

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

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

WARNING WARNING WARNING

The following list of station records has been excluded from the analysis due to the fact that they have the same state, city and channel as the proposed station - This could cause the program to not find a potential fail situation

You can force the program to include these records by setting the state of the proposed record to ZZ and re-running the analysis

DWHTX-LP 10 HARTFORD	CT BLTVL	19950228IL
DWHTX-LP 10 HARTFORD	CT BMPTVL	19940412CF

Date: 11-04-2014 Time: 11:05:17

Record Selected for Analysis

WHTX-LP USERRECORD-01 HARTFORD CT US  
Channel 10 ERP 0.03 kW HAAT 71. m RCAMSL 00099 m  
Latitude 041-45-51 Longitude 0072-40-32  
Status APP Zone 1 Border Offset Z  
Dir Antenna Make CDB Model 00000000022234 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 = TX  
Maximum height/power limits not checked

Site number 1			
Azimuth	ERP	HAAT	68.0 dBu F(50,50)
(Deg)	(kW)	(m)	(km)
0.0	0.000	67.7	0.900
45.0	0.000	70.5	0.900

90.0	0.001	43.7	1.589
135.0	0.000	50.1	0.900
180.0	0.001	56.9	1.706
225.0	0.005	52.1	2.712
270.0	0.027	33.0	3.199
315.0	0.007	38.0	2.469

#### Contour Overlap Evaluation from LPTV Station to Full Service TV & DTV

Station inside contour of station

WEDN 9 NORWICH CT BLEDT 20090618ACB

Station inside contour of station

WTNH 10 NEW HAVEN CT BLCDT 20040701AEC

Station inside contour of station

WWLP 11 SPRINGFIELD MA BLCDT 20090612AJV

#### Contour Overlap Evaluation from LPTV to Full Service TV & DTV Complete

#### Contour Overlap Evaluation from LPTV Station to LPTV Stations

No Spacing violations or contour overlap from LPTV station

#### Contour Overlap Evaluation from LPTV to LPTV Stations Complete

#### 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 within the Canadian coordination distance

Distance to border = 361.7km

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	Call	City/State	ARN
10	WHTX-LP	HARTFORD CT	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	WEDN	NORWICH CT	50.1	LIC	BLEDT -20090618ACB
10	WTNH	NEW HAVEN CT	44.3	LIC	BLCDDT -20040701AEC
11	WWLP	SPRINGFIELD MA	35.7	LIC	BLCDDT -20090612AJV

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## Analysis of Interference to Affected Station 4

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
10	WHTX-LP	HARTFORD CT	USERRECORD-01

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
09	WEDN	NORWICH CT	50.1	LIC	BLEDT -20090618ACB
10	WTNH	NEW HAVEN CT	44.3	LIC	BLCDDT -20040701AEC
10	WWDP	NORWELL MA	137.7	LIC	BLCDDT -20090227ABX
10	WCBB	AUGUSTA ME	342.8	LIC	BLEDT -20090227AAF
10	WHTM-TV	HARRISBURG PA	392.8	LIC	BLCDDT -20040812AAH
11	WWLP	SPRINGFIELD MA	35.7	LIC	BLCDDT -20090612AJV

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 4  
Before Analysis

Results for: 10N CT HARTFORD	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	54397	13.7
not affected by terrain losses	49050	10.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	48349	9.8
lost to all IX	48349	9.8

Potential Interfering Stations Included in above Scenario 1

10A CT NEW HAVEN	BLCDDT	20040701AEC	LIC
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Proposed station is MX		
10N CT HARTFORD	USERRECORD01	APP
10N CT HARTFORD	USERRECORD01	APP

Proposal MX with USERRECORD01 scenario 1 of station 4

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