

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: 01-13-2011 Time: 14:19:15

Record Selected for Analysis

133097 USERRECORD-01 UNKNOWN US
Channel 40 ERP 0.009 kW HAAT 320. m RCAMSL 00540 m STRINGENT MASK
Latitude 018-16-49 Longitude 0066-06-35
Status APP Zone 1 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

Site number	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	0.009	474.3	20.5
45.0	0.002	436.2	13.2
90.0	0.000	420.7	1.8
135.0	0.000	390.0	1.7
180.0	0.000	133.0	3.4
225.0	0.000	102.8	3.0
270.0	0.000	161.4	2.0
315.0	0.002	444.8	13.4

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

SPACING VIOLATION FOUND BETWEEN STATION

133097 40 UNKNOWN USERRECORD01 Site # 01

and station

SHORT TO: NEW 25 CAMUY PR BNPDTL 20090825BHQ
018-14- 6 0066-45-36
Req. separation => 24.1 <= 80.5 Actual separation 69.0 Short 11.5(44.9) km

SHORT TO: WQTO 25 PONCE PR BMPEDT 20100202ABJ
018-04-48 0066-44-56
Req. separation => 24.1 <= 80.5 Actual separation 71.2 Short 9.3(47.1) km

SHORT TO: WQTO 25 PONCE PR BLEDT 20060615ACV

018-04-48 0066-44-56
Req. separation => 24.1 <= 80.5 Actual separation 71.2 Short 9.3(47.1) km

SHORT TO: W25EE-D 25 RIO GRANDE PR BNPDTL 20090825BAI
018-20-53 0065-46-6
Req. separation => 24.1 <= 80.5 Actual separation 36.9 Short 43.6(12.8) km

SHORT TO: W26DU-D 26 PONCE PR BNPDTL 20090825BWA
018-09-15 0066-33-15
Req. separation => 24.1 <= 80.5 Actual separation 49.0 Short 31.5(24.9) km

SHORT TO: W32DV-D 32 ARROYO PR BNPDTL 20090825BLR
017-59-35 0066-06-25
Req. separation => 24.1 <= 80.5 Actual separation 31.8 Short 48.7(7.7) km

SHORT TO: W32DY-D 32 HATILLO PR BNPDTL 20090825BAP
018-27-21 0066-45-16
Req. separation => 24.1 <= 80.5 Actual separation 70.9 Short 9.6(46.8) km

SHORT TO: W32AJ 32 UTUADO PR BLTT 19890703IC
018-17-3 0066-43-34
Req. separation => 24.1 <= 80.5 Actual separation 65.2 Short 15.3(41.1) km

SHORT TO: WRUA 33 FAJARDO PR BLCDT 20090610ABH
018-18-36 0065-47-41
Req. separation => 24.1 <= 80.5 Actual separation 33.5 Short 47.0(9.4) km

SHORT TO: WQQZ-CA 33 PONCE PR BLTTL 19981208JA
018-04-50 0066-44-47
Req. separation => 24.1 <= 80.5 Actual separation 70.9 Short 9.6(46.8) km

SHORT TO: WIMN-CA 36 ARECIBO PR BDISDTA 20091203AID
018-27-14 0066-38-15
Req. separation => 24.1 <= 80.5 Actual separation 59.0 Short 21.5(34.9) km

SHORT TO: W31DL-D 36 PONCE PR BDFCDTL 20081208ADY
018-00-34 0066-36-49
Req. separation => 24.1 <= 80.5 Actual separation 61.2 Short 19.3(37.1) km

SHORT TO: NEW 38 PONCE PR BNPDTL 20090825BSS
017-59-27 0066-37-45
Req. separation => 24.1 <= 80.5 Actual separation 63.6 Short 16.9(39.5) km

SHORT TO: W38EN-D 38 SAN JUAN PR BNPDTL 20090825BSL
018-16-44 0065-51-12
Req. separation => 24.1 <= 80.5 Actual separation 27.1 Short 53.4(3.0) km

SHORT TO: W38EQ-D 38 VIEQUES PR BNPDTL 20090825BGT
018-07-50 0065-26-28
Req. separation => 24.1 <= 80.5 Actual separation 72.6 Short 7.9(48.5) km

SHORT TO: W39DE-D 39 CAYEY PR BNPDTL 20100105AAM
018-06-21 0066-09-20
Req. separation => 12.0 <= 106.0 Actual separation 19.9 Short 86.1(7.9) km

SHORT TO: W39DJ-D 39 NAGUABO PR BNPDTL 20090921ADK
018-17-1 0065-40-29
Req. separation => 12.0 <= 106.0 Actual separation 46.0 Short 60.0(34.0) km

SHORT TO: WJWN-TV 39 SAN SEBASTIAN PR BLCDT 20081014AAQ

018-09- 0 0066-59- 0
Req. separation => 24.0 <= 110.0 Actual separation 93.5 Short 16.5(69.5) km

SHORT TO: NEW 40 FAJARDO PR BNPDTL 20090825BIT
018-17- 1 0065-40-29
Req. separation 217.3 Actual separation 46.0 Short 171.3 km

SHORT TO: NEW 40 JUNCOS PR BNPDTL 20090825BFV
018-16-41 0065-51-10
Req. separation 217.3 Actual separation 27.2 Short 190.1 km

SHORT TO: W40DA-D 40 QUEBRADILLAS PR BNPDTL 20090825BHM
018-27-35 0066-55-19
Req. separation 217.3 Actual separation 88.1 Short 129.2 km

SHORT TO: WIRS 41 YAUCO PR BLCDT 20081006AAY
018-10-10 0066-34-36
Req. separation => 24.0 <= 110.0 Actual separation 50.9 Short 59.1(26.9) km

SHORT TO: W42DZ-D 42 ADJUNTAS PR BNPDTL 20090825BKN
018-10-10 0066-34-36
Req. separation => 24.1 <= 80.5 Actual separation 50.9 Short 29.6(26.8) km

SHORT TO: WIVE-LP 42 CEIBA PR BLTTL 20030128ABW
018-16-52 0065-40- 9
Req. separation => 24.1 <= 80.5 Actual separation 46.6 Short 33.9(22.5) km

SHORT TO: WIPR-TV 43 SAN JUAN PR BMPEDT 20100203AAB
018-19-54 0065-41-11
Req. separation => 24.1 <= 80.5 Actual separation 45.1 Short 35.4(21.0) km

SHORT TO: WIPR-TV 43 SAN JUAN PR BMPEDT 20100203AAB
018-19-54 0065-41-11
Req. separation => 24.1 <= 80.5 Actual separation 45.1 Short 35.4(21.0) km

SHORT TO: W47DX-D 47 CANOVANAS PR BNPDTL 20090825ARU
018-18-36 0065-47-41
Req. separation => 24.1 <= 80.5 Actual separation 33.5 Short 47.0(9.4) km

SHORT TO: W47DU-D 47 CIALES PR BNPDTL 20090825BIB
018-15-34 0066-32-15
Req. separation => 24.1 <= 80.5 Actual separation 45.3 Short 35.2(21.2) km

SHORT TO: WVOZ-TV 47 PONCE PR BLCDT 20071116ACW
018-04-50 0066-44-50
Req. separation => 24.1 <= 80.5 Actual separation 71.0 Short 9.5(46.9) km

SHORT TO: W48DT-D 48 GUAYANILLA PR BNPDTL 20090825BLW
018-04-48 0066-44-56
Req. separation => 24.1 <= 80.5 Actual separation 71.2 Short 9.3(47.1) 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
40	133097	UNKNOWN	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	W26DO-D	MAYAGUEZ PR	113.1	CP	BNPTTL	-20000830BOK
26	WWKQ-LP	QUEBRADILLAS PR	89.0	LIC	BLTTL	-20041108ABN
26	W26DK-D	SAN JUAN PR	12.2	APP	BSTA	-20061127AGE
32	W32AJ	UTUADO PR	65.1	LIC	BLTT	-19890703IC
33	WQQZ-CA	PONCE PR	70.8	LIC	BLTTL	-19981208JA
36	W36DP	YCAMUY PR	113.0	CP	BDISTTL	-20070629AJN
38	WWXY-LP	SAN JUAN PR	0.0	LIC	BLTTL	-20080716AAS
38	WBIV-LP	CHARLOTTE AMALIE VI	120.4	LIC	BLTTL	-19990709JF
39	W39DE-D	CAYEY PR	20.0	CP	BNPDTL	-20100105AAM
39	W39DJ-D	NAGUABO PR	45.9	CP	BNPDTL	-20090921ADK
39	WJWN-TV	SAN SEBASTIAN PR	93.4	LIC	BLCDT	-20081014AAQ
39	NEW	CHRISTIANSTED VI	150.3	APP	BMJADTL	-20100505ACF
40	NEW	FAJARDO PR	45.9	APP	BNPDTL	-20090825BIT
40	NEW	JUNCOS PR	27.1	APP	BNPDTL	-20090825BFV
40	W40DA-D	QUEBRADILLAS PR	88.0	CP	BNPDTL	-20090825BHM
41	WIRS	YAUCO PR	50.8	LIC	BLCDT	-20081006AAY
42	WIVE-LP	CEIBA PR	46.5	LIC	BLTTL	-20030128ABW
44	W44CK	BAYAMON, SAN JUAN PR	7.0	LIC	BLTTL	-20050713ADH

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

Proposed station below MX due to received interference
40A UNKNOWN USERRECORD01 APP

Proposal MX with group in scenario 2 of station 19