

NETWORK MANAGEMENT USING PERIODIC MEASUREMENTS OF INDICATORS

ABSTRACT

A beacon signal used in data communications, such as the IEEE 802.11, is provided with data extensions. The data extensions permit additional information to be provided by the beacon signal. Periodic beacon requests are made during connection between a wireless transmit/receive unit (WTRU, 17, 18, 19) and an access point (AP) on a WLAN (12, 13). A Measurement Request field (26) corresponding to a beacon request contains a measurement duration value and channel number for which the request applies. The beacon request permits a scan mode, which includes 'Active Scan' mode, 'Passive Scan' mode and 'Beacon Table' mode.

Figure 2