

ABSTRACT

In order to give telecommunication services, PT. Telkom nowadays uses extremely high quality telecommunication device. It is used to give some satisfaction to customers which store much benefits to the enterprises it targeted before. One of that device is Digital Microwave Radio type XX. Before use this device, it should be tested for its performance referred to RISTI divisions standard and rules.

In this final project is going to test and analyze. Parameter tests are transmit power, frequency, spurious signal, VSWR, sensitivity, pulse mask, jitter tolerance, jitter product, jitter transfer and also the bit rate. The testing are focused on some referred work parameters of digital microwave Radio type XX then decide appropriate level to the specification.

By the testing, it has known that all the parameters that have been tested is conformed with the specification. It means that this digital microwave radio device is can be used in Indonesia.

By knowing its specifications, will be extremely help for designs a radio communication system, due to this specification can be used as efficient as possible to design a transmission system with better performance.