tvstudy v2.2.2
Database: localhost, Study: WSFL-P6, Model: Longley-Rice
Start: 2017.06.30

Study created: 2017.06.30

Study build station data: LMS TV 2017-06-29 (13)

    Proposal: WSFL-P6 D27 DT APP MIAMI, FL
 File number: WSFL-P6
 Facility ID: 10203
Station data: User record
   Record ID: 522
     Country: U.S.
        Zone: III

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WLRN-TV	D26	DT	BL	MIAMI, FL	DTVBL66358	2.9 km
WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000003751	161.0
WHDN-CD	D26	DC	LIC	NAPLES, FL	BLANK0000001626	161.0
WRDQ	D27	DT	LIC	ORLANDO, FL	BLCDT20111011AJM	300.5
WHFT-TV	D28	DT	BL	MIAMI, FL	DTVBL67971	5.5
WZVN-TV	D28	DT	BL	NAPLES, FL	DTVBL19183	180.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D27
   Latitude: 25 58 8.00 N (NAD83)
  Longitude: 80 13 19.00 W
Height AMSL: 241.4 m
       HAAT: 240.0 m
   Peak ERP: 900 kW
    Antenna: DIE-TFU-12DSC/VP-R P270BNT 0.0 deg

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	898 kW	239.8 m	88.9 km
45.0	152	239.8	76.9
90.0	61.3	240.5	72.2
135.0	47.0	239.8	70.8
180.0	420	239.1	82.4
225.0	673	240.2	86.1
270.0	241	237.7	79.1
315.0	113	240.0	75.3

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

Distance to Canadian border: 1757.3 km

Distance to Mexican border: 1667.8 km

Conditions at FCC monitoring station: Vero Beach FL
Bearing: 347.4 degrees   Distance: 186.5 km
ERP: 732 kW   Field strength: 26.6 dBu, 0.0 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 310.5 degrees   Distance: 2794.9 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%

Interference to DTVBL66358 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL66358 BL, scenario 2
Proposal causes no interference.

Interference to BLANK0000003751 CP, scenario 1
Proposal causes no interference.

Interference to BLANK0000001626 LIC, scenario 1
Proposal causes no interference.

Interference to BLCDT20111011AJM LIC, scenario 1
Proposal causes no interference.

Interference to DTVBL67971 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL67971 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL19183 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL19183 BL, scenario 2
Proposal causes no interference.

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSFL-P6	D27	DT	APP	MIAMI, FL	WSFL-P6	
Undesireds:	WLRN-TV	D26	DT	BL	MIAMI, FL	DTVBL66358	2.9 km
	WHDN-CD	D26	DC	CP	NAPLES, FL	BLANK0000003751	161.0
	WRDQ	D27	DT	LIC	ORLANDO, FL	BLCDT20111011AJM	300.5
	WHFT-TV	D28	DT	BL	MIAMI, FL	DTVBL67971	5.5

Service area		Terrain-limited		IX-free		Percent IX	
19638.2	5,270,787	19638.2	5,270,787	19638.2	5,270,787	0.00	0.00

Interference to proposal, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSFL-P6	D27	DT	APP	MIAMI, FL	WSFL-P6	
Undesireds:	WLRN-TV	D26	DT	BL	MIAMI, FL	DTVBL66358	2.9 km
	WHDN-CD	D26	DC	LIC	NAPLES, FL	BLANK0000001626	161.0
	WRDQ	D27	DT	LIC	ORLANDO, FL	BLCDT20111011AJM	300.5
	WHFT-TV	D28	DT	BL	MIAMI, FL	DTVBL67971	5.5

Service area		Terrain-limited		IX-free		Percent IX	
19638.2	5,270,787	19638.2	5,270,787	19638.2	5,270,787	0.00	0.00