

Nemko Korea Co., Ltd.

300-2, Osan-Ri, Mohyun-Myun, Cheoin-Gu, Yongin-City, Gyeonggi-Do, KOREA

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FCC PART 18 Class II Permissive Change

Applicant :

Daewoo Electronics Corporation

Dates of Issue : June 08, 2009

M/W oven R&D center

Test Report No. : NK09E479

412-2, Cheongcheon2-Dong, Bupyeong-Gu,

Test Site : Nemko Korea Co., Ltd.

Incheon, 403-032, KOREA

EMC site, Korea

Attn : Mr. K. H. Yang

FCC ID

C5F7NF1PM01000

Brand Name

DAEWOO

Contact Person

Daewoo Electronics Corporation

M/W oven R&D center

412-2, Cheongcheon2-Dong, Bupyeong-Gu,

Incheon, 403-032, KOREA

Mr. K. H. Yang

Telephone No. : + 82 32 510 7910

Applied Standard: Part 18 & 2

Classification : Consumer ISM equipment

EUT Type: Microwave oven

The device bearing the brand name and FCC ID 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 MP-5:1986.

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.



Tested By : B. J. Lim

Engineer



Reviewed By : H. H. Kim

Manager & Chief Engineer

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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 18.

Responsible Party : Daewoo Electronics Corporation

Contact Person : Mr. K. H. Yang

Tel No.: + 82 32 510 7910

Manufacturer : Daewoo Electronics Corporation

M/W oven R&D center

412-2, Cheongcheon2-Dong, Bupyeong-Gu, Incheon, 403-032,
KOREA

Factory : 1) Daewoo Electronics Corporation

981-1, Jangduck-Dong, Gwangsan-Gu, Gwangju-Shi,
506-251, KOREA

2) DAEWOO MICROWAVE OVEN CO., LTD.

Detda, Dagang District, Tianjin, China

- FCC ID: C5F7NF1PM01000
- Model: KOR-1P5C9
- Brand Name: DAEWOO
- EUT Type: Microwave Oven
- Applied Standard: FCC Part 18 & Part 2
- Test Procedure(s): MP-5:1986
- Dates of Test: May 25, 2009 to June 04, 2009
- Place of Tests: Nemko Korea Co., Ltd. EMC Site
- Test Report No.: NK09E479

INTRODUCTION

The measurement procedure described in MP5:1986 for Methods of Measurement of radiated, powerline conducted radio noise, frequency and power output was used in determining emissions emanating from **Daewoo Electronics Corporation**.

FCC ID : **C5F7NF1PM01000**, Microwave Oven.

These measurement tests were conducted at **Nemko Korea Co., Ltd. EMC Laboratory**.

The site address is 300-2, Osan-Ri, Mohyun-Myun, Cheoin-Gu, Yongin-City, Gyeonggi-Do, KOREA

The area of Nemko Korea Corporation Ltd. EMC Test Site is located in a mountain area at 80 kilometers (48 miles) southeast and Incheon International Airport (Incheon Airport), 30 kilometers (18miles) 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 C63.4-2003



Nemko Korea Co., Ltd.
OPEN AREA TEST SITE
300-2, Osan-Ri, Mohyun-Myun,
Cheoin-Gu, Yongin-City
Gyeonggi-Do, KOREA 449-852
Tel) +82-31-322-2333

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.

EUT INFORMATION

EUT Information

Electric Rating :	a.c. 120 V , 60 Hz
Clock :	4 MHz
Magnetron Type :	1) RM259 / Daewoo
	2) 2M248 / Toshiba
Operating Frequency :	2.45 GHz

Description of the Changes according to FCC part 2.1043

1. Addition the magnetron (2M248, Toshiba)
2. All tests in this report was conducted with EUT equipped with magnetron of 2M248 Toshiba.

DESCRIPTION OF TESTS

Radiation Hazard

A 700 ml water load was placed in the center of the oven.

The power setting was set to maximum power.

While the oven was operating, the Microwave Survey Meter probe was moved slowly around the door seams to check for leakage.

Input Power Measurement

The EUT was placed on a wooden table 0.8 m at 1 m distance Horn antenna.

A 700ml water load was placed in the center of the oven and the oven set to maximum power. A 700 ml water load was chosen for its compatibility.

Input power and current were measured using a Power Analyzer.

Manufacturers to determine their input ratings commonly use this procedure.

Output Power Measurement

The Caloric Method was used to determine maximum output power.

The initial temperature of a 1000 ml water load was measured. The water load was placed in the center of the oven. The oven was operated at maximum output power for 120 seconds. Then the temperature of the water re-measured.

Frequency Measurements

Following the above test, after operating the oven long enough to assure that stable operating temperature were obtained, the operating frequency was monitored as the input voltage was varied between 80 to 125 percent of the nominal rating.

And the load quantity was reduced by evaporation to approximately 20 % of the original quantity with nominal rating.

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 m X 1.5 m wooden table 0.4 m 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 (ESH2-Z5) of the 50 ohm/50 uH Line Impedance Stabilization Network (LISN) is bonded to the shielded room.

The EUT is powered from the Rohde & Schwarz LISN.

Power to the LISN is 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,

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 output 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 20 msec sweep time.

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

The detector function were set to CISPR quasi-peak mode & average 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 EME reported was calibrated using the R&S signal generator.

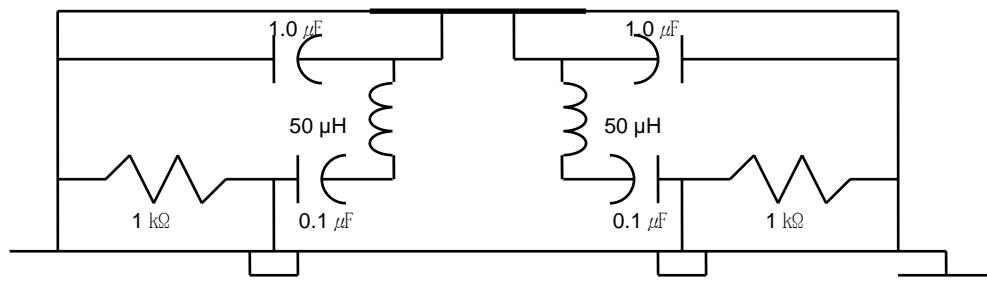


Fig. 2. LISN Schematic Diagram

DESCRIPTION OF TESTS

Radiated Emissions

Preliminary measurement 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 Technology 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 0.15 to 30 MHz using Loop Antenna (EMCO/6502) and from 30 to 1000 MHz using Biconical log Antenna(ARA, LPB-2520/A).

Above 1 GHz, Double Ridged Broadband Horn antenna (Schwarzbeck, BBHA 9120 D) was used.

Final Measurements were made indoors at 3 m using Loop Antenna (EMCO/6502) for measurement from 0.15 to 30 MHz and made outdoors at 10 m using Trilog-Broadband Antenna (Shwarzbeck, VULB9168) for measurement from 30 MHz to 1000 MHz and made indoors at 3 m using Double Ridged Broadband Horn antenna (Schwarzbeck, BBHA 9120 D) for measurement from 1 GHz to 25 GHz.

Each frequency found during pre-scan measurements was reexamined and investigated using EMI test receiver. (FSP40)

The detector function were set to CISPR peak and average mode and the bandwidth of the receiver were set to 9 kHz, 100 kHz and 1 MHz 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 EUT is rotated about its vertical axis on the turntable, and the polarization and height of the receiving antenna are varied to obtain the highest field strength on the particular frequency under observation.

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

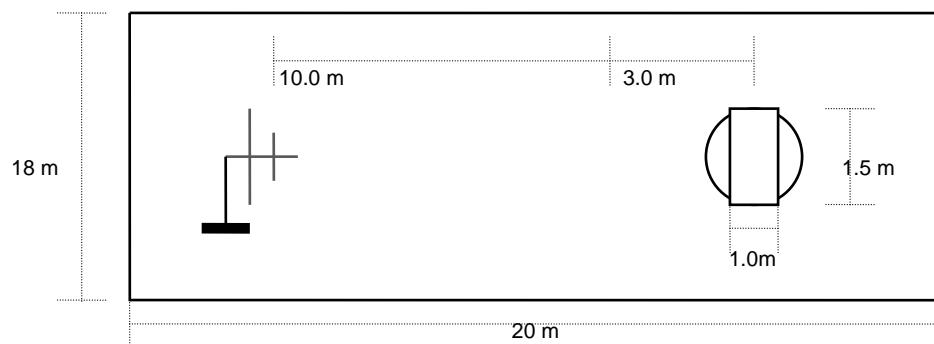


Fig. 3. Dimensions of Outdoor Test Site

TEST DATA

Radiation Hazard

Probe Location	Maximum Leakage [mW/Cm ²]	Limit [mW/Cm ²]
A	0.2	1.00
B	0.1	1.00
C	0.08	1.00
D	0.07	1.00
All others	0.02	1.00

Input Power Measurement

Operation mode	P rated (W)	P (W)	dP (%)	Required dP (%)
Power Input	1500	1530	2	+ 15 %

RF Output Power Measurement

Quantity of Water [ml]	Starting Temperature [Centigrade]	Final Temperature [Centigrade]	Temp. Rise	Elapsed Time [seconds]	RF Power [watts]
1000	10	36.9	26.9	120	938

$$\text{RF Power} = \frac{(4.187 \text{ Joules/Cal}) \times (\text{Volume in ml}) \times (\text{Temp. Rise})}{\text{Time in seconds}}$$



Tested by : B. J. Lim

TEST DATA

Operating Frequency measurements

► Frequency vs Line Voltage Variation Test

[Room Temperature : 25.8 °C]			
Line Voltage Variation (a.c. V)	*)Pole	Frequency [MHz]	Allowed Tolerance for the ISM Band
96 (80%)	H	Lower : 2418	Lower : 2400 MHz Upper : 2500 MHz
	H	Upper : 2486	
	V	Lower : 2411	
	V	Upper : 2477	
108 (90%)	H	Lower : 2413	Lower : 2400 MHz Upper : 2500 MHz
	H	Upper : 2484	
	V	Lower : 2417	
	V	Upper : 2480	
132 (110%)	H	Lower : 2410	Lower : 2400 MHz Upper : 2500 MHz
	H	Upper : 2488	
	V	Lower : 2408	
	V	Upper : 2486	
150 (125%)	H	Lower : 2408	Lower : 2400 MHz Upper : 2500 MHz
	H	Upper : 2483	
	V	Lower : 2415	
	V	Upper : 2485	

NOTE :

1. *Pol. H = Horizontal V = Vertical
2. Initial load : 1000 ml of water in the beaker.
3. Line voltage varied from a.c. 96 V to a.c. 150 V.
4. ISM Frequency : 2450 MHz, Tolerance : ± 50 MHz

RESULT : Pass



Tested by : B. J. Lim

TEST DATA

► Frequency vs Load Variation Test

[Room Temperature : 25.8 °C]			
Volume of water (ml)	*)Pole	Frequency [MHz]	Allowed Tolerance for the ISM Band
1000	H	Lower : 2407	
	H	Upper : 2492	
	V	Lower : 2407	
	V	Upper : 2490	
800	H	Lower : 2407	Lower : 2400 MHz Upper : 2500 MHz
	H	Upper : 2495	
	V	Lower : 2403	
	V	Upper : 2488	
600	H	Lower : 2409	
	H	Upper : 2481	
	V	Lower : 2409	
	V	Upper : 2479	
400	H	Lower : 2409	
	H	Upper : 2488	
	V	Lower : 2403	
	V	Upper : 2489	
200	H	Lower : 2416	
	H	Upper : 2478	
	V	Lower : 2407	
	V	Upper : 2492	

NOTE :

1. *Pol. H = Horizontal, V = Vertical
2. The water load was varied between 200 ml to 1000 ml.
3. Frequency was measured by using nominal voltage (a.c. 120 V).
4. ISM Frequency : 2450 MHz, Tolerance : ± 50 MHz

RESULT : Pass



Tested by : **B. J. Lim**

TEST DATA**Conducted Emissions**

FCC ID : C5F7NF1PM01000

[Room Temperature : 25.4 °C]

Frequency (MHz)	Level(dB μ V)		Line	Limit(dB μ V)		Margin(dB)	
	Q-Peak	Average		Q-Peak	Average	Q-Peak	Average
0.16	43.9	21.3	L	65.5	55.5	21.6	34.2
0.18	39.7	18.6	L	64.5	54.5	24.8	35.9
0.24	35.7	16.8	N	62.1	52.1	26.4	35.3
0.56	30.9	12.8	N	56.0	46.0	25.1	33.2
10.32	17.4	13.0	L	60.0	50.0	42.6	37.0
27.54	16.1	13.4	N	60.0	50.0	43.9	36.6

*) Correction factor was included to Test Level (dB μ V)**NOTES:**

1. Measurements using CISPR quasi-peak mode & average mode.
2. If no frequencies are specified in the tables, no measurement for quasi-peak or average was necessary.
3. See attached Plots.
4. Line : L = Line , N = Neutral
5. The limit for consumer device is on the FCC Part section 18.307(b).



Tested by : B. J. Lim

TEST DATA

Radiated Emissions

FCC ID : C5F7NF1PM01000

► 0.15 MHz ~ 30 MHz

[Room Temperature : 26.1 °C]

Frequency (MHz)	Reading (dB μ V)	Pol* (H/V)	AF+CL+Amp (dB)**	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
The level was under 20 dB below limit.						

<Radiated Measurements at 3 meters>

NOTES:

1. *Pol. H = Horizontal V = Vertical
2. **AF + CL + Amp. = Antenna Factor + Cable Loss + Amplifier.
3. Distance Correction factor : $20 * \log (300 / 3) = 40 \text{ dBuV/m}$
4. The limit at 300 meters is $20 * \log (25 * \text{SQRT (RF Power / 500)})$
5. All other emissions were measured while a 700 ml load was placed in the center of the oven.
6. See attached Plots.
7. The limit for consumer device is on the FCC Part section 18.305.



Tested by : B. J. Lim

TEST DATA

Radiated Emissions

FCC ID : C5F7NF1PM01000

► 30 MHz ~ 1 GHz

[Room Temperature : 26.1 °C]

Frequency (MHz)	Reading (dB μ V)	Pol* (H/V)	AF+CL+Amp (dB)**	Result (dB μ N/m)	Limit (dB μ N/m)	Margin (dB)
47.92	32.8	V	-17.5	15.3	70.7	55.4
65.11	33.0	V	-18.6	14.4	70.7	56.3
406.74	28.1	H	-7.6	20.5	70.7	50.2
412.18	26.3	V	-7.4	18.9	70.7	51.8
728.21	18.2	H	-0.3	17.9	70.7	52.8
825.29	19.2	V	1.1	20.3	70.7	50.4

<Radiated Measurements at 3 meters>

NOTES:

1. *Pol. H = Horizontal V = Vertical
2. **AF + CL + Amp. = Antenna Factor + Cable Loss + Amplifier.
3. Distance Correction factor : $20 * \log (300/3) \approx 40 \text{ dBuV/m}$
4. The limit at 300 meters is $20 * \log (25 * \text{SQRT (RF Power/500)})$
5. All other emissions were measured while a 700 ml load was placed in the center of the oven.
6. If no frequencies are specified in the tables, no measurement for peak with RBW 120 kHz & VBW 10 Hz.
7. The limit for consumer device is on the FCC Part section 18.305.



Tested by : B. J. Lim

TEST DATA

Radiated Emissions

FCC ID : C5F7NF1PM01000

► Above 1 GHz

Frequency (MHz)	Pol* (H/V)	Reading Level (dB μ V)	Total Loss** (dB)	Result at 3 m		K	Results at 300 m (μ V/m)	Limits at 300 m (μ V/m)
				(dB μ V/m)	(μ V/m)			
4917.00	V	30.8	4.7	35.5	59.5	0.01	0.6	34.2
7747.00	V	32.3	11.0	43.3	146.6	0.01	1.5	34.2
9823.00	H	32.2	13.5	45.6	191.0	0.01	1.9	34.2
12368.00	H	30.9	14.9	45.9	196.6	0.01	2.0	34.2
14844.00	H	26.4	19.8	46.2	203.5	0.01	2.0	34.2
17054.00	V	29.2	20.5	49.8	307.3	0.01	3.1	34.2

<Radiated Measurements at 3 meters>

NOTES:

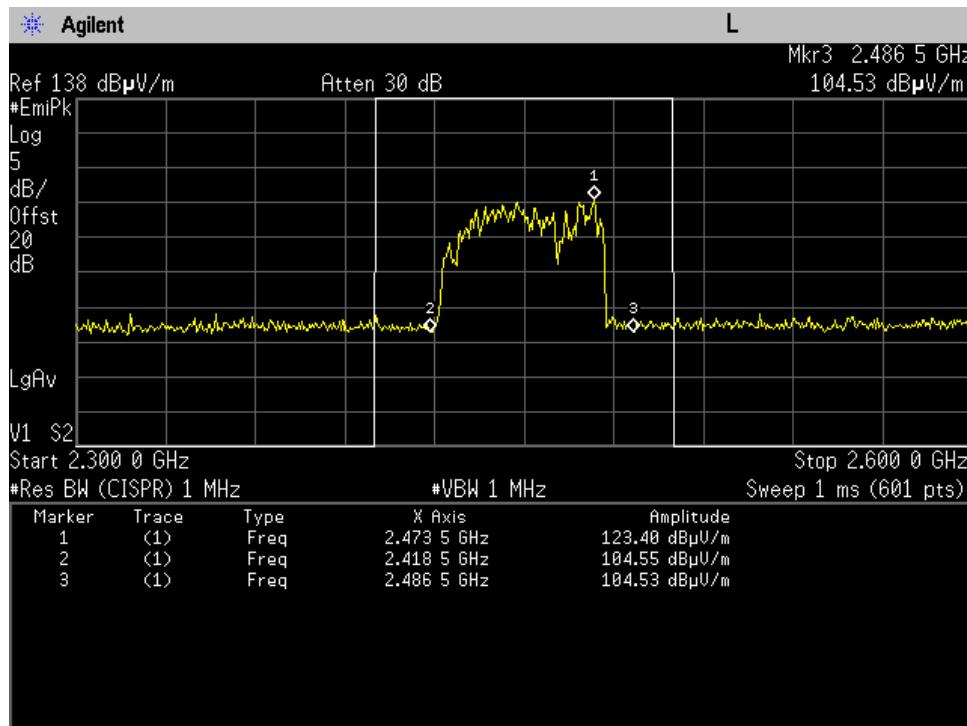
1. * Pol. H=Horizontal V=Vertical
2. ** Total Loss = Antenna Factor + Cable Loss + Amplifier + HPF (High Pass Filter)
3. Field Strength (at 300 m) (μ V/m) = $K * 10^{[Fieldstrength at 3 m (dBuV/m) / 20]}$
4. The limit at 300 meters is $25 * \sqrt{RF Power/500}$
5. Load for measurement of radiation on second and third harmonic : Two loads, one of 700 ml and the other of 300 ml, of water were used. Each load was tested both with the beaker located in the center of the oven and with it in the corner.
6. The test was performed at peak detector mode with average.
7. If no frequencies are specified in the tables, no measurement for peak with RBW 1 MHz & VBW 10 Hz.
8. The limit for consumer device is on the FCC Part section 18.305.



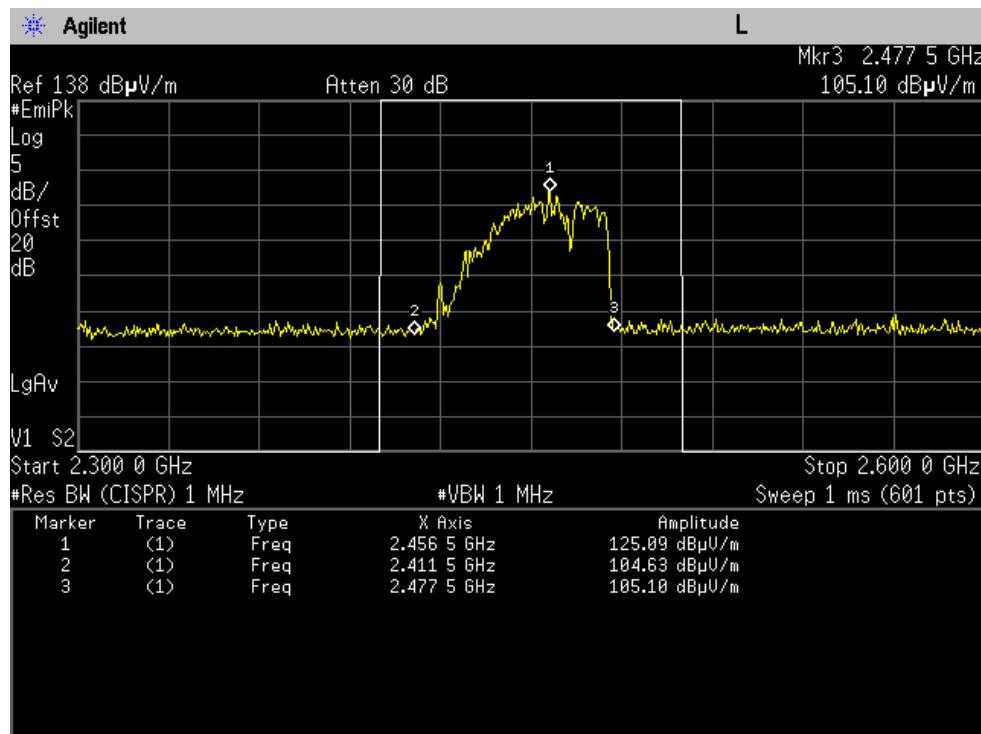
Tested by : B. J. Lim

PLOTS OF EMISSIONS

- Frequency vs Line Voltage Variation Test**



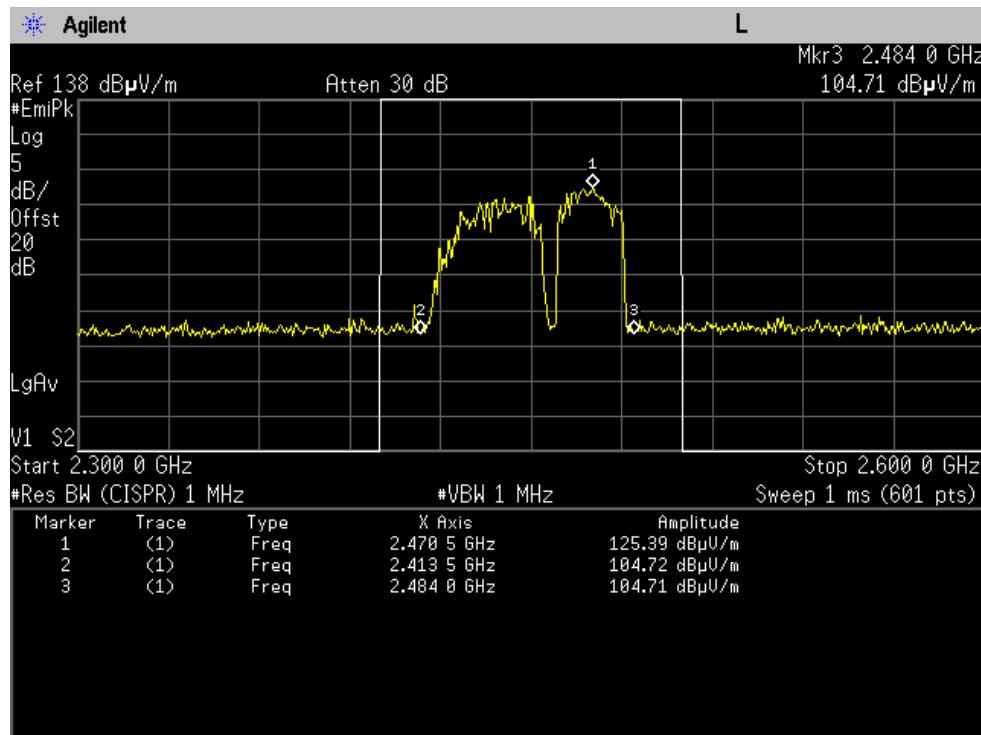
Horizontal (96 V, 1000 ml)



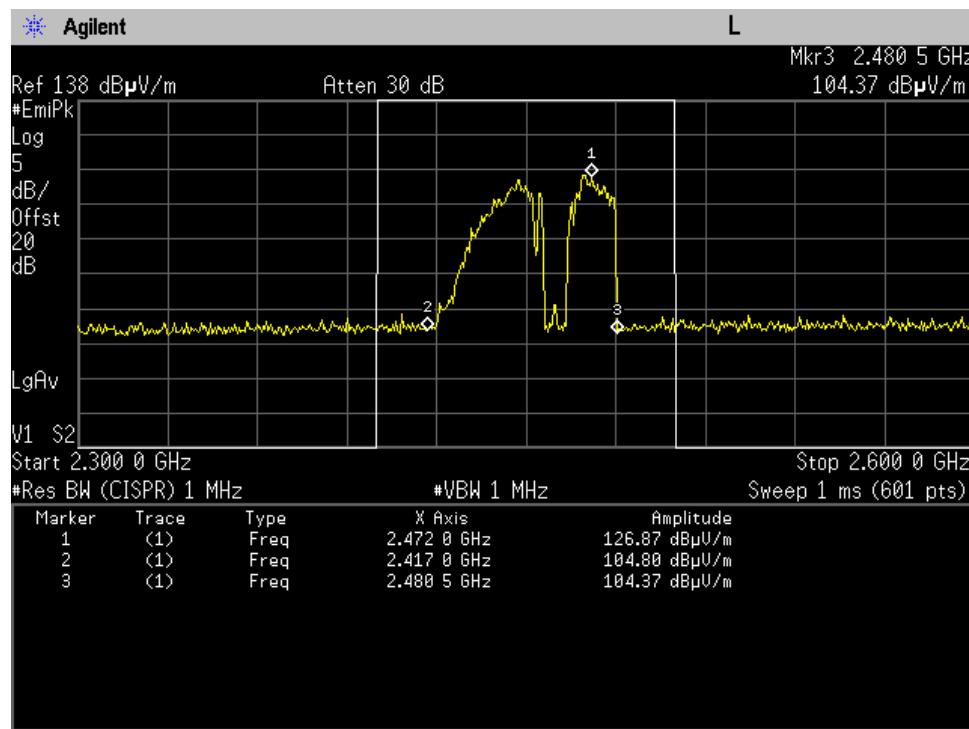
Vertical (96 V, 1000 ml)

PLOTS OF EMISSIONS

- Frequency vs Line Voltage Variation Test



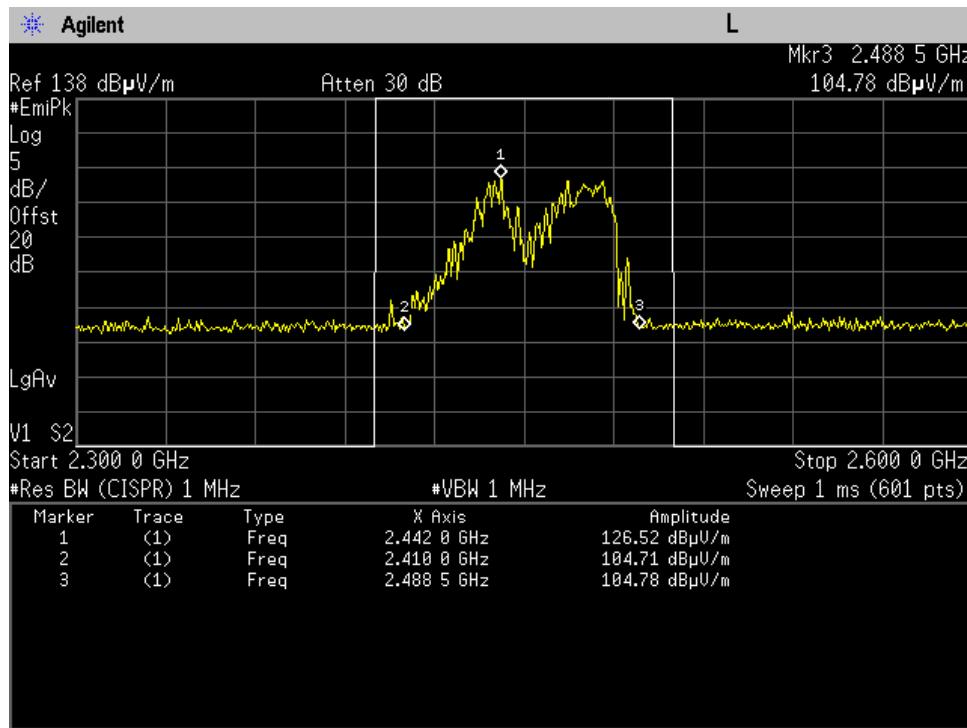
Horizontal (108 V, 1000 ml)



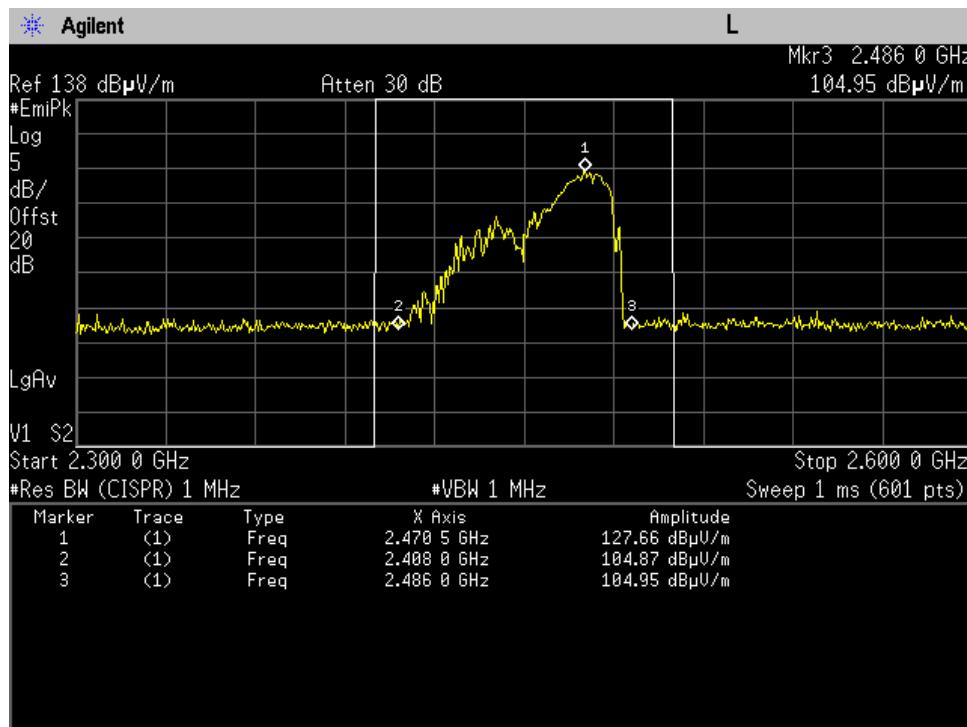
Vertical (108 V, 1000 ml)

PLOTS OF EMISSIONS

- Frequency vs Line Voltage Variation Test***



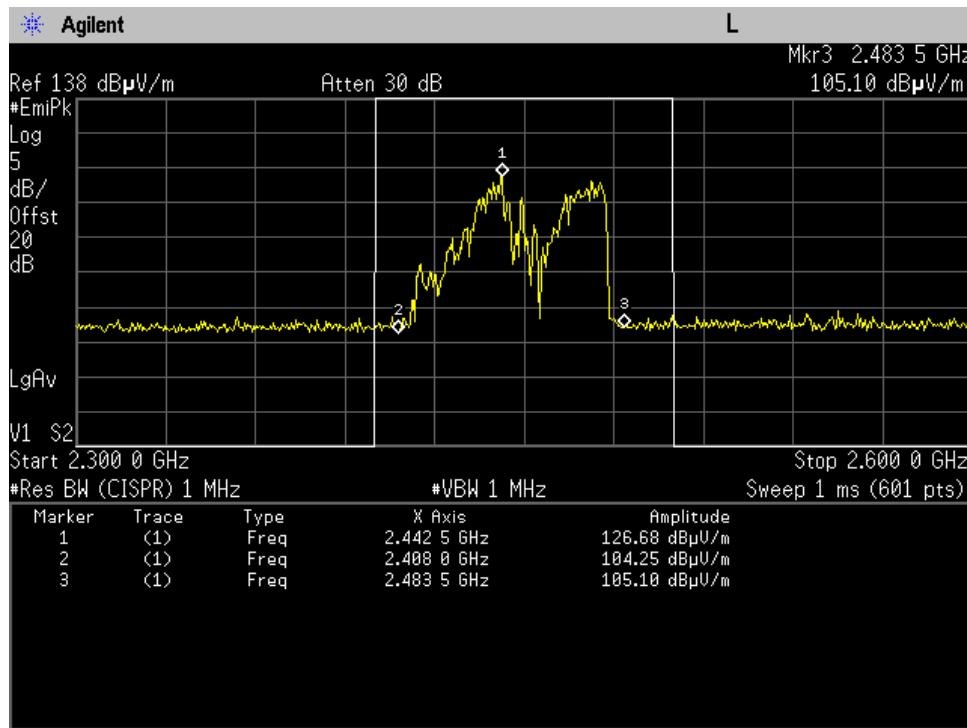
Horizontal (132 V, 1000 ml)



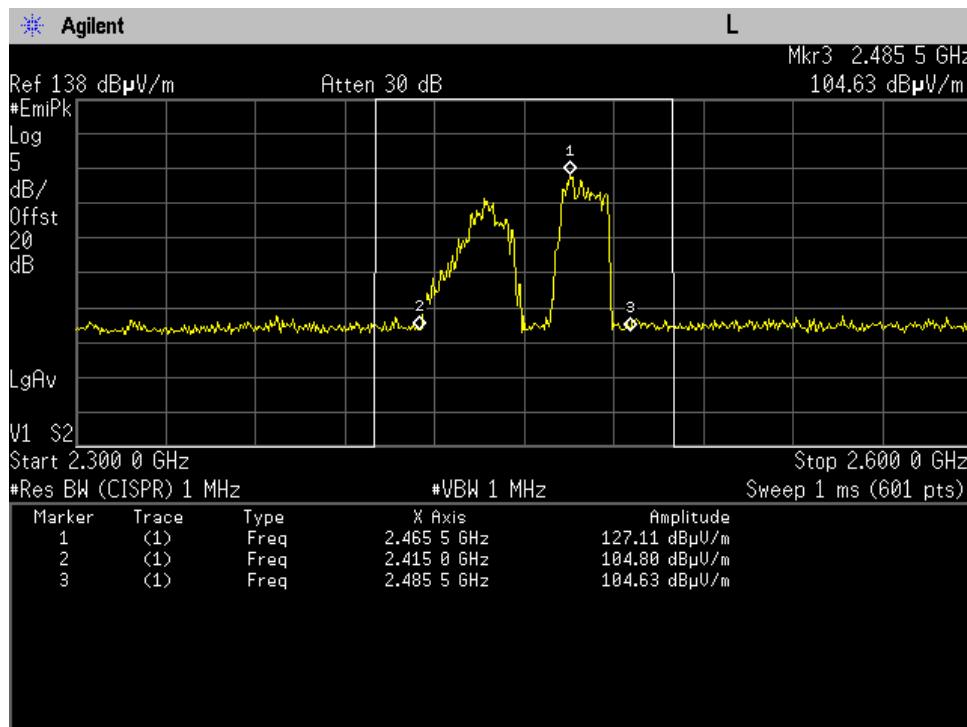
Vertical (132 V, 1000 ml)

PLOTS OF EMISSIONS

- Frequency vs Line Voltage Variation Test



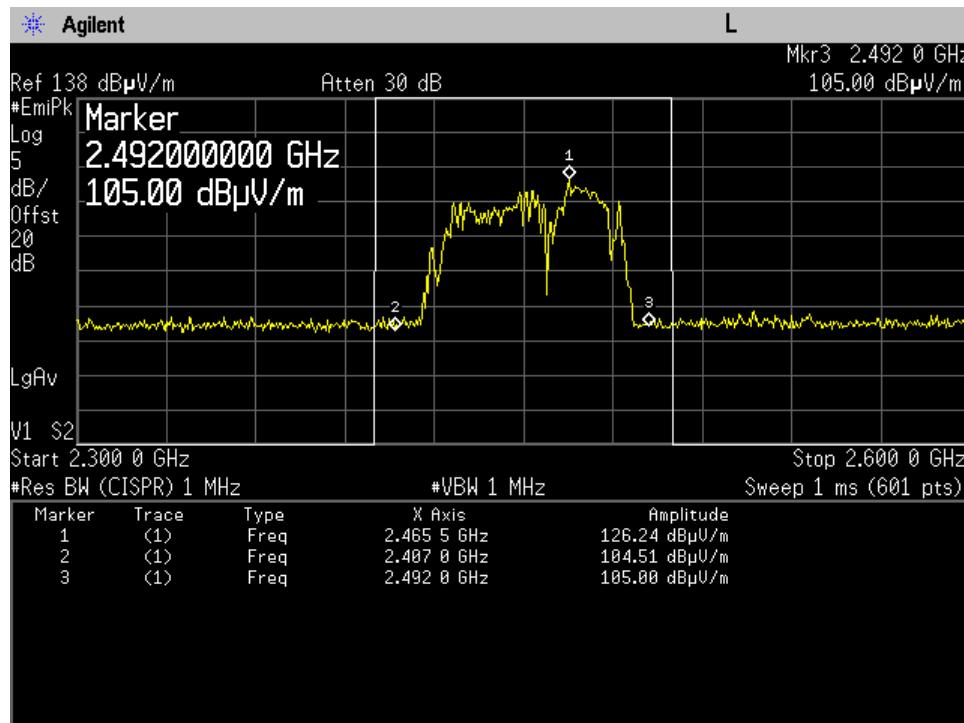
Horizontal (150 V, 1000 ml)



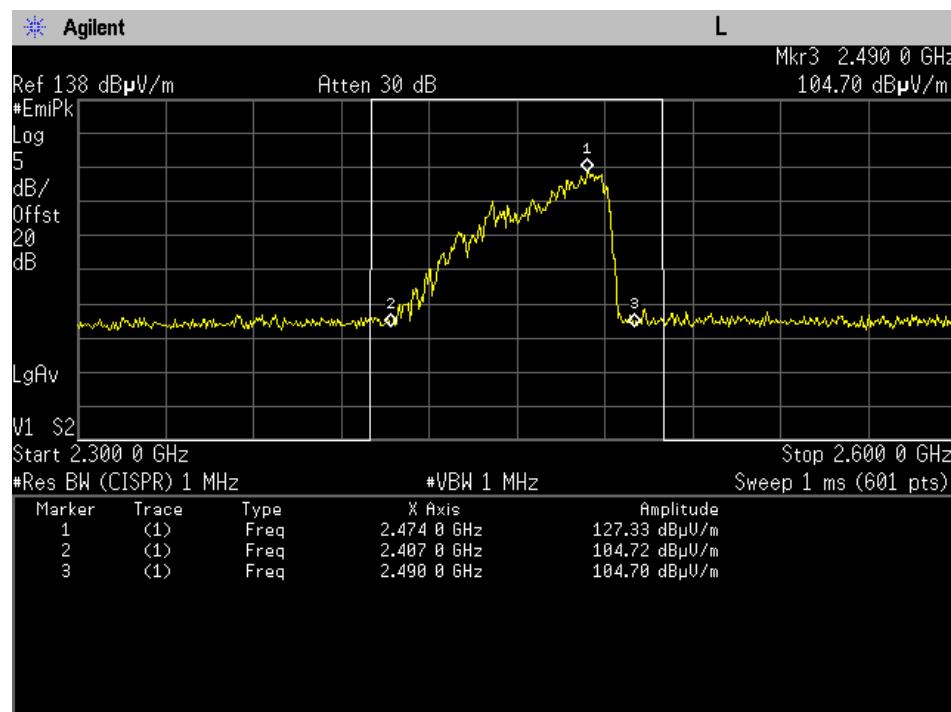
Vertical (150 V, 1000 ml)

PLOTS OF EMISSIONS

- ***Frequency vs Load Variation Test***



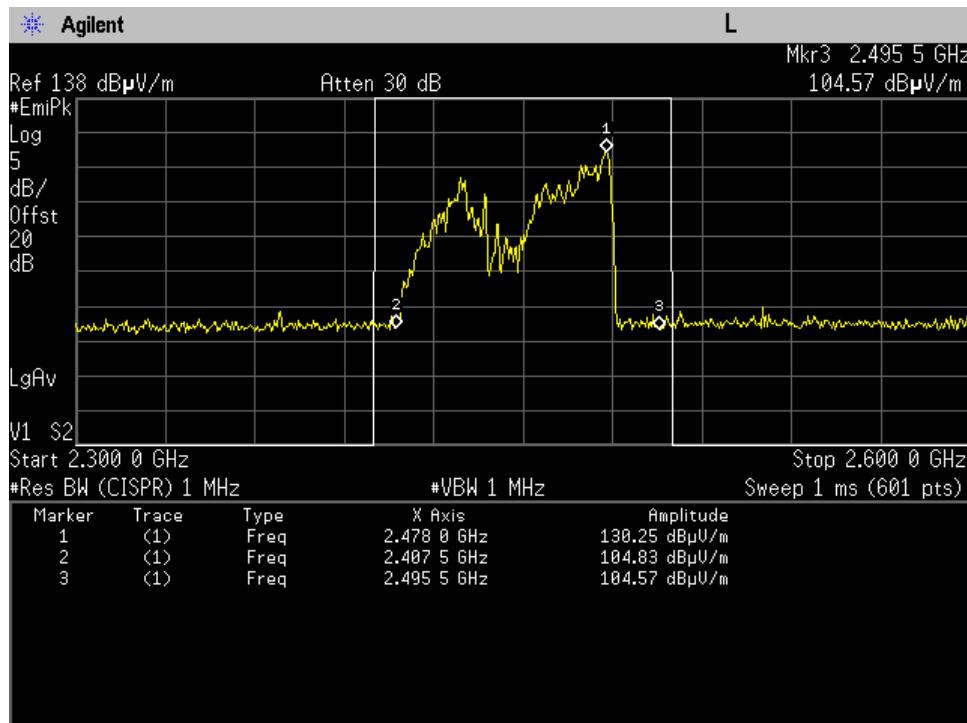
Horizontal (120 V, 1000 ml)



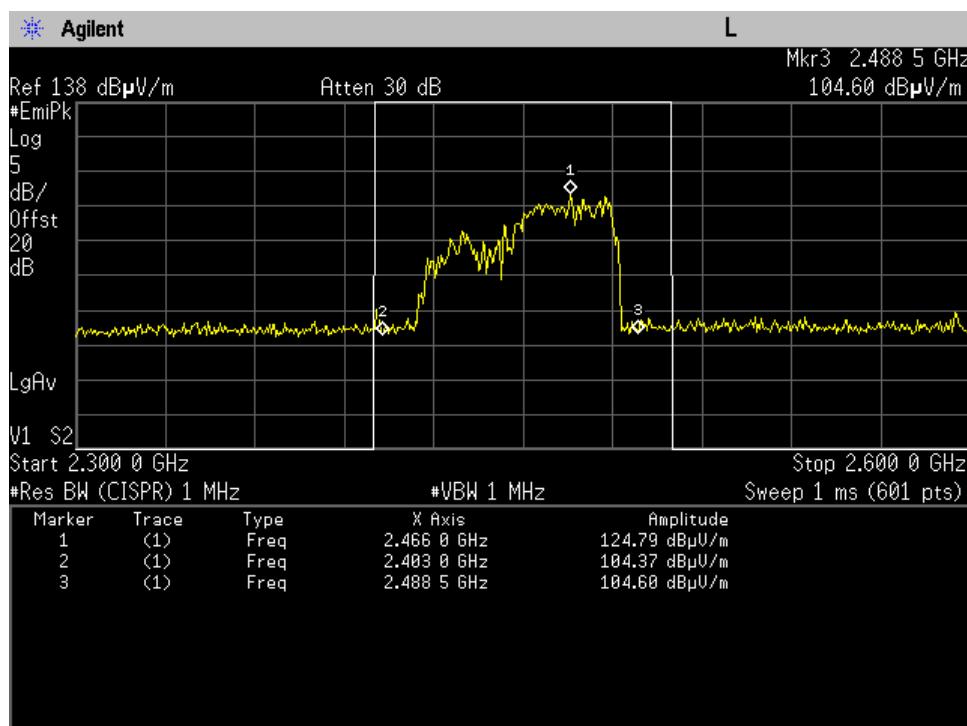
Vertical (120 V, 1000 ml)

PLOTS OF EMISSIONS

- Frequency vs Load Variation Test***



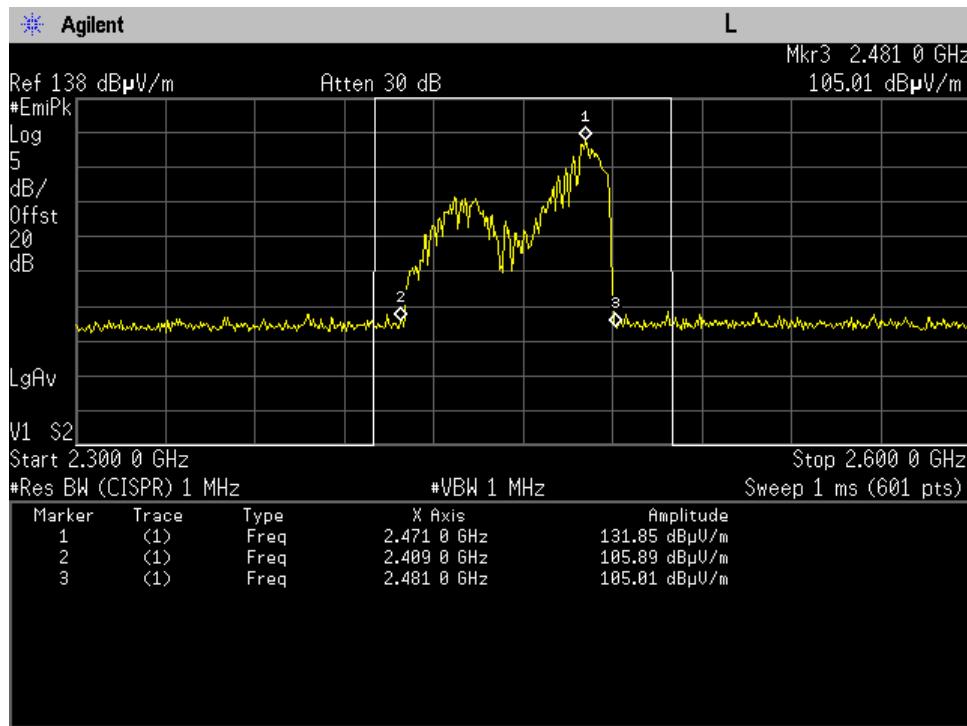
Horizontal (120 V, 800 ml)



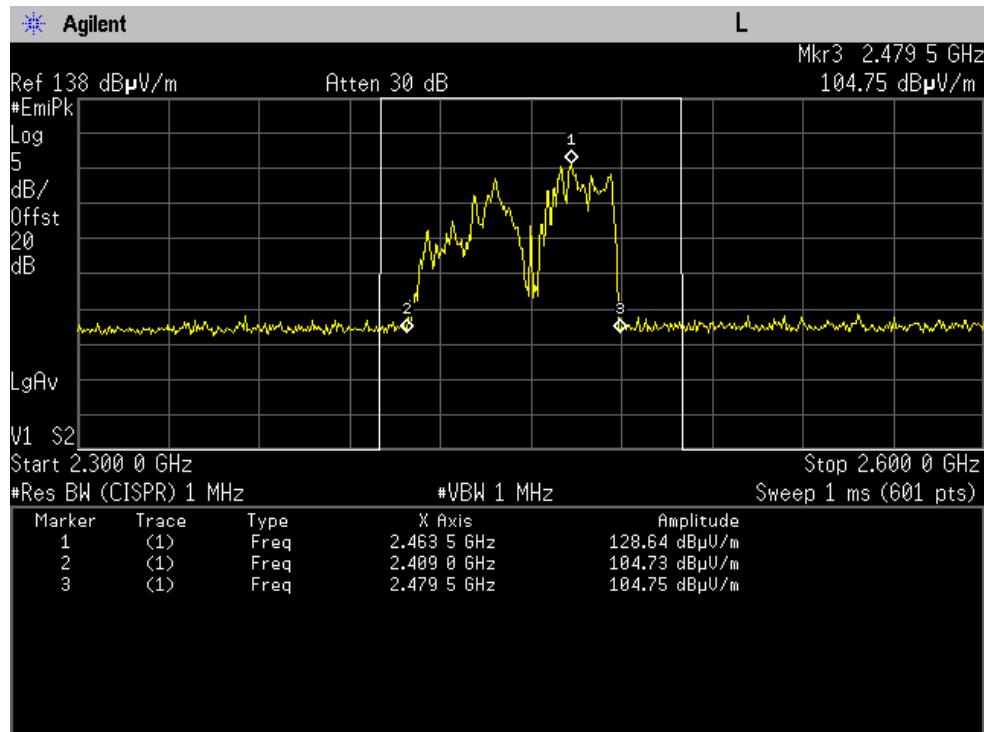
Vertical (120 V, 800 ml)

PLOTS OF EMISSIONS

- **Frequency vs Load Variation Test**



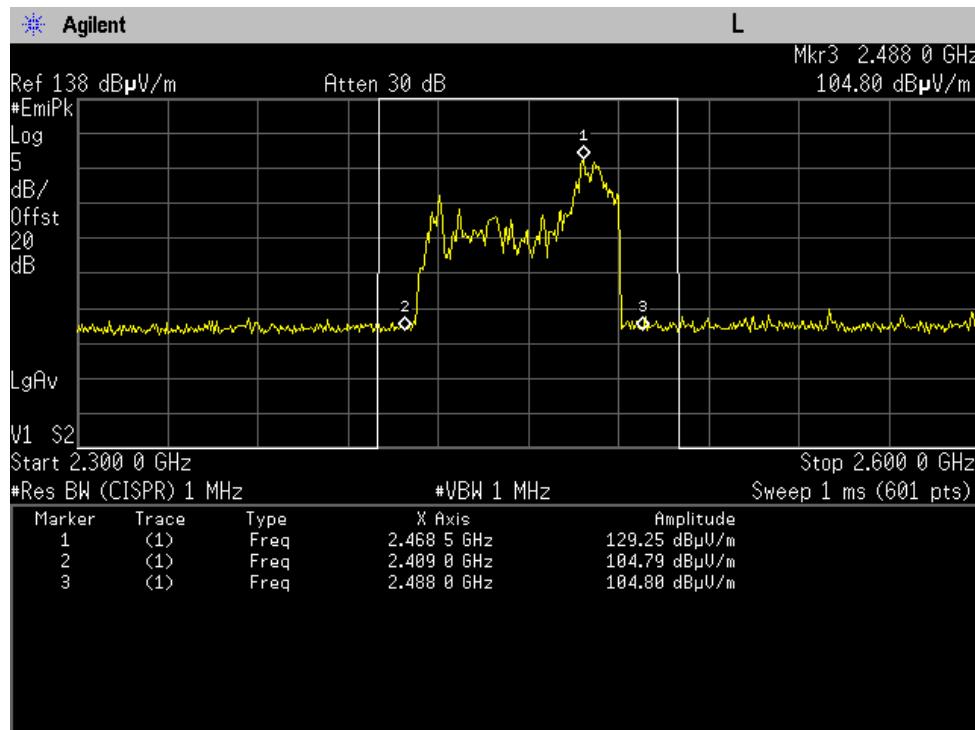
Horizontal (120 V, 600 ml)



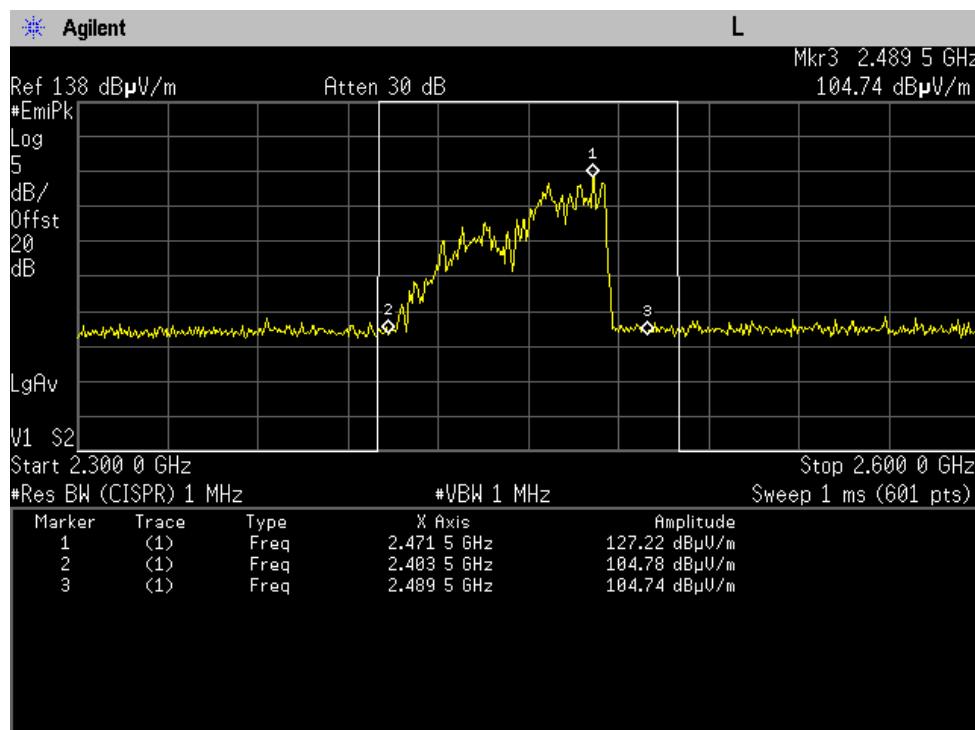
Vertical (120 V, 600 ml)

PLOTS OF EMISSIONS

- **Frequency vs Load Variation Test**



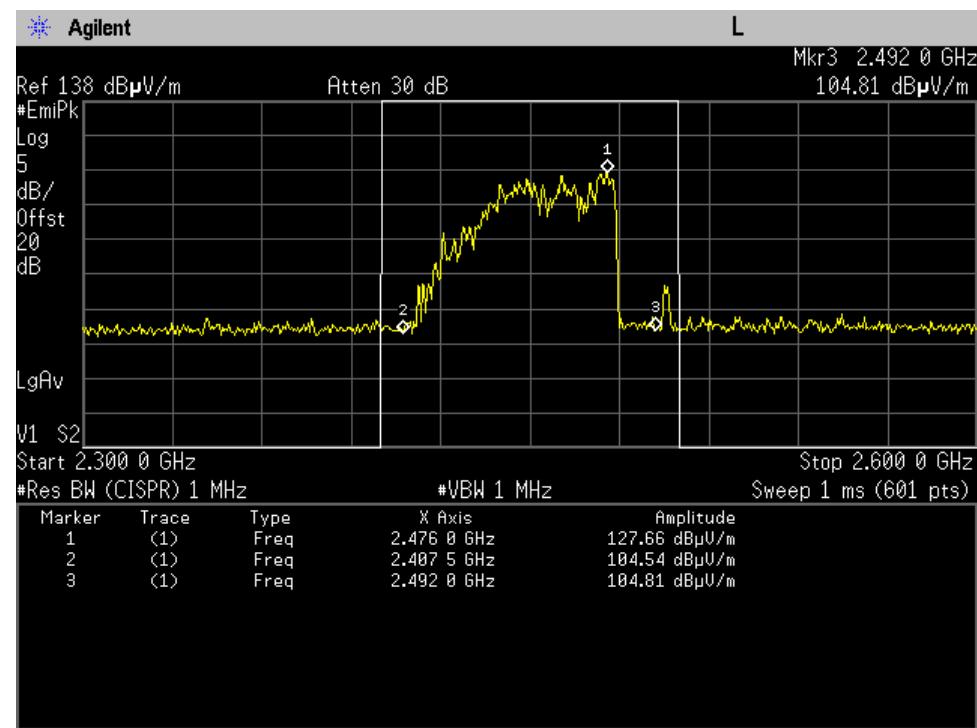
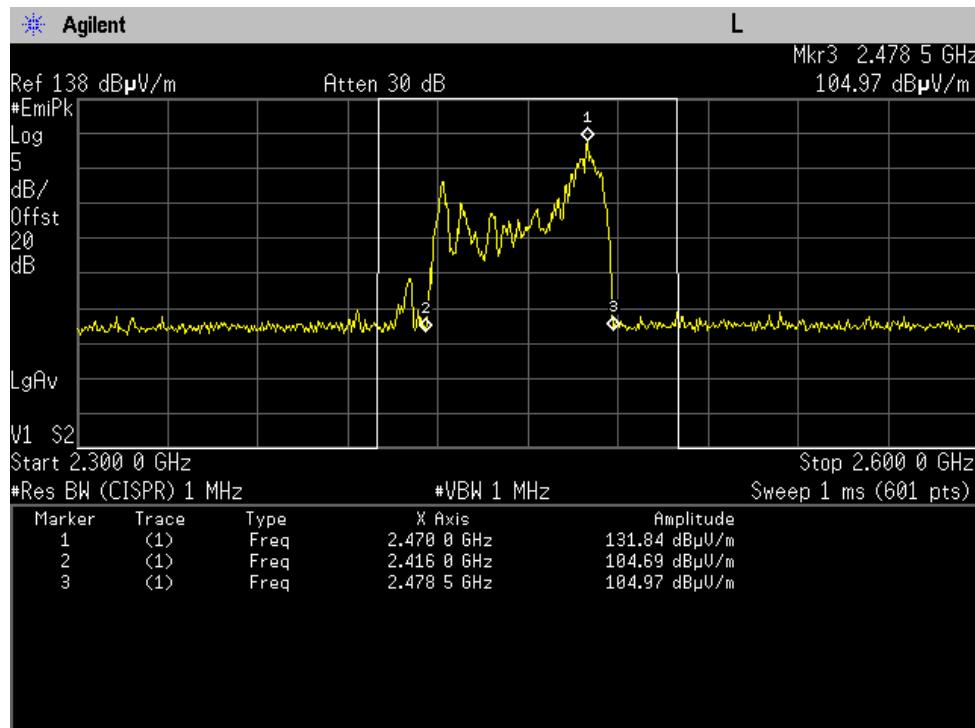
Horizontal (120 V, 400 ml)



Vertical (120 V, 400 ml)

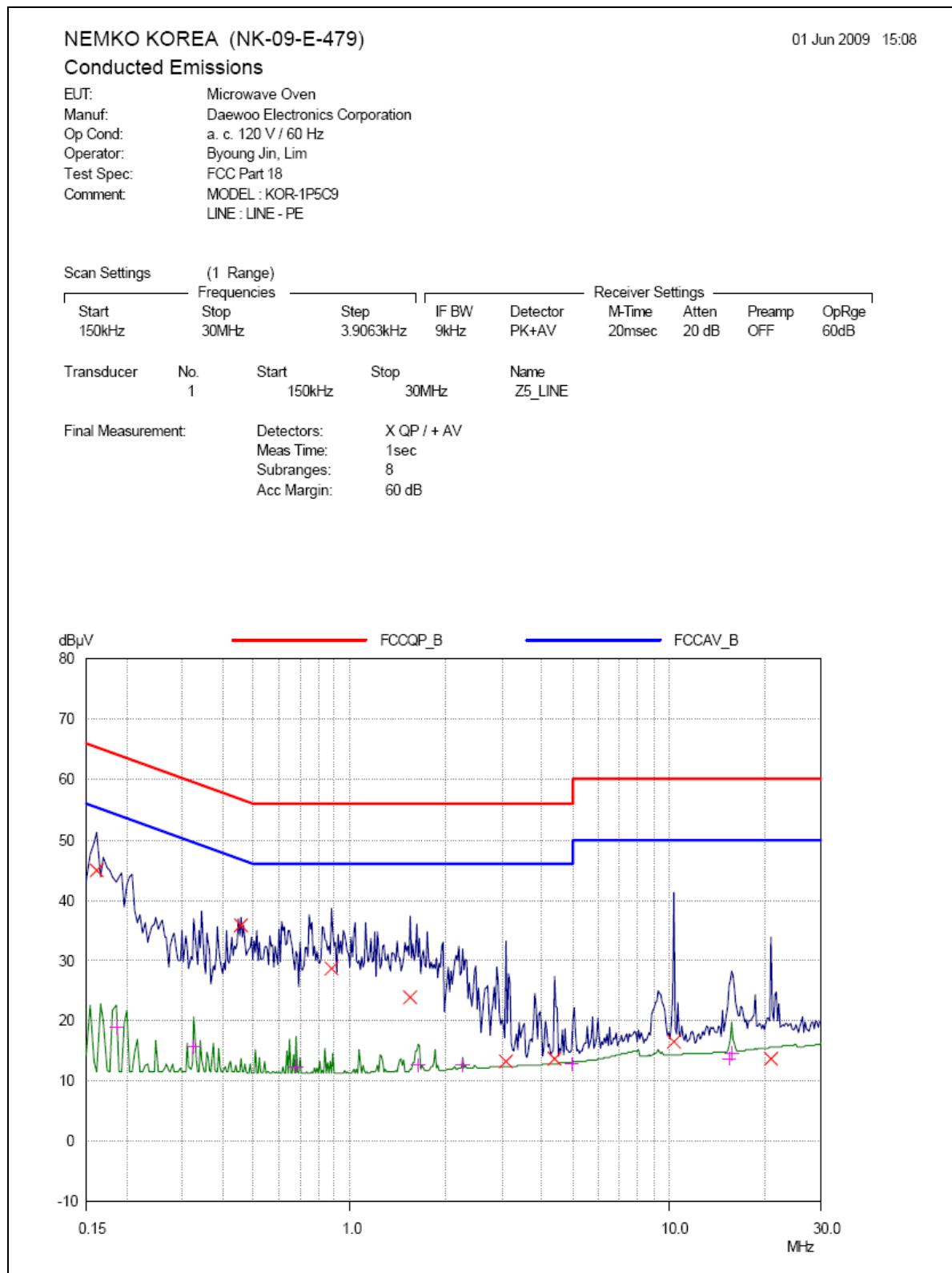
PLOTS OF EMISSIONS

- Frequency vs Load Variation Test***



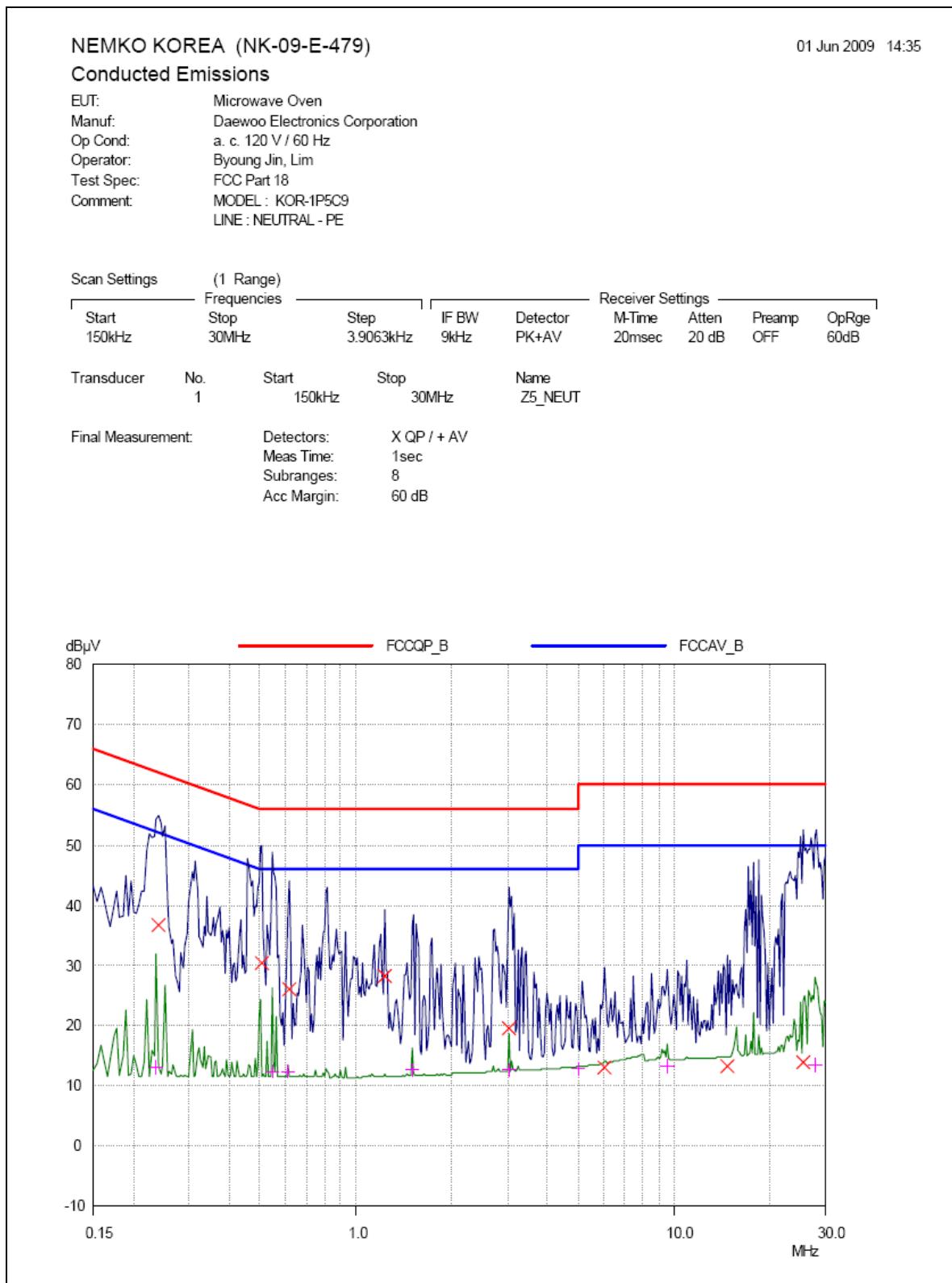
PLOTS OF EMISSIONS

- ***Conducted Emission at the Mains port (Line)***



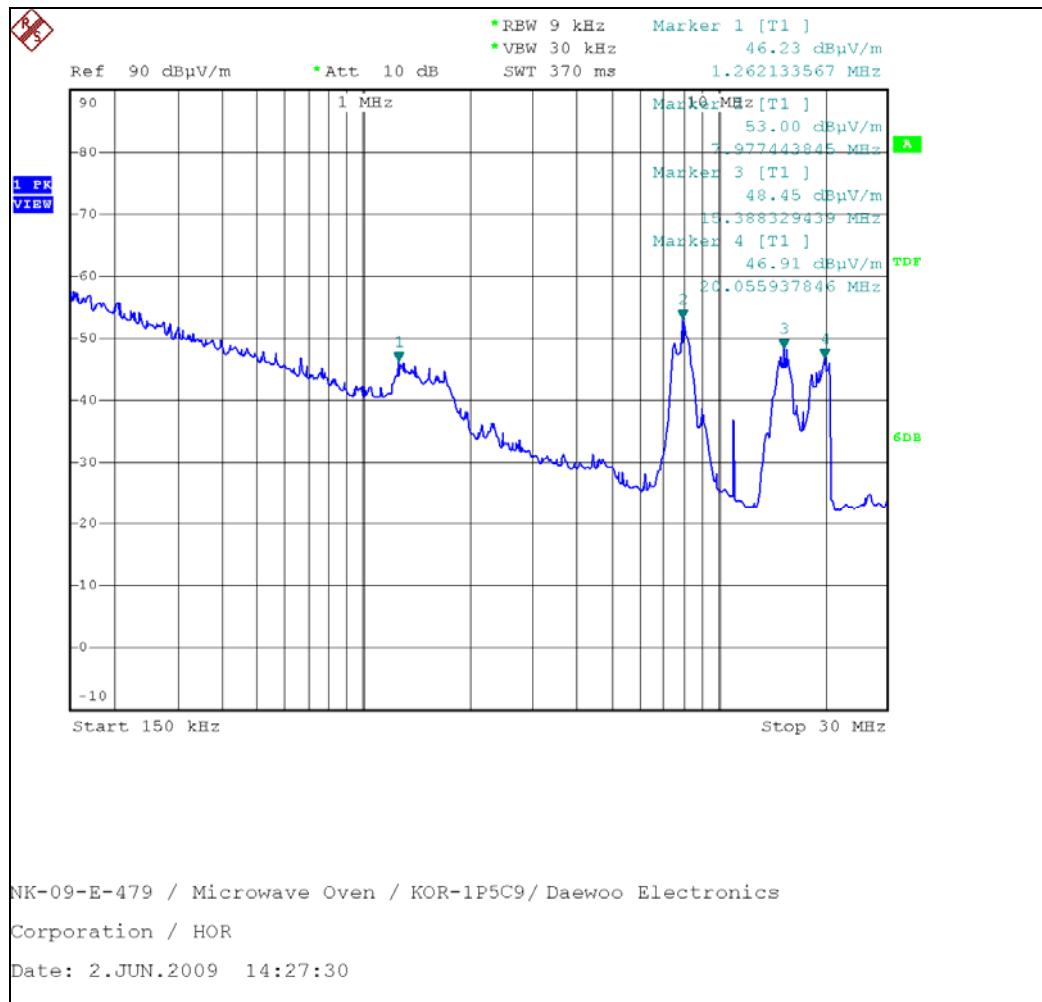
PLOTS OF EMISSIONS

- Conducted Emission at the Mains port (Neutral)



PLOTS OF EMISSIONS

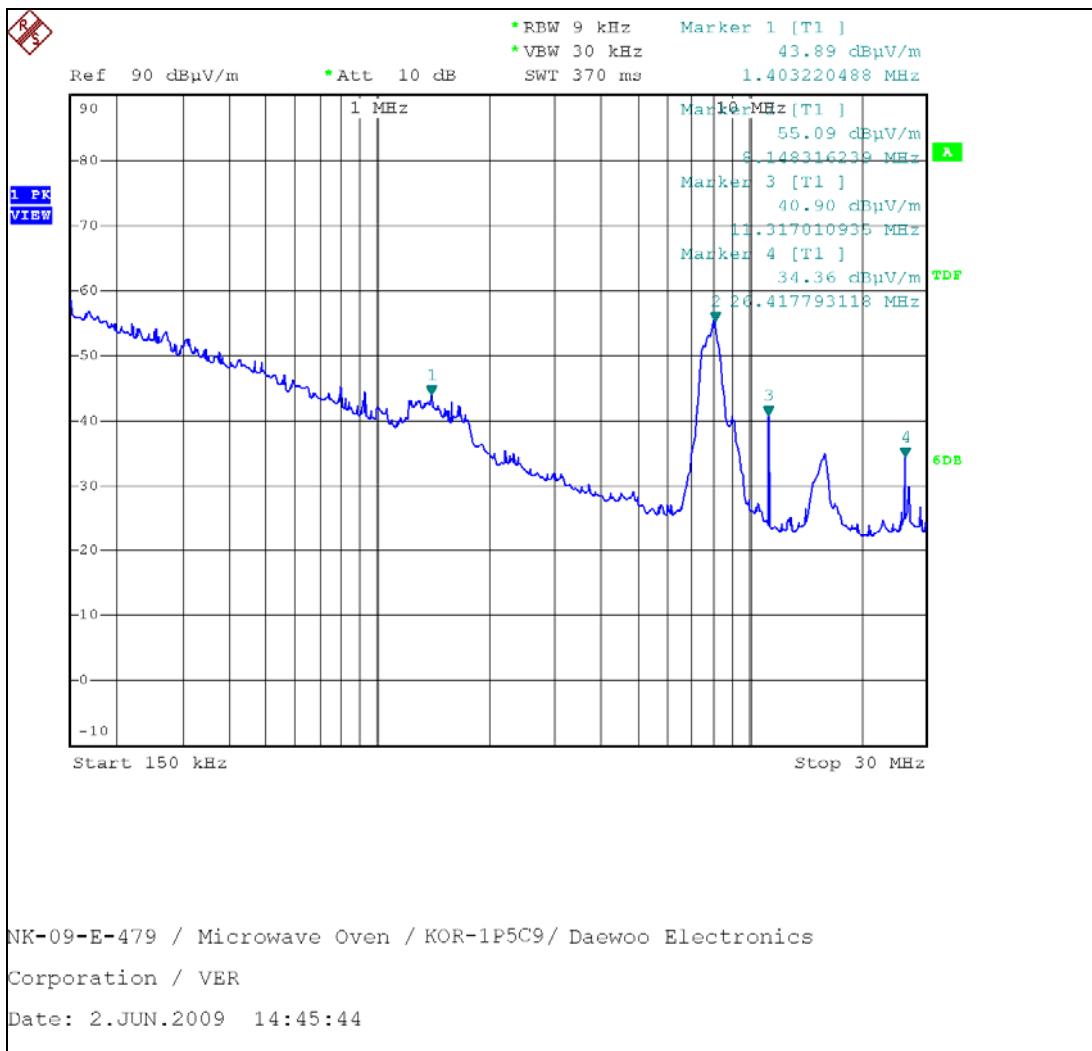
- **Radiated Emission (0.15 MHz ~ 30 MHz)**



(Horizontal)

PLOTS OF EMISSIONS

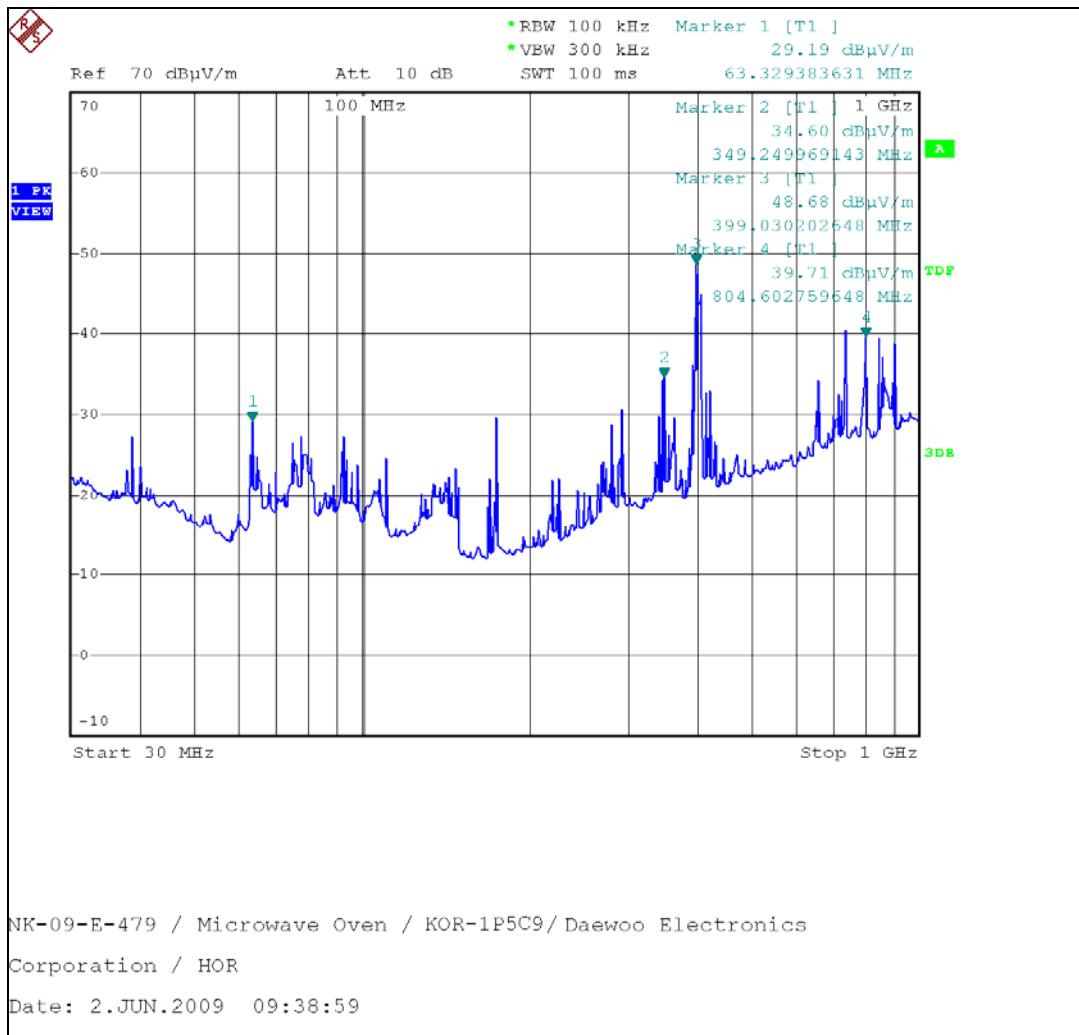
● Radiated Emission (0.15 MHz ~ 30 MHz)



(Vertical)

PLOTS OF EMISSIONS

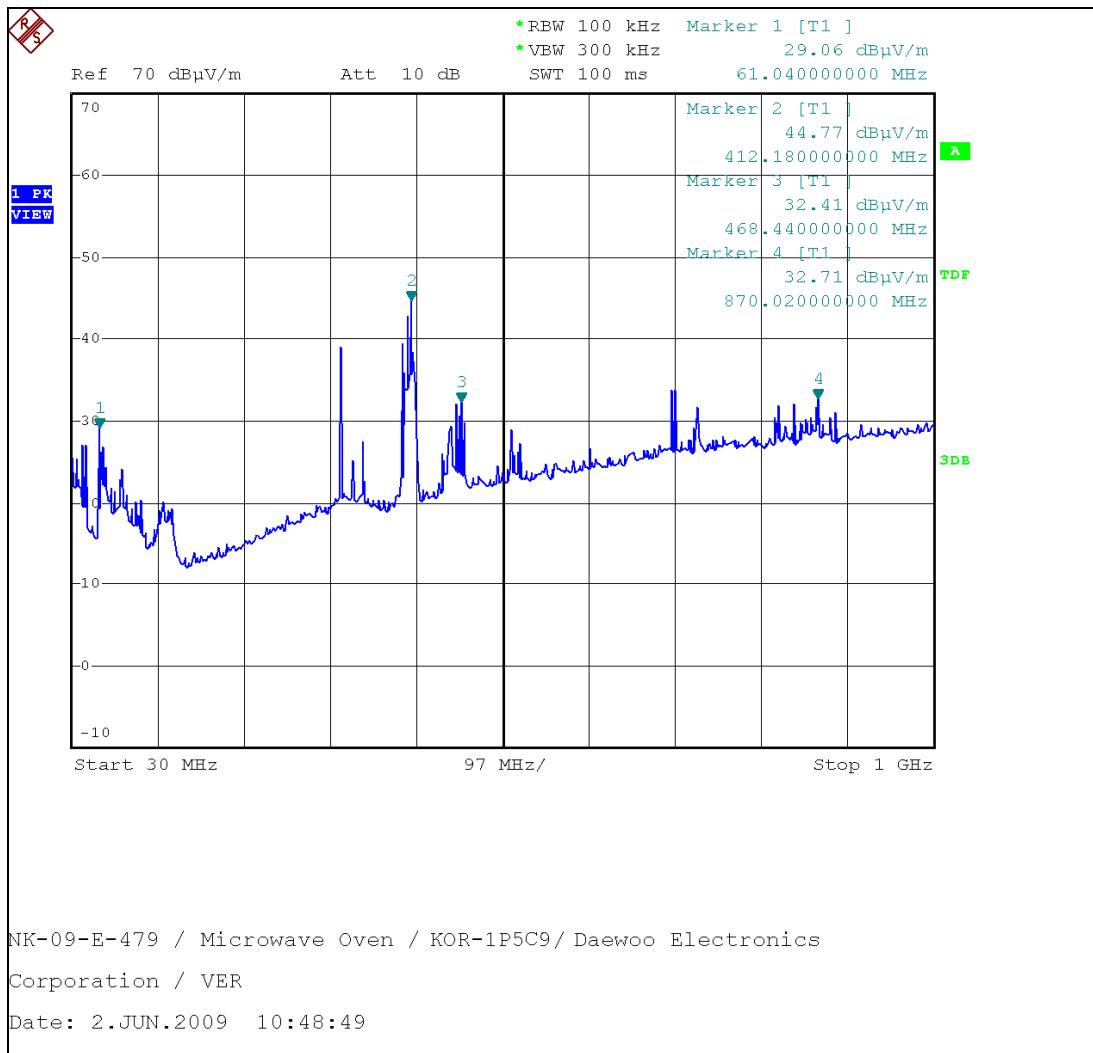
- **Radiated Emission (30 MHz ~ 1 GHz)**



(Horizontal)

PLOTS OF EMISSIONS

- ***Radiated Emission (30 MHz ~ 1 GHz)***



(Vertical)

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

<i>Contribution</i>	<i>Probability Distribution</i>	<i>Uncertainty(+/-dB)</i>
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 Imperfections	Rectangular	± 2.0
Mismatch:Receiver VRC $r_i=0.3$		
Antenna VRC $r_R=0.1(B_i)0.4(L_p)$	U-Shaped	+ 0.25 / - 0.26
Uncertainty Limits $20\log(1+/-r_i r_R)$		
System Repeatability	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

<i>Contribution</i>	<i>Probability Distribution</i>	<i>Uncertainty(+/-dB)</i>
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 $r_i=0.3$		
LISN vrc $r_g=0.1$	U-Shaped	± 0.26
Uncertainty Limits $20\log(1+/-r_i r_R)$		
System Repeatability	Std.deviation	± 0.68
Repeatability of EUT	-	-
Combined Standard Uncertainty	Normal	± 1.18
Expended Uncertainty U	Normal (k=2)	± 2.4

LIST OF TEST EQUIPMENT

No.	Instrument	Manufacturer	Model	Serial No.	Calibration Date	Calibration Interval
1	Test Receiver	R & S	ESCS 30	833364/020	Mar. 28 2009	1 year
2	*Test Receiver	R & S	ESCS 30	100302	Dec. 04 2008	1 year
3	*Amplifier	HP	8447F	2805A03406	Apr. 09 2009	1 year
4	*Amplifier	HP	8447F	2805A03351	Oct. 23 2008	1 year
5	*Pre Amplifier	HP	8449B	3008A00107	Feb. 02 2009	1 year
6	Spectrum Analyzer	Advantest	R3265A	45060401	Nov. 12 2008	1 year
7	*Spectrum Analyzer	R & S	FSP40	100361	Sep. 04 2008	1 year
8	*PSA Series Spectrum Analyzer	Agilent	E4440A	MY44022567	Sep. 09 2008	1 year
9	*Microwave Survey Meter	Holaday Industries	HI-1801	N/A	Jan. 22 2008	2 years
10	*Loop Antenna	EMCO	EMCO/6502	8911-2436	Jan. 29 2009	2 years
11	*Biconical Log Antenna	ARA	LPB-2520/A	1180	Apr. 21 2008	2 years
12	*Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	9168-257	Apr. 21 2008	2 years
13	*Double Ridged Broadband Horn Antenna	Schwarzbeck	BBHA 9120 D	9120D-474	June. 13 2008	2 years
14	Signal Generator	R & S	SMP02	833286/003	Jul. 21 2008	1 year
15	*LISN	R & S	ESH2-Z5	100227	Feb. 13 2009	1 year
16	LISN	Kyoritsu	KNW-407	8-1034-10	Feb. 12 2009	1 year
17	*Position Controller	DAEIL EMC	N/A	N/A	N/A	N/A
18	*Turn Table	DAEIL EMC	N/A	N/A	N/A	N/A
19	*Antenna Mast	DAEIL EMC	N/A	N/A	N/A	N/A
20	*Anechoic Chamber	EM Eng.	N/A	N/A	N/A	N/A
21	*Shielded Room	EM Eng.	N/A	N/A	N/A	N/A
22	*Anechoic Chamber	SY Corporation	N/A	N/A	N/A	N/A
23	Shielded Room	SY Corporation	N/A	N/A	N/A	N/A

**) Test equipment used during the test*

APPENDIX D – SCHEMATIC DIAGRAM

APPENDIX E – USER'S MANUAL

APPENDIX F – BLOCK DIAGRAM
