

tvstudy v2.2.3 (DAezul)
Database: localhost, Study: BLANK0000025123 (100), Model: Longley-Rice
Start: 2017.10.28 16:42:39

Study created: 2017.10.28 16:42:30

Study build station data: LMS TV LMS TV Data -- 10-26-2017

Proposal: WFOX-TV D14 DT CP JACKSONVILLE, FL
File number: BLANK0000025123
Facility ID: 11909
Station data: User record
Record ID: 74
Country: U.S.
Zone: III

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WOPX-TV	D14	DT	CP	MELBOURNE, FL	BLANK0000027036	246.4 km
WOPX-TV	D14	DT	BL	MELBOURNE, FL	DTVBL67602	246.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D14
Latitude: 30 16 51.90 N (NAD83)
Longitude: 81 34 12.20 W
Height AMSL: 295.4 m
HAAT: 291.0 m
Peak ERP: 663 kW
Antenna: DIE-TUC-P5-12/60H-1-B (ID 1001333) 0.0 deg
Elev Pattn: Generic
Elec Tilt: 0.75

38.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	619 kW	288.4 m	95.8 km
45.0	503	286.4	93.5
90.0	186	287.9	84.7
135.0	575	286.2	94.8
180.0	558	289.6	95.0
225.0	193	293.5	85.8
270.0	247	291.7	87.6
315.0	240	290.9	87.2

Database HAAT does not agree with computed HAAT
Database HAAT: 291 m Computed HAAT: 289 m

Proposal service area is within baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1268.8 km

Distance to Mexican border: 1577.7 km

Conditions at FCC monitoring station: Vero Beach FL
Bearing: 162.8 degrees Distance: 310.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 303.5 degrees Distance: 2400.3 km

No land mobile station failures found

Study cell size: 2.00 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 BLANK0000027036 CP, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOPX-TV	D14	DT	CP	MELBOURNE, FL	BLANK0000027036	
Undesireds:	WFOX-TV	D14	DT	BL	JACKSONVILLE, FL	DTVBL11909	246.4 km
	WFOX-TV	D14	DT	CP	JACKSONVILLE, FL	BLANK0000025123	246.4
	WVEN-TV	D15	DT	CP	DAYTONA BEACH, FL	BLANK0000028373	93.2
	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	157.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
31244.4	3,793,112	31236.3	3,793,054	30814.6	3,730,727	30814.6 3,730,727	0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
WFOX-TV D14 DT BL				201.1 23,283	108.8 13,741		
WFOX-TV D14 DT CP				201.1 23,283		108.8 13,741	
WVEN-TV D15 DT CP				313.0 48,586	220.6 39,044	220.6 39,044	

Interference to BLANK0000027036 CP, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOPX-TV	D14	DT	CP	MELBOURNE, FL	BLANK0000027036	
Undesireds:	WFOX-TV	D14	DT	BL	JACKSONVILLE, FL	DTVBL11909	246.4 km
	WFOX-TV	D14	DT	CP	JACKSONVILLE, FL	BLANK0000025123	246.4
	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	93.2
	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	157.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
31244.4	3,793,112	31236.3	3,793,054	30822.6	3,730,778	30822.6 3,730,778	0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
WFOX-TV D14 DT BL				201.1 23,283	108.8 13,741		
WFOX-TV D14 DT CP				201.1 23,283		108.8 13,741	
WVEN-TV D15 DT BL				304.9 48,535	212.6 38,993	212.6 38,993	

Interference to DTVBL67602 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOPX-TV	D14	DT	BL	MELBOURNE, FL	DTVBL67602	
Undesireds:	WFOX-TV	D14	DT	BL	JACKSONVILLE, FL	DTVBL11909	246.9 km
	WFOX-TV	D14	DT	CP	JACKSONVILLE, FL	BLANK0000025123	246.9
	WVEN-TV	D15	DT	CP	DAYTONA BEACH, FL	BLANK0000028373	93.7
	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	158.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
31924.7	3,813,609	31920.6	3,813,551	31454.8	3,745,552	31454.8 3,745,552	0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
WFOX-TV D14 DT BL				221.1 23,673	96.6 9,216		
WFOX-TV D14 DT CP				221.1 23,673		96.6 9,216	
WVEN-TV D15 DT CP				369.1 58,783	244.7 44,326	244.7 44,326	

Interference to DTVBL67602 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOPX-TV	D14	DT	BL	MELBOURNE, FL	DTVBL67602	
Undesireds:	WFOX-TV	D14	DT	BL	JACKSONVILLE, FL	DTVBL11909	246.9 km
	WFOX-TV	D14	DT	CP	JACKSONVILLE, FL	BLANK0000025123	246.9

WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	93.7
WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	158.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31924.7 3,813,609	31920.6 3,813,551	31474.9 3,747,320	31474.9 3,747,320	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WFOX-TV D14 DT BL 221.1	23,673	96.6 9,216	
WFOX-TV D14 DT CP 221.1	23,673	96.6 9,216	
WVEN-TV D15 DT BL 349.1	57,015	224.6 42,558	224.6 42,558

Interference to proposal, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFOX-TV	D14	DT	CP	JACKSONVILLE, FL	BLANK0000025123	
Undesireds:	WOPX-TV	D14	DT	CP	MELBOURNE, FL	BLANK0000027036	246.4 km
	WVEN-TV	D15	DT	CP	DAYTONA BEACH, FL	BLANK0000028373	153.3

Service area	Terrain-limited	IX-free	Percent IX
25871.4 1,603,324	25871.4 1,603,324	25815.5 1,601,121	0.22 0.14

Undesired	Total IX	Unique IX	Prcnt Unique IX
WOPX-TV D14 DT CP 55.8	2,203	55.8 2,203	0.22 0.14

Interference to proposal, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WFOX-TV	D14	DT	CP	JACKSONVILLE, FL	BLANK0000025123	
Undesireds:	WOPX-TV	D14	DT	BL	MELBOURNE, FL	DTVBL67602	246.9 km
	WVEN-TV	D15	DT	CP	DAYTONA BEACH, FL	BLANK0000028373	153.3

Service area	Terrain-limited	IX-free	Percent IX
25871.4 1,603,324	25871.4 1,603,324	25799.6 1,600,425	0.28 0.18

Undesired	Total IX	Unique IX	Prcnt Unique IX
WOPX-TV D14 DT BL 71.8	2,899	71.8 2,899	0.28 0.18