

# Exhibit 12

## Contour Protection Canadian Treaty Requirements

According to CFR 47 §74.1204(a), translators are required to protect all existing FM stations from interference due to overlap of the protected contours of the existing stations with the interfering contours of the new translators.

-----									
Exhibit 12									
Mars Hill Broadcasting Co. In									
Reference	270Tr	ERP	0.080	kW	HAAT	18.0	m	COR	128
431349 N	101.9	MHz			Average protected	F(50,50)	5.3	km	
773725 W								Greece, NY	
-----									
ChnCl	Call	Stat	Azi	Dist	FacId	Lat	*OUT*	Sig	dBu
	Pwr	COR	HAAT		ARN	Lon			
	Owner			City		St			
-----									
267B	WRMM-F	LIC	211	7.78	1907	431013	-62.10	96.90	3rd adj. no-pop
	27.000	338	195	BMLH20060130ASF		774023			
	Entercom	Rochester	L	Rochester		NY			
271A	WJCA	LIC	264	42.87	86922	431119	7.46		See map
	3.700D	309	129	BLED20011213ABE		780853			
	Family Worship	Cente	Albion			NY			
273B	WTSS	LIC	232	103.52	34382	423933	9.79		See map
	110.000	752	355	BLH20020111AAW		783733			
	Entercom	Buffalo	Lic	Buffalo		NY			
273B	WTSS.C	CP	231	104.65	34382	423815	11.70		No map needed
	110.000D	753	340	BPH20060531ADC		783712			
	Entercom	Buffalo	Lic	Buffalo		NY			
272A	WVOR	LIC	149	47.59	8505	425147	18.66		No map needed
	3.400	358	86	BLH19910726KC		771922			
	Citicasters	Licenses	Canandaigua			NY			
-----									

### US Stations

In this table, only WRMM has outgoing contour overlap from the proposed translator, so no interference to other stations is anticipated. Incoming overlap is not prohibited.

WRMM is third adjacent to the proposed translator, and, according to §74.1204(d),

**"The provisions of this section concerning prohibited overlap will not apply where the area of such overlap lies entirely over water. In addition, an application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to ... lack of population ... ."**

The F(50,50) signal from WRMM at the proposed site is 96.90 dBu. A 40 dB ratio of undesired to desired signal strength gives an allowable interfering F(50,10) field strength of 136.90 dBu. This signal strength contour with 0.080 kW ERP only goes 9.0 meters from the transmit antenna. There are no habitable buildings in the area which are tall enough to reach up to intersect the contour. Hence §74.1204(d) applies, and the predicted area of interference is acceptable to the Commission.

No other entries are sufficiently close to the proposed translator to require analysis.

### **Canadian Consideration**

The proposed translator is 67.5 km from the nearest point in Canada, within the 320 km limit established by treaty. The 0.080 kW ERP does not exceed the maximum 0.250 kW, and the maximum 35.0 km F(50,10) 34 dBu contour does not exceed the statutory 60 km. No Canadian stations were found in the above search. Hence there is no outgoing interference with any Canadian stations. Because the 34 dBu F(50,10) contour does not cross the common border (35.0 km maximum contour distance is not greater than the 67.5 km minimum distance to Canada), Canadian concurrence is not required. The relevant document for this analysis is the July 9, 1997 modification to the February 25, 1991 agreement.

Call Chan 101.9

643658 270

Class 0. E ERP 5.3 km

Tr W 0.080

Site Top ~AGL

108 145 20

COR AMSL HAAT

128 19

Latitude Map Longitude

431349 773725

Owner

Mars Hill Broadcasting C

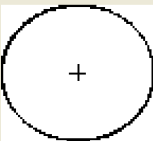
Owner Lat. Owner Lon.

Cities ^ V State

Greece NY

City Lat. dBu City Lon.

411417 855111



Find

->

Eval

Gather

PlotStations

Pop60

Area

0

0

Facld Apps

Plot Scale

150636

600

ARN

BNPFT20030317AFY

Trim 2dB

☒ 360 Rad ☐ 40.234 ☐ Plot 60 ☒ DLG ☐ Pops ☐ Twrs ☐ Trn ASR 1000493

<-

Clear

X

Call	Chan	St...	Dist	Az	City	St	*IN*	*OUT*	MaxPwr	Margin	HAAT	ERP kW	Owner
WRMM-F	267B	LIC	7.78	211	Rochester	NY	-3.9	-62.1	0.000		195	27.000	Entercom Roche.
CJLX	217B1	LIC	117.92	5	Belleville	ON					164	3.400	
WJCA	271A	LIC	42.87	264	Albion	NY	-5.0	7.5	0.000		129	3.700D	Family Worship C
WTSS	273B	LIC	103.52	232	Buffalo	NY	86.7	9.8	100.000		355	110.000	Entercom Buffalo
WTSS.C	273B	CP	104.65	231	Buffalo	NY	87.9	11.7	100.000		340	110.000D	Entercom Buffalo
WVOR	272A	LIC	47.59	149	Canandai...	NY	39.7	18.7	100.000		86	3.400	Citicasters Licens
WLOF	269A	LIC	72.90	234	Attica	NY	25.9	37.7	49.788		136	3.200D	Holy Family Com..
AL9927	272B	VAC	105.88	11	Belleville	ON	78.2	38.9	100.000		150	50.000	
WFLK	269A	LIC	64.91	129	Geneva	NY	36.7	42.1	62.685		38	5.400	Mb Communicatic
CFNYFM	271C1	VAC	149.46	288	Brampton	ON	43.5	55.2	32.183		291	61.000	
AL9927	272B	VAC	105.88	11	Belleville	ON	78.2	38.9	100.000		150	50.000	

lat = 433840, lon = 780544, dist = 59.80 km, az = 320, degr, site el = 70 m

CallChan 101.9

643658270

Class 0. E ERP 5.3 km

TrW0.080

SiteTop~AGL

10814520

COR AMSLHAAT

12818.6

LatitudeMapLongitude

431349773725

Owner

Mars Hill Broadcasting C

Owner Lat. Owner Lon.

Cities^VState

GreeceNY

City Lat. dBu City Lon.

411417855111

Find

Eval

GatherPlotStations

Pop60Area

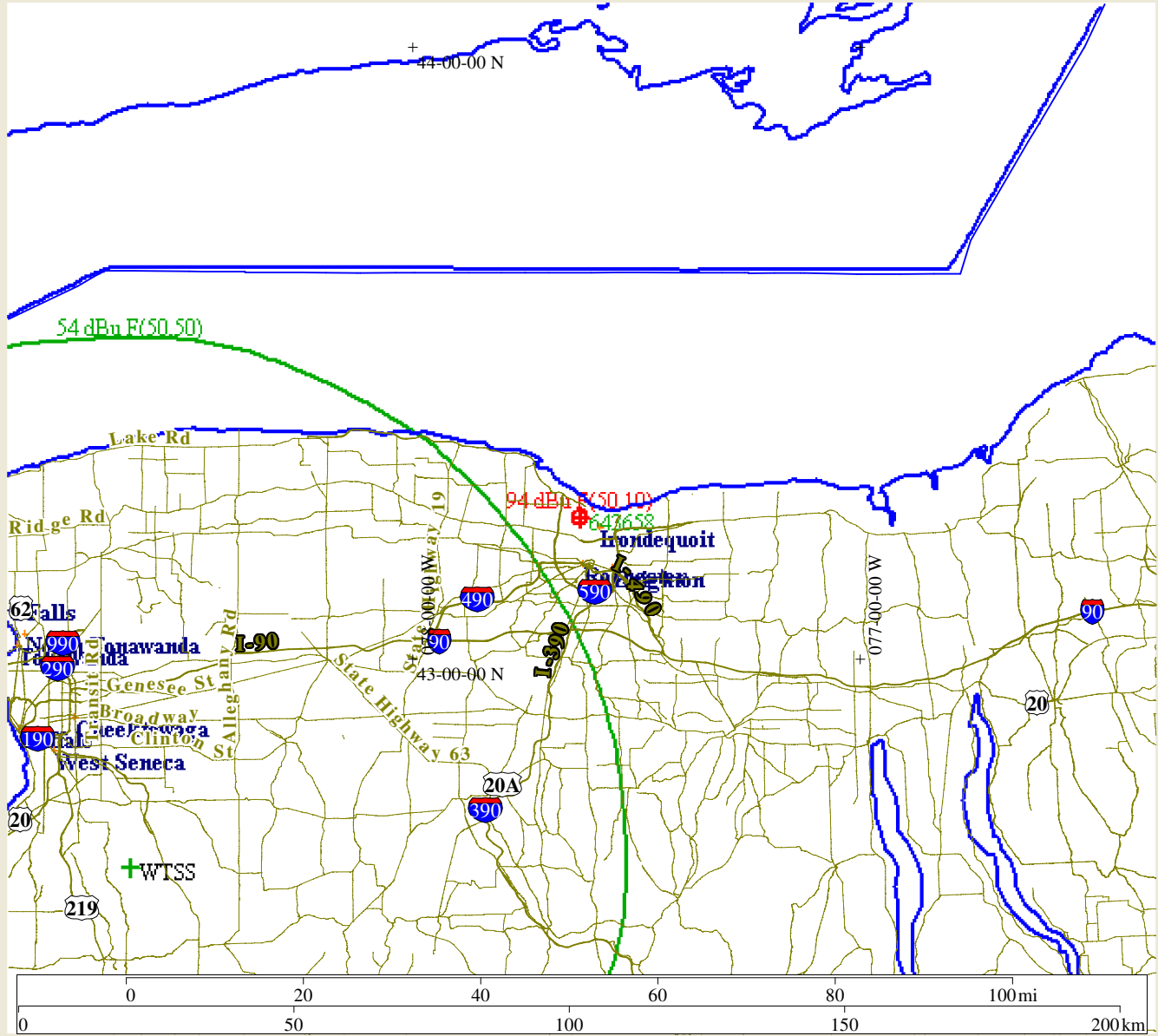
00

Facld AppsPlot Scale

150636300

ARN

BNPFT20030317AFY



☒ 360 Rad ☐ 40.234 ☐ Plot 60 ☒ DLG ☐ Pops ☐ Twrs ☐ Trn ASR 1000493 <- Clear X

Call	Chan	St...	Dist	Az	City	St	*IN*	*OUT*	MaxPwr	Margin	HAAT	ERP kW	Owner
WRMM-F	267B	LIC	7.78	211	Rochester	NY	-3.9	-62.1	0.000		195	27.000	Entercom Roche.
CJLX	217B1	LIC	117.92	5	Belleville	ON					164	3.400	
WJCA	271A	LIC	42.87	264	Albion	NY	-5.0	7.5	0.000		129	3.700D	Family Worship C
WTSS	273B	LIC	103.52	232	Buffalo	NY	86.7	9.8	100.000		355	110.000	Entercom Buffalo
WTSS.C	273B	CP	104.65	231	Buffalo	NY	87.9	11.7	100.000		340	110.000D	Entercom Buffalo
WVOR	272A	LIC	47.59	149	Canandai...	NY	39.7	18.7	100.000		86	3.400	Citicasters Licens
WLOF	269A	LIC	72.90	234	Attica	NY	25.9	37.7	49.788		136	3.200D	Holy Family Com..
AL9927	272B	VAC	105.88	11	Belleville	ON	78.2	38.9	100.000		150	50.000	
WFLK	269A	LIC	64.91	129	Geneva	NY	36.7	42.1	62.685		38	5.400	Mb Communicatic
CFNYFM	271C1	VAC	149.46	288	Brampton	ON	43.5	55.2	32.183		291	61.000	
AL4727	272B	VAC	105.88	11	Belleville	ON	78.2	38.9	100.000		150	50.000	

lat = 433410, lon = 784804, dist = 102.57 km, az = 292, degr, site el = 70 m