

## **Changes Contained in This Amendment**

Changes to the application are as follows:

1. Section III-A, Item 2: Primary station has been updated.
2. Section III-A, Item 4: Coordinates has been changed to reflect the proposed location.
3. Section III-A, Item 5: ASRN has been updated.
4. Section III-A, Item 6: Site elevation has been updated.
5. Section III-A, Item 7: Tower height has been updated.
6. Section III-A, Item 8: Radiation center above ground has been updated.
7. Section III-A, Item 9: ERP has been updated.
8. Section III-A, Item 10: Transmit antenna has been updated.

## **Preclusion to LPFM Points**

The facility contemplated herein has been studied to ensure that no preclusion will occur to LPFM sacred points. Due to the location of the proposed amended transmitter site being within 39km of a Top 50 Spectrum Limited Market Grid, a Site Test is required. Exhibit 1-A is a Site Study showing that there are no available LPFM opportunities at the proposed location, on the proposed channel and on channels 1<sup>st</sup> adjacent. Furthermore, Exhibit 1-A shows there are multiple LPFM opportunities at the proposed location on channels 223, 256, 260 and 276.

Therefore, the proposed facility does not preclude a single remaining LPFM opportunity at the specified transmitter site location.

**GRID TEST - San Antonio, TX**

**Yellow Highlighting** shows Co & 1<sup>st</sup> Adj channels to the proposed facility.

San Antonio, TX  
 Latitude 29-27-06  
 Longitude 098-30-46  
 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	440	280	0
201	0	221	12	241	0	261	0	281	0
202	0	222	0	242	0	262	0	282	0
203	0	223	42	243	415	263	0	283	0
204	0	224	0	244	331	264	175	284	0
205	0	225	0	245	310	265	0	285	0
206	0	226	0	246	0	266	0	286	0
207	0	227	17	247	0	267	0	287	0
208	0	228	183	248	0	268	0	288	0
209	0	229	67	249	0	269	0	289	0
210	0	230	0	250	9	270	0	290	0
211	0	231	0	251	332	271	0	291	1
212	0	232	0	252	0	272	0	292	1
213	0	233	158	253	0	273	0	293	0
214	0	234	140	254	0	274	0	294	0
215	0	235	0	255	21	275	0	295	0
216	0	236	0	256	132	276	15	296	295
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	291

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 Total 3387

Total allotments, least preclusive spacing: 45  
 Total allotments, most preclusive spacing: 32

**SITE TEST - New Braunfels, TX**

Yellow Highlighting shows Co & 1<sup>st</sup> adj channels to the proposed facility.  
 Green Highlighting shows additional channels available to LPFM applicants at the proposed site.

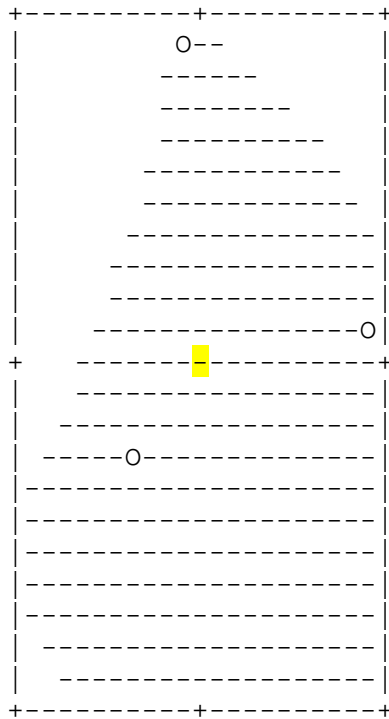
Latitude 29-40-20  
 Longitude 098-14-43  
 Grid Size 21 x 21  
 Micro FM 100 Watts at 30m HAAT  
 Co-Channel and 1st Adjacent Protected  
 2nd Adjacent Channel Not Protected  
 3rd Adjacent Channel Not Protected  
 I.F. Not Protected  
 TV Channel 6 Protected  
 CP Records Protected  
 APP Records Protected  
 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	441	280	338
201	0	221	0	241	0	261	0	281	300
202	0	222	0	242	0	262	0	282	0
203	0	223	335	243	33	263	0	283	0
204	0	224	0	244	0	264	0	284	0
205	0	225	0	245	33	265	0	285	38
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	26	288	0
209	0	229	0	249	0	269	0	289	60
210	0	230	0	250	0	270	0	290	43
211	0	231	0	251	0	271	0	291	14
212	0	232	7	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	184	275	0	295	0
216	0	236	0	256	342	276	220	296	91
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	119

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 Total 2624

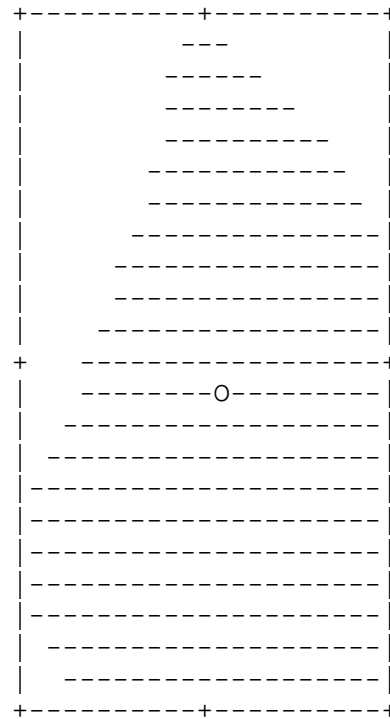
Total allotments, least preclusive spacing: 37  
 Total allotments, most preclusive spacing: 25

New Braunfels, TX  
 Latitude 29-40-20  
 Longitude 098-14-43  
 Least preclusive siting  
 Availability of Channel 223 (X)



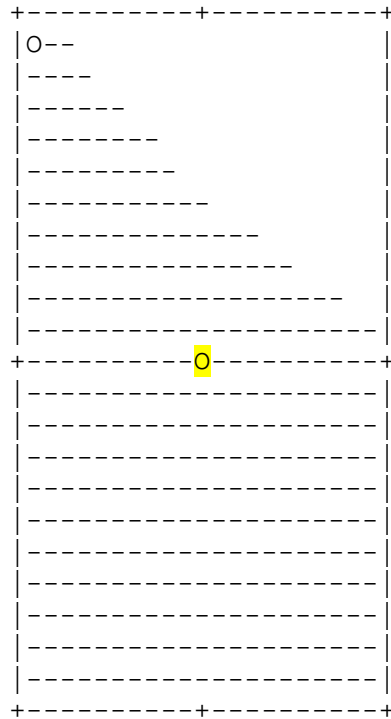
Point #252 at 29-50-20 098-15-43  
 Point #012 at 29-41-20 098-04-43  
 Point #302 at 29-37-20 098-18-43

New Braunfels, TX  
 Latitude 29-40-20  
 Longitude 098-14-43  
 Most preclusive siting  
 Availability of Channel 223 (X)

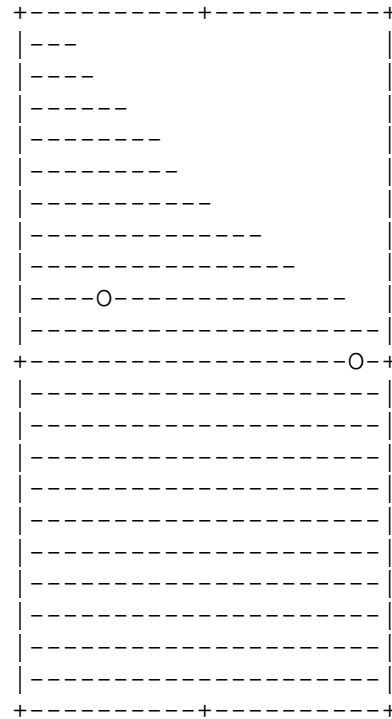


Point #199 at 29-39-20 098-13-43

New Braunfels, TX  
 Latitude 29-40-20  
 Longitude 098-14-43  
 Least preclusive siting  
 Availability of Channel 256 (X)



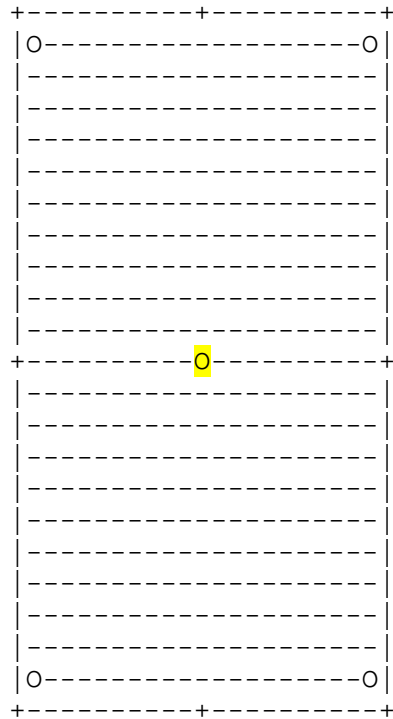
New Braunfels, TX  
 Latitude 29-40-20  
 Longitude 098-14-43  
 Most preclusive siting  
 Availability of Channel 256 (X)



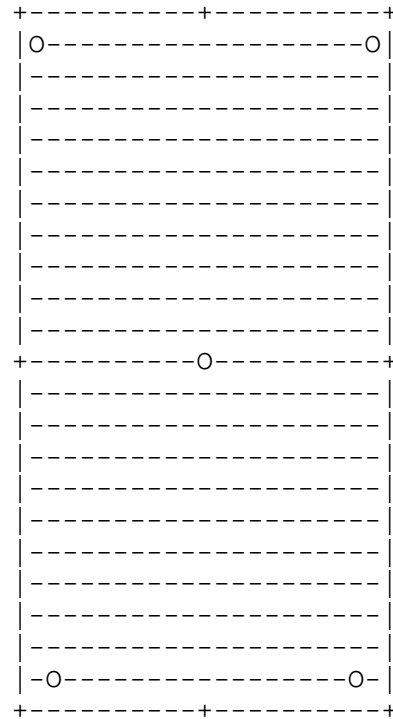
Point #441 at 29-50-20 098-24-43  
 Point #221 at 29-40-20 098-14-43

Point #349 at 29-42-20 098-20-43  
 Point #032 at 29-40-20 098-05-43

New Braunfels, TX  
 Latitude 29-40-20  
 Longitude 098-14-43  
 Least preclusive siting  
 Availability of Channel 260 (X)



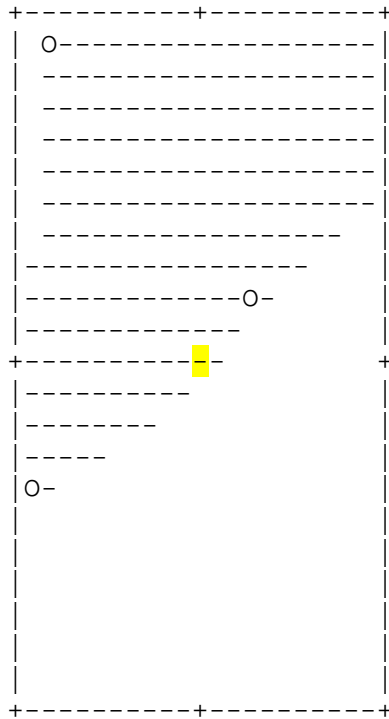
New Braunfels, TX  
 Latitude 29-40-20  
 Longitude 098-14-43  
 Most preclusive siting  
 Availability of Channel 260 (X)



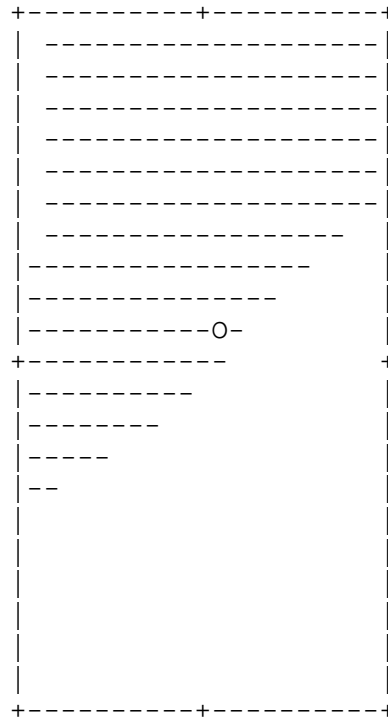
Point #001 at 29-30-20 098-04-43  
 Point #421 at 29-30-20 098-24-43  
 Point #021 at 29-50-20 098-04-43  
 Point #221 at 29-40-20 098-14-43  
 Point #441 at 29-50-20 098-24-43

Point #221 at 29-40-20 098-14-43  
 Point #022 at 29-30-20 098-05-43  
 Point #400 at 29-30-20 098-23-43  
 Point #021 at 29-50-20 098-04-43  
 Point #441 at 29-50-20 098-24-43

New Braunfels, TX  
 Latitude 29-40-20  
 Longitude 098-14-43  
 Least preclusive siting  
 Availability of Channel 276 (X)



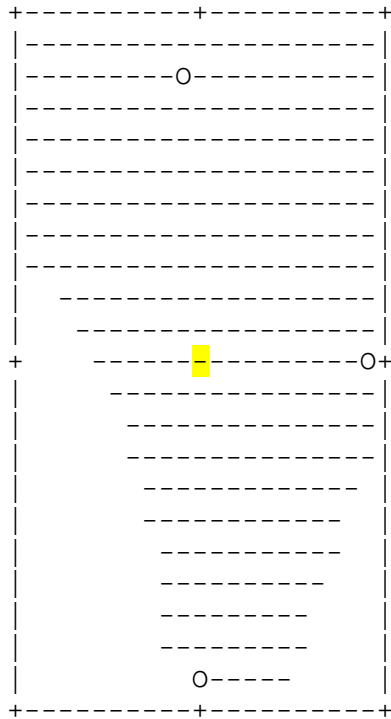
New Braunfels, TX  
 Latitude 29-40-20  
 Longitude 098-14-43  
 Most preclusive siting  
 Availability of Channel 276 (X)



Point #427 at 29-36-20 098-24-43  
 Point #420 at 29-50-20 098-23-43  
 Point #160 at 29-42-20 098-11-43

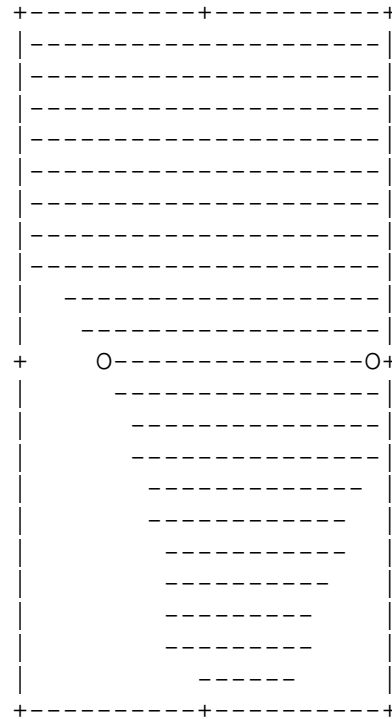
Point #201 at 29-41-20 098-13-43

New Braunfels, TX  
Latitude 29-40-20  
Longitude 098-14-43  
Least preclusive siting  
Availability of Channel 280 (X)



Point #211 at 29-30-20 098-14-43  
Point #011 at 29-40-20 098-04-43  
Point #251 at 29-49-20 098-15-43

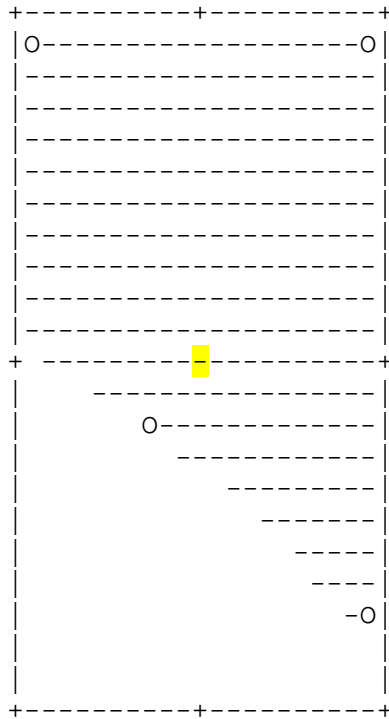
New Braunfels, TX  
Latitude 29-40-20  
Longitude 098-14-43  
Most preclusive siting  
Availability of Channel 280 (X)



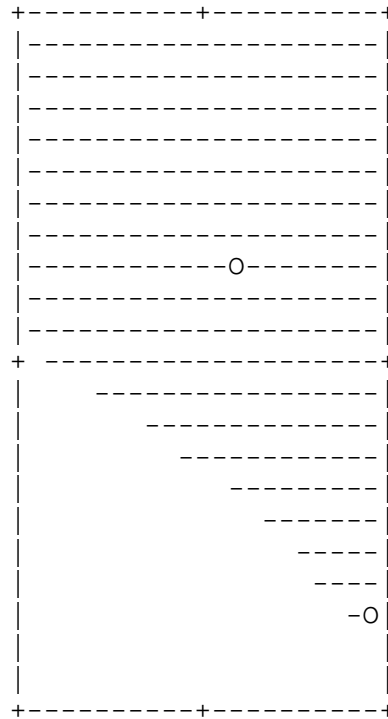
Point #347 at 29-40-20 098-20-43  
Point #011 at 29-40-20 098-04-43



New Braunfels, TX  
 Latitude 29-40-20  
 Longitude 098-14-43  
 Least preclusive siting  
 Availability of Channel 281 (X)



New Braunfels, TX  
 Latitude 29-40-20  
 Longitude 098-14-43  
 Most preclusive siting  
 Availability of Channel 281 (X)



Point #003 at 29-32-20 098-04-43  
 Point #021 at 29-50-20 098-04-43  
 Point #441 at 29-50-20 098-24-43  
 Point #282 at 29-38-20 098-17-43

Point #182 at 29-43-20 098-12-43  
 Point #003 at 29-32-20 098-04-43