

WVII-DT Post-Transition Interference Analysis

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
Census data selected 2000

Post Transition Data Base Selected
/export/home/cdbb/tvdb.sff_G
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Record Selected for Analysis

WVIIDT USERRECORD-01 BANGOR ME US
Channel 07 ERP 11. kW HAAT 268. m RCAMSL 00363 m
Latitude 044-45-45 Longitude 0068-33-58
Status APP Zone 1 Border
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 meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	11.000	315.4	94.2
45.0	11.000	215.4	88.4
90.0	11.000	257.0	91.3
135.0	11.000	274.7	92.0
180.0	11.000	204.2	87.5
225.0	11.000	260.8	91.4
270.0	11.000	310.0	93.8
315.0	11.000	305.1	93.4

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

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Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 103.0km

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
07	WVIIDT	BANGOR ME	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WHDHTV	BOSTON MA	346.2	LIC	BMLCT	-940831KE
08	WMTW-TV	POLAND SPRING ME	202.2	CP	BPCDT	-19991101AGK
08	WAGM-TV	PRESQUE ISLE ME	207.3	LIC	BLCDT	-20030807AEX

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	WHDHTV	BOSTON MA	BMLCT	-940831KE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WXXA-TV	ALBANY NY	231.7	CP	BPRM	-20000718AAA
07	WBNG-TV	BINGHAMTON NY	390.9	CP	BPCDT	-19991029AFF
07	WWNY-TV	CARTHAGE NY	409.0	CP	BPCDT	-19991028ADN
07	WABC-TV	NEW YORK NY	292.9	CP	BDTV	-00000019
08	WMTW-TV	POLAND SPRING ME	174.5	CP	BPCDT	-19991101AGK
07	WVIIDT	BANGOR ME	346.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 1
Before Analysis

Results for:	7A MA BOSTON	BMLCT	940831KE	LIC
HAAT	306.0 m, ATV ERP	15.4 kW		
	POPULATION	AREA (sq km)		
within Noise Limited Contour	7145292	28865.6		
not affected by terrain losses	7045447	27333.4		
lost to NTSC IX	0	0.0		

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lost to additional IX by ATV	9534	141.1
lost to ATV IX only	9534	141.1
lost to all IX	9534	141.1

Potential Interfering Stations Included in above Scenario 1

7A NY ALBANY	BPRM	20000718AAA	CP
7A NY NEW YORK	BDTV	00000019	CP

After Analysis

Results for: 7A MA BOSTON BMLCT 940831KE LIC
HAAT 306.0 m, ATV ERP 15.4 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7145292	28865.6
not affected by terrain losses	7045447	27333.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	9534	145.2
lost to ATV IX only	9534	145.2
lost to all IX	9534	145.2

Potential Interfering Stations Included in above Scenario 1

7A NY ALBANY	BPRM	20000718AAA	CP
7A NY NEW YORK	BDTV	00000019	CP
7A ME BANGOR	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	WMTW-TV	POLAND SPRING ME	BPCDT	-19991101AGK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	WHDHTV	BOSTON MA	174.5	LIC	BMLCT	-940831KE
08	WAGM-TV	PRESQUE ISLE ME	379.3	LIC	BLCDT	-20030807AEX
09	WMEB-TV	ORONO ME	164.3	LIC	BLEDT	-20020508AAS
09	WMUR-TV	MANCHESTER NH	116.8	LIC	BLCDT	-19990927ABC
09	WVER	RUTLAND VT	189.4	CP	BPEDT	-20000501AFX
07	WVIIDT	BANGOR ME	202.2	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

WVII-DT Post-Transition Interference Analysis

Analysis of current record

Channel	Call	City/State	Application Ref. No.
08	WAGM-TV	PRESQUE ISLE ME	BLCDT -20030807AEX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
08	WMTW-TV	POLAND SPRING ME	379.3	CP	BPCDT -19991101AGK
09	WMEB-TV	ORONO ME	227.9	LIC	BLEDT -20020508AAS
07	WVIIDT	BANGOR ME	207.3	APP	USERRECORD-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	WVIIDT	BANGOR ME	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	WHDHTV	BOSTON MA	346.2	LIC	BMLCT -940831KE
08	WMTW-TV	POLAND SPRING ME	202.2	CP	BPCDT -19991101AGK
08	WAGM-TV	PRESQUE ISLE ME	207.3	LIC	BLCDT -20030807AEX

Total scenarios = 1

Result key: 2
Scenario 1 Affected station 4
Before Analysis

Results for: 7A ME BANGOR USERRECORD01 APP
HAAT 268.0 m, ATV ERP 11.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	353495	26302.4
not affected by terrain losses	330241	24509.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	547	32.0
lost to ATV IX only	547	32.0
lost to all IX	547	32.0

Potential Interfering Stations Included in above Scenario 1

7A MA BOSTON	BMLCT	940831KE	LIC
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