

Vigoride-5 Spacecraft NGSO Antenna Gain Plots

Rev 2

04/29/2022

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Revision History

Revision Number	Updates	Page #	Author	Date
1	Initial Release	All	Sam Avery	03/10/22
2	Updated ground stations	All	Sam Avery	04/29/22

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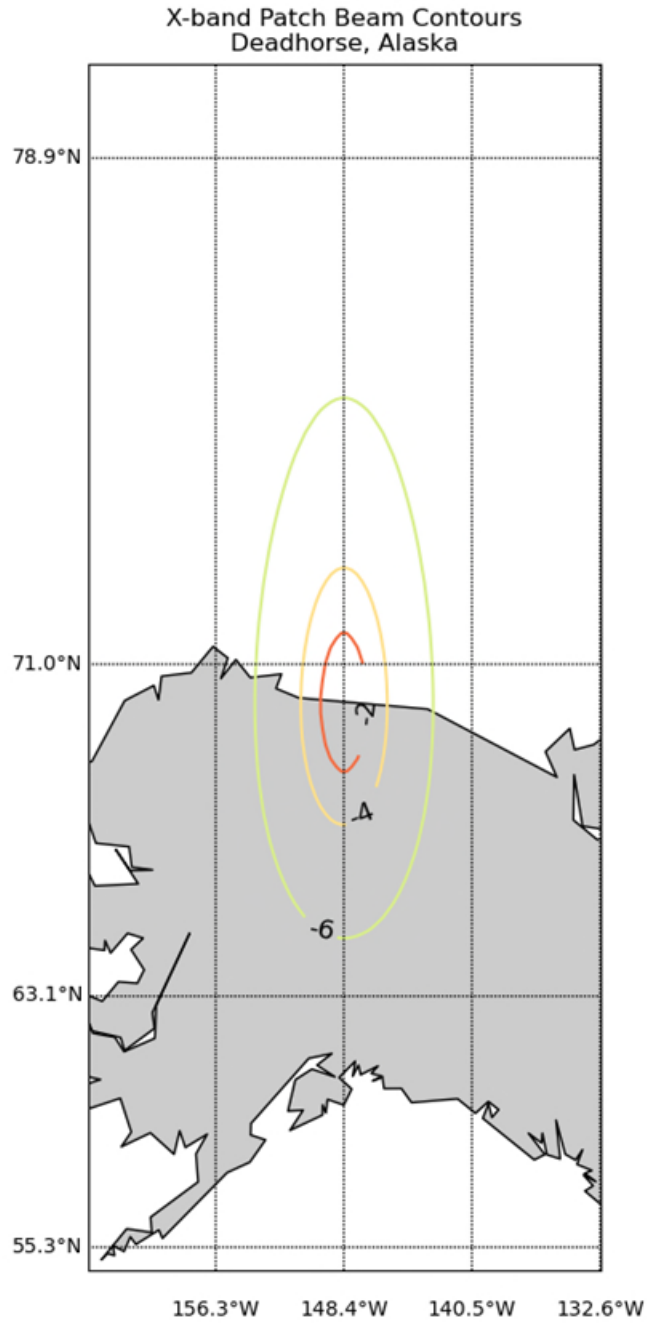
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I. Introduction

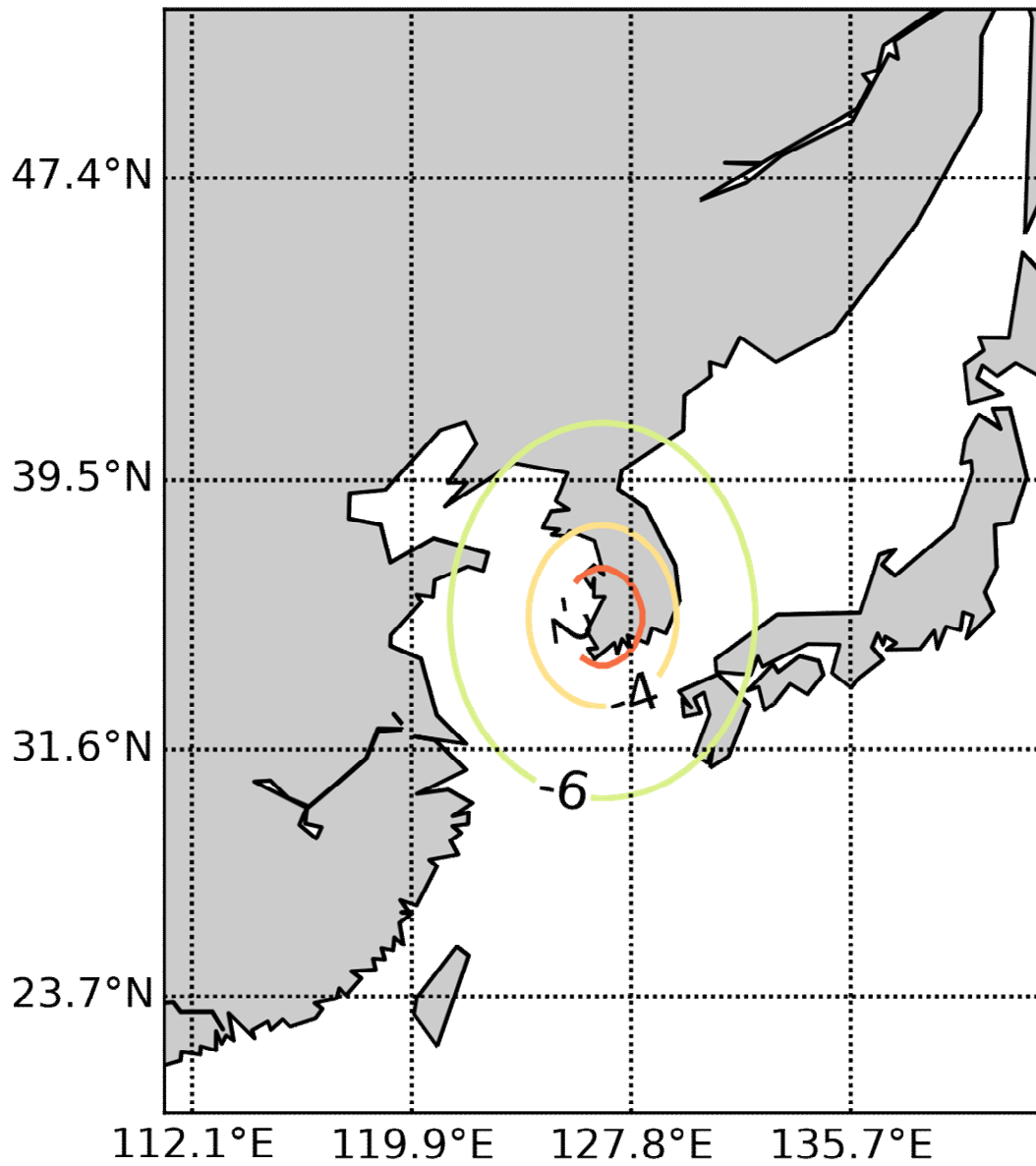
All contour plots show a map of the Earth out to the horizon for each ground station and satellite antenna pair. The plot labels indicate antenna gain contours in 2 dB steps down to 10 dB below the peak gain. For instance, a contour label of “-2” indicates 2 dB below the maximum gain for that antenna.

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.

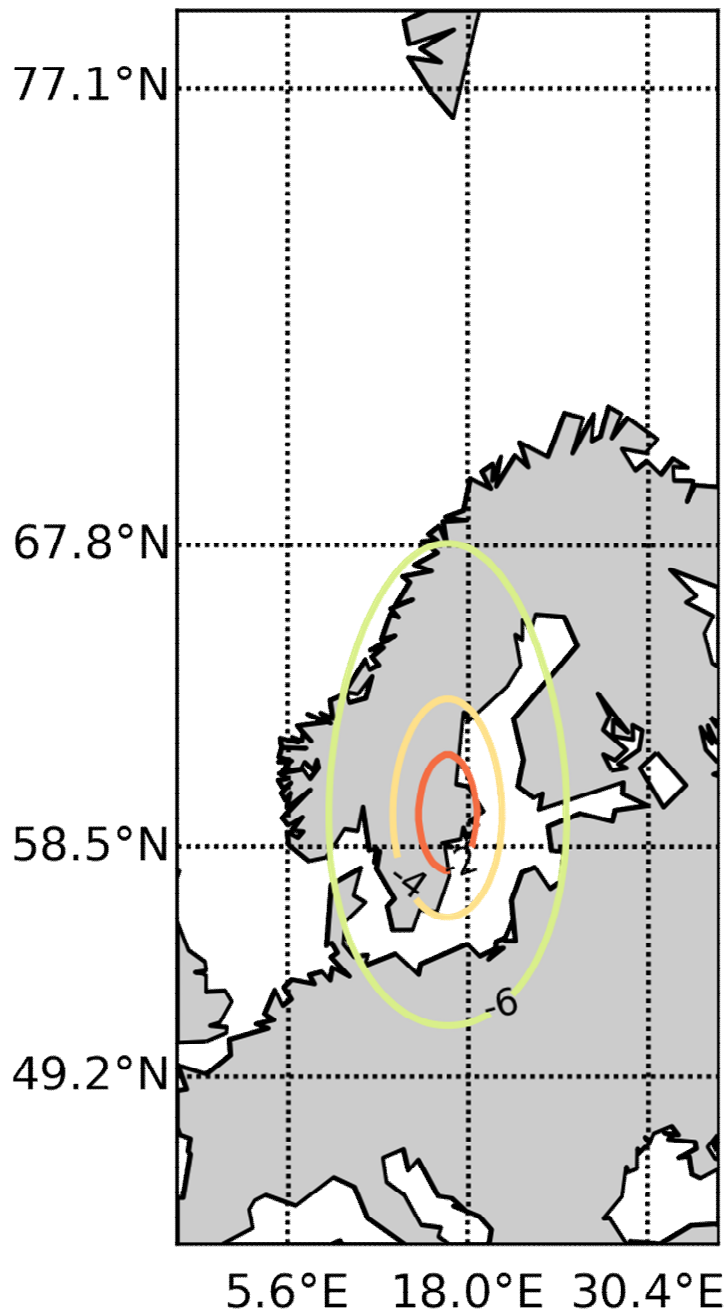
II. Downlink Gain Contour Plots



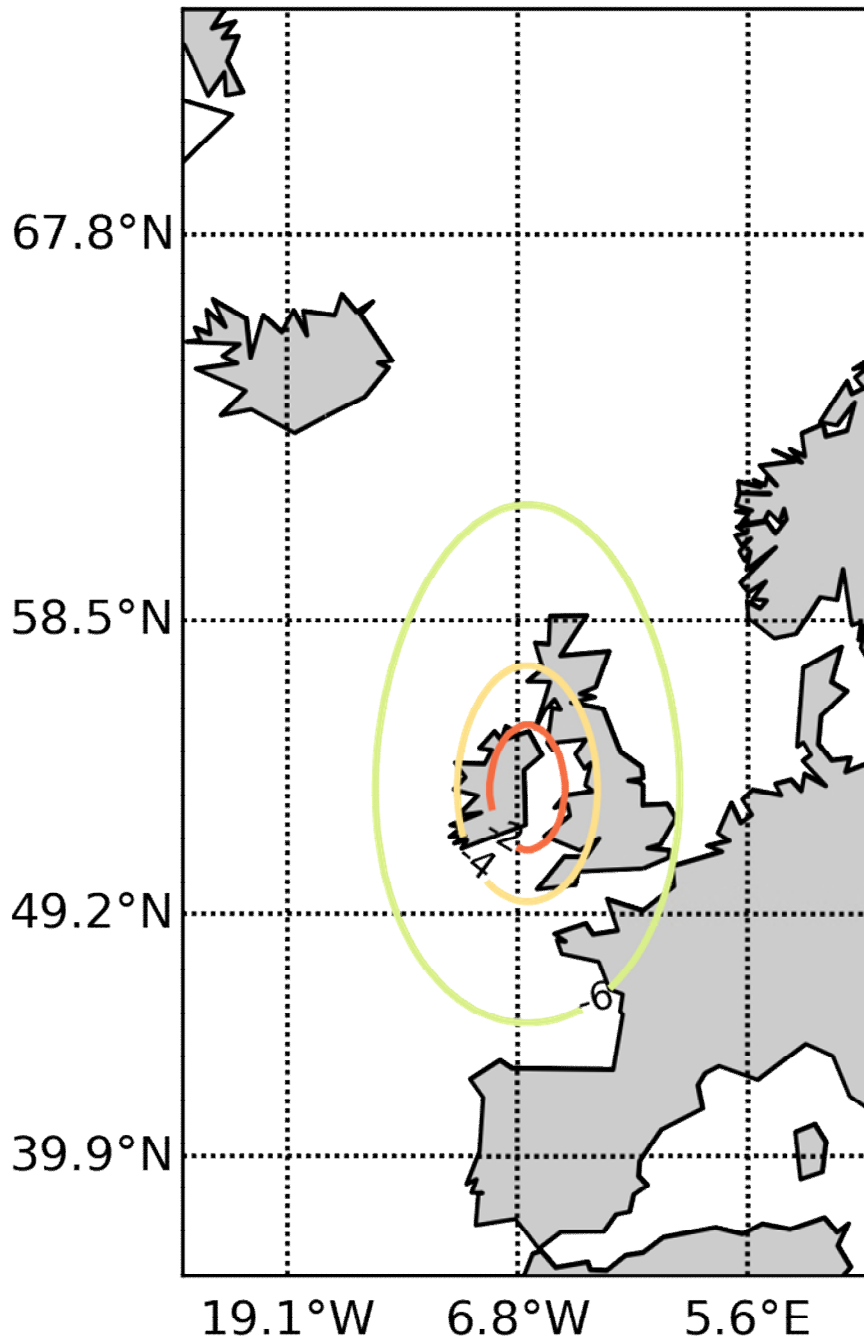
X-band Patch Beam Contours Jeju Island, South Korea



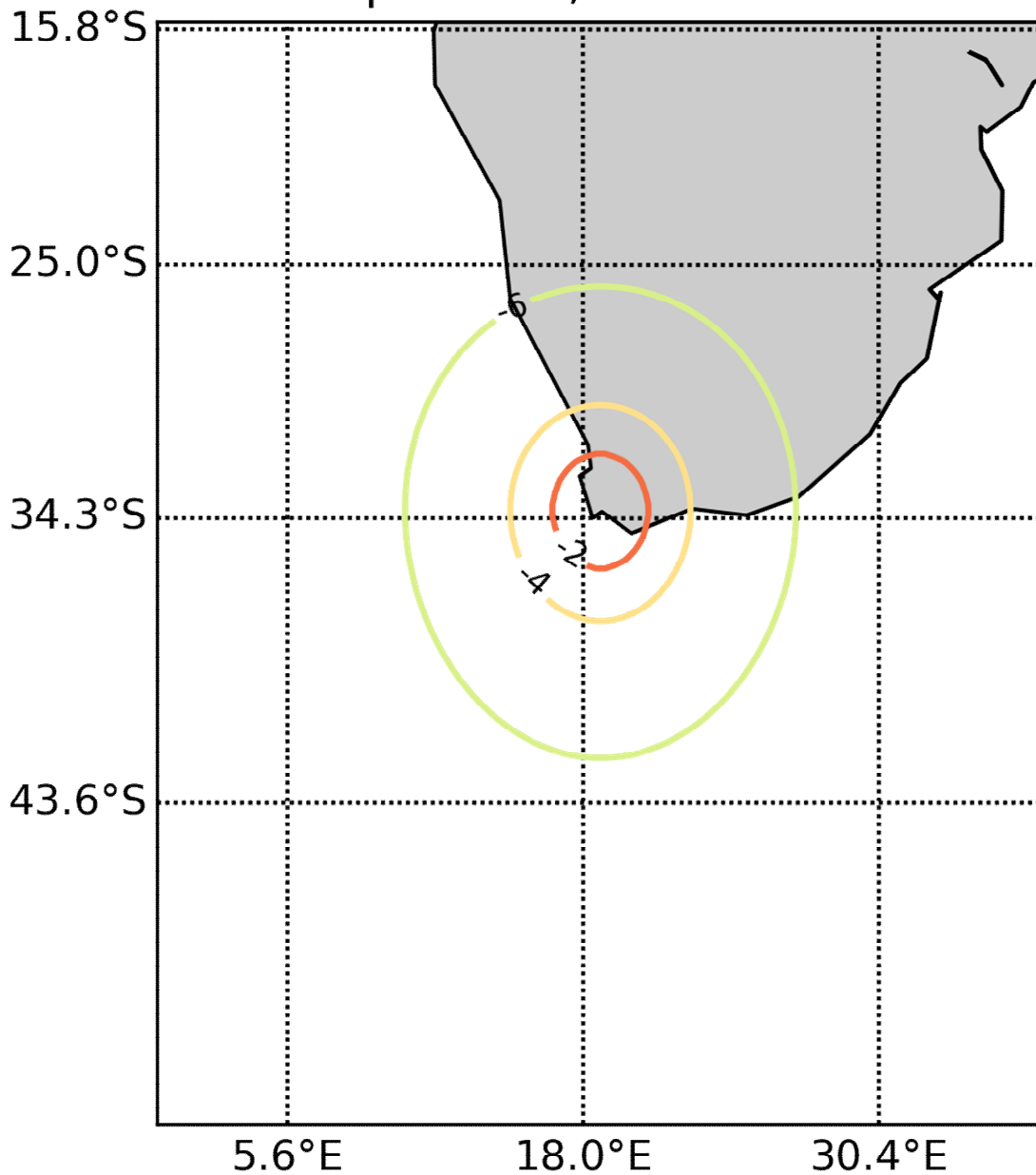
Endurosat X-band Patch Beam Contours Stockholm, Sweden



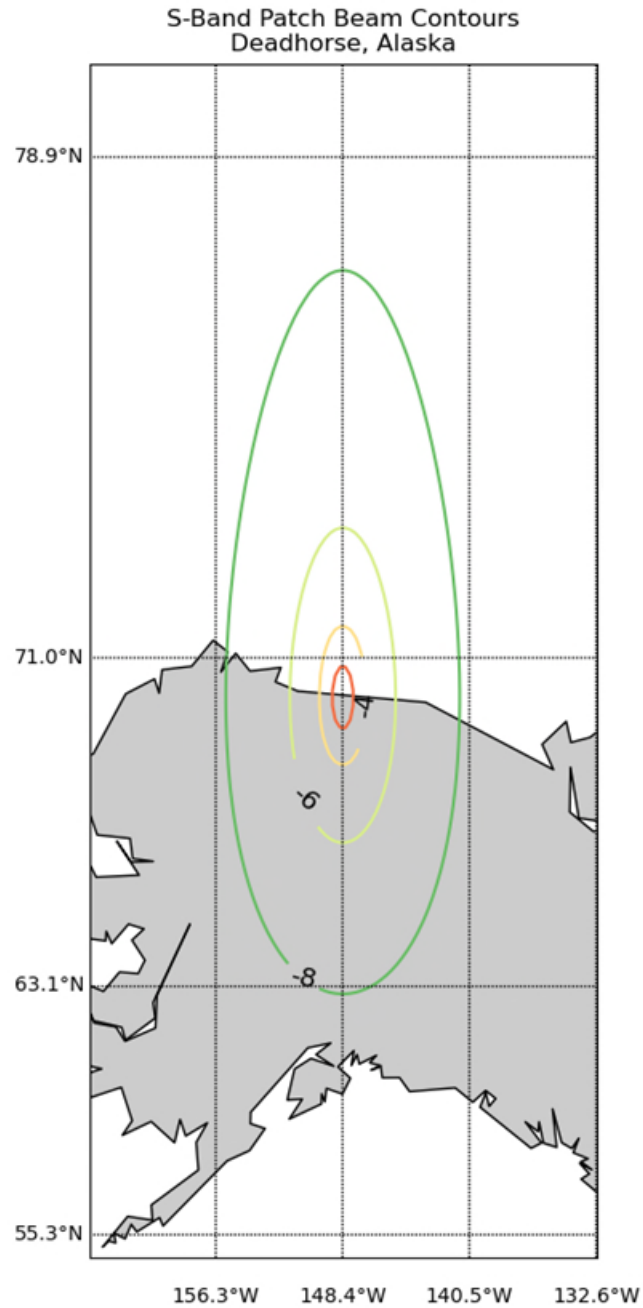
Endurosat X-band Patch Beam Contours Dublin, Ireland



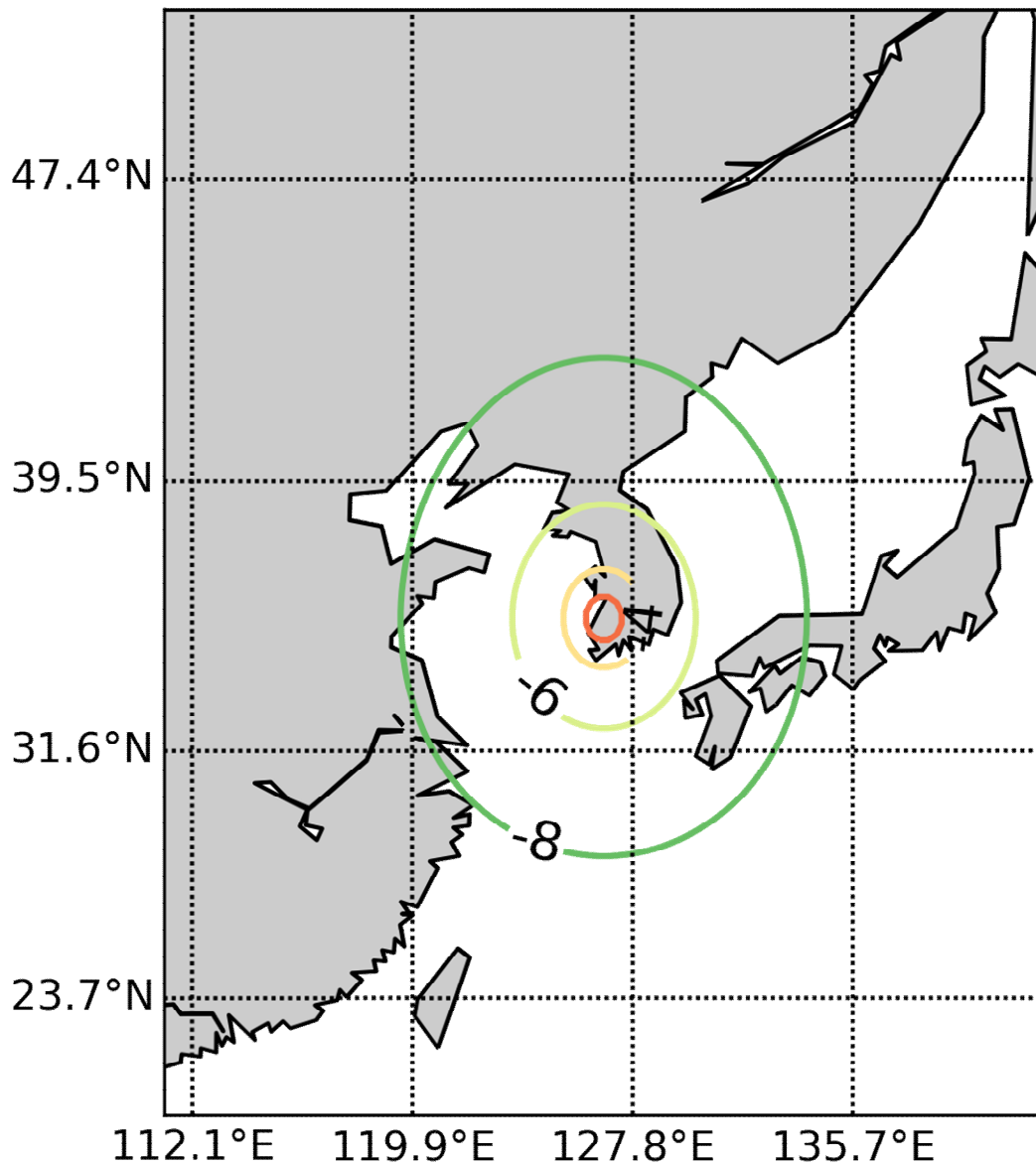
Endurosat X-band Patch Beam Contours Cape Town, South Africa



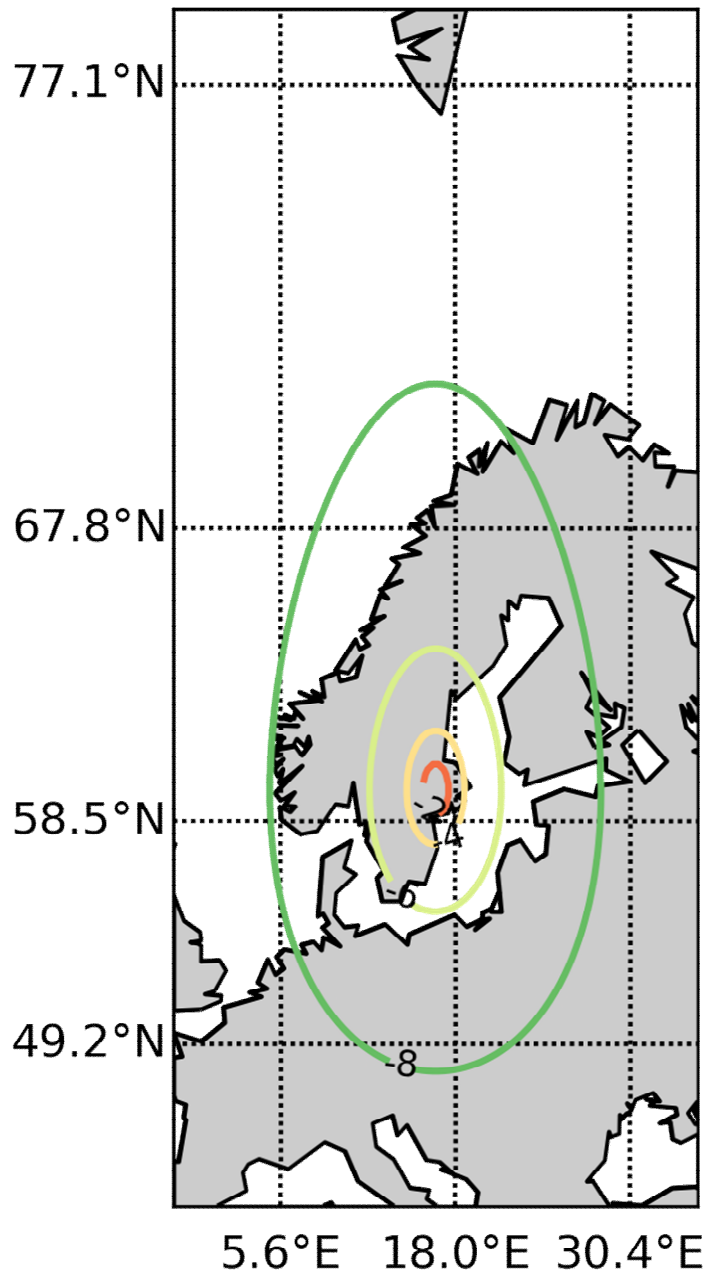
III. Uplink Gain Contour Plots



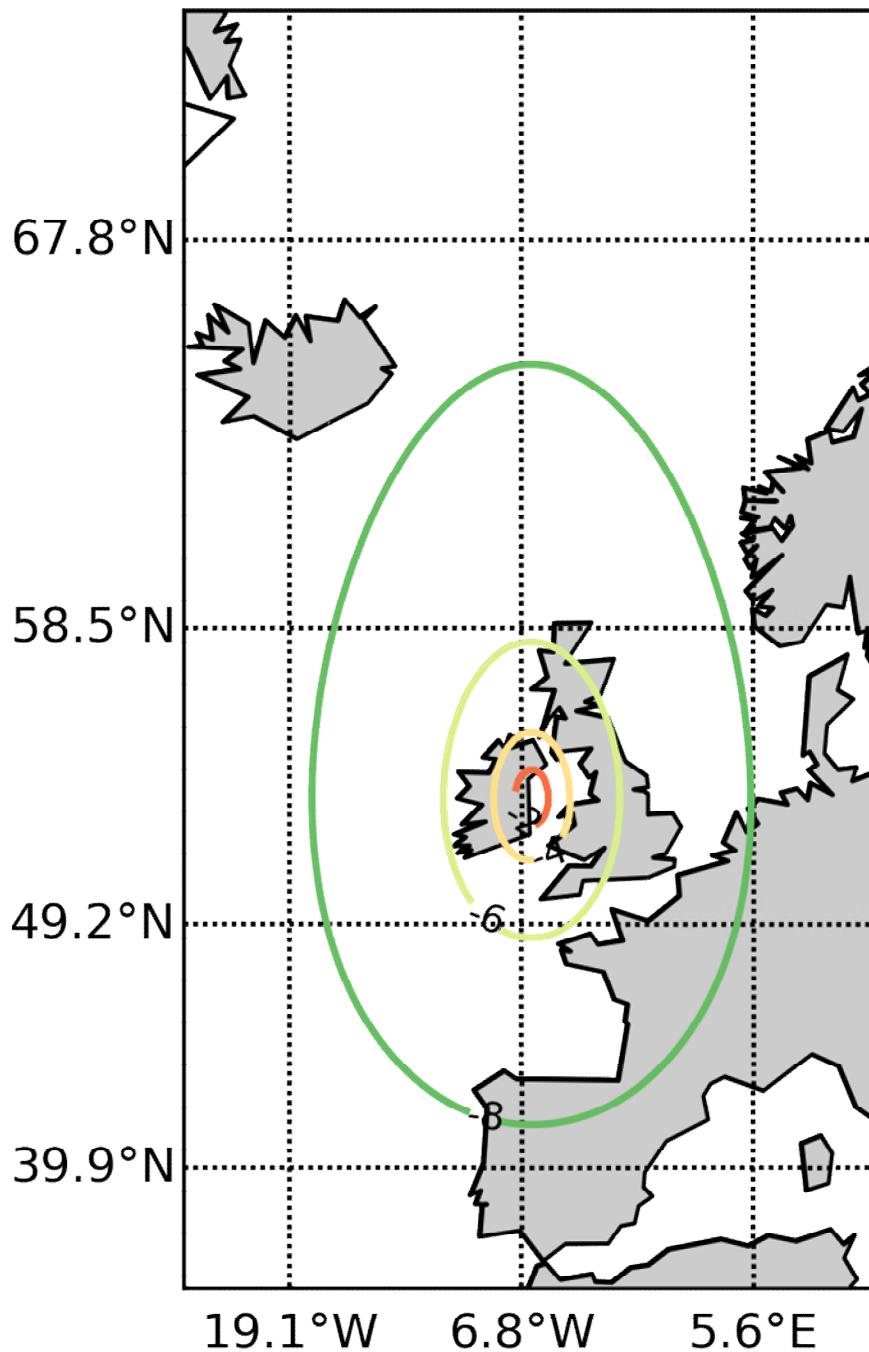
S-Band Patch Beam Contours Jeju Island, South Korea



Endurosat S-Band Patch Beam Contours Stockholm, Sweden



Endurosat S-Band Patch Beam Contours Dublin, Ireland



Endurosat S-Band Patch Beam Contours Cape Town, South Africa

