



TEQIP II and III Funded

Electromagnetics and Antenna Research Centre (ELARC)

DEPARTMENT OF ELECTRONICS ENGINEERING
BVM ENGINEERING COLLEGE

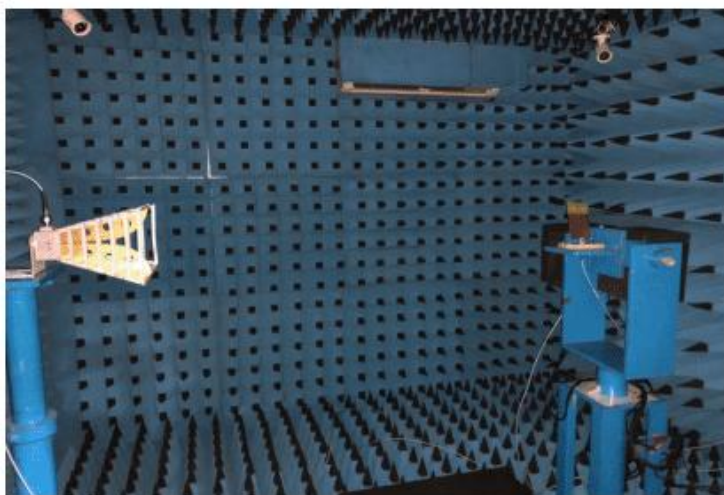


INTRODUCTION

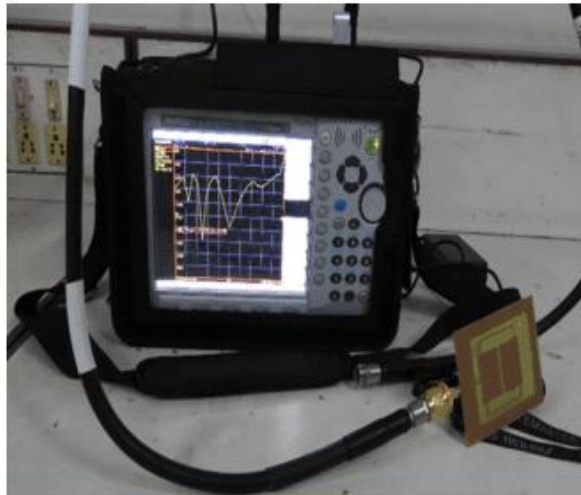
- ♦ The ELARC is a Research Laboratory established in the Electronics Department which caters researchers to explore the field of wireless communication with respect to conventional, planar antennas and RF systems including investigations on meta materials, fractals, biological effects, implantable & energy harvesting.
- ♦ ELARC provides a complete platform for simulation of various antenna designs using HFSS EM simulator version 19.2. The components and antennas designed through software or conventional methods can be fabricated as prototype model using PCB prototyping machine. This machine is capable of engraving, drilling and cutting the shapes of the designed antennas and components using substrate boards such as FR4, Roger etc.
- ♦ Experimental verification and validation of such antennas, components & RF systems can be carried out using the state-of-the-art measuring instruments such as Vector Network Analyzer in the 1 MHz- 15 GHz, Spectrum Analyzer up-to 15 GHz and

FACILITIES AVAILABLE

- ♦ 2-port Network Analyzer (800 MHz to 15 GHz with calibration kit)
- ♦ Spectrum Analyzer (Up-to 15 GHz)
- ♦ HFSS EM simulator version 19.2
- ♦ Anechoic Chamber measuring a size of 4m x 4m x 3m for frequency coverage of 800 MHz- 40 GHz
- ♦ Fixed Transmitter positioner system
- ♦ 3-Axis Receiver Positioner System
- ♦ Reference Horn Antenna
- ♦ Scalar Network Analyzer-2.5 GHz
- ♦ Analyzer and Signal Generator of 3 GHz
- ♦ Testing and Measurement facilities available on basis of prior booking and chargeable.



ANECHOIC CHAMBER



VECTOR NETWORK ANALYZER

CONTACT

Dr. Jagdish M Rathod

Professor I/C

ELARC

M-9428902849/9106862274, Email : jmarthod@bvmengineering.ac.in

DEPARTMENT OF ELECTRONICS ENGINEERING, BVM ENGINEERING COLLEGE

VALLABH VIDYANAGAR - 388 120. GUJARAT, INDIA

Powered by Entuple Pvt Ltd



ELARC Utilization Payment Conditions

Industry/Others

1. Scattering parameter observation and measurements through VNA only: 15000/- Rs + 18 % GST (GST at the applicable rates decided by the government at the time of invoice)
2. Gain Measurement and above testing through Anechoic Chamber: 20000/-18 % GST (GST at the applicable rates decided by the government at the time of invoice)

PhD Scholars

3. Scattering parameter observation and measurements through VNA only: 10000/- Rs + 18 % GST (GST at the applicable rates decided by the government at the time of invoice)
4. Gain Measurement and above testing through Anechoic Chamber: 15000/-18 % GST (GST at the applicable rates decided by the government at the time of invoice)

ME/M Tech Students

1. Scattering parameter observation and measurements through VNA only: 7000/- Rs + 18 % GST (GST at the applicable rates decided by the government at the time of invoice)
2. Gain Measurement and above testing through Anechoic Chamber: 10000/-18 % GST (GST at the applicable rates decided by the government at the time of invoice)

BE/B Tech Students

1. Scattering parameter observation and measurements through VNA only: 4000/- Rs + 18 % GST (GST at the applicable rates decided by the government at the time of invoice)
2. Gain Measurement and above testing through Anechoic Chamber: 6000/-18 % GST (GST at the applicable rates decided by the government at the time of invoice)

Please pay through DD or Cheque. It is payable in favour to **Principal, BVM Engineering College**.

s/d

Please put following acknowledgment in papers and thesis also.

- **Acknowledgment:**

The research was performed and carried out at the **ELARC-Electromagnetics and Antenna Research Centre**, which is operated for BVM Engineering College, Vallabh Vidya Nagar-Gujarat-India by Electronics Engineering department.

Letter for Utilization

To,

Principal/Professor I/C ELARC,
Department of Electronics Engineering,
BVM Engineering College,
V V Nagar

Date: _____

Kind Attention: Dr.J M Rathod-Professor I/C-ELARC (Electromagnetics and Antenna
Research Centre)

Subject: Request for ELARC Utilization on 14-10-2019

Dear Sir,

I am _____, Entuple Technologies Pvt Ltd. Ahmedabad is interested to test our GPS Antenna. We Er. Kush Parikh, Er.Vishal Khardi and Er Ashray from Entuple Technologies Pvt Ltd. Ahmedabad are coming to you for ELARC Utilization on 14-10-2019. We are going to use this lab from 11:00 am to 3:00 pm.

Kindly give permission for this.

Thanking you,

Name

Sr.Application Engineer,

Institute Name /Company name

Place