EERF6355 - RF and Microwave Amplifier Design

EERF 6355 RF and Microwave Amplifier Design (3 semester hours) Design of high-frequency active circuits. Review of transmission line theory. RF and microwave matching circuits using discrete and guided wave structures. Detailed study of S-parameters. Design of narrow band, broadband and low noise amplifiers. Detailed study of noise figure, noise parameters and stability of RF and microwave circuits using S-parameters. Prerequisite: EE 4368 or equivalent. (3-0) R (2016-02-05 21:58:22)