

Calvary Chapel of the Finger Lakes, Inc.  
 FM Translator W279BM, Facility ID 150833  
 Application for Minor Change  
 July 2008

Exhibit 11A – Present and Proposed Translator Service Areas

This application proposes a change in antenna location of FM Translator W279BM, Batavia, New York from Cockram Road in the Town of Byron, NY (NAD 27 coordinates 43-04-01, 78-04-46) to Temperance Hill in the Town of Stafford, NY (NAD 27 coordinates 42-59-26, 78-07-17), a change in output from Channel 278 (103.5 MHz) to third-adjacent Channel 275 (102.9 MHz), and a reduction in effective radiated power (ERP) to 28 watts directional

The proposed facility will employ a vertically-polarized Scala model FMV directional transmit antenna with radiation center at 45 meters AGL and 332 meters AMSL with main lobe centered at an azimuth of 235 degrees True. The proposed ERP at each bearing complies with the maximum effective radiated power (MERP) limits of 47 CFR 74.1235(b)(1) for non-fill-in translators, as demonstrated in the following table:

Azimuth (Degrees)	Relative Field	HAAT (meters)	ERP (Watts)	MERP (Watts)
<b>0</b>	0.61	<b>116.9</b>	10.4	<b>13</b>
5	0.592		9.8	13
10	0.578		9.4	13
15	0.566		9.0	13
20	0.556		8.7	13
25	0.549		8.4	13
<b>30</b>	0.544	<b>130.3</b>	8.3	<b>13</b>
35	0.54		8.2	13
40	0.537		8.1	13
45	0.535		8.0	13
50	0.534		8.0	19
55	0.534		8.0	19
<b>60</b>	0.534	<b>105.1</b>	8.0	<b>19</b>
65	0.535		8.0	19
70	0.537		8.1	19
75	0.54		8.2	19
80	0.544		8.3	38
85	0.549		8.4	38
<b>90</b>	0.556	<b>73.1</b>	8.7	<b>38</b>
95	0.566		9.0	38
100	0.578		9.4	38
105	0.592		9.8	38
110	0.61		10.4	80
115	0.63		11.1	80

<b>120</b>	0.654	<b>51.1</b>	12.0	<b>80</b>
125	0.679		12.9	80
130	0.706		14.0	80
135	0.735		15.1	80
140	0.763		16.3	250
145	0.792		17.6	250
<b>150</b>	0.819	<b>25.4</b>	18.8	<b>250</b>
155	0.845		20.0	250
160	0.87		21.2	250
165	0.892		22.3	250
170	0.911		23.2	250
175	0.929		24.2	250
<b>180</b>	0.944	<b>-10.9</b>	25.0	<b>250</b>
185	0.956		25.6	250
190	0.967		26.2	250
195	0.975		26.6	250
200	0.982		27.0	250
205	0.987		27.3	250
<b>210</b>	0.991	<b>6.3</b>	27.5	<b>250</b>
215	0.995		27.7	250
220	0.997		27.8	250
225	0.999		27.9	250
230	1		28.0	80
235	1		28.0	80
<b>240</b>	1	<b>52.0</b>	28.0	<b>80</b>
245	0.999		27.9	80
250	0.997		27.8	80
255	0.995		27.7	38
260	0.991		27.5	38
265	0.987		27.3	38
<b>270</b>	0.982	<b>71.3</b>	27.0	<b>38</b>
275	0.975		26.6	38
280	0.967		26.2	38
285	0.956		25.6	38
290	0.944		25.0	38
295	0.929		24.2	38
<b>300</b>	0.911	<b>71.0</b>	23.2	<b>38</b>
305	0.892		22.3	38
310	0.87		21.2	38
315	0.845		20.0	27
320	0.819		18.8	27
325	0.792		17.6	27
<b>330</b>	0.763	<b>94.8</b>	16.3	<b>27</b>
335	0.735		15.1	27
340	0.706		14.0	27
345	0.679		12.9	13
350	0.654		12.0	13
355	0.63		11.1	13

To determine distances to the present and proposed F(50,50) 1 mV/m service contours, the FCC Audio Division's online "HAAT Calculator" and "FM Propagation Curves" programs were used.

The respective service areas overlap by approximately 2.5 km, as shown in the following plot. This proposal thus qualifies as a minor change in facilities under 47 CFR 74.1233(a).

