

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: 10-21-2010 Time: 10:50:41

Record Selected for Analysis

NEW-LP USERRECORD-01 MAYAGUEZ PR US
Channel 44 ERP 11. kW HAAT 331. m RCAMSL 00380 m STRINGENT MASK
Latitude 018-18-42 Longitude 0067-11-24
Status APP Zone 1 Border Site number: 01
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 170.
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

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	0.110	357.8	30.4
45.0	0.040	281.0	22.8
90.0	0.110	218.3	25.3
135.0	4.506	301.5	49.0
180.0	10.138	380.0	57.3
225.0	1.347	380.0	46.1
270.0	0.028	376.2	23.6
315.0	0.018	350.4	20.8

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

SPACING VIOLATION FOUND BETWEEN STATION

NEW-LP 44 MAYAGUEZ PR USERRECORD01 Site # 01

and station

SHORT TO: WORA-TV 29 MAYAGUEZ PR BLCDT 20081118AFU
018-09- 3 0066-59-21
Req. separation => 24.1 <= 80.5 Actual separation 27.7 Short 52.8(3.6) km

SHORT TO: WQQZ-CA 30 PONCE PR BDISDTA 20090824AFJ
018-04-50 0066-44-47
Req. separation => 24.1 <= 80.5 Actual separation 53.4 Short 27.1(29.3) km

SHORT TO: WIMN-CA 36 ARECIBO PR BDISDTA 20091203AID

018-27-14 0066-38-15
Req. separation => 24.1 <= 80.5 Actual separation 60.5 Short 20.0(36.4) km

SHORT TO: NEW 36 MAYAGUEZ PR BNPDTL 20100309ABZ
018-09- 0 0066-59- 0
Req. separation => 24.1 <= 80.5 Actual separation 28.2 Short 52.3(4.1) km

SHORT TO: W36DU-D 36 MAYAGUEZ PR BNPDTL 20090825BSR
018-08-55 0066-58-54
Req. separation => 24.1 <= 80.5 Actual separation 28.5 Short 52.0(4.4) km

SHORT TO: W31DL-D 36 PONCE PR BDFCDTL 20081208ADY
018-00-34 0066-36-49
Req. separation => 24.1 <= 80.5 Actual separation 69.6 Short 10.9(45.5) km

SHORT TO: NEW 36 YAUCO PR BNPDTL 20101013ACQ
018-02-27 0066-50-33
Req. separation => 24.1 <= 80.5 Actual separation 47.4 Short 33.1(23.3) km

SHORT TO: W40DA-D 40 QUEBRADILLAS PR BNPDTL 20090825BHM
018-27-35 0066-55-19
Req. separation => 24.1 <= 80.5 Actual separation 32.7 Short 47.8(8.6) km

SHORT TO: WIRS 41 YAUCO PR BLCDT 20081006AAY
018-10-10 0066-34-36
Req. separation => 24.1 <= 80.5 Actual separation 66.7 Short 13.8(42.6) km

SHORT TO: W42DZ-D 42 ADJUNTAS PR BNPDTL 20090825BKN
018-10-10 0066-34-36
Req. separation => 24.1 <= 80.5 Actual separation 66.7 Short 13.8(42.6) km

SHORT TO: W44CK 44 BAYAMON, SAN JUAN PR BLTTL 20050713ADH
018-17-31 0066-10-30
Req. separation 217.3 Actual separation 107.3 Short 110.0 km

SHORT TO: NEW 44 CAGUAS PR BNPDTL 20100112ADV
018-15-27 0066-01-26
Req. separation 217.3 Actual separation 123.4 Short 93.9 km

SHORT TO: W44CS-D 44 GUAYAMA PR BLDTL 20100216AAB
018-02- 0 0066-07- 9
Req. separation 217.3 Actual separation 117.4 Short 99.9 km

SHORT TO: W44DA-D 44 PONCE PR BNPDTL 20090828ADY
018-00-34 0066-36-49
Req. separation 217.3 Actual separation 69.6 Short 147.7 km

SHORT TO: W44CV-D 44 UTUADO PR BNPDTL 20090825BIG
018-17-29 0066-39-39
Req. separation 217.3 Actual separation 56.0 Short 161.3 km

SHORT TO: W45DI-D 45 JUANA DIAZ PR BNPDTL 20090825BBA
018-09-15 0066-33-15
Req. separation => 12.0 <= 106.0 Actual separation 69.5 Short 36.5(57.5) km

SHORT TO: W36DP 45 YCAMUY PR BNPTTL 20000830AJD
018-27-53 0066-52-26
Req. separation => 12.0 <= 106.0 Actual separation 37.5 Short 68.5(25.5) km

SHORT TO: WCCV-TV 46 ARECIBO PR BLCDT 20090612AFO

018-14- 6 0066-45-36
Req. separation => 24.1 <= 80.5 Actual separation 46.3 Short 34.2(22.2) km

SHORT TO: NEW 46 PONCE PR BNPDTL 20090828ADR
018-00-34 0066-36-49
Req. separation => 24.1 <= 80.5 Actual separation 69.6 Short 10.9(45.5) km

SHORT TO: W47DU-D 47 CIALES PR BNPDTL 20090825BIB
018-15-34 0066-32-15
Req. separation => 24.1 <= 80.5 Actual separation 69.2 Short 11.3(45.1) km

SHORT TO: WVOZ-TV 47 PONCE PR BLCDT 20071116ACW
018-04-50 0066-44-50
Req. separation => 24.1 <= 80.5 Actual separation 53.4 Short 27.1(29.3) km

SHORT TO: W51EH-D 51 PONCE PR BDISTTL 20070607AAY
018-00-34 0066-36-49
Req. separation => 24.1 <= 80.5 Actual separation 69.6 Short 10.9(45.5) km

SHORT TO: W51EH-D 51 PONCE PR BDFCDTL 20081229AAV
018-00-34 0066-36-48
Req. separation => 24.1 <= 80.5 Actual separation 69.6 Short 10.9(45.5) 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

Start of Interference Analysis

Channel	Proposed Station Call City/State	ARN
44	NEW-LP MAYAGUEZ PR	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	WSJP-LP	AQUADILLA PR	11.3	LIC	BLTTL	-20050411AAY
36	W36DP	YCAMUY PR	1.3	CP	BDISTTL	-20070629AJN
43	WIPR-TV	SAN JUAN PR	122.3	CP MOD	BMPEDT	-20080619AEX
43	WIPR-TV	SAN JUAN PR	122.3	CP MOD	BMPEDT	-20100203AAB +
43	WIPR-TV	SAN JUAN PR	122.3	LIC	BLEDT	-20090618ACM
44	W44CK	BAYAMON, SAN JUAN PR	107.1	LIC	BLTTL	-20050713ADH
44	NEW	CAGUAS PR	123.2	APP	BNPDTL	-20100112ADV
44	W44CS-D	GUAYAMA PR	117.2	LIC	BLDTL	-20100216AAB
44	W44DA-D	PONCE PR	69.5	CP	BNPDTL	-20090828ADY
44	W44CV-D	UTUADO PR	55.9	CP	BNPDTL	-20090825BIG
44	WTJX-TV	CHARLOTTE AMALIE VI	236.6	CP	BPEDT	-20091013AFO
44	WTJX-TV	CHARLOTTE AMALIE VI	236.7	LIC	BLEDT	-20040823ABI

45	WIDP	GUAYAMA PR	141.2	LIC	BLCDT	-20071113ACX
45	W45DI-D	JUANA DIAZ PR	69.4	CP	BNPDTL	-20090825BBA
45	WTPM-LD	MAYAGUEZ-ANASCO PR	0.6	LIC	BLDTL	-20090819AEX
45	W36DP	YCAMUY PR	37.4	CP	BNPTTL	-20000830AJD
46	W34CI	MAYAGUEZ PR	0.3	CP	BDISTT	-20070828AAO
51	W51EH-D	PONCE PR	69.5	CP	BDISTTL	-20070607AAY
52	W10CZ-D	SAN JUAN PR	117.7	CP	BNPTTL	-20000807ABY

+ Indicates station is part of a DTS

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

NONE.