LG.Philips Unveils Cutting-Edge Super-Slim LCD Panel for Mobile Phones

September 28 2006

LG.Philips LCD, the world's leading innovator of thin-film transistor liquid crystal display (TFT-LCD) technology, announced today that it has developed the world's slimmest TFT-LCD panel, measuring only 1.3mm in thickness including the module, for super-slim mobile phones.

This latest technological breakthrough will enable mobile phone manufacturers to produce mobile phones even slimmer than the 6.9mm thick phones available today. This panel will also make it possible to create slide-up phones that break the 10mm barrier.

This new panel is 32% slimmer than the TFT-LCD panels currently in use for mobile phones, which normally measure between 1.9 and 2.9mm. More importantly, the new product is even slimmer than OLEDs, which are typically between 1.5 and 1.8mm. This refutes the myth that LCDs are thicker than OLEDs.

In addition to its ultra-thin LED backlight technology that can raise the brightness of the panel to 400 nits, LG.Philips LCD used new ultra-thin light guide plate and glass substrate technologies to further reduce the panel's thickness. Current brightness is between 200 and 300 nits. This super-slim LCD panel also uses the company's patent pending structural modification technology to provide greater durability without the need for a stainless steel plate to protect the LCD's components.

LG.Philips LCD plans to unveil its 1.3mm LCD panel for super-slim phones at the opening of SID Mobile Displays 2006, in San Diego,

California on October 3rd, 2006.

Source: LG.Philips LCD