

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Valdosta23d3kwincSam460at180fA1, Model: Longley-Rice

Start: 2022.07.20 23:26:45

Study created: 2022.07.20 23:26:45

Study build station data: LMS TV 2022-06-26

Proposal: W23FI-D D23 LD LIC VALDOSTA, GA

Facility ID: 186179

Station data: User record

Record ID: 2228

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	WUBF-LD	D22	LD	LIC	JACKSONVILLE, FL	BLANK0000068178	193.4 km
No	WFGZ-LD	D22	LD	LIC	LAKE CITY, FL	BLANK00000117656	162.3
No	WFGZ-LD	D22	LD	CP	LAKE CITY, FL	BLANK00000130103	205.7
No	WTWC-TV	D22	DT	LIC	TALLAHASSEE, FL	BLANK00000118579	74.9
No	WJCL	D22	DT	LIC	SAVANNAH, GA	BLANK00000029019	220.0
No	WRGX-LD	D23	LD	LIC	DOTHAN, AL	BLDTL20130531ATB	224.8
No	WDPM-DT	D23	DT	LIC	MOBILE, AL	BLCDT20090420AAD	406.0
No	WQAP-LD	D23	LD	LIC	MONTGOMERY, AL	BLANK00000115788	320.3
No	WOIL-CD	D23	DC	LIC	TALLADEGA, AL	BLANK00000110450	365.7
No	WKCF	D23	DT	LIC	CLERMONT, FL	BLANK00000143772	360.6
No	WKBJ-LD	D23	LD	LIC	Jacksonville, FL	BLANK00000108066	199.4
No	W23FJ-D	D23	LD	CP	JENNINGS, FL	BLANK00000155519	65.7
No	DW23AQ	N23-	TX	APP	LAKE CITY, FL	BLTT19931215JE	124.6
No	W23FF-D	D23	LD	CP	MADISON, FL	BNPDTL20090825AHQ	81.0
No	W48DU-D	D23	LD	CP	ALBANY, GA	BLANK00000193082	79.2
No	WZVC-LD	D23	LD	LIC	ATHENS, GA	BLANK00000178758	306.1
No	WZVC-LD	D23	LD	CP	ATHENS, GA	BLANK00000185000	307.5
No	WAAU-LD	D23	LD	LIC	AUGUSTA, GA	BLDTL20120522AFJ	290.7
No	W23EV-D	D23	LD	LIC	CARROLLTON, GA	BLANK00000125385	309.8
No	WAUA-LD	D23	LD	LIC	COLUMBUS, GA	BLANK00000189629	214.6
No	WKTB-CD	D23	DC	LIC	NORCROSS, GA	BLANK00000081811	318.1

No	WPGA-TV	D23	DT	LIC	PERRY, GA	BLANK0000116580	180.0
No	WTOC-TV	D23	DT	CP	SAVANNAH, GA	BLANK0000149921	218.8
No	WAZS-LD	D23	LD	CP	NORTH CHARLESTON, SC	BLANK0000054749	368.5
No	WTLF	D24	DT	CP	TALLAHASSEE, FL	BLANK0000035775	74.9
No	WTLF	D24	DT	LIC	TALLAHASSEE, FL	BLCDT20030303ABF	120.9
No	WPXC-TV	D24	DT	LIC	BRUNSWICK, GA	BLCDT20110426AAQ	161.4
No	WXTX	D24	DT	LIC	COLUMBUS, GA	BLANK0000064021	203.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D23  
Mask: Full Service  
Latitude: 31 8 14.80 N (NAD83)  
Longitude: 83 23 42.90 W  
Height AMSL: 83.1 m (Adjusted based on actual ground elevation calculation)  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: SAM-SAM-460 (ID 1004146) 180.0 deg  
Elev Pattnr: Generic

49.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	9.2 m	2.5 km
45.0	0.000	14.6	2.5
90.0	0.000	17.3	2.5
135.0	0.019	20.2	6.8
180.0	3.00	16.9	23.4
225.0	0.019	20.0	6.8
270.0	0.000	11.9	2.5
315.0	0.000	9.1	2.5

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 15 m

Distance to Canadian border: 1173.2 km

Distance to Mexican border: 1438.6 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 338.0 degrees Distance: 327.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 303.0 degrees Distance: 2202.2 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%

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W23FI-D	D23	LD	LIC	VALDOSTA, GA		
Undesireds:	WTWC-TV	D22	DT	LIC	TALLAHASSEE, FL	BLANK0000118579	74.9 km
	WTLF	D24	DT	CP	TALLAHASSEE, FL	BLANK0000035775	74.9

Service area		Terrain-limited		IX-free		Percent IX	
266.1	8,907	266.1	8,907	246.7	8,787	7.28	1.35

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WTWC-TV D22 DT LIC	19.4	120	16.3	120	6.13	1.35
WTLF D24 DT CP	3.1	0	0.0	0	0.00	0.00

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Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W23FI-D	D23	LD	LIC	VALDOSTA, GA		

Undesireds: WTWC-TV D22 DT LIC TALLAHASSEE, FL BLANK0000118579 74.9 km

Service area		Terrain-limited		IX-free		Percent IX	
266.1	8,907	266.1	8,907	246.7	8,787	7.28	1.35

Undesired		Total IX		Unique IX		Prcnt Unique IX	
WTWC-TV	D22 DT LIC	19.4	120	19.4	120	7.28	1.35