

1. Description for how the device was activated

This device is a hand-free speaker for cellular phone. It will be activated when there is a call in or out with the cellular phone plugged on it. And then modulated the voice signals from cellular phone into its own carrier 88.25 MHz and transmits to the car FM radio. So, the voice can be played from a car FM radio.

2. The modulation signal is 1 kHz with a level of 10mV (Maximum permitted level declared by manufacturer) when measured the emission bandwidth. But, when measured the radiated emissions, there was no modulation signal added, for the reason of unmodulated carrier was higher than the modulated carrier.