

FCC TEST REPORT

REPORT NO.: RF941213L11 **MODEL NO.**: Qpe V601

RECEIVED: Dec. 12, 2005

TESTED: Jan. 16 ~ Jan. 17, 2006

ISSUED: Jan. 24, 2006

APPLICANT: ViewSun Technology Co., Ltd.

ADDRESS: 1F., No.9, Lane 52, Hesing Rd., Wunshan District,

Taipei City 116, 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.

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1. CERTIFICATION

PRODUCT: Wireless Skype phone

BRAND NAME: Qpe

MODEL NO.: Qpe V601

APPLICANT: ViewSun Technology Co., Ltd.

TESTED: Jan. 16 ~ Jan. 17, 2006

TEST SAMPLE: ENGINEERING SAMPLE

STANDARDS: FCC Part 15, Subpart C (Section 15.249)

ANSI C63.4-2003

The above equipment have 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 : Windy Chan , DATE: Jan. 24, 2006

Windy Chou

TECHNICAL

ACCEPTANCE: Jan. 24, 2006

Responsible for RF Long Chen , DATE: Jan. 24, 2006

APPROVED BY : (Jan. 24, 2006

Gary Chang / Supervisor



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	PASS	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 -4.24dB at 4958.00MHz			

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
	30MHz ~ 200MHz	3.73 dB
Radiated emissions	200MHz ~1000MHz	3.74 dB
Radiated emissions	1GHz ~ 18GHz	2.20 dB
	18GHz ~ 40GHz	1.88 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	Wireless Skype phone	
MODEL NO.	Qpe V601	
FCC ID	TVSV601FCC1	
POWER SUPPLY	3Vdc from batteries	
MODULATION TYPE	GFSK	
FREQUENCY RANGE	2405 ~ 2479 MHz	
NUMBER OF CHANNEL	75	
ANTENNA TYPE	Mono-pole antenna with –4.6dBi gain	
DATA CABLE	NA	
I/O PORT	NA	

NOTE: 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.

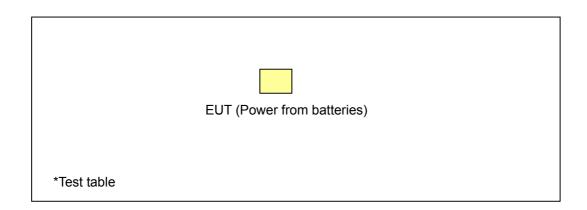


3.2 DESCRIPTION OF TEST MODES

75 channels are provided to this EUT.

CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)
1	2405	20	2424	39	2443	58	2462
2	2406	21	2425	40	2444	59	2463
3	2407	22	2426	41	2445	60	2464
4	2408	23	2427	42	2446	61	2465
5	2409	24	2428	43	2447	62	2466
6	2410	25	2429	44	2448	63	2467
7	2411	26	2430	45	2449	64	2468
8	2412	27	2431	46	2450	65	2469
9	2413	28	2431	47	2451	66	2470
10	2414	29	2433	48	2452	67	2471
11	2415	30	2434	49	2453	68	2472
12	2416	31	2435	50	2454	69	2473
13	2417	32	2436	51	2455	70	2474
14	2418	33	2437	52	2456	71	2475
15	2419	34	2438	53	2457	72	2476
16	2420	35	2439	54	2458	73	2477
17	2421	36	2440	55	2459	74	2478
18	2422	37	2441	56	2460	75	2479
19	2423	38	2442	57	2461		

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST





3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT Configure		Applicable to	o	Description
Mode	RE<1G	RE≥1G	APCM	Bescription
-	√		Note 1	-

Where **RE<1G**: 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, data rates and antenna ports (if EUT with antenna diversity architecture), packet types and XYZ axis.

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

Available	Tested	Modulation	AXIS
Channel	Channel	Type	
1 ~ 75	38	GFSK	X

Radiated Emission Test (Above 1 GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture), packet types and XYZ axis.

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

Available	Tested	Modulation	AXIS
Channel	Channel	Type	
1 ~ 75	1, 38, 75	GFSK	Χ

Bandedge Measurement:

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture), packet types and XYZ axis.

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

Available	Tested	Modulation
Channel	Channel	Type
1 ~ 75	1, 75	GFSK



3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a Wireless Skype phone. According to the specifications of the manufacturer, it must comply 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

NA



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	ESIB7	100188	Dec. 20, 2006	
ROHDE & SCHWARZ			200: 20, 2000	
Spectrum Analyzer	FSP40	100039	Nov. 27, 2006	
ROHDE & SCHWARZ				
BILOG Antenna	VULB9168	9168-157	Jan. 15, 2007	
SCHWARZBECK	VOLDOTOO	3100-107	0dii. 10, 2007	
HORN Antenna	3117	00034130	Jan. 01, 2007	
EMCO	3117	00034130	Jan. 01, 2007	
HORN Antenna	BBHA 9170	BBHA9170148	Jul. 04, 2006	
SCHWARZBECK	BBHA 9170	BBI IA9 17 0 140	Jul. 04, 2000	
Preamplifier	8449B	3008A01961	Oct. 23, 2006	
Agilent	04490	3000A01901	Oct. 23, 2006	
Preamplifier	8447D	2944A10629	Oct. 27, 2006	
Agilent	04470	2344710023	Oct. 21, 2000	
RF signal cable	SUCOFLEX 104	214380/4	Jan. 16, 2007	
HUBER+SUHNER	30001 LLX 104	214300/4	Jan. 10, 2007	
RF signal cable	SUCOFLEX 104	219266/4	Jan. 16, 2007	
HUBER+SUHNER	SOCOPLEX 104	219200/4	Jan. 10, 2007	
Software	ADT_Radiated_V5.14	NA	NA	
ADT.	ADT_Radiated_v5.14	NA .	INA	
Antenna Tower	AT100	AT02024702	NA	
ADT.	AT 100	AT93021702	INA	
Turn Table	TT100.	TT02024702	NA	
ADT.	11100.	TT93021702	INA	
Controller	SC100.	SC93021702	NA	
ADT.	30100.	3033021702	INA	

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 meters 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 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using the quasi-peak method or average method as specified and then reported in Data sheet peak mode and QP mode.

NOTE:

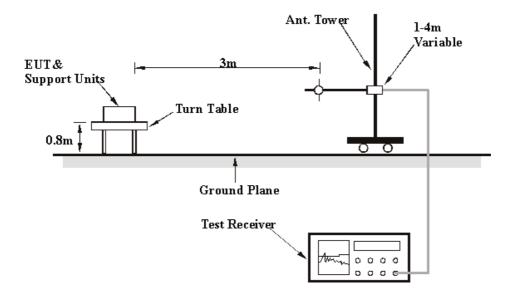
- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
- 2. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz for Peak detection (PK) at frequency above 1GHz.

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

Set the transmitter part of EUT under transmission condition continuously at specific channel frequency.



4.2.7 TEST RESULTS

RADIATED WORST-CASE DATA: BELOW 1GHz

		MEASUREMENT DETAIL		
		FREQUENCY RANGE	Below 1000MHz	
CHANNEL	Channel 38	DETECTOR FUNCTION	Quasi-Peak	
MODULATION TYPE	GFSK	ENVIRONMENTAL CONDITIONS	25deg. C, 68%RH, 991hPa	
TESTED BY	Match Tsui	INPUT POWER (SYSTEM)	120Vac, 60 Hz	

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									
	Freg.	Emission	Limit	Margin	Antenna	Table	Raw	Correction		
No.	(MHz)	Level	(dBuV/m)	(dB)	Height	Angle	Value	Factor		
	(IVIHZ)	(dBuV/m)	(aBuv/m)	(ub)	(m)	(Degree)	(dBuV)	(dB/m)		
1	698.70	24.23 QP	46.00	-21.77	2.00 H	340	0.13	24.09		
2	755.07	23.66 QP	46.00	-22.34	2.00 H	289	-1.55	25.21		
3	803.67	24.73 QP	46.00	-21.27	2.50 H	10	-0.84	25.57		
4	846.43	25.53 QP	46.00	-20.47	2.00 H	307	-1.39	26.91		
5	879.48	31.26 QP	46.00	-14.74	2.00 H	289	4.47	26.79		
6	908.64	29.46 QP	46.00	-16.54	2.00 H	307	2.60	26.86		
7	947.52	27.07 QP	46.00	-18.93	2.00 H	340	-0.80	27.87		

	Al	NTENNA POL	ARITY & T	EST DIST	ANCE: VI	ERTICAL	AT 3 M	
	Freq.	Emission	Limit	Margin	Antenna	Table	Raw	Correction
No.	(MHz)	Level	(dBuV/m)	(dB)	Height	Angle	Value	Factor
	(IVII-12)	(dBuV/m)	(ubuv/iii)	(ub)	(m)	(Degree)	(dBuV)	(dB/m)
1	35.83	18.02 QP	40.00	-21.98	1.00 V	262	5.64	12.38
2	700.64	24.94 QP	46.00	-21.06	1.00 V	196	0.82	24.12
3	729.80	23.33 QP	46.00	-22.67	1.00 V	4	-1.41	24.75
4	780.34	24.27 QP	46.00	-21.73	2.50 V	127	-1.08	25.35
5	813.39	24.36 QP	46.00	-21.64	2.00 V	358	-1.52	25.88
6	828.94	25.87 QP	46.00	-20.13	1.00 V	49	-0.49	26.36
7	848.38	26.34 QP	46.00	-19.66	1.00 V	208	-0.64	26.98
8	879.48	29.18 QP	46.00	-16.82	1.00 V	208	2.38	26.79
9	916.41	26.22 QP	46.00	-19.78	1.00 V	4	-0.84	27.06

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.



ABOVE 1GHZ WORST-CASE DATA

		MEASUREMENT DETAIL			
EUT TEST CONDITIO	N	FREQUENCY RANGE	1 ~ 25 GHz		
CHANNEL	Channel 1	DETECTOR	Peak (PK)		
CHANNEL	Citatille	FUNCTION	Average (AV)		
MODULATION TYPE	GESK	ENVIRONMENTAL	25deg. C, 68%RH,		
WODGLATION TIPE	OI OK	CONDITIONS	991hPa		
TESTED BY	Match Tsui	INPUT POWER (SYSTEM)	120Vac, 60 Hz		

	AN ⁻	TENNA POLAF	RITY & TE	ST DISTA	NCE: HOI	RIZONTAL	_ 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	2390.00	53.62 PK	74.00	-20.38	1.12 H	360	21.65	31.97
1	2390.00	44.83 AV	54.00	-9.17	1.12 H	360	12.86	31.97
2	*2405.00	88.08 PK	114.00	-25.92	1.12 H	360	56.05	32.03
2	*2405.00	71.60 AV	94.00	-22.40	1.12 H	360	39.57	32.03
3	4810.00	65.93 PK	74.00	-8.07	1.06 H	144	27.83	38.11
3	4810.00	49.45 AV	54.00	-4.55	1.06 H	144	11.35	38.11
4	7215.00	54.03 PK	74.00	-19.97	1.05 H	318	9.70	44.33
4	7215.00	37.55 AV	54.00	-16.45	1.05 H	318	-6.78	44.33

	Al	NTENNA POL	ARITY & T	EST DIST	ANCE: VE	ERTICAL	AT 3 M	
	Freq.	Emission	Limit	Margin	Antenna	Table	Raw	Correction
No.	No. (MHz)	Level	(dBuV/m)	(dB)	Height	Angle	Value	Factor
		(dBuV/m)	(ubuv/iii)	(ub)	(m)	(Degree)	(dBuV)	(dB/m)
1	2390.00	53.29 PK	74.00	-20.71	1.22 V	192	21.32	31.97
1	2390.00	44.70 AV	54.00	-9.30	1.22 V	192	12.73	31.97
2	*2405.00	79.58 PK	114.00	-34.42	1.22 V	192	47.55	32.03
2	*2405.00	63.10 AV	94.00	-30.90	1.22 V	192	31.07	32.03
3	4810.00	64.16 PK	74.00	-9.84	1.42 V	260	26.06	38.11
3	4810.00	47.68 AV	54.00	-6.32	1.42 V	260	9.58	38.11
4	7215.00	53.86 PK	74.00	-20.14	1.48 V	136	9.53	44.33
4	7215.00	37.38 AV	54.00	-16.62	1.48 V	136	-6.95	44.33
5	9620.00	57.18 PK	74.00	-16.82	1.00 V	1	9.47	47.72
5	9620.00	40.70 AV	54.00	-13.30	1.00 V	1	-7.01	47.72

REMARKS:

- Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
 Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)
 The other emission levels were very low against the limit.
 Margin value = Emission level Limit value.

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- 5. " * ": Fundamental frequency



		MEASUREMENT DETAIL			
EUT TEST CONDITIO	N .	FREQUENCY RANGE	1 ~ 25 GHz		
CHANNEL	Channel 38	DETECTOR	Peak (PK)		
CHANNEL	Chariner 30	FUNCTION	Average (AV)		
MODULATION TYPE	CESK	ENVIRONMENTAL	25deg. C, 68%RH,		
WODULATION TIPE	GF3K	CONDITIONS	991hPa		
TESTED BY	Match Tsui	INPUT POWER (SYSTEM)	120Vac, 60 Hz		

	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M									
No.	No. Freq. (MHz)	Emission Level	Limit (dBuV/m)	Margin) (dB)	Antenna Height	Table Angle	Raw Value	Correction Factor		
		(dBuV/m)			(m)	(Degree)	(dBuV)	(dB/m)		
1	*2442.00	90.57 PK	114.00	-23.43	1.35 H	24	58.38	32.19		
1	*2442.00	74.09 AV	94.00	-19.91	1.35 H	24	41.90	32.19		
2	4884.00	63.74 PK	74.00	-10.26	1.03 H	317	25.43	38.31		
2	4884.00	47.26 AV	54.00	-6.74	1.03 H	317	8.95	38.31		
3	7236.00	51.96 PK	74.00	-22.04	1.00 H	150	7.57	44.38		
3	7236.00	35.48 AV	54.00	-18.52	1.00 H	150	-8.91	44.38		

	Al	NTENNA POL	ARITY & T	EST DIST	ANCE: VE	ERTICAL	AT 3 M	
	Freq. Level (dB:) (dB:) (free)	Emission	Limit	Margin	Antenna	Table	Raw	Correction
No.		-	•	Height	Angle	Value	Factor	
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(m)	(Degree)	(dBuV)	(dB/m)
1	*2442.00	81.71 PK	114.00	-32.29	1.02 V	75	49.52	32.19
1	*2442.00	65.23 AV	94.00	-28.77	1.02 V	75	33.04	32.19
2	4884.00	63.47 PK	74.00	-10.53	1.06 V	111	25.16	38.31
2	4884.00	46.99 AV	54.00	-7.01	1.06 V	111	8.68	38.31
3	7326.00	52.95 PK	74.00	-21.05	1.33 V	102	8.36	44.58
3	7326.00	36.47 AV	54.00	-17.53	1.33 V	102	-8.12	44.58
4	9768.00	56.60 PK	74.00	-17.40	1.10 V	195	8.61	47.99
4	9768.00	40.12 AV	54.00	-13.88	1.10 V	195	-7.87	47.99

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



		MEASUREMENT DETAIL			
EUT TEST CONDITIO	ON .	FREQUENCY RANGE	1 ~ 25 GHz		
CHANNEL	Channel 75	DETECTOR	Peak (PK)		
CHANNEL	Charmer 75	FUNCTION	Average (AV)		
MODULATION TYPE	CESK	ENVIRONMENTAL	25deg. C, 68%RH,		
WODULATION TIPE	Grok	CONDITIONS	991hPa		
TESTED BY	Match Tsui	INPUT POWER (SYSTEM)	120Vac, 60 Hz		

	AN	TENNA POLAF	RITY & TE	ST DISTA	NCE: HO	RIZONTAL	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	*2479.00	93.51 PK	114.00	-20.49	1.38 H	205	61.16	32.35
1	*2479.00	77.03 AV	94.00	-16.97	1.38 H	205	44.68	32.35
2	2483.50	55.82 PK	74.00	-18.18	1.38 H	205	23.45	32.37
2	2483.50	46.49 AV	54.00	-7.51	1.38 H	205	14.12	32.37
3	4958.00	62.80 PK	74.00	-11.20	1.02 H	158	24.31	38.49
3	4958.00	46.32 AV	54.00	-7.68	1.02 H	158	7.83	38.49
4	7437.00	53.28 PK	74.00	-20.72	1.25 H	162	8.46	44.82
4	7437.00	36.80 AV	54.00	-17.20	1.25 H	162	-8.02	44.82

	Al	NTENNA POL	ARITY & T	EST DIST	ANCE: VE	ERTICAL	AT 3 M	
	Freq.	Emission	Limit (dBuV/m)	Margin	Antenna	Table	Raw	Correction
No.	(MHz)	Level		(dB)	Height	Angle	Value	Factor
	(IVIITIZ)	(dBuV/m)	(ubuv/iii)	(ub)	(m)	(Degree)	(dBuV)	(dB/m)
1	*2479.00	83.07 PK	114.00	-30.93	1.08 V	253	50.72	32.35
1	*2479.00	66.59 AV	94.00	-27.41	1.08 V	253	34.24	32.35
2	2483.50	53.85 PK	74.00	54.00	1.08 V	253	21.48	32.37
2	2483.50	45.30 AV	54.00	-8.70	1.08 V	253	12.93	32.37
3	4958.00	66.24 PK	74.00	-7.76	1.06 V	39	27.75	38.49
3	4958.00	49.76 AV	54.00	-4.24	1.06 V	39	11.27	38.49
4	9916.00	57.02 PK	74.00	-16.98	1.00 V	55	8.86	48.17
4	9916.00	40.54 AV	54.00	-13.46	1.00 V	55	-7.62	48.17

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 –50dB 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. 14, 2006	

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 and 100 kHz with suitable frequency span including 100 MHz bandwidth from band edge. The band edges was measured and recorded.

The spectrum plots are attached on the following pages.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation.

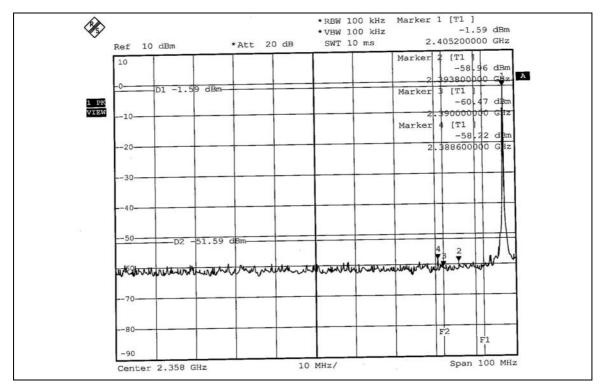
4.3.5 EUT OPERATING CONDITION

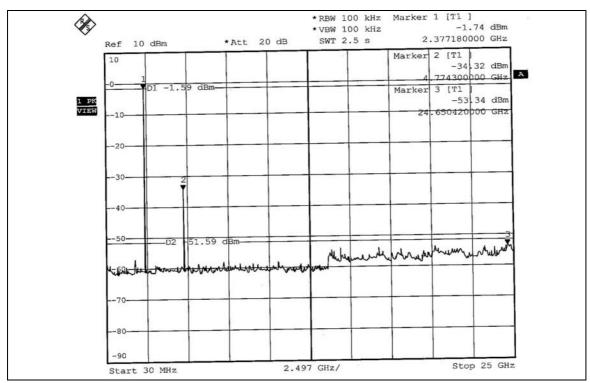
Same as Item 4.3.6.

4.3.6 TEST RESULTS

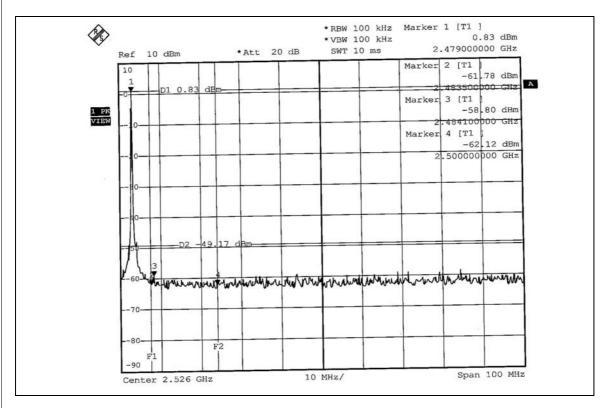
The spectrum plots are attached on the following 4 images. D2 line indicates the highest level, and D1 line indicates the 50dB offset below D2. It shows compliance with the requirement in part 15.249 (d).

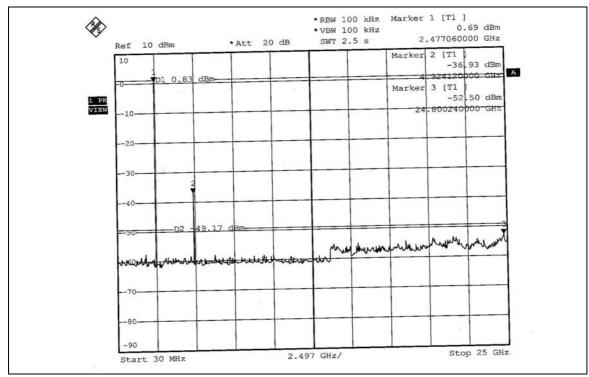








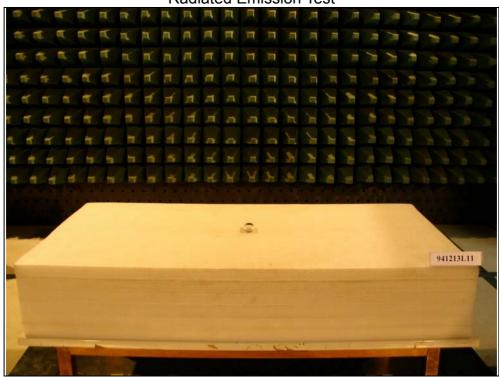






5. PHOTOGRAPHS OF THE TEST CONFIGURATION









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, UL, A2LA 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 LabHsin Chu EMC/RF LabTel: 886-2-26052180Tel: 886-3-5935343Fax: 886-2-26052943Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety Telecom Lab Linko RF Lab

Tel: 886-3-3183232 Tel: 886-3-3270910 Fax: 886-3-3185050 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



APPENDIX-A

MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB
No any modifications are made to the EUT by the lab during the test.