



Part III: Parallel Feeding Network

Parallel Feeding Network is a kind of Four-Way Equal-Split Power Divider which works on 24GHz ISM band. Thus, about 6db attenuation is expected on each way of the Power Divider.

Fig.9 is the sketch of Parallel Feeding Network design. The model and simulation result are shown in the Fig.10. S12, S13, S14 and S15 are all in the range of -6.034 dB to -6.577 dB which satisfied the expectations.

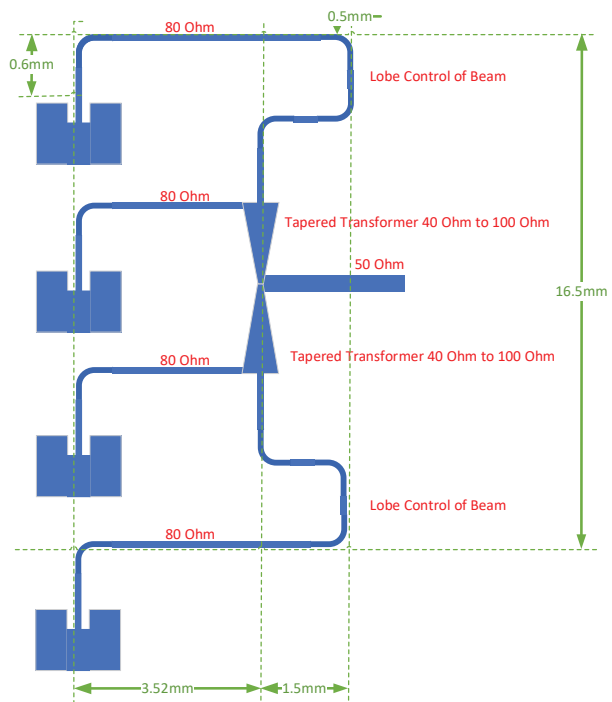


Fig.9: The sketch of Parallel Feeding Network

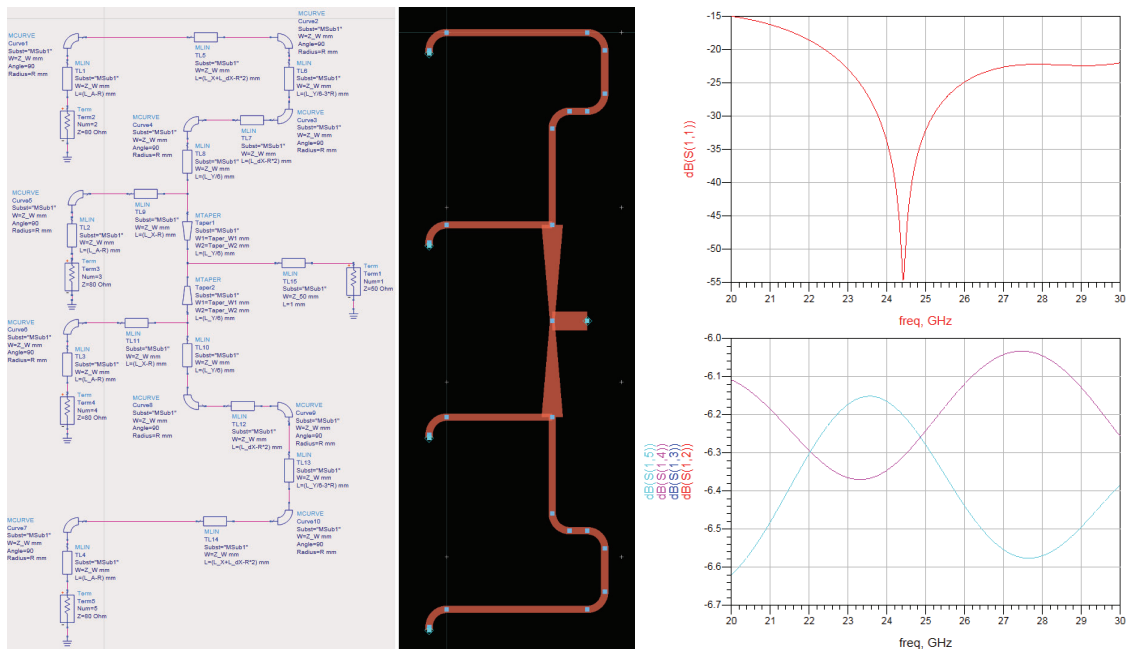


Fig.10: The model and simulation result