

OPERATIONAL DESCRIPTION

The EUT is “Wireless Audio Module”.

A major technical description of EUT is described as following

Frequency Band	2400MHz-2483.5MHz
Operation Frequency Range	2402MHz-2480MHz
Bluetooth Version	V5.2
Modulation Type	BLE <input checked="" type="checkbox"/> GFSK 1Mbps <input checked="" type="checkbox"/> GFSK 2Mbps
Number of channels	40
Carrier Frequency of Each Channel	40 Channel (37 hopping + 3 advertising channel)
Channel Separation	2 MHz
Maximum Transmitter Power	BLE GFSK 1Mbps: -2.580dBm (0.552mW) BLE GFSK 2Mbps:-2.613dBm (0.548mW)
Hardware Version	rev 1
Software Version	1.2.0+5
Antenna Designation	PCB Antenna
Antenna Gain	3.3dBi
Power Supply	DC 3.7V by battery or DC 5V by adapter
Adapter Information	N/A

After the product has been connected to DC 3.7V by battery, product will start to work through XTAL 32MHz (X200) vibration. During transmitting, transceiver (U200:nRF5340) will output low-power signals, and then radiate signals to the space through Antenna network.