

## Operation Description of AH081R

The EUT is a wireless headphone operated at 912-914MHz to receive the audio signal from its associated transmitter.

The unit contains of UHF module, MCU control, demodulator and the audio amplifier. The RF stereo signal received from the antenna is fed into UHF module, inside UHF module the received signal is under impedance matched and amplified at Q1, and mixed with IF carrier at Q2, the mixed signal will further be amplified at Q3. Meanwhile, MCU control until controls the UHF module to accrue the stereo audio signal. The output stereo signal from UHF module will then be demodulated into left and right audio signal, and being amplified at U2 (TA2111FN), finally signal is fed out to speaker L and R.