FCC TEST REPORT

REPORT NO.: RF940504L01
MODEL NO.: R-RE9
RECEIVED: May 04, 2005
TESTED: May 10 ~ May 16, 2005
ISSUED: May 16, 2005

APPLICANT: Paten Wireless Technology Inc.

ADDRESS: 8F, No.407 Rueiguang Rd., Neihu, Taipei 114, Taiwan, R.O.C.

ISSUED BY: Advance Data Technology Corporation

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou Hsiang 244, Taipei Hsien, Taiwan, R.O.C.

TEST LOCATION: No. 19, Hwa Ya 2nd Rd., Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

ACCREDITED
No. 2177-01

CNLA
0528
ILAC MRA

Table of Contents

1 CERTIFICATION

PRODUCT :	2.4GHz Notebook Presenter
MODEL NO. :	R-RE9
BRAND NAME :	Labtec
APPLICANT :	Paten Wireless Technology Inc.
TESTED :	May 10 ~ May 16, 2005
TEST SAMPLE :	ENGINEERING SAMPLE
STANDARDS :	FCC Part 15, Subpart C (Section 15.249) ANSI C63.4-2003

The above equipment has been tested by **Advance Data Technology Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Wendy Liao , **DATE:** May 16, 2005
(Wendy Liao)

TECHNICAL ACCEPTANCE : Gary Chang , **DATE:** May 16, 2005
Responsible for RF (Gary Chang)

APPROVED BY : , **DATE:** May 16, 2005
(Cody Chang,
Deputy Manager)

2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15, Subpart C (Section 15.249)			
STANDARD PARAGRAPH	**TEST TYPE**	**RESULT**	**REMARK**
15.207	Conducted Emission Test	NA	Power supply is 3Vdc from batteries
15.209 15.249 15.249 (d)	Radiated Emission Test Band Edge Measurement Limit: 50dB less than the peak value of fundamental frequency or meet radiated emission limit in section 12.209	PASS	Minimum passing margin is -1.40dB at 7361.00MHz

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	3.73 dB
	200MHz ~1000MHz	3.74 dB
	1GHz ~ 18GHz	2.20 dB
	18GHz ~ 40GHz	1.88 dB

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	2.4GHz Notebook Presenter
MODEL NO.	R-RE9
POWER SUPPLY	3Vdc from batteries
MODULATION TYPE	FSK
FREQUENCY RANGE	2453.7 ~ 2480.3MHz
NUMBER OF CHANNEL	8
ANTENNA TYPE	Print antenna with 3.98dBi gain
DATA CABLE	NA
I/O PORTS	NA
ASSOCIATED DEVICES	NA

NOTE:

1. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

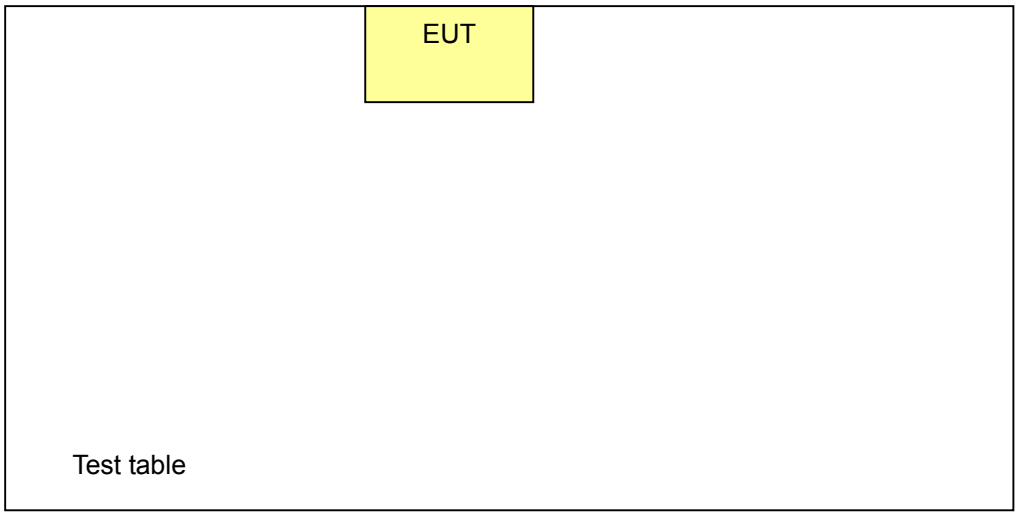
3.2 DESCRIPTION OF TEST MODES

Operated in 2453.7 ~ 2480.3MHz Band:

8 channels for 2.4GHz were provided to this EUT

Channel	Frequency (MHz)
1	2480.3 MHz
2	2476.5 MHz
3	2472.7 MHz
4	2468.9 MHz
5	2465.1 MHz
6	2461.3 MHz
7	2457.5 MHz
8	2453.7 MHz

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST



3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL:

EUT configure mode	Applicable to				Description
	PLC	RE<1G	RE≥1G	APCM	
-	-	v	v	v	NA

Where PLC: Power Line Conducted Emission RE<1G RE: Radiated Emission below 1GHz
RE≥1G: Radiated Emission above 1GHz APCM: Antenna Port Conducted Measurement

Radiated Emission Test (Below 1 GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, packet types and XYZ Axis.

☒ Following channel(s) was (were) selected for the final test as listed below.

Available Channel	Tested Channel	Modulation Type	Axis
1 to 8	8	FSK	z

Radiated Emission Test (Above 1 GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, packet types and XYZ Axis.

☒ Following channel(s) was (were) selected for the final test as listed below.

Available Channel	Tested Channel	Modulation Type	Axis
1 to 8	1, 4, 8	FSK	z

Bandedge Measurement:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, packet types.

☒ Following channel(s) was (were) selected for the final test as listed below.

Available Channel	Tested Channel	Modulation Type
1 to 8	1, 8	FSK

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a 2.4GHz Notebook Presenter. According to the specifications of the manufacturer, it must complies with the requirements of the following standards:

FCC Part 15, Subpart C (Section 15.249)
ANSI C63.4-2003

All test items have been performed and recorded as per the above standards.

NOTE: The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	NA	NA	NA	NA	NA

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA

NOTE: All power cords of the above support units are non shielded (1.8m).

4 TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

NA

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequencies (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESIB7	100188	Dec. 19, 2005
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Nov. 21, 2005
BILOG Antenna SCHWARZBECK	VULB9168	9168-157	Jan. 22, 2006
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-407	Jan. 16, 2006
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA 9170241	Feb. 23, 2006
Preamplifier Agilent	8449B	3008A01961	Nov. 09, 2005
Preamplifier Agilent	8447D	2944A10629	Nov. 09, 2005
RF signal cable HUBER+SUHNER	SUCOFLEX 104	218182/4	Feb. 17, 2006
RF signal cable HUBER+SUHNER	SUCOFLEX 104	218194/4	Feb. 17, 2006
Software ADT.	ADT_Radiated_V5.14	NA	NA
Antenna Tower ADT.	AT100	AT93021702	NA
Turn Table ADT.	TT100.	TT93021702	NA
Controller ADT.	SC100.	SC93021702	NA

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Chamber 1.

3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.

4. The IC Site Registration No. is IC4924-2.

4.2.3 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

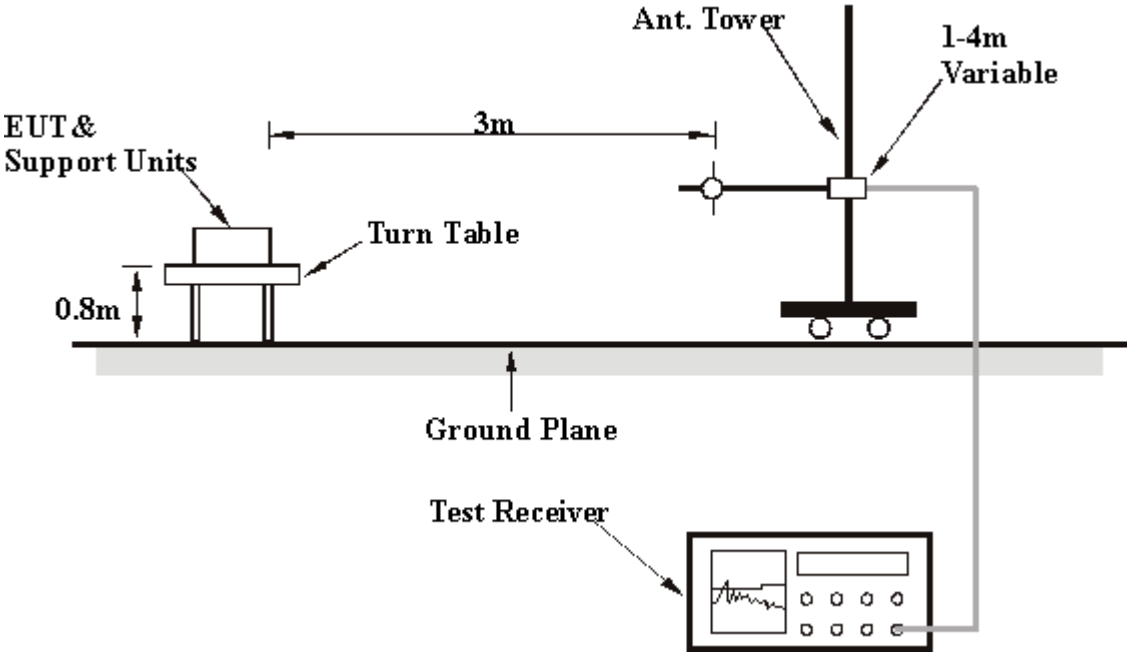
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection at frequency above 1GHz.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation

4.2.5 TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.2.6 EUT OPERATING CONDITIONS

The EUT has been placed on the table. Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.

4.2.7 TEST RESULTS

Below 1GHz Worst-Case Data

EUT	2.4GHz Notebook Presenter	**MEASUREMENT DETAIL**	
MODEL	R-RE9	**FREQUENCY RANGE**	Below 1000MHz
CHANNEL	Channel 8	**DETECTOR FUNCTION**	Quasi-Peak
MODULATION TYPE	FSK	**ENVIRONMENTAL CONDITIONS**	25deg. C, 64%RH, 991hPa
TESTED BY	Match Tsui	**INPUT POWER (SYSTEM)**	120Vac, 60 Hz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	21.60 QP	40.00	-18.40	1.00 H	166	7.92	13.68
2	82.48	15.08 QP	40.00	-24.92	1.00 H	97	5.28	9.80
3	136.91	16.36 QP	43.50	-27.14	1.50 H	232	2.37	13.99
4	193.29	14.45 QP	43.50	-29.05	1.25 H	331	2.79	11.66
5	770.62	23.24 QP	46.00	-22.76	1.50 H	10	-0.29	23.53
6	817.27	22.71 QP	46.00	-23.29	1.50 H	25	-1.14	23.85
7	871.70	23.13 QP	46.00	-22.87	1.00 H	328	-1.42	24.55
8	916.41	24.35 QP	46.00	-21.65	1.25 H	235	-0.92	25.27
9	947.52	24.04 QP	46.00	-21.96	1.50 H	304	-1.54	25.59

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	18.87 QP	40.00	-21.13	1.75 V	109	5.20	13.68
2	82.48	14.35 QP	40.00	-25.65	1.25 V	79	4.55	9.80
3	136.91	16.96 QP	43.50	-26.54	1.50 V	280	2.97	13.99
4	193.29	15.23 QP	43.50	-28.27	1.50 V	295	3.57	11.66
5	805.61	23.44 QP	46.00	-22.56	1.75 V	76	-0.31	23.75
6	844.49	23.49 QP	46.00	-22.51	1.25 V	10	-0.58	24.07
7	881.42	23.26 QP	46.00	-22.74	1.25 V	58	-1.48	24.74
8	914.47	24.94 QP	46.00	-21.06	1.50 V	163	-0.31	25.25
9	949.46	23.93 QP	46.00	-22.07	1.50 V	16	-1.68	25.61

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

1 ~ 25GHz Worst-Case Data

EUT	2.4GHz Notebook Presenter	**MEASUREMENT DETAIL**	
MODEL	R-RE9	**FREQUENCY RANGE**	1~25 GHz
CHANNEL	Channel 8	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
MODULATION TYPE	FSK	**ENVIRONMENTAL CONDITIONS**	25deg. C, 64%RH, 991hPa
TESTED BY	Match Tsui	**INPUT POWER (SYSTEM)**	120Vac, 60 Hz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2453.70	91.21 PK	114.00	-22.79	1.74 H	299	59.97	31.24
1	*2453.70	90.69 AV	94.00	-3.31	1.74 H	299	59.45	31.24
2	4907.00	55.15 PK	74.00	-18.85	1.32 H	283	18.53	36.62
2	4907.00	51.33 AV	54.00	-2.67	1.32 H	283	14.71	36.62
3	7361.00	55.14 PK	74.00	-18.86	1.08 H	29	12.59	42.55
3	7361.00	47.87 AV	54.00	-6.13	1.08 H	29	5.32	42.55

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2453.70	93.47 PK	114.00	-20.53	1.04 V	76	62.23	31.24
1	*2453.70	91.52 AV	94.00	-2.48	1.04 V	76	60.28	31.24
2	4907.00	55.67 PK	74.00	-18.33	1.43 V	143	19.05	36.62
2	4907.00	52.07 AV	54.00	-1.93	1.43 V	143	15.45	36.62
3	7361.00	58.11 PK	74.00	-15.89	1.26 V	224	15.56	42.55
3	**7361.00**	**52.60 AV**	**54.00**	**-1.40**	**1.26 V**	**224**	**10.05**	**42.55**

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	2.4GHz Notebook Presenter	MEASUREMENT DETAIL	
MODEL	R-RE9	FREQUENCY RANGE	1~25 GHz
CHANNEL	Channel 4	DETECTOR FUNCTION	Peak(PK) Average (AV)
MODULATION TYPE	FSK	ENVIRONMENTAL CONDITIONS	25deg. C, 64%RH, 991hPa
TESTED BY	Match Tsui	INPUT POWER (SYSTEM)	120Vac, 60 Hz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2468.90	91.18 PK	114.00	-22.82	1.80 H	288	59.87	31.31
1	*2468.90	90.57 AV	94.00	-3.43	1.80 H	288	59.26	31.31
2	4937.50	53.58 PK	74.00	-20.42	1.50 H	180	16.89	36.69
2	4937.50	49.58 AV	54.00	-4.42	1.50 H	180	12.89	36.69
3	7406.70	55.79 PK	74.00	-18.21	1.69 H	121	13.16	42.63
3	7406.70	47.17 AV	54.00	-6.83	1.69 H	121	4.54	42.63

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2468.90	93.45 PK	114.00	-20.55	1.08 V	354	62.14	31.31
1	*2468.90	91.49 AV	94.00	-2.51	1.08 V	354	60.18	31.31
2	4937.70	53.85 PK	74.00	-20.15	1.14 V	357	17.16	36.69
2	4937.70	50.28 AV	54.00	-3.72	1.14 V	357	13.59	36.69
3	7406.70	57.55 PK	74.00	-16.45	1.12 V	1	14.92	42.63
3	7406.70	51.64 AV	54.00	-2.36	1.12 V	1	9.01	42.63

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

EUT	2.4GHz Notebook Presenter	**MEASUREMENT DETAIL**	
MODEL	R-RE9	**FREQUENCY RANGE**	1~25 GHz
CHANNEL	Channel 1	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
MODULATION TYPE	FSK	**ENVIRONMENTAL CONDITIONS**	25deg. C, 64%RH, 991hPa
TESTED BY	Match Tsui	**INPUT POWER (SYSTEM)**	120Vac, 60 Hz

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2480.30	91.30 PK	114.00	-22.70	1.25 H	255	59.94	31.36
1	*2480.30	90.78 AV	94.00	-3.22	1.25 H	255	59.42	31.36
2	2483.50	36.95 PK	74.00	-37.05	1.25 H	255	5.58	31.37
3	4961.00	53.29 PK	74.00	-20.71	1.35 H	258	16.54	36.75
3	4961.00	48.94 AV	54.00	-5.06	1.35 H	258	12.19	36.75
4	7441.00	55.48 PK	74.00	-18.52	1.15 H	121	12.79	42.69
4	7441.00	48.10 AV	54.00	-5.90	1.15 H	121	5.41	42.69

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2480.30	93.52 PK	114.00	-20.48	1.02 V	77	62.16	31.36
1	*2480.30	91.47 AV	94.00	-2.53	1.02 V	77	60.11	31.36
2	2483.50	38.95 PK	74.00	-35.05	1.02 V	77	7.58	31.37
3	4961.00	55.26 PK	74.00	-18.74	1.42 V	94	18.51	36.75
3	4961.00	50.86 AV	54.00	-3.14	1.42 V	94	14.11	36.75
4	7441.00	57.83 PK	74.00	-16.17	1.21 V	237	15.14	42.69
4	7441.00	52.04 AV	54.00	-1.96	1.21 V	237	9.35	42.69

REMARKS:
1. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * " : Fundamental frequency.

4.3 BAND EDGES MEASUREMENT

4.3.1 LIMITS OF BAND EDGES MEASUREMENT

Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

4.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
SPECTRUM ANALYZER	FSEK30	100049	Aug. 12, 2005

NOTE:
The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.3.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100 kHz with suitable frequency span including 100 MHz bandwidth from band edge. The band edges was measured and recorded.
The spectrum plots (Peak and Average RBW=VBW=100kHz) are attached on the following pages.

4.3.4 DEVIATION FROM TEST STANDARD

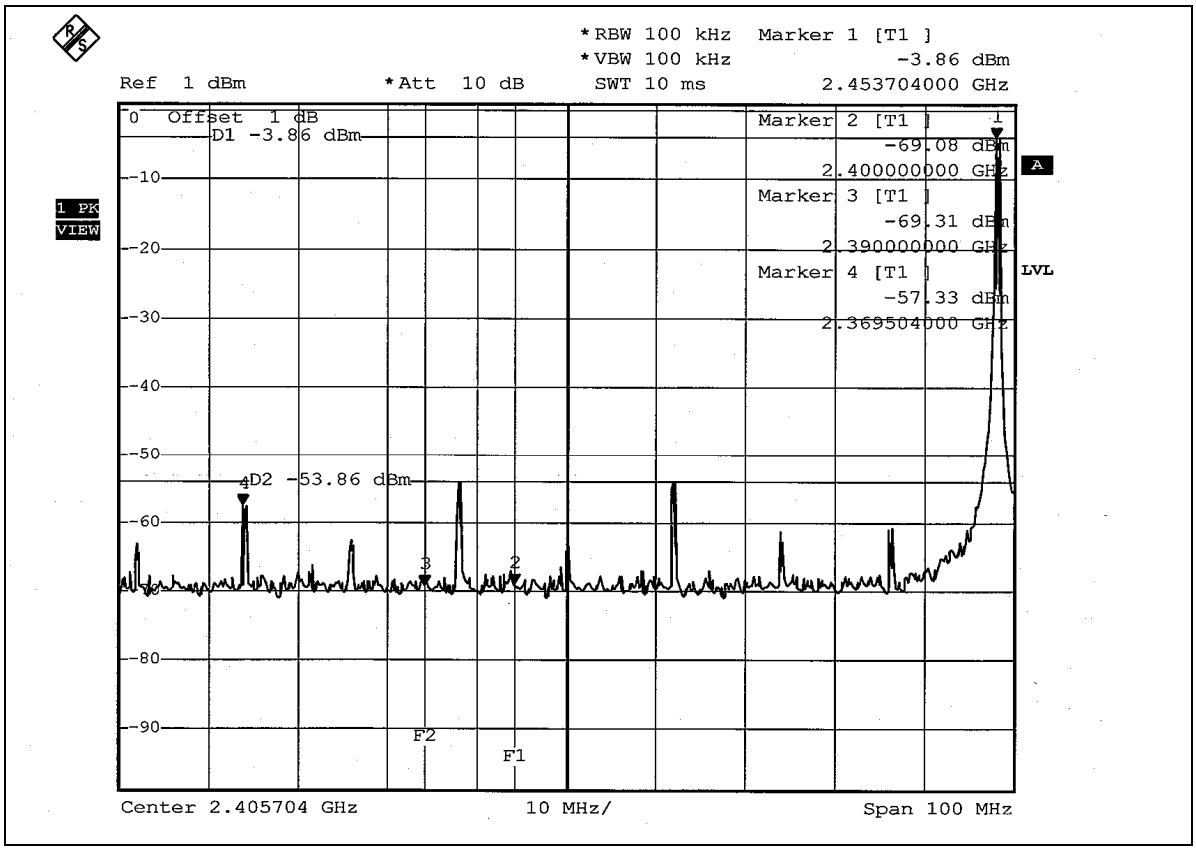
No deviation

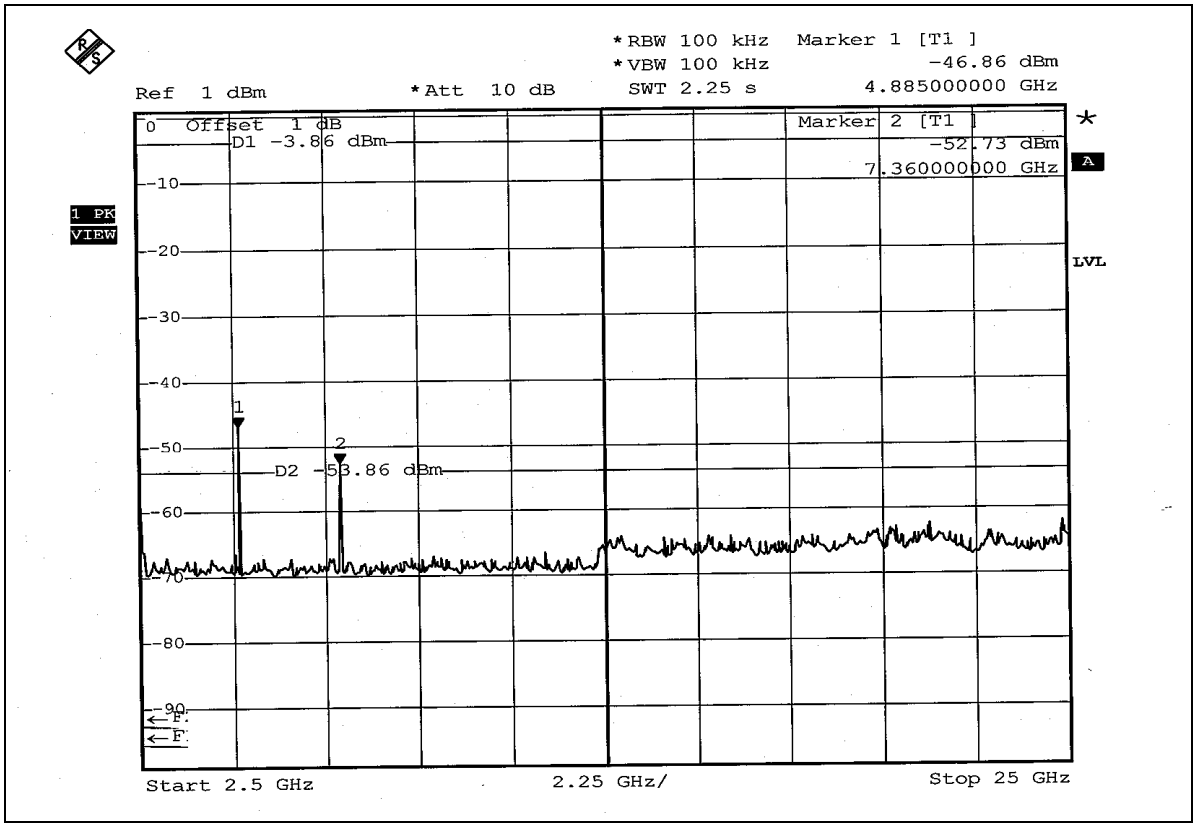
4.3.5 EUT OPERATING CONDITION

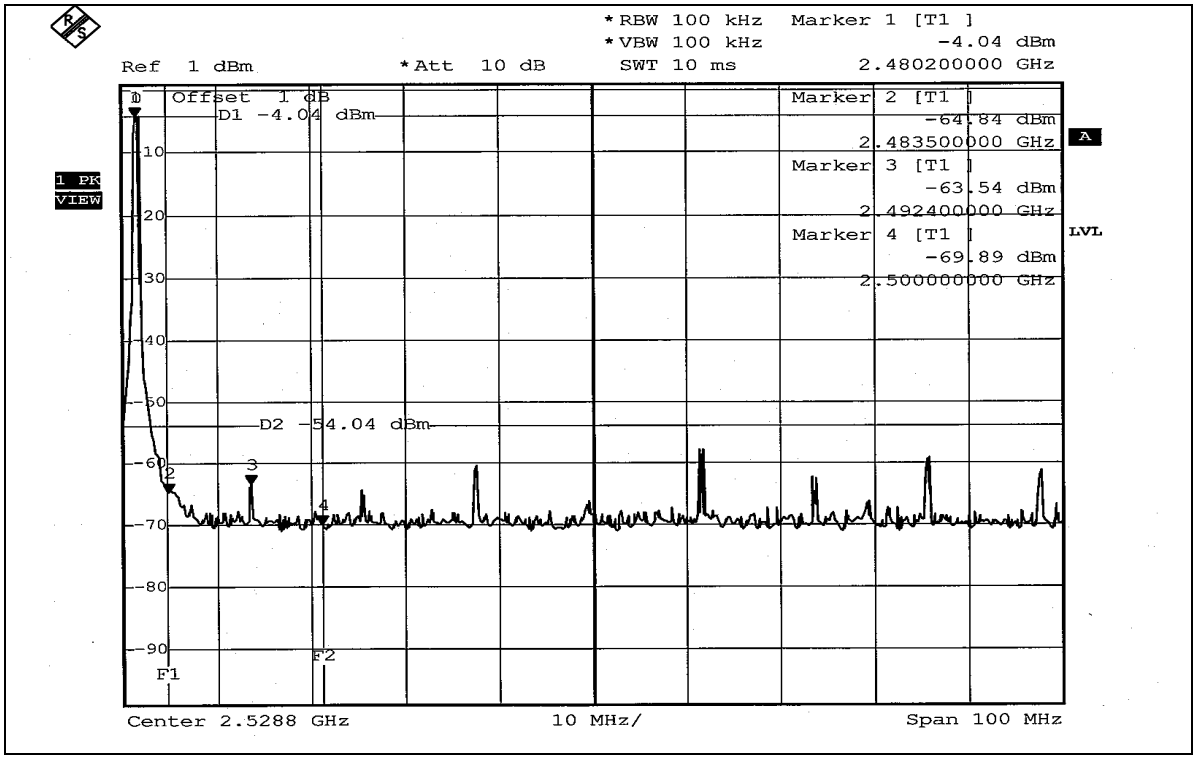
Same as Item 4.3.6

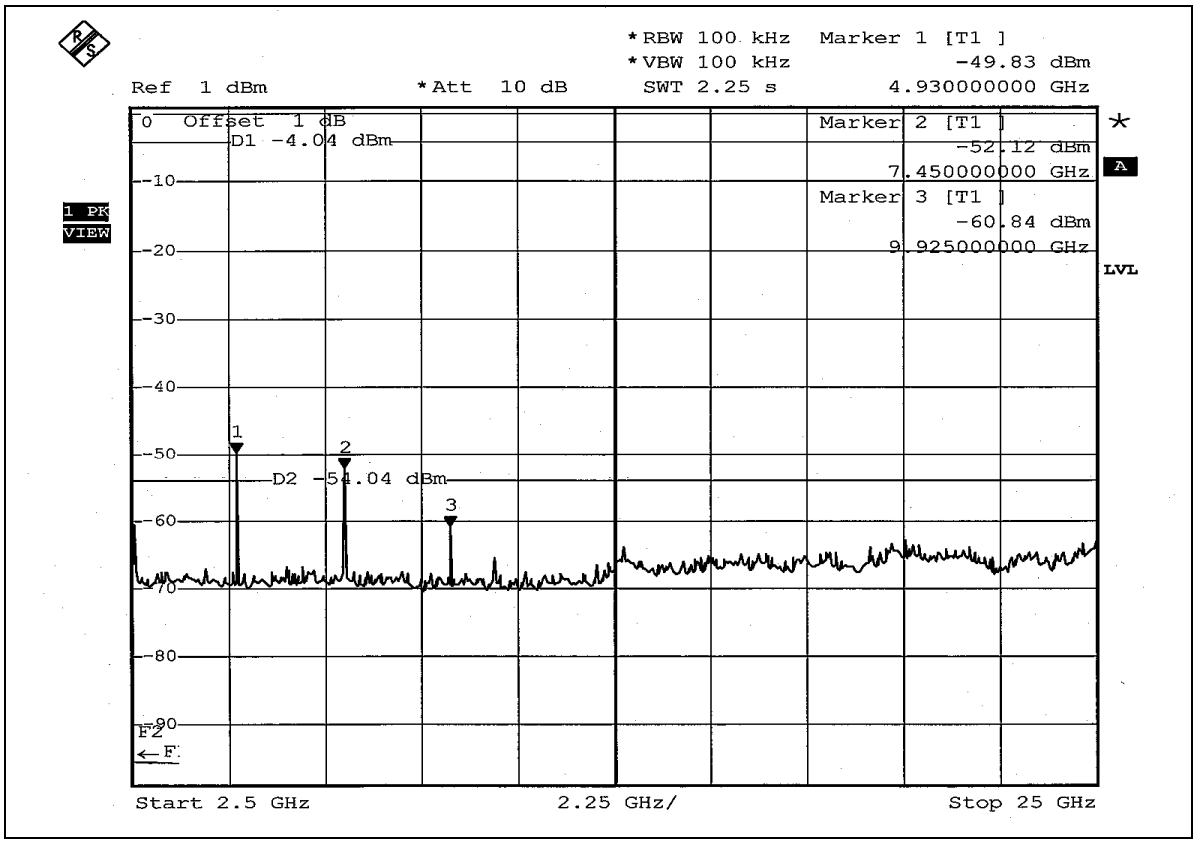
4.3.6 TEST RESULTS

The spectrum plots are attached on the following 4 images. D2 line indicates the highest level, and D1 line indicates the 50dB offset below D2. It shows compliance with the requirement in part 15.249 (d).


*RBW 100 kHz
*VBW 100 kHz
Marker 1 [T1]
-3.86 dBm
Ref 1 dBm
*Att 10 dB
SWT 10 ms
2.453704000 GHz
0 Offset 1 dB
D1 -3.86 dBm
Marker 2 [T1]
-69.08 dBm
2.400000000 GHz
Marker 3 [T1]
-69.31 dBm
2.390000000 GHz
Marker 4 [T1]
-57.33 dBm
2.369504000 GHz
1 PK
VIEW
A
LVL
D2 -53.86 dBm
F2
F1
Center 2.405704 GHz
10 MHz/
Span 100 MHz

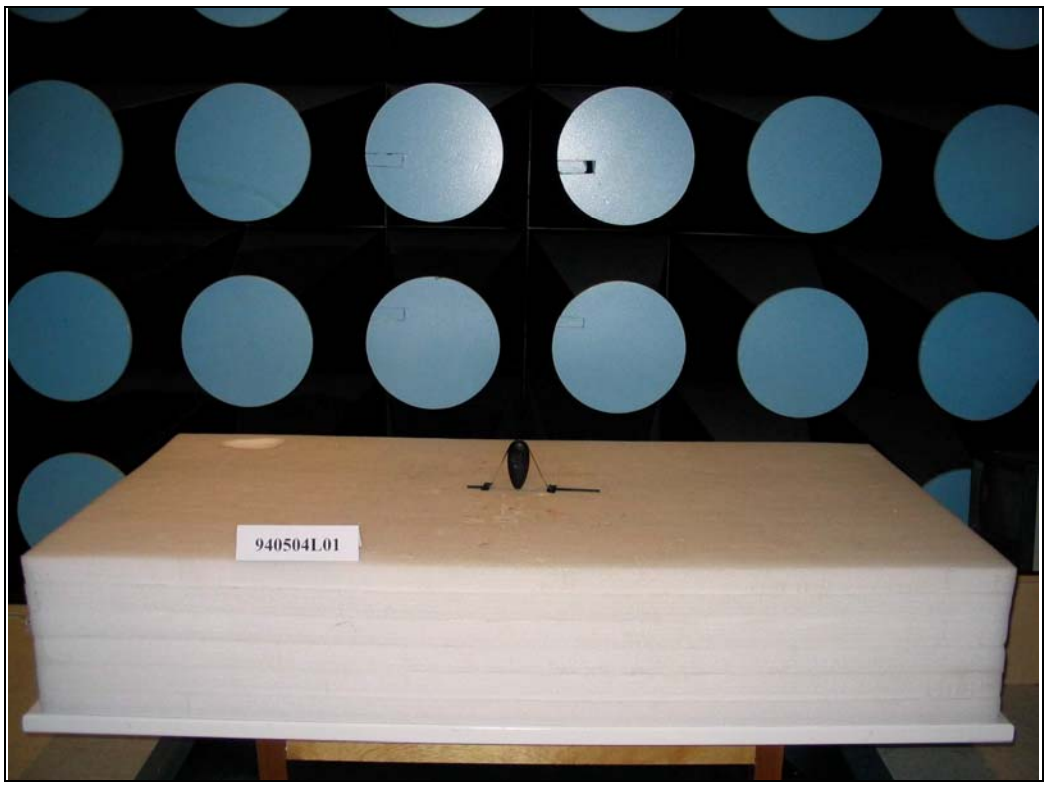

*RBW 100 kHz
*VBW 100 kHz
Marker 1 [T1]
-46.86 dBm
Ref 1 dBm
*Att 10 dB
SWT 2.25 s
4.885000000 GHz
0 Offset 1 dB
D1 -3.86 dBm
Marker 2 [T1]
-52.73 dBm
7.360000000 GHz
1 PK
VIEW
A
LVL
D2 -53.86 dBm
Start 2.5 GHz
2.25 GHz/
Stop 25 GHz

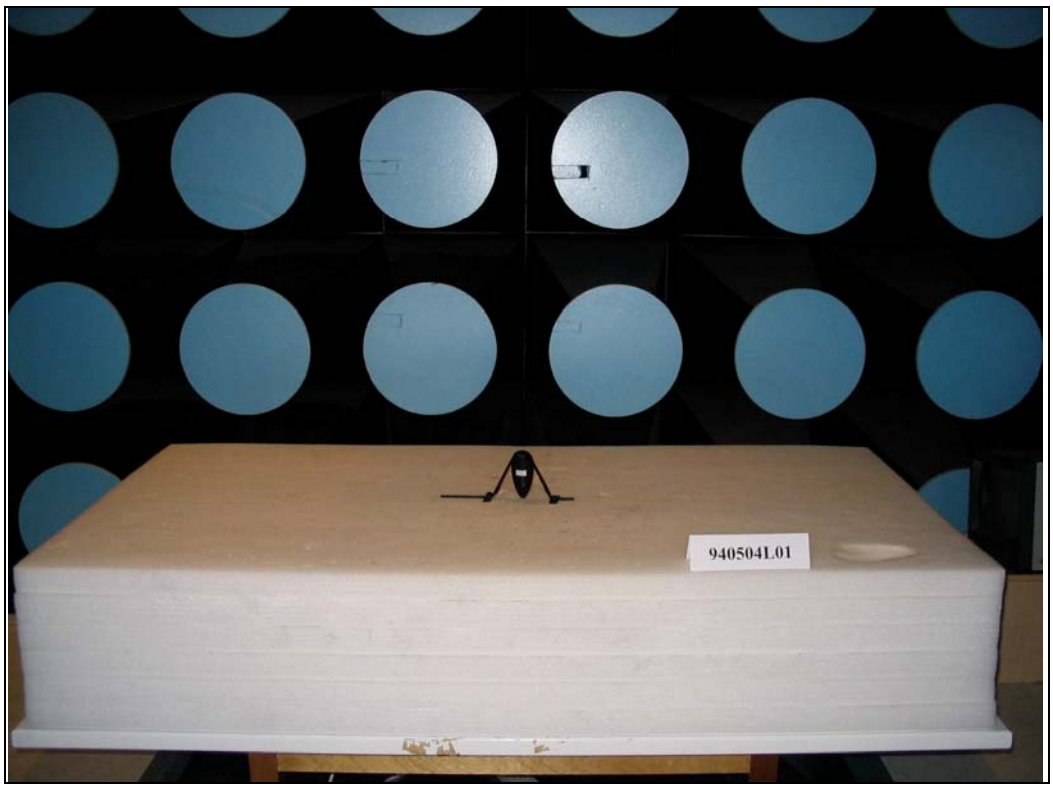

*RBW 100 kHz
*VBW 100 kHz
Ref 1 dBm
*Att 10 dB
SWT 10 ms
Marker 1 [T1]
-4.04 dBm
2.480200000 GHz
Offset 1 dB
D1 -4.04 dBm
Marker 2 [T1]
-64.84 dBm
2.483500000 GHz
Marker 3 [T1]
-63.54 dBm
2.492400000 GHz
Marker 4 [T1]
-69.89 dBm
2.500000000 GHz
1 PK
VIEW
A
LVL
D2 -54.04 dBm
F1
F2
Center 2.5288 GHz
10 MHz/
Span 100 MHz


*RBW 100 kHz
*VBW 100 kHz
Ref 1 dBm
*Att 10 dB
SWT 2.25 s
Marker 1 [T1]
-49.83 dBm
4.930000000 GHz
Offset 1 dB
D1 -4.04 dBm
Marker 2 [T1]
-52.12 dBm
7.450000000 GHz
Marker 3 [T1]
-60.84 dBm
9.925000000 GHz
1 PK
VIEW
A
LVL
D2 -54.04 dBm
F2
Start 2.5 GHz
2.25 GHz/
Stop 25 GHz

5 PHOTOGRAPHS OF THE TEST CONFIGURATION

RADIATED EMISSION TEST





6 INFORMATION ON THE TESTING LABORATORIES

We, ADT Corp., were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

USA	FCC, NVLAP, UL , A2LA
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA , CSA
R.O.C.	CNLA, BSMI, DGT
Netherlands	Telefication
Singapore	PSB , GOST-ASIA(MOU)
Russia	CERTIS(MOU)

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site: www.adt.com.tw/index.5/phtml. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:
Tel: 886-2-26052180
Fax: 886-2-26052943

Hsin Chu EMC/RF Lab:
Tel: 886-3-5935343
Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety/Telecom Lab:
Tel: 886-3-3183232
Fax: 886-3-3185050

Linko RF Lab.
Tel: 886-3-3270910
Fax: 886-3-3270892

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.