

RF EXPOSURE REPORT

REPORT NO.: SA140213E02A

MODEL NO.: Infobox1

FCC ID: 2ACLF-INFOBOX1

RECEIVED: June 09, 2014

TESTED: June 24, 2014

ISSUED: June 03, 2015

APPLICANT: i-Spy Digital Limited

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ISSUED BY: Bureau Veritas Consumer Products Services
(H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory

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TEST LOCATION (1): No. 81-1, Lu Liao Keng, 9th Ling, Wu Lung Tsuen,
Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan,
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RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|--------------|-------------------|---------------|
| SA140213E02A | Original release | June 03, 2015 |

1. CERTIFICATION

PRODUCT: DVB-T2 OTT STB
BRAND NAME: Infotu.be™ Messenger
MODEL NO.: Infobox1
TEST SAMPLE: MASS-PRODUCTION
APPLICANT: i-Spy Digital Limited
TESTED DATE: June 24, 2014
STANDARDS: FCC Part 2 (Section 2.1091)
KDB 447498 D03
IEEE C95.1

The above equipment (Model: Infobox1) 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 : Phoenix Huang , **Date:** June 03, 2015
(Phoenix Huang, Specialist)

Approved By : May Chen , **Date:** June 03, 2015
(May Chen, Manager)

2. RF EXPOSURE LIMIT

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 | | | | |
| 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

3. 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

4. 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**.

5. ANTENNA GAIN

The antenna provided to the EUT, please refer to the following table:

| Brand | Model | Ant. Gain (dBi) | Frequency range (GHz to GHz) | Ant. Type | Connector Type |
|----------|-------|-----------------|------------------------------|-----------|----------------|
| Unictron | AA055 | 2 | 2.4~2.5 | Chip | NA |

6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

For WLAN:

802.11b

| FREQUENCY (MHz) | CONDUCTED POWER (mW) | ANTENNA GAIN (dBi) | DISTANCE (cm) | POWER DENSITY (mW/cm ²) | LIMIT (mW/cm ²) |
|-----------------|----------------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 2412 - 2462 | 59.02 | 2 | 20 | 0.01861 | 1.00 |

802.11g

| FREQUENCY (MHz) | CONDUCTED POWER (mW) | ANTENNA GAIN (dBi) | DISTANCE (cm) | POWER DENSITY (mW/cm ²) | LIMIT (mW/cm ²) |
|-----------------|----------------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 2412 - 2462 | 182.81 | 2 | 20 | 0.05764 | 1.00 |

802.11n (HT20)

| FREQUENCY BAND (MHz) | CONDUCTED POWER (mW) | ANTENNA GAIN (dBi) | DISTANCE (cm) | POWER DENSITY (mW/cm ²) | LIMIT (mW/cm ²) |
|----------------------|----------------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 2412 - 2462 | 158.489 | 2 | 20 | 0.04997 | 1.00 |

For Bluetooth:

| FREQUENCY (MHz) | CONDUCTED POWER (mW) | ANTENNA GAIN (dBi) | DISTANCE (cm) | POWER DENSITY (mW/cm ²) | LIMIT (mW/cm ²) |
|-----------------|----------------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 2402-2480 | 8.110 | 2 | 20 | 0.00256 | 1.00 |

--- END ---