

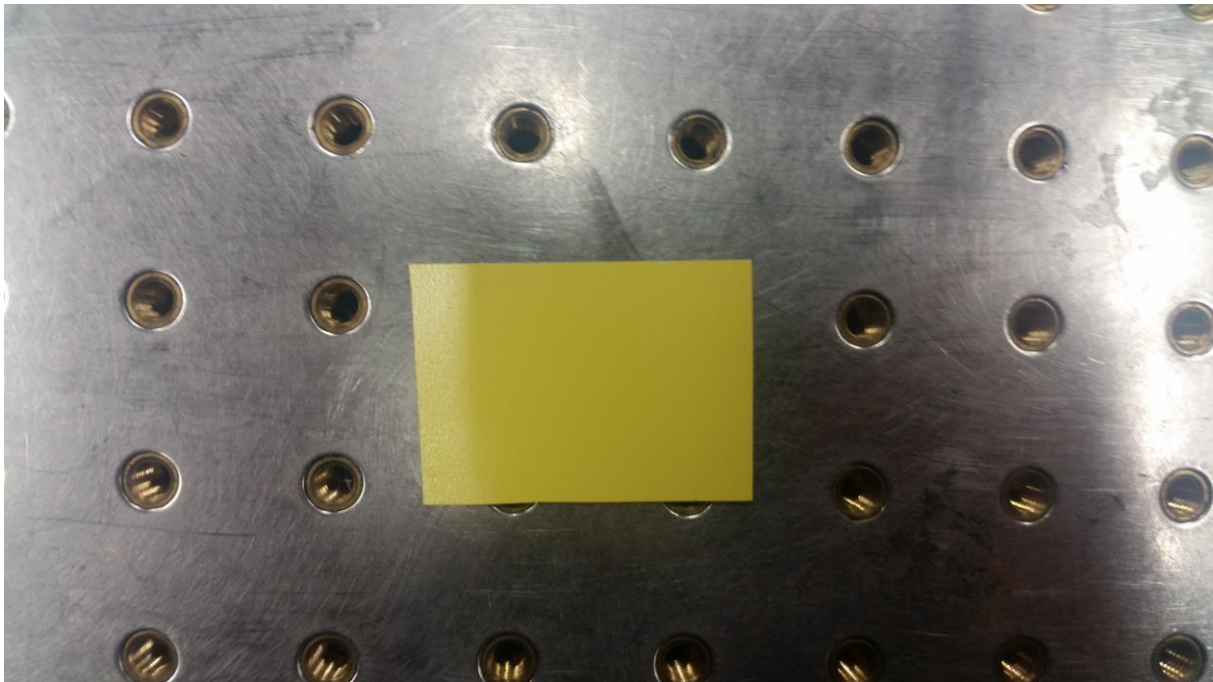
# Testing of Intellego Technologies UVC dosimeter 2016-04-08

The testing was performed at the Swedish Technical Research Institute (SP) and the equipment used was a UV fluorescent 254 nm (Transilluminator UVP). To determine the reference level ( $\mu\text{W} / \text{cm}^2$ ) in the exposure plane we used a calibrated silicon detector (10x10 mm Hamamatsu) with an 8 mm precision, which is connected to the power amplifier (Keithley 6485).

The intensity of the light source was 31 -38  $\mu\text{W}/\text{cm}^2$  and testing was performed with the focus on the accumulated dosages of 10 000  $\mu\text{W}/\text{cm}^2$  and 36 000  $\mu\text{W}/\text{cm}^2$ .

## Testing results:

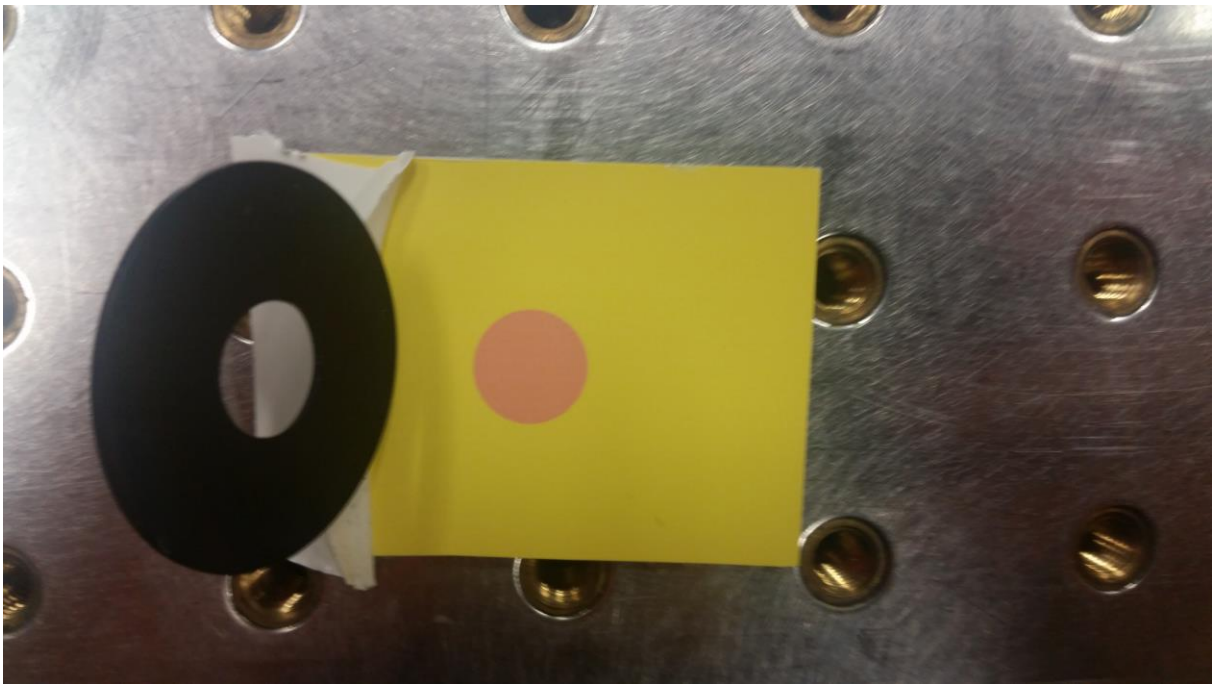
Starting sample:



Sample at 10 000  $\mu\text{W}/\text{cm}^2$ :



Samples at 36 000  $\mu\text{W}/\text{cm}^2$ :



## Comments

The samples shows a colour change between the different levels from 0 – 36 000  $\mu\text{W}/\text{cm}^2$ . As the intensity was measured at the point of the sample it is possible to calculate the accumulated dose that the sample was exposed to.

The specific colour values e.g. RGB values were not quantified at this time but can be in further testing at SP.