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fields, which
led to the
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waves, and that
light is
electromagnetic
in nature, with
a constant
velocity in
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 μ_0 , ϵ_0 are the
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permittivity of
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electrical
generators and
motors;
antennas;
printed circuit
board stackup
and layout;
persistent
storage of data
(e.g., hard
drives); fiber
optics; and
systems for

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Understanding
antennas and
electromagnetic
fields is
obviously
important in RF
engineering, in
which capturing
and propagating
waves are
primary
objectives. An

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Understanding of
RF fields is
also important
for dealing with
the electromagne-
tic-
compatibility
(EMC) aspects of
every electronic
product,
including
digital systems.**

Understanding

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radiation ...**

In physics,
electromagnetic
radiation (EM
radiation or
EMR) refers to
the waves (or
their quanta,
photons) of the
electromagnetic
field,

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propagating
(radiating)
Fields And
through space,
Waves
carrying
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electromagnetic
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radiant energy.
It includes
radio waves,
microwaves,
infrared,
(visible) light,
ultraviolet, X-
rays, and gamma
rays..

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consists of
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field coil that
carries a
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