

OPERATIONAL DESCRIPTION

The device is Bluetooth keyboard.

The AB1107 is a highly integrated SOC chip which is compliant with Bluetooth 3.0 specification. AB1107 integrates RF transceiver, baseband processor, PMU, MCU, Switching regulator, Boost regulator and serial communication interfaces. It lowers down the entire system cost and minimizes the total solution area. Up to 8x18 key matrix scan ability can be supported by it. With the respective software stack design of AB1107, a single-chip solution for Bluetooth wireless keyboard products is provided without the need of external MCU.

The device designated with the following general information and technical specification as following:

The General Information of the Device

Operation Frequency	2.402 GHz to 2.480GHz
Main Chip	AB1107
OSC	26MHz
RF Output Power	3.24dBm(Max)
Bluetooth Version	V 3.0
Modulation	GFSK
Number of channels	79
Hardware Version	3.0+HS
Software Version	V3.2
Antenna Designation	Integrated Antenna
Antenna Gain	0dBi
Power Supply	DC3.7V by Battery

Note:

1. The EUT can be operated during charging via USB (adaptor or PC connection). The USB port is for charging only.
2. The EUT is equipped with the Bluetooth Chip AB1107 which complies with Bluetooth V 3.0, but for this device the functionality is limited to GFSK (1MBit/s) by the firmware. End-user is not able to change the settings and enable any additional functionality by himself.
3. All the tests blow were performed base on the modulation used.