1.5 Product Descriptions(Application/Features/Specification)

The EUT is a RF Keyboard. A major technical descriptions of EUT is described as following:

27.095 and 27.195MHz
FSK
Integral
2
100 KHz
The EUT encoder generates a pulse code serially transmit (typical designation) into the modulator(or called as mixer) stage in circuit. This pulse signal mixed with the carrier at modulator(mixer) stage by way of FSK mode frequency modulation. The modulation depth is designed such as ± 5KHz in this application, that means the pulse(may be at high level state or low level state) will trigger the oscillator to generate a frequency at a specified fundamental frequency +5KHz or –5KHz, depended on the designation. For example, if the carrier frequency defined as fundamental frequency +5KHz at high level state, then the alternative carrier frequency will be fundamental frequency –5KHz at low level state. Then the modulator(mixer) will output a modulated signal into RF amplifier stage and finally to the transmit antenna.