

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BNPDTL20090825BGP #393, Model: Longley-Rice

Start: 2021.01.09 18:18:38

Study created: 2021.01.09 18:18:38

Study build station data: LMS TV 2021-01-04

Proposal: W17EP-D D17 LD CP JAGU15KW MCX7681 4d, PR

File number: BNPDTL20090825BGP

Facility ID: 181834

Station data: User record

Record ID: 223

Country: U.S.

Search options:

Baseline record excluded if station has CP

Individual records excluded:

0000129937 W17DL-D D17 LD CP TOA BAJA, PR BLANK0000129937

20140404AAW W17DL-D D17 LD LIC TOA BAJA, PR BLDLTL20140404AAW

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
Yes	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000081351	31.7
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
Yes	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	31.4
Yes	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
Yes	W18DZ-D	D18	LD	CP	CEIBA, PR	BLANK0000071824	44.7
Yes	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	BLANK0000129953	65.9
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	WSJX-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: 15.0 kW
Antenna: MCX-7681 4.0 deg
Elev Pattn: Generic
Elec Tilt: 1.50

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	14.8 kW	418.6 m	63.9 km
45.0	10.6	383.9	60.2
90.0	0.013	365.2	22.1
135.0	0.013	343.9	21.6
180.0	0.013	97.1	11.5
225.0	0.013	55.6	8.8
270.0	0.013	106.6	12.0
315.0	7.31	378.2	57.9

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: 0.50 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 BLANK0000081351 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000081351	
Undesireds:	W17EP-D	D17	LD	CP	JAGU15KW MCX7681 4d, PR	BNPDTL20090825BGP	31.7 km
	WMTJ	D15	DT	LIC	FAJARDO, PR	BLANK0000065487	0.1
	WQQZ-CD	D16	DC	BL	PONCE, PR	DTVBL32142	104.1
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLANK0000125650	145.1
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	89.6
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	32341.3	2,838,957	31240.9	2,629,977	30856.7	2,621,671	30855.7 2,621,023 0.00 0.02

Undesired	Total IX	Unique IX, before	Unique IX, after
W17EP-D D17 LD CP	1.0 648	1.0 648	
WMTJ D15 DT LIC	34.3 7,496	18.5 7,496	18.5 7,496
WQQZ-CD D16 DC BL	357.2 0	341.4 0	341.4 0
WVEO D17 DT LIC	0.2 0	0.2 0	0.2 0
WVXF D17 DT LIC	8.4 810	8.4 810	8.4 810

Interference to BLANK0000125650 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVEO	D17	DT	LIC	AGUADILLA, PR	BLANK0000125650	
Undesireds:	W17EP-D	D17	LD	CP	JAGU15KW MCX7681 4d, PR	BNPDTL20090825BGP	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			
Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX			
15133.2	1,094,285	14506.0	950,562	14369.7	943,454	13771.7	942,842	4.16	0.06
Undesired	Total IX		Unique IX, before		Unique IX, after				
W17EP-D D17 LD CP	687.2	2,489			597.9	612			
WRUA D16 DT CP	5.7	227	2.0	144	2.0	144			
WQQZ-CD D16 DC BL	28.9	0	28.9	0	28.9	0			
WECN D18 DT LIC	105.5	6,964	101.8	6,881	13.5	5,004			

Interference to BLANK0000067521 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	
Undesireds:	W17EP-D	D17	LD	CP	JAGU15KW MCX7681 4d, PR	BNPDTL20090825BGP	31.4 km
	W16EG-D	D16	LD	CP	CIDRA, PR	BNPDTL20090825BOZ	53.6
	W16CW-D	D16	LD	CP	VILLALBA, PR	BLANK0000071833	50.5
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	55.9
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	58.2

Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX			
3992.1	681,917	3519.1	620,714	3486.0	619,574	3486.0	619,574	0.00	0.00
Undesired	Total IX		Unique IX, before		Unique IX, after				
W17EP-D D17 LD CP	0.2	96			0.0	0			
W16EG-D D16 LD CP	1.0	0	0.7	0	0.7	0			
WVXF D17 DT LIC	29.8	96	20.0	96	19.7	0			
W18DZ-D D18 LD LIC	10.9	0	1.0	0	1.0	0			
W18DQ-D D18 LD LIC	1.5	1,044	1.2	1,044	1.2	1,044			

Interference to BLANK0000067521 CP scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	
Undesireds:	W17EP-D	D17	LD	CP	JAGU15KW MCX7681 4d, PR	BNPDTL20090825BGP	31.4 km
	W16EG-D	D16	LD	CP	CIDRA, PR	BNPDTL20090825BOZ	53.6
	W16CW-D	D16	LD	CP	VILLALBA, PR	BLANK0000071833	50.5

WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
W18DZ-D	D18	LD	LIC	CEIBA, PR	BLANK0000008489	55.9
W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000129953	56.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3992.1 681,917	3519.1 620,714	3481.6 618,914	3481.6 618,914	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W17EP-D D17 LD CP 0.2	96	0.0 0	
W16EG-D D16 LD CP 1.0	0	0.7 0	
WVXF D17 DT LIC 29.8	96	19.7 0	
W18DZ-D D18 LD LIC 10.9	0	1.0 0	
W18DQ-D D18 LD CP 6.2	1,800	5.7 1,704	

Interference to BLANK0000067521 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	
Undesireds:	W17EP-D	D17	LD	CP	JAGU15KW MCX7681 4d, PR	BNPDTL20090825BGP	31.4 km
	W16EG-D	D16	LD	CP	CIDRA, PR	BNPDTL20090825BOZ	53.6
	W16CW-D	D16	LD	CP	VILLALBA, PR	BLANK0000071833	50.5
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DZ-D	D18	LD	CP	CEIBA, PR	BLANK0000071824	56.1
	W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	58.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3992.1 681,917	3519.1 620,714	3481.1 619,574	3481.1 619,574	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W17EP-D D17 LD CP 0.2	96	0.0 0	
W16EG-D D16 LD CP 1.0	0	0.7 0	
WVXF D17 DT LIC 29.8	96	9.1 96	
W18DZ-D D18 LD CP 26.6	0	5.9 0	
W18DQ-D D18 LD LIC 1.5	1,044	1.2 1,044	

Interference to BLANK0000067521 CP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	

Undesireds:	W17EP-D	D17	LD	CP	JAGU15KW MCX7681 4d, PR	BNPDTL20090825BGP	31.4 km
	W16EG-D	D16	LD	CP	CIDRA, PR	BNPDTL20090825BOZ	53.6
	W16CW-D	D16	LD	CP	VILLALBA, PR	BLANK0000071833	50.5
	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	129.0
	W18DZ-D	D18	LD	CP	CEIBA, PR	BLANK0000071824	56.1
	W18DQ-D	D18	LD	CP	SANTA ISABEL, PR	BLANK0000129953	56.0

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	3992.1	681,917	3519.1	620,714	3476.6	618,914	3476.6	618,914	0.00 0.00

Undesired			Total IX		Unique IX, before		Unique IX, after
W17EP-D D17 LD CP		0.2	96			0.0	0
W16EG-D D16 LD CP		1.0	0		0.7 0	0.7	0
WVXF D17 DT LIC		29.8	96		8.9 0	8.9	0
W18DZ-D D18 LD CP		26.6	0		5.9 0	5.9	0
W18DQ-D D18 LD CP		6.2	1,800		5.7 1,704	5.7	1,704

Interference to BLCDT20090623ABB LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVXF	D17	DT	LIC	CHARLOTTE AMALIE, VI	BLCDT20090623ABB	
Undesireds:	W17EP-D	D17	LD	CP	JAGU15KW MCX7681 4d, PR	BNPDTL20090825BGP	121.3 km
	WRUA	D16	DT	CP	FAJARDO, PR	BLANK0000081351	89.6
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLANK0000125650	234.6

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	11226.5	84,402	11023.5	79,501	10985.1	79,501	10863.7	79,437	1.11 0.08

Undesired			Total IX		Unique IX, before		Unique IX, after
W17EP-D D17 LD CP		121.4	64			121.4	64
WRUA D16 DT CP		28.6	0		28.6 0	28.6	0
WVEO D17 DT LIC		9.8	0		9.8 0	9.8	0

Interference to BLANK0000071824 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W18DZ-D	D18	LD	CP	CEIBA, PR	BLANK0000071824	
Undesireds:	W17EP-D	D17	LD	CP	JAGU15KW MCX7681 4d, PR	BNPDTL20090825BGP	44.7 km
	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	56.1

WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	63.0
W18DQ-D	D18	LD	LIC	SANTA ISABEL, PR	BLANK0000010493	107.1
W24DO-D	D18	LD	CP	SION FARM, ST CROIX, VI	BLANK0000053905	109.0
W24DW-D	D19	LD	CP	CULEBRA, PR	BLANK0000054919	5.9
W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLDTL20140818AEL	5.9
WQTO	D19	DD	LIC	PONCE, PR	BLANK0000082201	116.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7558.5	563,171	6904.9	352,632	4682.0	320,469	4682.0	320,469	0.00	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W17EP-D D17 LD CP	3.2	0	0.0
W32DV-D D17 LD CP	0.2	0	0.0
WECN D18 DT LIC	2131.7	23,311	1626.4
W18DQ-D D18 LD LIC	17.0	0	13.6
W24DO-D D18 LD CP	45.9	1,955	29.6
W24DW-D D19 LD CP	548.8	29,778	0.0
W19DV-D D19 LD LIC	548.8	29,778	0.0
WQTO D19 DD LIC	2.7	0	0.0

Interference to BLANK0000071824 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W18DZ-D	D18	LD	CP	CEIBA, PR	BLANK0000071824	
Undesireds:	W17EP-D	D17	LD	CP	JAGU15KW MCX7681 4d, PR	BNPDTL20090825BGP	44.7 km
	W32DV-D	D17	LD	CP	ARROYO, PR	BLANK0000067521	56.1
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	63.0
	W24DO-D	D18	LD	CP	SION FARM, ST CROIX, VI	BLANK0000053905	109.0
	W24DW-D	D19	LD	CP	CULEBRA, PR	BLANK0000054919	5.9
	W19DV-D	D19	LD	LIC	LUQUILLO, PR	BLDTL20140818AEL	5.9
	WQTO	D19	DD	LIC	PONCE, PR	BLANK0000082201	116.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7558.5	563,171	6904.9	352,632	4695.6	320,469	4695.6	320,469	0.00	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W17EP-D D17 LD CP	3.2	0	0.0
W32DV-D D17 LD CP	0.2	0	0.0
WECN D18 DT LIC	2131.7	23,311	1626.4
W24DO-D D18 LD CP	45.9	1,955	30.1
W24DW-D D19 LD CP	548.8	29,778	0.0

W19DV-D D19 LD LIC	548.8	29,778	0.0	0	0.0	0
WQTO D19 DD LIC	2.7	0	1.7	0	1.7	0

Interference to BLCDT20090610ABG LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WECN	D18	DT	LIC	NARANJITO, PR	BLCDT20090610ABG	
Undesireds:	W17EP-D	D17	LD	CP	JAGU15KW MCX7681 4d, PR	BNPDTL20090825BGP	18.5 km
	WVEO	D17	DT	LIC	AGUADILLA, PR	BLANK0000125650	95.4
	WQTO	D19	DD	LIC	PONCE, PR	BLANK0000082201	56.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
14279.5 2,887,611		13609.4 2,718,991		13603.7 2,717,457		13595.6 2,713,799	0.06 0.13

Undesired		Total IX	Unique IX, before	Unique IX, after
W17EP-D D17 LD CP	8.1	3,658		8.1 3,658
WVEO D17 DT LIC	3.7	987	3.7 987	3.7 987
WQTO D19 DD LIC	2.0	547	2.0 547	2.0 547

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W17EP-D	D17	LD	CP	JAGU15KW MCX7681 4d, PR	BNPDTL20090825BGP	
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	
4849.3 1,730,339		4747.8 1,680,376		4682.9 1,652,768		1.37 1.64	

Undesired		Total IX	Unique IX	Prcnt Unique IX
WRUA D16 DT CP	22.9	14,252	10.3 9,982	0.22 0.59
WVEO D17 DT LIC	7.9	1,051	2.5 305	0.05 0.02
WVXF D17 DT LIC	5.2	2,040	4.7 2,040	0.10 0.12
W18DZ-D D18 LD LIC	3.4	0	0.0 0	0.00 0.00

WECN D18 DT LIC	45.3	14,966	30.3	10,690	0.64	0.64
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Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17EP-D	D17	LD	CP	JAGU15KW MCX7681 4d, PR	BNPDTL20090825BGP	
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	CP	CEIBA, PR	BLANK0000071824	44.7
	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
4849.3 1,730,339	4747.8 1,680,376	4681.4 1,652,598	1.40 1.65

Undesired	Total IX	Unique IX	Prcnt Unique IX
WRUA D16 DT CP	22.9 14,252	10.3 9,982	0.22 0.59
WVEO D17 DT LIC	7.9 1,051	2.2 305	0.05 0.02
WVXF D17 DT LIC	5.2 2,040	4.2 2,021	0.09 0.12
W18DZ-D D18 LD CP	6.2 189	1.5 170	0.03 0.01
WECN D18 DT LIC	45.3 14,966	29.8 10,690	0.63 0.64