

# **Vigoride-1 Spacecraft**

## **NGSO Antenna Gain Plots**

v2

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## Revision History

Revision Number	Updates	Page #	Author	Date
1	Initial Release	All	Sam Avery	08/07/20
2	Updated contour labels	All	Sam Avery	08/08/20

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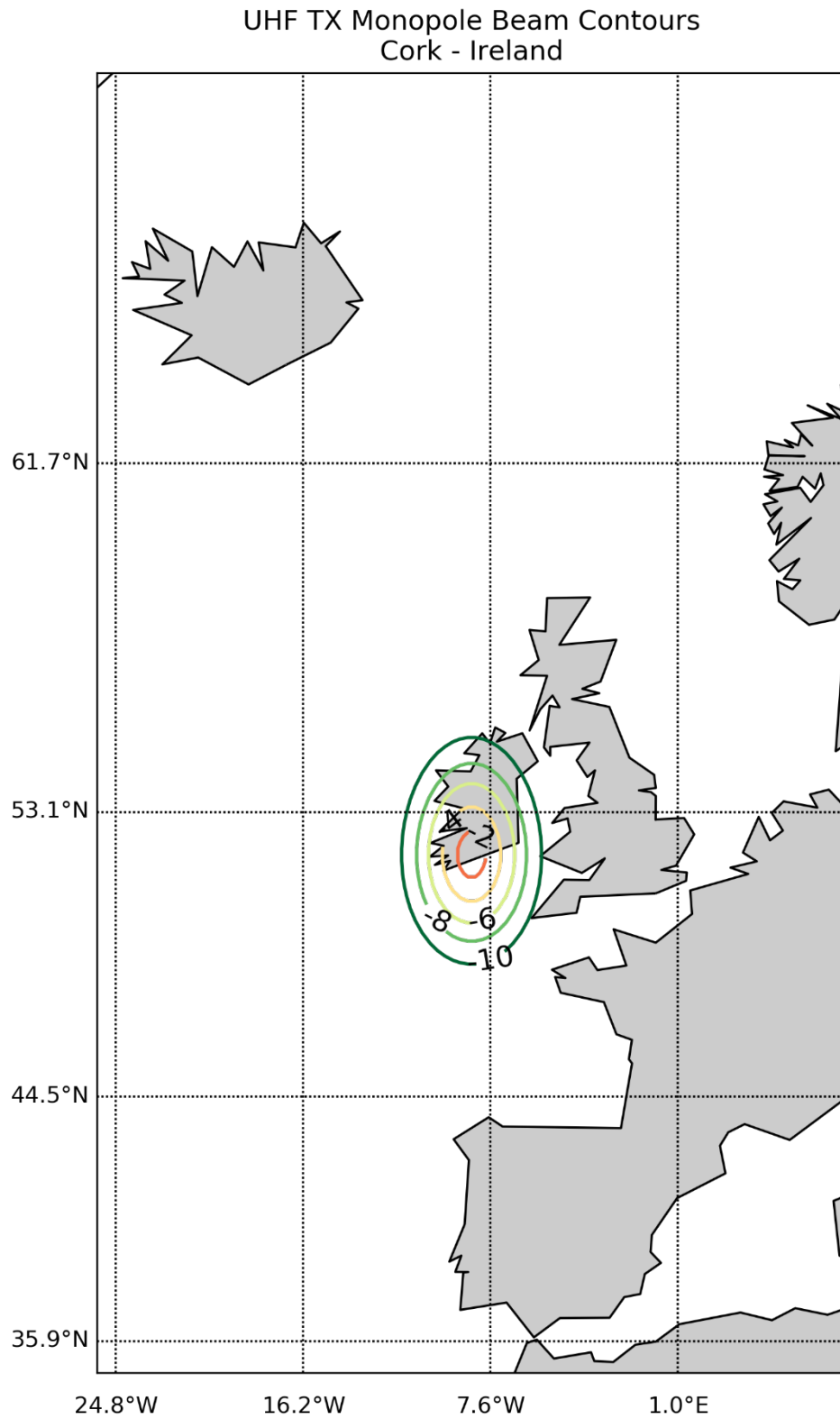
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## **I. Introduction**

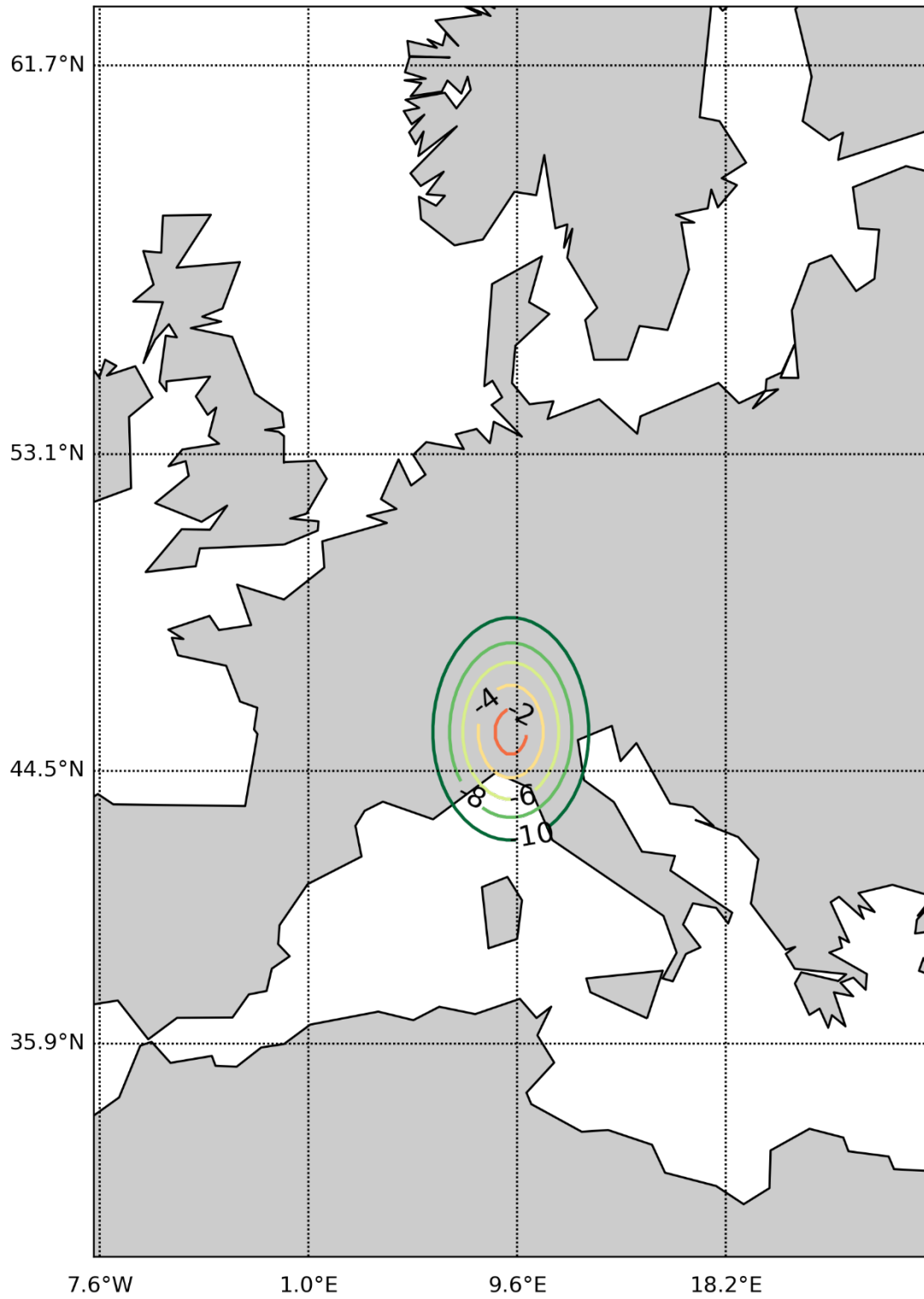
All contour plots show a map of the Earth out to the horizon for each ground station and satellite antenna pair. The plot labels indicate antenna gain contours in 2 dB steps down to 10 dB below the peak gain. For instance, a contour label of “-2” indicates 2 dB below the maximum gain for that antenna.

Note that for the Uplink (S-band receive) gain contour plots, the point of 10 dB below peak gain is beyond the horizon and is not shown in the plots.

## II. Downlink Gain Contour Plots

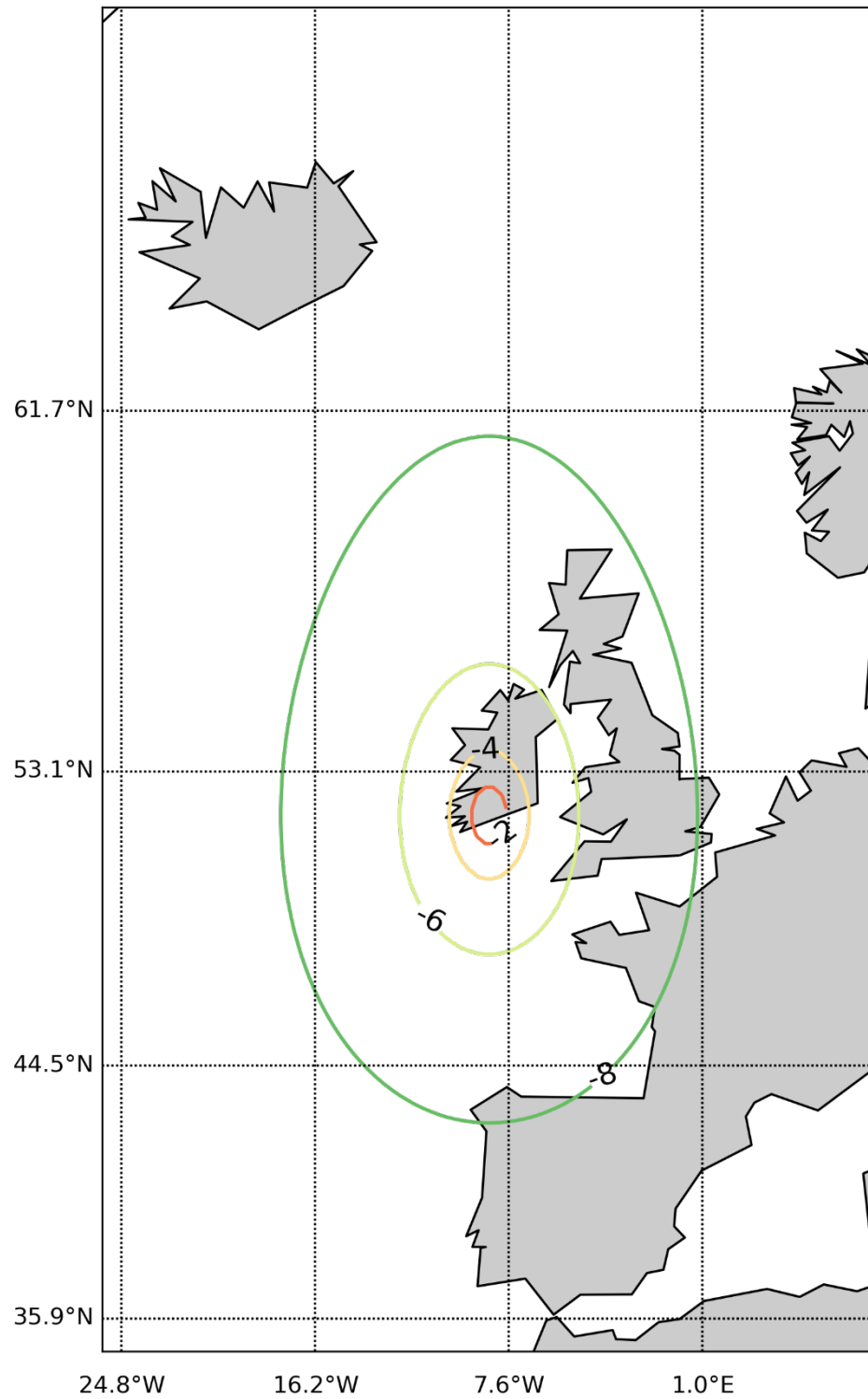


UHF TX Monopole Beam Contours  
Vimercate - Italy



### III. Uplink Gain Contour Plots

S-Band RX Patch Antenna Beam Contours  
Cork - Ireland



S-Band RX Patch Antenna Beam Contours  
Vimercate - Italy

