



RF Exposure Report

FCC ID: 2ADD4-CR10iNG

FCC 47 CFR Part 15 Subpart C

Product : NETWORK SECURITY EQUIPMENT

Trade Name : CYBEROAM

Model Number : CR10iNG

Issued for

Neurona LLC

300 International Drive, Suite 100, Amherst, NY 14221

Issued by

Shenzhen STONE Testing Technology Co., Ltd.

F/6, Bldg.12, Zhongxing Industrial City, Chuangye Rd.,
Nanshan District, Shenzhen, Guangdong, China

Tel.: +86-0755-26582862 Fax.: +86-0755-61673854

Website: www.stt-lab.org

*Note: This report shall not be reproduced except in full, without the written approval of Shenzhen STONE Testing Technology Co., Ltd.. This document may be altered or revised by Shenzhen STONE Testing Technology Co., Ltd. personnel only, and shall be noted in the revision section of the document.
The test results in the report only apply to the tested sample.*



MPE Calculation

1. Antenna Gain:

Dipole Antenna: 2.412 ~2.462GHz: 2.0 dBi

2. EUT Operation Condition:

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

3. Exposure Evaluation:

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S=(PG)/4\pi R^2$$

Where

S: power density

P: power input to the antenna

G: power gain of the antenna in the direction of interest relative to an isotropic radiator.

R: distance to the center of radiation of the antenna

4. Test Result:

2.4G BAND MPE Result						
Mode	N _{TX}	Frequency (MHz)	Power (dBm) [P]	ANT Gain (dBi) [G]	Distance (cm) [R]	Power Density (mW/ cm ²) [S]
802.11b	1	2412	16.54	2.0	20	0.0142
802.11g	1	2412	15.18	2.0	20	0.0104
802.11n (HT20)	2	2412	16.86	2.0	20	0.0153
802.11n (HT40)	2	2437	16.79	2.0	20	0.0150
Note:						
(1) N _{TX} = Number of Transmit Antennas						
(2) RF Output power specifies that Maximum Conducted Peak Output Power.						

5. Conclusion:

FCC and IC:

FCC: As specified in Table 1B of 47 CFR 1.1310- Limits for Maximum Permissible Exposure (MPE),

IC: As specified in 4.2 RF Field Strength Limits for Devices Used by the General Public (Uncontrolled Environment)

Limits for General Population/ Uncontrolled Exposure

Frequency Range (MHz)	Power density (mW/ cm ²)
300-1,500	F/1500
1,500-100,000	1.0

For WLAN 2.4G BAND



MPE limit S: 1 mW / cm²

The MPE is calculated as 0.0153mW / cm² < limit 1 mW / cm². So, RF exposure limit warning or SAR test are not required.

The EUT will only be used with a separation of 20cm or greater between the antenna and nearby persons and can therefore be considered a mobile transmitter per 47 CFR2.1091 (b).

The RF Exposure Information page from the manual is included here for reference.

Note

For a more detailed features description, please refer to the RF Test Report.