tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Panama27d100wCL1469at100S, Model: Longley-Rice
Start: 2022.08.16 08:16:56

Study created: 2022.08.16 08:16:56

Study build station data: LMS TV 2022-08-16

    Proposal: W27EO-D D27 LD APP PANAMA CITY, FL
 Facility ID: 188830
Station data: User record
   Record ID: 879
     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	WEDS-LD	D26	LD	LIC	MOBILE, AL	BLANK0000193624	199.5 km
No	WBIF	D26	DT	LIC	MARIANNA, FL	BLANK0000190006	44.5
No	DW26BV	N26-	TX	APP	PANAMA CITY, FL	BLTTL20001201ABZ	85.3
No	WBUN-LD	D27	LD	LIC	BIRMINGHAM, AL	BLDTL20130909ACA	379.6
No	WGEI-LD	D27	LD	LIC	ENTERPRISE, AL	BLANK0000194768	129.7
No	WFNA	D27	DT	LIC	GULF SHORES, AL	BLANK0000120977	204.8
No	WWBH-LD	N27	TX	LIC	MOBILE, AL	BLTTL19931029II	177.7
No	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	249.2
No	W27EP-D	D27	LD	LIC	DESTIN, FL	BLANK0000177339	75.6
No	WOCD-LD	D27	LD	LIC	DUNNELLON, FL	BLANK0000154197	344.5
No	WOCD-LD	D27	LD	CP	DUNNELLON, FL	BLANK0000188883	366.5
No	WOCD-LD	N27-	TX	LIC	DUNNELLON, FL	BLTTL20090331AEX	326.6
No	WYME-CD	D27	DC	LIC	GAINESVILLE, FL	BLANK0000098965	314.6
No	WWRJ-LD	D27	LD	CP	JACKSONVILLE, FL	BLANK0000150180	404.0
No	WTXL-TV	D27	DT	LIC	TALLAHASSEE, FL	BLCDT20090217ABY	181.3
No	WTBT-LD	D27	LD	LIC	TAMPA, FL	BLANK0000179693	428.9
No	WAGA-TV	D27	DT	LIC	ATLANTA, GA	BLANK0000152298	424.1
No	W27DK-D	D27	LD	LIC	COLUMBUS, GA	BLANK0000195926	255.4

No	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000109373	411.3
No	W27EH-D	D27z	LD	LIC	HATTIESBURG, MS	BLANK0000158095	359.6
No	WWBH-LD	D28	LD	LIC	MOBILE, AL	BLANK0000107240	185.4
No	WMCF-TV	D28	DT	LIC	MONTGOMERY, AL	BLANK0000107502	250.0
No	W28FD-D	D28	LD	LIC	GREENVILLE, FL	BLANK0000158119	214.7
No	WFSG	D28	DT	LIC	PANAMA CITY, FL	BLANK0000064507	24.9

Non-directional AM stations within 0.8 km:
WPCF 1290 L ND2 D PANAMA CITY BEACH, FL BL19880713AF
WPCF 1290 L ND2 N PANAMA CITY BEACH, FL BL19880713AF
WLTG 1430 L ND2 D UPPER GRAND LAGOON, FL BL20200827AAB
WLTG 1430 L ND2 N UPPER GRAND LAGOON, FL BL20200827AAB

No directional AM stations found within 3.2 km

Record parameters as studied:

```
    Channel: D27
       Mask: Simple
   Latitude:  30 11  1.00 N (NAD83)
  Longitude:  85 46 33.60 W
Height AMSL: 15.0 m (Adjusted based on actual ground elevation calculation)
       HAAT: 0.0 m
   Peak ERP: 0.100 kW
    Antenna: SCA-CL-1469 (ID 20778) 100.0 deg
Elev Pattrn: Generic
```

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	13.9 m	2.2 km
45.0	0.000	14.4	2.3
90.0	0.090	7.8	9.7
135.0	0.024	14.3	7.1
180.0	0.000	15.0	2.2
225.0	0.000	15.0	2.2
270.0	0.000	14.7	2.2
315.0	0.000	12.9	2.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 14 m

Distance to Canadian border: 1307.2 km

Distance to Mexican border: 1188.4 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 13.4 degrees Distance: 420.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 307.4 degrees Distance: 2077.0 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%

Interference to proposal scenario 1
30.42% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W27EO-D	D27	LD	APP	PANAMA CITY, FL		
Undesireds:	WBIF	D26	DT	LIC	MARIANNA, FL	BLANK0000190006	44.5 km
	WFNA	D27	DT	LIC	GULF SHORES, AL	BLANK0000120977	204.8
	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	249.2
	W27EP-D	D27	LD	LIC	DESTIN, FL	BLANK0000177339	75.6
	WTXL-TV	D27	DT	LIC	TALLAHASSEE, FL	BLCDT20090217ABY	181.3
	WFSG	D28	DT	LIC	PANAMA CITY, FL	BLANK0000064507	24.9

Service area	Terrain-limited	IX-free	Percent IX

69.1	29,841	69.1	29,841	50.1	20,764	27.54	30.42

Undesired		Total IX		Unique IX	Prcnt Unique IX	
WBIF D26 DT LIC	2.0	696	0.0	0	0.00	0.00
WFNA D27 DT LIC	5.0	2,054	0.0	0	0.00	0.00
WAIQ D27 DT LIC	1.0	1,112	0.0	0	0.00	0.00
W27EP-D D27 LD LIC	5.0	2,054	0.0	0	0.00	0.00
WTXL-TV D27 DT LIC	8.0	3,303	0.0	0	0.00	0.00
WFSG D28 DT LIC	19.0	9,077	11.0	5,774	15.94	19.35