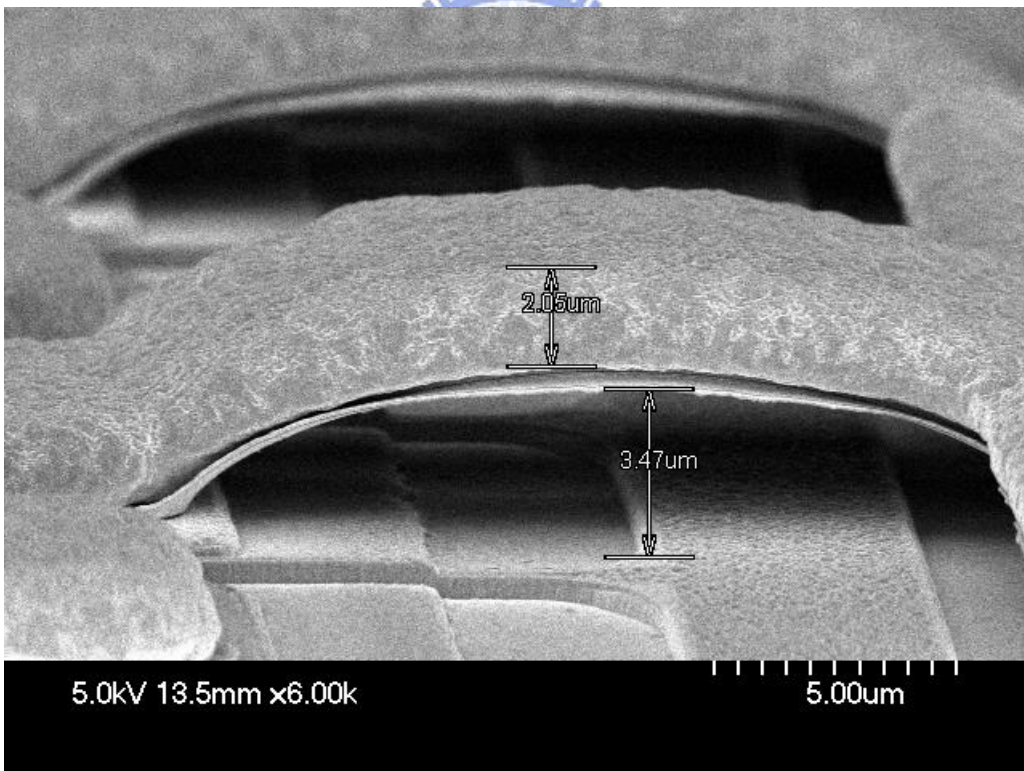


Front view



Side view

Fig. 3.9 SEM micrograph of the finished airbridge

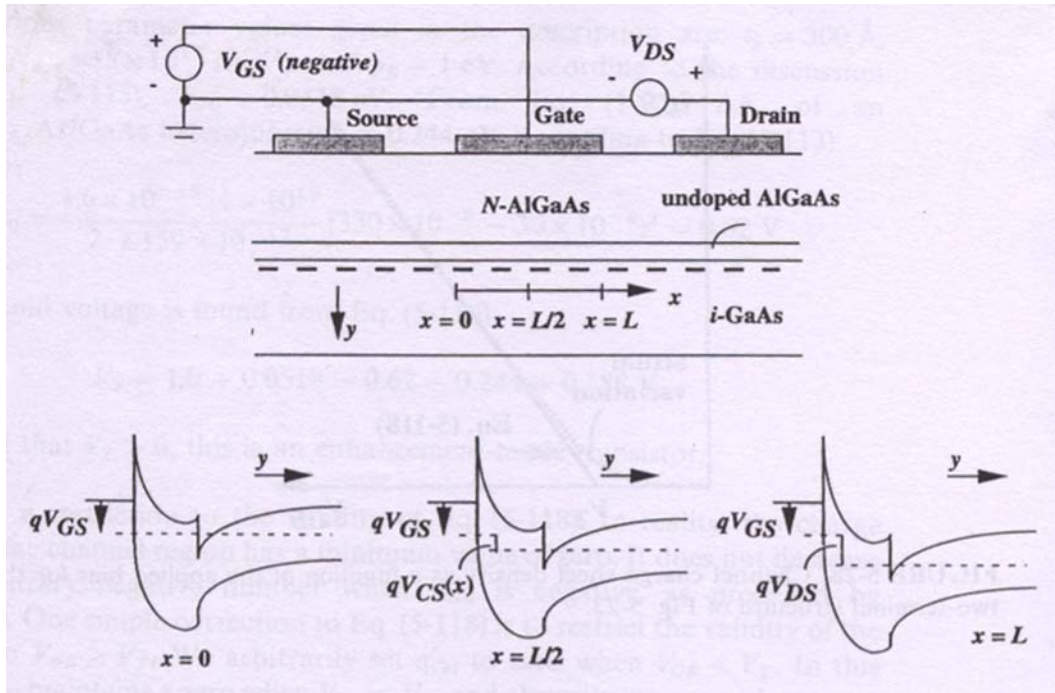


Fig. 3.10 Band diagrams at three different locations along the channel of a HEMT

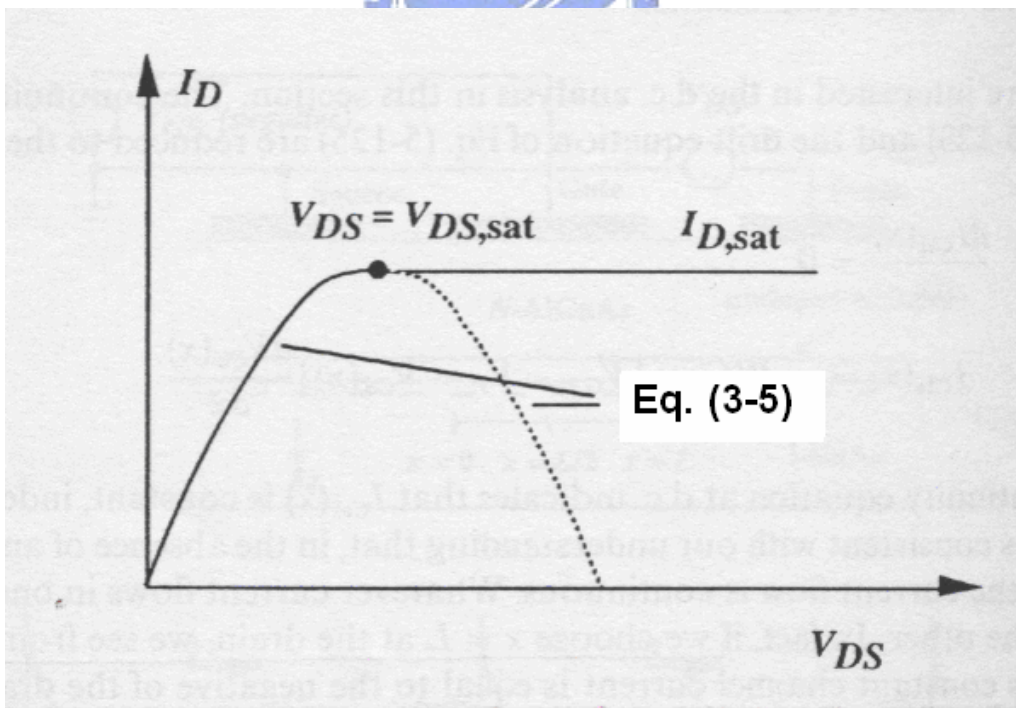


Fig. 3.11 Actual characteristics and those predicted by Eq. (3-3)

Reference book: William Liu, "Fundamentals of III-V Devices, HBTs, MESFETs, and

HFETs/HEMTs".

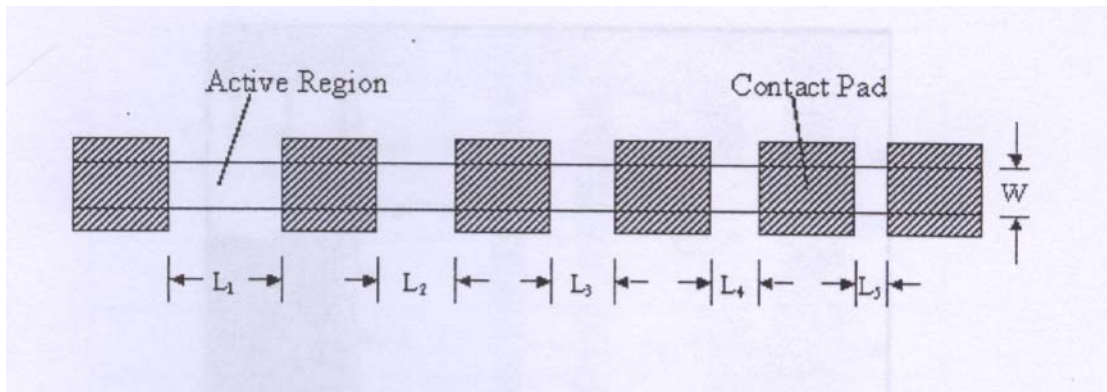


Fig. 3.12 The TLM pattern

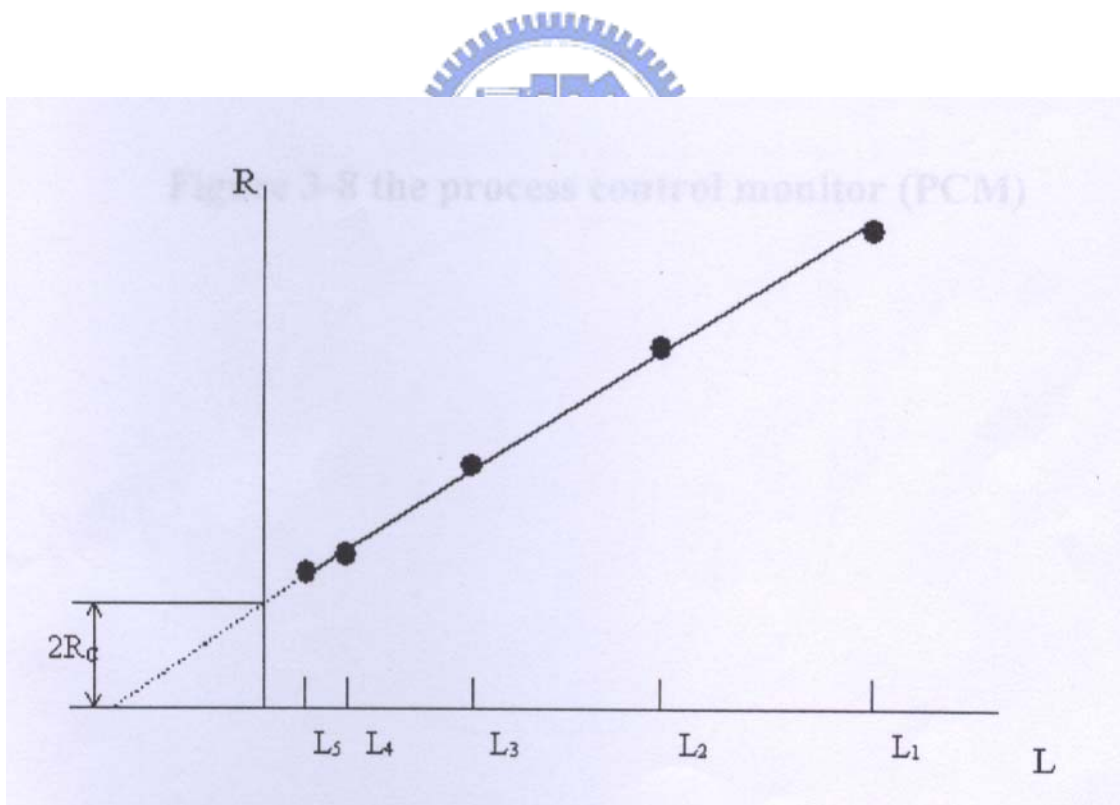


Fig. 3.13 The illustration of utilizing TLM to measure ohmic contact resistance

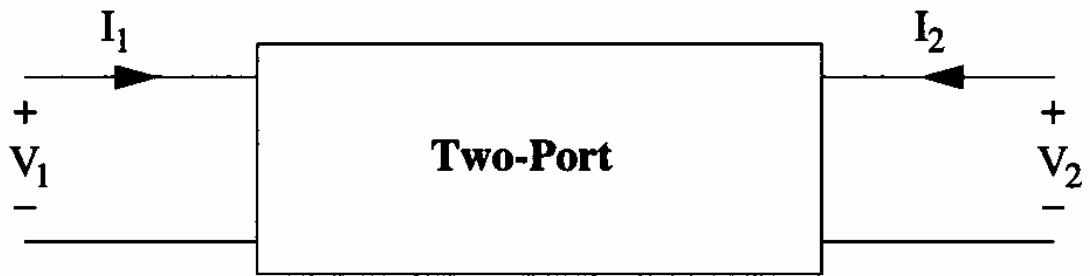


Fig. 3.14 The equivalent two-port network schematic at low frequency

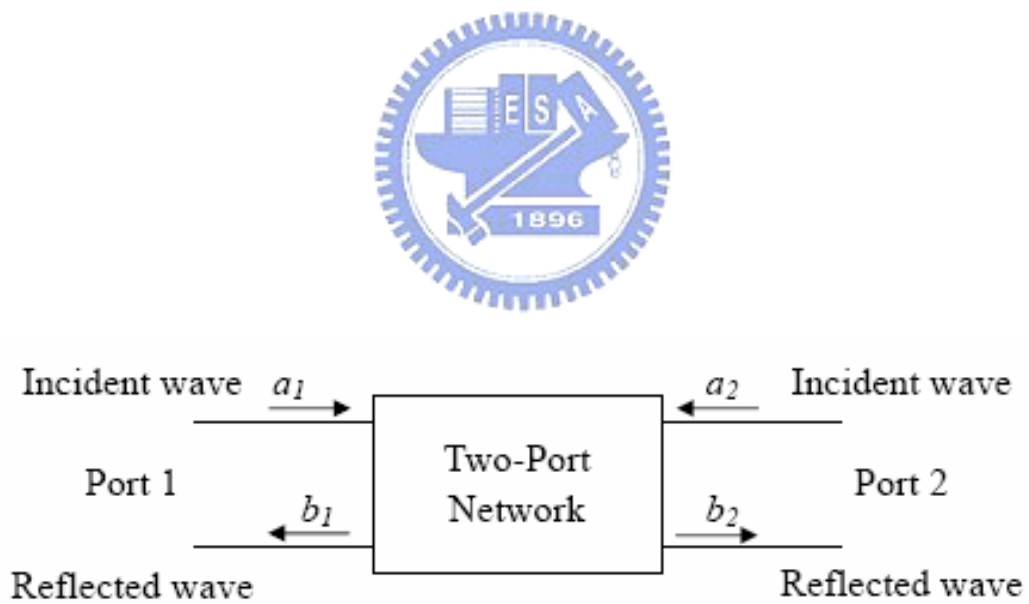


Fig. 3.15 The equivalent two-port network schematic at high frequency