

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Soperton31d10kwTUA180T, Model: Longley-Rice

Start: 2021.06.01 08:30:38

Study created: 2021.06.01 08:30:38

Study build station data: LMS TV 2021-05-28

Proposal: W31FD-D D31 LD APP Soperton, GA

Facility ID: 186374

Station data: User record

Record ID: 2348

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	WGBP-TV	D30	DT	LIC	OPELIKA, AL	BLCDT20140827ABB	225.6 km
No	WAGT-CD	D30	DC	LIC	AUGUSTA, GA	BLANK0000063630	121.3
No	WMGT-TV	D30	DT	LIC	MACON, GA	BLANK0000075816	115.9
No	W30CV-D	D30	DC	CP	HILTON HEAD ISLAND, SC	BLANK0000127486	145.9
No	W30CV-D	D30	DC	LIC	HILTON HEAD ISLAND, SC	BLDTL20110110AAR	155.8
No	WAXC-LD	D31	LD	LIC	ALEXANDER CITY, AL	BLDTL20110329ABN	337.4
No	W31EB-D	D31	LD	CP	MIDLAND CITY, AL	BNPDTL20100510ALJ	319.7
No	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	413.4
No	WODH-LD	D31	LD	LIC	Jacksonville, FL	BLANK0000108060	250.8
No	K31PL-D	D31	LD	CP	MADISON, FL	BNPDTL20090825AHL	248.0
No	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	340.2
No	W31EP-D	D31	LD	CP	PANAMA CITY, FL	BLANK0000072005	396.6
No	W31DS-D	D31	LD	CP	ASHBURN, GA	BNPDTL20100510ABE	141.3
No	WPCH-TV	D31	DT	LIC	ATLANTA, GA	BLANK0000081575	238.1
No	WSB-TV	D31	LD	LIC	ATLANTA, GA	BLCDT20100429ADZ	212.1
No	W31EU-D	D31	LD	CP	COLUMBUS, GA	BLANK0000071968	271.6
No	WSWG	D31	DT	LIC	VALDOSTA, GA	BLANK0000063722	166.5
No	WMUB-LD	D31	LD	LIC	WARNER ROBINS, GA	BLANK0000135124	115.9

No	W31DH-D	D31	LD	LIC	FRANKLIN, ETC, NC	BLANK0000143463	334.8
No	WDKT-LD	N31-	TX	LIC	HENDERSONVILLE, NC	BLTTTL19940525JJ	313.8
No	WGHP	D31	DT	LIC	HIGH POINT, NC	BLANK0000116302	444.1
No	W31ER-D	D31	LD	CP	LUMBERTON, NC	BLANK0000071883	399.0
No	W31AN-D	D31	LD	LIC	MURPHY, NC	BLANK0000144221	332.1
No	W31EM-D	D31	LD	LIC	MYRTLE BEACH, SC	BLANK0000118241	337.8
No	WJNI-LD	D31	LD	LIC	NORTH CHARLESTON, SC	BLDTL20100916ADG	221.4
No	W31DY-D	D31	LD	LIC	PICKENS, SC	BLANK0000119379	280.3
No	WKTC	D31	DT	LIC	SUMTER, SC	BLANK0000093003	241.7
No	WBXX-TV	D31	DT	LIC	CROSSVILLE, TN	BLANK0000081641	447.4
No	W32FO-D	D32	LD	CP	ALBANY, GA	BLANK0000071975	188.8
No	WSB-TV	D32	DT	LIC	ATLANTA, GA	BLANK0000104824	236.7
No	W11DD-D	D32	LD	CP	HARTWELL & ROYSTON, GA	BLANK0000053811	216.4
No	W32FN-D	D32	LD	CP	MACON, GA	BLANK0000071800	115.9
No	W44DD-D	D32	LD	CP	VALDOSTA, GA	BLANK0000071821	166.5
No	WJWJ-TV	D32	DT	LIC	BEAUFORT, SC	BLANK0000100564	163.4
No	WSCG-LD	N32+	TX	LIC	BEAUFORT, ETC., SC	BLTT19970401JB	155.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31
 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: 10.0 kW
 Antenna: DIE-TUA (ID 120649) 180.0 deg
 Elev Pattn: Generic

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.037 kW	8.9 m	7.7 km
45.0	0.021	12.6	6.7

90.0	0.010	22.6	5.6
135.0	1.91	5.9	20.4
180.0	10.0	16.8	28.0
225.0	1.91	7.4	20.4
270.0	0.010	3.8	5.6
315.0	0.031	17.4	7.3

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 proposal scenario 1
3.50% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W31FD-D	D31	LD	APP	Soperton, GA		
Undesireds:	WPCH-TV	D31	DT	LIC	ATLANTA, GA	BLANK0000081575	238.1 km

WMUB-LD	D31	LD	LIC	WARNER ROBINS, GA	BLANK00000135124	115.9
WKTC	D31	DT	LIC	SUMTER, SC	BLANK00000093003	241.7

Service area	Terrain-limited	IX-free	Percent IX
718.9 23,120	703.8 22,224	692.8 21,447	1.57 3.50

Undesired	Total IX	Unique IX	Prcnt Unique IX
WPCH-TV D31 DT LIC	10.1 777	7.0 230	1.00 1.03
WMUB-LD D31 LD LIC	2.0 23	0.0 0	0.00 0.00
WKTC D31 DT LIC	2.0 524	1.0 0	0.14 0.00