

Vigoride-3 Spacecraft

NGSO Antenna Gain Plots

Rev 1

12/15/2021

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Revision History

Revision Number	Updates	Page #	Author	Date
1	Initial Release	All	Sam Avery	12/15/21

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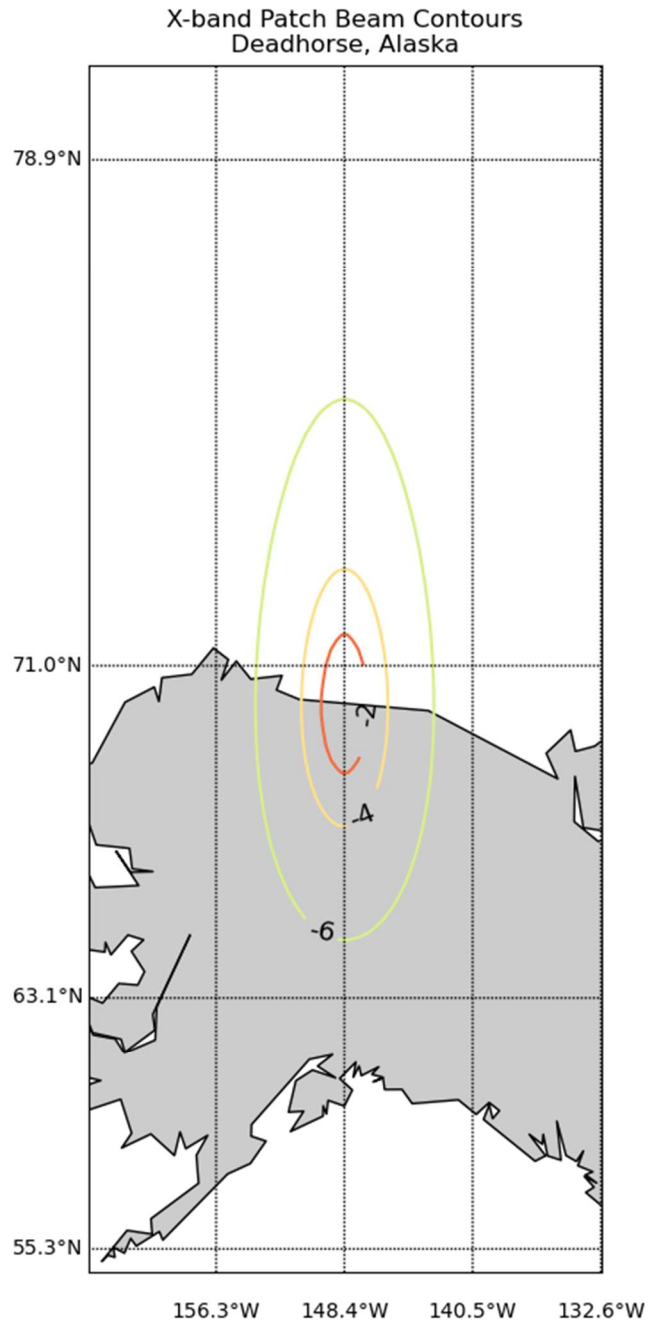
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I. Introduction

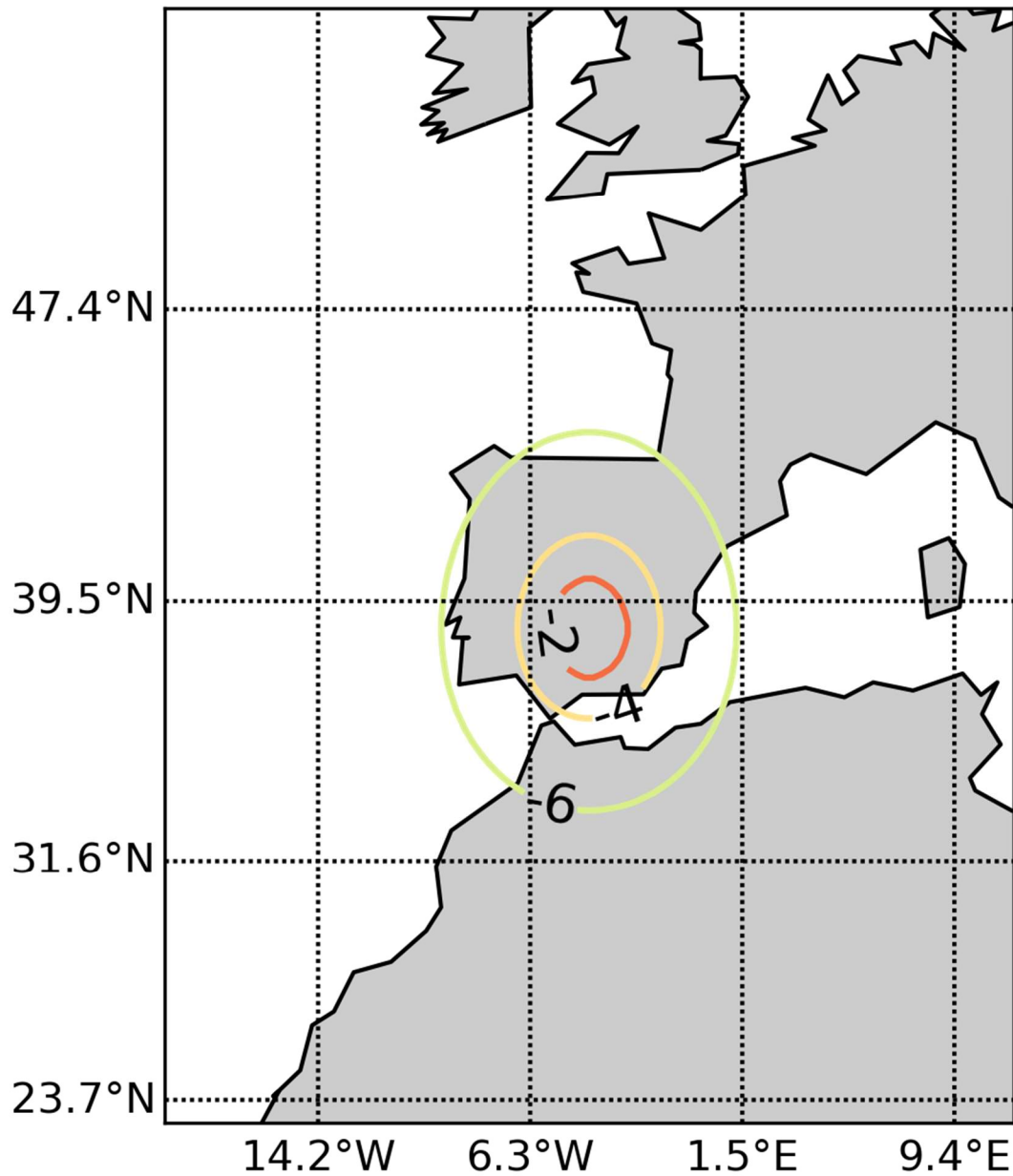
All contour plots show a map of the Earth out to the horizon for each ground station and satellite antenna pair. The plot labels indicate antenna gain contours in 2 dB steps down to 10 dB below the peak gain. For instance, a contour label of “-2” indicates 2 dB below the maximum gain for that antenna.

Note that for some gain contour plots, lower gain (greater than 6 dB below the peak) is beyond the horizon and is not shown in the plots.

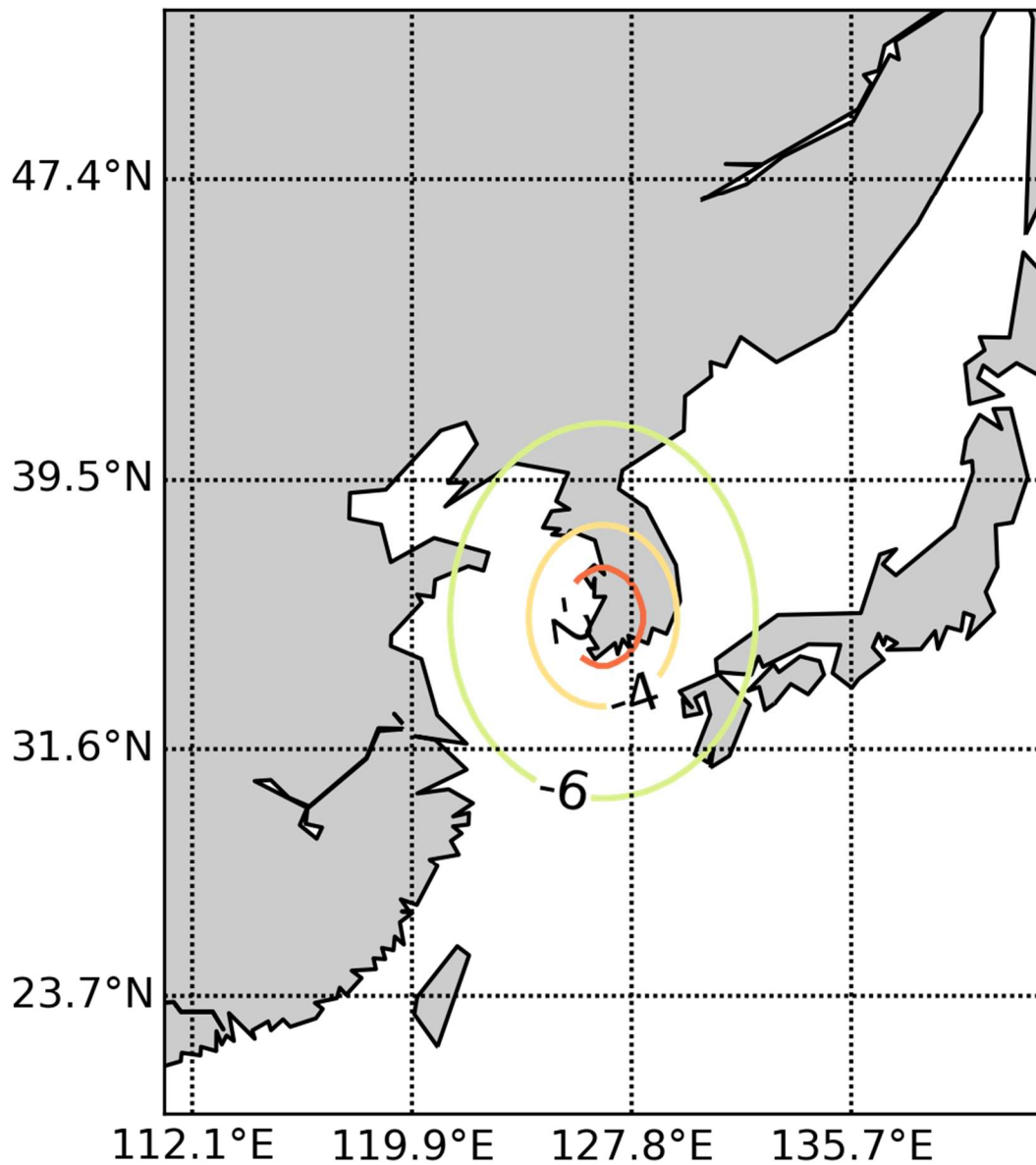
II. Downlink Gain Contour Plots



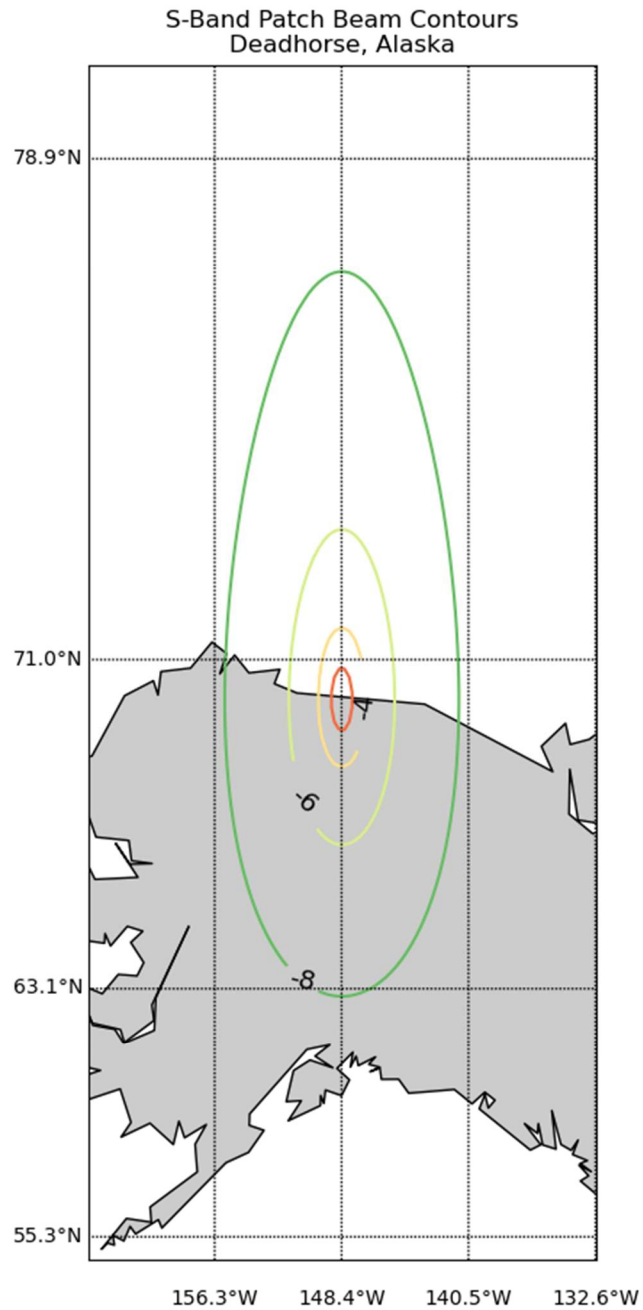
X-band Patch Beam Contours Puertollano, Spain



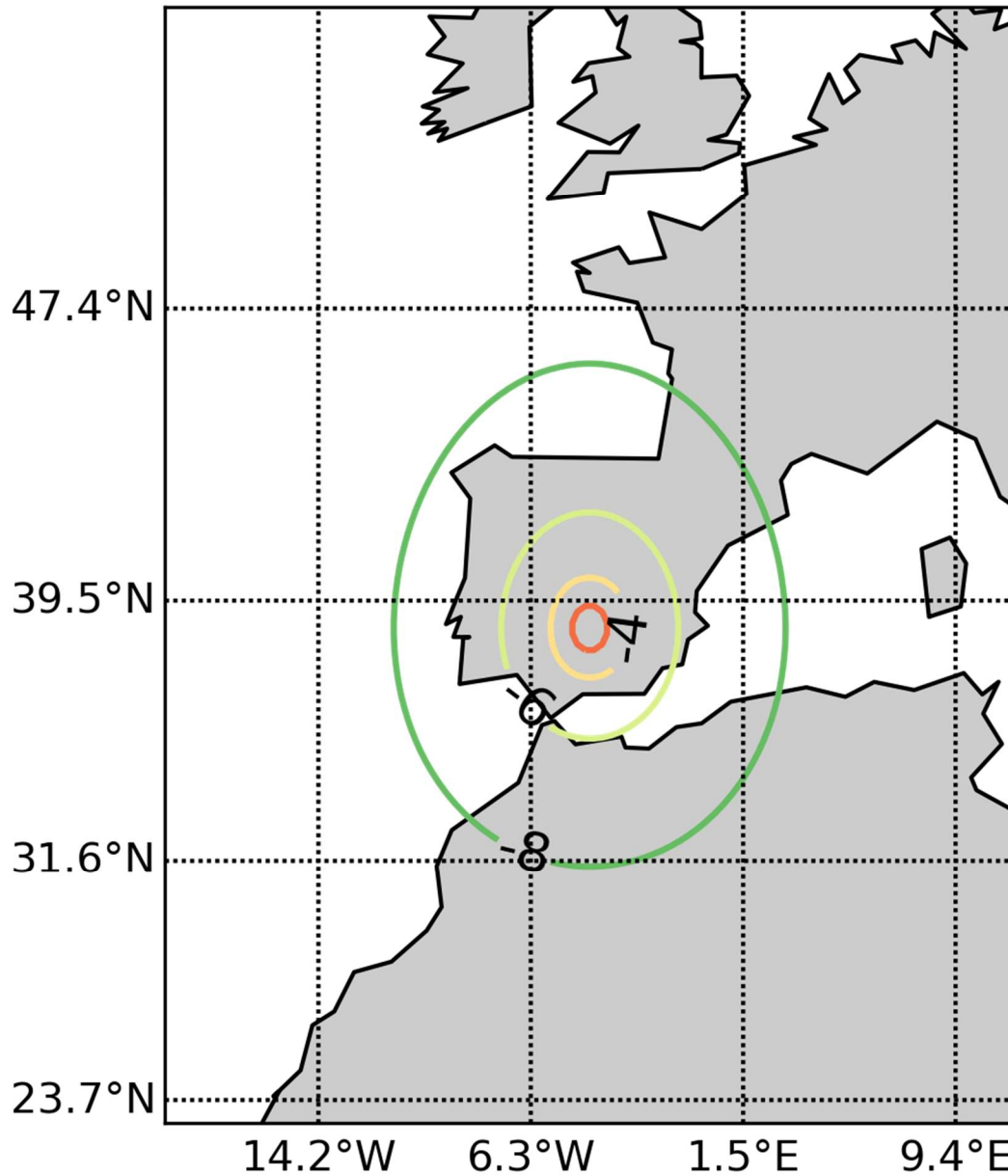
X-band Patch Beam Contours Jeju Island, South Korea



III. Uplink Gain Contour Plots



S-Band Patch Beam Contours Puertollano, Spain



S-Band Patch Beam Contours Jeju Island, South Korea

