

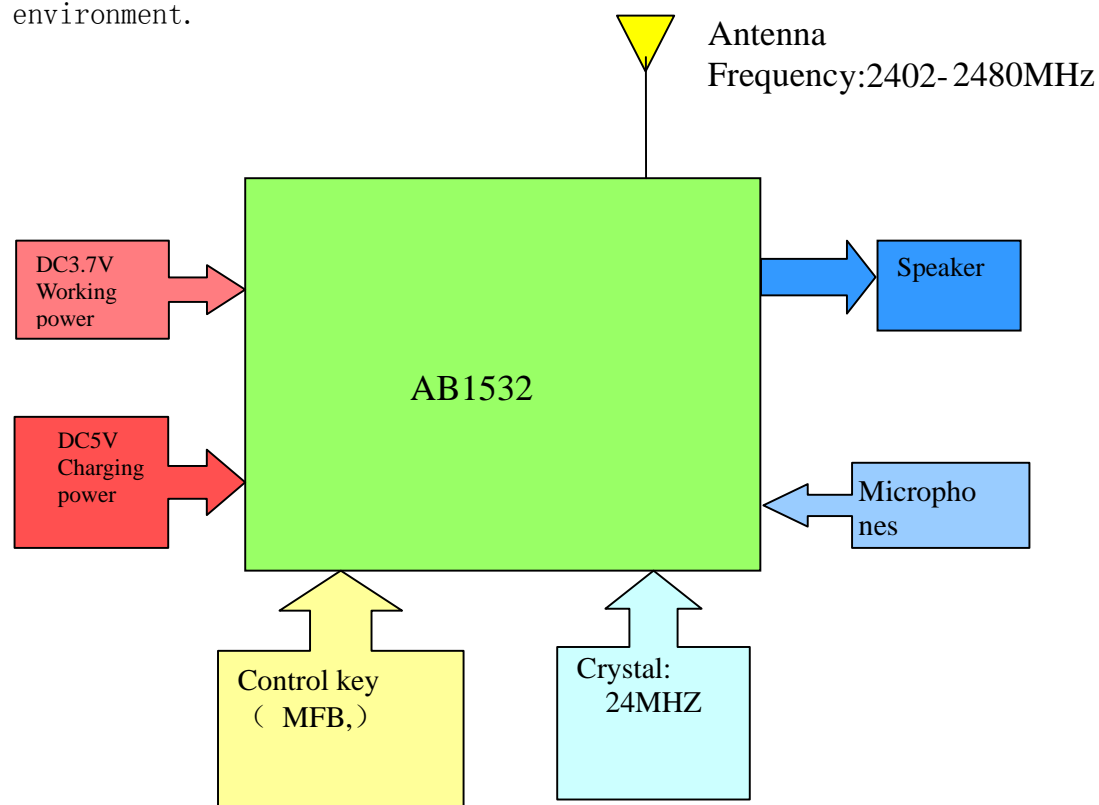
Operation Theory and Signal Trend Description:

FCC ID: 2AXQK-T09

Bluetooth Headset works in 2.4GHz frequency band (2.402GHz-2.480GHz). Maximum coverage is 10 meters.

AB1532 is a Bluetooth 5.0 mode certified single chip solution, which supports HD Audio. AB1532 provides premium audio performance, crystal-clear voice, and advanced music quality in most Bluetooth audio headset applications. A new generation of echo cancellation and noise reduction schemes improve the audio quality of the voice calls on headset products. A Tensilica HiFi EP processor is embedded for I/O peripheral control, protocol stack, and DSP processing functions of AB1532. MMI and voice prompt contents can be customized to the embedded Flash memory. An internal Audio codec supports high quality audio signals for premium audio applications. A specific touch sensor controller is equipped with power on/off control capability. A sensor DMA is also utilized by AB1532 for the purpose of low power sensor control.

AB1532 supports “AiroThru” which conducts selected ambient sounds and mixes them with the music so that the audience can stay aware in their environment.



Bluetooth Frequency: 2402 – 2480 MHz

Modulation: GFSK(1Mbps), pi/4-DQPSK(2Mbps), 8DPSK(3Mbps)

Bluetooth Version 5.0

Bluetooth Configuration: BR+EDR

Antenna Type: Ceramic

Antenna gain: 4.9dBi

Hardware version number : V1

Software version number : V0