

FCC ID: XENK82GDB

### Circuit Description

The 26MHz crystal oscillator drives the base of 2.4GHz the final/buffer amplifier. The modulation provided by MSK. The output of carrier has the matching network consisting of proper band pass filter that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

#### Antenna, Ground and Power Source

The antenna consists of a 60mm long PCB antenna. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by USB.

### **Operation Descriptions**

The dongle transmitter and receiver are operated at 2.4GHz and powered by USB. The transmitting and receiving frequencies are crystal controlled. The operation is achieved by different combinations of frequency modulating signals on the 2.4GHz carrier frequency.

#### Remarks:

The EUT transmits while received keyboard signal. It is Modulation by IC and type is pulse modulation.