

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/export/home/cdb/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-29-2011 Time: 11:55:41

Record Selected for Analysis

RAYMOND2 USERRECORD-01 SAN_LORENZO_APP PR US
Channel 29 ERP 15. kW HAAT 176. m RCAMSL 00397 m FULL SERVICE MASK
Latitude 018-11-37 Longitude 0065-59-22
Status APP Zone 2 Border Site number: 01
Dir Antenna Make CDB Model 00000000017791 Beam tilt N Ref Azimuth 20.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 0.50 km

Not full service station
Service Class = LD
Maximum height/power limits not checked

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	14.406	273.1	53.7
45.0	14.702	205.5	50.0
90.0	10.086	262.8	51.3
135.0	0.360	176.9	29.2
180.0	0.038	98.1	12.9
225.0	0.038	33.0	7.7
270.0	0.794	116.7	29.4
315.0	10.965	244.1	50.7

Contour Overlap to Proposed Station

Station			
W29CB	29 ST. THOMAS	VI BLTTL19971105II	causes

Contour overlap to Digital LPTV station
RAYMOND2 29 SAN_LORENZO_APP PR USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

Checks to Site Number 01

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

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
29	RAYMOND2	SAN_LORENZO_APP PR	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WVGN-LP	CHARLOTTE AMALIE VI	109.0	LIC	BLTTL	-20031204AIR
21	W31DK-D	MAYAGUEZ PR	118.5	CP	BNPTTL	-20000807ADI
22	WXWZ-LP	GUAYAMA PR	22.5	LIC	BLTTL	-19931101IG
22	WMNS-LP	CHARLOTTE AMALIE VI	111.4	LIC	BLTTL	-20041015ABV
26	WWKQ-LP	QUEBRADILLAS PR	103.9	CP	BPTTL	-20110617ABQ
26	WWKQ-LP	QUEBRADILLAS PR	103.9	LIC	BLTTL	-20041108ABN
26	W26DK-D	SAN JUAN PR	28.0	APP	BSTA	-20061127AGE
28	W28DV-D	RINCON PR	126.4	CP	BNPDTL	-20090825BMF
28	WKAQ-TV	SAN JUAN PR	11.0	CP	BPCDT	-20100616ADC
28	WKAQ-TV	SAN JUAN PR	11.0	LIC	BLCDT	-20020201AAG
29	WORA-TV	MAYAGUEZ PR	105.7	LIC	BLCDT	-20081118AFU
29	W29CB	ST. THOMAS VI	109.5	LIC	BLTTL	-19971105II
30	WSJP-LP	AQUADILLA PR	124.9	LIC	BLTTL	-20050411AAY
30	WDWL	BAYAMON PR	15.9	LIC	BLCDT	-20091124ADX
30	W30DB-D	MAYAGUEZ PR	118.4	CP	BNPDTL	-20090828ADX
30	WQQZ-CA	PONCE PR	81.4	CP	BDISDTA	-20090824AFJ
32	W32AJ	UTUADO PR	78.4	LIC	BLTT	-19890703IC
33	WQQZ-CA	PONCE PR	81.4	CP	BPTTA	-20110609ABM
33	WQQZ-CA	PONCE PR	80.9	LIC	BLTTL	-19981208JA
36	W36DP	YCAMUY PR	126.4	CP	BDISTTL	-20070629AJN

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	WVGN-LP	CHARLOTTE AMALIE VI	BLTTL	-20031204AIR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WMEI	ARECIBO PR	168.6	LIC	BLCDDT	-20090723AEO
15	W15CX-D	CULEBRA PR	34.9	CP	BNPDTL	-20090825BAN
16	WMTJ	FAJARDO PR	87.1	CP MOD	BMPEDT	-20080620AEH
16	WMTJ	FAJARDO PR	87.1	LIC	BLEDT	-20090303AAB
17	WVXF	CHARLOTTE AMALIE VI	2.5	LIC	BLCDDT	-20090623ABB
18	WECN	NARANJITO PR	136.9	LIC	BLCDDT	-20090610ABG
21	WJPX	SAN JUAN PR	93.5	LIC	BLCDDT	-20060621ACJ
28	WKAQ-TV	SAN JUAN PR	117.3	CP	BPCDDT	-20100616ADC
28	WKAQ-TV	SAN JUAN PR	117.3	LIC	BLCDDT	-20020201AAG
29	W29CB	ST. THOMAS VI	0.5	LIC	BLTTTL	-19971105II
29	RAYMOND2	SAN_LORENZO_APP PR	109.0	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	W31DK-D	MAYAGUEZ PR	BNPTTL	-20000807ADI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WMEI	ARECIBO PR	58.9	LIC	BLCDDT	-20090723AEO
17	WVEO	AGUADILLA PR	16.3	LIC	BLCDDT	-20071116ACV
18	WECN	NARANJITO PR	89.9	LIC	BLCDDT	-20090610ABG
19	WKPV	PONCE PR	40.2	LIC	BLCDDT	-20081002AAX
21	W21CX-D	MAYAGUEZ PR	16.5	LIC	BLDTL	-20100526ACU
21	WJPX	SAN JUAN PR	133.2	LIC	BLCDDT	-20060621ACJ
22	WOST	MAYAGUEZ PR	16.4	LIC	BLCDDT	-20090813AAM
23	WNJX-TV	MAYAGUEZ PR	14.1	LIC	BLCDDT	-20081029ACA
25	WQTO	PONCE PR	40.1	LIC	BLEDT	-20060615ACV
25	WQTO	PONCE PR	16.3	CP MOD	BMPEDT	-20100202ABJ
25	WQTO	PONCE PR	40.1	CP MOD	BMPEDT	-20100202ABJ
28	WKAQ-TV	SAN JUAN PR	112.1	CP	BPCDDT	-20100616ADC
28	WKAQ-TV	SAN JUAN PR	112.1	LIC	BLCDDT	-20020201AAG
29	WORA-TV	MAYAGUEZ PR	13.5	LIC	BLCDDT	-20081118AFU
35	WIPM-TV	MAYAGUEZ PR	14.1	CP	BPEDT	-20080619AEV
35	WIPM-TV	MAYAGUEZ PR	14.1	LIC	BLEDT	-20060627ACQ
36	W36DP	YCAMUY PR	16.3	CP	BDISTTL	-20070629AJN
29	RAYMOND2	SAN_LORENZO_APP PR	118.5	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WXWZ-LP	GUAYAMA PR	BLTTTL	-19931101IG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WMEI	ARECIBO PR	47.9	LIC	BLCDT	-20090723AEO
15	WTIN-TV	PONCE PR	50.7	LIC	BLCDT	-20081029ABZ
18	WECN	NARANJITO PR	32.8	LIC	BLCDT	-20090610ABG
19	WKPX	PONCE PR	66.7	LIC	BLCDT	-20081002AAX
20	WSVI	CHRISTIANSTED VI	143.0	LIC	BLCDT	-20090603AFN
21	W21DD-D	NAGUABO PR	54.6	CP	BNPDTL	-20090921ADJ
21	WJPX	SAN JUAN PR	39.2	LIC	BLCDT	-20060621ACJ
22	W22DR-D	CAROLINA PR	39.2	CP	BNPDTL	-20090827ACK
22	WOST	MAYAGUEZ PR	117.3	LIC	BLCDT	-20090813AAM
22	WMNS-LP	CHARLOTTE AMALIE VI	128.8	LIC	BLTTL	-20041015ABV
22	WMNS-LP	CHARLOTTE AMALIE VI	128.8	CP	BDFCDTL	-20090611AAN
23	NEW	CEIBA PR	54.6	APP	BNPDTL	-20090825BJF
23	WXWZ-LD	GUAYAMA PR	14.4	LIC	BLDTL	-20100324ABD
23	WNJX-TV	MAYAGUEZ PR	92.2	LIC	BLCDT	-20081029ACA
23	NEW	SAN JUAN PR	11.2	APP	BNPDTL	-20090825ASV
25	WQTO	PONCE PR	66.8	LIC	BLEDT	-20060615ACV
25	WQTO	PONCE PR	116.5	CP MOD	BMPEDT	-20100202ABJ
25	WQTO	PONCE PR	66.8	CP MOD	BMPEDT	-20100202ABJ
29	WORA-TV	MAYAGUEZ PR	92.8	LIC	BLCDT	-20081118AFU
30	WDWL	BAYAMON PR	27.5	LIC	BLCDT	-20091124ADX
29	RAYMOND2	SAN_LORENZO_APP PR	22.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WMNS-LP	CHARLOTTE AMALIE VI	BLTTL	-20041015ABV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	WECN	NARANJITO PR	139.4	LIC	BLCDT	-20090610ABG
20	WSVI	CHRISTIANSTED VI	68.4	LIC	BLCDT	-20090603AFN
21	WJPX	SAN JUAN PR	96.0	LIC	BLCDT	-20060621ACJ
22	W22DR-D	CAROLINA PR	96.0	CP	BNPDTL	-20090827ACK
22	WXWZ-LP	GUAYAMA PR	128.8	LIC	BLTTL	-19931101IG
22	WOST	MAYAGUEZ PR	236.6	LIC	BLCDT	-20090813AAM
23	WCVI-TV	CHRISTIANSTED VI	71.3	LIC	BLCDT	-20090625AAH
30	WDWL	BAYAMON PR	122.9	LIC	BLCDT	-20091124ADX
29	RAYMOND2	SAN_LORENZO_APP PR	111.4	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
26	WWKQ-LP	QUEBRADILLAS PR	BPTTL -20110617ABQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
18	WECN	NARANJITO PR	72.6	LIC	BLCDT -20090610ABG
19	WKPV	PONCE PR	48.4	LIC	BLCDT -20081002AAX
22	WOST	MAYAGUEZ PR	33.4	LIC	BLCDT -20090813AAM
23	WNJX-TV	MAYAGUEZ PR	37.3	LIC	BLCDT -20081029ACA
25	NEW	CAMUY PR	32.5	APP	BNPDTL -20090825BHQ
25	WQTO	PONCE PR	48.4	LIC	BLEDT -20060615ACV
25	WQTO	PONCE PR	32.3	CP MOD	BMPEDT -20100202ABJ
25	WQTO	PONCE PR	48.4	CP MOD	BMPEDT -20100202ABJ
26	W26DV-D	MAUNABO PR	101.1	CP	BNPDTL -20090825BGH
26	W26DU-D	PONCE PR	53.6	CP	BNPDTL -20090825BWA
26	W26DK-D	SAN JUAN PR	78.8	APP	BSTA -20061127AGE
26	W26DK-D	SAN JUAN PR	78.9	LIC	BLDTL -20090807ACF
27	WAPA-TV	SAN JUAN PR	101.1	LIC	BLCDT -20060621ACQ
28	WKAQ-TV	SAN JUAN PR	100.8	CP	BPCDT -20100616ADC
28	WKAQ-TV	SAN JUAN PR	100.8	LIC	BLCDT -20020201AAG
29	WORA-TV	MAYAGUEZ PR	37.3	LIC	BLCDT -20081118AFU
30	WDWL	BAYAMON PR	89.0	LIC	BLCDT -20091124ADX
33	WRUA	FAJARDO PR	120.9	LIC	BLCDT -20090610ABH
34	WELU	AGUADILLA PR	37.2	LIC	BLEDT -20080514AFW
41	WIRS	YAUCO PR	50.7	LIC	BLCDT -20081006AAY
29	RAYMOND2	SAN_LORENZO_APP PR	103.9	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
26	WWKQ-LP	QUEBRADILLAS PR	BLTTL -20041108ABN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
18	WECN	NARANJITO PR	72.6	LIC	BLCDT -20090610ABG
19	WKPV	PONCE PR	48.4	LIC	BLCDT -20081002AAX
22	WOST	MAYAGUEZ PR	33.4	LIC	BLCDT -20090813AAM
23	WNJX-TV	MAYAGUEZ PR	37.3	LIC	BLCDT -20081029ACA
25	NEW	CAMUY PR	32.5	APP	BNPDTL -20090825BHQ
25	WQTO	PONCE PR	48.4	LIC	BLEDT -20060615ACV
25	WQTO	PONCE PR	32.3	CP MOD	BMPEDT -20100202ABJ
25	WQTO	PONCE PR	48.4	CP MOD	BMPEDT -20100202ABJ
26	W26DV-D	MAUNABO PR	101.1	CP	BNPDTL -20090825BGH
26	W26DU-D	PONCE PR	53.6	CP	BNPDTL -20090825BWA
26	W26DK-D	SAN JUAN PR	78.8	APP	BSTA -20061127AGE
26	W26DK-D	SAN JUAN PR	78.9	LIC	BLDTL -20090807ACF
27	WAPA-TV	SAN JUAN PR	101.1	LIC	BLCDT -20060621ACQ
28	WKAQ-TV	SAN JUAN PR	100.8	CP	BPCDT -20100616ADC
28	WKAQ-TV	SAN JUAN PR	100.8	LIC	BLCDT -20020201AAG
29	WORA-TV	MAYAGUEZ PR	37.3	LIC	BLCDT -20081118AFU

30	WDWL	BAYAMON PR	89.0	LIC	BLCDT	-20091124ADX
33	WRUA	FAJARDO PR	120.9	LIC	BLCDT	-20090610ABH
34	WELU	AGUADILLA PR	37.2	LIC	BLEDT	-20080514AFW
41	WIRS	YAUCO PR	50.7	LIC	BLCDT	-20081006AAY
29	RAYMOND2	SAN_LORENZO_APP PR	103.9	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	W26DK-D	SAN JUAN PR	BSTA	-20061127AGE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	WECN	NARANJITO PR	11.0	LIC	BLCDT	-20090610ABG
19	WKPV	PONCE PR	66.5	LIC	BLCDT	-20081002AAX
22	WOST	MAYAGUEZ PR	105.6	LIC	BLCDT	-20090813AAM
23	WNJX-TV	MAYAGUEZ PR	86.9	LIC	BLCDT	-20081029ACA
25	NEW	CAMUY PR	61.7	APP	BNPDTL	-20090825BHQ
25	WQTO	PONCE PR	66.6	LIC	BLEDT	-20060615ACV
25	WQTO	PONCE PR	104.5	CP MOD	BMPEDT	-20100202ABJ
25	WQTO	PONCE PR	66.6	CP MOD	BMPEDT	-20100202ABJ
25	W25EE-D	RIO GRANDE PR	44.5	CP	BNPDTL	-20090825BAI
25	W25EF-D	TOA BAJA PR	11.0	CP	BNPDTL	-20090825BHU
26	W26DV-D	MAUNABO PR	31.1	CP	BNPDTL	-20090825BGH
26	W26DU-D	PONCE PR	44.6	CP	BNPDTL	-20090825BWA
26	WWKQ-LP	QUEBRADILLAS PR	78.8	CP	BPTTL	-20110617ABQ
27	WAPA-TV	SAN JUAN PR	31.1	LIC	BLCDT	-20060621ACQ
28	WKAQ-TV	SAN JUAN PR	30.7	CP	BPCDT	-20100616ADC
28	WKAQ-TV	SAN JUAN PR	30.7	LIC	BLCDT	-20020201AAG
29	WORA-TV	MAYAGUEZ PR	87.4	LIC	BLCDT	-20081118AFU
30	WDWL	BAYAMON PR	12.2	LIC	BLCDT	-20091124ADX
33	WRUA	FAJARDO PR	42.1	LIC	BLCDT	-20090610ABH
34	WELU	AGUADILLA PR	87.5	LIC	BLEDT	-20080514AFW
41	WIRS	YAUCO PR	45.9	LIC	BLCDT	-20081006AAY
29	RAYMOND2	SAN_LORENZO_APP PR	28.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
28	W28DV-D	RINCON PR	BNPDTL	-20090825BMF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
27	WAPA-TV	SAN JUAN PR	121.4	LIC	BLCDT	-20060621ACQ

28	WKAQ-TV	SAN JUAN PR	121.1	CP	BPCDT	-20100616ADC
28	WKAQ-TV	SAN JUAN PR	121.1	LIC	BLCDT	-20020201AAG
29	WORA-TV	MAYAGUEZ PR	27.5	LIC	BLCDT	-20081118AFU
29	RAYMOND2	SAN_LORENZO_APP PR	126.4	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.
28	WKAQ-TV	SAN JUAN PR	BPCDT -20100616ADC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
27	WAPA-TV	SAN JUAN PR	0.4	LIC	BLCDT -20060621ACQ
29	WORA-TV	MAYAGUEZ PR	99.0	LIC	BLCDT -20081118AFU
29	RAYMOND2	SAN_LORENZO_APP PR	11.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
28	WKAQ-TV	SAN JUAN PR	BLCDT -20020201AAG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
27	WAPA-TV	SAN JUAN PR	0.4	LIC	BLCDT -20060621ACQ
29	WORA-TV	MAYAGUEZ PR	99.0	LIC	BLCDT -20081118AFU
29	RAYMOND2	SAN_LORENZO_APP PR	11.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	WORA-TV	MAYAGUEZ PR	BLCDT -20081118AFU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
28	WKAQ-TV	SAN JUAN PR	99.0	CP	BPCDT -20100616ADC
28	WKAQ-TV	SAN JUAN PR	99.0	LIC	BLCDT -20020201AAG
30	WDWL	BAYAMON PR	94.0	LIC	BLCDT -20091124ADX
29	RAYMOND2	SAN_LORENZO_APP PR	105.7	APP	USERRECORD-01

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 11
Before Analysis

Results for: 29A PR MAYAGUEZ BLCDT 20081118AFU LIC
HAAT 634.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2403896	44726.3
not affected by terrain losses	1982279	44202.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	274269	492.8
lost to ATV IX only	274269	492.8
lost to all IX	274269	492.8

Potential Interfering Stations Included in above Scenario 1

28A PR SAN JUAN	BPCDT	20100616ADC	CP
30A PR BAYAMON	BLCDT	20091124ADX	LIC

After Analysis

Results for: 29A PR MAYAGUEZ BLCDT 20081118AFU LIC
HAAT 634.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2403896	44726.3
not affected by terrain losses	1982279	44202.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	277008	934.3
lost to ATV IX only	277008	934.3
lost to all IX	277008	934.3

Potential Interfering Stations Included in above Scenario 1

28A PR SAN JUAN	BPCDT	20100616ADC	CP
30A PR BAYAMON	BLCDT	20091124ADX	LIC
29A PR SAN_LORENZO_APP	USERRECORD01		APP

Percent new IX = 0.1604%

Result key: 2
Scenario 2 Affected station 11
Before Analysis

Results for: 29A PR MAYAGUEZ BLCDT 20081118AFU LIC
HAAT 634.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2403896	44726.3
not affected by terrain losses	1982279	44202.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	277129	534.1
lost to ATV IX only	277129	534.1
lost to all IX	277129	534.1

Potential Interfering Stations Included in above Scenario 2

28A PR SAN JUAN	BLCDT	20020201AAG	LIC
30A PR BAYAMON	BLCDT	20091124ADX	LIC

After Analysis

Results for: 29A PR MAYAGUEZ BLC DT 20081118AFU LIC

HAAT 634.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2403896	44726.3
not affected by terrain losses	1982279	44202.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	279160	930.3
lost to ATV IX only	279160	930.3
lost to all IX	279160	930.3

Potential Interfering Stations Included in above Scenario 2

28A PR SAN JUAN	BLC DT	20020201AAG	LIC
30A PR BAYAMON	BLC DT	20091124ADX	LIC
29A PR SAN_LORENZO_APP	USERRECORD01		APP

Percent new IX = 0.1191%

Worst case new IX 0.1604% Scenario 1

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
29	W29CB	ST. THOMAS VI	BLTTL	-19971105II

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WJPX	SAN JUAN PR	94.0	LIC	BLC DT	-20060621ACJ
27	WAPA-TV	SAN JUAN PR	117.7	LIC	BLC DT	-20060621ACQ
28	WKAQ-TV	SAN JUAN PR	117.8	CP	BPC DT	-20100616ADC
28	WKAQ-TV	SAN JUAN PR	117.8	LIC	BLC DT	-20020201AAG
29	WORA-TV	MAYAGUEZ PR	214.7	LIC	BLC DT	-20081118AFU
30	WDWL	BAYAMON PR	120.9	LIC	BLC DT	-20091124ADX
31	WSJU-TV	SAN JUAN PR	119.2	LIC	BLC DT	-20090217AEH
32	WTCV	SAN JUAN PR	119.2	LIC	BLC DT	-20040722ADD
33	WRUA	FAJARDO PR	87.5	LIC	BLC DT	-20090610ABH
43	WIPR-TV	SAN JUAN PR	117.7	LIC	BLE DT	-20090618ACM
43	WIPR-TV	SAN JUAN PR	76.0	CP MOD	BMPEDT	-20100203AAB
43	WIPR-TV	SAN JUAN PR	76.0	CP MOD	BMPEDT	-20100203AAB
43	WIPR-TV	SAN JUAN PR	117.7	CP MOD	BMPEDT	-20100203AAB
43	WIPR-TV	SAN JUAN PR	117.7	CP MOD	BMPEDT	-20080619AEX
43	WZVI	CHARLOTTE AMALIE VI	4.2	LIC	BLC DT	-20040517AFB
44	WTJX-TV	CHARLOTTE AMALIE VI	2.1	LIC	BLE DT	-20040823ABI
44	WTJX-TV	CHARLOTTE AMALIE VI	2.0	CP	BPEDT	-20091013AFO
29	RAYMOND2	SAN_LORENZO_APP PR	109.5	APP	USERRECORD-01	

Total scenarios = 1

Result key: 3
Scenario 1 Affected station 12

Before Analysis

Results for: 29N VI ST. THOMAS	BLTTL	19971105II	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1868	3735.4	
not affected by terrain losses	1748	3710.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	375	2.0	
lost to all IX	375	2.0	

Potential Interfering Stations Included in above Scenario 1

28A PR SAN JUAN	BLCDT	20020201AAG	LIC
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After Analysis

Results for: 29N VI ST. THOMAS	BLTTL	19971105II	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1868	3735.4	
not affected by terrain losses	1748	3710.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	380	222.5	
lost to all IX	380	222.5	

Potential Interfering Stations Included in above Scenario 1

28A PR SAN JUAN	BLCDT	20020201AAG	LIC
29A PR SAN_LORENZO_APP	USERRECORD01		APP

Percent new IX = 0.2677%

Worst case new IX 0.2677% Scenario 1

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	WSJP-LP	AQUADILLA PR	BLTTL -20050411AAY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WOST	MAYAGUEZ PR	11.0	LIC	BLCDT -20090813AAM
23	WNJX-TV	MAYAGUEZ PR	33.6	LIC	BLCDT -20081029ACA
27	WAPA-TV	SAN JUAN PR	120.7	LIC	BLCDT -20060621ACQ
28	WKAQ-TV	SAN JUAN PR	120.4	CP	BPCDT -20100616ADC
28	WKAQ-TV	SAN JUAN PR	120.4	LIC	BLCDT -20020201AAG
29	WORA-TV	MAYAGUEZ PR	33.2	LIC	BLCDT -20081118AFU
30	WDWL	BAYAMON PR	110.8	LIC	BLCDT -20091124ADX
30	W30DB-D	MAYAGUEZ PR	20.2	CP	BNPDTL -20090828ADX
30	WQQZ-CA	PONCE PR	55.8	CP	BDISDTA -20090824AFJ
31	W31DK-D	MAYAGUEZ PR	20.2	CP	BDISDTL -20081208ABP
31	WSJU-TV	SAN JUAN PR	112.6	LIC	BLCDT -20090217AEH
32	WTCV	SAN JUAN PR	112.6	LIC	BLCDT -20040722ADD
33	WRUA	FAJARDO PR	143.6	LIC	BLCDT -20090610ABH
34	WELU	AGUADILLA PR	33.1	LIC	BLEDT -20080514AFW

45	WIDP	GUAYAMA PR	137.8	LIC	BLCDT	-20071113ACX
29	RAYMOND2	SAN_LORENZO_APP PR	124.9	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	WDWL	BAYAMON PR	BLCDT	-20091124ADX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	WORA-TV	MAYAGUEZ PR	94.0	LIC	BLCDT	-20081118AFU
31	WSJU-TV	SAN JUAN PR	1.8	LIC	BLCDT	-20090217AEH
29	RAYMOND2	SAN_LORENZO_APP PR	15.9	APP	USERRECORD-01	

Total scenarios = 1

Result key: 4
Scenario 1 Affected station 14
Before Analysis

Results for: 30A PR BAYAMON BLCDT 20091124ADX LIC

HAAT 313.0 m, ATV ERP 100.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2888914	18483.9
not affected by terrain losses	2582304	15489.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1854	13.8
lost to ATV IX only	1854	13.8
lost to all IX	1854	13.8

Potential Interfering Stations Included in above Scenario 1

29A PR MAYAGUEZ	BLCDT	20081118AFU	LIC
31A PR SAN JUAN	BLCDT	20090217AEH	LIC

After Analysis

Results for: 30A PR BAYAMON BLCDT 20091124ADX LIC

HAAT 313.0 m, ATV ERP 100.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2888914	18483.9
not affected by terrain losses	2582304	15489.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6621	77.7
lost to ATV IX only	6621	77.7
lost to all IX	6621	77.7

Potential Interfering Stations Included in above Scenario 1

29A PR MAYAGUEZ	BLCDT	20081118AFU	LIC
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31A PR SAN JUAN BLCDT 20090217AEH LIC
29A PR SAN_LORENZO_APP USERRECORD01 APP

Percent new IX = 0.1847%

Worst case new IX 0.1847% Scenario 1

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	W30DB-D	MAYAGUEZ PR	BNPDTL -20090828ADX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WORA-TV	MAYAGUEZ PR	15.5	LIC	BLCDT -20081118AFU
30	WSJP-LP	AQUADILLA PR	20.2	LIC	BLTTL -20050411AAY
30	WDWL	BAYAMON PR	105.8	LIC	BLCDT -20091124ADX
30	WQQZ-CA	PONCE PR	41.5	CP	BDISDTA -20090824AFJ
31	W31DK-D	MAYAGUEZ PR	0.0	CP	BDISDTL -20081208ABP
31	W31DL-D	PONCE PR	57.9	LIC	BLDTL -20090810ABM
31	WSJU-TV	SAN JUAN PR	107.5	LIC	BLCDT -20090217AEH
29	RAYMOND2	SAN_LORENZO_APP PR	118.4	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application Ref. No.
30	WQQZ-CA	PONCE PR	BDISDTA -20090824AFJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WORA-TV	MAYAGUEZ PR	26.4	LIC	BLCDT -20081118AFU
30	WSJP-LP	AQUADILLA PR	55.8	LIC	BLTTL -20050411AAY
30	WDWL	BAYAMON PR	71.3	LIC	BLCDT -20091124ADX
30	W30DB-D	MAYAGUEZ PR	41.5	CP	BNPDTL -20090828ADX
31	NEW	GUAYAMA PR	68.7	APP	BNPDTL -20101013ACR
31	W31DK-D	MAYAGUEZ PR	41.5	CP	BDISDTL -20081208ABP
31	W31DL-D	PONCE PR	16.5	LIC	BLDTL -20090810ABM
31	WSJU-TV	SAN JUAN PR	72.8	LIC	BLCDT -20090217AEH
29	RAYMOND2	SAN_LORENZO_APP PR	81.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
32	W32AJ	UTUADO PR	BLTT -19890703IC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
25	WQTO	PONCE PR	22.8	LIC	BLEDT -20060615ACV
25	WQTO	PONCE PR	48.1	CP MOD	BMPEDT -20100202ABJ
25	WQTO	PONCE PR	22.8	CP MOD	BMPEDT -20100202ABJ
28	WKAQ-TV	SAN JUAN PR	73.5	CP	BPCDT -20100616ADC
28	WKAQ-TV	SAN JUAN PR	73.5	LIC	BLCDT -20020201AAG
29	WORA-TV	MAYAGUEZ PR	31.5	LIC	BLCDT -20081118AFU
30	WDWL	BAYAMON PR	65.1	LIC	BLCDT -20091124ADX
31	WSJU-TV	SAN JUAN PR	66.8	LIC	BLCDT -20090217AEH
32	W32DV-D	ARROYO PR	73.0	CP	BNPDTL -20090825BLR
32	W32DY-D	HATILLO PR	19.3	CP	BNPDTL -20090825BAP
32	NEW	MAYAGUEZ PR	48.1	APP	BNPDTL -20090910AAX
32	W32DZ-D	MAYAGUEZ PR	41.0	CP	BNPDTL -20090828ADO
32	WTCV	SAN JUAN PR	66.8	LIC	BLCDT -20040722ADD
33	WRUA	FAJARDO PR	98.3	LIC	BLCDT -20090610ABH
33	WQQZ-CA	PONCE PR	22.9	CP	BPTTA -20110609ABM
33	WQQZ-CA	PONCE PR	22.7	LIC	BLTTL -19981208JA
34	WELU	AGUADILLA PR	31.5	LIC	BLEDT -20080514AFW
35	WIPM-TV	MAYAGUEZ PR	31.0	CP	BPEDT -20080619AEV
35	WIPM-TV	MAYAGUEZ PR	31.0	LIC	BLEDT -20060627ACQ
39	WJWN-TV	SAN SEBASTIAN PR	31.0	LIC	BLCDT -20081014AAQ
46	WCCV-TV	ARECIBO PR	6.5	LIC	BLCDT -20090612AFO
47	WVOZ-TV	PONCE PR	22.7	LIC	BLCDT -20071116ACW
29	RAYMOND2	SAN_LORENZO_APP PR	78.4	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WQQZ-CA	PONCE PR	BPTTA -20110609ABM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
25	WQTO	PONCE PR	0.2	LIC	BLEDT -20060615ACV
25	WQTO	PONCE PR	52.5	CP MOD	BMPEDT -20100202ABJ
25	WQTO	PONCE PR	0.2	CP MOD	BMPEDT -20100202ABJ
29	WORA-TV	MAYAGUEZ PR	26.4	LIC	BLCDT -20081118AFU
30	WDWL	BAYAMON PR	71.3	LIC	BLCDT -20091124ADX
31	WSJU-TV	SAN JUAN PR	72.8	LIC	BLCDT -20090217AEH
32	W32DY-D	HATILLO PR	41.8	CP	BNPDTL -20090825BAP
32	W32DZ-D	MAYAGUEZ PR	41.5	CP	BNPDTL -20090828ADO
32	WTCV	SAN JUAN PR	72.8	LIC	BLCDT -20040722ADD
32	W32AJ	UTUADO PR	22.9	LIC	BLTT -19890703IC
33	W33CY-D	ANASCO PR	52.5	CP	BNPDTL -20090825BLY

33	WRUA	FAJARDO PR	104.2	LIC	BLCDT	-20090610ABH
34	WELU	AGUADILLA PR	26.5	LIC	BLEDT	-20080514AFW
34	W51EH-D	PONCE PR	18.2	CP	BNPTTL	-20000807ADG
35	WIPM-TV	MAYAGUEZ PR	25.8	CP	BPEDT	-20080619AEV
35	WIPM-TV	MAYAGUEZ PR	25.8	LIC	BLEDT	-20060627ACQ
41	WIRS	YAUCO PR	20.9	LIC	BLCDT	-20081006AAY
47	WVOZ-TV	PONCE PR	0.4	LIC	BLCDT	-20071116ACW
48	WUJA	CAGUAS PR	71.3	LIC	BLEDT	-20090612ADS
29	RAYMOND2	SAN_LORENZO_APP PR	81.4	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	WQQZ-CA	PONCE PR	BLTTL	-19981208JA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
25	WQTO	PONCE PR	0.3	LIC	BLEDT	-20060615ACV
25	WQTO	PONCE PR	52.9	CP MOD	BMPEDT	-20100202ABJ
25	WQTO	PONCE PR	0.3	CP MOD	BMPEDT	-20100202ABJ
29	WORA-TV	MAYAGUEZ PR	26.8	LIC	BLCDT	-20081118AFU
30	WDWL	BAYAMON PR	70.8	LIC	BLCDT	-20091124ADX
31	WSJU-TV	SAN JUAN PR	72.3	LIC	BLCDT	-20090217AEH
32	W32DY-D	HATILLO PR	41.7	CP	BNPDTL	-20090825BAP
32	W32DZ-D	MAYAGUEZ PR	41.8	CP	BNPDTL	-20090828ADO
32	WTCV	SAN JUAN PR	72.3	LIC	BLCDT	-20040722ADD
32	W32AJ	UTUADO PR	22.7	LIC	BLTT	-19890703IC
33	W33CY-D	ANASCO PR	52.9	CP	BNPDTL	-20090825BLY
33	WRUA	FAJARDO PR	103.7	LIC	BLCDT	-20090610ABH
34	WELU	AGUADILLA PR	26.9	LIC	BLEDT	-20080514AFW
34	W51EH-D	PONCE PR	17.9	CP	BNPTTL	-20000807ADG
35	WIPM-TV	MAYAGUEZ PR	26.2	CP	BPEDT	-20080619AEV
35	WIPM-TV	MAYAGUEZ PR	26.2	LIC	BLEDT	-20060627ACQ
41	WIRS	YAUCO PR	20.5	LIC	BLCDT	-20081006AAY
47	WVOZ-TV	PONCE PR	0.1	LIC	BLCDT	-20071116ACW
48	WUJA	CAGUAS PR	70.8	LIC	BLEDT	-20090612ADS
29	RAYMOND2	SAN_LORENZO_APP PR	80.9	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	W36DP	YCAMUY PR	BDISTTL	-20070629AJN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	WKAQ-TV	SAN JUAN PR	121.1	CP	BPCDT	-20100616ADC
28	WKAQ-TV	SAN JUAN PR	121.1	LIC	BLCDT	-20020201AAG
29	WORA-TV	MAYAGUEZ PR	27.4	LIC	BLCDT	-20081118AFU
32	WTCV	SAN JUAN PR	114.8	LIC	BLCDT	-20040722ADD
34	WELU	AGUADILLA PR	27.3	LIC	BLEDT	-20080514AFW
35	WIPM-TV	MAYAGUEZ PR	27.9	CP	BPEDT	-20080619AEV
35	WIPM-TV	MAYAGUEZ PR	27.9	LIC	BLEDT	-20060627ACQ
36	WIMN-CA	ARECIBO PR	59.2	CP	BDISDTA	-20091203AID
36	NEW	CIDRA PR	103.0	APP	BNPDTL	-20090825BOZ
36	W36EE-D	MAYAGUEZ PR	27.9	CP	BNPDTL	-20100309ABZ
36	W36DU-D	MAYAGUEZ PR	28.2	CP	BNPDTL	-20090825BSR
36	W31DL-D	PONCE PR	69.0	APP	BDFCDTL	-20081208ADY
36	NEW	SAN JUAN PR	107.1	APP	BNPDTL	-20090825AGA
36	NEW	YABUCOA PR	121.4	APP	BNPDTL	-20090825BGP
36	NEW	YAUCO PR	47.1	APP	BNPDTL	-20101013ACQ
39	WJWN-TV	SAN SEBASTIAN PR	27.9	LIC	BLCDT	-20081014AAQ
43	WIPR-TV	SAN JUAN PR	121.4	LIC	BLEDT	-20090618ACM
43	WIPR-TV	SAN JUAN PR	121.4	CP MOD	BMPEDT	-20100203AAB
43	WIPR-TV	SAN JUAN PR	121.4	CP MOD	BMPEDT	-20080619AEX
50	WQHA	AGUADA PR	0.0	LIC	BLCDT	-20090612AEJ
51	WRFB	CAROLINA PR	140.1	LIC	BLCDT	-20071116AFB
51	WRFB	CAROLINA PR	140.1	CP	BPCDT	-20081118AEZ
29	RAYMOND2	SAN_LORENZO_APP PR	126.4	APP	USERRECORD-01	
43	WIPR-TV	SAN JUAN PR		CP MOD	BMPEDT	-20100203AAB
43	WIPR-TV	SAN JUAN PR		CP MOD	BMPEDT	-20100203AAB

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
29	RAYMOND2	SAN_LORENZO_APP PR	USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
28	WKAQ-TV	SAN JUAN PR	11.0	CP	BPCDT	-20100616ADC
28	WKAQ-TV	SAN JUAN PR	11.0	LIC	BLCDT	-20020201AAG
29	WORA-TV	MAYAGUEZ PR	105.7	LIC	BLCDT	-20081118AFU
29	W29CB	ST. THOMAS VI	109.5	LIC	BLTTL	-19971105II
30	WDWL	BAYAMON PR	15.9	LIC	BLCDT	-20091124ADX
30	WQQZ-CA	PONCE PR	81.4	CP	BDISDTA	-20090824AFJ

Total scenarios = 2

Result key: 5
Scenario 1 Affected station 21
Before Analysis

Results for: 29A PR SAN_LORENZO_APP USERRECORD01 APP

HAAT 176.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2061212	5107.5
not affected by terrain losses	1833861	4159.4
lost to NTSC IX	178513	1012.0
lost to additional IX by ATV	868813	1304.4
lost to ATV IX only	1033337	2222.0
lost to all IX	1047326	2316.5

Potential Interfering Stations Included in above Scenario 1

29N VI ST. THOMAS	BLTTL	19971105II	LIC
28A PR SAN JUAN	BPCDT	20100616ADC	CP
29A PR MAYAGUEZ	BLCDT	20081118AFU	LIC
30A PR BAYAMON	BLCDT	20091124ADX	LIC

Result key: 6
Scenario 2 Affected station 21
Before Analysis

Results for: 29A PR SAN_LORENZO_APP USERRECORD01 APP
HAAT 176.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2061212	5107.5
not affected by terrain losses	1833861	4159.4
lost to NTSC IX	178513	1012.0
lost to additional IX by ATV	919963	1394.0
lost to ATV IX only	1089349	2375.5
lost to all IX	1098476	2406.1

Potential Interfering Stations Included in above Scenario 2

29N VI ST. THOMAS	BLTTL	19971105II	LIC
28A PR SAN JUAN	BLCDT	20020201AAG	LIC
29A PR MAYAGUEZ	BLCDT	20081118AFU	LIC
30A PR BAYAMON	BLCDT	20091124ADX	LIC

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