香港城市大學
City University
of Hong Kong

Department of
Electronic Engineering

State Key Laboratory of
毫 Millimeter Waves
米
波 國家重點實驗室（香港）

IEEE (HK) Section
AP/MTT

Short Course on

Training for City University of Hong Kong Orbit/FR MIDAS Upgrade

by

Mr. Lior Shmidov
ORBIT/FR Engineering Ltd.,
Israel

Abstract

The CityU compact antenna range equipping with HP8530 antenna receiver and Orbit positioner, controller and MIDAS antenna measurement and analysis software has been providing the state-of-the-art antenna pattern measurements for the past 16 years. The system has been upgraded with

- HP 85301C to Agilent 40G PNA

- MIDAS software version at 2001 to version 6.1 at 2012

- PC platform Win2000 CPU 800 MHz to WinXP CPU 2.4 GHz

The measurement speed and synchronization has been greatly improved with

- New MIDAS SW Revision with new and update features

- New Orbit FR MIDAS Agilent PNA Driver (vs. HP 8530 Driver)

- PNA LAN D-COM Instrument Control (vs. GPIB SCPI)

It demonstrated for achieving the following

1. Faster and consistent measurement speed (12 deg/ sec vs. 2.5 deg/ sec)

2. Highly repeatable and consistent measurement antenna patterns.

Biography

Lior Shmidov is currently Software and System Manager of ORBIT/FR Engineering Ltd. He has over 10 years experiences of building far field and near field antenna chambers.

Date	**: 22-23 Feb., 2012 (Wednesday-Thursday)**
Time	**: 10:00am – 5:00pm**
Venue	**: P7822, Academic 1 Building,**
	City University of Hong Kong

*** ALL ARE WELCOME ***

Enquiries: Ms W C Mok, Department of Electronic Engineering
Tel. : 3442 5933   Fax : 2784 4148   e-mail: wcmok0@cityu.edu.hk