

Analysis Report

Report No.: 18020132HKG-002

The MCG-13268 is a Bluetooth Camera. After pairing the EUT with a smartphone, the EUT camera function can be controlled via the smartphone Apps. The USB port can perform data transfer between PC or Tablet. The EUT is powered by new 8X size "AA" batteries and/or adaptor (12VDC). The EUT supports SD card storage for the image. The EUT can only support Bluetooth 4.0 BLE only.

2.4GHz Bluetooth 4.0 BLE portion:

Modulation Type: GFSK

Antenna Type: Integral, Internal (PCB Trace)

Antenna gain is 0dBi

EIRP range is -8dBm to 4dBm

Frequency Range: 2402MHz - 2480MHz, 2MHz channel spacing, 40 channels

According to the KDB 447498:

Conducted Power = EIRP – antenna gain
= 4dBm - 0dBi = 4dBm = 2.51 mW

The SAR Exclusion Threshold Level:
= $3.0 * (\text{min. test separation distance, mm}) / \text{sqrt}(\text{freq. in GHz})$
= $3.0 * 5 / \text{sqrt}(2.480)$ mW
= 9.53 mW

Since the above conducted output power is well below the SAR Exclusion threshold level, so the EUT is considered to comply with SAR requirement without testing.