Note:
Study cell size: 1.00 km
Profile point spacing: 0.10 km

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: W50ER_Ch14_Omni_MoveHgt_Pre, Model: Longley-Rice
Start: 2019.05.31 14:05:48

Study created: 2019.05.31 13:44:23

Study build station data: LMS TV 2019-05-31

    Proposal: W50ER-D D14 LD APP PANAMA CITY, FL
 File number: W50ER_Ch14_Omni_MoveHgt
 Facility ID: 188831
Station data: User record
   Record ID: 987
     Country: U.S.

Build options:
Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Search options:
Baseline record excluded if station has CP
All records for new LPTV stations excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WDBB	D14	DT	CP	BESSEMER, AL	BLANK0000055196	411.2 km
Yes	WFRW-LD	D14	LD	CP	ENTERPRISE, AL	BLANK0000054045	89.3
No	W14DT-D	D14	LD	CP	MONTGOMERY, AL	BNPDTL20100402ACY	254.2
Yes	W14DH-D	D14	LD	CP	CHIPLEY, FL	BNPDTL20090825AVP	69.0
Yes	WFGX	D14	DT	CP	FORT WALTON BEACH, FL	BLANK0000034394	204.3
No	WTBZ-LP	D14z	LD	CP	GAINESVILLE, FL	BLANK0000054883	303.8
No	WFOX-TV	D14	DT	CP	JACKSONVILLE, FL	BLANK0000034616	386.5
No	WPDS-LD	D14	LD	LIC	LARGO, ETC., FL	BLDTL20090511AZC	366.5
No	W48DV-D	D14	LD	APP	TALLAHASSEE, FL	BLANK0000071780	131.5
No	WCEG-LD	D14	LD	APP	ALBANY, GA	BLANK0000071915	202.2
No	WAGC-LD	D14	LD	LIC	ATLANTA, GA	BLDTL20130829AEC	425.7
No	W14E1-D	D14	LD	CP	BYROMVILLE, GA	BNPDTL20100510AFS	284.6
No	W14DU-D	D14	LD	CP	COLUMBUS, GA	BNPDTL20100423ACJ	272.2
No	W14EK-D	D14	LD	CP	DUBLIN, GA	BNPDTL20100510AGZ	365.4
No	W14CQ	N14+	TX	LIC	VIDALIA, GA	BLTT20040915ADW	374.2
No	W14DV-D	D14	LD	CP	PURVIS, MS	BNPDTL20100510AFA	378.4
No	WPMI-TV	D15	DT	LIC	MOBILE, AL	BLCDT20090618ABA	200.8
No	W44DL-D	D15	LD	APP	PANAMA CITY, FL	BLANK0000071933	9.4
No	WRBL	D15	DT	LIC	COLUMBUS, GA	BLCDT20061013ABV	255.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D14
       Mask: Full Service
   Latitude: 30 7 37.40 N (NAD83)
  Longitude: 85 35 24.50 W
Height AMSL: 64.3 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: Omnidirectional
Elev Pattrn: Generic

48.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	54.9 m	38.5 km
45.0	15.0	51.3	37.6
90.0	15.0	58.5	39.2
135.0	15.0	64.3	40.2
180.0	15.0	62.7	39.9

225.0 15.0 63.4 40.0
270.0 15.0 63.5 40.1
315.0 15.0 58.0 39.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 60 m

Distance to Canadian border: 1310.0 km

Distance to Mexican border: 1203.0 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 10.9 degrees Distance: 423.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 307.3 degrees Distance: 2095.0 km

No land mobile station failures found

Study cell size: 1.00 km
Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000054045 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFRW-LD	D14	LD	CP	ENTERPRISE, AL	BLANK0000054045	
Undesireds:	W50ER-D	D14	LD	APP	PANAMA CITY, FL	W50ER_Ch14_Omni_MoveHg	89.3 km
	W14DH-D	D14	LD	CP	CHIPLEY, FL	BNPDTL20090825AVP	25.8
	WFGX	D14	DT	CP	FORT WALTON BEACH, FL	BLANK0000034394	185.0
	W48DV-D	D14	LD	APP	TALLAHASSEE, FL	BLANK0000071780	147.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
11259.1	331,118	11233.8	330,844	10932.1	323,424	10617.2	319,057	2.88	1.35

Undesired	Total IX		Unique IX, before		Unique IX, after	
W50ER-D D14 LD APP	327.9	4,458			314.9	4,367
W14DH-D D14 LD CP	244.2	6,796	241.2	6,748	237.2	6,710
WFGX D14 DT CP	56.5	662	52.6	610	46.6	561
W48DV-D D14 LD APP	5.0	14	4.0	10	3.0	10

Interference to BNPDTL20090825AVP CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W14DH-D	D14	LD	CP	CHIPLEY, FL	BNPDTL20090825AVP	
Undesireds:	W50ER-D	D14	LD	APP	PANAMA CITY, FL	W50ER_Ch14_Omni_MoveHg	69.0 km
	WFRW-LD	D14	LD	CP	ENTERPRISE, AL	BLANK0000054045	25.8
	WFGX	D14	DT	CP	FORT WALTON BEACH, FL	BLANK0000034394	199.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
1302.4	28,480	1297.4	28,366	227.8	5,908	226.8	5,897	0.44	0.19

Undesired	Total IX		Unique IX, before		Unique IX, after	
W50ER-D D14 LD APP	33.0	227			1.0	11
WFRW-LD D14 LD CP	1067.7	22,458	1025.8	21,593	997.8	21,410
WFGX D14 DT CP	43.9	865	2.0	0	1.0	0

Interference to BLANK0000034394 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFGX	D14	DT	CP	FORT WALTON BEACH, FL	BLANK0000034394	
Undesireds:	W50ER-D	D14	LD	APP	PANAMA CITY, FL	W50ER_Ch14_Omni_MoveHg	204.3 km

	WDBB	D14	DT	CP	BESSEMER, AL	BLANK0000055196	319.3
	WDBD	D14	DT	LIC	JACKSON, MS	BLANK0000064020	314.8
	WPMI-TV	D15	DT	LIC	MOBILE, AL	BLCDT20090618ABA	3.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
43851.4	1,493,371	43665.6	1,493,107	43180.7	1,490,719	43156.7	1,490,525	0.06	0.01

Undesired		Total IX		Unique IX, before		Unique IX, after	
W50ER-D D14 LD APP	24.1	194				24.1	194
WDBB D14 DT CP	245.6	1,084	194.8	737	194.8	737	
WDBD D14 DT LIC	289.1	1,651	238.3	1,304	238.3	1,304	
WPMI-TV D15 DT LIC	1.0	0	1.0	0	1.0	0	

Interference to proposal scenario 1
3.38% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W50ER-D	D14	LD	APP	PANAMA CITY, FL	W50ER_Ch14_Omni_MoveHg	
Undesireds:	WFRW-LD	D14	LD	CP	ENTERPRISE, AL	BLANK0000054045	89.3 km
	WFGX	D14	DT	CP	FORT WALTON BEACH, FL	BLANK0000034394	204.3

Service area		Terrain-limited		IX-free		Percent IX	
4843.1	174,384	4843.1	174,384	4393.1	168,491	9.29	3.38

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WFRW-LD D14 LD CP	435.0	5,011	435.0	5,011	8.98	2.87
WFGX D14 DT CP	15.0	882	15.0	882	0.31	0.51