

OPERATIONAL DESCRIPTION

The EUT is “Wireless Audio Module”.

A major technical description of EUT is described as following

Technology Type	Bluetooth Low Energy
Frequency Band	2400MHz-2483.5MHz
Operation Frequency Range	2402MHz-2480MHz
Bluetooth Version	V5.2
Modulation Type	BLE ☒ GFSK 1Mbps ☒ GFSK 2Mbps
Number of channels	40
Carrier Frequency of Each Channel	40 Channels (37 Data channels + 3 Advertising channels)
Channel Separation	2 MHz
Maximum Transmitter Power	-0.152dBm
Hardware Version	1
Software Version	1
Antenna Designation	PCB Antenna
Antenna Gain	3.3dBi
Power Supply	DC 3.7V by battery or DC 5V by adapter

After the product has been connected to DC 3.7V by battery or DC 5V by adapter, product will start to work through XTAL 32MHz (X200) vibration. During transmitting, transceiver (U200:nRF5340) will output low-power signals, and then eradiate signals to the space through Antenna network.