

# OPERATIONAL DESCRIPTION

The EUT is “WIFI Bluetooth speaker”.

A major technical description of EUT is described as following

Operation Frequency	2.402 GHz to 2.480GHz
Maximum field strength	88.27dBuV/m(AV)@3m
Bluetooth Version	V2.1+EDR
Modulation	GFSK, $\pi/4$ -DQPSK, 8DPSK
Number of channels	79 for BR/EDR
Antenna Gain	0dBi
Antenna Designation	Integrated Antenna (Met 15.203 Antenna requirement)
Hardware Version	BT225_V1.6B
Software Version	1.0
Power Supply	DC 3.7V by battery or DC 5V by Micro-USB
Note: The USB is used to connect EUT to DC Power.	

After the product has been connected to DC 3.7V by battery or DC 5V by Micro-USB, product will start to work through XTAL 26MHz (Y1) vibration. During transmitting, transceiver (U1: MT6622N) will output low-power signals, and then radiate signals to the space through Antenna network.

Operation Frequency	2.412 GHz~2.462GHz
Output Power	IEEE 802.11b:14.36dBm; IEEE 802.11g:11.95dBm; IEEE 802.11n(20):11.24dBm; IEEE 802.11n(40):6.81dBm
Modulation	DSSS(DBPSK/DQPSK/CCK);OFDM(BPSK/QPSK/16-QAM/64-QAM)
Number of channels	11
Hardware Version	BT225_V1.6B
Software Version	1.0
Antenna Designation	Internal Antenna (Met 15.203 Antenna requirement)
Antenna Gain	0dBi
Power Supply	DC 5V by Micro USB
Note: The USB is used to connect EUT to DC Power.	

After the product has been connected to DC 3.7V by battery or DC 5V by Micro-USB, product will start to work through XTAL 40MHz (X1) vibration. During transmitting, transceiver (U1: MT7688AN) will output low-power signals, and then radiate signals to the space through Antenna network.