



Technical Note

WiMAX 700 MHz

EasyST 700 MHz

Connecting the World with Wireless Access Solutions

Revision Record: WiMAX 700 MHz		
Pub/ Rev	Date	Update Description
01	January- 21	
Publication No. 28080511-01		

© Copyright by **Airspan Networks LTD.**, 2003. All rights reserved worldwide.

The information contained in this document is proprietary and is subject to all relevant copyright, patent and other laws protecting intellectual property, as well as any specific agreement protecting **Airspan Networks LTD.** rights in the aforesaid information. Neither this document nor the information contained herein may be published, reproduced or disclosed to third parties, in whole or in part, without the express, prior, written permission of **Airspan Networks LTD.** In addition, any use of this document or the information contained herein for any purposes other than those for which it was disclosed is strictly forbidden.

Airspan Networks LTD. reserves the right, without prior notice or liability, to make changes in equipment design or specifications.

Information supplied by **Airspan Networks LTD.** is believed to be accurate and reliable. However, no responsibility is assumed by **Airspan Networks LTD.** for the use thereof nor for the rights of third parties which may be effected in any way by the use thereof.

Any representation(s) in this document concerning performance of **Airspan Networks LTD.** product(s) are for informational purposes only and are not warranties of future performance, either express or implied. **Airspan Networks LTD.** standard limited warranty, stated in its sales contract or order confirmation form, is the only warranty offered by **Airspan Networks LTD.** in relation thereto.

This document may contain flaws, omissions or typesetting errors; no warranty is granted nor liability assumed in relation thereto unless specifically undertaken in Airspan Networks LTD. sales contract or order confirmation. Information contained herein is periodically updated and changes will be incorporated into subsequent editions. If you have encountered an error, please notify Airspan Networks LTD. All specifications are subject to change without prior notice.

1. Scope

This document provides a description of the WiMAX 700 MHz product.

2. EasyST

A subscriber premises radio, EasyST 700 MHz TDD Int., is part of a WiMAX broadband fixed cellular wireless access system. The system provides a radio link between an end-user (a subscriber) and a network to give high-speed data access. The EasyST's transceiver/receiver (Up to 64 QAM modulation, data rate up to 37Mbps) uses OFDM and operating in TDD duplexing mode, equipped with a 15 dBi Ext. antenna. The maximum RF output power (not including antenna gain) is 25.9 dBm and it can be reduced by software.

The EasyST is a safe install unit and located indoor. The EasyST transmits and receives traffic to and from the base station (i.e. BSR) respectively. The transceiver provides subscribers with "always-on" Internet, high speed data only, or data and voice (VoIP) services and is configured with a unique BSR reference number, preventing the EasyST from relocating to another subscriber premises without authorization.

2.1. EUT (EasyST) test configuration

The EUT ports and lines description is given in the table below.

Port type	Port description	Connector type	Quantity	Cable type	Cable length (m)	Indoor /outdoor	Connected to
DC	6 VDC	DC	1	-	1	Indoor	DC PS
RJ45	Ethernet.	RJ45	1	RJ45	1	Indoor	PC
Antenna	RF output/input	MCX	1	-	-	Indoor	External antenna