

New Address waveform for Improvement of the Priming Effect in ac-PDP at address period

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In this study, a new address waveform is suggested to improve the priming effect. We modified waveform in Fig. 1, instead of a conventional waveform, to an address period in Address Display period Separated (ADS), for operating on the Plasma Display Panels, which used the conventional gas [He-Ne-Xe]. When the conventional ADS is used, the priming effect of the reset period suddenly decreases after 80 μ s at address period. However, when ramp pulse is added to the conventional sustain electrode waveform, the priming effect is sustained almost uniform during address period. It was experimentally demonstrated that we can effectively address stable and uniform.

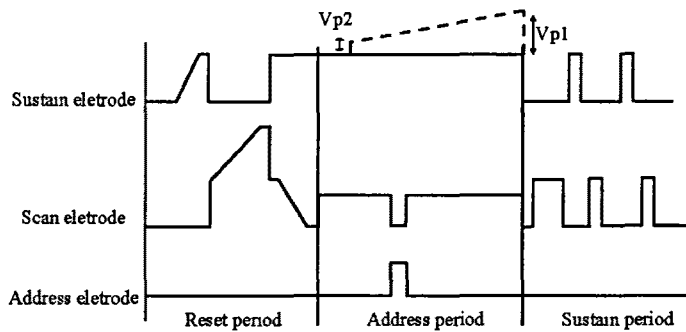


Fig. 1. Schematic diagram of Modified ADS waveform