

UNIVERSITY OF TEXAS AT DALLAS
Department of Electrical Engineering

EE/TE 4367 - Telecommunications Switching & Transmission
Assignment #1

Date assigned: 1/10/2008

Date due: 1/17/2008

1.1 Determine the following equivalents:

27dBm=? dBW

36dBW= ? Watts

34dBm=? dBW

1.2 (a) A microwave transmitter has an output of 500 mW. What is its output in dBW?

(b) A combining network has two inputs: +29 dBm and +6 dBm. It has an insertion loss of 3 dB. What is the combined output in dBm?

1.3 What is liable to occur when a hybrid is connected to a two-wire connection with a poor match?

1.4 Explain LATA, SS7, RBOC, and IXC