

Abstracts

A Theoretical Examination of Tangential Signal to Noise Ratio (Short Papers)

H.E. Green. "A Theoretical Examination of Tangential Signal to Noise Ratio (Short Papers)." 1991 Transactions on Microwave Theory and Techniques 39.3 (Mar. 1991 [T-MTT]): 566-567.

The tangential signal to noise ratio (TSNR) continues to be used as a measure of receiver sensitivity. It is found in practice to be remarkably robust against a variety of equipment and observers. Based on the physiology of the eye, an explanation of why this is so is given in this note. The theory leads to a result for TSNR which is very close to the generally agreed value.

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