

Description of Operation

EUT is operating in the 2.4GHz ISM (Industrial Scientific Medicine) band. In a vast majority of countries around the world the range of this frequency band is 2400-2483.5 MHz. Within the ISM band, this device transmissions hop between 79 separate frequencies 1600 times every second. Channel spacing is 1MHz. The Modulation is GFSK (Gaussian Frequency shift keying) with a BT=0.5. The Modulation index must be between 0.28 and 0.35. The antenna is Inverted Antenna, and there is no antenna connector.

The device is a Bluetooth device developed with Bluetooth technology, which can connect to other Bluetooth devices such as mobile phone, PDA, or notebook computer (with audio gateway profile supported) wirelessly to attain voice transferred purpose. It supports Headset and Handsfree.

Features of Equipment under Test

Items	Description
Type of Modulation	GFSK
Number of Channels	79
Frequency Band	2402 MHz ~ 2480 MHz
Data Rate	1 Mbps
Channel Bandwidth	800 kHz
Max. Conducted Output Power	3.88 dBm
Antenna Type	Chip Antenna / 3.79dBi
Testing Duty Cycle	39.68%
Test Power Source	120.00V AC
Power Rating	DC 5.00V from adapter DC 3.70V from battery
Temperature Range (Operating)	-20 ~ 70 °C