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RF Engineering Basic Concepts: The Smith Chart

basic antenna performance by a different expression of antenna gain: > Antenna Gain: The amount by which the signal strength at the output of an antenna is increased (or decreased) relative to the signal strength that would be obtained at the output of ... Clegg(RF_Engineering).pptx ...

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RF Basic Concepts, Caspers, McIntosh, Kroyer 9 The S-matrix is only defined if all ports are matched (=terminated with the necessary load) This is important for measurements and simulation!

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Principles of RF and Microwave Measurements (Lecture Notes and Experiments for ECEN 4634/5634) by Zoya Popović and Edward F. Kuester Electromagnetics Laboratory Department of Electrical, Computer and Energy Engineering 425 UCB University of Colorado Boulder, Colorado 80309-0425 c

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CAS, Daresbury, September 2007 RF Basic Concepts, Caspers, McIntosh, Kroyer 3 The abbreviation S has been derived from the word scattering. For high frequencies, it is convenient to describe a given

network in terms of waves rather than voltages or currents. This permits an easier definition of reference planes. For practical reasons, the description in terms of in- and outgoing

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Electrical engineering

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