FCC COMPLIANCE REPORT

Order No. : **SKE-04-0874/E**
Reference No. : **F690501/LF-EMC000630**
Applicant : **MobiTechPlus Inc.**
Address of Applicant : **32-4, Songwol-Dong, Jongno-Gu, Seoul, 110-101, Korea**

Equipment Under Test (EUT) :
Product Name : PC Camera
Model No. : MW-200
FCC ID : SIXMW200

Standards : FCC Part 15, Subpart B, Class B
ANSI C63.4:2001

Date of Receipt : **09 September 2004**
Date of Test : **09 September 2004 to 10 September 2004**
Date of Issue : **13 September 2004**

Test Result :	**PASS**

In the configuration tested, the EUT complied with the standards specified above.

Remarks :

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

Kew-Seung, Lim
EMC DIV. Manager
SGS Testing Korea Co., Ltd.

Contents

1. General Information

1.1 Manufacturer Information

Manufacturer : MobiTechPlus Inc.

Address : 32-4, Songwol-Dong, Jongno-Gu, Seoul, 110-101, Korea

1.2 General Description of EUT

Product Name : PC Camera

Model No. : MW-200

FCC ID : SIXMW200

Serial No : MW200A104C

1.3 Details of EUT

Tested Power Supply : AC 110V, 60Hz

Port : USB

Description of Operating : Connect to the Note PC and input video data through EUT and output it through Note PC.

Modifications to the EUT : None

1.4 Description of Support Units

Product	Model No.	Serial No.	Manufacturer
Note PC	AVERATEC 3200	N/A	TriGem Computer, Inc.

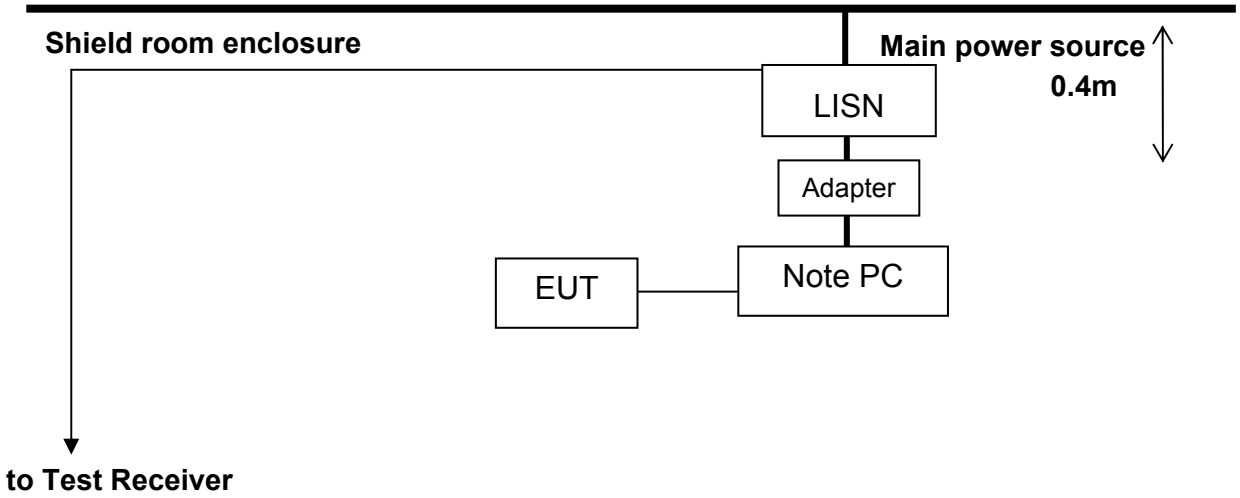
1.5 Cable List

Start		END		Cable Spec	
Name	I/O Port	Name	I/O Port	Length	Shield
EUT	USB	Note PC	USB	2.5	Shielded
Note PC	USB DC IN	EUT Adapter	USB -	2.5 1.0	Shielded Unshielded
Adapter	-	LISN	-	1.0	Unshielded

1.6 System Configuration

Description	Model	Serial No.	Manufacturer
Main Board	N/A	N/A	N/A

1.7 Test Set-Up Configuration



1.8 Measurment Procedure

Conducted Emission Testing was performed according ANSI C63.4:2001 in a shielded room with peripherals placed on a table, 0.8m high over a metal floor. It was located more than required distance away from the shielded room wall.

Radiated Emission Testing was performed according to ANSI C63.4:2001 at the open field test site. The EUT was placed in a 0.8m high table along with the peripherals. The turn table was separated from the antenna distance 10meters. Cables were placed in a position to produce maximum emissions as determined by experimentation, and operation mode was selected for maximum.
The frequencies and amplitudes of maximum emission were measured at varying azimuths, antenna heights and antenna polarities. Reported are maximized emission levels.

1.9 Standards Applicable for Testing

Table of tests to be carried out under FCC Part 15, Subpart B, CLASS B

Test Standards	Status
FCC Part 15,Subpart B, Class B	Applicable
Deviation from Standard	No Deviation

1.10 Summary of Results

The data collected shows that Model **MW-200** complies with Part 15.109 and 107 of FCC Technical Rules.
The highest emission level observed was at 15.59MHz for Q/P mode conducted emission with a margin of 15.3dB and at 15.59MHz for AV mode conducted emission with a margin of 8.0dB and at 176.58MHz radiated emission with a margin of 7.16dB.

Radio Disturbance

2.1 Test Results

	Results
Conducted Emission	**PASS**
Radiated Emission	**PASS**

2.2 Frequency Range

Conducted Emission : 150 kHz - 30 MHz

Radiated Emission : 30 MHz - 1000 MHz, Above 1000MHz

2.3 Limits Of Conducted And Radiated Emission

2.3.1 Limit Of Conducted Emission Of FCC Part 15, Subpart B

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi - peak	Average	Quasi - peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

Note : (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected there to, shall not exceed the level of field strengths specified above.

2.3.2 Limit Of Radiated Emission Of FCC Part 15, Subpart B

FREQUENCY (MHz)	Class A (at 10m)*	Class B (at 10m)*
	dBuV/m	dBuV/m
30-230	40	30
230-1000	47	37

* Detector Function : Quasi - Peak

2.4.Test of Conducted Emission

2.4.1 Test Equipments

Equipment	Manufacturer	Model No.	Date of Calibration
Test Receiver	R & S	ESPC	Nov. 2003
LISN	EMCO	3825/2	Dec. 2003
LISN	EMCO	3825/2	Nov. 2003
Pulse Limiter	PMM	PL-01	Jul. 2004
Shielded Room	N/A	N/A	-

2.4.2 Test Site

Name and address : SGS Testing Korea Co., Ltd.
18-34, Sanbon-dong, Gunpo, Gyeonggi-do, Korea, 435-041

2.4.3 Operating Environment

Temperature : 22.5 degree C Humidity : 39.5 %RH
Atmospheric Pressure : 1002 mBar

2.4.4 Measurement Data

Measurment Bandwidth : 9kHz

Date of Test : September 09 2004

FREQ.	LEVEL(dBμV)		LINE	LIMIT(dBμV)		MARGIN(dBμV)	
(MHz)	Q-Peak	Average		Q-Peak	Average	Q-Peak	Average
0.16	47.4	26.4	N	65.5	55.5	18.1	29.1
0.19	47.0	35.5	N	64.0	54.0	17.0	18.5
0.22	40.9	25.6	N	62.8	52.8	21.9	27.2
0.25	38.5	23.9	N	61.8	51.8	23.3	27.9
3.74	33.9	20.6	N	56.0	46.0	22.1	25.4
15.59	44.7	42.0	N	60.0	50.0	15.3	8.0

* *Measurements using CISPR quasi-peak mode*

See – Ho, Lee / Test Engineer

2.5 Test of Radiated Emission

2.5.1 Test Instruments

Description	Manufacturer	Model No.	Date of Calibration
Test Receiver	R & S	ESVS30	Dec. 2003
Spectrum Analyzer	H.P	E4411A	Oct. 2003
RF Amplifier	H.P	8447F	May. 2004
Bilog Antenna	Schaffner	CBL6111C	Apr. 2004
RF Select s/w	DAIWA	CS201	Apr. 2004
Open Site	N/A	N/A	-

2.5.2 Test Site

Name and address : SGS Testing Korea Co., Ltd.
18-34, Sanbon-dong, Gunpo, Gyeonggi-do, Korea, 435-041

2.5.3 Operating Environment

Temperature : 18.5 degree C Humidity : 46.7 %RH
Atmospheric Pressure : 997 mBar

2.5.4 Measurement Data

Measurment Bandwidth : 120kHz

Date of Test : September 10 2004

FREQ. (MHz)	LEVEL (dBμV)	POL (H/V)	AF (dB)	CL (dB)	F/S (dBμV/m)	LIMIT (dB)	MARGIN (dBμV)
176.58	10.0	V	9.30	3.55	22.84	30.0	7.16
239.94	12.0	V	11.77	3.92	27.69	37.0	9.31
256.71	7.5	V	12.59	4.05	24.14	37.0	12.86
304.92	9.3	V	13.22	4.46	26.98	37.0	10.02
316.72	7.3	V	13.55	4.60	25.45	37.0	11.55
432.10	6.5	V	16.43	5.89	28.82	37.0	8.18

* *AF = Antenna Factor.* ** *CL = Cable Loss.*

*** *Margin=Each Frequency Limit Level(dBuV) - (Level+AF+CL)*

See – Ho, Lee / Test Engineer

3. Photographs of Test

- **Front View of Conducted Emission**

- **Rear View of Conducted Emission**

- **Front View of Radiated Emission**

- **Rear View of Radiated Emission**

Appendix A : Conducted Emission Test Data

MobiTechPlus Inc.

MW-200

EUT:	PC CAMERA
Manuf:	MobiTechPlus Inc.
Op Cond:	NEUTRAL
Operator:	S.H.LEE
Test Spec:	FCC Part 15
Comment:	

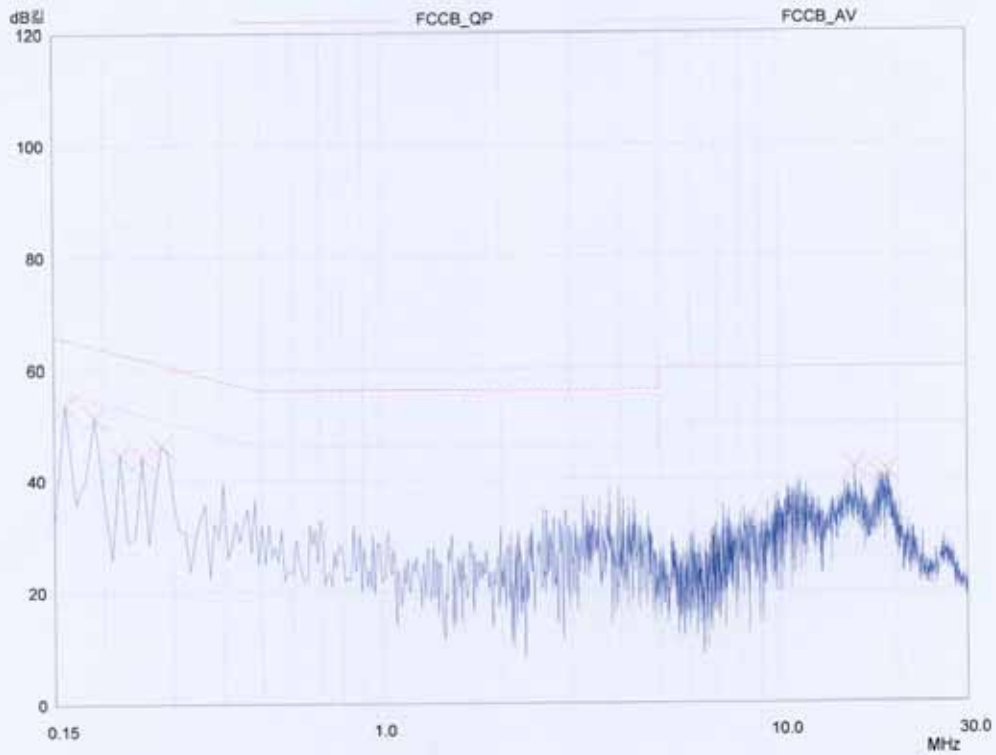
File: e0874n.dat : New Measurement

Prescan Measurement: X PK

Meas Time: see scan settings

Peaks: 8

Acc Margin: 40 dB



MobiTechPlus Inc.

MW-200

EUT:	PC CAMERA
Manuf:	MobiTechPlus Inc.
Op Cond:	HOT
Operator:	S.H.LEE
Test Spec:	FCC Part 15
Comment:	

File: e0874h.dat : New Measurement

Prescan Measurement: X PK

Meas Time:	see scan settings
Peaks:	8
Acc Margin:	40 dB