

Operational Description for AP-91

This device is a general pager for receiving the message from paging service. The operation frequency band is falling in 450-458 MHz with the receiving technology of superheterodyne. RF signal is picked up by the receiving antenna, and then goes into the pre-amplifier. The pre-amplifier will enlarge the signal and then passes the enlarged signal to the RF band-pass filter for the purpose of filtering the unwanted noises. Then, mixes with the first LO to generate the first IF signal of 21.4 MHz. Uses a crystal filter to filter the noises outside the channel. Then, the wanted signal will be send into the IF processing IC and finally get into the decoder to decode the received data.