBRIDGE, GA	BLANK00000119592	215.7
No	W19DN-D	D19	LD	LIC	MACON, GA	BLANK00000179078	128.3
No	W19DB-D	D19	LD	LIC	FRANKLIN, NC	BLANK00000144222	324.9
No	WOOT-LD	D19	LD	LIC	CHATTANOOGA, TN	BLANK00000108610	307.7
No	WABM	D20	DT	LIC	BIRMINGHAM, AL	BLANK00000123838	212.4

No	WJJN-LD	D20	LD	LIC	DOTHAN, AL	BLANK0000122171	142.6
No	WANN-CD	D20	DC	LIC	ATLANTA, GA	BLANK0000092680	158.4
No	WSB-TV	D20	LD	CP	ATLANTA, GA	BLANK0000137675	208.4
No	WCGZ-LD	D20	LD	LIC	LA GRANGE, GA	BLANK0000125138	39.5
No	WCGZ-LD	D20	LD	CP	LA GRANGE, GA	BLANK0000185946	65.8
No	W20DL-D	D20	LD	CP	MACON, GA	BNPDTL20100205ACG	128.6
No	WCTV	D20	DT	LIC	THOMASVILLE, GA	BLANK0000121784	217.9
No	DW20CY	D20	LD	APP	TIFTON, GA	BDFCDTL20091118AGP	172.1
No	WTBS-LD	N26-	TX	LIC	ATLANTA, GA	BLTTL20000620AEP	151.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19  
 Mask: Full Service  
 Latitude: 32 27 29.00 N (NAD83)  
 Longitude: 84 53 8.00 W  
 Height AMSL: 126.0 m (Adjusted based on actual ground elevation calculation)  
 HAAT: 0.0 m  
 Peak ERP: 0.200 kW  
 Antenna: ELTI-ELTI UHF Panel (ID 1008435) 300.0 deg  
 Elev Pattnr: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.011 kW	-8.0 m	6.1 km
45.0	0.000	0.7	3.2
90.0	0.000	14.5	3.1
135.0	0.000	13.8	2.2
180.0	0.001	26.3	3.4
225.0	0.003	40.3	5.0
270.0	0.098	26.6	10.4
315.0	0.163	7.9	11.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 15 m

Distance to Canadian border: 1043.0 km

Distance to Mexican border: 1370.8 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 5.5 degrees Distance: 156.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 300.9 degrees Distance: 2005.1 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 proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W19DW-D	D19	LD	LIC	Columbus, GA		
Undesireds:	WHNT-TV	D19	DT	CP	HUNTSVILLE, AL	BLANK00000127591	295.8 km
	WIYC	D19	DT	LIC	TROY, AL	BLANK00000120197	109.4
	WIDM-LD	D19	LD	LIC	PANAMA CITY, FL	BLANK00000013986	266.5
	WGCL-TV	D19	DT	LIC	ATLANTA, GA	BLANK00000152289	158.4
	WCGZ-LD	D20	LD	LIC	LA GRANGE, GA	BLANK00000125138	39.5

	Service area		Terrain-limited		IX-free		Percent IX
	137.5	118,316	136.5	117,706	134.5	115,430	1.47 1.93

Undesired			Total IX		Unique IX	Prcnt Unique IX
WIYC D19 DT LIC		2.0	2,276	0.0	0	0.00 0.00
WGCL-TV D19 DT LIC		2.0	2,276	0.0	0	0.00 0.00