

## Operational Description of the equipment

Bluetooth is a short-range wireless communication technology. It allows wireless connections between Bluetooth devices such as cellular phones, personal digital assistants (PDA), desktop and notebooks computers, input-output devices (mouse, keyboards, printers), home appliances. Bluetooth refers to a worldwide standard designed to operate in the internationally recognized ISM (industrial Scientific and Medical) frequency band. Within the ISM band (2.4GHz-2.48GHz) Bluetooth transmissions hop between 79 separate frequencies 1,600 times every second, and with a communication range of about 10 meters (class II).

<b>PRODUCT</b>	BLUETOOTH HEADSET
<b>MODEL NO.</b>	BTHS-6023, BT-3000
<b>POWER SUPPLY</b>	3.7Vdc, 30mA
<b>CABLE</b>	N/A
<b>I/O PORT</b>	N/A
<b>FREQUENCY BAND</b>	2400~2483MHz
<b>CARRIER FREQUENCY</b>	CH0: 2402MHz~CH78: 2480MHz
<b>NUMBER OF CHANNEL</b>	79
<b>CHANNEL SPACING</b>	1MHz
<b>RATED RF OUTPUT POWER</b>	-6 dBm
<b>I.F. &amp; L.O.</b>	I.F.: 0MHz, L.O.: MHz
<b>MODULATION TYPE</b>	GFSK
<b>MODE OF OPERATION</b>	duplex
<b>DUTY CYCLE</b>	50%
<b>BIT RATE OF TRANSMISSION</b>	723Kbps
<b>ANTENNA TYPE</b>	PCB antenna
<b>ANTENNA GAIN</b>	1 dBi