

Poster Presentation

## [INPp1]Interactive Technologies

Thu. Nov 28, 2019 2:30 PM - 5:00 PM Main Hall (1F)

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### [INPp1-5L]An evaluation and reduction of the coupling noise in pen-based touch screen display

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Keywords:touch screen display, AHVA, noise, Vcom compensation, passivation layer

Here we report the quantitative analysis of coupling noise in AHVA mobile display. Moreover, some approaches for reducing the coupling noise are demonstrated. The addition Vcom compensation circuit and moderate thickness of passivation layer is introduced to diminish the coupling noise.