



## Communications Receiver Performance Degradation Handbook (Paperback)

By -

Bibliogov, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This handbook provides the radio frequency (RF) analyst with the capability to calculate the effects of noise and interference on RF communications receivers. A receiver is modeled as a sequence of modules. Each module has a transfer function that relates the module outputs to the module inputs. By consecutively analyzing each module in the sequence, the analyst can then relate the receiver outputs (performance) to the receiver inputs (signal characteristics). A wide variety of communications modulation and coding techniques are considered for this handbook including Quadrature Phase Shift Keying (QPSK), Gaussian Minimum Shift Keying (GMSK), Orthogonal Frequency Division Multiplexing (OFDM), Low Density Parity Check Coding (LDPC) and Turbo Product Coding (TPC). Interferers considered include continuous and pulsed narrow and broadband interferers which are on-tune, off-tune and adjacent channel.



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