

Operation Description

This product is a Portable Media console for Children. The wireless charger base model is BB800. Charged by DC 5V/2A from adapter and output is DC 5V/1A. The USB port is for charging only, no data transmission function.

The EUT Support Radios Application: NFC/WIFI/ Wireless Power Charging

The EUT is working base on the MCUSTM32F412VET6, Crystal is 8 MHz.

The WiFi module EMW3166 operates via MCU STM32F412 WLCSP64 (Crystal: 26MHz*2, 32.768KHz) and Wi-Fi SoC BCM43362. The NFC MCU is PN512AA0HN1/C2 (Crystal: 27.12MHz).

NFC:

Operation Frequency: 13.56MHz

Antenna Type: Loop Antenna

Antenna Gain: 0dBi

2.4G WIFI:

Work in the 2.4GHz (2412MHz~2462MHz), Modulation: DSSS and OFDM on IEEE 802.11 protocols and support 802.11b/g/n(HT20).

Channel spacing: 5MHz

11 channels for 20MHz bandwidth (2412-2462MHz)

Antenna type: PCB printed antenna

Antenna gain: 2.0dBi