

Abstracts

Effects of Video Detector Saturation on Radiometer Linearity (Correspondence)

J.R. Cogdell and W.-H. Su. "Effects of Video Detector Saturation on Radiometer Linearity (Correspondence)." 1970 Transactions on Microwave Theory and Techniques 18.6 (Jun. 1970 [T-MTT]): 324-325.

The effects of video detector saturation on the overall linearity of a radiometric receiver are analyzed. A simple model of the detector is used and the stochastic nature of the signals is allowed for. A useful design formula is derived.

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