tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Augusta35d0.2kwinceltiat50ff, Model: Longley-Rice
Start: 2022.01.04 08:21:42

Study created: 2022.01.04 08:21:42

Study build station data: LMS TV 2022-01-04

    Proposal: W35DV-D D35 LD CP AUGUSTA, GA
 Facility ID: 185538
Station data: User record
   Record ID: 1495
     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	WATC-DT	D34	DT	LIC	ATLANTA, GA	BLANK0000107129	232.3 km
No	W34FO-D	D34	LD	CP	AUGUSTA, GA	BLANK0000071806	7.5
No	W34FO-D	D34	LD	APP	AUGUSTA, GA	BLANK0000177555	47.0
No	WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK0000064103	227.4
No	W34FX-D	D34	LD	CP	MONTROSE, GA	BLANK0000154775	151.7
No	W34FV-D	D34	LD	LIC	SOPERTON, GA	BLANK0000151230	170.9
No	W34FV-D	D34	LD	CP	SOPERTON, GA	BLANK0000151564	158.6
No	W34FT-D	D34	LD	CP	WASHINGTON, GA	BNPDTL20090825BXG	74.2
No	WGWG	D34	DT	LIC	CHARLESTON, SC	BLCDT20060630ADJ	228.0
No	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	193.3
No	WAWA-LD	D35	LD	CP	DOTHAN, AL	BLANK0000071951	396.6
No	WEAC-CD	D35	DC	LIC	JACKSONVILLE, AL	BLANK0000112954	351.4
No	W35DH-D	D35	LD	CP	GREENVILLE, FL	BLANK0000176836	344.6
No	W35DH-D	D35	LD	LIC	GREENVILLE, FL	BLANK0000178364	344.6
No	W35EC-D	D35	LD	CP	JENNINGS, FL	BLANK0000155518	320.7
No	WRCZ-LD	D35	LD	LIC	OCALA, FL	BLANK0000013902	345.0
No	WUVG-DT	D35	LD	LIC	ATHENS, GA	BLANK0000081844	141.6
No	WDTA-LD	D35	LD	LIC	ATLANTA, GA	BLANK0000126643	214.3
No	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	161.0
No	WLTZ	D35	DT	LIC	COLUMBUS, GA	BLCDT20060627ABT	278.5
No	W35BB-D	D35	LD	LIC	DUBLIN, GA	BLDTL20141230AAP	111.9

No	W35DA-D	D35	LD	CP	MACON, GA	BNPDTL20100309ACC	151.4
No	WBVJ-CD	D35+	DC	LIC	VALDOSTA, GA	BLANK0000004708	286.9
No	WBVJ-CD	D35+	DC	CP	VALDOSTA, GA	BLANK0000035757	286.9
No	W35DT-D	D35	LD	LIC	BEAVER DAM, NC	BLANK0000114227	245.1
No	W35CO-D	D35-	LD	LIC	BURNSVILLE, NC	BLANK0000137595	288.5
No	WFMY-TV	D35	DT	LIC	GREENSBORO, NC	BLANK0000113927	348.2
No	W35CK-D	D35	LD	LIC	HIGHLANDS, NC	BLANK0000130265	214.5
No	WTMV-LD	D35	LD	LIC	OGDEN, NC	BLANK0000058471	410.4
No	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	145.4
No	W35ED-D	D35	LD	LIC	FLORENCE, SC	BLANK0000177718	241.8
No	W35EB-D	D35	LD	CP	MYRTLE BEACH, SC	BLANK0000154531	301.9
No	W35EB-D	D35	LD	APP	MYRTLE BEACH, SC	BLANK0000176792	283.0
No	W35DZ-D	D35	LD	LIC	ALGOOD, TN	BLANK0000151672	365.8
No	W35DZ-D	D35	LD	CP	ALGOOD, TN	BLANK0000157621	356.1
No	WTCI	D35	DT	CP	CHATTANOOGA, TN	BLANK0000034751	358.2
No	WTCI	D35	DT	LIC	CHATTANOOGA, TN	BLANK0000144354	358.2
No	WCYB-TV	D35	LD	CP	BRISTOL, VA	BLANK0000054449	344.8
No	WCYB-TV	D35	DT	CP	BRISTOL, VA	BLANK0000153389	344.8
No	W36FL-D	D36	LD	CP	ATHENS, GA	BNPDTL20090825AER	87.7
No	WUPA	D36	DT	LIC	ATLANTA, GA	BLANK0000084466	214.0
No	WFXG	D36	DT	LIC	AUGUSTA, GA	BLANK0000081277	25.4
No	WGCB-LD	D36-	LD	LIC	HINESVILLE-RICHMOND, GA	BLANK0000080179	158.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D35
       Mask: Stringent
   Latitude:  33 20 50.00 N (NAD83)
  Longitude:  82  5 45.00 W
Height AMSL: 71.0 m
       HAAT: 0.0 m
   Peak ERP: 0.200 kW
    Antenna: ELTI-ELTI UHF Panel (ID 1008435) 50.0 deg
Elev Pattrn: Generic
```

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance

0.0 deg	0.030 kW	-38.3 m	7.1 km
45.0	0.191	4.1	11.2
90.0	0.056	19.3	8.3
135.0	0.000	-25.3	2.4
180.0	0.002	-31.4	3.5
225.0	0.000	-47.1	2.6
270.0	0.001	-56.7	3.1
315.0	0.000	-46.8	2.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -28 m

Distance to Canadian border: 926.2 km

Distance to Mexican border: 1647.5 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 284.0 degrees Distance: 249.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 296.8 degrees Distance: 2185.7 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%

Interference to proposal scenario 1
8.12% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W35DV-D	D35	LD	CP	AUGUSTA, GA		
Undesireds:	W34FO-D	D34	LD	CP	AUGUSTA, GA	BLANK0000071806	7.5 km

	WBVJ-CD	D35+	DC	LIC	VALDOSTA, GA	BLANK0000004708	286.9
	W35EB-D	D35	LD	CP	MYRTLE BEACH, SC	BLANK0000154531	301.9
	WFXG	D36	DT	LIC	AUGUSTA, GA	BLANK0000081277	25.4

Service area		Terrain-limited		IX-free		Percent IX	
114.3	61,868	94.4	48,688	86.4	44,733	8.42	8.12

Undesired	Total IX		Unique IX		Prcnt Unique IX	
W34FO-D D34 LD CP	3.0	2,748	0.0	0	0.00	0.00
WFXG D36 DT LIC	7.9	3,955	5.0	1,207	5.26	2.48

Interference to proposal scenario 2
8.12% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W35DV-D	D35	LD	CP	AUGUSTA, GA		
Undesireds:	WBVJ-CD	D35+	DC	LIC	VALDOSTA, GA	BLANK0000004708	286.9 km
	W35EB-D	D35	LD	CP	MYRTLE BEACH, SC	BLANK0000154531	301.9
	WFXG	D36	DT	LIC	AUGUSTA, GA	BLANK0000081277	25.4

Service area		Terrain-limited		IX-free		Percent IX	
114.3	61,868	94.4	48,688	86.4	44,733	8.42	8.12

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WFXG D36 DT LIC	7.9	3,955	7.9	3,955	8.42	8.12