

RF Exposure Report

Report No.: SA190626D12

FCC ID: RFH-CNRCPO8500T

Test Model: CNR-CPO-8500T

Received Date: Jun. 26, 2019

Test Date: Jul. 27 to Aug. 6, 2019

Issued Date: Aug. 15, 2019

Applicant: IEI Integration Corp.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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**FCC Registration /
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Release Control Record

Issue No.	Description	Date Issued
SA190626D12	Original release.	Aug. 15, 2019

1 Certificate of Conformity

Product: IPC

Brand: iEi

Test Model: CNR-CPO-8500T

Sample Status: Engineering sample

Applicant: IEI Integration Corp.

Test Date: Jul. 27 to Aug. 6, 2019

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D01 General RF Exposure Guidance v06

IEEE C95.3 -2002

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by :

Annie Chang

Date:

Aug. 15, 2019

Annie Chang / Senior Specialist

Approved by :

Rex Lai

Date:

Aug. 15, 2019

Rex Lai / Associate Technical Manager

2 RF Exposure

2.1 Limits For Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	...	...	f/1500	30
1500-100,000	...	...	1.0	30

f = Frequency in MHz ; *Plane-wave equivalent power density

2.2 MPE Calculation Formula

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user.

So, this device is classified as **Mobile Device**.

2.4 Calculation Result Of Maximum Conducted Power

Function	Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
BT LE	2402-2480	1.80	2.2	20	0.0005	1
BT EDR	2402-2480	1.80	2.2	20	0.0005	1
WLAN	2412-2462	22.48	5.21	20	0.1169	1
WLAN	5180-5240	18.04	6.13	20	0.0520	1
WLAN	5260~5320	18.01	6.13	20	0.0516	1
WLAN	5500-5700	18.05	6.13	20	0.0521	1
WLAN	5745~5825	18.03	6.13	20	0.0518	1

Note:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. 2.4GHz: Directional gain = 2.2dBi + 10log(2) = 5.21dB
5.0GHz: Directional gain = 3.12dBi + 10log(2) = 6.13dBi
3. The WLAN 2.4GHz, WLAN 5GHz and BT can't transmit simultaneously.

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