

OPERATIONAL DESCRIPTION

The equipment under test (EUT) is a transmitter of 2.408-2.474GHz ATLANTIK speaker.

A major technical description of EUT is described as following

Product Designation	Flower Shower LED Speaker
Operation Frequency 工作频率	26MHz
Maximum conducted Peak output power 最大传导峰值输出功率	3.06dBm
Modulation 振幅调制	1M 2M 3M
Number of channels 通道数	72
Hardware Version 硬件版本	VE
Software Version 软件版本	S3319
Antenna Designation 天线名称	PCB Antenna
Antenna Gain 天线增益	-0.58dBi
Power Supply Normal Voltage: 正常电压	DC 3.7V

Operation principle description:

The 300mAh polymer battery provides operating voltage and current to the entire circuit. When the battery power is low, the battery can be charged through the charging column. The 26MHz crystal oscillator provides the main control chip with a normal operating frequency. The 36D main control chip receives the signal sent by the corresponding function button, and performs functions such as turning on and off, adjusting the upper and lower song and the volume, and at the same time lights up different LED instructions in different states. The signal is received through the carrier frequency of 26MHz, and the audio signal is decoded by the master to drive the speaker.