

## Technical Description

The brief circuit description is listed as below:

- 1) U5 acts as 2.4GHz RF Module (BS851).
- 2) U2 acts as MCU (SN8P2722).
- 3) U1 and U3 act Voltage Regulators (XZ3303, XZ1803).
- 4) U4 acts as Audio Amplifier (PAM8006A).
- 5) U101 acts as Battery Charger (HR6912).
- 6) U6 acts as Audio Processor (2314).
- 7) X1 acts as a Crystal for U5.

**Antenna Type: Internal antenna**

**Antenna Gain: 0dBi**

**Nominal rated field strength: 96.7 dB $\mu$ V/m at 3m**

**Maximum allowed field strength of production tolerance: +/- 3dB**