

DISPLACEMENT QUALIFICATION OF W32DZ-D AND

WAIVER REQUEST FOR W32DZ-D DISPLACEMENT APPLICATION

As shown in the included TVStudy interference analysis, the existing facility of W32DZ-D will cause impermissible interference of 12.6% to WIPM-TV and is predicted to receive an aggregate interference of 44.7%.

As demonstrated in the included TVstudy interference analysis, the proposed W32DZ-D facility in CH 22 is predicted to cause interference to existing Full Service or Class A TV stations in their pre-repack channels, but will not cause any impermissible interference to any station in their post-repack channels, thus this displacement application and its grant is conditioned to the Puerto Rico TV stations, specifically WOST, having completed their transition to the post repack channel.

TVSTUDY LICENSED FACILITY OF W32DZ-D, DISPLACED BY 12.6% IX CAUSED TO WIPM-TV; IX RECEIVED: 44.7%

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLDTL20140916ACJ #883, Model: Longley-Rice

Start: 2018.04.20 12:49:11

Study created: 2018.04.20 12:49:11

Study build station data: LMS TV 2018-04-19

Proposal: W32DZ-D D32 LD LIC MAYAGUEZ, PR

File number: BLDTL20140916ACJ

Facility ID: 183054

Station data: LMS TV 2018-04-19

Record ID: 5154c4ed715e455c85d4cf6212b6c0ea

Country: U.S.

Search options:

Baseline record excluded if station has CP

All APP records excluded

All records for new LPTV stations excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WSJX-LP	N24z	TX	LIC	AQUADILLA, PR	BLTTL20050407AAH	10.2 km
No	W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000036801	115.7
No	W31DV-D	D31	LD	LIC	GUAYAMA, PR	BLANK0000007268	119.0
Yes	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	28.0
No	W31DL-D	D31	LD	LIC	PONCE, PR	BLDTL20090810ABM	69.0
No	W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	119.0
Yes	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	28.0
Yes	W28EQ-D	N32+	TX	LIC	UTUADO, PR	BLTT19890703IC	48.1
No	W33CY-D	D33	LD	LIC	ANASCO, PR	BLDTL20140404AAX	0.0
Yes	WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	28.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32

Mask: Full Service
Latitude: 18 18 59.80 N (NAD83)
Longitude: 67 10 46.60 W
Height AMSL: 381.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: ANT-ACS8AR (ID 17789) 90.0 deg
Elev Pattn: Generic
Elec Tilt: 0.50

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	12.2 kW	362.3 m	58.1 km
45.0	13.0	278.6	54.0
90.0	15.0	215.3	51.2
135.0	13.0	280.6	54.2
180.0	12.2	380.6	58.9
225.0	0.013	380.9	20.8
270.0	0.013	373.8	20.6
315.0	0.013	357.1	20.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 329 m

Distance to Canadian border: 2940.2 km

Distance to Mexican border: 3170.2 km

Conditions at FCC monitoring station: Santa Isabel PR
Bearing: 112.0 degrees Distance: 91.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 311.9 degrees Distance: 4364.4 km

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%

Interference to BLANK0000029719 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	
Undesireds:	W32DZ-D	D32	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	28.0 km
	WRFB	D30	DT	CP	CAROLINA, PR	BLANK0000034795	94.8
	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	0.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	39378.4	1,629,023	38781.1	1,437,783	38750.1 1,423,893	38742.7 1,419,730	0.02 0.29
Undesired				Total IX	Unique IX, before	Unique IX, after	
W32DZ-D D32 LD LIC		7.4		4,163		7.4 4,163	
WRFB D30 DT CP		13.3		7,838	13.3 7,838	13.3 7,838	
WIPM-TV D32 DT CP		17.7		6,052	17.7 6,052	17.7 6,052	

Interference to BLANK0000024551 CP scenario 1

**IX: 12.57% interference caused

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	
Undesireds:	W32DZ-D	D32	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	28.0 km
	WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	0.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	44277.1	2,196,114	43774.9	1,869,967	43770.5 1,868,885	41620.7 1,633,978	4.91 12.57
Undesired				Total IX	Unique IX, before	Unique IX, after	
W32DZ-D D32 LD LIC		2150.8		234,907		2149.8 234,907	
WNJX-TV D31 DT CP		4.4		1,082	4.4 1,082	3.4 1,082	

Interference to BLTT19890703IC LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W28EQ-D	N32+	TX	LIC	UTUADO, PR	BLTT19890703IC	
Undesireds:	W32DZ-D	D32	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	48.1 km

W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000036801	67.7
WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	31.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
57.1 17,060	55.2 16,528	51.7 15,378	51.0 15,344	1.43 0.22

Undesired	Total IX	Unique IX, before	Unique IX, after
W32DZ-D D32 LD LIC	1.7 305		0.7 34
WIPM-TV D32 DT CP	3.4 1,150	3.4 1,150	2.5 879

Interference to BLANK0000027870 CP scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	
Undesireds: W32DZ-D	D32	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	28.0 km
WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	0.0
WIDP	D34	DT	CP	GUAYAMA, PR	BLANK0000025304	120.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
35366.6 1,959,488	34914.9 1,730,546	34883.3 1,715,876	34880.1 1,714,255	0.01 0.09

Undesired	Total IX	Unique IX, before	Unique IX, after
W32DZ-D D32 LD LIC	3.2 1,621		3.2 1,621
WIPM-TV D32 DT CP	26.6 2,323	26.6 2,323	26.6 2,323
WIDP D34 DT CP	4.9 12,347	4.9 12,347	4.9 12,347

Interference to proposal scenario 1
44.76% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: W32DZ-D	D32	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	
Undesireds: W31DV-D	D31	LD	CP	GUAYAMA, PR	BLANK0000036801	115.7 km
WNJX-TV	D31	DT	CP	MAYAGUEZ, PR	BLANK0000029719	28.0
W32DV-D	D32	LD	LIC	ARROYO, PR	BLANK0000010684	119.0
WIPM-TV	D32	DT	CP	MAYAGUEZ, PR	BLANK0000024551	28.0
W28EQ-D	N32+	TX	LIC	UTUADO, PR	BLTT19890703IC	48.1
WJWN-TV	D33	DT	CP	SAN SEBASTIAN, PR	BLANK0000027870	28.0

Service area	Terrain-limited	IX-free	Percent IX
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7002.1	846,876	6092.7	632,415	1656.3	349,330	72.81	44.76
Undesired			Total IX		Unique IX	Prcnt Unique IX	
WNJX-TV D31 DT CP	869.1		24,632	5.2	1,282	0.08	0.20
W32DV-D D32 LD LIC	191.5		129	0.5	0	0.01	0.00
WIPM-TV D32 DT CP	4428.9		281,587	3417.9	249,874	56.10	39.51
W28EQ-D N32+ TX LIC	3.9		457	1.5	216	0.02	0.03
WJWN-TV D33 DT CP	889.3		17,639	0.0	0	0.00	0.00

TVSTUDY PRE-REPACK W32DZ-D ON CH 22, NEW SITE AT 0.22 MILES @ 210° TRUE NORTH

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLDTL20140916ACJ (on 22) #880, Model: Longley-Rice

Start: 2018.04.20 12:26:43

Study created: 2018.04.20 12:24:49

Study build station data: LMS TV 2018-04-19

Proposal: W32DZ-D D22 (D16) LD LIC MAYAGUEZ, PR

File number: BLDTL20140916ACJ

Facility ID: 183054

Station data: User record

Record ID: 407

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

Baseline record excluded if station has CP

All APP records excluded

All records for new LPTV stations excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WPRU-LP	N20z	TX	LIC	AQUADILLA, PR	BLTTL20101020ABE	10.6 km
Yes	W21CX-D	D21	LD	LIC	MAYAGUEZ, PR	BLDTL20100526ACU	1.1
No	W21DD-D	D21	LD	LIC	NAGUABO, PR	BLANK0000008490	159.1
Yes	WJPX	D21	DT	LIC	SAN JUAN, PR	BLANK0000030022	140.2
No	WVDO-LD	D22	LD	LIC	CAROLINA, PR	BLDTL20131108AIF	140.2
Yes	WOST	D22	DT	LIC	MAYAGUEZ, PR	BLCDT20090813AAM	0.9
No	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	107.1
No	WMNS-LD	D22	LD	LIC	CHARLOTTE AMALIE, VI	BLANK0000008100	232.7
No	WMNS-LD	N22+	TX	LIC	CHARLOTTE AMALIE, VI	BLTTL20041015ABV	235.8
No	W23EM-D	D23	LD	LIC	CEIBA, PR	BLANK0000010679	159.1
No	WXWZ-LD	D23	LD	LIC	GUAYAMA, PR	BLDTL20100324ABD	117.2
No	WVSN	D23	DT	CP	HUMACAO, PR	BLANK0000034762	140.3
Yes	WNJX-TV	D23	DT	LIC	MAYAGUEZ, PR	BLCDT20081029ACA	27.9
Yes	WQSJ-CD	D23	DC	CP	QUEBRADILLAS, PR	BLANK0000034540	0.6
No	WCVI-TV	D23	DT	CP	CHRISTIANSTED, VI	BLANK0000035961	266.8

No	WSJX-LP	N24z	TX	LIC	AQUADILLA, PR	BLTTL20050407AAH	10.6
No	WWKQ-LD	N26-	TX	LIC	QUEBRADILLAS, PR	BLTTL20140508ABB	32.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22
 Mask: Full Service
 Latitude: 18 18 49.80 N (NAD83)
 Longitude: 67 10 52.70 W
 Height AMSL: 355.0 m
 HAAT: 302.0 m
 Peak ERP: 15.0 kW
 Antenna: PSILP8BC 180.0 deg
 Elev Pattn: Generic
 Elec Tilt: 0.75

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.46 kW	333.3 m	46.3 km
45.0	0.838	253.7	39.4
90.0	0.625	193.8	34.7
135.0	5.82	261.4	50.0
180.0	17.3	354.7	60.8
225.0	5.82	355.0	55.0
270.0	0.625	348.5	42.1
315.0	0.838	326.2	42.8

Database HAAT does not agree with computed HAAT

Database HAAT: 302 m Computed HAAT: 303 m

Distance to Canadian border: 2940.4 km

Distance to Mexican border: 3170.1 km

Conditions at FCC monitoring station: Santa Isabel PR

Bearing: 111.8 degrees Distance: 91.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 311.9 degrees Distance: 4364.4 km

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%

Interference to BLDTL20100526ACU LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W21CX-D	D21	LD	LIC	MAYAGUEZ, PR	BLDTL20100526ACU	
Undesireds:	W32DZ-D	D22	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	1.1 km
	WOST	D20	DT	CP	MAYAGUEZ, PR	BLANK0000034742	0.0
	WJPX	D21	DT	LIC	SAN JUAN, PR	BLANK0000030022	141.2
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
5154.5	514,308	4753.5		437,058	4101.7	418,178	4100.0 417,978 0.04 0.05
Undesired				Total IX	Unique IX, before	Unique IX, after	
W32DZ-D D22 LD LIC				2.2 200		1.7 200	
WOST D20 DT CP				5.2 298	3.4 298	3.2 298	
WJPX D21 DT LIC				648.3 18,582	646.6 18,582	646.6 18,582	

Interference to BLANK0000030022 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJPX	D21	DT	LIC	SAN JUAN, PR	BLANK0000030022	
Undesireds:	W32DZ-D	D22	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	140.2 km
	WOST	D20	DT	CP	MAYAGUEZ, PR	BLANK0000034742	141.2
	WZVI	D21	DT	CP	CHARLOTTE AMALIE, VI	BLANK0000034334	99.7
	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	33.1
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
40268.1	3,251,479	39108.3		3,042,598	38522.8	3,022,114	38522.6 3,022,114 0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
W32DZ-D D22 LD LIC	1.7	198		0.2 0
WOST D20 DT CP	6.4	386	5.7 180	4.4 154
WZVI D21 DT CP	525.7	18,561	465.9 18,355	465.9 18,355
WSJN-CD D22 DC CP	113.1	1,743	54.1 1,743	54.1 1,743

Interference to BLCDT20090813AAM LIC scenario 1
 **IX: 41.53% interference caused

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WOST	D22	DT	LIC	MAYAGUEZ, PR	BLCDT20090813AAM	
Undesireds:	W32DZ-D	D22	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	0.9 km
	WJPX	D21	DT	LIC	SAN JUAN, PR	BLANK0000030022	141.0
	WNJX-TV	D23	DT	LIC	MAYAGUEZ, PR	BLCDT20081029ACA	28.4
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
13574.1 927,628	12957.3	811,764 9628.9 727,976	2343.8 425,660	75.66 41.53			

Undesired		Total IX	Unique IX, before	Unique IX, after
W32DZ-D D22 LD LIC	10195.1	376,303		7285.1 302,316
WJPX D21 DT LIC	222.2	11,605	5.2 3,286	0.0 0
WNJX-TV D23 DT LIC	3323.3	80,502	3106.2 72,183	406.8 9,801

Interference to BLCDT20081029ACA LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WNJX-TV	D23	DT	LIC	MAYAGUEZ, PR	BLCDT20081029ACA	
Undesireds:	W32DZ-D	D22	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	27.9 km
	WOST	D22	DT	LIC	MAYAGUEZ, PR	BLCDT20090813AAM	28.4
	WCVI-TV	D23	DT	CP	CHRISTIANSTED, VI	BLANK0000035961	242.6
	WQQZ-CD	D24	DC	CP	PONCE, PR	BLANK0000034790	25.8
Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX			
38596.8 1,585,649	38057.1	1,406,058 37907.0 1,327,539	37901.8 1,325,814	0.01 0.13			

Undesired		Total IX	Unique IX, before	Unique IX, after
W32DZ-D D22 LD LIC	6.2	2,621		5.2 1,725
WOST D22 DT LIC	5.4	3,139	5.4 3,139	4.4 2,243
WQQZ-CD D24 DC CP	144.8	75,380	144.8 75,380	144.8 75,380

Interference to BLANK0000034540 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WQSJ-CD	D23	DC	CP	QUEBRADILLAS, PR	BLANK0000034540	
Undesireds:	W32DZ-D	D22	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	0.6 km
	WVSN	D23	DT	CP	HUMACAO, PR	BLANK0000034762	140.7
	WCVI-TV	D23	DT	CP	CHRISTIANSTED, VI	BLANK0000035961	267.2
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	7794.9	719,859	7208.5	583,396	6744.2	564,260	6743.7 564,044 0.01 0.04
Undesired				Total IX	Unique IX, before	Unique IX, after	
W32DZ-D D22 LD LIC			0.5	216		0.5 216	
WVSN D23 DT CP			464.3	19,136	464.3 19,136	464.3 19,136	

Interference to proposal scenario 1
2.36% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DZ-D	D22	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	
Undesireds:	W21CX-D	D21	LD	LIC	MAYAGUEZ, PR	BLDTL20100526ACU	1.1 km
	WVDO-LD	D22	LD	LIC	CAROLINA, PR	BLDTL20131108AIF	140.2
	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	107.1
	WMNS-LD	D22	LD	LIC	CHARLOTTE AMALIE, VI	BLANK0000008100	232.7
	WQSJ-CD	D23	DC	CP	QUEBRADILLAS, PR	BLANK0000034540	0.6
	Service area		Terrain-limited		IX-free	Percent IX	
	6985.9	666,768	6399.0	536,846	6214.6	524,163	2.88 2.36
Undesired				Total IX	Unique IX	Prcnt Unique IX	
W21CX-D D21 LD LIC			46.0	6,327	22.4	5,096	0.35 0.95
WVDO-LD D22 LD LIC			0.7	0	0.0	0	0.00 0.00
WSJN-CD D22 DC CP			156.1	4,676	133.4	4,672	2.09 0.87
WQSJ-CD D23 DC CP			8.9	2,911	3.4	1,684	0.05 0.31
	432	0.03	0.08				

TVSTUDY POST-REPACK W32DZ-D ON CH 22, NEW SITE AT 0.22 MILES @ 210° TRUE NORTH

tvstudy v2.2.5 (4uoc83)

Database: 127.0.0.1, Study: BLDTL20140916ACJ (on 22) #877, Model: Longley-Rice

Start: 2018.04.20 12:21:30

Study created: 2018.04.20 12:21:30

Study build station data: LMS TV 2018-04-19

Proposal: W32DZ-D D22 (D16) LD LIC MAYAGUEZ, PR

File number: BLDTL20140916ACJ

Facility ID: 183054

Station data: User record

Record ID: 406

Country: U.S.

Search options:

Baseline record excluded if station has CP

All APP records excluded

All records for new LPTV stations excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WPRU-LP	N20z	TX	LIC	AQUADILLA, PR	BLTTL20101020ABE	10.6 km
Yes	W21CX-D	D21	LD	LIC	MAYAGUEZ, PR	BLDTL20100526ACU	1.1
No	W21DD-D	D21	LD	LIC	NAGUABO, PR	BLANK0000008490	159.1
Yes	WJPX	D21	DT	LIC	SAN JUAN, PR	BLANK0000030022	140.2
No	WVDO-LD	D22	LD	LIC	CAROLINA, PR	BLDTL20131108AIF	140.2
No	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	107.1
No	WMNS-LD	D22	LD	LIC	CHARLOTTE AMALIE, VI	BLANK0000008100	232.7
No	WMNS-LD	N22+	TX	LIC	CHARLOTTE AMALIE, VI	BLTTL20041015ABV	235.8
No	W23EM-D	D23	LD	LIC	CEIBA, PR	BLANK0000010679	159.1
No	WXWZ-LD	D23	LD	LIC	GUAYAMA, PR	BLDTL20100324ABD	117.2
No	WVSN	D23	DT	CP	HUMACAO, PR	BLANK0000034762	140.3
Yes	WQSJ-CD	D23	DC	CP	QUEBRADILLAS, PR	BLANK0000034540	0.6
No	WCVI-TV	D23	DT	CP	CHRISTIANSTED, VI	BLANK0000035961	266.8
No	WSJX-LP	N24z	TX	LIC	AQUADILLA, PR	BLTTL20050407AAH	10.6
No	WWKQ-LD	N26-	TX	LIC	QUEBRADILLAS, PR	BLTTL20140508ABB	32.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D22
Mask: Full Service
Latitude: 18 18 49.80 N (NAD83)
Longitude: 67 10 52.70 W
Height AMSL: 355.0 m
HAAT: 302.0 m
Peak ERP: 15.0 kW
Antenna: (replication) 0.0 deg
Elev Pattn: Generic
Elec Tilt: 0.75

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.46 kW	333.3 m	46.3 km
45.0	0.838	253.7	39.4
90.0	0.625	193.8	34.7
135.0	5.82	261.4	50.0
180.0	17.3	354.7	60.8
225.0	5.82	355.0	55.0
270.0	0.625	348.5	42.1
315.0	0.838	326.2	42.8

Database HAAT does not agree with computed HAAT

Database HAAT: 302 m Computed HAAT: 303 m

Distance to Canadian border: 2940.4 km

Distance to Mexican border: 3170.1 km

Conditions at FCC monitoring station: Santa Isabel PR

Bearing: 111.8 degrees Distance: 91.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 311.9 degrees Distance: 4364.4 km

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%

Interference to BLDTL20100526ACU LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W21CX-D	D21	LD	LIC	MAYAGUEZ, PR	BLDTL20100526ACU	
Undesireds:	W32DZ-D	D22	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	1.1 km
	WOST	D20	DT	CP	MAYAGUEZ, PR	BLANK0000034742	0.0
	WJPX	D21	DT	LIC	SAN JUAN, PR	BLANK0000030022	141.2
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	5154.5	514,308	4753.5	437,058	4101.7	418,178	4100.0 417,978 0.04 0.05
Undesired				Total IX	Unique IX, before		Unique IX, after
W32DZ-D D22 LD LIC				2.2	200		1.7 200
WOST D20 DT CP				5.2	298		3.4 298
WJPX D21 DT LIC				648.3	18,582		646.6 18,582

Interference to BLANK0000030022 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJPX	D21	DT	LIC	SAN JUAN, PR	BLANK0000030022	
Undesireds:	W32DZ-D	D22	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	140.2 km
	WOST	D20	DT	CP	MAYAGUEZ, PR	BLANK0000034742	141.2
	WZVI	D21	DT	CP	CHARLOTTE AMALIE, VI	BLANK0000034334	99.7
	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	33.1
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	40268.1	3,251,479	39108.3	3,042,598	38522.8	3,022,114	38522.6 3,022,114 0.00 0.00
Undesired				Total IX	Unique IX, before		Unique IX, after
W32DZ-D D22 LD LIC				1.7	198		0.2 0
WOST D20 DT CP				6.4	386		5.7 180
WZVI D21 DT CP				525.7	18,561		465.9 18,355
WSJN-CD D22 DC CP				113.1	1,743		54.1 1,743

Interference to BLANK0000034540 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WQSJ-CD	D23	DC	CP	QUEBRADILLAS, PR	BLANK0000034540	
Undesireds:	W32DZ-D	D22	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	0.6 km
	WVSN	D23	DT	CP	HUMACAO, PR	BLANK0000034762	140.7
	WCVI-TV	D23	DT	CP	CHRISTIANSTED, VI	BLANK0000035961	267.2
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	7794.9	719,859	7208.5	583,396	6744.2	564,260	6743.7 564,044 0.01 0.04
Undesired				Total IX	Unique IX, before	Unique IX, after	
W32DZ-D D22 LD LIC			0.5	216		0.5 216	
WVSN D23 DT CP			464.3	19,136	464.3 19,136	464.3 19,136	

Interference to proposal scenario 1
2.36% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W32DZ-D	D22	LD	LIC	MAYAGUEZ, PR	BLDTL20140916ACJ	
Undesireds:	W21CX-D	D21	LD	LIC	MAYAGUEZ, PR	BLDTL20100526ACU	1.1 km
	WVDO-LD	D22	LD	LIC	CAROLINA, PR	BLDTL20131108AIF	140.2
	WSJN-CD	D22	DC	CP	SAN JUAN, PR	BLANK0000034542	107.1
	WMNS-LD	D22	LD	LIC	CHARLOTTE AMALIE, VI	BLANK0000008100	232.7
	WQSJ-CD	D23	DC	CP	QUEBRADILLAS, PR	BLANK0000034540	0.6
	Service area		Terrain-limited		IX-free	Percent IX	
	6985.9	666,768	6399.0	536,846	6214.6	524,163	2.88 2.36
Undesired				Total IX	Unique IX	Prcnt Unique IX	
W21CX-D D21 LD LIC			46.0	6,327	22.4 5,096	0.35 0.95	
WVDO-LD D22 LD LIC			0.7	0	0.0 0	0.00 0.00	
WSJN-CD D22 DC CP			156.1	4,676	133.4 4,672	2.09 0.87	
WQSJ-CD D23 DC CP			8.9	2,911	3.4 1,684	0.05 0.31	