

# **Exhibit 1**

## **Preclusion Study Channel 260 BNPFT-20030317LKA Facility ID 156109 Middletown, NY**

**April, 2013**

Charles Williamson, applicant for a translator station on Channel 260 at Middletown, PA herein submits this Preclusion Study in accordance with the Public Notice DA 13-247 of March 14, 2013.

This proposed facility is not within any Spectrum Limited Grid, however it lies within 39km of the grid of the Newburgh-Middletown NY (Mid Hudson Valley) Spectrum Limited market (Market # 39). Further, this proposal is specifying a different transmitter location. A Transmitter Site Test was performed using the FCC's LPFM Channel Finder tool, as well as other available allocation tools. The results of these particular tests conclusively determine that no LPFM facility can be licensed at the transmitter site specified by this proposal. As such, operation of this proposed facility at this transmitter site will not preclude any LPFM facility.

The Preclusion Study uses the FCC's LPFM Grid Tool with current data. The following criterion applies when analyzing this proposal:

1. Protect all authorizations and applications on co-channel and first adjacent channels.
2. Ignore second adjacent and IF Requirements
3. Protect existing TV Channel 6
4. Protect existing CP and APP Records
5. Protect existing FM Translators
6. Protect existing TV Channel 6 Translators and LP
7. Ignore all Auction 83 applications.

The Preclusion Study shows that there are thirteen LPFM channels that can exist within the Newburgh-Middletown, NY Grid. These channels include 229, 230, 240, 2266, 272, 278, 280, 281, 282, 286, 287, 294, and 299. As demonstrated, the subject channel of 260 is not included and as such no preclusion to these future possible proposals exists. There are no available grid points for an LPFM station on channel

260, or its first or second adjacent channels. This proposed facility will have no effect on any LPFM facilities that may operate in the Newburgh-Middletown, NY grid.

The details of the LPFM Grid Tool are contained below. The subject channel is highlighted in green. The first and second adjacent channels are highlighted in yellow. The channels determined to be available within the grid are highlighted red.

Newburgh-Middletown, NY  
 Latitude 41-30-12  
 Longitude 074-00-39  
 Grid Size 31 x 31  
 Micro FM 100 Watts at 30m HAAT  
 Co-Channel and 1st Adjacent Protected  
 2nd Adjacent Channel Not 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 Not Protected

Chan	Avail	Chan	Avail	Chan	Avail	Chan	Avail	Chan	Avail
200	0	220	0	240	5	260	0	280	15
201	0	221	0	241	0	261	0	281	52
202	0	222	0	242	0	262	0	282	11
203	0	223	0	243	0	263	0	283	0
204	0	224	0	244	0	264	0	284	0
205	0	225	0	245	0	265	0	285	0
206	0	226	0	246	0	266	11	286	11
207	0	227	0	247	0	267	0	287	5
208	0	228	0	248	0	268	0	288	0
209	0	229	26	249	0	269	0	289	0
210	0	230	11	250	0	270	0	290	0
211	0	231	0	251	0	271	0	291	0
212	0	232	0	252	0	272	1	292	0
213	0	233	0	253	0	273	0	293	0
214	0	234	0	254	0	274	0	294	2
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	0	297	0
218	0	238	0	258	0	278	5	298	0
219	0	239	0	259	0	279	0	299	14
								300	0

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 Total 169

Total allotments, least preclusive spacing: 12  
 Total allotments, most preclusive spacing: 11



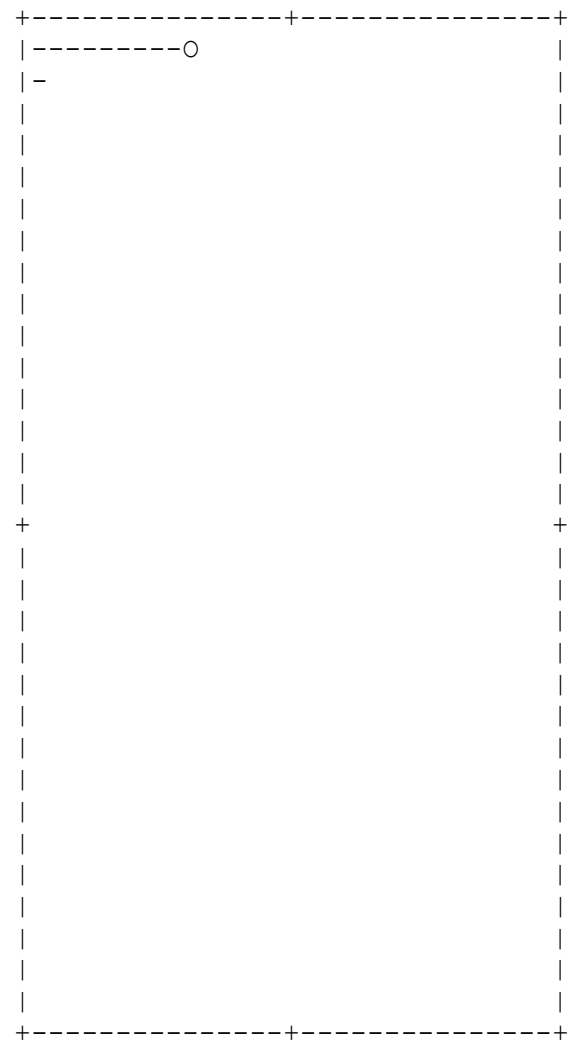
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Least preclusive siting

Availability of Channel 230 (X)



Point #682 at 41-45-12 074-06-39

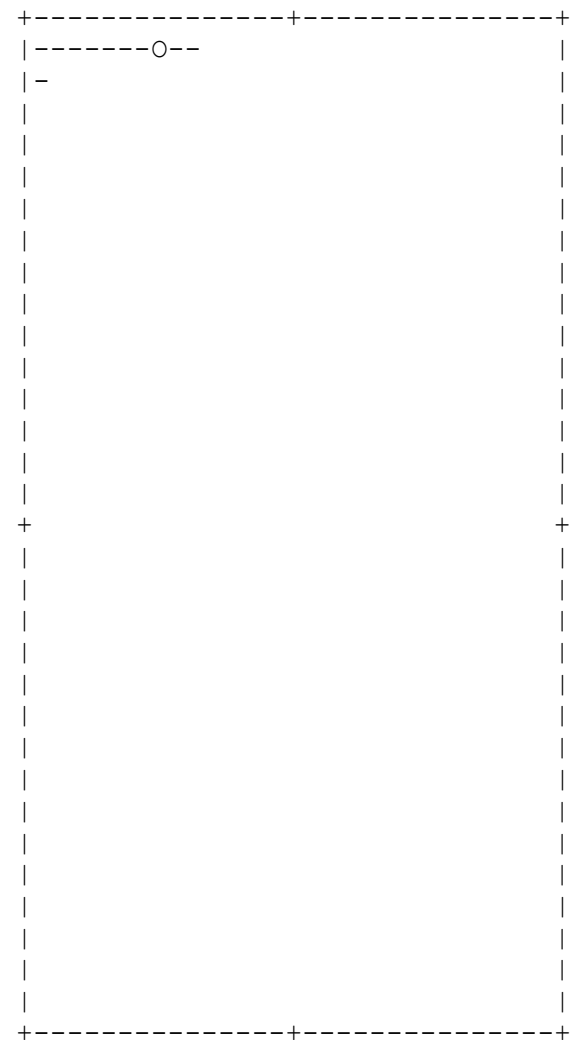
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Most preclusive siting

Availability of Channel 230 (X)



Point #744 at 41-45-12 074-08-39

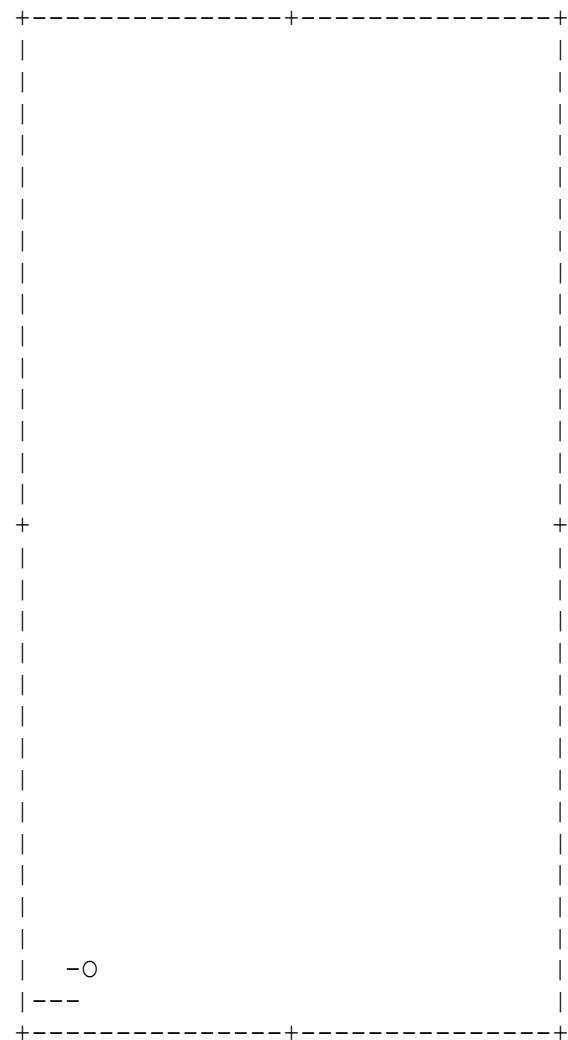
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Least preclusive siting

Availability of Channel 240 (X)



Point #839 at 41-16-12 074-12-39

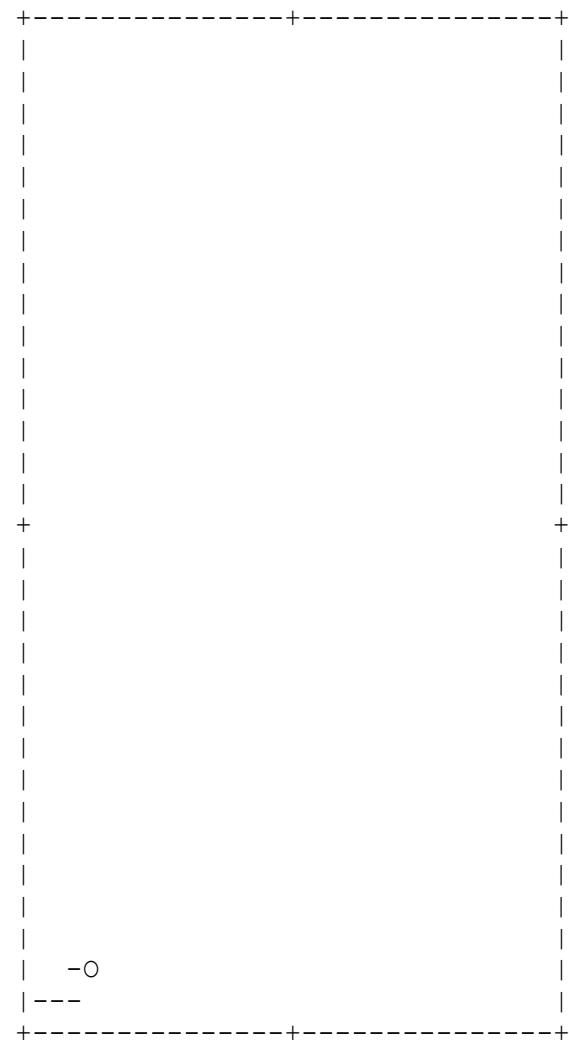
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Most preclusive siting

Availability of Channel 240 (X)



Point #839 at 41-16-12 074-12-39

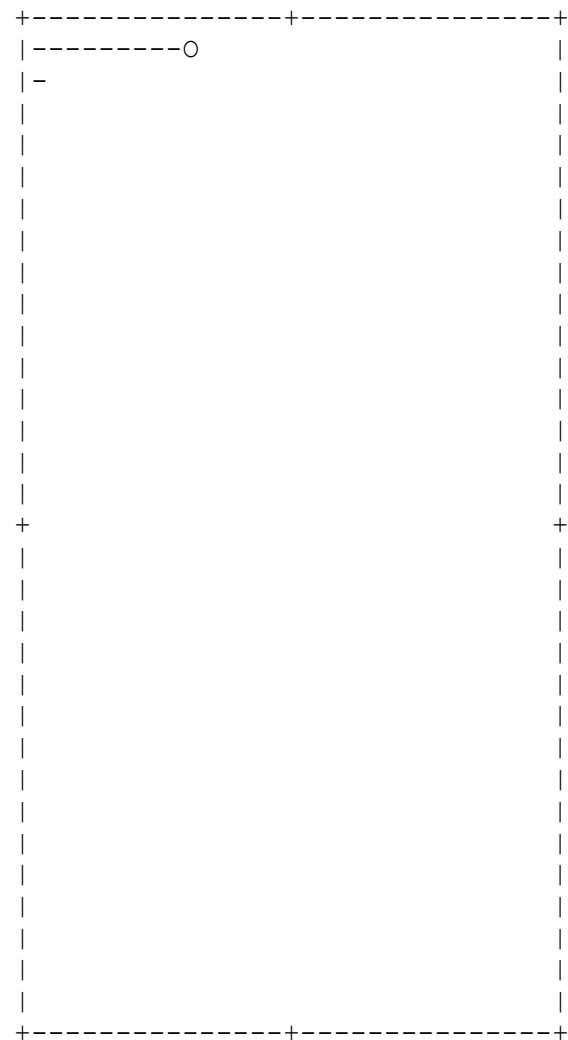
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Least preclusive siting

Availability of Channel 266 (X)



Point #682 at 41-45-12 074-06-39

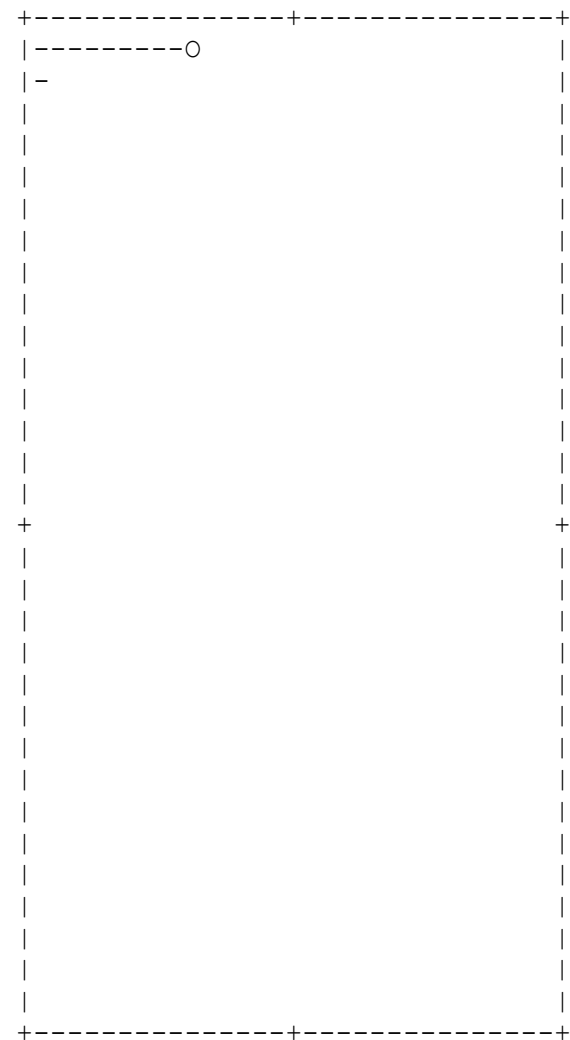
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Most preclusive siting

Availability of Channel 266 (X)



Point #682 at 41-45-12 074-06-39

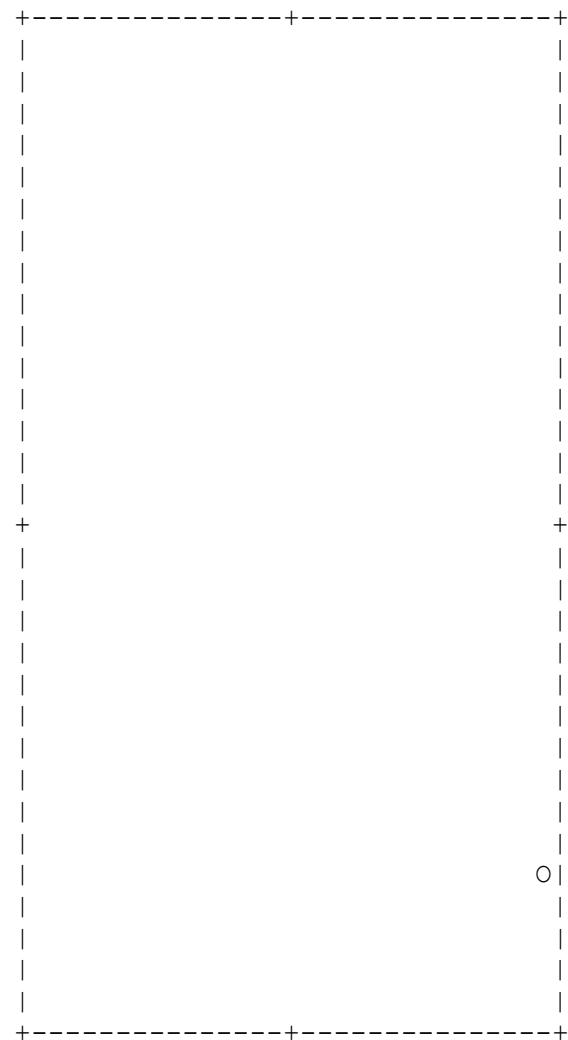
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Least preclusive siting

Availability of Channel 272 (X)



Point #005 at 41-19-12 073-45-39

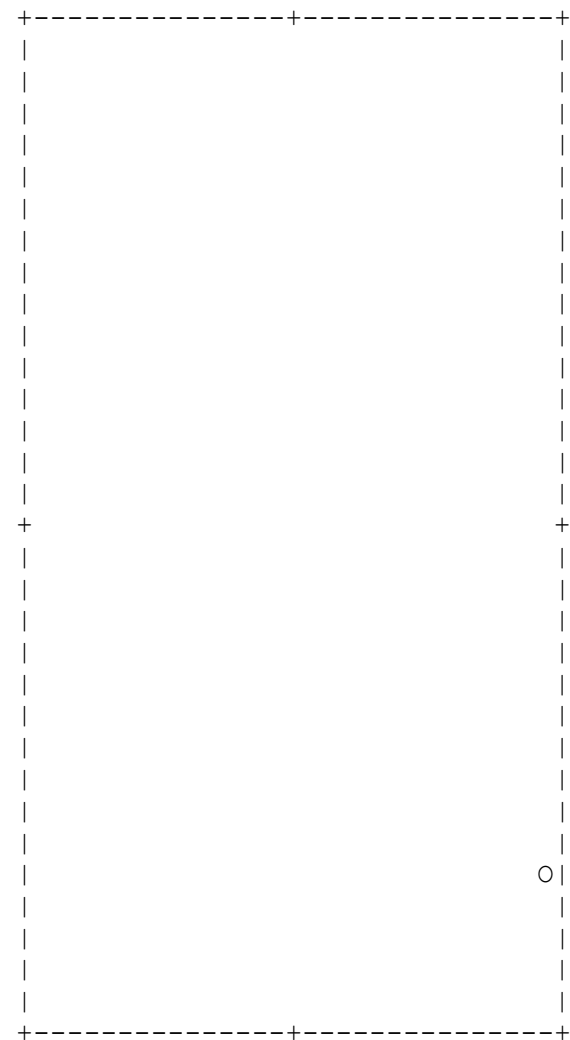
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Most preclusive siting

Availability of Channel 272 (X)



Point #005 at 41-19-12 073-45-39





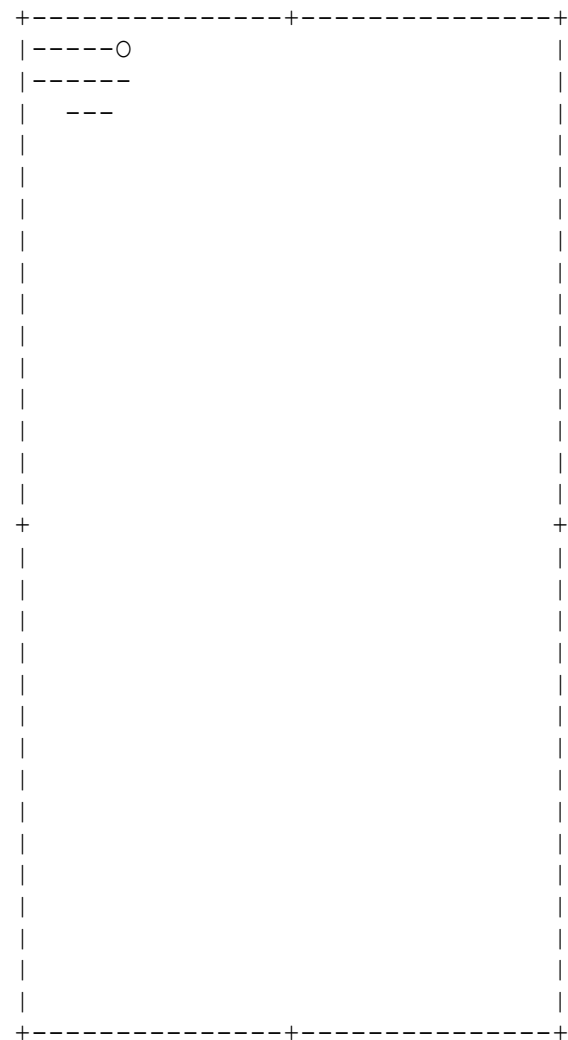
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Least preclusive siting

Availability of Channel 280 (X)



Point #806 at 41-45-12 074-10-39

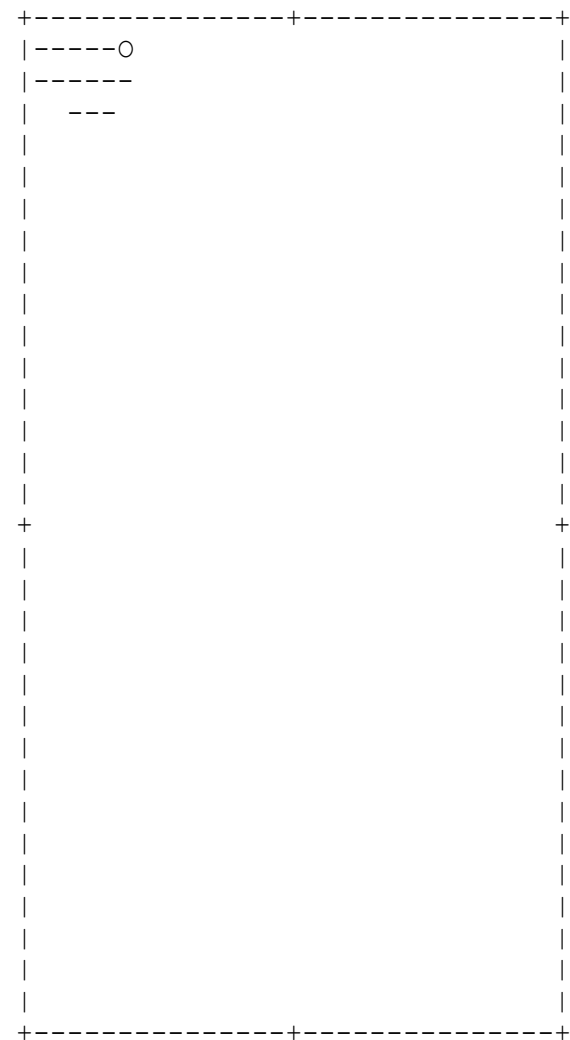
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Most preclusive siting

Availability of Channel 280 (X)



Point #806 at 41-45-12 074-10-39

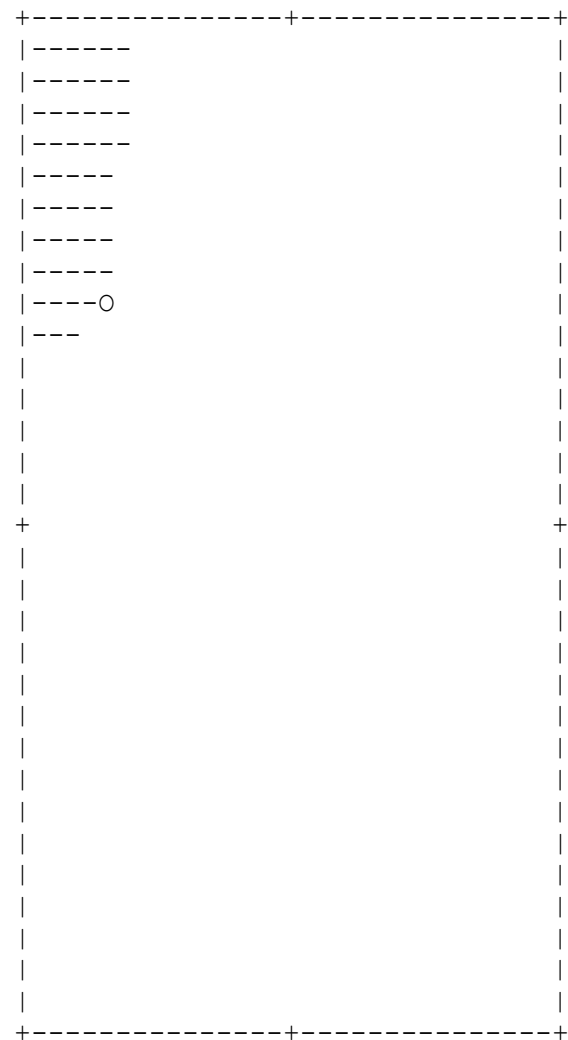
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Least preclusive siting

Availability of Channel 281 (X)



Point #829 at 41-37-12 074-11-39

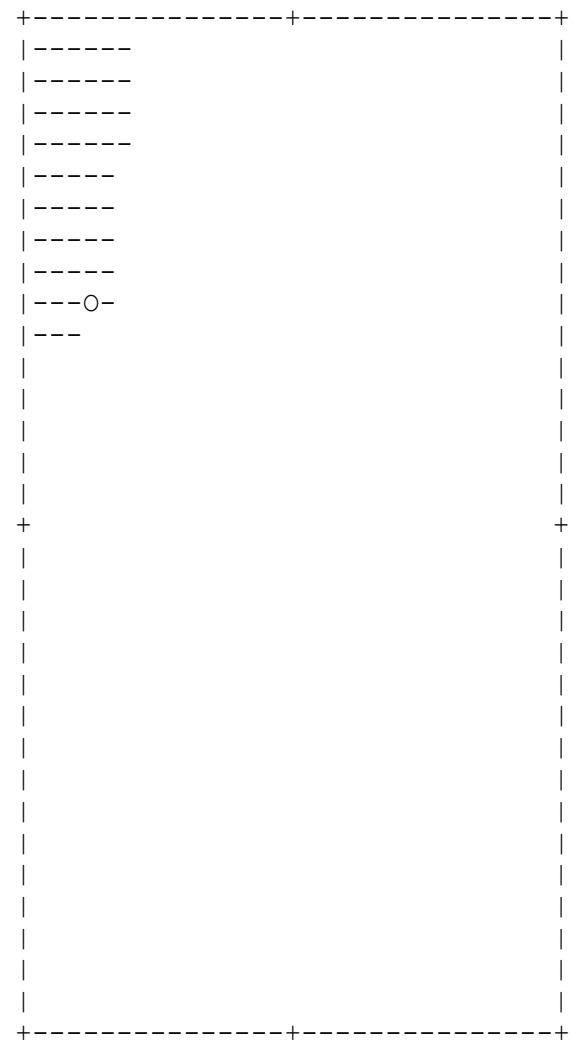
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Most preclusive siting

Availability of Channel 281 (X)



Point #860 at 41-37-12 074-12-39

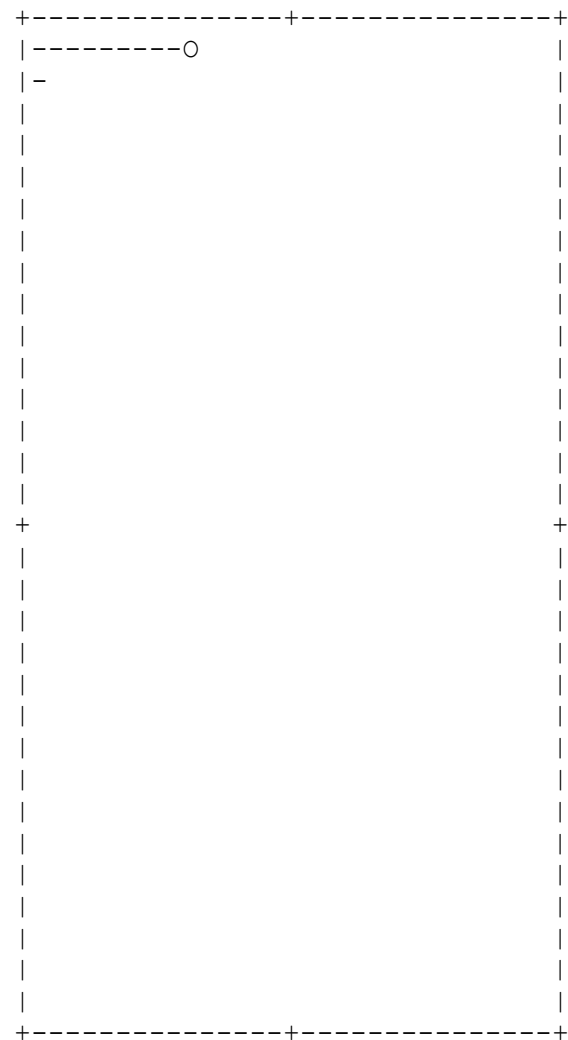
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Least preclusive siting

Availability of Channel 282 (X)



Point #682 at 41-45-12 074-06-39

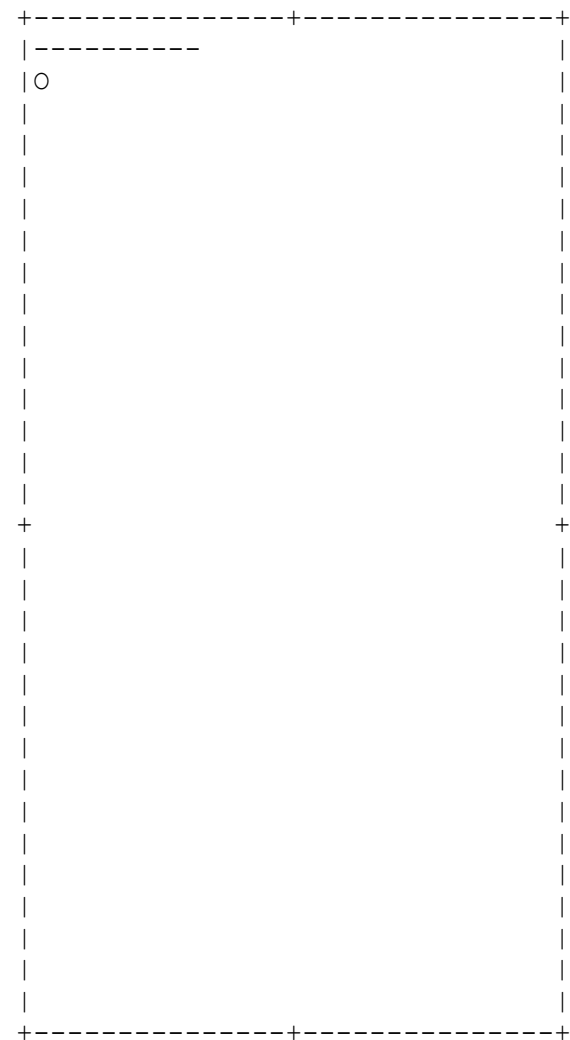
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Most preclusive siting

Availability of Channel 282 (X)



Point #960 at 41-44-12 074-15-39







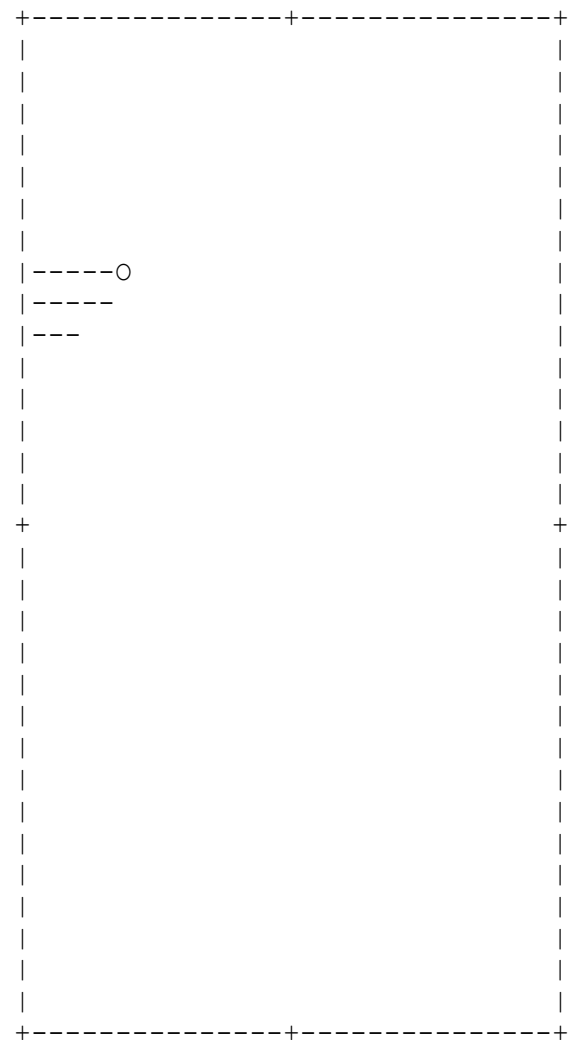
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Least preclusive siting

Availability of Channel 299 (X)



Point #799 at 41-38-12 074-10-39

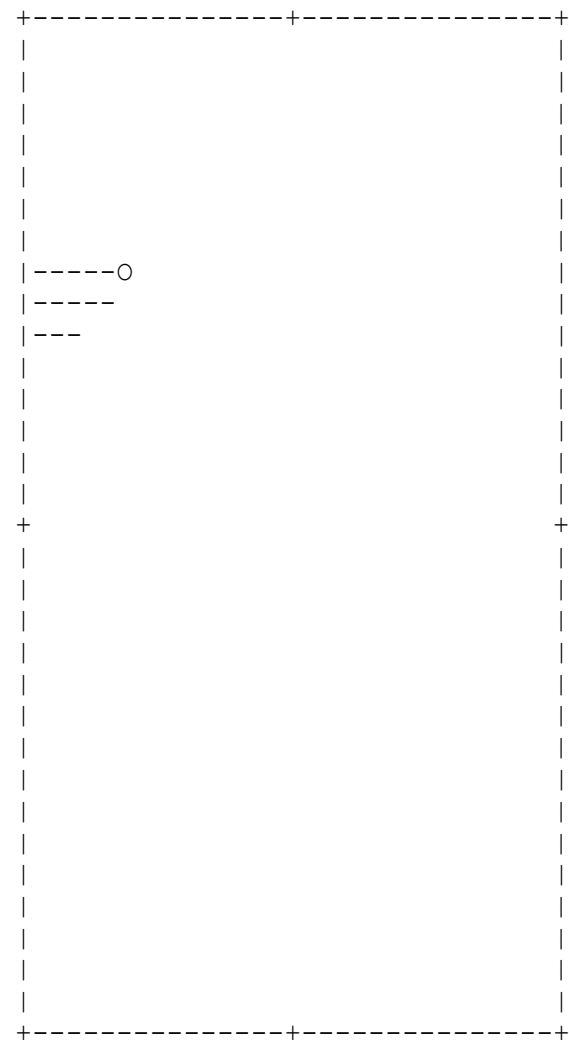
Newburgh-Middletown, NY

Latitude 41-30-12

Longitude 074-00-39

Most preclusive siting

Availability of Channel 299 (X)



Point #799 at 41-38-12 074-10-39