

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: W08EI-D_PROP_3KW 513.6M CC AZ355 1X.11, Model: Longley-Rice
Start: 2018.07.15 19:13:47

Study created: 2018.07.15 19:13:47

Study build station data: LMS TV 2018-07-13

Proposal: W08EI-D-PRO D8 LD APP GUAYNABO, PR
File number: W08EI-D_PROP_3KW 513.6M CC AZ355
Facility ID: 182428
Station data: User record
Record ID: 334
Country: U.S.

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

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WSTE-DT	D7	DD	LIC	PONCE, PR	BLCDT20120720ADV	66.0 km
Yes	W08EJ-D	D8	LD	LIC	ANASCO, PR	BLDVL20140529AAN	130.7
No	W08AB	N8	TX	LIC	GUAYAMA, PR	BLTTV19891030JK	33.3
Yes	W08EH-D	D8	LD	LIC	PONCE, PR	BLANK0000029243	66.0
No	W09AT	N9	TX	LIC	FAJARDO, PR	BLTTV4217	31.2
Yes	WSUR-DT	D9	DT	LIC	PONCE, PR	BLCDT20090616ACM	68.0
Yes	WSUR-DT	D9	DT	APP	PONCE, PR	BMPCDT20091113ADM	68.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D8
Mask: Full Service
Latitude: 18 16 46.40 N (NAD83)
Longitude: 65 56 35.80 W
Height AMSL: 513.6 m
HAAT: 344.6 m
Peak ERP: 3.00 kW
Antenna: SCA-DRVSMR_45-215-0.3F_180 355.0 deg
Elev Pattn: Generic
Elec Tilt: 1.50

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.86 kW	447.6 m	70.8 km

45.0	2.62	418.0	68.5
90.0	0.859	-78.0	22.6
135.0	0.109	400.0	43.6
180.0	0.759	340.5	54.8
225.0	0.070	392.1	39.8
270.0	1.29	392.8	61.9
315.0	2.68	443.6	70.0

Distance to Canadian border: 2946.5 km

Distance to Mexican border: 3293.7 km

Conditions at FCC monitoring station: Santa Isabel PR
 Bearing: 236.3 degrees Distance: 54.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 311.4 degrees Distance: 4464.6 km

Study cell size: 1.00 km
Profile point spacing: 0.11 km (HIGHER RESOLUTION REQUESTED)

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

Interference to BLCDT20120720ADV LIC scenario 1									
	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WSTE-DT	D7	DD	LIC	PONCE, PR	BLCDT20120720ADV			
Undesireds:	W08EI-D-PROD8	LD	APP		GUAYNABO, PR	W08EI-D_PROP_3KW	513.6	66.0	km
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
46981.8	3,723,967	46328.3	3,627,650	46328.33	3,627,650	46327.3	3,626,948	0.00	0.02
Undesired	Total IX			Unique IX, before		Unique IX, after			
W08EI-D-PRO D8 LD APP				1.0	702	1.0	702		

Interference to BLDVL20140529AAN LIC scenario 1									
	Call	Chan	Svc	Status	City, State	File Number			
Distance									
Desired:	W08EJ-D	D8	LD	LIC	ANASCO, PR	BLDVL20140529AAN			

Undesireds:	W08EI-D-PROD8	LD	APP	GUAYNABO, PR	W08EI-D_PROP_3KW	513.6	130.7 km
	WSTE-DT	D7	DD	LIC	PONCE, PR	BLCDT20120720ADV	68.6
	W08EH-D	D8	LD	LIC	PONCE, PR	BLANK0000029243	68.6
	WSUR-DT	D9	DT	LIC	PONCE, PR	BLCDT20090616ACM	65.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
1448.5 293,373	1414.1 284,938	1297.8 236,819	1291.9 236,819	0.45 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W08EI-D-PRO D8 LD APP	5.9 0	5.9 0	5.9 0
WSTE-DT D7 DD LIC	116.3 48,119	113.3 44,468	113.3 44,468
W08EH-D D8 LD LIC	3.0 3,651	0.0 0	0.0 0

Interference to BLDVL20140529AAN LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: W08EJ-D	D8	LD	LIC	ANASCO, PR	BLDVL20140529AAN	

Undesireds:	W08EI-D-PROD8	LD	APP	GUAYNABO, PR	W08EI-D_PROP_3KW	513.6	130.7 km
	WSTE-DT	D7	DD	LIC	PONCE, PR	BLCDT20120720ADV	68.6
	W08EH-D	D8	LD	LIC	PONCE, PR	BLANK0000029243	68.6
	WSUR-DT	D9	DT	APP	PONCE, PR	BMPCDT20091113ADM	65.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
1448.5 293,373	1414.1284,938	1293.8 236,819	1288.9 236,819	0.38 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W08EI-D-PRO D8 LD APP	5.9 0	4.9 0	5.9 0
WSTE-DT D7 DD LIC	116.3 48,119	113.3 44,468	113.3 44,468
W08EH-D D8 LD LIC	3.0 3,651	0.0 0	0.0 0
WSUR-DT D9 DT APP	3.9 0	3.9 0	2.9 0

Interference to BLANK0000029243 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: W08EH-D	D8	LD	LIC	PONCE, PR	BLANK0000029243	

Undesireds:	W08EI-D-PROD8	LD	APP	GUAYNABO, PR	W08EI-D_PROP_3KW	513.6	66.0 km
	WSTE-DT	D7	DD	LIC	PONCE, PR	BLCDT20120720ADV	0.0
	W08EJ-D	D8	LD	LIC	ANASCO, PR	BLDVL20140529AAN	68.6
	W08AB	N8	TX	LIC	GUAYAMA, PR	BLTTTV19891030JK	47.9
	WSUR-DT	D9	DT	LIC	PONCE, PR	BLCDT20090616ACM	3.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
15071.2 1,699,238	13633.1 1,259,870	13466.6 1,228,606	13226.6 1,219,226	1.78 0.76

Undesired	Total IX	Unique IX, before	Unique IX, after
W08EI-D-PRO D8 LD APP	307.9 20,160	240.0 9,380	307.9 20,160

WSTE-DT D7 DD LIC	25.6	9,156	21.7	7,883	11.8	2,817
W08EJ-D D8 LD LIC	40.4	5,036	34.5	4,107	34.5	4,107
W08AB N8 TX LIC	6.9	7,611	6.9	7,611	6.9	7,611
WSUR-DT D9 DT LIC	100.4	10,917	96.5	10,207	39.4	5,020

Interference to BLANK0000029243 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W08EH-D	D8	LD	LIC	PONCE, PR	BLANK0000029243	
Undesireds:	W08EI-D-PROD8	D8	LD	APP	GUAYNABO, PR	W08EI-D_PROP_3KW	513.6 66.0 km
	WSTE-DT	D7	DD	LIC	PONCE, PR	BLCDDT20120720ADV	0.1
	W08EJ-D	D8	LD	LIC	ANASCO, PR	BLDVL20140529AAN	68.6
	W08AB	N8	TX	LIC	GUAYAMA, PR	BLTTTV19891030JK	47.9
	WSUR-DT	D9	DT	APP	PONCE, PR	BMPCDDT20091113ADM	3.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
15071.2 1,699,238	13633.1 1,259,870	13298.5 1,224,641	13188.3 1,215,261	0.83 0.77

Undesired	Total IX	Unique IX, before	Unique IX, after
W08EI-D-PRO D8 LD APP	307.9 20,160		110.2 9,380
WSTE-DT D7 DD LIC	25.6 9,156	19.7 6,875	11.8 2,817
W08EJ-D D8 LD LIC	40.4 5,036	33.5 4,107	33.5 4,107
W08AB N8 TX LIC	6.9 7,611	6.9 7,611	6.9 7,611
WSUR-DT D9 DT APP	271.5 15,890	264.6 14,172	77.8 8,985

Interference to BLCDDT20090616ACM LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSUR-DT	D9	DT	LIC	PONCE, PR	BLCDDT20090616ACM	
Undesireds:	W08EI-D-PROD8	D8	LD	APP	GUAYNABO, PR	W08EI-D_PROP_3KW	513.6 68.0 km
	W10BG-D	D10	DC	LIC	MAYAGUEZ, PR	BLANK0000001598	65.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
51096.5 3,716,156	50654.2 3,653,385	50650.3 3,650,887	50616.8 3,632,658	0.07 <u>0.50</u>

Undesired	Total IX	Unique IX, before	Unique IX, after
W08EI-D-PRO D8 LD APP	33.5 18,229		33.5 18,229
W10BG-D D10 DC LIC	3.9 2,498	3.9 2,498	3.9 2,498

Interference to BMPCDDT20091113ADM APP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSUR-DT	D9	DT	APP	PONCE, PR	BMPCDDT20091113ADM	

Undesireds:	W08EI-D-PROD8	LD	APP	GUAYNABO, PR	W08EI-D_PROP_3KW	513.6	68.0 km
	W10BG-D D10	DC	LIC	MAYAGUEZ, PR	BLANK0000001598		65.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
57829.4 3,723,930	57363.6 3,674,626	57361.7 3,672,755	57343.9 3,665,861	0.03 0.19

Undesired	Total IX	Unique IX, before	Unique IX, after
W08EI-D-PRO D8 LD APP	17.7 6,894		17.7 6,894
W10BG-D D10 DC LIC	2.0 1,871	2.0 1,871	2.0 1,871

Interference to proposal scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W08EI-D-PROD8	LD	APP	GUAYNABO, PR	W08EI-D_PROP_3KW	513.6

Undesireds:	WSTE-DT	D7	DD	LIC	PONCE, PR	BLCDT20120720ADV	66.0 km
	W08AB	N8	TX	LIC	GUAYAMA, PR	BLTTTV19891030JK	33.3
	W08EH-D	D8	LD	LIC	PONCE, PR	BLANK0000029243	66.0
	WSUR-DT	D9	DT	LIC	PONCE, PR	BLCDT20090616ACM	68.0

Service area	Terrain-limited	IX-free	Percent IX
10066.8 2,361,158	9040.0 2,246,772	8653.9 2,220,080	4.27 1.19

Undesired	Total IX	Unique IX	Prcnt Unique IX
WSTE-DT D7 DD LIC	22.7 14,781	10.8 13,735	0.12 0.61
W08AB N8 TX LIC	3.0 44	1.0 44	0.01 0.00
W08EH-D D8 LD LIC	362.5 9,810	346.7 8,555	3.84 0.38
WSUR-DT D9 DT LIC	16.7 3,566	10.8 3,009	0.12 0.13

Interference to proposal scenario 2

Call	Chan	Svc	Status	City, State	File Number
Distance					
Desired:	W08EI-D-PROD8	LD	APP	GUAYNABO, PR	W08EI-D_PROP_3KW

Undesireds:	WSTE-DT	D7	DD	LIC	PONCE, PR	BLCDT20120720ADV	66.0 km
	W08AB	N8	TX	LIC	GUAYAMA, PR	BLTTTV19891030JK	33.3
	W08EH-D	D8	LD	LIC	PONCE, PR	BLANK0000029243	66.0
	WSUR-DT	D9	DT	APP	PONCE, PR	BMPCDT20091113ADM	68.0

Service area	Terrain-limited	IX-free	Percent IX
10066.8 2,361,158	9040.0 2,246,772	8646.0 2,216,722	4.36 1.34

Undesired	Total IX	Unique IX	Prcnt Unique IX
WSTE-DT D7 DD LIC	22.7 14,781	9.8 12,316	0.11 0.55
W08AB N8 TX LIC	3.0 44	1.0 44	0.01 0.00
W08EH-D D8 LD LIC	362.5 9,810	343.8 8,555	3.80 0.38
WSUR-DT D9 DT APP	29.5 8,610	18.7 6,367	0.21 0.28