

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-27-2009 Time: 16:42:57

Record Selected for Analysis

NEW USERRECORD-01 WRIO PONCE PR US  
Channel 05 ERP 0.3 kW HAAT 53. m RCAMSL 00071 m STRINGENT MASK  
Latitude 017-58-52 Longitude 0066-36-49  
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	70.3	28.0
135.0	0.300	69.0	27.8
180.0	0.300	71.0	28.1
225.0	0.300	71.0	28.1
270.0	0.300	53.9	25.3
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 0.06km from AM station

PONCE PR WZUR Status: L Antenna: ND1

Proposed station is 0.00km from AM station

PONCE PR WLEO Status: Antenna: ND2

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### Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
05	NEW	WRIO PONCE PR	USERRECORD01

### Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	NEW	SAN JUAN PR	58.8	APP	BNPDVL	-20090825AVT
05	WFIG-LP	CHARLOTTE AMALIE VI	180.9	LIC	BLTTV	-19830516JH
05	W05AW	CHRISTIANSTED, ETC. VI	193.5	LIC	BLTTV	-19850322IB
06	NEW	SAN JUAN PR	58.8	APP	BNPDVL	-20090825AUS
06	NEW	SAN JUAN PR	86.9	APP	BNPDVL	-20090825BHO

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### Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	NEW	SAN JUAN PR	BNPDVL	-20090825AVT

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	WFIG-LP	CHARLOTTE AMALIE VI	128.7	LIC	BLTTV	-19830516JH
05	W05AW	CHRISTIANSTED, ETC. VI	156.3	LIC	BLTTV	-19850322IB
06	NEW	SAN JUAN PR	0.0	APP	BNPDVL	-20090825AUS
06	NEW	SAN JUAN PR	33.1	APP	BNPDVL	-20090825BHO
05	NEW	WRIO PONCE PR	58.8	APP	USERRECORD-01	

Total scenarios = 2

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

Results for: 5A PR SAN JUAN BNPDLV 20090825AVT APP  
HAAT 1.0 m, ATV ERP 0.3 kW  
POPULATION AREA (sq km)  
within Noise Limited Contour 1045948 2660.6  
not affected by terrain losses 1045948 2660.6

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: 5A PR SAN JUAN BNPDLV 20090825AVT APP  
HAAT 1.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1045948	2660.6
not affected by terrain losses	1045948	2660.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	55	1.0
lost to ATV IX only	55	1.0
lost to all IX	55	1.0

Potential Interfering Stations Included in above Scenario 1

5A PR WRIO PONCE USERRECORD01 APP

Percent new IX = 0.0053%

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

Results for: 5A PR SAN JUAN BNPDLV 20090825AVT APP  
HAAT 1.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1045948	2660.6
not affected by terrain losses	1045948	2660.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	151995	121.0
lost to ATV IX only	151995	121.0
lost to all IX	151995	121.0

Potential Interfering Stations Included in above Scenario 2

6A PR SAN JUAN BNPDLV 20090825BHO APP

#### After Analysis

Results for: 5A PR SAN JUAN BNPDLV 20090825AVT APP  
HAAT 1.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1045948	2660.6
not affected by terrain losses	1045948	2660.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	152050	122.0
lost to ATV IX only	152050	122.0
lost to all IX	152050	122.0

Potential Interfering Stations Included in above Scenario 2

6A PR SAN JUAN                      BNPDL      20090825BHO   APP  
5A PR WRIO PONCE                    USERRECORD01                    APP

Percent new IX =      0.0062%

Worst case new IX      0.0062% Scenario      2

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Analysis of Interference to Affected Station    2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
05	WFIG-LP	CHARLOTTE AMALIE VI	BLTTV      -19830516JH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
05	NEW	SAN JUAN PR	128.7	APP	BNPDVL      -20090825AVT
05	W05AW	CHRISTIANSTED, ETC. VI	68.5	LIC	BLTTV      -19850322IB
06	NEW	SAN JUAN PR	128.7	APP	BNPDVL      -20090825AUS
06	NEW	SAN JUAN PR	95.9	APP	BNPDVL      -20090825BHO
05	NEW	WRIO PONCE PR	180.9	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.
05	W05AW	CHRISTIANSTED, ETC. VI	BLTTV      -19850322IB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
05	NEW	SAN JUAN PR	156.3	APP	BNPDVL      -20090825AVT
05	WFIG-LP	CHARLOTTE AMALIE VI	68.5	LIC	BLTTV      -19830516JH
06	NEW	SAN JUAN PR	156.3	APP	BNPDVL      -20090825AUS
06	NEW	SAN JUAN PR	125.5	APP	BNPDVL      -20090825BHO
05	NEW	WRIO PONCE PR	193.5	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.
06	NEW	SAN JUAN PR	BNPDVL      -20090825AUS

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	NEW	SAN JUAN PR	0.0	APP	BNPDVL	-20090825AVT
06	NEW	SAN JUAN PR	33.1	APP	BNPDVL	-20090825BHO
05	NEW	WRIO PONCE PR	58.8	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 5

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	NEW	SAN JUAN PR	BNPDVL	-20090825BHO

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	NEW	SAN JUAN PR	33.1	APP	BNPDVL	-20090825AVT
06	NEW	SAN JUAN PR	33.1	APP	BNPDVL	-20090825AUS
05	NEW	WRIO PONCE PR	86.9	APP	USERRECORD-01	

Total scenarios = 4

Result key: 3

Scenario 1 Affected station 5 NEW

Before Analysis

Results for: 6A PR SAN JUAN BNPDLV 20090825BHO APP

HAAT 1.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2455971	12552.4
not affected by terrain losses	2455843	12451.9
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: 6A PR SAN JUAN BNPDLV 20090825BHO APP

HAAT 1.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2455971	12552.4
not affected by terrain losses	2455843	12451.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	5591	47.3
lost to ATV IX only	5591	47.3
lost to all IX	5591	47.3

Potential Interfering Stations Included in above Scenario 1

5A PR WRIO PONCE                      USERRECORD01                      APP

Percent new IX =        0.2277%

Result key:                4

Scenario                2    Affected station                      5    NEW

Before Analysis

Results for:    6A PR SAN JUAN                      BNPDL        20090825BHO    APP  
                 HAAT        1.0 m, ATV ERP        0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2455971	12552.4
not affected by terrain losses	2455843	12451.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	460835	1464.4
lost to ATV IX only	460835	1464.4
lost to all IX	460835	1464.4

Potential Interfering Stations Included in above Scenario 2

5A PR SAN JUAN                      BNPDL        20090825AVT    APP  
6A PR SAN JUAN                      BNPDL        20090825AUS    APP

After Analysis

Results for:    6A PR SAN JUAN                      BNPDL        20090825BHO    APP  
                 HAAT        1.0 m, ATV ERP        0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2455971	12552.4
not affected by terrain losses	2455843	12451.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	466426	1511.7
lost to ATV IX only	466426	1511.7
lost to all IX	466426	1511.7

Potential Interfering Stations Included in above Scenario 2

5A PR SAN JUAN                      BNPDL        20090825AVT    APP  
6A PR SAN JUAN                      BNPDL        20090825AUS    APP  
5A PR WRIO PONCE                      USERRECORD01                      APP

Percent new IX =        0.2802%

Result key:                5

Scenario                3    Affected station                      5    NEW

Before Analysis

Results for:    6A PR SAN JUAN                      BNPDL        20090825BHO    APP  
                 HAAT        1.0 m, ATV ERP        0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2455971	12552.4
not affected by terrain losses	2455843	12451.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	40058	91.6

lost to ATV IX only	40058	91.6
lost to all IX	40058	91.6

Potential Interfering Stations Included in above Scenario 3

5A PR SAN JUAN BNPDLV 20090825AVT APP

After Analysis

Results for: 6A PR SAN JUAN BNPDLV 20090825BHO APP

HAAT 1.0 m, ATV ERP 0.3 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	2455971	12552.4
not affected by terrain losses	2455843	12451.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	45649	138.9
lost to ATV IX only	45649	138.9
lost to all IX	45649	138.9

Potential Interfering Stations Included in above Scenario 3

5A PR SAN JUAN BNPDLV 20090825AVT APP  
5A PR WRIO PONCE USERRECORD01 APP

Percent new IX = 0.2314%

Result key: 6  
Scenario 4 Affected station 5 NEW  
Before Analysis

Results for: 6A PR SAN JUAN BNPDLV 20090825BHO APP

HAAT 1.0 m, ATV ERP 0.3 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	2455971	12552.4
not affected by terrain losses	2455843	12451.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	460835	1464.4
lost to ATV IX only	460835	1464.4
lost to all IX	460835	1464.4

Potential Interfering Stations Included in above Scenario 4

6A PR SAN JUAN BNPDLV 20090825AUS APP

After Analysis

Results for: 6A PR SAN JUAN BNPDLV 20090825BHO APP

HAAT 1.0 m, ATV ERP 0.3 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	2455971	12552.4
not affected by terrain losses	2455843	12451.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	466426	1511.7
lost to ATV IX only	466426	1511.7
lost to all IX	466426	1511.7

Potential Interfering Stations Included in above Scenario 4

6A PR SAN JUAN                      BNPDL      20090825AUS   APP  
5A PR WRIO PONCE                    USERRECORD01                    APP

Percent new IX =      0.2802%

Worst case new IX      0.2802% Scenario      2

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Analysis of Interference to Affected Station    6

Analysis of current record

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

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	NEW	SAN JUAN PR	58.8	APP	BNPDVL	-20090825AVT
05	WFIG-LP	CHARLOTTE AMALIE VI	180.9	LIC	BLTTV	-19830516JH
05	W05AW	CHRISTIANSTED, ETC. VI	193.5	LIC	BLTTV	-19850322IB
06	NEW	SAN JUAN PR	58.8	APP	BNPDVL	-20090825AUS
06	NEW	SAN JUAN PR	86.9	APP	BNPDVL	-20090825BHO

Total scenarios =    1

Result key:              7  
Scenario              1   Affected station              6   NEW  
Before Analysis

Results for:    5A PR WRIO PONCE                      USERRECORD01                      APP  
                 HAAT    53.0 m, ATV ERP    0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	323522	1970.4
not affected by terrain losses	323522	1970.4
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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