

# **Exhibit 1**

## **Preclusion Study Channel 290 BNPFT-20030317LEA Facility ID 156264 Milford, PA**

**April, 2013**

Charles Williamson, applicant for a translator station on Channel 290 at Milford, 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 Morristown, NJ Spectrum Limited market (Market # 117). 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 five channels that can exist within the Morristown Grid. These channels include 232, 240, 248, 272 and 300. As demonstrated, the subject channel of 290 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 290, or its first or second adjacent channels. This proposed facility will have no effect on any LPFM facilities that may operate in the Morristown, NJ grid.

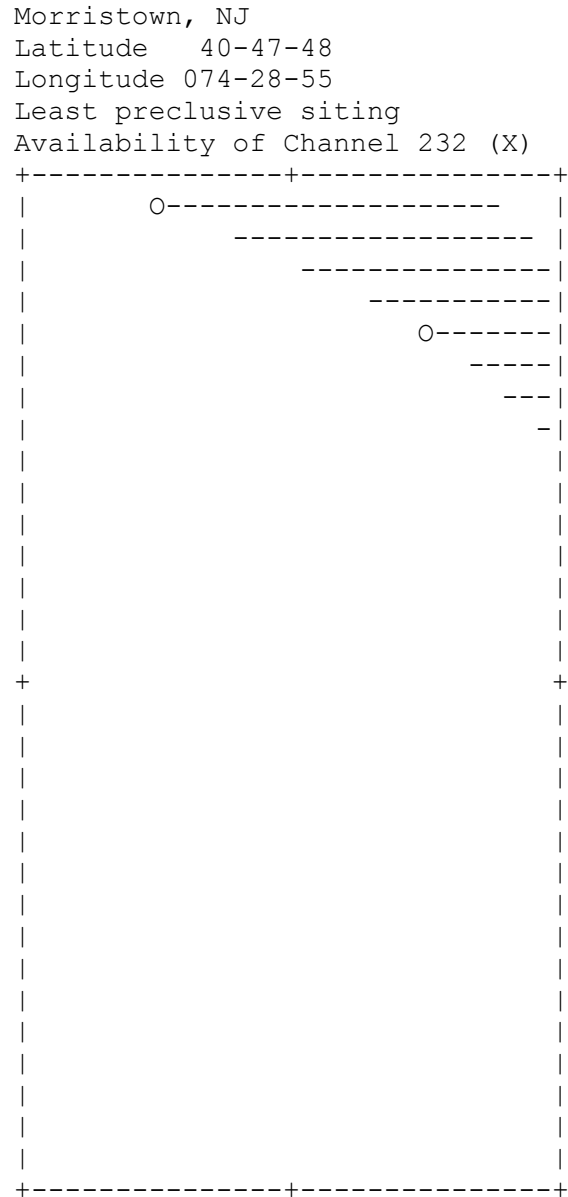
The details of the LPFM Grid Tool are contained below. The subject channel is highlighted in green. The first and second adjacent channels are highlighted in yellow. The channels determined to be available within the grid are highlighted red.

Morristown, NJ  
 Latitude 40-47-48  
 Longitude 074-28-55  
 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

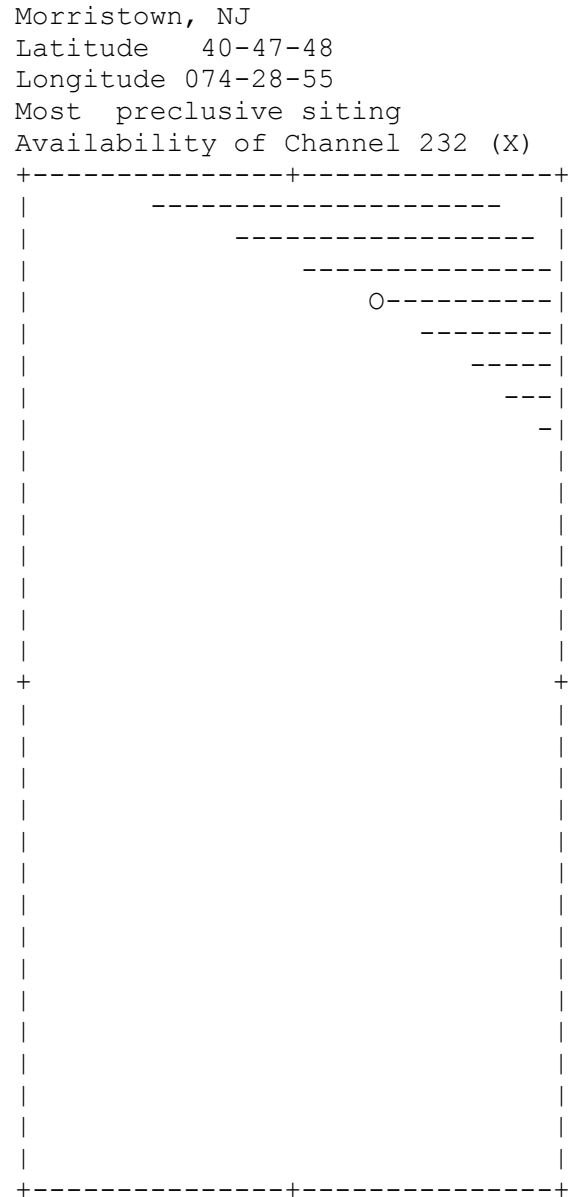
Chan	Avail	Chan	Avail	Chan	Avail	Chan	Avail	Chan	Avail
200	0	220	0	240	140	260	0	280	0
201	0	221	0	241	0	261	0	281	0
202	0	222	0	242	0	262	0	282	0
203	0	223	0	243	0	263	0	283	0
204	0	224	0	244	0	264	0	284	0
205	0	225	0	245	0	265	0	285	0
206	0	226	0	246	0	266	0	286	0
207	0	227	0	247	0	267	0	287	0
208	0	228	0	248	132	268	0	288	0
209	0	229	0	249	0	269	0	289	0
210	0	230	0	250	0	270	0	290	0
211	0	231	0	251	0	271	0	291	0
212	0	232	82	252	0	272	13	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	0	297	0
218	0	238	0	258	0	278	0	298	0
219	0	239	0	259	0	279	0	299	0
								300	483

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 Total 850

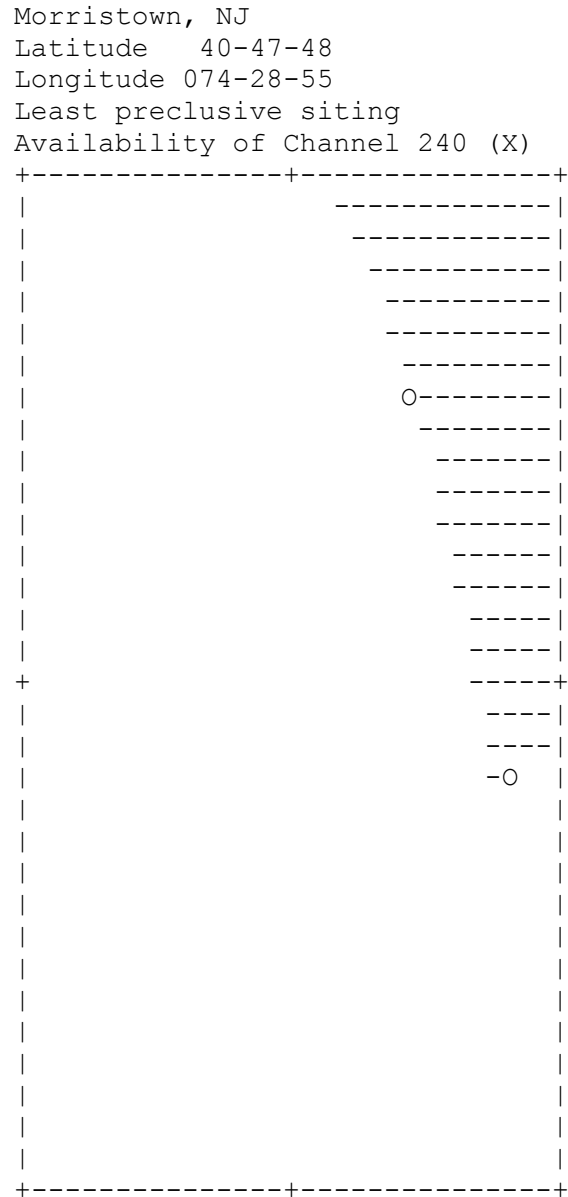
Total allotments, least preclusive spacing: 12  
 Total allotments, most preclusive spacing: 8



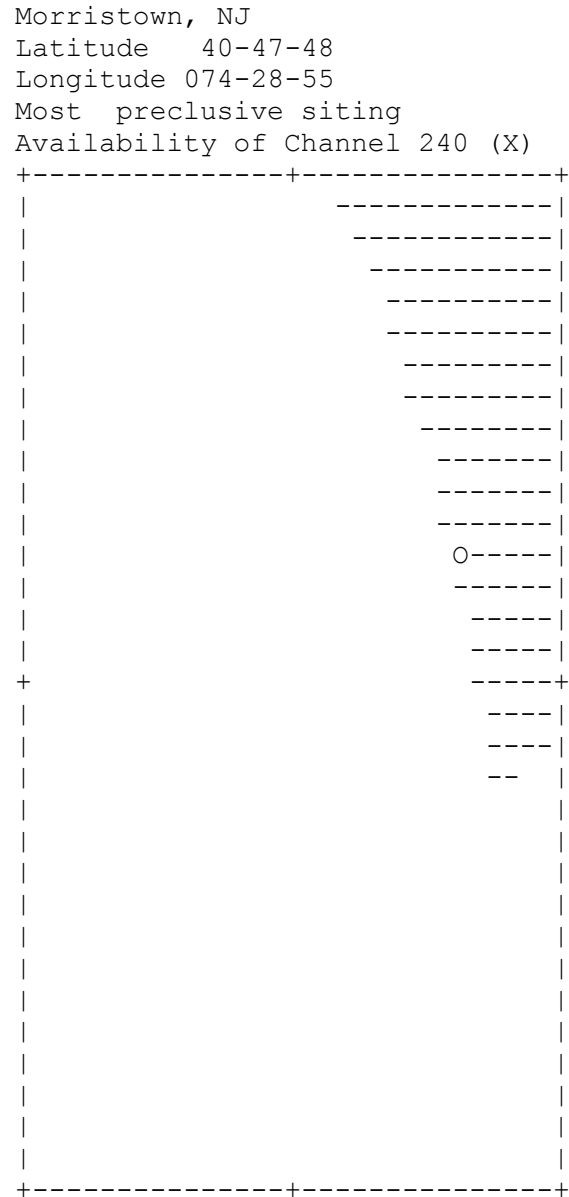
Point #744 at 41-02-48 074-36-55  
Point #244 at 40-58-48 074-20-55



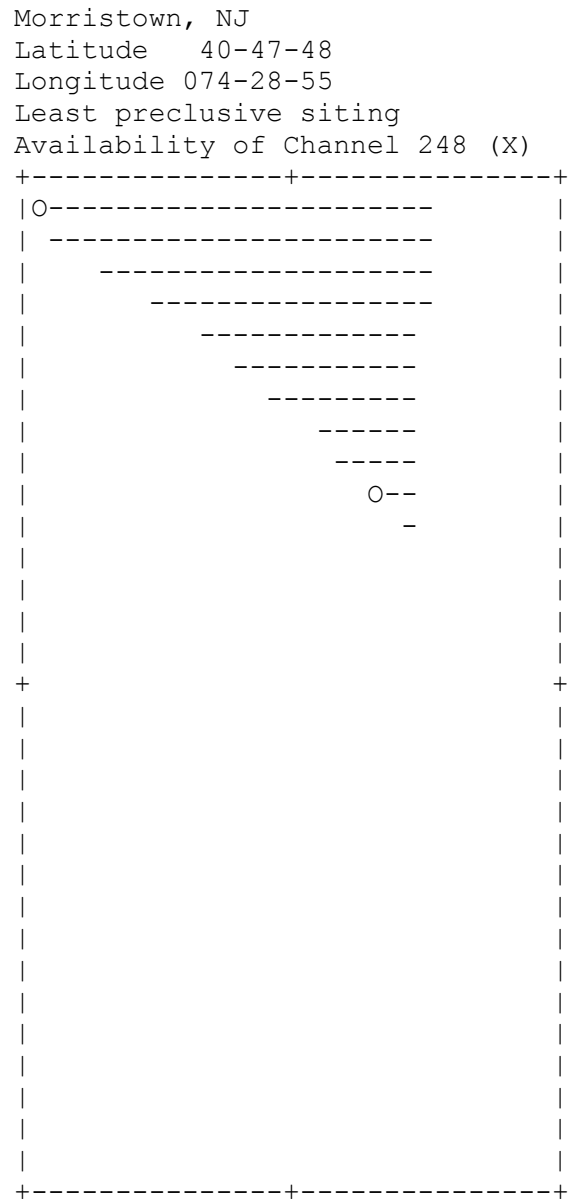
Point #338 at 40-59-48 074-23-55



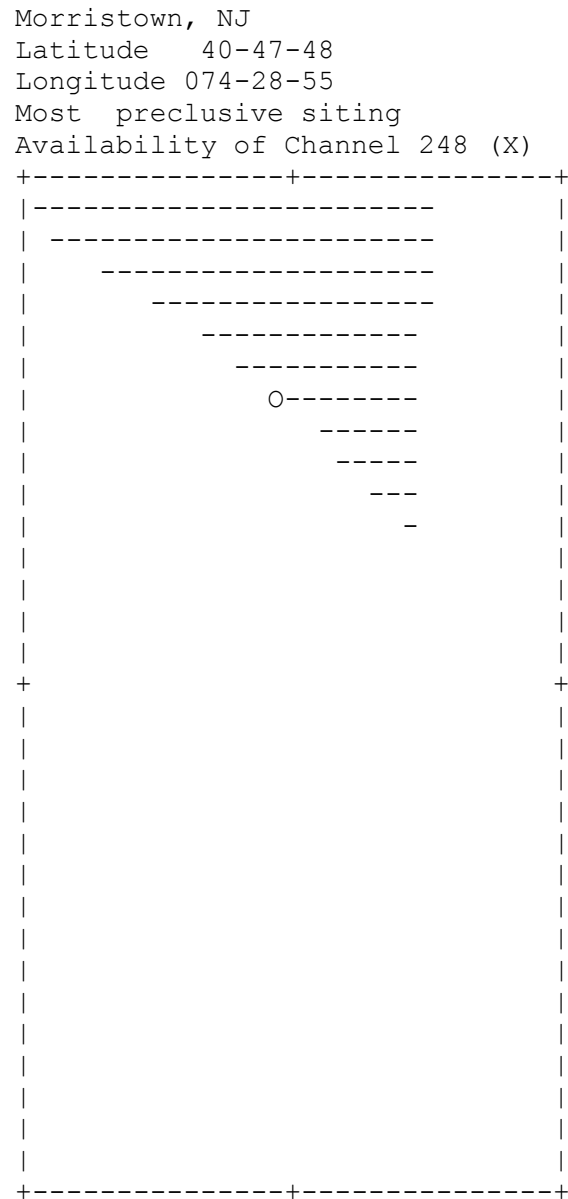
Point #075 at 40-44-48 074-15-55  
Point #273 at 40-56-48 074-21-55



Point #175 at 40-51-48 074-18-55

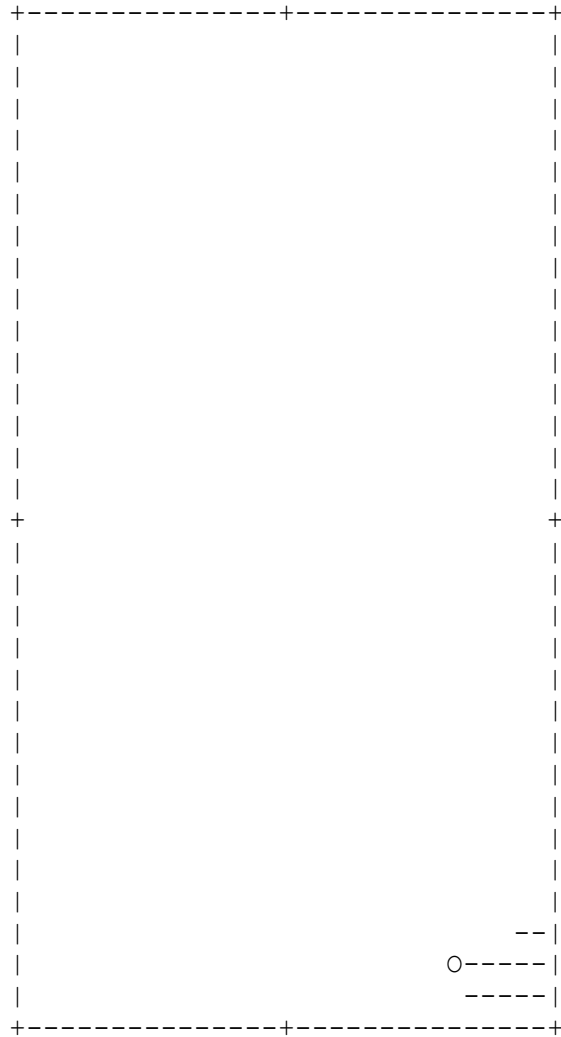


Point #961 at 41-02-48 074-43-55  
Point #332 at 40-53-48 074-23-55



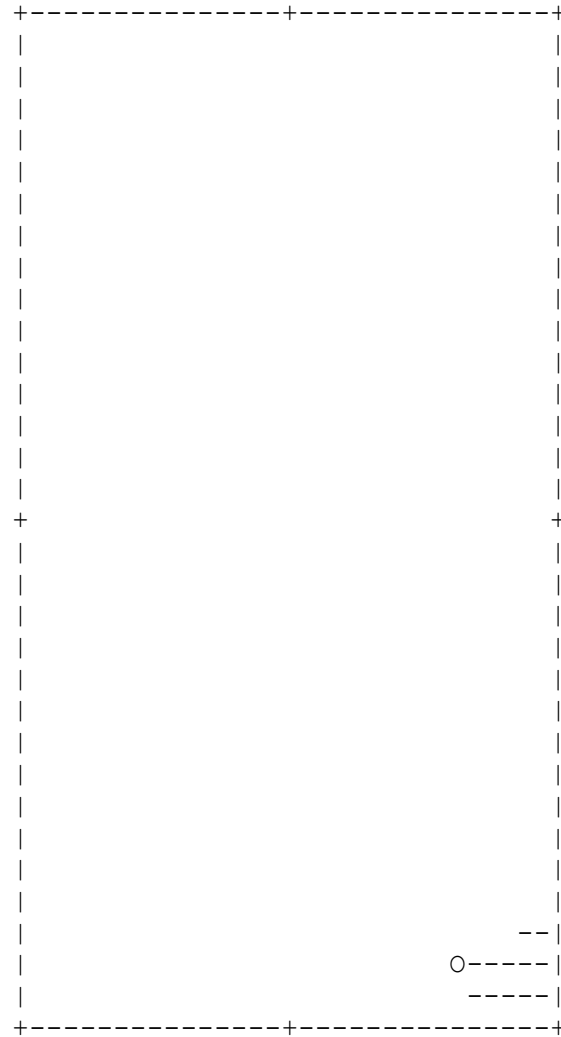
Point #521 at 40-56-48 074-29-55

Morristown, NJ  
Latitude 40-47-48  
Longitude 074-28-55  
Least preclusive siting  
Availability of Channel 272 (X)

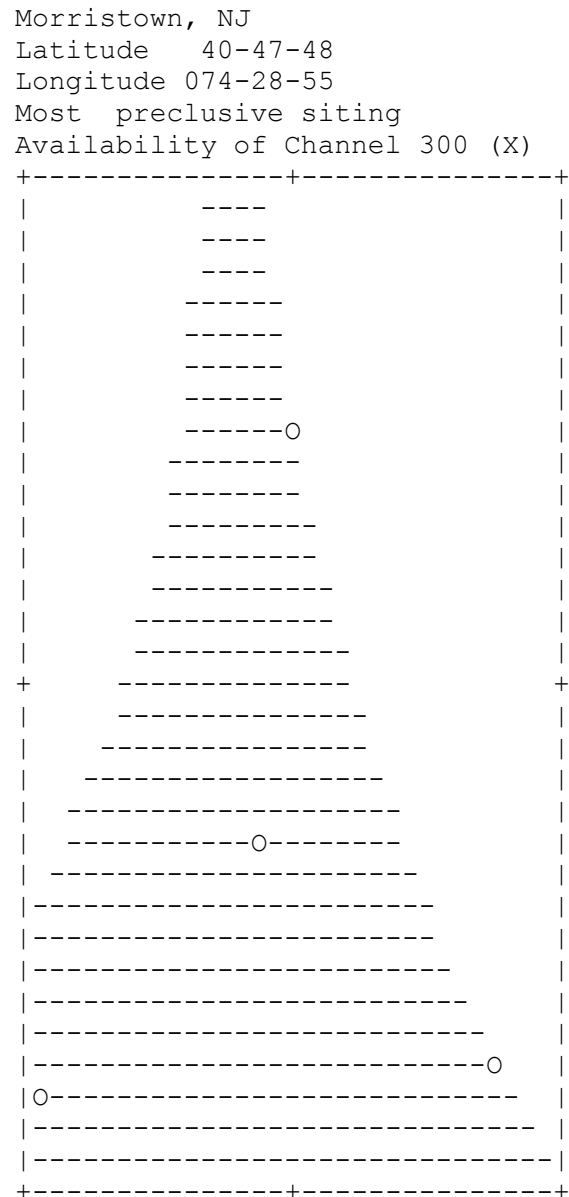
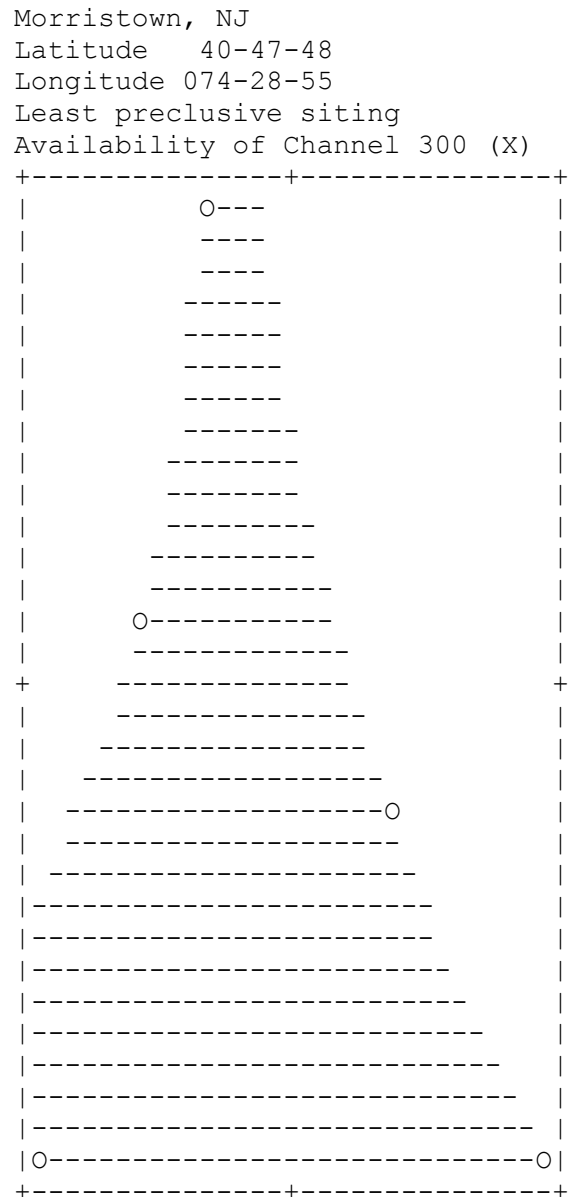


Point #157 at 40-33-48 074-18-55

Morristown, NJ  
Latitude 40-47-48  
Longitude 074-28-55  
Most preclusive siting  
Availability of Channel 272 (X)



Point #157 at 40-33-48 074-18-55



Point #651 at 41-02-48 074-33-55  
Point #001 at 40-32-48 074-13-55  
Point #931 at 40-32-48 074-43-55  
Point #291 at 40-43-48 074-22-55  
Point #762 at 40-49-48 074-37-55

Point #538 at 40-42-48 074-30-55  
Point #489 at 40-55-48 074-28-55  
Point #097 at 40-35-48 074-16-55  
Point #933 at 40-34-48 074-43-55