

ABSTRACT

MILLIMETER WAVE IMAGING APPARATUS, MILLIMETER WAVE IMAGING SYSTEM, AND PROGRAM

A millimeter wave imaging apparatus includes: a lens antenna that captures millimeter waves, emitted from a viewing area, and forms a subject image; a millimeter wave sensor group each of which outputs a detection value corresponding to a signal level of the millimeter waves captured by the lens antenna; an image forming device that generates the subject image on the basis of the detection value outputted from each of the millimeter wave sensors; a correction value setting device that sets a correction value for the respective millimeter wave sensors, the correction value being an error between a detection value, detected by a reference millimeter wave sensor designated so as to receive the millimeter waves emitted from the emitter, and a predetermined reference detection value; and a detection value correcting device that corrects the detection value detected by each of the millimeter wave sensors by the correction value set by the correction value setting device, prior to formation of the subject image performed by the image forming device.

Fig. 1