

## Exhibit 12

### Non-Interference Compliance

Channel: 233

Reference to: FCC File Number: BNPFT-20030828ADR (Original Construction Permit)  
Construction Permit W233AY (Current Call Sign)

### Description of Exhibit 12 Contents

This exhibit will show that the proposed facility complies with contour overlap interference protection provisions in 47 CFR 74.1204.

Specifically we will show compliance with 47 CFR 74.1204 (d), which states:

*“an application otherwise precluded by the section will be accepted if it can be demonstrated that no actual interference will occur due to interfering terrain, lack of population, or such other factors as may be applicable.”*

Page 3, Exhibit 12(a), is a table showing the second and third adjacent channel stations which the instant application must protect, and the actual field strengths of those stations at the proposed translator site. The field strengths were determined with ComStudy 2.2.

The applicant certifies that should any actual interference occur, operation of the translator will be suspended in accordance with 47 CFR 74.1203.

Page 4, Exhibit 12(b), displays the F(50/50) 60 dbu of the proposed channel 233 Translator modified transmitter site, overlapping the F(50/50) 60 dbu of the original W233AY Construction permit, thus compliance with CFR, 74.1233(a) (2).

Page 5, Exhibit 12(c), is a Table showing the distance to the F (50/50) 60 dbu contour of the Proposed 94.5 Translator, prepared using ComStudy 2.2.

Page 7, Exhibit 12(d), is a Topographical map of the area around the proposed channel 233 translator site, and a distance calculation to the nearest residence. The site, is off Route 175 in Campton, New Hampshire. Route 175 is a greater distance away than the nearest residence, thus of no impact to the instant application.

Since the proposed channel 233 translator is about 125 kilometers from the Canadian Border, the applicant certifies that the 50/10, 34 dbu contour does not extend beyond 60 kilometers in any direction, in compliance with CFR 47, Sec. 74.1235 (d)3, which states that “the distance to the 34 dbu interfering contour may not exceed 60 kilometers in any direction”, and hence is in compliance with 47 CFR 74.1204(h). (see page 8, Exhibit 12(e).

### **Explanation of ComStudy Frequency Finder Results:**

The Interference analysis for the instant application was performed using data taken directly from the FCC's FM database, which looks for prohibited overlap with contours of adjacent stations, and prohibited proximity to stations 53 or 54 channels from the proposed translator station (IF) using 3 arc second terrain data and the FCC's contour algorithms. See results of analysis in Table on Page 10, Exhibit 12(F). (ComStudy uses the FCC's FM Database, thus the results included the proposed translator. This line was deleted from the Table to save confusion)

The proposed channel 233 Translator can operate with an effective radiated power of 250 watts at 7-meters AGL. (see page 4, Exhibit 12(b) Contour Study) According to 47 CFR, 74.1204(a), the desired to undesired ratio between 2<sup>nd</sup>/3<sup>rd</sup> adjacent stations is 40 dbu, making the proposed translator's interfering contour 117.8 dbu F(50/10) See Contour Study, page 12, Exhibit 12(g). Based on the FCC's "Free Space" equation, the F(50/10) 117.8 dbu interfering contour extends 143 meters. (see page 13, Exhibit 12(h) FCC Propagation Curves Calculation.) The nearest Residence is 145 meters distant, thus the proposed ch. 233 Translator has adequate cylindrical clearance.

The instant application takes into account USGS quadrangles and relevant aerial photography in stating that no inhabited structures exist inside the area of the interfering contour. Thus, in accordance with 47 CFR 74.1204(d), and the clarification provided by the FCC in the decision Re: Living Way Ministries (FCC 02-244), there is a lack of population within the proposed area of interference, and therefore this application is in full compliance with 47 CFR 74.1204.)

The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., the facility will not have a significant environmental impact and complies with the maximum permissible radio frequency electromagnetic exposure limits for controlled and uncontrolled environments). (See page 14, Exhibit 12(i), RF Worksheet)

**Table of 2nd & 3rd Adjacent Protected Stations**  
**Signal Strength at Proposed Translator Transmitter site**

<u>Call Sign</u>	<u>State</u>	<u>City</u>	<u>Freq.</u>	<u>Channel</u>	<u>ERP-Watts</u>	<u>Class</u>	<u>Status</u>	<u>Distance, Km</u>	<u>Signal Strength at Prop. Site</u>
WHOM	NH	MT. WASHINGTON	94.9	235	48,000	C	LIC.	51.61	77.8
Minimum F(50/50) Protected Contour of Adjacent Station within Proposed Translator's standard F(50/10) Interfering Contour:									<b>77.8</b>

\*Note: The F(50/50) signal strength of all relevant 2nd and 3rd adjacent stations have been examined, and are listed in the above table. The last column shows the station's signal level at the proposed translator's tower site, as determined by ComStudy 2.2. The minimum F(50/50) contour within the proposed translator's standard F(50/10) contour was used to calculate the proposed translator's interfering contour, assuring minimum undesired-to-desired ratio of 40 db for all relevant adjacent stations, as required in 47 CFR, 74.1204(a).

***Thus, the proposed channel 237 calculated F(50/10) interfering contour will be 117.8 dbu.***

94.5 Translator can operate at 250 watts from this site.

# Proposed 94.5 Translator Distance toF ( 50/50) 60 dbu Contours

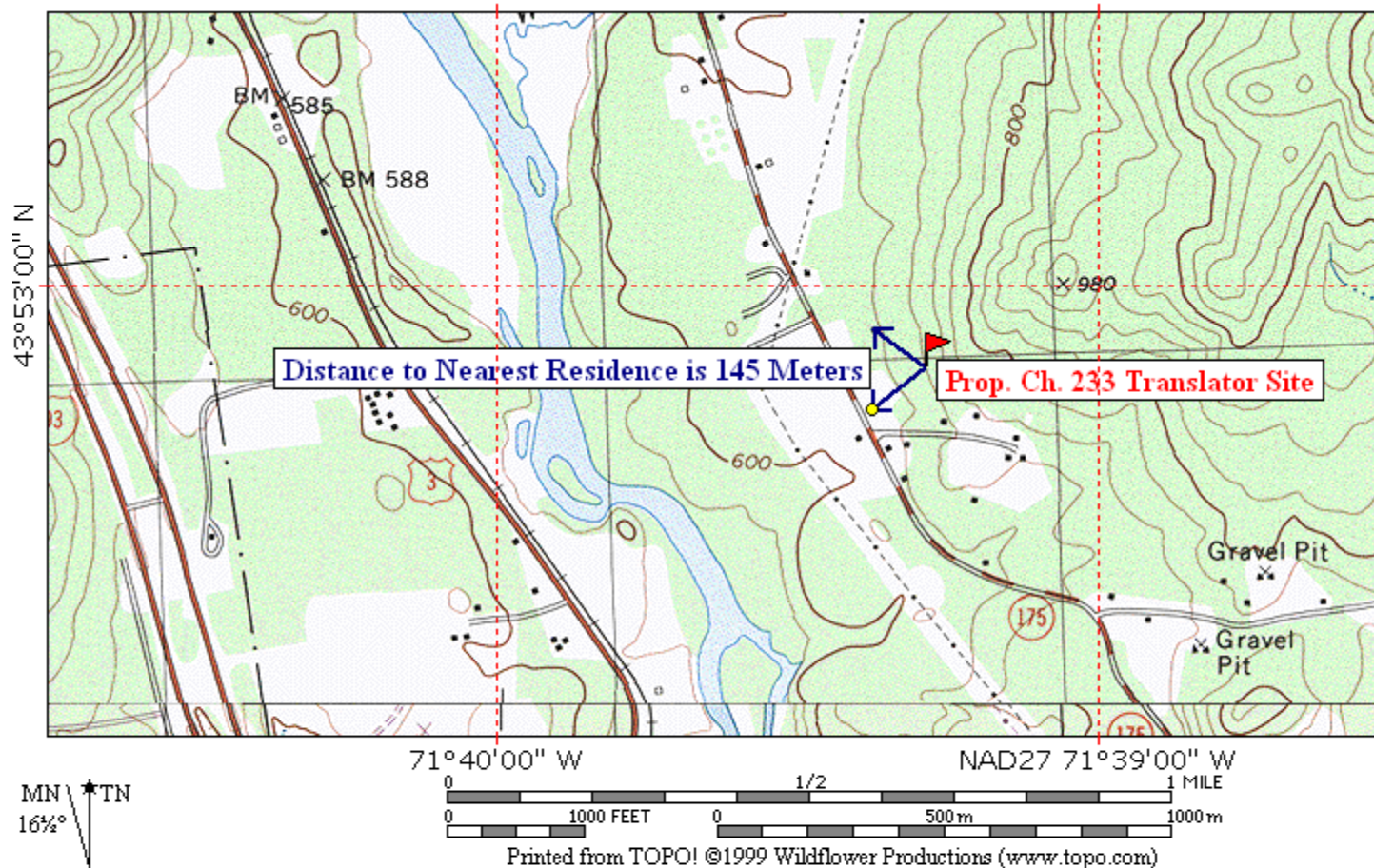
Site: Prop 94.5 Xlator  
Coordinates: 43-52-54.0 N, 71-39-17.0 W  
Freq: 94.50000 MHz  
ERP: 250.00 W

Bearing	ERP W	HAAT	DH	Distance	Lat	Lon
0	250	-130	670	7.09	43-56-43.7 N	71-39-17.0 W
5	250	-172	680	7.09	43-56-43.7 N	71-39-11.4 W
10	250	-224	540	7.09	43-56-43.5 N	71-39-05.8 W
15	250	-246	640	7.09	43-56-43.4 N	71-39-00.3 W
20	250	-280	520	7.09	43-56-43.1 N	71-38-54.7 W
25	250	-330	530	7.09	43-56-42.8 N	71-38-49.1 W
30	250	-394	520	7.09	43-56-42.4 N	71-38-43.6 W
35	250	-453	570	7.09	43-56-42.0 N	71-38-38.1 W
40	250	-470	390	7.09	43-56-41.4 N	71-38-32.5 W
45	250	-433	470	7.09	43-56-40.9 N	71-38-27.0 W
50	250	-401	510	7.09	43-56-40.2 N	71-38-21.5 W
55	250	-335	530	7.09	43-56-39.5 N	71-38-16.1 W
60	250	-280	630	7.09	43-56-38.7 N	71-38-10.6 W
65	250	-262	660	7.09	43-56-37.8 N	71-38-05.2 W
70	250	-350	750	7.09	43-56-36.9 N	71-37-59.8 W
75	250	-401	720	7.09	43-56-35.8 N	71-37-54.4 W
80	250	-391	630	7.09	43-56-34.8 N	71-37-49.0 W
85	250	-352	570	7.09	43-56-33.6 N	71-37-43.7 W
90	250	-301	540	7.09	43-56-32.4 N	71-37-38.4 W
95	250	-263	420	7.09	43-56-31.2 N	71-37-33.1 W
100	250	-236	330	7.09	43-56-29.8 N	71-37-27.8 W
105	250	-246	400	7.09	43-56-28.4 N	71-37-22.6 W
110	250	-254	400	7.09	43-56-26.9 N	71-37-17.4 W
115	250	-233	450	7.09	43-56-25.4 N	71-37-12.3 W
120	250	-254	300	7.09	43-56-23.8 N	71-37-07.2 W
125	250	-232	190	7.09	43-56-22.1 N	71-37-02.1 W
130	250	-197	290	7.09	43-56-20.4 N	71-36-57.1 W
135	250	-150	130	7.09	43-56-18.6 N	71-36-52.1 W
140	250	-138	150	7.09	43-56-16.8 N	71-36-47.2 W
145	250	-113	290	7.09	43-56-14.9 N	71-36-42.3 W
150	250	-118	310	7.09	43-56-12.9 N	71-36-37.4 W
155	250	-75	150	7.09	43-56-10.8 N	71-36-32.6 W
160	250	-76	130	7.09	43-56-08.7 N	71-36-27.9 W
165	250	-108	210	7.09	43-56-06.6 N	71-36-23.2 W
170	250	-72	180	7.09	43-56-04.4 N	71-36-18.6 W
175	250	-48	140	7.09	43-56-02.1 N	71-36-14.0 W
180	250	22	230	7.09	43-55-59.8 N	71-36-09.4 W
185	250	40	200	7.09	43-55-57.4 N	71-36-05.0 W
190	250	30	270	7.09	43-55-54.9 N	71-36-00.6 W
195	250	-5	260	7.09	43-55-52.4 N	71-35-56.2 W
200	250	-34	290	7.09	43-55-49.9 N	71-35-51.9 W

205	250	-38	220	7.09	43-55-47.3 N	71-35-47.7 W
<b>Bearing</b>	<b>ERP W</b>	<b>HAAT</b>	<b>DH</b>	<b>Distance</b>	<b>Lat</b>	<b>Lon</b>
210	250	-39	360	7.09	43-55-44.6 N	71-35-43.5 W
215	250	-36	390	7.09	43-55-41.9 N	71-35-39.4 W
220	250	-37	440	7.09	43-55-39.1 N	71-35-35.4 W
225	250	-54	380	7.09	43-55-36.3 N	71-35-31.4 W
230	250	-108	230	7.09	43-55-33.5 N	71-35-27.5 W
235	250	-167	280	7.09	43-55-30.6 N	71-35-23.7 W
240	250	-208	320	7.09	43-55-27.6 N	71-35-19.9 W
245	250	-253	370	7.09	43-55-24.6 N	71-35-16.2 W
250	250	-253	350	7.09	43-55-21.5 N	71-35-12.6 W
255	250	-240	450	7.09	43-55-18.5 N	71-35-09.1 W
260	250	-240	520	7.09	43-55-15.3 N	71-35-05.6 W
265	250	-252	500	7.09	43-55-12.1 N	71-35-02.2 W
270	250	-250	560	7.09	43-55-08.9 N	71-34-58.9 W
275	250	-251	380	7.09	43-55-05.6 N	71-34-55.7 W
280	250	-258	340	7.09	43-55-02.3 N	71-34-52.5 W
285	250	-302	420	7.09	43-54-59.0 N	71-34-49.5 W
290	250	-386	480	7.09	43-54-55.6 N	71-34-46.5 W
295	250	-370	430	7.09	43-54-52.2 N	71-34-43.6 W
300	250	-330	410	7.09	43-54-48.7 N	71-34-40.8 W
305	250	-279	410	7.09	43-54-45.2 N	71-34-38.0 W
310	250	-312	640	7.09	43-54-41.7 N	71-34-35.4 W
315	250	-294	790	7.09	43-54-38.2 N	71-34-32.8 W
320	250	-234	870	7.09	43-54-34.6 N	71-34-30.3 W
325	250	-193	830	7.09	43-54-30.9 N	71-34-27.9 W
330	250	-157	360	7.09	43-54-27.3 N	71-34-25.6 W
335	250	-142	460	7.09	43-54-23.6 N	71-34-23.4 W
340	250	-118	540	7.09	43-54-19.9 N	71-34-21.3 W
345	250	-70	530	7.09	43-54-16.2 N	71-34-19.3 W
350	250	-22	600	7.09	43-54-12.4 N	71-34-17.3 W
355	250	-77	300	7.09	43-54-08.6 N	71-34-15.5 W

This Exhibit shows the distance to the nearest Residence is 145 Meters. \* Both Residences Shown are the same distance from Prop. Ch. 233 Translator.

TOPO! map printed on 04/26/07 from "WHITEMTN.TPO" and "Untitled.tpg"  
71°40'00" W NAD27 71°39'00" W



# Proposed 94.5 Transaltor Distance to 50/10, 34 dBu Interfering Contour

Site: Prop 94.5 Xlator  
Coordinates: 43-52-54.0 N, 71-39-17.0 W  
Freq: 94.50000 MHz  
ERP: 250.00 W

Bearing	ERP W	HAAT	DH	Distance	Lat	Lon
0	250	-144	670	35.63	44-12-07.5 N	71-39-17.0 W
5	250	-186	680	35.63	44-12-07.4 N	71-38-48.9 W
10	250	-238	540	35.63	44-12-06.8 N	71-38-20.8 W
15	250	-260	640	35.63	44-12-06.0 N	71-37-52.7 W
20	250	-294	520	35.63	44-12-04.7 N	71-37-24.7 W
25	250	-344	530	35.63	44-12-03.1 N	71-36-56.7 W
30	250	-408	520	35.63	44-12-01.2 N	71-36-28.8 W
35	250	-467	570	35.63	44-11-58.9 N	71-36-00.8 W
40	250	-484	390	35.63	44-11-56.3 N	71-35-33.0 W
45	250	-447	470	35.63	44-11-53.3 N	71-35-05.2 W
50	250	-415	510	35.63	44-11-49.9 N	71-34-37.5 W
55	250	-349	530	35.63	44-11-46.2 N	71-34-09.9 W
60	250	-294	630	35.63	44-11-42.2 N	71-33-42.4 W
65	250	-276	660	35.63	44-11-37.8 N	71-33-15.0 W
70	250	-364	750	35.63	44-11-33.1 N	71-32-47.7 W
75	250	-415	720	35.63	44-11-28.0 N	71-32-20.5 W
80	250	-405	630	35.63	44-11-22.6 N	71-31-53.5 W
85	250	-366	570	35.63	44-11-16.9 N	71-31-26.6 W
90	250	-315	540	35.63	44-11-10.8 N	71-30-59.8 W
95	250	-277	420	35.63	44-11-04.4 N	71-30-33.2 W
100	250	-250	330	35.63	44-10-57.6 N	71-30-06.8 W
105	250	-260	400	35.63	44-10-50.5 N	71-29-40.5 W
110	250	-268	400	35.63	44-10-43.1 N	71-29-14.4 W
115	250	-247	450	35.63	44-10-35.4 N	71-28-48.5 W
120	250	-268	300	35.63	44-10-27.3 N	71-28-22.7 W
125	250	-246	190	35.63	44-10-18.9 N	71-27-57.2 W
130	250	-211	290	35.63	44-10-10.2 N	71-27-31.9 W
135	250	-164	130	35.63	44-10-01.2 N	71-27-06.8 W
140	250	-152	150	35.63	44-09-51.8 N	71-26-42.0 W
145	250	-127	290	35.63	44-09-42.2 N	71-26-17.3 W
150	250	-132	310	35.63	44-09-32.2 N	71-25-52.9 W
155	250	-89	150	35.63	44-09-22.0 N	71-25-28.8 W
160	250	-90	130	35.63	44-09-11.4 N	71-25-04.9 W
165	250	-122	210	35.63	44-09-00.5 N	71-24-41.3 W
170	250	-86	180	35.63	44-08-49.4 N	71-24-17.9 W
175	250	-62	140	35.63	44-08-37.9 N	71-23-54.9 W
180	250	8	230	35.63	44-08-26.2 N	71-23-32.1 W
185	250	26	200	35.63	44-08-14.1 N	71-23-09.6 W
190	250	16	270	35.63	44-08-01.8 N	71-22-47.4 W
195	250	-19	260	35.63	44-07-49.2 N	71-22-25.5 W



200	250	-48	290	35.63	44-07-36.4 N	71-22-03.9 W
205	250	-52	220	35.63	44-07-23.2 N	71-21-42.6 W
210	250	-53	360	35.63	44-07-09.8 N	71-21-21.7 W
215	250	-50	390	35.63	44-06-56.2 N	71-21-01.1 W
220	250	-51	440	35.63	44-06-42.3 N	71-20-40.8 W
225	250	-68	380	35.63	44-06-28.1 N	71-20-20.9 W
230	250	-122	230	35.63	44-06-13.7 N	71-20-01.3 W
235	250	-181	280	35.63	44-05-59.0 N	71-19-42.1 W
240	250	-222	320	35.63	44-05-44.1 N	71-19-23.2 W
245	250	-267	370	35.63	44-05-29.0 N	71-19-04.8 W
250	250	-267	350	35.63	44-05-13.6 N	71-18-46.6 W
255	250	-254	450	35.63	44-04-58.1 N	71-18-28.9 W
260	250	-254	520	35.63	44-04-42.2 N	71-18-11.5 W
265	250	-266	500	35.63	44-04-26.2 N	71-17-54.6 W
270	250	-264	560	35.63	44-04-10.0 N	71-17-38.0 W
275	250	-265	380	35.63	44-03-53.5 N	71-17-21.8 W
280	250	-272	340	35.63	44-03-36.9 N	71-17-06.1 W
285	250	-316	420	35.63	44-03-20.1 N	71-16-50.7 W
290	250	-400	480	35.63	44-03-03.0 N	71-16-35.8 W
295	250	-384	430	35.63	44-02-45.8 N	71-16-21.2 W
300	250	-344	410	35.63	44-02-28.4 N	71-16-07.1 W
305	250	-293	410	35.63	44-02-10.8 N	71-15-53.5 W
310	250	-326	640	35.63	44-01-53.1 N	71-15-40.2 W
315	250	-308	790	35.63	44-01-35.2 N	71-15-27.4 W
320	250	-248	870	35.63	44-01-17.1 N	71-15-15.0 W
325	250	-207	830	35.63	44-00-58.9 N	71-15-03.1 W
330	250	-171	360	35.63	44-00-40.6 N	71-14-51.6 W
335	250	-156	460	35.63	44-00-22.1 N	71-14-40.6 W
340	250	-132	540	35.63	44-00-03.4 N	71-14-30.0 W
345	250	-84	530	35.63	43-59-44.7 N	71-14-19.9 W
350	250	-36	600	35.63	43-59-25.8 N	71-14-10.2 W
355	250	-91	300	35.63	43-59-06.7 N	71-14-01.0 W

# Proposed Ch. 233 Translator. Frequency Separation Study

43-52-54 N, 71-39-17 W

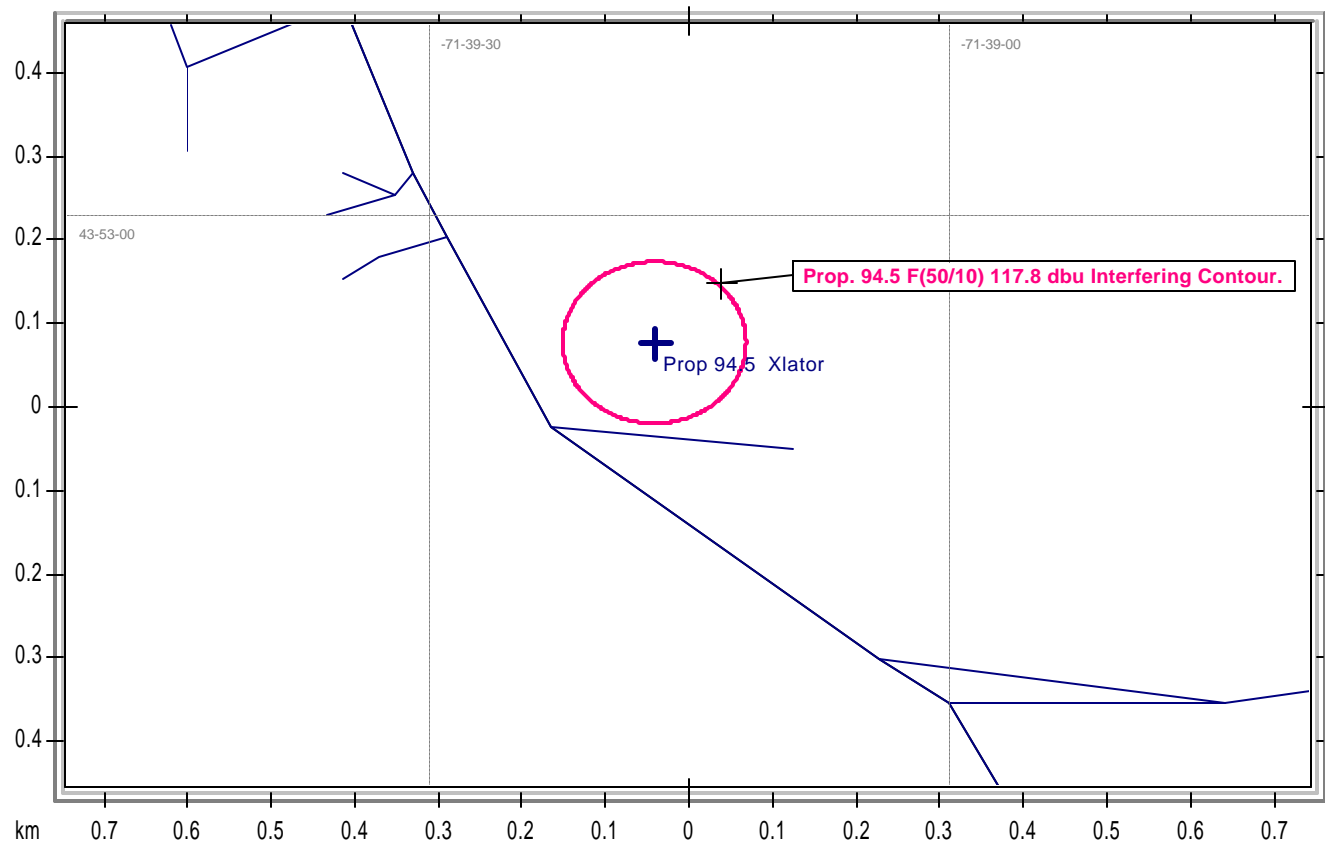
HAAT= -213m

ERP= 250 watts

Callsign	State	City	Freq	Channel	ERP_w	Class	Status	Distance_km	Sep	Clr
	NH	MT. WASHINGTON	94.9	235	0	C	USE	51.66	0	9.55 dB
	QU	LAC-MEGANTIC	94.5	233	0	A		195.73	0	36.97 dB
	VT	ALBANY	94.5	233	0	A	APP	111.38	0	22.02 dB
CITE-2	QU	SHERBROOKE	94.5	233	50	D		168.81	0	31.38 dB
CKMFFM	QC	MONTREAL	94.3	232	92000	C1		236.88	0	39.82 dB
NEW	NH	BERLIN	94.5	233	10	D	APP	79.08	0	13.19 dB
NEW	NH	BERLIN	94.5	233	10	D	APP	79.08	0	13.19 dB
W230BC	NH	SUGAR HILL	93.9	230	10	D	CP	38.89	0	28.36 dB
W232AJ	NH	GREENVILLE, ETC.	94.3	232	5	D	LIC	115.16	0	34.03 dB
W232AP	VT	WHITE RIVER JUNCTION	94.3	232	10	D	LIC	61.85	0	24.08 dB
W232BN	VT	WARREN	94.3	232	170	D	CP	100.05	0	32.00 dB
W233AR	VT	BRATTLEBORO	94.5	233	10	D	LIC	139.6	0	25.89 dB
W233BD	VT	BURLINGTON	94.5	233	10	D	CP	135.67	0	25.89 dB
W233BE	ME	RICHMOND CENTER	94.5	233	250	D	LIC	141.27	0	25.89 dB
W234BD	VT	BOLTON	94.7	234	10	D	CP	115.27	0	34.03 dB
WBOE	NY	RAVENA	94.5	233	3000	A	LIC	232.26	0	36.97 dB
WBOE	NY	RAVENA	94.5	233	6000	A	CP	232.45	0	36.97 dB
WBTN-FM	VT	BENNINGTON	94.3	232	3000	A	LIC	160.92	0	39.89 dB
WCNH-LP	NH	CONCORD	94.7	234	100	LP100	CP MOD	74.77	13	27.19 dB
WCNH-LP	NH	CONCORD	94.7	234	100	LP100	LIC	74.77	13	27.19 dB
WCYI	ME	LEWISTON	93.9	230	27500	B	LIC	134.27	0	25.17 dB
WCYY	ME	BIDDEFORD	94.3	232	0	B1	USE	105.53	0	31.03 dB
WCYY	ME	BIDDEFORD	94.3	232	11500	B1	LIC	107.67	0	23.21 dB
WFTN-FM	NH	FRANKLIN	94.1	231	0	A	USE	45.55	0	35.19 dB
WFTN-FM	NH	FRANKLIN	94.1	231	6000	A	LIC	45.55	0	14.27 dB
WHJY	RI	PROVIDENCE	94.1	231	50000	B	LIC	229.33	0	39.77 dB
WHOM	NH	MOUNT WASHINGTON	94.9	235	20500	C	LIC	51.6	0	-15.92 dB
<b>WHOM</b>	<b>NH</b>	<b>MOUNT WASHINGTON</b>	<b>94.9</b>	<b>235</b>	<b>48000</b>	<b>C</b>	<b>LIC</b>	<b>51.61</b>	<b>0</b>	<b>-19.59 dB</b>
WJEN	VT	RUTLAND	94.5	233	0	A	USE	103.06	0	20.03 dB

WJEN	VT	RUTLAND	94.5	233	700	A	CP	114.37	0	19.03 dB
WJEN	VT	RUTLAND	94.5	233	3000	A	LIC	114.24	0	20.03 dB
WJMN	MA	BOSTON	94.5	233	0	B	USE	178.35	0	27.24 dB
WJMN	MA	BOSTON	94.5	233	9200	B	LIC	178.35	0	16.02 dB
WKSQ	ME	ELLSWORTH	94.5	233	11500	B	LIC	258.56	0	30.97 dB
WLVB	VT	MORRISVILLE	93.9	230	5400	A	LIC	110.07	0	38.41 dB
WMAS-FM	MA	SPRINGFIELD	94.7	234	50000	B	LIC	211.75	0	37.50 dB
WMXR	VT	WOODSTOCK	93.9	230	670	A	LIC	72.16	0	21.61 dB

Prop. site is at 43-52-54 N, 71-39-17 W



Prop. Ch. 233 Translator Has a F(50/10) 117.8 dbu Interfering Contour.



State Borders      Highways      Streets      Lat/Lon Grid

**Audio Division****FM and TV Propagations Curves Calculations**

(202)-418-2700

[FCC](#) > [MB](#) > [Audio Division](#) > [FM and TV Curves Calculations](#)[FCC site](#)**Results -- FM and TV Propagation Curves Calculations**

Entered HAAT is less than 30 meters -- Set to 30 m

Free Space equation used, not curves

**Results of Calculation****Distance to Contour = 0.143 km**[Back to Numeric Entries](#)[Back to Initial Selections](#)**For input data from Pages 1 and 2:**

ERP entered = 0.250 kW

HAAT entered = -199.00 meters

Field Strength entered = 117.800 dBu

Find the Distance to the Contour, Given a Field Strength

F(50,10) curves for interfering contours

FM and NTSC analog TV Channels 2 through 6

[Back to Numeric Entries](#)[Back to Initial Selections](#)Comments on this program may be referred to [Dale Bickel](#)

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Please send comments via standard mail to the Federal Communications Commission, Consumer and Governmental Affairs Bureau, 445 12th Street, S.W., Washington, D.C., 20554. Questions can also be answered by calling the FCC's National Call Center, toll free, at 1-888-Call FCC (1-888-225-5322).

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Federal Communications

Phone: 1-888-CALL-FCC (1-

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Ch. 233 Translator RF Worksheet

Federal Communications Commission  
Washington, DC 20554

Approved by OMB  
3060-0110

**RF Worksheet #1 – FM (including translators & boosters)**

**PLEASE COPY BEFORE USING. THE DETERMINATION OF COMPLIANCE MAY INVOLVE REPEATED CALCULATIONS. IF LOCATED ON A MULTIPLE FM USER TOWER, PLEASE COMPLETE RF WORKSHEET 1A BEFORE PROCEEDING.**

**EFFECTIVE RADIATION CENTER HEIGHT**

Enter proposed "height of radiation center above ground" OR as listed in Line 1 7 m (1)  
of Worksheet 1A.

Is antenna supporting structure located on the roof of a building? (check one)

☐ Yes ☒ No (2)

If Line 2 is "Yes" enter the building height measured at the base of the antenna supporting structure in Line 3

If Line 2 is "No" enter "0" in Line 3 -0- m (3)

Subtract Line (3) from Line (1) 7 m (4)

Subtract the value 2.0 from Line (4) 5 m (5)

**TOTAL EFFECTIVE RADIATED POWER**

(If "beam tilt" is utilized, list maximum values)

List Effective Radiated Power in the Horizontal Plane 250 kW (6)

List Effective Radiated Power in the Vertical Plane 250 kW (7)

Add Lines (6) and (7) OR list value from Line 2 in Worksheet 1A 500 kW (8)

**PERCENTAGE OF FCC RF LIMIT(S) FOR MAXIMUM PERMISSIBLE EXPOSURE**

Multiply Line (8) by 33.41 16.70 (9)

Multiply the value listed in Line (5) by itself 25.00 (10)

Divide Line (9) by Line (10) .66 (11)

Multiply Line (11) by (100) 66 (12)

**DETERMINATION OF COMPLIANCE WITH CONTROLLED/OCCUPATIONAL LIMIT**

Does Line (12) exceed 100% ☐ Yes ☒ No (13)

**IF YOU ANSWERED "YES" IN LINE (13), THE WORKSHEETS MAY NOT BE USED IN THIS CASE.\***

**IF YOU ANSWERED "NO" IN LINE (13), THEN THE SITE SHOULD COMPLY WITH THE FCC'S CONTROLLED/OCCUPATIONAL RF EXPOSURE LIMITS FOR GROUND LEVEL EXPOSURE**

\*In this case, you may need to prepare an Environmental Assessment. See Instructions for Section III-C FCC Form 301.

**DETERMINATION OF COMPLIANCE WITH THE UNCONTROLLED/GENERAL POPULATION LIMIT**

Does Line (12) exceed 20% ☐ Yes ☐ No (14)