

AT3200 Antenna Training System



AT3200 Antenna Training System is including the transmission mode and augmented antenna. And according to the different types of operation there is different antenna. RF signal generator controls the direction of the antenna and provide 500MHz, 2GHz, 10GHz RF signal.

Since the Antenna Training System using higher-frequency, it is possible to do experiments of the propagation velocity in the narrow band, and it is also make the relocation and safekeeping much easier. Especially, after the radio transponder transmitting and receiving antenna appeared. This antenna is used for satellite reception; it is used more for practical training.

The quantity and distance of Dipole and anode is under control. You can gain characteristics and the right direction for independent design.

ATTEN[®]

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This System Consists of

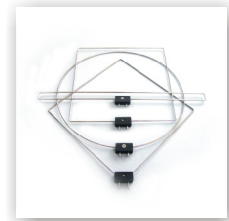
- a Half-wave Dipole Antenna
- Folded Dipole Antenna
- $\lambda/4$ Grounding Antenna
- Full-Wave Loop Antenna
- Drooping Antenna
- Yagi Antenna
- Spiral Antenna
- Helical Antenna
- Horn Antenna
- Single Patch Antenna
- 2 Dimension Array Antenna
- Circle Arranging Antenna.
- The frequency range from 500MHz-10GHz.



Spiral Ant.



MicroStrip Planar Array Ant.



Loops



Yagi Ant.



Monopole/Dipole Ant.



Drooping Antenna.



The system also has automatic control Turntable, Angle Step can be set to 1, 5 degrees to 10 degrees. And with a signal source we can generate 500 MHz (adjustable bandwidth of 300 MHz), the 2GHz (adjustable bandwidth of 350 MHz), 10GHz signal. And signals power level could be detected with 1KHz square wave modulation and 1KHz square wave demodulator.



The basic setup of AT3200 Antenna Training System

Antenna for Each Kind

Using Frequency	Antenna Type	Quantity
500MHz	Dipole Ant./Folded Dipole Ant./Monopole/Dipole Ant. Drooping Ant./Circular Loop/Square Loop/Diamond Loop	1ea
	Yagi Ant.	2ea
2GHz	Spiral Ant./Monopole Ant.	1ea
	Dipole Ant.	2ea
10GHz	Rectangular Patch Ant./MicroStrip Planar Array Ant.(Rectangular) Helical Ant./MicroStrip Planar Array Ant.(Circular)	1ea
	Horn Ant.	2ea