

RF Exposure Report

Report No.: SA150519C24

FCC ID: E90-002ZEAL03

Test Model: ZEAL-S03, ZEAL-C03

Received Date: May 19, 2015

Test Date: May 25 ~ May 31, 2015

Issued Date: Jun. 03, 2015

Applicant: ADC Technology Inc.

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

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(R.O.C.)

Test Location: No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City
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Release Control Record

Issue No.	Description	Date Issued
SA150519C24	Original release	Jun. 03, 2015

1 Certificate of Conformity

Product: Bluetooth module

Brand: ADC Technology

Test Model: ZEAL-S03, ZEAL-C03

Sample Status: Engineering sample

Applicant: ADC Technology Inc.

Test Date: May 25 ~ May 31, 2015

Standards: FCC Part 2 (Section 2.1091)

KDB 447498 D03

IEEE C95.1

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 EMC characteristics under the conditions specified in this report.

Prepared by :


Maggie Wu / Specialist

Date:

Jun. 03, 2015

Approved by :



Ken Liu / Senior Manager

Date:

Jun. 03, 2015

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				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

2.2 MPE Calculation Formula

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

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**.

3 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
2402-2480	9.62	2.5	20	0.003	1

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