

Test Report No.: NK2HE331.FCC

FCC Certification

Nemko Korea CO., Ltd.

300-2, Osan-Ri, Mohyun-Myun, Yongin-City, Kyungki-Do, KOREA TEL(031)322-2333 FAX(031)322-2332

FCC EVALUATION REPORT FOR CERTIFICATION

Manufacture:

Woori Technology Inc. #1205, 12F, Byucksan Digital Valley III, 212-13, Guro-Dong, Guro-Gu, Seoul, Korea Dates of Tests: April 23 – May 21, 2007 Test Report No.: NK 2H E 331.FCC

Test Site: Nemko Korea Co., Ltd.

EMC site, Korea.

Attn: Y. S. Um

FCC ID

MODEL

BRAND NAME

CONTACT PERSON

RO3MV-5

MV-5

LEXICON

#1205, 12F, Byucksan Digital Valley III,, 212-13, Guro-Dong, Guro-Gu, Seoul, Korea

Y.S. Um

Telephone No.: +82-2-2102-5315

FCC Rule Part(s) Part 15 & 2

Classification FCC Class B Device (AV Processor Preamplifier)

Audio IN/OUT (14), 8CH Direct IN (8), 8CH Pre-Amp. OUT (9), Port/Connector(s)

> Digital Coaxial IN (4), Component Video IN/OUT (4), S-Video IN/OUT (5), Composite Video IN/OUT (5), IR IN (1), Trigger OUT (2), RS-232 (1), USB (1),

DMP the Bridge (1), HDMI IN/OUT (3), Microphone (1)

The device bearing the trade name and model specified above has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2003.

The test results of this report are deemed satisfactory evidence of compliance with Industry Canada Interference-Causing Equipment Standard ICES-003.

I attest to the accuracy of data and all measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

Test By: J. Y. YU

Engineer

Reviewed By: H.H. Kim

Manager & Chief Engineer





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MEASUREMENT REPORT

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

Responsible Party*: WOORI Technology Inc.

Contact Person : Mr. Y. S. Um

Tel No.: +82-2-2102-5315 Fax No.: +85-2-2102-5319

Factory: Guangzhou Telefield Ltd.

No. 1 Industrial Area, Zhuliao, Guanzhou Baiyun Area,

Guangdong Province, P.R. China.

Tel No.: +86-20-8744-0109(ext. 218)

Mr. Young Dae, Rho (Managing Director)

• FCC ID: RO3MV-5

• Trade / Model: MV-5

• Brand Name: *LEXICON*

• EUT Type: AV Processor Preamplifier

• Port/Connectors: Audio IN/OUT (14), 8CH Direct IN (8), 8CH Pre-Amp. OUT (9),

Digital Coaxial IN (4), Component Video IN/OUT (4), S-Video IN/OUT (5), Composite Video IN/OUT (5), IR IN (1), Trigger OUT (2), RS-232 (1), USB (1),

DMP the Bridge (1), HDMI IN/OUT (3), Microphone (1),

• Classification: FCC Class B

• Rule Part(s): FCC Part 15 & Part 2, ICES-003

• **Test Procedure(s):** ANSI C63.4 (2003)

• **Dates of Test:** April 23 – May 21, 2007

• Place of Tests: Nemko Korea Co., Ltd. EMC Site

■ Test Report No.: NK 2H E 331. FCC

^{*} NOTE: Please refer to the duties and responsibilities of the Responsible Party attached.



INTRODUCTION

The measurement procedure described in American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz (ANSI C63.4-2003) was used in determining radiated and conducted emissions emanating from **WOORI Technology Inc.**

FCC ID: RO3MV-5, AV Processor Preamplifier.

These measurement tests were conducted at *Nemko Korea Co., Ltd. EMC Laboratory*. The site address is 300-2, Osan-Ri, Mohyeon-Myeon, Cheoin-Gu, Yongin-City, Gyeonggi-Do, KOREA

The area of Nemko Korea Corporation LTD. EMC Test Site is located in a mountain area at 50 kilometers (30 miles) southeast and Seoul International Airport (Incheon Airport), 30 kilometers (18 miles) south-southeast from central Seoul.

It is located in the valley surrounded by mountains in all directions where ambient radio signal conditions are quiet and a favorable area to measure the radio frequency interference on open field test site for the computing and ISM devices manufactures.

The detailed description of the measurement facility was found to be in compliance with the requirements of \$2.948 according to ANSI C63.4 on June 06, 2003.



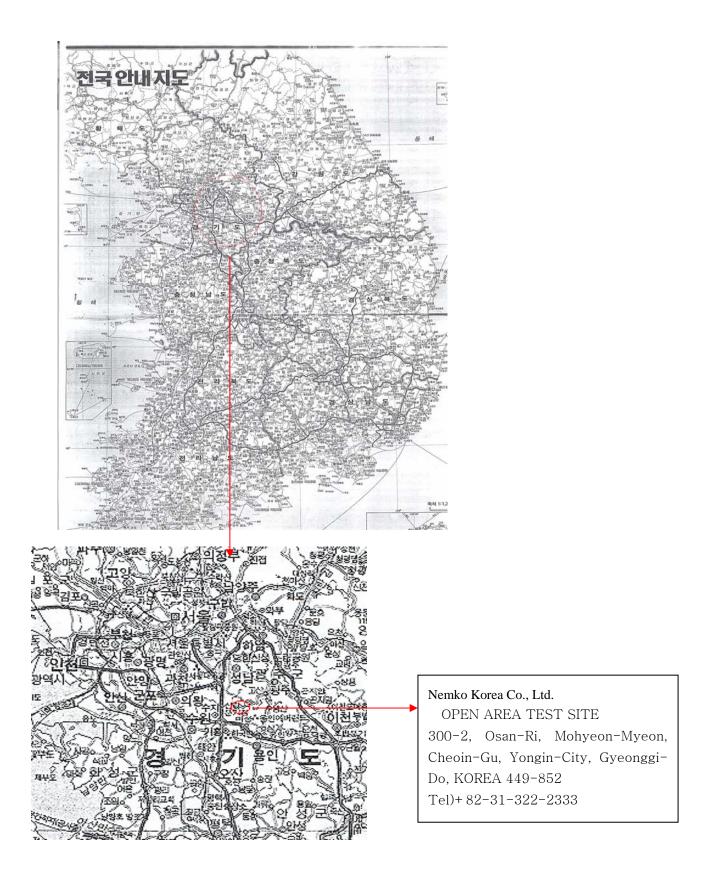


Fig. 1. The map above shows the Seoul in Korea vicinity area.

The map also shows Nemko Korea Corporation Ltd. EMC Lab and Incheon Airport.



PRODUCT INFORMATION

Equipment Description:

The Equipment Under Test (EUT) is the WOORI Technology Inc.

FCC ID: RO3MV-5, AV Processor Preamplifier.

Clock: 14.318 MHz (Y100), 17.734 MHz (Y101), 13.5 MHz (Y103),

28.322 MHz (Y104), 27.0 MHz (Y105), 5.0 MHz (Y105),

6.0 MHz (Y111), 24.576 MHz (Y413)

Chipset(s): LC74763 (IC27), FLI2300 (IC47),

SLI 9031CTU (IC55), ADV7401BSTZ (IC24), uPD70F3261YGC (IC22),

TUSB3200A (IC14), TMS320DA610 (IC91)

Port(s): Audio IN/OUT (14), 8CH Direct IN (8), 8CH Pre-Amp. OUT (9),

Digital Coaxial IN (4), Component Video IN/OUT (4), S-Video IN/OUT (5), Composite Video IN/OUT (5), IR IN (1), Trigger OUT (2), RS-232 (1), USB (1),

DMP the Bridge (1), HDMI IN/OUT (3), Microphone (1)

Power

Consumption:

AC 100-240V/50-60 Hz 50 W

PWB Description

P.W. Board Name	Part No.(Model)	Manufacture	S/N.	Remark
Processor	PB-E21-KPOB-20	Woori Technology Inc.	N/A	
Front	PB-E21-BFAI-20	Woori Technology Inc.	N/A	
DSP	PB-E06-KDSH-20	Woori Technology Inc.	N/A	
Video	PB-E06-KVDJ-20	Woori Technology Inc.	N/A	
RS232	PB-E21-KRSB-20	Woori Technology Inc.	N/A	
SMPS Power	KSP-S884	Kwang Sung	N/A	

EMI suppression device(s) installed in production:

see circuit diagram (Appendix B)

EMI suppression device(s) added and/or modified during testing:

none



TEST CONDITIONS

Operating During Test

The audio output signal of EUT was adjusted by the volume control to be 1/8 W of the rated Max. output power for each output and observed.

Support Equipment

Description	Model No.	Spec.	Manufacture	S/N	Remark
AV Processor (EUT	RO3MV-5	120 V/60 Hz	WOORI TG	N/A	
RCA Cable	-	-	-	N/A	1.5 M Shield Cable
S-Video Cable	-	-	1	N/A	1.5 M Shield Cable
Component Video	-	-	-	N/A	1.5 M Shield Cable
Remote Cable	-	-	-	N/A	1.5 M Shield Cable
Microphone	Ez Set/EQ	-	Harman Kardon	N/A	5.0 M Non Shield Cable
DMP the Bridge	The Bridge	-	Harman Kardon	SZHKB-0000074	1.6 M Shield Cable
USB Cable	-	-	-	-	3.0 M Shield Cable
RS-232C	-	-	-	-	2.0 M Shielded
Notebook	CM2080	P-III	Compaq	5Y12FP74KC49	
Notebook Adapter	PA-1600-02		Lite-Elec.		2.0M Shield cable
Printer	C6429A		Н.Р	MY9C6110DQ	2.0M Shield D-sub cable
Keyboard	ACK-260	-	Solid Year Co.	9101044844	1.8M shield Din cable
PS/2 Mouse	M-BD53	-	Logitech	LZE04251831	1.8M shield Din cable

WOORI Technology Inc.



SUMMARY OF TEST RESULT

The EUT has been tested according to the following specification:

Name of Test	Part No.(Model)	Manufacture	Remark
Conducted Emission	15.107(a)	Complies	
Radiated Emission	15.109(a)	Complies	

RECOMMENDATION/CONCLUSION

The data collected shows that the WOORI Technology Inc.

FCC ID: RO3MV-5, AV Processor Preamplifier (Model: MV-5) complies with §15.107 and 15.109 of the FCC Rules.

The highest emission observed was at 0.36 MHz for DVD analog 7CH stereo Mode of conducted emissions with a average margin of 11.8 dB and at 190.61 MHz for radiated emissions others mode with a margin of 6.4 dB.

DESCRIPTION OF TESTS

Conducted Emissions

The Line conducted emission test facility is located inside a 4 X 7 X 2.5 meter shielded enclosure.

It is manufactured by EM engineering. The shielding effectiveness of the shielded room is in accordance with MIL-STD-285 or NSA 65-6.

A 1.0 X 1.5 M wooden table 0.8m height is placed 0.4 m away from the vertical wall and 1.5 m away from the side of wall of the shielded room

Rohde & Schwarz (ESH3-Z5) and Kyoritsu (KNW-407) of the 50 ohm/50 uH Line Impedance Stabilization Network (LISN) are bonded to the shielded room.

The EUT is powered from the Rohde & Schwarz LISN and the support equipment is powered from the Kyoritsu LISN. Power to the LISN's are filtered by high-current high insertion loss power line filters. The purpose of filter is to attenuate ambient signal interference and this filter is also bonded to shielded enclosure. All electrical cables are shielded by tinned copper zipper tubing with inner diameter of 1/2".

If DC power device, power will be derived from the source power supply it normally will be powered from and this supply lines will be connected to the LISN's,

All interconnecting cables more than 1 meter were shortened by non inductive bundling (serpentine fashion) to a 1 meter length.

Sufficient time for EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF out put of the LISN was connected to the spectrum analyzer to determine the frequency producing the maximum EME from the EUT. The spectrum was scanned from 150 kHz to 30 MHz with 20msec sweep time.

The frequency producing the maximum level was re-examined using the EMI test receiver. (Rohde & Schwarz ESCS30).

The detector function was set to CISPR quasi-peak mode.

The bandwidth of receiver was set to 9 kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each EME emission.

Each emission was maximized by; switching power lines; varying the mode of operation or resolution; clock or data exchange speed; scrolling H pattern to the EUT and of support equipment, and powering the monitor from the floor mounted outlet-box and computer aux AC outlet, if applicable; which ever determined the worst case emission.

Each EME reported was calibrated using the R&S signal generator.

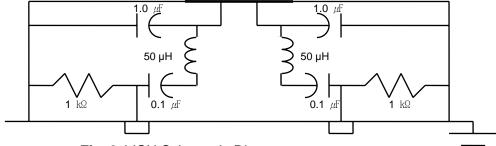


Fig. 2. LISN Schematic Diagram



Radiated Emissions

Preliminary measurements were made indoors at 3 meter using broad band antennas, broadband amplifier, and spectrum analyzer to determine the frequency producing the maximum EME. Appropriate precaution was taken to ensure that all EME from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, turntable azimuth with respect to the antenna was note for each frequency found. The spectrum was scanned from 30 to 1000 MHz using Biconical log Antenna (ARA, LPB-2520/A). Above 1 GHz, Doppels Teg Horn antenna (EMCO, DAA-37121:upto 1~18 GHz) was used.

Final Measurements were made outdoors at 3 or 10m test range using Logbicon Super Antenna (Schwarzbeck, VULB9168) or Doppels Teg Horn antenna (EMCO, DAA-37121) The test equipment was placed on a wooden table.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition.

Each frequency found during pre-scan measurements was reexamined and investigated using EMI test receiver. (ESCS30)

The detector function was set to CISPR quasi-peak mode and the bandwidth of the receiver was set to 120 kHz or 1MHz depending on the frequency or type of signal.

The half wave dipole antenna was tuned to the frequency found during preliminary radiated measurements.

The EUT support equipment and interconnecting cables were re configured to the setup producing the maximum emission for the frequency and were placed on top of a 0.8 m high non- metallic 1.0 X 1.5 meter table.

The EUT, support equipment and interconnecting cables were re-arranged and manipulated to maximize each EME emission.

The turn table containing the system was rotated; the antenna height was varied 1 to 4meter and stopped at the azimuth or height producing the maximum emission Each emission was maximized by: switching power lines; varying the mode of operation or resolution; clock or data exchange speed; scrolling H pattern to the EUT and of support equipment, and powering the monitor from the floor mounted outlet-box and computer aux AC outlet, if applicable; which ever determined the worst case emission.

Each EME reported was calibrated using the R/S signal generator.

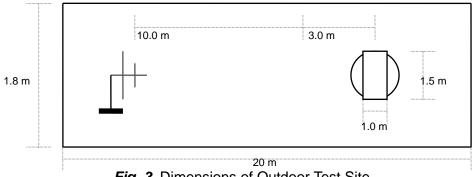


Fig. 3. Dimensions of Outdoor Test Site

TEST DATA

Conducted Emissions

FCC ID: RO3MV-5

1. Test Mode: DVD 7CH Stereo Mode (with Ground)

Frequency	Level(dBµV)		T :	Limit	(dBµV)	Marg	in(dB)
(MHz)	Q-Peak	Average	Line	Q-Peak	Average	Q-Peak	Average
0.15	36.1	19.0	L1	66.0	56.0	29.9	37.0
0.36	42.7	36.9	N	58.7	48.7	16.0	11.8
0.42	38.1	33.1	L1	57.4	47.4	19.3	14.3
0.84	32.4	27.9	L1	56.0	46.0	23.6	18.1
1.39	32.1	27.2	L1	56.0	46.0	23.9	18.8
15.79	36.6	25.0	N	60.0	50.0	23.4	25.0

2. Test Mode: DVD 7CH Stereo Mode (without Ground)

Frequency	Level(dBµV)		Line	Limit	(dBµV)	Marg	in(dB)
(MHz)	Q-Peak	Average	Lane	Q-Peak	Average	Q-Peak	Average
0.15	35.2	21.1	N	66.0	56.0	30.8	34.9
0.18	32.9	28.1	N	64.5	54.5	31.6	26.4
0.36	42.2	36.4	N	58.7	48.7	16.5	12.3
0.42	36.7	31.7	L1	57.4	47.4	20.7	15.7
0.78	32.7	27.8	N	56.0	46.0	23.3	18.2
15.81	37.4	26.1	L1	60.0	50.0	22.6	23.9

Table 1. Line Conducted Emissions Tabulated Data

NOTES:

- 1. Measurements using CISPR quasi-peak mode
- 2. All modes of operation were investigated and the worst -case emission are reported. See attached Plots.
- 3. The limit for Class B device is on the FCC part section 15.107 (a).
- 4. LINE: L1 = Line, N = Neutral

Tested by Jae Young, Yu



TEST DATA

1. Radiated Emissions

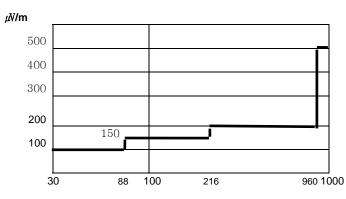
FCC ID: RO3MV-5

Test Mode: DVD Analog 7CH Stereo Mode

TOST MOGC .	Test Mode . DVD Allalog / CIT Steleo Mode						
Frequency	Reading	Pol*	AFCL+	Result	Limit	Margin	
(MHz)	$(\mathbf{dB}\mu V)$	(H/V)	Amp. (dB)**	$(dB\mu V/m)$	$(dB\mu V/m)$	(dB)	
31.32	48.8	V	-16.8	32.0	40.0	8.0	
61.43	42.3	V	-16.0	26.3	40.0	13.7	
135.16	43.4	Н	-10.1	33.3	43.5	10.2	
190.60	46.9	Н	-9.8	37.1	43.5	6.4	
245.75	47.3	Н	-10.4	36.9	46.0	9.1	
294.90	45.6	Н	-8.4	37.2	46.0	8.8	
491.51	44.4	V	-4.8	39.6	46.0	6.4	
688.11	38.0	Н	-0.7	37.3	46.0	8.7	
786.41	36.2	Н	0.9	37.1	46.0	8.9	

^{*} Above 1 GHz: Not significant or detectable.

Table 2. Radiated Measurements at 3 meters



NOTES:

- 1. All modes of operation were investigated the worst-case emission are reported.
- 2. The radiated limits are shown on Figure 4.

 Above 1 GHz the limit is 500 µV/m.

Fig. 4. Limits at 3 meters

- * Pol. H =Horizontal V=Vertical
- ** AFCL+Amp. = Antenna Factor + Cable Loss + Amplifier.
- *** Measurements using CISPR quasi-peak mode. Above 1 GHz, peak detector function mode is used using a resolution bandwidth of 1 MHz and a video bandwidth of 1 MHz. The peak level complies with the average limit. Peak mode is used with linearly polarized horn antenna and low-loss microwave cable.

MHz

Tested by Jae Young, Yu



PLOTS OF EMISSIONS

FCC ID: RO3MV-5



1-1. DVD 7CH Stereo Mode (L1)

(Ground)

NEMKO KOREA (NK-2H-E331)

Conducted Emissions

EUT: Preamp Manuf: Woori Technology

Op Cond: AC 120 V, 60 Hz (DVD 7CH Stereo & 1 kHz Audio Signal)

Operator: J.Y. YU

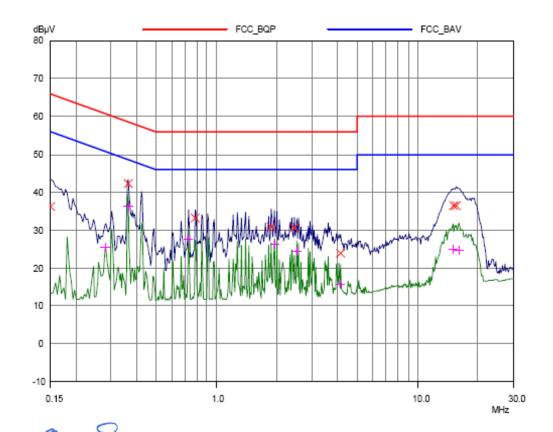
Test Spec: FCC Part 15 Class B Comment: Model: MV-5

LINE: L1I (With GND)



Final Measurement: Detectors: X QP / + AV

Meas Time: 1sec Subranges: 8 Acc Margin: 30 dB





1-2. DVD 7CH Stereo Mode

(Neutral) (Ground)

NEMKO KOREA (NK-2H-E331)

Conducted Emissions

EUT: Preamp Manuf: Woori Technology

Op Cond: AC 120 V, 60 Hz (DVD 7CH Stereo & 1 kHz Audio Signal)

Operator: J.Y. YU

Test Spec: FCC Part 15 Class B
Comment: Model: MV-5

LINE: Neutral (With GND)

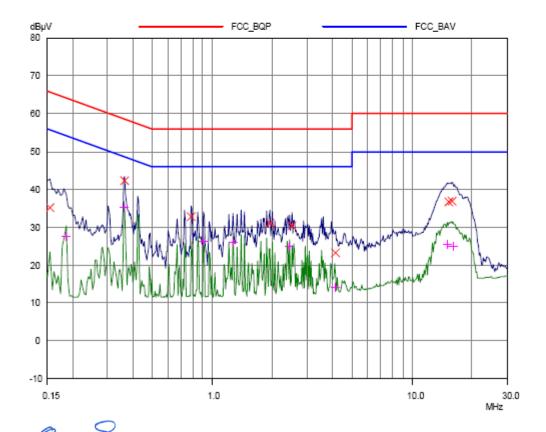
Scan Settings (1 Range) Frequencies Receiver Settings IF BW Start Stop Step Detector M-Time Atten OpRge Preamp 150kHz 30MHz 3.9063kHz 9kHz PK+AV 20msec 20 dB OFF 60dB Transducer Start Name 150kHz 30MHz CE_NEUT

Final Measurement: Detectors: X QP / + AV

 Meas Time:
 1sec

 Subranges:
 8

 Acc Margin:
 30 dB





1-3. DVD 7CH Stereo Mode (L1)

(Non Ground)

NEMKO KOREA (NK-2H-E331)

Conducted Emissions

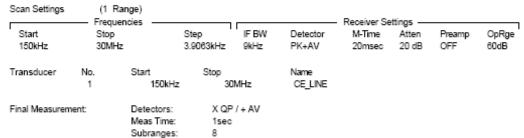
EUT: Preamp Manuf: Woori Technology

Op Cond: AC 120 V, 60 Hz (DVD 7CH Stereo & 1 kHz Audio Signal)

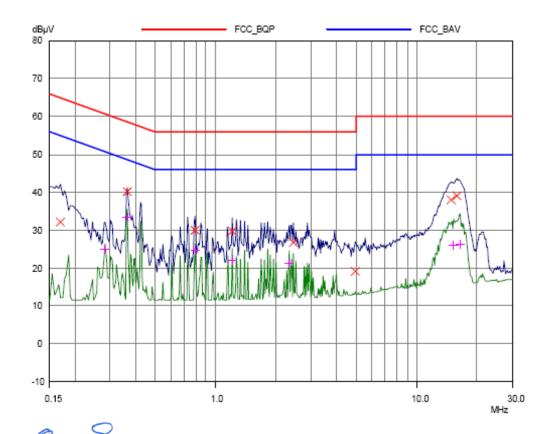
J.Y. YU Operator:

FCC Part 15 Class B Test Spec: Comment: Model: MV-5

LINE: L1 (Without GND)



Acc Margin: 30 dB





1-4. DVD 7CH Stereo Mode

(Neutral) (Non Ground)

NEMKO KOREA (NK-2H-E331)

Conducted Emissions

EUT: Preamp Manuf: Woori Technology

Op Cond: AC 120 V, 60 Hz (DVD 7CH Stereo & 1 kHz Audio Signal)

 Operator:
 J.Y. YU

 Test Spec:
 FCC Part 15 Class B

 Comment:
 Model : MV-5

LINE: Neutral (Without GND)

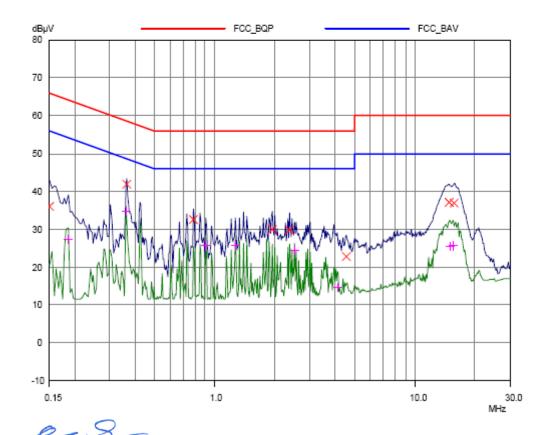
Scan Settings (1 Range) Frequencies Receiver Settings IF BW Start Stop Step Detector M-Time Atten OpRge Preamp 150kHz 30MHz 3.9063kHz 9kHz PK+AV 20msec 20 dB OFF 60dB Transducer No. Start Name 150kHz 30MHz CE_NEUT

Final Measurement: Detectors: X QP / + AV

 Meas Time:
 1sec

 Subranges:
 8

 Acc Margin:
 30 dB





SAMPLE CALCULATIONS

$$dB\mu V = 20 \log_{10} (\mu V/m)$$

$$\mu V = 10^{(dB\mu V/20)}$$

EX. 1.

@57.7 MHz

Class B limit = 100 μ V/m = 40.0 dB μ V/m

Reading = 19.1 dB μ V(calibrated level) Antenna factor + Cable Loss = 10.12 dB Total = 29.22 dB μ V/m

Margin = 40.0 - 29.22 = 10.78

10.78 dB below the limit



ACCURACY OF MEASUREMENT

The Measurement Uncertainties stated were calculated in accordance with the requirements of NIST Technical Note 1297 with the confidence level of 95%

1. Radiation Uncertainty Calculation

Contribution	Probability Distribution	Uncertainty(+/-dB)	
Antenna Factor	Normal (k=2)	± 0.5	
Cable Loss	Normal (k=2)	± 0.04	
Receiver Specification	Rectangular	± 2.0	
Antenna directivity			
Antenna Factor variation with Height			
Antenna Phase Center Variation	Rectangular	± 1.0	
Antenna Factor Frequency Interpolation			
Measurement Distance Variation			
Site Inperfections	Rectangular	± 2.0	
Mismatch:Receiver VRC ri=0.3			
Antenna VRC rR=0.1(Bi)0.4(Lp)	U-Shaped	+ 0.25 / - 0.26	
Uncertainty Limits 20Log(1+/-ri rR)			
System Repeatibilty	Std.deviation	± 0.05	
Repeatability of EUT	-	-	
Combined Standard Uncertainty	Normal	± 1.77	
Expended Uncertainty U	Normal (k=2)	± 3.5	

2. Conducted Uncertainty Calculation

Contribution	Probability Distribution	Uncertainty(+/-dB)
Receiver Specification	Normal (k=2)	± 2.0
LISN coupling spec.	Normal (k=2)	± 0.4
Cable and input attenuator cal.	Rectangular	± 0.4
Mismatch:Receiver VRC ri=0.3		
LISN vrc rg=0.1	U-Shaped	± 0.26
Uncertainty Limits 20Log(1+/-ri rR)		
System Repeatibilty	Std.deviation	± 0.68
Repeatability of EUT	-	-
Combined Standard Uncertainty	Normal	± 1.18
Expended Uncertainty U	Normal (k=2)	± 2.4



TEST EQUIPMENT

No.		Instrument	Manufacturer	Model	Due to Calibration
1. E	MI T	EST SYSTEM			
1	*	Test Receiver	R & S	ESCS 30	2007. 08
2	*	Test Receiver	R & S	ESCS 30	2007. 12
3	*	Amplifier	Agilent	8447F	2007. 08
4	*	Amplifier	НР	8447F	2007. 08
3		Amplifier	Agilent	8447F	2007. 10
4		Pre-Amplifier	НР	8449B	2008. 03
5		Spectrum Analyzer	НР	8568B	2007. 10
6		Spectrum Analyzer	Advantest	R4136	2007. 12
7	*	Logbicon Super Antenna	Schwarzbeck	VULB9168	2008. 03
8		Loop Antenna	EMCO	6502	2007. 12
9		Dipole Antenna	R & S	VHA9103	2008. 01
10		Dipole Antenna	R & S	UHA9105	2008. 01
11	*	Biconical Log Antenna	ARA	LPB-2520/A	2008. 01
12		Asorbing Clamp	R & S	MDS21	2007. 06
13		High Voltage Probe	R & S	ESH2-Z3	2007. 09
14		Signal Generater	R & S	SMP02	2007. 08
15	*	Matching Pad	R & S	RAM358_5414.02	2007. 05
16	*	LISN	R & S	ESH3-Z5	2007. 10
17	*	LISN	Kyoritsu	KNW-407	2008. 03
18		LISN	Kyoritsu	KNW-408	2007. 12
19	*	Position Controller	Daeil EMC	N/A	N/A
20	*	Turn Table	Daeil EMC	N/A	N/A
21	*	Antenna Mast	Daeil EMC	N/A	N/A
22	*	Anechoic Chamber	EM Eng.	N/A	N/A
23	*	Shielded Room	EM Eng.	N/A	N/A
24	*	Anechoic Chamber	Seo-Young EMC	N/A	N/A
25	*	Shielded Room	Seo-Young EMC	N/A	N/A

^{*)} Test Equipment used during the test.



No.	Instrument	Manufacturer	Model	Due to Calibration
2. R	ADIATED IMMUNITY SYS	STEM		
1	Signal Generator	R & S	SMY01	2008. 03
2	Function Generator	НР	33.20A	2007. 12
3	Power Amplifier	Noiseken	NA25MF1G2010C	2007. 11
4	Power Sensor	НР	8482A	2008. 03
5	Power Meter	HP	E4419B	2008. 03
6	Biconical Antenna	EMCO	3109	2007. 05
7	Biconical log Antenna	ARA	LPB-2520/A	2007. 05
8	Wideband field probe	CHASE	EMC-20	2008. 03
3. C	ONDUCTED IMMUNITY S	SYSTEM		
1	Power Amplifier	Noiseken	NA01K80M5C	2008. 11
2	Current Monitor Probe	FCC	NMP-33-1	2008. 03
3	Attenuator	TME	CFA-10NPJ-20	N/A
4	Attenuator	TME	CFA-100ANJJ-3	N/A
5	CDN	FCC	NCDN-M1-16A	2007. 06
6	CDN	FCC	NCDN-M2-16A	2007. 06
7	CDN	FCC	NCDN-M3-16A	2007. 06
8	CDN	FCC	NCD-T2	2007. 06
9	CDN	FCC	NCD-T4	2007. 06
10	150-50ohm adapter	FCC	NCDN-150-50-CF	2007. 09
11	Termination	TME	CT-01BP	N/A
12	Termination	TME	CT-10NP	N/A
13	EM Clamp	FCC	NEM-32mm EM Clamp	2007. 09

^{*)} Test Equipment used during the test.



APPENDIX B - CIRCUIT DIAGRAM



APPENDIX C - TEST PHOTOGRAPHS

The **Line-Conducted** and **Radiated Test Picture** show the worst-case configuration and cable placement.



APPENDIX D – EUT PHOTOGRAPHS



APPENDIX E - USER'S MANUAL



APPENDIX F - Schematic Diagrams