

## Operational Description

**AB5308A** is a compact, highly integrated system on chip for Bluetooth V5.1 with Enhanced Data Rate applications. This SOC complies with Bluetooth specifications and is backward - compatible with Bluetooth 2.1, 2.0 or 1.2 systems. The radio system uses one of 79 channels (the frequency range is 2.402 - 2.480GHz) to send signal in random. It works with a base clock **26MHz** and a RTC **32.768kHz**. This Bluetooth includes a data rate of 1/2/3Mbps RF with a full - duplex UART, SPI, interface with EDR applications.

Power Supply of this product is AC120/60Hz.

Technical Characteristics	
Bluetooth Version:	V5.1 (BR/EDR mode)
Frequency Range:	2402-2480MHz
Data Rate:	1Mbps, 2Mbps, 3Mbps
Modulation:	GFSK, $\pi/4$ DQPSK, 8DPSK
Quantity of Channels:	79
Channel Separation:	1MHz
Type of Antenna:	PCB Antenna
Antenna Gain:	0dBi