tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: JackFL22dFP, Model: Longley-Rice
Start: 2018.05.21 14:36:42

Study created: 2018.05.21 14:36:42

Study build station data: LMS TV 2018-05-18

    Proposal: WUBF-LD D22 LD APP JACKSONVILLE, FL
 Facility ID: 68750
Station data: User record
   Record ID: 752
     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	WDYB-CD	D21	DC	CP	DAYTONA BEACH, FL	BLANK0000034903	149.4 km
No	NEW	D21	LD	APP	GAINESVILLE, FL	BNPDTL20090825AOI	129.8
No	WJEB-TV	D21	DT	CP	JACKSONVILLE, FL	BLANK0000028163	6.9
No	WKME-CD	D21	DC	CP	KISSIMMEE, FL	BLANK0000028487	213.2
No	W42DJ-D	D21	LD	APP	OCALA, FL	BLANK0000053198	119.9
No	W21AU-D	D21	LD	LIC	ORLANDO, FL	BLANK0000025170	195.3
No	WCOV-TV	D22	DT	CP	MONTGOMERY, AL	BLANK0000034411	470.1
No	WBMM	D22	DT	LIC	TUSKEGEE, AL	BLCDT20090428ABH	455.5
No	WGCU	D22	DT	CP	FORT MYERS, FL	BLANK0000024916	384.9
No	WGCU	D22	DT	APP	FORT MYERS, FL	BLANK0000034435	384.9
No	WGPS-LP	D22	LD	CP	FORT MYERS, FL	BDFCDTL20101004ACR	428.3
No	WGPS-LP	D22	LD	LIC	FORT MYERS, FL	BLDTL20140626ACN	425.8
No	W22EF-D	D22	LD	CP	LAKE CITY, FL	BMPDTL20120316ADB	115.4
Yes	WVEN-TV	D22	DT	CP	MELBOURNE, FL	BLANK0000034008	195.3
Yes	WOFL	D22	DT	LIC	ORLANDO, FL	BLCDT20110708AAV	193.3
No	WPFN-CD	D22	DC	APP	PANAMA CITY, FL	BLANK0000053376	398.1
No	WPFN-CD	D22	DC	LIC	PANAMA CITY, FL	BLDTA20141222AAC	397.9
Yes	WTWC-TV	D22	DT	CP	TALLAHASSEE, FL	BLANK0000034393	228.2

No	WARP-CD	D22	DC	CP	TAMPA-ST. PETERSBURG, FL	BLANK0000025105	284.4
No	WARP-CD	D22	DC	APP	TAMPA-ST. PETERSBURG, FL	BLANK0000034453	284.4
No	WCEG-LD	D22	LD	CP	ALBANY, GA	BLANK0000013266	271.2
No	NEW	D22	LD	APP	AUGUSTA, GA	BNPDTL20090825BBQ	341.6
No	WSST-TV	D22	DT	LIC	CORDELE, GA	BLANK0000017176	273.7
No	W22EJ-D	D22	LD	CP	MACON, GA	BMPDTL20130515ACS	330.4
No	WHSG-TV	D22	DT	CP	MONROE, GA	BLANK0000028032	463.1
No	WHSG-TV	D22	DT	APP	MONROE, GA	BLANK0000034684	463.1
No	WJCL	D22	DT	LIC	SAVANNAH, GA	BLANK0000029019	200.1
No	W22ER-D	D22	LD	CP	VALDOSTA, GA	BNPDTL20100510ACB	167.4
No	WACH	D22	DT	CP	COLUMBIA, SC	BLANK0000034385	434.6
No	WEQA-LD	D22	LD	CP	FLORENCE, SC	BLANK0000036548	390.0
No	WKCF	D23	DT	CP	CLERMONT, FL	BLANK0000034532	195.3
No	WUOF-LD	D23	LD	CP	GAINESVILLE, FL	BLANK0000021138	93.6
No	WUOF-LD	D23	LD	LIC	GAINESVILLE, FL	BLDTL20111207AAM	93.6
No	WKBJ-LD	D23	LD	APP	Jacksonville, FL	BLANK0000051650	6.9
No	W23AQ	N23-	TX	LIC	LAKE CITY, FL	BLTT19931215JE	107.5
No	WUCF-TV	D23	DT	LIC	ORLANDO, FL	BLANK0000049749	193.3
No	NEW	D23	LD	APP	VALDOSTA, GA	BNPDTL20090825AHJ	172.4
No	WTBZ-LP	N29z	TX	LIC	GAINESVILLE, FL	BLTTL20050907ABX	129.8

Non-directional AM stations within 0.8 km:
WCGL 1360 L ND2 D JACKSONVILLE, FL BL
WCGL 1360 L ND2 N JACKSONVILLE, FL BL

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D22
       Mask: Full Service
   Latitude:  30 16 34.00 N (NAD83)
  Longitude:  81 38 11.00 W
Height AMSL: 125.5 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: PSI-PSILP16UBF-29 (ID 1001188) 180.0 deg
Elev Pattrn: Generic
```

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	13.9 kW	122.3 m	46.1 km
45.0	4.76	119.5	40.5
90.0	1.94	115.4	35.7
135.0	5.19	117.5	40.8
180.0	13.9	122.8	46.1
225.0	12.4	119.6	45.3
270.0	7.35	116.6	42.5
315.0	12.4	121.0	45.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 119 m

Distance to Canadian border: 1269.0 km

Distance to Mexican border: 1571.4 km

Conditions at FCC monitoring station: Vero Beach FL
Bearing: 161.6 degrees Distance: 312.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 303.6 degrees Distance: 2395.3 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 BLANK0000034008 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVEN-TV	D22	DT	CP	MELBOURNE, FL	BLANK0000034008	
Undesireds:	WUBF-LD	D22	LD	APP	JACKSONVILLE, FL		195.3 km
	WCLF	D21	DT	APP	CLEARWATER, FL	BLANK0000036056	143.5
	WDYB-CD	D21	DC	CP	DAYTONA BEACH, FL	BLANK0000034903	46.4
	WKME-CD	D21	DC	CP	KISSIMMEE, FL	BLANK0000028487	48.8
	WGCU	D22	DT	CP	FORT MYERS, FL	BLANK0000024916	207.9
	WFOR-TV	D22	DT	LIC	MIAMI, FL	BLCDT20130909AAV	303.1
	WTWC-TV	D22	DT	CP	TALLAHASSEE, FL	BLANK0000034393	363.4
	WARP-CD	D22	DC	CP	TAMPA-ST. PETERSBURG, FL	BLANK0000025105	170.8
	WKCF	D23	DT	CP	CLERMONT, FL	BLANK0000034532	0.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
34724.5	3,924,555	34722.5	3,924,555	34221.0	3,870,903	34221.0	3,870,903	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WUBF-LD D22 LD APP	3.0	574				0.0	0
WCLF D21 DT APP	25.9	7,916	1.0	0		1.0	0
WKME-CD D21 DC CP	1.0	0	0.0	0		0.0	0
WGCU D22 DT CP	274.6	18,279	235.7	8,745		235.7	8,745
WFOR-TV D22 DT LIC	9.0	227	0.0	0		0.0	0
WTWC-TV D22 DT CP	4.0	699	0.0	0		0.0	0
WARP-CD D22 DC CP	219.7	38,742	181.9	29,102		181.9	29,102
WKCF D23 DT CP	37.0	5,665	36.1	5,665		36.1	5,665

Interference to BLCDT20110708AAV LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOFL	D22	DT	LIC	ORLANDO, FL	BLCDT20110708AAV	
Undesireds:	WUBF-LD	D22	LD	APP	JACKSONVILLE, FL		193.3 km
	WCLF	D21	DT	APP	CLEARWATER, FL	BLANK0000036056	144.3
	WFOR-TV	D22	DT	LIC	MIAMI, FL	BLCDT20130909AAV	305.1
	WUCF-TV	D23	DT	LIC	ORLANDO, FL	BLANK0000049749	0.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	

37154.6	3,944,705	37147.6	3,943,368	37092.8	3,929,799	37079.7	3,928,924	0.04	0.02

Undesired		Total IX	Unique IX, before		Unique IX, after	
WUBF-LD D22 LD APP	13.1	875			13.1	875
WCLF D21 DT APP	35.8	10,531	31.9	9,853	31.9	9,853
WFOR-TV D22 DT LIC	12.0	1,402	8.0	724	8.0	724
WUCF-TV D23 DT LIC	11.0	2,314	11.0	2,314	11.0	2,314

Interference to BLCDT20110708AAV LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOFL	D22	DT	LIC	ORLANDO, FL	BLCDT20110708AAV	
Undesireds:	WUBF-LD	D22	LD	APP	JACKSONVILLE, FL		193.3 km
	WCLF	D21	DT	LIC	CLEARWATER, FL	BLCDT20060627AAQ	144.3
	WFOR-TV	D22	DT	LIC	MIAMI, FL	BLCDT20130909AAV	305.1
	WUCF-TV	D23	DT	LIC	ORLANDO, FL	BLANK0000049749	0.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
37154.6	3,944,705	37147.6	3,943,368	37104.8	3,931,900	37091.6	3,931,025	0.04	0.02

Undesired		Total IX	Unique IX, before		Unique IX, after	
WUBF-LD D22 LD APP	13.1	875			13.1	875
WCLF D21 DT LIC	21.9	8,429	19.9	7,752	19.9	7,752
WFOR-TV D22 DT LIC	12.0	1,402	10.0	725	10.0	725
WUCF-TV D23 DT LIC	11.0	2,314	11.0	2,314	11.0	2,314

Interference to BLANK0000034393 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTWC-TV	D22	DT	CP	TALLAHASSEE, FL	BLANK0000034393	
Undesireds:	WUBF-LD	D22	LD	APP	JACKSONVILLE, FL		228.2 km
	WDHN	D21	DT	LIC	DOTHAN, AL	BLCDT20090303ACR	142.0
	WCOV-TV	D22	DT	CP	MONTGOMERY, AL	BLANK0000034411	252.8
	WDES-CD	D22	DC	CP	DESTIN, FL	BLANK0000027917	244.7

	WVEN-TV	D22	DT	CP	MELBOURNE, FL	BLANK0000034008	363.4
	WPFN-CD	D22	DC	APP	PANAMA CITY, FL	BLANK0000053376	181.9
	WARP-CD	D22	DC	CP	TAMPA-ST. PETERSBURG, FL	BLANK0000025105	338.9
	WHSG-TV	D22	DT	CP	MONROE, GA	BLANK0000028032	342.5
	WJCL	D22	DT	LIC	SAVANNAH, GA	BLANK0000029019	293.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
43832.2	1,060,572	43816.3	1,060,494	43414.1	1,057,446	43414.1	1,057,446	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WUBF-LD D22 LD APP	1.0	0				0.0	0
WDHN D21 DT LIC	325.9	2,579		315.7	2,564	315.7	2,564
WCOV-TV D22 DT CP	53.3	180		12.1	66	12.1	66
WDES-CD D22 DC CP	1.0	0		0.0	0	0.0	0
WVEN-TV D22 DT CP	1.0	0		0.0	0	0.0	0
WPFN-CD D22 DC APP	43.0	362		18.0	289	18.0	289
WHSG-TV D22 DT CP	1.0	0		0.0	0	0.0	0
WJCL D22 DT LIC	23.3	41		13.2	15	13.2	15

Interference to proposal scenario 1
6.86% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WUBF-LD	D22	LD	APP	JACKSONVILLE, FL		
Undesireds:	WJEB-TV	D21	DT	CP	JACKSONVILLE, FL	BLANK0000028163	6.9 km
	WARP-CD	D22	DC	CP	TAMPA-ST. PETERSBURG, FL	BLANK0000025105	284.4
	WUOF-LD	D23	LD	CP	GAINESVILLE, FL	BLANK0000021138	93.6

Service area		Terrain-limited		IX-free		Percent IX	
5792.4	1,193,593	5792.4	1,193,593	3740.1	1,111,687	35.43	6.86

Undesired		Total IX		Unique IX		Prcnt Unique IX	
WJEB-TV D21 DT CP	2052.4	81,906		2052.4	81,906	35.43	6.86