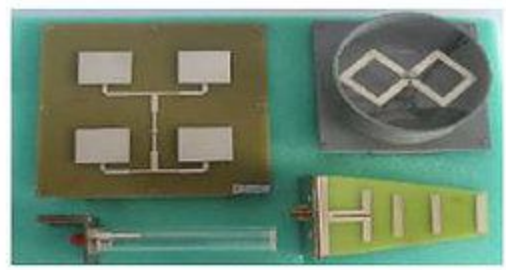
Antenna Trainer Kit (S Band : 2-3GHz)

antennas for offering practical training to students in Engineering Colleges.



- Dipole antenna and Yagi antenna (planar)
- Slot antenna & Log periodic antenna (planar)
- Patch antenna (single patch)
- EM coupled antenna (Single patch)
- EM coupled antenna (Two patch)
- Notch antenna (planar)
- Stripline Directional Coupler
- Biquad standard reference antennas
- Antenna tripod stand
- Signal Source – 2.0-3.0 GHz
- RF Power Meter 2.0-3.0 GHz & RF Sensor 2.0-3.0 GHz
- VSWR Meter
- Microwave Detector (DC-3 GHz)
- RF Cable 1m & BNC Cable
- Coaxial matched loads – 50 Ohms & Short
- Adapter N(M) to SMA(F), Adapter SMA F-F & Adapter SMA M-M

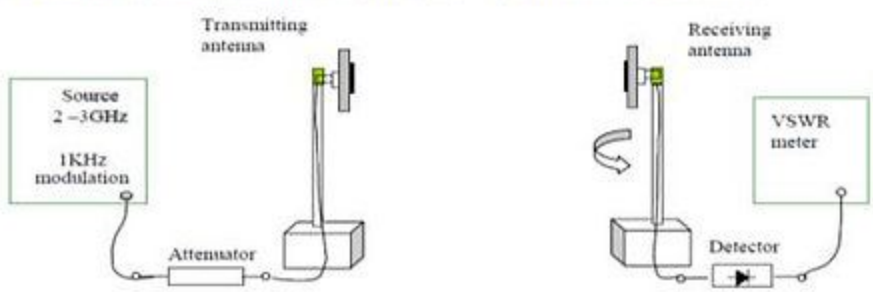
- All antennas are fitted with coaxial connectors
- Resonant frequency is around 2.5GHz

Experiments:

experiments can be performed on the antennas over the frequency range 2.0 – 3 GHz.

1. Measurement of input return loss and bandwidth
2. Measurement of radiation patterns
3. Measurement of gain and directivity

The necessary accessories (such as the coaxial matched load, short, attenuator pads & cables.) for the complete experimental setup are supplied. The Antenna Manual contains the theory of the above antennas, measurement techniques and step by step experimental procedure.



Typical test setup for measurement of radiation pattern, gain and directivity of antennas

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