

tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: WVEN 130 KW-ND A, Model: Longley-Rice
Start: 2017.10.05 12:23:09

Study created: 2017.10.05 12:22:48

Study build station data: LMS TV 2017-10-03 (33)

Proposal: WVEN-TV D15 DT APP DAYTONA BEACH, FL
File number: WVEN 130 KW-ND A
Facility ID: 131
Station data: User record
Record ID: 1000
Country: U.S.
Zone: III

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WFOX-TV	D14	DT	BL	JACKSONVILLE, FL	DTVBL11909	153.2 km
WOPX-TV	D14	DT	CP	MELBOURNE, FL	BLANK0000027036	93.2
WOPX-TV	D14	DT	BL	MELBOURNE, FL	DTVBL67602	93.7
WBBH-TV	D15	DT	LIC	FORT MYERS, FL	BLCDT20030620AAA	237.2
WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	125.3
WRCF-CD	D16	DC	CP	ORLANDO, FL	BLANK0000024682	43.6
WRCF-CD	D16	DC	BL	ORLANDO, FL	DTVBL10549	39.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15
Latitude: 28 55 11.10 N (NAD83)
Longitude: 81 19 6.60 W
Height AMSL: 428.7 m
HAAT: 428.0 m
Peak ERP: 130 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.0

38.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	130 kW	409.8 m	93.4 km
45.0	130	412.8	93.6
90.0	130	414.1	93.6
135.0	130	423.6	94.2
180.0	130	418.0	93.9
225.0	130	423.3	94.2
270.0	130	420.9	94.0
315.0	130	422.9	94.2

Database HAAT does not agree with computed HAAT
Database HAAT: 428 m Computed HAAT: 418 m

**Proposal service area extends beyond baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1421.3 km

Distance to Mexican border: 1572.4 km

Conditions at FCC monitoring station: Vero Beach FL
Bearing: 155.2 degrees Distance: 160.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 306.1 degrees Distance: 2506.6 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 DTVBL11909 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFOX-TV	D14	DT	BL	JACKSONVILLE, FL	DTVBL11909	
Undesireds:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	153.2 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	153.2
	WOPX-TV	D14	DT	CP	MELBOURNE, FL	BLANK0000027036	246.4
Service area	25839.4	1,602,888	Terrain-limited	25839.4	1,602,888	IX-free, before	25791.5 1,600,882
						IX-free, after	25783.5 1,600,064
						Percent New IX	0.03 0.05
Undesired				Total IX	Unique IX, before	Unique IX, after	
WVEN-TV D15 DT BL		0.0		0	0.0	0	
WVEN-TV D15 DT APP		12.0		989		8.0	818
WOPX-TV D14 DT CP		47.9		2,006	47.9	43.9	1,835

Interference to DTVBL11909 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFOX-TV	D14	DT	BL	JACKSONVILLE, FL	DTVBL11909	
Undesireds:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	153.2 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	153.2
	WOPX-TV	D14	DT	BL	MELBOURNE, FL	DTVBL67602	246.9
Service area	25839.4	1,602,888	Terrain-limited	25839.4	1,602,888	IX-free, before	25771.5 1,600,056
						IX-free, after	25771.5 1,600,056
						Percent New IX	0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
WVEN-TV D15 DT BL		0.0		0	0.0	0	
WVEN-TV D15 DT APP		12.0		989		0.0	0
WOPX-TV D14 DT BL		67.8		2,832	67.8	55.8	1,843

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:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	93.2 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	93.2
	WFOX-TV	D14	DT	CP	JACKSONVILLE, FL	BLANK0000025123	246.4
	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	157.6
Service area	31244.4	3,793,112	Terrain-limited	31236.3	3,793,054	IX-free, before	30850.8 3,733,451
						IX-free, after	30646.1 3,722,158
						Percent New IX	0.66 0.30
Undesired				Total IX	Unique IX, before	Unique IX, after	
WVEN-TV D15 DT BL		304.9		48,535	216.6	40,424	
WVEN-TV D15 DT APP		517.7		60,288		421.3	51,717
WFOX-TV D14 DT CP		168.9		19,179	80.6	72.5	10,608

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:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	93.2 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	93.2
	WFOX-TV	D14	DT	BL	JACKSONVILLE, FL	DTVBL11909	246.4
	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	157.6
Service area	31244.4	3,793,112	Terrain-limited	31236.3	3,793,054	IX-free, before	30822.6 3,730,778
						IX-free, after	30617.9 3,719,485
						Percent New IX	0.66 0.30
Undesired				Total IX	Unique IX, before	Unique IX, after	
WVEN-TV D15 DT BL		304.9		48,535	212.6	38,993	
WVEN-TV D15 DT APP		517.7		60,288		417.3	50,286
WFOX-TV D14 DT BL		201.1		23,283	108.8	100.7	13,281

Interference to DTVBL67602 BL, scenario 1

Desired:	Call WOPX-TV	Chan D14	Svc DT	Status BL	City, State MELBOURNE, FL	File Number DTVBL67602	Distance
Undesireds:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	93.7 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	93.7
	WFOX-TV	D14	DT	CP	JACKSONVILLE, FL	BLANK0000025123	246.9
	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	31527.2	3,753,983	31298.4	3,735,263	0.73 0.50
Undesired				Total IX		Unique IX, before		Unique IX, after	
WVEN-TV D15 DT BL		349.1		57,015		244.7		45,351	
WVEN-TV D15 DT APP		577.9		75,735			473.5	64,071	
WFOX-TV D14 DT CP		148.8		14,217		44.4	44.4	2,553	

Interference to DTVBL67602 BL, scenario 2

Desired:	Call WOPX-TV	Chan D14	Svc DT	Status BL	City, State MELBOURNE, FL	File Number DTVBL67602	Distance
Undesireds:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	93.7 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	93.7
	WFOX-TV	D14	DT	BL	JACKSONVILLE, FL	DTVBL11909	246.9
	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	31262.2	3,731,038	0.68 0.43
Undesired				Total IX		Unique IX, before		Unique IX, after	
WVEN-TV D15 DT BL		349.1		57,015		224.6		42,558	
WVEN-TV D15 DT APP		577.9		75,735			437.3	58,840	
WFOX-TV D14 DT BL		221.1		23,673		96.6	80.6	9,216 6,778	

Interference to BLCDT20030620AAA LIC, scenario 1

Desired:	Call WBBH-TV	Chan D15	Svc DT	Status LIC	City, State FORT MYERS, FL	File Number BLCDT20030620AAA	Distance
Undesireds:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	237.2 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	237.2
	WOPX-TV	D14	DT	CP	MELBOURNE, FL	BLANK0000027036	154.9
	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	185.8

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	36107.3	2,046,391	36107.3	2,046,391	36107.3	2,046,391	36071.0	2,046,143	0.10 0.01
Undesired				Total IX		Unique IX, before		Unique IX, after	
WVEN-TV D15 DT BL		0.0		0		0.0		0	
WVEN-TV D15 DT APP		36.3		248			36.3	248	

Interference to BLCDT20071119AJB LIC, scenario 1

Desired:	Call WCJB-TV	Chan D16	Svc DT	Status LIC	City, State GAINESVILLE, FL	File Number BLCDT20071119AJB	Distance
Undesireds:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	125.3 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	125.3
	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	145.6
	WRCF-CD	D16	DC	CP	ORLANDO, FL	BLANK0000024682	165.9
	WJHG-TV	D16	DT	CP	PANAMA CITY, FL	BLANK0000025385	302.0
	WPBF	D16	DT	LIC	TEQUESTA, FL	BLANK0000001052	332.4
	WSAV-TV	D16	DT	CP	SAVANNAH, GA	BLANK0000027673	299.4
	WFXU	D17	DT	CP	LIVE OAK, FL	BLANK0000026640	127.2

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	18645.0	977,492	18645.0	977,492	18625.0	975,755	18601.0	975,644	0.13 0.01
Undesired				Total IX		Unique IX, before		Unique IX, after	
WVEN-TV D15 DT BL		4.0		206		0.0		0	
WVEN-TV D15 DT APP		28.0		317			24.0	111	
WPBF D16 DT LIC		4.0		206		0.0	0.0	0	
WSAV-TV D16 DT CP		20.1		1,737		16.1	16.1	1,531	

Interference to BLCDT20071119AJB LIC, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	
Undesireds:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	125.3 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	125.3
	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	145.6
	WRCF-CD	D16	DC	BL	ORLANDO, FL	DTVBL10549	156.4
	WJHG-TV	D16	DT	CP	PANAMA CITY, FL	BLANK0000025385	302.0
	WPBF	D16	DT	LIC	TEQUESTA, FL	BLANK0000001052	332.4
	WSAV-TV	D16	DT	CP	SAVANNAH, GA	BLANK0000027673	299.4
	WFXU	D17	DT	CP	LIVE OAK, FL	BLANK0000026640	127.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
18645.0	977,492	18645.0	977,492	18625.0	975,755	18601.0 975,644	0.13 0.01
Undesired			Total IX	Unique IX, before		Unique IX, after	
WVEN-TV D15 DT BL		4.0	206	0.0	0		
WVEN-TV D15 DT APP		28.0	317			24.0	111
WRCF-CD D16 DC BL		4.0	206	0.0	0	0.0	0
WPBF D16 DT LIC		4.0	206	0.0	0	0.0	0
WSAV-TV D16 DT CP		20.1	1,737	16.1	1,531	16.1	1,531

Interference to BLCDT20071119AJB LIC, scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	
Undesireds:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	125.3 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	125.3
	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	145.6
	WRCF-CD	D16	DC	CP	ORLANDO, FL	BLANK0000024682	165.9
	WJHG-TV	D16	DT	CP	PANAMA CITY, FL	BLANK0000025385	302.0
	WPBF	D16	DT	LIC	TEQUESTA, FL	BLANK0000001052	332.4
	WSAV-TV	D16	DT	BL	SAVANNAH, GA	DTVBL48662	299.4
	WFXU	D17	DT	CP	LIVE OAK, FL	BLANK0000026640	127.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
18645.0	977,492	18645.0	977,492	18633.0	977,056	18609.0 976,945	0.13 0.01
Undesired			Total IX	Unique IX, before		Unique IX, after	
WVEN-TV D15 DT BL		4.0	206	0.0	0		
WVEN-TV D15 DT APP		28.0	317			24.0	111
WPBF D16 DT LIC		4.0	206	0.0	0	0.0	0
WSAV-TV D16 DT BL		12.0	436	8.0	230	8.0	230

Interference to BLCDT20071119AJB LIC, scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	
Undesireds:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	125.3 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	125.3
	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	145.6
	WRCF-CD	D16	DC	BL	ORLANDO, FL	DTVBL10549	156.4
	WJHG-TV	D16	DT	CP	PANAMA CITY, FL	BLANK0000025385	302.0
	WPBF	D16	DT	LIC	TEQUESTA, FL	BLANK0000001052	332.4
	WSAV-TV	D16	DT	BL	SAVANNAH, GA	DTVBL48662	299.4
	WFXU	D17	DT	CP	LIVE OAK, FL	BLANK0000026640	127.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
18645.0	977,492	18645.0	977,492	18633.0	977,056	18609.0 976,945	0.13 0.01
Undesired			Total IX	Unique IX, before		Unique IX, after	
WVEN-TV D15 DT BL		4.0	206	0.0	0		
WVEN-TV D15 DT APP		28.0	317			24.0	111
WRCF-CD D16 DC BL		4.0	206	0.0	0	0.0	0
WPBF D16 DT LIC		4.0	206	0.0	0	0.0	0
WSAV-TV D16 DT BL		12.0	436	8.0	230	8.0	230

Interference to BLANK0000024682 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRCF-CD	D16	DC	CP	ORLANDO, FL	BLANK0000024682	

Undesireds:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	43.6 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	43.6
	WFTS-TV	D17	DT	CP	TAMPA, FL	BLANK0000026825	142.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
4639.2 1,796,441	4639.2 1,796,441	4639.2 1,796,441	4635.1 1,792,929	0.09 0.20

Undesired	Total IX	Unique IX, before	Unique IX, after
WVEN-TV D15 DT BL	0.0	0	0
WVEN-TV D15 DT APP	4.0	3,512	4.0 3,512

Interference to DTVBL10549 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRCF-CD	D16	DC	BL	ORLANDO, FL	DTVBL10549	
Undesireds:	WVEN-TV	D15	DT	BL	DAYTONA BEACH, FL	DTVBL131	39.9 km
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	39.9
	WPBF	D16	DT	LIC	TEQUESTA, FL	BLANK000001052	180.6
	WFTS-TV	D17	DT	CP	TAMPA, FL	BLANK0000026825	129.3
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
4780.2 1,820,391	4780.2 1,820,391	4776.2 1,820,390	4772.1 1,816,878	0.08 0.19			

Undesired	Total IX	Unique IX, before	Unique IX, after
WVEN-TV D15 DT BL	0.0	0	0
WVEN-TV D15 DT APP	8.0	3,513	4.0 3,512
WPBF D16 DT LIC	4.0	1	0.0 0

Interference to proposal, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	
Undesireds:	WFOX-TV	D14	DT	CP	JACKSONVILLE, FL	BLANK0000025123	153.3 km
	WOPX-TV	D14	DT	CP	MELBOURNE, FL	BLANK0000027036	93.2
	WBBH-TV	D15	DT	LIC	FORT MYERS, FL	BLCDT20030620AAA	237.2
	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	156.0
	WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	125.3
	WRCF-CD	D16	DC	CP	ORLANDO, FL	BLANK0000024682	43.6

Service area	Terrain-limited	IX-free	Percent IX
27690.7 3,451,383	27690.7 3,451,383	27198.1 3,435,148	1.78 0.47

Undesired	Total IX	Unique IX	Prcnt Unique IX
WOPX-TV D14 DT CP	424.5	11,128	1.52 0.32
WBBH-TV D15 DT LIC	16.1	0	0.04 0.00
WCJB-TV D16 DT LIC	55.9	5,107	0.20 0.15

Interference to proposal, scenario 2
0.88% interference

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVEN-TV	D15	DT	APP	DAYTONA BEACH, FL	WVEN 130 KW-ND A	
Undesireds:	WFOX-TV	D14	DT	CP	JACKSONVILLE, FL	BLANK0000025123	153.3 km
	WOPX-TV	D14	DT	BL	MELBOURNE, FL	DTVBL67602	93.7
	WBBH-TV	D15	DT	LIC	FORT MYERS, FL	BLCDT20030620AAA	237.2
	WZRA-CD	D15	DC	CP	OLDSMAR, FL	BLANK0000024820	156.0
	WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	125.3
	WRCF-CD	D16	DC	CP	ORLANDO, FL	BLANK0000024682	43.6

Service area	Terrain-limited	IX-free	Percent IX
27690.7 3,451,383	27690.7 3,451,383	27040.4 3,420,906	2.35 0.88

Undesired	Total IX	Unique IX	Prcnt Unique IX
WOPX-TV D14 DT BL	582.2	25,370	2.09 0.74
WBBH-TV D15 DT LIC	16.1	0	0.04 0.00
WCJB-TV D16 DT LIC	55.9	5,107	0.20 0.15