

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Soperton34d15kwTUA270T, Model: Longley-Rice

Start: 2021.05.17 12:28:11

Study created: 2021.05.17 12:28:11

Study build station data: LMS TV 2021-05-16

Proposal: W44DT-D D34 LD APP Soperton, GA

Facility ID: 186375

Station data: User record

Record ID: 2172

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	WLOW-LP	N19-	TX	LIC	BEAUFORT, SC	BLTT20000302AAU	155.0 km
No	WMEL-LD	D33	LD	CP	AUGUSTA, GA	BLANK0000074331	101.0
No	WGNM	D33	DT	LIC	MACON, GA	BLANK0000113679	115.9
No	WDID-LD	D33	LD	LIC	SAVANNAH, GA	BLANK0000106516	106.9
Yes	W33DY-D	D33	LD	CP	SOPERTON, GA	BNPDTL20100510AHG	4.7
No	WRLK-TV	D33	DT	LIC	COLUMBIA, SC	BLANK0000111852	232.2
No	W34EU-D	D34	LD	CP	MIDLAND CITY, AL	BNPDTL20100510ALL	319.7
No	WBIH	D34	DT	LIC	SELMA, AL	BLANK0000110807	417.6
No	W34EC-D	D34	LD	CP	CHATTAHOOCHEE, FL	BNPDTL20090825AGO	309.4
No	WBXJ-CD	D34	DC	LIC	JACKSONVILLE, ETC., FL	BLANK0000108581	250.8
No	WUCF-TV	D34	DT	LIC	ORLANDO, FL	BLANK0000103415	442.1
No	W40BU	D34-	LD	CP	PANAMA CITY, FL	BLANK0000054799	389.9
No	W34FQ-D	D34	LD	CP	TALLAHASSEE, FL	BLANK0000071976	279.5
No	WATC-DT	D34	DT	LIC	ATLANTA, GA	BLANK0000107129	265.1
No	W34FO-D	D34	LD	CP	AUGUSTA, GA	BLANK0000071806	101.7
No	WXVK-LD	D34z	LD	LIC	Columbus, GA	BLANK0000115071	245.9
No	WXVK-LD	D34z	LD	CP	Columbus, GA	BLANK0000116354	246.0
Yes	WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK0000064103	145.4

No	W34EJ-D	D34	LD	CP	CORDELE, GA	BNPDTL20100510AAY	141.5
No	W34EN-D	D34	LD	CP	DALTON, GA	BDCCDTL20110721AAJ	360.3
No	W34FT-D	D34	LD	CP	WASHINGTON, GA	BNPDTL20090825BXG	148.4
No	W34FH-D	D34	LD	LIC	MARION, ETC., NC	BLANK0000086808	374.2
No	W34EP-D	D34	LD	LIC	SAPPHIRE VALLEY, ETC., NC	BLANK0000119380	299.5
No	W34DX-D	D34	LD	LIC	WEST ASHEVILLE, NC	BLDTT20130530AGK	353.3
No	WGWG	D34	DT	LIC	CHARLESTON, SC	BLCDT20060630ADJ	258.0
No	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	297.5
No	WVLT-TV	D34	DT	LIC	KNOXVILLE, TN	BLANK0000081956	422.7
No	WUVG-DT	D35	LD	LIC	ATHENS, GA	BLANK0000081844	199.2
No	W35DV-D	D35	LD	CP	AUGUSTA, GA	BLANK0000071990	101.7
No	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	107.1
No	WLTZ	D35	DT	LIC	COLUMBUS, GA	BLCDT20060627ABT	234.1
No	W35BB-D	D35	LD	LIC	DUBLIN, GA	BLDTL20141230AAP	47.9
No	W35DA-D	D35	LD	CP	MACON, GA	BNPDTL20100309ACC	115.3
No	WBVJ-CD	D35+	DC	CP	VALDOSTA, GA	BLANK0000035757	182.0
No	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	247.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D34
Mask: Stringent
Latitude: 32 25 11.20 N (NAD83)
Longitude: 82 23 27.00 W
Height AMSL: 82.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: DIE-TUA (ID 120649) 270.0 deg
Elev Pattn: Generic

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.015 kW	8.9 m	6.1 km
45.0	0.046	12.6	7.9

90.0	0.056	22.6	8.3
135.0	0.031	5.9	7.2
180.0	0.015	16.8	6.1
225.0	2.86	7.4	22.0
270.0	15.0	3.8	29.6
315.0	2.86	17.4	22.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 12 m

Distance to Canadian border: 1028.9 km

Distance to Mexican border: 1579.6 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 307.1 degrees Distance: 269.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 299.2 degrees Distance: 2209.8 km

Study cell size: 1.00 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%

Interference to BNPDTL20100510AHG CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W33DY-D	D33	LD	CP	SOPERTON, GA	BNPDTL20100510AHG	
Undesireds:	W44DT-D	D34	LD	APP	Soperton, GA		4.7 km
	WMEL-LD	D33	LD	CP	AUGUSTA, GA	BLANK0000074331	101.2

WGNM	D33	DT	LIC	MACON, GA	BLANK0000113679	111.3	
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
704.8 8,317	704.8 8,317		690.8 8,230		677.7 8,186		1.89 0.53
Undesired			Total IX	Unique IX, before	Unique IX, after		
W44DT-D D34 LD APP			13.1 44		13.1 44		
WMEL-LD D33 LD CP			1.0 35	1.0 35	1.0 35		
WGNM D33 DT LIC			13.1 52	13.1 52	13.1 52		

Interference to BLANK0000064103 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK0000064103	
Undesireds: W44DT-D	D34	LD	APP	Soperton, GA		145.4 km
WGNM	D33	DT	LIC	MACON, GA	BLANK0000113679	99.5
WBIH	D34	DT	LIC	SELMA, AL	BLANK0000110807	294.5
WATC-DT	D34	DT	LIC	ATLANTA, GA	BLANK0000107129	249.0
WBVJ-CD	D35+	DC	LIC	VALDOSTA, GA	BLANK0000004708	113.7

Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
11963.6 331,377	11861.0 330,571		11758.4 329,696		11758.4 329,696		0.00 0.00
Undesired			Total IX	Unique IX, before	Unique IX, after		
W44DT-D D34 LD APP			4.0 258		0.0 0		
WGNM D33 DT LIC			32.1 435	3.0 0	3.0 0		
WBIH D34 DT LIC			30.2 280	11.1 7	11.1 7		
WATC-DT D34 DT LIC			88.5 868	44.2 431	44.2 431		

Interference to proposal scenario 1
31.30% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: W44DT-D	D34	LD	APP	Soperton, GA		

Undesireds:	W33DY-D	D33	LD	CP	SOPERTON, GA	BNPDTL20100510AHG	4.7 km
	WXVK-LD	D34z	LD	LIC	Columbus, GA	BLANK00000115071	245.9
	WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK00000064103	145.4
	WGWG	D34	DT	LIC	CHARLESTON, SC	BLCDT20060630ADJ	258.0
	W35BB-D	D35	LD	LIC	DUBLIN, GA	BLDTL20141230AAP	47.9

Service area		Terrain-limited		IX-free		Percent IX	
824.5	9,207	801.4	9,039	673.0	6,210	16.03	31.30

Undesired		Total IX		Unique IX		Prcnt Unique IX	
W33DY-D D33 LD CP	123.5	2,825	108.4	2,727	13.53	30.17	
WSST-TV D34 DT LIC	4.0	12	0.0	0	0.00	0.00	
WGWG D34 DT LIC	9.0	62	2.0	0	0.25	0.00	
W35BB-D D35 LD LIC	12.0	86	2.0	4	0.25	0.04	