

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/cdb/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-22-2012 Time: 16:12:31

Record Selected for Analysis

NEW BNPDTL -20101020AAV CAYEY PR US
 Channel 44 ERP 4. kW HAAT 304 m RCMSL 00563 m STRINGENT MASK
 Latitude 018-06-23 Longitude 0066-10-30
 Status APP Zone Border Site number: 01
 Dir Antenna Make CDB Model 00000000017793 Beam tilt Y Ref Azimuth 40.0
 Last update 00000000 Cutoff date 20101020 Docket
 Comments
 Applicant RAMON A HERNANDEZ

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	3.168	94.3	34.3
45.0	3.842	175.0	41.4
90.0	1.904	33.0	20.4
135.0	0.004	45.8	5.1
180.0	0.004	303.5	12.7
225.0	0.004	277.0	12.1
270.0	0.004	37.9	4.6
315.0	0.004	154.2	9.3

Database HAAT does not agree with computed HAAT

Database HAAT: 304 Computed HAAT: 140

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 OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
44	NEW	CAYEY PR	BNPDTL 20101020AAV

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
29	W29CB	ST. THOMAS VI	130.6	LIC	BLTTL	-19971105II
30	WSJP-LP	AQUADILLA PR	108.4	LIC	BLTTL	-20050411AAY
42	WIVE-LP	CEIBA PR	56.8	LIC	BLTTL	-20030128ABW
43	WIPR-TV	SAN JUAN PR	13.1	CP MOD	BMPEDT	-20080619AEX
43	WIPR-TV	SAN JUAN PR	13.1	CP MOD	BMPEDT	-20100203AAB +
43	WIPR-TV	SAN JUAN PR	13.1	LIC	BLEDT	-20090618ACM
43	WZVI	CHARLOTTE AMALIE VI	134.2	LIC	BLCDT	-20040517AFB
43	W43DA-D	FREDERIKSTED VI	150.7	CP	BNPDTL	-20090921ADE
44	WTJX-TV	CHARLOTTE AMALIE VI	132.5	LIC	BLEDT	-20111006ACU
45	WIDP	GUAYAMA PR	39.1	LIC	BLCDT	-20071113ACX
45	WTPM-LD	MAYAGUEZ-ANASCO PR	109.1	LIC	BLDTL	-20090819AEX
45	W45DQ-D	CHRISTIANSTED VI	150.7	CP	BNPDTL	-20090921ADD

+ Indicates station is part of a DTS

Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
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44 NEW CAYEY PR BNPDTL -20101020AAV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
43	WIPR-TV	SAN JUAN PR	13.1	CP MOD	BMPEDT	-20080619AEX
43	WIPR-TV	SAN JUAN PR	13.1	CP MOD	BMPEDT	-20100203AAB
43	WIPR-TV	SAN JUAN PR	13.1	LIC	BLEDT	-20090618ACM
43	WIPR-TV	SAN JUAN PR	57.3	CP MOD	BMPEDT	-20100203AAB
43	WIPR-TV	SAN JUAN PR	57.3	CP MOD	BMPEDT	-20100203AAB
44	WTJX-TV	CHARLOTTE AMALIE VI	132.5	LIC	BLEDT	-20111006ACU
45	WIDP	GUAYAMA PR	39.1	LIC	BLCDT	-20071113ACX

Total scenarios = 3

Result key: 1
 Scenario 1 Affected station 13
 Before Analysis

Results for: 44A PR CAYEY BNPDTL 20101020AAV APP

HAAT 304.0 m, ATV ERP 4.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1293734	1464.0
not affected by terrain losses	428131	900.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	60139	120.2
lost to ATV IX only	60139	120.2
lost to all IX	60139	120.2

Potential Interfering Stations Included in above Scenario 1

43A PR SAN JUAN	BMPEDT	20080619AEX	CP
44A VI CHARLOTTE AMALIE	BLEDT	20111006ACU	LIC
45A PR GUAYAMA	BLCDT	20071113ACX	LIC

Result key: 2
 Scenario 2 Affected station 13
 Before Analysis

Results for: 44A PR CAYEY BNPDTL 20101020AAV APP

HAAT 304.0 m, ATV ERP 4.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1293734	1464.0
not affected by terrain losses	428131	900.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	59454	118.2
lost to ATV IX only	59454	118.2
lost to all IX	59454	118.2

Potential Interfering Stations Included in above Scenario 2

43A PR SAN JUAN	BMPEDT	20100203AAB	CP
44A VI CHARLOTTE AMALIE	BLEDT	20111006ACU	LIC

45A PR GUAYAMA BLCDT 20071113ACX LIC

Result key: 3

Scenario 3 Affected station 13

Before Analysis

Results for: 44A PR CAYEY BNPDTL 20101020AAV APP

HAAT 304.0 m, ATV ERP 4.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1293734	1464.0
not affected by terrain losses	428131	900.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	60139	120.2
lost to ATV IX only	60139	120.2
lost to all IX	60139	120.2

Potential Interfering Stations Included in above Scenario 3

43A PR SAN JUAN BLEDT 20090618ACM LIC

44A VI CHARLOTTE AMALIE BLEDT 20111006ACU LIC

45A PR GUAYAMA BLCDT 20071113ACX LIC

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