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ENGINEERING REPORT

Isla Vista, CA, Channel 281D FM Translator Application

EXHIBIT 1: LPFM PRECLUSION STUDY

Gold Coast Broadcasting, LLC ("Applicant") submits this technical minor amendment for its pending 2003 application for a new FM translator station at Isla Vista, CA. The pending application file number is BNPFT-20030317HEH.

Note that this proposal is for an oil platform site off the main California coast. This filing includes a change to a directional antenna with a channel displacement from 279 to 281. This Exhibit 1 addresses only the LPFM Preclusion Study requirements of the technical amendment. (The other technical requirements of this amendment are address in a separate document of this on-line filing.)

LPFM PRECLUSION STUDY RESULTS

This Engineering Report demonstrates that this application meet the FCC's requirements for this Auction 83 FM translator pursuant to *Creation of a Low Power FM Service, Amendment of Service Rules and Eligibility Rules for FM Broadcast Translator Stations*, Fifth Order on Reconsideration and Sixth Report and Order, FCC 12-144 (re;. December 4, 2012) ("Fifth Order on Reconsideration"). Additionally, the FCC's LPFM spectrum availability program, http://www.fcc.gov/Bureaus/MB/Databases/source_code/lpfm6.20121206.zip ("LPFM6"), is used as support for this Engineering Report.

An LPFM Preclusion Study is required by this application (based on the location of the herein proposed transmitter site) to the following *Spectrum Limited* Arbitron Metro Market:

Santa Barbara, CA –

Mrkt # 218; 20 min. grid centered at N 34-25-24 W 119-42-12 (d,m,s; NAD 27).

Note that there are no *Spectrum Available* Metro Markets located within 39 kilometers of the proposed transmitter site.

Metro Area Preclusion Study Results

Figure 1, attached, is the complete LPFM6 output file for the Santa Barbara Metro Market with the study centered at the grid center.

From Figure 1 it is shown that zero channels are available within the 20-minute Grid for future LPFM on the lower first adjacent channel of the herein proposed FM translator (channel 280).

From Figure 1 it is also shown that zero channels are available within 26 kilometers of the proposed transmitter site for future LPFM on the same channel as the herein proposed FM translator. (Pursuant to Section 73.807c, since the proposed 60 dBu F50,50 service contour extends only 7.1 kilometers at its greatest distance, the spacing requirement from a future co-channel LPFM must be separated by 26 km.) The nearest available LPFM channel/point for channel 281 is at N 34-25-24 W 119-34-12 and is located 31.1 km from the proposed transmitter site.

From Figure 1 it is also shown that zero channels are available within 15 kilometers of the proposed transmitter site (when rounded to the nearest kilometer) for future LPFM on the upper first-adjacent channel (282). (Pursuant to Section 73.807c, since the proposed 60 dBu F50,50 service contour extends only 7.1 kilometers at its greatest distance, the spacing requirement from a future first adjacent-channel LPFM must be separated by 15 km.) The nearest available LPFM channel/point for channel 282 is at N 34-24-24 W 119-44-12 and is located 15.6 km from the proposed transmitter site.

As required by the Fifth Order on Reconsideration, this FM translator will not preclude the future use of a LPFM application from a potential LPFM channel/point located within the 20-minute Santa Barbara Grid.

Transmitter Site Test Study Results

This study proposes a site that is not located within a Top-50 Spectrum Limited Market and is generally not required. A *Transmitter Site Test* was made out of an abundance of caution and is submitted below showing that the study passes the test.

Figure 2, attached, is the complete LPFM6 output file for a study centered at the herein proposed translator site. From this site, the center location is shown to be available for future LPFM on channels 222, 223, 231, 246, 250, 258, 266, 267 and 271.

Therefore, since at least one channel exists for future LPFM at the proposed transmitter site, the transmitter site test for this application is successfully passed.

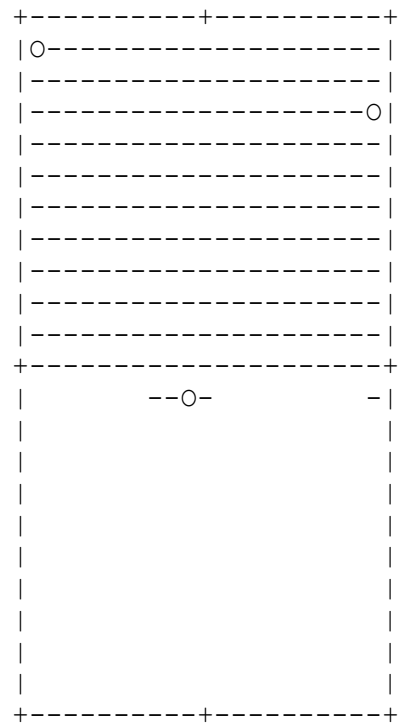
FIGURE 1 (13 Pages)

Santa Barbara, CA
 Latitude 34-25-24
 Longitude 119-42-12
 Grid Size 21 x 21
 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

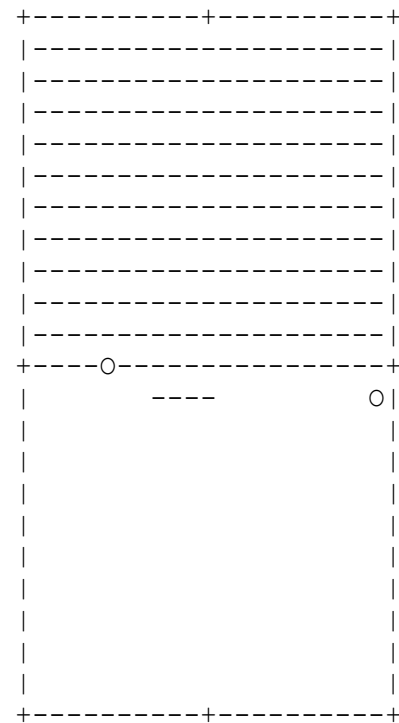
| Chan | Avail | Chan | Avail | Chan | Avail | Chan | Avail | Chan | Avail |
|-------|-------|------|-------|------|-------|------|-------|------|-------|
| 200 | 0 | 220 | 0 | 240 | 0 | 260 | 0 | 280 | 0 |
| 201 | 0 | 221 | 0 | 241 | 0 | 261 | 0 | 281 | 13 |
| 202 | 0 | 222 | 236 | 242 | 80 | 262 | 13 | 282 | 114 |
| 203 | 0 | 223 | 235 | 243 | 69 | 263 | 0 | 283 | 0 |
| 204 | 0 | 224 | 0 | 244 | 0 | 264 | 0 | 284 | 0 |
| 205 | 0 | 225 | 0 | 245 | 51 | 265 | 0 | 285 | 0 |
| 206 | 0 | 226 | 0 | 246 | 236 | 266 | 236 | 286 | 13 |
| 207 | 0 | 227 | 8 | 247 | 0 | 267 | 235 | 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 | 236 | 270 | 0 | 290 | 0 |
| 211 | 0 | 231 | 236 | 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 | 9 |
| 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 | 114 | 258 | 205 | 278 | 0 | 298 | 0 |
| 219 | 0 | 239 | 0 | 259 | 0 | 279 | 1 | 299 | 0 |
| | | | | | | | | 300 | 0 |
| ----- | | | | | | | | | |
| Total | 2340 | | | | | | | | |

Total allotments, least preclusive spacing: 37
 Total allotments, most preclusive spacing: 22
 Santa Barbara, CA Santa Barbara, CA
 Latitude 34-25-24 Latitude 34-25-24

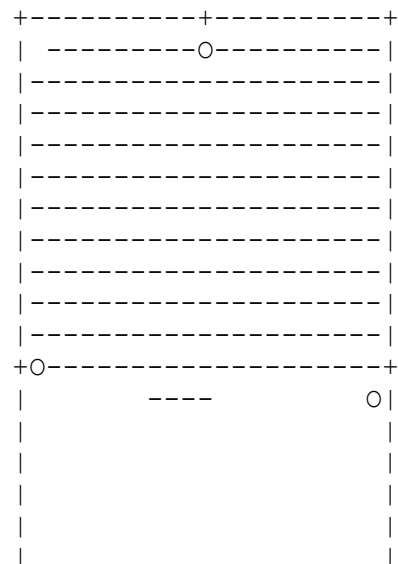
Longitude 119-42-12
Least preclusive siting
Availability of Channel 222 (X)



Longitude 119-42-12
Most preclusive siting
Availability of Channel 222 (X)

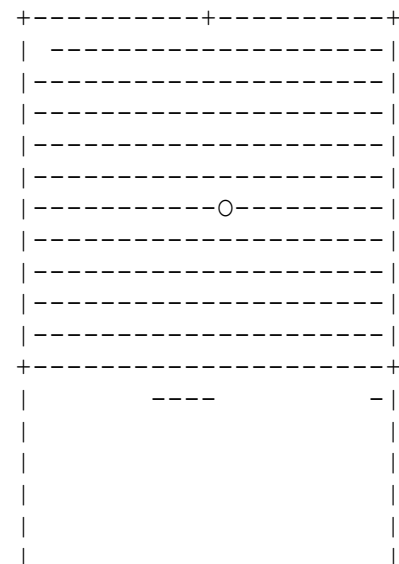


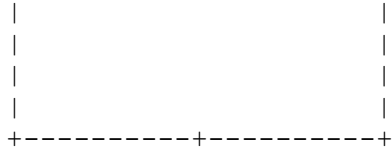
Point #441 at 34-35-24 119-52-12
Point #241 at 34-24-24 119-43-12
Point #019 at 34-33-24 119-32-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Least preclusive siting
Availability of Channel 223 (X)



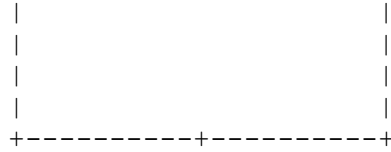
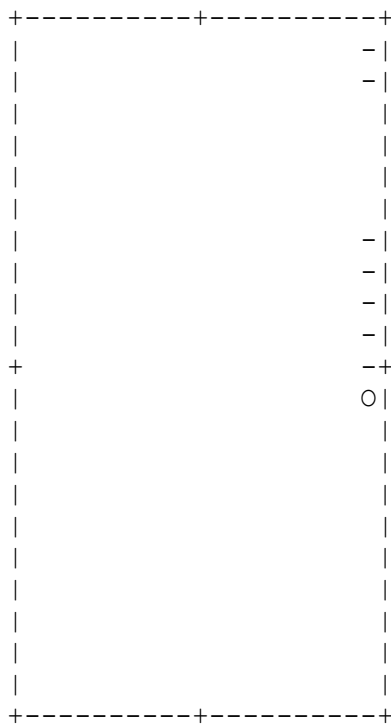
Point #347 at 34-25-24 119-48-12
Point #010 at 34-24-24 119-32-12

Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Most preclusive siting
Availability of Channel 223 (X)

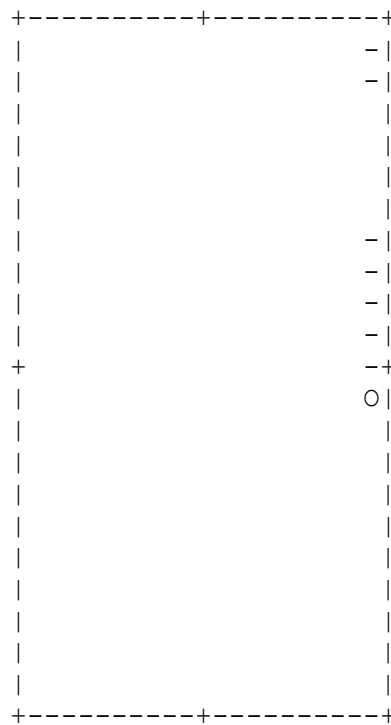




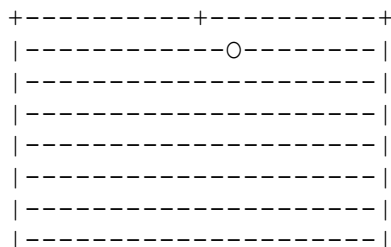
Point #010 at 34-24-24 119-32-12
Point #431 at 34-25-24 119-52-12
Point #231 at 34-35-24 119-42-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Least preclusive siting
Availability of Channel 227 (X)



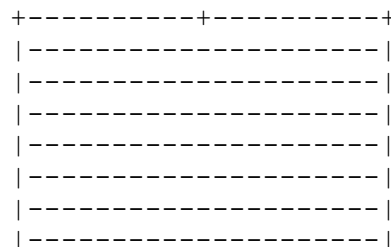
Point #205 at 34-30-24 119-41-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Most preclusive siting
Availability of Channel 227 (X)

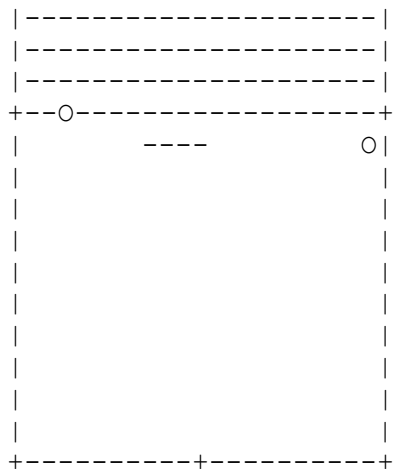


Point #010 at 34-24-24 119-32-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Least preclusive siting
Availability of Channel 231 (X)

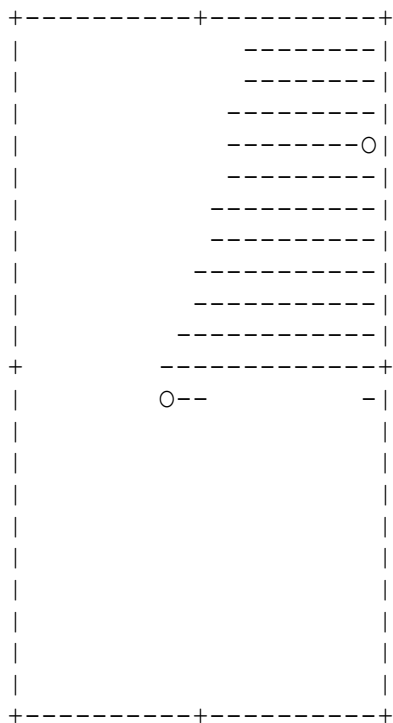


Point #010 at 34-24-24 119-32-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Most preclusive siting
Availability of Channel 231 (X)

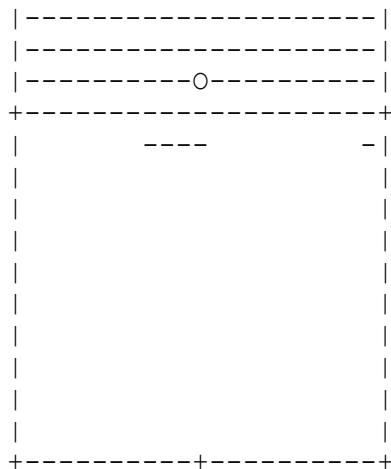




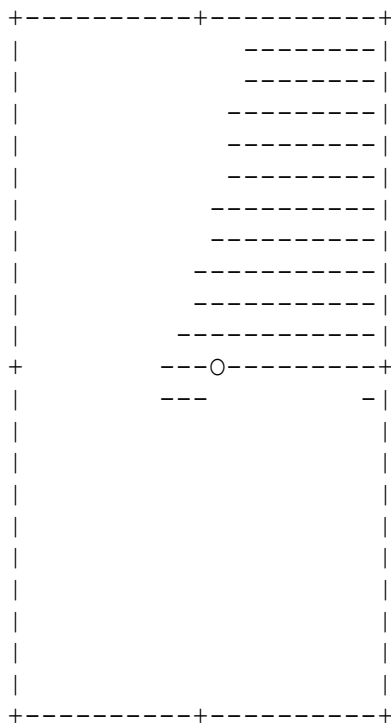
Point #010 at 34-24-24 119-32-12
 Point #189 at 34-35-24 119-40-12
 Point #389 at 34-25-24 119-50-12
 Santa Barbara, CA
 Latitude 34-25-24
 Longitude 119-42-12
 Least preclusive siting
 Availability of Channel 238 (X)



Point #262 at 34-24-24 119-44-12
 Point #018 at 34-32-24 119-32-12
 Santa Barbara, CA
 Latitude 34-25-24

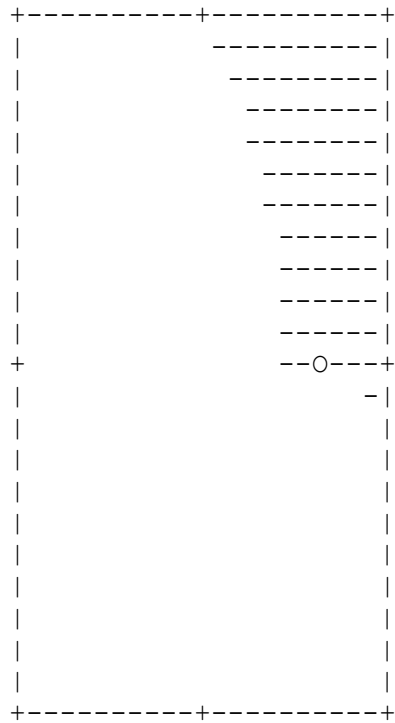


Point #222 at 34-26-24 119-42-12
 Santa Barbara, CA
 Latitude 34-25-24
 Longitude 119-42-12
 Most preclusive siting
 Availability of Channel 238 (X)

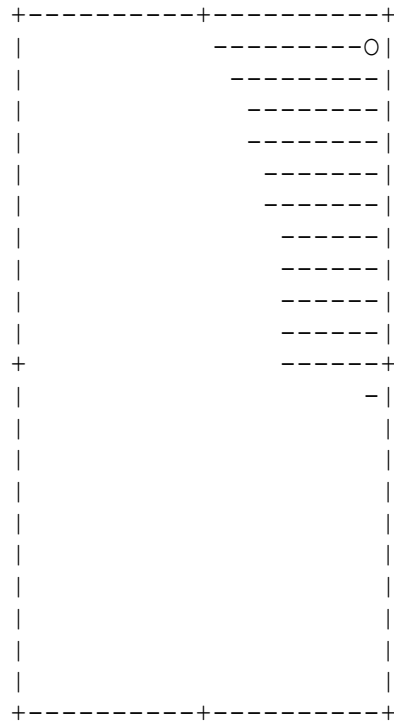


Point #200 at 34-25-24 119-41-12
 Santa Barbara, CA
 Latitude 34-25-24

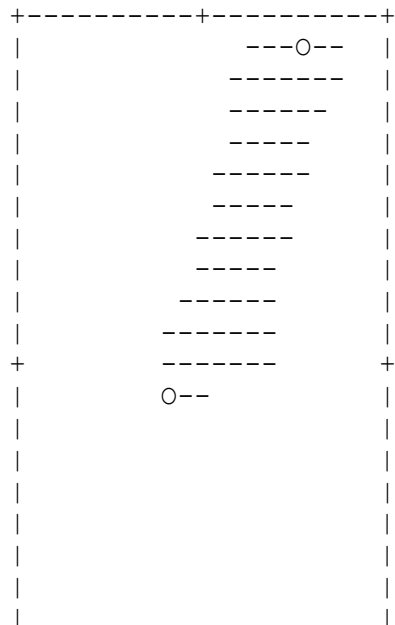
Longitude 119-42-12
Least preclusive siting
Availability of Channel 242 (X)



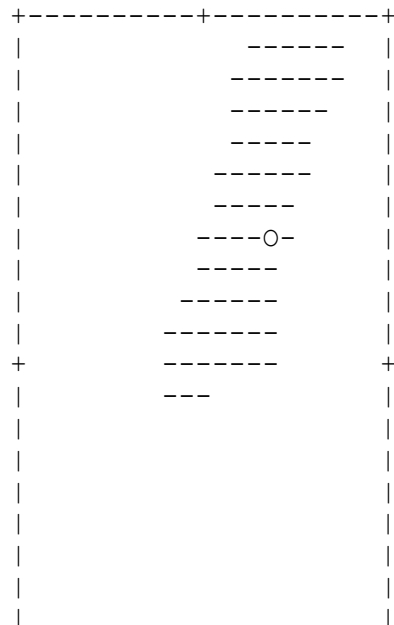
Longitude 119-42-12
Most preclusive siting
Availability of Channel 242 (X)



Point #074 at 34-25-24 119-35-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Least preclusive siting
Availability of Channel 243 (X)



Point #021 at 34-35-24 119-32-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Most preclusive siting
Availability of Channel 243 (X)



Point #141 at 34-29-24 119-38-12

Santa Barbara, CA

Latitude 34-25-24

Longitude 119-42-12

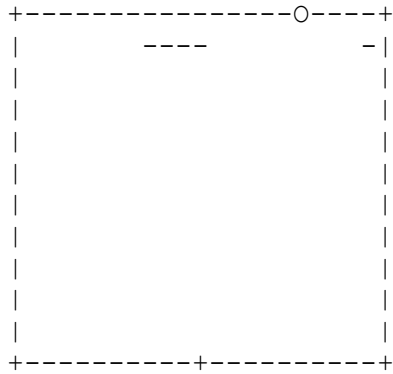
Most preclusive siting

Availability of Channel 245 (X)

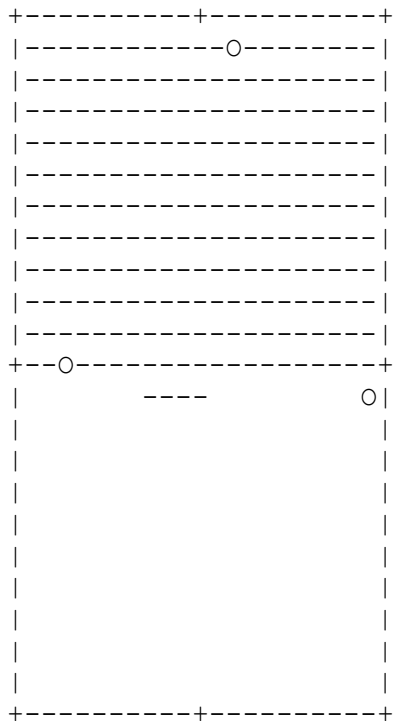
The diagram consists of a large rectangle defined by dashed lines. On the top and bottom edges, there are tick marks at the left and right corners, and at the midpoint. On the left and right edges, there are tick marks at the top and bottom corners. Inside the rectangle, there are several horizontal dashed lines of varying lengths, arranged in a staggered, descending pattern from top-right to bottom-left. Some of these lines have a small circle at their left end. The lines are positioned at approximately one-quarter, one-half, three-quarters, and four-fifths of the way down the vertical axis, with each subsequent line shifted further to the left.

Point #205 at 34-30-24 119-41-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Most preclusive siting
Availability of Channel 246 (X)

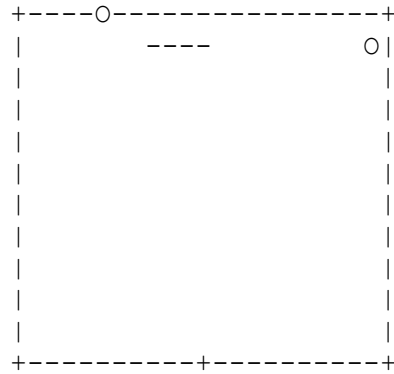
[illegible]



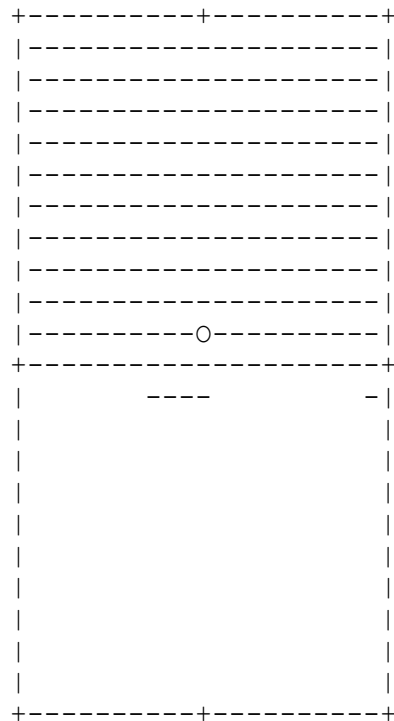
Point #441 at 34-35-24 119-52-12
 Point #095 at 34-25-24 119-36-12
 Santa Barbara, CA
 Latitude 34-25-24
 Longitude 119-42-12
 Least preclusive siting
 Availability of Channel 250 (X)



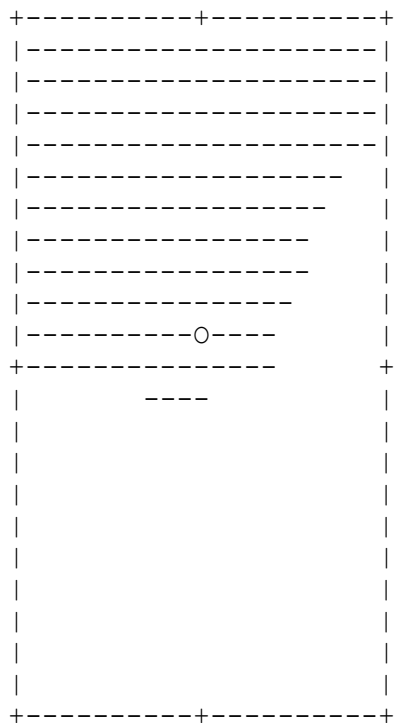
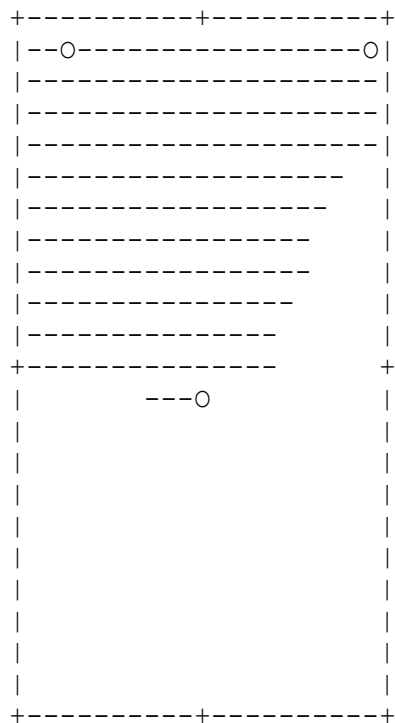
Point #010 at 34-24-24 119-32-12
 Point #189 at 34-35-24 119-40-12
 Point #389 at 34-25-24 119-50-12
 Santa Barbara, CA
 Latitude 34-25-24
 Longitude 119-42-12
 Least preclusive siting
 Availability of Channel 258 (X)



Point #347 at 34-25-24 119-48-12
 Point #010 at 34-24-24 119-32-12
 Santa Barbara, CA
 Latitude 34-25-24
 Longitude 119-42-12
 Most preclusive siting
 Availability of Channel 250 (X)

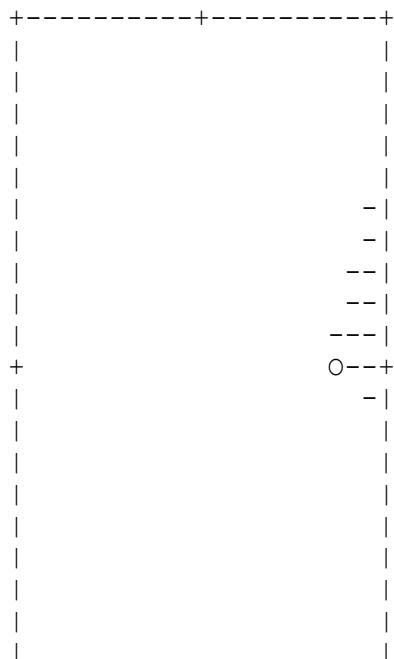
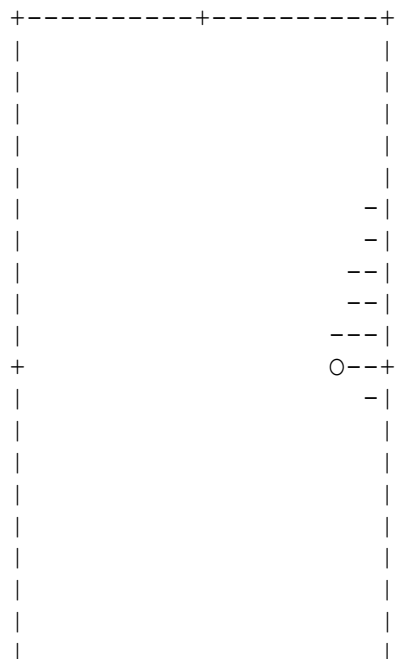


Point #222 at 34-26-24 119-42-12
 Santa Barbara, CA
 Latitude 34-25-24
 Longitude 119-42-12
 Most preclusive siting
 Availability of Channel 258 (X)



Point #021 at 34-35-24 119-32-12
 Point #220 at 34-24-24 119-42-12
 Point #399 at 34-35-24 119-50-12
 Santa Barbara, CA
 Latitude 34-25-24
 Longitude 119-42-12
 Least preclusive siting
 Availability of Channel 262 (X)

Point #222 at 34-26-24 119-42-12
 Santa Barbara, CA
 Latitude 34-25-24
 Longitude 119-42-12
 Most preclusive siting
 Availability of Channel 262 (X)



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Point #053 at 34-25-24 119-34-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Least preclusive siting
Availability of Channel 266 (X)

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Point #053 at 34-25-24 119-34-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Most preclusive siting
Availability of Channel 266 (X)

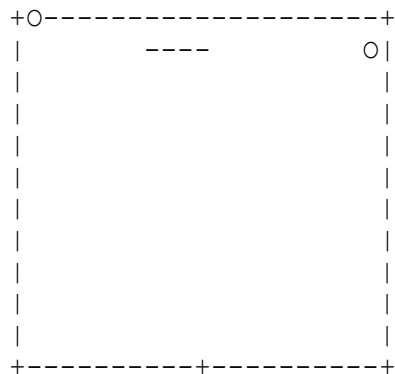
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Point #441 at 34-35-24 119-52-12
Point #241 at 34-24-24 119-43-12
Point #019 at 34-33-24 119-32-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Least preclusive siting
Availability of Channel 267 (X)

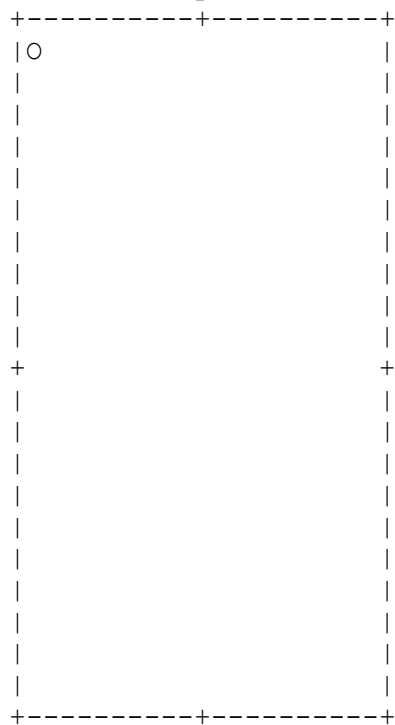
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Point #347 at 34-25-24 119-48-12
Point #010 at 34-24-24 119-32-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Most preclusive siting
Availability of Channel 267 (X)

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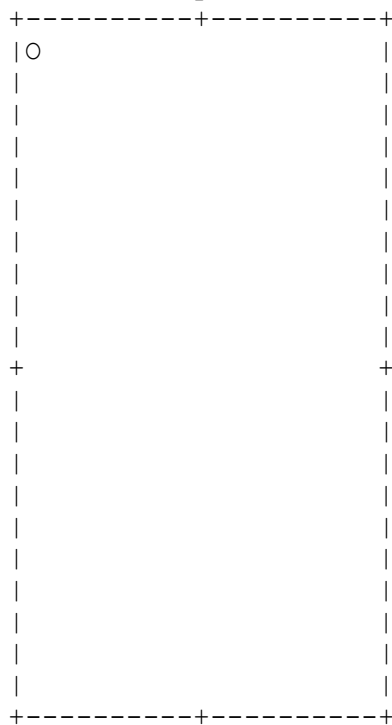
Point #010 at 34-24-24 119-32-12
Point #431 at 34-25-24 119-52-12
Point #231 at 34-35-24 119-42-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Least preclusive siting
Availability of Channel 279 (X)



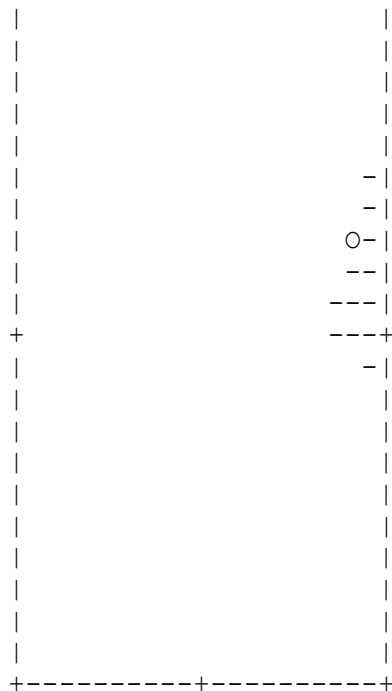
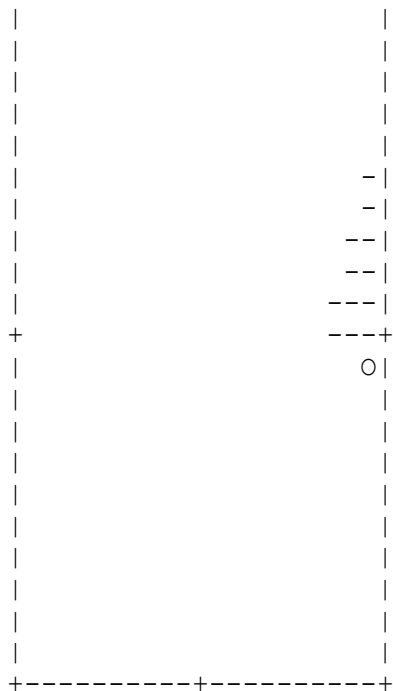
Point #441 at 34-35-24 119-52-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Least preclusive siting
Availability of Channel 281 (X)



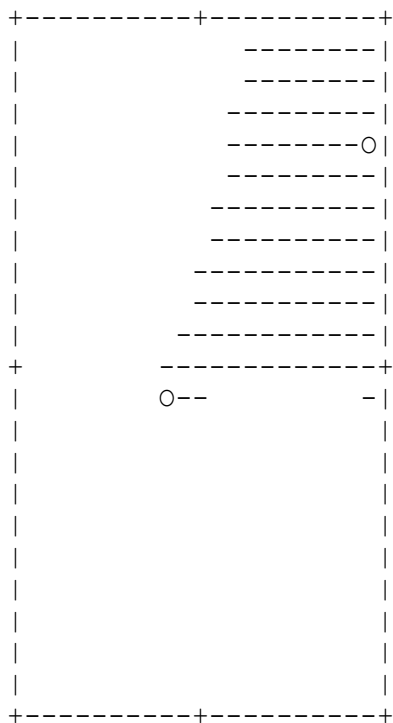
Point #205 at 34-30-24 119-41-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Most preclusive siting
Availability of Channel 279 (X)



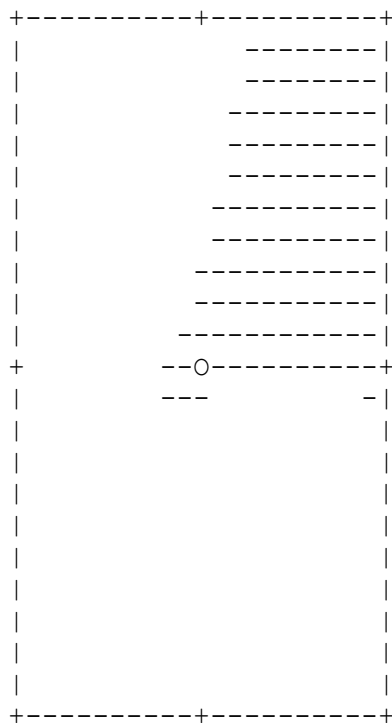
Point #441 at 34-35-24 119-52-12
Santa Barbara, CA
Latitude 34-25-24
Longitude 119-42-12
Most preclusive siting
Availability of Channel 281 (X)



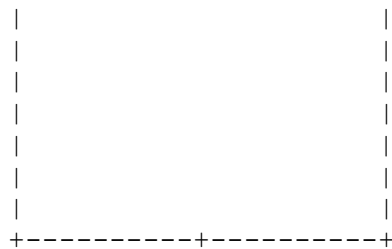
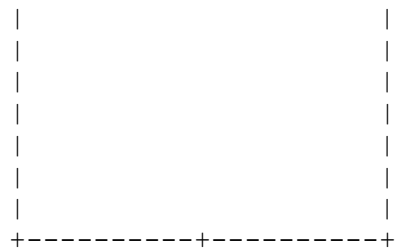
Point #010 at 34-24-24 119-32-12
 Santa Barbara, CA
 Latitude 34-25-24
 Longitude 119-42-12
 Least preclusive siting
 Availability of Channel 282 (X)



Point #035 at 34-28-24 119-33-12
 Santa Barbara, CA
 Latitude 34-25-24
 Longitude 119-42-12
 Most preclusive siting
 Availability of Channel 282 (X)



[illegible]



Point #032 at 34-25-24 119-33-12

Point #032 at 34-25-24 119-33-12

{End of Figure 1}

FIGURE 2 (8 Pages)

Isla Vista, CA
 Latitude 34-23-23
 Longitude 119-54-20
 Grid Size 11 x 11
 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 | 0 | 260 | 0 | 280 | 0 |
| 201 | 0 | 221 | 0 | 241 | 0 | 261 | 0 | 281 | 0 |
| 202 | 0 | 222 | 121 | 242 | 0 | 262 | 0 | 282 | 1 |
| 203 | 0 | 223 | 121 | 243 | 5 | 263 | 0 | 283 | 0 |
| 204 | 0 | 224 | 0 | 244 | 0 | 264 | 0 | 284 | 0 |
| 205 | 0 | 225 | 0 | 245 | 6 | 265 | 0 | 285 | 0 |
| 206 | 0 | 226 | 0 | 246 | 121 | 266 | 121 | 286 | 0 |
| 207 | 0 | 227 | 0 | 247 | 0 | 267 | 121 | 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 | 121 | 270 | 0 | 290 | 0 |
| 211 | 0 | 231 | 121 | 251 | 0 | 271 | 82 | 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 | 3 | 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 | 39 |
| 218 | 0 | 238 | 1 | 258 | 121 | 278 | 0 | 298 | 0 |
| 219 | 0 | 239 | 0 | 259 | 0 | 279 | 35 | 299 | 0 |
| | | | | | | | | 300 | 0 |
| ----- | | | | | | | | | |
| Total | 1140 | | | | | | | | |

Total allotments, least preclusive spacing: 25
 Total allotments, most preclusive spacing: 14
 Isla Vista, CA Isla Vista, CA
 Latitude 34-23-23 Latitude 34-23-23

Longitude 119-54-20
Least preclusive siting
Availability of Channel 222 (X)

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Longitude 119-54-20
Most preclusive siting
Availability of Channel 222 (X)

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Point #001 at 34-18-23 119-49-20
Point #121 at 34-28-23 119-59-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Least preclusive siting
Availability of Channel 223 (X)

```
+-----+-----+
|-----O|
|-----|
|-----|
|-----|
|-----|
+-----+
|-----|
|-----|
|-----|
|-----|
|O-----|
+-----+-----+
```

Point #061 at 34-23-23 119-54-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Most preclusive siting
Availability of Channel 223 (X)

```
+-----+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----+-----+
```

Point #011 at 34-28-23 119-49-20
Point #111 at 34-18-23 119-59-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Least preclusive siting
Availability of Channel 231 (X)

```
+-----+-----+
|O-----|
|-----|
|-----|
|-----|
|-----|
+-----+-----+
```

Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Most preclusive siting
Availability of Channel 231 (X)

```
+-----+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----O-----+
```

```

|-----|
|-----|
|-----|
|-----|
|-----O|
+-----+

```

Point #001 at 34-18-23 119-49-20
Point #121 at 34-28-23 119-59-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Least preclusive siting
Availability of Channel 238 (X)

```

+-----+-----+
|         |         |
|         |         |
|         |         |
|         |         |
|         |         |
+         +         +
|         |         |
|         |         |
|         |         |
|         |         |
|         |         |
+-----+-----+

```

```

|-----|
|-----|
|-----|
|-----|
|-----|
+-----+

```

Point #061 at 34-23-23 119-54-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Most preclusive siting
Availability of Channel 238 (X)

```

+-----+-----+
|         |         |
|         |         |
|         |         |
|         |         |
|         |         |
+         +         +
|         |         |
|         |         |
|         |         |
|         |         |
|         |         |
+-----+-----+

```

Point #001 at 34-18-23 119-49-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Least preclusive siting
Availability of Channel 243 (X)

```

+-----+-----+
|         |         |
|         |         |
|         |         |
|         |         |
|         |         |
+         +         +
|         |         |
|         |         |
|         |         |
|         |         |
|         |         |
+-----+-----+

```

Point #001 at 34-18-23 119-49-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Most preclusive siting
Availability of Channel 243 (X)

```

+-----+-----+
|         |         |
|         |         |
|         |         |
|         |         |
|         |         |
+         +         +
|         |         |
|         |         |
|         |         |
|         |         |
|         |         |
+-----+-----+

```

Point #013 at 34-19-23 119-50-20
Isla Vista, CA
Latitude 34-23-23

Point #013 at 34-19-23 119-50-20
Isla Vista, CA
Latitude 34-23-23

Longitude 119-54-20
Least preclusive siting
Availability of Channel 245 (X)

```
+-----+-----+
|
|
|
|
|
|
+       +
|
|
|
|      -|
|      --|
|      --O|
+-----+-----+
```

Longitude 119-54-20
Most preclusive siting
Availability of Channel 245 (X)

```
+-----+-----+
|
|
|
|
|
|
+       +
|
|
|
|      O|
|      --|
|      ---|
+-----+-----+
```

Point #001 at 34-18-23 119-49-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Least preclusive siting
Availability of Channel 246 (X)

```
+-----+-----+
|-----O|
|-----|
|-----|
|-----|
|-----|
+-----+
|-----|
|-----|
|-----|
|-----|
|O-----|
+-----+-----+
```

Point #003 at 34-20-23 119-49-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Most preclusive siting
Availability of Channel 246 (X)

```
+-----+-----+
|-----|
|-----|
|-----|
|---O-----|
|-----|
+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----+-----+
```

Point #011 at 34-28-23 119-49-20
Point #111 at 34-18-23 119-59-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Least preclusive siting
Availability of Channel 250 (X)

```
+-----+-----+
|O-----|
|-----|
|-----|
|-----|
|-----|
+-----+
|-----|
```

Point #085 at 34-25-23 119-56-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Most preclusive siting
Availability of Channel 250 (X)

```
+-----+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----O-----+
|-----|
```

```
|-----|
|-----|
|-----|
|-----O|
+-----+
```

Point #001 at 34-18-23 119-49-20
Point #121 at 34-28-23 119-59-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Least preclusive siting
Availability of Channel 254 (X)

```
+-----+
|       |
|       |
|       |
|       |
+       +
|       |
|       |
|       |
|-      |
|-O     |
+-----+
```

Point #100 at 34-18-23 119-58-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Least preclusive siting
Availability of Channel 258 (X)

```
+-----+
|O-----|
|-----|
|-----|
|-----|
|-----|
+-----+
|-----|
|-----|
|-----|
|-----|
|-----O|
+-----+
```

Point #001 at 34-18-23 119-49-20
Point #121 at 34-28-23 119-59-20
Isla Vista, CA
Latitude 34-23-23

```
|-----|
|-----|
|-----|
|-----|
+-----+
```

Point #061 at 34-23-23 119-54-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Most preclusive siting
Availability of Channel 254 (X)

```
+-----+
|       |
|       |
|       |
|       |
+       +
|       |
|       |
|       |
|-      |
|-O     |
+-----+
```

Point #100 at 34-18-23 119-58-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Most preclusive siting
Availability of Channel 258 (X)

```
+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----O-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----+
```

Point #061 at 34-23-23 119-54-20
Isla Vista, CA
Latitude 34-23-23

Longitude 119-54-20
Least preclusive siting
Availability of Channel 266 (X)

```
+-----+-----+
|O-----|
|-----|
|-----|
|-----|
|-----|
+-----+
|-----|
|-----|
|-----|
|-----|
|-----O|
+-----+
```

Longitude 119-54-20
Most preclusive siting
Availability of Channel 266 (X)

```
+-----+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----O-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----+-----+
```

Point #001 at 34-18-23 119-49-20
Point #121 at 34-28-23 119-59-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Least preclusive siting
Availability of Channel 267 (X)

```
+-----+-----+
|-----O|
|-----|
|-----|
|-----|
|-----|
+-----+
|-----|
|-----|
|-----|
|-----|
|O-----|
+-----+-----+
```

Point #061 at 34-23-23 119-54-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Most preclusive siting
Availability of Channel 267 (X)

```
+-----+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----+-----+
```

Point #011 at 34-28-23 119-49-20
Point #111 at 34-18-23 119-59-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Least preclusive siting
Availability of Channel 271 (X)

```
+-----+-----+
|O-----|
|-----|
|-----|
|-----|
|-----|
+-----+-----+
```

Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Most preclusive siting
Availability of Channel 271 (X)

```
+-----+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----O-----+
```

```

|-----|
|-----|
|-----|
|-----|
|-----O|
+-----+

```

Point #001 at 34-18-23 119-49-20
Point #121 at 34-28-23 119-59-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Least preclusive siting
Availability of Channel 279 (X)

```

+-----+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----+
|--O-----|
|-----|
|-----|
|-----|
|--|-----|
+-----+-----+

```

Point #093 at 34-22-23 119-57-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Least preclusive siting
Availability of Channel 282 (X)

```

+-----+-----+
|-----|
|-----|
|-----|
|-----|
+-----+
|-----|
|-----|
|-----|
|-----|
|-----O|
+-----+-----+

```

Point #001 at 34-18-23 119-49-20
Isla Vista, CA
Latitude 34-23-23

```

|-----|
|-----|
|-----|
|-----|
|-----|
+-----+

```

Point #061 at 34-23-23 119-54-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Most preclusive siting
Availability of Channel 279 (X)

```

+-----+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----+
|--O-----|
|-----|
|-----|
|-----|
|--|-----|
+-----+-----+

```

Point #093 at 34-22-23 119-57-20
Isla Vista, CA
Latitude 34-23-23
Longitude 119-54-20
Most preclusive siting
Availability of Channel 282 (X)

```

+-----+-----+
|-----|
|-----|
|-----|
|-----|
+-----+
|-----|
|-----|
|-----|
|-----|
|-----O|
+-----+-----+

```

Point #001 at 34-18-23 119-49-20
Isla Vista, CA
Latitude 34-23-23

Longitude 119-54-20
Least preclusive siting
Availability of Channel 297 (X)

```
+-----+-----+
|-----|
|-----|
|-----|
|-----|
|---O---|
+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----+
```

Longitude 119-54-20
Most preclusive siting
Availability of Channel 297 (X)

```
+-----+-----+
|-----|
|-----|
|-----|
|-----|
|---O---|
+-----+
|-----|
|-----|
|-----|
|-----|
|-----|
+-----+
```

Point #084 at 34-24-23 119-56-20

Point #084 at 34-24-23 119-56-20

{End of Figure 2}