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April 2013
BNPFT-20030310BNJ
Independence, Washington Channel 293D
LPFM Non-Preclusion Study

Affected Market

Seattle-Tacoma, WA (Spectrum Limited, Top 50)

Grid Study

Grant of the application would not preclude any LPFM licensing opportunities within the market grid. The proposed transmitter site is located 74 kilometers from the nearest grid point. Since this distance exceeds the 39 kilometer maximum separation distance for cochannel LPFM-to-translator, no further analysis is necessary to demonstrate that the proposed translator facility will not preclude any future LPFM licensing opportunities within the grid.

Out of Grid Transmitter Site

The proposed translator transmitter site is located outside the market grid. Accordingly, a study has been undertaken to evaluate LPFM licensing opportunities at the proposed translator transmitter site. The study assumed protection of all authorizations on co- and first-adjacent channels. The study ignored second-adjacent and intermediate-frequency protection requirements but otherwise applied all other LPFM spacing requirements. All Auction 83 applications in the market were assumed to be dismissed.

This study reveals that the following channels are available for LPFM licensing at the proposed translator transmitter site:

Channel 262L1
Channel 286L1
Channel 287L1

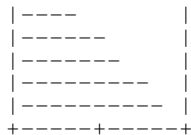
(Channels 293L1 and 294L1 shown in the study below are precluded by the instant application.)

Independence, WA
Latitude 46-48-58
Longitude 123-09-24
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 Not Protected
CP Records Protected
APP Records Protected
FM Translators Protected
TV Channel 6 Translators/LP Not Protected
Auc83 FX App Records Not Protected

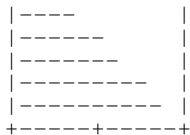
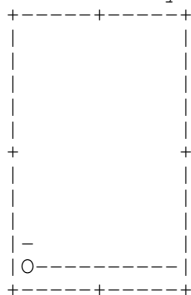
A square frame defined by dashed lines. Inside the square, there are several horizontal dashed lines of varying lengths, starting from the left edge. At the bottom-left corner, there is a small circle with a dot in the center, resembling an 'o' or a small sphere.

A square frame with dashed lines. Inside the square, there are several horizontal dashed lines of varying lengths. A small circle is positioned on one of these lines, approximately one-third of the way from the left side of the square.

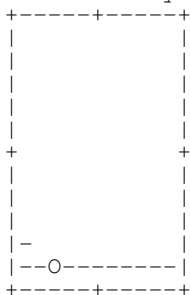
A square frame composed of dashed lines. Inside the square, there are several horizontal dashed lines of varying lengths. A small circle is positioned to the right of one of these lines. The lines are arranged in a way that suggests a staircase or a series of steps.



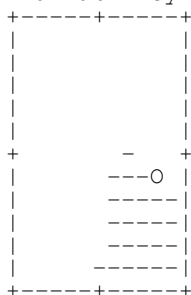
Independence, WA
 Latitude 46-48-58
 Longitude 123-09-24
 Least preclusive siting
 Availability of Channel 266 (X)



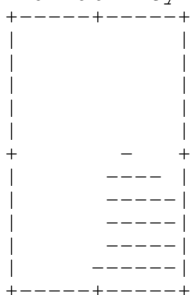
Independence, WA
 Latitude 46-48-58
 Longitude 123-09-24
 Most preclusive siting
 Availability of Channel 266 (X)



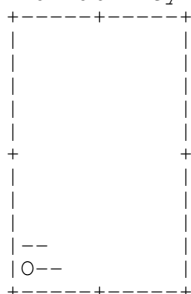
Point #111 at 46-43-58 123-14-24
 Independence, WA
 Latitude 46-48-58
 Longitude 123-09-24
 Least preclusive siting
 Availability of Channel 267 (X)



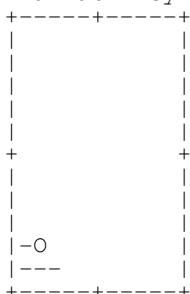
Point #089 at 46-43-58 123-12-24
 Independence, WA
 Latitude 46-48-58
 Longitude 123-09-24
 Most preclusive siting
 Availability of Channel 267 (X)



Point #016 at 46-47-58 123-05-24
 Independence, WA
 Latitude 46-48-58
 Longitude 123-09-24
 Least preclusive siting
 Availability of Channel 268 (X)



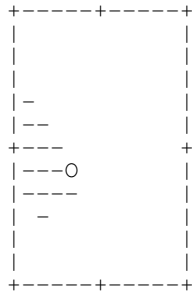
Independence, WA
 Latitude 46-48-58
 Longitude 123-09-24
 Most preclusive siting
 Availability of Channel 268 (X)



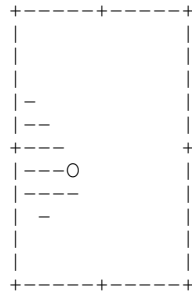
Point #111 at 46-43-58 123-14-24
 Independence, WA
 Latitude 46-48-58
 Longitude 123-09-24
 Least preclusive siting

Point #101 at 46-44-58 123-13-24
 Independence, WA
 Latitude 46-48-58
 Longitude 123-09-24
 Most preclusive siting

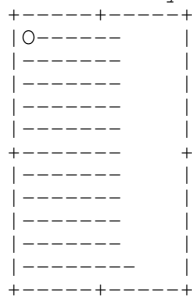
Availability of Channel 280 (X)



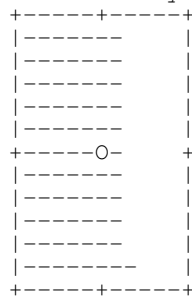
Availability of Channel 280 (X)



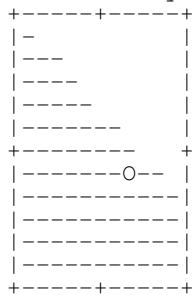
Point #082 at 46-47-58 123-11-24
Independence, WA
Latitude 46-48-58
Longitude 123-09-24
Least preclusive siting
Availability of Channel 286 (X)



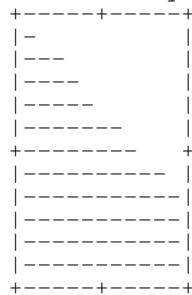
Point #082 at 46-47-58 123-11-24
Independence, WA
Latitude 46-48-58
Longitude 123-09-24
Most preclusive siting
Availability of Channel 286 (X)



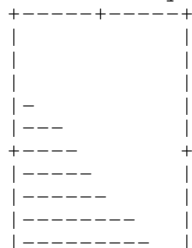
Point #121 at 46-53-58 123-14-24
Independence, WA
Latitude 46-48-58
Longitude 123-09-24
Least preclusive siting
Availability of Channel 287 (X)



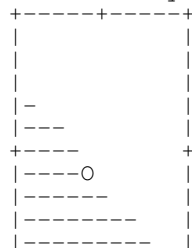
Point #061 at 46-48-58 123-09-24
Independence, WA
Latitude 46-48-58
Longitude 123-09-24
Most preclusive siting
Availability of Channel 287 (X)



Point #038 at 46-47-58 123-07-24
Independence, WA
Latitude 46-48-58
Longitude 123-09-24
Least preclusive siting
Availability of Channel 292 (X)



Independence, WA
Latitude 46-48-58
Longitude 123-09-24
Most preclusive siting
Availability of Channel 292 (X)



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Point #001 at 46-43-58 123-04-24
Independence, WA
Latitude 46-48-58
Longitude 123-09-24
Least preclusive siting
Availability of Channel 293 (X)

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Point #071 at 46-47-58 123-10-24
Independence, WA
Latitude 46-48-58
Longitude 123-09-24
Most preclusive siting
Availability of Channel 293 (X)

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Point #121 at 46-53-58 123-14-24
Independence, WA
Latitude 46-48-58
Longitude 123-09-24
Least preclusive siting
Availability of Channel 294 (X)

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Independence, WA
Latitude 46-48-58
Longitude 123-09-24
Most preclusive siting
Availability of Channel 294 (X)

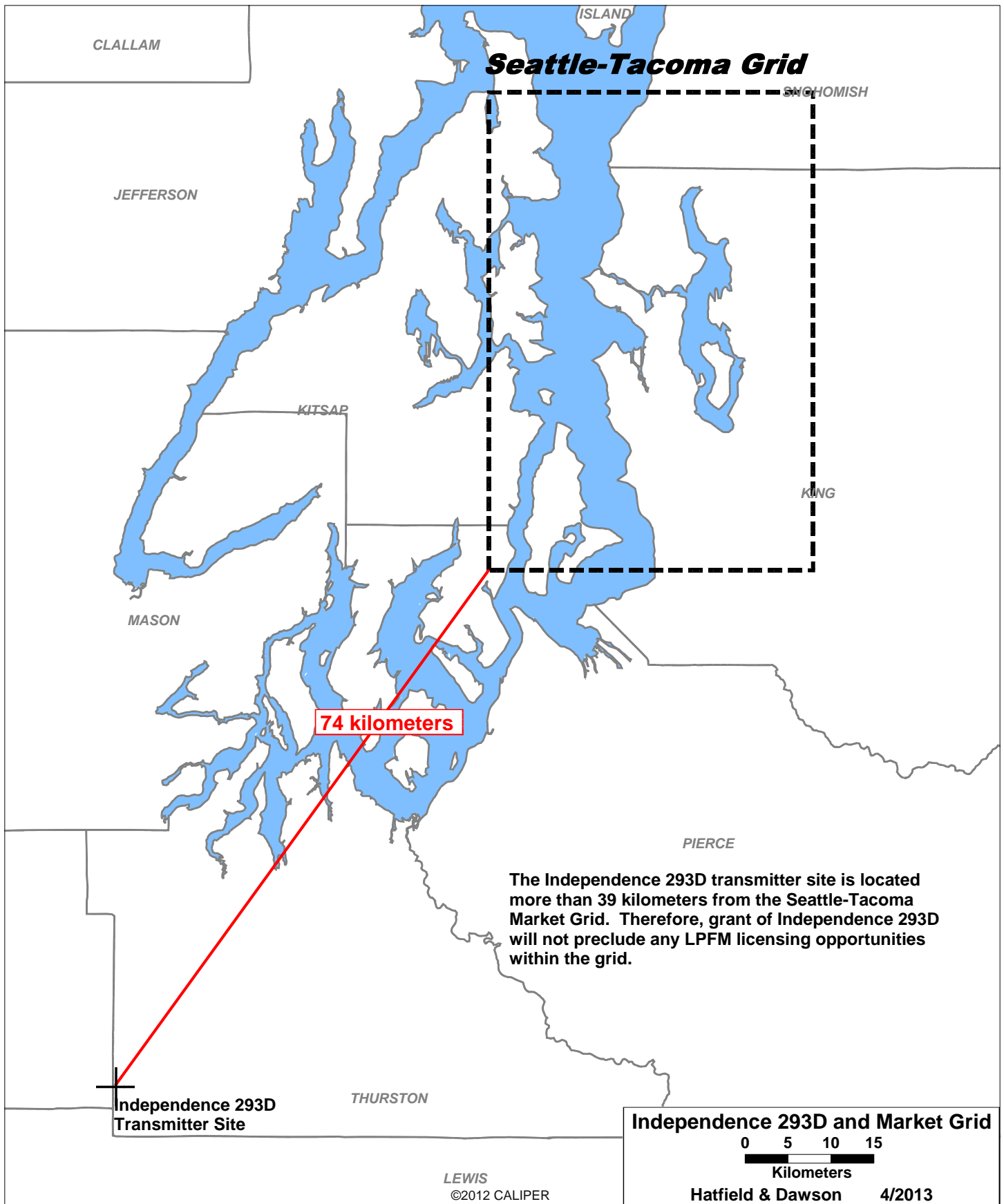
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Point #038 at 46-47-58 123-07-24

Point #061 at 46-48-58 123-09-24



Seattle-Tacoma Grid

74 kilometers

The Independence 293D transmitter site is located more than 39 kilometers from the Seattle-Tacoma Market Grid. Therefore, grant of Independence 293D will not preclude any LPFM licensing opportunities within the grid.

Independence 293D and Market Grid

