

Abstract

A network node is described which is configured for use in space, comprising a transmission interface for transmitting radio frequency signals, a reception interface
5 for receiving radio frequency signals, a network management module for determining communication session information, a controller arranged to control the transmission interface and the reception interface in accordance with session information provided by the network management interface, wherein the transmission and reception
10 interfaces are for receiving data from terrestrial nodes and space-borne nodes. Also described are a network entity comprising the network node and a plurality of adaptive antennas, a satellite containing the network entity and a user equipment device configured for communication with the network node.

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Figure 1