

**Experiments**

1. To measure the polar and linear pattern of Horn Antenna using microprocessor based turn table.

**LIST OF COMPONENTS:**

1. Klystron Power Supply	KP-151	01 No.
2. Klystron Mount	X-2051	01 No.
3. Klystron Tube	2K25 or K27	01 No.
4. Isolator	X-6021	01 No.
5. Frequency Meter, Direct Reading Type	X-4155	01 No.
6. Variable Attenuator	X-5020	01 No.
7. Microprocessor based Turn Table with Computer Interface for Polar pattern measurement	X-961	01 No.
8. Pyramidal Horn Antenna	X-5041	02 No.
9. E-Plane Bend	X-7071	02 No.
10. Detector Mount	X-4051	01 No.
11. VSWR Meter, Solid State	VS-411	01 No.
1 2. Waveguide	X-5035	04 No.
1 3. Cooling Fan		01 No.
14. Wg with	WR-90	01 No.
Optional		
1. Pick-up Horn	X-5061	01 No.
2. Broad-wall	X-5161	01 No.
3. Narrow-wall	X-5163	01 No.
4. Dielectric	X-5101	01 No.
5. E-Plane	X-5043	01 No.
6. H-Plane	X-5045	01 No.
7. Parabolic Dish	X-5071	01 No.
8. Waveguide	X-7051	01 No.
9. Precision	X-4181	01 No.
10. Helix Antenna		01 No.
11. Matched Termination	X-4000	01 No.

Note: This lab kit is available with Gunn-source instead of Klystron source also.

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