

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: BLDTL20100416AAS\_UHF (on 35), Model: Longley-Rice  
Start: 2018.03.25 00:17:17

Study created: 2018.03.24 23:32:02

Study build station data: LMS TV 2018-03-21

Proposal: WTAM-LD D35 (D28) LD APP TAMPA, FL  
File number: 0  
Facility ID: 168552  
Station data: User record  
Record ID: 125  
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	W21AU-D	N21+	TX	LIC	ORLANDO, FL	BLTTL19920715IB	117.7 km
Yes	WFTX-TV	D34	DT	CP	CAPE CORAL, FL	BLANK0000026821	122.6
Yes	WUCF-TV	D34	DT	CP	ORLANDO, FL	BLANK0000027156	143.7
No	WHDT	D34	DT	CP	STUART, FL	BLANK0000034671	242.8
No	W35DH-D	D35	LD	CP	GREENVILLE, FL	BNPDTL20100513ALI	315.4
No	WRCZ-LD	D35	LD	LIC	OCALA, FL	BLANK0000013902	281.3
Yes	WFTV	D35	DT	CP	ORLANDO, FL	BLANK0000034714	144.6
No	WSLF-LD	D35	LD	LIC	PORT ST. LUCIE, FL	BLDTL20120215ABJ	199.3
No	WFLX	D35	DT	CP	WEST PALM BEACH, FL	BLANK0000034158	242.8
No	WBVJ-CD	D35+	DC	LIC	VALDOSTA, GA	BLANK0000004708	364.0
No	WBVJ-CD	D35+	DC	CP	VALDOSTA, GA	BLANK0000035757	364.0
No	W36EC-D	D36	LD	LIC	BARTOW, FL	BLANK0000023950	65.9
No	W36EC-D	D36	LD	CP	BARTOW, FL	BLANK0000024502	47.1
No	WUFT	D36	DT	LIC	GAINESVILLE, FL	BLEDT20040304AAF	210.5
No	WPXP-TV	D36	DT	LIC	LAKE WORTH, FL	BLCDT20030808ABE	244.4
No	WHDO-CD	D36	DC	CP	ORLANDO, FL	BLANK0000028164	105.1
Yes	WDNP-LD	D36	LD	LIC	ST. PETERSBURG, FL	BLANK0000007389	7.3
Yes	WSPF-CD	D36	DC	CP	ST. PETERSBURG, FL	BLANK0000024927	1.2
No	WDNP-LD	N36+	TX	LIC	ST. PETERSBURG, FL	BLTT20020725AAC	53.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D35  
Mask: Full Service  
Latitude: 27 49 10.80 N (NAD83)  
Longitude: 82 15 38.00 W  
Height AMSL: 404.1 m  
HAAT: 0.0 m  
Peak ERP: 15.0 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic  
Elec Tilt: 0.75

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	17.3 kW	383.7 m	60.7 km
45.0	17.3	387.3	60.9
90.0	17.3	380.9	60.6
135.0	17.3	370.7	60.1
180.0	17.3	375.2	60.3
225.0	17.3	385.4	60.8

270.0 17.3 394.5 61.3  
315.0 17.3 393.1 61.2

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 384 m

Distance to Canadian border: 1540.2 km

Distance to Mexican border: 1467.0 km

Conditions at FCC monitoring station: Vero Beach FL  
Bearing: 98.1 degrees Distance: 161.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 309.0 degrees Distance: 2508.0 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 BLANK000026821 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFTX-TV	D34	DT	CP	CAPE CORAL, FL	BLANK000026821	
Undesireds:	WTAM-LD	D35	LD	APP	TAMPA, FL	0	122.6 km
	WRXY-TV	D33	DT	APP	TICE, FL	BLANK000035687	1.2
	WUCF-TV	D34	DT	CP	ORLANDO, FL	BLANK000027156	212.6
	WHDT	D34	DT	CP	STUART, FL	BLANK000034671	156.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
28466.4 1,757,156		28466.4 1,757,156		26238.8 1,740,602		26238.6 1,740,602	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WTAM-LD D35 LD APP		1.5 0				0.2 0	
WRXY-TV D33 DT APP		6.8 488		2.0 488		2.0 488	
WUCF-TV D34 DT CP		151.5 4,664		16.1 1,226		16.1 1,226	
WHDT D34 DT CP		2209.5 14,840		2069.2 11,402		2069.2 11,402	

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Interference to BLANK000026821 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFTX-TV	D34	DT	CP	CAPE CORAL, FL	BLANK000026821	
Undesireds:	WTAM-LD	D35	LD	APP	TAMPA, FL	0	122.6 km
	WUCF-TV	D34	DT	CP	ORLANDO, FL	BLANK000027156	212.6
	WHDT	D34	DT	CP	STUART, FL	BLANK000034671	156.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
28466.4 1,757,156		28466.4 1,757,156		26240.8 1,741,090		26240.5 1,741,090	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WTAM-LD D35 LD APP		1.5 0				0.2 0	
WUCF-TV D34 DT CP		151.5 4,664		16.1 1,226		16.1 1,226	
WHDT D34 DT CP		2209.5 14,840		2074.1 11,402		2074.1 11,402	

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Interference to BLANK000027156 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUCF-TV	D34	DT	CP	ORLANDO, FL	BLANK000027156	

Undesireds:	WTAM-LD	D35	LD	APP	TAMPA, FL	0	143.7 km
	WOFL	D33	DT	CP	ORLANDO, FL	BLANK0000034529	0.7
	WFTX-TV	D34	DT	CP	CAPE CORAL, FL	BLANK0000026821	212.6
	WBXJ-CD	D34	DC	CP	JACKSONVILLE, ETC., FL	BLANK0000034663	191.6
	WHD	D34	DT	CP	STUART, FL	BLANK0000034671	240.4
	WFTV	D35	DT	CP	ORLANDO, FL	BLANK0000034714	5.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31839.8 3,704,467	31835.9 3,704,312	31243.9 3,669,355	31243.9 3,669,355	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WTAM-LD D35 LD APP	0.7 22		0.0 0
WOFL D33 DT CP	33.7 1,619	22.1 813	22.1 813
WFTX-TV D34 DT CP	133.8 13,189	127.3 11,539	127.3 11,539
WBXJ-CD D34 DC CP	22.9 3,040	21.4 3,040	21.4 3,040
WHD D34 DT CP	16.5 1,209	2.2 0	2.2 0
WFTV D35 DT CP	412.9 18,356	391.2 17,109	391.2 17,109

Interference to BLANK0000034714 CP scenario 1

\*\*IX: 9.06% interference caused

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFTV	D35	DT	CP	ORLANDO, FL	BLANK0000034714	
Undesireds:	WTAM-LD	D35	LD	APP	TAMPA, FL	0	144.6 km
	WUCF-TV	D34	DT	CP	ORLANDO, FL	BLANK0000027156	5.3
	WFLX	D35	DT	CP	WEST PALM BEACH, FL	BLANK0000034158	235.6
	WBVJ-CD	D35+	DC	LIC	VALDOSTA, GA	BLANK0000004708	343.0
	WUFT	D36	DT	LIC	GAINESVILLE, FL	BLEDT20040304AAF	181.7
	WHDO-CD	D36	DC	CP	ORLANDO, FL	BLANK0000028164	39.5
	WSPF-CD	D36	DC	CP	ST. PETERSBURG, FL	BLANK0000024927	144.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
36893.9 3,879,694	36886.0 3,878,709	36752.8 3,875,341	34193.0 3,524,338	6.96 9.06

Undesired	Total IX	Unique IX, before	Unique IX, after
WTAM-LD D35 LD APP	2569.3 352,646		2559.8 351,003
WUCF-TV D34 DT CP	2.2 0	2.2 0	1.9 0
WFLX D35 DT CP	130.3 3,295	129.6 2,881	121.3 1,675
WUFT D36 DT LIC	0.2 0	0.2 0	0.2 0
WHDO-CD D36 DC CP	0.2 50	0.2 50	0.2 50
WSPF-CD D36 DC CP	1.0 437	0.2 23	0.0 0

Interference to BLANK000007389 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDNP-LD	D36	LD	LIC	ST. PETERSBURG, FL	BLANK000007389	
Undesireds:	WTAM-LD	D35	LD	APP	TAMPA, FL	0	7.3 km
	W36EC-D	D36	LD	LIC	BARTOW, FL	BLANK0000023950	71.2
	WUFT	D36	DT	LIC	GAINESVILLE, FL	BLEDT20040304AAF	207.1
	WSPF-CD	D36	DC	CP	ST. PETERSBURG, FL	BLANK0000024927	6.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
4533.3 1,677,085	4528.5 1,676,921	205.9 99,836	205.9 99,836	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WTAM-LD D35 LD APP	57.3 2,778		0.0 0
WUFT D36 DT LIC	1.5 0	0.0 0	0.0 0
WSPF-CD D36 DC CP	4322.6 1,577,085	4321.1 1,577,085	4265.3 1,574,307

Interference to BLANK000007389 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDNP-LD	D36	LD	LIC	ST. PETERSBURG, FL	BLANK000007389	
Undesireds:	WTAM-LD	D35	LD	APP	TAMPA, FL	0	7.3 km

W36EC-D	D36	LD	CP	BARTOW, FL	BLANK0000024502	49.3
WUFT	D36	DT	LIC	GAINESVILLE, FL	BLEDT20040304AAF	207.1
WSPF-CD	D36	DC	CP	ST. PETERSBURG, FL	BLANK0000024927	6.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
4533.3 1,677,085	4528.5 1,676,921	205.9 99,836	205.9 99,836	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WTAM-LD D35 LD APP	57.3 2,778		0.0 0
W36EC-D D36 LD CP	30.8 1,731	0.0 0	0.0 0
WUFT D36 DT LIC	1.5 0	0.0 0	0.0 0
WSPF-CD D36 DC CP	4322.6 1,577,085	4291.6 1,575,354	4239.8 1,572,689

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Interference to BLANK0000024927 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSPF-CD	D36	DC	CP	ST. PETERSBURG, FL	BLANK0000024927	
Undesireds:	WTAM-LD	D35	LD	APP	TAMPA, FL	0	1.2 km
	WUFT	D36	DT	LIC	GAINESVILLE, FL	BLEDT20040304AAF	209.3
	WHDO-CD	D36	DC	CP	ORLANDO, FL	BLANK0000028164	104.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
7927.2 2,792,916	7923.8 2,792,040	7914.1 2,790,763	7902.5 2,788,691	0.15 0.07

Undesired	Total IX	Unique IX, before	Unique IX, after
WTAM-LD D35 LD APP	15.0 2,072		11.6 2,072
WUFT D36 DT LIC	6.8 600	4.1 23	2.2 23
WHDO-CD D36 DC CP	5.6 1,254	2.9 677	1.9 677

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Interference to proposal scenario 1  
3.75% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTAM-LD	D35	LD	APP	TAMPA, FL	0	
Undesireds:	WFTV	D35	DT	CP	ORLANDO, FL	BLANK0000034714	144.6 km
	W36EC-D	D36	LD	LIC	BARTOW, FL	BLANK0000023950	65.9
	WDNP-LD	D36	LD	LIC	ST. PETERSBURG, FL	BLANK0000007389	7.3

Service area	Terrain-limited	IX-free	Percent IX
11582.7 3,230,659	11582.0 3,230,532	11018.3 3,109,534	4.87 3.75

Undesired	Total IX	Unique IX	Prcnt Unique IX
WFTV D35 DT CP	563.7 120,998	563.7 120,998	4.87 3.75