

**FIGURE 2 (9 Pages)**

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  
/space/software/cdbb/pt\_tvdb.sff  
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 11-18-2010 Time: 12:21:47

Record Selected for Analysis

WGBI-LP USERRECORD-01 FARMINGTON2 ME US  
Channel 21 ERP 2.28 kW HAAT 158. m RCAMSL 00381 m SIMPLE MASK  
Latitude 044-39-24 Longitude 0070-11-52  
Status APP Zone 2 Border Site number: 01  
Dir Antenna Make CDB Model 00000000020067 Beam tilt N Ref Azimuth 68.  
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	0.032	186.6	17.7	
45.0	1.567	161.8	35.9	
90.0	1.622	253.6	41.2	
135.0	0.039	247.9	21.5	
180.0	0.000	198.4	4.9	
225.0	0.000	151.0	4.4	
270.0	0.000	33.0	2.2	
315.0	0.000	33.0	2.2	

NO LANDMOBILE SPACING VIOLATIONS FOUND

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 = 83.9km

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
21	WGBI-LP	FARMINGTON2 ME	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	W14DA	HARPSWELL ME	97.4	LIC	BLTTL	-20090319ACP
21	WSHM-LP	SPRINGFIELD MA	333.8	CP	BDISDTL	-20091022ABX
21	W21CP-D	GLOVERSVILLE NY	379.3	LIC	BLDTT	-20090601AQC
21	WSBE-TV	PROVIDENCE RI	322.6	LIC	BLEDT	-20050307ACR
21	W21CQ	BENNINGTON VT	322.8	LIC	BLTTL	-20061201AAG
21	W21CN	WINDSOR VT	225.1	APP	BDFCDTL	-20090813ADB
21	W21CN	WINDSOR VT	225.1	LIC	BLTTL	-20061108AAS
22	WFVX-LP	BANGOR ME	129.4	CP	BDFCDTL	-20080403ADD
22	WFVX-LP	BANGOR ME	129.4	LIC	BLTTL	-20031107AEC
29	W29CA	BRUNSWICK ME	75.8	LIC	BLTTL	-20010209AAE
29	WMUR-LP	LITTLETON NH	131.5	LIC	BLTTL	-20000601AEG

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## Analysis of Interference to Affected Station 1

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	W14DA	HARPSWELL ME	BLTTL	-20090319ACP

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WPTZ	NORTH POLE NY	243.3	LIC	BLCDDT	-20070116ACW
29	W29CA	BRUNSWICK ME	21.7	LIC	BLTTL	-20010209AAE
21	WGBI-LP	FARMINGTON2 ME	97.4	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 2

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	WSHM-LP	SPRINGFIELD MA	BDISDTL	-20091022ABX

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	WCCT-TV	WATERBURY CT	57.9	LIC	BLCDDT	-20090911ABK
20	WCCT-TV	WATERBURY CT	57.9	APP	BMPCDDT	-20080620AHG

20	WCVB-TV	BOSTON MA	98.9	LIC	BLCDT	-20020102AAH
21	WLIW	GARDEN CITY NY	171.5	LIC	BLEDT	-20090612AEP
21	WLIW	GARDEN CITY NY	171.5	APP	BMPEDT	-20080620AID
21	WSSN-LP	HUDSON ET AL NY	121.6	LIC	BLTTL	-20050915AAI
21	WWTI	WATERTOWN NY	332.6	LIC	BLCDT	-20040128AFQ
21	WSBE-TV	PROVIDENCE RI	97.0	LIC	BLEDT	-20050307ACR
21	W21CQ	BENNINGTON VT	135.4	LIC	BLTTL	-20061201AAG
21	W21CN	WINDSOR VT	147.2	APP	BDFCDTL	-20090813ADB
21	W21CN	WINDSOR VT	147.2	LIC	BLTTL	-20061108AAS
22	WLWC	NEW BEDFORD MA	128.3	LIC	BLCDT	-20050802ACS
22	WLWC	NEW BEDFORD MA	128.3	CP	BPCDT	-20080620AEQ
22	WGBY-TV	SPRINGFIELD MA	23.8	LIC	BLEDT	-20090612ACH
21	WGBI-LP	FARMINGTON2 ME	333.8	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.
21	W21CP-D	GLOVERSVILLE NY	BLDTT	-20090601AQC

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WSHM-LP	SPRINGFIELD MA	190.1	CP	BDISDTL	-20091022ABX
21	WLIW	GARDEN CITY NY	261.6	LIC	BLEDT	-20090612AEP
21	WLIW	GARDEN CITY NY	261.6	APP	BMPEDT	-20080620AID
21	WSSN-LP	HUDSON ET AL NY	108.1	LIC	BLTTL	-20050915AAI
21	WWTI	WATERTOWN NY	143.5	LIC	BLCDT	-20040128AFQ
21	WHP-TV	HARRISBURG PA	364.6	CP	BPCDT	-20100325ABG
21	WHP-TV	HARRISBURG PA	364.6	LIC	BLCDT	-20090615ADL
21	WSBE-TV	PROVIDENCE RI	284.4	LIC	BLEDT	-20050307ACR
21	W21CQ	BENNINGTON VT	68.5	LIC	BLTTL	-20061201AAG
21	W21CN	WINDSOR VT	161.2	APP	BDFCDTL	-20090813ADB
21	W21CN	WINDSOR VT	161.2	LIC	BLTTL	-20061108AAS
22	W22DO-D	UTICA NY	66.8	CP	BDCCDTT	-20061025ACS
21	WGBI-LP	FARMINGTON2 ME	379.3	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.
21	WSBE-TV	PROVIDENCE RI	BLEDT	-20050307ACR

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	WCCT-TV	WATERBURY CT	129.3	LIC	BLCDDT	-20090911ABK
20	WCCT-TV	WATERBURY CT	129.3	APP	BMPCDDT	-20080620AHG
20	WCVB-TV	BOSTON MA	49.7	LIC	BLCDDT	-20020102AAH
21	WLIW	GARDEN CITY NY	216.7	LIC	BLEDTT	-20090612AEP
21	WLIW	GARDEN CITY NY	216.7	APP	BMPEDTT	-20080620AID
21	WWTI	WATERTOWN NY	424.8	LIC	BLCDDT	-20040128AFQ
22	WLWC	NEW BEDFORD MA	31.3	LIC	BLCDDT	-20050802ACS
22	WLWC	NEW BEDFORD MA	31.3	CP	BPCDDT	-20080620AEQ
22	WGBY-TV	SPRINGFIELD MA	119.9	LIC	BLEDTT	-20090612ACH
21	WGBI-LP	FARMINGTON2 ME	322.6	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 5

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	W21CQ	BENNINGTON VT	BLTTTL	-20061201AAG

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WSHM-LP	SPRINGFIELD MA	135.4	CP	BDISDTL	-20091022ABX
21	WLIW	GARDEN CITY NY	248.1	LIC	BLEDTT	-20090612AEP
21	WLIW	GARDEN CITY NY	248.1	APP	BMPEDTT	-20080620AID
21	W21CP-D	GLOVERSVILLE NY	68.5	LIC	BLDTT	-20090601AQC
21	WSSN-LP	HUDSON ET AL NY	102.7	LIC	BLTTTL	-20050915AAI
21	WWTI	WATERTOWN NY	201.2	LIC	BLCDDT	-20040128AFQ
21	WSBE-TV	PROVIDENCE RI	224.0	LIC	BLEDTT	-20050307ACR
21	W21CN	WINDSOR VT	98.6	APP	BDFCDTL	-20090813ADB
21	W21CN	WINDSOR VT	98.6	LIC	BLTTTL	-20061108AAS
22	WGBY-TV	SPRINGFIELD MA	112.4	LIC	BLEDTT	-20090612ACH
24	WVTA	WINDSOR VT	98.5	LIC	BLEDTT	-20070307AAW
25	WNNE	HARTFORD VT	98.5	LIC	BLCDDT	-20050801BFZ
29	WKTV	UTICA NY	115.4	LIC	BLCDDT	-20060630ACL
36	WCDC-TV	ADAMS MA	51.5	LIC	BLCDDT	-20080718AAO
36	W36AX	MANCHESTER, ETC. VT	43.1	APP	BSTA	-20060310ADT
36	W36AX	MANCHESTER, ETC. VT	43.1	LIC	BLTT	-20060608AAD
21	WGBI-LP	FARMINGTON2 ME	322.8	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 6

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	W21CN	WINDSOR VT	BDFCDTL	-20090813ADB

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
20	W20CS-D	RUTLAND VT	46.7	CP MOD	BMPTT	-20070906ADH
20	W20CS-D	RUTLAND VT	46.7	LIC	BLDTT	-20100315ACR
21	WSHM-LP	SPRINGFIELD MA	147.2	CP	BDISDTL	-20091022ABX
21	WGBI-LP	FARMINGTON ME	225.1	CP	BDFCDTL	-20060331BFC
21	WGBI-LP	FARMINGTON ME	225.1	LIC	BLTT	-19980428JE
21	WLIW	GARDEN CITY NY	306.4	LIC	BLEDT	-20090612AEP
21	WLIW	GARDEN CITY NY	306.4	APP	BMPEDT	-20080620AID
21	W21CP-D	GLOVERSVILLE NY	161.2	LIC	BLDTT	-20090601AQC
21	WSSN-LP	HUDSON ET AL NY	186.5	LIC	BLTTTL	-20050915AAI
21	WWTI	WATERTOWN NY	267.0	LIC	BLCDT	-20040128AFQ
21	WSBE-TV	PROVIDENCE RI	199.7	LIC	BLEDT	-20050307ACR
21	W21CQ	BENNINGTON VT	98.6	LIC	BLTTTL	-20061201AAG
22	NEW	CONCORD NH	34.4	APP	BNPDTL	-20090825AHR
22	WCAX-TV	BURLINGTON VT	123.7	CP	BPCDT	-20080317AEE
22	WCAX-TV	BURLINGTON VT	123.7	APP	BMPCDT	-20080616ADK
21	WGBI-LP	FARMINGTON2 ME	225.1	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 7

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	W21CN	WINDSOR VT	BLTTTL	-20061108AAS

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WPTZ	NORTH POLE NY	123.7	LIC	BLCDT	-20070116ACW
18	WVTB	ST. JOHNSBURY VT	133.1	LIC	BLEDT	-20080117ABR
20	W20CS-D	RUTLAND VT	46.7	LIC	BLDTT	-20100315ACR
21	WLIW	GARDEN CITY NY	306.4	LIC	BLEDT	-20090612AEP
21	WLIW	GARDEN CITY NY	306.4	APP	BMPEDT	-20080620AID
21	WWTI	WATERTOWN NY	267.0	LIC	BLCDT	-20040128AFQ
21	WSBE-TV	PROVIDENCE RI	199.7	LIC	BLEDT	-20050307ACR
21	W21CQ	BENNINGTON VT	98.6	LIC	BLTTTL	-20061201AAG
22	NEW	CONCORD NH	34.4	APP	BNPDTL	-20090825AHR
22	WCAX-TV	BURLINGTON VT	123.7	CP	BPCDT	-20080317AEE
22	WCAX-TV	BURLINGTON VT	123.7	APP	BMPCDT	-20080616ADK
24	WVTA	WINDSOR VT	0.7	LIC	BLEDT	-20070307AAW
25	WNNE	HARTFORD VT	0.7	LIC	BLCDT	-20050801BFZ
29	WUNI	WORCESTER MA	137.1	LIC	BLCDT	-20090821ABQ
35	WZMY-TV	DERRY NH	116.7	LIC	BLCDT	-20070126ACX
36	WCDC-TV	ADAMS MA	106.8	LIC	BLCDT	-20080718AAO
21	WGBI-LP	FARMINGTON2 ME	225.1	APP	USERRECORD-01	

Proposal causes no interference

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#### Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
22	WVFX-LP	BANGOR ME	BDFCDTL -20080403ADD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WLWC	NEW BEDFORD MA	382.9	LIC	BLCDDT -20050802ACS
22	WLWC	NEW BEDFORD MA	382.9	CP	BPCDDT -20080620AEQ
22	WCAX-TV	BURLINGTON VT	337.1	CP	BPCDDT -20080317AEE
22	WCAX-TV	BURLINGTON VT	337.1	APP	BMPCDDT -20080616ADK
23	NEW	LINCOLN ME	65.0	APP	BNPDDL -20100505AKA
23	WPFO	WATERVILLE ME	133.0	CP MOD	BMPCDDT -20080620ACP
21	WGBI-LP	FARMINGTON2 ME	129.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
22	WVFX-LP	BANGOR ME	BLTTL -20031107AEC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WLWC	NEW BEDFORD MA	382.9	LIC	BLCDDT -20050802ACS
22	WLWC	NEW BEDFORD MA	382.9	CP	BPCDDT -20080620AEQ
22	WCAX-TV	BURLINGTON VT	337.1	CP	BPCDDT -20080317AEE
22	WCAX-TV	BURLINGTON VT	337.1	APP	BMPCDDT -20080616ADK
23	WPFO	WATERVILLE ME	133.0	CP MOD	BMPCDDT -20080620ACP
21	WGBI-LP	FARMINGTON2 ME	129.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	W29CA	BRUNSWICK ME	BLTTL -20010209AAE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
29	WUNI	WORCESTER MA	231.9	LIC	BLCDDT -20090821ABQ
29	W29DZ-D	AUGUSTA ME	86.6	CP	BNPDDL -20100107AEF
29	WMUR-LP	LITTLETON NH	138.7	LIC	BLTTL -20000601AEG
33	WPXG-TV	CONCORD NH	140.5	LIC	BLCDDT -20031014AEP
33	WPXG-TV	CONCORD NH	140.5	CP	BPCDDT -20080619AJF
43	WPXT	PORTLAND ME	32.1	LIC	BLCDDT -20060714ABB
44	WCSH	PORTLAND ME	60.6	LIC	BLCDDT -20050705AAH

21 WGBI-LP FARMINGTON2 ME 75.8 APP USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 11

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
29	WMUR-LP	LITTLETON NH	BLTTL -20000601AEG

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WCAX-TV	BURLINGTON VT	97.8	CP	BPCDT -20080317AEE
22	WCAX-TV	BURLINGTON VT	97.8	APP	BMPCDT -20080616ADK
25	WNNE	HARTFORD VT	100.2	LIC	BLCDT -20050801BFZ
29	WUNI	WORCESTER MA	202.4	LIC	BLCDT -20090821ABQ
29	W29CA	BRUNSWICK ME	138.7	LIC	BLTTL -20010209AAE
29	WKTV	UTICA NY	285.9	LIC	BLCDT -20060630ACL
32	WETK	BURLINGTON VT	97.7	LIC	BLEDT -20061011ADW
32	WETK	BURLINGTON VT	97.7	APP	BPEDT -20050118AKO
33	WPXG-TV	CONCORD NH	112.3	LIC	BLCDT -20031014AEP
33	WPXG-TV	CONCORD NH	112.3	CP	BPCDT -20080619AJF
43	WPXT	PORTLAND ME	114.8	LIC	BLCDT -20060714ABB
43	WFFF-TV	BURLINGTON VT	97.8	LIC	BLCDT -20070629AAM
44	WCSH	PORTLAND ME	85.6	LIC	BLCDT -20050705AAH
21	WGBI-LP	FARMINGTON2 ME	131.5	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 12

##### Analysis of current record

Channel	Call	City/State	Application Ref. No.
21	WGBI-LP	FARMINGTON2 ME	USERRECORD-01

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	WSBE-TV	PROVIDENCE RI	322.6	LIC	BLEDT -20050307ACR
21	W21CN	WINDSOR VT	225.1	LIC	BLTTL -20061108AAS

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 12



Before Analysis

Results for: 21A ME FARMINGTON2                      USERRECORD01                      APP  
HAAT 158.0 m, ATV ERP 2.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	40290	1669.3
not affected by terrain losses	37353	1434.9
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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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED