Abstracts

Prediction and Measurement of Oscillator Frequency Modulation under Random Vibration (Correspondence)

J.R. Ashley and C.B. Searles. "Prediction and Measurement of Oscillator Frequency Modulation under Random Vibration (Correspondence)." 1965 Transactions on Microwave Theory and Techniques 13.6 (Nov. 1965 [T-MTT]): 869-870.

Electronic equipment used in jet aircraft or in a missile environment must operate under broadband random mechanical and acoustic vibration. Individual component performance is tested by subjecting the operating component to band limited random noise vibration rather than to sinusoidal vibration. The analysis of component performance, particularly the problem of pinpointing the source of spurious responses resulting from such random vibration testing is often not available.

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