

tvstudy v2.2.5 (V91R41)

Database: localhost, Study: W15CM\_ch31\_DLP-8, Model: Longley-Rice

Start: 2018.03.29 11:19:29

Study created: 2018.03.29 11:19:29

Study build station data: LMS TV 2018-03-19

Proposal: W15CM-D D31 LD LIC ORIENT CITY, FL

File number: BLDLTL20100625AAA

Facility ID: 6029

Station data: User record

Record ID: 137

Country: U.S.

Build options:

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	WVCI-LP	N16+	TX	LIC	ORLANDO, FL	BLTTL20030522AGC	117.8 km
No	WEFS	D30	DT	LIC	COCOA, FL	BLEDL20130801ABM	149.1
No	WWDI-CD	D30	DC	CP	NAPLES, FL	BLANK0000028494	174.4
No	WRMD-CD	D30	DC	CP	TAMPA, FL	BLANK0000028890	6.9
No	WRMD-CD	D30	DC	APP	TAMPA, FL	BLANK0000034732	21.9
Yes	WINK-TV	D31	DT	CP	FORT MYERS, FL	BLANK0000034572	147.3
No	W31DC-D	D31	LD	LIC	FORT PIERCE, FL	BLDTT20080926ACW	207.1
No	NEW	D31	LD	APP	MADISON, FL	BNPDTL20090825AHL	291.7
No	WSCF-LD	N31z	TX	LIC	MELBOURNE, FL	BLTTL20000329ABC	168.5
No	WTVJ	D31	DT	LIC	MIAMI, FL	BLCDD20030707ABG	312.6
Yes	WOGX	D31	DT	LIC	OCALA, FL	BLCDD20020730ABS	152.0
No	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	115.7
No	WDDM-LD	D31	LD	LIC	TALLAHASSEE, FL	BLANK0000001335	338.5
No	WSWG	D31	DT	CP	VALDOSTA, GA	BLANK0000034639	365.1
No	W31EE-D	D31	LD	CP	VALDOSTA, GA	BNPDTL20090825CAJ	325.4
No	WHLV-TV	D32	DT	CP	COCOA, FL	BLANK0000026618	145.9
No	WHLV-TV	D32	DT	APP	COCOA, FL	BLANK0000034686	145.9
No	W32DJ-D	D32	LD	LIC	MELBOURNE, FL	BLDTL20071009AKR	168.4
No	WXCW	D32	DT	CP	NAPLES, FL	BLANK0000034571	147.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31

Mask: Full Service

Latitude: 27 59 37.20 N (NAD83)

Longitude: 82 24 45.80 W

Height AMSL: 136.2 m

HAAT: 0.0 m

Peak ERP: 13.0 kW

Antenna: DLP-8MR 3.0 deg

Elev Pattn: Generic

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	13.0 kW	123.9 m	44.9 km
45.0	13.0	124.5	44.9
90.0	7.35	122.2	41.9
135.0	0.903	127.8	31.6
180.0	0.169	134.9	23.4
225.0	0.400	130.0	27.5
270.0	6.27	128.7	41.5

315.0      12.8      124.2      44.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m      Computed HAAT: 127 m

Distance to Canadian border: 1520.9 km

Distance to Mexican border: 1453.8 km

Conditions at FCC monitoring station: Vero Beach FL

Bearing: 103.4 degrees      Distance: 180.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 308.8 degrees      Distance: 2484.3 km

Study cell size: 0.50 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%

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Interference to BLANK0000034572 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WINK-TV	D31	DT	CP	FORT MYERS, FL	BLANK0000034572	
Undesireds:	W15CM-D	D31	LD	LIC	ORIENT CITY, FL	BLDTL20100625AAA	147.3 km
	WRMD-CD	D30	DC	CP	TAMPA, FL	BLANK0000028890	144.8
	WTVJ	D31	DT	LIC	MIAMI, FL	BLCDDT20030707ABG	179.2
	WOGX	D31	DT	LIC	OCALA, FL	BLCDDT20020730ABS	289.7
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	203.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
33711.7    1,818,931		33707.9    1,818,931		31374.5    1,812,037		31327.3    1,811,772	0.15    0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W15CM-D D31 LD LIC	66.6    1,535	47.2    265	
WRMD-CD D30 DC CP	1.0    0	0.0    0	0.0    0
WTVJ D31 DT LIC	2332.6    6,894	2321.0    6,888	2308.3    5,618
WOGX D31 DT LIC	12.2    6	0.5    0	0.5    0
WTMO-CD D31 DC LIC	1.0    0	0.0    0	0.0    0

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Interference to BLANK0000034572 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WINK-TV	D31	DT	CP	FORT MYERS, FL	BLANK0000034572	
Undesireds:	W15CM-D	D31	LD	LIC	ORIENT CITY, FL	BLDTL20100625AAA	147.3 km
	WTVJ	D31	DT	LIC	MIAMI, FL	BLCDDT20030707ABG	179.2
	WOGX	D31	DT	LIC	OCALA, FL	BLCDDT20020730ABS	289.7
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	203.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
33711.7    1,818,931		33707.9    1,818,931		31374.5    1,812,037		31327.3    1,811,772	0.15    0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W15CM-D D31 LD LIC	66.6    1,535	47.2    265	
WTVJ D31 DT LIC	2332.6    6,894	2321.2    6,888	2308.3    5,618
WOGX D31 DT LIC	12.2    6	0.7    0	0.5    0
WTMO-CD D31 DC LIC	1.0    0	0.0    0	0.0    0

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Interference to BLCDDT20020730ABS LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	
Undesireds:	W15CM-D	D31	LD	LIC	ORIENT CITY, FL	BLDTL20100625AAA	152.0 km
	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	148.8
	WRMD-CD	D30	DC	CP	TAMPA, FL	BLANK0000028890	157.4
	WINK-TV	D31	DT	CP	FORT MYERS, FL	BLANK0000034572	289.7
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	119.1
	WSWG	D31	DT	CP	VALDOSTA, GA	BLANK0000034639	224.7
	WHLV-TV	D32	DT	CP	COCOA, FL	BLANK0000026618	148.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
19433.9 1,114,324	19432.5 1,114,316	19283.4 1,112,079	19279.3 1,111,926	0.02 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W15CM-D D31 LD LIC	8.2 254	4.1 153	
WEFS D30 DT LIC	10.8 190	0.0 0	
WINK-TV D31 DT CP	4.6 155	1.0 0	
WTMO-CD D31 DC LIC	6.5 221	2.4 0	
WSWG D31 DT CP	60.7 1,282	57.8 1,127	
WHLV-TV D32 DT CP	86.0 1,044	72.3 788	

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Interference to BLCDT20020730ABS LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS			
Undesireds:	W15CM-D	D31	LD	LIC	ORIENT CITY, FL	BLDTL20100625AAA	152.0 km		
	WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	148.8		
	WRMD-CD	D30	DC	CP	TAMPA, FL	BLANK0000028890	157.4		
	WINK-TV	D31	DT	CP	FORT MYERS, FL	BLANK0000034572	289.7		
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	119.1		
	WSWG	D31	DT	CP	VALDOSTA, GA	BLANK0000034639	224.7		
	WHLV-TV	D32	DT	APP	COCOA, FL	BLANK0000034686	148.5		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
19433.9	1,114,324	19432.5	1,114,316	19263.2	1,111,874	19259.1	1,111,721	0.02	0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W15CM-D D31 LD LIC	8.2 254	4.1 153	
WEFS D30 DT LIC	10.8 190	0.0 0	
WINK-TV D31 DT CP	4.6 155	1.0 0	
WTMO-CD D31 DC LIC	6.5 221	1.9 0	
WSWG D31 DT CP	60.7 1,282	57.8 1,127	
WHLV-TV D32 DT APP	106.6 1,249	92.4 993	

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Interference to proposal scenario 1  
17.09% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W15CM-D	D31	LD	LIC	ORIENT CITY, FL	BLDTL20100625AAA	
Undesireds:	WRMD-CD	D30	DC	CP	TAMPA, FL	BLANK0000028890	6.9 km
	WINK-TV	D31	DT	CP	FORT MYERS, FL	BLANK0000034572	147.3
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	152.0

Service area	Terrain-limited	IX-free	Percent IX
4579.0 2,121,621	4576.8 2,120,875	4041.1 1,758,516	11.71 17.09

Undesired	Total IX	Unique IX	Prcnt Unique IX
WRMD-CD D30 DC CP	520.0 358,893	508.6 356,275	11.11 16.80
WINK-TV D31 DT CP	16.2 4,590	9.7 3,279	0.21 0.15
WOGX D31 DT LIC	16.0 2,517	5.6 106	0.12 0.00

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Interference to proposal scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
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4/7/2018

Tampa-St. Pete - Dropbox

Desired:	W15CM-D	D31	LD	LIC	ORIENT CITY, FL	BLDTL20100625AAA	
Undesireds:	WRMD-CD	D30	DC	APP	TAMPA, FL	BLANK0000034732	21.9 km
	WINK-TV	D31	DT	CP	FORT MYERS, FL	BLANK0000034572	147.3
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	152.0

	Service area		Terrain-limited		IX-free		Percent IX
4579.0	2,121,621	4576.8	2,120,875	4549.5	2,114,613	0.60	0.30
Undesired			Total IX		Unique IX	Prcnt Unique IX	
WRMD-CD D30 DC APP		2.4	983	0.2	178	0.01	0.01
WINK-TV D31 DT CP		16.2	4,590	10.6	3,279	0.23	0.15
WOGX D31 DT LIC		16.0	2,517	10.9	1,494	0.24	0.07