

# Theory of Operation

**MW-1500AP(H)**

The main operations of this device, MW-1500AP(H), are receiving and transmitting of data(signal). It also performed by antenna. (See antenna specification)

The data receiving procedures are as follows ;

Step 1 : signal(data) receiving via antenna

Step 2 : feed to PLL circuits

Step 3 : signal processing on Demodulation / Modulation circuits

Step 4 : Store to specified memory area controlled by CPU(AD6489)

The data transmitting is executed according to reverse order for above described procedures.

Also the PHY chip operate as switching device using its expanded function for wired data transceiver