BlueAudio is a headset and intercommunication audio application. It works with Bluetooth compliant cellular phone with both HS and HF profiles: it drops the link audio between two BlueAudio device when there is an incoming call from the cellular phone; is possible to do outgoing call by the voice capabilities of the cellular phone. The volume control and all the others functions are done via one push button. The BlueAudio device can be paired with a cellular phone and another BlueAudio device. The BlueAudio device has an antenna designed in the PCB directly, and is a quarter wavelength trace. The ground area see completed the antenna and the radio chipset is grounded as recommended by the chip designer.