

# Summary Study

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000  
Census data selected 2000  
Data Base Selected  
./data\_files/pt\_tvdb.sff  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 07-16-2011 Time: 20:08:02

## Record Selected for Analysis

WIRS-D USERRECORD-01 YAUCO PR US  
Channel 41 ERP 185. kW HAAT 840. m RCAMSL 01348 m FULL SERVICE MASK  
Latitude 018-10-10 Longitude 0066-34-36  
Status APP Zone 2 Border Site number: 01  
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

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

Azimuth (Deg)	ERP (kW)	HAAT (m)	51.0 dBu F(50,90) (km)
0.0	185.000	811.1	92.4
45.0	185.000	750.8	90.7
90.0	185.000	507.3	81.4
135.0	185.000	984.7	97.0
180.0	185.000	1151.3	101.1
225.0	185.000	945.8	96.0
270.0	185.000	615.9	86.5
315.0	185.000	951.3	96.2

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

Checks to Site Number 01

Proposed facility is 27.9km from FCC Monitoring station at  
Santa Isabel PR  
Bearing: 130.3 degrees ERP: 185.00 kW HAAT: 896.7 m  
Field = 52.3 mV/m

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
41	WIRS-D	YAUCO PR	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	WWKQ-LP	QUEBRADILLAS PR	50.7	LIC	BLTTL	-20041108ABN
26	WWKQ-LP	QUEBRADILLAS PR	50.7	CP	BPTTL	-20110617ABQ
26	W26DK-D	SAN JUAN PR	45.9	APP	BSTA	-20061127AGE
33	WQQZ-CA	PONCE PR	20.5	LIC	BLTTL	-19981208JA
33	WQQZ-CA	PONCE PR	20.9	CP	BPTTA	-20110609ABM
34	W51EH-D	PONCE PR	21.3	CP	BNPTTL	-20000807ADG
38	WWXY-LP	SAN JUAN PR	50.8	LIC	BLTTL	-20080716AAS
40	NEW	FAJARDO PR	96.1	APP	BNPDTL	-20090825BIT
40	W40DE-D	GUAYNABO PR	50.8	CP	BNPDTL	-20090825BYU
40	NEW	JUNCOS PR	77.4	APP	BNPDTL	-20090825BFV
40	W40DA-D	QUEBRADILLAS PR	48.7	CP	BNPDTL	-20090825BHM
42	W42DZ-D	ADJUNTAS PR	0.0	CP	BNPDTL	-20090825BKN
42	NEW	AGUADILLA PR	67.5	APP	BNPDTL	-20090825BHH
42	WIVE-LP	CEIBA PR	96.6	LIC	BLTTL	-20030128ABW
42	W42DY-D	GUAYNABO PR	53.8	CP	BNPDTL	-20090825BJP
42	WEON-LP	FREDERIKSTED VI	186.7	CP	BDISDTL	-20100916ABQ
42	WEON-LP	FREDERIKSTED VI	186.7	CP	BDISDTL	-20070103ADR
44	W44CK	BAYAMON, SAN JUAN PR	44.5	LIC	BLTTL	-20050713ADH
45	W36DP	YCAMUY PR	45.4	CP	BNPTTL	-20000830AJD

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Study of this proposal found the following interference problem(s):

The following station failed the de minimis interference criteria.

41D PR YAUCO USERRECORD01  
ERP 185.00 kW HAAT 840.0 m RCAMSL 1348.0 m  
Antenna usr USRPAT01

Due to interference to the following station and scenario: 1

40D PR FAJARDO BNPDTL 20090825BIT  
ERP 15.00 kW HAAT 309.0 m RCAMSL 311.0 m  
Antenna CDB 00000000017788

Percent new interference from proposal: 3.5338 to BNPDTL 20090825BIT

The following station failed the de minimis interference criteria.

41D PR YAUCO USERRECORD01  
ERP 185.00 kW HAAT 840.0 m RCAMSL 1348.0 m  
Antenna usr USRPAT01

Due to interference to the following station and scenario: 3

40D PR FAJARDO BNPDTL 20090825BIT  
ERP 15.00 kW HAAT 309.0 m RCAMSL 311.0 m  
Antenna CDB 00000000017788

Percent new interference from proposal: 3.5338 to BNPDTL 20090825BIT

Proposed station is MX

41A PR YAUCO	USERRECORD01	APP
40A PR FAJARDO	BNPDTL 20090825BIT	APP

Proposal MX with BNPDTL 20090825BIT scenario 1 of station 8

The following station failed the de minimis interference criteria.

41D PR YAUCO USERRECORD01  
ERP 185.00 kW HAAT 840.0 m RCAMSL 1348.0 m  
Antenna usr USRPAT01

Due to interference to the following station and scenario: 1  
40D PR GUAYNABO BNPDTL 20090825BYU  
ERP 0.01 kW HAAT 474.0 m RCAMSL 540.0 m  
Antenna CDB 00000000019753

Percent new interference from proposal: 13.3389 to BNPDTL 20090825BYU

The following station failed the de minimis interference criteria.  
41D PR YAUCO USERRECORD01  
ERP 185.00 kW HAAT 840.0 m RCAMSL 1348.0 m  
Antenna usr USRPAT01

Due to interference to the following station and scenario: 2  
40D PR GUAYNABO BNPDTL 20090825BYU  
ERP 0.01 kW HAAT 474.0 m RCAMSL 540.0 m  
Antenna CDB 00000000019753

Percent new interference from proposal: 13.8897 to BNPDTL 20090825BYU

The following station failed the de minimis interference criteria.  
41D PR YAUCO USERRECORD01  
ERP 185.00 kW HAAT 840.0 m RCAMSL 1348.0 m  
Antenna usr USRPAT01

Due to interference to the following station and scenario: 3  
40D PR GUAYNABO BNPDTL 20090825BYU  
ERP 0.01 kW HAAT 474.0 m RCAMSL 540.0 m  
Antenna CDB 00000000019753

Percent new interference from proposal: 13.3389 to BNPDTL 20090825BYU