

WECN-DT, Naranjito, PR, OET-69 Post-Transition Interference Analysis

TW Census data selected 2000

Post Transition Data Base Selected /export/home/cdbb/pt\_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-17-2009 Time: 10:07:48

Record Selected for Analysis

WECN USERRECORD-01 NARANJITO PR US  
Channel 18 ERP 50. kW HAAT 228. m RCAMSL 00525 m  
Latitude 018-17-34 Longitude 0066-16-02  
Status APP Zone 2 Border  
Dir Antenna Make CDB Model 00000000090125 Beam tilt N Ref Azimuth 0.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	26.572	421.4	79.7
45.0	42.966	439.3	83.7
90.0	42.228	270.2	71.2
135.0	7.450	88.8	49.1
180.0	4.651	33.0	35.0
225.0	7.450	33.0	37.1
270.0	42.228	162.5	63.6
315.0	42.966	381.0	80.4

Evaluation toward Class A Stations

Station inside contour of Class A station

WSJN-CA 15 SAN JUAN PR BLTTL 19940223IC

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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### Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
18	WECN	NARANJITO PR	USERRECORD01

### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WSJN-CA	SAN JUAN PR	10.7	LIC	BLTTL	-19940223IC
17	WVEO	AGUADILLA PR	96.2	CP MOD	BMPCDT	-20060705ABD
17	WVEO	AGUADILLA PR	96.2	PLN	DTVPLN	-DTVP0614
17	WVXF	CHARLOTTE AMALIE VI	139.5	PLN	DTVPLN	-DTVP0621
17	WVXF	CHARLOTTE AMALIE VI	139.5	CP MOD	BMPCDT	-20080618AAX
19	WKPV	PONCE PR	56.0	PLN	DTVPLN	-DTVP0691
19	WKPV	PONCE PR	56.0	CP MOD	BMPCDT	-20040318ABY
20	WIMN-CA	ARECIBO PR	43.0	LIC	BLTTL	-20010102AAX

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### Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	WSJN-CA	SAN JUAN PR	BLTTL	-19940223IC

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WMEI	ARECIBO PR	43.9	CP MOD	BMPCDT	-20080620ACV
14	WMEI	ARECIBO PR	43.9	PLN	DTVPLN	-DTVP0506
14	WTIN	PONCE PR	45.6	LIC	BLCT	-19971208KF
15	WTIN	PONCE PR	45.6	CP MOD	BMPCDT	-20040803ABE
15	WTIN	PONCE PR	45.6	PLN	DTVPLN	-DTVP0541
15	WVIF	CHRISTIANSTED VI	156.4	LIC	BLCT	-20001227ABK
15	WVIF	CHRISTIANSTED VI	156.4	PLN	DTVPLN	-DTVP0551
16	WMTJ	FAJARDO PR	39.1	CP MOD	BMPEDT	-20070629AEN
16	WMTJ	FAJARDO PR	39.1	PLN	DTVPLN	-DTVP0577
16	WMTJ	FAJARDO PR	39.1	APP	BMPEDT	-20080620AEH
17	WVEO	AGUADILLA PR	106.9	CP MOD	BMPCDT	-20060705ABD
17	WVEO	AGUADILLA PR	106.9	PLN	DTVPLN	-DTVP0614
17	WVXF	CHARLOTTE AMALIE VI	128.7	PLN	DTVPLN	-DTVP0621
17	WVXF	CHARLOTTE AMALIE VI	128.7	CP MOD	BMPCDT	-20080618AAX
18	WECN	NARANJITO PR	10.7	PLN	DTVPLN	-DTVP0645

19	WKPV	PONCE PR	66.0	PLN	DTVPLN	-DTVP0691
19	WKPV	PONCE PR	66.0	CP MOD	BMPCDT	-20040318ABY
22	WOST	MAYAGUEZ PR	108.1	CP	BPCDT	-20080303AKY
22	WOST	MAYAGUEZ PR	108.1	PLN	DTVPLN	-DTVP0817
23	WNJX-TV	MAYAGUEZ PR	87.8	CP MOD	BMPCDT	-20040115ACG
23	WNJX-TV	MAYAGUEZ PR	87.8	PLN	DTVPLN	-DTVP0853
29	WORA-TV	MAYAGUEZ PR	88.4	CP MOD	BMPCDT	-20080813AAG
29	WORA-TV	MAYAGUEZ PR	88.4	PLN	DTVPLN	-DTVP1086
30	WDWL	BAYAMON PR	6.1	CP MOD	BMPCDT	-20081103ACW
30	WDWL	BAYAMON PR	6.1	PLN	DTVPLN	-DTVP1114
30	WSJU-TV	SAN JUAN PR	7.9	LIC	BLCT	-19841129LB
18	WECN	NARANJITO PR	10.7	APP	USERRECORD-01	

Proposal causes no interference

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# Analysis of Interference to Affected Station 2

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	WVEO	AGUADILLA PR	BMPCDT	-20060705ABD

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WMTJ	FAJARDO PR	145.9	CP MOD	BMPEDT	-20070629AEN
16	WMTJ	FAJARDO PR	145.9	PLN	DTVPLN	-DTVP0577
16	WMTJ	FAJARDO PR	145.9	APP	BMPEDT	-20080620AEH
17	WVXF	CHARLOTTE AMALIE VI	235.4	PLN	DTVPLN	-DTVP0621
17	WVXF	CHARLOTTE AMALIE VI	235.4	CP MOD	BMPCDT	-20080618AAX
18	WECN	NARANJITO PR	96.2	PLN	DTVPLN	-DTVP0645
18	WECN	NARANJITO PR	96.2	APP	USERRECORD-01	

Total scenarios = 6

Result key: 1  
Scenario 1 Affected station 2  
Before Analysis

Results for: 17A PR AGUADILLA BMPCDT 20060705ABD CP

HAAT	372.0 m, ATV ERP	42.0 kW
	POPULATION	AREA (sq km)
within Noise Limited Contour	1192585	17636.1
not affected by terrain losses	903118	16656.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25038	152.0
lost to ATV IX only	25038	152.0
lost to all IX	25038	152.0

Potential Interfering Stations Included in above Scenario 1

16A PR FAJARDO	BMPEDT	20070629AEN	CP
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
18A PR NARANJITO	DTVPLN	DTVP0645	PLN

After Analysis

Results for: 17A PR AGUADILLA                      BMPCDT      20060705ABD    CP  
HAAT 372.0 m, ATV ERP 42.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1192585	17636.1
not affected by terrain losses	903118	16656.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25038	152.0
lost to ATV IX only	25038	152.0
lost to all IX	25038	152.0

Potential Interfering Stations Included in above Scenario      1

16A PR FAJARDO	BMPEDT	20070629AEN	CP
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
18A PR NARANJITO	USERRECORD01		APP

Percent new IX =      0.0000%

Result key:                      2  
Scenario                      2    Affected station                      2  
Before Analysis

Results for: 17A PR AGUADILLA                      BMPCDT      20060705ABD    CP  
HAAT 372.0 m, ATV ERP 42.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1192585	17636.1
not affected by terrain losses	903118	16656.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	15335	112.0
lost to ATV IX only	15335	112.0
lost to all IX	15335	112.0

Potential Interfering Stations Included in above Scenario      2

16A PR FAJARDO	BMPEDT	20070629AEN	CP
17A VI CHARLOTTE AMALIE	BMPCDT	20080618AAX	CP
18A PR NARANJITO	DTVPLN	DTVP0645	PLN

After Analysis

Results for: 17A PR AGUADILLA                      BMPCDT      20060705ABD    CP  
HAAT 372.0 m, ATV ERP 42.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1192585	17636.1
not affected by terrain losses	903118	16656.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	15335	112.0
lost to ATV IX only	15335	112.0
lost to all IX	15335	112.0

Potential Interfering Stations Included in above Scenario      2

16A PR FAJARDO	BMPEDT	20070629AEN	CP
17A VI CHARLOTTE AMALIE	BMPCDT	20080618AAX	CP

18A PR NARANJITO                      USERRECORD01                      APP

Percent new IX =      0.0000%

Result key:                      3  
Scenario                      3    Affected station                      2  
Before Analysis

Results for: 17A PR AGUADILLA                      BMPCDT      20060705ABD    CP  
HAAT    372.0 m, ATV ERP    42.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1192585	17636.1
not affected by terrain losses	903118	16656.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25038	152.0
lost to ATV IX only	25038	152.0
lost to all IX	25038	152.0

Potential Interfering Stations Included in above Scenario                      3

16A PR FAJARDO	DTVPLN	DTVP0577	PLN
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
18A PR NARANJITO	DTVPLN	DTVP0645	PLN

After Analysis

Results for: 17A PR AGUADILLA                      BMPCDT      20060705ABD    CP  
HAAT    372.0 m, ATV ERP    42.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1192585	17636.1
not affected by terrain losses	903118	16656.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25038	152.0
lost to ATV IX only	25038	152.0
lost to all IX	25038	152.0

Potential Interfering Stations Included in above Scenario                      3

16A PR FAJARDO	DTVPLN	DTVP0577	PLN
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
18A PR NARANJITO	USERRECORD01		APP

Percent new IX =      0.0000%

Result key:                      4  
Scenario                      4    Affected station                      2  
Before Analysis

Results for: 17A PR AGUADILLA                      BMPCDT      20060705ABD    CP  
HAAT    372.0 m, ATV ERP    42.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1192585	17636.1
not affected by terrain losses	903118	16656.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	15335	112.0
lost to ATV IX only	15335	112.0
lost to all IX	15335	112.0

Potential Interfering Stations Included in above Scenario 4

16A PR FAJARDO	DTVPLN	DTVP0577	PLN
17A VI CHARLOTTE AMALIE	BMPCDT	20080618AAX	CP
18A PR NARANJITO	DTVPLN	DTVP0645	PLN

After Analysis

Results for: 17A PR AGUADILLA BMPCDT 20060705ABD CP  
 HAAT 372.0 m, ATV ERP 42.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1192585	17636.1
not affected by terrain losses	903118	16656.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	15335	112.0
lost to ATV IX only	15335	112.0
lost to all IX	15335	112.0

Potential Interfering Stations Included in above Scenario 4

16A PR FAJARDO	DTVPLN	DTVP0577	PLN
17A VI CHARLOTTE AMALIE	BMPCDT	20080618AAX	CP
18A PR NARANJITO	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 5  
 Scenario 5 Affected station 2  
 Before Analysis

Results for: 17A PR AGUADILLA BMPCDT 20060705ABD CP  
 HAAT 372.0 m, ATV ERP 42.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1192585	17636.1
not affected by terrain losses	903118	16656.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	26619	172.0
lost to ATV IX only	26619	172.0
lost to all IX	26619	172.0

Potential Interfering Stations Included in above Scenario 5

16A PR FAJARDO	BMPEDT	20080620AEH	APP
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
18A PR NARANJITO	DTVPLN	DTVP0645	PLN

After Analysis

Results for: 17A PR AGUADILLA BMPCDT 20060705ABD CP  
 HAAT 372.0 m, ATV ERP 42.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1192585	17636.1
not affected by terrain losses	903118	16656.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	26619	172.0
lost to ATV IX only	26619	172.0

lost to all IX 26619 172.0

Potential Interfering Stations Included in above Scenario 5

16A PR FAJARDO	BMPEDT	20080620AEH	APP
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
18A PR NARANJITO	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 6  
Scenario 6 Affected station 2  
Before Analysis

Results for: 17A PR AGUADILLA BMPCDT 20060705ABD CP  
HAAT 372.0 m, ATV ERP 42.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1192585	17636.1
not affected by terrain losses	903118	16656.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16916	132.0
lost to ATV IX only	16916	132.0
lost to all IX	16916	132.0

Potential Interfering Stations Included in above Scenario 6

16A PR FAJARDO	BMPEDT	20080620AEH	APP
17A VI CHARLOTTE AMALIE	BMPCDT	20080618AAX	CP
18A PR NARANJITO	DTVPLN	DTVP0645	PLN

After Analysis

Results for: 17A PR AGUADILLA BMPCDT 20060705ABD CP  
HAAT 372.0 m, ATV ERP 42.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1192585	17636.1
not affected by terrain losses	903118	16656.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	16916	132.0
lost to ATV IX only	16916	132.0
lost to all IX	16916	132.0

Potential Interfering Stations Included in above Scenario 6

16A PR FAJARDO	BMPEDT	20080620AEH	APP
17A VI CHARLOTTE AMALIE	BMPCDT	20080618AAX	CP
18A PR NARANJITO	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 3

# Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	WVEO	AGUADILLA PR	DTVPLN	-DTVP0614

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WMTJ	FAJARDO PR	145.9	CP MOD	BMPEDT	-20070629AEN
16	WMTJ	FAJARDO PR	145.9	PLN	DTVPLN	-DTVP0577
16	WMTJ	FAJARDO PR	145.9	APP	BMPEDT	-20080620AEH
17	WVXF	CHARLOTTE AMALIE VI	235.4	PLN	DTVPLN	-DTVP0621
17	WVXF	CHARLOTTE AMALIE VI	235.4	CP MOD	BMPCDT	-20080618AAX
18	WECN	NARANJITO PR	96.2	PLN	DTVPLN	-DTVP0645
18	WECN	NARANJITO PR	96.2	APP	USERRECORD-01	

Total scenarios = 3

Result key: 7  
Scenario 1 Affected station 3  
Before Analysis

Results for: 17A PR AGUADILLA DTVPLN DTVP0614 PLN  
HAAT 372.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1198957	18280.1
not affected by terrain losses	937023	17300.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	26079	188.0
lost to ATV IX only	26079	188.0
lost to all IX	26079	188.0

Potential Interfering Stations Included in above Scenario 1

16A PR FAJARDO	BMPEDT	20070629AEN	CP
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
18A PR NARANJITO	DTVPLN	DTVP0645	PLN

## After Analysis

Results for: 17A PR AGUADILLA DTVPLN DTVP0614 PLN  
HAAT 372.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1198957	18280.1
not affected by terrain losses	937023	17300.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	26079	192.0
lost to ATV IX only	26079	192.0
lost to all IX	26079	192.0

Potential Interfering Stations Included in above Scenario 1

16A PR FAJARDO	BMPEDT	20070629AEN	CP
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
18A PR NARANJITO	USERRECORD01		APP



Percent new IX = 0.0000%

Result key: 8  
Scenario 2 Affected station 3  
Before Analysis

Results for: 17A PR AGUADILLA DTVPLN DTVP0614 PLN  
HAAT 372.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1198957	18280.1
not affected by terrain losses	937023	17300.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	26079	188.0
lost to ATV IX only	26079	188.0
lost to all IX	26079	188.0

Potential Interfering Stations Included in above Scenario 2

16A PR FAJARDO	DTVPLN	DTVP0577	PLN
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
18A PR NARANJITO	DTVPLN	DTVP0645	PLN

After Analysis

Results for: 17A PR AGUADILLA DTVPLN DTVP0614 PLN  
HAAT 372.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1198957	18280.1
not affected by terrain losses	937023	17300.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	26079	192.0
lost to ATV IX only	26079	192.0
lost to all IX	26079	192.0

Potential Interfering Stations Included in above Scenario 2

16A PR FAJARDO	DTVPLN	DTVP0577	PLN
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
18A PR NARANJITO	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 9  
Scenario 3 Affected station 3  
Before Analysis

Results for: 17A PR AGUADILLA DTVPLN DTVP0614 PLN  
HAAT 372.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1198957	18280.1
not affected by terrain losses	937023	17300.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	32493	228.0
lost to ATV IX only	32493	228.0
lost to all IX	32493	228.0

Potential Interfering Stations Included in above Scenario 3

16A PR FAJARDO	BMPEDT	20080620AEH	APP
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
18A PR NARANJITO	DTVPLN	DTVP0645	PLN

# After Analysis

Results for: 17A PR AGUADILLA DTVPLN DTVP0614 PLN  
 HAAT 372.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1198957	18280.1
not affected by terrain losses	937023	17300.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	32493	232.0
lost to ATV IX only	32493	232.0
lost to all IX	32493	232.0

Potential Interfering Stations Included in above Scenario 3

16A PR FAJARDO	BMPEDT	20080620AEH	APP
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
18A PR NARANJITO	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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## Analysis of Interference to Affected Station 4

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
17	WVXF	CHARLOTTE AMALIE VI	DTVPLN -DTVP0621

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
16	WMTJ	FAJARDO PR	89.6	CP MOD	BMPEDT -20070629AEN
16	WMTJ	FAJARDO PR	89.6	PLN	DTVPLN -DTVP0577
16	WMTJ	FAJARDO PR	89.6	APP	BMPEDT -20080620AEH
17	WVEO	AGUADILLA PR	235.4	CP MOD	BMPCDT -20060705ABD
17	WVEO	AGUADILLA PR	235.4	PLN	DTVPLN -DTVP0614
18	WECN	NARANJITO PR	139.5	PLN	DTVPLN -DTVP0645
18	WECN	NARANJITO PR	139.5	APP	USERRECORD-01

Proposal causes no interference

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## Analysis of Interference to Affected Station 5

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
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17 WVXF CHARLOTTE AMALIE VI BMPCDT -20080618AAX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WMTJ	FAJARDO PR	89.6	CP MOD	BMPEDT	-20070629AEN
16	WMTJ	FAJARDO PR	89.6	PLN	DTVPLN	-DTVP0577
16	WMTJ	FAJARDO PR	89.6	APP	BMPEDT	-20080620AEH
17	WVEO	AGUADILLA PR	235.4	CP MOD	BMPCDT	-20060705ABD
17	WVEO	AGUADILLA PR	235.4	PLN	DTVPLN	-DTVP0614
18	WECN	NARANJITO PR	139.5	PLN	DTVPLN	-DTVP0645
18	WECN	NARANJITO PR	139.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	WKPV	PONCE PR	DTVPLN	-DTVP0691

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	WECN	NARANJITO PR	56.0	PLN	DTVPLN	-DTVP0645
20	WSVI	CHRISTIANSTED VI	209.3	APP	BMPCDT	-20081024ABS
20	WSVI	CHRISTIANSTED VI	209.3	PLN	DTVPLN	-DTVP0739
20	WSVI	CHRISTIANSTED VI	209.3	CP	BPCDT	-20080229AAF
18	WECN	NARANJITO PR	56.0	APP	USERRECORD-01	

Total scenarios = 1

Result key: 10  
Scenario 1 Affected station 6  
Before Analysis

Results for: 19A PR PONCE	DTVPLN	DTVP0691	PLN
HAAT 269.0 m, ATV ERP 700.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2595196	27006.4	
not affected by terrain losses	1739652	25261.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2588	12.0	
lost to ATV IX only	2588	12.0	
lost to all IX	2588	12.0	

Potential Interfering Stations Included in above Scenario 1

18A PR NARANJITO	DTVPLN	DTVP0645	PLN
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After Analysis

Results for: 19A PR PONCE	DTVPLN	DTVP0691	PLN
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HAAT 269.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2595196	27006.4
not affected by terrain losses	1739652	25261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2588	12.0
lost to ATV IX only	2588	12.0
lost to all IX	2588	12.0

Potential Interfering Stations Included in above Scenario 1

18A PR NARANJITO USERRECORD01 APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
19	WKPV	PONCE PR	BMPCDT -20040318ABY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
18	WECN	NARANJITO PR	56.0	PLN	DTVPLN -DTVP0645
20	WSVI	CHRISTIANSTED VI	209.3	APP	BMPCDT -20081024ABS
20	WSVI	CHRISTIANSTED VI	209.3	PLN	DTVPLN -DTVP0739
20	WSVI	CHRISTIANSTED VI	209.3	CP	BPCDT -20080229AAF
18	WECN	NARANJITO PR	56.0	APP	USERRECORD-01

Total scenarios = 1

Result key: 11

Scenario 1 Affected station 7

Before Analysis

Results for: 19A PR PONCE BMPCDT 20040318ABY CP

HAAT 269.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2595196	27006.4
not affected by terrain losses	1739652	25261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2588	12.0
lost to ATV IX only	2588	12.0
lost to all IX	2588	12.0

Potential Interfering Stations Included in above Scenario 1

18A PR NARANJITO DTVPLN DTVP0645 PLN

# After Analysis

Results for: 19A PR PONCE                      BMPCDT      20040318ABY    CP  
 HAAT 269.0 m, ATV ERP 700.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2595196	27006.4
not affected by terrain losses	1739652	25261.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2588	12.0
lost to ATV IX only	2588	12.0
lost to all IX	2588	12.0

Potential Interfering Stations Included in above Scenario      1

18A PR NARANJITO                      USERRECORD01                      APP

Percent new IX =      0.0000%

Worst case new IX      0.0000% Scenario      1

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## Analysis of Interference to Affected Station      8

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	WIMN-CA	ARECIBO PR	BLTTL	-20010102AAX

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WMTJ	FAJARDO PR	90.3	CP MOD	BMPEDT	-20070629AEN
16	WMTJ	FAJARDO PR	90.3	PLN	DTVPLN	-DTVP0577
16	WMTJ	FAJARDO PR	90.3	APP	BMPEDT	-20080620AEH
17	WVEO	AGUADILLA PR	59.0	CP MOD	BMPCDT	-20060705ABD
17	WVEO	AGUADILLA PR	59.0	PLN	DTVPLN	-DTVP0614
18	WECN	NARANJITO PR	43.0	PLN	DTVPLN	-DTVP0645
19	WKPV	PONCE PR	43.1	PLN	DTVPLN	-DTVP0691
19	WKPV	PONCE PR	43.1	CP MOD	BMPCDT	-20040318ABY
20	WKPV	PONCE PR	43.1	LIC	BLCT	-20010130ABD
20	WSJN-CA	SAN JUAN PR	52.7	APP	BDISDTA	-20090129AAF
20	WSVI	CHRISTIANSTED VI	209.2	APP	BMPCDT	-20081024ABS
20	WSVI	CHRISTIANSTED VI	209.2	PLN	DTVPLN	-DTVP0739
20	WSVI	CHRISTIANSTED VI	209.2	CP	BPCDT	-20080229AAF
21	WJPX	SAN JUAN PR	84.9	LIC	BLCDT	-20060621ACJ
21	WJPX	SAN JUAN PR	84.9	PLN	DTVPLN	-DTVP0772
22	WOST	MAYAGUEZ PR	60.3	CP	BPCDT	-20080303AKY
22	WOST	MAYAGUEZ PR	60.3	PLN	DTVPLN	-DTVP0817
23	WNJX-TV	MAYAGUEZ PR	49.7	CP MOD	BMPCDT	-20040115ACG
23	WNJX-TV	MAYAGUEZ PR	49.7	PLN	DTVPLN	-DTVP0853
27	WAPA-TV	SAN JUAN PR	72.6	LIC	BLCDT	-20060621ACQ
27	WAPA-TV	SAN JUAN PR	72.6	PLN	DTVPLN	-DTVP1009
28	WKAQ-TV	SAN JUAN PR	72.3	LIC	BLCDT	-20020201AAG
28	WKAQ-TV	SAN JUAN PR	72.3	PLN	DTVPLN	-DTVP1047
34	WELU	AGUADILLA PR	50.1	CP MOD	BMPEDT	-20040316AFD

34	WELU	AGUADILLA PR	50.1	PLN	DTVPLN	-DTVP1267
35	WIPM-TV	MAYAGUEZ PR	49.7	CP MOD	BMPEDT	-20030204ADS
35	WIPM-TV	MAYAGUEZ PR	49.7	PLN	DTVPLN	-DTVP1303
35	WIPM-TV	MAYAGUEZ PR	49.7	APP	BPEDT	-20080619AEV
18	WECN	NARANJITO PR	43.0	APP	USERRECORD-01	

Proposal causes no interference

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# Analysis of Interference to Affected Station 9

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
18	WECN	NARANJITO PR	USERRECORD-01

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
17	WVEO	AGUADILLA PR	96.2	CP MOD	BMPCDT -20060705ABD
17	WVEO	AGUADILLA PR	96.2	PLN	DTVPLN -DTVP0614
17	WVXF	CHARLOTTE AMALIE VI	139.5	PLN	DTVPLN -DTVP0621
17	WVXF	CHARLOTTE AMALIE VI	139.5	CP MOD	BMPCDT -20080618AAX
19	WKPV	PONCE PR	56.0	PLN	DTVPLN -DTVP0691
19	WKPV	PONCE PR	56.0	CP MOD	BMPCDT -20040318ABY

Total scenarios = 4

Result key: 12  
Scenario 1 Affected station 9  
Before Analysis

Results for: 18A PR NARANJITO USERRECORD01 APP

HAAT 228.0 m, ATV ERP 50.0 kW	
	POPULATION AREA (sq km)
within Noise Limited Contour	2941353 14353.7
not affected by terrain losses	2609901 12975.1
lost to NTSC IX	0 0.0
lost to additional IX by ATV	4127 48.0
lost to ATV IX only	4127 48.0
lost to all IX	4127 48.0

## Potential Interfering Stations Included in above Scenario 1

17A PR AGUADILLA	BMPCDT	20060705ABD	CP
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
19A PR PONCE	DTVPLN	DTVP0691	PLN

Result key: 13  
Scenario 2 Affected station 9  
Before Analysis

Results for: 18A PR NARANJITO USERRECORD01 APP

HAAT 228.0 m, ATV ERP 50.0 kW	
	POPULATION AREA (sq km)

within Noise Limited Contour	2941353	14353.7
not affected by terrain losses	2609901	12975.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4127	48.0
lost to ATV IX only	4127	48.0
lost to all IX	4127	48.0

Potential Interfering Stations Included in above Scenario 2

17A PR AGUADILLA	BMPCDT	20060705ABD	CP
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
19A PR PONCE	BMPCDT	20040318ABY	CP

Result key: 14  
 Scenario 3 Affected station 9  
 Before Analysis

Results for: 18A PR NARANJITO USERRECORD01 APP  
 HAAT 228.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2941353	14353.7
not affected by terrain losses	2609901	12975.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4127	48.0
lost to ATV IX only	4127	48.0
lost to all IX	4127	48.0

Potential Interfering Stations Included in above Scenario 3

17A PR AGUADILLA	DTVPLN	DTVP0614	PLN
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
19A PR PONCE	DTVPLN	DTVP0691	PLN

Result key: 15  
 Scenario 4 Affected station 9  
 Before Analysis

Results for: 18A PR NARANJITO USERRECORD01 APP  
 HAAT 228.0 m, ATV ERP 50.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2941353	14353.7
not affected by terrain losses	2609901	12975.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	4127	48.0
lost to ATV IX only	4127	48.0
lost to all IX	4127	48.0

Potential Interfering Stations Included in above Scenario 4

17A PR AGUADILLA	DTVPLN	DTVP0614	PLN
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0621	PLN
19A PR PONCE	BMPCDT	20040318ABY	CP

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