

RF Exposure Evaluation

of

E.U.T. : Bodypack transmitter
FCC ID. : B5DB1246M
Model No. : RE3-BPT-6M
Working Frequency : 653~657 MHz

for

APPLICANT : Bosch Security Systems, Inc.
ADDRESS : 8601 East Cornhusker Highway Lincoln, NE 68507
USA

Test Performed by

ELECTRONICS TESTING CENTER (ETC) , TAIWAN
NO. 34. LIN 5, DINGFU VIL., LINKOU DIST.,
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Report Number : 18-09-RBF-012-09-MPE

TEST REPORT CERTIFICATION

Applicant : Bosch Security Systems, Inc.
8601 East Cornhusker Highway Lincoln, NE 68507
USA

Manufacturer : JTS Professional Co., Ltd.
No. 148, Industry 9th Road, Tali Dist., Taichung City 41280
Taiwan, R.O.C.

Description of EUT :

a) Type of EUT : Bodypack transmitter

b) Trade Name : Electro-Voice

c) Model No. : RE3-BPT-6M

d) FCC ID : B5DB1246M

e) Working Frequency : 653~657 MHz

f) Power Supply : DC 3V Battery

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



Issued Date : Dec.27, 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: Bodypack transmitter
FCC ID: B5DB1246M
Model: RE3-BPT-6M

According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation distance ≤ 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 10.0mW @ 656.950MHz (With Tune-up tolerance),

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

So, $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 1.62 < 3.0$ (With Tune-up tolerance).

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

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