Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Number of receive and transmit antenna capability for AAS enabled MSS**
Date Submitted	**2004-11-04**
Source(s)	Kevin Baum Mark Cudak [mailto: Mark.Cudak@motorola.com] Tim Thomas Fred Vook Xiangyang (Jeff) Zhuang Motorola Labs 1301 E. Algonquin Road Schaumburg, IL 60196
Re:	IEEE P802.16-REVe/D5-2004, Sponsor Ballot
Abstract	MSS capability encoding to identify how many receive and transmit antennas a MSS is configured with.
Purpose	Adoption of proposed changes into P802.16e
Notice	
Release	
Patent Policy and Procedures	

Number of receive and transmit antenna capability for AAS enabled MSS

Kevin Baum, Mark Cudak, Tim Thomas, Fred Vook, Xiangyang (Jeff) Zhuang
Motorola Labs

1 Introduction

AAS capable mobiles may be configured with different numbers of transmit and receive antennas. This configuration must be communicated to the base station so that the appropriate AAS modes may be employed.

2 Proposed Text Changes

---------- Beginning of Text Changes ----------

[Add a new section 11.7.8.12]

11.7.8.12 Number of Antennas

This field indicates how many receive and transmit antennas are present in an AAS enabled MSS

Type	Length	Value	Scope
22	1	Number of receive antennas	REG-REQ REG-RSP
23	2	Number of transmit antennas	REG-REQ REG-RSP