OPERATIONAL DESCRIPTION

The EUT is designed as "Bluetooth Speaker". It is designed by way of utilizing the GFSK, Pi/4 DQPSK and 8DPSK technology to achieve the system operation.

A major technical description of EUT is described as following

Operation Frequency	2.402 GHz to 2.480 GHz
RF Output Power	0.592dBm (Max)
Bluetooth Version	V5.1
Modulation	BR ☒GFSK, EDR ☒π /4-DQPSK, ☒8DPSK BLE ☐GFSK 1Mbps ☐GFSK 2Mbps
Number of channels	79
Hardware Version	AD-BT-C13 V1.0
Software Version	DE78-67DCE7D0
Antenna Designation	PCB Antenna (Comply with requirements of the FCC part 15.203)
Antenna Gain	-0.68dBi
Power Supply	DC 3.7V by battery or DC 5V by adapter

After the product has been connected to DC 3.7V, product will start to work through XTAL24MHz (Y1) vibration. During transmitting, transceiver (U1: AB6969A) will output low-power signals, and then eradiate signals to the space through Antenna network. During receiving signal, antenna will send electromagnetic wave signal, and then signal will be sent to transceiver to demodulate.

All additional features that are not directly associated with the transmitter portion which are subject to §15.101 Equipment authorization of unintentional radiators, will be authorized under the SDoC procedure.