

FCC ID: XENK82GKB

Circuit Description

The 26MHz crystal oscillator drives a 2.4GHz carrier frequency. 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 affect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

The antenna consists of a 60mm long PCB antenna with -2 to -6dBm antenna gain. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by 4.5 Volt ("AAA" size battery x 3) primary battery.

Operation Descriptions

The keyboard transmitter and receiver are operated at 26MHz and powered by 4.5 Volt ("AAA" size battery x 3) primary battery. Its 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 buttons in the keyboard is being pressed. It is Modulation by IC and type is pulse modulation.