

Circuit Description

N69-C Smart Light Sound Machine uses AB5602D chip and Bluetooth 5.0. The whole Bluetooth protocol architecture can be divided into three parts: the bottom hardware module, the middle protocol layer and the high-end application layer. The external circuit consists of antenna RF matching circuit, 26MHz(Y7) oscillation circuit, power filter circuit and output circuit, KEY function key PIO circuit and LED indicator lamp

Operation Frequency:	2402-2480 MHz
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Number Of Channel	79CH
Antenna Designation:	PCB antenna
Antenna Gain	-0.76dBi
Ratings:	DC 5V charging from adapter

OPERATIONAL DESCRIPTION

A wireless charging system consists of a pair of transmitters and receivers. The wireless charging transmitter uses a power amplifier to transmit an alternating magnetic field through a TX inductive coil. The wireless power receiver then receives the alternating magnetic field energy through the RX inductive coil, which is highly coupled to the TX coil. In the transmitter side, the power amplifier inverts the DC power to an AC current through the TX coil to generate a magnetic field. The 91007 transmitter controller will support up to 15W of power transmission which is compliant with the WPC 1.2.4 standard and the work frequency is 110KHz-205KHz.

Product Name:	Smart Light Sound Machine
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	110KHz~205KHz
QI Version:	V1.2.4
Modulation Technique:	ASK
Modulation Type:	ASK
Antenna Frequency	110KHz~205KHz
Power Supply:	DC 5V charging from adapter

1. The device is a wireless charge
2. The chip 91007 acts as wireless charging system, Operation Frequency is 110KHz~205KHz
3. For more information, please refer to the user manual.