

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/cdbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 05-05-2014 Time: 12:46:56

Record Selected for Analysis

WQHA50_P USERRECORD-01 XXXX XX US
Channel 50 ERP 44. kW HAAT 328. m RCAMSL 00376 m
Latitude 018-18-49 Longitude 0067-11-26
Status APP Zone 2 Border Site number: 01
Dir Antenna Make CDB Model 00000000085438 Beam tilt N Ref Azimuth 90.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 0.50 km

Facility (site # 01) meets maximum height/power limits

Site number	1			
Azimuth	ERP	HAAT	41.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	28.160	356.5	75.607	
45.0	43.124	278.6	71.924	
90.0	35.640	209.9	66.158	
135.0	43.124	300.9	73.605	
180.0	25.414	375.9	76.475	
225.0	4.228	376.0	65.133	
270.0	2.974	373.3	62.936	
315.0	5.390	349.7	65.057	

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

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
50	WQHA50_P	XXXX XX	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	WVSN	HUMACAO PR	141.2	LIC	BLCDT	20080515ACR
51	WRFB	CAROLINA PR	141.2	LIC	BLCDT	20071116AFB

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	WVSN	HUMACAO PR	BLCDT	-20080515ACR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	WUJA	CAGUAS PR	27.1	LIC	BLEDT	-20090612ADS
50	WQHA50_P	XXXX XX	141.2	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.
51	WRFB	CAROLINA PR	BLCDT	-20071116AFB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
50	WQHA50_P	XXXX XX	141.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	WQHA50_P	XXXX XX	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	WVSN	HUMACAO PR	141.2	LIC	BLCDT -20080515ACR
51	WRFB	CAROLINA PR	141.2	LIC	BLCDT -20071116AFB

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for: 50A XX XXXX USERRECORD01 APP

HAAT 328.0 m, ATV ERP 44.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1092594	14601.3
not affected by terrain losses	870383	13694.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1027	4.9
lost to ATV IX only	1027	4.9
lost to all IX	1027	4.9

Potential Interfering Stations Included in above Scenario 1

49A PR HUMACAO	BLCDT	20080515ACR	LIC
51A PR CAROLINA	BLCDT	20071116AFB	LIC

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