

ABSTRACT

Parabolic antenna is the most vital point in telecommunication. It is work as a connector terminal between transmitter and receiver via air and vacuum media. Parabolic antenna has a high gain, so it is used in telecommunication field.

Parabolic antenna that designed and made in the recent project used horn pyramidal as the exciter for 2,4 GHz \pm 100 MHz. parabolic antenna in the recent project used offset feeder typical form, that the exciter lie beside reflector.

From the calculated measurement, the result generally didn't approached the, there should be has VSWR $<$ 1.5 but from measurement it's 7,4 instead. The radiation pattern of antenna was unidirectional one. The polarization of antenna was almost linear. The gains reached by the antenna were of 5,433 dBi. The terminal impedance rates of antenna were $11 + j47$ for 2,4 GHz, $8 + j26$ for 2,3 GHz and $22 + j85$ for 2,5 GHz.

Key words : *offset feeder, exciter, unidirectional, reflector*