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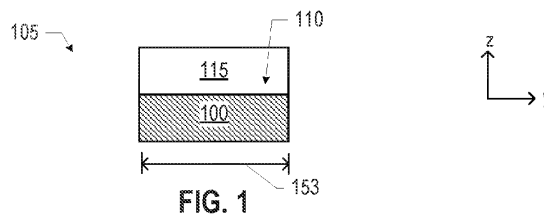


FIG. 1

(57) Abstract: Disclosed herein are antenna boards, antenna modules, and communication devices. For example, in some embodiments, an antenna board may include: an antenna feed substrate including an antenna feed structure, wherein the antenna feed substrate includes a ground plane, the antenna feed structure includes a first portion perpendicular to the ground plane and a second portion parallel to the ground plane, and the first portion is electrically coupled between the second portion and the first portion; and a millimeter wave antenna patch.



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