

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-24-2009 Time: 15:10:33

Record Selected for Analysis

NEW USERRECORD-01 WRIO PONCE PR US  
Channel 03 ERP 0.3 kW HAAT 88. m RCAMSL 00160 m STRINGENT MASK  
Latitude 018-01-40 Longitude 0066-39-19  
Status APP Zone 2 Border  
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

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	43.0 dBu F(50,90) (km)
0.0	0.300	33.0	20.4
45.0	0.300	33.0	20.4
90.0	0.300	114.2	34.1
135.0	0.300	158.2	39.1
180.0	0.300	155.2	38.8
225.0	0.300	114.2	34.1
270.0	0.300	70.9	28.1
315.0	0.300	33.0	20.4

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station 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	Call	Proposed Station City/State	ARN
03	NEW	WRIO PONCE PR	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
04	W44CK	SAN JUAN PR	89.2	APP	USERRECORD-02
02	NEW	CUBUY PR	89.2	APP	USERRECORD-03

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
04	W44CK	SAN JUAN PR	USERRECORD-02

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
03	NEW	WRIO PONCE PR	89.2	APP	USERRECORD-01

Total scenarios = 1

Result key: 1

Scenario 1 Affected station 1 W44CK  
Before Analysis

Results for: 4A PR SAN JUAN USERRECORD02 APP

HAAT 581.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2310523	6500.4
not affected by terrain losses	2300876	6457.0
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: 4A PR SAN JUAN USERRECORD02 APP

HAAT	581.0 m, ATV ERP	0.3 kW
	POPULATION	AREA (sq km)
within Noise Limited Contour	2310523	6500.4
not affected by terrain losses	2300876	6457.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	994	6.9
lost to ATV IX only	994	6.9
lost to all IX	994	6.9

Potential Interfering Stations Included in above Scenario 1

3A PR WRIO PONCE USERRECORD01 APP

Percent new IX = 0.0432%

Worst case new IX 0.0432% Scenario 1

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# Analysis of Interference to Affected Station 2

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
02	NEW	CUBUY PR	USERRECORD-03

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
03	NEW	WRIO PONCE PR	89.2	APP	USERRECORD-01

Total scenarios = 1

Result key: 2  
Scenario 1 Affected station 2 NEW  
Before Analysis

Results for: 2A PR CUBUY USERRECORD03 APP

HAAT	562.0 m, ATV ERP	0.3 kW
	POPULATION	AREA (sq km)
within Noise Limited Contour	2434728	11788.0
not affected by terrain losses	2434548	11691.5
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: 2A PR CUBUY USERRECORD03 APP

HAAT	562.0 m, ATV ERP	0.3 kW
	POPULATION	AREA (sq km)

within Noise Limited Contour	2434728	11788.0
not affected by terrain losses	2434548	11691.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2050	13.8
lost to ATV IX only	2050	13.8
lost to all IX	2050	13.8

Potential Interfering Stations Included in above Scenario 1

3A PR WRIO PONCE USERRECORD01 APP

Percent new IX = 0.0842%

Worst case new IX 0.0842% Scenario 1

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
03	NEW	WRIO PONCE PR	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
04	W44CK	SAN JUAN PR	89.2	APP	USERRECORD-02
02	NEW	CUBUY PR	89.2	APP	USERRECORD-03

Total scenarios = 1

Result key: 3

Scenario 1 Affected station 3 NEW

Before Analysis

Results for: 3A PR WRIO PONCE USERRECORD01 APP

HAAT 88.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	433789	2905.8
not affected by terrain losses	433789	2905.8
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

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