tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: columbia35d8kwinteltat40f, Model: Longley-Rice
Start: 2021.08.23 15:26:16

Study created: 2021.08.23 15:26:15

Study build station data: LMS TV 2021-08-23

    Proposal: W35DV-D D35 LD CP AUGUSTA, GA
 File number: BLANK0000071990
 Facility ID: 185538
Station data: User record
   Record ID: 890
     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	246.5 km
No	W34FO-D	D34	LD	CP	AUGUSTA, GA	BLANK0000071806	43.5
No	WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK0000064103	263.8
No	W48EJ-D	D34	LD	APP	MONTROSE, GA	BLANK0000154775	185.5
No	W34FV-D	D34	LD	CP	SOPERTON, GA	BLANK0000151564	176.7
No	W34FT-D	D34	LD	CP	WASHINGTON, GA	BNPDTL20090825BXG	85.8
No	WGWG	D34	DT	LIC	CHARLESTON, SC	BLCDT20060630ADJ	213.1
No	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	157.3
No	WEAC-CD	D35	DC	LIC	JACKSONVILLE, AL	BLANK0000112954	372.8
No	W35EC-D	D35	LD	CP	JENNINGS, FL	BLANK0000155518	354.9
No	WRCZ-LD	D35	LD	LIC	OCALA, FL	BLANK0000013902	370.4
No	WUVG-DT	D35	LD	LIC	ATHENS, GA	BLANK0000081844	151.5
No	WDTA-LD	D35	LD	LIC	ATLANTA, GA	BLANK0000126643	233.2
No	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	179.1
No	WLTZ	D35	DT	LIC	COLUMBUS, GA	BLCDT20060627ABT	310.5
No	W35BB-D	D35	LD	LIC	DUBLIN, GA	BLDTL20141230AAP	148.4
No	W35DA-D	D35	LD	CP	MACON, GA	BNPDTL20100309ACC	185.2

No	WBVJ-CD	D35+	DC	LIC	VALDOSTA, GA	BLANK0000004708	322.2
No	WBVJ-CD	D35+	DC	CP	VALDOSTA, GA	BLANK0000035757	322.2
No	W35DT-D	D35	LD	LIC	BEAVER DAM, NC	BLANK0000114227	222.3
No	W35CO-D	D35-	LD	LIC	BURNSVILLE, NC	BLANK0000137595	263.1
No	WFMY-TV	D35	DT	LIC	GREENSBORO, NC	BLANK0000113927	311.8
No	W35CK-D	D35	LD	LIC	HIGHLANDS, NC	BLANK0000130265	203.6
No	WTMV-LD	D35	LD	LIC	OGDEN, NC	BLANK0000058471	380.8
Yes	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	122.8
No	W35EB-D	D35	LD	CP	MYRTLE BEACH, SC	BLANK0000154531	275.1
No	W35DZ-D	D35	LD	LIC	ALGOOD, TN	BLANK0000151672	357.7
No	W35DZ-D	D35	LD	CP	ALGOOD, TN	BLANK0000157621	344.8
No	WTCI	D35	DT	CP	CHATTANOOGA, TN	BLANK0000034751	362.2
No	WTCI	D35	DT	LIC	CHATTANOOGA, TN	BLANK0000144354	362.2
No	WCYB-TV	D35	LD	CP	BRISTOL, VA	BLANK0000054449	317.6
No	WCYB-TV	D35	DT	CP	BRISTOL, VA	BLANK0000153389	317.6
No	WJDW-LD	D35	LD	LIC	TAZEWELL, VA	BLDTL20110525ADU	400.1
No	W36FL-D	D36	LD	CP	ATHENS, GA	BNPDTL20090825AER	98.5
No	WUPA	D36	DT	LIC	ATLANTA, GA	BLANK0000084466	231.8
No	WFXG	D36	DT	LIC	AUGUSTA, GA	BLANK0000081277	20.4
No	WGCB-LD	D36-	LD	LIC	HINESVILLE-RICHMOND, GA	BLANK0000080179	176.7
No	NEW	D36	LD	APP	MACON, GA	BNPDTL20090825BSY	185.2
No	NEW	D36	LD	APP	WARNER ROBBINS, GA	BNPDTL20090825AEF	185.4
No	WUNE-TV	D36	DT	LIC	LINVILLE, NC	BLANK0000111606	273.8
No	WFXB	D36	DT	LIC	MYRTLE BEACH, SC	BLANK0000081825	254.1

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 36  1.00 N (NAD83)
  Longitude:  81 50 41.70 W
Height AMSL: 168.0 m
       HAAT: 0.0 m
   Peak ERP: 8.00 kW
```

Antenna: ELTI-ELTI UHF Panel (ID 1008435) 40.0 deg
Elev Pattrn: Generic

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.31 kW	3.8 m	20.9 km
45.0	7.64	29.0	26.5
90.0	1.08	39.4	19.8
135.0	0.013	46.0	7.1
180.0	0.056	60.5	11.8
225.0	0.014	59.6	8.3
270.0	0.044	33.6	8.2
315.0	0.025	27.6	6.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 37 m

Distance to Canadian border: 899.0 km

Distance to Mexican border: 1680.8 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 277.0 degrees Distance: 267.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 296.0 degrees Distance: 2194.1 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 BLANK0000120378 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	
Undesireds:	W35DV-D	D35	LD	CP	AUGUSTA, GA	BLANK0000071990	122.8 km
	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	116.3
	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	301.7
	WFMY-TV	D35	DT	LIC	GREENSBORO, NC	BLANK0000113927	259.1
	WTCI	D35	DT	CP	CHATTANOOGA, TN	BLANK0000034751	281.4
	WCYB-TV	D35	DT	CP	BRISTOL, VA	BLANK0000153389	200.8
	WFXG	D36	DT	LIC	AUGUSTA, GA	BLANK0000081277	142.5
	WUNE-TV	D36	DT	LIC	LINVILLE, NC	BLANK0000111606	162.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
25287.4	1,653,829	24602.2	1,580,710	24285.8	1,569,790	24269.9	1,569,640	0.07	0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
W35DV-D D35 LD CP	35.6	344				15.9	150
WNSC-TV D34 DT LIC	52.1	2,113		45.1	1,971	45.1	1,971
WSCG D35 DT LIC	68.2	410		27.7	187	19.8	120
WFMY-TV D35 DT LIC	97.9	5,596		74.9	4,576	74.9	4,576
WTCI D35 DT CP	1.0	0		0.0	0	0.0	0
WCYB-TV D35 DT CP	62.5	2,039		38.7	1,157	38.7	1,157
WFXG D36 DT LIC	65.2	333		27.7	251	27.7	251
WUNE-TV D36 DT LIC	43.8	1,731		40.8	1,542	40.8	1,542

Interference to BLANK0000120378 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	
Undesireds:	W35DV-D	D35	LD	CP	AUGUSTA, GA	BLANK0000071990	122.8 km
	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	116.3
	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	301.7
	WFMY-TV	D35	DT	LIC	GREENSBORO, NC	BLANK0000113927	259.1
	WTCI	D35	DT	CP	CHATTANOOGA, TN	BLANK0000034751	281.4

	WCYB-TV	D35	DT	BL	BRISTOL, VA	DTVBL2455	200.8
	WFXG	D36	DT	LIC	AUGUSTA, GA	BLANK0000081277	142.5
	WUNE-TV	D36	DT	LIC	LINVILLE, NC	BLANK0000111606	162.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
25287.4	1,653,829	24602.2	1,580,710	24287.8	1,569,878	24271.9	1,569,728	0.07	0.01

Undesired		Total IX	Unique IX, before		Unique IX, after	
W35DV-D D35 LD CP	35.6	344			15.9	150
WNSC-TV D34 DT LIC	52.1	2,113	45.1	1,971	45.1	1,971
WSCG D35 DT LIC	68.2	410	27.7	187	19.8	120
WFMY-TV D35 DT LIC	97.9	5,596	74.9	4,576	74.9	4,576
WTCI D35 DT CP	1.0	0	0.0	0	0.0	0
WCYB-TV D35 DT BL	58.6	1,949	36.7	1,069	36.7	1,069
WFXG D36 DT LIC	65.2	333	27.7	251	27.7	251
WUNE-TV D36 DT LIC	43.8	1,731	40.8	1,542	40.8	1,542

Interference to BLANK0000120378 LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	
Undesireds:	W35DV-D	D35	LD	CP	AUGUSTA, GA	BLANK0000071990	122.8 km
	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	116.3
	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	301.7
	WFMY-TV	D35	DT	LIC	GREENSBORO, NC	BLANK0000113927	259.1
	WTCI	D35	DT	LIC	CHATTANOOGA, TN	BLANK0000144354	281.4
	WCYB-TV	D35	DT	CP	BRISTOL, VA	BLANK0000153389	200.8
	WFXG	D36	DT	LIC	AUGUSTA, GA	BLANK0000081277	142.5
	WUNE-TV	D36	DT	LIC	LINVILLE, NC	BLANK0000111606	162.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
25287.4	1,653,829	24602.2	1,580,710	24285.8	1,569,790	24269.9	1,569,640	0.07	0.01

Undesired		Total IX	Unique IX, before		Unique IX, after	
W35DV-D D35 LD CP	35.6	344			15.9	150
WNSC-TV D34 DT LIC	52.1	2,113	45.1	1,971	45.1	1,971

WSCG D35 DT LIC	68.2	410	27.7	187	19.8	120
WFMY-TV D35 DT LIC	97.9	5,596	74.9	4,576	74.9	4,576
WTCI D35 DT LIC	1.0	0	0.0	0	0.0	0
WCYB-TV D35 DT CP	62.5	2,039	38.7	1,157	38.7	1,157
WFXG D36 DT LIC	65.2	333	27.7	251	27.7	251
WUNE-TV D36 DT LIC	43.8	1,731	40.8	1,542	40.8	1,542

Interference to BLANK0000120378 LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	
Undesireds:	W35DV-D	D35	LD	CP	AUGUSTA, GA	BLANK0000071990	122.8 km
	WNSC-TV	D34	DT	LIC	ROCK HILL, SC	BLANK0000105822	116.3
	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	301.7
	WFMY-TV	D35	DT	LIC	GREENSBORO, NC	BLANK0000113927	259.1
	WTCI	D35	DT	LIC	CHATTANOOGA, TN	BLANK0000144354	281.4
	WCYB-TV	D35	DT	BL	BRISTOL, VA	DTVBL2455	200.8
	WFXG	D36	DT	LIC	AUGUSTA, GA	BLANK0000081277	142.5
	WUNE-TV	D36	DT	LIC	LINVILLE, NC	BLANK0000111606	162.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
25287.4	1,653,829	24602.2	1,580,710	24287.8	1,569,878	24271.9	1,569,728	0.07	0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
W35DV-D D35 LD CP	35.6	344				15.9	150
WNSC-TV D34 DT LIC	52.1	2,113	45.1	1,971	45.1	1,971	
WSCG D35 DT LIC	68.2	410	27.7	187	19.8	120	
WFMY-TV D35 DT LIC	97.9	5,596	74.9	4,576	74.9	4,576	
WTCI D35 DT LIC	1.0	0	0.0	0	0.0	0	
WCYB-TV D35 DT BL	58.6	1,949	36.7	1,069	36.7	1,069	
WFXG D36 DT LIC	65.2	333	27.7	251	27.7	251	
WUNE-TV D36 DT LIC	43.8	1,731	40.8	1,542	40.8	1,542	

Interference to proposal scenario 1
17.14% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W35DV-D	D35	LD	CP	AUGUSTA, GA	BLANK0000071990	
Undesireds:	WSCG	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	179.1 km
	WMYA-TV	D35	DT	LIC	ANDERSON, SC	BLANK0000120378	122.8
	WFXG	D36	DT	LIC	AUGUSTA, GA	BLANK0000081277	20.4

Service area		Terrain-limited		IX-free		Percent IX	
761.5	49,599	750.6	48,357	588.3	40,070	21.62	17.14

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WSCG D35 DT LIC	9.9	77	1.0	1	0.13	0.00
WMYA-TV D35 DT LIC	14.8	1,368	2.0	8	0.26	0.02
WFXG D36 DT LIC	156.4	8,264	140.5	6,856	18.72	14.18