Microstrip patch antenna! > nost widely used antenna) patch (node of metal) and ground plane (mode of metal) patch | Sabstrate Heave length L' dentines repenating frequency of Exconsider L and Ex defines operating frequency of Ex * W width Controls impedance of patch 4) It also controls BW of Path BW&W) The location of FED line defines the Impedance matching of the microstrip antenna! and if wish radiction also in occases

By shifting fed line wirt to patch, we can improve impedance matching (either left 87 Right shift)! The radiation of microstop antenna happens from the sado ? M W of microstrip antenna, higher the radiation * Similarly as HT, radiation also increases, bed it is limited to 0.052 (H<0.052) ** After 0.05%, the microstrip will stop to sadiate, we need to take Care of 9t! Fringing effect: -> Because of foinging effect, EM wave is radiated from patch antenna It explaines how were one sondated into space air - III moon Howards found Tringing effect Can be increased by -> lower Value of Ex) higher Value of h -> higher Value of W