

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: VB30FFP, Model: Longley-Rice
Start: 2019.08.21 09:55:47

Study created: 2019.08.21 09:55:47

Study build station data: LMS TV 2019-08-21

Proposal: W45DT-D D30 LD APP VERO BEACH, FL
Facility ID: 181224
Station data: User record
Record ID: 1190
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	WVCI-LP	N16+	TX	LIC	ORLANDO, FL	BLTTTL20030522AGC	149.7 km
No	WXPX-TV	D29	DT	CP	BRADENTON, FL	BLANK0000034359	186.2
No	WMVJ-CD	D29	DC	LIC	MELBOURNE, FL	BLDTA20121120AEA	57.1
No	WPBT	D29	DT	LIC	MIAMI, FL	BLANK0000067623	183.6
No	WSWF-LD	D29	LD	CP	ORLANDO, FL	BLANK0000053617	135.7
No	WFTS-TV	D29	DT	LIC	TAMPA, FL	BLCDDT20090320AGN	186.7
Yes	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	130.0
No	WSCV	D30	DT	LIC	FORT LAUDERDALE, FL	BLCDDT20090720ADZ	180.7
No	W39DF-D	D30	LD	CP	JACKSONVILLE, FL	BLANK0000053621	327.0
No	WWDI-CD	D30	DC	CP	NAPLES, FL	BLANK0000028494	189.7
No	W30EM-D	D30	LD	CP	OCALA, FL	BLANK0000071927	299.2
No	WALM-LD	D30	LD	CP	SEBRING, FL	BLANK0000051586	102.4
No	WRMD-CD	D30	DC	CP	TAMPA, FL	BLANK0000034732	186.9
No	WINK-TV	D31	DT	CP	FORT MYERS, FL	BLANK0000034572	162.9
No	WGCU	D31	DT	LIC	FORT MYERS, FL	BLEDT20130624AAN	161.9
No	W31DC-D	D31	LD	LIC	FORT PIERCE, FL	BLDTT20080926ACW	6.5
No	WSCF-LD	D31	LD	APP	MELBOURNE, FL	BLANK0000063684	66.5
No	WSCF-LD	N31z	TX	LIC	MELBOURNE, FL	BLTTTL20000329ABC	68.3

No	WTVJ	D31	DT	LIC	MIAMI, FL	BLCDT20030707ABG	182.4
No	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	272.3
No	W15CM-D	D31	LD	CP	ORIENT CITY, FL	BLANK0000051679	204.1
No	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	153.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
Mask: Full Service
Latitude: 27 36 11.60 N (NAD83)
Longitude: 80 23 3.10 W
Height AMSL: 46.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: Omnidirectional
Elev Pattn: Generic

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	45.5 m	34.4 km
45.0	15.0	45.9	34.5
90.0	15.0	45.9	34.5
135.0	15.0	45.9	34.5
180.0	15.0	40.0	32.9
225.0	15.0	39.7	32.8
270.0	15.0	39.9	32.8
315.0	15.0	39.9	32.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 43 m

Distance to Canadian border: 1574.9 km

Distance to Mexican border: 1649.8 km

Conditions at FCC monitoring station: Vero Beach FL
Bearing: 270.8 degrees Distance: 24.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 307.8 degrees Distance: 2667.7 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 BLEDT20130801ABM LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	
Undesireds:	W45DT-D	D30	LD	APP	VERO BEACH, FL		130.0 km
	WXPX-TV	D29	DT	CP	BRADENTON, FL	BLANK0000034359	146.8
	WGFL	D29	DT	CP	HIGH SPRINGS, FL	BLANK0000034417	185.6
	WMVJ-CD	D29	DC	LIC	MELBOURNE, FL	BLDTA20121120AEA	72.9
	WQXT-CD	D29	DC	CP	ST. AUGUSTINE, FL	BLANK0000028538	147.2
	WSCV	D30	DT	LIC	FORT LAUDERDALE, FL	BLCDT20090720ADZ	303.9
	WWDT-CD	D30	DC	CP	NAPLES, FL	BLANK0000028494	246.6
	WVUP-CD	D30	DC	CP	TALLAHASSEE, FL	BLANK0000025327	374.1
	WRMD-CD	D30	DC	CP	TAMPA, FL	BLANK0000034732	145.2
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	148.8
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	38.8
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	28623.4 3,377,737	28621.4	3,377,737	28330.5	3,353,253	27826.6 3,341,397	1.78 0.35

Undesired			Total IX	Unique IX, before	Unique IX, after
W45DT-D D30 LD APP	521.9		13,029		504.0 11,856
WXPX-TV D29 DT CP	8.0		2,077	0.0 0	0.0 0
WMVJ-CD D29 DC LIC	18.0		1,173	18.0 1,173	0.0 0
WSCV D30 DT LIC	1.0		134	0.0 0	0.0 0
WWDT-CD D30 DC CP	1.0		134	0.0 0	0.0 0
WRMD-CD D30 DC CP	227.4		19,616	215.4 16,653	215.4 16,653
WOGX D31 DT LIC	43.5		3,695	43.5 3,695	43.5 3,695
WTMO-CD D31 DC LIC	6.0		886	2.0 0	2.0 0

Interference to BLEDT20130801ABM LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	
Undesireds:	W45DT-D	D30	LD	APP	VERO BEACH, FL		130.0 km
	WXPX-TV	D29	DT	CP	BRADENTON, FL	BLANK0000034359	146.8
	WGFL	D29	DT	CP	HIGH SPRINGS, FL	BLANK0000034417	185.6
	WMVJ-CD	D29	DC	LIC	MELBOURNE, FL	BLDTA20121120AEA	72.9
	WQXT-CD	D29	DC	CP	ST. AUGUSTINE, FL	BLANK0000028538	147.2
	WSCV	D30	DT	LIC	FORT LAUDERDALE, FL	BLCDT20090720ADZ	303.9
	WWDT-CD	D30	DC	CP	NAPLES, FL	BLANK0000028494	246.6
	WVUP-CD	D30	DC	CP	TALLAHASSEE, FL	BLANK0000025327	374.1
	WRMD-CD	D30	DC	BL	TAMPA, FL	DTVBL74559	155.5
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	148.8
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	38.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28623.4 3,377,737	28621.4 3,377,737	28545.0 3,369,906	28041.0 3,358,050	1.77 0.35

Undesired			Total IX	Unique IX, before	Unique IX, after
W45DT-D D30 LD APP	521.9		13,029		504.0 11,856
WXPX-TV D29 DT CP	8.0		2,077	6.0 1,730	6.0 1,730
WMVJ-CD D29 DC LIC	18.0		1,173	18.0 1,173	0.0 0
WSCV D30 DT LIC	1.0		134	0.0 0	0.0 0
WWDT-CD D30 DC CP	1.0		134	0.0 0	0.0 0
WRMD-CD D30 DC BL	3.0		347	1.0 0	1.0 0

WOGX D31 DT LIC	43.5	3,695	43.5	3,695	43.5	3,695
WTMO-CD D31 DC LIC	6.0	886	6.0	886	6.0	886

Interference to BLEDT20130801ABM LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	
Undesireds:	W45DT-D	D30	LD	APP	VERO BEACH, FL		130.0 km
	WXPX-TV	D29	DT	CP	BRADENTON, FL	BLANK00000034359	146.8
	WGFL	D29	DT	CP	HIGH SPRINGS, FL	BLANK00000034417	185.6
	WMVJ-CD	D29	DC	LIC	MELBOURNE, FL	BLDTA20121120AEA	72.9
	WQXT-CD	D29	DC	CP	ST. AUGUSTINE, FL	BLANK00000028538	147.2
	WSCV	D30	DT	LIC	FORT LAUDERDALE, FL	BLCDT20090720ADZ	303.9
	WWDT-CD	D30	DC	BL	NAPLES, FL	DTVBL58261	246.7
	WVUP-CD	D30	DC	CP	TALLAHASSEE, FL	BLANK00000025327	374.1
	WRMD-CD	D30	DC	CP	TAMPA, FL	BLANK00000034732	145.2
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	148.8
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	38.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28623.4 3,377,737	28621.4 3,377,737	28330.5 3,353,253	27826.6 3,341,397	1.78 0.35

Undesired	Total IX	Unique IX, before	Unique IX, after
W45DT-D D30 LD APP 521.9	13,029	504.0	11,856
WXPX-TV D29 DT CP 8.0	2,077	0.0	0
WMVJ-CD D29 DC LIC 18.0	1,173	18.0	1,173
WSCV D30 DT LIC 1.0	134	0.0	0
WWDT-CD D30 DC BL 1.0	134	0.0	0
WRMD-CD D30 DC CP 227.4	19,616	215.4	16,653
WOGX D31 DT LIC 43.5	3,695	43.5	3,695
WTMO-CD D31 DC LIC 6.0	886	2.0	0

Interference to BLEDT20130801ABM LIC scenario 4

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired: WEFS D30 DT LIC COCOA, FL BLEDT20130801ABM

Undesireds:	W45DT-D	D30	LD	APP	VERO BEACH, FL		130.0 km
	WXPX-TV	D29	DT	CP	BRADENTON, FL	BLANK00000034359	146.8
	WGFL	D29	DT	CP	HIGH SPRINGS, FL	BLANK00000034417	185.6
	WMVJ-CD	D29	DC	LIC	MELBOURNE, FL	BLDTA20121120AEA	72.9
	WQXT-CD	D29	DC	CP	ST. AUGUSTINE, FL	BLANK00000028538	147.2
	WSCV	D30	DT	LIC	FORT LAUDERDALE, FL	BLCDT20090720ADZ	303.9
	WWDT-CD	D30	DC	BL	NAPLES, FL	DTVBL58261	246.7
	WVUP-CD	D30	DC	CP	TALLAHASSEE, FL	BLANK00000025327	374.1
	WRMD-CD	D30	DC	BL	TAMPA, FL	DTVBL74559	155.5
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	148.8
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	38.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
28623.4	3,377,737	28621.4	3,377,737	28545.0	3,369,906	28041.0	3,358,050	1.77	0.35

Undesired	Total IX	Unique IX, before		Unique IX, after	
W45DT-D D30 LD APP	521.9	13,029		504.0	11,856
WXPX-TV D29 DT CP	8.0	2,077	6.0 1,730	6.0	1,730
WMVJ-CD D29 DC LIC	18.0	1,173	18.0 1,173	0.0	0
WSCV D30 DT LIC	1.0	134	0.0 0	0.0	0
WWDT-CD D30 DC BL	1.0	134	0.0 0	0.0	0
WRMD-CD D30 DC BL	3.0	347	1.0 0	1.0	0
WOGX D31 DT LIC	43.5	3,695	43.5 3,695	43.5	3,695
WTMO-CD D31 DC LIC	6.0	886	6.0 886	6.0	886

Interference to BLEDT20130801ABM LIC scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	
Undesireds:	W45DT-D	D30	LD	APP	VERO BEACH, FL		130.0 km
	WXPX-TV	D29	DT	BL	BRADENTON, FL	DTVBL6601	146.8
	WGFL	D29	DT	CP	HIGH SPRINGS, FL	BLANK00000034417	185.6
	WMVJ-CD	D29	DC	LIC	MELBOURNE, FL	BLDTA20121120AEA	72.9
	WQXT-CD	D29	DC	CP	ST. AUGUSTINE, FL	BLANK00000028538	147.2

WSCV	D30	DT	LIC	FORT LAUDERDALE, FL	BLCDT20090720ADZ	303.9
WWDT-CD	D30	DC	CP	NAPLES, FL	BLANK00000028494	246.6
WVUP-CD	D30	DC	CP	TALLAHASSEE, FL	BLANK00000025327	374.1
WRMD-CD	D30	DC	CP	TAMPA, FL	BLANK00000034732	145.2
WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	148.8
WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	38.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
28623.4	3,377,737	28621.4	3,377,737	28330.5	3,353,253	27826.6	3,341,397	1.78 0.35

Undesired		Total IX	Unique IX, before	Unique IX, after
W45DT-D D30 LD APP	521.9	13,029		504.0 11,856
WXPX-TV D29 DT BL	8.0	2,077	0.0 0	0.0 0
WMVJ-CD D29 DC LIC	18.0	1,173	18.0 1,173	0.0 0
WSCV D30 DT LIC	1.0	134	0.0 0	0.0 0
WWDT-CD D30 DC CP	1.0	134	0.0 0	0.0 0
WRMD-CD D30 DC CP	227.4	19,616	215.4 16,653	215.4 16,653
WOGX D31 DT LIC	43.5	3,695	43.5 3,695	43.5 3,695
WTMO-CD D31 DC LIC	6.0	886	2.0 0	2.0 0

Interference to BLEDT20130801ABM LIC scenario 6

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	
Undesireds:	W45DT-D	D30	LD	APP	VERO BEACH, FL		130.0 km
	WXPX-TV	D29	DT	BL	BRADENTON, FL	DTVBL6601	146.8
	WGFL	D29	DT	CP	HIGH SPRINGS, FL	BLANK00000034417	185.6
	WMVJ-CD	D29	DC	LIC	MELBOURNE, FL	BLDTA20121120AEA	72.9
	WQXT-CD	D29	DC	CP	ST. AUGUSTINE, FL	BLANK00000028538	147.2
	WSCV	D30	DT	LIC	FORT LAUDERDALE, FL	BLCDT20090720ADZ	303.9
	WWDT-CD	D30	DC	CP	NAPLES, FL	BLANK00000028494	246.6
	WVUP-CD	D30	DC	CP	TALLAHASSEE, FL	BLANK00000025327	374.1
	WRMD-CD	D30	DC	BL	TAMPA, FL	DTVBL74559	155.5
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	148.8
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	38.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
28623.4	3,377,737	28621.4	3,377,737	28545.0	3,369,906	28041.0	3,358,050	1.77 0.35

Undesired		Total IX		Unique IX, before		Unique IX, after
W45DT-D D30 LD APP	521.9	13,029			504.0	11,856
WXPX-TV D29 DT BL	8.0	2,077	6.0	1,730	6.0	1,730
WMVJ-CD D29 DC LIC	18.0	1,173	18.0	1,173	0.0	0
WSCV D30 DT LIC	1.0	134	0.0	0	0.0	0
WWDT-CD D30 DC CP	1.0	134	0.0	0	0.0	0
WRMD-CD D30 DC BL	3.0	347	1.0	0	1.0	0
WOGX D31 DT LIC	43.5	3,695	43.5	3,695	43.5	3,695
WTMO-CD D31 DC LIC	6.0	886	6.0	886	6.0	886

Interference to BLEDT20130801ABM LIC scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	
Undesireds:	W45DT-D	D30	LD	APP	VERO BEACH, FL		130.0 km
	WXPX-TV	D29	DT	BL	BRADENTON, FL	DTVBL6601	146.8
	WGFL	D29	DT	CP	HIGH SPRINGS, FL	BLANK0000034417	185.6
	WMVJ-CD	D29	DC	LIC	MELBOURNE, FL	BLDTA20121120AEA	72.9
	WQXT-CD	D29	DC	CP	ST. AUGUSTINE, FL	BLANK0000028538	147.2
	WSCV	D30	DT	LIC	FORT LAUDERDALE, FL	BLCDT20090720ADZ	303.9
	WWDT-CD	D30	DC	BL	NAPLES, FL	DTVBL58261	246.7
	WVUP-CD	D30	DC	CP	TALLAHASSEE, FL	BLANK0000025327	374.1
	WRMD-CD	D30	DC	CP	TAMPA, FL	BLANK0000034732	145.2
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	148.8
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	38.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
28623.4	3,377,737	28621.4	3,377,737	28330.5	3,353,253	27826.6	3,341,397	1.78 0.35

Undesired		Total IX		Unique IX, before		Unique IX, after
W45DT-D D30 LD APP	521.9	13,029			504.0	11,856
WXPX-TV D29 DT BL	8.0	2,077	0.0	0	0.0	0
WMVJ-CD D29 DC LIC	18.0	1,173	18.0	1,173	0.0	0

WSCV D30 DT LIC	1.0	134	0.0	0	0.0	0
WWDT-CD D30 DC BL	1.0	134	0.0	0	0.0	0
WRMD-CD D30 DC CP	227.4	19,616	215.4	16,653	215.4	16,653
WOGX D31 DT LIC	43.5	3,695	43.5	3,695	43.5	3,695
WTMO-CD D31 DC LIC	6.0	886	2.0	0	2.0	0

Interference to BLEDT20130801ABM LIC scenario 8

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	
Undesireds:	W45DT-D	D30	LD	APP	VERO BEACH, FL		130.0 km
	WXPX-TV	D29	DT	BL	BRADENTON, FL	DTVBL6601	146.8
	WGFL	D29	DT	CP	HIGH SPRINGS, FL	BLANK0000034417	185.6
	WMVJ-CD	D29	DC	LIC	MELBOURNE, FL	BLDTA20121120AEA	72.9
	WQXT-CD	D29	DC	CP	ST. AUGUSTINE, FL	BLANK0000028538	147.2
	WSCV	D30	DT	LIC	FORT LAUDERDALE, FL	BLCDT20090720ADZ	303.9
	WWDT-CD	D30	DC	BL	NAPLES, FL	DTVBL58261	246.7
	WVUP-CD	D30	DC	CP	TALLAHASSEE, FL	BLANK0000025327	374.1
	WRMD-CD	D30	DC	BL	TAMPA, FL	DTVBL74559	155.5
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	148.8
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	38.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
28623.4 3,377,737	28621.4 3,377,737	28545.0 3,369,906	28041.0 3,358,050	1.77 0.35

Undesired	Total IX	Unique IX, before	Unique IX, after
W45DT-D D30 LD APP 521.9	13,029	504.0 11,856	
WXPX-TV D29 DT BL 8.0	2,077	6.0 1,730	
WMVJ-CD D29 DC LIC 18.0	1,173	0.0 0	
WSCV D30 DT LIC 1.0	134	0.0 0	
WWDT-CD D30 DC BL 1.0	134	0.0 0	
WRMD-CD D30 DC BL 3.0	347	1.0 0	
WOGX D31 DT LIC 43.5	3,695	43.5 3,695	
WTMO-CD D31 DC LIC 6.0	886	6.0 886	