

Installation guidance of our wide-band antennas TLB series

This document shows how to set our 3-type-antennas properly.

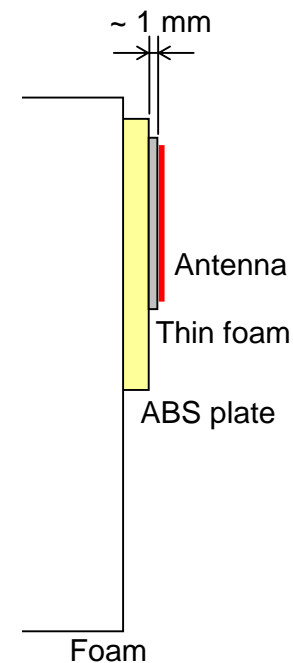
- When you measure VSWR or radiation pattern or gain, you should follow these notices to measure the antenna properties adequately.

TLB-A (Sample No. HAS-03-119)



It has to be set at a foam which has no influence to the antenna properties.

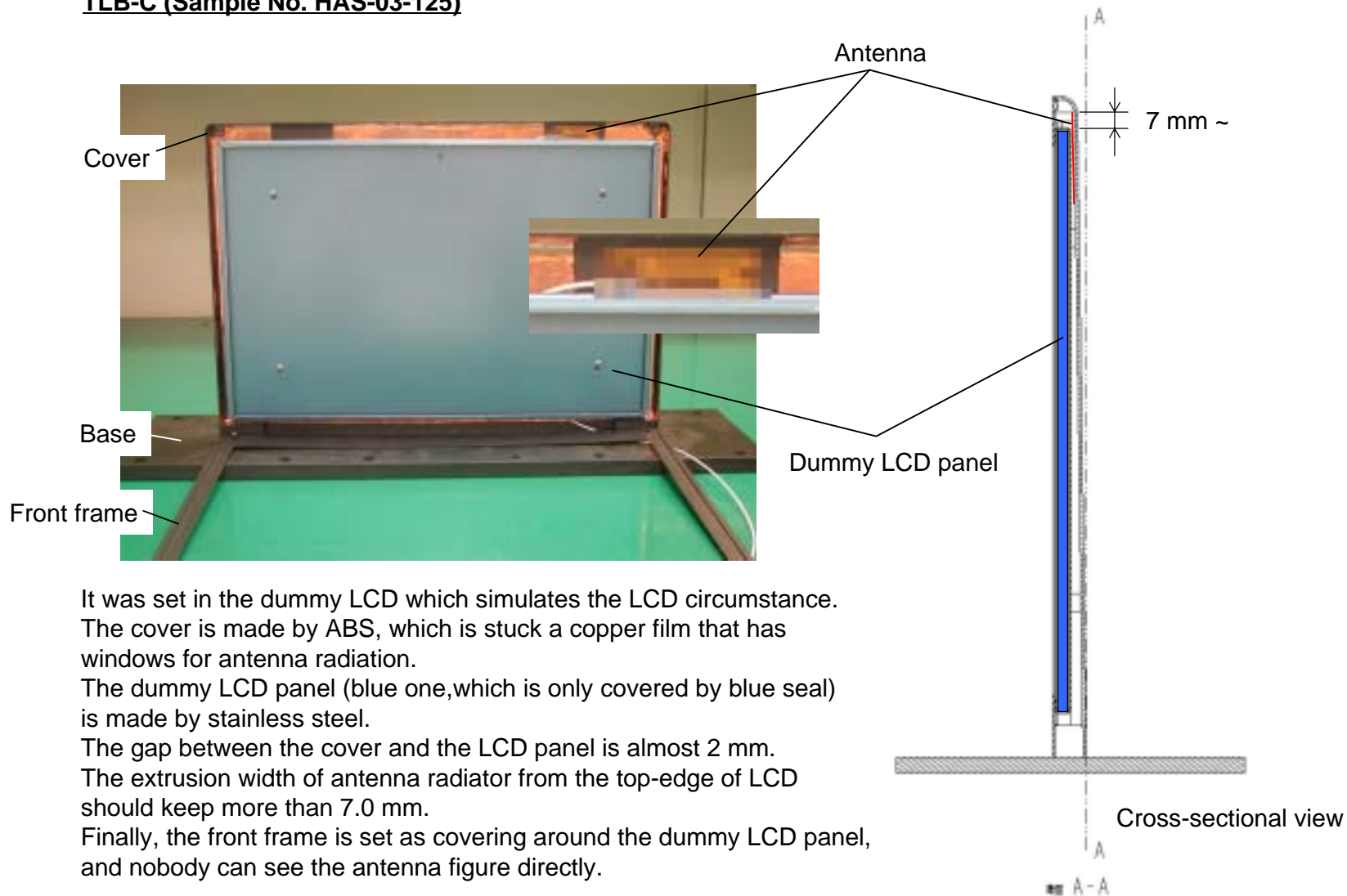
TLB-B (Sample No. HAS-03-118)



Cross-sectional view

It has to be set by an ABS plate which has dielectric constant and makes the resonance frequency shift down.
And it has to be adjusted its resonance frequency to control the gap between the antenna and the ABS plate.
We usually use a thin foam temporarily to take the gap, as shown in the above picture and the cross-sectional figure.

TLB-C (Sample No. HAS-03-125)



It was set in the dummy LCD which simulates the LCD circumstance.
The cover is made by ABS, which is stuck a copper film that has windows for antenna radiation.

The dummy LCD panel (blue one, which is only covered by blue seal) is made by stainless steel.

The gap between the cover and the LCD panel is almost 2 mm.

The extrusion width of antenna radiator from the top-edge of LCD should keep more than 7.0 mm.

Finally, the front frame is set as covering around the dummy LCD panel, and nobody can see the antenna figure directly.