

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: ashburn33d8kwinceltiat90f, Model: Longley-Rice

Start: 2021.09.24 10:40:43

Study created: 2021.09.24 10:40:43

Study build station data: LMS TV 2021-09-24

Proposal: W31DS-D D33 LD CP ASHBURN, GA

Facility ID: 186159

Station data: User record

Record ID: 1152

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	WANX-LP	N19+	TX	LIC	COLUMBUS, GA	BLTTTL20070813AAT	115.8 km
No	WXVK-LD	N30z	TX	LIC	Columbus, GA	BLTTTL19960628JF	112.6
No	WAXC-LD	D32	LD	CP	ALEXANDER CITY, AL	BDISDTL20120831ABQ	227.1
No	W32FJ-D	D32	LD	CP	MONTGOMERY, AL	BLANK0000073393	220.5
No	WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	164.8
Yes	W32FO-D	D32	LD	CP	ALBANY, GA	BLANK0000071975	21.6
No	WSB-TV	D32	DT	LIC	ATLANTA, GA	BLANK0000153268	227.4
No	W32FV-D	D32	LD	CP	COLUMBUS, GA	BLANK0000157650	116.0
No	W32FT-D	D32	LD	CP	CORDELE, GA	BLANK0000155335	29.2
No	W32FN-D	D32	LD	CP	MACON, GA	BLANK0000071800	120.5
No	W44DD-D	D32	LD	CP	VALDOSTA, GA	BLANK0000071821	86.7
No	WPXH-TV	D33	DT	LIC	HOOVER, AL	BLANK0000105366	327.2
No	DDWMOE-LD	D33-	LD	APP	MOBILE, AL	BLANK0000053801	369.7
No	WFRZ-LD	D33	LD	LIC	MONTGOMERY, AL	BLANK0000081666	220.6
No	WDFX-TV	D33	DT	CP	OZARK, AL	BLANK0000035653	165.1
No	WDFX-TV	D33	DT	LIC	OZARK, AL	BLCDT20050915APH	165.1
No	WXCK-LD	D33	LD	LIC	CHIEFLAND, FL	BLANK0000151345	276.8
No	WXCK-LD	N33	TX	LIC	CHIEFLAND, FL	BLTTTL19960415IC	276.8

No	W33DJ-D	D33	LD	CP	DESTIN, FL	BLANK0000071526	272.4
No	WUJF-LD	D33	LD	LIC	JACKSONVILLE, FL	BLDTL20130306ADL	281.9
No	WUJF-LD	D33	LD	CP	JACKSONVILLE, FL	BLANK0000158046	282.6
No	W33EN-D	D33	LD	CP	MADISON, FL	BNPDTL20090825AHE	152.5
No	WOFL	D33	DT	LIC	ORLANDO, FL	BLANK0000145405	446.6
No	WPCT	D33	DT	LIC	PANAMA CITY BEACH, FL	BLANK0000062892	243.5
No	WNXG-LD	D33	LD	LIC	TALLAHASSEE, FL	BLANK0000129630	131.4
No	W33EO-D	D33	LD	CP	TALLAHASSEE, FL	BNPDTL20090825ALP	141.8
No	WIRE-CD	D33	DC	LIC	ATLANTA, GA	BLANK0000130086	225.2
No	W33ER-D	D33	LD	CP	AUGUSTA, GA	BLANK0000155485	251.6
Yes	W33ES-D	D33	LD	CP	CHULA, GA	BLANK0000157722	47.2
No	WCAC-LD	D33	LD	LIC	LAGRANGE, GA	BLDTL20130411AAA	175.2
Yes	WGNM	D33	DT	LIC	MACON, GA	BLANK0000113679	120.5
No	WDID-LD	D33	LD	LIC	SAVANNAH, GA	BLANK0000106516	254.8
No	WRLK-TV	D33	DT	LIC	COLUMBIA, SC	BLANK0000111852	388.3
No	WNGS-LD	D33	LD	LIC	GREENVILLE, SC	BLANK0000059653	384.4
No	WPDP-CD	D33-	DC	LIC	CLEVELAND, TN	BLANK0000081661	381.6
No	W34EC-D	D34	LD	CP	CHATTAHOOCHEE, FL	BNPDTL20090825AGO	150.7
No	W34FW-D	D34	LD	LIC	JASPER, FL	BLANK0000158188	178.6
No	W40BU	D34-	LD	CP	PANAMA CITY, FL	BLANK0000054799	225.7
No	WATC-DT	D34	DT	LIC	ATLANTA, GA	BLANK0000107129	261.9
No	WXVK-LD	D34z	LD	LIC	Columbus, GA	BLANK0000115071	111.4
No	WXVK-LD	D34z	LD	CP	Columbus, GA	BLANK0000116354	128.8
No	WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK0000064103	24.1
No	W34EJ-D	D34	LD	CP	CORDELE, GA	BNPDTL20100510AAY	29.2
No	W34FX-D	D34	LD	CP	MONTROSE, GA	BLANK0000154775	118.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D33
Mask: Stringent
Latitude: 31 44 33.40 N (NAD83)
Longitude: 83 59 17.70 W
Height AMSL: 92.4 m

HAAT: 0.0 m
Peak ERP: 8.00 kW
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 90.0 deg
Elev Pattn: Generic

50.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.007 kW	14.2 m	5.0 km
45.0	1.71	9.7	19.7
90.0	8.00	6.4	26.8
135.0	1.61	11.7	19.5
180.0	0.006	18.2	4.9
225.0	0.061	17.6	8.6
270.0	0.020	14.1	6.6
315.0	0.043	5.0	7.9

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

Distance to Canadian border: 1110.3 km

Distance to Mexican border: 1411.6 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 343.9 degrees Distance: 245.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 302.0 degrees Distance: 2118.6 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 BLANK0000071975 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32FO-D	D32	LD	CP	ALBANY, GA	BLANK0000071975	
Undesireds:	W31DS-D	D33	LD	CP	ASHBURN, GA		21.6 km
	WSWG	D31	DT	LIC	VALDOSTA, GA	BLANK0000063722	88.4
	WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	145.2
	WSB-TV	D32	DT	LIC	ATLANTA, GA	BLANK00000153268	241.0
	W32FV-D	D32	LD	CP	COLUMBUS, GA	BLANK00000157650	117.7
	W32FT-D	D32	LD	CP	CORDELE, GA	BLANK00000155335	50.8
	W44DD-D	D32	LD	CP	VALDOSTA, GA	BLANK0000071821	88.4
	W33ES-D	D33	LD	CP	CHULA, GA	BLANK00000157722	40.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	2783.5	135,454	2783.5	135,454	2610.5	134,387	1.63 0.10
Undesired					Total IX	Unique IX, before	Unique IX, after
W31DS-D D33 LD CP		63.7			157	42.5	129
WFSU-TV D32 DT LIC		154.7			482	115.3	419
WSB-TV D32 DT LIC		2.0			20	0.0	0
W32FV-D D32 LD CP		2.0			145	0.0	0
W32FT-D D32 LD CP		36.4			43	0.0	0
W44DD-D D32 LD CP		17.2			456	16.2	311
W33ES-D D33 LD CP		4.1			145	1.0	0

Interference to BLANK0000157722 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W33ES-D	D33	LD	CP	CHULA, GA	BLANK0000157722	
Undesireds:	W31DS-D	D33	LD	CP	ASHBURN, GA		47.2 km
	W32FO-D	D32	LD	CP	ALBANY, GA	BLANK0000071975	40.7
	WDFX-TV	D33	DT	CP	OZARK, AL	BLANK0000035653	167.0
	WXCK-LD	D33	LD	LIC	CHIEFLAND, FL	BLANK0000151345	230.3

WUJF-LD	D33	LD	LIC	JACKSONVILLE, FL	BLDTL20130306ADL	248.0
WNXG-LD	D33	LD	LIC	TALLAHASSEE, FL	BLANK0000129630	90.2
WXVK-LD	D34z	LD	LIC	Columbus, GA	BLANK0000115071	148.9
WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK0000064103	62.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
7432.9 272,685	7432.9 272,685	7192.4 267,660	6896.8 266,757	4.11 0.34

Undesired	Total IX	Unique IX, before	Unique IX, after
W31DS-D D33 LD CP 301.6	918	295.5 903	
W32FO-D D32 LD CP 6.1	1,027	6.1 1,027	
WNXG-LD D33 LD LIC 226.4	3,981	226.4 3,981	
WSST-TV D34 DT LIC 8.1	17	8.1 17	2.0 2

Interference to BLANK0000113679 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WGNM	D33	DT	LIC	MACON, GA	BLANK0000113679	
Undesireds: W31DS-D	D33	LD	CP	ASHBURN, GA		120.5 km
WSB-TV	D32	DT	LIC	ATLANTA, GA	BLANK0000153268	133.9
WPXH-TV	D33	DT	LIC	HOOVER, AL	BLANK0000105366	312.6
WDFX-TV	D33	DT	CP	OZARK, AL	BLANK0000035653	259.7
WIRE-CD	D33	DC	LIC	ATLANTA, GA	BLANK0000130086	132.0
WRLK-TV	D33	DT	LIC	COLUMBIA, SC	BLANK0000111852	286.0
WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK0000064103	99.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
19541.2 744,848	19416.5 743,286	19319.6 737,897	19315.5 737,897	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W31DS-D D33 LD CP 4.0	0	4.0 0	
WSB-TV D32 DT LIC 11.9	1,448	0.0 0	0.0 0
WPXH-TV D33 DT LIC 3.0	105	1.0 86	1.0 86
WDFX-TV D33 DT CP 10.0	219	9.0 28	9.0 28
WIRE-CD D33 DC LIC 48.7	4,442	34.8 2,784	34.8 2,784
WRLK-TV D33 DT LIC 8.0	249	8.0 249	8.0 249

WSST-TV D34 DT LIC	30.2	584	30.2	584	30.2	584
--------------------	------	-----	------	-----	------	-----

Interference to BLANK0000113679 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGNM	D33	DT	LIC	MACON, GA	BLANK0000113679	
Undesireds:	W31DS-D	D33	LD	CP	ASHBURN, GA		120.5 km
	WSB-TV	D32	DT	LIC	ATLANTA, GA	BLANK0000153268	133.9
	WPXH-TV	D33	DT	LIC	HOOVER, AL	BLANK0000105366	312.6
	WIRE-CD	D33	DC	LIC	ATLANTA, GA	BLANK0000130086	132.0
	WRLK-TV	D33	DT	LIC	COLUMBIA, SC	BLANK0000111852	286.0
	WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK0000064103	99.5
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	19541.2	744,848	19416.5	743,286	19328.6	737,925	0.02 0.00
Undesired			Total IX		Unique IX, before		Unique IX, after
W31DS-D D33 LD CP	4.0		0		4.0		0
WSB-TV D32 DT LIC	11.9		1,448		0.0		0
WPXH-TV D33 DT LIC	3.0		105		1.0		86
WIRE-CD D33 DC LIC	48.7		4,442		35.8		2,975
WRLK-TV D33 DT LIC	8.0		249		8.0		249
WSST-TV D34 DT LIC	30.2		584		30.2		584

Interference to proposal scenario 1
58.93% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W31DS-D	D33	LD	CP	ASHBURN, GA		
Undesireds:	WDFX-TV	D33	DT	CP	OZARK, AL	BLANK0000035653	165.1 km
	WXCK-LD	D33	LD	LIC	CHIEFLAND, FL	BLANK0000151345	276.8
	WUJF-LD	D33	LD	LIC	JACKSONVILLE, FL	BLDTL20130306ADL	281.9
	W33ES-D	D33	LD	CP	CHULA, GA	BLANK0000157722	47.2
	WGNM	D33	DT	LIC	MACON, GA	BLANK0000113679	120.5

WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK0000064103	24.1
---------	-----	----	-----	-------------	-----------------	------

Service area		Terrain-limited		IX-free	Percent IX
674.8	3,338	674.8	3,338	344.0	1,371
				49.03	58.93

Undesired		Total IX		Unique IX	Prcnt Unique IX
WDFX-TV D33 DT CP	2.0	0	0.0	0	0.00
W33ES-D D33 LD CP	321.8	1,951	292.5	1,745	43.34
WGNM D33 DT LIC	1.0	0	0.0	0	0.00
WSST-TV D34 DT LIC	38.4	222	9.1	16	1.35

Interference to proposal scenario 2
58.93% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W31DS-D	D33	LD	CP	ASHBURN, GA		
Undesireds:	WXCK-LD	D33	LD	LIC	CHIEFLAND, FL	BLANK0000151345	276.8 km
	WUJF-LD	D33	LD	LIC	JACKSONVILLE, FL	BLDTL20130306ADL	281.9
	W33ES-D	D33	LD	CP	CHULA, GA	BLANK0000157722	47.2
	WGNM	D33	DT	LIC	MACON, GA	BLANK0000113679	120.5
	WSST-TV	D34	DT	LIC	CORDELE, GA	BLANK0000064103	24.1

Service area		Terrain-limited		IX-free	Percent IX
674.8	3,338	674.8	3,338	344.0	1,371
				49.03	58.93

Undesired		Total IX		Unique IX	Prcnt Unique IX
W33ES-D D33 LD CP	321.8	1,951	292.5	1,745	43.34
WGNM D33 DT LIC	1.0	0	0.0	0	0.00
WSST-TV D34 DT LIC	38.4	222	9.1	16	1.35