

Abstracts

Procedure for measurements and statistical processing of upstream channel noise in HFC-networks

K. Haelvoet, J. Vandenbruaene, E. Claus, K. De Kesel and L. Martens. "Procedure for measurements and statistical processing of upstream channel noise in HFC-networks." 1998 MTT-S International Microwave Symposium Digest 98.3 (1998 Vol. III [MWSYM]): 1207-1210.

A promising candidate for the growing bandwidth requirements of interactive multimedia services are hybrid fiber-coax CATV networks. They are however very susceptible to noise-funneling. We present a measurement method and statistical postprocessing for both ingress and impulse noise that is independent of the modulation and access technique used. The impact of ingress noise is evaluated for a TDMA/FDMA and CDMA access technique to illustrate this.

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