

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/cdbb/pt\_tvdb.sff  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 09-05-2014 Time: 16:14:54

Record Selected for Analysis

WELUDT USERRECORD-01 XXXX XX US  
Channel 34 ERP 41.6 kW HAAT 605. m RCAMSL 00897 m  
Latitude 018-09-06 Longitude 0066-59-23  
Status APP Zone 2 Border Site number: 01  
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 (site # 01) meets maximum height/power limits

Site number	1			
Azimuth	ERP	HAAT	41.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	41.600	575.7	91.434	
45.0	41.600	529.8	88.597	
90.0	41.600	136.5	61.525	
135.0	41.600	623.1	93.545	
180.0	41.064	799.9	99.391	
225.0	41.156	787.1	99.003	
270.0	41.339	761.7	98.214	
315.0	41.600	630.0	93.792	

Evaluation toward Class A Stations from site # 01

Contour overlap to Class A station  
WQQZ-CA 33 PONCE PR BLTTA 20110713ABR

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WELUDT 34 XXXX XX USERRECORD01 Site # 01

and station

SHORT TO: WELU 34 AGUADILLA PR BLEDT 20080514AFW  
018-09- 6 0066-59-23  
Req. separation 223.7 Actual separation 0.0 Short 223.7 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 01

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

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Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
34	WELUDT	XXXX XX	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WRUA	FAJARDO PR	127.4	LIC	BLCDT	20090610ABH
33	WQQZ-CA	PONCE PR	26.5	LIC	BLTTA	20110713ABR
35	WIPM-TV	MAYAGUEZ PR	0.7	LIC	BLEDT	20060627ACQ

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	WRUA	FAJARDO PR	BLCDT	-20090610ABH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
32	WTCV	SAN JUAN PR	31.8	LIC	BLCDT	-20040722ADD
34	WELUDT	XXXX XX	127.4	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.
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	52.5	LIC	BLEDT	-20130708ACB
25	WQTO	PONCE PR	0.2	LIC	BLEDT	-20130708ACB
29	WORA-TV	MAYAGUEZ PR	26.4	LIC	BLCDT	-20081118AFU
29	WORA-TV	MAYAGUEZ PR	26.4	CP	BPCDT	-20120515AFP
29	WORA-TV	MAYAGUEZ PR	72.6	CP	BPCDT	-20120515AFP
30	WDWL	BAYAMON PR	71.3	LIC	BLCDT	-20091124ADX
31	WSJU-TV	SAN JUAN PR	72.8	LIC	BLCDT	-20090217AEH
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	LIC	BLDTL	-20140404AAX
33	WRUA	FAJARDO PR	104.2	LIC	BLCDT	-20090610ABH
35	WIPM-TV	MAYAGUEZ PR	25.8	LIC	BLEDT	-20060627ACQ
41	WIRS	YAUCO PR	20.9	LIC	BLCDT	-20121113AHF
47	WVOZ-TV	PONCE PR	0.4	LIC	BLCDT	-20071116ACW
48	WUJA	CAGUAS PR	71.3	LIC	BLEDT	-20090612ADS
34	WELUDT	XXXX XX	26.5	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 2  
Before Analysis

Results for: 33N PR PONCE	BLTTA	20110713ABR	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	251735	424.7	
not affected by terrain losses	237467	392.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	1826	8.0	
lost to all IX	1826	8.0	

Potential Interfering Stations Included in above Scenario 1

25A PR PONCE	BLEDT	20130708ACB	LIC
35A PR MAYAGUEZ	BLEDT	20060627ACQ	LIC

### After Analysis

Results for: 33N PR PONCE	BLTTA	20110713ABR	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	251735	424.7	
not affected by terrain losses	237467	392.6	
lost to NTSC IX	0	0.0	

lost to additional IX by ATV	1826	8.0
lost to all IX	1826	8.0

Potential Interfering Stations Included in above Scenario 1

25A PR PONCE	BLEDT	20130708ACB	LIC
35A PR MAYAGUEZ	BLEDT	20060627ACQ	LIC
34A XX XXXX	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.
35	WIPM-TV	MAYAGUEZ PR	BLEDT	-20060627ACQ

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
34	WELUDT	XXXX XX	0.7	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2  
 Scenario 1 Affected station 3  
 Before Analysis

Results for: 35A PR MAYAGUEZ BLEDT 20060627ACQ LIC

HAAT 674.0 m, ATV ERP 620.0 kW	
	POPULATION
within Noise Limited Contour	2262905
not affected by terrain losses	1947856
lost to NTSC IX	0
lost to additional IX by ATV	0
lost to ATV IX only	0
lost to all IX	0

Potential Interfering Stations Included in above Scenario 1

#### After Analysis

Results for: 35A PR MAYAGUEZ BLEDT 20060627ACQ LIC

HAAT 674.0 m, ATV ERP 620.0 kW	
	POPULATION
within Noise Limited Contour	2262905
not affected by terrain losses	1947856
lost to NTSC IX	0
lost to additional IX by ATV	1579
lost to ATV IX only	1579
lost to all IX	1579

Potential Interfering Stations Included in above Scenario 1

34A XX XXXX USERRECORD01 APP

Percent new IX = 0.0811%

Worst case new IX 0.0811% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WELUDT	XXXX XX	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WRUA	FAJARDO PR	127.4	LIC	BLCDT -20090610ABH
35	WIPM-TV	MAYAGUEZ PR	0.7	LIC	BLEDT -20060627ACQ

Total scenarios = 1

Result key: 3  
Scenario 1 Affected station 4  
Before Analysis

Results for: 34A XX XXXX USERRECORD01 APP

HAAT 605.0 m, ATV ERP 41.6 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1536034	26638.5
not affected by terrain losses	1308324	25921.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	96114	392.4
lost to ATV IX only	96114	392.4
lost to all IX	96114	392.4

Potential Interfering Stations Included in above Scenario 1

33A PR FAJARDO	BLCDT	20090610ABH	LIC
35A PR MAYAGUEZ	BLEDT	20060627ACQ	LIC

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