

LPFM Preclusion Study
Coeur D' Alene 278
March 28, 2013

Grid Preclusion Showing for Santa Rosa, CA:

Since the applicant is within the grid of the Spectrum Limited Coeur D' Alene, a preclusion study is required. The applicant proposes moving to the east and reducing power to 4 watts so that the contour distance is less than 7.3 km. At the newly proposed site, the applicant is spaced further than the required 26 km to all co-channel grid points. There are not any grid points on adjacent channels 277 and 279

According to the FCC's grid tool, the nearest LPFM grid points on co-channel 278 is 31.37 km, away which is greater than the required 26 km spacing.

Point	Latitude	Longitude	Distance from Site (km)
P1	47-41-32	117-10-30	31.37
Site	47-41-47	116-45-21	0

Below is the printout from the FCC's grid tool also showing the location of these closest grid points (highlighted in green):

Spokane, WA

Latitude 47-39-32

Longitude 117-25-30

Least preclusive siting

Availability of Channel 278 (X)

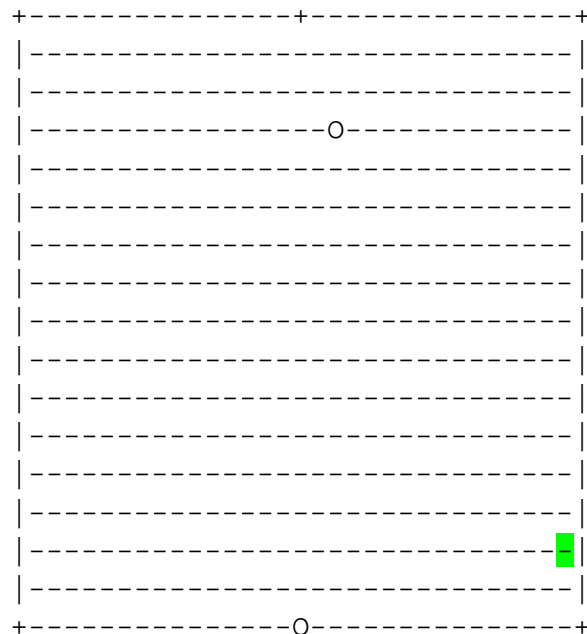
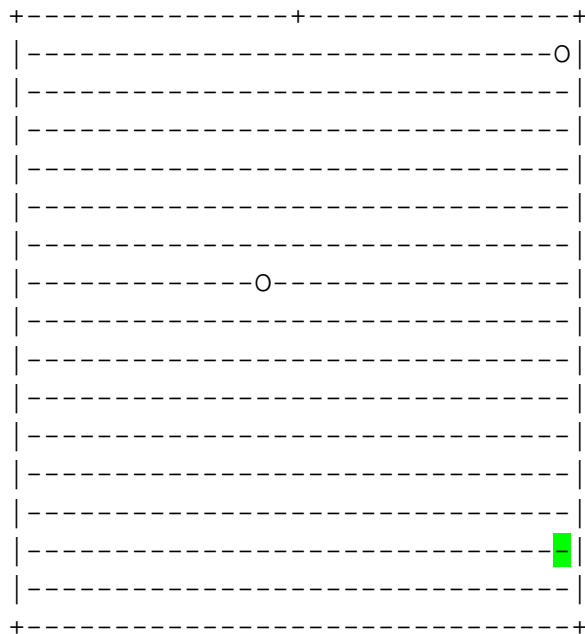
Spokane, WA

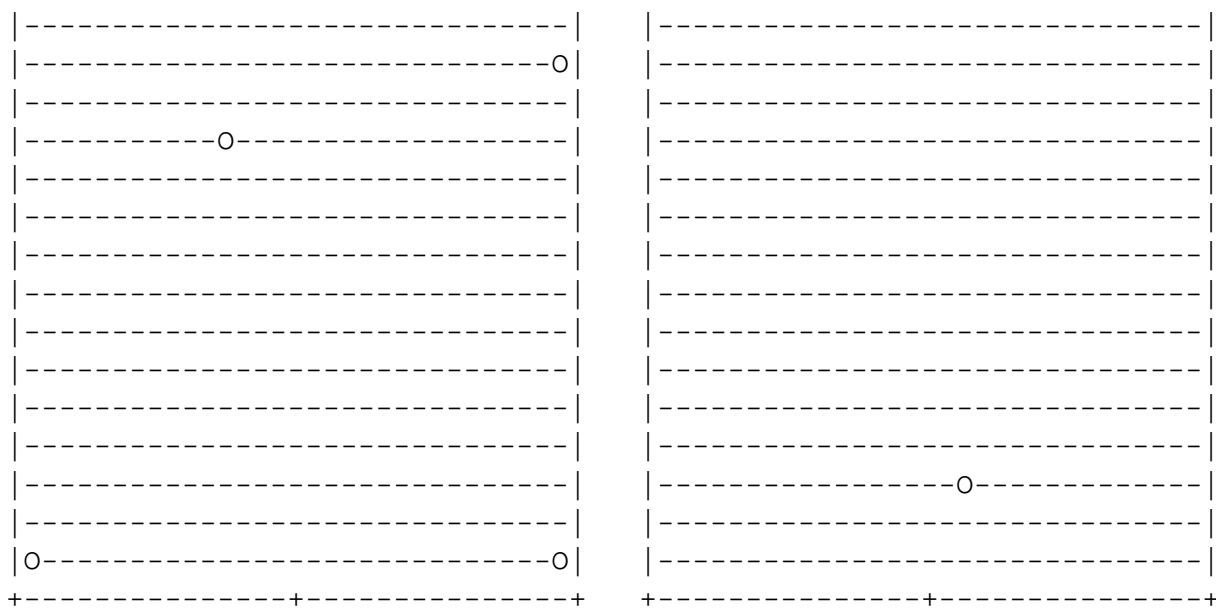
Latitude 47-39-32

Longitude 117-25-30

Most preclusive siting

Availability of Channel 278 (X)





Transmitter site showing for Coeur D' Alene:

When running the grid tool centered at the proposed transmitter, there are several other channels available including 227, 231, 235, 239, 243, 253, 257, 258, 262, 263, 264, 268, 274, 287, 291, 297, 298.

Prepared by,
Keith Leitch, MSEE
707-479-9428