

Analysis Report

The OCLU Camera C01010 is a Digital Sports camera which contains a WiFi module. The USB port is charging purpose only. The EUT is powered by internal 3.7V rechargeable battery and/or USB port (5VDC).

The Equipment Under Test (EUT) operates at frequency range of 2412MHz to 2462MHz with 11 channels.

Antenna Type: Internal, Integral
Antenna Gain: 2 dBi

Operating mode	Range of EIRP	Modulation Type
<u>WLAN portion</u>		
802.11b	0dBm to 5.5dBm	DSSS
802.11g	0dBm to 5.5dBm	OFDM
802.11n (HT20)	0dBm to 5.5dBm	MCSn (n=0 to 7)

According to the KDB 447498:

Max Conducted Power = 5.5 dBm – 2 dBi = 3.5 dBm (2.24 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.