

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/cdbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-11-2012 Time: 09:18:42

Record Selected for Analysis

RAYM36CP USERRECORD-01 RAYM36CP XX US
Channel 36 ERP 15. kW HAAT 114. m RCAMSL 00222 m FULL SERVICE MASK
Latitude 018-02-37 Longitude 0066-50-25
Status APP Zone 2 Border Site number: 01
Dir Antenna Make CDB Model 00000000017788 Beam tilt N Ref Azimuth 240.
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	5.953	33.0	25.8
45.0	0.693	33.0	15.7
90.0	0.794	79.5	25.3
135.0	10.086	207.4	48.2
180.0	14.114	195.0	49.2
225.0	14.114	195.5	49.2
270.0	12.974	141.3	45.4
315.0	14.553	33.0	29.9

Database HAAT does not agree with computed HAAT
Database HAAT: 114 Computed HAAT: 115

Contour Overlap to Proposed Station

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 2.64km from AM station

YAUCO PR WENA Status: Antenna: DA1

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
36	RAYM36CP	RAYM36CP XX	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WXWZ-LP	GUAYAMA PR	76.2	LIC	BLTTL	-19931101IG
32	W32AJ	UTUADO PR	29.3	LIC	BLTT	-19890703IC
33	WQQZ-CA	PONCE PR	10.3	LIC	BLTTA	-20110713ABR
35	WIPM-TV	MAYAGUEZ PR	19.2	CP	BPEDT	-20080619AEV
35	WIPM-TV	MAYAGUEZ PR	19.2	LIC	BLEDT	-20060627ACQ
36	W33DD-D	TUTU, ST THOMAS VI	202.8	CP	BNPDTL	-20090825BHG

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WXWZ-LP	GUAYAMA PR	BLTTL	-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	WKPV	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 MOD	BMPDTL	-20111129DTD
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
25	WQTO	PONCE PR	66.8	LIC	BLEDT	-20111114BFK

25	WQTO	PONCE PR	116.5	CP	BPEDT	-20111116AYA
25	WQTO	PONCE PR	66.8	CP	BPEDT	-20111116AYA
29	WORA-TV	MAYAGUEZ PR	27.1	CP	BPCDT	-20120515AFP
29	WORA-TV	MAYAGUEZ PR	92.8	CP	BPCDT	-20120515AFP
29	WORA-TV	MAYAGUEZ PR	92.8	LIC	BLCDT	-20081118AFU
30	WDWL	BAYAMON PR	27.5	LIC	BLCDT	-20091124ADX
36	RAYM36CP	RAYM36CP XX	76.2	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.
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	-20111114BFK
25	WQTO	PONCE PR	48.1	CP	BPEDT	-20111116AYA
25	WQTO	PONCE PR	22.8	CP	BPEDT	-20111116AYA
28	WKAQ-TV	SAN JUAN PR	73.5	LIC	BLCDT	-20110325AAP
29	WORA-TV	MAYAGUEZ PR	66.6	CP	BPCDT	-20120515AFP
29	WORA-TV	MAYAGUEZ PR	31.5	CP	BPCDT	-20120515AFP
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	W32DZ-D	MAYAGUEZ PR	48.1	CP MOD	BMPDTL	-20120402AAO
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	LIC	BLTTA	-20110713ABR
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
36	RAYM36CP	RAYM36CP XX	29.3	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	WQQZ-CA	PONCE PR	BLTTA	-20110713ABR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
25	WQTO	PONCE PR	0.2	LIC	BLEDT	-20111114BFK
25	WQTO	PONCE PR	52.5	CP	BPEDT	-20111116AYA
25	WQTO	PONCE PR	0.2	CP	BPEDT	-20111116AYA
29	WORA-TV	MAYAGUEZ PR	72.6	CP	BPCDT	-20120515AFP
29	WORA-TV	MAYAGUEZ PR	26.4	CP	BPCDT	-20120515AFP
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	52.5	CP MOD	BMPDTL	-20120402AAO
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 MOD	BMPDTL	-20120224AAX
33	WRUA	FAJARDO PR	104.2	LIC	BLCDT	-20090610ABH
34	WELU	AGUADILLA PR	26.5	LIC	BLEDT	-20080514AFW
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	CP	BPCDT	-20120612ACU
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
36	RAYM36CP	RAYM36CP XX	10.3	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.
35	WIPM-TV	MAYAGUEZ PR	BPEDT	-20080619AEV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	WELU	AGUADILLA PR	0.7	LIC	BLEDT	-20080514AFW
36	RAYM36CP	RAYM36CP XX	19.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1

Scenario 1 Affected station 4

Before Analysis

Results for: 35A PR MAYAGUEZ BPEDT 20080619AEV CP
 HAAT 674.0 m, ATV ERP 784.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2378554	46144.6
not affected by terrain losses	1980492	45562.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

After Analysis

Results for: 35A PR MAYAGUEZ BPEDT 20080619AEV CP

HAAT 674.0 m, ATV ERP 784.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2378554	46144.6
not affected by terrain losses	1980492	45562.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	404	6.9
lost to ATV IX only	404	6.9
lost to all IX	404	6.9

Potential Interfering Stations Included in above Scenario 1

36A XX RAYM36CP USERRECORD01 APP

Percent new IX = 0.0204%

Worst case new IX 0.0204% Scenario 1

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	WIPM-TV	MAYAGUEZ PR	BLEDT	-20060627ACQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	WELU	AGUADILLA PR	0.7	LIC	BLEDT	-20080514AFW
36	RAYM36CP	RAYM36CP XX	19.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2

Scenario 1 Affected station 5

Before Analysis

Results for: 35A PR MAYAGUEZ BLEDT 20060627ACQ LIC

HAAT 674.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2276242	44361.2
not affected by terrain losses	1878175	43766.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	390	1.0
lost to ATV IX only	390	1.0
lost to all IX	390	1.0

Potential Interfering Stations Included in above Scenario 1

34A PR AGUADILLA BLEDT 20080514AFW LIC

After Analysis

Results for: 35A PR MAYAGUEZ BLEDT 20060627ACQ LIC
HAAT 674.0 m, ATV ERP 620.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2276242	44361.2
not affected by terrain losses	1878175	43766.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	713	9.9
lost to ATV IX only	713	9.9
lost to all IX	713	9.9

Potential Interfering Stations Included in above Scenario 1

34A PR AGUADILLA BLEDT 20080514AFW LIC
36A XX RAYM36CP USERRECORD01 APP

Percent new IX = 0.0172%

Worst case new IX 0.0172% Scenario 1

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
36	W33DD-D	TUTU, ST THOMAS VI	BNPDTL -20090825BHG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
36	RAYM36CP	RAYM36CP XX	202.8	APP	USERRECORD-01
Proposal causes no interference					

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
36	RAYM36CP	RAYM36CP XX	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
35	WIPM-TV	MAYAGUEZ PR	19.2	CP	BPEDT -20080619AEV
35	WIPM-TV	MAYAGUEZ PR	19.2	LIC	BLEDT -20060627ACQ

Total scenarios = 2

Result key: 3
Scenario 1 Affected station 7
Before Analysis

Results for: 36A XX RAYM36CP USERRECORD01 APP
HAAT 114.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	548111	4706.6
not affected by terrain losses	358808	4351.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	96136	1267.9
lost to ATV IX only	96136	1267.9
lost to all IX	96136	1267.9

Potential Interfering Stations Included in above Scenario 1

35A PR MAYAGUEZ BPEDT 20080619AEV CP

Result key: 4
Scenario 2 Affected station 7
Before Analysis

Results for: 36A XX RAYM36CP USERRECORD01 APP
HAAT 114.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	548111	4706.6
not affected by terrain losses	358808	4351.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	95192	1138.7
lost to ATV IX only	95192	1138.7
lost to all IX	95192	1138.7

Potential Interfering Stations Included in above Scenario 2

35A PR MAYAGUEZ BLEDT 20060627ACQ LIC

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