FCC ID TEST REPORT

According to

FCC Part 15 Subpart C, Intentional Radiators

EUT Type	**RF Keyboard**
Transmitter (TX)	**1) Model No.: CK101**
	2) FCC ID: NHMCK101RF
	3) Power Supply: DC 6V, battery Type AA, 1.5Vdc x 4
Receiver (RX)	**1) Model No.: CKM001**
	2) FCC ID: N/A, (under DoC)
	3) Power Supply: DC 5V from PS/2 connector of PC
Applicant Name:	**CRE Technology Co., Ltd..**
Address	See the General Information for details.

Test Date : Aug. 13, 2001 Issued Date : Sep. 03 2001

Test Engineer : SEVEN CHAN NVLAP Signature : Peter Kao

Peter Kao / Director

PEP TESTING LABORATORY

12-3Fl, No. 27-1, Lane 169, Kang-Ning St., Hsi-Chih.
Taipei Hsien, Taiwan, R. O. C.
Tel : 8862-26922097 Fax : 8862-26956236

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1. General Information

Measurement of electromagnetic emissions (EME) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission under FCC Part 2 and 15.

a) EUT Transmitter (TX):
Model No.: CK101 **FCC ID: NHMCK101RF**
b) EUT Receiver (RX):
Model No.: CKM001 **FCC ID: N/A (under DoC)**

c) Applicant Name/Address: CRE TECHNOLOGY CO., LTD.
7F, NO. 22, WU-CHUAN 7TH ROAD, WU-KU INDUSTRIAL PARK, TAIPEI, TAIWAN, R. O. C.

Contact Person: **AARON PENG / ELECTRONIC ENGINEER**

Phone No.: **886-2-22902138** **Fax No.:** **886-2-22990233**

d) Manufacturer Name/Address: **CRE TECHNOLOGY CO., LTD.**
7F, NO. 22, WU-CHUAN 7TH ROAD, WU-KU INDUSTRIAL PARK, TAIPEI, TAIWAN, R. O. C.

- ✧ Regulation: FCC Parts 2 and 15
- ✧ Limitation: Part 15, Section 15.227, 15.207 and 15.209, Class B
- ✧ Test Procedure: ANSI C63.4-1992
- ✧ Place of Test: PEP Testing Laboratory

  12-3Fl, No. 27-1, Lane 169, Kang-Ning St., Hsi-Chih.
  Taipei Hsien, Taiwan, R. O. C.
  TEL : 8862-26922097 FAX : 8862-26956236

Measurement Uncertainty :

The uncertainty of the testing result is given as below . The method of uncertainty Calculation is based on NIST Technical Note 1297 .

Frequency (MHz)	0.15 ～ 30	30 ～ 1000
Combined Uncertainty μ_c	1.77 (dB)	2.08 (dB)

2. Product Information

a. EUT Type: RF Keyboard

b. Transmitter Model : CK101 Receiver Model : CKM001

c. TX FCC ID : NHMCK101RF RX FCC ID : N/A, (under DoC)

d. TX Channel No.： Two RX Channel No.： Two

e. TX Working Freq. : 27.035 / 27.205MHz RX Working Freq.: 27.035 / 27.205MHz

f. TX Modulation： FSK RX Modulation：

g. TX Crystal / Osc.： 4 MHz RX Crystal / Osc.： 12 MHz

h. TX Port(s) ： N/A RX Port(s) ： PS/2

i. TX Transmitting Power：

j TX Power Supply：DC 6V (1.5 V × 4) RX Power Supply：DC 5V from PS/2

j. TX Case： ABS TX Case： ABS

k. EUT Condition : ☐ Prototype ☑ Engineering ☐ Production

l. EUT Received Date : Aug. 09, 2001

3. EUT Description and Test Methods

(A) The EUT is Wireless RF Keyboard, FCC ID: NHMCK101RF, Model CK101 and CK102. The difference between these two models is language family and additional function key attached beside right Shift key . We took model CK101 as worst-case EUT for the test after these two models had been pre-scanned. It consists of one wireless transmitter supplied from DC 6V (Battery Type AA 1.5V ×4), and one receiver model CKM001connected to PS/2 rated DC 5V from PC. The transmitting frequency is operating either 27.035MHz or 27.205MHz, which is controlled by one select switch at the bottom of Transmitter and Receiver units; we pre-tested both of two frequencies and took 27.205MHz as worst-case for final test, and the worst-case test result was provided in this report. The effective transmitting distance of EUT system is more than 3 meters. We located both transmitter and receiver on turntable under testing. For more detail information about the EUT, please refer to the user's manual.

(B) Test Method: EUT system including Transmitter and Receiver link with PC system are setup as a complete test system on turntable. The receiver of EUT connected to PS/2 port of PC system, the PC operating system was setup to detect and drive every peripheral devices including EUT. Then, we pressed "H" key on the transmitter to enable RF keyboard under Control panel of WIN98 for Tx-On Mode, and ran "EMITEST" for Tx-Off Mode, and the worst-case test data as ANSI C63.4 requirement was recorded and provided in this report.

(C) Test Mode: (1) For Conducted EMI---"Tx-Off" Mode

(2) For Radiated EMI---"Tx-On" and "Tx-Off" Mode

(D) At the frequencies where the peak values of the emission exceeded the quasi-peak limit, the emissions were also measured with the quasi-peak detectors. The average detector also measured the emission either (A) quasi-peak values were under quasi-peak limit but exceeded average limit, or (B) peak values were under quasi-peak limit but exceeded average limit.

(E) Due to EUT system is Desktop type not Handheld type, only one orthogonal plane is tested for detecting the required EMI testing data.

4. Modification(s):

N/A

5. Test Software Used

EMITEST.EXE program generates a complete line of continuously repeating “H” pattern is used as the software during test.

6. Support Equipment Used

1. Personal Computer (PC1)

CPU : Intel PⅢ 733 MHz
FCC ID：Declaration of Conformity(DoC)
Manufacturer：ASUS INC.
Model Number：P2-99
Power Supply：Switching
Power Cord：Non-Shielded, Detachable, 1.8m
Data Cable： N/A

2. Monitor (MON1 15")

FCC ID：Declaration of Conformity(DoC)
Manufacturer：SAMSUNG
Model Number：550S
Power Supply：Switching
Power Cord：Non-Shielded, Detachable, 1.8m
Data Cable：**1 >** Shielded , Non-detachable,1.2m
2 > Back Shell : Metal

3. Printer (PRN1)

FCC ID：B94C2642X
Manufacturer：Hewlett-Packard
Model Number：C2642E
Power Supply：Linear, 30Vdc O/P
Power Cable：Non-Shielded , Detachable,1.8m
Data Cable：**1 >** Shielded , Detachable,1.2m
2 > Back Shell : Metal

4. Modem (MOD1) × 2

FCC ID：IFAXDM1414
Manufacturer：ACEEX
Model Number：1414
Power Supply：Linear, 9Vac O/P
Power Cable：Non-Shielded , Detachable,1.7m
Data Cable：**1 >** Shielded , Detachable,1m
2 > Back Shell : Metal

5. Mouse (PS/2)

FCC ID：NHMCM108RF
Manufacturer：CRE
Model Number：CM108
Power Supply：DC3V, Battery Type AAA, 1.5V × 2
Data Cable：N/A, Wireless RF
Note：It is being applied for FCC ID at the same time

7. Description of Conducted Emissions Test

7.1 Conducted Emissions Limits

Frequency	Maximum RF Voltage in dB(uV)			
	FCC Part 15, Subpart C		CISPR 22	
MHz	QUASI-PEAK	AVERAGE	QUASI-PEAK	AVERAGE
0.15 - 0.50	-	-	66-56	56-46
0.50 - 5.0	48	48	56	46
5.0 - 30	48	48	60	50

Remarks : In the above table, the tighter limit applies at the band edges.

8. Description of Radiated Emissions Test

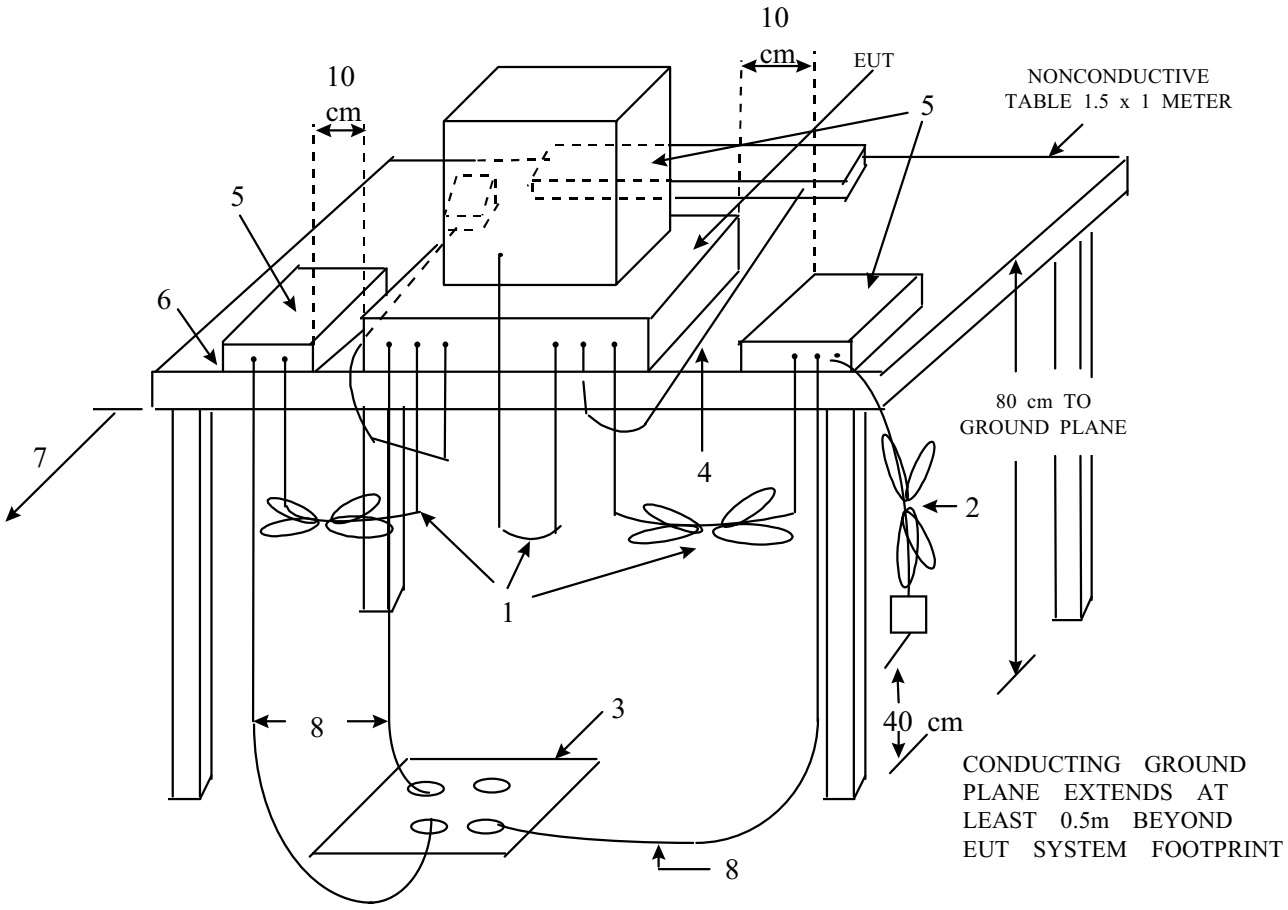
8.1 Radiated Emissions

Preliminary measurements were made indoors chamber at 3 meter using broadband antennas, broadband amplifier, and spectrum analyzer to determine the frequency producing the maximum EME. Appropriate precaution was taken to ensure that all EME from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, turntable azimuth with respect to the antenna were noted for each frequency found. The spectrum was scanned from 30 to 1000 MHz using logbicon antenna. Above 1GHz, linearly polarized double ridge horn antenna was used.

Final measurements were made outdoors at 3-meter test range using logbicon antenna and horn antenna. The test equipment was placed on a wooden bench situated on a 1.5x1 meter area adjacent to the measurement area. Sufficient time for the EUT, support 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 and investigated using Quasi-Peak Adapter. The detector function was set to CISPR quasi-peak mode and the bandwidth of the receiver was set to 120kHz.

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 mode of operation or resolution; clock or data exchange speed; scrolling H pattern to the EUT and/or support equipment, and powering the monitor from the floor mounted outlet box and the computer aux AC outlet , if applicable; and changing the polarity of the antenna, whichever determined the worst-case emission. Photographs of the worst-case emission can be seen in radiated emission test photo.

8.2 Test Configuration



LEGEND

1. Interconnecting cables which hang closer than 40 cm to the ground plane shall be folded back and forth forming a bundle 30 to 40 cm long. hanging approximately in the middle between ground plane and table.
2. I/O cables which are connected to a peripheral hall be bundled in center. The end of the cable may b terminated if required using correct terminating impedance. The total length shall not exceed 1 m.
3. If LISN are kept in the test setup for radiated emissions, it is preferred that they be installed under the ground if requires receptacle flush with the ground plane.
4. Cables of hand-operated devices, such as keyboards, KEYPADs, etc., have to be placed as close as possible to the controller.
5. Non-EUT components of EUT system being tested.
6. The rear of all components of the system under test shall be located flush with the rear of the table.
7. No vertical conducting wall used.
8. Power cords drape to the floor and are routed over to receptacle.

8.3 Radiated Emission Limits

Limits for radiated disturbance of
Class B ITE or Intentional Radiator
At a measuring distance of 3 m

Frequency MHz	Field Strength dB(μV/m) or uV/m	
30 to 88	40	100
88 to 216	43.5	150
216 to 960	46	200
Above 960	56	500

NOTES
1 The lower limit shall apply at the transition frequency.
2 Additional provisions may be required for cases where interference occurs.

9. Conducted Emissions Test Setup Photo.

< Front View >

<Rear View >

10. Conducted Emissions Test Data

EUT Models	**: CK101 + CKM001 + PC SYSTEM**
Frequency range	**: 450KHz to 30MHz**
Detector	**: Quasi-peak Value**
Temperature	**: 29 ℃**
Relative Humidity	**: 39 %**

Test Data : # **166** < LINE >
164 <NEUTRAL>

※ Note 1. Level = Read Level + Cable Loss + Probe (LISN)
2. Over Limit = Level – Limit = Margin

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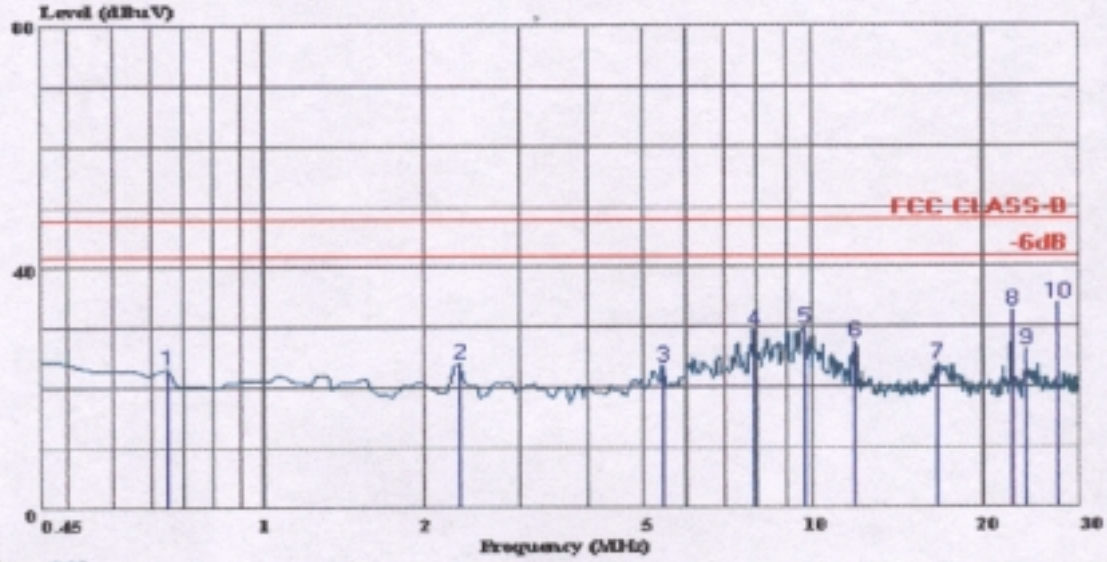

Trace: 166
Site : Conduction NO.1(Michael Wang)
Condition: FCC CLASS-B LISN.L(16A) LINE
eut : CK101+CKM001+PC SYSTEM
power : AC120V 60Hz
memo : Peak Value

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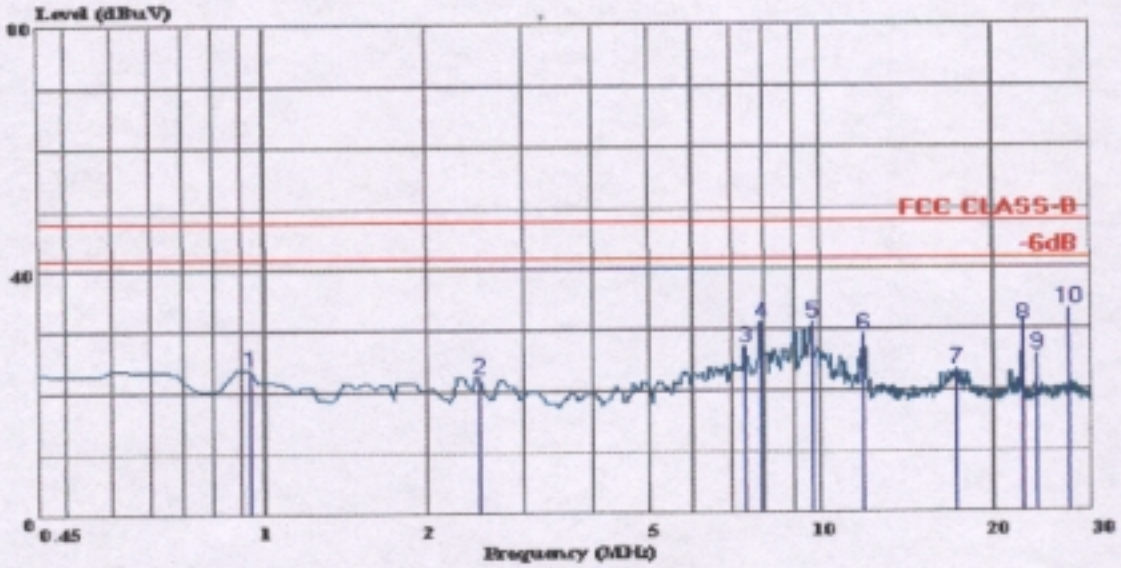
	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.746	23.20	-24.80	48.00	23.00	0.10	0.10	
2	2.430	24.08	-23.92	48.00	23.80	0.13	0.15	
3	5.562	23.37	-24.63	48.00	23.00	0.27	0.10	
4	8.015	29.65	-18.35	48.00	29.20	0.35	0.10	
5	9.817	29.78	-18.22	48.00	29.20	0.40	0.18	
6	12.004	27.49	-20.51	48.00	26.80	0.49	0.20	
7	16.821	23.74	-24.26	48.00	22.80	0.64	0.30	
8	22.642	32.73	-15.27	48.00	31.60	0.81	0.32	
9	24.001	26.17	-21.83	48.00	25.01	0.86	0.30	
10	27.370	33.96	-14.04	48.00	32.79	0.85	0.32	

Data#: 164 File#: Fccb.emi Date: 2001-08-14 Time: 21:05:30



Trace: 163
Site : Conduction NO.1(Michael Wang)
Condition: FCC CLASS-B LISN.N(16A) NEUTRAL
eut : CK101+CKM001+PC SYSTEM
power : AC120V 60Hz
memo : Peak Value

Page: 1

	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	1.041	23.81	-24.19	48.00	23.60	0.10	0.11	
2	2.607	22.24	-25.76	48.00	22.01	0.10	0.13	
3	7.483	27.14	-20.86	48.00	26.80	0.24	0.10	
4	8.015	31.15	-16.85	48.00	30.80	0.25	0.10	
5	9.817	31.28	-16.72	48.00	30.80	0.30	0.18	
6	12.063	29.35	-18.65	48.00	28.80	0.35	0.20	
7	17.382	23.55	-24.45	48.00	22.80	0.45	0.30	
8	22.731	30.67	-17.33	48.00	29.80	0.56	0.31	
9	24.001	25.88	-22.12	48.00	25.00	0.58	0.30	
10	27.370	33.26	-14.74	48.00	32.39	0.55	0.32	

11. Radiated Emissions Test Setup Photo.

< FRONT VIEW >

< REAR VIEW >

12. Radiated Emissions Test Data

Model No. : CKM001 + PC SYSTEM
Frequency range : 30MHz to 1GHz Detector : Quasi-Peak Value
Frequency range : above 1GHz Detector : Quasi-Peak/Average Value
Temperature : 34 ° C Humidity : 30 %
MEMO : TX OFF

Antenna polarization : HORIZONTAL ; Test distance : 3m ;

Freq. (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dB)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Azimuth (° angle)	Antenna High(m)
37.103	30.48	- 9.52	40.00	33.30	17.08	0.19	20.09	175.1	4.0
111.113	24.53	-18.97	43.50	32.28	11.67	0.66	20.08	179.6	4.0
149.002	27.35	-16.15	43.50	36.48	9.83	0.90	19.86	183.2	4.0
169.531	26.39	-17.11	43.50	35.99	9.13	1.00	19.73	170.5	4.0
227.929	25.37	-20.63	46.00	34.15	9.66	1.33	19.77	171.8	4.0
239.932	24.71	-21.29	46.00	31.36	11.33	1.42	19.40	176.2	4.0
262.805	26.47	-19.53	46.00	30.16	14.79	1.56	20.04	175.9	4.0
321.580	27.60	-18.40	46.00	32.35	13.62	1.75	20.12	173.3	3.9
498.469	29.95	-16.05	46.00	30.50	17.55	2.30	20.40	178.1	3.9
531.078	29.94	-16.06	46.00	29.42	18.26	2.33	20.07	175.2	3.9

Note :

1. Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor
2. Over Limit = Level – Limit Line

Model No. : CKM001 + PC SYSTEM
Frequency range : 30MHz to 1GHz Detector : Quasi-Peak Value
Frequency range : above 1GHz Detector : Quasi-Peak/Average Value
Temperature : 25 ° C Humidity : 70 %
MEMO : TX OFF

Antenna polarization : VERTICAL ; Test distance : 3m ;

Freq. (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dB)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Azimuth (° angle)	Antenna High(m)
37.102	25.36	-14.64	40.00	28.18	17.08	0.19	20.09	179.6	1.0
111.100	26.41	-17.09	43.50	34.16	11.67	0.66	20.08	173.8	1.0
149.002	22.87	-20.63	43.50	32.00	9.83	0.90	19.86	175.2	1.0
169.531	25.39	-18.11	43.50	34.99	9.13	1.00	19.73	179.3	1.0
227.926	27.50	-18.50	46.00	36.28	9.66	1.33	19.77	170.5	1.0
239.933	23.94	-22.06	46.00	30.59	11.33	1.42	19.40	171.8	1.0
262.805	26.47	-19.53	46.00	30.16	14.79	1.56	20.04	176.4	1.0
300.365	26.97	-19.03	46.00	32.56	13.01	1.70	20.30	173.2	1.1
321.580	27.68	-18.32	46.00	32.43	13.62	1.75	20.12	179.5	1.1
498.467	29.11	-16.89	46.00	29.66	17.55	2.30	20.40	176.2	1.1

Note :

1. Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor
2. Over Limit = Level – Limit Line

Model No. : CK101 + CKM001 + PC SYSTEM
Frequency range : 30MHz to 1GHz Detector : Quasi-Peak Value
Frequency range : above 1GHz Detector : Quasi-Peak/Average Value
Temperature : 34 ° C Humidity : 30 %
MEMO : TX ON

Antenna polarization : HORIZONTAL ; Test distance : 3m ;

Freq. (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dB)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Azimuth (° angle)	Antenna High(m)
27.248	59.98	-20.02	80.00	56.90	22.20	0.88	20.00	217.3	4.0
37.101	26.58	-13.42	40.00	29.40	17.08	0.19	20.09	219.3	4.0
121.308	24.87	-18.63	43.50	32.10	11.94	0.70	19.87	217.4	4.0
144.999	24.57	-18.93	43.50	33.02	10.35	0.90	19.70	213.5	4.0
169.567	25.77	-17.73	43.50	35.37	9.13	1.00	19.73	216.9	4.0
234.999	25.40	-20.60	46.00	33.27	10.65	1.38	19.90	215.2	4.0
240.705	26.73	-19.27	46.00	33.39	11.41	1.43	19.50	217.3	4.0
261.755	27.51	-18.49	46.00	31.34	14.60	1.55	19.98	210.8	4.0
321.583	26.60	-19.40	46.00	31.35	13.62	1.75	20.12	211.9	3.8
440.062	26.87	-19.13	46.00	28.57	16.56	2.07	20.33	215.4	3.8
498.918	28.85	-17.15	46.00	29.40	17.55	2.30	20.40	218.2	3.9

Note :

1. Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor
2. Over Limit = Level – Limit Line

Model No. **CK101 + CKM001 + PC SYSTEM**
Frequency range **: 30MHz to 1GHz** **Detector** **: Quasi-Peak Value**
Frequency range **: above 1GHz** **Detector** **: Quasi-Peak/Average Value**
Temperature **: 25 ° C** **Humidity** **: 70 %**
MEMO **: TX ON**

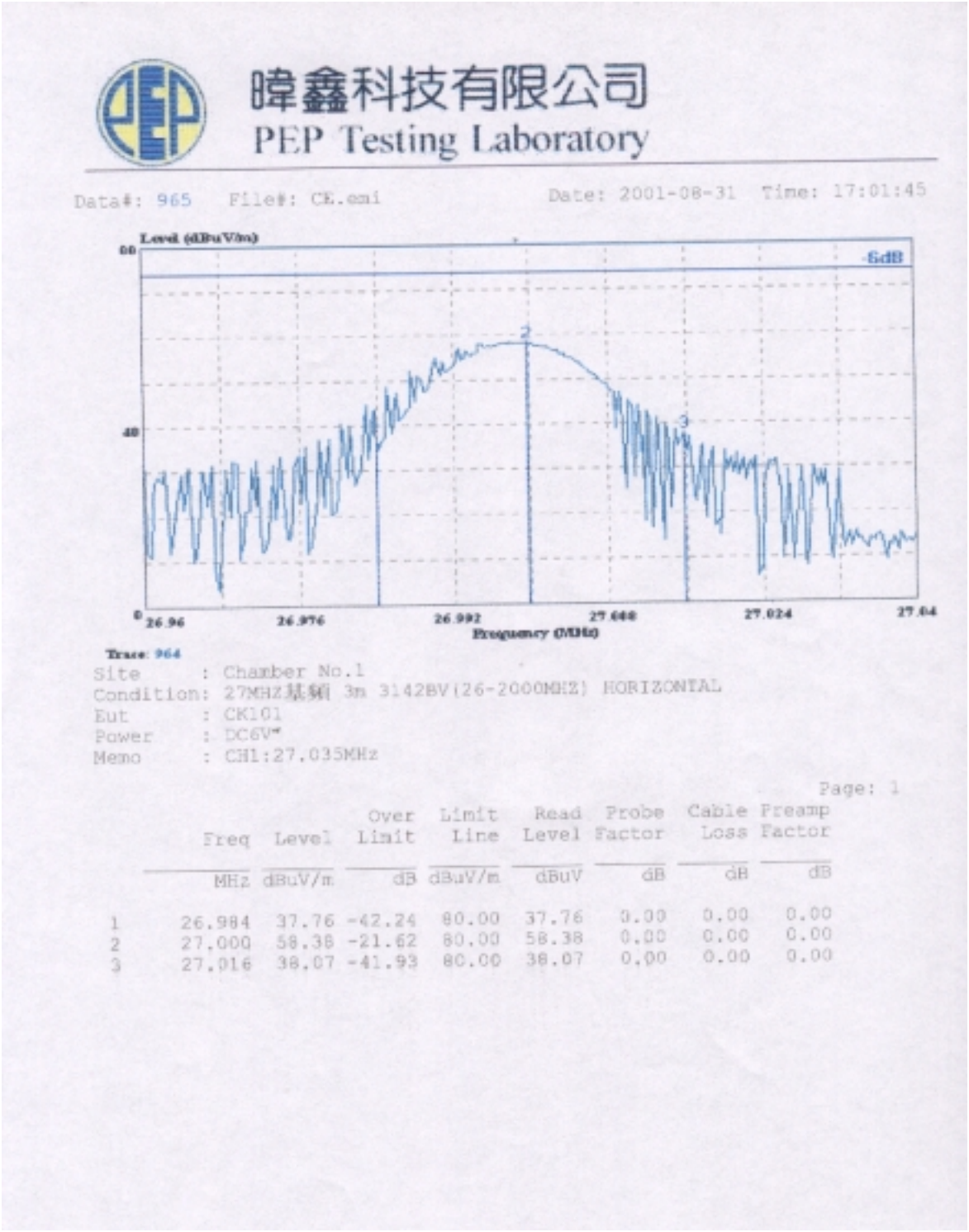
Antenna polarization : VERTICAL ; Test distance : 3m ;

Freq. (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dB)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Azimuth (° angle)	Antenna High(m)
27.248	54.55	-24.55	80.00	51.47	22.20	0.88	20.00	211.2	1.0
37.101	28.76	-11.24	40.00	31.58	17.08	0.19	20.09	216.3	1.0
64.841	25.76	-14.24	40.00	40.11	5.05	0.50	19.90	217.8	1.0
121.308	23.14	-20.36	43.50	30.37	11.94	0.70	19.87	211.6	1.0
144.988	25.55	-17.95	43.50	34.00	10.35	0.90	19.70	210.9	1.0
169.566	25.15	-18.35	43.50	34.75	9.13	1.00	19.73	215.2	1.0
234.998	26.60	-19.40	46.00	34.47	10.65	1.38	19.90	213.8	1.0
240.705	24.39	-21.61	46.00	31.05	11.41	1.43	19.50	211.4	1.0
440.065	28.40	-17.60	46.00	30.10	16.56	2.07	20.33	213.7	1.1
484.492	27.62	-18.38	46.00	28.62	16.92	2.24	20.16	215.9	1.1
498.917	28.44	-17.56	46.00	28.99	17.55	2.30	20.40	216.3	1.1

Note :

1. Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor
2. Over Limit = Level – Limit Line

13. Occupied Bandwidth Plot Data



	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB
1	26.984	37.76	-42.24	80.00	37.76	0.00	0.00	0.00
2	27.000	58.38	-21.62	80.00	58.38	0.00	0.00	0.00
3	27.016	38.07	-41.93	80.00	38.07	0.00	0.00	0.00

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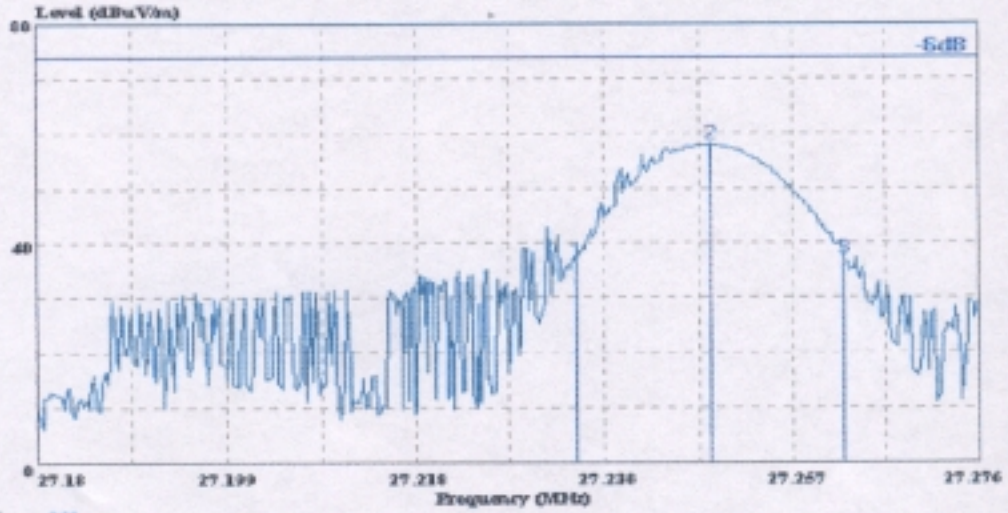
Data#: 963 File#: CE.emi Date: 2001-08-31 Time: 16:50:12



Trace: 962
Site : Chamber No.1
Condition: 27MHZ基板 3m 3142BV(26-2000MHZ) HORIZONTAL
Eut : CK101
Power : DC 6V
Memo : CH2:27.205MHz

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	Freq	Level	Over Limit	Limit Line	Read Level	Probe Factor	Cable Loss	Preamp Factor
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB
1	27.235	37.03	-42.97	80.00	37.03	0.00	0.00	0.00
2	27.249	58.11	-21.89	80.00	58.11	0.00	0.00	0.00
3	27.262	37.23	-42.77	80.00	37.23	0.00	0.00	0.00

14. List of Measured Instruments

Test Mode	Instrument	Model No.	Serial No.	Next Cal. Date	Cal. Interval	Measurement Uncertainty
Conduction (No.1)	R & S Receiver	ESHS10	830223/008	Nov. 14, 2001	1Year	
	Rolf Heine LISN	NNB-4/63TL	98008	Aug. 28, 2002	1Year	
	R & S LISN	ESH3-Z5	844982/039	Jul. 25, 2002	1Year	
	Spectrum Analyzer	R3261A	91720076	May 03, 2002	1Year	
	RF Cable	Rg400	N/A	Jul. 08, 2002	1Year	
	Schaffner ISN	T411	N/A	Jul. 01, 2002	1Year	
Radiation (OP No.1)	R & S Receiver	ESVS30	863342/012	May 07,2002	1Year	
	Anritsu Pre-Amp.	MH648A	M15080	Apr. 10, 2002	1Year	
	R & S Pre-Amp.	ESMI-Z7	612278/011	Aug. 02, 2002	1Year	
	Schaffner Antenna	CBL6112B (30MHZ-2GHZ)	2655	Jul. 27, 2002	1Year	
	COM-Power Horn Ant.	AH-118 (1GHZ-18GHZ)	10095	Aug. 24, 2002	1Year	
	EMCO RF Cable	175series	NO. 1	Apr. 10, 2002	1Year	
	Schwarzbeck Precision Dipole Ant	VHAP (30MHZ-1GHZ)	970 + 971 953 + 954	Jun. 27, 2003	3Year	
	R &S Signal Generator	SMY01	841104/037	Aug. 26, 2002	1Year	
	RF Cable	No. 1	N/A	Jul. 26, 2002	1Year	
	EMCD ANTENNA	3142B (26MHZ-2GHZ)	9904-1307	Jul. 01 2002	1Year	

15. Duties of The Responsible Party

The responsible party upon signing or accepting the Declaration of Conformity as specified in Section 2.906 of the FCC Rules hereby agrees to the duties listed below.

§ 2.1073(a).
The responsible party warrants that each unit of equipment marketed under DoC is identical to the unit tested and found acceptable with the standards and that the records maintained by the responsible party continue to reflect the equipment being produced is within the variation that can be expected due to quantity production and testing on a statistical bass.

§ 2.1073(b).
The responsible party must have a written statement from the manufacturer or accredited test laboratory that the equipment complies with the appropriate technical standards.

§ 2.1073(c).
In case of transfer of control of equipment, as in the case of sale or merger, the new responsible party shall bear the responsibility of continued compliance of the equipment.

§ 2.1073(d).
Equipment shall be retested if any modifications or changes are made that could adversely affect the emanation characteristics of the equipment.

§ 2.1073(e).
If any modifications or changes made by anyone other than the responsible party, the party making the modifications of changes, if located within the U.S., becomes the new responsible part. The new responsible party must comply with all provisions for the DoC, including having test data on file demonstrating that the product continues to comply with all of the applicable technical standards.

§ 2.1075(a)(1).
The responsible party shall maintain records of the original design drawings and specifications and all changes made to the product that may affect compliance.

§ 2.1075(a)(2).
The responsible party shall maintain records of the procedures used for production inspection and testing to insure the conformance with the FCC Rules.

§ 2.946(a)(1).
The test report data shall be provided to the FCC within 14 days of delivery of request. The test sample(s) shall be provided within 60 days of delivery of request.

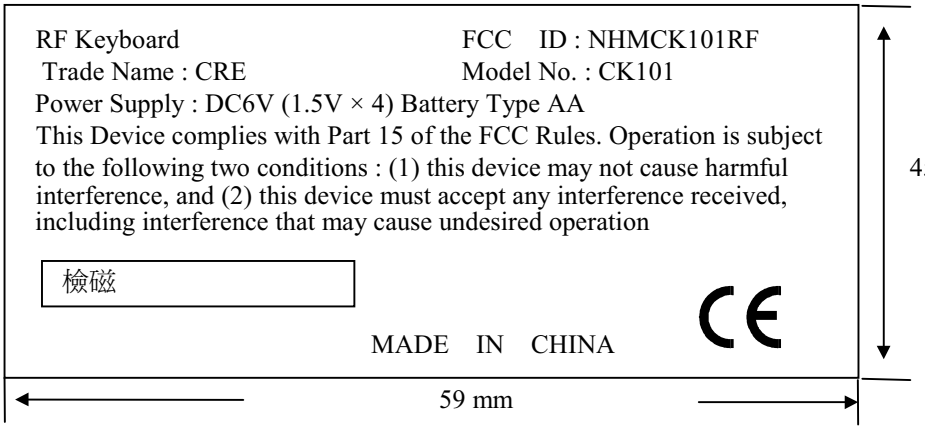
§ 2.946(b)
In case involving harmful interference or safety of life or property, the production sample must be provided within 60 days, but not less than 14 days. Failure to comply with such a request with the time frame shown may be cause for forfeiture, pursuant to Section 1.80 of Part 1 of the FCC Rules.

**The Responsible Party is the manufacturer, system integrator, or the importer as defined in Section 2.909 of the FCC Rules. The Rules. The Responsible Party for a DoC must be located within the United States as specified in Section 2.1077.*

16. FCC ID Label Sample

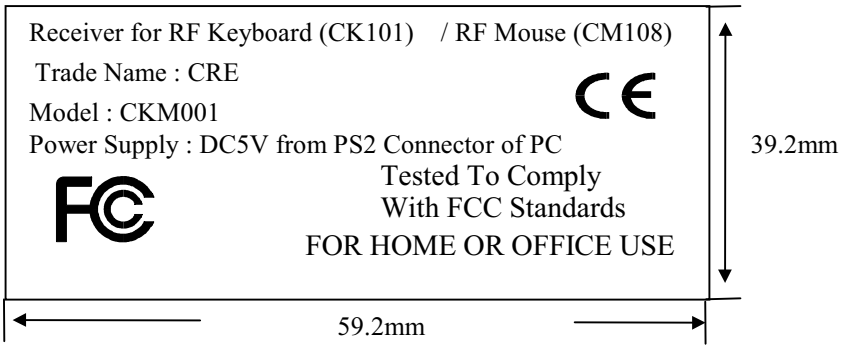
The sample label shown below shall be permanently affixed at a conspicuous location on the device, instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase. However, when the device is so small wherein placement of the label with specified statement is not practicable, only the trade name, model number, and the FCC logo must be displayed on the device per Section § 15.19 (b)(2).

EUT Label (A)



FCC ID Label Format for EUT TX Model CK101

EUT Label (B)



DoC ID Label Format for EUT RX Model CKM001

17. Information To The User

For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

Federal Communications Commission (FCC) Statement

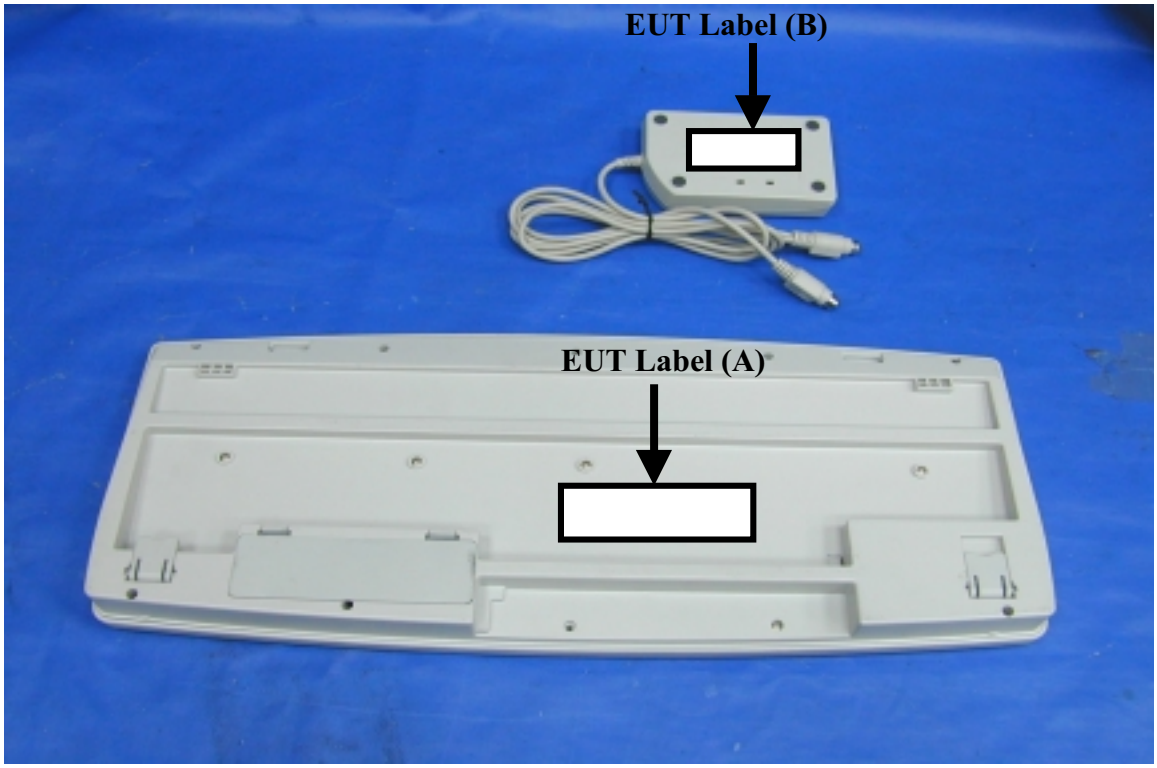
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver .
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected .
- Consult the dealer or an experienced radio / TV technician for help .

18. EUT External Photo

PHOTO. 1. EUT (TX + RX) TOP VIEW

PHOTO. 2. EUT (TX + RX) BOTTOM VIEW



18. EUT Internal Photo

PHOTO. 3. EUT (TX Model CK101) INSIDE VIEW

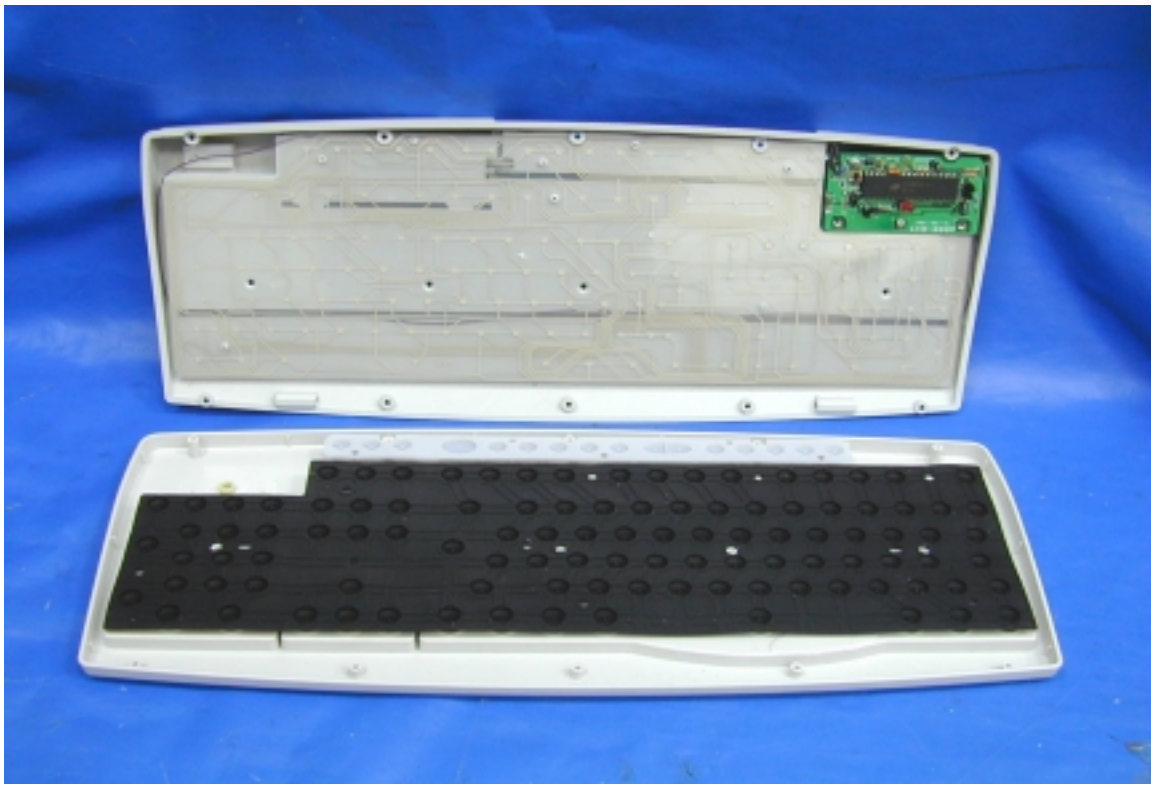
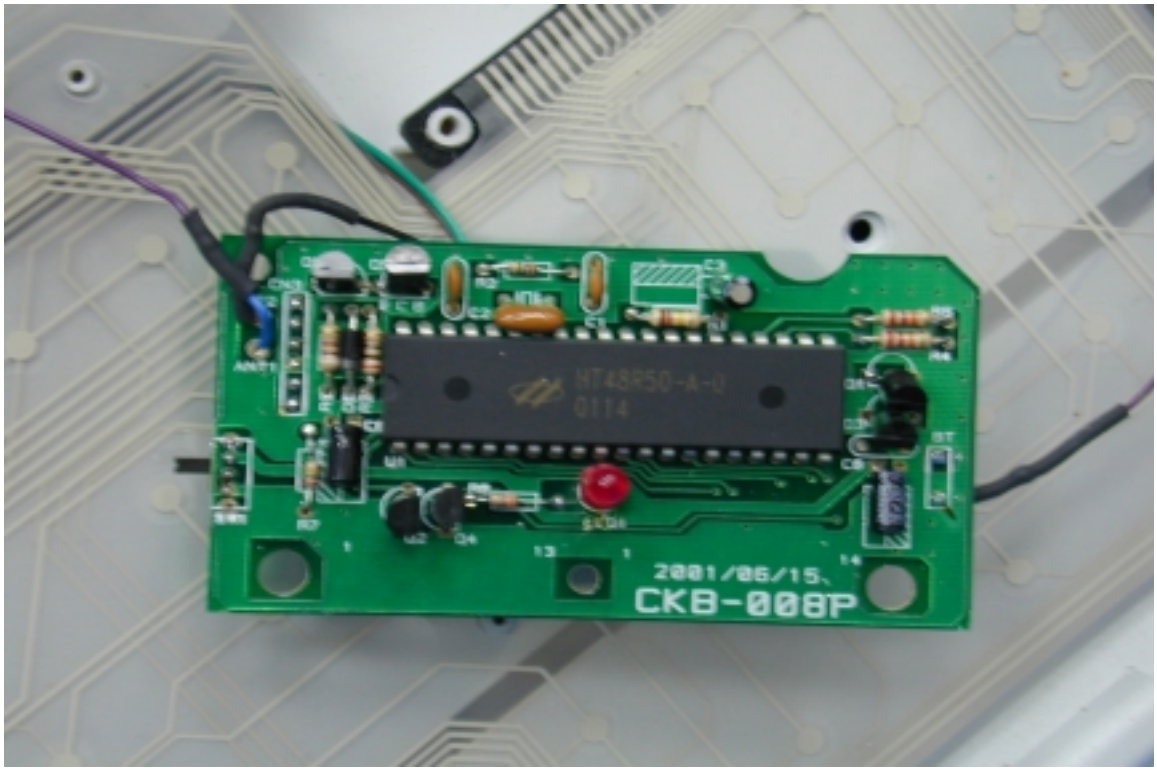


PHOTO. 4. EUT (TX Model CK101) COMPONENT SIDE VIEW



18. EUT Internal Photo

PHOTO. 5. EUT (TX Model CK101) SOLDERING SIDE VIEW

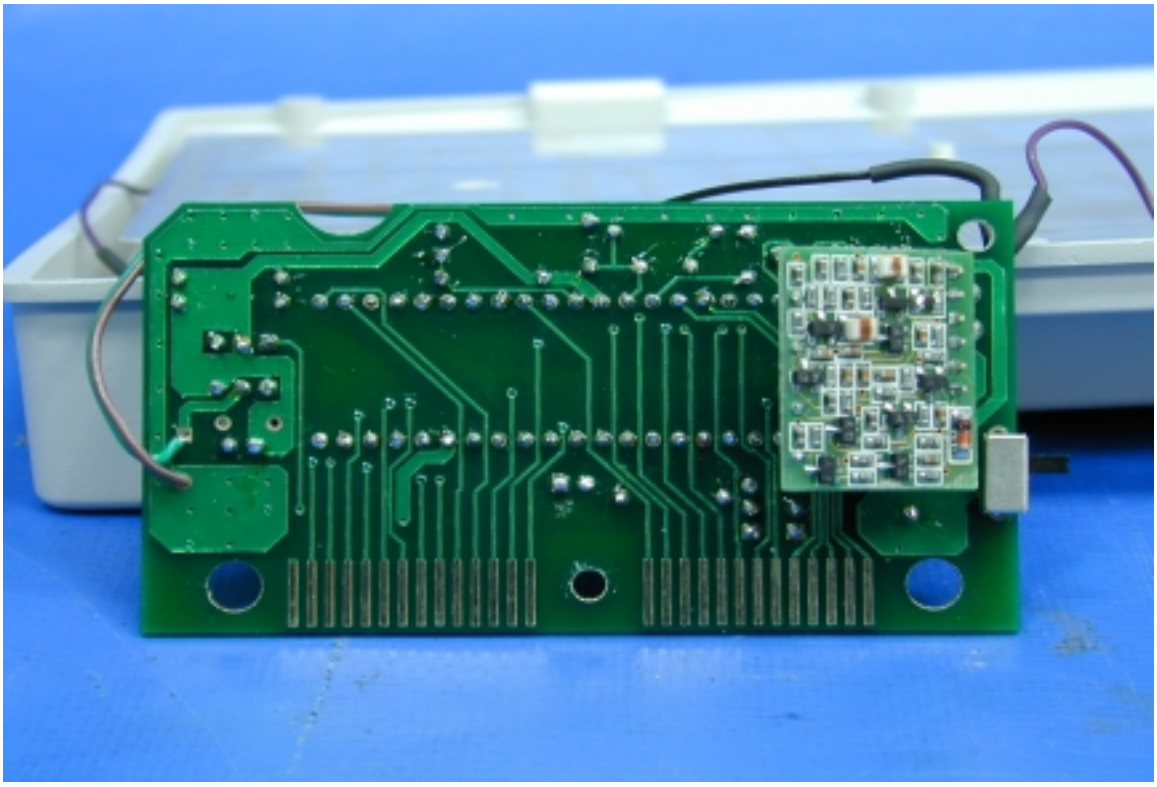
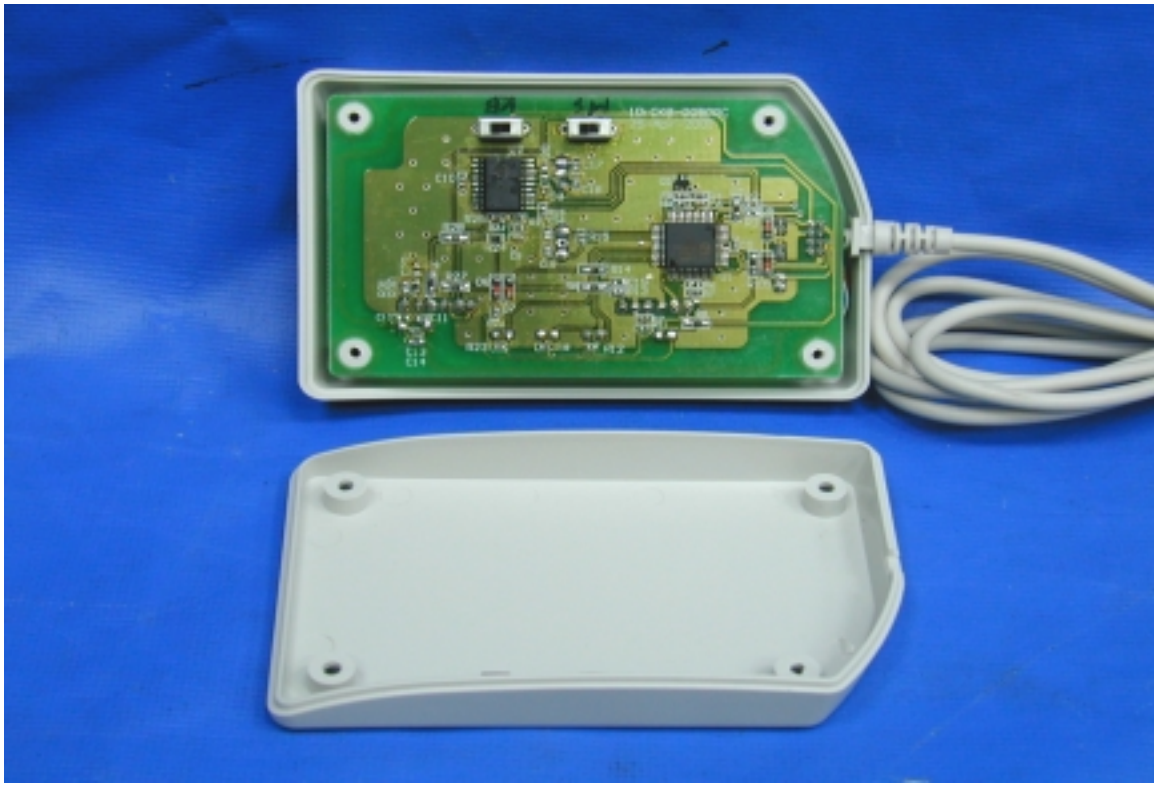
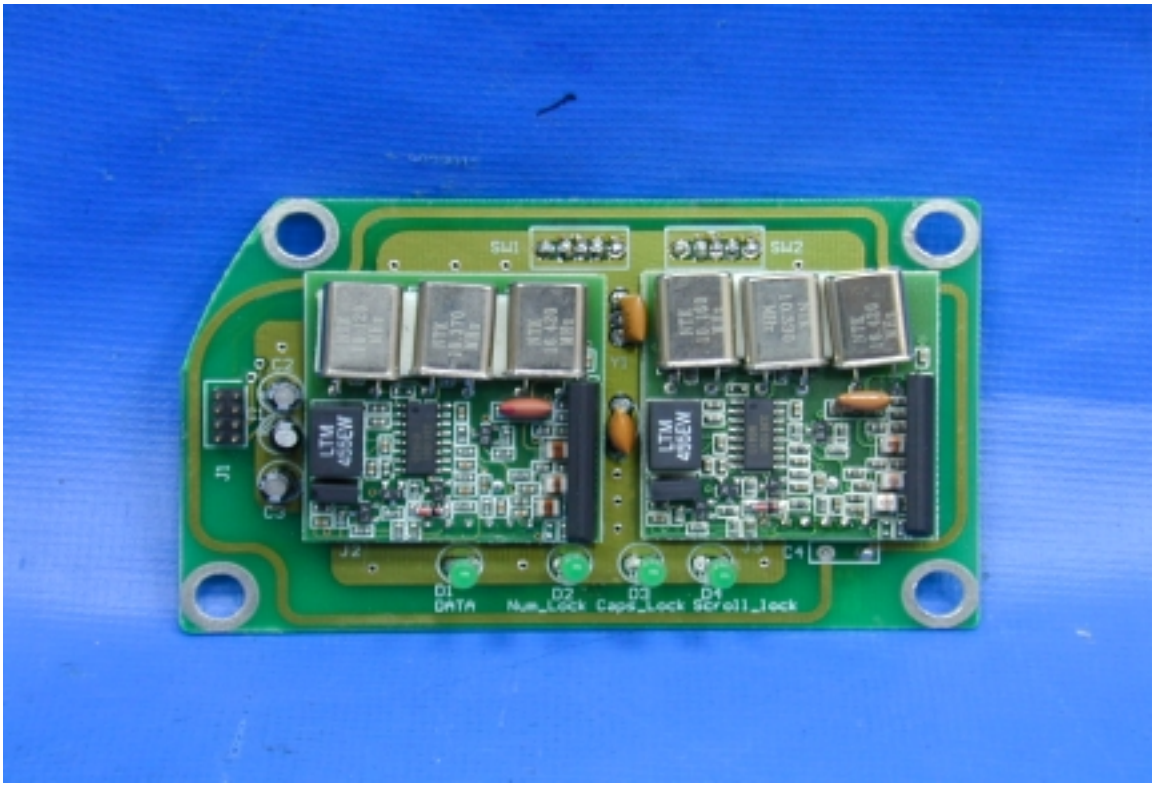


PHOTO. 6. EUT (RX Model CKM001) SOLDERING SIDE VIEW



18. EUT Internal Photo

PHOTO. 7. EUT (RX Model CKM001) COMPONENT SIDE VIEW



VERIFICATION OF CONFORMITY FOR FCC ID

Applicant Name :	CRE TECHNOLOGY CO., LTD.
Address :	7F, NO. 22, WU-CHUAN 7TH ROAD, WU-KU INDUSTRIAL PARK, TAIPEI, TAIWAN, R. O. C.
Contact Person :	AARON PENG / ELECTRONIC ENGINEER
EUT Type :	RF Keyboard
TX Model No.:	CK101
TX FCC ID:	NHMCK101RF
RX Model No.:	CKM001
RX FCC ID:	N/A
Regulation:	FCC Parts 2 and 15; Docket 95-19
Limitation:	Comply with Section 15.227, Class B
Date of issued:	Sep. 03, 2001
Report No.:	E900520

The device bearing the trade name and model specified above has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-1992. (See Test Report if any modifications were made for compliance.)

PEP declare that no party to this application has been denied the NVLAP benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. 853(a).

Peter Kao

NVLAP LAB CODE:200097-0

Peter Kao/NVLAP Signatory

DECLARATION OF CONFORMITY

EUT Receiver Model: CKM001

To be used for TX Model: 1) CM108, RF Mouse
2) CK101, RF Keyboard

Responsible Party: CRE TECHNOLOGY CO., LTD.

Address: 7F, NO. 22, WU-CHUAN 7TH ROAD, WU-KU INDUSTRIAL PARK, TAIPEI, TAIWAN, R. O. C.

Contact Person: AARON PENG / ELECTRONIC ENGINEER

Tel. No.: 886-2-29148001 Fax No.: 886-2-29147975

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired

We hereby declare that the equipment bearing the trade name and model number specified above was tested conforming to the applicable FCC Rules under the most accurate measurement standards possible, and that all the necessary steps have been taken and are in force to assure that production units of the same equipment will continue to comply with the Commission's requirements.

FC

Signature Date