

FCC RF Exposure Report

FCC ID : 2ACAHTVA3
Equipment : TV Adapter
Model No. : TVA3
Applicant : SBO Hearing A/S
Address : Kongebakken 9 DK-2765 Smoerum, Denmark
Standard : 47 CFR FCC Part 2.1091
Received Date : Apr. 25, 2016
Tested Date : Apr. 25 ~ May 04, 2016

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Approved & Reviewed by:



Gary Chang / Manager



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Release Record

Report No.	Version	Description	Issued Date
FA642501	Rev. 01	Initial issue	May 24, 2016
FA642501	Rev. 02	Modified HW version / SW version description (page 4.)	May 26, 2016
FA642501	Rev. 03	Revised Modulation type 2GFSK (Page 4)	Jun. 07, 2016

1 General Description

1.1 Information

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information				
Frequency Range (MHz)	Modulation Mode	Ch. Frequency (MHz)	Channel Number	Data Rate
2400-2483.5	FHSS	2404-2476	0-35 [36]	2 Mbps

Note 1: FHSS uses a 2GFSK.
Note 2: HW version: B3 / SW version: 0.9.3

RF General Information				
Frequency Range (MHz)	Bluetooth Mode	Ch. Freq. (MHz)	Channel Number	Data Rate
2400-2483.5	V4.2 LE	2402-2480	0-39 [40]	1 Mbps

Note 1: Bluetooth LE (Low energy) uses GFSK modulation.
Note 2: HW version: B3 / SW version: 0.9.3

2 MPE EVALUATION OF MOBILE DEVICES

Human exposure to RF emissions from mobile devices (47 CFR §2.1091) may be evaluated based on the MPE limits adopted by the FCC for electric and magnetic field strength and/or power density, as appropriate, since exposures are assumed to occur at distances of 20 cm or more from persons.

2.1 LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE

Frequency Range (MHz)	Power Density (mW /cm ²)	Averaging Time (minutes)
300~1500	F/1500	30
1500~100000	1.0	30

2.2 MPE EVALUATION FORMULA

$$Pd = \frac{Pt}{4 * Pi * R^2}$$

Where

Pd= Power density in mW/cm²

Pt= EIRP in mW

Pi= 3.1416

R= Measurement distance

2.3 MPE EVALUATION RESULTS

Mode	Frequency Range (MHz)	Maximum Conducted Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
BT LE	2402-2480	5.41	3.2	20	0.001	1
FHSS	2404-2476	13.25	3.2	20	0.009	1

3 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp, it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan Hsiang. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

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