

# RF Exposure Evaluation

## of

E.U.T. : ACCESS READER

FCC ID. : 2AOANTWSECOMOPC002C

MODEL : OPC002C

## for

APPLICANT : SECOM TAIWAN

ADDRESS : No. 139, Zhengzhou Road, Datong District,  
Taipei City, Taiwan (R.O.C.)

Prepared by

**ELECTRONICS TESTING CENTER, TAIWAN**

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Report Number : 17-06-RBF-022-MPE

# TEST REPORT CERTIFICATION

Applicant : SECOM TAIWAN  
NO. 139, ZHENGZHOU ROAD, DATONG DISTRICT, TAIPEI  
CITY, TAIWAN (R.O.C.)

Manufacturer : SECOM TAIWAN  
NO. 139, ZHENGZHOU ROAD, DATONG DISTRICT, TAIPEI  
CITY, TAIWAN (R.O.C.)

## Description of EUT

- a) Type of EUT : ACCESS READER
- b) Trade Name : SANGEAN
- c) Model No. : OPC002C
- d) Serial Model : --
- e) Power Supply : DC 12V

Regulation Applied : FCC KDB447498 D01. The equipment fulfills the requirements on power density for general population/uncontrolled exposure and therefore fulfills the requirements of section 1.1310 of FCC 47 CFR Part 1.

## Note:

1. The result of the testing report relate only to the item tested.
2. The testing report shall not be reproduced expect in full, without the written approval of ETC

Date Test Item Received : *Jun. 15, 2017*  
Date Test Campaign Completed : *Jul. 10, 2017*  
Date of Issue : *Aug,30, 2018*

Test Engineer : *Brian Huang*  
(Brian Huang, Engineer )

Approve & Authorized Signer : *Vincent Chang*  
Vincent Chang, Supervisor  
EMC Dept. II of ELECTRONICS  
TESTING CENTER, TAIWAN



**Product Information:**

Type of EUT: ACCESS READER

FCC ID: SANGEAN

Model: OPC002C

*According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation distance  $\leq 50$  mm are determined by:*

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f \text{ (GHz)}}] \leq 3.0$$

The max. average power of channel, including tune-up tolerance(mW) is 19.8dB  $\mu$  V(30m)=0.0000028647mW@ 0.01356GHz (With Tune-up tolerance),

The min. test separation distance (mm) is 5 mm,

So, [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]  $\cdot$  [ $\sqrt{f}$ (GHz)] = 0.000000066717 < 3.0 (With Tune-up tolerance).

Therefore, standalone SAR measurements are not required for both head and body.