tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Jans34d1900wDual170T, Model: Longley-Rice
Start: 2021.06.09 08:21:51

Study created: 2021.06.09 08:21:51

Study build station data: LMS TV 2021-06-09

    Proposal: W34FV-D D34 LD APP Soperton, GA
 Facility ID: 186375
Station data: User record
   Record ID: 23
     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	162.4 km
No	WUJF-LD	D33	LD	LIC	JACKSONVILLE, FL	BLDTL20130306ADL	209.3
No	W33DK-D	D33	LD	CP	ADEL, GA	BNPDTL20100510ABL	145.7
No	WMEL-LD	D33	LD	CP	AUGUSTA, GA	BLANK0000074331	144.8
No	WGNM	D33	DT	LIC	MACON, GA	BLANK0000113679	135.9
No	WDID-LD	D33	LD	LIC	SAVANNAH, GA	BLANK0000106516	102.9
No	W33DY-D	D33	LD	CP	SOPERTON, GA	BNPDTL20100510AHG	45.0
No	WRLK-TV	D33	DT	LIC	COLUMBIA, SC	BLANK0000111852	270.2
No	W34EU-D	D34	LD	CP	MIDLAND CITY, AL	BNPDTL20100510ALL	304.8
No	WBIH	D34	DT	LIC	SELMA, AL	BLANK0000110807	420.6
No	W34EC-D	D34	LD	CP	CHATTAHOOCHEE, FL	BNPDTL20090825AGO	282.1
No	WBXJ-CD	D34	DC	LIC	JACKSONVILLE, ETC., FL	BLANK0000108581	210.0
No	WUCF-TV	D34	DT	LIC	ORLANDO, FL	BLANK0000103415	400.6
No	W40BU	D34-	LD	CP	PANAMA CITY, FL	BLANK0000054799	364.5
No	W34FQ-D	D34	LD	CP	TALLAHASSEE, FL	BLANK0000071976	246.4
No	WATC-DT	D34	DT	LIC	ATLANTA, GA	BLANK0000107129	296.6
No	W34FO-D	D34	LD	CP	AUGUSTA, GA	BLANK0000071806	145.4
No	WXVK-LD	D34z	LD	LIC	Columbus, GA	BLANK0000115071	245.6

No	WXVK-LD	D34z	LD	CP	Columbus, GA	BLANK0000116354	250.7
No	WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK0000064103	132.5
No	W34EJ-D	D34	LD	CP	CORDELE, GA	BNPDTL20100510AAY	130.1
No	W34EN-D	D34	LD	CP	DALTON, GA	BDCCDTL20110721AAJ	393.5
No	W34FT-D	D34	LD	CP	WASHINGTON, GA	BNPDTL20090825BXG	191.3
No	W34EP-D	D34	LD	LIC	SAPPHIRE VALLEY,ETC., NC	BLANK0000119380	343.5
No	WGWG	D34	DT	LIC	CHARLESTON, SC	BLCDT20060630ADJ	273.0
No	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	338.6
No	WVLT-TV	D34	DT	LIC	KNOXVILLE, TN	BLANK0000081956	464.0
No	W35DV-D	D35	LD	CP	AUGUSTA, GA	BLANK0000071990	145.4
Yes	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	100.6
No	WLTZ	D35	DT	LIC	COLUMBUS, GA	BLCDT20060627ABT	237.9
No	W35BB-D	D35	LD	LIC	DUBLIN, GA	BLDTL20141230AAP	75.1
No	W35DA-D	D35	LD	CP	MACON, GA	BNPDTL20100309ACC	134.9
No	WBVJ-CD	D35+	DC	LIC	VALDOSTA, GA	BLANK0000004708	143.6
No	WBVJ-CD	D35+	DC	CP	VALDOSTA, GA	BLANK0000035757	143.6

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  1 22.00 N (NAD83)
  Longitude:  82 24 28.00 W
Height AMSL: 80.0 m
       HAAT: 0.0 m
   Peak ERP: 1.90 kW
    Antenna: DIE-TUA-P2 (ID 1000747) 170.0 deg
Elev Pattrn: Generic
```

50.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.72 kW	22.1 m	19.7 km
45.0	0.130	23.3	10.3
90.0	0.005	28.7	4.6

135.0	0.672	47.2	19.6
180.0	1.72	34.9	20.9
225.0	0.130	39.2	11.6
270.0	0.005	28.6	4.6
315.0	0.672	9.7	15.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 29 m

Distance to Canadian border: 1073.0 km

Distance to Mexican border: 1561.2 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 314.0 degrees Distance: 297.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 300.2 degrees Distance: 2230.3 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 BLCDT20071120AJC LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	
Undesireds:	W34FV-D	D34	LD	APP	Soperton, GA		100.6 km
	WBVJ-CD	D35+	DC	LIC	VALDOSTA, GA	BLANK0000004708	219.8
	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	301.7

	WFXG	D36	DT	LIC	AUGUSTA, GA		BLANK0000081277		159.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
30062.3	868,271	30050.3	868,245	30010.2	868,009	29943.6	866,922	0.22	0.13

Undesired	Total IX	Unique IX, before		Unique IX, after	
W34FV-D D34 LD APP	67.6	1,089		66.6	1,087
WMYA-TV D35 DT LIC	20.0	49	12.0	40	11.0	38
WFXG D36 DT LIC	28.0	196	20.0	187	20.0	187

Interference to BLCDT20071120AJC LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	
Undesireds:	W34FV-D	D34	LD	APP	Soperton, GA		100.6 km
	WBVJ-CD	D35+	DC	CP	VALDOSTA, GA	BLANK0000035757	219.8
	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	301.7
	WFXG	D36	DT	LIC	AUGUSTA, GA	BLANK0000081277	159.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
30062.3	868,271	30050.3	868,245	30009.2	868,009	29943.6	866,922	0.22	0.13

Undesired	Total IX	Unique IX, before		Unique IX, after	
W34FV-D D34 LD APP	67.6	1,089		65.6	1,087
WBVJ-CD D35+ DC CP	1.0	0	1.0	0	0.0	0
WMYA-TV D35 DT LIC	20.0	49	12.0	40	11.0	38
WFXG D36 DT LIC	28.0	196	20.0	187	20.0	187

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W34FV-D	D34	LD	APP	Soperton, GA		
Undesireds:	WXVK-LD	D34z	LD	LIC	Columbus, GA	BLANK0000115071	245.6 km

Service area		Terrain-limited		IX-free		Percent IX	
663.9	10,235	663.9	10,235	663.9	10,235	0.00	0.00