

A Test Lab Techno Corp.

No.140-1, Chang-an St., Bade City, Tao-Yuan County 334, Taiwan (R.O.C.)

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Measurement Report





Report No.: 0701FR12

Applicant: Inventec Corporation

Manufacturer Name: Inventec Corporation

Product Model: Mercury 619

Product Type: PDA PHONE

FCC ID: DGIBC0153AAA000

Dates of Test: January. 30,2007

Test Specification: Part 15 Subpart B & C (15.247)

Location of Test Lab.: Changan

- 1. The test operations have to be performed with cautious behavior, the test results are as attached.
- 2. The test results are under chamber environment of A Test Lab Techno Corp. A Test Lab Techno Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples.
- 3. The measurement report has to be written approval of A Test Lab Techno Corp. It may only be reproduced or published in full.

Country Huang

20070131

Measurement Center Manager

John Cheng

Testing Engineer

20070131



CERTIFICATION

We here by verify that:

The test data, data evaluation, test procedures and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4:2001. All test were conducted by *A Test Lab Techno Corp. No.140-1, Chang-an St., Bade City, Tao-Yuan County 334, Taiwan (R.O.C.)* Also, we attest to the accuracy of each.

We further submit that the energy emitted by the sample EUT tested as described in the report is in compliance with Class B radiated and conducted emission limit of FCC Rules Part 15 Subpart B & C (15.247).

EUT : PDA PHONE

Applicant : Inventec Corporation

NO.,66 Hou-Kang Street Shih-Lin District,

Taipei 11170, Taiwan (R.O.C.)

Manufacturer : Inventec Corporation

NO.,66 Hou-Kang Street Shih-Lin District,

Taipei 11170, Taiwan (R.O.C.)

Model No : Mercury 619

FCC ID : DGIBC0153AAA000

Approved by :

Country Huang

Prepared by :

John Chena

A Test Lab Techno Corp.

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1. GENERAL

1.1 Description of Equipment under Test (EUT)

Applicant: Inventec Corporation

NO.,66 Hou-Kang Street Shih-Lin District, Taipei 11170, Taiwan (R.O.C.)

Manufacturer Name : Inventec Corporation

Product Model : Mercury 619

Product Type : PDA PHONE

FCC ID : DGIBC0153AAA000

Battery Type : Powered by Bettery (4.2V Li-ion Battery Pack)

Frequency of Channel : See Table 1

Type of Modulation : Direct Sequence Spread Spectrum

Type of Antenna : Internal Antenna Type Antenna

During testing the EUT was operated at Tx or Rx mode for each emission measured. This was done in order to ensure that maximum emission levels were attained.

80	2.11b/g Mode
СН	Frequency
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462

Table 1. WLAN Frequency of Each Channel (Working Frequency)



1.2 Introduction

The following measurement report is submitted on behalf of **Inventec Corporation**. In support of a Class B Digital Device certification in accordance with Part2 Subpart J and Part 15 Subpart A And B&C of the Commission's and Regulations.

1.3 Summary of Tests

	47 CFR Part 15 S	ubpart C	
Reference	Test	Results	Note
15.107	AC Power Conducted Emission	PASS	
15.247(c)	Transmitter Radiated Emissions	PASS	
15.247(b)	Max. Output Power	PASS	
15.247(a)(2)	6dB RF Bandwidth	PASS	
15.247(d)	Max. Power Density	PASS	
15.247(c)	Out of Band Conducted Spurious Emission	PASS	
15.247(c)	Band Edge Measurement	PASS	
15.203	Antenna Requirement	PASS	



1.4 Description of Support Equipment

Computer	: IBM
Model No.	: 16W
Serial No.	: BNL345M
FCC ID	: FCC DOC
<u>Keyboard</u>	: IBM
Model No.	: KB-9930
Serial No.	: 09N5395
FCC ID	: FCC DOC
<u>Monitor</u>	: IBM
Model No.	: 10L6145 030
Serial No.	: 23-092079
FCC ID	: FCC DOC
<u>Mouse</u>	: IBM
Model No.	: 0180-05N
Serial No.	: 23-96142
FCC ID	: EMJMUSJJ
<u>Printer</u>	: SII
Model No.	: DUP-414
Serial No.	: 730-029309-01
FCC ID	: FCC DOC



1.5 Configuration of System under Test

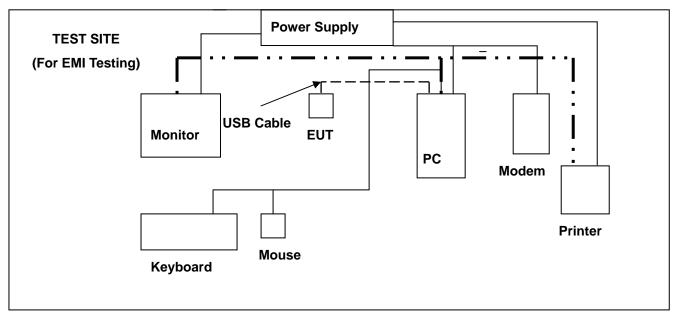


Figure 1. Configuration of System Under Test

During EMI testing (Charge Mode) the EUT (PDA Phone)'s USB port connected to the USB port of AE PC & Earphone port connected to earphone. A mouse was connected to the mouse port of IBM PC. And a keyboard was connected to the mouse port of IBM PC. And a printer was connected to the parallel port. An external modem connected the serial port and the external modem connected with two unterminated telephone cables on the line and phone jack.

Note: The EUT could used the AC adapter or PC's USB port to provide charge batter, The EUT was worst case on PC's USB port charge mode.

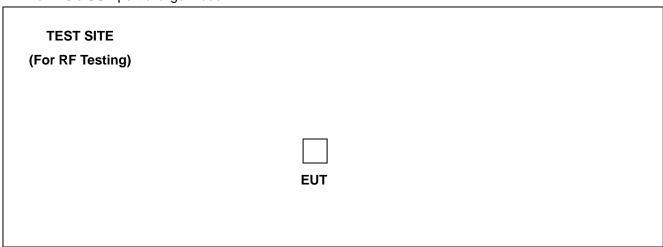


Figure 2. Configuration of System Under Test

During RF testing (LINK Mode) the EUT (PDA Phone) was put on the center of turn table. During EMI testing (Charge Mode) the EUT (PDA Phone)'s Earphone port connected to earphone.



1.6 Test Procedure

All measurements contained in this report were performed according to the techniques described in Measurement procedure ANSI C63.4-2001 "Measurement of un-Intentional Radiators."

1.7 General Test Condition

The conditions under which the EUT operates were varied to determine their effect on the equipment's emission characteristics. The final configuration of the test system and the mode of operation used during these tests were chosen as that which produced the highest emission levels. However, only those conditions which the EUT was considered likely to encounter in normal use were investigated. The system's radiated and conducted emissions were investigated while the computer alternately transferred data to the EUT as well as to the monitor and printer. Using a test program which sent a continuous data and transferred data to and from the EUT was proven to worst case emissions. The system's physical layout and cabling was randomly arranged to ensure that maximum emission levels were attained.



2. Conducted Emissions Requirements

2.1 General & Setup:

The power line conducted emission measurements were performed in a shielded enclosure. The EUT was assembled on a wooden table which is 80 centimeters high, was placed 40 centimeters from the back wall and at least 1 meter from the sidewall.

Power was fed to the EUT from the public utility power grid through a line filter and EMCO Model 3162/2 SH Line Impedance Stabilization Networks (LISN). The LISN housing, measuring instrumentation case, ground plane, etc., were electrically bonded together at the same RF potential. The Spectrum analyzer was connected to the AC line through an isolation transformer. The 50-ohm output of the LISN was connected to the spectrum analyzer directly. Conducted emission levels were in the CISPR quasi-peak detection mode. The analyzer's 6 dB bandwidth was set to 9 KHz. No post-detector video filter was used.

The spectrum was scanned from 150 KHz to 30 MHz. The physical arrangement of the test system and associated cabling was varied (within the scope of arrangements likely to be encountered in actual use) to determine the effect on the unit's emanations in amplitude and frequency. All spurious emission frequencies were observed. The highest emission amplitudes relative to the appropriate limit were measured and have been recorded in paragraph 2.6.

2.2 Test Equipment List:

Describe	Manufacturer	Model	Serial Number	Calib	ration
Describe	iviariuracturei	Wodel	Serial Number	Cal. Date	Due Date
Spectrum Analyzer	Advantest	R3132	160300103	Mar. 24, 2006	Mar. 24, 2007
Test Receiver	AFJ	AFJ ER 55C	55090625309	Mar. 07, 2006	Mar. 07, 2007
LISN	EMCO	3816/2 SH	00060110	May. 03, 2006	May. 02, 2007
LISN	EMCO	3816/2 SH	00060110	May. 03, 2006	May. 02, 2007
Transient Limiter	ELECTRO-METRICS	EM-7600	777	Jun. 26, 2006	Jun. 26, 2007



2.3 Test Configuration:

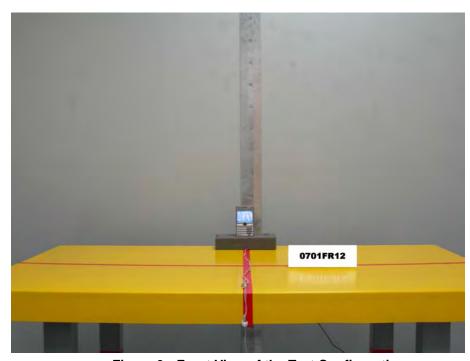


Figure 3. Front View of the Test Configuration



Figure 4. Rear View of the Test Configuration



2.4 Test condition:

EUT tested in accordance with the specifications given by the Manufacturer, and exercised in the most unfavorable manner.

2.5 Conducted Emissions Limits:

Eroguenov renge (MUT)	Limits	(dBuV)
Frequency range (MHz)	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5.0	56	46
5.0 to 30	60	50



2.6 Measurement Data of Conducted Emissions:

2.6.1 Conducted Emissions (Subpart B)

The following table show a summary of the highest emissions of power line conducted emissions to the HOT and NATURAL conductor of the EUT power.

Applicant : Inventec Corporation

Model No : Mercury 619 EUT : PDA PHONE

Test Mode : 802.11b Charge Mode

Test Date : 01/30/2007

Please refer to next pager of detail testing data.

Notes:

- 1. L1: One end & Ground L2: The other end & Ground
- 2. Height of table on which the EUT was placed: 0.8 m.
- 3. The Quasi-Peak Value have already met the Average Value Limit showed on above limits.
- 4. The above test results are obtained under the normal condition.





Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

Power: Distance:

Phase:

L1

AC 110V/60Hz

Temperature: 26 ℃ Humidity: 55 %

EUT: PDA M/N: M619 Mode:

Note: 11b stand by

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1934	35.30	9.74	45.04	63.88	-18.84	peak	
2		0.4335	29.86	9.78	39.64	57.18	-17.54	peak	
3		0.9500	29.03	9.81	38.84	56.00	-17.16	peak	
4		2.7590	29.29	9.90	39.19	56.00	-16.81	peak	
5	*	3.6950	29.92	9.94	39.86	56.00	-16.14	peak	
6		10.9500	32.34	10.10	42.44	60.00	-17.56	peak	

*: Maximum data x: Over limit !: over margin

•Reference Only

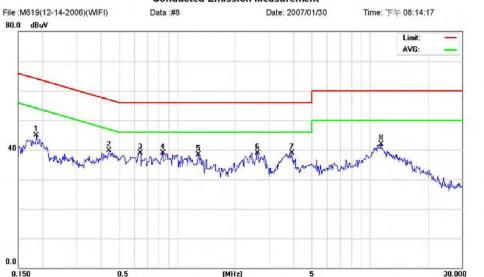
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Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

EUT: PDA

M/N: M619 Mode:

Note: 11b stand by

Phase: Power:

Distance:

L2 AC 110V/60Hz Temperature:

26 °C

Humidity: 55 %

Reading Correct Measure-Limit No. Mk. Freq. Over Level Factor ment dB dBuV dBuV dB MHz dBuV Detector Comment 0.1864 35.16 44.90 64.19 1 9.74 -19.29peak 2 0.4419 29.94 9.78 39.72 57.03 -17.31 peak 3 * 0.6440 29.19 9.79 38.98 56.00 -17.02 peak 4 0.8420 29.05 9.80 38.85 56.00 -17.15 peak 5 1.2830 28.42 9.81 38.23 56.00 -17.77 peak 6 2.5970 28.98 9.93 38.91 56.00 -17.09 peak 3.9380 28.97 9.98 38.95 56.00 -17.05 peak 8 11.4000 31.83 10.12 41.95 60.00 -18.05 peak

*: Maximum data x:Over limit !:over margin •Reference Only

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2.6.2 Conducted Emissions (Subpart C)

The following table show a summary of the highest emissions of power line conducted emissions to the HOT and NATURAL conductor of the EUT power.

Applicant : Inventec Corporation

Model No : Mercury 619 EUT : PDA PHONE

Test Mode : 802.11b CH1 (2412MHz)

Test Date : 01/30/2007

Please refer to next pager of detail testing data.

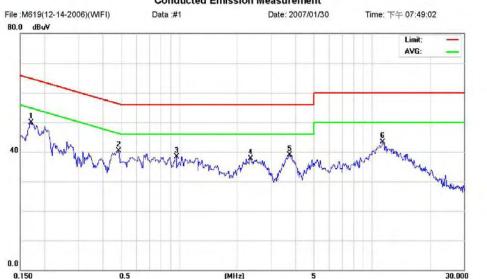
Notes:

- 1. L1: One end & Ground L2: The other end & Ground
- 2. Height of table on which the EUT was placed: 0.8 m.
- 3. The Quasi-Peak Value have already met the Average Value Limit showed on above limits.
- 4. The above test results are obtained under the normal condition.





Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

EUT: PDA M/N: M619 Mode:

Note: 11b ch01

Phase: Power: Distance:

L1 AC 110V/60Hz Temperature:

26 ℃

Humidity: 55 %

Reading Correct Measure-Limit Over No. Mk. Freq. Factor Level ment MHz dB dBuV dBuV dB dBuV Detector Comment 1 0.1710 40.12 9.73 49.85 64.91 -15.06 peak 2 0.4846 30.48 9.78 40.26 56.26 -16.00 peak 3 0.9680 28.55 9.81 38.36 56.00 -17.64 peak 4 2.3360 27.94 9.85 37.79 56.00 -18.21 peak 5 3.7220 29.04 9.94 38.98 56.00 -17.02 peak 11.3500 6 33.26 10.12 43.38 60.00 -16.62 peak

*:Maximum data x:Over limit !:over margin

•Reference Only

File: M619(12-14-2006)(WIFI)\Data:#1

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Conducted Emission Measurement



Site opensite #1 Limit: CISPR22 Class B Conduction(QP)

Phase: L2 Power: AC 110V/60Hz Temperature:

26 °C

Humidity: 55 %

EUT: PDA M/N: M619

Mode:

Note: 11b ch01

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1773	39.14	9.74	48.88	64.61	-15.73	peak	
2		0.4279	30.95	9.78	40.73	57.29	-16.56	peak	
3		0.6710	29.37	9.79	39.16	56.00	-16.84	peak	
4		2.5700	28.49	9.93	38.42	56.00	-17.58	peak	
5	*	4.0370	30.48	9.96	40.44	56.00	-15.56	peak	
6		11.3000	32.67	10.11	42.78	60.00	-17.22	peak	

Distance:

*: Maximum data x:Over limit !:over margin •Reference Only

File:M619(12-14-2006)(WIFI)\Data:#2

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2.6.3 Conducted Emissions (Subpart C)

The following table show a summary of the highest emissions of power line conducted emissions to the HOT and NATURAL conductor of the EUT power.

Applicant : Inventec Corporation

Model No : Mercury 619 EUT : PDA PHONE

Test Mode : 802.11b CH6 (2437MHz)

Test Date : 01/30/2007

Please refer to next pager of detail testing data.

Notes:

- 1. L1: One end & Ground L2: The other end & Ground
- 2. Height of table on which the EUT was placed: 0.8 m.
- 3. The Quasi-Peak Value have already met the Average Value Limit showed on above limits.
- 4. The above test results are obtained under the normal condition.





Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

EUT: PDA M/N: M619 Mode:

Note: 11b ch06

Phase: Power: Distance:

L1 AC 110V/60Hz Temperature:

26 °C

Humidity: 55 %

Reading Correct Measure-Limit Over No. Mk. Freq. Factor Level ment dB dBuV dBuV dB MHz dBuV Detector Comment 0.1696 35.39 45.12 64.98 1 9.73 -19.86 peak 2 0.4755 29.59 9.78 39.37 56.42 -17.05 peak 3 1.1660 29.09 9.80 38.89 56.00 -17.11 peak 4 2.5880 27.66 9.93 37.59 56.00 -18.41 peak 5 3.5600 28.33 9.94 38.27 56.00 -17.73 peak 6 11.5000 31.00 10.12 41.12 60.00 -18.88 peak

*: Maximum data x:Over limit !:over margin •Reference Only

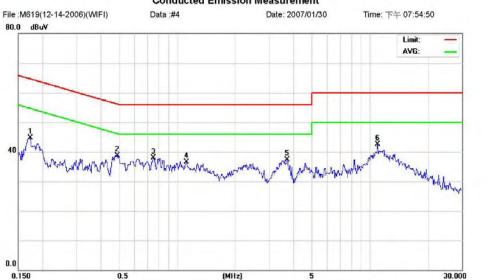
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Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

Phase: L2
Power: AC 110V/60Hz

Temperature: 26 ℃ Humidity: 55 %

Distance:

EUT: PDA M/N: M619 Mode:

Note: 11b ch06

MHz	dBuV	dB	200 200				
 0.4704			dBuV	dBuV	dB	Detector	Comment
0.1724	35.04	9.73	44.77	64.84	-20.07	peak	
0.4881	29.01	9.78	38.79	56.20	-17.41	peak	
0.7520	28.20	9.80	38.00	56.00	-18.00	peak	
1.1119	26.67	9.80	36.47	56.00	-19.53	peak	
3.7130	27.46	9.94	37.40	56.00	-18.60	peak	
10.0500	32.37	10.10	42.47	60.00	-17.53	peak	
	3.7130 10.9500						

*:Maximum data x:Over limit !:over margin

•Reference Only

File:M619(12-14-2006)(WIFI)\Data:#4

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2.6.4 Conducted Emissions (Subpart C)

The following table show a summary of the highest emissions of power line conducted emissions to the HOT and NATURAL conductor of the EUT power.

Applicant : Inventec Corporation

Model No : Mercury 619 EUT : PDA PHONE

Test Mode : 802.11b CH11 (2462MHz)

Test Date : 01/30/2007

Please refer to next pager of detail testing data.

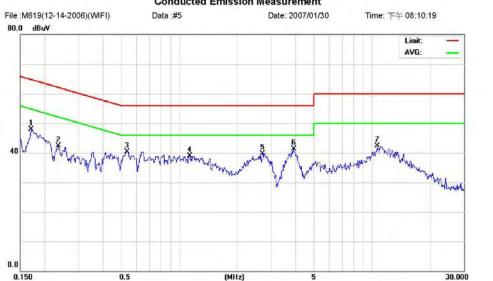
Notes:

- 1. L1: One end & Ground L2: The other end & Ground
- 2. Height of table on which the EUT was placed: 0.8 m.
- 3. The Quasi-Peak Value have already met the Average Value Limit showed on above limits.
- 4. The above test results are obtained under the normal condition.





Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

EUT: PDA M/N: M619 Mode:

Note: 11b ch06

Phase: Power:

L1 AC 110V/60Hz

Temperature: Humidity: 55 %

26 °C

Distance:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1710	38.08	9.73	47.81	64.91	-17.10	peak	
2		0.2354	32.46	9.75	42.21	62.25	-20.04	peak	
3		0.5360	30.55	9.79	40.34	56.00	-15.66	peak	
4		1.1300	29.12	9.80	38.92	56.00	-17.08	peak	
5		2.7050	29.73	9.91	39.64	56.00	-16.36	peak	
6	*	3.9020	31.30	9.97	41.27	56.00	-14.73	peak	
7		10.6500	32.29	10.05	42.34	60.00	-17.66	peak	

*: Maximum data x:Over limit !:over margin •Reference Only

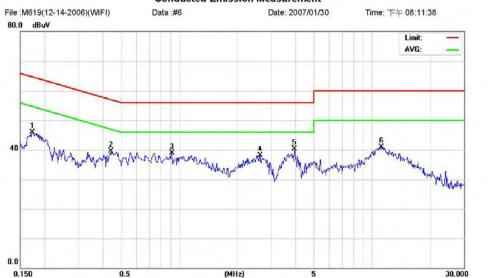
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Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

Phase: L2 Power: AC 110V/60Hz

Temperature: Humidity: 55 %

26 °C

EUT: PDA M/N: M619

Mode: Note: 11b ch11

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1731	36.11	9.73	45.84	64.81	-18.97	peak	
2		0.4412	29.70	9.78	39.48	57.04	-17.56	peak	
3		0.9140	29.09	9.81	38.90	56.00	-17.10	peak	
4		2.6330	28.27	9.93	38.20	56.00	-17.80	peak	
5	*	3.9560	30.23	9.98	40.21	56.00	-15.79	peak	
6		11.1500	30.80	10.11	40.91	60.00	-19.09	peak	

Distance:

*: Maximum data x:Over limit !:over margin •Reference Only

File: M619(12-14-2006)(WIFI)\Data:#6

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2.6.5 Conducted Emissions (Subpart B)

The following table show a summary of the highest emissions of power line conducted emissions to the HOT and NATURAL conductor of the EUT power.

Applicant : Inventec Corporation

Model No : Mercury 619 EUT : PDA PHONE

Test Mode : 802.11g Charge Mode

Test Date : 01/30/2007

Please refer to next pager of detail testing data.

Notes:

1. L1: One end & Ground L2: The other end & Ground

2. Height of table on which the EUT was placed: 0.8 m.

3. The Quasi-Peak Value have already met the Average Value Limit showed on above limits.

4. The above test results are obtained under the normal condition.





Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

Power: Distance:

L1 AC 110V/60Hz Temperature: 26 ℃

Humidity: 55 %

EUT: PDA M/N: M619 Mode:

Note: 11g stand by

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1801	31.73	9.74	41.47	64.48	-23.01	peak	
2		0.4279	29.92	9.78	39.70	57.29	-17.59	peak	
3		1.1300	29.00	9.80	38.80	56.00	-17.20	peak	
4		2.5700	27.74	9.93	37.67	56.00	-18.33	peak	
5	*	3.7400	29.55	9.95	39.50	56.00	-16.50	peak	
6		11.1000	31.87	10.11	41.98	60.00	-18.02	peak	

Phase:

*: Maximum data x: Over limit !: over margin

•Reference Only

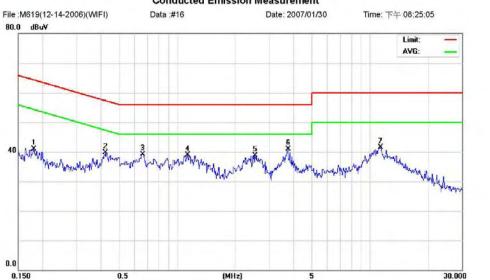
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Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

L2 AC 110V/60Hz Temperature: 26 ℃ Humidity: 55 %

Power: Distance:

Phase:

EUT: PDA M/N: M619 Mode:

Note: 11g stand by

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1801	31.19	9.74	40.93	64.48	-23.55	peak	
2		0.4223	29.99	9.78	39.77	57.40	-17.63	peak	
3		0.6620	29.33	9.79	39.12	56.00	-16.88	peak	
4		1.1300	29.02	9.80	38.82	56.00	-17.18	peak	
5		2.5340	28.75	9.92	38.67	56.00	-17.33	peak	
6	*	3.7400	30.99	9.95	40.94	56.00	-15.06	peak	
7		11.3500	31.30	10.12	41.42	60.00	-18.58	peak	

*:Maximum data x:Over limit !:over margin

•Reference Only

File: M619(12-14-2006)(WIFI)\Data:#16

Page: 1



2.6.6 Conducted Emissions (Subpart C)

The following table show a summary of the highest emissions of power line conducted emissions to the HOT and NATURAL conductor of the EUT power.

Applicant : Inventec Corporation

Model No : Mercury 619 EUT : PDA PHONE

Test Mode : 802.11g CH1 (2412MHz)

Test Date : 01/30/2007

Please refer to next pager of detail testing data.

Notes:

- 1. L1: One end & Ground L2: The other end & Ground
- 2. Height of table on which the EUT was placed: 0.8 m.
- 3. The Quasi-Peak Value have already met the Average Value Limit showed on above limits.
- 4. The above test results are obtained under the normal condition.





Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

EUT: PDA M/N: M619 Mode: Note: 11g ch01 Phase: Power: Distance:

L1 AC 110V/60Hz Temperature:

26 °C

Humidity: 55 %

Reading Correct Measure-Limit Over No. Mk. Freq. Factor Level ment MHz dB dBuV dBuV dB dBuV Detector Comment 0.1675 32.86 42.59 65.08 1 9.73 -22.49peak 2 0.4909 29.39 9.78 39.17 56.15 -16.98 peak 3 1.1840 26.44 9.80 36.24 56.00 -19.76 peak 4 2.1740 25.41 9.88 35.29 56.00 -20.71 peak 5 3.6500 26.57 9.93 36.50 56.00 -19.50 peak 11.5500 6 30.53 10.12 40.65 60.00 -19.35 peak

*: Maximum data x:Over limit !:over margin •Reference Only

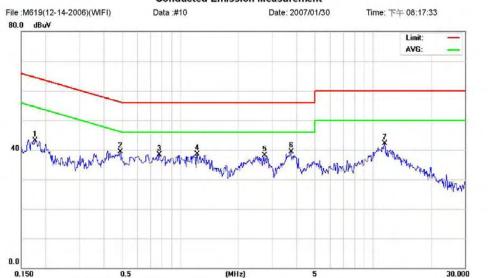
File:M619(12-14-2006)(WIFI)\Data:#9

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Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

Phase: Power:

26 °C Temperature: Humidity: 55 %

Distance:

L2

AC 110V/60Hz

EUT: PDA M/N: M619 Mode:

Note: 11g ch01

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1766	33.38	9.74	43.12	64.64	-21.52	peak	
2		0.4881	29.51	9.78	39.29	56.20	-16.91	peak	
3		0.7790	28.59	9.80	38.39	56.00	-17.61	peak	
4		1.2290	28.62	9.81	38.43	56.00	-17.57	peak	
5		2.7320	28.26	9.91	38.17	56.00	-17.83	peak	
6	*	3.7400	29.45	9.95	39.40	56.00	-16.60	peak	
7		11.4500	31.91	10.12	42.03	60.00	-17.97	peak	

*: Maximum data x:Over limit !:over margin •Reference Only

File: M619(12-14-2006)(WIFI)\Data:#10

Page: 1



2.6.7 Conducted Emissions (Subpart C)

The following table show a summary of the highest emissions of power line conducted emissions to the HOT and NATURAL conductor of the EUT power.

Applicant : Inventec Corporation

Model No : Mercury 619 EUT : PDA PHONE

Test Mode : 802.11g CH6 (2437MHz)

Test Date : 01/30/2007

Please refer to next pager of detail testing data.

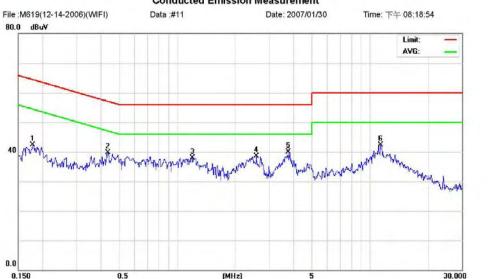
Notes:

- 1. L1: One end & Ground L2: The other end & Ground
- 2. Height of table on which the EUT was placed: 0.8 m.
- 3. The Quasi-Peak Value have already met the Average Value Limit showed on above limits.
- 4. The above test results are obtained under the normal condition.





Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

EUT: PDA

M/N: M619 Mode:

Note: 11g ch06

Phase: Power:

Distance:

L1 AC 110V/60Hz Temperature:

26 °C

Humidity: 55 %

Reading Correct Measure-Limit Over No. Mk. Freq. Level Factor ment MHz dB dBuV dBuV dB dBuV Detector Comment 0.1787 32.51 42.25 64.54 -22.29 1 9.74 peak 2 0.4370 29.98 9.78 39.76 57.12 -17.36 peak 3 1.1930 28.06 9.80 37.86 56.00 -18.14 peak 4 2.5789 28.57 9.93 38.50 56.00 -17.50 peak 5 3.7670 29.90 9.95 39.85 56.00 -16.15 peak 42.24 6 11.3500 32.12 10.12 60.00 -17.76 peak

*: Maximum data x:Over limit !:over margin •Reference Only

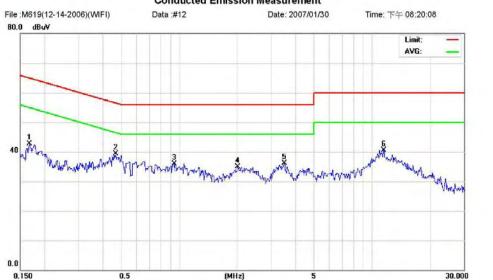
File:M619(12-14-2006)(WIFI)\Data:#11

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Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

Phase: Power: AC 110V/60Hz Distance:

L2

26 °C Temperature:

Humidity: 55 %

EUT: PDA M/N: M619

Mode:

Note: 11g ch06

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1668	32.92	9.73	42.65	65.11	-22.46	peak	
2	*	0.4671	29.54	9.78	39.32	56.57	-17.25	peak	
3		0.9410	26.12	9.81	35.93	56.00	-20.07	peak	
4		2.0030	25.15	9.85	35.00	56.00	-21.00	peak	
5		3.4970	26.06	9.95	36.01	56.00	-19.99	peak	
6		11.4500	30.39	10.12	40.51	60.00	-19.49	peak	

*: Maximum data x:Over limit !:over margin •Reference Only

File:M619(12-14-2006)(WIFI)\Data:#12

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2.6.8 Conducted Emissions (Subpart C)

The following table show a summary of the highest emissions of power line conducted emissions to the HOT and NATURAL conductor of the EUT power.

Applicant : Inventec Corporation

Model No : Mercury 619 EUT : PDA PHONE

Test Mode : 802.11g CH11 (2462MHz)

Test Date : 01/30/2007

Please refer to next pager of detail testing data.

Notes:

- 1. L1: One end & Ground L2: The other end & Ground
- 2. Height of table on which the EUT was placed: 0.8 m.
- 3. The Quasi-Peak Value have already met the Average Value Limit showed on above limits.
- 4. The above test results are obtained under the normal condition.





Conducted Emission Measurement



Site opensite #1

Limit: CISPR22 Class B Conduction(QP)

EUT: PDA

M/N: M619 Mode:

Note: 11g ch11

Phase:	L1	Temperature:	26 ℃
Power:	AC 110V/60Hz	Humidity:	55 %

Distance:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
1		0.1857	31.77	9.74	41.51	64.22	-22.71	peak		
2	*	0.4734	29.06	9.78	38.84	56.45	-17.61	peak		
3		0.9590	26.20	9.81	36.01	56.00	-19.99	peak		
4		2.0840	25.22	9.87	35.09	56.00	-20.91	peak		
5		3.6050	25.61	9.93	35.54	56.00	-20.46	peak		
6		10.8500	29.96	10.08	40.04	60.00	-19.96	peak		

*: Maximum data x:Over limit !:over margin •Reference Only

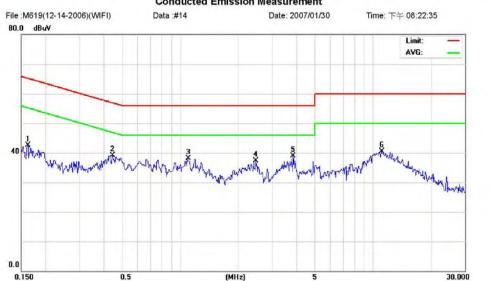
File: M619(12-14-2006)(WIFI)\Data:#13

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Conducted Emission Measurement



Site opensite #1

2.4710

3.8570

11.0500

Limit: CISPR22 Class B Conduction(QP)

EUT: PDA M/N: M619

Note: 11g ch11

Mode:

4

5

6

Phase: Power: Distance:

56.00 -18.78

60.00 -19.44

-17.11

56.00

L2 AC 110V/60Hz

peak

peak

peak

Temperature:

26 °C

Humidity: 55 %

Reading Correct Measure-Limit Over No. Mk. Freq. Level Factor ment MHz dB dBuV dBuV dB dBuV Detector Comment 0.1619 32.79 42.52 65.36 1 9.73 -22.84peak 2 0.4468 29.36 9.78 39.14 56.93 -17.79 peak 3 1.0940 28.23 9.80 38.03 56.00 -17.97 peak

37.22

38.89

40.56

*: Maximum data x:Over limit !:over margin

27.36

28.94

30.45

9.86

9.95

10.11

•Reference Only

File: M619(12-14-2006)(WIFI)\Data:#14

Page: 1



3. Radiated Emissions Requirements

3.1 Final radiation measurements were made on a three-meter:

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 meters height, top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 30 MHz to 26.5 GHz is investigated.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

A nonconductive material surrounded the EUT to supporting the EUT for standing on tree orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Biconilog Antenna (mode VULB9163) at 3 Meter and the SCHWARZBECK Double Ridged Guide Antenna (model BBHA9120D&9170) was used in frequencies 1 – 26.5 GHz at a distance of 1 meter. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20dB/decade).



For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts pre meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro colts per meter (dBuV/m).

The actual field is intensity in referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

(1) Amplitude (dBuV/m) = FI (dBuV) +AF (dBuV) +CL (dBuV)-Gain (dB)

FI= Reading of the field intensity.

AF= Antenna factor.

CL= Cable loss.

P.S Amplitude is auto calculate in spectrum analyzer.

(2) Actual Amplitude (dBuV/m) = Amplitude (dBuV)-Dis(dB)

The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:

(a) For fundamental frequency:

Transmitter Output < +30dBm

(b) For spurious frequency:

Spurious emission limits = fundamental emission limit /10



3.2 Test Equipment List:

Describe	Manufacturer	Model	Serial Number	Calib	ration		
Describe	Manufacturei	Wodel	Serial Nulliber	Cal. Date	Due Date		
Spectrum Analyzer	Agilent	E4408B	MY45107753	Apr. 27, 2006	Apr. 26, 2007		
Pre Amplifier	Amplifier Agilent 8449B 3008A022				May. 02, 2007		
Pre Amplifier	Agilent	8447D	2944A10961	Aug. 07, 2006 Aug. 07,			
Test Receiver	R&S	ESCI	100367	May. 03, 2006	May. 02, 2007		
Biconilog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	Jun. 26, 2006	Jun. 25, 2007		
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	Jun. 26, 2006	Jun. 25, 2007		
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	May. 02, 2006	May. 01, 2007		
Horn Antenna	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120E	0899	Jul. 29, 2006	Jul. 29, 2007		



3.3 Test Configuration:



Figure 5. Front View of the Test Configuration



Figure 6. Rear View of the Test Configuration



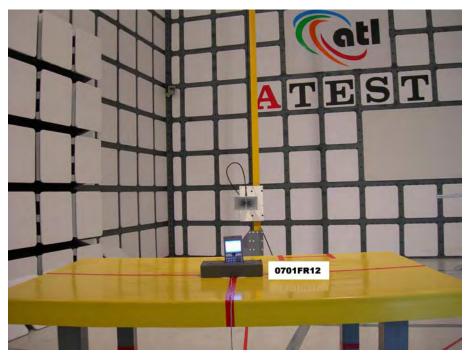


Figure 7. Front View of the Test Configuration

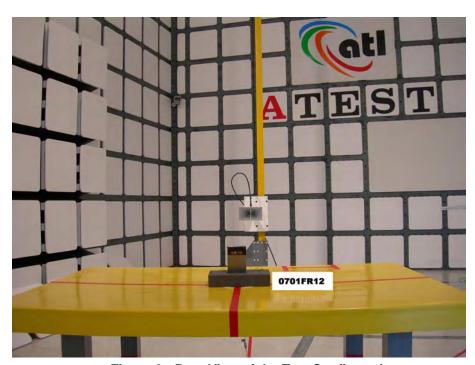


Figure 8. Rear View of the Test Configuration



3.4 Test condition:

EUT tested in accordance with the specifications given by the manufacturer, and exercised in the most unfavorable manner.

3.5 Radiated Emissions Limits:

Frequency range (MHz)	Peak(dBuV)
30 to 88	40
88 to 216	43.5
216 to 960	46
Above 960	54



3.6 Measurement Data of Radiated Emissions:

3.6.1 Open Field Radiated Emissions (Subpart B&C)

The highest peak values of radiated emissions from the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following.

Applicant : Inventec Corporation

Model No : Mercury 619 EUT : PDA PHONE

Test Mode : 802.11b CH1 2412.000 (Local Frequency: 2412.000 MHz)

Test Date : 01/30/2007

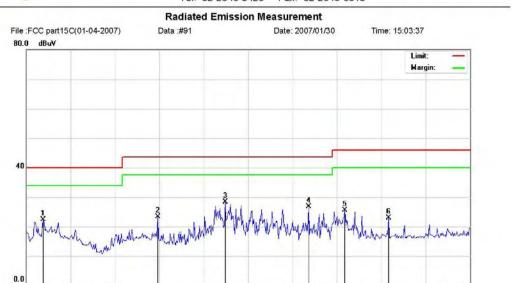
Please refer to next pager of detail testing data.

Notes:

- 1. Margin= Amplitude Limits
- 2. Distance of Measurement: 3 Meter (30-1000MHz) & (1-10GHz), 1 Meter (10-26.5GHz)
- 3. Height of table for EUT placed: 0.8 Meter.
- 4. ANT= Antenna height.
- 5. Amplitude= Reading Amplitude Amplifier gain + Cable loss + Antenna factor (Auto calculate in spectrum analyzer)
- 6. The EUT was worst case on X axis after pretest on X & Y & Z axis setting.
- 7. The testing data only show below 18GHz's data because measure data above 18GHz was only ambit noise.
- 8. All frequencies from 30MHz to 26.5GHz have been tested







Site opensite #1

30 000

Limit: FCC Class B 3M Radiation

84.00

EUT: PDA M/N: M619 Mode: 11b

Note: CH01(2412MHz)

Polarization: Vertical

192.00

219.00

246.00

Temperature: 22 ℃ Humidity: 60 %

300.00 MHz

Power: Distance: 3m

165.00

138.00

111.00

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		40.2600	34.13	-11.89	22.24	40.00	-17.76	peak	
2		109.9200	35.73	-12.50	23.23	43.50	-20.27	peak	
3	*	150.9600	44.27	-15.99	28.28	43.50	-15.22	peak	
4		201.7200	39.81	-13.14	26.67	43.50	-16.83	peak	
5		223.8600	37.76	-12.19	25.57	46.00	-20.43	peak	
6	7	250.3200	33.83	-10.84	22.99	46.00	-23.01	peak	

*:Maximum data x:Over limit !:over margin

•Reference Only

File: FCC part15C(01-04-2007)\Data:#91

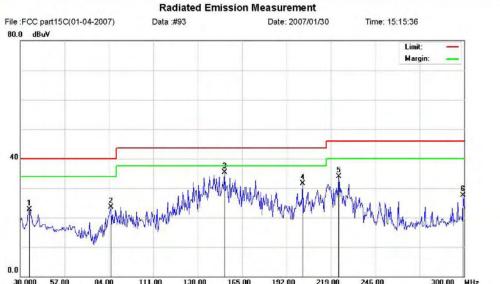
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Engineer Signature:





Tel. 02-2040-0420 Tax. 02-2040-00



Site opensite #1

Limit: FCC Class B 3M Radiation

EUT: PDA M/N: M619 Mode: 11b

Note: CH01(2412MHz)

Polarization: Horizontal

rizontal Temperature: 22 ℃ Humidity: 60 %

Power: Hu
Distance: 3m

Reading Correct Measure-Limit Over No. Mk. Freq. Level Factor ment MHz dBuV dB dBuV dBuV dB Detector Comment 35.4000 35.89 -13.09 22.80 40.00 -17.20 1 peak 2 85.0800 38.22 -14.71 23.51 40.00 -16.49 peak 3 154.2000 51.29 -15.92 35.37 43.50 -8.13 peak 201.7200 44.56 -13.14 31.42 43.50 -12.08 4 peak 5 223.8600 46.06 -12.19 33.87 46.00 -12.13 peak 299.4600 37.55 -10.00 27.55 46.00 -18.45 6 peak

*:Maximum data x:Over limit !:over margin

Reference Only

File: FCC part15C(01-04-2007)\Data:#93

Page: 1

Engineer Signature:





Radiated Emission Measurement File :FCC part15C(01-04-2007) Data :#92 Date: 2007/01/30 Time: 15:09:37 80.0 dBuV Limit: Margin 0.0

Site opensite #1

Limit: FCC Class B 3M Radiation

440.00

510.00

300.000 370.00

EUT: PDA M/N: M619 Mode: 11b

Note: CH01(2412MHz)

Polarization: Vertical

650.00

720.00

22 °C Temperature: Humidity: 60 %

1000.00 MHz

Power: Distance: 3m

790.00

860 00

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		329.4000	41.75	-9.44	32.31	46.00	-13.69	peak	
2		500.2000	38.74	-7.16	31.58	46.00	-14.42	peak	
3	*	549.2000	42.45	-6.01	36.44	46.00	-9.56	peak	
4		640.2000	37.71	-4.46	33.25	46.00	-12.75	peak	
5		902.0000	34.14	-0.32	33.82	46.00	-12.18	peak	
6		990.2000	30.46	0.93	31.39	54.00	-22.61	peak	

580.00

*:Maximum data x:Over limit !:over margin •Reference Only

File: FCC part15C(01-04-2007)\Data:#92

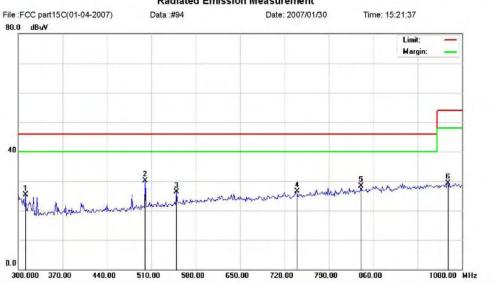
Page: 1

Engineer Signature:





Radiated Emission Measurement



Site opensite #1

Limit: FCC Class B 3M Radiation

EUT: PDA M/N: M619 Mode: 11b

Note: CH01(2412MHz)

Polarization: Horizontal

Horizontal Temperature: 22 ℃
Humidity: 60 %

Power: Distance: 3m

No.	Mk	c Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		311.2000	35.14	-9.82	25.32	46.00	-20.68	peak	
2	*	500.2000	37.32	-7.16	30.16	46.00	-15.84	peak	
3		549.2000	32.27	-6.01	26.26	46.00	-19.74	peak	
4		739.6000	29.82	-3.28	26.54	46.00	-19.46	peak	
5		840.4000	29.67	-1.41	28.26	46.00	-17.74	peak	
6		977.6000	28.71	0.54	29.25	54.00	-24.75	peak	

*:Maximum data x:Over limit !:over margin

•Reference Only

File: FCC part15C(01-04-2007)\Data:#94

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Engineer Signature:





Radiated Emission Measurement



Site opensite #1

Limit: FCC part 15 (PK)

EUT: PDA M/N: M619 Mode: 11b

Note: CH01(2412MHz)

Polarization: **Vertical** Power:

Temperature: 22 ℃

Humidity: 60 %

Distance: 3m

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		2264.800	53.79	0.44	54.23	74.00	-19.77	peak	
2	*	2264.800	41.86	0.44	42.30	54.00	-11.70	AVG	

*:Maximum data x:Over limit !:over margin

•Reference Only

File: FCC part15C(01-04-2007)\Data:#31

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Engineer Signature:





Radiated Emission Measurement



Site opensite #1

Limit: FCC part 15 (PK)

EUT: PDA M/N: M619 Mode: 11b

Note: CH01(2412MHz)

Polarization: **Horizontal** Power:

Temperature: 22 ℃

Humidity: 60 %

Distance: 3m

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		2244.400	53.89	0.46	54.35	74.00	-19.65	peak	
2	*	2244.400	42.20	0.46	42.66	54.00	-11.34	AVG	

*:Maximum data x:Over limit !:over margin

•Reference Only

File: FCC part15C(01-04-2007)\Data:#33

Page: 1

Engineer Signature:





Radiated Emission Measurement



Site opensite #1

Limit: FCC part 15 (PK)

EUT: PDA M/N: M619 Mode: 11b

Note: CH01(2412MHz)

Polarization: Vertical

Temperature: 22 ℃

Humidity: 60 %

Power: Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		4817.000	42.19	7.42	49.61	74.00	-24.39	peak	
2	*	4817.000	32.44	7.42	39.86	54.00	-14.14	AVG	

*:Maximum data x:Over limit !:over margin

•Reference Only

File: FCC part15C(01-04-2007)\Data:#51

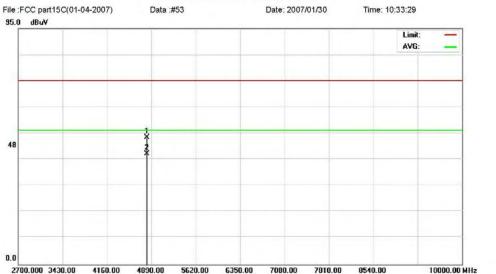
Page: 1

Engineer Signature:





Radiated Emission Measurement



Site opensite #1

Limit: FCC part 15 (PK)

EUT: PDA M/N: M619 Mode: 11b

Note: CH01(2412MHz)

Polarization: Horizontal

Temperature: 22 ℃ Humidity: 60 %

Power:

Distance: 3m

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		4817.000	43.88	7.42	51.30	74.00	-22.70	peak	
2	*	4817.000	37.14	7.42	44.56	54.00	-9.44	AVG	

*:Maximum data x:Over limit !:over margin

•Reference Only

File: FCC part15C(01-04-2007)\Data: #53

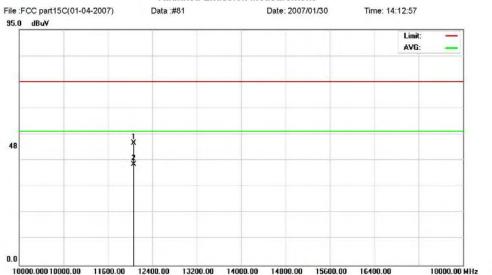
Page: 1

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Radiated Emission Measurement



Site opensite #1

Limit: FCC part 15 (PK)

EUT: PDA M/N: M619 Mode: 11b

Note: CH01(2412MHz)

Polarization: Vertical Temperature: 22 °C
Power: Humidity: 60 %

Distance: 1m

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		12060.00	36.57	12.79	49.36	74.00	-24.64	peak	
2	*	12060.00	28.02	12.79	40.81	54.00	-13.19	AVG	

*:Maximum data x:Over limit !:over margin

•Reference Only

File: FCC part15C(01-04-2007)\Data:#81

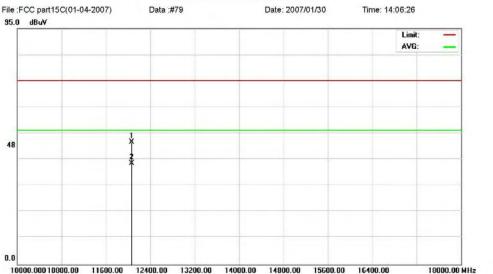
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Engineer Signature:





Radiated Emission Measurement



Site opensite #1

Limit: FCC part 15 (PK)

EUT: PDA M/N: M619 Mode: 11b

Note: CH01(2412MHz)

Polarization: Horizontal Temperature: 22 °C
Power: Humidity: 60 %

Distance: 1m

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment	
1		12060.00	36.53	12.79	49.32	74.00	-24.68	peak		
2	*	12060.00	28.01	12.79	40.80	54.00	-13.20	AVG		

*:Maximum data x:Over limit !:over margin

•Reference Only

File: FCC part15C(01-04-2007)\Data: #79

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3.6.2 Open Field Radiated Emissions (Subpart B&C)

The highest peak values of radiated emissions from the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following

Applicant : Inventec Corporation

Model No : Mercury 619 EUT : PDA PHONE

Test Mode : 802.11b CH6 2437.000 (Local Frequency: 2437.000 MHz)

Test Date : 01/30/2007

Please refer to next pager of detail testing data.

Notes:

1. Margin= Amplitude - Limits

2. Distance of Measurement: 3 Meter (30-1000MHz) & (1-10GHz), 1 Meter (10-26.5GHz)

3. Height of table for EUT placed: 0.8 Meter.

4. ANT= Antenna height.

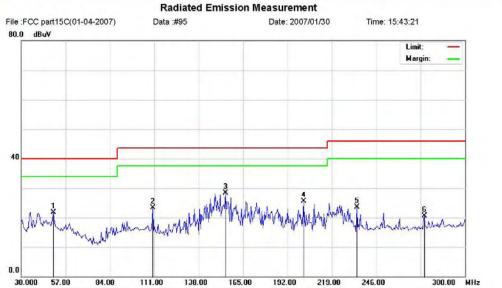
 Amplitude= Reading Amplitude – Amplifier gain + Cable loss + Antenna factor (Auto calculate in spectrum analyzer)

- 6. The EUT was worst case on X axis after pretest on X & Y & Z axis setting.
- 7. The testing data only show below 18GHz's data because measure data above 18GHz was only ambit noise.
- 8. All frequencies from 30MHz to 26.5GHz have been tested





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Site opensite #1

Limit: FCC Class B 3M Radiation

EUT: PDA M/N: M619 Mode: 11b

Note: CH06(2437MHz)

Polarization: **Vertical** Power:

Temperature: 22 ℃ Humidity: 60 %

Distance: 3m

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		49.4400	33.85	-12.12	21.73	40.00	-18.27	peak	
2		109.9200	35.82	-12.50	23.32	43.50	-20.18	peak	
3	*	154.2000	44.20	-15.92	28.28	43.50	-15.22	peak	
4		201.7200	38.69	-13.14	25.55	43.50	-17.95	peak	
5		234.1200	35.29	-11.75	23.54	46.00	-22.46	peak	
6		275.1600	31.38	-10.78	20.60	46.00	-25.40	peak	

*:Maximum data x:Over limit !:over margin

•Reference Only

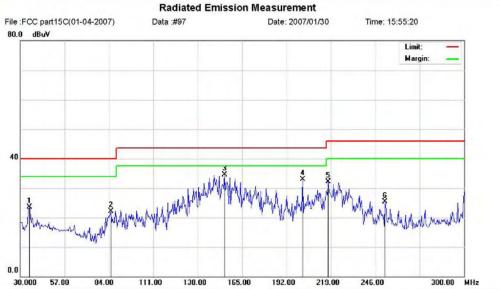
File: FCC part15C(01-04-2007)\Data:#95

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Engineer Signature:







Site opensite #1

Limit: FCC Class B 3M Radiation

EUT: PDA M/N: M619 Mode: 11b

Note: CH06(2437MHz)

Polarization: **Horizontal**Power:

Temperature: 22 ℃

Humidity: 60 %

Distance: 3m

No.	Mk	Freq.	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit	Over	Detector	Comment
1		35.4000	36.63	-13.09	23.54	40.00	-16.46	peak	
2		85.0800	36.91	-14.71	22.20	40.00	-17.80	peak	
3	*	154.2000	50.47	-15.92	34.55	43.50	-8.95	peak	
4		201.7200	46.02	-13.14	32.88	43.50	-10.62	peak	
5	- 5	217.3800	44.68	-12.55	32.13	46.00	-13.87	peak	
6		251.9400	36.30	-10.95	25.35	46.00	-20.65	peak	

*:Maximum data x:Over limit !:over margin

•Reference Only

File: FCC part15C(01-04-2007)\Data:#97

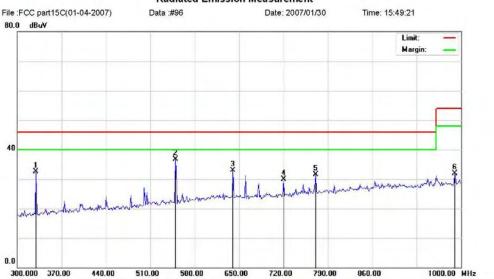
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Engineer Signature:





Radiated Emission Measurement



Site opensite #1

Limit: FCC Class B 3M Radiation

EUT: PDA M/N: M619 Mode: 11b

Note: CH06(2437MHz)

Polarization: Vertical

22 °C Temperature: Humidity: 60 %

Power: Distance: 3m

No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		329.4000	41.90	-9.44	32.46	46.00	-13.54	peak	
2	*	549.2000	42.74	-6.01	36.73	46.00	-9.27	peak	
3		640.2000	37.33	-4.46	32.87	46.00	-13.13	peak	
4		720.0000	33.39	-3.55	29.84	46.00	-16.16	peak	
5		770.4000	34.09	-2.60	31.49	46.00	-14.51	peak	
6		990.2000	30.99	0.93	31.92	54.00	-22.08	peak	

*:Maximum data x:Over limit !:over margin •Reference Only

File: FCC part15C(01-04-2007)\Data:#96

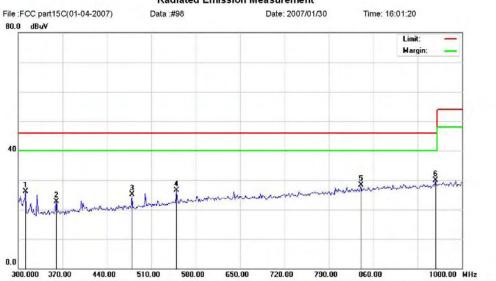
Page: 1

Engineer Signature:





Radiated Emission Measurement



Site opensite #1

Limit: FCC Class B 3M Radiation

EUT: PDA M/N: M619 Mode: 11b

Note: CH06(2437MHz)

Polarization: **Horizontal** Power:

Temperature: 22 ℃

Humidity: 60 %

Distance: 3m

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		311.2000	35.90	-9.82	26.08	46.00	-19.92	peak	
2		360.2000	31.70	-8.97	22.73	46.00	-23.27	peak	
3		479.2000	32.76	-7.60	25.16	46.00	-20.84	peak	
4		549.2000	32.57	-6.01	26.56	46.00	-19.44	peak	
5	-	840.4000	29.70	-1.41	28.29	46.00	-17.71	peak	
6	*	958.0000	29.53	0.35	29.88	46.00	-16.12	peak	

*:Maximum data x:Over limit !:over margin

•Reference Only

File: FCC part15C(01-04-2007)\Data:#98

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Engineer Signature:





Radiated Emission Measurement



Site opensite #1

Limit: FCC part 15 (PK)

EUT: PDA M/N: M619 Mode: 11b

Note: CH06(2437MHz)

Polarization: **Vertical** Power:

Distance: 3m

Temperature: 22 ℃

Humidity: 60 %

Humidity:

Reading Correct Measure-Limit Over No. Mk. Freq. Level Factor ment MHz dBuV dB dBuV dB Detector Comment 2370.200 58.60 0.18 58.78 74.00 -15.22 1 peak 2 * 2370.200 41.48 0.18 41.66 54.00 -12.34 AVG

*:Maximum data x:Over limit !:over margin

•Reference Only

File: FCC part15C(01-04-2007)\Data:#37

Page: 1

Engineer Signature:





Radiated Emission Measurement



Site opensite #1

Limit: FCC part 15 (PK)

EUT: PDA M/N: M619 Mode: 11b

Note: CH06(2437MHz)

Polarization: **Horizontal** Power:

Temperature: 22 ℃

Humidity: 60 %

Distance: 3m

No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		2336.200	53.42	0.27	53.69	74.00	-20.31	peak	
2	*	2336.200	42.31	0.27	42.58	54.00	-11.42	AVG	

*:Maximum data x:Over limit !:over margin

•Reference Only

File: FCC part15C(01-04-2007)\Data:#35

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Engineer Signature: