MEASUREMENT SUPPORT FOR A SMART
ANTENNA IN A WIRELESS COMMUNICATION SYSTEM

Abstract

A method for taking measurements with a smart antenna in a wireless communication system having a plurality of STAs begins by sending a measurement request from a first STA to a second STA. At least two measurement packets are transmitted from the second STA to the first STA. Each measurement packet is received at the first STA using a different antenna beam. The first STA performs measurements on each measurement packet and selects an antenna beam direction based on the measurement results.

Fig. 4