

Reference Design Note / Antenna Design

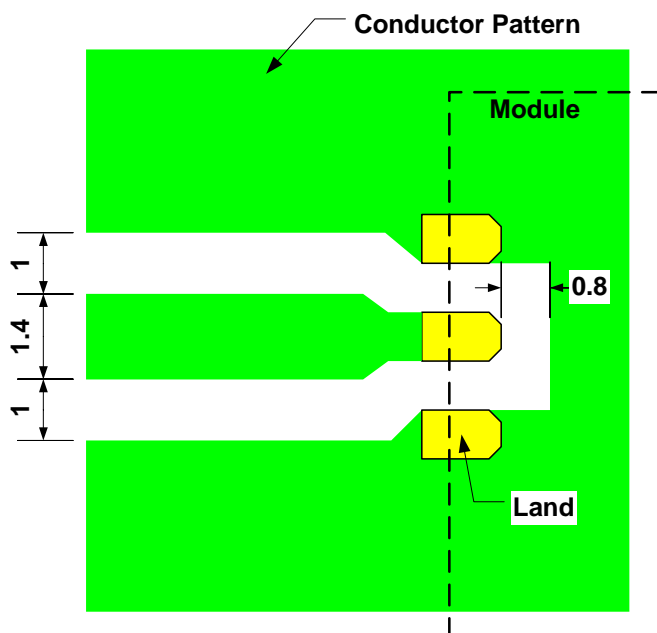
Reference Antenna Strip Design Note

Model Number: NOT Integrated Antenna Module
Revision: 2.0

1. Strip Pattern from ANT terminal

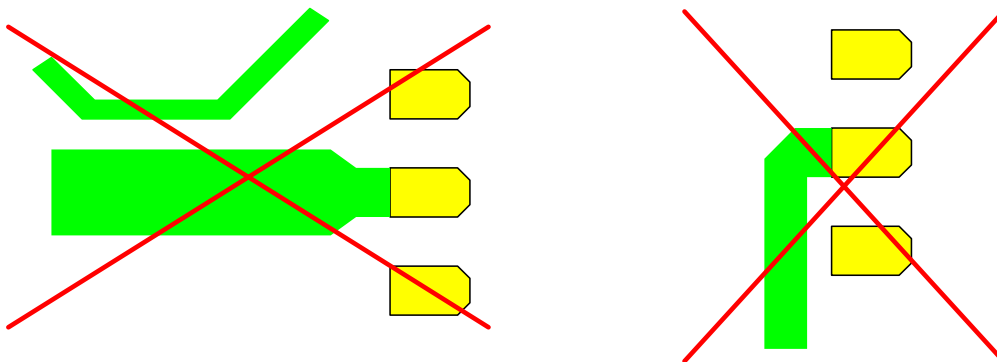
The pattern from ANT terminal shall be designed to 50-ohm impedance.

The following is an example of the case as FR-4 $t=0.8\text{mm}$ $\epsilon_r=4.8$ with a dual side copper-placed board.



The pattern from ANT terminal shall be traced with straight-line.

As indicated below, the pattern shall not be designed along with module's side face or the pattern designed close to signal line.



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2. Signal-line & GND pattern

Signal-line pattern on a module mounting side of customer application PWB shall be wired avoiding the surface, which module is mounted on, as much as possible.

GND pattern on a module mounting side of customer application PWB shall be traced the surface which module is mounted on.

GND shall be reinforced by through hole etc. to be wider area and stabilize the electrical potential as much as possible.

Recode of Changes

Date	Revision	Description
8 th Aug, 2002	R1.0	Original
26 th Sep, 2002	R2.0	

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