ABSTRACT

SYSTEM FOR AUTHENTICATING AND AUTHORIZING ACCESS TO AND ACCOUNTING FOR WIRELESS ACCESS VEHICULAR ENVIRONMENT CONSUMPTION BY CLIENT DEVICES

A system and method are disclosed for authenticating and authorizing access to and accounting for consumption of bandwidth for IPv6 connectivity to the Internet over Wireless Access Vehicular Environment (WAVE) service channels by client devices using an Authentication, Authorization and Accounting (AAA) server. The AAA server authenticates and authorizes client devices to access WAVE service channels, and accounts for bandwidth consumption by the client devices using WAVE service channels to access the Internet. The AAA server enables an RSU infrastructure operator to quantify wireless bandwidth consumption by in-vehicle devices using the WAVE Service Channels, on a per-device basis.

[Figure:1]