# Certification of Compliance

#### CFR 47 Part 15 Subpart B, Subpart C

| Test Report File N | 0. : | 10-IST-0524 Date of Issue : September 10, 2010 |                          |                      |  |
|--------------------|------|--|--------------------------|----------------------|--|
|                    |      |  |                          |                      |  |
| Model(s)           | :    | EB05   |                          |                      |  |
| Kind of Product    | :    | E-BOOK   |                          |                      |  |
| FCC ID             | :    | QDMEB05  |                          |                      |  |
| Applicant          | :    | IRIVER LIMITED                                 |                          |                      |  |
| Address            | :    | iriverhouse, 902-5, Bangbae-do                 | ong, Seocho-gu, Seoul, K | Korea                |  |
| Manufacturer       | :    | IRIVER LIMITED                                 |                          |                      |  |
| Address            | :    | iriverhouse, 902-5, Bangbae-do                 | ong, Seocho-gu, Seoul, k | Korea                |  |
| Factory            | :    | IRIVER CHINA                                   |                          |                      |  |
| Address            | :    | SSL. Sci&Tech. North Industry                  | Park, Dongguan, Guan     | gdong, 523-808 China |  |

**Test Result** 

Positive

Negative

Reviewed By

Approved By

-J. Po

S.J.CHO / EMC Group Manager

B.S.KIM / Chief

#### Comment(s)

- Investigations requested : Measurement to the relevant clauses of FCC rules and regulations Part 15 Subpart C.
- The test report is consists of 37 pages.
- The test result only responds to the tested sample.
- It is not allowed to copy this report even partly without the allowance of IST Co.,Ltd..
- This equipment as for has been shown to be capable of continued compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4

I assume full responsibility for accuracy and completeness of these data.

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Note:

### INFORMATIONS OF TEST LABORATORY

IST Co., Ltd. 400-19, Singal-dong, Giheung-gu, Yongin-si, Kyonggi-Do, 449-860, Korea TEL : +82 31 326 6700 FAX : +82 31 326 6797



| : | 1739   |
|---|--------|
| : | 400603 |
| : | KR0018 |
| : | 801060 |
| : | KT118  |
|   | :      |

### ENVIRONMENTAL CONDITIONS

Temperature Atmospheric pressure 22.5 ℃ Humidity 48 % 1007 mbar

### POWER SUPPLY SYSTEM USED

Power supply system

DC 3.7V (Refer to the product information)

# **PRODUCT INFORMATION**

|         | Resolution                | 600 x 800                  |
|---------|---------------------------|----------------------------|
|         |                           |                            |
|         | Color Depth               | 8 grey scale               |
| C 1     | Touch                     | Resistive(Finger & Stylus) |
| General | Capacity                  | 2 G ( + SD Card : 2 G)     |
|         | Size<br>(Product+Cover)   | 168.2 x 126.3 x 11.7 mm    |
|         | Weight<br>(Product+Cover) | 282 g                      |
|         | Temperature               | 0 ~ 40 °C                  |
|         | Storage Type              | mobi NAND                  |
|         | External Storage          | SD [SDHC/32G]              |
|         | CPU                       | S3C6431                    |
|         | SDRAM                     | 1 Gbit (mobile/DDR)        |
| H/W     | Battery                   | DC 3.7 V / 1800 mAh        |
|         | Power Charge              | USB Charging               |
|         | Connection Type           | mini USB 2.0               |
|         | Network                   | WiFi(802.11b/g)            |
|         | Speaker                   | 0.5 W x 2                  |
|         | OS                        | Linux 2.6.28               |

- Regards to the frequency band operation; the highest that was included the lowest, middle and highest frequency of channel were selected to perform the test, and then shown on this report.

- Please refer to user's manual.

## **Measurement Uncertainty Calculations**

The measurement uncertainties stated were calculated in accordance with the requirements of NIST Technical Note 1297 and NIS 81 (1994).

| TYPE  | Contribution                   | Probability<br>Distribution | Uncertainty  | Remark      |
|-------|--------------------------------|-----------------------------|--------------|-------------|
|       | AMN                            |                             |              |             |
|       | Impedance                      | Triangular                  | +2.6/-2.7 dB |             |
|       | Voltage Division Factor        | normal(k=2)                 | ±0.2         | CISPR       |
|       | Attenuation : AMN to Receiver  | normal(k=2)                 | ±0.1         |             |
|       | Receiver (ESCI (S/N:100374))   |                             |              |             |
| В     | Sine-Wave Voltage Accuracy     | normal(k=2)                 | ±1.0 dB      |             |
|       | Pulse Amplitude Response       | Rectangular                 | ±1.5 dB      | CISPR       |
|       | Pulse Repetition Rate Response | Rectangular                 | ±1.5 dB      |             |
|       | Mismatch<br>AMN to Receiver    | U-Shaped                    | +0.7/-0.8 dB | CISPR       |
|       | Reading                        | normal(k=1)                 | ±0.1         |             |
| Combi | ned Standard Uncertainty       | normal                      | ± 1.8 dB     |             |
| Expan | ded Uncertainty U              | normal(k=2)                 | ± 3.6 dB     | <b>95</b> % |

#### U = -3.70 / +3.42 (k=2, 95.45% confidence level)

| T<br>Y<br>P<br>E | Contribution  | Probability<br>Distribution | Uncertainty          | Remark |
|------------------|---|-----------------------------|----------------------|--------|
|                  | Antenna   |                             |                      |        |
|                  | AF factor   | Normal(k=2)                 | ±0.56                | CAL.   |
|                  | AF frequency interpolation                                | Rectangular                 | ±0.30 dB             | CISPR  |
|                  | AF height deviations                                      | Rectangular                 | ±0.50 dB<br>±0.30 dB | CISPR  |
|                  | directivity difference                                    | Rectangular                 | +1.0/-0.0 dB         | CISPR  |
|                  | phase center location(3 m)<br>phase center location(10 m) | Rectangular                 | ±1.0 dB<br>±0.30 dB  | CISPR  |
| в                | Receiver  |                             |                      |        |
| Ъ                | Sine Wave Voltage Accuracy                                | Normal(k=2)                 | ±0.20 dB             | CAL.   |
|                  | Pulse Amplitude Sensibility                               | Normal(k=2)                 | ±0.40 dB             | CAL.   |
|                  | Pulse Frequency Response                                  | Normal(k=2)                 | ±0.57 dB             | CAL.   |
|                  | Random Noise  | Normal(k=2)                 | ±0.35 dB             | CAL.   |
|                  | Mismatch : Antenna - receiver                             | U-Shaped                    | +0.9/-1.0 dB         | CISPR  |
|                  | Table height  | Normal(k=2)                 | ±0.01 dB             | CISPR  |
|                  | Separation distance(3 m )<br>Separation distance(10 m )   | Rectangular                 | ±0.30 dB<br>±0.10 dB | CISPR  |
| Con              | nbined standard Uncertainty                               | Normal                      | ± 1.13               |        |
| Exp              | banded Uncertainty U                                      | Normal(k=2)                 | ± 2.26 dB            | 95 %   |

 $U = \pm 2.26$  (k=2, 95% confidence level)

## Equipment Under Test

#### EUT Type :

- Table-Top. □ Floor-Standing.
- □ Table-Top and Floor-Standing(Combination).
- □ Built-in

#### **Operation – mode of the E.U.T. :**

The equipment under test was operated during the measurement under following conditions :

- □ Standby Mode
- Operational Condition : Continue Transmitting

#### SUMMARY

### WLAN Mode ( 2412 MHz ~ 2462 MHz)

| Applied St | andard : | FCC | CRF | Part | 15 | Subpart | С | : | 2008 |
|------------|----------|-----|-----|------|----|---------|---|---|------|
|------------|----------|-----|-----|------|----|---------|---|---|------|

| Standard Section | Description                 | result | remark                |
|------------------|-----------------------------|--------|-----------------------|
| 15.207           | AC Conducted Emission       | Pass   | Meet the requirements |
| 15.209           | Field Strength of Harmonics | Pass   | Meet the requirements |
| 15.247(b)        | Peak Power Output           | Pass   | Meet the requirements |
| 15.247(d)        | Band Edge                   | Pass   | Meet the requirements |
| 15.247(a)        | 6dB Bandwidth               | Pass   | Meet the requirements |
| 15.247(d)        | Power Density               | Pass   | Meet the requirements |
| 15.203           | Antenna requirement         | -      | Meet the requirements |

### Test Date

Begin of Testing : August 15, 2010 - End of Testing : August 29, 2010

Prepared By

Ci styren Ryen

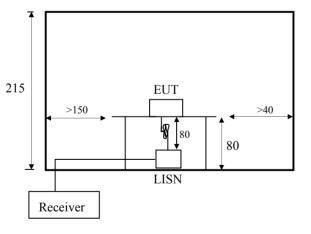
U.H. Ryu / Senior Engineer

#### Conducted Emissions:

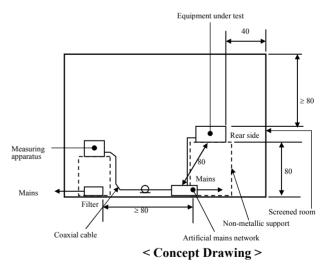
The measurement were performed over the frequency range of 0.15 MHz to 30 MHz using a 50  $\Omega/50$  uH LISN as the input transducer to a Spectrum Analyzer or a Field Intensity Meter. The measurements were made with the detector set for "Peak" amplitude within a bandwidth of 10 kHz or for "quasi-peak" & "Average" within a bandwidth of 9 KHz.

#### -Procedure of Test

The line-conducted facility is located inside a shielded room No.1. A 1 m X 1.5 m wooden table 80 cm height is placed 40 cm away from the vertical wall and 1.5 m away from the other wall of the shielded room. The R/S ESCI and Hyup-Rip KNW-407 LISN are bonded to bottom of the shielded room. The EUT is located on the wooden table with distance more than 80 cm from the LISN and powered from the EMCO LISN .The peripheral equipment is powered from the other LISN. Power to the LISNs are filtered by a noise cut power line filters. All electrical cables are shielded by braided tinned steel tubing with inner  $\phi$  1.2 cm. If the EUT is a DC-powered device, power will be derived from the source power supply it normally will be powered from and this supply lines will be connected to the EMCO LISN. All interconnecting cables more than 1m were shortened by non-inductive bundling to a 1m length. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating conditions. The RF output of the LISN was connected to the R/S receiver to determine the frequency producing the maximum emission from the EUT. The frequency producing the maximum level was reexamined using Quasi-Peak mode by manual measurement, after scanned by automatic Peak mode for frequency range from 0.15 to 30 MHz. The bandwidth of the receiver was set to 10 kHz. The EUT, peripheral equipment, and interconnecting cables were arranged and manipulated to maximize each EME emission.







### Limits

According to  $\oint 15.207(a)$  except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50  $\mu$  H/50 ohms line impedance stabilization network(LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

| Frequency Range | Limits                |              |  |  |  |
|-----------------|-----------------------|--------------|--|--|--|
| (MHz)           | Quasi-peak            | Average      |  |  |  |
| 0.15 to 0.50    | 66 to 56 <sup>*</sup> | 56 to $46^*$ |  |  |  |
| 0.50 to 5       | 56                    | 46           |  |  |  |
| 5 to 30         | 60                    | 50           |  |  |  |

\* Decreases with the logarithm of the frequency.

Test specification.

According to FCC CFR Title 47 Part 15 Subpart C Section 15.207

### Conducted Emissions

#### [Applicable]

#### ◆Test Equipment Used

| Model Name | Description   | Manufacturer    | Calibration Date | Serial No.  |
|------------|---------------|-----------------|------------------|-------------|
| ESCI       | Test Receiver | Rohde & Schwarz | Jul. 13, 2010    | 100373      |
| KNW-407    | LISN          | Hyup-Rip        | Oct. 11, 2009    | 8-833-10    |
| ESH3-Z2    | Pulse Limiter | Rohde & Schwarz | May 21, 2021     | 357.8810.52 |

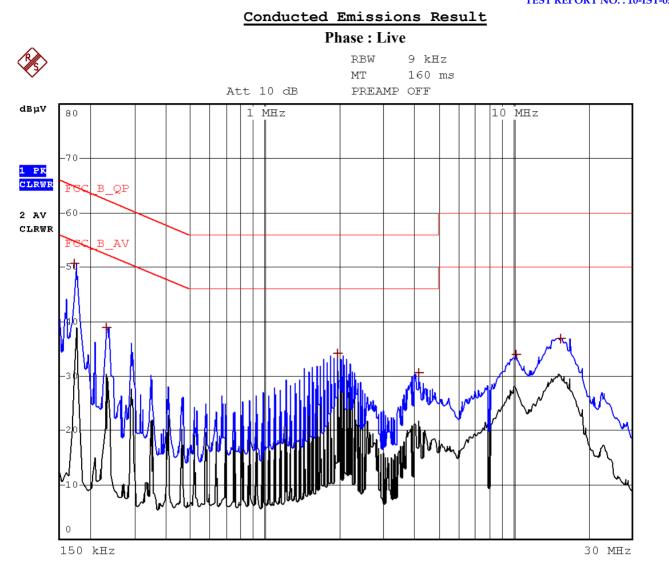
#### ♦ Test Accessories Used

4

4

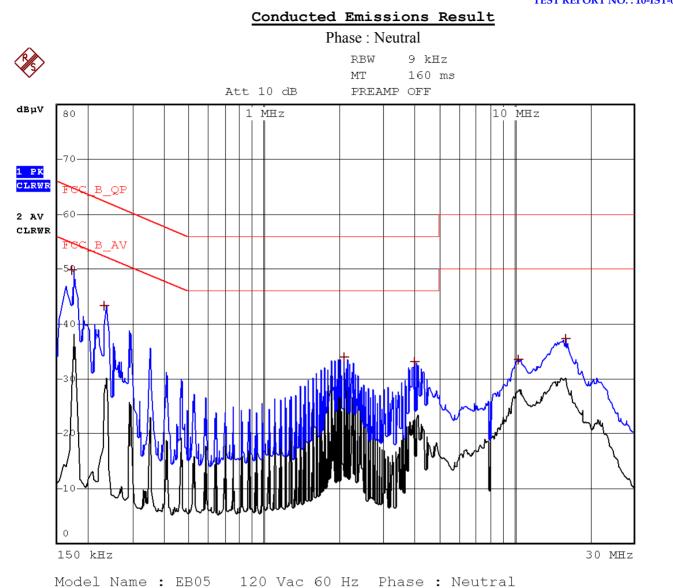
| Туре              | Manufacturer        |
|-------------------|---------------------|
| Aneroid Barometer | Sato                |
| Hygrometer        | Sato                |
|                   |                     |
| • Test Program    | USB Communication   |
|                   |                     |
| • Test Date       | August 21, 2010     |
|                   |                     |
|                   |                     |
| • Test Area       | Conducted Room No.1 |
|                   |                     |
|                   |                     |
|                   |                     |
|                   |                     |
|                   |                     |
|                   |                     |

*Note : The equipment used is calibrated in regular for every year.* 



### Model Name : EB05 120 Vac 60 Hz Phase : Live

| Freq.  | - [@B#V] |         | eq. [dB ⊮] |         |      | mit<br>µV] | Insertion<br>Loss | Cable<br>Loss | _      | sult<br>3µ∛] |  | rgin<br>18] |
|--------|----------|---------|------------|---------|------|------------|-------------------|---------------|--------|--------------|--|-------------|
| [MHz]  | Q-peak   | Average | Q-peak     | Average | [dB] | [dB #∛]    | Q-peak            | Average       | Q-peak | Average      |  |             |
| 0.174  | 47.58    | 37.12   | 64.77      | 54.77   | 0.31 | 0.44       | 48.33             | 37.87         | 16.43  | 16.89        |  |             |
| 0.234  | 36.18    | 28.51   | 62.31      | 52.31   | 0.21 | 0.50       | 36.89             | 29.22         | 25.41  | 23.08        |  |             |
| 2.022  | 31.46    | 29.82   | 56.00      | 46.00   | 0.13 | 0.60       | 32.19             | 30.55         | 23.81  | 15.45        |  |             |
| 4.158  | 27.32    | 20.54   | 56.00      | 46.00   | 0.15 | 0.60       | 28.07             | 21.29         | 27.93  | 24.71        |  |             |
| 10.270 | 30.49    | 25.86   | 60.00      | 50.00   | 0.27 | 0.53       | 31.28             | 26.65         | 28.72  | 23.35        |  |             |
| 15.490 | 33.17    | 28.16   | 60.00      | 50.00   | 0.38 | 0.60       | 34.15             | 29.14         | 25.85  | 20.86        |  |             |

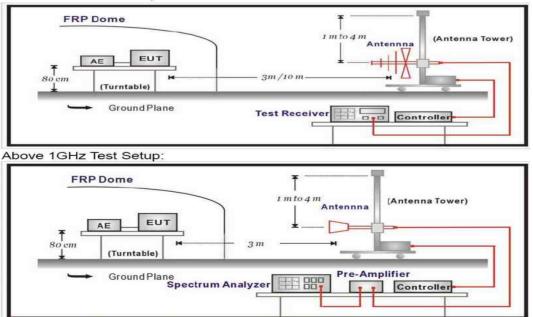


| Freq.<br>[MHz] | Measurement<br>[dB ∦] |         | Limit<br>[dB |         | Insertion<br>Loss | Cable<br>Loss |        | Result<br>[dB ⊭V] |        | rgin<br>dB] |
|----------------|-----------------------|---------|--------------|---------|-------------------|---------------|--------|-------------------|--------|-------------|
|                | Q-peak                | Average | Q-peak       | Average | [dB]              | [dB ∦]        | Q-peak | Average           | Q-peak | Average     |
| 0.174          | 47.92                 | 37.20   | 64.77        | 54.77   | 0.31              | 0.44          | 48.67  | 37.95             | 16.09  | 16.81       |
| 0.234          | 40.09                 | 29.92   | 62.31        | 52.31   | 0.22              | 0.50          | 40.81  | 30.64             | 21.50  | 21.67       |
| 2.084          | 33.16                 | 31.64   | 56.00        | 46.00   | 0.19              | 0.60          | 33.95  | 32.43             | 22.05  | 13.57       |
| 3.994          | 30.63                 | 23.48   | 56.00        | 46.00   | 0.33              | 0.60          | 31.56  | 24.41             | 24.44  | 21.59       |
| 10.410         | 30.92                 | 26.36   | 60.00        | 50.00   | 0.64              | 0.54          | 32.11  | 27.55             | 27.90  | 22.46       |
| 15.780         | 34.04                 | 25.72   | 60.00        | 50.00   | 0.81              | 0.60          | 35.45  | 27.13             | 24.55  | 22.87       |

#### Radiated Emissions:

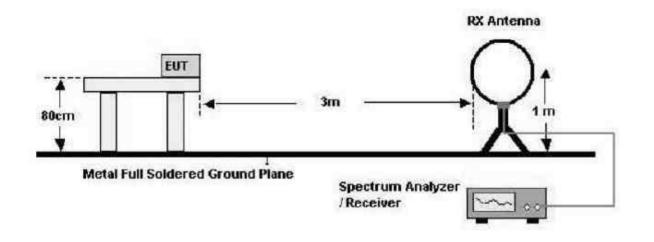
The measurement was performed over the frequency range of 30MHz to 1GHz using antenna as the input transducer to a Spectrum analyzer or a Field Intensity Meter. The measurement was made with the detector set for "quasi-peak" within a bandwidth of 120kHz. Procedure of Test

Preliminary measurements were made at 3 meter using bi-log antennas, and spectrum analyzer to determine the frequency producing the max. emission in anechoic chamber. Appropriate precaution was taken to ensure that all emission from the EUT were maximized and investigated. The system configuration, mode of operation, turn-table azimuth and height with respect to the antenna were noted for each frequency found. The spectrum was scanned from 30MHz to 1000MHz using bi-log antenna. Above 1GHz, linearly polarized double ridge horn antennas were used. Final measurements were made at open site with 3meters test distance using bi-log antenna or horn antenna. The OATS have been verified in regular for its normalized site attenuation. The test equipment was placed on a wooden table. Sufficient time for the EUT, peripheral equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. Each frequency found during pre-scan measurements was re-examined by manual. The detector function was set to CISPR quasi-peak mode and the bandwidth of the receiver was set to 120kHz or 1MHz depending on the frequency of type of signal. The EUT, peripheral equipment and interconnecting cables were re-configured to the set-up producing the max. emission for the frequency and were placed on top of a 0.8-meter high nonmetallic 1 x 1.5 meter table. The EUT, peripheral equipment, and interconnecting cables were re-arranged and manipulated to maximize each emission. The turntable containing the system was rotated; the antenna height was varied 1 to 4 meters and stopped at the azimuth or height producing the maximum emission. Each emission was maximized by: varying the mode of operation to the EUT and/or peripheral equipment and changing the polarity of the antenna, whichever determined the worst-case emission. (The bandwidth below 1GHz setting on the field strength meter is 120KHz and above 1GHz is 1MHz.)



Under 1GHz Test Setup:

#### Below 30 MHz



### Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, Shall be attenuated by at least 20dB below the level of the fundamental or to the General radiated emission limits in paragraph 15.209, whichever is the lesser attenuation:

| FCC Part 15 Subp   | art C Section 15.209 Limits |                       |
|--------------------|-----------------------------|-----------------------|
| Frequency<br>(MHz) | μV/meter                    | dBµV/meter(3 m)       |
| 0.009-0.490        | 2400/F(KHz) at 300 m        | 20log 2400/F(KHz)+80  |
| 0.490-1.705        | 24000/F(KHz)at 30m          | 20log 24000/F(KHz)+40 |
| 1.705-30           | 30 at 30 m                  | 49.5                  |
| 30-88              | 100 at 3 m                  | 40                    |
| 88-216             | 150 at 3 m                  | 43.5                  |
| 216-960            | 200 at 3 m                  | 46                    |
| Above 960          | 500 at 3 m                  | 54                    |

Remarks :

- 1. RF Voltage(dBuv)=20log RF Voltage(uV)
- 2. dBuV/m = ERP(dBm)+106.92 dB + 20log(10m/3m) + 2.15dB(conversion Factor for E.I.R.P)
- 3. In the Above Table, the tighter limit applies at the band edges.
- 4. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Test specification.

According to FCC CFR Title 47 Part 15 Subpart C Section 15.209

#### Radiated Spurious Emission

#### [Applicable]

Test Equipment Used

| Name                 | Туре          | Manufacturer    | Calibration. Date | Serial Number |
|----------------------|---------------|-----------------|-------------------|---------------|
| ESCS30               | EMI Receiver  | Rohde & Schwarz | Sep. 17, 2009     | 100171        |
| SPECTRUM<br>ANALYZER | R3273         | ADVANTEST       | May 21, 2010      | 110600587     |
| Loop Antenna         | HFH2-Z2       | Rohde & Schwarz | Oct. 23, 2008     | 8620771017    |
| Log-bicon<br>Antenna | VULB9161SE    | Schwarz beck    | Jul. 21, 2009     | 4089          |
| HORN-Antenna         | 3115          | EMCO            | Dec. 22, 2009     | 9012-3602     |
| HORN-Antenna         | SAS-571       | A.H. SYSTEMS    | Dec. 22, 2009     | 500           |
| PRE AMPLIFIER        | 8449B OPT H02 | Rohde & Schwarz | Oct. 11, 2009     | 3008A0530     |

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to RRL, KRISS, KTL and HCT.

2. The calibration interval of horn ant. and loop ant. is 24 months

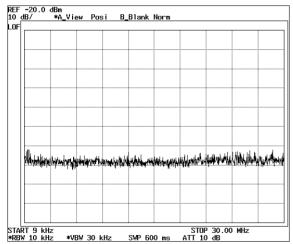
#### **Field Strength Calculation**

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. For the limit is employed average value, therefore the peak value can be transferred to average value by subtracting the duty factor. The basic equation with a sample calculation is as follows:

#### **Peak = Reading + Corrected Factor**

Where, Corr. Factor = Antenna Factor + Cable Factor - Amplifier Gain (if any)

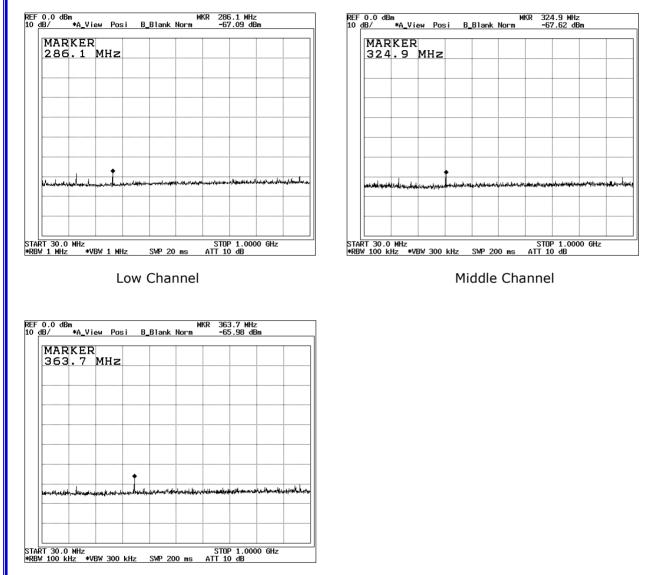
#### Test Plot : 9 KHz to 30 MHz



Note : The reading of emissions are attenuated more than 20 dB below the permissible limits and the field strength is too small to be measured.

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### Test Plot : 30 MHz to 1 GHz



High Channel

whu.

the works

# REF 10.0 dBm 10 dB/ \*A\_View Posi B\_Blank Norm REF 10.0 dBm 10 <u>dB/ \*A\_View Posi B\_Blank Norm</u> (مر)<sup>معر</sup>ون عاصو الجريلية W. ...... START 1000 MHz SWP 380 ms ATT 20 dB START 1000 MHz SWP 380 ms ATT 20 dB Low Channel Middle Channel REF 10.0 dBm 10 dB/ \*A\_View Posi B\_Blank Norm wh START 1000 MHz STOP 26.00 GHz \*RBW 1 MHz \*VBW 1 MHz SWP 380 ms ATT 20 dB High Channel

Test Plot: 1 GHz to 26 GHz

### Radiated Emission Result

[Applicable]

| EUT   | EB05     | PROBE | Below 1 GHz |
|-------|----------|-------|-------------|
| POWER | 3.7 V DC | NOTE  | Ch 11       |

| Frequency | Reading | Р      | Ant. Factor | Cable Loss | AMP GAIN | Limit  | Total  | Margin |
|-----------|---------|--------|-------------|------------|----------|--------|--------|--------|
| MHz       | dBuV/m  | (H, V) | dB          | dB         | dB       | dBuV/m | dBuV/m | dB     |
| 36.760    | 8.30    | V      | 12.17       | 1.43       | 0.0      | 40.00  | 21.90  | 18.10  |
| 46.490    | 7.20    | V      | 12.41       | 1.60       | 0.0      | 40.00  | 21.21  | 18.79  |
| 120.210   | 10.40   | V      | 11.32       | 2.30       | 0.0      | 43.50  | 24.02  | 19.48  |
| 133.790   | 9.10    | V      | 12.03       | 2.43       | 0.0      | 43.50  | 23.56  | 19.94  |
| 250.190   | 11.50   | Н      | 11.13       | 3.10       | 0.0      | 46.00  | 25.73  | 20.27  |
| 266.960   | 9.80    | Н      | 11.68       | 3.23       | 0.0      | 46.00  | 24.71  | 21.29  |
| *373.850  | 14.70   | Н      | 14.38       | 3.44       | 0.0      | 46.00  | 32.52  | 13.48  |
| 399.980   | 11.60   | Н      | 14.99       | 3.59       | 0.0      | 46.00  | 30.18  | 15.82  |
| 475.950   | 5.80    | V      | 17.03       | 3.95       | 0.0      | 46.00  | 26.78  | 19.22  |
| 525.450   | 6.70    | V      | 18.02       | 4.25       | 0.0      | 46.00  | 28.97  | 17.03  |

Note :

1. Remark "\*" means that the data is the worst emission level.

2. All reading levels are Quasi-peak value.

3. Measurement level = reading level + correct factor

| EUT   | EB05     | PROBE | Above 1 GHz |
|-------|----------|-------|-------------|
| POWER | 3.7 V DC | NOTE  | Low Ch      |

### Test Data\_802.11b

| Frequency | Read<br>dBu |           | Р | Ant.<br>Factor | Cable<br>Loss |      |      | Limit |        | tal  | Margin |      |
|-----------|-------------|-----------|---|----------------|---------------|------|------|-------|--------|------|--------|------|
| MHz       | uDu         | uDu v/III |   |                |               | dB   | dBu  | V/m   | dBuV/m |      | dB     |      |
|           | Peak        | AV        |   | dB             | dB            | uБ   | Peak | AV    | Peak   | AV   | Peak   | AV   |
| 4824.10   | 54.4        | 40.5      | V | 10.8           | 11.1          | 36.2 | 74.0 | 54.0  | 40.1   | 26.2 | 33.9   | 27.8 |
| 7232.56   | 42.6        | 30.7      | V | 11.9           | 14.7          | 35.8 | 74.0 | 54.0  | 33.5   | 21.6 | 40.5   | 32.4 |
| 4824.10   | 53.4        | 39.5      | Н | 10.8           | 11.1          | 36.2 | 74.0 | 54.0  | 39.1   | 25.2 | 34.9   | 28.8 |
| 7232.56   | 42.1        | 33.6      | Н | 11.9           | 14.7          | 35.8 | 74.0 | 54.0  | 33.0   | 24.5 | 41.0   | 29.5 |

### Test Data\_802.11g

| Frequency<br>MHz | Read<br>dBu |      | Р | Ant.<br>Factor | Factor Loss |      | Liı<br>dBu | mit<br>V/m | To<br>dBu | otal<br>V/m | Margin<br>dB |      |
|------------------|-------------|------|---|----------------|-------------|------|------------|------------|-----------|-------------|--------------|------|
|                  | Peak        | AV   |   | dB             | dB          | dB   | Peak       | AV         | Peak      | AV          | Peak         | AV   |
| 4824.10          | 49.8        | 38.2 | V | 10.8           | 11.1        | 36.2 | 74.0       | 54.0       | 35.5      | 23.9        | 38.5         | 30.1 |
| 7232.56          | 39.7        | 29.6 | V | 11.9           | 14.7        | 35.8 | 74.0       | 54.0       | 30.6      | 20.5        | 43.4         | 33.5 |
| 4824.10          | 50.4        | 41.2 | Н | 10.8           | 11.1        | 36.2 | 74.0       | 54.0       | 36.1      | 26.9        | 37.9         | 27.1 |
| 7232.56          | 40.7        | 29.9 | Н | 11.9           | 14.7        | 35.8 | 74.0       | 54.0       | 31.6      | 20.8        | 42.4         | 33.2 |

### Restricted Band Edge Test Data

802.11b

| Frequency | Reading<br>dBuV/m |      | - |      | Р   | Ant.<br>Factor | Cable<br>Loss | AMP<br>GAIN |      | nit  | То   |      | Ma | 0 |
|-----------|-------------------|------|---|------|-----|----------------|---------------|-------------|------|------|------|------|----|---|
| MHz       |                   |      | r |      | dB  | dB             | dBuV/m        |             | dBu  | V/m  | d    | B    |    |   |
|           | Peak              | AV   |   | dB   | uВ  | uБ             | Peak          | AV          | Peak | AV   | Peak | AV   |    |   |
| 2396.52   | 46.9              | 37.1 | V | 9.25 | 7.8 | 36.18          | 74.0          | 54.0        | 27.8 | 18.0 | 46.2 | 36.0 |    |   |
| 2364.18   | 42.2              | 33.5 | V | 9.25 | 7.8 | 36.18          | 74.0          | 54.0        | 23.1 | 14.4 | 50.9 | 39.6 |    |   |
| 2396.52   | 42.7              | 35.3 | Н | 9.25 | 7.8 | 36.18          | 74.0          | 54.0        | 23.6 | 16.2 | 50.4 | 37.8 |    |   |
| 2364.18   | 41.8              | 32.1 | Н | 9.25 | 7.8 | 36.18          | 74.0          | 54.0        | 22.7 | 13.0 | 51.3 | 41.0 |    |   |

### 802.11g

| Frequency<br>MHz | Reading<br>dBuV/m |      | dBuV/m |      | Р   | Ant.<br>Factor | Cable<br>Loss | AMP<br>GAIN | Lir<br>dBu | nit<br>V/m |      | otal<br>V/m | Mar<br>dl | - |
|------------------|-------------------|------|--------|------|-----|----------------|---------------|-------------|------------|------------|------|-------------|-----------|---|
|                  | Peak              | AV   |        | dB   | dB  | dB             | Peak          | AV          | Peak       | AV         | Peak | AV          |           |   |
| 2383.45          | 50.4              | 42.4 | V      | 9.25 | 7.8 | 36.18          | 74.0          | 54.0        | 31.3       | 23.3       | 42.7 | 30.7        |           |   |
| 2364.18          | 43.8              | 33.6 | V      | 9.25 | 7.8 | 36.18          | 74.0          | 54.0        | 24.7       | 14.5       | 49.3 | 39.5        |           |   |
| 2383.45          | 51.6              | 44.5 | Н      | 9.25 | 7.8 | 36.18          | 74.0          | 54.0        | 32.5       | 25.4       | 41.5 | 28.6        |           |   |
| 2364.18          | 44.8              | 36.7 | Н      | 9.25 | 7.8 | 36.18          | 74.0          | 54.0        | 25.7       | 17.6       | 48.3 | 36.4        |           |   |
| 19 of 37         |                   |      |        |      |     |                |               |             |            |            |      |             |           |   |

| EUT   | EB05     | PROBE | Above 1 GHz |
|-------|----------|-------|-------------|
| POWER | 3.7 V DC | NOTE  | Middle Ch   |

#### Test Data\_802.11b

| Frequency<br>MHz | Rea<br>dBu | ding<br>V/m | Р | Ant.<br>Factor | Cable<br>Loss | AMP<br>GAIN | Limit<br>dBuV/m |      | To<br>dBu |      | Margin<br>dB |      |
|------------------|------------|-------------|---|----------------|---------------|-------------|-----------------|------|-----------|------|--------------|------|
|                  | Peak       | AV          |   | dB             | dB            | dB          | Peak            | AV   | Peak      | AV   | Peak         | AV   |
| 4870.26          | 52.7       | 41.5        | V | 10.8           | 11.2          | 36.17       | 74.0            | 54.0 | 38.5      | 27.3 | 35.5         | 26.7 |
| 7318.52          | 43.6       | 32.4        | V | 11.94          | 14.9          | 35.78       | 74.0            | 54.0 | 34.7      | 23.5 | 39.3         | 30.5 |
| 4870.26          | 51.2       | 40.2        | Н | 10.8           | 11.2          | 36.17       | 74.0            | 54.0 | 37.0      | 26.0 | 37.0         | 28.0 |
| 7318.52          | 43.9       | 31.8        | Н | 11.94          | 14.9          | 35.78       | 74.0            | 54.0 | 35.0      | 22.9 | 39.0         | 31.1 |

### Test Data\_802.11g

| Frequency | Read |      |   | Ant.         | Cable      | AMP        | Liı  | nit  | То   | tal  | Ma   | rgin |
|-----------|------|------|---|--------------|------------|------------|------|------|------|------|------|------|
| MHz       | dBu  | v/m  | Р | Factor<br>dB | Loss<br>dB | GAIN<br>dB | dBu  | V/m  | dBu  | V/m  | d    | В    |
|           | Peak | AV   |   | uБ           | uБ         | uБ         | Peak | AV   | Peak | AV   | Peak | AV   |
| 4870.26   | 48.2 | 39.4 | V | 10.8         | 11.2       | 36.17      | 74.0 | 54.0 | 34.0 | 25.2 | 40.0 | 28.8 |
| 7318.52   | 40.9 | 29.7 | V | 11.94        | 14.9       | 35.78      | 74.0 | 54.0 | 32.0 | 20.8 | 42.0 | 33.2 |
| 4870.26   | 47.6 | 39.5 | Н | 10.8         | 11.2       | 36.17      | 74.0 | 54.0 | 33.4 | 25.3 | 40.6 | 28.7 |
| 7318.52   | 40.1 | 28.1 | Н | 11.94        | 14.9       | 35.78      | 74.0 | 54.0 | 31.2 | 19.2 | 42.8 | 34.8 |

|       |          |       | 1E51 KEI OKI NO 10-151-05 |
|-------|----------|-------|---------------------------|
| EUT   | EB05     | PROBE | Above 1 GHz               |
| POWER | 3.7 V DC | NOTE  | High Ch                   |

#### Test Data\_802.11b

| Frequency | Read<br>dBu | •       | р | Ant.<br>Factor | Cable<br>Loss | AMP<br>GAIN |      | nit  | То   |      | Ma   | rgin |
|-----------|-------------|---------|---|----------------|---------------|-------------|------|------|------|------|------|------|
| MHz       | uDu         | v / 111 | P | dB             | dB            | dB          | dBu  | V/m  | dBu  | V/m  | d    | B    |
|           | Peak        | AV      |   | uБ             | uБ            | uБ          | Peak | AV   | Peak | AV   | Peak | AV   |
| 4911.67   | 53.7        | 43.5    | V | 10.8           | 11.2          | 36.17       | 74.0 | 54.0 | 39.5 | 29.3 | 34.5 | 24.7 |
| 7375.69   | 44.8        | 33.6    | V | 11.94          | 14.9          | 35.78       | 74.0 | 54.0 | 35.9 | 24.7 | 38.1 | 29.3 |
| 4911.67   | 50.9        | 41.4    | Н | 10.8           | 11.2          | 36.17       | 74.0 | 54.0 | 36.7 | 27.2 | 37.3 | 26.8 |
| 7375.69   | 43.7        | 32.6    | Н | 11.94          | 14.9          | 35.78       | 74.0 | 54.0 | 34.8 | 23.7 | 39.2 | 30.3 |

### Test Data\_802.11g

| Frequency | Read<br>dBu | •     | Р | Ant.<br>Factor | Cable<br>Loss | AMP<br>GAIN | Liı<br>dBu |      | To<br>dBu |      | Ma   | rgin<br>D |
|-----------|-------------|-------|---|----------------|---------------|-------------|------------|------|-----------|------|------|-----------|
| MHz       | D 1         | 4 7 7 |   | dB             | dB            | dB          |            |      |           |      |      |           |
|           | Peak        | AV    |   |                |               |             | Peak       | AV   | Peak      | AV   | Peak | AV        |
| 4911.67   | 52.9        | 40.6  | V | 10.8           | 11.2          | 36.17       | 74.0       | 54.0 | 38.7      | 26.4 | 35.3 | 27.6      |
| 7375.69   | 40.2        | 31.4  | V | 11.94          | 14.9          | 35.78       | 74.0       | 54.0 | 31.3      | 22.5 | 42.7 | 31.5      |
| 4911.67   | 47.8        | 36.7  | Н | 10.8           | 11.2          | 36.17       | 74.0       | 54.0 | 33.6      | 22.5 | 40.4 | 31.5      |
| 7375.69   | 39.4        | 30.5  | Н | 11.94          | 14.9          | 35.78       | 74.0       | 54.0 | 30.5      | 21.6 | 43.5 | 32.4      |

### Restricted Band Edge Test Data

802.11b

| Frequency<br>MHz | Read<br>dBu | •    | Р | Ant.<br>Factor | Cable<br>Loss | AMP<br>GAIN |      | nit<br>V/m | To<br>dBu |      | Maı<br>d | C    |
|------------------|-------------|------|---|----------------|---------------|-------------|------|------------|-----------|------|----------|------|
|                  | Peak        | AV   |   | dB             | dB            | dB          | Peak | AV         | Peak      | AV   | Peak     | AV   |
| 2484.25          | 47.5        | 37.2 | V | 9.25           | 7.8           | 36.18       | 74.0 | 54.0       | 28.4      | 18.1 | 45.6     | 35.9 |
| 2489.87          | 53.7        | 43.2 | V | 9.25           | 7.8           | 36.18       | 74.0 | 54.0       | 34.6      | 24.1 | 39.4     | 29.9 |
| 2484.25          | 45.6        | 36.4 | Н | 9.25           | 7.8           | 36.18       | 74.0 | 54.0       | 26.5      | 17.3 | 47.5     | 36.7 |
| 2489.87          | 51.7        | 42.5 | Н | 9.25           | 7.8           | 36.18       | 74.0 | 54.0       | 32.6      | 23.4 | 41.4     | 30.6 |

### 802.11g

| Frequency<br>MHz | Read<br>dBu | •    | Р | Ant.<br>Factor | Cable<br>Loss | AMP<br>GAIN | Lir<br>dBu | nit<br>V/m |      | otal<br>V/m | Mar<br>dl | 0    |
|------------------|-------------|------|---|----------------|---------------|-------------|------------|------------|------|-------------|-----------|------|
|                  | Peak        | AV   |   | dB             | dB            | dB          | Peak       | AV         | Peak | AV          | Peak      | AV   |
| 2484.25          | 43.8        | 31.6 | V | 9.25           | 7.8           | 36.18       | 74.0       | 54.0       | 24.7 | 12.5        | 49.3      | 41.5 |
| 2489.87          | 51.6        | 40.5 | V | 9.25           | 7.8           | 36.18       | 74.0       | 54.0       | 32.5 | 21.4        | 41.5      | 32.6 |
| 2484.25          | 41.7        | 40.8 | Н | 9.25           | 7.8           | 36.18       | 74.0       | 54.0       | 22.6 | 21.7        | 51.4      | 32.3 |
| 2489.87          | 59.2        | 37.4 | Н | 9.25           | 7.8           | 36.18       | 74.0       | 54.0       | 40.1 | 18.3        | 33.9      | 35.7 |
|                  |             |      |   |                |               | 21 of 37    |            |            |      |             |           |      |

### Peak Power Output

### ◆ Test Equipment

The following test equipment are used during the test:

| Item | Equipment         | Manufacturer | Model no/Serial No. | Last Cal.     |
|------|-------------------|--------------|---------------------|---------------|
| 1    | Spectrum Analyzer | ADVANTEST    | R3273 / 95090431    | Oct. 11, 2009 |
| 2    | RF ROOM           |              |                     |               |

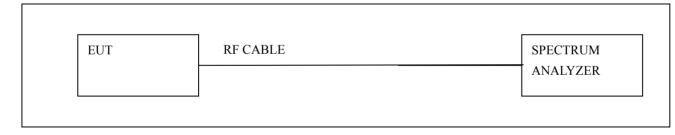
*Note* : All equipment upon which need to calibrated are with calibration period of 1 year.

### ♦ Limits

The maximum peak output power of the intentional radiator shall not exceed the following :

- According to ∮ 15.247(b)(3), for systems using digital modulation in the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz : 1Watt.
- 2. According to ∮ 15.247(b)(4), the conducted output power limit specified in paragraph(b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph(c) of this section, is transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs(b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi

#### ◆ Test Setup



### ◆ Test Procedure

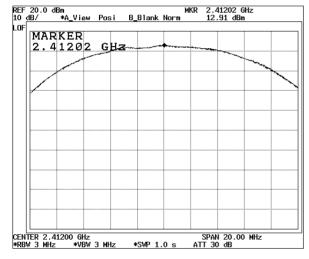
The transmitter output is connected to the Spectrum analyzer. The Spectrum analyzer is set to the peak power detection.

#### Peak Power Test result

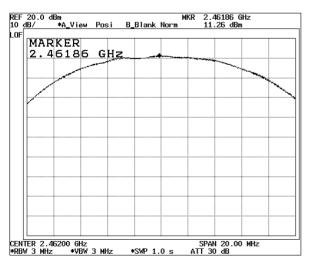
| Product            | EB05                               |
|--------------------|------------------------------------|
| Test Item          | Peak Power Output                  |
| Test Mode          | 802.11b Mode / Tx Channel 1, 6, 11 |
| Test Site          | RF Room                            |
| Measurement Method | Conducted                          |

| Channel No. | Frequency | Measure Level | Limit       | Result |
|-------------|-----------|---------------|-------------|--------|
| chumer r.o. | (MHz)     | (dBm)         | (dBm)       | resur  |
| 1           | 2412      | 12.91         | 1Watt=30dBm | Pass   |
| 6           | 2437      | 11.74         | 1Watt=30dBm | Pass   |
| 11          | 2462      | 11.26         | 1Watt=30dBm | Pass   |



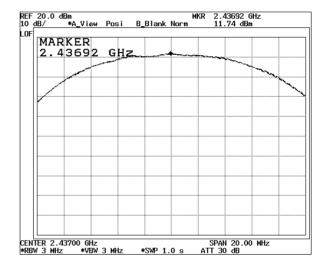






*Note* : *Measurement level* = *reading level* + *correct factor* 

Channel 6

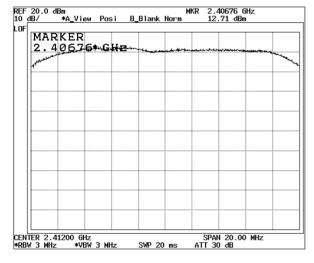


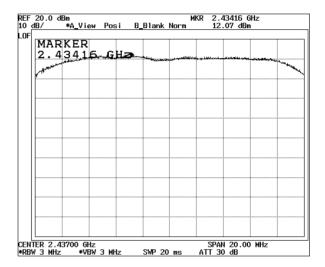
#### Peak Power Test result

| Product            | EB05                               |
|--------------------|------------------------------------|
| Test Item          | Peak Power Output                  |
| Test Mode          | 802.11g Mode / Tx Channel 1, 6, 11 |
| Test Site          | RF Room                            |
| Measurement Method | Conducted                          |

| Channel Ma  | Frequency | Measure Level | Limit       | Dogult |
|-------------|-----------|---------------|-------------|--------|
| Channel No. | (MHz)     | (dBm)         | (dBm)       | Result |
| 1           | 2412      | 11.28         | 1Watt=30dBm | Pass   |
| 6           | 2437      | 11.54         | 1Watt=30dBm | Pass   |
| 11          | 2462      | 11.56         | 1Watt=30dBm | Pass   |

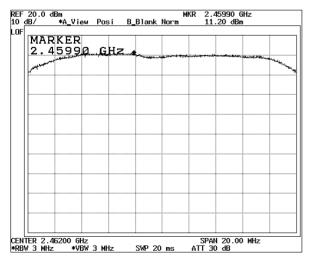
Channel 1





Channel 6

Channel 11



*Note* : *Measurement level* = *reading level* + *correct factor* 

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### Band Edge

#### TEST Equipment

The following test equipment are used during the test:

| Name                 | Туре          | Manufacturer    | Calibration. Date | Serial Number |
|----------------------|---------------|-----------------|-------------------|---------------|
| ESCS30               | EMI Receiver  | Rohde & Schwarz | Sep. 17, 2009     | 100171        |
| SPECTRUM<br>ANALYZER | R3273         | ADVANTEST       | Oct. 11, 2009     | 95095431      |
| HORN-Antenna         | 3115          | EMCO            | Dec. 12, 2009     | 9012-3602     |
| HORN-Antenna         | HF906         | Rohde & Schwarz | Dec. 12, 2009     | 100530        |
| PRE AMPLIFIER        | 8449B OPT H02 | Rohde & Schwarz | Oct. 11, 2009     | 3008A0530     |

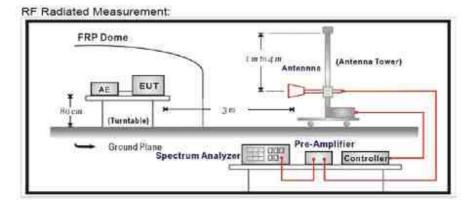
Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to RRL, KRISS, KTL and HCT.

2. The calibration interval of horn ant. and loop ant. is 24 months

#### ♦ Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio Frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within The band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in section 15.209(a) is not required. In addition, radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also comply with the radiated emission limits specified in section 15.209(a)(see Section 15.205(c)).

#### Test setup



### ♦ Test procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters. The antenna can move up and down between 1 meter and 4 meters to fine out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.4:2003 on radiated measurement.

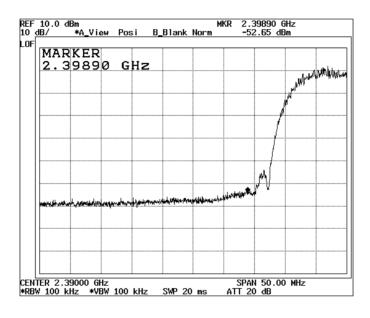
The bandwidth below 1 GHz setting on the field strength meter is 120 kHz, above 1GHz are 1MHz.

Test specification

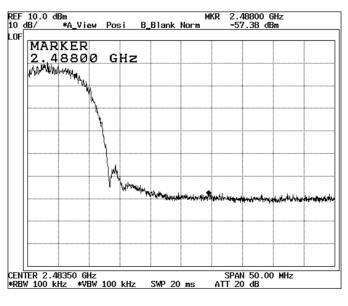
According to FCC Part 15 Subpart C paragraph 15.247

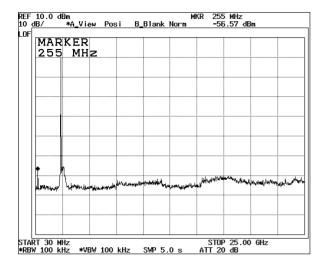
| Band Edge Test result |                                 |  |
|-----------------------|---------------------------------|--|
| Product               | EB05                            |  |
| Test Item             | Band Edge                       |  |
| Test Mode             | 802.11b Mode / Tx Channel 1, 11 |  |
| Test Site             | Test chamber                    |  |
| Measurement Method    | Radiated                        |  |

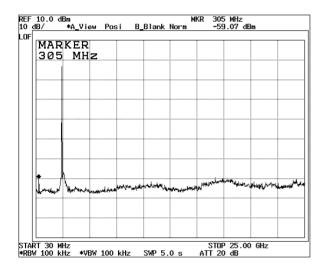
Channel : 1 CH(2412 MHz)

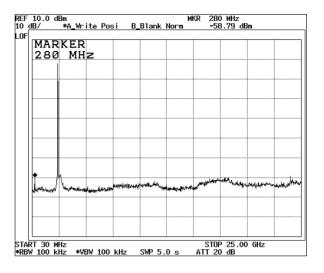


Channel : 11 CH(2462 MHz)



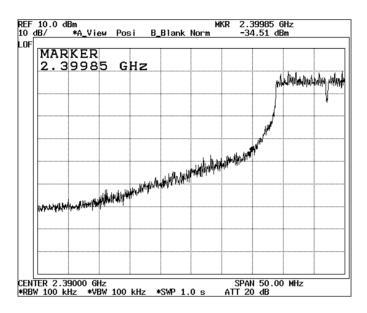




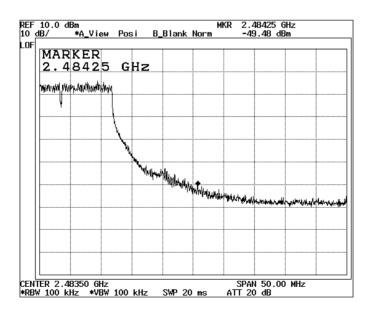


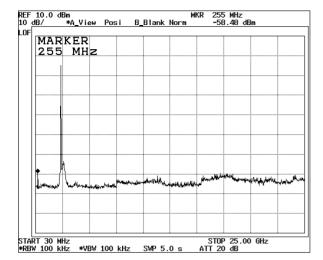
| Product            | EB05                            |
|--------------------|---------------------------------|
| Test Item          | Band Edge                       |
| Test Mode          | 802.11g Mode / Tx Channel 1, 11 |
| Test Site          | Test chamber                    |
| Measurement Method | Radiated                        |

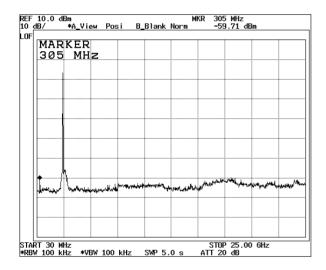
### Channel : 1 CH(2412 MHz)



### Channel: 11 CH(2462 MHz)









### 6dB Band

### ◆ Test Equipment

The following test equipment are used during the test:

| Item | Equipment         | Manufacturer | Model no/Serial No. | Last Cal.    |
|------|-------------------|--------------|---------------------|--------------|
| 1    | Spectrum Analyzer | ADVANTEST    | R3273 / 95090431    | Oct.11, 2009 |
| 2    | RF ROOM           |              |                     |              |

*Note* : All equipment upon which need to calibrated are with calibration period of 1 year.

### ♦ Test Setup



### ♦ Limits

(a) Operation under the provisions of this Section is limited to frequency hopping and digitally modulated intentional radiators that comply with the following provisions :

(2) systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

### ◆ Test Procedure

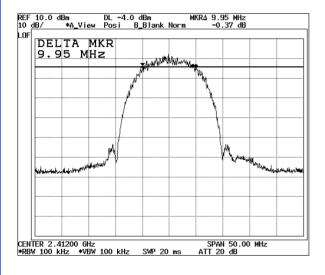
The transmitter output is connected to the Spectrum analyzer. The Spectrum analyzer is set to the 6dB Band(Occupied Bandwidth). According to FCC CFR Title 47 Part 15 Subpart C Section 15.247

| Т   | 'est | res | ult |
|-----|------|-----|-----|
| - 1 | υsι  | 100 | un  |

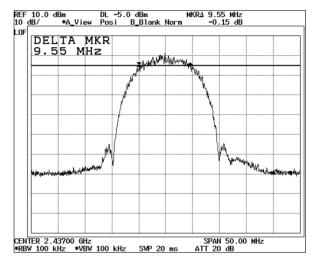
| Product            | EB05                    |
|--------------------|-------------------------|
| Test Item          | 6dB Band                |
| Test Mode          | 802.11b Mode / Transmit |
| Test Site          | RF Room                 |
| Measurement Method | Conducted               |

| Channal Ma  | Frequency | Measure Level | Limit | Degult |
|-------------|-----------|---------------|-------|--------|
| Channel No. | (MHz)     | (MHz)         | (KHz) | Result |
| 1           | 2412      | 9.95          | >500  | Pass   |
| 6           | 2437      | 9.55          | >500  | Pass   |
| 11          | 2462      | 9.95          | >500  | Pass   |

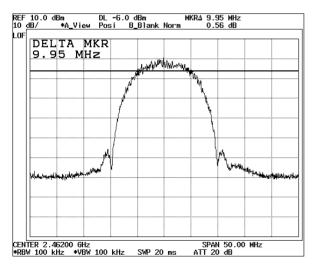
Channel 1











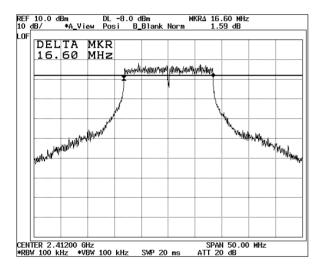
32 of 37

| Test | result |
|------|--------|
| 1000 | rebare |

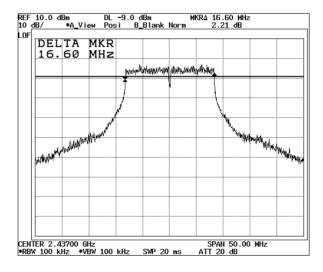
| Product            | EB05                    |
|--------------------|-------------------------|
| Test Item          | 6dB Band                |
| Test Mode          | 802.11g Mode / Transmit |
| Test Site          | RF Room                 |
| Measurement Method | Conducted               |

| Channel Ma  | Frequency | Measure Level | Limit | Degult |
|-------------|-----------|---------------|-------|--------|
| Channel No. | (MHz)     | (MHz)         | (KHz) | Result |
| 1           | 2412      | 16.60         | >500  | Pass   |
| 6           | 2437      | 16.60         | >500  | Pass   |
| 11          | 2462      | 16.60         | >500  | Pass   |

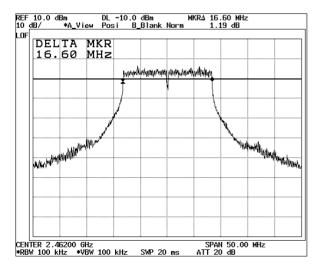
Channel 1



Channel 6







### Power Density

### ◆ Test Equipment

The following test equipment are used during the test:

| Item | Equipment         | Manufacturer | Model no/Serial No. | Last Cal.     |
|------|-------------------|--------------|---------------------|---------------|
| 1    | Spectrum Analyzer | ADVANTEST    | R3273 / 95090431    | Oct. 11, 2009 |
| 2    | RF ROOM           |              |                     |               |

*Note* : All equipment upon which need to calibrated are with calibration period of 1 year.

### ♦ Test Setup



### ♦ Limits

Section 15.247 (e) For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (v) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

### ♦ Test Procedure

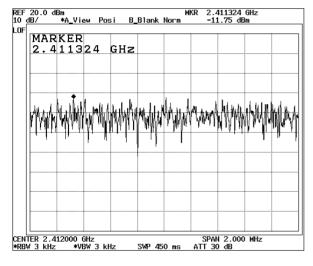
The transmitter output is connected to the Spectrum analyzer. The Spectrum analyzer is set to the 6dB Band(Occupied Bandwidth). According to FCC CFR Title 47 Part 15 Subpart C Section 15.247

| Test | result |
|------|--------|
|      |        |

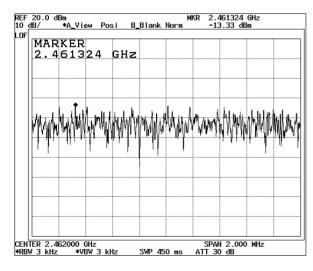
| Product            | EB05                    |  |  |
|--------------------|-------------------------|--|--|
| Test Item          | Power Density           |  |  |
| Test Mode          | 802.11b Mode / Transmit |  |  |
| Test Site          | RF Room                 |  |  |
| Measurement Method | Conducted               |  |  |

| Channel No. | Frequency | Measure Level | Limit | Result |
|-------------|-----------|---------------|-------|--------|
|             | (MHz)     | (dBm)         | (dBm) |        |
| 1           | 2412      | -11.75        | < 8   | Pass   |
| 6           | 2437      | -12.87        | < 8   | Pass   |
| 11          | 2462      | -13.33        | < 8   | Pass   |

Channel 1

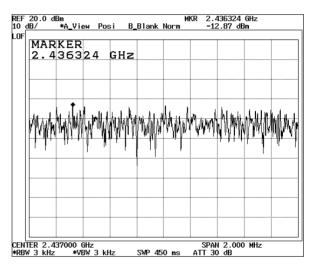






*Note : Measurement level = reading level + correct factor* 

Channel 6

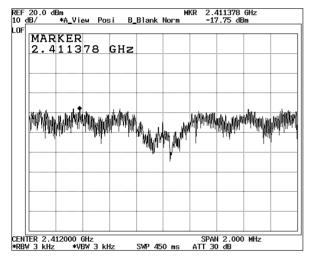


| Ί | <b>Cest</b> | resu | ılt |
|---|-------------|------|-----|
|   |             |      |     |

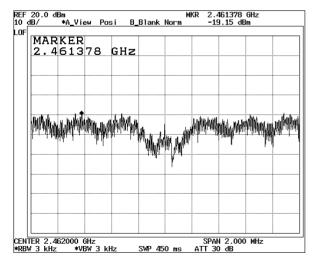
| Product            | EB05                    |  |
|--------------------|-------------------------|--|
| Test Item          | Power Density           |  |
| Test Mode          | 802.11g Mode / Transmit |  |
| Test Site          | RF Room                 |  |
| Measurement Method | Conducted               |  |

| Channel No. | Frequency<br>(MHz) | Measure Level<br>(dBm) | Limit<br>(dBm) | Result |
|-------------|--------------------|------------------------|----------------|--------|
| 1           | 2412               | -17.75                 | < 8            | Pass   |
| 6           | 2437               | -18.49                 | < 8            | Pass   |
| 11          | 2462               | -19.15                 | < 8            | Pass   |



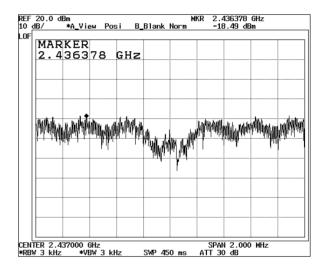






*Note : Measurement level = reading level + correct factor* 

Channel 6



### Antenna requirements

### According to FCC 47 CFR 15.203

"an intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached or an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section"

- \* the antenna of this EUT is a permanently attached.
- \* the EUT complies with the requirement of 15.203

