

# INTERFERENCE ANALYSIS FOR PROPOSED WBEC-TV BOCA RATON, FL (CHANNEL 25)

tvstudy v2.2.3 (Dxtpx3)  
Database: localhost, Study: wbec25m5, Model: Longley-Rice

Study build station data: LMS TV 2017-11-02 (79)

Proposal: WBEC25M5 D25 DT APP BOCA RATON, FL  
File number: wbec25m5  
Facility ID: 51349  
Station data: User record  
Record ID: 1677  
Country: U.S.  
Zone: III

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
WVEA-TV	D25	DT	LIC	VENICE, FL	BLANK0000001148	289.0 km

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25  
Latitude: 25 59 10.00 N (NAD83)  
Longitude: 80 11 36.30 W  
Height AMSL: 287.4 m  
HAAT: 285.0 m  
Peak ERP: 1000 kW  
Antenna: TBD-TBD (ID 1001850) 0.0 deg  
Elev Pattn: Generic  
Elec Tilt: 0.8

39.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	994 kW	285.7 m	97.4 km
45.0	156	286.4	81.4
90.0	34.2	286.8	72.7
135.0	33.5	286.9	72.6
180.0	229	285.5	84.0
225.0	999	285.8	97.5
270.0	146	286.0	80.9
315.0	211	285.8	83.4

Database HAAT does not agree with computed HAAT  
Database HAAT: 285 m Computed HAAT: 286 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: 1755.7 km

Distance to Mexican border: 1670.6 km

Conditions at FCC monitoring station: Vero Beach FL  
Bearing: 346.4 degrees Distance: 185.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 310.4 degrees Distance: 2795.8 km

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%

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Interference to BLANK0000001148 LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVEA-TV	D25	DT	LIC	VENICE, FL	BLANK0000001148	
Undesireds:	WBEC-TV	D25	DT	BL	BOCA RATON, FL	DTVBL51349	289.0 km
	WBEC25M5	D25	DT	APP	BOCA RATON, FL	wbec25m5	289.0
	WYKE-CD	D24	DC	CP	INGLIS/YANKEETOWN, FL	BLANK0000027330	121.0
	WDSC-TV	D24	DT	CP	NEW SMYRNA BEACH, FL	BLANK0000028317	146.8
	WWSB	D24	DT	APP	SARASOTA, FL	BLANK0000003716	30.8
	WJGV-CD	D25	DC	LIC	PALATKA, FL	BLDTA20110519ACL	203.2
	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000003751	185.2
	WKMG-TV	D26	DT	LIC	ORLANDO, FL	BLCDT20090618ABB	146.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
32904.6 4,523,828		32900.6 4,521,879		32682.3 4,500,495		32682.3 4,500,495	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WBEC-TV D25 DT BL		4.1 42		4.1 42			
WBEC25M5 D25 DT APP		4.1 42				4.1 42	
WDSC-TV D24 DT CP		4.0 149		0.0 0		0.0 0	
WJGV-CD D25 DC LIC		4.0 176		4.0 176		4.0 176	
WKMG-TV D26 DT LIC		210.2 21,166		206.2 21,017		206.2 21,017	

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Interference to BLANK0000001148 LIC, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVEA-TV	D25	DT	LIC	VENICE, FL	BLANK0000001148	
Undesireds:	WBEC-TV	D25	DT	BL	BOCA RATON, FL	DTVBL51349	289.0 km
	WBEC25M5	D25	DT	APP	BOCA RATON, FL	wbec25m5	289.0
	WYKE-CD	D24	DC	CP	INGLIS/YANKEETOWN, FL	BLANK0000027330	121.0
	WDSC-TV	D24	DT	BL	NEW SMYRNA BEACH, FL	DTVBL12171	146.8
	WWSB	D24	DT	APP	SARASOTA, FL	BLANK0000003716	30.8
	WJGV-CD	D25	DC	LIC	PALATKA, FL	BLDTA20110519ACL	203.2
	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000003751	185.2
	WKMG-TV	D26	DT	LIC	ORLANDO, FL	BLCDT20090618ABB	146.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
32904.6 4,523,828		32900.6 4,521,879		32682.3 4,500,495		32682.3 4,500,495	0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WBEC-TV D25 DT BL		4.1 42		4.1 42			
WBEC25M5 D25 DT APP		4.1 42				4.1 42	
WDSC-TV D24 DT BL		4.0 149		0.0 0		0.0 0	
WJGV-CD D25 DC LIC		4.0 176		4.0 176		4.0 176	
WKMG-TV D26 DT LIC		210.2 21,166		206.2 21,017		206.2 21,017	

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Interference to proposal, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBEC25M5	D25	DT	APP	BOCA RATON, FL	wbec25m5	
Undesireds:	WAMI-DT	D24	DT	CP	HOLLYWOOD, FL	BLANK0000025092	0.0 km
	WLRN-TV	D26	DT	CP	MIAMI, FL	BLANK0000026166	0.8
	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000003751	163.5
Service area		Terrain-limited		IX-free		Percent IX	
22284.9 5,421,355		22284.9 5,421,355		22284.9 5,421,355		0.00 0.00	