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ACROSS

- 1 The distortion produced by nonlinear impedance in a component or system when two or more signals with distinct frequencies are present (2 words)
3 A device or impedance that terminates the output of a device or transmission line
5 Mean time between failures
6 The degree to which the impedance of a component differs from the transmission line or component to which it is connected
13 The vector ratio of voltage to current, the reciprocal of admittance
15 Nonlinear vector network analyzer
18 A one-port component that terminates a transmission line
19 Frequency-dependent impedance that is capable of storing but not dissipating energy
20 Third-order intercept point
23 A mapping of the complex impedance plane onto a polar plot (2 words)

24 The control voltage and/or current applied to a device that establishes or facilitates proper operation

25 Energy at integral multiples of the frequency of the fundamental signal

DOWN

- 2 The property of a material, device or system that impedes the flow of heat (2 words)
4 The ratio of operating to non-operating time for a device (2 words)
7 The real part of the complex impedance of a semiconductor device (2 words)
8 At a given point in a transmission system, the difference between the incident and reflected power (2 words)
9 The ratio of voltage and current at every point along a transmission line on which there are no standing waves (2 words)
10 Error vector magnitude
11 Of or pertaining to magnitude but not phase

12 The ratio of the magnitude of a desired signal to that of noise (4 words)

14 The property of conductors and dielectrics that permits storing electricity when a potential difference exists between conductors

16 A measure of how much better a material is as a path for magnetic flux as compared to free space

17 The ratio of the number of bits in a data transmission that are incorrectly received to the number of bits received (3 words)

21 A circuit that produces a low frequency output signal, typically DC or video, whose amplitude is dependent upon the RF incident power level

22 Electromagnetic compatibility



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