

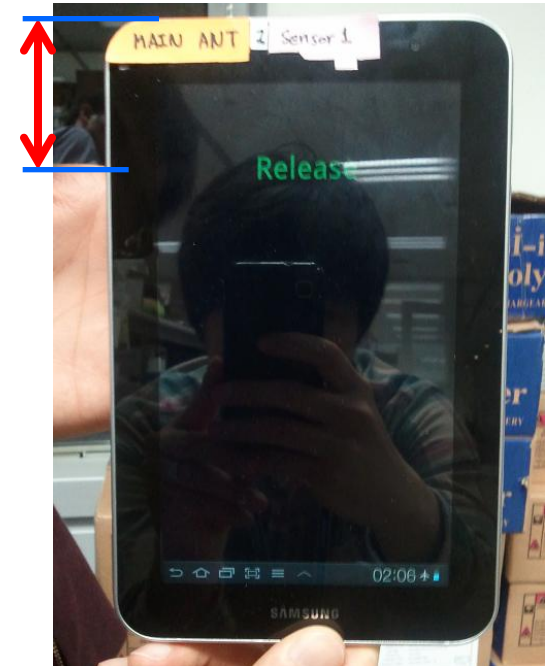
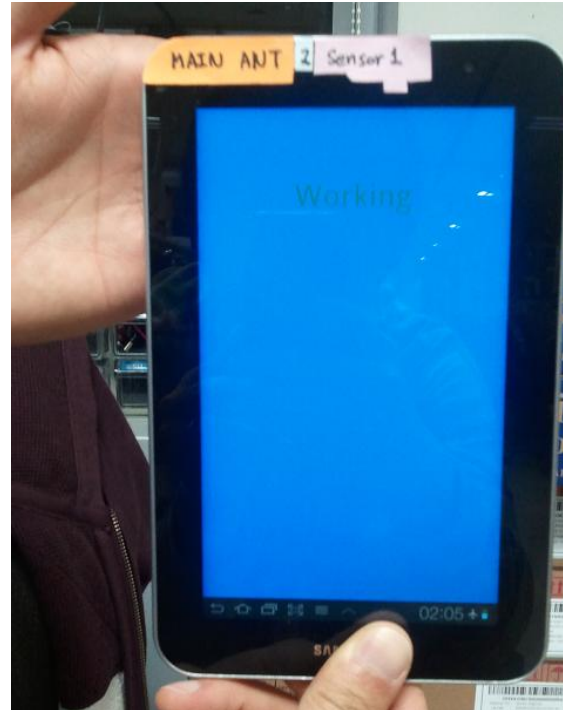
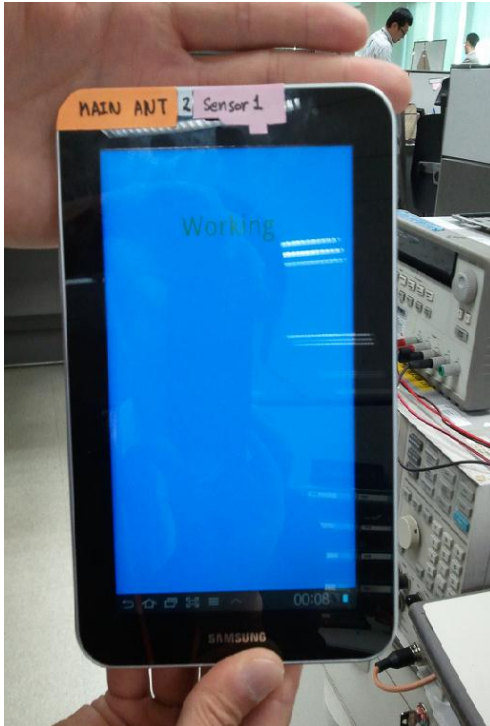
Grip Sensor Coverage consideration of the GT-P6200 for the User

FCC ID : A3LGTP6200

Date : 2011.11.10

**3. The Grip sensor activates
on the back
of the device**

Back side triggering Test (0mm)



Enough far from main ant.

When Grip sensor 1 can detect something on the back of the device, the color of the screen becomes blue, the reverse the color of the screen is black. However SAR at back is tested at 0mm with max power and SAR results are compliant to FCC rule.

Back triggering distance Test with Phantom (Transparent Front view)



Main Antenna



Grip sensor

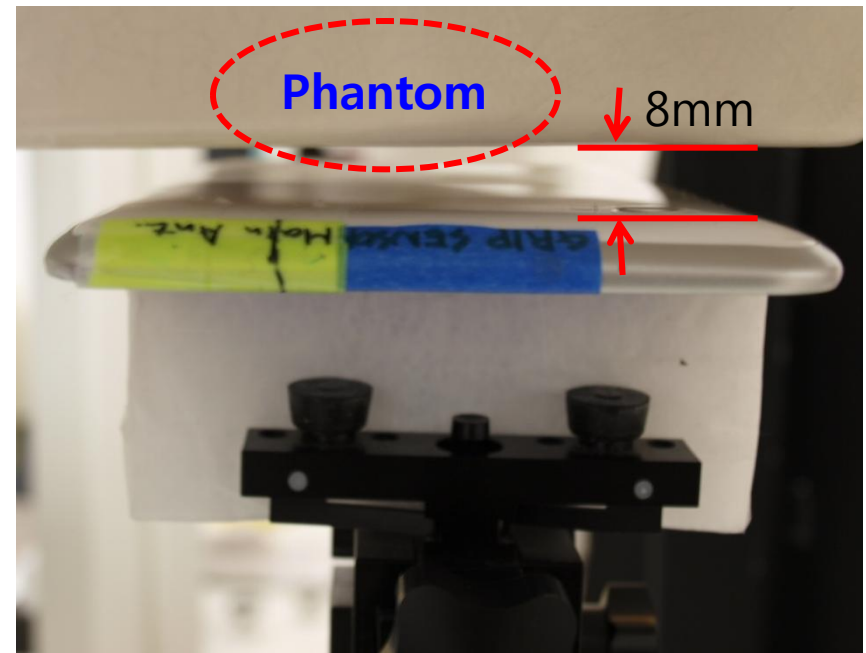
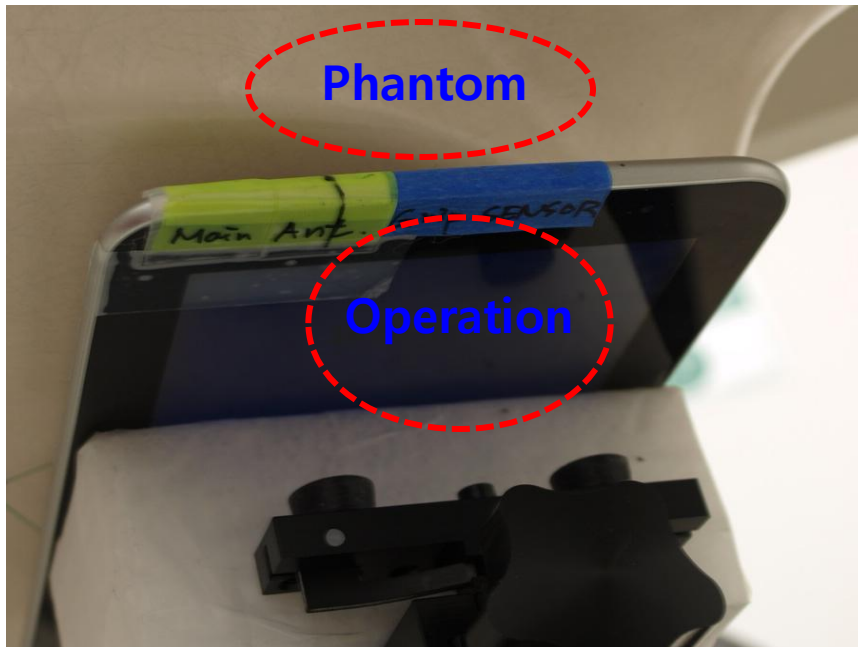


13mm Line
from Left edge

Back triggering distance Test with Phantom

(con't)

The sensor at the back side is activated.
(Phantom overlap with Grip sensor)



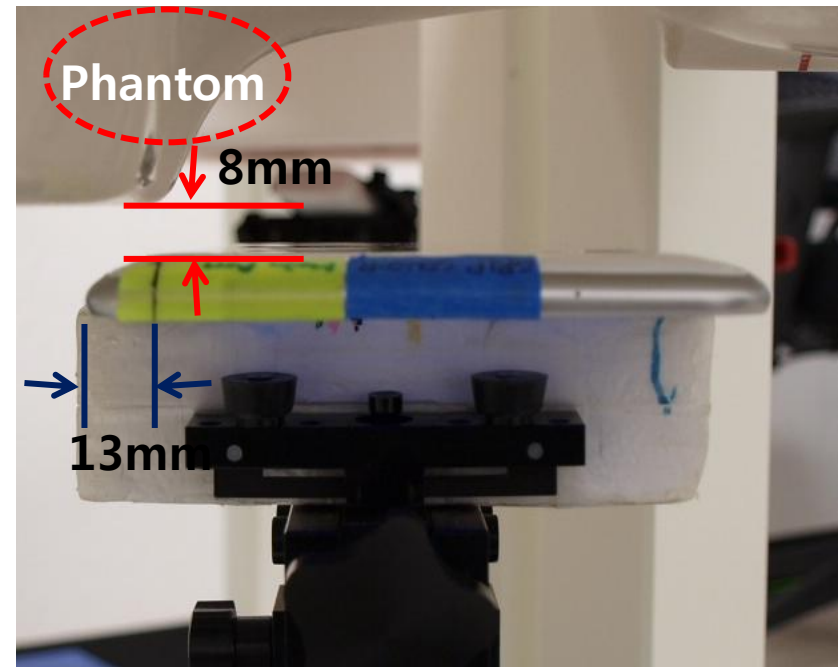
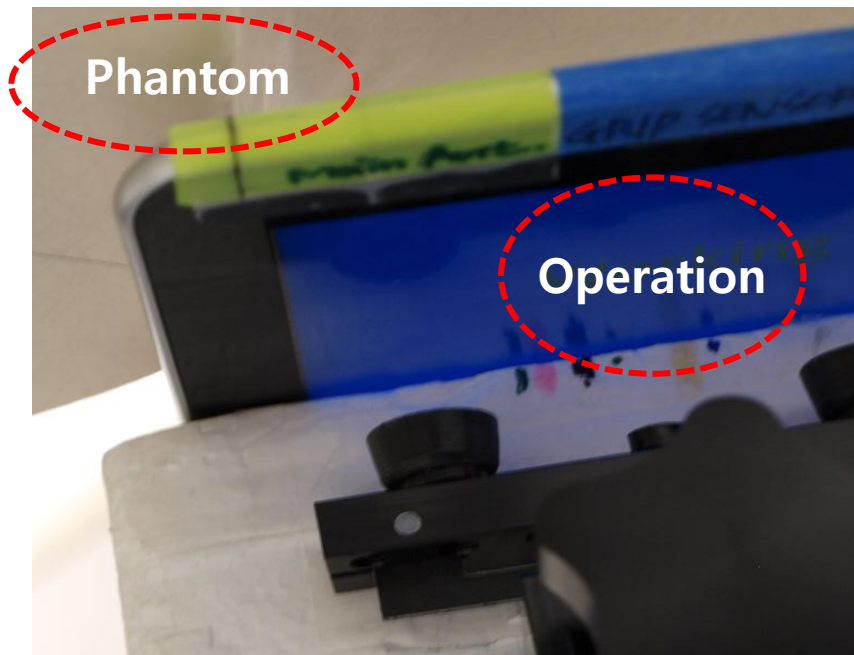
Back side triggering distance Test with Phantom

(con't)

The sensor at the back side is activated at 8mm distance with the phantom edge.

Sensor activated distance away from left edge.

: 13mm (Power reduction mode)



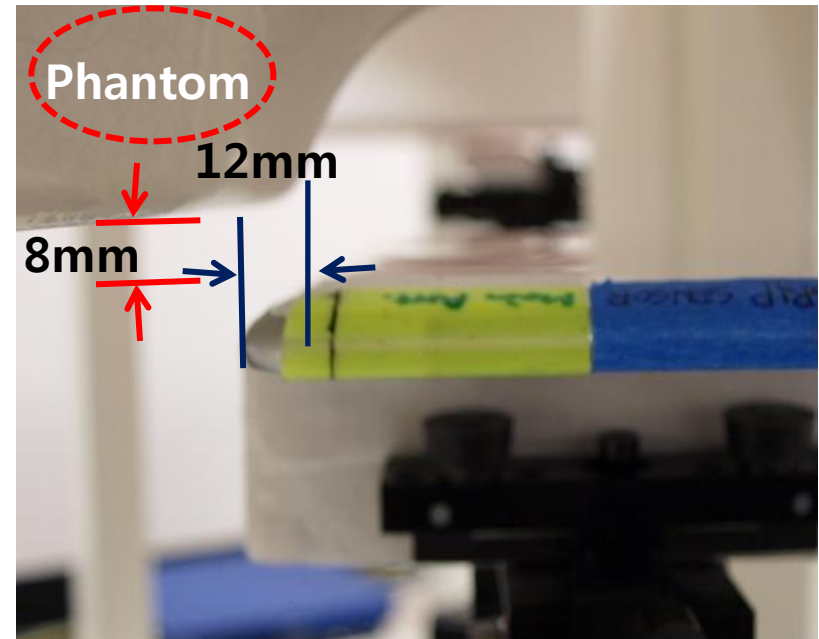
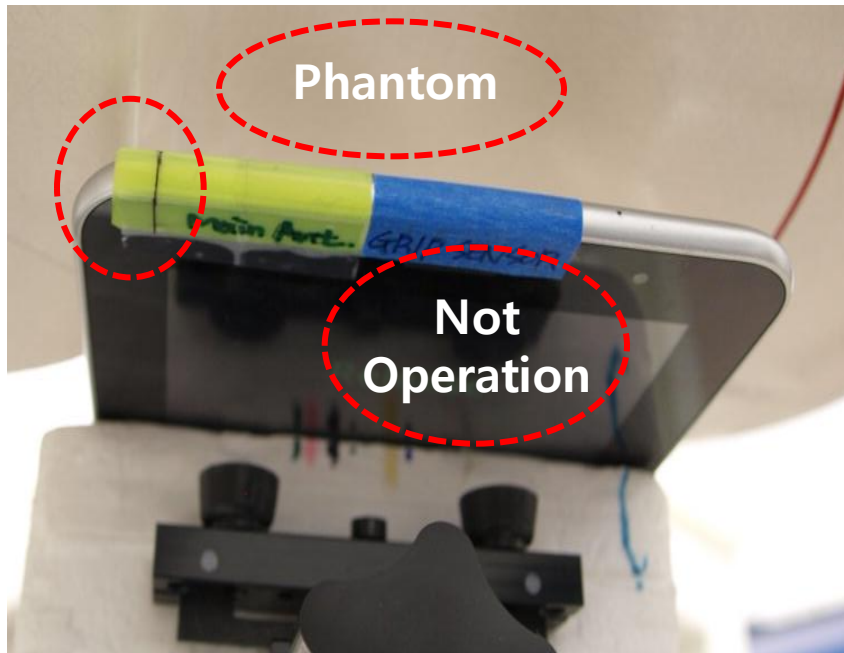
Back side triggering distance Test with Phantom

(con't)

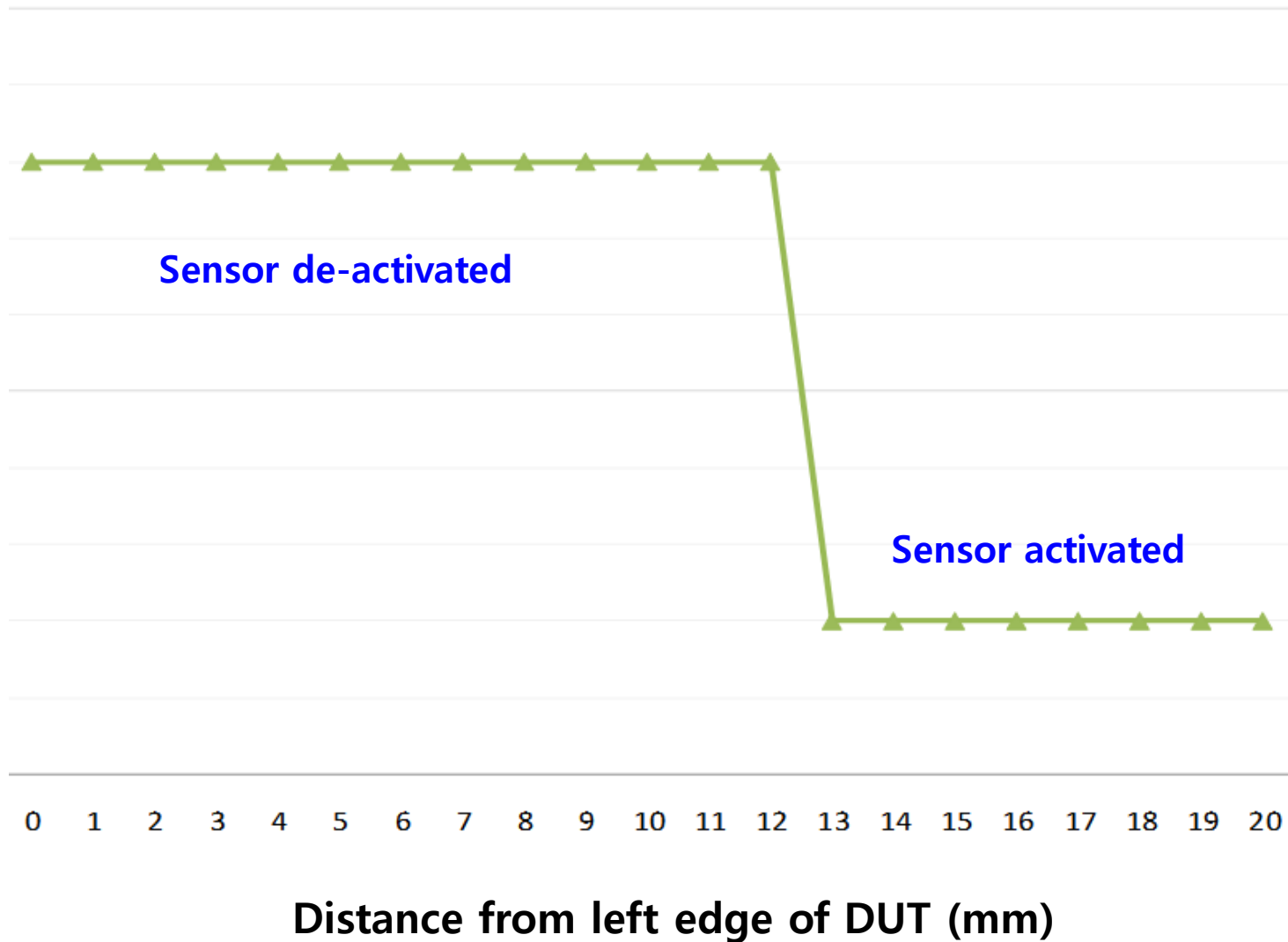
The sensor at the back side is deactivated at **8 mm** distance with the phantom edge.

Sensor deactivated distance away from left edge.

: **12mm** (**Full Power mode**)

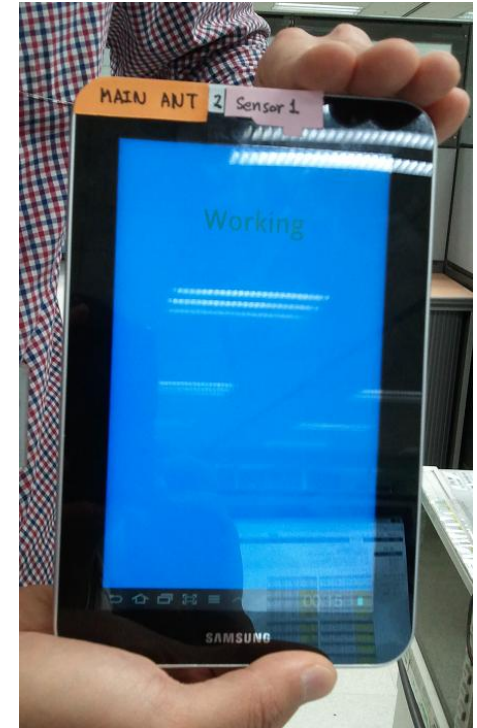
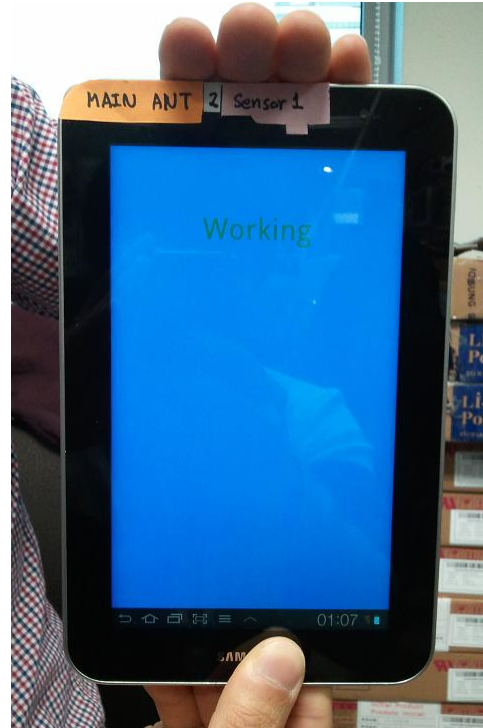
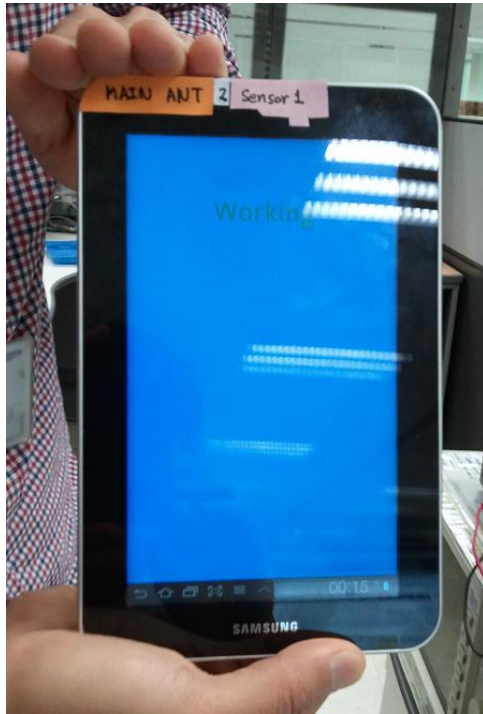


Sensor triggering distance away from left edge



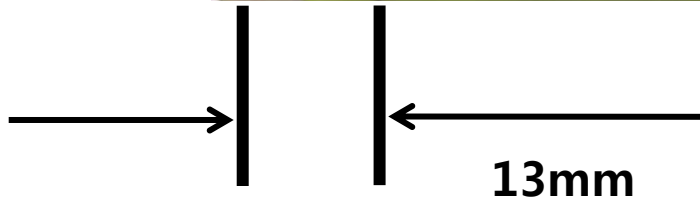
**4. The Grip sensor activate
on the Top Edge
of the device**

Top edge triggering Test (0mm)



We can also know that the Grip sensor can detect top edge from the above pictures because the sensor status screen part becomes blue.

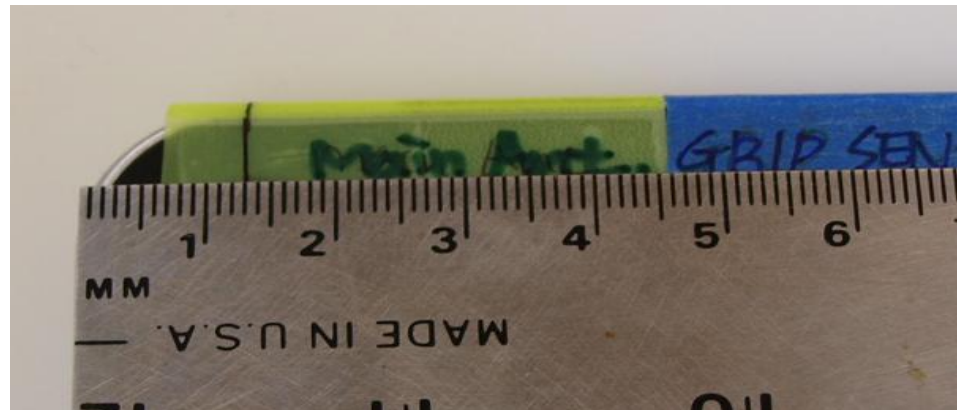
Top edge triggering distance test with Phantom



Main Antenna



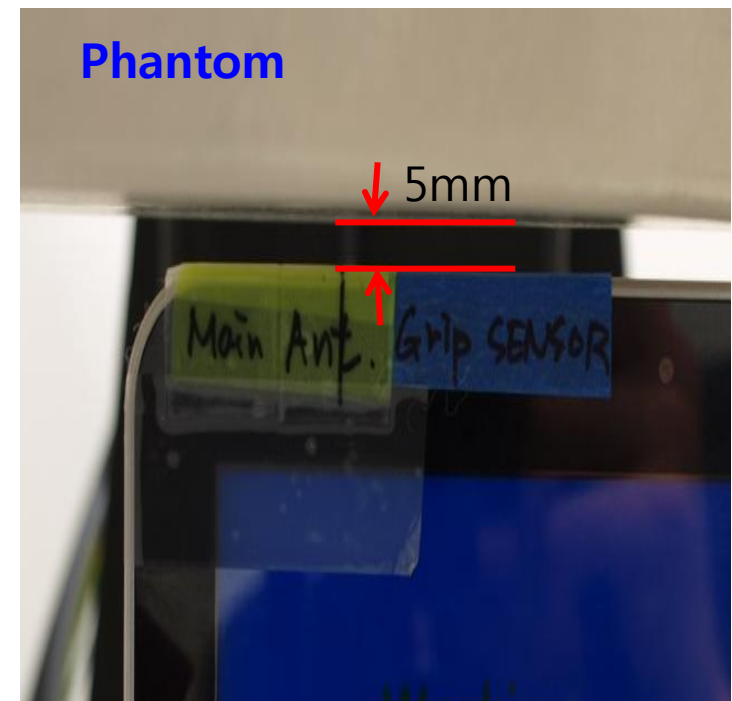
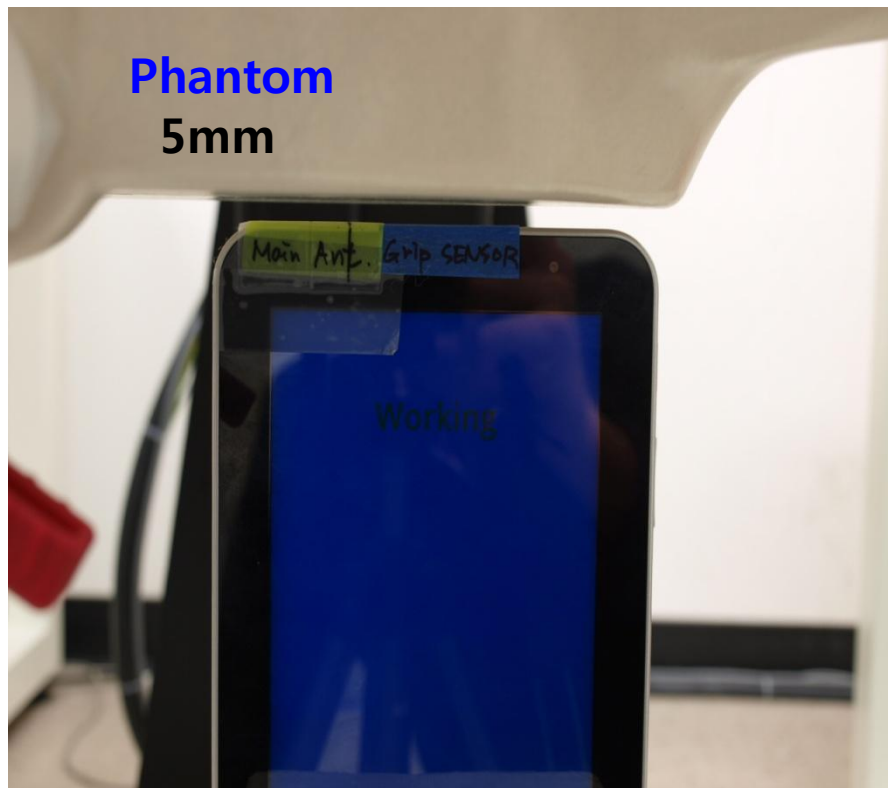
13mm Line
from Left edge



Top edge triggering distance test with Phantom

(con't)

The sensor on the top edge is activated at **5mm** distance with the phantom. (overlap phantom with Grip sensor)
(**Power reduction mode**)



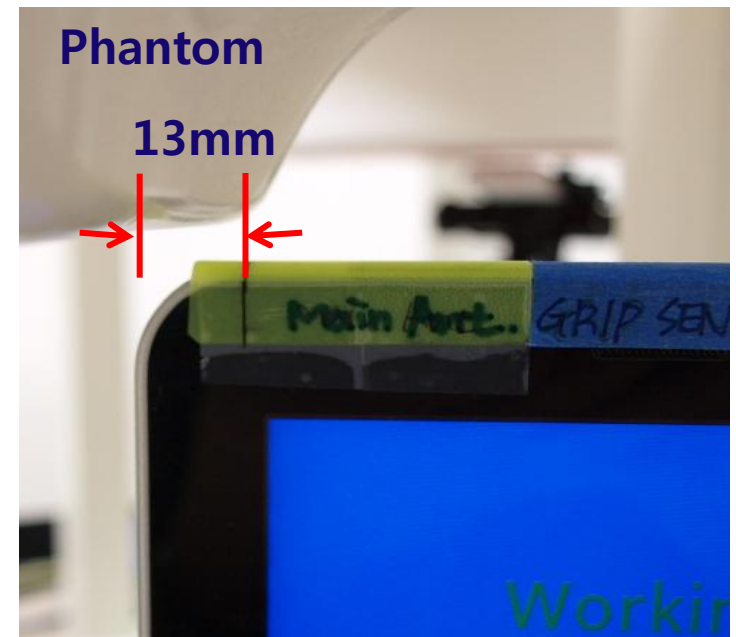
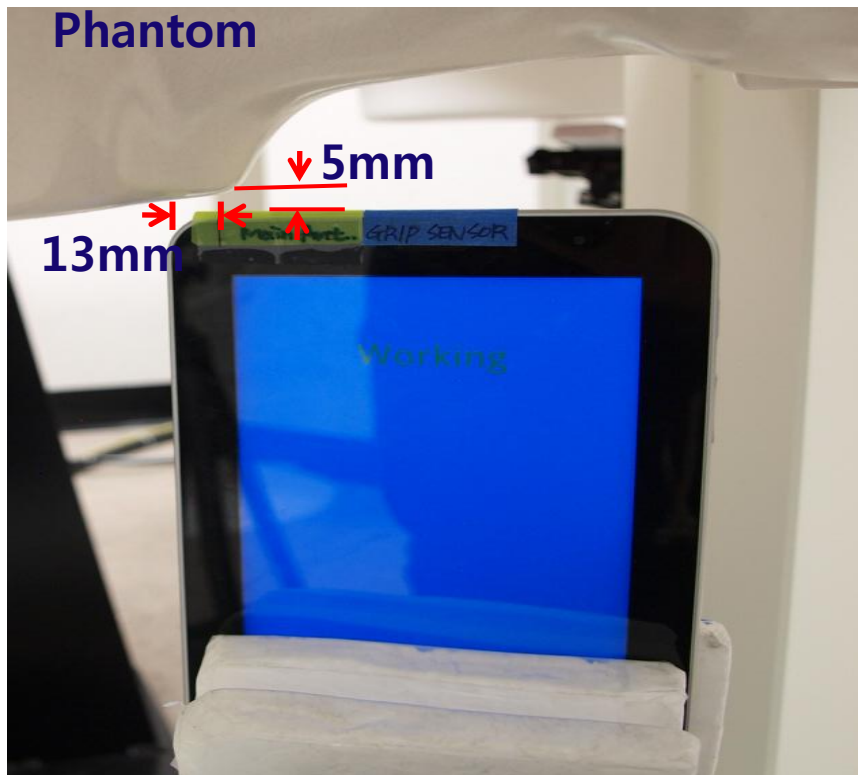
Top edge triggering distance test with Phantom

(con't)

The sensor at the Top side is activated at **5mm** distance with the phantom edge.

Sensor activated distance away from left edge.

: **13mm** (**Power reduction mode**)



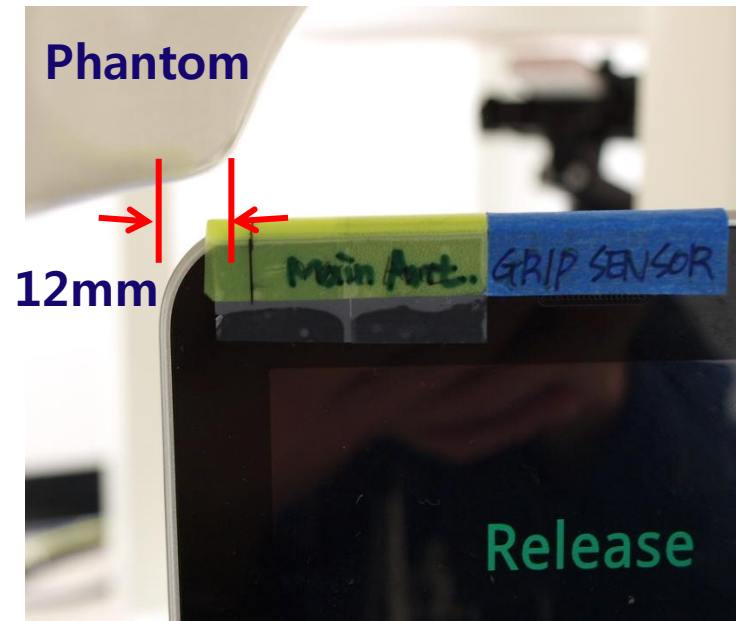
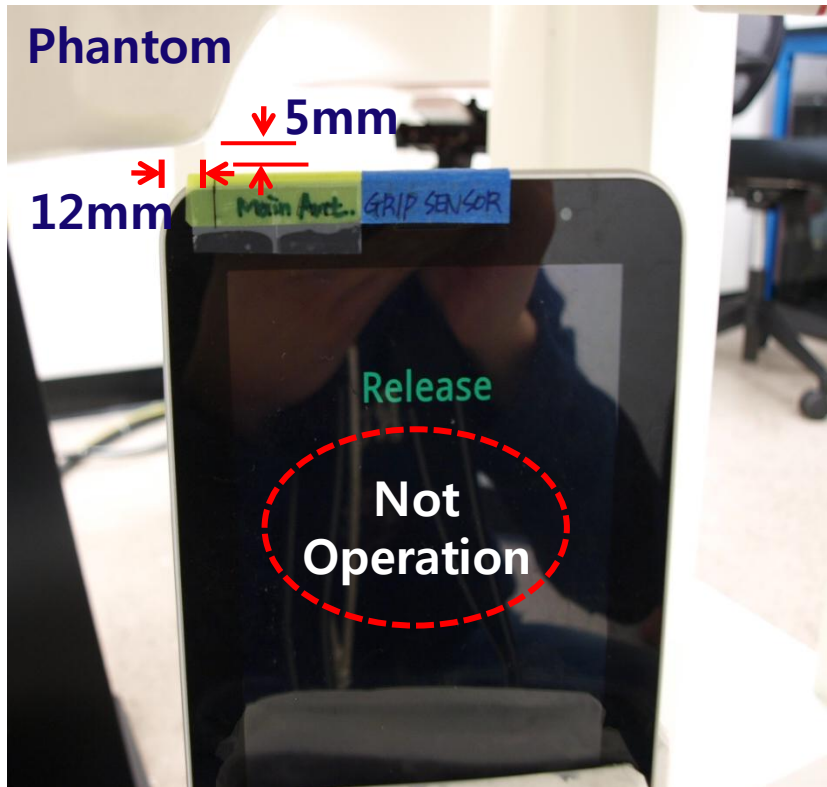
Top edge triggering distance test with Phantom

(con't)

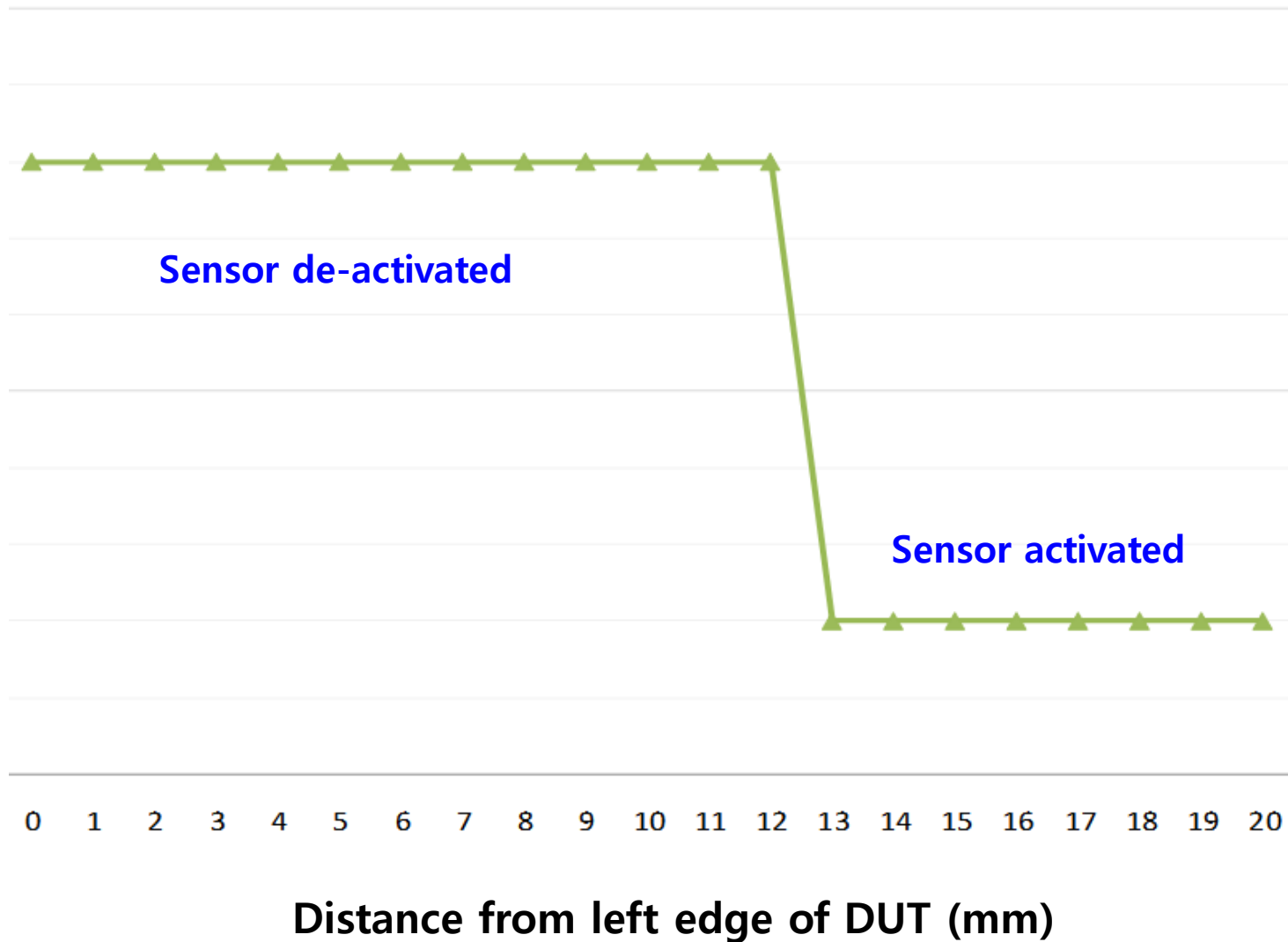
The sensor at the back side is deactivated at **5mm** distance with the phantom edge.

Sensor deactivated distance away from left edge.

: **12mm (Full Power mode)**

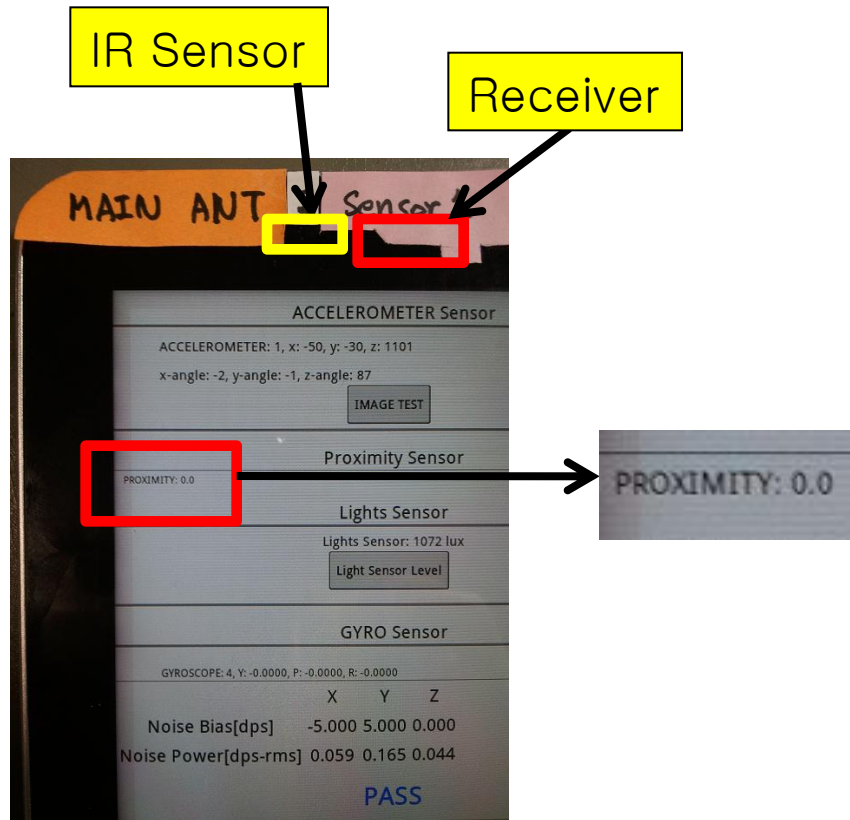


Sensor triggering distance away from left edge



**5. The IR Sensor activates
on the Front side
of the device**

Front triggering Test (0mm)



[Before detection]

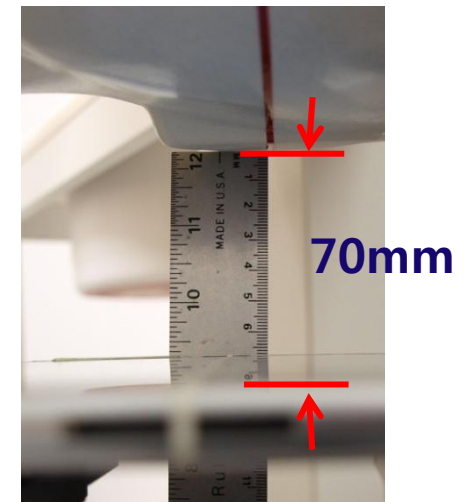
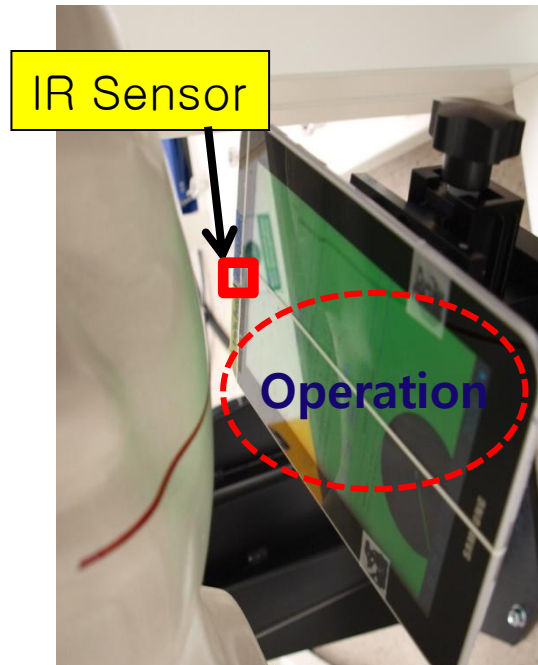
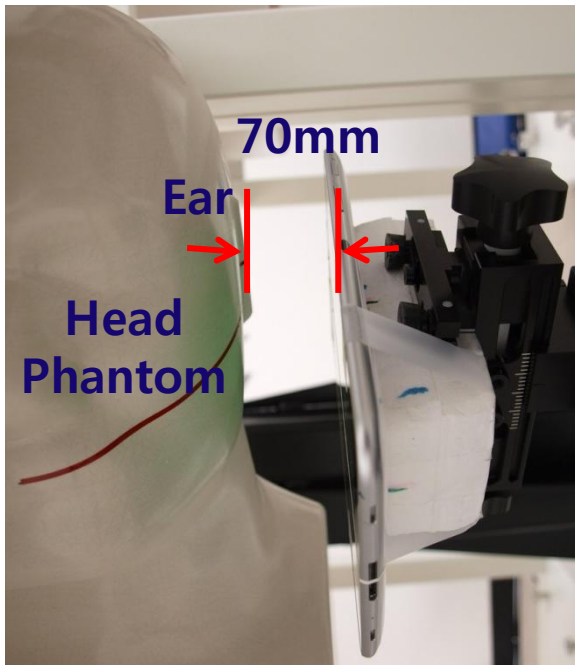


[After detection]

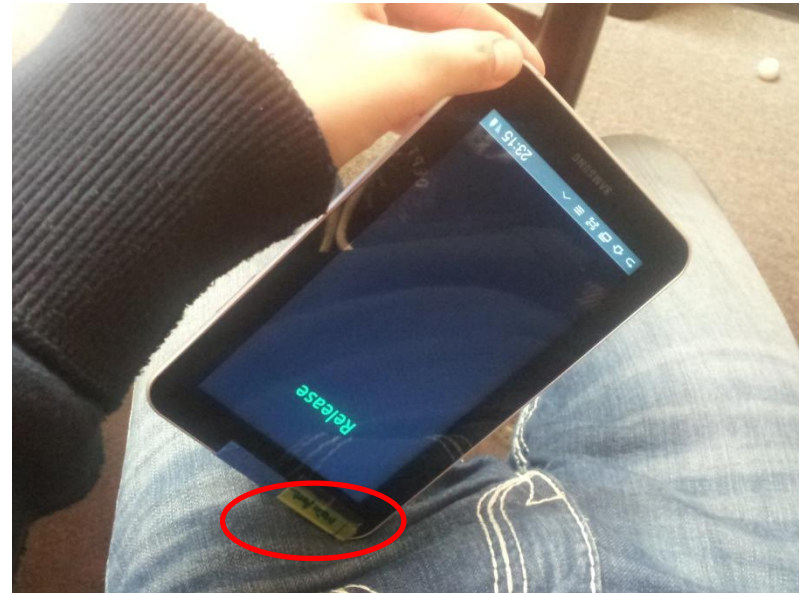
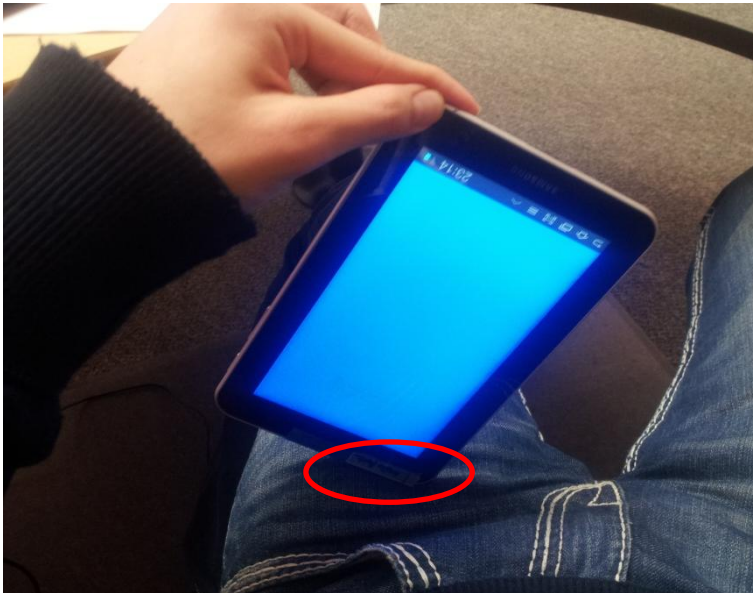
Before the IR Sensor detects something, the color of the screen is 'white' and the value of Proximity is '0'. After it detects something, the color of the screen change into 'Green' and the value of Proximity is '1'.

IR Sensor for Head SAR triggering distance test with Phantom (con't)

- The IR Sensor is activated from 0mm till 70mm distance from the phantom.
- We have already tested the SAR at 10mm with Full Power, the results are compliance to FCC Rule.
- Therefore, the SAR away 70mm from the phantom is no matter.

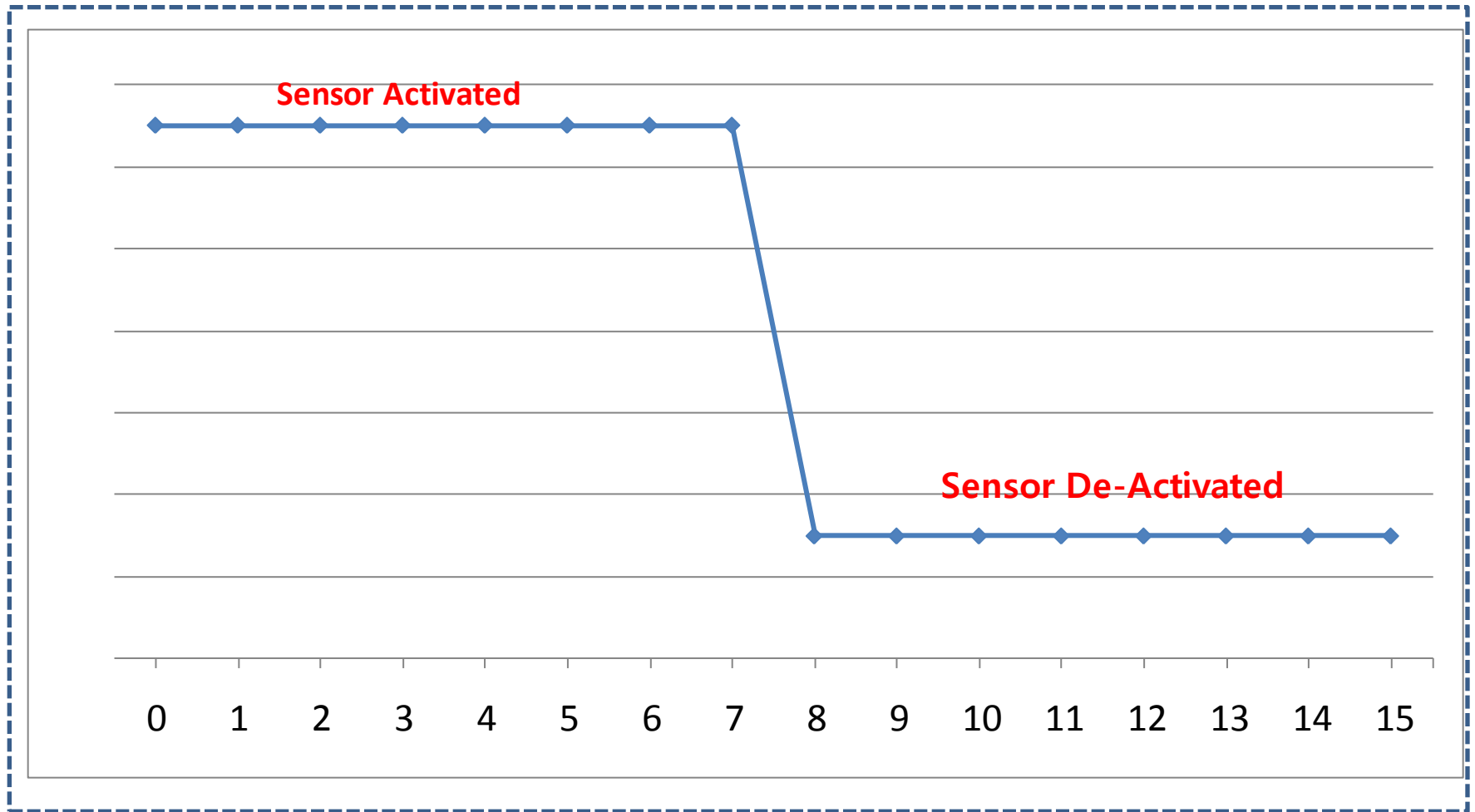


Ex1) The tablet with the corner vertex of the device touch on the body



The corner vertex touch can be recognized by sensor depending on the angle to the body. So there can exist the angle that any sensor doesn't work.(ex. Less than 45degree)

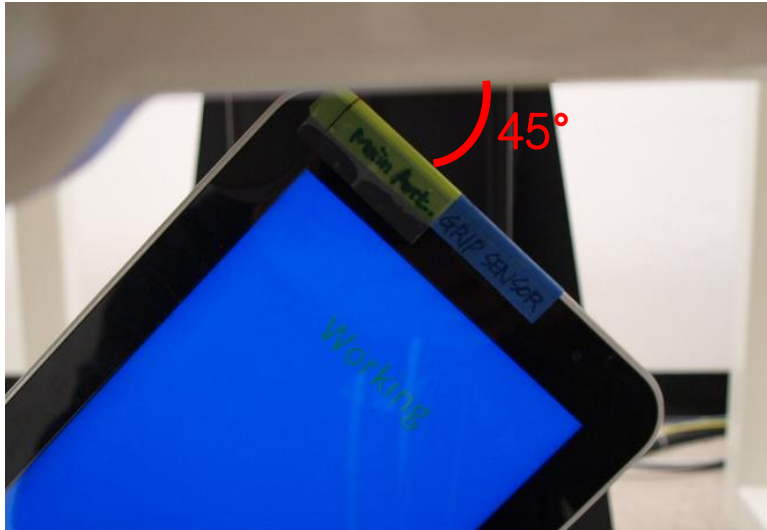
Triggering distance of IR Sensor on the Front Side



DUT distance to the phantom (cm)

**6. The Grip sensor on the corner
vertex of the device**

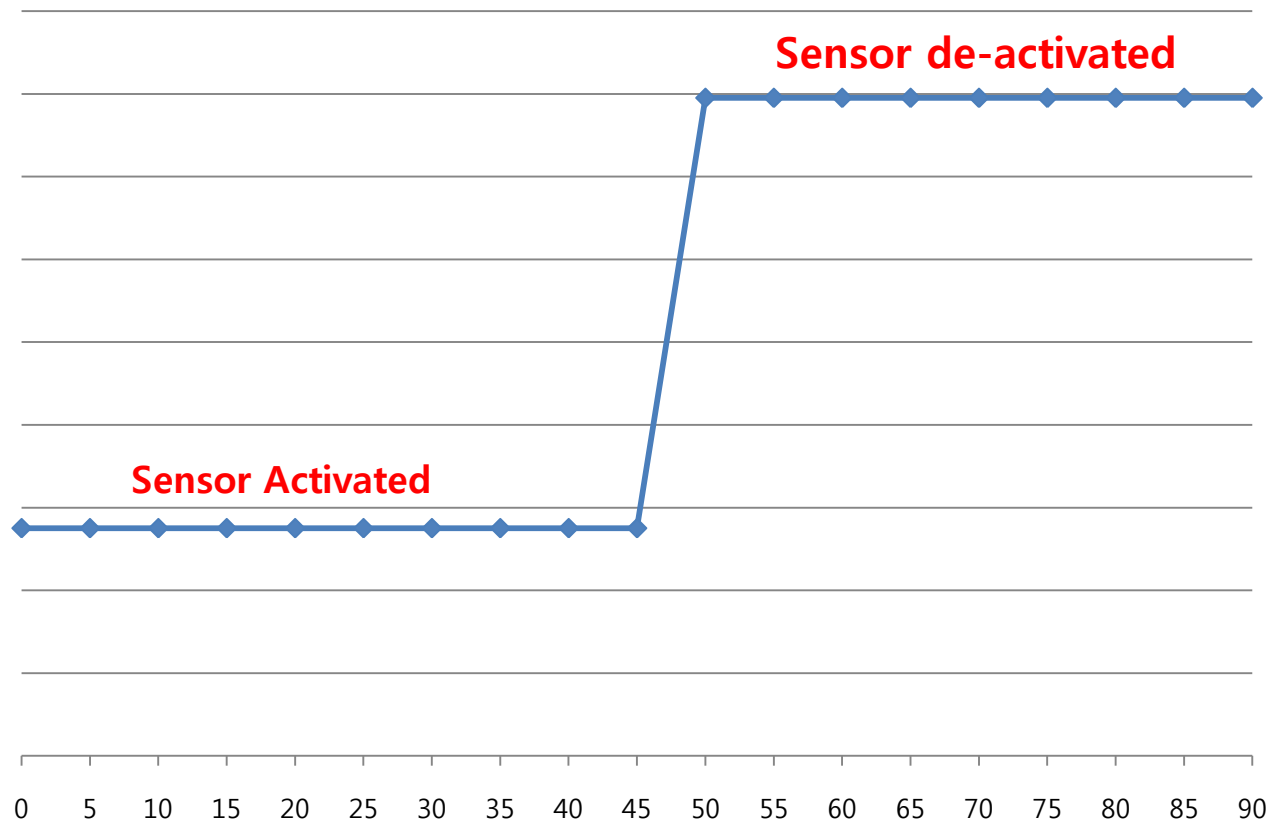
Triggering angle limit of the corner vertex



– Triggering angle limit : 45°

P2 EUR can not be recognized by grip sensor Higher than 45degree.(triggering angle is between phantom and top side of P2)

Triggering angle of Grip sensor between phantom and the top side



Angle between phantom and the DUT top side