Adjustment instruciton

PUBLIC PARTS (commissioning equipment: VOLTAGE METER):

1、BATTERY VOLTAGE: 7.5V±0.1V。
FREQUENCY RANGE: 400-500MHz.

2、check RX VCO lock voltage: high end: 3.5V±0.2V.
Low end: 0.6V。

3、check TX VCO lock voltage: high end: 3.8V±0.2V.
Low end: 0.6V。

Transmitting part (commissioning equipment : AEROFLEX3920,3A standard power supply.tesing software: PX-800 programming software)

1、 Frequency adjust: nominal frequency ±50Hz.

2、 Adjust high power: (high、middle、low ,nine points in total)5.0±1.0W.check the average current≤1.0A。

3、 Low power adjust:(high、middle、low,nine points in total)1.0±0.2W.check the current ≤0.8A。

4、 Bit error rate adjustment: adjust the MOD1,MOD2 amplitude separately, make 4FSK level＋3、－3 deviation value is ±1.944±0.1KHz, ＋1、－1 deviation±0.648±0.1KHz, bit error≤3%。

Receiver part (commissioning equipment: AEROFLEX3920,3A standard power supply.tesing software: PX-800 programming software)

RX audio power: check the maximum audio power: 1.2±0.1W。current≤0.4A。

1、 RX sensitivity adjustment:

Signal source output the standard digital signal, the amplitude is -116dBm, adjust the sensitivity items in the PX-800 , PX-820 software for the RX PCTV voltage of high,middle,low 9 frequency points in total,and make all the RX bit error rate are less than 3%.