

**Educational Media Foundation**  
5700 West Oaks Boulevard  
Rocklin, CA 95765

*Exhibit 1*  
*Albany, NY*

### **Purpose of this Application**

Educational Media Foundation ("EMF") submits this application in response to the filing window for longform auction 83 translator applications. A preclusion study has been done to show that this proposed facility will not preclude future LPFM opportunities.

This application has been studied to determine preclusion to LPFM points. Due to the location of the proposed amended transmitter site being within 39km of a Spectrum Available Market Grid and the existence of the Technical Amendment for this application, a Grid Test is required. The proposed facility meets all minimum distance separation requirements with regard to co-channel, first-, or second-adjacent channel LPFM opportunities as can be seen in the following Grid Test:

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*Albany, NY*

Albany-Schenectady-Troy  
 Latitude 42-39-09  
 Longitude 073-45-24  
 Grid Size 31 x 31  
 Micro FM 100 Watts at 30m HAAT  
 Co-Channel and 1st Adjacent Protected  
 2nd Adjacent Channel Protected  
 3rd Adjacent Channel Not Protected  
 I.F. Not Protected  
 TV Channel 6 Protected  
 CP Records Protected  
 APP Records Protected  
 FM Translators Protected  
 TV Channel 6 Translators/LP Protected  
 Auc83 FX App Records Protected

Chan	Avail								
200	0	220	0	240	0	260	0	280	0
201	0	221	0	241	0	261	12	281	0
202	0	222	0	242	0	262	98	282	0
203	0	223	0	243	0	263	57	283	0
204	0	224	0	244	0	264	0	284	0
205	0	225	67	245	15	265	0	285	0
206	0	226	16	246	105	266	0	286	0
207	0	227	9	247	0	267	0	287	0
208	0	228	0	248	0	268	0	288	0
209	0	229	0	249	6	269	0	289	0
210	0	230	26	250	43	270	0	290	0
211	0	231	19	251	0	271	0	291	0
212	0	232	0	252	0	272	0	292	0
213	0	233	0	253	0	273	0	293	0
214	0	234	0	254	0	274	0	294	0
215	0	235	0	255	169	275	0	295	0
216	0	236	0	256	0	276	0	296	406
217	0	237	0	257	0	277	0	297	0
218	0	238	0	258	0	278	0	298	0
219	0	239	0	259	0	279	0	299	0
								300	0

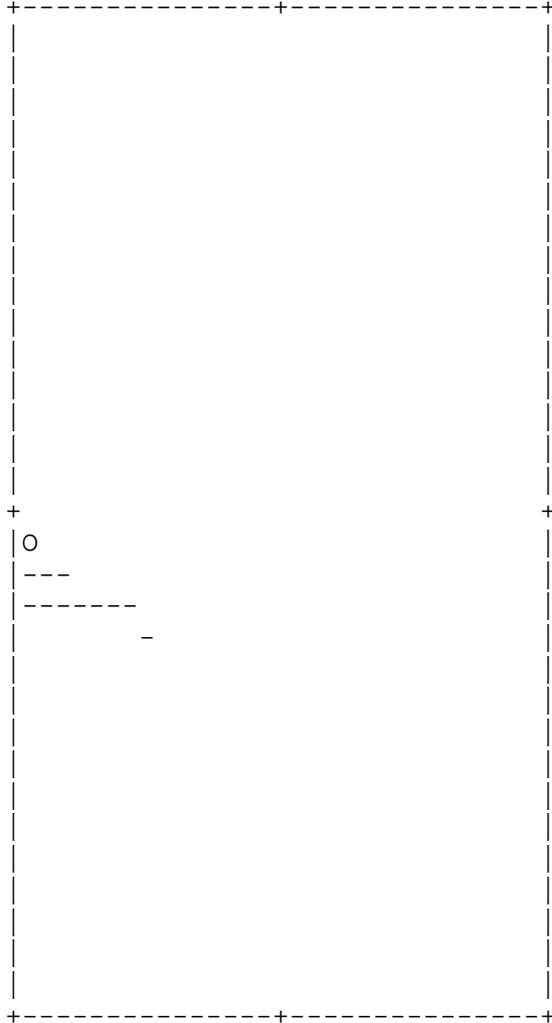
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 Total 1048

Total allotments, least preclusive spacing: 23  
 Total allotments, most preclusive spacing: 17

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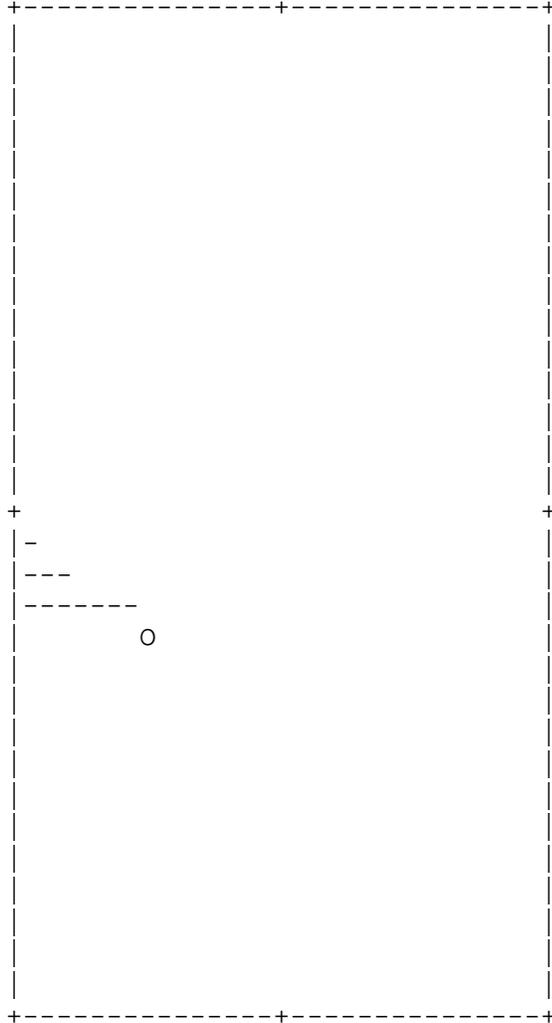
*Exhibit 1*  
*Albany, NY*

Albany-Schenectady-Tro  
Latitude 42-39-09  
Longitude 073-45-24  
Least preclusive siting  
Availability of Channel 261 (X)



Point #945 at 42-38-09 074-00-24

Albany-Schenectady-Tro  
Latitude 42-39-09  
Longitude 073-45-24  
Most preclusive siting  
Availability of Channel 261 (X)

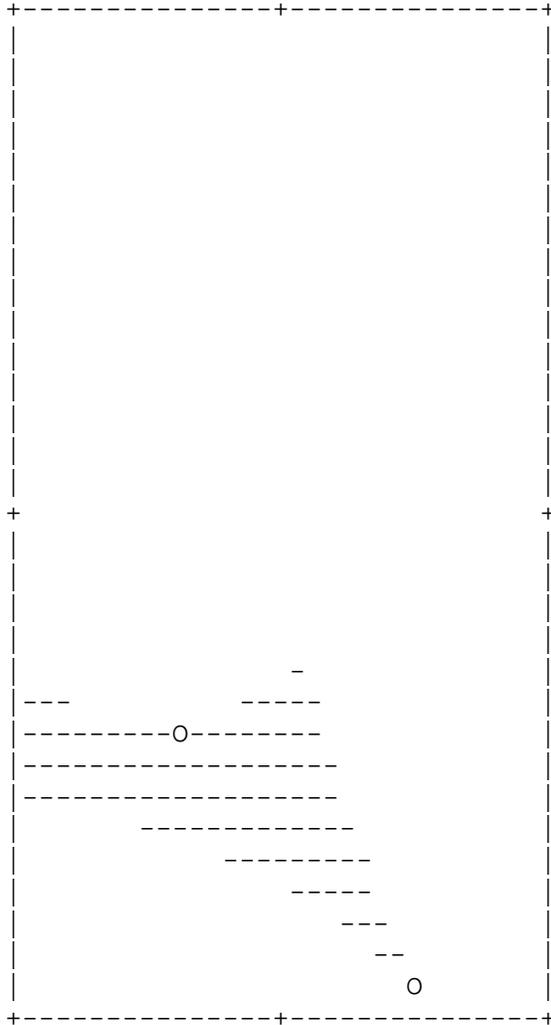


Point #725 at 42-35-09 073-53-24

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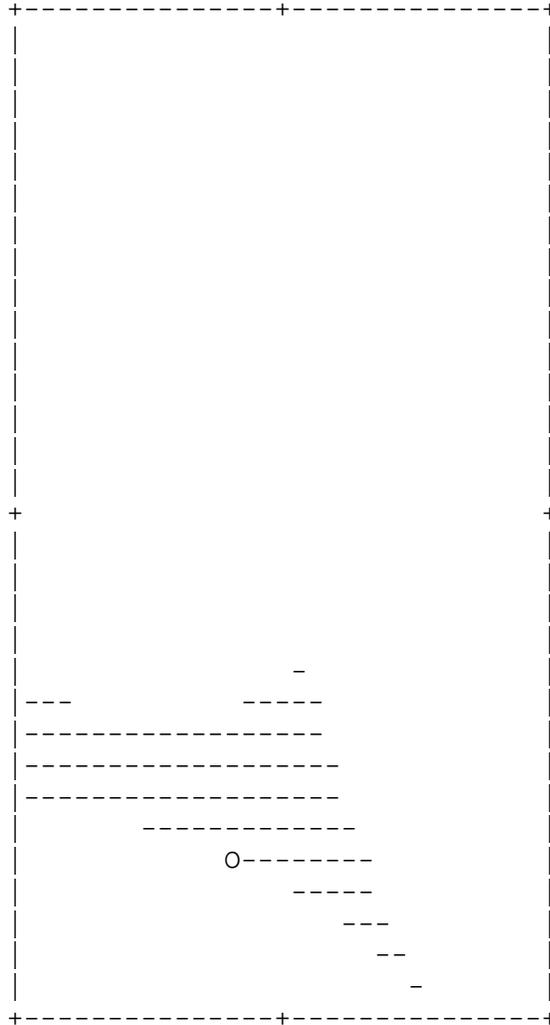
*Exhibit 1*  
*Albany, NY*

Albany-Schenectady-Tro  
Latitude 42-39-09  
Longitude 073-45-24  
Least preclusive siting  
Availability of Channel 262 (X)

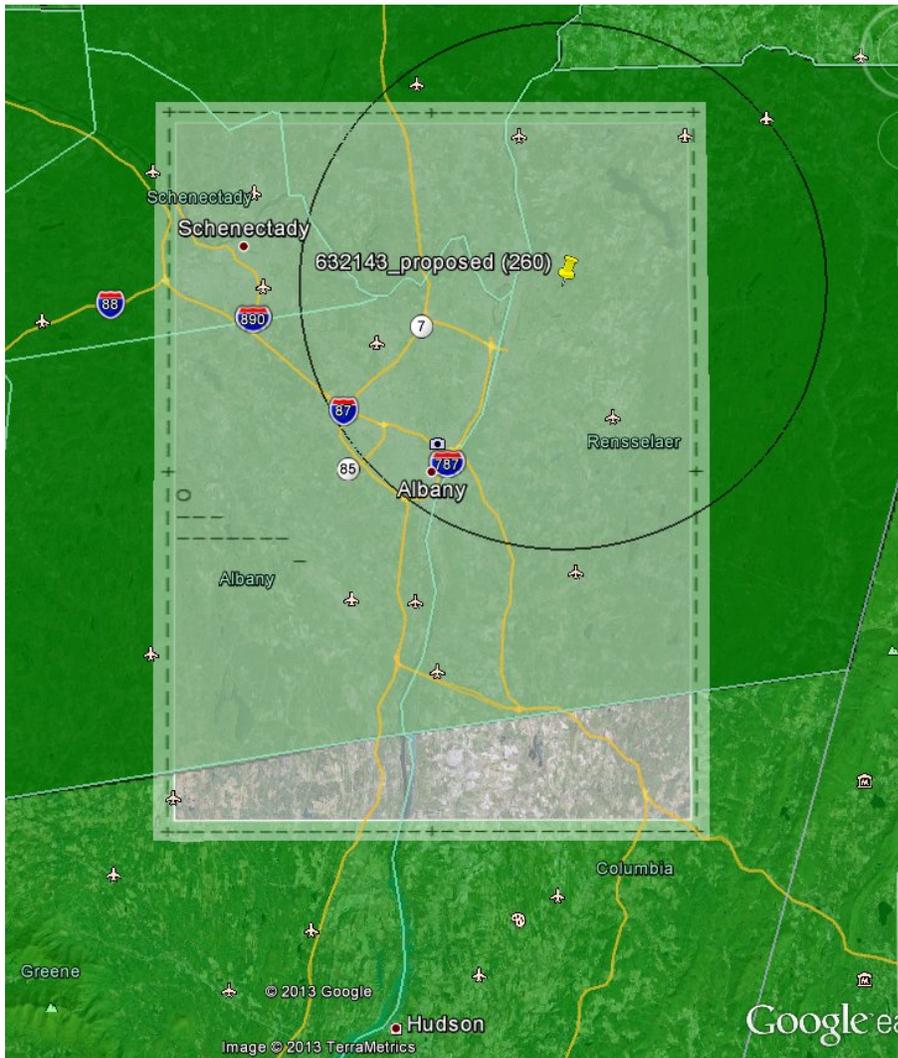


Point #218 at 42-24-09 073-37-24  
Point #660 at 42-32-09 073-51-24

Albany-Schenectady-Tro  
Latitude 42-39-09  
Longitude 073-45-24  
Most preclusive siting  
Availability of Channel 262 (X)



Point #563 at 42-28-09 073-48-24



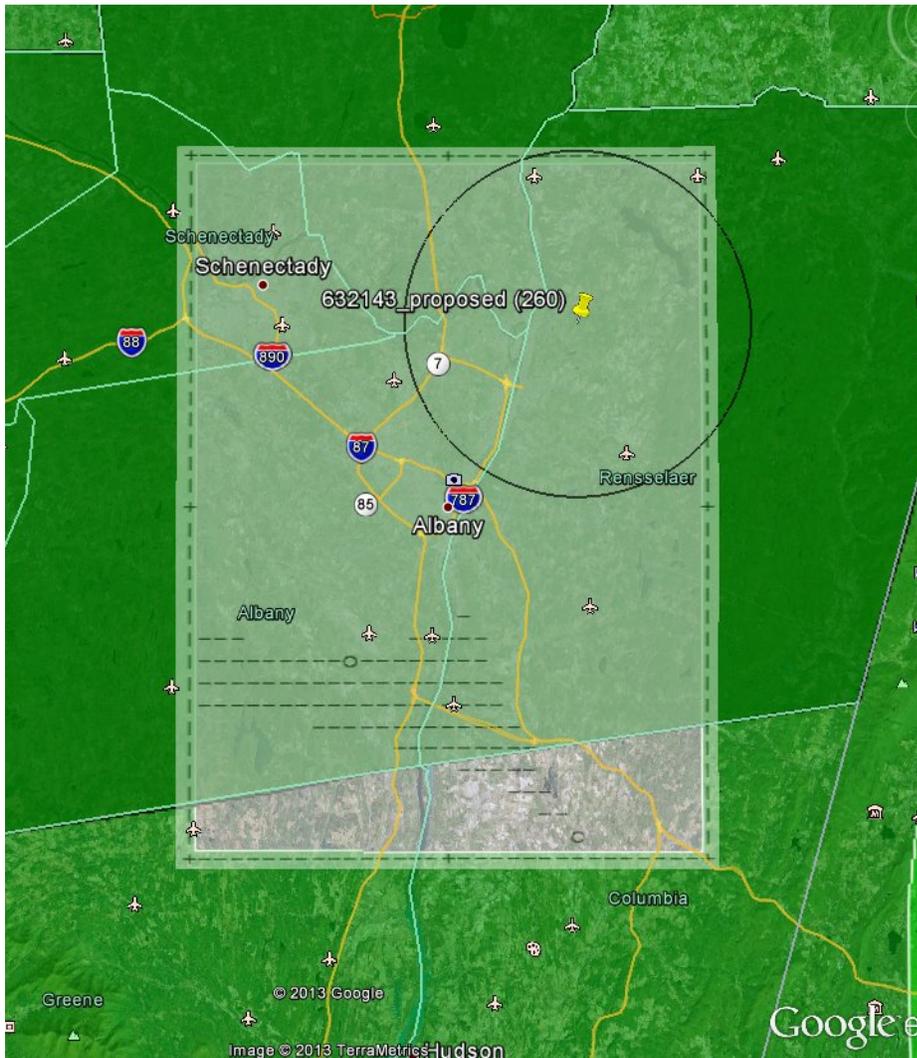
12-radial HAAT is 170.9 m

60 dBu contour distance is 7.587 km

LPFM Protected points for 1<sup>st</sup> Adj Ch 261 are shown aligned to the Albany, NY grid.

The Yellow Tack indicates the proposed transmitter location.

The Black Circle Contour indicates minimum 1<sup>st</sup> Adj protection distance (21 km) to proposed transmitter (per 73.807). No LPFM points are within the minimum distance; therefore the proposed transmitter does not preclude any LPFM opportunities on Ch 261.



12-radial HAAT is 170.9 m

60 dBu contour distance is 7.587 km

LPFM Protected points for 2<sup>nd</sup> Adj Ch 262 are shown aligned to the Albany, NY grid.

The Yellow Tack indicates the proposed transmitter location.

The Black Circle Contour indicates minimum 2<sup>nd</sup> Adj protection distance (14 km) to proposed transmitter (per 73.807). No LPFM points are within the minimum distance; therefore the proposed transmitter does not preclude any LPFM opportunities on Ch 262.