

MAGNETIC FIELD COMPARISON CHARTS

Table 1: Common Sources of Magnetic Fields (mG)

Sources*	Distance from Source	
	6 Inches (mG)	24 Inches (mG)
Microwave Ovens	100 - 300	1 - 30
Dishwashers	10 - 100	2 - 7
Refrigerators	Ambient - 40	Ambient - 10
Fluorescent Lights	20 - 100	Ambient - 8
Copy Machines	4 - 200	1 - 13
Drills	100 - 200	3 - 6
Power Saws	50 - 1,000	1 - 40

*Different makes and models of appliances, tools, or fixtures will produce different levels of magnetic fields. These are generally accepted ranges.

Table 2: Typical US Magnetic Field Levels Associated with Overhead Transmission Lines

Overhead Transmission Line Voltages	Usage	Typical Magnetic Field Measurements (mG)				
		Maximum in ROW	Approximate Distance From Centerline (Feet)			
			50	100	200	300
115-kV	Average	30	7	2	0.4	0.2
	Peak	63	14	4	0.9	0.4
230-kV	Average	58	20	7	1.8	0.8
	Peak	118	40	15	3.6	1.6
500-kV	Average	87	29	13	3.2	1.4
	Peak	183	62	27	6.7	3.0

NOTE: These values are for general information and not for a specific line.

Source: National Institutes of Health - National Institute of Environmental Health Sciences