

# KESSLER AND GEHMAN ASSOCIATES, INC.

507 NW 60<sup>th</sup> St. Ste C, Gainesville, FL 32607

OET69 Allocation Study

WNPB-TV  
Morgantown, WV

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: 06-07-2012 Time: 11:45:05

Record Selected for Analysis

WIRS-PRO USERRECORD-01 YAUCO PR US  
Channel 41 ERP 1000. kW HAAT 841. m RCAMSL 01347 m  
Latitude 018-10-10 Longitude 0066-34-38  
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 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) does not meet maximum height/power limits  
Channel 41 ERP = 1000.00 HAAT = 841.

Site number	1			
Azimuth	ERP	HAAT	41.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	341.645	811.5	119.7	
45.0	792.896	749.6	125.7	
90.0	652.864	505.6	110.8	
135.0	57.979	987.2	108.0	
180.0	52.380	1154.7	111.3	
225.0	58.370	945.9	107.0	
270.0	652.864	617.0	117.3	
315.0	769.095	954.6	133.0	

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap  
to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WIRS-PRO 41 YAUCO PR USERRECORD01 Site # 01

and station

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SHORT TO: WIRS 41 YAUCO PR DTVPLN DTVP1482  
18 -10-10 66 -34-36  
Req. separation 223.7 Actual separation 0.1 Short 223.6 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 01

Checks to Site Number 01

Proposed facility is 27.9km from FCC Monitoring station at  
Santa Isabel PR  
Bearing: 130.2 degrees ERP: 72.88 kW HAAT: 895.6 m  
Field = 32.7 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-PRO	YAUCO PR	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
33	WQQZ-CA	PONCE PR	20.9	LIC	BLTTA 20110713ABR

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WQQZ-CA	PONCE PR	BLTTA -20110713ABR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
25	WQTO	PONCE PR	0.2	LIC	BLEDT -20111114BKF
25	WQTO	PONCE PR	0.2	CP	BPEDT -20111116AYA
25	WQTO	PONCE PR	52.5	CP	BPEDT -20111116AYA
29	WORA-TV	MAYAGUEZ PR	72.6	APP	BPCDT -20120515AFP
29	WORA-TV	MAYAGUEZ PR	26.4	LIC	BLCDT -20081118AFU
29	WORA-TV	MAYAGUEZ PR	26.4	APP	BPCDT -20120515AFP
30	WDWL	BAYAMON PR	71.3	LIC	BLCDT -20091124ADX

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31	WSJU-TV	SAN JUAN PR	72.8	LIC	BLCDT	-20090217AEH
32	W32DY-D	HATILLO PR	41.8	CP	BNPDTL	-20090825BAP
32	W32DZ-D	MAYAGUEZ PR	52.5	CP MOD	BMPDTL	-20120402AAO
32	WTCV	SAN JUAN PR	72.8	LIC	BLCDT	-20040722ADD
32	W32AJ	UTUADO PR	22.9	LIC	BLTT	-19890703IC
33	W33CY-D	ANASCO PR	52.5	CP MOD	BMPDTL	-20120224AAX
33	WRUA	FAJARDO PR	104.2	LIC	BLCDT	-20090610ABH
34	WELU	AGUADILLA PR	26.5	LIC	BLEDT	-20080514AFW
35	WIPM-TV	MAYAGUEZ PR	25.8	LIC	BLEDT	-20060627ACQ
35	WIPM-TV	MAYAGUEZ PR	25.8	CP	BPEDT	-20080619AEV
41	WIRS	YAUCO PR	20.9	PLN	DTVPLN	-DTVPL1482
47	WVOZ-TV	PONCE PR	0.4	LIC	BLCDT	-20071116ACW
48	WUJA	CAGUAS PR	71.3	LIC	BLEDT	-20090612ADS
41	WIRS-PRO	YAUCO PR	20.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
41	WIRS-PRO	YAUCO PR	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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Total scenarios = 1

Result key: 1

Scenario 1 Affected station 2

Before Analysis

Results for: 41A PR YAUCO USERRECORD01 APP

HAAT 841.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3797636	42818.0
not affected by terrain losses	3571695	41929.5
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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