

# Connections to Record the Value for Gain and Plot the Radiation Pattern for Horn Antenna

Horn Antenna

INSTRUCTIONS



Components

More Components

Check Connections

Experiment setup

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# Readings for Radiation Pattern of Horn Antenna

INPUT VOLTAGE  $V_t = 330 \text{ mV}$

Angle (degrees)	$V_r \text{ (mV)}$		Gain (dB) = $20\log_{10}(V_r / V_t)$	
	Clockwise	Anticlockwise	Clockwise	Anticlockwise
0	61	60	-14.66	-14.81
10	56	55	-15.41	-15.56
20	41	40	-18.11	-18.33
30	21	20	-23.93	-24.35
40	16	15	-26.29	-26.85
50	26	25	-22.07	-22.41
60	41	40	-18.11	-18.33
70	61	60	-14.66	-14.81
80	21	20	-23.93	-24.35
90	11	10	-29.54	-30.37

# Graph

Radiation Pattern Of Horn Antenna

