

Note:
Study cell size: 1.00 km
Profile point spacing: 0.10 km

tvstudy v2.2.5 (4uoc83)
 Database: localhost, Study: WDRJ_Ch32_4x2_320deg_Hgt_Pre, Model: Longley-Rice
 Start: 2019.04.18 20:21:59

Study created: 2019.04.18 20:14:25

Study build station data: LMS TV 2019-04-18

Proposal: WDRJ-LD D32 LD APP ALBANY, GA
 File number: WDRJ_Ch32_4x2_320deg_Hgt
 Facility ID: 184718
 Station data: User record
 Record ID: 886
 Country: U.S.

Build options:
 Protect pre-transition records not on baseline channel
 Protect baseline records from LPTV

Search options:
 Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W30BD	N30z	TX	LIC	EUFAULA, AL	BLTTL19960628JF	110.4 km
No	W31EB-D	D31	LD	CP	MIDLAND CITY, AL	BNPDTL20100510ALJ	132.9
No	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	262.0
No	K31PL-D	D31	LD	CP	MADISON, FL	BNPDTL20090825AHL	126.4
No	WDDM-LD	D31	LD	LIC	TALLAHASSEE, FL	BLANK0000001335	129.2
No	W31DS-D	D31	LD	CP	ASHBURN, GA	BNPDTL20100510ABE	55.5
No	WPCH-TV	D31	DT	CP	ATLANTA, GA	BLANK0000025264	263.2
No	WDMA-CD	D31	DC	LIC	MACON, GA	BLDTA20140602AAA	161.1
Yes	WSWG	D31	DT	LIC	VALDOSTA, GA	BLANK0000063722	78.8
No	W31EE-D	D31	LD	CP	VALDOSTA, GA	BNPDTL20090825CAJ	102.6
No	WMUB-LD	D31	LD	CP	WARNER ROBINS, GA	BLANK0000054344	156.2
No	WAXC-LD	D32	LD	CP	ALEXANDER CITY, AL	BDISDTL20120831ABQ	238.4
No	WAAO-LD	D32	LD	CP	ANDALUSIA, AL	BLANK0000053714	222.0
No	W50BO	D32+	LD	CP	ASHVILLE, AL	BLANK0000054790	326.0
No	WBMA-LD	D32	LD	CP	BIRMINGHAM, AL	BLANK0000052973	340.4
No	WAAY-TV	D32	DT	LIC	HUNTSVILLE, AL	BLCDT20050701ABO	428.7
No	WMJN-LD	D32	LD	CP	Somerville, AL	BLANK0000054506	428.7
No	W32EQ-D	D32	LD	CP	TUSCALOOSA, AL	BLANK0000010947	421.3
No	W40CQ-D	D32	LD	CP	ALACHUA, ETC., FL	BLANK0000053910	250.9
No	WHLV-TV	D32	DT	CP	COCOA, FL	BLANK0000034686	432.5
No	W50CO	D32-	LD	CP	JACKSONVILLE, FL	BLANK0000052065	268.2
No	WFOX-TV	D32	DT	LIC	JACKSONVILLE, FL	BLCDT20030328ANQ	276.5
No	W32ER-D	D32	LD	CP	MADISON, FL	BNPDTL20100513ALM	148.7
No	W40CU-D	D32	LD	CP	ST. PETERSBURG, FL	BLANK0000054774	421.1
Yes	WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	129.2
Yes	WSB-TV	D32	DT	CP	ATLANTA, GA	BLANK0000034812	258.6
No	WSB-TV	D32	LD	CP	ATLANTA, GA	BLANK0000054736	299.0
No	WDYH-LD	D32	LD	CP	AUGUSTA, GA	BLANK0000051602	307.4
No	W32DU-D	D32	LD	CP	Columbus, GA	BLANK0000009479	180.4
No	W32DU-D	D32	LD	LIC	Columbus, GA	BLDTL20140226AGL	187.3
No	W11DD-D	D32	LD	CP	HARTWELL & ROYSTON, GA	BLANK0000053811	337.6
No	W41DR-D	D32	LD	APP	MACON, GA	BLANK0000071800	156.2
Yes	WPGA-TV	D32	DT	LIC	PERRY, GA	BLCDT20071213AAD	154.9
No	W44DD-D	D32	LD	APP	VALDOSTA, GA	BLANK0000071821	78.8
No	WJWJ-TV	D32	DT	CP	BEAUFORT, SC	BLANK0000025030	354.0
No	W14EP-D	N32+	TX	LIC	BEAUFORT, ETC., SC	BLTT19970401JB	337.2
No	WRLK-TV	D32	DT	LIC	COLUMBIA, SC	BLEDT20090622ADI	421.1
No	WFRZ-LD	D33	LD	CP	MONTGOMERY, AL	BLANK0000053015	222.0
No	WDFX-TV	D33	DT	APP	OZARK, AL	BLANK0000035653	143.2
No	WDFX-TV	D33	DT	LIC	OZARK, AL	BLCDT20050915APH	143.2
No	NEW	D33	LD	APP	MADISON, FL	BNPDTL20090825AHE	126.4
No	W33DA-D	D33	LD	CP	PANAMA CITY, FL	BLANK0000011495	191.6
No	WPCT	D33	DT	LIC	PANAMA CITY BEACH, FL	BLANK0000062892	211.0
No	WUFX-LD	D33	LD	CP	TALLAHASSEE, FL	BLANK0000052521	97.1

No	NEW	D33	LD	APP	TALLAHASSEE, FL	BNPDTL20090825ALP	106.9
No	W33DK-D	D33	LD	CP	ADEL, GA	BNPDTL20100510ABL	84.8
No	W33DU-D	D33	LD	CP	COLUMBUS, GA	BLANK0000013297	115.5
No	WJCN-LD	D33	LD	LIC	LAGRANGE, GA	BLDTL20130411AAA	197.3
No	WGNM	D33	DT	CP	MACON, GA	BLANK0000025320	156.2
No	WJDO-LD	D33	LD	CP	MACON, GA	BNPDTL20090825AWC	154.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

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Channel: D32
Mask: Full Service
Latitude: 31 26 44.10 N (NAD83)
Longitude: 84 7 52.70 W
Height AMSL: 158.2 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: SIRA 4x2 320.0 deg
Elev Pattn: Generic

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50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	11.9 kW	100.0 m	42.2 km
45.0	5.39	90.4	37.1
90.0	0.185	75.3	17.8
135.0	0.056	81.1	13.6
180.0	0.060	98.6	15.4
225.0	2.51	110.2	35.4
270.0	14.6	101.8	43.4
315.0	13.7	101.4	43.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 95 m

Distance to Canadian border: 1144.5 km

Distance to Mexican border: 1386.1 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 348.5 degrees Distance: 274.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 302.8 degrees Distance: 2124.9 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 BLANK0000063722 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSWG	D31	DT	LIC	VALDOSTA, GA	BLANK0000063722	
Undesireds:	WDRJ-LD	D32	LD	APP	ALBANY, GA	WDRJ_Ch32_4x2_320deg_H	78.8 km
	WVUP-CD	D30	DC	CP	TALLAHASSEE, FL	BLANK0000025327	103.8
	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	340.6
	WOGX	D31	DT	LIC	OCALEA, FL	BLCDT20020730ABS	224.7
	WPCH-TV	D31	DT	CP	ATLANTA, GA	BLANK0000025264	306.8
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	15174.2	381,119	15153.9	381,044	15098.2	380,253	15083.0 380,035 0.10 0.06
Undesired			Total IX	Unique IX, before		Unique IX, after	
WDRJ-LD D32 LD APP			17.2	218		15.2	218

WVUP-CD D30 DC CP	22.3	455	22.3	455	22.3	455
WNCN D31 DT LIC	15.2	245	7.1	109	6.1	109
WOGX D31 DT LIC	2.0	0	1.0	0	1.0	0
WPCH-TV D31 DT CP	25.3	227	17.2	91	17.2	91

Interference to BLEDT20030730ACW LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	
Undesireds:	WDRJ-LD	D32	LD	APP	ALBANY, GA	WDRJ_Ch32_4x2_320deg_H	129.2 km
	WDFX-TV	D33	DT	APP	OZARK, AL	BLANK0000035653	134.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25382.8	575,093	25363.8	574,927	25362.8	574,899	25079.6	1.12 0.30
Undesired		Total IX		Unique IX, before		Unique IX, after	
WDRJ-LD D32 LD APP	283.2	1,742			283.2	1,742	
WDFX-TV D33 DT APP	1.0	28	1.0	28	1.0	28	

Interference to BLEDT20030730ACW LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	
Undesireds:	WDRJ-LD	D32	LD	APP	ALBANY, GA	WDRJ_Ch32_4x2_320deg_H	129.2 km
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25382.8	575,093	25363.8	574,927	25363.8	574,927	25080.6	1.12 0.30
Undesired		Total IX		Unique IX, before		Unique IX, after	
WDRJ-LD D32 LD APP	283.2	1,742			283.2	1,742	

Interference to BLANK0000034812 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSB-TV	D32	DT	CP	ATLANTA, GA	BLANK0000034812	
Undesireds:	WDRJ-LD	D32	LD	APP	ALBANY, GA	WDRJ_Ch32_4x2_320deg_H	258.6 km
	WPCH-TV	D31	DT	CP	ATLANTA, GA	BLANK0000025264	5.2
	WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	379.3
	WAXN-TV	D32	DT	CP	KANNAPOLIS, NC	BLANK0000034696	372.1
	WNPX-TV	D32	DT	APP	COOKEVILLE, TN	BLANK0000068415	372.7
	WIRE-CD	D33	DC	CP	ATLANTA, GA	BLANK0000025104	2.2
	WGNM	D33	DT	CP	MACON, GA	BLANK0000025320	133.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
30398.3	5,898,752	29157.7	5,813,636	28947.2	5,789,223	28947.2	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WDRJ-LD D32 LD APP	4.0	172			0.0	0	
WPCH-TV D31 DT CP	36.8	17,006	36.8	17,006	36.8	17,006	
WFSU-TV D32 DT LIC	17.0	2,523	16.0	2,523	13.0	2,351	
WAXN-TV D32 DT CP	2.0	1,047	2.0	1,047	2.0	1,047	
WNPX-TV D32 DT APP	12.1	1,128	12.1	1,128	12.1	1,128	
WIRE-CD D33 DC CP	1.0	190	1.0	190	1.0	190	
WGNM D33 DT CP	142.7	2,519	141.7	2,519	141.7	2,519	

Interference to BLANK0000034812 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSB-TV	D32	DT	CP	ATLANTA, GA	BLANK0000034812	
Undesireds:	WDRJ-LD	D32	LD	APP	ALBANY, GA	WDRJ_Ch32_4x2_320deg_H	258.6 km
	WPCH-TV	D31	DT	CP	ATLANTA, GA	BLANK0000025264	5.2
	WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	379.3
	WAXN-TV	D32	DT	CP	KANNAPOLIS, NC	BLANK0000034696	372.1
	WNPX-TV	D32	DT	CP	COOKEVILLE, TN	BLANK0000034404	355.7
	WIRE-CD	D33	DC	CP	ATLANTA, GA	BLANK0000025104	2.2
	WGNM	D33	DT	CP	MACON, GA	BLANK0000025320	133.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
30398.3 5,898,752	29157.7 5,813,636	28930.2 5,788,693	28930.2 5,788,693	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WDRJ-LD D32 LD APP 4.0	172		0.0 0
WPCH-TV D31 DT CP 36.8	17,006	36.8 17,006	
WFSU-TV D32 DT LIC 17.0	2,523	16.0 2,523	13.0 2,351
WAXN-TV D32 DT CP 2.0	1,047	2.0 1,047	2.0 1,047
WNPX-TV D32 DT CP 29.1	1,658	29.1 1,658	29.1 1,658
WIRE-CD D33 DC CP 1.0	190	1.0 190	1.0 190
WGNM D33 DT CP 142.7	2,519	141.7 2,519	141.7 2,519

Interference to BLCDT20071213AAD LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPGA-TV	D32	DT	LIC	PERRY, GA	BLCDT20071213AAD	

Undesireds:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDRJ-LD	D32	LD	APP	ALBANY, GA	WDRJ_Ch32_4x2_320deg_H	154.9 km
	WDMA-CD	D31	DC	LIC	MACON, GA	BLDTA20140602AAA	14.6
	WFOX-TV	D32	DT	LIC	JACKSONVILLE, FL	BLCDT20030328ANQ	332.9
	WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	284.0
	WRLK-TV	D32	DT	LIC	COLUMBIA, SC	BLEDT20090622ADI	286.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
13471.4 559,375	13393.5 557,131	13319.3 554,970	13307.3 554,962	0.09 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WDRJ-LD D32 LD APP 38.2	996		12.0 8
WDMA-CD D31 DC LIC 13.0	845	13.0 845	13.0 845
WFOX-TV D32 DT LIC 8.0	0	4.0 0	4.0 0
WFSU-TV D32 DT LIC 45.2	951	42.2 951	19.1 269
WRLK-TV D32 DT LIC 14.0	365	10.0 365	7.0 59

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDRJ-LD	D32	LD	APP	ALBANY, GA	WDRJ_Ch32_4x2_320deg_H	

Undesireds:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	129.2 km
	W32DU-D	D32	LD	CP	Columbus, GA	BLANK0000009479	180.4
	W44DD-D	D32	LD	APP	VALDOSTA, GA	BLANK0000071821	78.8
	WDFX-TV	D33	DT	APP	OZARK, AL	BLANK0000035653	143.2

Service area	Terrain-limited	IX-free	Percent IX
3477.2 139,383	3477.2 139,383	3422.3 138,884	1.58 0.36

Undesired	Total IX	Unique IX	Prct Unique IX
WFSU-TV D32 DT LIC 51.8	483	51.8 483	1.49 0.35
W44DD-D D32 LD APP 3.0	16	3.0 16	0.09 0.01