tvstudy v2.2.4 (Z2Qqz3)

Database: 127.0.0.1, Study: BLDTL20140404AAW (481), Model: Longley-Rice

Start: 2017.12.17 21:14:24

Study created: 2017.12.17 21:14:24

Study build station data: LMS TV 2017-12-16 (47)

Proposal: W17DL-D D17 LD LIC TOA BAJA, PR

File number: BLDTL20140404AAW

Facility ID: 181820

Station data: User record

Record ID: 141

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
Yes	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000025646	33.5 km
Yes	WMTJ	D16	DT	LIC	FAJARDO, PR	BLEDT20130708ABV	33.4
No	WQQZ-CD	D16	DC	CP	PONCE, PR	BLANK0000028131	71.2
No	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	48.9
Yes	WVEO	D17	DT	LIC	AGUADILLA, PR	BLCDT20071116ACV	112.8
Yes	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	123.0
No	WSJP-LD	D18	LD	LIC	AQUADILLA, PR	BLDTL20120626AAB	110.8
No	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	46.0
Yes	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	16.6
No	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	63.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D17

Mask: Full Service

Latitude: 18 16 42.70 N (NAD83)

Longitude: 66 6 36.50 W

Height AMSL: 547.0 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: MCX-7681 9.0 deg

Elev Pattrn: Generic

Elec Tilt: 1.50

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	14.5 kW	480.2 m	66.3 km
45.0	12.0	431.9	63.4
90.0	0.013	435.3	23.7
135.0	0.013	392.9	22.7
180.0	0.013	139.5	13.6
225.0	0.013	112.5	12.3
270.0	0.013	173.7	15.0
315.0	4.84	454.6	58.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 328 m

Distance to Canadian border: 2946.2 km

Distance to Mexican border: 3277.2 km

Conditions at FCC monitoring station: Santa Isabel PR

Bearing: 222.7 degrees Distance: 41.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 311.4 degrees Distance: 4451.5 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

Study cell size: 0.50 km

Profile point spacing: 0.50 km

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

Maximum new IX to LPTV: 2.00%