

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

*Exhibit 1*  
*Flint, MI*

### **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 preclusion study consists of a grid test in both the Lansing-East Lansing Arbitron market and the Saginaw-Bay City-Midland Arbitron market. The grid test is included and, as shown in exhibit 1B and 1C, the proposed translator passes that test due to no LPFM points being precluded in either market grid for the proposed channel.

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*Exhibit 1B*  
*Flint, MI*

## Grid Test

### Flint, MI

Latitude 43-00-45  
 Longitude 083-41-17  
 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	Chan	Avail	Chan	Avail	Chan	Avail	Chan	Avail
200	0	220	0	240	0	260	0	280	0
201	0	221	0	241	0	261	3	281	0
202	0	222	0	242	0	262	0	282	0
203	0	223	0	243	0	263	0	283	0
204	0	224	0	244	601	264	0	284	7
205	0	225	0	245	33	265	0	285	0
206	0	226	0	246	0	266	0	286	0
207	0	227	0	247	0	267	0	287	0
208	0	228	0	248	0	268	0	288	0
209	0	229	0	249	0	269	0	289	0
210	0	230	0	250	0	270	17	290	0
211	0	231	38	251	0	271	0	291	0
212	0	232	58	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	0	275	0	295	0
216	0	236	0	256	0	276	0	296	0
217	0	237	0	257	0	277	6	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 763

Total allotments, least preclusive spacing: 14  
 Total allotments, most preclusive spacing: 12

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*Exhibit 1C*  
*City, ST*

## Grid Test

### Saginaw-Bay City-Midland

Latitude 43-25-59  
 Longitude 083-56-19  
 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	Chan	Avail	Chan	Avail	Chan	Avail	Chan	Avail
200	0	220	108	240	0	260	0	280	0
201	0	221	14	241	0	261	0	281	0
202	0	222	56	242	0	262	0	282	0
203	0	223	106	243	0	263	0	283	0
204	0	224	124	244	685	264	0	284	0
205	0	225	0	245	208	265	1	285	28
206	0	226	0	246	0	266	60	286	27
207	0	227	0	247	0	267	38	287	41
208	0	228	0	248	0	268	0	288	0
209	0	229	0	249	0	269	0	289	110
210	0	230	59	250	0	270	268	290	18
211	0	231	27	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	10	274	0	294	7
215	0	235	0	255	6	275	0	295	0
216	0	236	0	256	37	276	114	296	0
217	0	237	0	257	0	277	54	297	0
218	0	238	269	258	0	278	229	298	189
219	0	239	0	259	0	279	8	299	0
								300	0

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 Total 2901

Total allotments, least preclusive spacing: 53  
 Total allotments, most preclusive spacing: 40