Date of Issue: November 14, 2007

FCC 47 CFR PART 15 Subpart C

TEST REPORT

For

RF-KEYBOARD

Model Number: CAN-2004W; CAN-3000W; CAN-5000W; CAN-6000W

Trade Name: N/A

Issued to

CAN TECHNOLOGY CO., LTD. NO. 827, SEC.1, JUNG HUA RD., JUNG LI CITY, TAOYUAN HSIEN, TAIWAN, R.O.C.

Issued by

Compliance Certification Services Inc.
No. 81-1, Lane 210, Bade Rd. 2, Luchu Hsiang,
Taoyuan Hsien, (338) Taiwan, R.O.C.
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1. TEST RESULT CERTIFICATION

Applicant: CAN TECHNOLOGY CO., LTD.

NO. 827, SEC.1, JUNG HUA RD., JUNG LI CITY,

Date of Issue: November 14, 2007

TAOYUAN HSIEN, TAIWAN, R.O.C.

Equipment Under Test: RF-KEYBOARD

Trade Name: N/A

Model Number: CAN-2004W; CAN-3000W; CAN-5000W; CAN-6000W

Date of Test: April 17 ~ November 12, 2007

APPLICABLE STANDARDS		
STANDARD	TEST RESULT	
FCC 47 CFR Part 15 Subpart C	No non-compliance noted	

We hereby certify that:

The above equipment was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4: 2003 and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements emission limits of FCC Rules Part 15.107, 15.109,15.207, 15.209 and 15.249.

The test results of this report relate only to the tested sample identified in this report.

The test results of this report relate only to the tested sample EUT identified in this report.

Approved by:

Reviewed by:

S.C. Wang

Executive Vice President

Compliance Certification Services Inc.

Miller Lee

Deputy Manager of Linkou Laboratory Compliance Certification Services Inc.

2. EUT DESCRIPTION

Product	RF-KEYBOARD	
Trade Name	N/A	
Model Number	CAN-2004W; CAN-3000W; CAN-5000W; CAN-6000W	
Model Discrepancy	The difference between of four model numbers, they are identical just for marketing purpose except appearances.	
Power Supply	3Vdc from Battery	
Frequency Range	2405~2477 MHz	
Modulation Technique	FSK	
Antenna Gain	0.6dBi	
Antenna Designation	Monopole Antenna	

Date of Issue: November 14, 2007

- 1. The sample selected for test was production product and was provided by manufacturer.
- 2. This submittal(s) (test report) is intended for FCC ID: <u>IZICAN2004W</u> filing to comply with Section 15.107 & 15.109 (FCC Part 15, Subpart B) and Section 15.207, 15.209, 15.249 (FCC Part 15, Subpart C Rules.)

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.4 and FCC CFR 47 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055, 2.1057, 15.207, 15.209 and 15.249.

Date of Issue: November 14, 2007

3.1EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

3.2EUT EXERCISE

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section 15.107 and 15.109 under the FCC Rules Part 15 Subpart B and Section 15.207, 15.209,15.249 under the FCC Rules Part 15 Subpart C.

3.3GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4.

3.4FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 -	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.52525	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	156.7 - 156.9	3260 - 3267	23.6 - 24.0
12.29 - 12.293	162.0125 - 167.17	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	167.72 - 173.2	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	240 - 285	3600 - 4400	$\binom{2}{2}$
13.36 - 13.41	322 - 335.4		

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

(b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

3.5DESCRIPTION OF TEST MODES

The EUT (model: CAN-2004W) had been tested under operating condition.

After verification, all tests were carried out with the worst case test modes as shown below except radiated spurious emission below 1GHz, which worst case was in normal link mode only, and powerline conducted emission below 30MHz, which worst case was in normal link mode with charging only.

Channel Low (2405MHz), Channel Mid (2438MHz) and Channel High (2477MHz) were chosen for the final testing.

² Above 38.6

4. INSTRUMENT CALIBRATION

4.1MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

4.2MEASUREMENT EQUIPMENT USED

Equipment Used for Emissions Measurement

Remark: Each piece of equipment is scheduled for calibration once a year.

3M Semi Anechoic Chamber				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	R&S	FSP30	100112	10/14/2008
Spectrum Analyzer	R&S	FSEB	825829/011	10/11/2008
Pre-Amplifier	Anritsu	MH648A	M89145	07/20/2008
Pre-Amplifier	Agilent	8449B	3008A01738	04/11/2008
Bilog Antenna	FRANKONIA	BTA-M	030003M	N.C.R
Horn Antenna	EMCO	3115	00022257	12/18/2007
Antenna Tower	HD	AS620E	N/A	N.C.R
Controller	HD	HD100	N/A	N.C.R
Turn Table	HD	DT-K312	N/A	N.C.R
Test S/W	LabVIEW 6.1 (Wugu Chamber EMI Teat V1_4.5.3)			

Remark: The measurement uncertainty is less than +/-2.0065dB (30MHz ~ 1GHz), +/-3.0958dB (Above 1GHz) which is evaluated as per the NAMAS NIS 81 and CISPR/A/291/CDV.

Open Area Test Site #3 Name of Equipment Manufacturer Model **Serial Number Calibration Due** E4411B MY41440314 01/30/2008 Spectrum Analyzer Agilnet Spectrum Analyzer R&S FSP30 100112 10/14/2008 **EMI Test Receiver** R&S ESVS30 828488/004 03/12/2008 09/09/2008 Pre-Amplifier MH648A M18767 Anritsu Pre-Amplifier 8449B 3008A01738 04/11/2008 Agilent Bilog Antenna **SCHWAZBECK VULB9163** 144 03/30/2008 **EMCO** 00022250 05/03/2008 3115 Horn Antenna **EMCO** 6502 2356 05/28/2010 Loop Antenna Turn Table Chance Most CM-T003-1 T807-6 N.C.R N.C.RChance Most CM-A003-1 A807-6 Antenna Tower Controller CCS CC-C-1F N/AN.C.R RF Switch **ANRITSU** MP59B M53867 N.C.R Site NSA **CCS** N/AN/A05/18/2008 Test S/W LabVIEW 6.1 (CCS OATS EMI SW V2.6)

Date of Issue: November 14, 2007

Remark: The measurement uncertainty is less than +/- 2.16dB, which is evaluated as per the NAMAS NIS 81 and CISPR/A/291/CDV.

5. FACILITIES AND ACCREDITATIONS

5.1FACILITIES

AII	measurement facilities used to collect the measurement data are located at
	No. 199, Chunghsen Road, Hsintien City, Taipei Hsien, Taiwan, R.O.C. Tel: 886-2-2217-0894 / Fax: 886-2-2217-1029
	No.11, Wugong 6th Rd., Wugu Industrial Park, Taipei Hsien 248, Taiwan Tel: 886-2-2299-9720 / Fax: 886-2-2298-4045
	No.81-1, Lane 210, Bade 2nd Rd., Luchu Hsiang, Taoyuan Hsien 338, Taiwan Tel: 886-3-324-0332 / Fax: 886-3-324-5235

5.2EQUIPMENT

CISPR Publication 22.

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

5.3TABLE OF ACCREDITATIONS AND LISTINGS

Country	Agency	Scope of Accreditation	Logo
USA	A2LA	EN 55011, EN 55014-1/2, CISPR 11, CISPR 14-1/2, EN 55022, EN 55015, CISPR 22, CISPR 15, AS/NZS 3548, VCCI V3 (2001), CFR 47, FCC Part 15/18, CNS 13783-1, CNS 13439, CNS 13438, CNS 13803, CNS 14115, EN 55024, IEC 801-2, IEC 801-3, IEC 801-4, IEC/EN 61000-3-2, EIC/EN 61000-3-3, IEC/EN 61000-4-2/3/4/5/6/8/11, EN 50081-1/ EN 61000-6-3, EN 50081-2/EN 61000-6-4, EN 50081-2/EN 61000-6-1: 2001	ACCREDITED 0824-01
USA	FCC	3/10 meter Open Area Test Sites (93105, 90471) / 3M Semi Anechoic Chamber (965860) to perform FCC Part 15/18 measurements	93105, 90471 965860
Japan	VCCI	3/10 meter Open Area Test Sites to perform conducted/radiated measurements	VCCI R-393/1066/725/879 C-402/747/912
Norway	NEMKO	EN 50081-1/2, EN 50082-1/2, IEC 61000-6-1/2, EN 50091-2, EN 50130-4, EN 55011, EN 55013, EN 55014-1/2, EN 55015, EN 55022, EN 55024, EN 61000-3-2/3, EN 61326-1, IEC 61000-4-2/3/4/5/6/8/11, EN 60601-1-2, EN 300 328, EN 300 422-2, EN 301 419-1, EN 301 489-01/03/07/08/09/17, EN 301 419-2/3, EN 300 454-2, EN 301 357-2	ELA 124a ELA 124b ELA 124c
Taiwan	TAF	EN 300 328, EN 300 220-1, EN 300 220-2, EN 300 220-3, 47 CFR FCC Part 15 Subpart C, EN 61000-3-2, EN 61000-3-3, CNS 13439, CNS 13783-1, CNS 14115, CNS 13438, AS/NZS CISPR 22, CNS 13022-1, IEC 61000-4-2/3/4/5/6/8/11, CNS 13022-2/3	Testing Laboratory 0363
Taiwan	BSMI	CNS 13438, CNS 13783-1, CNS 13439, CNS 14115	SL2-IS-E-0014 SL2-IN-E-0014 SL2-A1-E-0014 SL2-R1-E-0014 SL2-R2-E-0014 SL2-L1-E-0014
Canada	Industry Canada	3/10 meter Open Area Test Sites (IC 3991-3, IC 3991-4) / 3M Semi Anechoic Chamber (IC 6106) to perform RSS 212 Issue 1	Canada IC 2324C-3 IC 2324C-5 IC 6106

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^{*} No part of this report may be used to claim or imply product endorsement by A2LA or any agency of the US Government.

6. SETUP OF EQUIPMENT UNDER TEST

6.1SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

6.2SUPPORT EQUIPMENT

No.	Device Type	Brand	Model	Series No.	FCC ID	Data Cable	Power Cord
1.	Dongle (Remote)	N/A	CAN-2004W	N/A	FCC DoC	N/A	N/A
2.	Notebook Computer (Remote)	SONY	PDG-6GFP	J000YXJM	FCC DoC	N/A	AC I/P: Unshielded, 1.8m O/P: Unshielded, 1.8m

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Remark: Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

7. FCC PART 15.249 REQUIREMENTS

7.1BAND EDGES MEASUREMENT

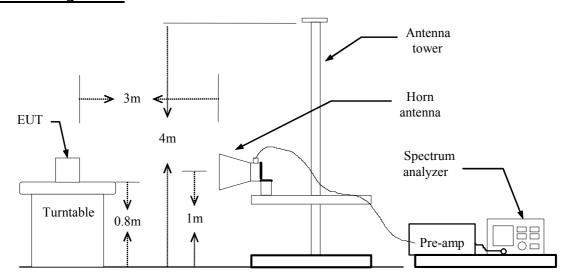
LIMIT

1. In the above emission table, the tighter limit applies at the band edges.

Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBµV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

2. As shown in Section 15.35(b), for frequencies above 1000 MHz, the above field strength limits in paragraphs (a) and (b) of this section are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation under paragraph (b) of this section, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.

Test Configuration



TEST PROCEDURE

- 1. The EUT is placed on a turntable, which is 0.8m above the ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO
- 5. Repeat the procedures until all the PEAK and AVERAGE versus POLARIZATION are measured.

TEST RESULTS

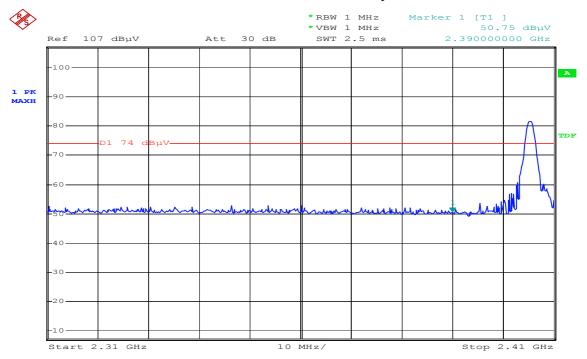
Refer to attach spectrum analyzer data chart.

Report No.: 71107104-RP1

Band Edges (CH Low)

Detector mode: Peak

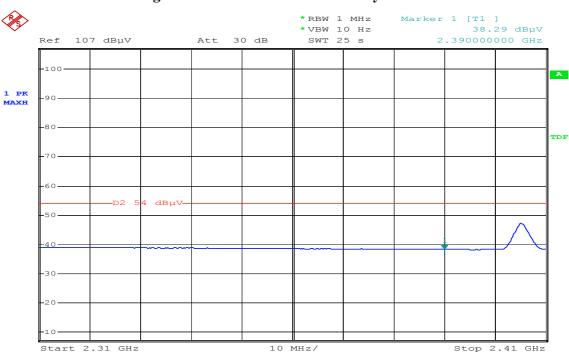
Polarity: Vertical



7.NOV.2007 17:14:01

Detector mode: Average

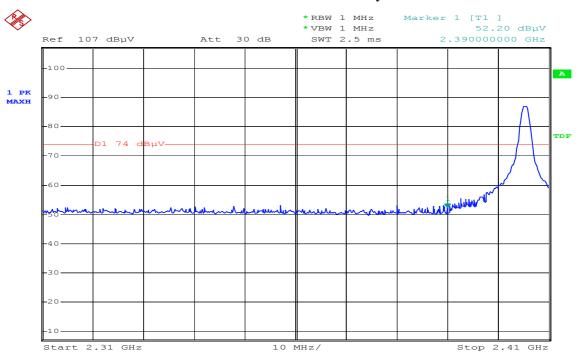
Polarity: Vertical



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Detector mode: Peak

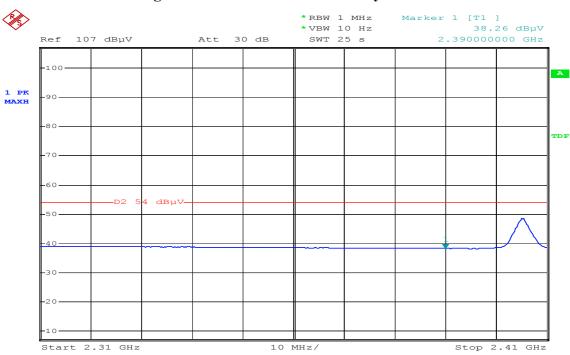
Polarity: Horizontal



Date: 7.NOV.2007 17:10:49

Detector mode: Average

Polarity: Horizontal



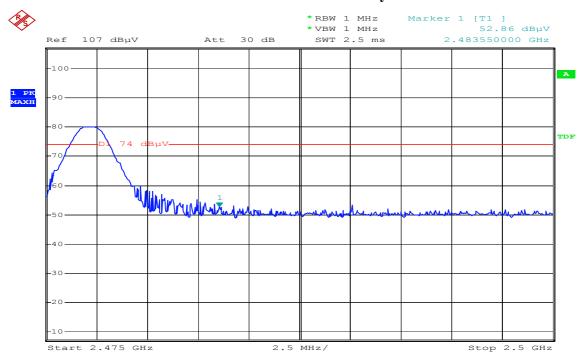
Date: 7.NOV.2007 17:11:39

Compliance Certification Services Inc.Report No.: 71107104-RP1FCC ID: IZIC FCC ID: IZICAN2004W

Band Edges (CH High)

Detector mode: Peak

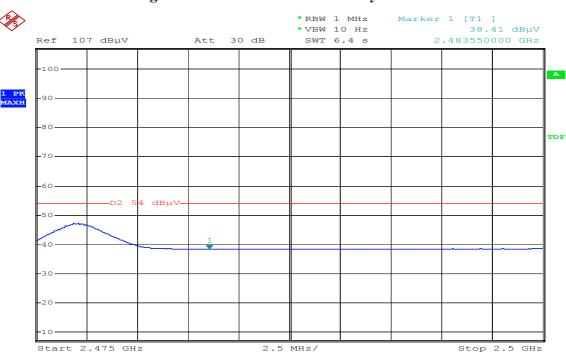
Polarity: Vertical



7.NOV.2007 17:02:25

Detector mode: Average

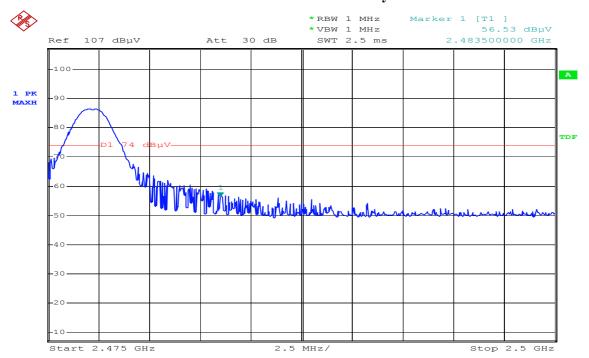
Polarity: Vertical



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Detector mode: Peak

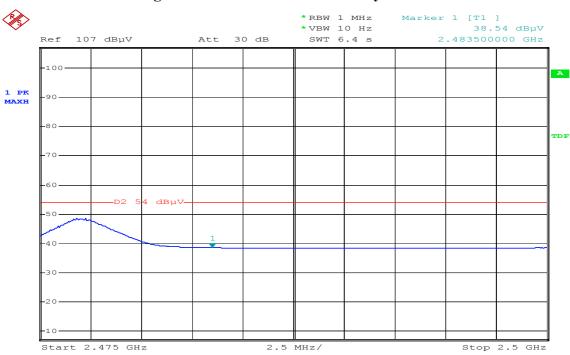
Polarity: Horizontal



Date: 7.NOV.2007 17:04:34

Detector mode: Average

Polarity: Horizontal



Date: 7.NOV.2007 17:04:58

7.2SPURIOUS EMISSION

LIMIT

1. In the section 15.249(a):

Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental Field Strength (mV/m)	Field Strength of Harmonics (μV/m)
902-928 MHz	50	500
2400 - 2483.5 MHz	50	500
5725 - 5875 MHz	50	500
24.0 - 24.25 GHz	250	2500

2. Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
30-88	100*	3
88-216	150*	3
216-960	200*	3
Above 960	500	3

Remark: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

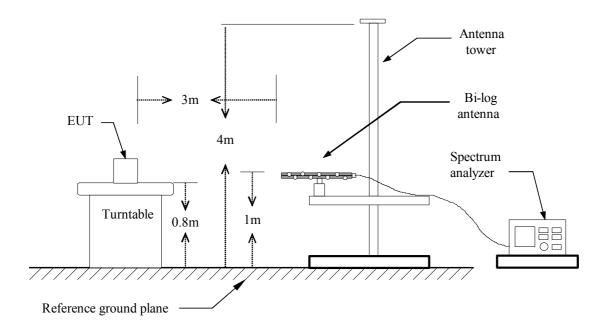
3. In the above emission table, the tighter limit applies at the band edges.

Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBμV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

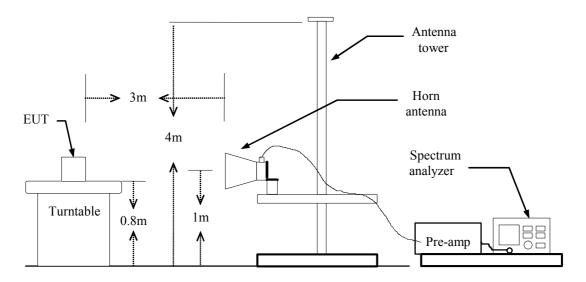
Compliance Certification Services Inc. Report No. 71107104 PR Report No.: 71107104-RP1

Test Configuration

Below 1 GHz



Above 1 GHz



TEST PROCEDURE

- 1. The EUT is placed on a turntable, which is 0.8m above ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.

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- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Set the spectrum analyzer in the following setting as:

Below 1GHz:

RBW=100kHz / VBW=300kHz / Sweep=AUTO

Above 1GHz:

- (a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
- (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO
- 7. Repeat above procedures until the measurements for all frequencies are complete.

TEST RESULTS

Below 1 GHz

Operation Mode: Normal Link Test Date: April 17, 2007

Date of Issue: November 14, 2007

Temperature: 20°C **Tested by:** Arno Hsieh

Humidity: 55% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Ant.Pol. (H/V)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
222.00	V	13.87	13.22	27.09	46.00	-18.91	Peak
331.00	V	9.84	16.24	26.08	46.00	-19.92	Peak
452.00	V	6.12	18.43	24.55	46.00	-21.45	Peak
469.00	V	5.45	18.84	24.29	46.00	-21.71	Peak
624.00	V	2.62	21.88	24.50	46.00	-21.50	Peak
840.00	V	0.85	24.18	25.03	46.00	-20.97	Peak
154.00	Н	9.44	10.30	19.74	43.50	-23.76	Peak
336.00	Н	7.06	16.38	23.44	46.00	-22.56	Peak
462.00	Н	6.68	18.67	25.35	46.00	-20.65	Peak
508.00	Н	8.66	19.75	28.40	46.00	-17.60	Peak
687.00	Н	6.34	22.19	28.53	46.00	-17.47	Peak
842.00	Н	5.18	24.20	29.38	46.00	-16.62	Peak

- 1. Measuring frequencies from 30 MHz to the 1GHz.
- 2. Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using peak/quasi-peak detector mode.
- 3. Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit or as required by the applicant.
- 4. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 5. Margin (dB) = Remark result (dBuV/m) Quasi-peak limit (dBuV/m).

Above 1 GHz

Operation Mode: Tx / CH Low Test Date: November 7, 2007

Date of Issue: November 14, 2007

Temperature: 24°C **Tested by:** Arno Hsieh

Humidity: 54% RH **Polarity:** Ver. / Hor.

Ewag	Ant.	Peak	AV	Ant. / CL	Res	Result		AV	Margin	
Freq. (MHz)	Pol H/V	Reading (dBuV)	Reading (dBuV)	CF (dB)	Peak (dBuV/m)	AV (dBuV/m)	Limit (dBuV/m)	Limit (dBuV/m)	(JD)	Remark
2405.00	V	87.19	52.71	-5.53	81.66	47.18	113.97	93.97	-32.31	Peak
2304.00	V	55.57		-4.84	50.73		74.00	54.00	-3.27	Peak
4810.00	V	60.77	34.50	1.84	62.61	36.34	74.00	54.00	-17.66	AVG
7220.00	V	51.98	31.87	6.38	58.35	38.25	74.00	54.00	-15.75	AVG
N/A										
2405.00	Н	94.05	53.52	-5.53	88.52	47.99	113.97	93.97	-25.45	Peak
4810.00	Н	50.76	32.49	1.84	52.60	34.33	74.00	54.00	-19.67	AVG
7220.00	Н	47.65	30.50	6.38	54.03	36.88	74.00	54.00	-17.12	AVG
N/A										

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin (dB) = Remark result (dBuV/m) Average limit (dBuV/m).

Operation Mode: Tx / CH Mid **Test Date:** November 7, 2007

Date of Issue: November 14, 2007

Temperature: 24°C **Tested by:** Arno Hsieh

Humidity: 54% RH **Polarity:** Ver. / Hor.

F	Ant.	Peak	AV	Ant. / CL	Result		Peak	AV	Mana	
Freq. (MHz)	Pol H/V	Reading (dBuV)	Reading (dBuV)	CF (dB)	Peak (dBuV/m)	AV (dBuV/m)	Limit (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
2438.00	V	85.77	51.99	-5.14	80.63	46.85	113.97	93.97	-33.34	Peak
4880.00	V	60.40	34.33	2.05	62.45	36.38	74.00	54.00	-17.62	AVG
7320.00	V	50.15	31.15	6.65	56.80	37.80	74.00	54.00	-16.20	AVG
N/A										
2438.00	Н	93.26	53.76	-5.14	88.12	48.62	113.97	93.97	-25.85	Peak
4880.00	Н	50.65	31.80	2.05	52.70	33.85	74.00	54.00	-20.15	AVG
7320.00	Н	45.18		6.65	51.82		74.00	54.00	-2.18	Peak
N/A										

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin (dB) = Remark result (dBuV/m) Average limit (dBuV/m). Peak detector mode and average detector mode of the emission shown in Result column.

Operation Mode: Tx / CH High **Test Date:** November 7, 2007

Date of Issue: November 14, 2007

Temperature:24°CTested by:Arno HsiehHumidity:54% RHPolarity:Ver. / Hor.

Емод	Freq. Ant.		AV	Ant. / CL	Result		Peak	AV	Margin	
(MHz)	Pol H/V	Reading (dBuV)	Reading (dBuV)	CF (dB)	Peak (dBuV/m)	AV (dBuV/m)	Limit (dBuV/m)	Limit (dBuV/m)	(AD)	Remark
2477.00	V	84.64	51.65	-4.57	80.07	47.08	113.97	93.97	-33.90	Peak
4950.00	V	58.62	34.76	2.25	60.87	37.01	74.00	54.00	-16.99	AVG
7440.00	V	47.55	30.86	6.97	54.51	37.83	74.00	54.00	-16.17	AVG
N/A										
2477.00	Н	90.84	52.78	-4.57	86.27	48.21	113.97	93.97	-27.70	Peak
4950.00	Н	49.18		2.25	51.43		74.00	54.00	-2.57	Peak
7440.00	Н	44.74		6.97	51.71		74.00	54.00	-2.29	Peak
N/A										

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
- 4. Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin (dB) = Remark result (dBuV/m) Average limit (dBuV/m). Peak detector mode and average detector mode of the emission shown in Result column.

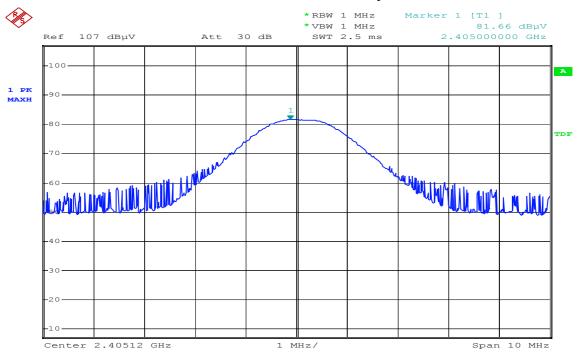


Test Plots

CH Low

Detector mode: Peak

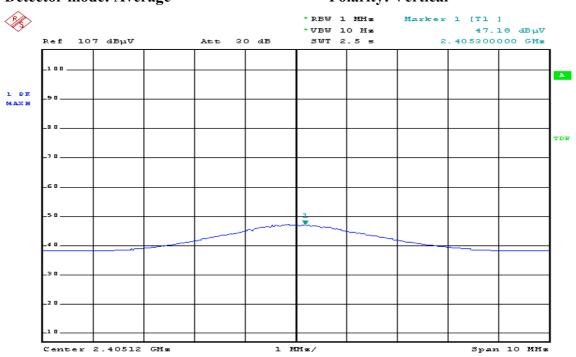
Polarity: Vertical



Date: 7.NOV.2007 17:18:11

Detector mode: Average

Polarity: Vertical



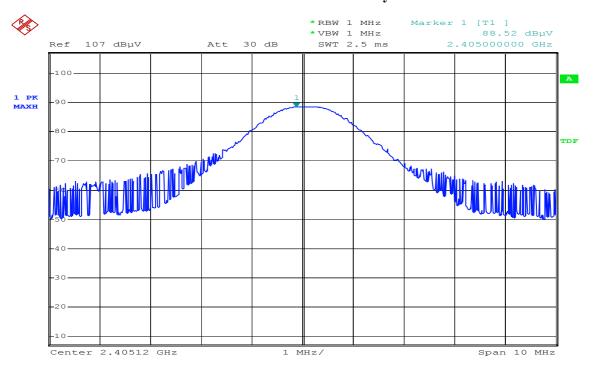
7.NOV.2007 17:18:46 Date:



Detector mode: Peak

Polarity: Horizontal

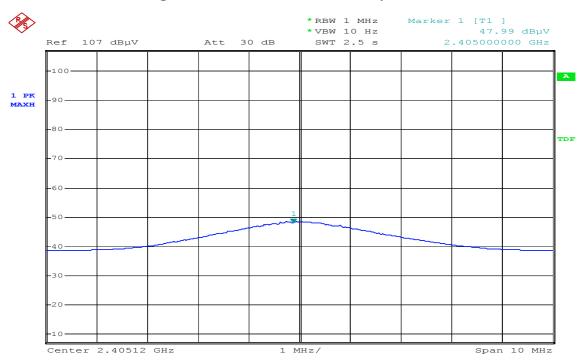
Date of Issue: November 14, 2007



Date: 7.NOV.2007 17:19:36

Detector mode: Average

Polarity: Horizontal



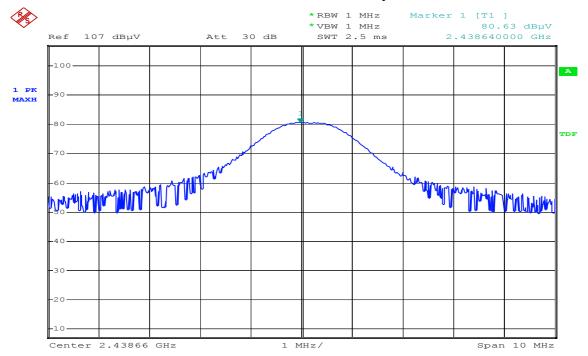
Date: 7.NOV.2007 17:20:10

Date of Issue: November 14, 2007

CH Mid

Detector mode: Peak

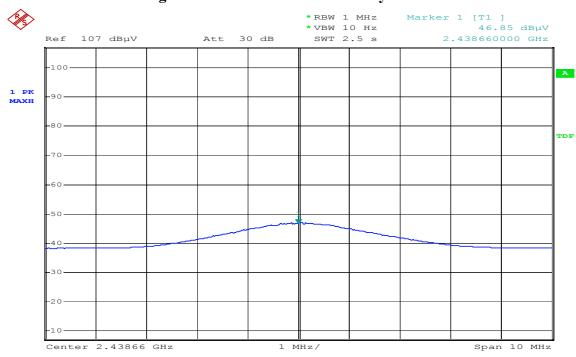
Polarity: Vertical



Date: 7.NOV.2007 17:26:02

Detector mode: Average

Polarity: Vertical

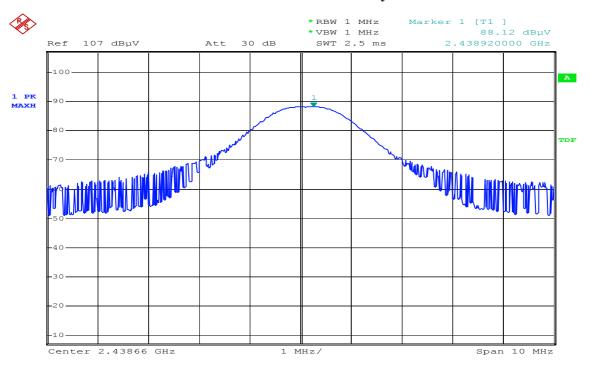


Date: 7.NOV.2007 17:26:43

Detector mode: Peak

Polarity: Horizontal

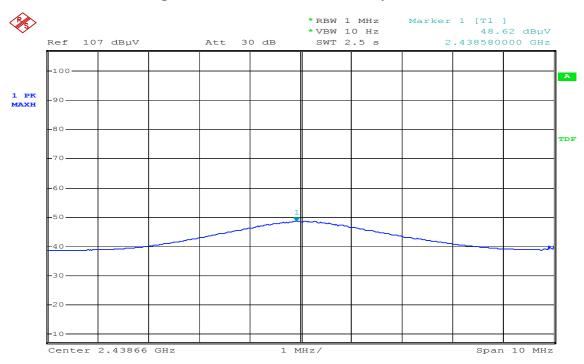
Date of Issue: November 14, 2007



Date: 7.NOV.2007 17:22:27

Detector mode: Average

Polarity: Horizontal

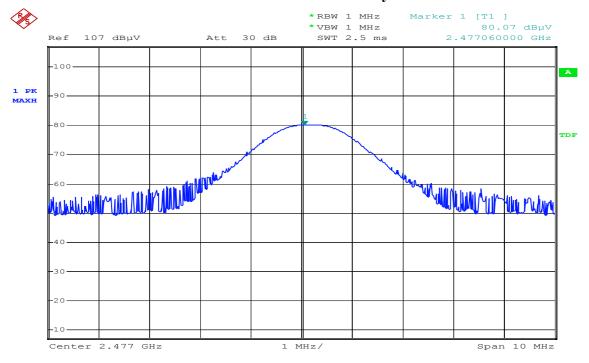


FCC ID: IZICAN2004W Date of Issue: November 14, 2007

CH High

Detector mode: Peak

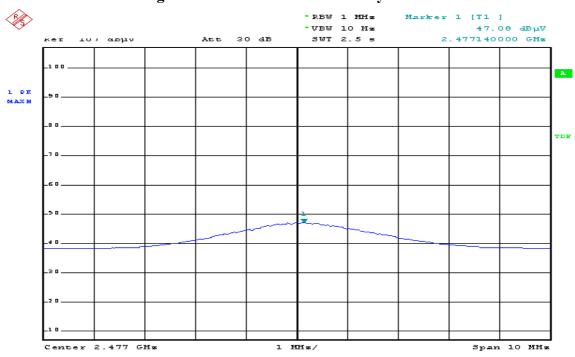
Polarity: Vertical



Date: 7.NOV.2007 17:42:37

Detector mode: Average

Polarity: Vertical

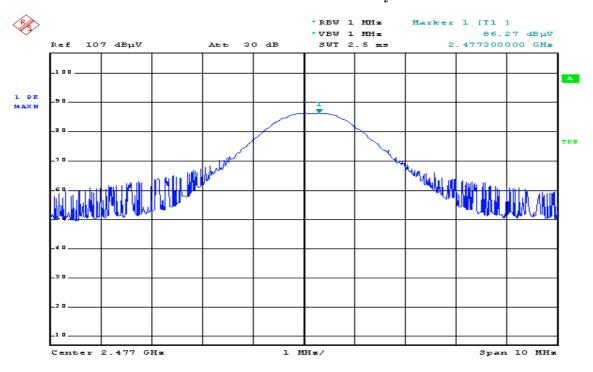


Date: 7.NOV.2007 17:43:01

Compliance Certification Services Inc. Report No.: 71107104-RP1

Detector mode: Peak

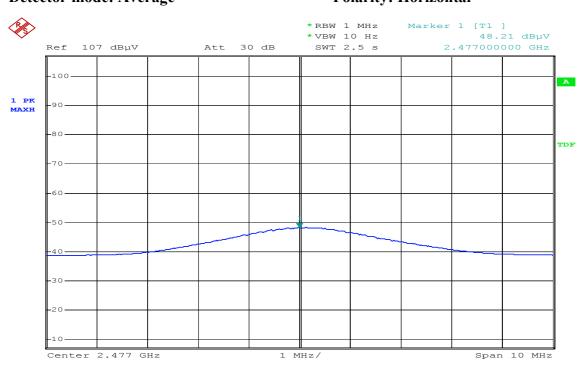
Polarity: Horizontal



7.NOV.2007 17:43:50 Date:

Detector mode: Average

Polarity: Horizontal



7.3 POWERLINE CONDUCTED EMISSIONS

LIMIT

According to $\S15.207(a)$, 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 μ 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 (MHz)	Limits (dBμV)					
(MILL)	Quasi-peak	Average				
0.15 to 0.50	66 to 56*	56 to 46*				
0.50 to 5	56	46				
5 to 30	60	50				

^{*} Decreases with the logarithm of the frequency.

Test Configuration

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

TEST PROCEDURE

- 1. The EUT was placed on a table, which is 0.8m above ground plane.
- 2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 3. Repeat above procedures until all frequency measured were complete.

TEST RESULTS

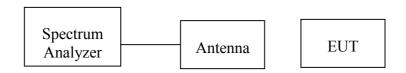
Since this EUT is battery powered, this test item is not applicable.

7.4 20 dB BANDWIDTH

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

- 1. Place the EUT on the table and set it in the transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as RBW=10kHz, VBW = RBW, Span = 1MHz, Sweep = auto.
- 4. Mark the peak frequency and 20dB (upper and lower) frequency.
- 5. Repeat until all the rest channels are investigated.

TEST RESULTS

Refer to attach spectrum analyzer data chart.

Test Plot

