

Magnetic Field Comparison Charts

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 and fixtures will produce different levels of magnetic fields. These are generally accepted ranges.

Typical U.S. 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

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