

1. Record Nr.	UNINA9910447760203321
Titolo	1923.1-2021 - IEEE Standard for Computation of Energy Efficiency Upper Bound for Apparatus Processing Communication Signal Waveforms // Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	[Place of publication not identified] : , : IEEE, , 2021
ISBN	1-5044-7393-0
Descrizione fisica	1 online resource
Disciplina	621.38412
Soggetti	Power amplifiers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	A method for computation of an energy efficiency upper bound for an apparatus (wireless or wired) processing a particular communication signal waveform is specified in this standard. This method utilizes the signal envelope probability density function in combination with apparatus' power dissipation characteristics to calculate the energy efficiency upper bound. The purpose of this standard is to provide a consistent tool to other Working Groups and other practitioners who need to evaluate any communication signal waveforms potential for energy efficiency when implemented in hardware.