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Millimeter-Wave Holographic Imaging

National Cancer Institute

Source

National Cancer Institute. *Millimeter-Wave Holographic Imaging*. NCI Thesaurus. Code C156748.

An imaging technology that uses non-ionizing, millimeter-length electromagnetic waves (30GHz to 300GHz) to scan the surface of an object or body. Millimeter-wave imaging (MMW) can image through non-polar and non-metallic materials such as clothing, plastic, and cardboard with relatively little energy loss. Compared to microwaves and radio-frequency waves, MMW can achieve better spatial resolution due to its shorter wavelength. MMW is harmless to humans.