

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLANK0000092138 #233, Model: Longley-Rice

Start: 2020.12.21 20:31:30

Study created: 2020.12.21 20:31:29

Study build station data: LMS TV 2020-12-08

Proposal: W17DL-D D17 LD EXP WQBS 3kw KAT\_DA 300d, PR

File number: BLANK0000092138

Facility ID: 181820

Station data: User record

Record ID: 128

Country: U.S.

Search options:

Baseline record excluded if station has CP

Individual records excluded:

20090825BGP W17EP-D D17 LD CP YABUCOA, PR BNPDTL20090825BGP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W16DX-D	D16	LD	LIC	AGUADA, PR	BLANK0000080992	113.8 km
No	W16EG-D	D16	LD	CP	CIDRA, PR	BNPDTL20090825BOZ	63.9
No	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000081351	31.7
No	WQQZ-CD	D16	DC	BL	PONCE, PR	DTVBL32142	72.8
No	W16CW-D	D16	LD	CP	VILLALBA, PR	BLANK0000071833	50.5
No	W16CW-D	D16	LD	LIC	VILLALBA, PR	BLDTL20140916ACI	50.5
Yes	WVEO	D17	DT	LIC	AGUADILLA, PR	BLANK0000125650	113.8
No	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	31.4
No	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	121.3
No	WSJP-LD	D18	LD	LIC	AQUADILLA, PR	BLDTL20120626AAB	112.7
No	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	44.2
No	W18DZ-D	D18	LD	CP	CEIBA, PR	BLANK0000071824	44.7
No	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	18.5
No	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	64.4
No	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000071832	62.3
No	W24DO-D	D18	LD	CP	SION FARM, ST CROIX, VI	BLANK0000053905	148.5
No	DWPRU-LP	N20z	TX	LIC	AQUADILLA, PR	BLTTL20101020ABE	112.7
No	DWSJX-LP	N24z	TX	LIC	AQUADILLA, PR	BLTTL20050407AAH	112.7

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 22.80 N (NAD83)  
Longitude: 66 5 34.50 W  
Height AMSL: 481.0 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: KAT-75010210 300.0 deg  
Elev Pattn: Generic

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.192 kW	418.6 m	38.1 km
45.0	0.020	383.9	24.5
90.0	0.002	365.2	14.2
135.0	0.014	343.9	21.7
180.0	0.018	97.1	12.2
225.0	0.033	55.6	10.9
270.0	1.50	106.6	34.2
315.0	2.50	378.2	52.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 269 m

Distance to Canadian border: 2946.8 km

Distance to Mexican border: 3279.1 km

Conditions at FCC monitoring station: Santa Isabel PR

Bearing: 225.1 degrees    Distance: 42.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 311.4 degrees    Distance: 4453.3 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

Study cell size: 2.00 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%

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Interference to BLANK0000125650 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVEO	D17	DT	LIC	AGUADILLA, PR	BLANK0000125650	
Undesireds:	W17DL-D	D17	LD	EXP	WQBS 3kw KAT_DA 300d, PR	BLANK0000092138	113.8 km
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000081351	145.1
	WQQZ-CD	D16	DC	BL	PONCE, PR	DTVBL32142	52.1
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	95.4
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	15112.0	1,091,825	14478.9	949,876	14331.0	941,829	13612.3 941,549 5.01 0.03
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Undesired				Total IX	Unique IX, before	Unique IX, after	
W17DL-D D17 LD EXP				830.5	5,994	718.6	280
WRUA D16 DT CP				8.0	2,603	0.0	0
WQQZ-CD D16 DC BL				28.1	0	28.1	0
WECN D18 DT LIC				119.9	8,047	111.9	5,444
						8.0	2,333

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Interference to proposal scenario 1  
6.19% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17DL-D	D17	LD	EXP	WQBS 3kw KAT_DA 300d, PR	BLANK0000092138	
Undesireds:	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000081351	31.7 km
	W16CW-D	D16	LD	CP	VILLALBA, PR	BLANK0000071833	50.5
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLANK0000125650	113.8
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	121.3
	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	44.2

WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	18.5
W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	64.4

Service area		Terrain-limited		IX-free		Percent IX
2810.7	1,793,797	2654.7	1,699,070	2522.8	1,593,960	4.97 6.19

Undesired		Total IX		Unique IX	Prcnt Unique IX
WRUA D16 DT CP	56.0	21,872	28.0	14,115	1.05 0.83
WVEO D17 DT LIC	20.0	4,764	0.0	0	0.00 0.00
WVXF D17 DT LIC	4.0	590	4.0	590	0.15 0.03
WECN D18 DT LIC	99.9	90,405	68.0	80,887	2.56 4.76