

# INTERFERENCE ANALYSIS FOR PROPOSED WSNN-LD, SARASOTA, FL, CHANNEL 26, DISPLACEMENT FACILITY

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: wsnn26p17s, Model: Longley-Rice

Study build station data: LMS TV 2018-03-15

Proposal: WSNN26P17S D26 LD APP SARASOTA, FL  
File number: wsnn26p17s  
Facility ID: 189978  
Station data: User record  
Record ID: 2417  
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	WBEC-TV	D25	DT	CP	BOCA RATON, FL	BLANK0000034849	271.3 km
Yes	WFTT-TV	D25	DT	LIC	VENICE, FL	BLANK0000001148	56.9
No	W25ER-D	D25	LD	CP	VERO BEACH, FL	BNPDTL20100723AHA	190.7
Yes	WXAX-CD	D26	DC	LIC	CLEARWATER, FL	BLANK0000001619	59.7
No	WGVF-LD	D26	LD	LIC	GAINESVILLE, FL	BLDTL20080605AAQ	266.7
No	W26DP-D	D26	LD	LIC	INVERNESS, FL	BLDTT20100122AAL	172.3
No	W26EB-D	D26	LD	CP	JENNINGS, FL	BNPDTL20100510ACD	367.3
No	WBIF	D26	DT	CP	MARIANNA, FL	BLANK0000031512	459.0
No	WLRN-TV	D26	DT	CP	MIAMI, FL	BLANK0000026166	271.5
No	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000003751	142.2
No	WHDN-CD	D26	DC	LIC	NAPLES, FL	BLANK0000001626	142.1
No	WKMG-TV	D26	DT	APP	ORLANDO, FL	BLANK0000035777	197.3
No	WKMG-TV	D26	DT	LIC	ORLANDO, FL	BLCDT20090618ABB	197.3
No	WXEL-TV	D27	DT	LIC	BOYNTON BEACH, FL	BLEDT20040713AAJ	236.0
No	WOCD-LP	D27	LD	CP	DUNNELLON, FL	BDFCDTL20110315ACE	153.0
No	WSFL-TV	D27	DT	CP	MIAMI, FL	BLANK0000036065	270.0
No	WRDQ	D27	DT	LIC	ORLANDO, FL	BLCDT20111011AJM	194.5
No	WBKH-LD	D27	LD	CP	Tampa, FL	BLANK0000001734	66.0
No	WBKH-LD	D27	LD	LIC	Tampa, FL	BLANK0000001682	40.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26

Mask: Stringent

Latitude: 27 20 27.00 N (NAD83)

Longitude: 82 27 54.00 W

Height AMSL: 156.5 m

HAAT: 0.0 m

Peak ERP: 14.9 kW

Antenna: MCX-LP-1900-5600-12 0.0 deg

Elev Pattn: Generic

Elec Tilt: 1.00

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.788 kW	150.0 m	32.8 km
45.0	0.611	144.5	31.2
90.0	5.91	145.0	42.9
135.0	14.5	148.1	47.6
180.0	12.9	149.6	47.2
225.0	14.0	153.6	47.8
270.0	14.0	153.4	47.8
315.0	10.0	149.2	45.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 149 m

Distance to Canadian border: 1593.4 km

Distance to Mexican border: 1443.5 km

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Conditions at FCC monitoring station: Vero Beach FL  
Bearing: 80.3 degrees Distance: 182.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 310.0 degrees Distance: 2526.3 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%

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Interference to BLANK0000001148 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFTT-TV	D25	DT	LIC	VENICE, FL	BLANK0000001148	
Undesireds:	WSNN26P17SD26	LD	APP		SARASOTA, FL	wsnn26p17s	56.9 km
	WYKE-CD	D24	DC	CP	INGLIS/YANKEETOWN, FL	BLANK0000034911	121.0
	WDSC-TV	D24	DT	CP	NEW SMYRNA BEACH, FL	BLANK0000028317	146.8
	WWSB	D24	DT	APP	SARASOTA, FL	BLANK0000035646	30.8
	WBEC-TV	D25	DT	CP	BOCA RATON, FL	BLANK0000034849	289.0
	WJGV-CD	D25	DC	LIC	PALATKA, FL	BLDTA20110519ACL	203.2
	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000003751	185.2
	WKMG-TV	D26	DT	APP	ORLANDO, FL	BLANK0000035777	146.8
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	32866.9	4,523,954	32864.9	4,522,760	32491.5	4,484,581	31777.9 4,474,413 2.20 0.23

Undesired	Total IX	Unique IX, before	Unique IX, after
WSNN26P17S D26 LD APP 713.6	10,168		713.6 10,168
WYKE-CD D24 DC CP 137.7	5,537	135.7 5,512	135.7 5,512
WDSC-TV D24 DT CP 3.0	99	0.0 0	0.0 0
WBEC-TV D25 DT CP 3.0	39	3.0 39	3.0 39
WJGV-CD D25 DC LIC 2.0	25	0.0 0	0.0 0
WKMG-TV D26 DT APP 232.7	32,603	229.7 32,504	229.7 32,504

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Interference to BLANK0000001619 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WXAX-CD	D26	DC	LIC	CLEARWATER, FL	BLANK0000001619	
Undesireds:	WSNN26P17SD26	LD	APP		SARASOTA, FL	wsnn26p17s	59.7 km
	WFTT-TV	D25	DT	LIC	VENICE, FL	BLANK0000001148	3.1
	WLRN-TV	D26	DT	CP	MIAMI, FL	BLANK0000026166	291.7
	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000003751	188.3
	WKMG-TV	D26	DT	APP	ORLANDO, FL	BLANK0000035777	145.2
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	4270.2	2,069,633	4270.2	2,069,633	2859.1	1,835,887	2711.2 1,833,009 5.18 0.16

Undesired	Total IX	Unique IX, before	Unique IX, after
WSNN26P17S D26 LD APP 336.9	17,711		148.0 2,878
WFTT-TV D25 DT LIC 1410.0	233,708	1408.0 233,583	1220.1 218,750
WKMG-TV D26 DT APP 3.0	163	1.0 38	1.0 38

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSNN26P17SD26	LD	APP		SARASOTA, FL	wsnn26p17s	
Undesireds:	WXAX-CD	D26	DC	LIC	CLEARWATER, FL	BLANK0000001619	59.7 km
	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000003751	142.2
	WKMG-TV	D26	DT	APP	ORLANDO, FL	BLANK0000035777	197.3
	WBKH-LD	D27	LD	CP	Tampa, FL	BLANK0000001734	66.0

	Service area		Terrain-limited		IX-free		Percent IX
	5948.3	711,694	5948.3	711,694	5630.3	710,121	5.35 0.22

  

Undesired		Total IX		Unique IX		Prcnt Unique IX
WXAX-CD D26 DC LIC		318.0	1,573	318.0	1,573	5.35 0.22

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