

WECN-DT, Naranjito, PR, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
18	WECNDT	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	-DTVP0617
17	WVXF	CHARLOTTE AMALIE VI	139.5	PLN	DTVPLN	-DTVP0624
17	WVXF	CHARLOTTE AMALIE VI	139.5	CP MOD	BMPCDT	-20080618AAX
19	WKPV	PONCE PR	56.0	CP MOD	BMPCDT	-20040318ABY
19	WKPV	PONCE PR	56.0	PLN	DTVPLN	-DTVP0698
20	WIMN-CA	ARECIBO PR	43.0	LIC	BLTTL	-20010102AAX

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	BPCDT	-20060828ABI
14	WMEI	ARECIBO PR	43.9	PLN	DTVPLN	-DTVP0509
14	WMEI	ARECIBO PR	43.9	APP	BMPCDT	-20080620ACV
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	-DTVP0545
15	WVIF	CHRISTIANSTED VI	156.4	LIC	BLCT	-20001227ABK
15	WVIF	CHRISTIANSTED VI	156.4	PLN	DTVPLN	-DTVP0555
16	WMTJ	FAJARDO PR	39.1	APP	BMPEDT	-20080620AEH
16	WMTJ	FAJARDO PR	39.1	PLN	DTVPLN	-DTVP0580
16	WMTJ	FAJARDO PR	39.1	CP MOD	BMPEDT	-20070629AEN
16	WOST	MAYAGUEZ PR	108.1	LIC	BLCT	-20060120AAC
17	WVEO	AGUADILLA PR	106.9	CP MOD	BMPCDT	-20060705ABD
17	WVEO	AGUADILLA PR	106.9	PLN	DTVPLN	-DTVP0617
17	WVXF	CHARLOTTE AMALIE VI	128.7	PLN	DTVPLN	-DTVP0624
17	WVXF	CHARLOTTE AMALIE VI	128.7	CP MOD	BMPCDT	-20080618AAX
18	WECN	NARANJITO PR	10.7	PLN	DTVPLN	-DTVP0649
19	WKPV	PONCE PR	66.0	CP MOD	BMPCDT	-20040318ABY
19	WKPV	PONCE PR	66.0	PLN	DTVPLN	-DTVP0698
22	WOST	MAYAGUEZ PR	108.1	PLN	DTVPLN	-DTVP0823
22	WOST	MAYAGUEZ PR	108.1	CP	BPCDT	-20080303AKY
23	WNJX-TV	MAYAGUEZ PR	87.8	CP MOD	BMPCDT	-20040115ACG
23	WNJX-TV	MAYAGUEZ PR	87.8	PLN	DTVPLN	-DTVP0860
29	WORA-TV	MAYAGUEZ PR	88.4	CP MOD	BMPCDT	-20061221AAL
29	WORA-TV	MAYAGUEZ PR	88.4	PLN	DTVPLN	-DTVP1092
30	WDWL	BAYAMON PR	6.1	CP	BPCDT	-20080317AEF

WECN-DT, Naranjito, PR, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

30	WDWL	BAYAMON PR	6.1	PLN	DTVPLN	-DTVP1120
30	WSJU-TV	SAN JUAN PR	7.9	LIC	BLCT	-19841129LB
18	WECNDT	NARANJITO PR	10.7	APP	USERRECORD-01	

Proposal causes no interference

#####

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	APP	BMPEDT	-20080620AEH
16	WMTJ	FAJARDO PR	145.9	PLN	DTVPLN	-DTVP0580
16	WMTJ	FAJARDO PR	145.9	CP MOD	BMPEDT	-20070629AEN
17	WVXF	CHARLOTTE AMALIE VI	235.4	PLN	DTVPLN	-DTVP0624
17	WVXF	CHARLOTTE AMALIE VI	235.4	CP MOD	BMPCDT	-20080618AAX
18	WECN	NARANJITO PR	96.2	PLN	DTVPLN	-DTVP0649
18	WECNDT	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	DTVPLN	DTVP0580	PLN
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0624	PLN
18A PR NARANJITO	DTVPLN	DTVP0649	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

WECN-DT, Naranjito, PR, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

lost to all IX 25038 152.0

Potential Interfering Stations Included in above Scenario 1

16A PR FAJARDO	DTVPLN	DTVP0580	PLN
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0624	PLN
18A PR NARANJITO	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	WVEO	AGUADILLA PR	DTVPLN	-DTVP0617

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WMTJ	FAJARDO PR	145.9	APP	BMPEDT	-20080620AEH
16	WMTJ	FAJARDO PR	145.9	PLN	DTVPLN	-DTVP0580
16	WMTJ	FAJARDO PR	145.9	CP MOD	BMPEDT	-20070629AEN
17	WVXF	CHARLOTTE AMALIE VI	235.4	PLN	DTVPLN	-DTVP0624
17	WVXF	CHARLOTTE AMALIE VI	235.4	CP MOD	BMPCDT	-20080618AAX
18	WECN	NARANJITO PR	96.2	PLN	DTVPLN	-DTVP0649
18	WECNDT	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 DTVP0617 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	DTVPLN	DTVP0580	PLN
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0624	PLN
18A PR NARANJITO	DTVPLN	DTVP0649	PLN

After Analysis

Results for: 17A PR AGUADILLA DTVPLN DTVP0617 PLN

WECN-DT, Naranjito, PR, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

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	DTVPLN	DTVP0580	PLN
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0624	PLN
18A PR NARANJITO	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	WVXF	CHARLOTTE AMALIE VI	DTVPLN	-DTVP0624

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WMTJ	FAJARDO PR	89.6	APP	BMPEDT	-20080620AEH
16	WMTJ	FAJARDO PR	89.6	PLN	DTVPLN	-DTVP0580
16	WMTJ	FAJARDO PR	89.6	CP MOD	BMPEDT	-20070629AEN
17	WVEO	AGUADILLA PR	235.4	CP MOD	BMPCDT	-20060705ABD
17	WVEO	AGUADILLA PR	235.4	PLN	DTVPLN	-DTVP0617
18	WECN	NARANJITO PR	139.5	PLN	DTVPLN	-DTVP0649
18	WECNDT	NARANJITO PR	139.5	APP	USERRECORD-01	

Proposal causes no interference

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
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	APP	BMPEDT	-20080620AEH
16	WMTJ	FAJARDO PR	89.6	PLN	DTVPLN	-DTVP0580
16	WMTJ	FAJARDO PR	89.6	CP MOD	BMPEDT	-20070629AEN
17	WVEO	AGUADILLA PR	235.4	CP MOD	BMPCDT	-20060705ABD
17	WVEO	AGUADILLA PR	235.4	PLN	DTVPLN	-DTVP0617

WECN-DT, Naranjito, PR, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

18 WECN NARANJITO PR 139.5 PLN DTVPLN -DTVP0649
18 WECNDT NARANJITO PR 139.5 APP USERRECORD-01
Proposal causes no interference

#####

Analysis of Interference to Affected Station 6

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	-DTVP0649
20	WSVI	CHRISTIANSTED VI	209.3	CP	BPCDT	-20080229AAF
20	WSVI	CHRISTIANSTED VI	209.3	PLN	DTVPLN	-DTVP0746
18	WECNDT	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 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 DTVP0649 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

WECN-DT, Naranjito, PR, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	WKPV	PONCE PR	DTVPLN	-DTVP0698

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	WECN	NARANJITO PR	56.0	PLN	DTVPLN	-DTVP0649
20	WSVI	CHRISTIANSTED VI	209.3	CP	BPCDT	-20080229AAF
20	WSVI	CHRISTIANSTED VI	209.3	PLN	DTVPLN	-DTVP0746
18	WECNDT	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 DTVPLN DTVP0698 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	DTVP0649	PLN
------------------	--------	----------	-----

After Analysis

Results for: 19A PR PONCE DTVPLN DTVP0698 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	USERRECORD01	APP
------------------	--------------	-----

WECN-DT, Naranjito, PR, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

#####

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	APP	BMPEDT -20080620AEH
16	WMTJ	FAJARDO PR	90.3	PLN	DTVPLN -DTVP0580
16	WMTJ	FAJARDO PR	90.3	CP MOD	BMPEDT -20070629AEN
17	WVEO	AGUADILLA PR	59.0	CP MOD	BMPCDT -20060705ABD
17	WVEO	AGUADILLA PR	59.0	PLN	DTVPLN -DTVP0617
18	WECN	NARANJITO PR	43.0	PLN	DTVPLN -DTVP0649
19	WKPV	PONCE PR	43.1	CP MOD	BMPCDT -20040318ABY
19	WKPV	PONCE PR	43.1	PLN	DTVPLN -DTVP0698
20	WKPV	PONCE PR	43.1	LIC	BLCT -20010130ABD
20	WSVI	CHRISTIANSTED VI	209.2	CP	BPCDT -20080229AAF
20	WSVI	CHRISTIANSTED VI	209.2	PLN	DTVPLN -DTVP0746
21	WJPX	SAN JUAN PR	84.9	LIC	BLCDT -20060621ACJ
21	WJPX	SAN JUAN PR	84.9	PLN	DTVPLN -DTVP0779
22	WOST	MAYAGUEZ PR	60.3	PLN	DTVPLN -DTVP0823
22	WOST	MAYAGUEZ PR	60.3	CP	BPCDT -20080303AKY
23	WNJX-TV	MAYAGUEZ PR	49.7	CP MOD	BMPCDT -20040115ACG
23	WNJX-TV	MAYAGUEZ PR	49.7	PLN	DTVPLN -DTVP0860
27	WAPA-TV	SAN JUAN PR	72.6	LIC	BLCDT -20060621ACQ
27	WAPA-TV	SAN JUAN PR	72.6	PLN	DTVPLN -DTVP1016
28	WKAQ-TV	SAN JUAN PR	72.3	LIC	BLCDT -20020201AAG
28	WKAQ-TV	SAN JUAN PR	72.3	PLN	DTVPLN -DTVP1054
34	WELU	AGUADILLA PR	50.1	CP MOD	BMPEDT -20040316AFD
34	WELU	AGUADILLA PR	50.1	PLN	DTVPLN -DTVP1270
34	WRUA	FAJARDO PR	90.3	LIC	BLCT -19970216KE
35	WIPM-TV	MAYAGUEZ PR	49.7	APP	BPEDT -20080619AEV
35	WIPM-TV	MAYAGUEZ PR	49.7	PLN	DTVPLN -DTVP1306
35	WIPM-TV	MAYAGUEZ PR	49.7	CP MOD	BMPEDT -20030204ADS
18	WECNDT	NARANJITO PR	43.0	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 9

Analysis of current record

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

Stations Potentially Affecting This Station

WECN-DT, Naranjito, PR, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

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	-DTVP0617
17	WVXF	CHARLOTTE AMALIE VI	139.5	PLN	DTVPLN	-DTVP0624
17	WVXF	CHARLOTTE AMALIE VI	139.5	CP MOD	BMPCDT	-20080618AAX
19	WKPV	PONCE PR	56.0	CP MOD	BMPCDT	-20040318ABY
19	WKPV	PONCE PR	56.0	PLN	DTVPLN	-DTVP0698

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	2862627	14124.7
not affected by terrain losses	2551255	12862.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3803	28.0
lost to ATV IX only	3803	28.0
lost to all IX	3803	28.0

Potential Interfering Stations Included in above Scenario 1

17A PR AGUADILLA	BMPCDT	20060705ABD	CP
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0624	PLN
19A PR PONCE	BMPCDT	20040318ABY	CP

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	2862627	14124.7
not affected by terrain losses	2551255	12862.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3803	28.0
lost to ATV IX only	3803	28.0
lost to all IX	3803	28.0

Potential Interfering Stations Included in above Scenario 2

17A PR AGUADILLA	BMPCDT	20060705ABD	CP
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0624	PLN
19A PR PONCE	DTVPLN	DTVP0698	PLN

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	2862627	14124.7

WECN-DT, Naranjito, PR, OET-69 Post-Transition Interference Analysis (worst-case scenarios)

not affected by terrain losses	2551255	12862.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3959	32.0
lost to ATV IX only	3959	32.0
lost to all IX	3959	32.0

Potential Interfering Stations Included in above Scenario 3

17A PR AGUADILLA	DTVPLN	DTVP0617	PLN
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0624	PLN
19A PR PONCE	BMPCDT	20040318ABY	CP

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	2862627	14124.7
not affected by terrain losses	2551255	12862.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3959	32.0
lost to ATV IX only	3959	32.0
lost to all IX	3959	32.0

Potential Interfering Stations Included in above Scenario 4

17A PR AGUADILLA	DTVPLN	DTVP0617	PLN
17A VI CHARLOTTE AMALIE	DTVPLN	DTVP0624	PLN
19A PR PONCE	DTVPLN	DTVP0698	PLN

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED