

<b>Table 4.1.7-1</b>		
<b>Characteristics of Electric and Magnetic Fields</b>		
<b>Characteristic</b>	<b>Electric Fields</b>	<b>Magnetic Fields</b>
Unit of Measurement	Volts/meter	Weber/meter <sup>2</sup> (Tesla or Gauss)
Attenuated by Objects	Yes	No
Field Results from	Strength of Electric Charge	Motion of Electric Charge
Primary Determinant	Voltage	Current Flow

<b>Table 4.1.7-2</b>	
<b>Magnetic Flux Densities</b>	
<b>Device, Phenomenon, Location, or Standard</b>	<b>Magnetic Flux Density (mG)</b>
Magnetic Resonance Imaging (MRI) scan	20,000,000
Permanent magnet	100,000
ACGIH* standard	10,000
ICNIRP** occupational guideline (1998)	4,167
ACGIH guideline for occupational exposures	10,000
ACGIH guideline for individuals with pacemakers	1,000
ICNIRP general public guideline (1998)	833
Earth's magnetic field	470 to 590
Hair dryers and electric blankets	100 to 500
Typical household appliance	40 to 80