

Interactive comment on “Uncertainty of atmospheric microwave absorption model: impact on ground-based radiometer simulations and retrievals” by Domenico Cimini et al.

Anonymous Referee #2

Received and published: 8 August 2018

The paper is scientifically sound and well written. I recommend publication. I only have a very minor suggestion: Please consider adding the citation: Wentz, F., and T. Meissner, Atmospheric Absorption Model for Dry Air and Water Vapor at Microwave Frequencies below 100 GHz Derived from Spaceborne Radiometer Observations, *Radio Sci.*, 51, doi:10.1002/2015RS005858, 2016. in the context of the water vapor continuum. The satellite results on the vapor continuum seems to match the ground observation by Turner et al. 2010 pretty well.

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2018-536>, 2018.