HP-WH2980 WIRELESS HEADPHONES TRANSMITTER Operating Elements

- 1. Power supply: Used "UL" approbatory AC adaptor, DC 12 input.
- 2. DC jack input about DC12V/200mA DC source, 9V issued by MC7809 regulator ICs, supply to RF OSC and RF issued circuit and audio primary amplifier ICs consume; Q4 and 3.6V zener composing 3.0V regulator, it's power to stereo modulation ICs BA1404.
- 3. Audio jack input stereo audio signal, inside circuit can equalizer and primary amplifier the signal with ALC. it's used KA22241 dual amplifier ICs.
- 4. From primary amplifier signal issued to specific L.C B.P.F ,then send to stereo modulation ICs.
- 5. The BA1404 is a stereo modulation ICs, it have R-ch and L-ch primary amplifier, pilot OSC, MPX mixer, RF OSC, etc. But WH2980 not used RF OSC functions.
- 6. The BA1404 out put MPX signal to Q1, Q1 and peripherally 49.85MHz crystal composing oscillation and frequency modulation circuit. IFT3 and C53 resonance about 49.85MHz.
- 7. Q2 and peripherally L9 composing primary 49.85MHz amplifier.
- 8. Q3 and peripherally L10 composing second amplifier

- 9. The out put emanated by a 50 impedance unilateral antenna.
- 10. The power ON/OFF switched by SW1, D2 direction ON or OFF.