

APPLICATION FOR CERTIFICATION

On Behalf of

Tsann Kuen Enterprise Co., Ltd.

Microwave Oven

Model : (1)TSK-8401AMM (2)TSK-8402AMM
(3)TSK-8403AMM (4)TSK-8404AMM
(5)TSK-8401EMM (6)TSK-8402EMM
(7)TSK-8403EMM (8)TSK-8404EMM
(9)TSK-8403E (10)TSK-8404E

FCC ID : RBJ-TSKM840X

Prepared for : Tsann Kuen Enterprise Co., Ltd.
3, Kai Fa 2nd Road, Pao An Industrial District,
Ren Teh Hsiang, Tainan, Taiwan

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TEST REPORT CERTIFICATION

Applicant : Tsann Kuen Enterprise Co., Ltd.
 Manufacturer : Tsann Kuen (Zhangzhou) Enterprise Co., Ltd.
 EUT Description : Microwave Oven
 FCC ID : RBJ-TSKM840X
 (A) MODEL NO. : (1)TSK-8401AMM (2)TSK-8402AMM
 (3)TSK-8403AMM (4)TSK-8404AMM
 (5)TSK-8401EMM (6)TSK-8402EMM
 (7)TSK-8403EMM (8)TSK-8404EMM
 (9)TSK-8403E (10)TSK-8404E
 (B) SERIAL NO. : N/A
 (C) POWER SUPPLY : AC 120V, 60Hz

Measurement Procedure Used:

FCC RULES AND REGULATIONS PART 18 SUBPART C, OCT 2004
AND FCC/OST MP-5 FEBRUARY 1986

The device described above was tested by Audix Corporation to determine the maximum emission levels emanating from the device. The maximum emission levels were compared to the FCC Part 18 subpart C limits both radiated and conducted emissions.

The measurement results are contained in this test report and Audix Corporation is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the FCC official limits.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Audix Corporation.

Date of Test : Aug. 04 ~ 12, 2005

Prepared by : Monica Chang Aug. 17. 2005
(Monica Chang/Administrator)

Test Engineer : Alex Deng Aug. 19. 2005
(Alex Deng/Section Manager)

Approve & Authorized Signer: Leon Liu Aug. 20 2005
(Leon Liu/Senior Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description : Microwave Oven

Model Number : (1)TSK-8401AMM (2)TSK-8402AMM
(3)TSK-8403AMM (4)TSK-8404AMM
(5)TSK-8401EMM (6)TSK-8402EMM
(7)TSK-8403EMM (8)TSK-8404EMM
(9)TSK-8403E (10)TSK-8404E

The differences among above models are in the appearance of control panel & door, PCB assembly. The following models are representative selected and reported in this test report.

(1) Model No. TSK-8402AMM with configuration #1 (Magnetron : Witol, Type No. 2M315H + H.V. Transformer : Yunlu, Type No. KHT-R701ACK + Fan Motor : Heng Cheng, Type No. YJF62A-120)

(2) Model No. TSK-8402EMM with configuration #2 (Magnetron : Toshiba, Type No. 2M231CH(EP)-A + H.V. Transformer : DPC, Type No. EUPA-700A + Fan Motor : Heng Cheng, Type No. YJF62A-120)

(3) Model No. TSK-8402EMM with configuration #3 (Matsushita, Type 2M211A-M2J + H.V. Transformer : DPC, Type No. EUPA-700A + Fan Motor : Heng Cheng, Type No. YJF62A-120)

(4) Model No. TSK-8402EMM with configuration #4 (Matsushita, Type 2M211A-M2J + H.V. Transformer : Yunlu, Type No. KHT-R701ACK + Fan Motor : Heng Cheng, Type No. YJF62A-120)

Model Number	Appearance of Control Panel & Door	PCB Assembly	Magnetron + H.V. Transformer	Fan Motor
TSK-8401AMM (Mechanical Type)	See Appearance Photo	Not Provide	#1 (Magnetron : Witol, Type No. 2M315H + H.V. Transformer : Yunlu, Type No. KHT-R701ACK) #2 (Magnetron : Toshiba, Type No. 2M231CH(EP)-A + H.V. Transformer : DPC, Type No. EUPA-700A) #3 Magnetron : Matsushita, Type 2M211A-M2J + H.V. Transformer : DPC, Type No. EUPA-700A) #4 (Magnetron : Matsushita, Type 2M211A-M2J + H.V. Transformer : Yunlu, Type No. KHT-R701ACK)	#1 Tsann Kuen, Type No. TKM-M01 #2 Tsann Kuen, Type No. TKM-M02 #3 Heng Cheng, Type No. YJF62A-120
TSK-8402AMM (Mechanical Type)	See Appearance Photo	Not Provide		
TSK-8403AMM (Mechanical Type)	See Appearance Photo	Not Provide		
TSK-8404AMM (Mechanical Type)	See Appearance Photo	Not Provide		
TSK-8401EMM (Electronic Type)	See Appearance Photo	Provide		
TSK-8402EMM (Electronic Type)	See Appearance Photo	Provide		
TSK-8403EMM (Electronic Type)	See Appearance Photo	Provide		
TSK-8404EMM (Electronic Type)	See Appearance Photo	Provide		
TSK-8403E (Electronic Type)	See Appearance Photo	Provide		
TSK-8404E (Electronic Type)	See Appearance Photo	Provide		

Notes: 1. Each model has five colors (White/Black/Blue/Red/Sliver), four configurations (Magnetron + H.V. Transformer) and three fan motors.
2. TSK-8403EMM and TSK-8403E are identical except model no.
3. TSK-8404EMM and TSK-8404E are identical except model no.

FCC ID	:	RBJ-TSKM840X
Applicant	:	Tsann Kuen Enterprise Co., Ltd. 3, Kai Fa 2 nd Road, Pao An Industrial District, Ren Teh Hsiang, Tainan, Taiwan
Manufacturer	:	Tsann Kuen (Zhangzhou) Enterprise Co., Ltd. Tsann Kuen Industrial Park, Longchi Development District, Zhangzhou, Fujian, 363000, P.R. China
Magnetron	:	#1 Witol, Type No. 2M315H #2 Toshiba, Type No. 2M231CH(EP)-A #3 Matsushita, Type No. 2M211A-M2J
H.V. Transformer	:	#1 Yunlu, Type No. KHT-R701ACK #2 DPC, Type No. EUPA-700A
Fan Motor	:	#1 Tsann Kuen, Type No. TKM-M01 #2 Tsann Kuen, Type No. TKM-M02 #3 Heng Cheng, Type YJF62A-120
Frequency	:	2450MHz
Rated Current	:	10A
Microwave Output	:	700W
Rated Power Consumption	:	1150W
Power Cord	:	Non-Shielded, Undetachable, 1.0m (3-Pin)
Date of Receipt of Sample	:	Aug. 03, 2005
Date of Test	:	Aug. 04 ~ 12, 2005

1.2. Description of Test Facility

Name of Firm : **Audix Corporation**
Technical Division EMC Department
 No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,
 Taipei County, Taiwan, R.O.C.

Test Site : **No. 2 Shielded Room**
 (C2/AC) No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,
 Taipei County, Taiwan, R.O.C.

Semi-Anechoic Chamber
 Federal Communication Commission
 Registration Number: 90993
 Filing on May 16, 2003
 No. 53-11, Tin-Fu Tsun, Lin-Kou,
 Taipei County, Taiwan, R.O.C.

NVLAP Lab. Code : 200077-0
 (NVLAP is a NATA accredited body under Mutual Recognition Agreement)

1.3. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Conduction Test	150kHz~30MHz	±1.73dB
Radiation Test (Distance: 3m)	30MHz~300MHz	±2.91dB
	300MHz~1000MHz	±2.94dB

Remark : Uncertainty = $ku_c(y)$

2. INPUT POWER MEASUREMENT

2.1. Test Equipment

The following test equipment was used during the input power measurement :

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Universal Power Analyzer	Voltech	PM3000A	AL109/9072	May 13, 05'	May 12, 06'

2.2. Test Setup

2.2.1. Block Diagram of connection between EUT and simulators

MICROWAVE OVEN (EUT)

2.2.2. Block Diagram of connection between EUT and test equipment



2.3. Operating Condition of EUT and Measurement Procedure

The input power was measured using a universal power analyzer. 700 milliliters of water in the beaker was placed in the center of the Microwave Oven (EUT). The Microwave Oven (EUT) was operated at the rated input and full output power for 6 minutes.

2.4. Measurement Results

2.4.1. EUT : Microwave Oven

M/N : TSK-8402AMM

(Magnetron : Witol, Type No. 2M315H,

H.V. Transformer : Yunlu, Type No. KHT-R701ACK)

Test Date : Aug. 10, 2005 Temperature : 20°C Humidity : 69%

Load : 700ml

Measured Input			Manufacturer's Input	
Voltage (Vac)	Current (A)	Input Power (W)	Current (A)	Input Power (W)
120	9.48	1157	10A	1150W

2.4.2. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Toshiba, Type No. 2M231CH(EP)-A,
H.V. Transformer : DPC, Type No. EUPA-700A)

Test Date : Aug. 04, 2005 Temperature : 20°C Humidity : 69%

Load : 700ml

Measured Input			Manufacturer's Input	
Voltage (Vac)	Current (A)	Input Power (W)	Current (A)	Input Power (W)
120	9.45	1121	10A	1150W

2.4.3. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Matsushita, Type 2M211A-M2J,
H.V. Transformer : DPC, Type No. EUPA-700A)

Test Date : Aug. 12, 2005 Temperature : 20°C Humidity : 69%

Load : 700ml

Measured Input			Manufacturer's Input	
Voltage (Vac)	Current (A)	Input Power (W)	Current (A)	Input Power (W)
120	9.5	1088	10A	1150W

2.4.4. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Matsushita, Type 2M211A-M2J,
H.V. Transformer : Yunlu, Type No. KHT-R701ACK)

Test Date : Aug. 10, 2005 Temperature : 20°C Humidity : 69%

Load : 700ml

Measured Input			Manufacturer's Input	
Voltage (Vac)	Current (A)	Input Power (W)	Current (A)	Input Power (W)
120	9.51	1164	10A	1150W

3. OUTPUT POWER MEASUREMENT

3.1. Test Equipment

None.

3.2. Test Setup

MICROWAVE OVEN (EUT)

3.3. Operating Condition of EUT and Measurement Procedure

The Calorimetric Method was used to determine maximum output power. 1000 milliliters of water in the beaker was placed in the center of the Microwave Oven (EUT). A mercury thermometer was used to measure temperature rise.

3.4. Measurement Results

3.4.1. EUT : Microwave Oven

M/N : TSK-8402AMM

(Magnetron : Witol, Type No. 2M315H,

H.V. Transformer : Yunlu, Type No. KHT-R701ACK)

Test Date : Aug. 10, 2005 Temperature : 20°C Humidity : 69%

Load : 1000ml

Manufacture's Output : 700W

Load	Initial Water Temperature °C	Final Water Temperature °C	Heating Duration (Sec.)
1000ml	28 °C	45 °C	120

$$\text{Power [W]} = \frac{4.2 \text{ (Joules/Cal)} \times \text{Volume in ml} \times \text{Temperature Rise}}{\text{Time in Seconds}}$$

$$\text{Power [W]} = \frac{4.2 \times 1000 \times 17}{120} = 595\text{W}$$

3.4.2. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Toshiba, Type No. 2M231CH(EP)-A,

H.V. Transformer : DPC, Type No. EUPA-700A)

Test Date : Aug. 04, 2005 Temperature : 20°C Humidity : 69%

Load : 1000ml

Manufacture's Output : 700W

Load	Initial Water Temperature °C	Final Water Temperature °C	Heating Duration (Sec.)
1000ml	27 °C	43 °C	120

$$\text{Power [W]} = \frac{4.2 \text{ (Joules/Cal)} \times \text{Volume in ml} \times \text{Temperature Rise}}{\text{Time in Seconds}}$$

$$\text{Power [W]} = \frac{4.2 \times 1000 \times 16}{120} = 560\text{W}$$

3.4.3. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Matsushita, Type 2M211A-M2J,

H.V. Transformer : DPC, Type No. EUPA-700A)

Test Date : Aug. 12, 2005 Temperature : 20°C Humidity : 69%

Load : 1000ml

Manufacture's Output : 700W

Load	Initial Water Temperature °C	Final Water Temperature °C	Heating Duration (Sec.)
1000ml	28 °C	45 °C	120

$$\text{Power [W]} = \frac{4.2 \text{ (Joules/Cal)} \times \text{Volume in ml} \times \text{Temperature Rise}}{\text{Time in Seconds}}$$

$$\text{Power [W]} = \frac{4.2 \times 1000 \times 17}{120} = 595\text{W}$$

3.4.4. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Matsushita, Type 2M211A-M2J,

H.V. Transformer : Yunlu, Type No. KHT-R701ACK)

Test Date : Aug. 10, 2005 Temperature : 20°C Humidity : 69%

Load : 1000ml

Manufacture's Output : 700W

Load	Initial Water Temperature °C	Final Water Temperature °C	Heating Duration (Sec.)
1000ml	27 °C	44 °C	120

$$\text{Power [W]} = \frac{4.2 \text{ (Joules/Cal)} \times \text{Volume in ml} \times \text{Temperature Rise}}{\text{Time in Seconds}}$$

$$\text{Power [W]} = \frac{4.2 \times 1000 \times 17}{120} = 595\text{W}$$

4. OUTPUT FREQUENCY MEASUREMENT

4.1. Test Equipment

The following test equipment was used during the input power measurement :

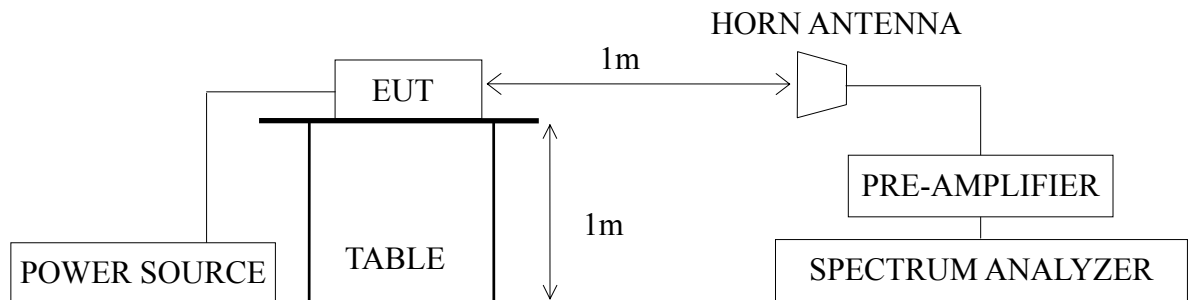
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Oct. 04, 04'	Oct. 03, 05'
2.	Horn Antenna	EMCO	3115	9112-3775	May 04, 05'	May 03, 06'
3.	Pre-Amplifier	HP	8449B	3008A00529	Jan. 14, 05'	Jan. 13, 06'

4.2. Test Setup

4.2.1. Block Diagram of connection between EUT and simulators



4.2.2. Block Diagram of connection between EUT and test equipment



4.3. Operating Condition of EUT and Measurement Procedure

The fundamental frequency was measured using a spectrum analyzer. The Microwave Oven (EUT) was operated in “Power-High” mode and without load.

4.4. Measurement Results

4.4.1. EUT : Microwave Oven

M/N : TSK-8402AMM

(Magnetron : Witol, Type No. 2M315H,

H.V. Transformer : Yunlu, Type No. KHT-R701ACK)

Test Date : Aug. 10, 2005 Temperature : 20°C Humidity : 69%

Load : No Load

Measured Frequency (MHz)	Manufacture's Rated Frequency
2470.7	2450

4.4.2. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Toshiba, Type No. 2M231CH(EP)-A,
H.V. Transformer : DPC, Type No. EUPA-700A)

Test Date : Aug. 04, 2005 Temperature : 20°C Humidity : 69%

Load : No Load

Measured Frequency (MHz)	Manufacture's Rated Frequency
2455.1	2450

4.4.3. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Matsushita, Type 2M211A-M2J,
H.V. Transformer : DPC, Type No. EUPA-700A)

Test Date : Aug. 12, 2005 Temperature : 20°C Humidity : 69%

Load : No Load

Measured Frequency (MHz)	Manufacture's Rated Frequency
2477.9	2450

4.4.4. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Matsushita, Type 2M211A-M2J,
H.V. Transformer : Yunlu, Type No. KHT-R701ACK)

Test Date : Aug. 10, 2005 Temperature : 20°C Humidity : 69%

Load : No Load

Measured Frequency (MHz)	Manufacture's Rated Frequency
2473.7	2450

5. FREQUENCY MEASUREMENT

5.1. Test Equipment

The following test equipment was used during the input power measurement :

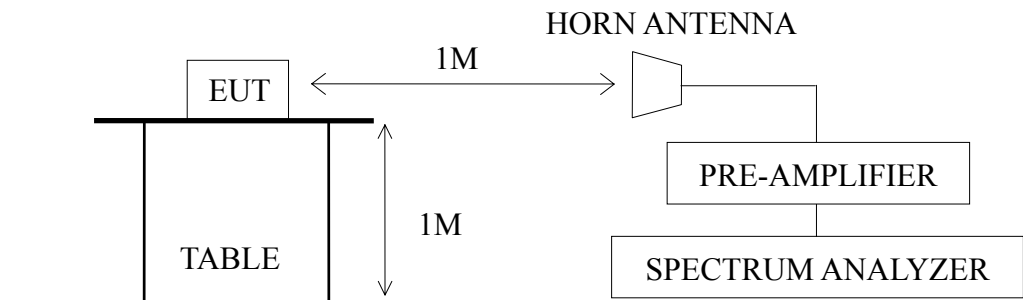
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Oct. 04, 04'	Oct. 03, 05'
2.	Horn Antenna	EMCO	3115	9112-3775	May 04, 05'	May 03, 06'
3.	Pre-Amplifier	HP	8447D	2944A06305	Mar. 10, 05'	Mar. 09, 06'

5.2. Test Setup

5.2.1. Block Diagram of connection between EUT and simulators



5.2.2. Block Diagram of connection between EUT and test equipment



5.3. Operating Condition of EUT and Measurement Procedure

5.3.1. The Variation of frequency with time

The operating frequency was measured using a spectrum analyzer. Starting with the EUT at room temperature, 1000 milliliters of water in the beaker was placed in the center of the Microwave Oven (EUT) and the EUT was operated at maximum output power.

The fundamental operating frequency was monitored until the water load was reduced to 20% of the original load.

5.3.2. The Variation of frequency for line voltage

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.

The water load was maintained at 1000ml for the duration of the test.

5.4. Measurement Results

PASSED. All the test results are listed in the following and next two pages.

5.4.1. EUT : Microwave Oven

M/N : TSK-8402AMM

(Magnetron : Witol, Type No. 2M315H,
H.V. Transformer : Yunlu, Type No. KHT-R701ACK)

Test Date : Aug. 10, 2005 Temperature : 20°C Humidity : 69%

5.4.1.1. The Variation of frequency with time

Frequency was measured at the rated input voltage (AC 120V).

Initial Load: 1000ml

Final Load: 200ml

Fundamental Frequency: 2470.7MHz

Limit: $2.4\text{GHz} < f < 2.5\text{GHz}$

Maximum Frequency Observed: 2469.2MHz

Minimum Frequency Observed: 2452.1MHz

Results: PASSED.

5.4.1.2. The Variation of frequency for line voltage

Variation of line voltage from 80% (96V) to 125% (150V)

Load: 1000ml

Fundamental Frequency: 2470.7MHz

Limit: $2.4\text{GHz} < f < 2.5\text{GHz}$

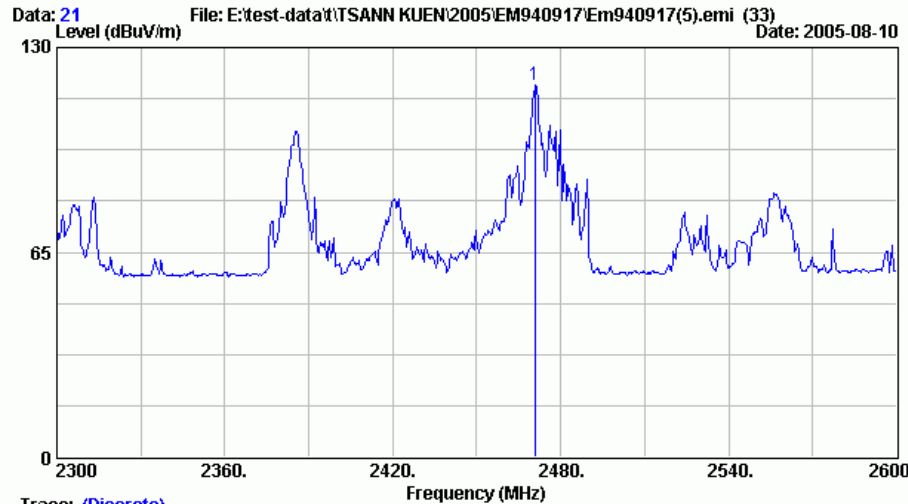
Maximum Frequency Observed: 2474.6MHz

Minimum Frequency Observed: 2447.6MHz

Results: PASSED.

Fundamental Frequency: 2470.7MHz

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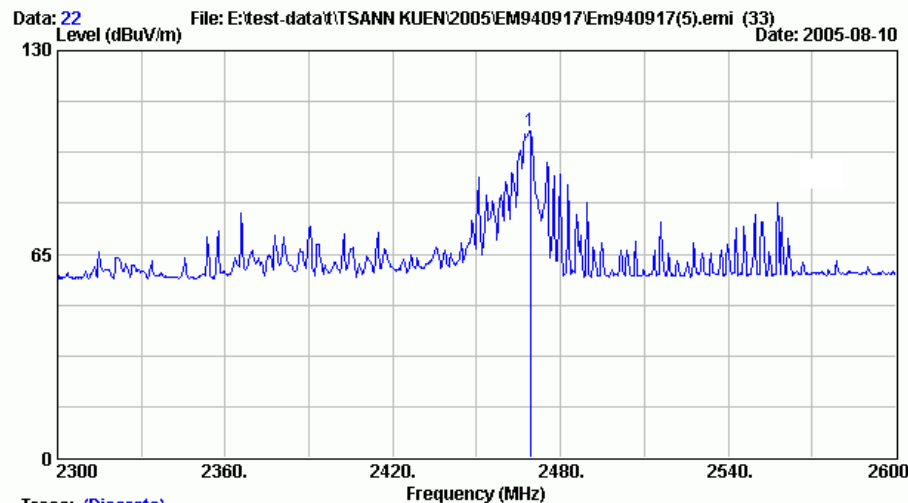


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 21
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Power : Max		
	: No load		

Load: 200ml, Voltage: 120V

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Email:ttemc@ttemc.com.tw

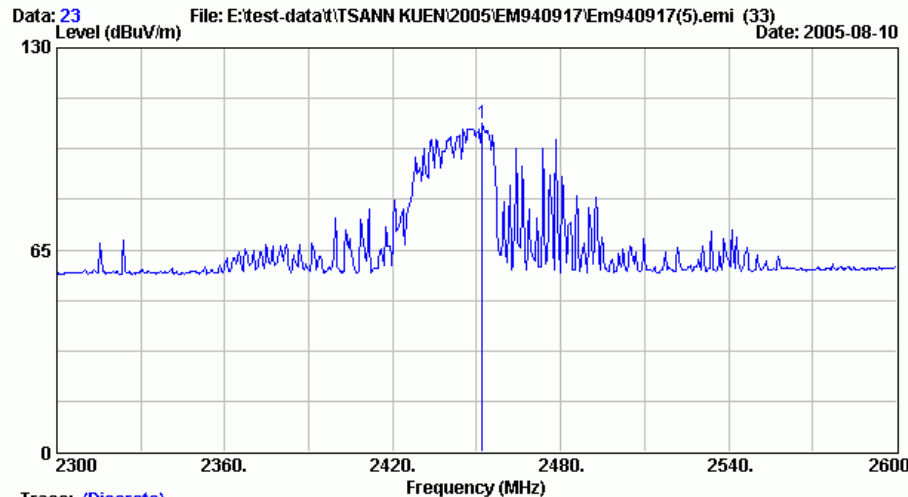


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 22
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Power : Max		
	: 200 milliliters of waters in the beaker		
	: located in the center of the oven		

Load: 1000ml, Voltage: 120V

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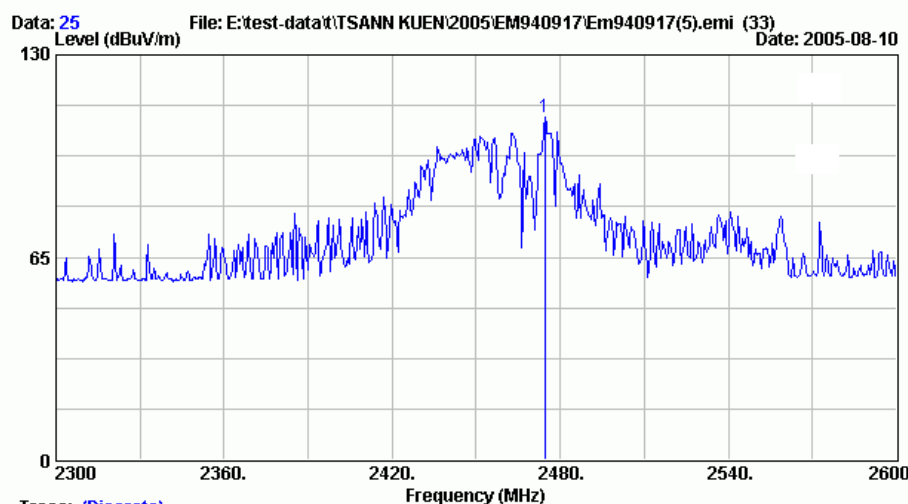


Trace: (Discrete)

Site no. : A/C Chamber Data no. : 23
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit :
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402AMM
Power Rating : 120Vac/60Hz
Test Mode : Power : Max
1000 milliliters of waters in the beaker
located in the center of the oven

Voltage Variation: 80%, Voltage: 96V, Load: 1000ml

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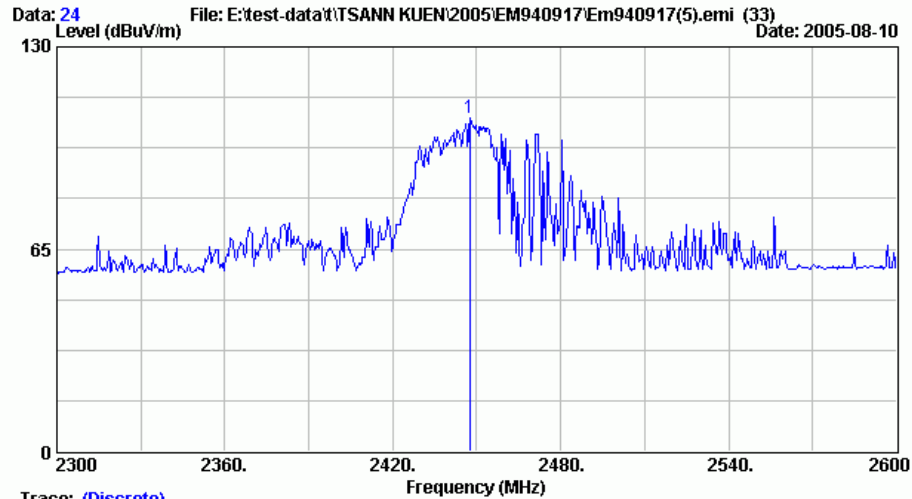
Trace: (Discrete)

Site no. : A/C Chamber Data no. : 25
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit :
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402AMM
Power Rating : 96Vac/60Hz
Test Mode : Power : Max
1000 milliliters of waters in the beaker
located in the center of the oven

Voltage Variation: 125%, Voltage: 150V, Load: 1000ml



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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 24
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 150Vac/60Hz		
Test Mode	: Power : Max		
	1000 milliliters of waters in the beaker		
	located in the center of the oven		

5.4.2. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Toshiba, Type No. 2M231CH(EP)-A,
H.V. Transformer : DPC, Type No. EUPA-700A)

Test Date : Aug. 04, 2005 Temperature : 20°C Humidity : 69%

5.4.2.1. The Variation of frequency with time

Frequency was measured at the rated input voltage (AC 120V).

Initial Load: 1000ml

Final Load: 200ml

Fundamental Frequency: 2455.1MHz

Limit: $2.4\text{GHz} < f < 2.5\text{GHz}$

Maximum Frequency Observed: 2460.0MHz

Minimum Frequency Observed: 2447.6MHz

Results: PASSED.

5.4.2.2. The Variation of frequency for line voltage

Variation of line voltage from 80% (96V) to 125% (150V)

Load: 1000ml

Fundamental Frequency: 2455.1MHz

Limit: $2.4\text{GHz} < f < 2.5\text{GHz}$

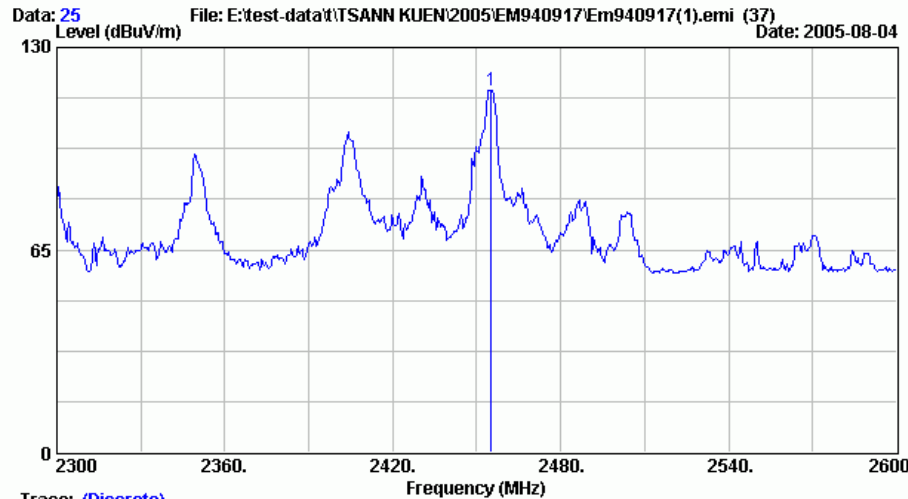
Maximum Frequency Observed: 2453.6MHz

Minimum Frequency Observed: 2450.9MHz

Results: PASSED.

Fundamental Frequency: 2455.1MHz

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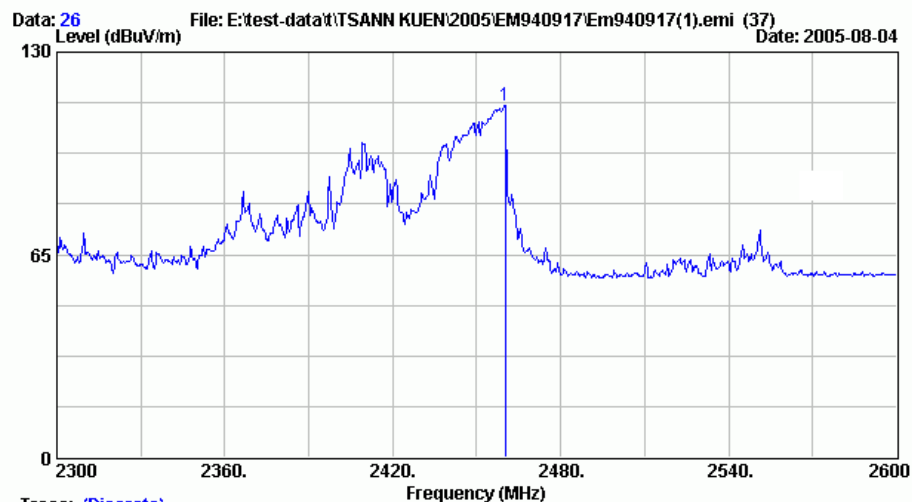


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 25
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Power: Max		
	No load		

Load: 200ml, Voltage: 120V

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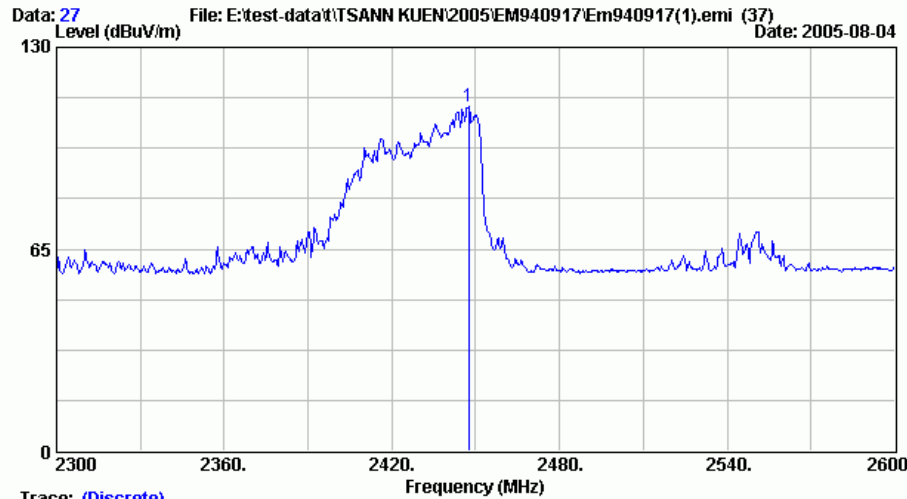


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 26
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Power: Max		
	200 milliliters of waters in the beaker		
	located in the center of the oven		

Load: 1000ml, Voltage: 120V

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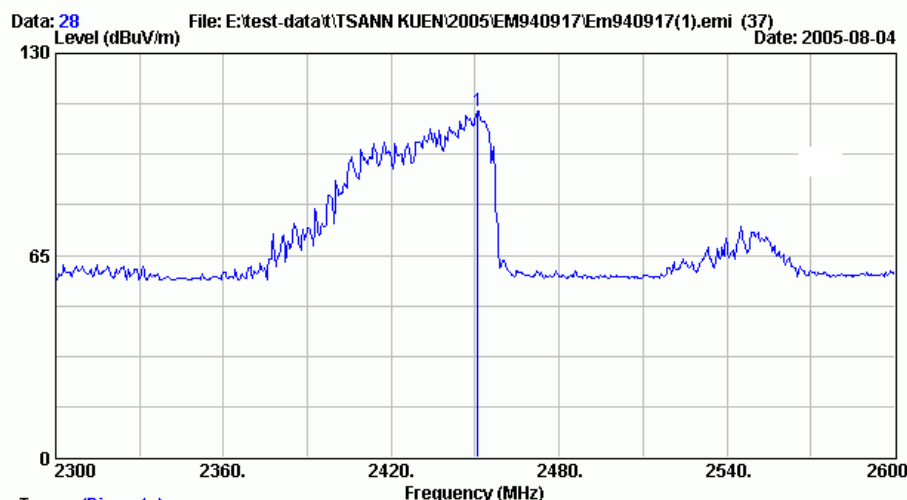


Trace: (Discrete)

Site no. : A/C Chamber Data no. : 27
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit :
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Power: Max
1000 milliliters of waters in the beaker
located in the center of the oven

Voltage Variation: 80%, Voltage: 96V, Load: 1000ml

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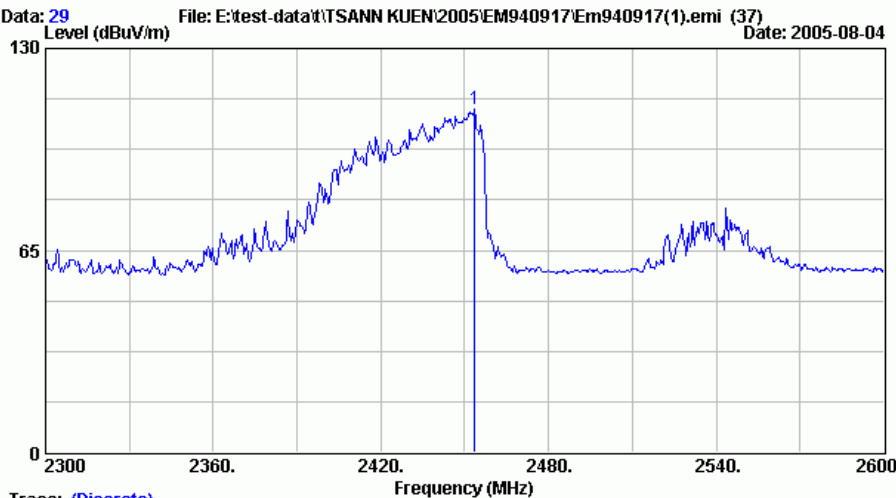
Trace: (Discrete)

Site no. : A/C Chamber Data no. : 28
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit :
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 96Vac/60Hz
Test Mode : Power: Max
1000 milliliters of waters in the beaker
located in the center of the oven

Voltage Variation: 125%, Voltage: 150V, Load: 1000ml



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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 29
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 150Vac/60Hz		
Test Mode	: Power: Max		
	1000 milliliters of waters in the beaker		
	located in the center of the oven		

5.4.3. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Matsushita, Type 2M211A-M2J,
H.V. Transformer : DPC, Type No. EUPA-700A)

Test Date : Aug. 12, 2005 Temperature : 20°C Humidity : 69%

5.4.3.1. The Variation of frequency with time

Frequency was measured at the rated input voltage (AC 120V).

Initial Load: 1000ml

Final Load: 200ml

Fundamental Frequency: 2477.9MHz

Limit: $2.4\text{GHz} < f < 2.5\text{GHz}$

Maximum Frequency Observed: 2468.9MHz

Minimum Frequency Observed: 2451.2MHz

Results: PASSED.

5.4.3.2. The Variation of frequency for line voltage

Variation of line voltage from 80% (96V) to 125% (150V)

Load: 1000ml

Fundamental Frequency: 2477.9MHz

Limit: $2.4\text{GHz} < f < 2.5\text{GHz}$

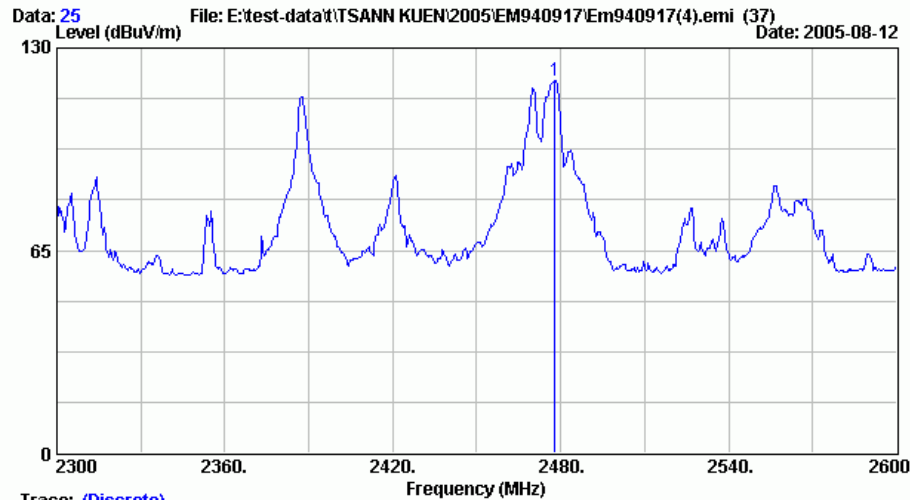
Maximum Frequency Observed: 2476.1MHz

Minimum Frequency Observed: 2475.2MHz

Results: PASSED.

Fundamental Frequency: 2477.9MHz

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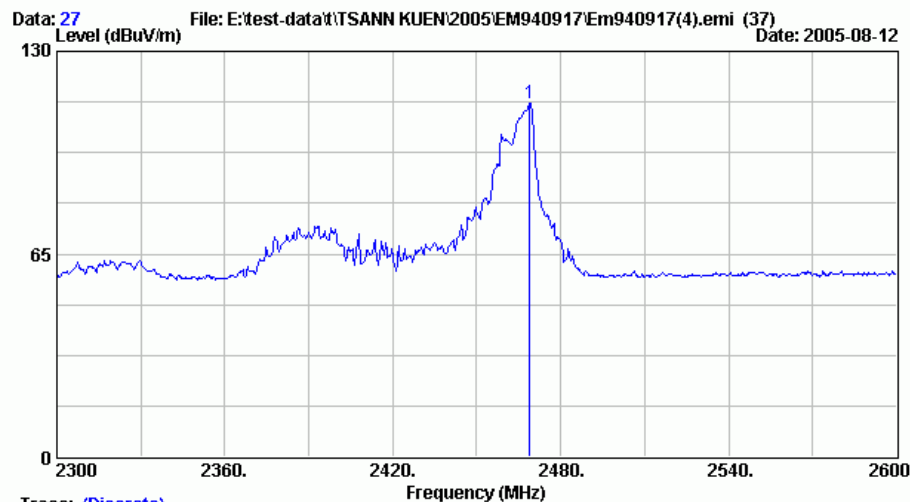


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 25
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Power : Max		
	: No load		

Load: 200ml, Voltage: 120V

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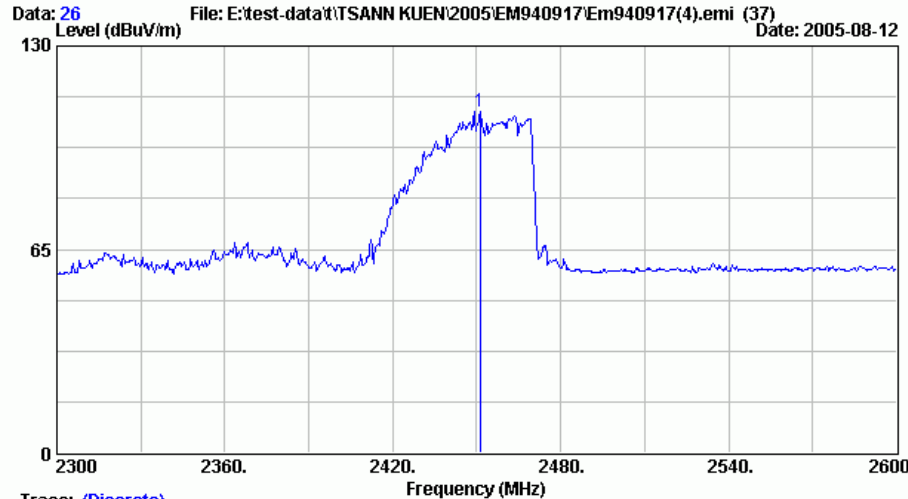


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 27
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Power : Max		
	: 200 milliliters of waters in the beaker		
	: located in the center of the oven		

Load: 1000ml, Voltage: 120V

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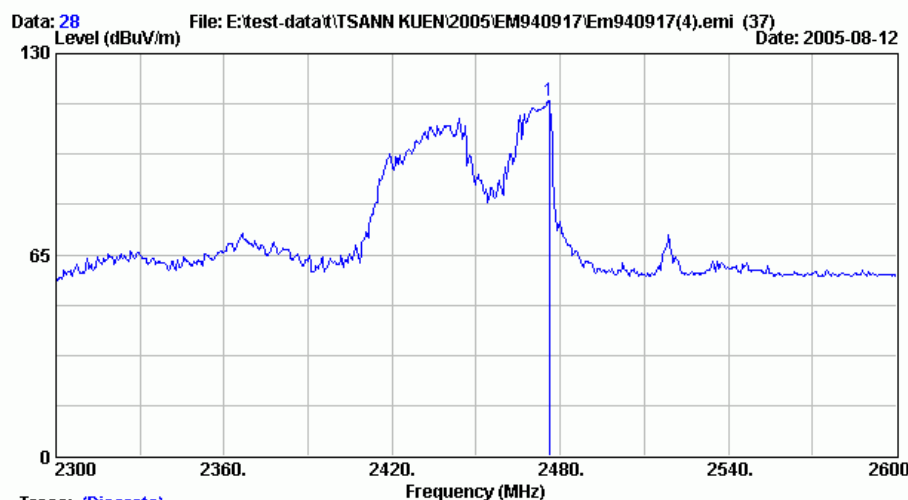


Trace: (Discrete)

Site no. : A/C Chamber Data no. : 26
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit :
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Power : Max
1000 milliliters of waters in the beaker
located in the center of the oven

Voltage Variation: 80%, Voltage: 96V, Load: 1000ml

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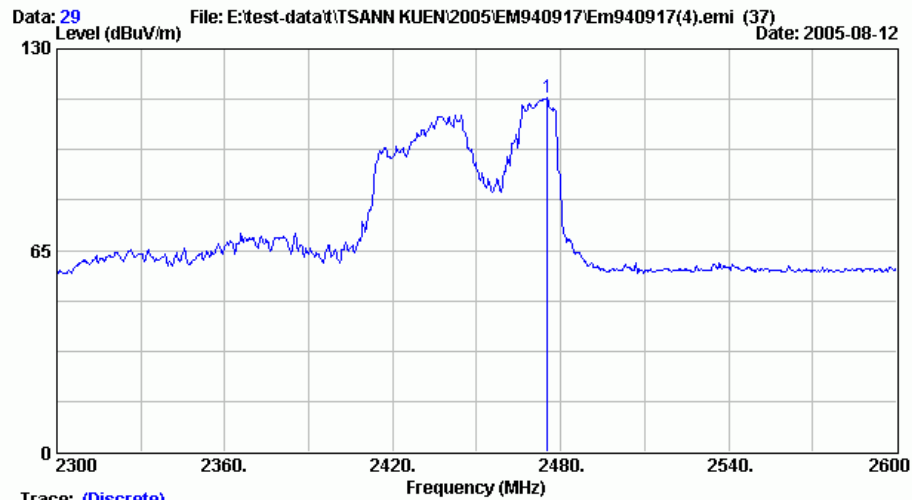


Trace: (Discrete)

Site no. : A/C Chamber Data no. : 28
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit :
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 96Vac/60Hz
Test Mode : Power : Max
1000 milliliters of waters in the beaker
located in the center of the oven

Voltage Variation: 125%, Voltage: 150V, Load: 1000ml

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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 29
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 150Vac/60Hz		
Test Mode	: Power : Max		
	1000 milliliters of waters in the beaker		
	located in the center of the oven		

5.4.4. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Matsushita, Type 2M211A-M2J,

H.V. Transformer : Yunlu, Type No. KHT-R701ACK)

Test Date : Aug. 10, 2005 Temperature : 20°C Humidity : 69%

5.4.4.1. The Variation of frequency with time

Frequency was measured at the rated input voltage (AC 120V).

Initial Load: 1000ml

Final Load: 200ml

Fundamental Frequency: 2473.7MHz

Limit: $2.4\text{GHz} < f < 2.5\text{GHz}$

Maximum Frequency Observed: 2470.1MHz

Minimum Frequency Observed: 2468.6MHz

Results: PASSED.

5.4.4.2. The Variation of frequency for line voltage

Variation of line voltage from 80% (96V) to 125% (150V)

Load: 1000ml

Fundamental Frequency: 2473.7MHz

Limit: $2.4\text{GHz} < f < 2.5\text{GHz}$

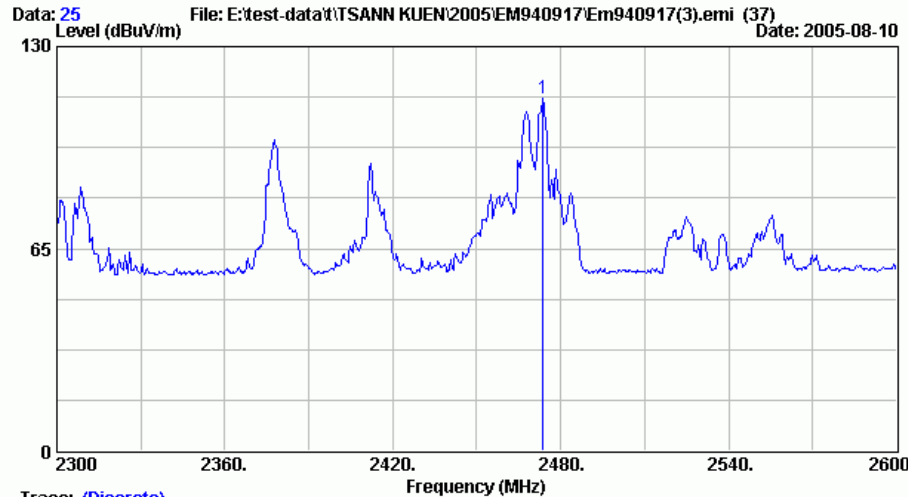
Maximum Frequency Observed: 2469.2MHz

Minimum Frequency Observed: 2467.1MHz

Results: PASSED.

Fundamental Frequency: 2473.7MHz

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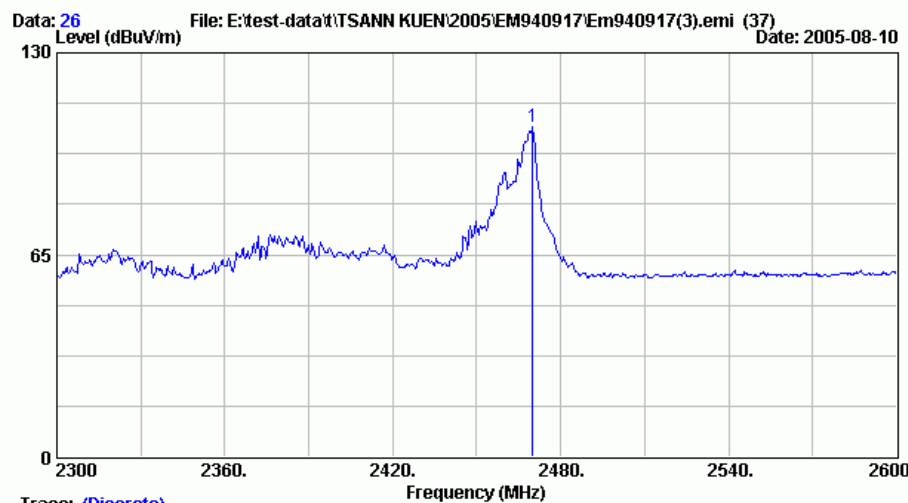


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 25
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Power : Max		
	No load		

Load: 200ml, Voltage: 120V

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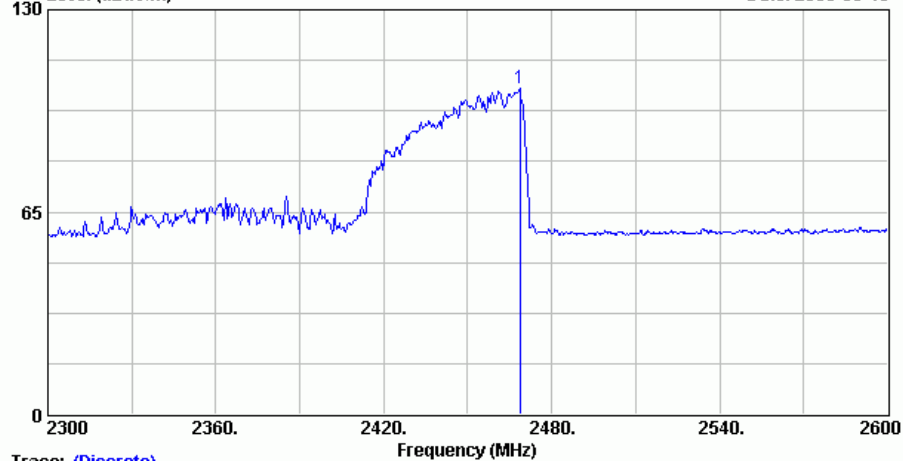
Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 26
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Power : Max		
	200 milliliters of waters in the beaker		
	located in the center of the oven		

Load: 1000ml, Voltage: 120V

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Data: 27 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-10

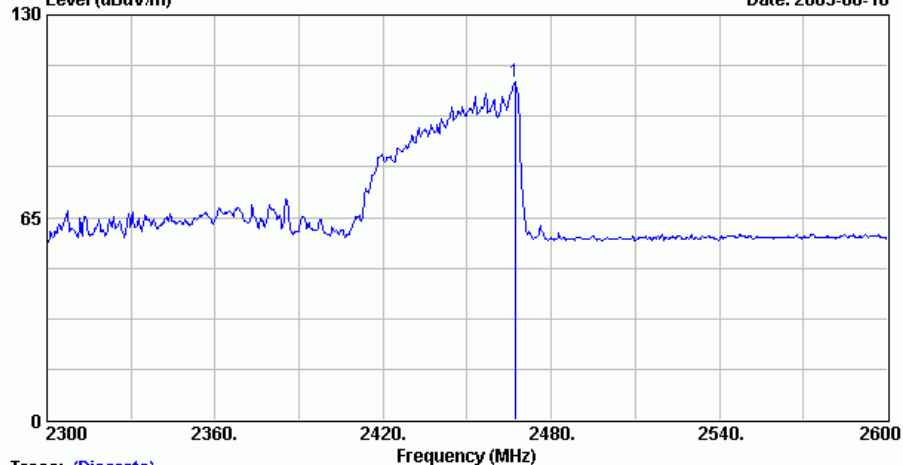


Trace: (Discrete)
Site no. : A/C Chamber Data no. : 27
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit :
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Power : Max
1000 milliliters of waters in the beaker
located in the center of the oven

Voltage Variation: 80%, Voltage: 96V, Load: 1000ml

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Data: 28 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-10

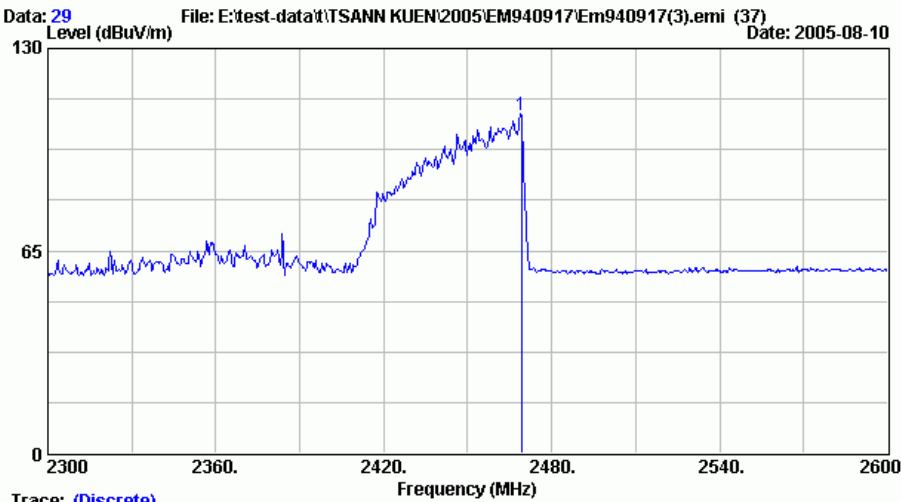


Trace: (Discrete)
Site no. : A/C Chamber Data no. : 28
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit :
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 96Vac/60Hz
Test Mode : Power : Max
1000 milliliters of waters in the beaker
located in the center of the oven

Voltage Variation: 125%, Voltage: 150V, Load: 1000ml



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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 29
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 150Vac/60Hz		
Test Mode	: Power : Max		
	1000 milliliters of waters in the beaker		
	located in the center of the oven		

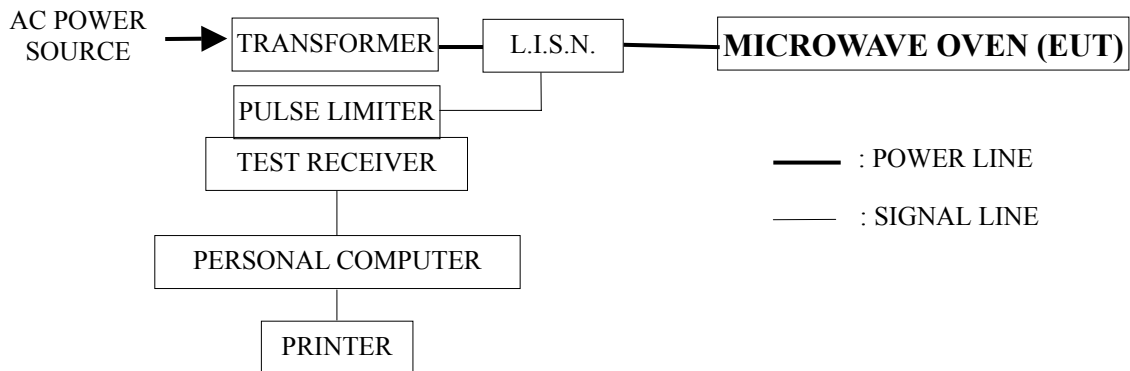
6. CONDUCTED EMISSION MEASUREMENT

6.1. Test Equipment

The following test equipment was used during the conducted emission measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R&S	ESCS30	100265	Oct. 04, 04'	Oct. 03, 05'
2.	L.I.S.N.	Kyoritsu	KNW-407	8-855-9	Apr. 19, 05'	Apr. 18, 06'
3.	Pulse Limiter	R&S	ESH3Z2	001	Apr. 08, 05'	Apr. 07, 06'

6.2. Test Setup



6.3. Conduction Limits [18.307(b)]

Frequency of Emission	Maximum RF Line Voltage	
	Quasi-Peak Level	Average Level
150kHz ~ 500kHz	66 ~ 56 dB μ V*	56 ~ 46 dB μ V*
500kHz ~ 5MHz	56 dB μ V	46 dB μ V
5MHz ~ 30MHz	60 dB μ V	50 dB μ V

Remark 1.: If the average limit is met when using a Quasi-Peak detector, the EUT shall be deemed to meet both limits and measurement with the average detector is unnecessary.

2.: * Decreases with the logarithm of the frequency.

6.4. Operating Condition of EUT

- 6.4.1. Setup the EUT and simulator as shown on 6.2.
- 6.4.2. Turned on the power of all equipment.
- 6.4.3. The Microwave Oven (EUT) was set in test modes, and all the test modes are listed in section 6.6.

6.5. Test Procedure

The EUT was put on table which was above the ground by 80cm and its power cord was connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provided a 50 ohm coupling impedance for the measuring equipment. (Please refer to the block diagram of the test setup and photographs.) Both sides of A.C. line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions simulators of the interface cables were manipulated according to FCC PART 18 during conducted measurement.

The bandwidth of the R&S Test Receiver ESCS30 was set at 9kHz.

The frequency range from 0.15MHz to 30MHz was pre-scanned with a peak detector. All the final readings from test receiver were measured with Quasi-Peak detector and Average detector. (Remark: If the Average limit is met when using a Quasi-Peak detector, the Average detector is unnecessary)

6.6. Conducted Emission Measurement Results

PASSED. All emissions not reported below are too low against the prescribed limits.

6.6.1. EUT : Microwave Oven

M/N : TSK-8402AMM

(Magnetron : Witol, Type No. 2M315H,
H.V. Transformer : Yunlu, Type No. KHT-R701ACK)

EUT with following test modes were measured during conducted testing and all the test results are listed in next pages.

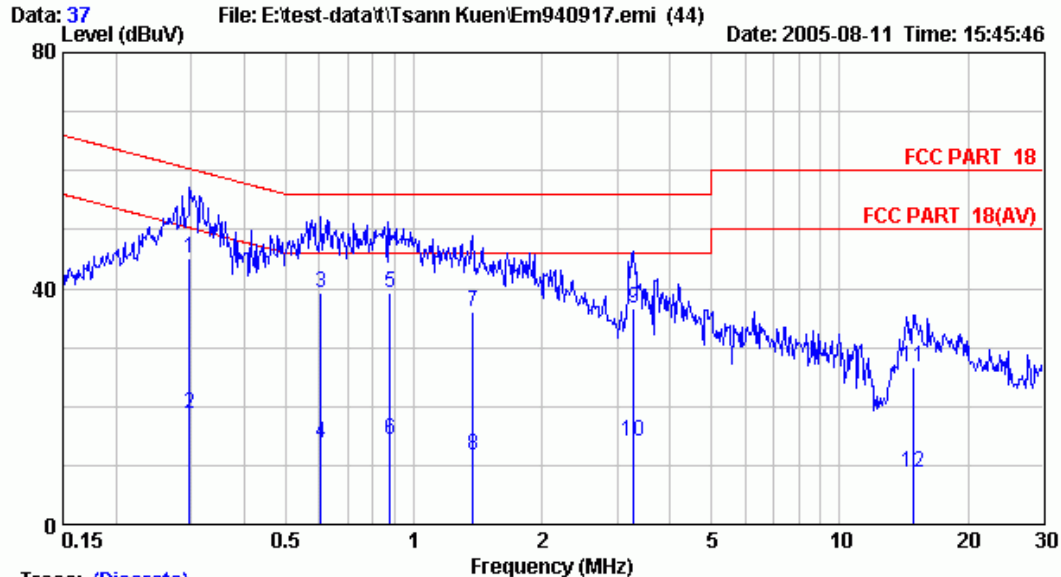
Test Date : Aug. 11, 2005 Temperature : 26°C Humidity : 50%

The details of test mode and reference test data are as follows :

NO.	Test Mode	Reference Test Data No.	
		Neutral	Line
1.	Max.	# 37	# 38
2.	Mid.	# 40	# 39
3.	Min.	# 41	# 42
4.	Defrost	# 44	# 43



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Trace: (Discrete)

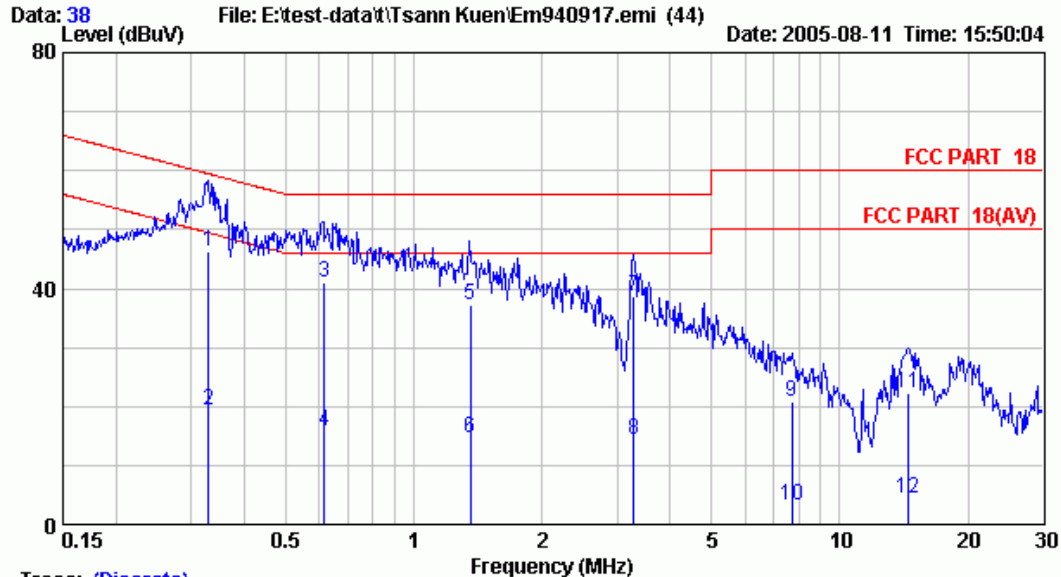
Site : No.2 Shielded room Data : 37
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402AMM
Power Rating : 120Vac/60Hz
Test Mode : MAX

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.297	0.14	0.29	44.80	45.24	60.33	15.09	QP
2	0.297	0.14	0.29	18.18	18.62	50.33	31.71	AVERAGE
3	0.604	0.10	0.36	38.75	39.21	56.00	16.79	QP
4	0.604	0.10	0.36	13.38	13.84	46.00	32.16	AVERAGE
5	0.877	0.10	0.39	38.73	39.22	56.00	16.78	QP
6	0.877	0.10	0.39	13.89	14.38	46.00	31.62	AVERAGE
7	1.375	0.10	0.40	35.63	36.13	56.00	19.87	QP
8	1.375	0.10	0.40	11.14	11.64	46.00	34.36	AVERAGE
9	3.290	0.10	0.40	36.12	36.62	56.00	19.38	QP
10	3.290	0.10	0.40	13.71	14.21	46.00	31.79	AVERAGE
11	14.839	0.20	0.70	25.67	26.57	60.00	33.43	QP
12	14.839	0.20	0.70	7.76	8.66	50.00	41.34	AVERAGE

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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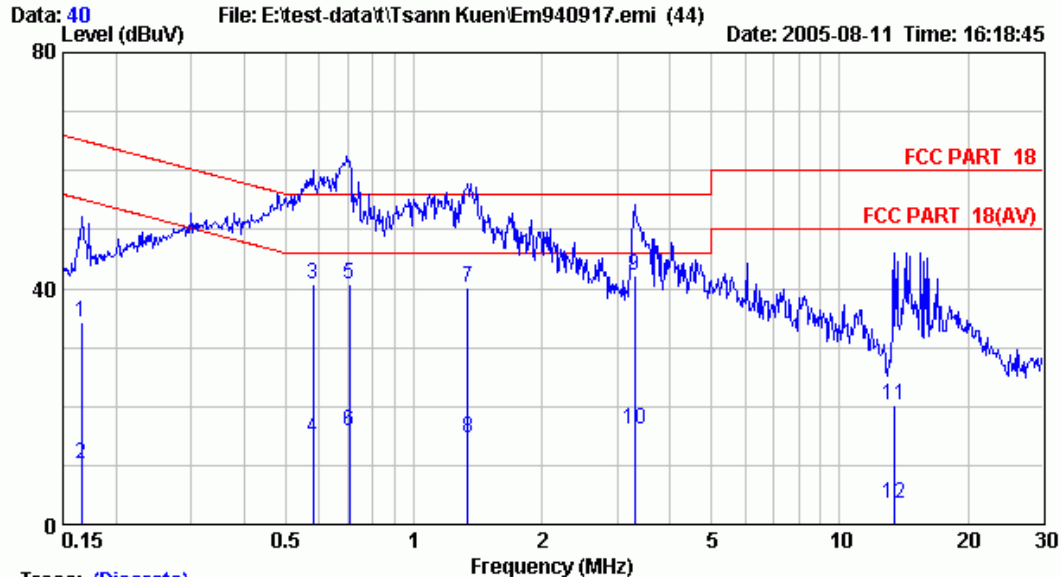
Site : No.2 Shielded room Data : 38
Condition : KHW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402AMM
Power Rating : 120Vac/60Hz
Test Mode : MAX

		LISN	Cable	Emission				
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.330	0.13	0.30	45.78	46.21	59.44	13.23	QP
2	0.330	0.13	0.30	18.77	19.20	49.44	30.24	AVERAGE
3	0.615	0.10	0.36	40.69	41.15	56.00	14.85	QP
4	0.615	0.10	0.36	15.41	15.87	46.00	30.13	AVERAGE
5	1.355	0.10	0.40	36.85	37.35	56.00	18.65	QP
6	1.355	0.10	0.40	14.08	14.58	46.00	31.42	AVERAGE
7	3.286	0.10	0.40	38.32	38.82	56.00	17.18	QP
8	3.286	0.10	0.40	13.88	14.38	46.00	31.62	AVERAGE
9	7.725	0.17	0.62	19.94	20.73	60.00	39.27	QP
10	7.725	0.17	0.62	2.45	3.24	50.00	46.76	AVERAGE
11	14.434	0.20	0.70	21.32	22.22	60.00	37.78	QP
12	14.434	0.20	0.70	3.35	4.25	50.00	45.75	AVERAGE

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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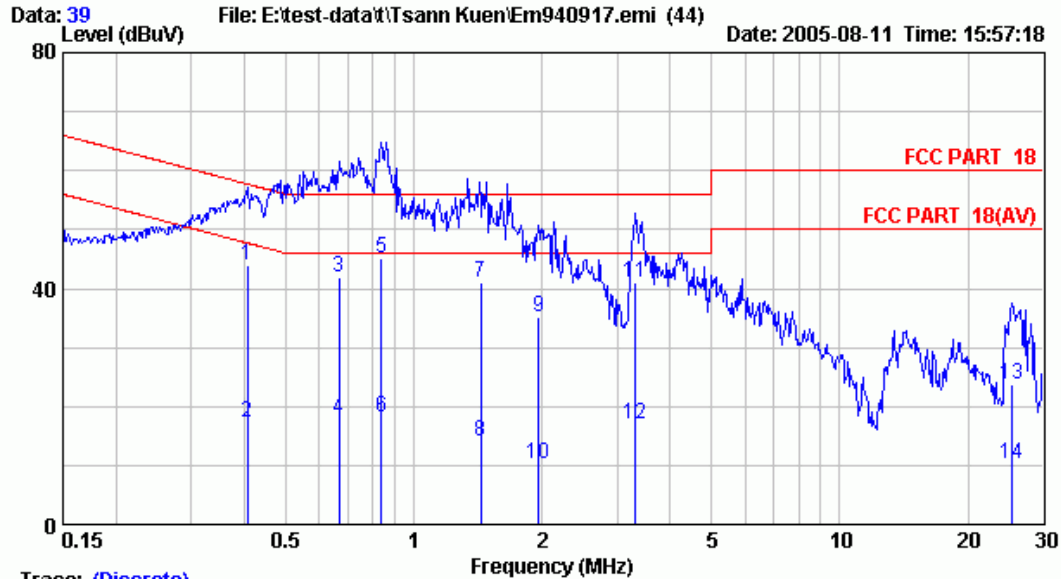
Site : No.2 Shielded room Data : 40
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402AMM
Power Rating : 120Vac/60Hz
Test Mode : MID

		LISN	Cable	Emission				
	Freq. (MHz)	Factor (dB)	Loss (dB)	Reading (dB μ V)	Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.166	0.26	0.24	33.73	34.24	65.17	30.93	QP
2	0.166	0.26	0.24	9.61	10.12	55.17	45.05	AVERAGE
3	0.579	0.10	0.35	40.14	40.59	56.00	15.41	QP
4	0.579	0.10	0.35	14.30	14.75	46.00	31.25	AVERAGE
5	0.706	0.10	0.37	40.21	40.68	56.00	15.32	QP
6	0.706	0.10	0.37	15.48	15.95	46.00	30.05	AVERAGE
7	1.337	0.10	0.40	39.58	40.08	56.00	15.92	QP
8	1.337	0.10	0.40	14.03	14.53	46.00	31.47	AVERAGE
9	3.298	0.10	0.40	41.69	42.19	56.00	13.81	QP
10	3.298	0.10	0.40	15.52	16.02	46.00	29.98	AVERAGE
11	13.404	0.17	0.70	19.33	20.20	60.00	39.80	QP
12	13.404	0.17	0.70	2.55	3.42	50.00	46.58	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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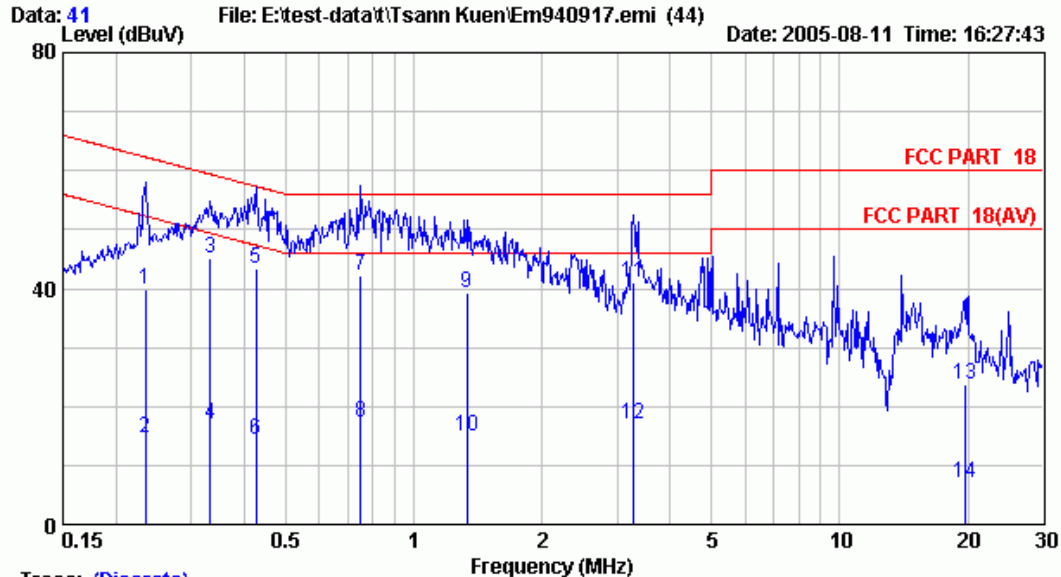
Site : No.2 Shielded room Data : 39
Condition : KHW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402AMM
Power Rating : 120Vac/60Hz
Test Mode : MID

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.406	0.10	0.32	43.44	43.86	57.73	13.87	QP
2	0.406	0.10	0.32	16.75	17.17	47.73	30.56	AVERAGE
3	0.668	0.10	0.36	41.36	41.82	56.00	14.18	QP
4	0.668	0.10	0.36	17.34	17.80	46.00	28.20	AVERAGE
5	0.839	0.10	0.38	44.57	45.05	56.00	10.95	QP
6	0.839	0.10	0.38	17.58	18.06	46.00	27.94	AVERAGE
7	1.436	0.10	0.40	40.48	40.98	56.00	15.02	QP
8	1.436	0.10	0.40	13.64	14.14	46.00	31.86	AVERAGE
9	1.966	0.10	0.40	34.67	35.17	56.00	20.83	QP
10	1.966	0.10	0.40	9.79	10.29	46.00	35.71	AVERAGE
11	3.296	0.10	0.40	40.62	41.12	56.00	14.88	QP
12	3.296	0.10	0.40	16.54	17.04	46.00	28.96	AVERAGE
13	25.325	0.51	0.70	22.61	23.82	60.00	36.18	QP
14	25.325	0.51	0.70	9.05	10.26	50.00	39.74	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



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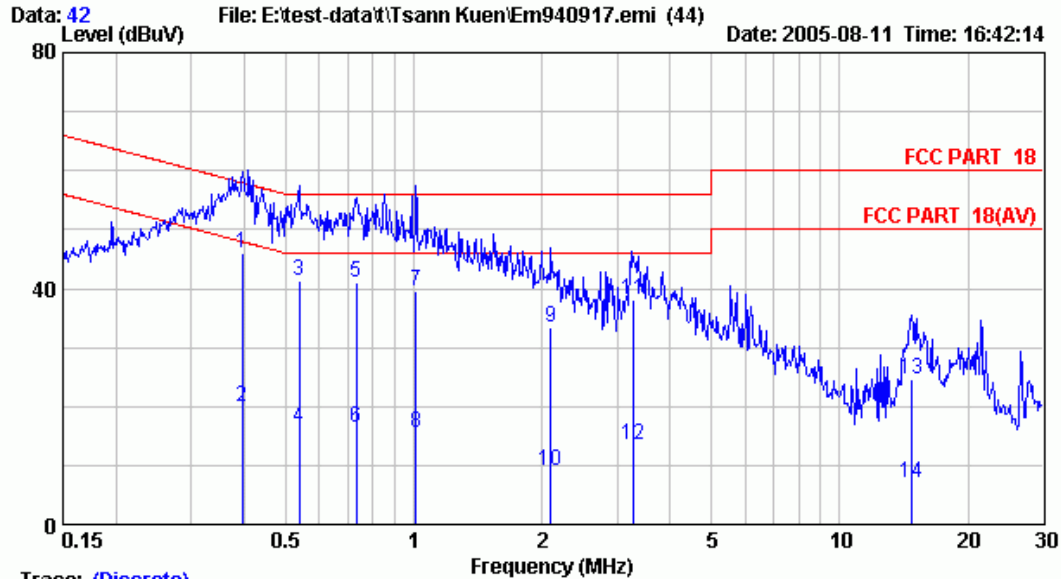
Site : No.2 Shielded room Data : 41
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402AMM
Power Rating : 120Vac/60Hz
Test Mode : MIN

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.234	0.18	0.27	39.33	39.78	62.31	22.53	QP
2	0.234	0.18	0.27	14.16	14.61	52.31	37.70	AVERAGE
3	0.332	0.13	0.30	44.79	45.22	59.40	14.18	QP
4	0.332	0.13	0.30	16.65	17.08	49.40	32.32	AVERAGE
5	0.426	0.10	0.33	43.09	43.52	57.33	13.82	QP
6	0.426	0.10	0.33	14.07	14.50	47.33	32.84	AVERAGE
7	0.751	0.10	0.37	41.85	42.32	56.00	13.68	QP
8	0.751	0.10	0.37	16.83	17.30	46.00	28.70	AVERAGE
9	1.331	0.10	0.40	38.84	39.34	56.00	16.66	QP
10	1.331	0.10	0.40	14.47	14.97	46.00	31.03	AVERAGE
11	3.287	0.10	0.40	40.62	41.12	56.00	14.88	QP
12	3.287	0.10	0.40	16.46	16.96	46.00	29.04	AVERAGE
13	19.634	0.29	0.70	22.81	23.80	60.00	36.20	QP
14	19.634	0.29	0.70	6.09	7.08	50.00	42.92	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Trace: (Discrete)

Site : No.2 Shielded room Data : 42

Condition : KHW-407 Phase : LINE

Limit : FCC PART 18

Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou

EUT : Microwave Oven M/N:TSK-8402AMM

Power Rating : 120Vac/60Hz

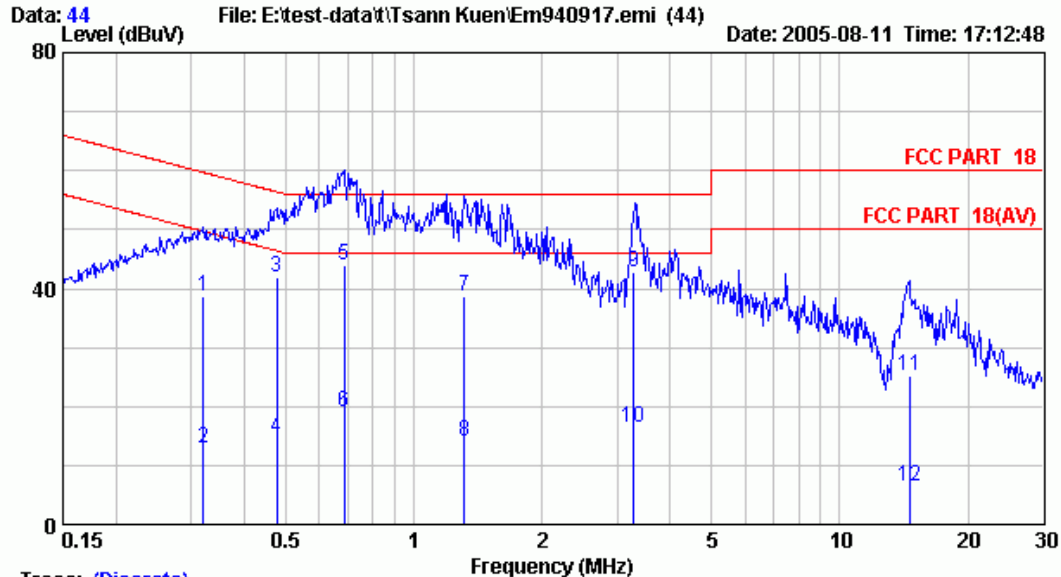
Test Mode : MIN

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.396	0.10	0.32	45.56	45.98	57.95	11.97	QP
2	0.396	0.10	0.32	19.57	19.99	47.95	27.96	AVERAGE
3	0.538	0.10	0.35	40.85	41.30	56.00	14.70	QP
4	0.538	0.10	0.35	16.02	16.47	46.00	29.53	AVERAGE
5	0.731	0.10	0.37	40.62	41.09	56.00	14.91	QP
6	0.731	0.10	0.37	15.94	16.41	46.00	29.59	AVERAGE
7	1.014	0.10	0.40	39.05	39.55	56.00	16.45	QP
8	1.014	0.10	0.40	14.92	15.42	46.00	30.58	AVERAGE
9	2.095	0.10	0.40	32.85	33.35	56.00	22.65	QP
10	2.095	0.10	0.40	8.73	9.23	46.00	36.77	AVERAGE
11	3.268	0.10	0.40	37.69	38.19	56.00	17.81	QP
12	3.268	0.10	0.40	13.02	13.52	46.00	32.48	AVERAGE
13	14.750	0.20	0.70	23.67	24.57	60.00	35.43	QP
14	14.750	0.20	0.70	6.07	6.97	50.00	43.03	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Trace: (Discrete)

Site : No.2 Shielded room Data : 44

Condition : KHW-407 Phase : NEUTRAL

Limit : FCC PART 18

Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou

EUT : Microwave Oven M/N:TSK-8402AMM

Power Rating : 120Vac/60Hz

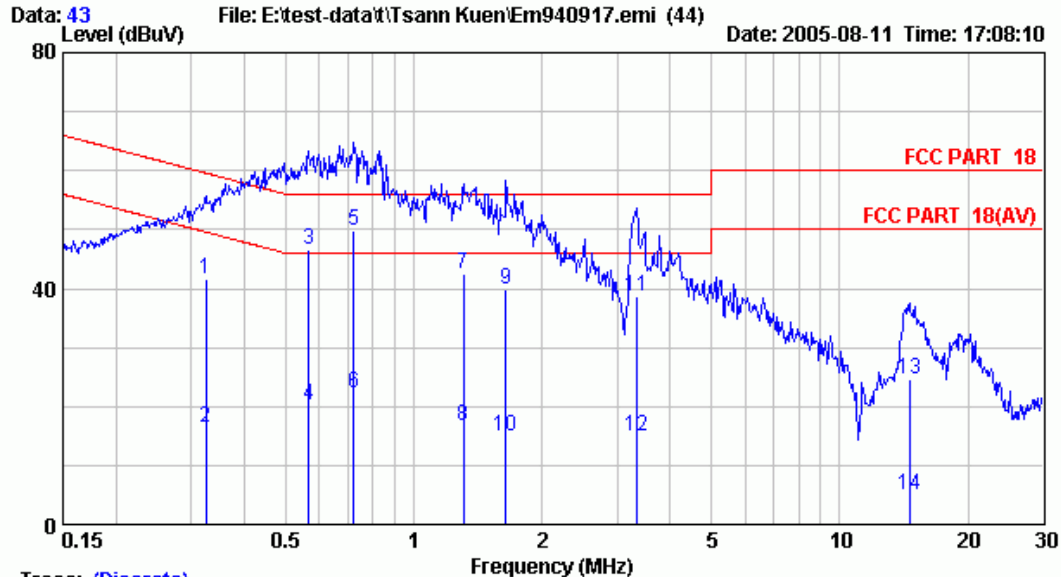
Test Mode : DEFROST

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.320	0.13	0.30	38.20	38.63	59.71	21.08	QP
2	0.320	0.13	0.30	12.50	12.93	49.71	36.78	AVERAGE
3	0.476	0.10	0.34	41.40	41.84	56.41	14.57	QP
4	0.476	0.10	0.34	14.16	14.60	46.41	31.81	AVERAGE
5	0.686	0.10	0.37	43.51	43.98	56.00	12.02	QP
6	0.686	0.10	0.37	18.55	19.02	46.00	26.98	AVERAGE
7	1.315	0.10	0.40	38.24	38.74	56.00	17.26	QP
8	1.315	0.10	0.40	13.68	14.18	46.00	31.82	AVERAGE
9	3.285	0.10	0.40	42.41	42.91	56.00	13.09	QP
10	3.285	0.10	0.40	15.85	16.35	46.00	29.65	AVERAGE
11	14.584	0.19	0.70	24.39	25.28	60.00	34.72	QP
12	14.584	0.19	0.70	5.63	6.52	50.00	43.48	AVERAGE

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Trace: (Discrete)

Site : No.2 Shielded room Data : 43
Condition : KHW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402AMM
Power Rating : 120Vac/60Hz
Test Mode : DEFROST

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.325	0.13	0.30	41.17	41.60	59.58	17.97	QP
2	0.325	0.13	0.30	15.91	16.34	49.58	33.23	AVERAGE
3	0.567	0.10	0.35	46.15	46.60	56.00	9.40	QP
4	0.567	0.10	0.35	19.84	20.29	46.00	25.71	AVERAGE
5	0.724	0.10	0.37	49.48	49.95	56.00	6.05	QP
6	0.724	0.10	0.37	21.86	22.33	46.00	23.67	AVERAGE
7	1.306	0.10	0.40	41.85	42.35	56.00	13.65	QP
8	1.306	0.10	0.40	16.24	16.74	46.00	29.26	AVERAGE
9	1.645	0.10	0.40	39.47	39.97	56.00	16.03	QP
10	1.645	0.10	0.40	14.32	14.82	46.00	31.18	AVERAGE
11	3.344	0.10	0.40	38.07	38.57	56.00	17.43	QP
12	3.344	0.10	0.40	14.33	14.83	46.00	31.17	AVERAGE
13	14.595	0.20	0.70	23.72	24.62	60.00	35.38	QP
14	14.595	0.20	0.70	4.22	5.12	50.00	44.88	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

6.6.2. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Toshiba, Type No. 2M231CH(EP)-A,

H.V. Transformer : DPC, Type No. EUPA-700A)

EUT with following test modes were measured during conducted testing and all the test results are listed in next pages.

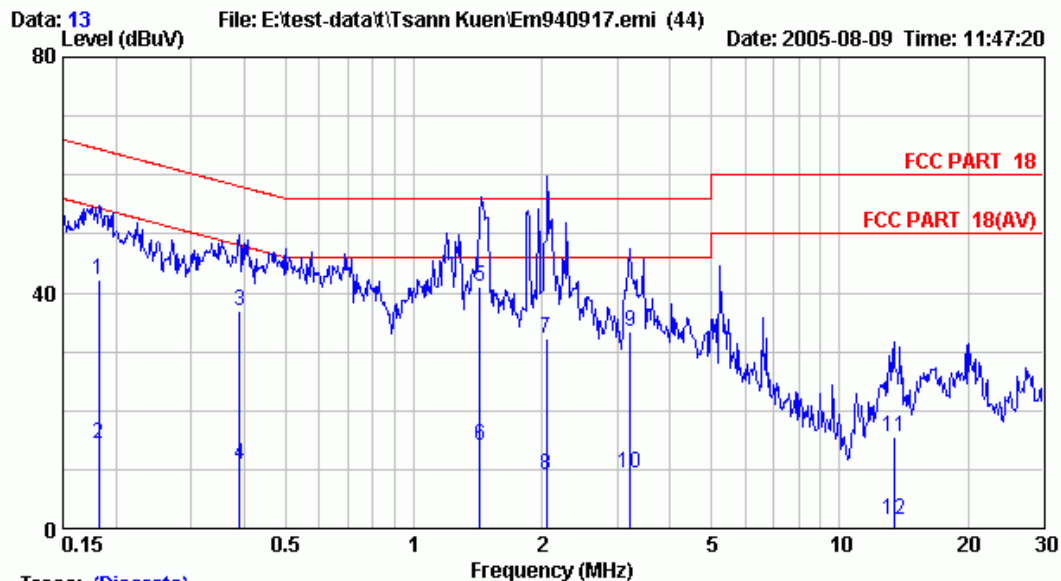
Test Date : Aug. 09, 2005 Temperature : 26°C Humidity : 50%

The details of test mode and reference test data are as follows :

NO.	Test Mode	Reference Test Data No.	
		Neutral	Line
1.	Popcorn	# 13	# 14
2.	Beverage	# 17	# 18
3.	Soup	# 16	# 15
4.	Cass	# 21	# 22
5.	Sing	# 24	# 23
6.	Auto Defrost	# 20	# 19



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Site : No.2 Shielded room Data : 13
Condition : KMW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C,50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : POPCORN

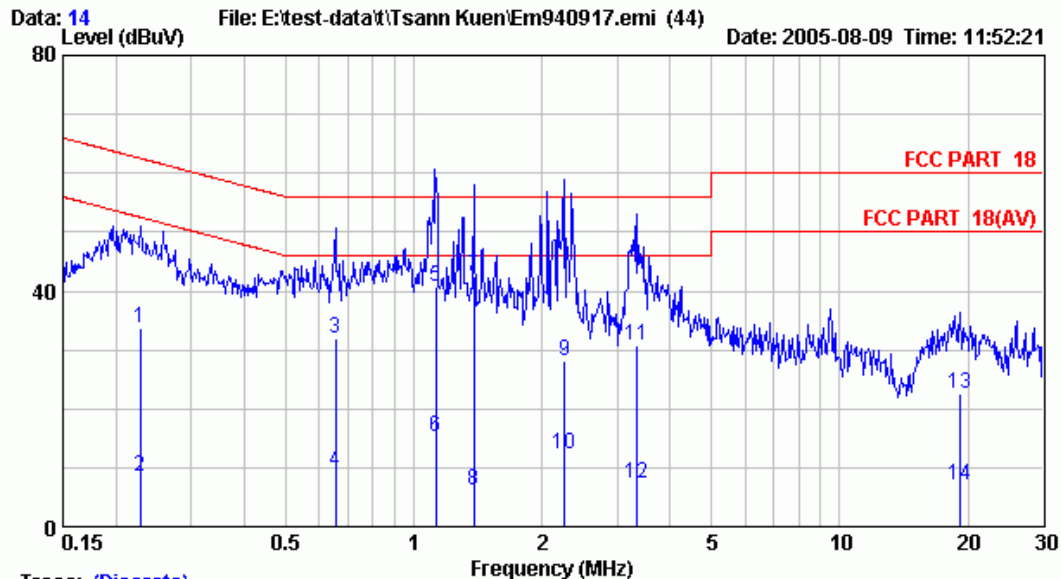
		LISN	Cable		Emission			
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.182	0.23	0.25	41.79	42.27	64.38	22.10	QP
2	0.182	0.23	0.25	13.82	14.30	54.38	40.07	AVERAGE
3	0.389	0.10	0.32	36.37	36.79	58.08	21.29	QP
4	0.389	0.10	0.32	10.46	10.88	48.08	37.20	AVERAGE
5	1.430	0.10	0.40	40.48	40.98	56.00	15.02	QP
6	1.430	0.10	0.40	13.53	14.03	46.00	31.97	AVERAGE
7	2.045	0.10	0.40	31.81	32.31	56.00	23.69	QP
8	2.045	0.10	0.40	8.63	9.13	46.00	36.87	AVERAGE
9	3.228	0.10	0.40	33.03	33.53	56.00	22.47	QP
10	3.228	0.10	0.40	8.95	9.45	46.00	36.55	AVERAGE
11	13.404	0.20	0.70	14.74	15.64	60.00	44.36	QP
12	13.404	0.20	0.70	0.58	1.48	50.00	48.52	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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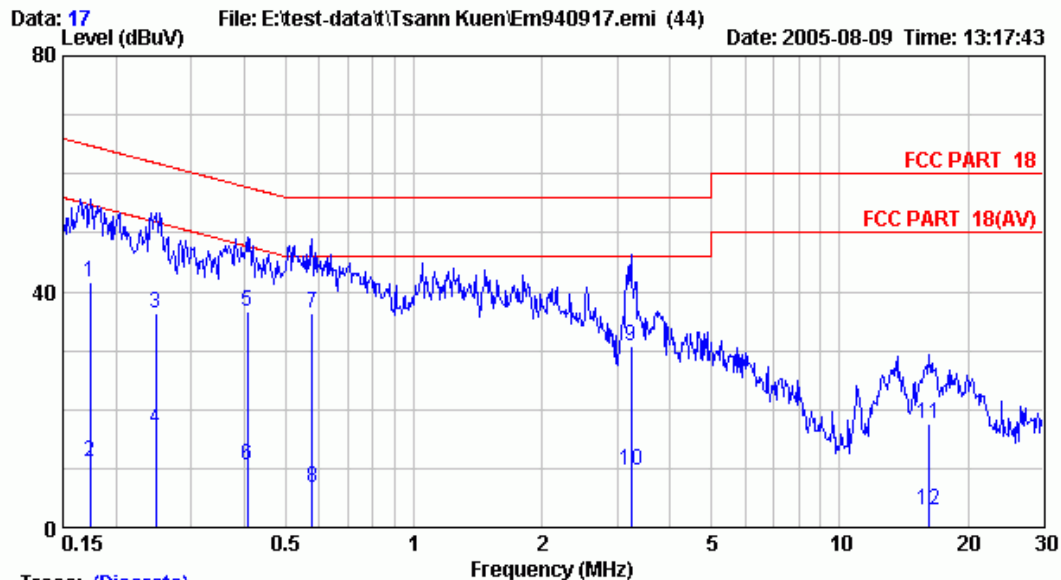
Site : No.2 Shielded room Data : 14
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C,50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : POPCORN

		LISN	Cable		Emission			
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.228	0.18	0.27	33.15	33.60	62.53	28.92	QP
2	0.228	0.18	0.27	8.10	8.55	52.53	43.97	AVERAGE
3	0.654	0.10	0.36	31.53	31.99	56.00	24.01	QP
4	0.654	0.10	0.36	8.78	9.24	46.00	36.76	AVERAGE
5	1.125	0.10	0.40	40.17	40.67	56.00	15.33	QP
6	1.125	0.10	0.40	14.71	15.21	46.00	30.79	AVERAGE
7	1.386	0.10	0.40	42.07	42.57	56.00	13.43	QP
8	1.386	0.10	0.40	5.67	6.17	46.00	39.83	AVERAGE
9	2.255	0.10	0.40	27.53	28.03	56.00	27.97	QP
10	2.255	0.10	0.40	11.71	12.21	46.00	33.79	AVERAGE
11	3.324	0.10	0.40	30.28	30.78	56.00	25.22	QP
12	3.324	0.10	0.40	6.95	7.45	46.00	38.55	AVERAGE
13	19.214	0.29	0.70	21.66	22.65	60.00	37.35	QP
14	19.214	0.29	0.70	5.91	6.90	50.00	43.10	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Site : No.2 Shielded room Data : 17
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N: TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : BEVERAGE

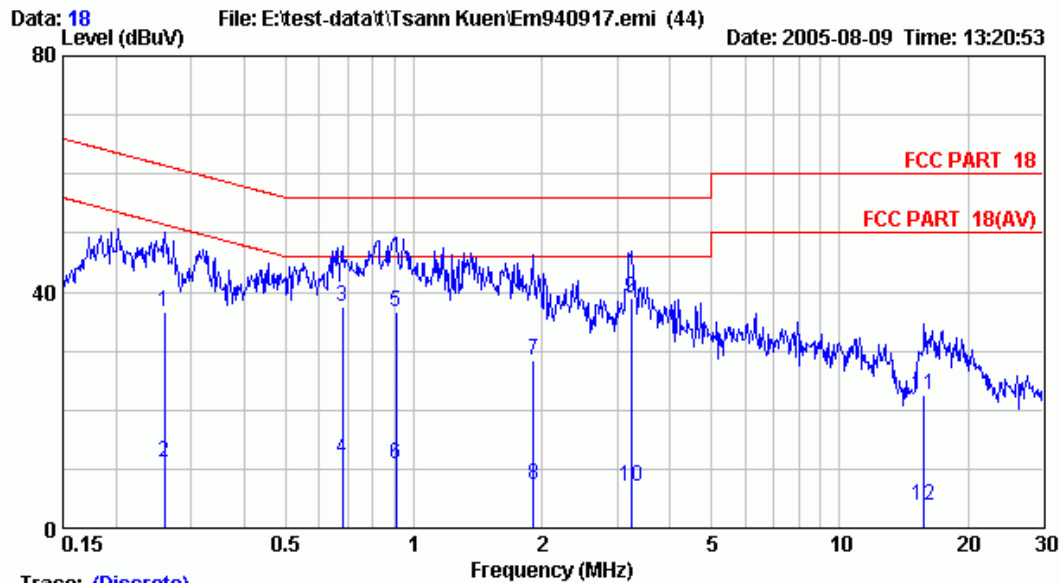
		LISN	Cable	Emission				
	Freq. (MHz)	Factor (dB)	Loss (dB)	Reading (dB μ V)	Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.174	0.25	0.25	41.14	41.64	64.77	23.14	QP
2	0.174	0.25	0.25	10.65	11.15	54.77	43.63	AVERAGE
3	0.248	0.17	0.28	35.84	36.29	61.82	25.53	QP
4	0.248	0.17	0.28	16.37	16.82	51.82	35.00	AVERAGE
5	0.406	0.10	0.32	36.34	36.76	57.73	20.97	QP
6	0.406	0.10	0.32	10.26	10.68	47.73	37.05	AVERAGE
7	0.576	0.10	0.35	35.82	36.27	56.00	19.73	QP
8	0.576	0.10	0.35	6.39	6.84	46.00	39.16	AVERAGE
9	3.245	0.10	0.40	30.41	30.91	56.00	25.09	QP
10	3.245	0.10	0.40	9.15	9.65	46.00	36.35	AVERAGE
11	16.213	0.23	0.70	16.73	17.66	60.00	42.34	QP
12	16.213	0.23	0.70	1.87	2.80	50.00	47.20	AVERAGE

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.

2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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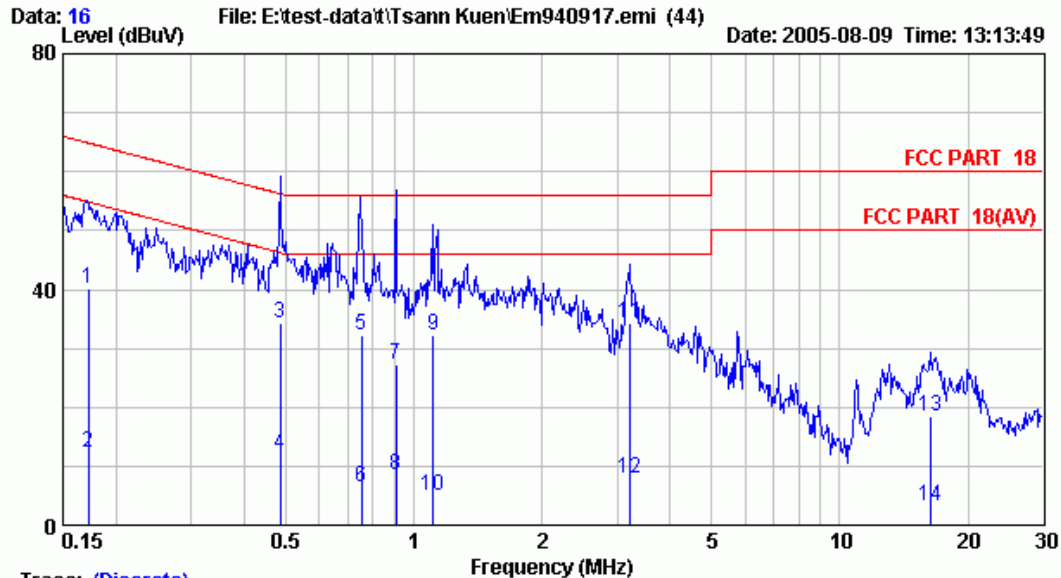
Site : No.2 Shielded room Data : 18
Condition : KMW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : BEVERAGE

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.260	0.16	0.28	36.21	36.65	61.42	24.77	QP
2	0.260	0.16	0.28	10.78	11.22	51.42	40.20	AVERAGE
3	0.679	0.10	0.37	37.07	37.54	56.00	18.46	QP
4	0.679	0.10	0.37	11.24	11.71	46.00	34.29	AVERAGE
5	0.909	0.10	0.39	36.19	36.68	56.00	19.32	QP
6	0.909	0.10	0.39	10.48	10.97	46.00	35.03	AVERAGE
7	1.906	0.10	0.40	27.96	28.46	56.00	27.54	QP
8	1.906	0.10	0.40	6.70	7.20	46.00	38.80	AVERAGE
9	3.231	0.10	0.40	38.52	39.02	56.00	16.98	QP
10	3.231	0.10	0.40	6.42	6.92	46.00	39.08	AVERAGE
11	15.790	0.22	0.70	21.65	22.57	60.00	37.43	QP
12	15.790	0.22	0.70	2.96	3.88	50.00	46.12	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Site : No.2 Shielded room Data : 16
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C,50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : SOUP

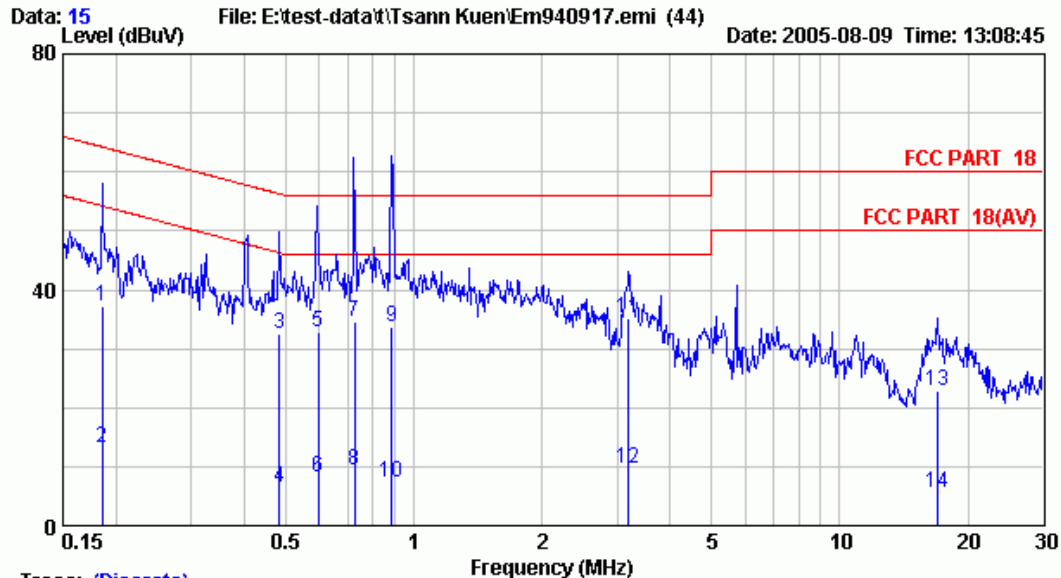
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Emission Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.172	0.25	0.25	39.65	40.15	64.86	24.71	QP
2	0.172	0.25	0.25	11.87	12.37	54.86	42.49	AVERAGE
3	0.486	0.10	0.34	33.86	34.30	56.23	21.93	QP
4	0.486	0.10	0.34	11.47	11.91	46.23	34.32	AVERAGE
5	0.753	0.10	0.38	31.76	32.24	56.00	23.76	QP
6	0.753	0.10	0.38	5.91	6.39	46.00	39.61	AVERAGE
7	0.909	0.10	0.39	26.82	27.31	56.00	28.69	QP
8	0.909	0.10	0.39	8.05	8.54	46.00	37.46	AVERAGE
9	1.111	0.10	0.40	31.69	32.19	56.00	23.81	QP
10	1.111	0.10	0.40	4.36	4.86	46.00	41.14	AVERAGE
11	3.214	0.10	0.40	33.91	34.41	56.00	21.59	QP
12	3.214	0.10	0.40	7.27	7.77	46.00	38.23	AVERAGE
13	16.304	0.23	0.70	17.45	18.38	60.00	41.62	QP
14	16.304	0.23	0.70	2.30	3.23	50.00	46.77	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector
,the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



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Site : No.2 Shielded room Data : 15
Condition : KHW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C,50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : SOUP

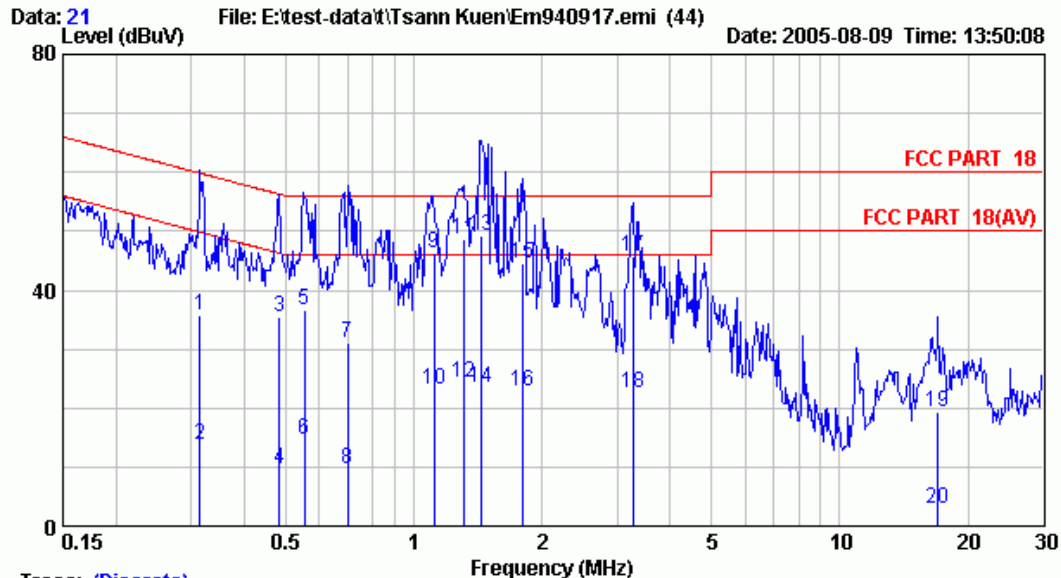
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.185	0.23	0.25	36.87	37.35	64.24	26.89	QP
2	0.185	0.23	0.25	12.85	13.33	54.24	40.91	AVERAGE
3	0.484	0.10	0.34	32.22	32.66	56.27	23.62	QP
4	0.484	0.10	0.34	6.11	6.55	46.27	39.73	AVERAGE
5	0.596	0.10	0.35	32.27	32.72	56.00	23.28	QP
6	0.596	0.10	0.35	7.78	8.23	46.00	37.77	AVERAGE
7	0.726	0.10	0.37	34.09	34.56	56.00	21.44	QP
8	0.726	0.10	0.37	8.80	9.27	46.00	36.73	AVERAGE
9	0.889	0.10	0.39	33.26	33.75	56.00	22.25	QP
10	0.889	0.10	0.39	6.90	7.39	46.00	38.61	AVERAGE
11	3.194	0.10	0.40	34.55	35.05	56.00	20.95	QP
12	3.194	0.10	0.40	9.28	9.78	46.00	36.22	AVERAGE
13	17.024	0.24	0.70	22.03	22.97	60.00	37.03	QP
14	17.024	0.24	0.70	4.55	5.49	50.00	44.51	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Site : No.2 Shielded room Data : 21
Condition : KMW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : CASS

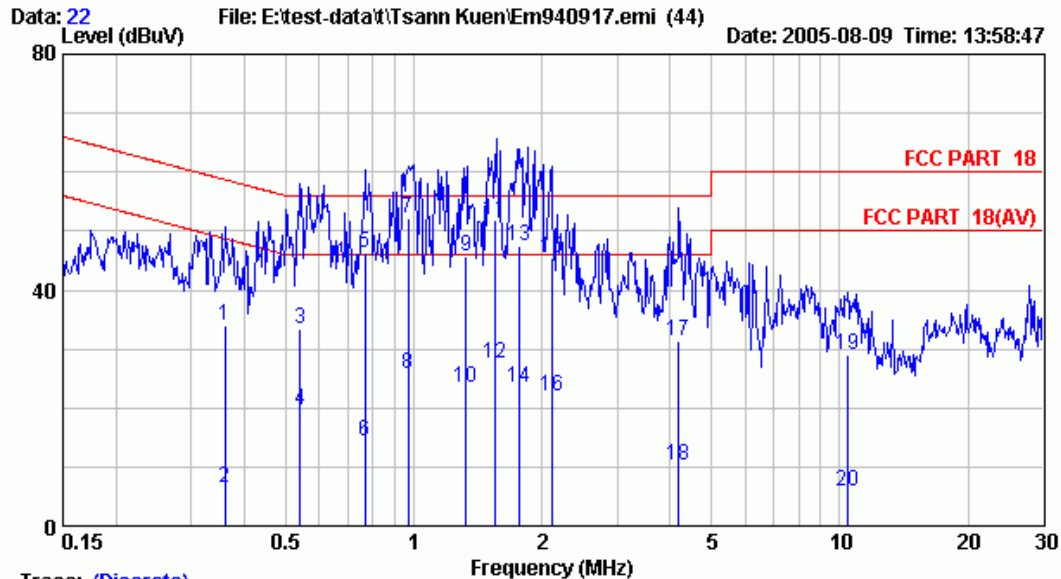
		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.315	0.13	0.30	35.25	35.68	59.84	24.16	QP
2	0.315	0.13	0.30	13.48	13.91	49.84	35.93	AVERAGE
3	0.484	0.10	0.34	35.10	35.54	56.28	20.74	QP
4	0.484	0.10	0.34	9.13	9.57	46.28	36.71	AVERAGE
5	0.553	0.10	0.35	36.19	36.64	56.00	19.36	QP
6	0.553	0.10	0.35	14.25	14.70	46.00	31.30	AVERAGE
7	0.698	0.10	0.37	30.63	31.10	56.00	24.90	QP
8	0.698	0.10	0.37	9.25	9.72	46.00	36.28	AVERAGE
9	1.114	0.10	0.40	45.82	46.32	56.00	9.68	QP
10	1.114	0.10	0.40	22.77	23.27	46.00	22.73	AVERAGE
11	1.314	0.10	0.40	48.28	48.78	56.00	7.22	QP
12	1.314	0.10	0.40	23.78	24.28	46.00	21.72	AVERAGE
13	1.442	0.10	0.40	48.67	49.17	56.00	6.83	QP
14	1.442	0.10	0.40	22.94	23.44	46.00	22.56	AVERAGE
15	1.803	0.10	0.40	44.15	44.65	56.00	11.35	QP
16	1.803	0.10	0.40	22.37	22.87	46.00	23.13	AVERAGE
17	3.289	0.10	0.40	45.32	45.82	56.00	10.18	QP
18	3.289	0.10	0.40	22.06	22.56	46.00	23.44	AVERAGE
19	17.013	0.24	0.70	18.40	19.34	60.00	40.66	QP
20	17.013	0.24	0.70	2.00	2.94	50.00	47.06	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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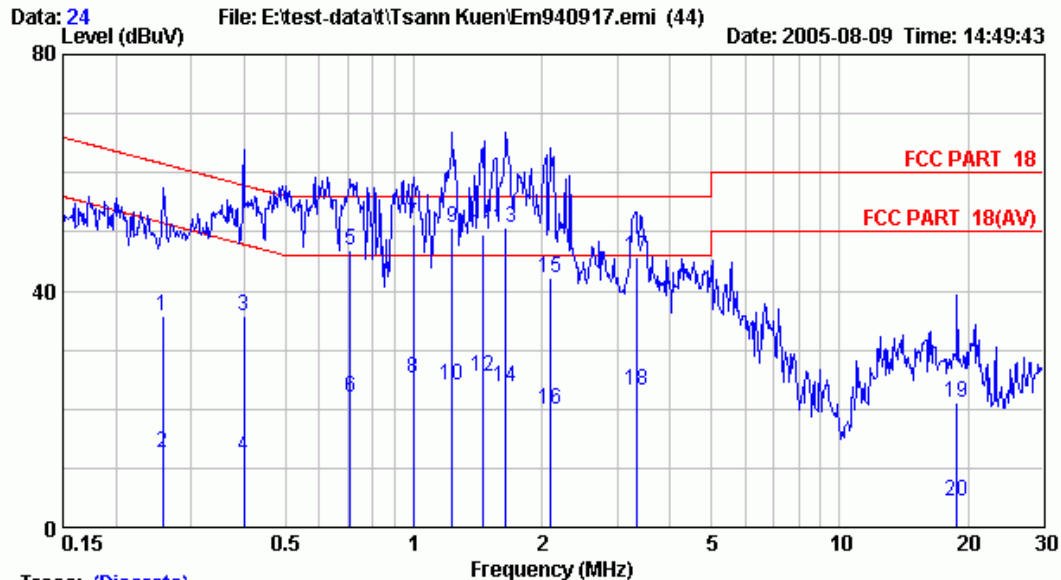
Site : No.2 Shielded room Data : 22
Condition : KHW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C,50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : CASS

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.360	0.12	0.31	33.54	33.97	58.74	24.77	QP
2	0.360	0.12	0.31	5.90	6.33	48.74	42.41	AVERAGE
3	0.541	0.10	0.35	32.93	33.38	56.00	22.62	QP
4	0.541	0.10	0.35	19.31	19.76	46.00	26.24	AVERAGE
5	0.767	0.10	0.38	45.71	46.19	56.00	9.81	QP
6	0.767	0.10	0.38	13.77	14.25	46.00	31.75	AVERAGE
7	0.968	0.10	0.40	51.69	52.19	56.00	3.81	QP
8	0.968	0.10	0.40	25.20	25.70	46.00	20.30	AVERAGE
9	1.326	0.10	0.40	45.22	45.72	56.00	10.28	QP
10	1.326	0.10	0.40	22.87	23.37	46.00	22.63	AVERAGE
11	1.553	0.10	0.40	51.34	51.84	56.00	4.16	QP
12	1.553	0.10	0.40	26.93	27.43	46.00	18.57	AVERAGE
13	1.762	0.10	0.40	47.08	47.58	56.00	8.42	QP
14	1.762	0.10	0.40	22.97	23.47	46.00	22.53	AVERAGE
15	2.106	0.10	0.40	44.78	45.28	56.00	10.72	QP
16	2.106	0.10	0.40	21.59	22.09	46.00	23.91	AVERAGE
17	4.186	0.10	0.41	30.70	31.22	56.00	24.78	QP
18	4.186	0.10	0.41	9.87	10.39	46.00	35.61	AVERAGE
19	10.458	0.20	0.70	28.23	29.13	60.00	30.87	QP
20	10.458	0.20	0.70	4.85	5.75	50.00	44.25	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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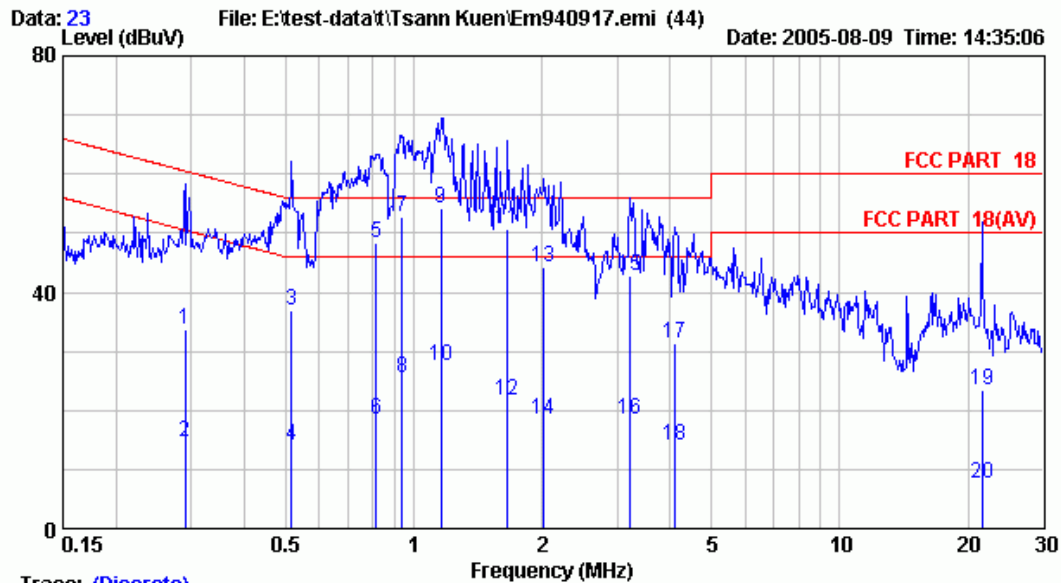
Site : No.2 Shielded room Data : 24
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : SING

		LISN	Cable		Emission			
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.258	0.16	0.28	35.44	35.89	61.51	25.63	QP
2	0.258	0.16	0.28	12.11	12.56	51.51	38.96	AVERAGE
3	0.400	0.10	0.32	35.28	35.70	57.86	22.16	QP
4	0.400	0.10	0.32	11.46	11.88	47.86	35.98	AVERAGE
5	0.708	0.10	0.37	46.53	47.00	56.00	9.00	QP
6	0.708	0.10	0.37	21.59	22.06	46.00	23.94	AVERAGE
7	1.000	0.10	0.40	50.74	51.24	56.00	4.76	QP
8	1.000	0.10	0.40	24.56	25.06	46.00	20.94	AVERAGE
9	1.231	0.10	0.40	50.11	50.61	56.00	5.39	QP
10	1.231	0.10	0.40	23.59	24.09	46.00	21.91	AVERAGE
11	1.457	0.10	0.40	49.10	49.60	56.00	6.40	QP
12	1.457	0.10	0.40	24.97	25.47	46.00	20.53	AVERAGE
13	1.643	0.10	0.40	50.05	50.55	56.00	5.45	QP
14	1.643	0.10	0.40	23.14	23.64	46.00	22.36	AVERAGE
15	2.087	0.10	0.40	41.83	42.33	56.00	13.67	QP
16	2.087	0.10	0.40	19.32	19.82	46.00	26.18	AVERAGE
17	3.324	0.10	0.40	45.25	45.75	56.00	10.25	QP
18	3.324	0.10	0.40	22.64	23.14	46.00	22.86	AVERAGE
19	18.817	0.28	0.70	20.02	21.00	60.00	39.00	QP
20	18.817	0.28	0.70	3.30	4.28	50.00	45.72	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Trace: (Discrete)

Site : No.2 Shielded room Data : 23
Condition : KMW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : SING

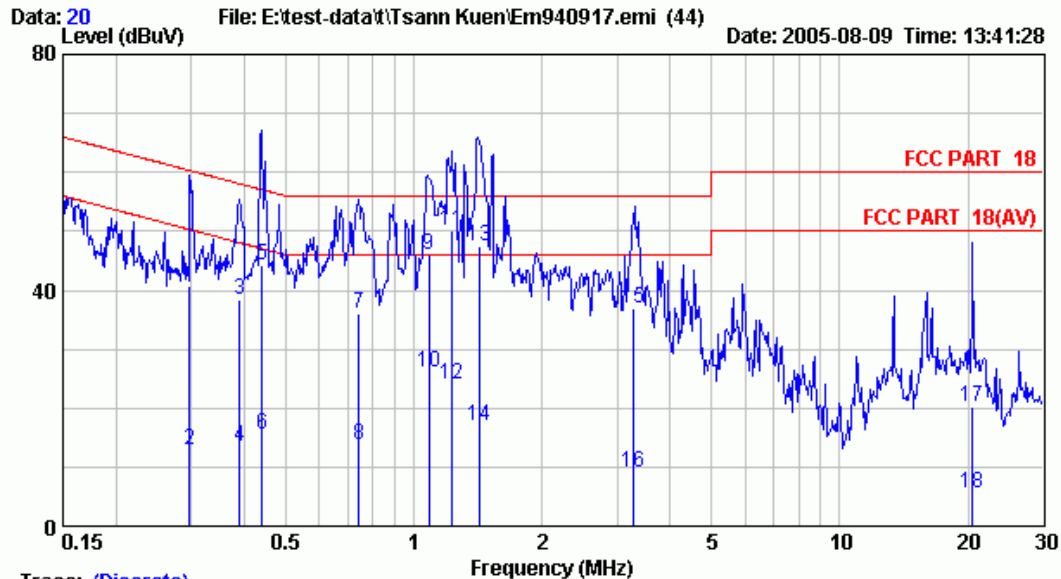
		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.291	0.15	0.29	33.34	33.78	60.50	26.72	QP
2	0.291	0.15	0.29	14.17	14.61	50.50	35.89	AVERAGE
3	0.516	0.10	0.34	36.34	36.78	56.00	19.22	QP
4	0.516	0.10	0.34	13.62	14.06	46.00	31.94	AVERAGE
5	0.817	0.10	0.38	47.96	48.44	56.00	7.56	QP
6	0.817	0.10	0.38	18.07	18.55	46.00	27.45	AVERAGE
7	0.939	0.10	0.39	52.24	52.73	56.00	3.27	QP
8	0.939	0.10	0.39	25.00	25.49	46.00	20.51	AVERAGE
9	1.160	0.10	0.40	53.80	54.30	56.00	1.70	QP
10	1.160	0.10	0.40	27.12	27.62	46.00	18.38	AVERAGE
11	1.655	0.10	0.40	50.25	50.75	56.00	5.25	QP
12	1.655	0.10	0.40	21.15	21.65	46.00	24.35	AVERAGE
13	2.016	0.10	0.40	43.75	44.25	56.00	11.75	QP
14	2.016	0.10	0.40	17.91	18.41	46.00	27.59	AVERAGE
15	3.220	0.10	0.40	42.37	42.87	56.00	13.13	QP
16	3.220	0.10	0.40	17.88	18.38	46.00	27.62	AVERAGE
17	4.087	0.10	0.41	30.74	31.25	56.00	24.75	QP
18	4.087	0.10	0.41	13.50	14.01	46.00	31.99	AVERAGE
19	21.595	0.37	0.70	22.45	23.52	60.00	36.48	QP
20	21.595	0.37	0.70	6.68	7.75	50.00	42.25	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Site : No.2 Shielded room Data : 20
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C,50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : AUTO DEFROST

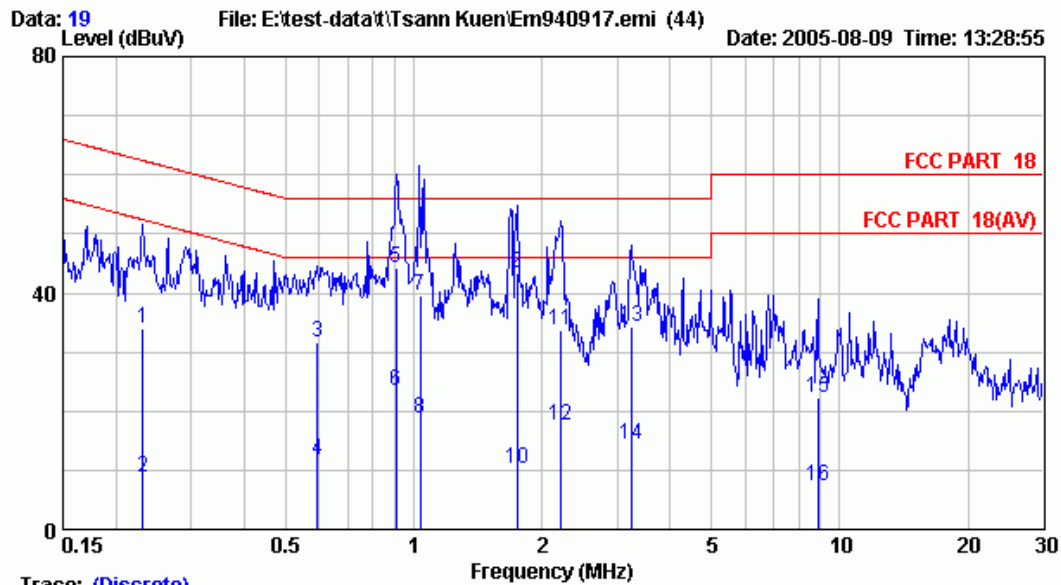
	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.297	0.14	0.29	40.17	40.61	60.32	19.72	QP
2	0.297	0.14	0.29	12.57	13.01	50.32	37.32	AVERAGE
3	0.389	0.10	0.32	37.87	38.29	58.08	19.79	QP
4	0.389	0.10	0.32	13.16	13.58	48.08	34.50	AVERAGE
5	0.440	0.10	0.33	43.68	44.11	57.06	12.95	QP
6	0.440	0.10	0.33	15.23	15.66	47.06	31.40	AVERAGE
7	0.743	0.10	0.37	35.63	36.10	56.00	19.90	QP
8	0.743	0.10	0.37	13.25	13.72	46.00	32.28	AVERAGE
9	1.087	0.10	0.40	45.60	46.10	56.00	9.90	QP
10	1.087	0.10	0.40	25.57	26.07	46.00	19.93	AVERAGE
11	1.225	0.10	0.40	49.58	50.08	56.00	5.92	QP
12	1.225	0.10	0.40	23.44	23.94	46.00	22.06	AVERAGE
13	1.423	0.10	0.40	46.95	47.45	56.00	8.55	QP
14	1.423	0.10	0.40	16.54	17.04	46.00	28.96	AVERAGE
15	3.284	0.10	0.40	36.38	36.88	56.00	19.12	QP
16	3.284	0.10	0.40	8.53	9.03	46.00	36.97	AVERAGE
17	20.494	0.31	0.70	19.31	20.32	60.00	39.68	QP
18	20.494	0.31	0.70	4.54	5.55	50.00	44.45	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector
,the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



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Site : No.2 Shielded room Data : 19
Condition : KMW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : AUTO DEFROST

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.232	0.18	0.27	33.62	34.07	62.39	28.32	QP
2	0.232	0.18	0.27	8.25	8.70	52.39	43.69	AVERAGE
3	0.595	0.10	0.35	31.07	31.52	56.00	24.48	QP
4	0.595	0.10	0.35	11.19	11.64	46.00	34.36	AVERAGE
5	0.909	0.10	0.39	43.80	44.29	56.00	11.71	QP
6	0.909	0.10	0.39	23.00	23.49	46.00	22.51	AVERAGE
7	1.036	0.10	0.40	38.95	39.45	56.00	16.55	QP
8	1.036	0.10	0.40	18.25	18.75	46.00	27.25	AVERAGE
9	1.746	0.10	0.40	42.95	43.45	56.00	12.55	QP
10	1.746	0.10	0.40	9.62	10.12	46.00	35.88	AVERAGE
11	2.217	0.10	0.40	33.27	33.77	56.00	22.23	QP
12	2.217	0.10	0.40	17.04	17.54	46.00	28.46	AVERAGE
13	3.233	0.10	0.40	33.88	34.38	56.00	21.62	QP
14	3.233	0.10	0.40	13.95	14.45	46.00	31.55	AVERAGE
15	8.879	0.19	0.66	21.31	22.16	60.00	37.84	QP
16	8.879	0.19	0.66	6.57	7.42	50.00	42.58	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

6.6.3. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Matsushita, Type 2M211A-M2J,

H.V. Transformer : DPC, Type No. EUPA-700A)

EUT with following test modes were measured during conducted testing and all the test results are listed in next pages.

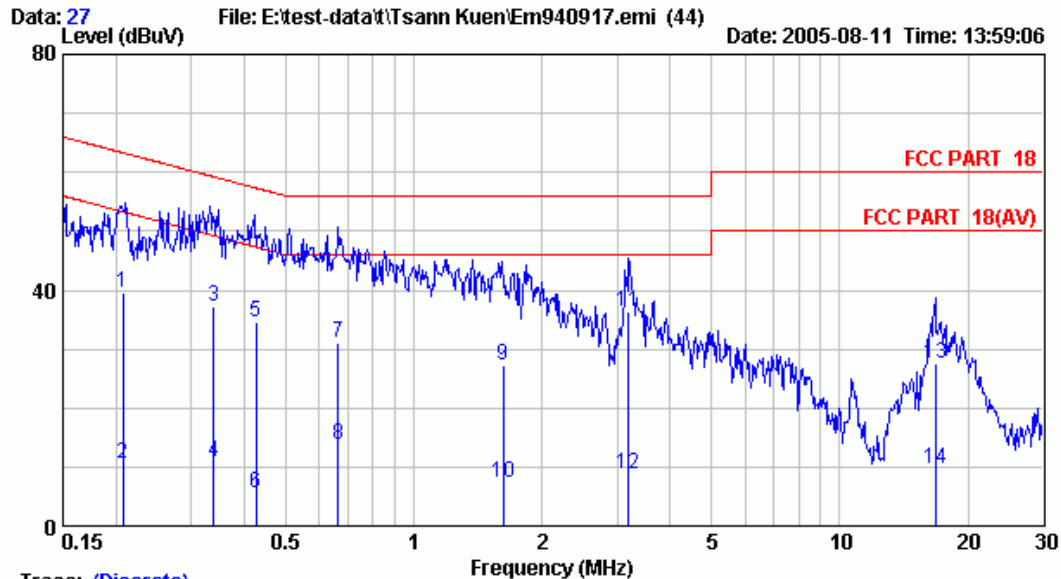
Test Date : Aug. 11, 2005 Temperature : 26°C Humidity : 50%

The details of test mode and reference test data are as follows :

NO.	Test Mode	Reference Test Data No.	
		Neutral	Line
1.	Popcorn	# 27	# 28
2.	Beverage	# 30	# 29
3.	Soup	# 26	# 25
4.	Cass	# 31	# 32
5.	Sing	# 34	# 33
6.	Auto Defrost	# 35	# 36



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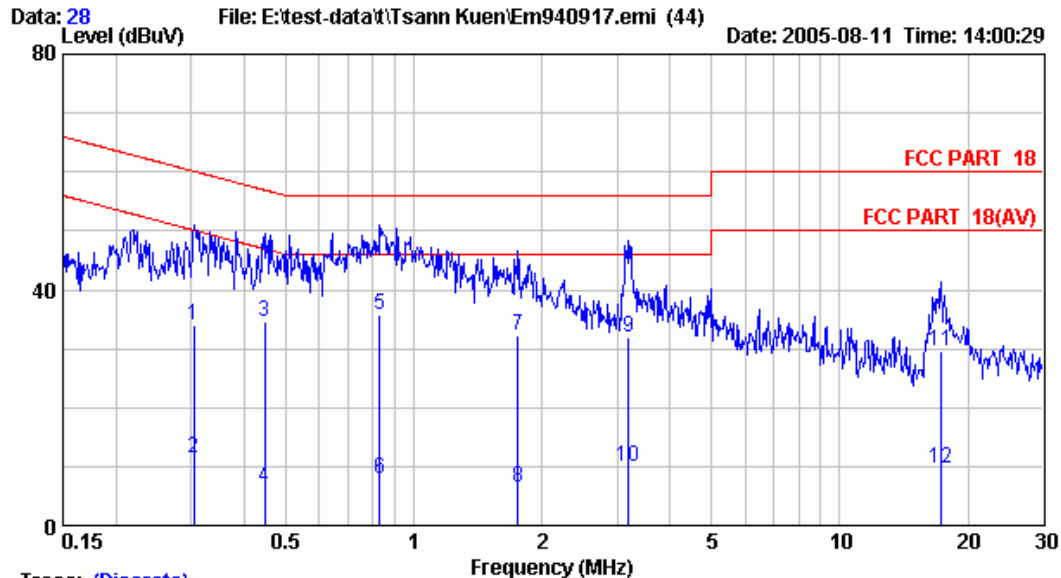
Site : No.2 Shielded room Data : 27
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : POPCORN

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.208	0.19	0.26	38.96	39.42	63.29	23.87	QP
2	0.208	0.19	0.26	9.96	10.42	53.29	42.87	AVERAGE
3	0.338	0.12	0.31	36.77	37.20	59.24	22.04	QP
4	0.338	0.12	0.31	10.39	10.82	49.24	38.42	AVERAGE
5	0.425	0.10	0.33	34.20	34.63	57.35	22.72	QP
6	0.425	0.10	0.33	5.05	5.48	47.35	41.87	AVERAGE
7	0.665	0.10	0.36	30.63	31.09	56.00	24.91	QP
8	0.665	0.10	0.36	13.43	13.89	46.00	32.11	AVERAGE
9	1.618	0.10	0.40	26.63	27.13	56.00	28.87	QP
10	1.618	0.10	0.40	6.85	7.35	46.00	38.65	AVERAGE
11	3.185	0.10	0.40	35.74	36.24	56.00	19.76	QP
12	3.185	0.10	0.40	8.37	8.87	46.00	37.13	AVERAGE
13	16.758	0.24	0.70	26.72	27.66	60.00	32.34	QP
14	16.758	0.24	0.70	8.83	9.77	50.00	40.23	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Site : No.2 Shielded room Data : 28
Condition : KMW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : POPCORN

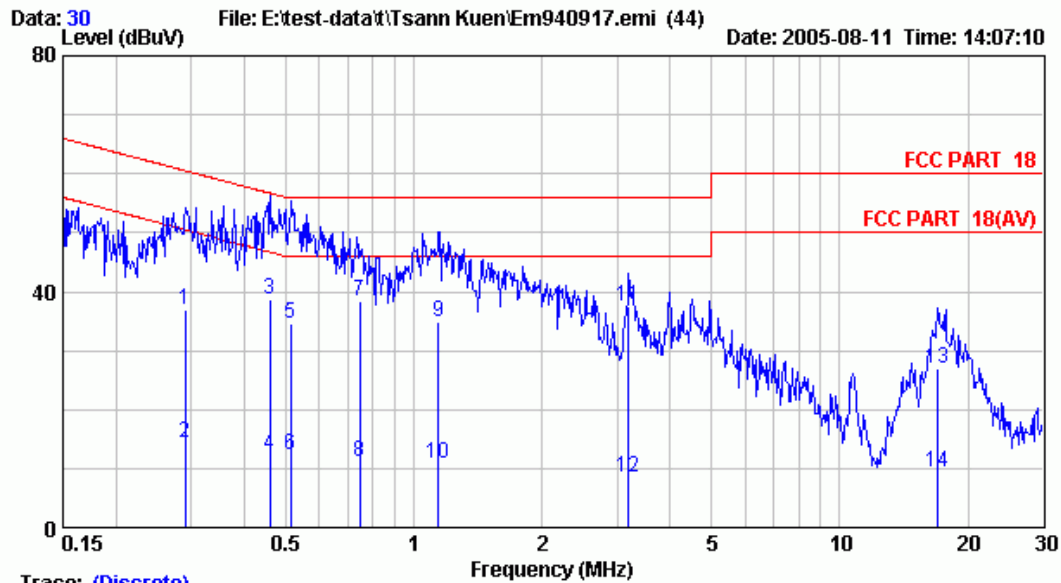
		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.305	0.14	0.30	33.43	33.87	60.11	26.24	QP
2	0.305	0.14	0.30	10.90	11.34	50.11	38.77	AVERAGE
3	0.447	0.10	0.33	34.02	34.45	56.94	22.49	QP
4	0.447	0.10	0.33	5.94	6.37	46.94	40.57	AVERAGE
5	0.830	0.10	0.38	35.36	35.84	56.00	20.16	QP
6	0.830	0.10	0.38	7.43	7.91	46.00	38.09	AVERAGE
7	1.759	0.10	0.40	31.66	32.16	56.00	23.84	QP
8	1.759	0.10	0.40	6.00	6.50	46.00	39.50	AVERAGE
9	3.195	0.10	0.40	31.39	31.89	56.00	24.11	QP
10	3.195	0.10	0.40	9.50	10.00	46.00	36.00	AVERAGE
11	17.303	0.25	0.70	28.76	29.71	60.00	30.29	QP
12	17.303	0.25	0.70	8.67	9.62	50.00	40.38	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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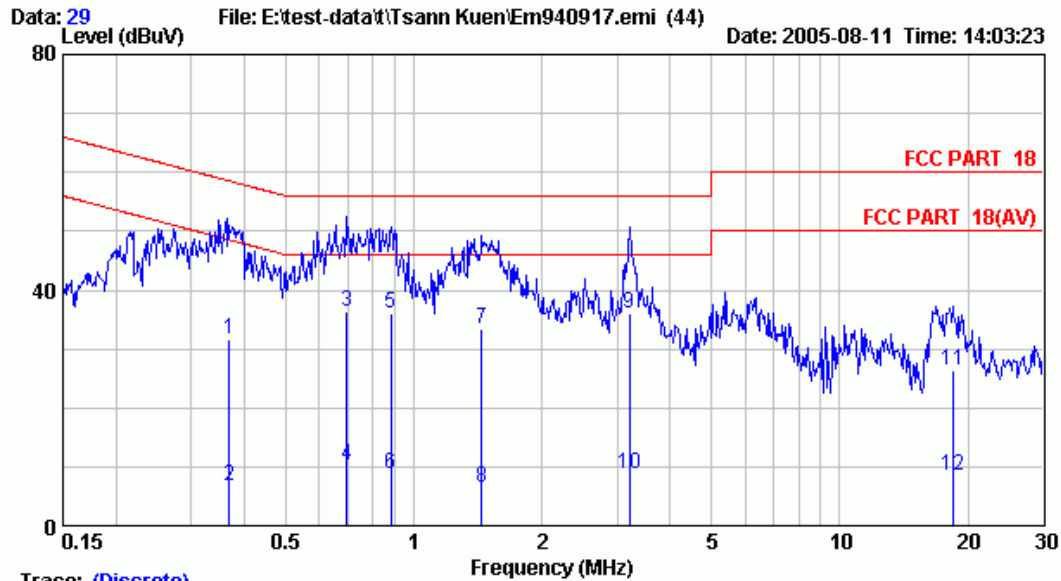
Site : No.2 Shielded room Data : 30
Condition : KMW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : BEVERAGE

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.291	0.15	0.29	36.49	36.93	60.50	23.57	QP
2	0.291	0.15	0.29	14.03	14.47	50.50	36.03	AVERAGE
3	0.460	0.10	0.33	38.23	38.66	56.70	18.03	QP
4	0.460	0.10	0.33	11.94	12.37	46.70	34.32	AVERAGE
5	0.513	0.10	0.34	34.25	34.69	56.00	21.31	QP
6	0.513	0.10	0.34	11.78	12.22	46.00	33.78	AVERAGE
7	0.745	0.10	0.37	37.83	38.30	56.00	17.70	QP
8	0.745	0.10	0.37	10.79	11.26	46.00	34.74	AVERAGE
9	1.143	0.10	0.40	34.43	34.93	56.00	21.07	QP
10	1.143	0.10	0.40	10.32	10.82	46.00	35.18	AVERAGE
11	3.185	0.10	0.40	37.06	37.56	56.00	18.44	QP
12	3.185	0.10	0.40	7.87	8.37	46.00	37.63	AVERAGE
13	17.030	0.24	0.70	25.91	26.85	60.00	33.15	QP
14	17.030	0.24	0.70	8.39	9.33	50.00	40.67	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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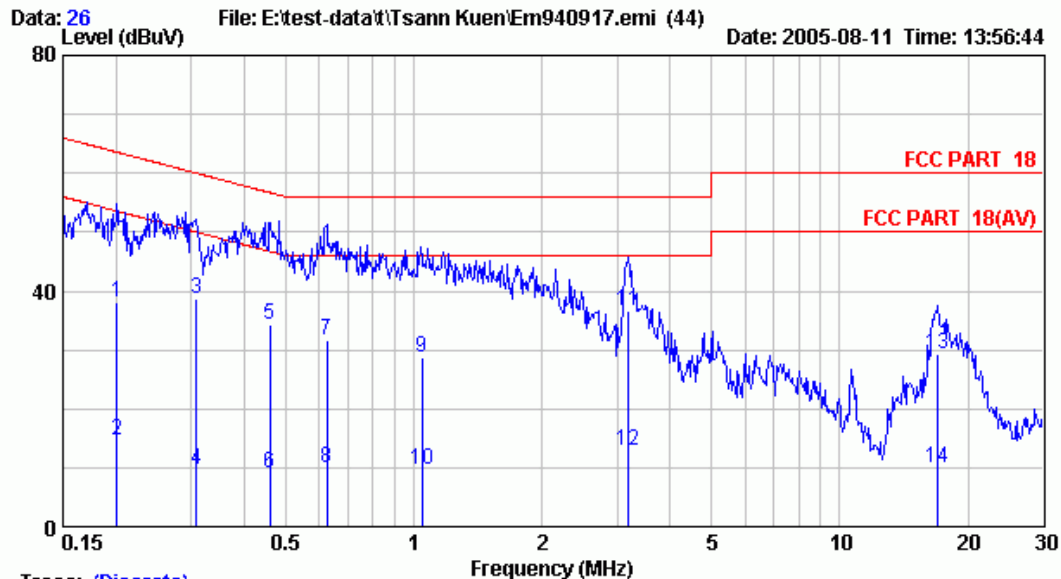
Site : No.2 Shielded room Data : 29
Condition : KHW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : BEVERAGE

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.368	0.11	0.31	31.21	31.63	58.54	26.90	QP
2	0.368	0.11	0.31	6.34	6.76	48.54	41.77	AVERAGE
3	0.697	0.10	0.37	35.99	36.46	56.00	19.54	QP
4	0.697	0.10	0.37	9.77	10.24	46.00	35.76	AVERAGE
5	0.885	0.10	0.39	35.66	36.15	56.00	19.85	QP
6	0.885	0.10	0.39	8.36	8.85	46.00	37.15	AVERAGE
7	1.444	0.10	0.40	33.05	33.55	56.00	22.45	QP
8	1.444	0.10	0.40	5.91	6.41	46.00	39.59	AVERAGE
9	3.210	0.10	0.40	35.68	36.18	56.00	19.82	QP
10	3.210	0.10	0.40	8.42	8.92	46.00	37.08	AVERAGE
11	18.427	0.27	0.70	25.44	26.41	60.00	33.59	QP
12	18.427	0.27	0.70	7.44	8.41	50.00	41.59	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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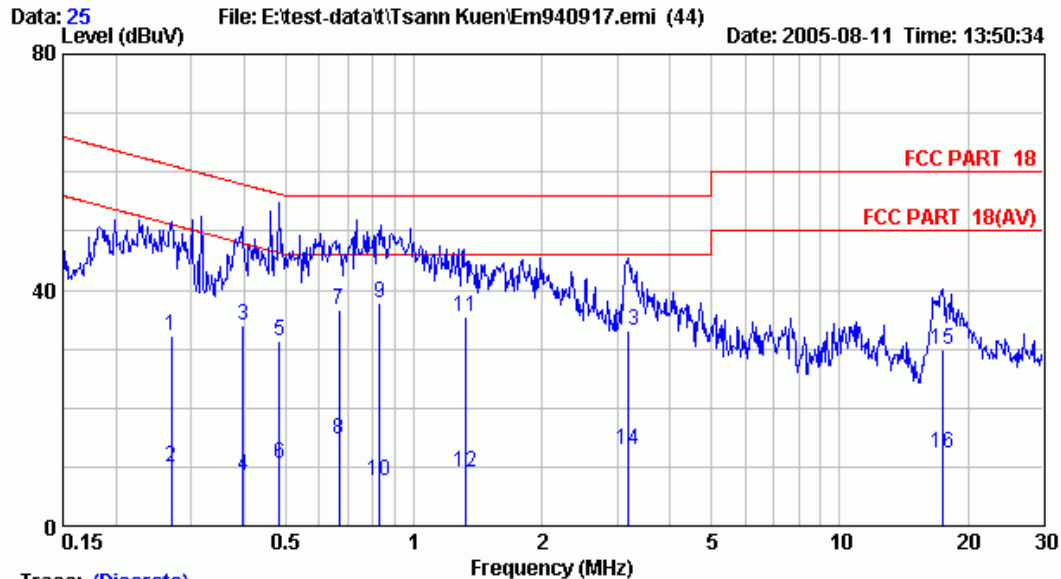
Site : No.2 Shielded room Data : 26
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : SOUP

		LISN	Cable		Emission			
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.201	0.20	0.26	37.65	38.11	63.58	25.47	QP
2	0.201	0.20	0.26	14.28	14.74	53.58	38.84	AVERAGE
3	0.309	0.14	0.30	38.20	38.63	59.99	21.36	QP
4	0.309	0.14	0.30	9.33	9.76	49.99	40.23	AVERAGE
5	0.459	0.10	0.33	33.81	34.24	56.72	22.47	QP
6	0.459	0.10	0.33	8.68	9.11	46.72	37.60	AVERAGE
7	0.624	0.10	0.36	31.13	31.59	56.00	24.41	QP
8	0.624	0.10	0.36	9.51	9.97	46.00	36.03	AVERAGE
9	1.046	0.10	0.40	28.24	28.74	56.00	27.26	QP
10	1.046	0.10	0.40	9.23	9.73	46.00	36.27	AVERAGE
11	3.184	0.10	0.40	36.18	36.68	56.00	19.32	QP
12	3.184	0.10	0.40	12.28	12.78	46.00	33.22	AVERAGE
13	17.012	0.24	0.70	28.37	29.31	60.00	30.69	QP
14	17.012	0.24	0.70	9.10	10.04	50.00	39.96	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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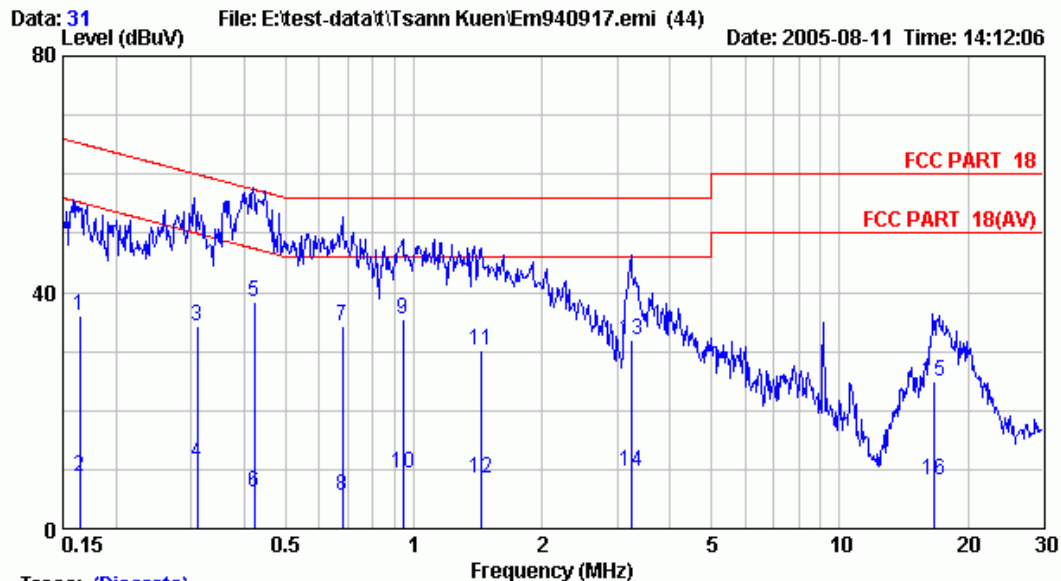
Site : No.2 Shielded room Data : 25
Condition : KHW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : SOUP

		LISN	Cable		Emission			
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.270	0.16	0.29	31.85	32.29	61.12	28.83	QP
2	0.270	0.16	0.29	9.48	9.92	51.12	41.20	AVERAGE
3	0.397	0.10	0.32	33.68	34.10	57.92	23.82	QP
4	0.397	0.10	0.32	8.03	8.45	47.92	39.47	AVERAGE
5	0.484	0.10	0.34	30.85	31.29	56.28	24.99	QP
6	0.484	0.10	0.34	10.04	10.48	46.28	35.80	AVERAGE
7	0.667	0.10	0.36	36.25	36.71	56.00	19.29	QP
8	0.667	0.10	0.36	14.22	14.68	46.00	31.32	AVERAGE
9	0.833	0.10	0.38	37.45	37.93	56.00	18.07	QP
10	0.833	0.10	0.38	7.18	7.66	46.00	38.34	AVERAGE
11	1.324	0.10	0.40	34.86	35.36	56.00	20.64	QP
12	1.324	0.10	0.40	8.49	8.99	46.00	37.01	AVERAGE
13	3.178	0.10	0.40	32.70	33.20	56.00	22.80	QP
14	3.178	0.10	0.40	12.34	12.84	46.00	33.16	AVERAGE
15	17.375	0.25	0.70	28.86	29.81	60.00	30.19	QP
16	17.375	0.25	0.70	11.41	12.36	50.00	37.64	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Trace: (Discrete)

Site : No.2 Shielded room Data : 31

Condition : KMW-407 Phase : NEUTRAL

Limit : FCC PART 18

Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou

EUT : Microwave Oven M/N:TSK-8402EMM

Power Rating : 120Vac/60Hz

Test Mode : CASS

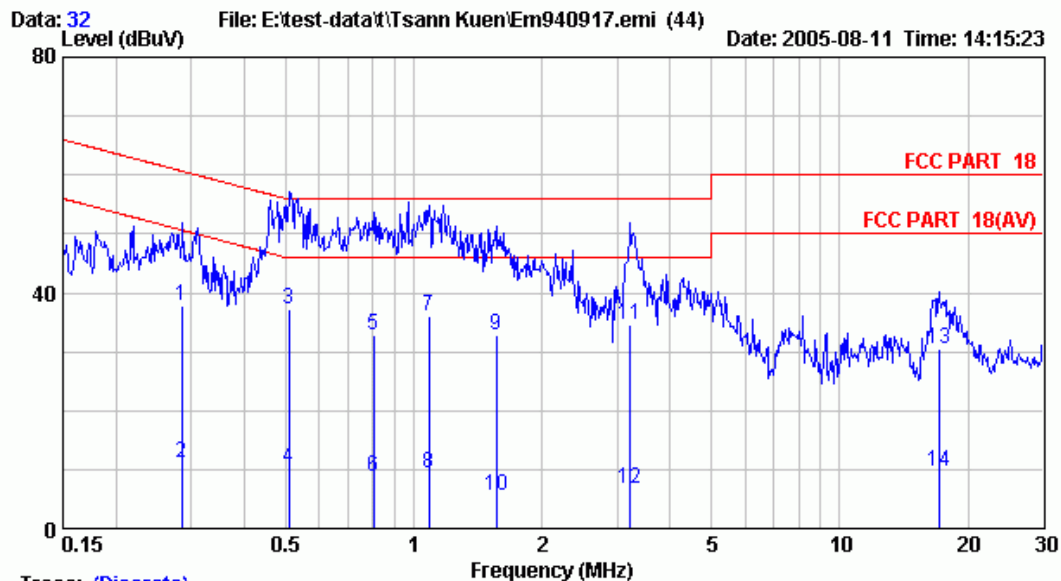
		LISN	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)		
1	0.164	0.27	0.24	35.54	36.05	65.24	29.18	QP
2	0.164	0.27	0.24	8.38	8.89	55.24	46.34	AVERAGE
3	0.310	0.14	0.30	33.88	34.31	59.97	25.65	QP
4	0.310	0.14	0.30	10.74	11.17	49.97	38.79	AVERAGE
5	0.423	0.10	0.33	37.97	38.40	57.39	18.99	QP
6	0.423	0.10	0.33	5.59	6.02	47.39	41.37	AVERAGE
7	0.679	0.10	0.37	33.86	34.33	56.00	21.67	QP
8	0.679	0.10	0.37	5.03	5.50	46.00	40.50	AVERAGE
9	0.944	0.10	0.40	35.09	35.59	56.00	20.41	QP
10	0.944	0.10	0.40	8.76	9.26	46.00	36.74	AVERAGE
11	1.443	0.10	0.40	29.58	30.08	56.00	25.92	QP
12	1.443	0.10	0.40	8.04	8.54	46.00	37.46	AVERAGE
13	3.246	0.10	0.40	31.55	32.05	56.00	23.95	QP
14	3.246	0.10	0.40	9.15	9.65	46.00	36.35	AVERAGE
15	16.581	0.24	0.70	24.04	24.98	60.00	35.02	QP
16	16.581	0.24	0.70	7.34	8.28	50.00	41.72	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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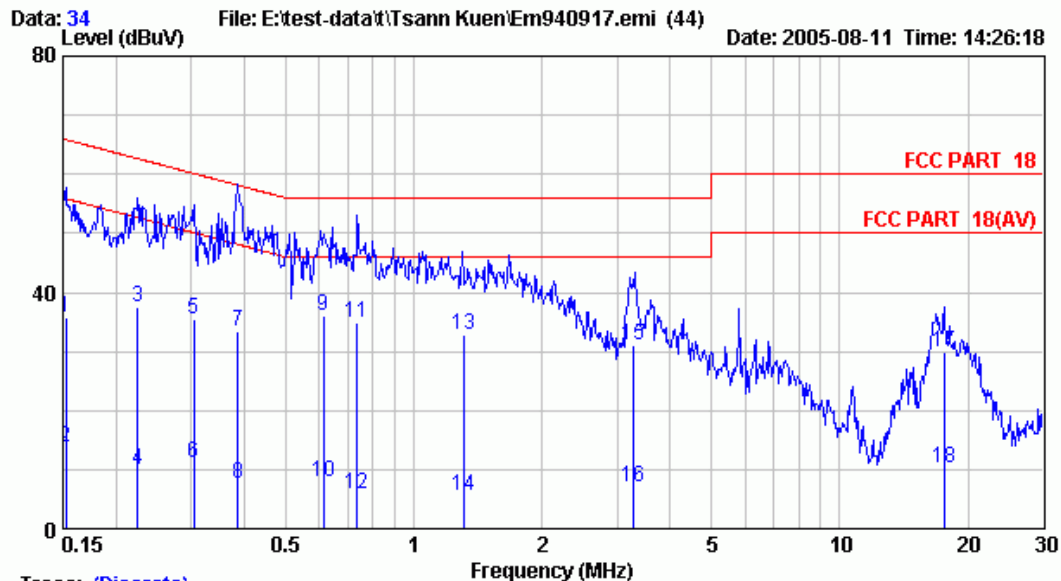
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Condition : KMW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : CASS

		LISN	Cable	Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)		
1	0.285	0.15	0.29	37.40	37.84	60.67	22.83	QP
2	0.285	0.15	0.29	10.83	11.27	50.67	39.40	AVERAGE
3	0.509	0.10	0.34	36.77	37.21	56.00	18.79	QP
4	0.509	0.10	0.34	9.80	10.24	46.00	35.76	AVERAGE
5	0.804	0.10	0.38	32.27	32.75	56.00	23.25	QP
6	0.804	0.10	0.38	8.17	8.65	46.00	37.35	AVERAGE
7	1.084	0.10	0.40	35.48	35.98	56.00	20.02	QP
8	1.084	0.10	0.40	8.74	9.24	46.00	36.76	AVERAGE
9	1.565	0.10	0.40	32.30	32.80	56.00	23.20	QP
10	1.565	0.10	0.40	5.17	5.67	46.00	40.33	AVERAGE
11	3.226	0.10	0.40	34.20	34.70	56.00	21.30	QP
12	3.226	0.10	0.40	6.32	6.82	46.00	39.18	AVERAGE
13	17.119	0.25	0.70	29.58	30.53	60.00	29.47	QP
14	17.119	0.25	0.70	8.75	9.70	50.00	40.30	AVERAGE

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.
2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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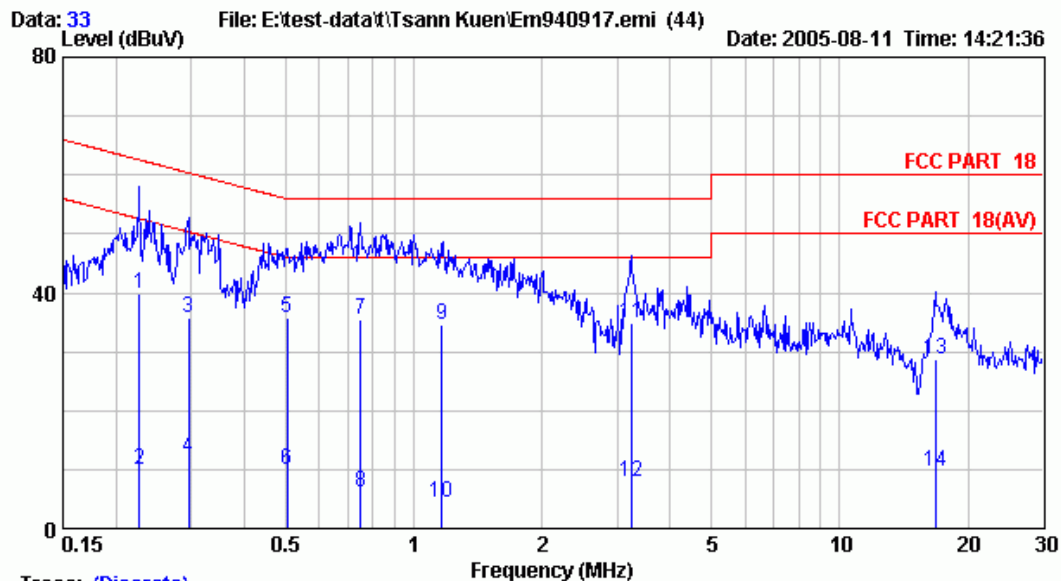
Site : No.2 Shielded room Data : 34
Condition : KMW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : SING

		LISN	Cable		Emission			
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.152	0.29	0.24	35.12	35.65	65.87	30.22	QP
2	0.152	0.29	0.24	13.20	13.73	55.87	42.14	AVERAGE
3	0.224	0.18	0.27	37.14	37.59	62.66	25.07	QP
4	0.224	0.18	0.27	9.41	9.86	52.66	42.80	AVERAGE
5	0.305	0.14	0.30	35.03	35.47	60.11	24.64	QP
6	0.305	0.14	0.30	10.74	11.18	50.11	38.93	AVERAGE
7	0.387	0.10	0.32	33.00	33.42	58.12	24.70	QP
8	0.387	0.10	0.32	7.34	7.76	48.12	40.36	AVERAGE
9	0.614	0.10	0.36	35.50	35.96	56.00	20.04	QP
10	0.614	0.10	0.36	7.48	7.94	46.00	38.06	AVERAGE
11	0.735	0.10	0.37	34.54	35.01	56.00	20.99	QP
12	0.735	0.10	0.37	5.25	5.72	46.00	40.28	AVERAGE
13	1.308	0.10	0.40	32.18	32.68	56.00	23.32	QP
14	1.308	0.10	0.40	5.14	5.64	46.00	40.36	AVERAGE
15	3.284	0.10	0.40	30.68	31.18	56.00	24.82	QP
16	3.284	0.10	0.40	6.65	7.15	46.00	38.85	AVERAGE
17	17.577	0.26	0.70	28.94	29.90	60.00	30.10	QP
18	17.577	0.26	0.70	9.42	10.38	50.00	39.62	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Site : No.2 Shielded room Data : 33
Condition : KMW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C,50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : SING

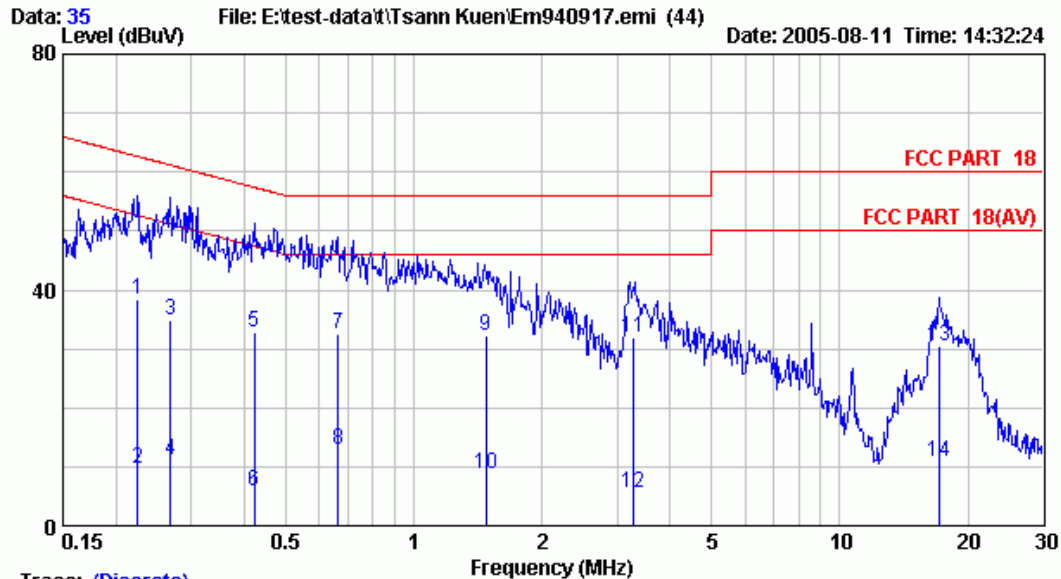
		LISN	Cable		Emission			
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.227	0.18	0.27	39.27	39.72	62.57	22.85	QP
2	0.227	0.18	0.27	9.63	10.08	52.57	42.49	AVERAGE
3	0.296	0.14	0.29	35.45	35.89	60.37	24.48	QP
4	0.296	0.14	0.29	11.59	12.03	50.37	38.34	AVERAGE
5	0.505	0.10	0.34	35.21	35.65	56.00	20.35	QP
6	0.505	0.10	0.34	9.44	9.88	46.00	36.12	AVERAGE
7	0.751	0.10	0.37	35.11	35.58	56.00	20.42	QP
8	0.751	0.10	0.37	5.59	6.06	46.00	39.94	AVERAGE
9	1.166	0.10	0.40	33.94	34.44	56.00	21.56	QP
10	1.166	0.10	0.40	3.85	4.35	46.00	41.65	AVERAGE
11	3.246	0.10	0.40	34.48	34.98	56.00	21.02	QP
12	3.246	0.10	0.40	7.33	7.83	46.00	38.17	AVERAGE
13	16.741	0.24	0.70	27.85	28.79	60.00	31.21	QP
14	16.741	0.24	0.70	8.62	9.56	50.00	40.44	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector
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with average detector is unnecessary.



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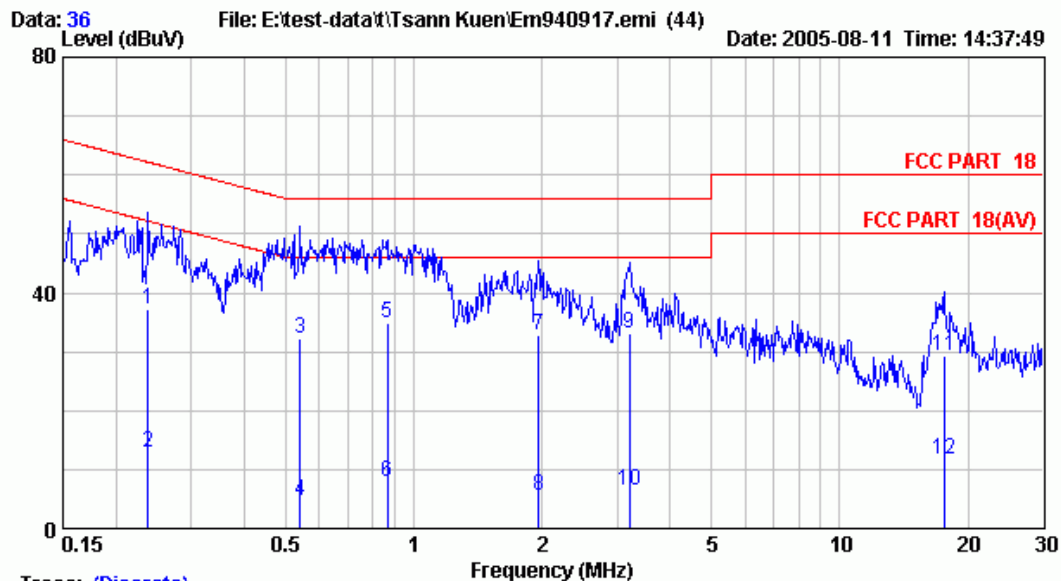
Site : No.2 Shielded room Data : 35
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 26°C,50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : AUTO DEFROST

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.224	0.18	0.27	38.03	38.48	62.66	24.18	QP
2	0.224	0.18	0.27	9.32	9.77	52.66	42.89	AVERAGE
3	0.269	0.16	0.29	34.52	34.96	61.16	26.20	QP
4	0.269	0.16	0.29	10.55	10.99	51.16	40.17	AVERAGE
5	0.421	0.10	0.32	32.30	32.72	57.42	24.70	QP
6	0.421	0.10	0.32	5.45	5.87	47.42	41.55	AVERAGE
7	0.665	0.10	0.36	32.04	32.50	56.00	23.50	QP
8	0.665	0.10	0.36	12.56	13.02	46.00	32.98	AVERAGE
9	1.476	0.10	0.40	31.88	32.38	56.00	23.62	QP
10	1.476	0.10	0.40	8.40	8.90	46.00	37.10	AVERAGE
11	3.285	0.10	0.40	31.41	31.91	56.00	24.09	QP
12	3.285	0.10	0.40	5.19	5.69	46.00	40.31	AVERAGE
13	17.114	0.25	0.70	29.42	30.37	60.00	29.63	QP
14	17.114	0.25	0.70	9.75	10.70	50.00	39.30	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Site : No.2 Shielded room Data : 36
Condition : KMW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 26°C,50% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : AUTO DEFROST

		LISN	Cable	Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)		
1	0.238	0.17	0.28	36.62	37.07	62.17	25.10	QP
2	0.238	0.17	0.28	12.41	12.86	52.17	39.31	AVERAGE
3	0.541	0.10	0.35	31.69	32.14	56.00	23.86	QP
4	0.541	0.10	0.35	4.30	4.75	46.00	41.25	AVERAGE
5	0.866	0.10	0.39	34.39	34.88	56.00	21.12	QP
6	0.866	0.10	0.39	7.36	7.85	46.00	38.15	AVERAGE
7	1.966	0.10	0.40	32.43	32.93	56.00	23.07	QP
8	1.966	0.10	0.40	5.21	5.71	46.00	40.29	AVERAGE
9	3.215	0.10	0.40	32.64	33.14	56.00	22.86	QP
10	3.215	0.10	0.40	6.09	6.59	46.00	39.41	AVERAGE
11	17.578	0.26	0.70	28.34	29.30	60.00	30.70	QP
12	17.578	0.26	0.70	10.82	11.78	50.00	38.22	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

6.6.4. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Matsushita, Type 2M211A-M2J,

H.V. Transformer : Yunlu, Type No. KHT-R701ACK)

EUT with following test modes were measured during conducted testing and all the test results are listed in next pages.

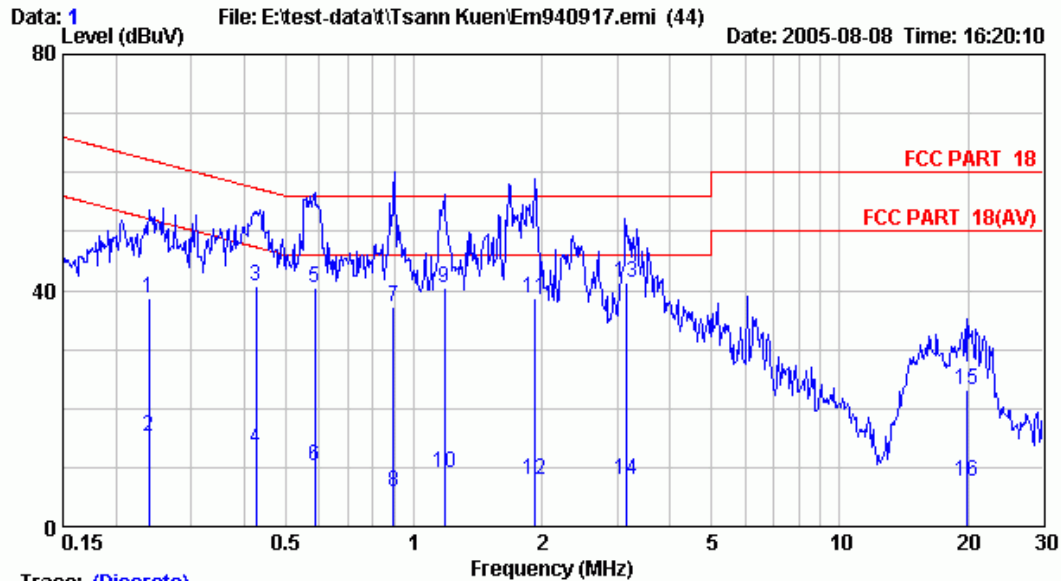
Test Date : Aug. 08, 2005 Temperature : 24°C Humidity : 46%

The details of test mode and reference test data are as follows :

NO.	Test Mode	Reference Test Data No.	
		Neutral	Line
1.	Popcorn	# 1	# 2
2.	Beverage	# 4	# 3
3.	Soup	# 8	# 7
4.	Cass	# 9	# 10
5.	Sing	# 12	# 11
6.	Auto Defrost	# 5	# 6



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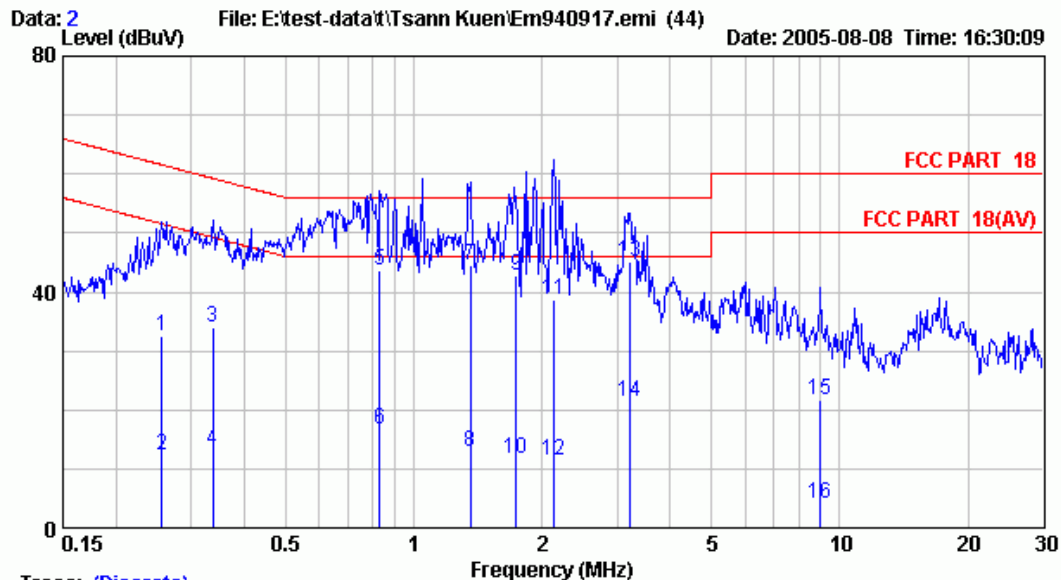
Site : No.2 Shielded room Data : 1
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 24°C,46% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : POPCORN

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.239	0.17	0.28	38.32	38.77	62.13	23.36	QP
2	0.239	0.17	0.28	14.65	15.10	52.13	37.03	AVERAGE
3	0.426	0.10	0.33	40.20	40.63	57.33	16.71	QP
4	0.426	0.10	0.33	12.86	13.29	47.33	34.05	AVERAGE
5	0.586	0.10	0.35	39.93	40.38	56.00	15.62	QP
6	0.586	0.10	0.35	9.86	10.31	46.00	35.69	AVERAGE
7	0.895	0.10	0.39	36.81	37.30	56.00	18.70	QP
8	0.895	0.10	0.39	5.44	5.93	46.00	40.07	AVERAGE
9	1.180	0.10	0.40	39.99	40.49	56.00	15.51	QP
10	1.180	0.10	0.40	8.68	9.18	46.00	36.82	AVERAGE
11	1.924	0.10	0.40	38.29	38.79	56.00	17.21	QP
12	1.924	0.10	0.40	7.38	7.88	46.00	38.12	AVERAGE
13	3.141	0.10	0.40	40.81	41.31	56.00	14.69	QP
14	3.141	0.10	0.40	7.53	8.03	46.00	37.97	AVERAGE
15	19.944	0.30	0.70	22.20	23.20	60.00	36.80	QP
16	19.944	0.30	0.70	6.58	7.58	50.00	42.42	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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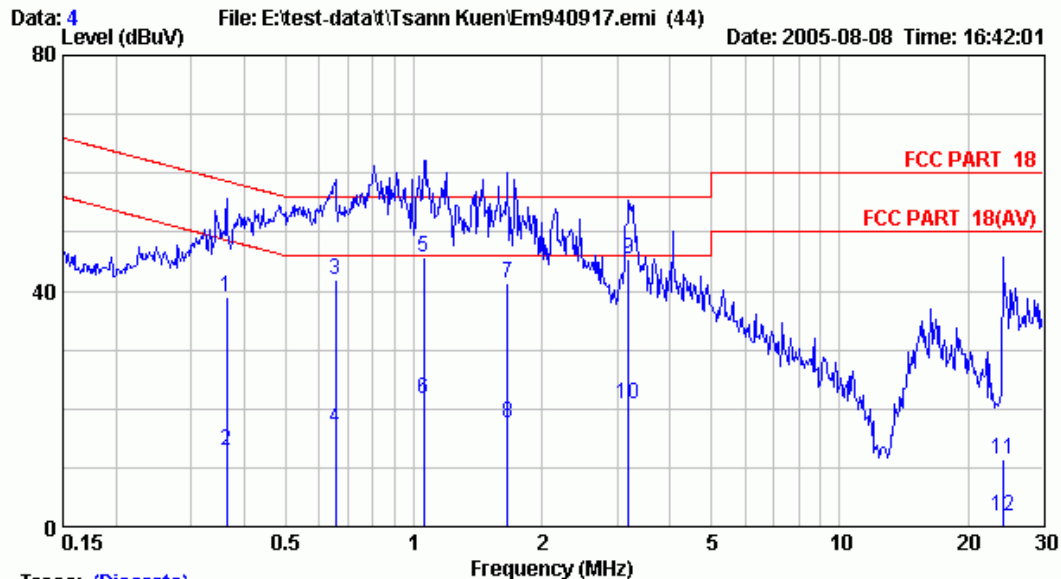
Site : No.2 Shielded room Data : 2
Condition : KMW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : POPCORN

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.256	0.16	0.28	32.02	32.47	61.56	29.09	QP
2	0.256	0.16	0.28	11.87	12.32	51.56	39.24	AVERAGE
3	0.337	0.12	0.31	33.55	33.98	59.27	25.29	QP
4	0.337	0.12	0.31	12.72	13.15	49.27	36.12	AVERAGE
5	0.830	0.10	0.38	43.13	43.61	56.00	12.39	QP
6	0.830	0.10	0.38	16.12	16.60	46.00	29.40	AVERAGE
7	1.356	0.10	0.40	43.95	44.45	56.00	11.55	QP
8	1.356	0.10	0.40	12.40	12.90	46.00	33.10	AVERAGE
9	1.737	0.10	0.40	42.24	42.74	56.00	13.26	QP
10	1.737	0.10	0.40	11.35	11.85	46.00	34.15	AVERAGE
11	2.133	0.10	0.40	38.19	38.69	56.00	17.31	QP
12	2.133	0.10	0.40	10.81	11.31	46.00	34.69	AVERAGE
13	3.229	0.10	0.40	44.72	45.22	56.00	10.78	QP
14	3.229	0.10	0.40	20.88	21.38	46.00	24.62	AVERAGE
15	9.018	0.19	0.67	20.74	21.59	60.00	38.41	QP
16	9.018	0.19	0.67	3.17	4.02	50.00	45.98	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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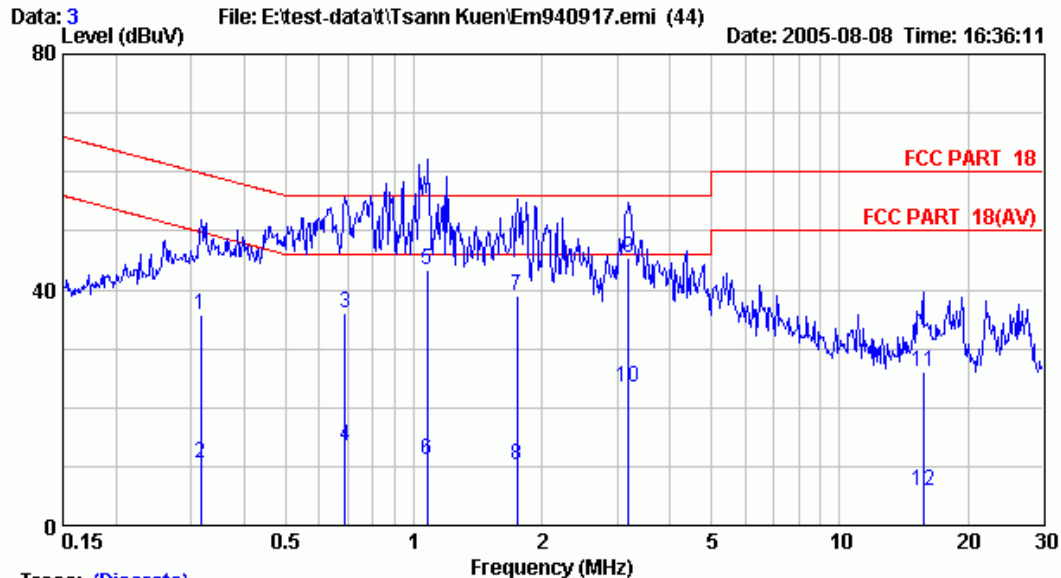
Site : No.2 Shielded room Data : 4
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : BEVERAGE

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.363	0.11	0.31	38.66	39.09	58.65	19.57	QP
2	0.363	0.11	0.31	12.57	13.00	48.65	35.66	AVERAGE
3	0.654	0.10	0.36	41.36	41.82	56.00	14.18	QP
4	0.654	0.10	0.36	16.37	16.83	46.00	29.17	AVERAGE
5	1.055	0.10	0.40	45.26	45.76	56.00	10.24	QP
6	1.055	0.10	0.40	21.09	21.59	46.00	24.41	AVERAGE
7	1.656	0.10	0.40	40.78	41.28	56.00	14.72	QP
8	1.656	0.10	0.40	17.11	17.61	46.00	28.39	AVERAGE
9	3.196	0.10	0.40	44.95	45.45	56.00	10.55	QP
10	3.196	0.10	0.40	20.39	20.89	46.00	25.11	AVERAGE
11	24.146	0.38	0.70	10.39	11.47	60.00	48.53	QP
12	24.146	0.38	0.70	0.73	1.81	50.00	48.19	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Site : No.2 Shielded room Data : 3
Condition : KMW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 24°C,46% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : BEVERAGE

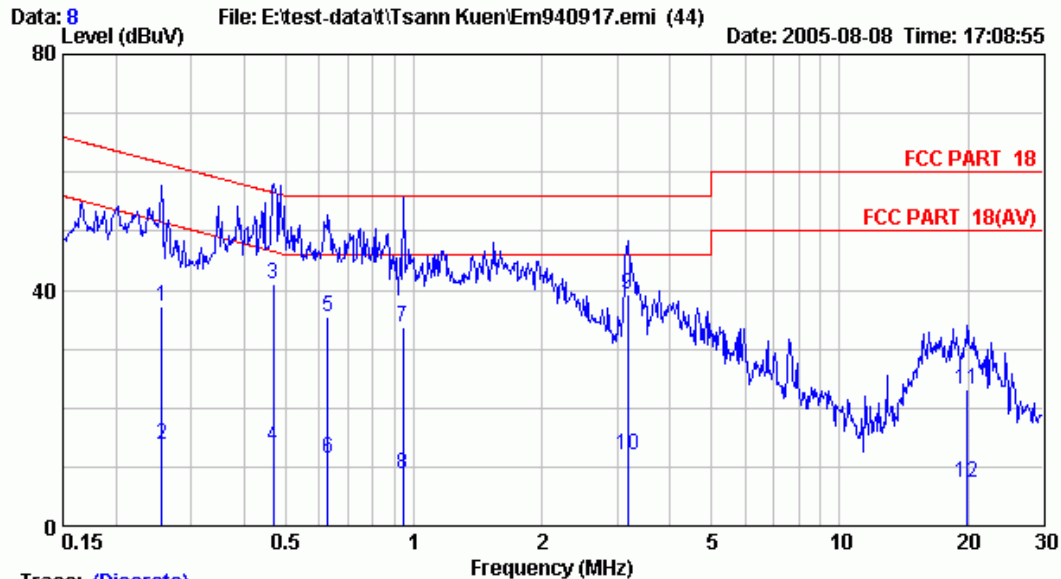
		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.317	0.13	0.30	35.44	35.87	59.80	23.92	QP
2	0.317	0.13	0.30	10.00	10.43	49.80	39.36	AVERAGE
3	0.690	0.10	0.37	35.50	35.97	56.00	20.03	QP
4	0.690	0.10	0.37	12.90	13.37	46.00	32.63	AVERAGE
5	1.076	0.10	0.40	42.99	43.49	56.00	12.51	QP
6	1.076	0.10	0.40	10.66	11.16	46.00	34.84	AVERAGE
7	1.745	0.10	0.40	38.38	38.88	56.00	17.12	QP
8	1.745	0.10	0.40	9.89	10.39	46.00	35.61	AVERAGE
9	3.196	0.10	0.40	44.92	45.42	56.00	10.58	QP
10	3.196	0.10	0.40	23.00	23.50	46.00	22.50	AVERAGE
11	15.716	0.22	0.70	25.22	26.14	60.00	33.86	QP
12	15.716	0.22	0.70	4.83	5.75	50.00	44.25	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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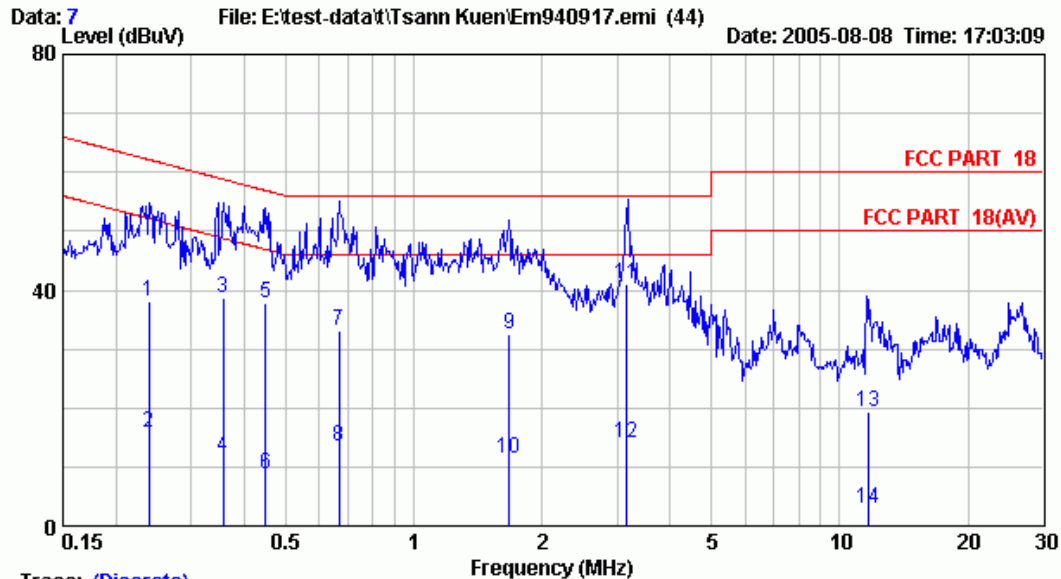
Site : No.2 Shielded room Data : 8
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : SOUP

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.256	0.16	0.28	36.84	37.29	61.56	24.27	QP
2	0.256	0.16	0.28	13.40	13.85	51.56	37.71	AVERAGE
3	0.469	0.10	0.33	40.47	40.90	56.54	15.63	QP
4	0.469	0.10	0.33	13.10	13.53	46.54	33.00	AVERAGE
5	0.627	0.10	0.36	35.11	35.57	56.00	20.43	QP
6	0.627	0.10	0.36	10.97	11.43	46.00	34.57	AVERAGE
7	0.943	0.10	0.39	33.33	33.82	56.00	22.18	QP
8	0.943	0.10	0.39	8.21	8.70	46.00	37.30	AVERAGE
9	3.176	0.10	0.40	38.80	39.30	56.00	16.70	QP
10	3.176	0.10	0.40	11.58	12.08	46.00	33.92	AVERAGE
11	19.942	0.30	0.70	22.25	23.25	60.00	36.75	QP
12	19.942	0.30	0.70	6.38	7.38	50.00	42.62	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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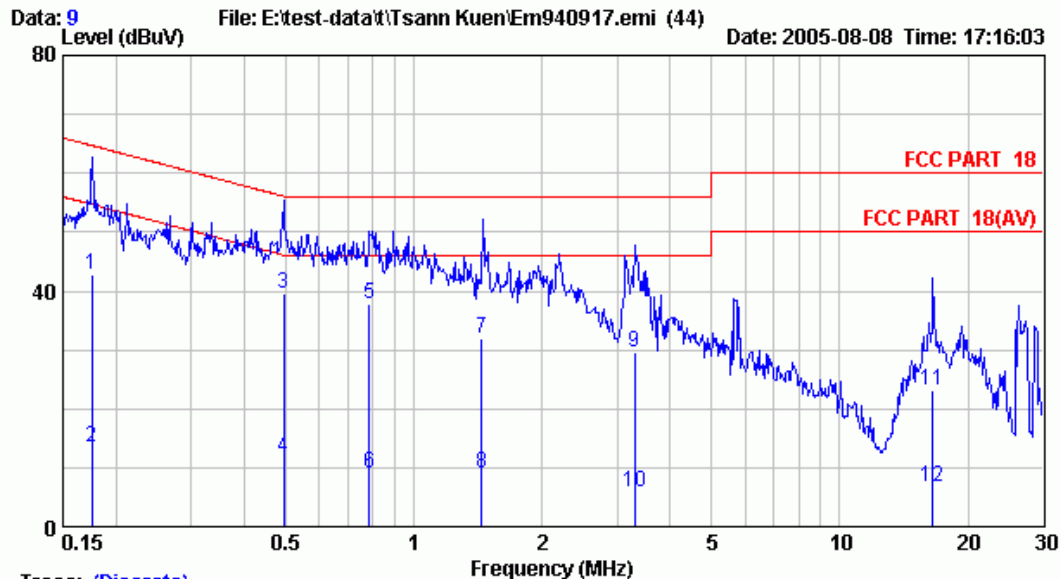
Site : No.2 Shielded room Data : 7
Condition : KHW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 24°C,46% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : SOUP

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.239	0.17	0.28	37.61	38.06	62.13	24.07	QP
2	0.239	0.17	0.28	15.49	15.94	52.13	36.19	AVERAGE
3	0.358	0.12	0.31	38.38	38.81	58.78	19.98	QP
4	0.358	0.12	0.31	11.20	11.63	48.78	37.16	AVERAGE
5	0.449	0.10	0.33	37.51	37.94	56.89	18.95	QP
6	0.449	0.10	0.33	8.24	8.67	46.89	38.22	AVERAGE
7	0.668	0.10	0.36	32.73	33.19	56.00	22.81	QP
8	0.668	0.10	0.36	13.16	13.62	46.00	32.38	AVERAGE
9	1.674	0.10	0.40	31.89	32.39	56.00	23.61	QP
10	1.674	0.10	0.40	11.04	11.54	46.00	34.46	AVERAGE
11	3.165	0.10	0.40	40.42	40.92	56.00	15.08	QP
12	3.165	0.10	0.40	13.53	14.03	46.00	31.97	AVERAGE
13	11.629	0.20	0.70	18.48	19.38	60.00	40.62	QP
14	11.629	0.20	0.70	1.89	2.79	50.00	47.21	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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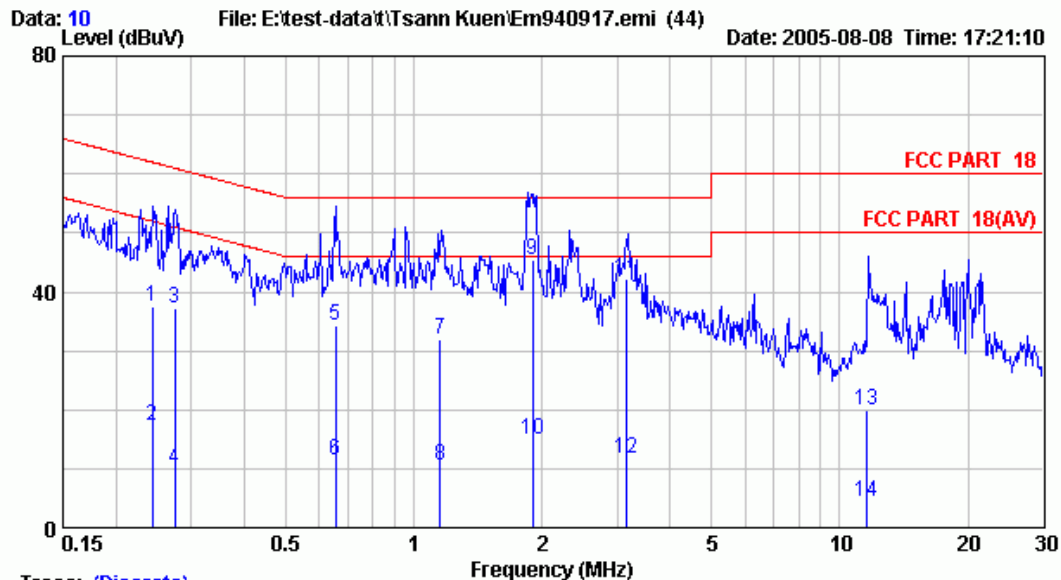
Site : No.2 Shielded room Data : 9
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 24°C,46% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : CASS

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.176	0.24	0.25	42.22	42.71	64.68	21.97	QP
2	0.176	0.24	0.25	13.10	13.59	54.68	41.09	AVERAGE
3	0.494	0.10	0.34	39.04	39.48	56.10	16.62	QP
4	0.494	0.10	0.34	11.35	11.79	46.10	34.31	AVERAGE
5	0.788	0.10	0.38	37.44	37.92	56.00	18.08	QP
6	0.788	0.10	0.38	8.74	9.22	46.00	36.78	AVERAGE
7	1.446	0.10	0.40	31.31	31.81	56.00	24.19	QP
8	1.446	0.10	0.40	8.65	9.15	46.00	36.85	AVERAGE
9	3.293	0.10	0.40	29.19	29.69	56.00	26.31	QP
10	3.293	0.10	0.40	5.35	5.85	46.00	40.15	AVERAGE
11	16.565	0.24	0.70	22.25	23.19	60.00	36.81	QP
12	16.565	0.24	0.70	5.73	6.67	50.00	43.33	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Site : No.2 Shielded room Data : 10
Condition : KMW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : CASS

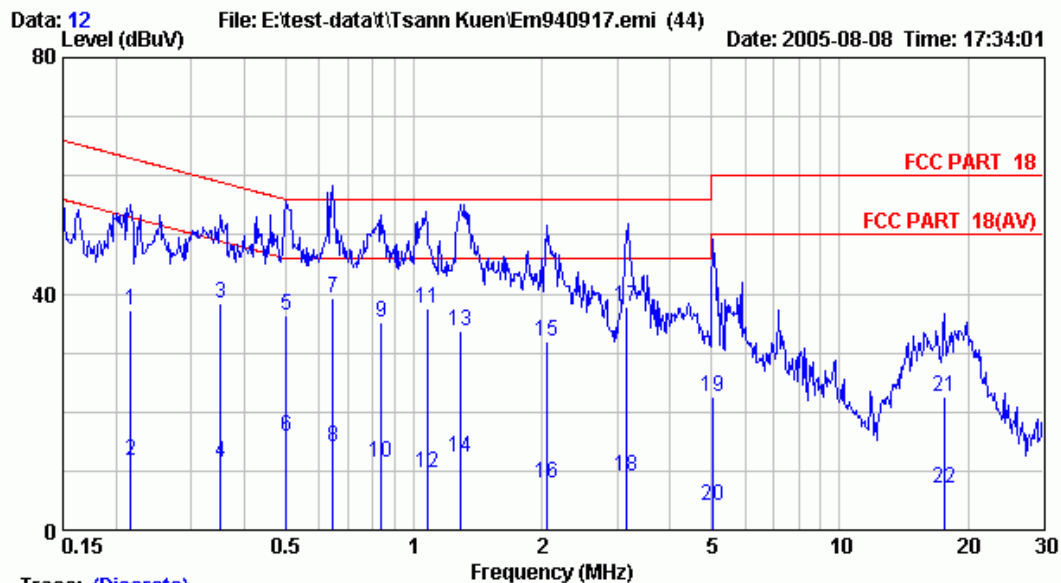
		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.243	0.17	0.28	37.09	37.54	62.00	24.46	QP
2	0.243	0.17	0.28	16.95	17.40	52.00	34.60	AVERAGE
3	0.274	0.15	0.29	36.84	37.28	60.98	23.70	QP
4	0.274	0.15	0.29	9.55	9.99	50.98	40.99	AVERAGE
5	0.655	0.10	0.36	33.71	34.17	56.00	21.83	QP
6	0.655	0.10	0.36	10.89	11.35	46.00	34.65	AVERAGE
7	1.155	0.10	0.40	31.44	31.94	56.00	24.06	QP
8	1.155	0.10	0.40	9.91	10.41	46.00	35.59	AVERAGE
9	1.897	0.10	0.40	44.86	45.36	56.00	10.64	QP
10	1.897	0.10	0.40	14.33	14.83	46.00	31.17	AVERAGE
11	3.148	0.10	0.40	41.62	42.12	56.00	13.88	QP
12	3.148	0.10	0.40	11.27	11.77	46.00	34.23	AVERAGE
13	11.612	0.20	0.70	19.17	20.07	60.00	39.93	QP
14	11.612	0.20	0.70	3.51	4.41	50.00	45.59	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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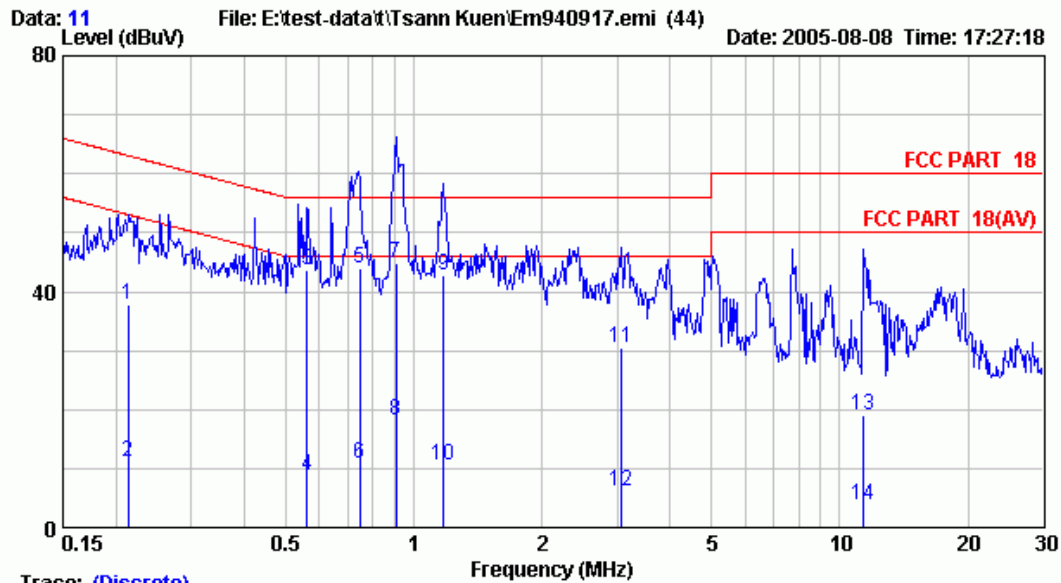
Site : No.2 Shielded room Data : 12
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : SING

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.217	0.19	0.27	36.70	37.16	62.95	25.80	QP
2	0.217	0.19	0.27	11.36	11.82	52.95	41.14	AVERAGE
3	0.352	0.12	0.31	37.94	38.37	58.92	20.55	QP
4	0.352	0.12	0.31	11.12	11.55	48.92	37.37	AVERAGE
5	0.502	0.10	0.34	35.89	36.33	56.00	19.67	QP
6	0.502	0.10	0.34	15.48	15.92	46.00	30.08	AVERAGE
7	0.647	0.10	0.36	38.70	39.16	56.00	16.84	QP
8	0.647	0.10	0.36	13.60	14.06	46.00	31.94	AVERAGE
9	0.839	0.10	0.38	34.62	35.10	56.00	20.90	QP
10	0.839	0.10	0.38	10.81	11.29	46.00	34.71	AVERAGE
11	1.077	0.10	0.40	36.91	37.41	56.00	18.59	QP
12	1.077	0.10	0.40	9.14	9.64	46.00	36.36	AVERAGE
13	1.290	0.10	0.40	33.23	33.73	56.00	22.27	QP
14	1.290	0.10	0.40	11.69	12.19	46.00	33.81	AVERAGE
15	2.045	0.10	0.40	31.51	32.01	56.00	23.99	QP
16	2.045	0.10	0.40	7.55	8.05	46.00	37.95	AVERAGE
17	3.165	0.10	0.40	37.24	37.74	56.00	18.26	QP
18	3.165	0.10	0.40	8.66	9.16	46.00	36.84	AVERAGE
19	5.022	0.10	0.47	22.07	22.64	60.00	37.36	QP
20	5.022	0.10	0.47	3.56	4.13	50.00	45.87	AVERAGE
21	17.578	0.26	0.70	21.58	22.54	60.00	37.46	QP
22	17.578	0.26	0.70	6.13	7.09	50.00	42.91	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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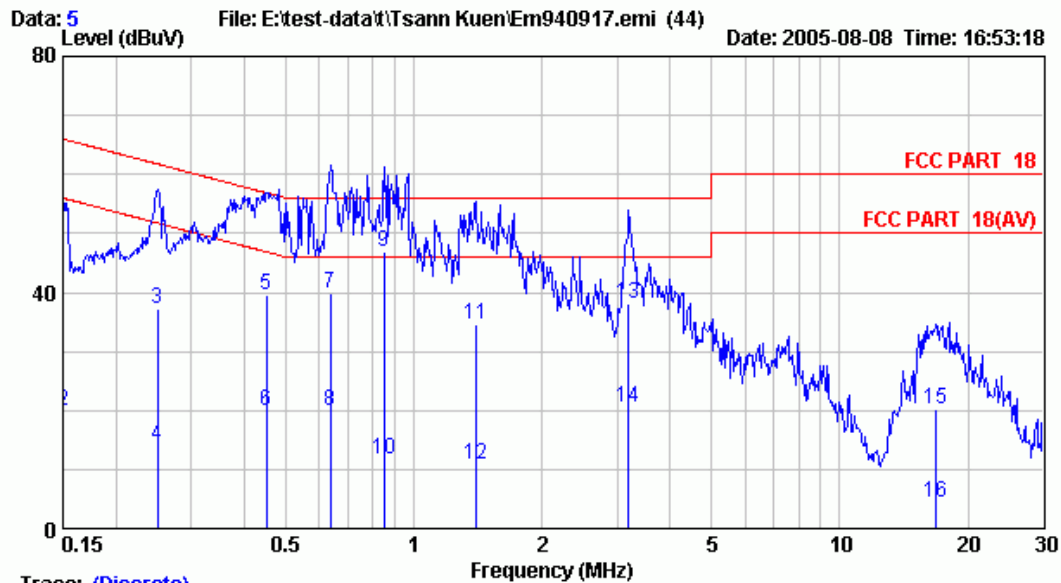
Site : No.2 Shielded room Data : 11
Condition : KMW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : SING

		LISN	Cable	Emission				
	Freq. (MHz)	Factor (dB)	Loss (dB)	Reading (dB μ V)	Level (dB μ V)	Limits (dB μ V)	Margin (dB)	Remark
1	0.214	0.19	0.27	37.40	37.86	63.05	25.20	QP
2	0.214	0.19	0.27	10.73	11.19	53.05	41.87	AVERAGE
3	0.561	0.10	0.35	43.10	43.55	56.00	12.45	QP
4	0.561	0.10	0.35	8.20	8.65	46.00	37.35	AVERAGE
5	0.746	0.10	0.37	43.52	43.99	56.00	12.01	QP
6	0.746	0.10	0.37	10.37	10.84	46.00	35.16	AVERAGE
7	0.909	0.10	0.39	44.27	44.76	56.00	11.24	QP
8	0.909	0.10	0.39	17.79	18.28	46.00	27.72	AVERAGE
9	1.177	0.10	0.40	42.27	42.77	56.00	13.23	QP
10	1.177	0.10	0.40	10.14	10.64	46.00	35.36	AVERAGE
11	3.065	0.10	0.40	30.05	30.55	56.00	25.45	QP
12	3.065	0.10	0.40	5.61	6.11	46.00	39.89	AVERAGE
13	11.330	0.20	0.70	18.21	19.11	60.00	40.89	QP
14	11.330	0.20	0.70	2.91	3.81	50.00	46.19	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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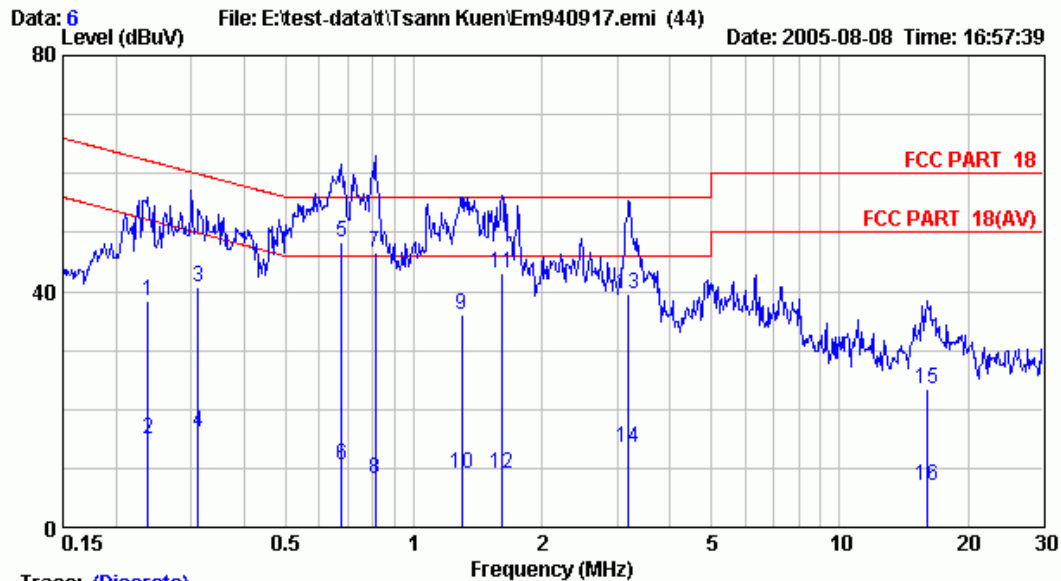
Site : No.2 Shielded room Data : 5
Condition : KMW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : AUTO DEFROST

		LISN	Cable		Emission			
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.150	0.30	0.24	35.35	35.89	66.00	30.11	QP
2	0.150	0.30	0.24	19.35	19.89	56.00	36.11	AVERAGE
3	0.251	0.17	0.28	36.66	37.11	61.73	24.63	QP
4	0.251	0.17	0.28	13.70	14.15	51.73	37.59	AVERAGE
5	0.452	0.10	0.33	39.19	39.62	56.85	17.23	QP
6	0.452	0.10	0.33	19.58	20.01	46.85	26.84	AVERAGE
7	0.637	0.10	0.36	39.36	39.82	56.00	16.18	QP
8	0.637	0.10	0.36	19.33	19.79	46.00	26.21	AVERAGE
9	0.853	0.10	0.39	46.46	46.95	56.00	9.05	QP
10	0.853	0.10	0.39	11.29	11.78	46.00	34.22	AVERAGE
11	1.405	0.10	0.40	34.02	34.52	56.00	21.48	QP
12	1.405	0.10	0.40	10.24	10.74	46.00	35.26	AVERAGE
13	3.194	0.10	0.40	37.52	38.02	56.00	17.98	QP
14	3.194	0.10	0.40	20.11	20.61	46.00	25.39	AVERAGE
15	16.837	0.24	0.70	19.29	20.23	60.00	39.77	QP
16	16.837	0.24	0.70	3.58	4.52	50.00	45.48	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



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Site : No.2 Shielded room Data : 6
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 24°C,46% / ESCS 30 Engineer: Cater Chou
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : AUTO DEFROST

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dB μ V)	(dB μ V)	(dB μ V)	(dB)	
1	0.238	0.17	0.28	37.80	38.25	62.17	23.92	QP
2	0.238	0.17	0.28	14.54	14.99	52.17	37.18	AVERAGE
3	0.312	0.14	0.30	40.36	40.79	59.93	19.13	QP
4	0.312	0.14	0.30	15.61	16.04	49.93	33.88	AVERAGE
5	0.675	0.10	0.37	47.74	48.21	56.00	7.79	QP
6	0.675	0.10	0.37	10.07	10.54	46.00	35.46	AVERAGE
7	0.813	0.10	0.38	46.15	46.63	56.00	9.37	QP
8	0.813	0.10	0.38	7.79	8.27	46.00	37.73	AVERAGE
9	1.293	0.10	0.40	35.49	35.99	56.00	20.01	QP
10	1.293	0.10	0.40	8.69	9.19	46.00	36.81	AVERAGE
11	1.616	0.10	0.40	42.55	43.05	56.00	12.95	QP
12	1.616	0.10	0.40	8.66	9.16	46.00	36.84	AVERAGE
13	3.197	0.10	0.40	39.19	39.69	56.00	16.31	QP
14	3.197	0.10	0.40	13.04	13.54	46.00	32.46	AVERAGE
15	15.967	0.22	0.70	22.49	23.41	60.00	36.59	QP
16	15.967	0.22	0.70	6.04	6.96	50.00	43.04	AVERAGE

Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
2.If the average limit is met when using a quasi-peak detector ,the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

7. RADIATED EMISSION MEASUREMENT

7.1. Test Equipment

The following test equipment was used during the radiated emission tests :

7.1.1. Below 1GHz (at Semi-Anechoic Chamber)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Oct. 04, 04'	Oct. 03, 05'
2.	Pre-Amplifier	HP	8447D	2944A06305	Mar. 10, 05'	Mar. 09, 06'
3.	Broadband Antenna	Schwarzbeck	BBA 9106	A3L	Feb. 18, 05'	Feb. 17, 06'
4.	Broadband Antenna	Schwarzbeck	UHALP9108-A	0139	Dec. 14, 04'	Dec. 13, 05'

7.1.2. Above 1GHz (at Semi-Anechoic Chamber)

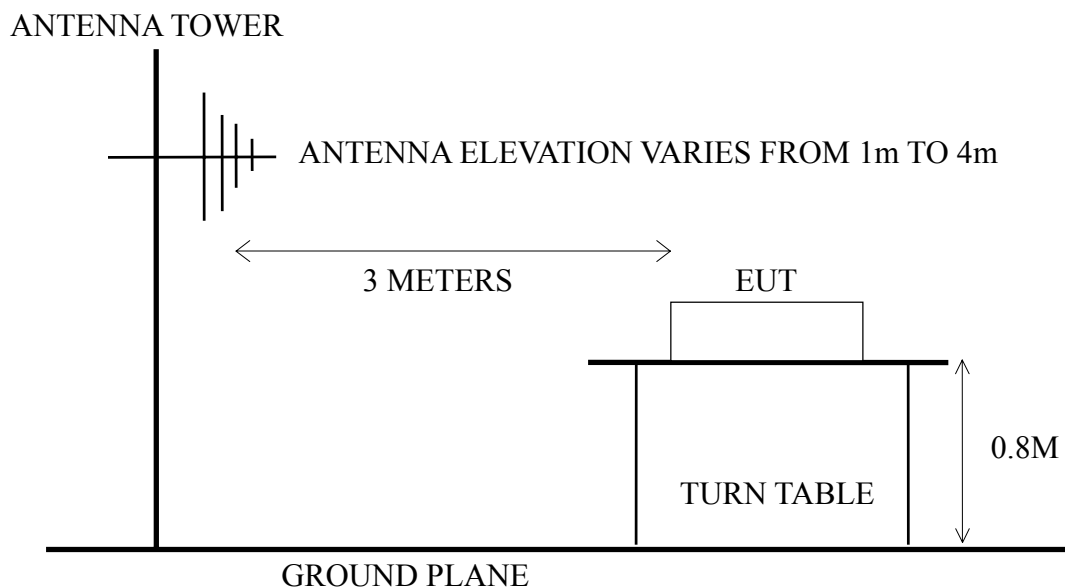
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Oct. 04, 04'	Oct. 03, 05'
2.	Pre-Amplifier	HP	8449B	3008A00529	Jan. 14, 05'	Jan. 13, 06'
3.	Horn Antenna	EMCO	3115	9112-3775	May 04, 05'	May 03, 06'
4.	For Above 3.5GHz - High Pass Filter	HP	84300-80038	005	Jan. 13, 05'	Jan. 12, 06'

7.2. Test Setup

7.2.1. Block Diagram of connection between EUT and simulators

MICROWAVE OVEN (EUT)

7.2.2. Semi-Anechoic Chamber (3m) Setup Diagram



7.3. Radiation Limits

7.3.1. For Model **TSK-8402AMM**

**(Magnetron : Witol, Type No. 2M315H,
H.V. Transformer : Yunlu, Type No. KHT-R701ACK)**

The radiated limits are complied with FCC CFR Title 47 Part 18 Subpart C & MP-5. The limits are calculated as below:

Calculated formula:

$$\text{Limit } (E_{300m}) = 25 * (\text{Power} / 500)^{1/2} (\mu\text{V/m})$$

$$E_{3m} = E_{300m} / K$$

Power Output = 595W

$$\text{Limit } (E_{300m}) = 25 * (595 / 500)^{1/2} (\mu\text{V/m}) = 27.2717 (\mu\text{V/m})$$

$$E_{3m} = 27.2717 / 6.28 * 10^{-3} = 4342.2774 (\mu\text{V/m})$$

$$20\log(4342.2774) = 72.7 (\text{dB}\mu\text{V/m})$$

7.3.2. For Model **TSK-8402EMM**

**(Magnetron : Toshiba, Type No. 2M231CH(EP)-A,
H.V. Transformer : DPC, Type No. EUPA-700A)**

The radiated limits are complied with FCC CFR Title 47 Part 18 Subpart C & MP-5. The limits are calculated as below:

Calculated formula:

$$\text{Limit } (E_{300m}) = 25 * (\text{Power} / 500)^{1/2} (\mu\text{V/m})$$

$$E_{3m} = E_{300m} / K$$

Power Output = 560W

$$\text{Limit } (E_{300m}) = 25 * (560 / 500)^{1/2} (\mu\text{V/m}) = 26.4575(\mu\text{V/m})$$

$$E_{3m} = 26.4575 / 6.23 * 10^{-3} = 4240.2538 (\mu\text{V/m})$$

$$20\log(4240.2538) = 72.5 (\text{dB}\mu\text{V/m})$$

7.3.3. For Model **TSK-8402EMM**

**(Magnetron : Matsushita, Type 2M211A-M2J,
H.V. Transformer : DPC, Type No. EUPA-700A)**

The radiated limits are complied with FCC CFR Title 47 Part 18 Subpart C & MP-5. The limits are calculated as below:

Calculated formula:

$$\text{Limit } (E_{300m}) = 25 * (\text{Power} / 500)^{1/2} (\mu\text{V/m})$$

$$E_{3m} = E_{300m} / K$$

Power Output = 595W

$$\text{Limit } (E_{300m}) = 25 * (595 / 500)^{1/2} (\mu\text{V/m}) = 27.2717 (\mu\text{V/m})$$

$$E_{3m} = 27.2717 / 6.29 * 10^{-3} = 4329.2595 (\mu\text{V/m})$$

$$20\log(4329.2595) = 72.7 (\text{dB}\mu\text{V/m})$$

7.3.4. For Model **TSK-8402EMM**

**(Magnetron : Matsushita, Type 2M211A-M2J,
H.V. Transformer : Yunlu, Type No. KHT-R701ACK)**

The radiated limits are complied with FCC CFR Title 47 Part 18 Subpart C & MP-5. The limits are calculated as below:

Calculated formula:

$$\text{Limit } (E_{300m}) = 25 * (\text{Power} / 500)^{1/2} (\mu\text{V/m})$$

$$E_{3m} = E_{300m} / K$$

Power Output = 595W

$$\text{Limit } (E_{300m}) = 25 * (595 / 500)^{1/2} (\mu\text{V/m}) = 27.2717(\mu\text{V/m})$$

$$E_{3m} = 27.2717 / 6.28 * 10^{-3} = 4336.8438 (\mu\text{V/m})$$

$$20\log(4336.8438) = 72.7 (\text{dB}\mu\text{V/m})$$

7.4. Operating Condition of EUT

- 7.4.1. Setup the EUT and simulator as shown on 7.2.
- 7.4.2. Turned on the power of all equipment.
- 7.4.3. The beaker with two loads (700ml & 300ml) and two locations (center & right front corner) was placed into the Microwave Oven (EUT).
- 7.4.4. The Microwave Oven (EUT) was set in test modes, and all the test modes are listed in section 7.6.

7.5. Test Procedure

The EUT was placed on a turn table which was 0.8 meter or 1 meter (0.8 meter for measurement below 1GHz and 1 meter for measurement above 1GHz) above the ground. The turn table rotated 360 degrees to determine the position of the maximum emission level. The EUT was set to 3 meters away from the receiving antenna which was mounted on an antenna tower. The antenna moved up and down between 1 to 4 meters above reference plane to find out the maximum emission level. Broadband antenna such as calibrated biconical and log-periodical antenna or horn antenna was used as a receiving antenna. Both horizontal and vertical polarizations of the antenna were set on measurement. In order to find the maximum emission, all of the interface cables were manipulated according to FCC/OST MP-5 (1986) regulation.

The resolution bandwidth of spectrum analyzer using Peak detector was set at 120kHz for measurement below 1GHz and resolution bandwidth of spectrum analyzer using Average detector was set at 1MHz for measurement above 1GHz.

Load for measurement on second and third harmonics: Two loads one of 700 and the other of 300 ml, of water are used. Each load is tested both with the beaker located in the center of the microwave oven and with it in the right front corner.

Load for all other measurement: 700ml of water, with the beaker located in the center of the microwave oven.

The frequency range from 30MHz to 1000MHz was pre-scanned with Peak detector at simple anechoic chamber and frequency range above 1GHz was pre-scanned with Average detector at simple anechoic chamber.

7.6. Radiated Emission Measurement Results

PASSED. All emissions not reported below are too low against the prescribed limits.

7.6.1. EUT : Microwave Oven

M/N : TSK-8402AMM

(Magnetron : Witol, Type No. 2M315H,

H.V. Transformer : Yunlu, Type No. KHT-R701ACK)

EUT with following test modes were measured at Semi-Anechoic Chamber and all the test results are listed in next pages.

Test Date : Aug. 04, 2005 Temperature : 20°C Humidity : 69%

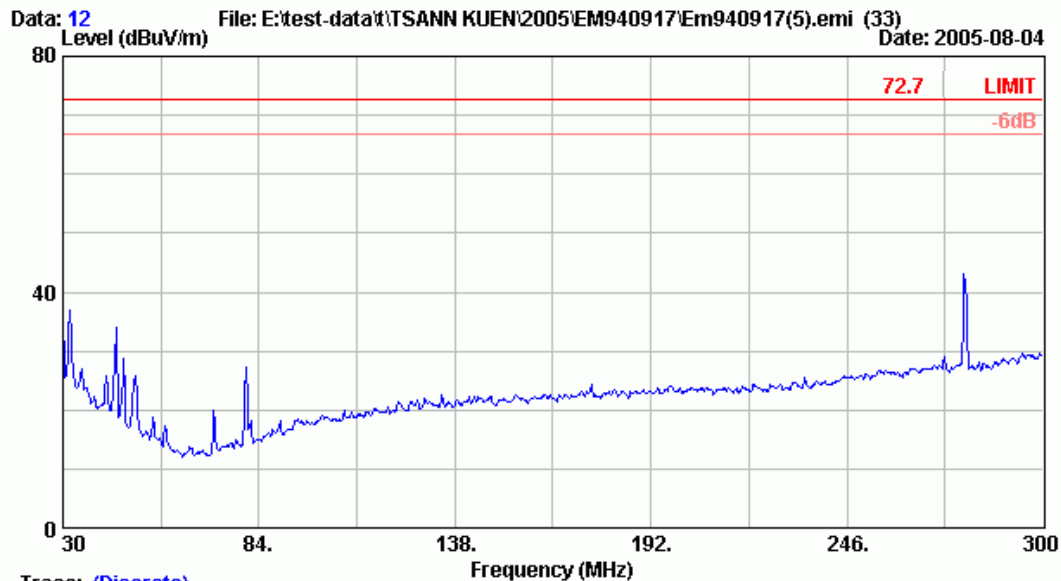
Test Date : Aug. 10, 2005 Temperature : 20°C Humidity : 69%

The details of test mode and reference test data are as follows :

NO.	Frequency range	Test Mode	Reference Test Data No.	
			Horizontal	Vertical
1.	Below 1GHz (30MHz-1GHz)	Load: 700ml, Beaker Location: Center (Max.)	#12, # 9	#11, # 7
2.		Load: 700ml, Beaker Location: Center (Mid.)	#16, # 6	# 15, # 5
3.		Load: 700ml, Beaker Location: Center (Min.)	# 17, # 3	#18, # 4
4.		Load: 700ml, Beaker Location: Center (Defrost)	# 20, # 2	# 19, # 1
5.	Above 1GHz (1GHz-25GHz)	Load: 700ml, Beaker Location: Center	# 32	# 33
6.	Above 1GHz. (At second and third harmonics)	Load: 700ml, Beaker Location: Right Front Corner	# 27	# 26
7.		Load: 300ml, Beaker Location: Center	# 28	# 29
8.		Load: 300ml, Beaker Location: Right Front Corner	# 31	# 30

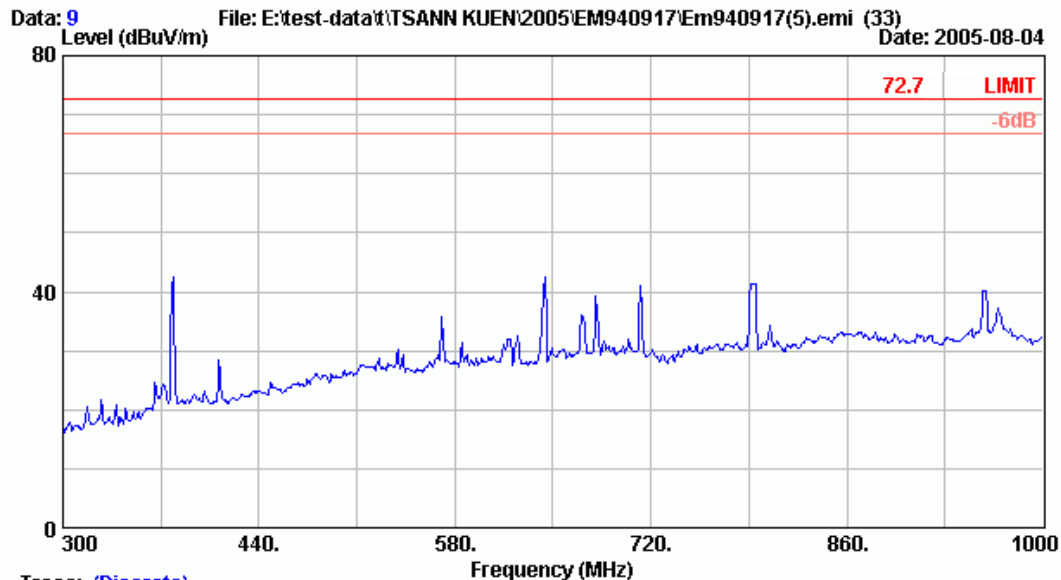


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 12
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Max		
	700 milliliters of waters in the beaker located in the center of the oven		

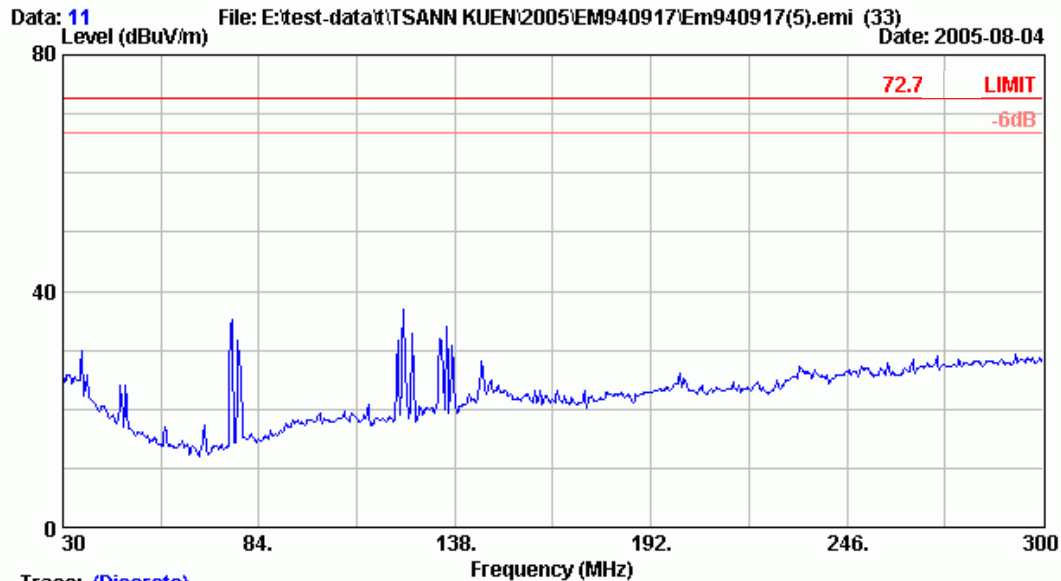


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 9
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Max		
	700 milliliters of waters in the beaker located in the center of the oven		

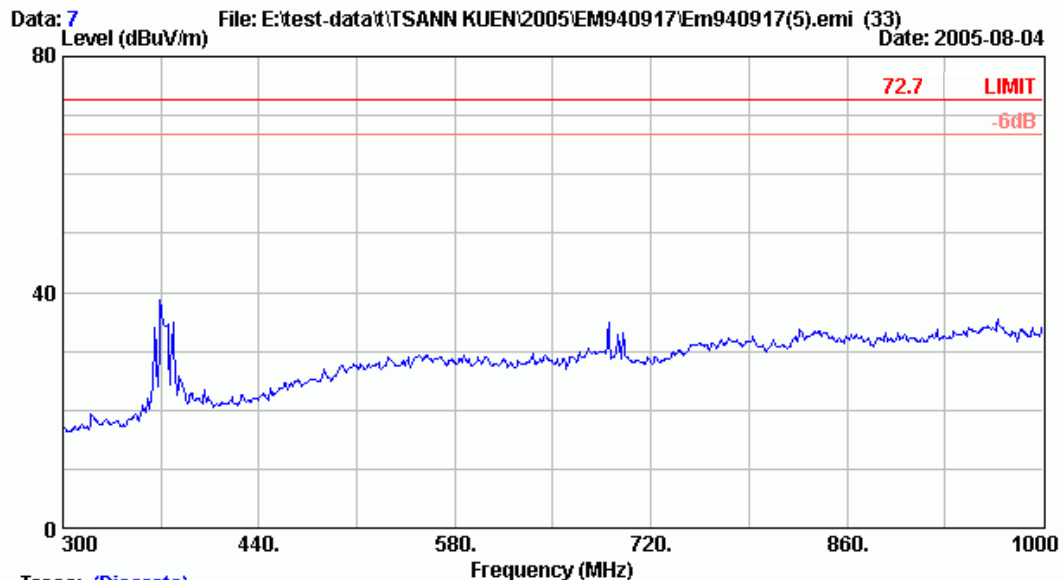


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 11
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Max		
	700 milliliters of waters in the beaker located in the center of the oven		

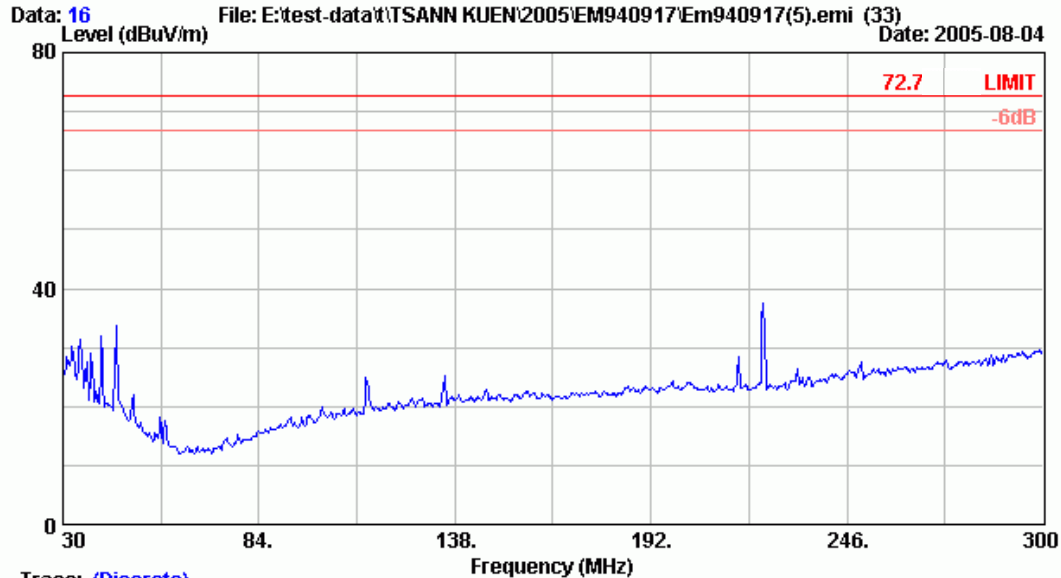


Trace: (Discrete)

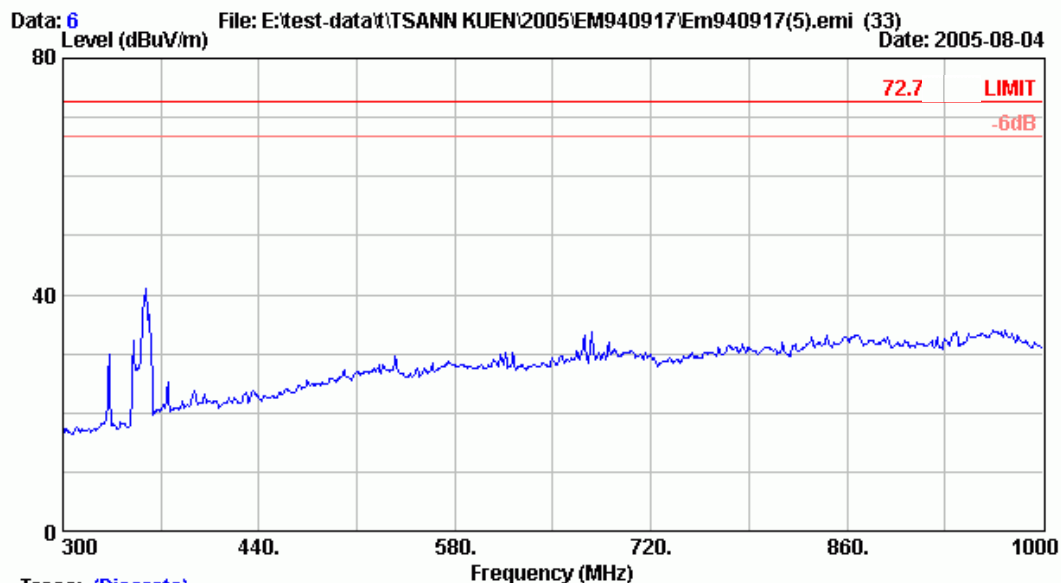
Site no.	: A/C Chamber	Data no.	: 7
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Max		
	700 milliliters of waters in the beaker located in the center of the oven		



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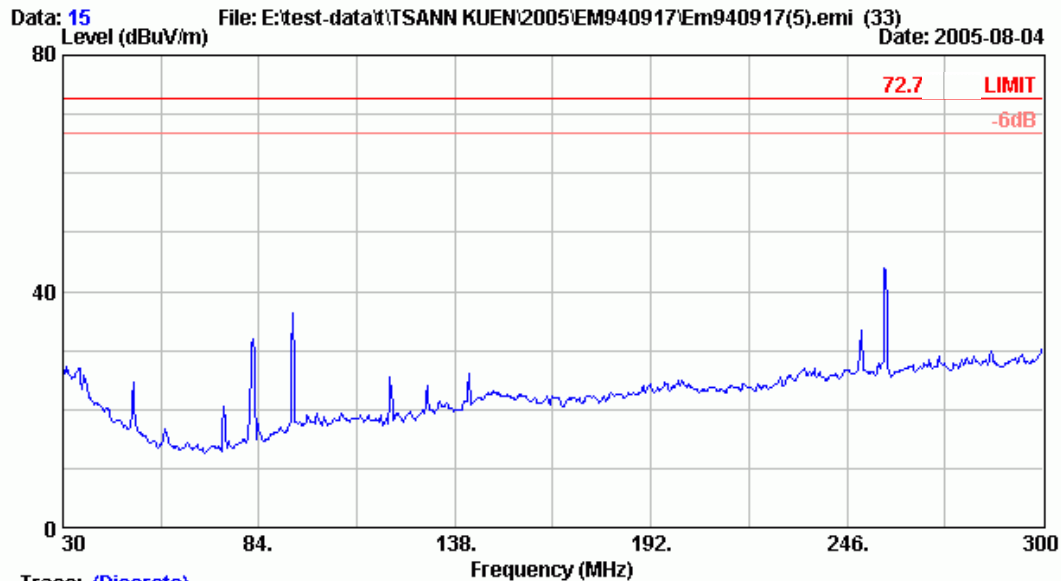
Site no. : A/C Chamber Data no. : 16
 Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL
 Limit : 72.7 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402AMM
 Power Rating : 120Vac/60Hz
 Test Mode : Mid
 700 milliliters of waters in the beaker
 located in the center of the oven



Site no. : A/C Chamber Data no. : 6
 Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL
 Limit : 72.7 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402AMM
 Power Rating : 120Vac/60Hz
 Test Mode : Mid
 700 milliliters of waters in the beaker
 located in the center of the oven



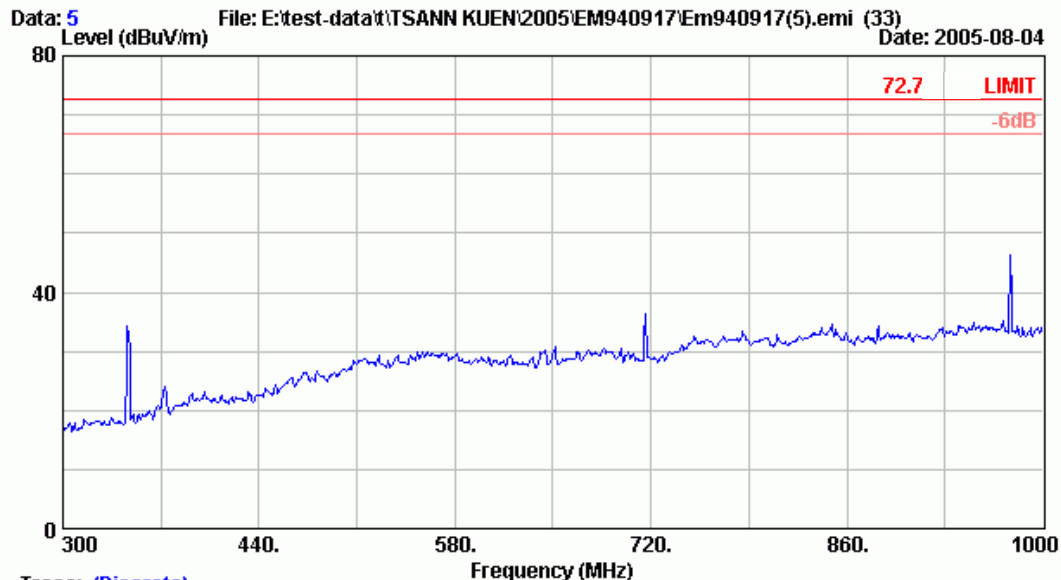
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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 15
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Mid		

700 milliliters of waters in the beaker
located in the center of the oven



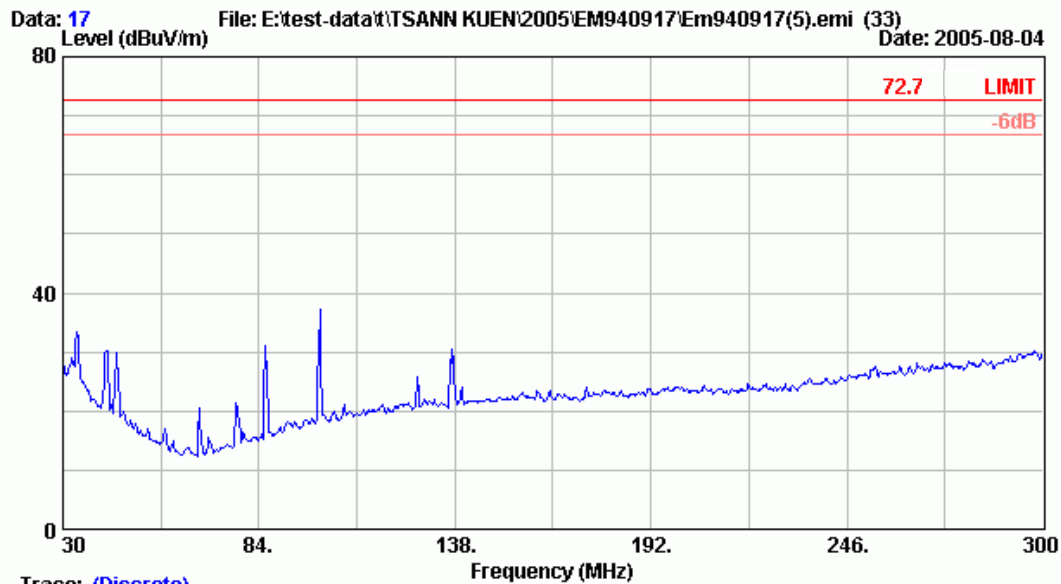
Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 5
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Mid		

700 milliliters of waters in the beaker
located in the center of the oven



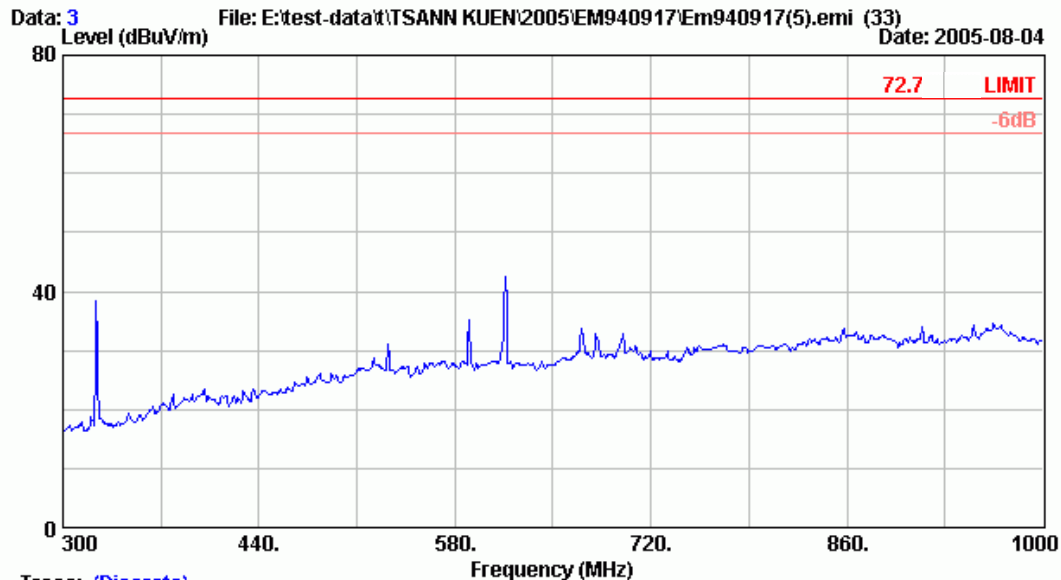
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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 17
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Min		

700 milliliters of waters in the beaker
 located in the center of the oven



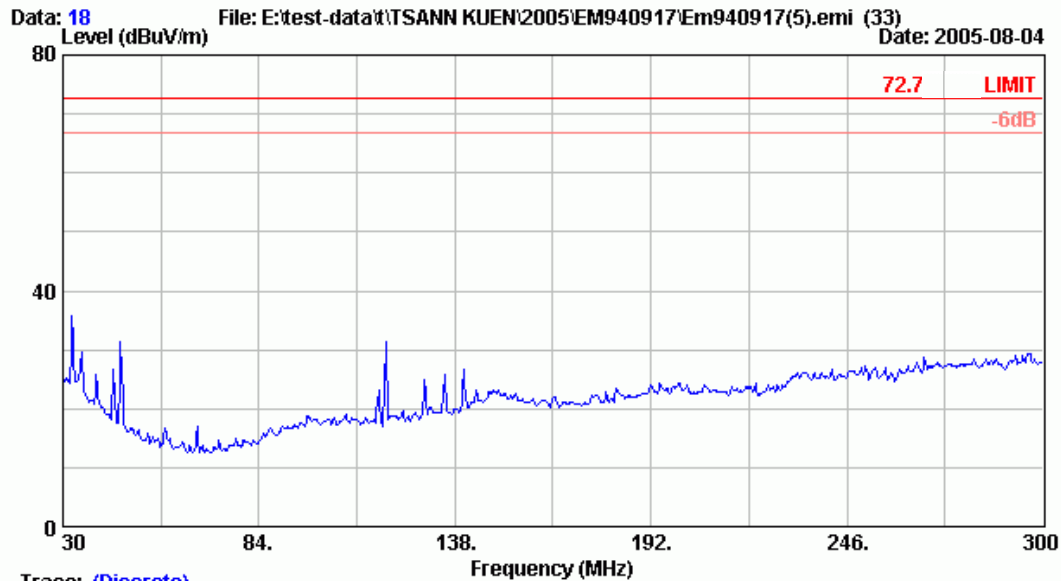
Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 3
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Min		

700 milliliters of waters in the beaker
 located in the center of the oven



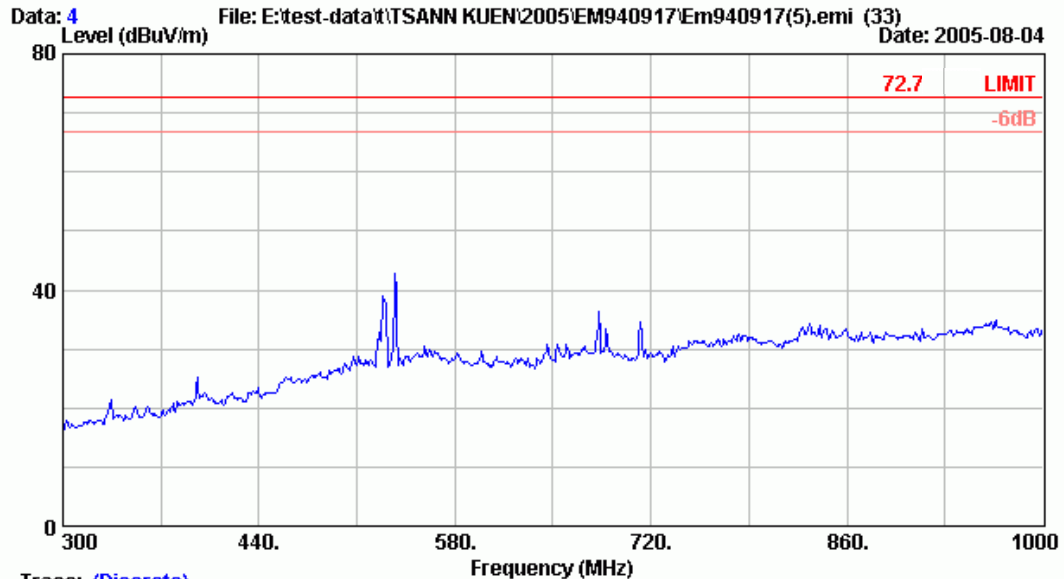
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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 18
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Min		

700 milliliters of waters in the beaker
located in the center of the oven



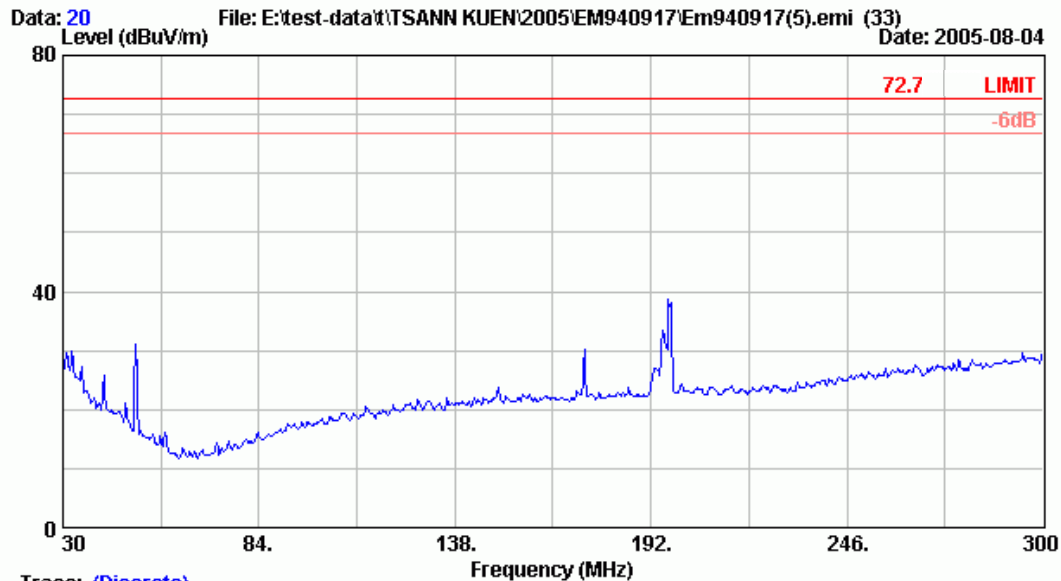
Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 4
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Min		

700 milliliters of waters in the beaker
located in the center of the oven

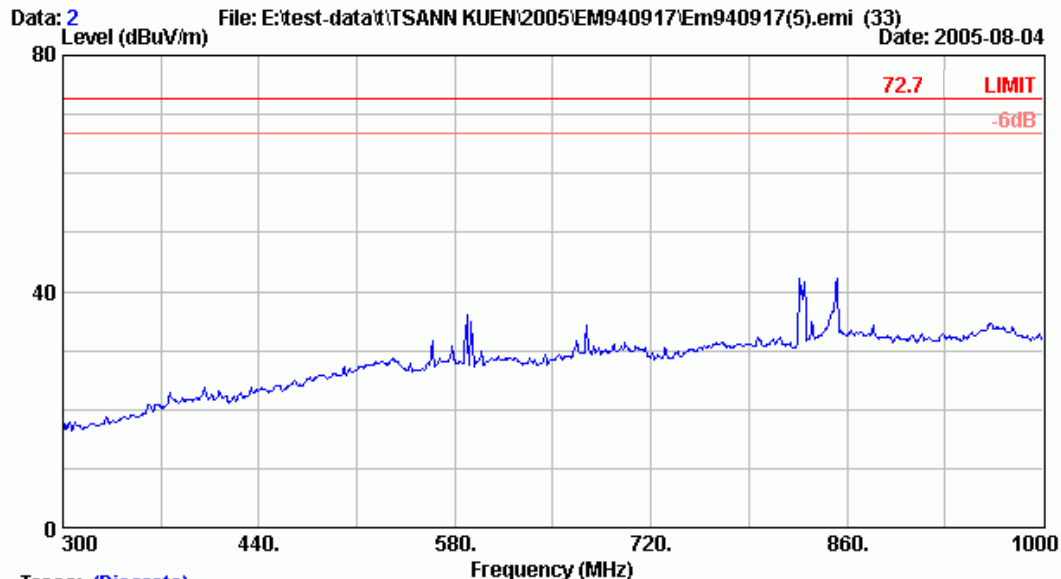


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 20
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Defrost		
	700 milliliters of waters in the beaker located in the center of the oven		

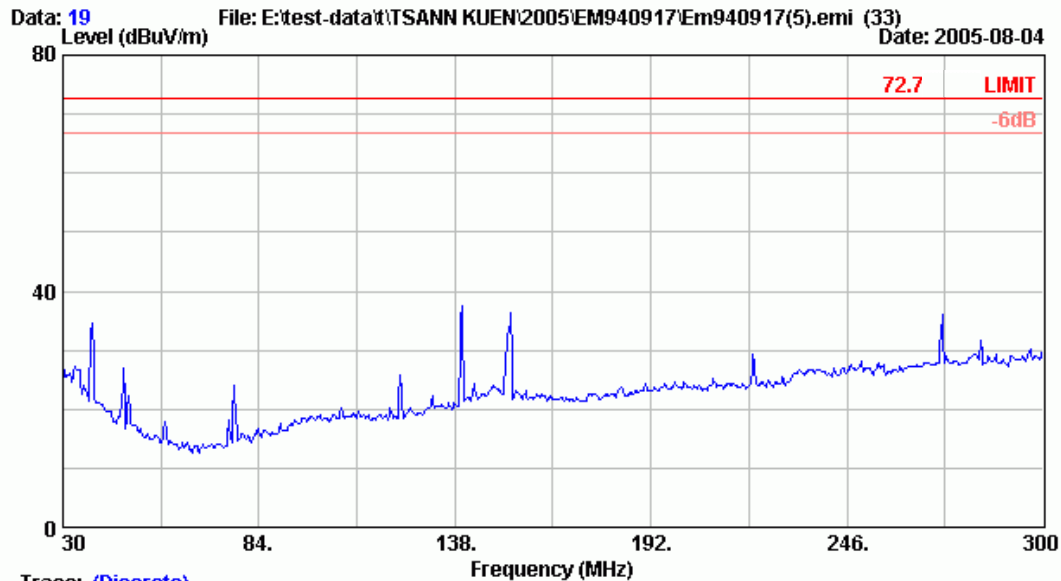


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 2
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Defrost		
	700 milliliters of waters in the beaker located in the center of the oven		

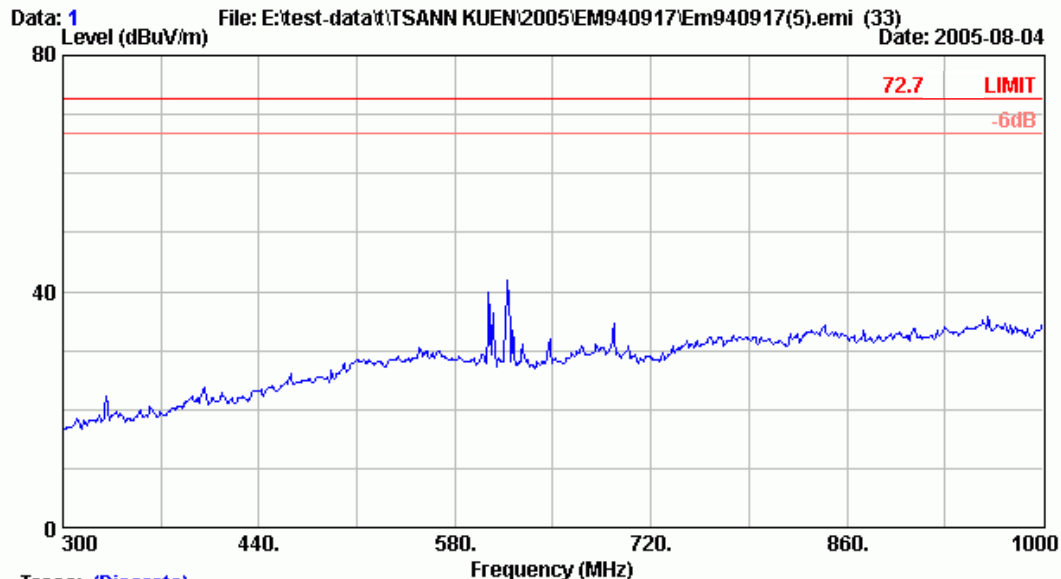


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 19
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Defrost		
	700 milliliters of waters in the beaker located in the center of the oven		

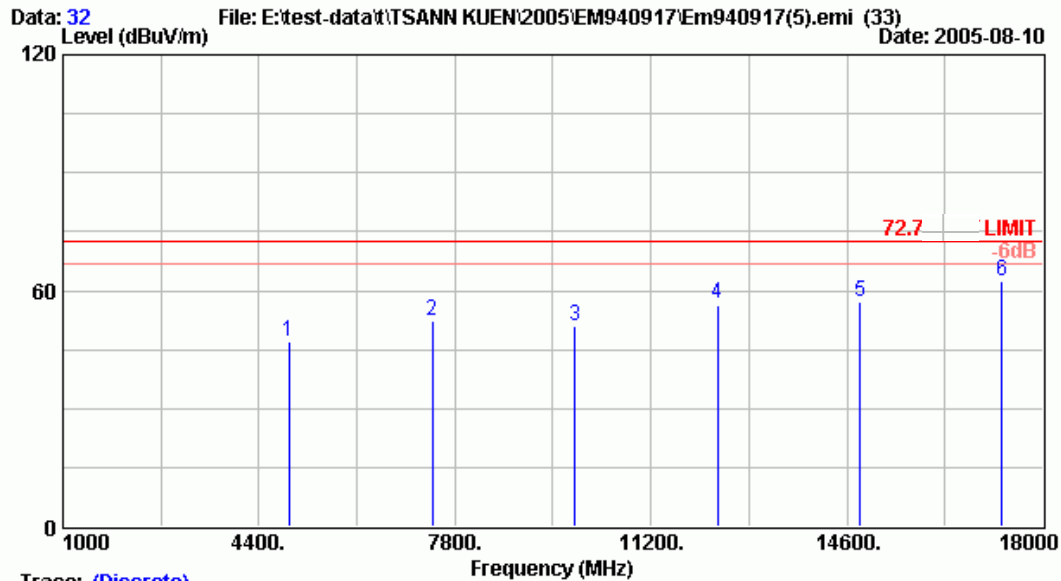


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 1
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402AMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Defrost		
	700 milliliters of waters in the beaker located in the center of the oven		



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Trace: (Discrete)

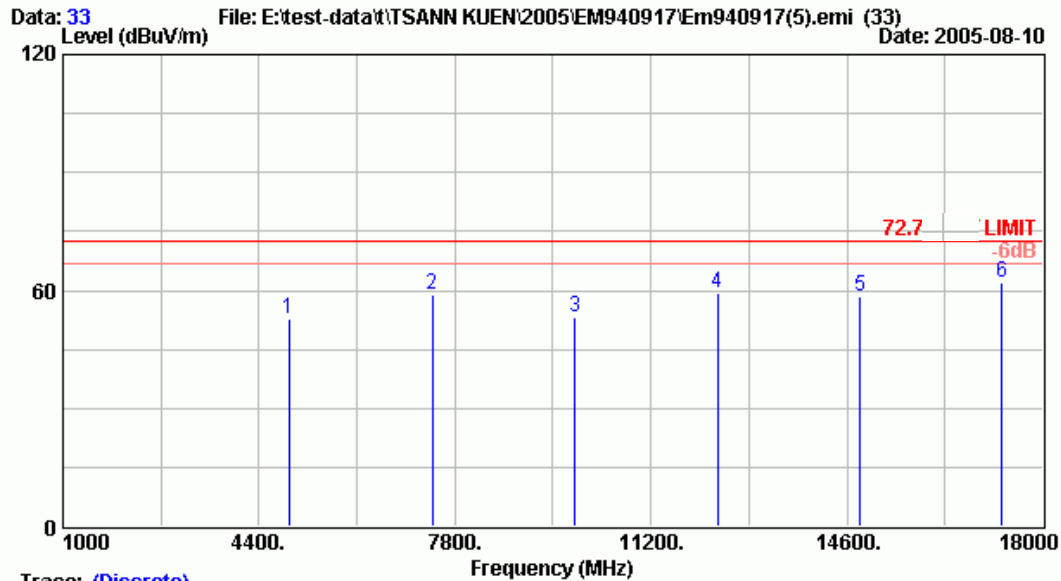
Site no. : A/C Chamber Data no. : 32
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402AMM
Power Rating : 120Vac/60Hz
Test Mode : Max
700 milliliters of waters in the beaker
located in the center of the oven

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1 4914.400	33.89	9.16	3.87	46.92	72.70	25.78	Average
2 7412.100	37.20	11.58	3.62	52.39	72.70	20.31	Average
3 9882.800	38.57	12.89	-0.26	51.19	72.70	21.51	Average
4 12353.500	38.91	15.01	2.81	56.73	72.70	15.97	Average
5 14824.200	38.83	16.90	1.22	56.96	72.70	15.74	Average
6 17294.900	43.96	17.31	0.95	62.22	72.70	10.48	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

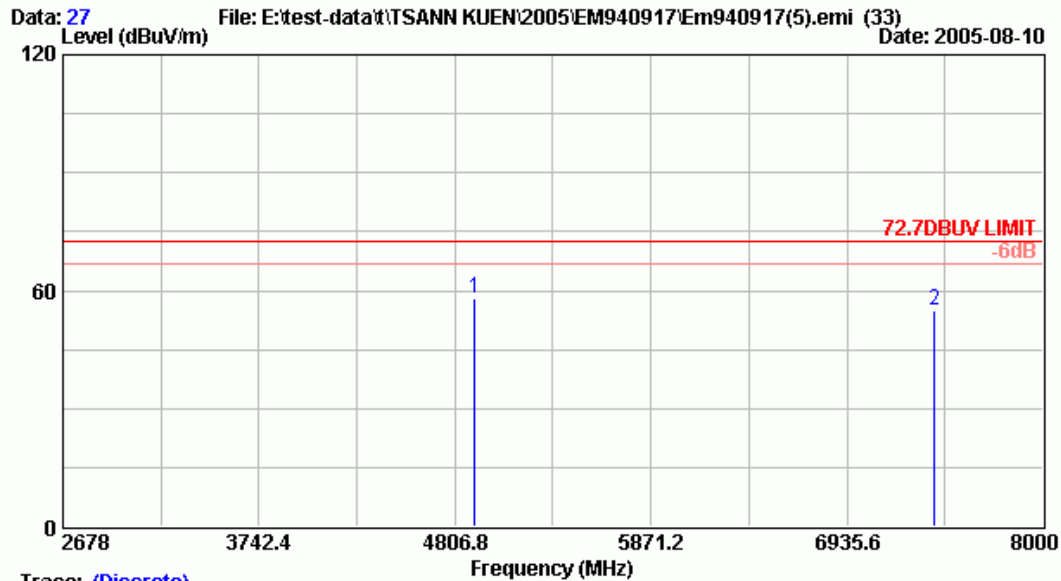
Site no. : A/C Chamber Data no. : 33
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402AMM
Power Rating : 120Vac/60Hz
Test Mode : Max
700 milliliters of waters in the beaker
located in the center of the oven

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1 4914.400	33.89	9.16	9.88	52.93	72.70	19.77	Average
2 7412.100	37.20	11.58	10.32	59.09	72.70	13.61	Average
3 9882.800	38.57	12.89	1.90	53.35	72.70	19.35	Average
4 12353.500	38.91	15.01	5.23	59.15	72.70	13.55	Average
5 14824.200	38.83	16.90	2.63	58.37	72.70	14.33	Average
6 17294.900	43.96	17.31	0.70	61.97	72.70	10.73	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

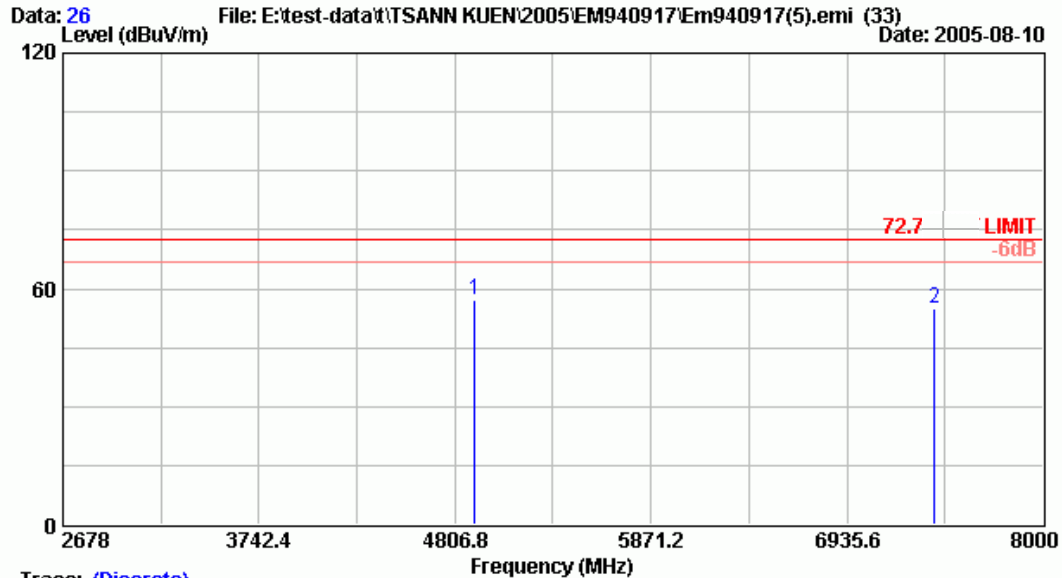
Site no. : A/C Chamber Data no. : 27
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : 72.7 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402AMM
 Power Rating : 120Vac/60Hz
 Test Mode : Max
 700 milliliters of waters in the beaker
 located in the right front corner

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1 4914.400	33.89	9.16	15.05	58.10	72.70	14.60	Average
2 7412.100	37.20	11.58	5.96	54.74	72.70	17.96	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
 2. The emission levels that are 20dB below the official
 limit are not reported.



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Trace: (Discrete)

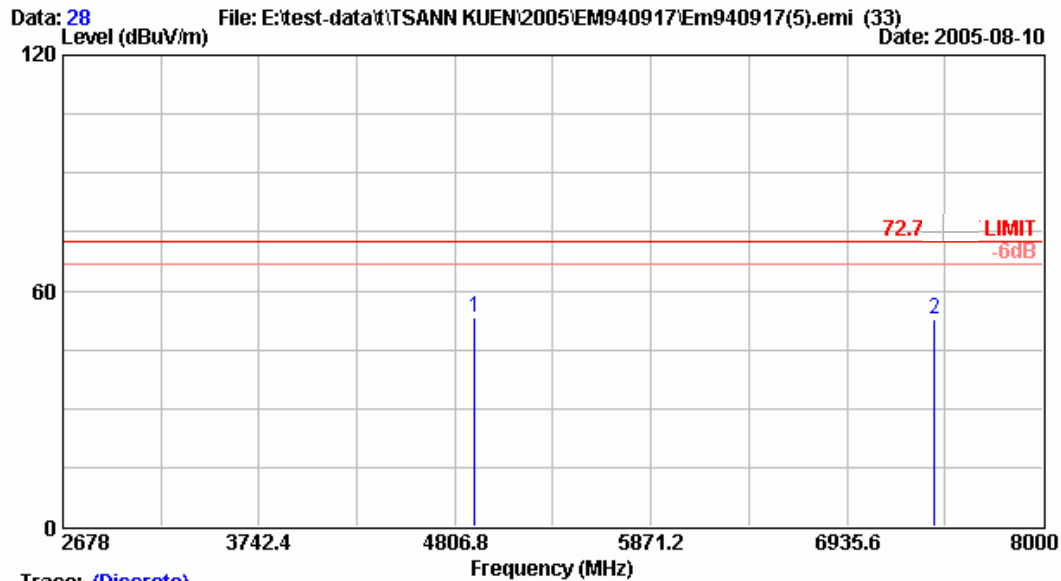
Site no. : A/C Chamber Data no. : 26
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 72.7 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402AMM
 Power Rating : 120Vac/60Hz
 Test Mode : Max
 700 milliliters of waters in the beaker
 located in the right front corner

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4914.400	33.89	9.16	14.22	57.26	72.70	15.44	Average	
2 7412.100	37.20	11.58	6.10	54.88	72.70	17.82	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
 2. The emission levels that are 20dB below the official
 limit are not reported.



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Trace: (Discrete)

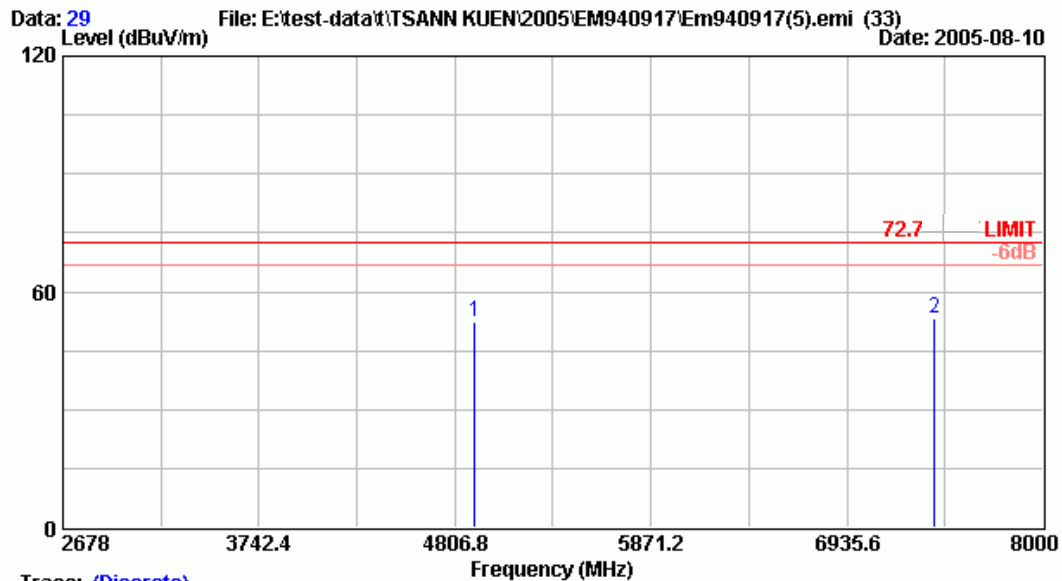
Site no. : A/C Chamber Data no. : 28
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : 72.7 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402AMM
 Power Rating : 120Vac/60Hz
 Test Mode : Max
 300 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4914.400	33.89	9.16	10.01	53.06	72.70	19.64	Average	
2 7412.100	37.20	11.58	4.17	52.95	72.70	19.75	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
 2. The emission levels that are 20dB below the official
 limit are not reported.



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Trace: (Discrete)

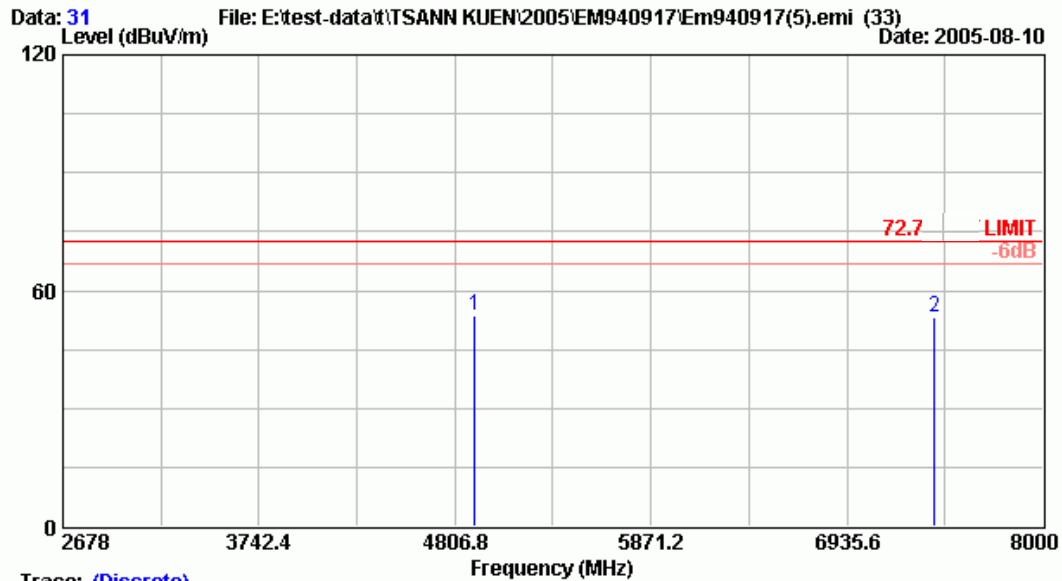
Site no. : A/C Chamber Data no. : 29
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 72.7 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402AMM
 Power Rating : 120Vac/60Hz
 Test Mode : Max
 300 milliliters of waters in the beaker
 located in the center of the oven

Freq. (MHz)	Ant. Cable		Emission		Limits	Margin	Remark
	Factor (dB/m)	Loss (dB)	Reading (dB μ V)	Level (dB μ V/m)			
1 4914.400	33.89	9.16	9.18	52.23	72.70	20.47	Average
2 7412.100	37.20	11.58	4.42	53.19	72.70	19.51	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
 2. The emission levels that are 20dB below the official
 limit are not reported.



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Trace: (Discrete)

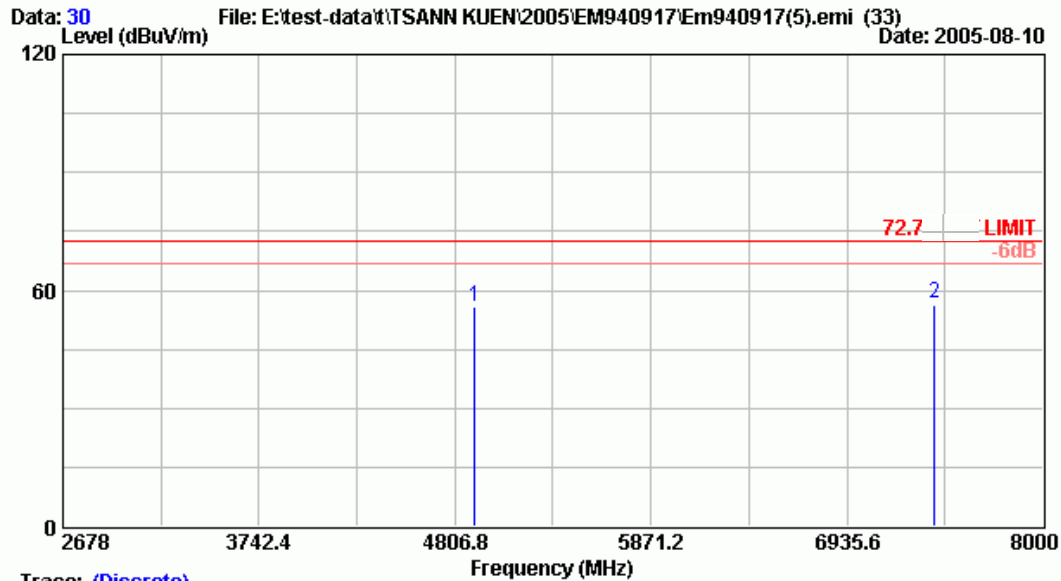
Site no. : A/C Chamber Data no. : 31
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402AMM
Power Rating : 120Vac/60Hz
Test Mode : Max
300 milliliters of waters in the beaker
located in the right front corner

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission		Limits (dB μ V/m)	Margin (dB)	Remark
				Level				
1 4914.400	33.89	9.16	10.57	53.62		72.70	19.08	Average
2 7412.100	37.20	11.58	4.57	53.34		72.70	19.36	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

Site no. : A/C Chamber Data no. : 30
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 72.7 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402AMM
 Power Rating : 120Vac/60Hz
 Test Mode : Max
 300 milliliters of waters in the beaker
 located in the right front corner

		Ant. Cable		Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4914.400	33.89	9.16	12.87	55.92	72.70	16.78	Average	
2 7412.100	37.20	11.58	7.84	56.62	72.70	16.08	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
 2. The emission levels that are 20dB below the official limit are not reported.

7.6.2. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Toshiba, Type No. 2M231CH(EP)-A,

H.V. Transformer : DPC, Type No. EUPA-700A)

EUT with following test modes were measured at Semi-Anechoic Chamber and all the test results are listed in next pages.

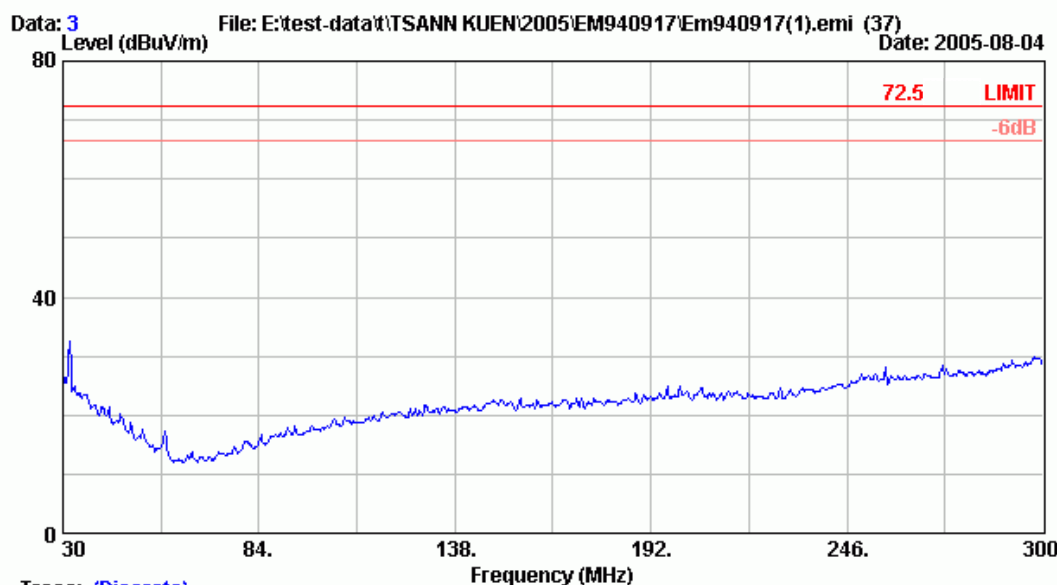
Test Date : Aug. 04, 2005 Temperature : 20°C Humidity : 69%

The details of test mode and reference test data are as follows :

NO.	Frequency range	Test Mode	Reference Test Data No.	
			Horizontal	Vertical
1.	Below 1GHz (30MHz-1GHz)	Load: 700ml, Beaker Location: Center (Popcorn)	# 3, #2	# 4, # 1
2.		Load: 700ml, Beaker Location: Center (Beverage)	# 6, # 7	# 5, # 8
3.		Load: 700ml, Beaker Location: Center (Soup)	# 11, # 10	# 12, # 9
4.		Load: 700ml, Beaker Location: Center (Cass)	# 14, # 15	# 13, # 16
5.		Load: 700ml, Beaker Location: Center (Sing)	# 19, # 18	# 20, # 17
6.		Load: 700ml, Beaker Location: Center (Auto Defrost)	# 22, # 23	# 21, # 24
7.	Above 1GHz (1GHz-25GHz)	Load: 700ml, Beaker Location: Center	# 36	# 37
8.	Above 1GHz. (At second and third harmonics)	Load: 700ml, Beaker Location: Right Front Corner	# 31	# 30
9.		Load: 300ml, Beaker Location: Center	# 35	# 34
10.		Load: 300ml, Beaker Location: Right Front Corner	# 32	# 33

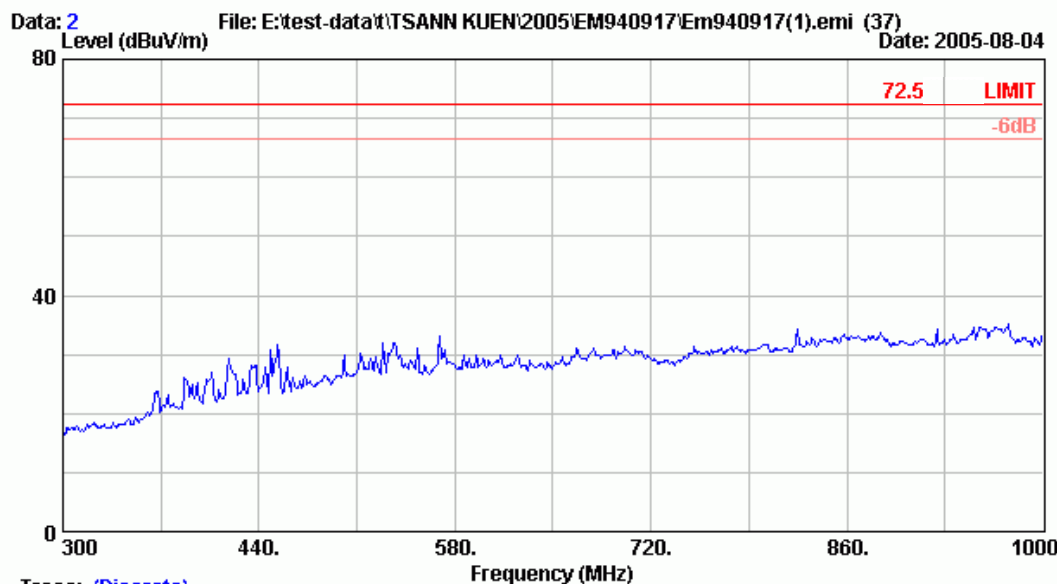


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 3
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Popcorn		
	700 milliliters of waters in the beaker located in the center of the oven		

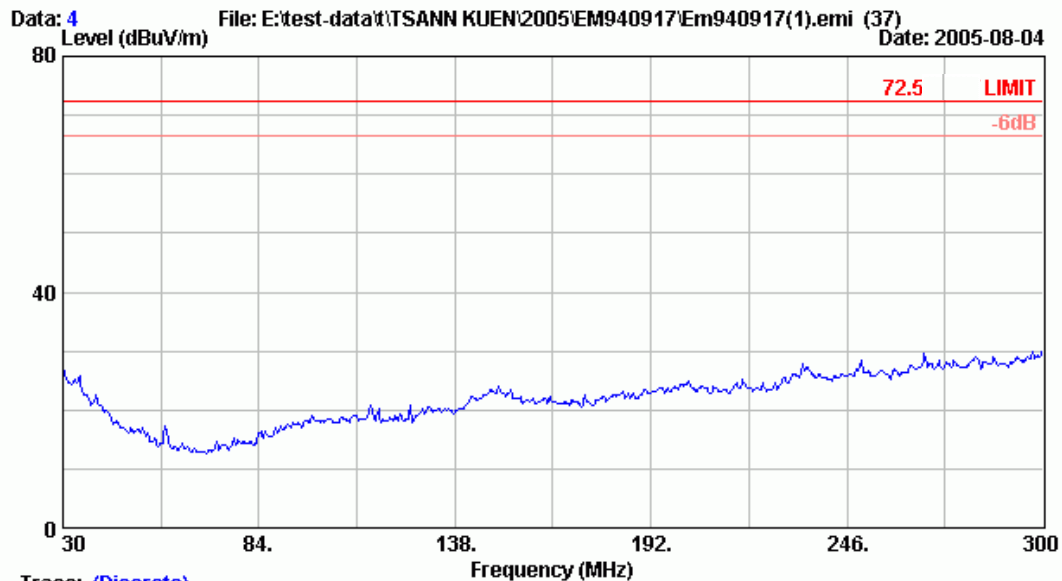


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 2
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Popcorn		
	700 milliliters of waters in the beaker located in the center of the oven		

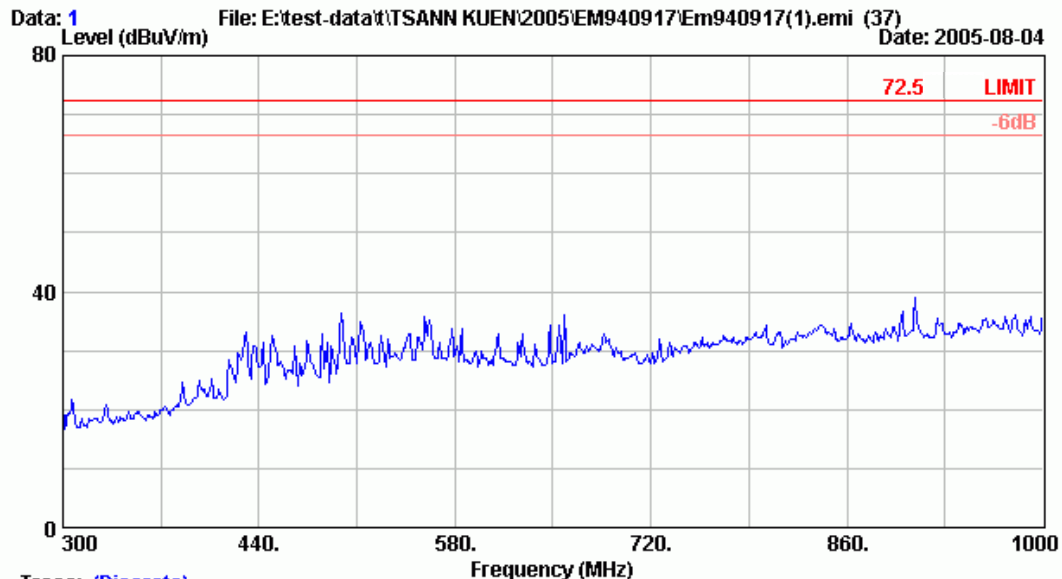


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 4
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Popcorn		
	700 milliliters of waters in the beaker located in the center of the oven		

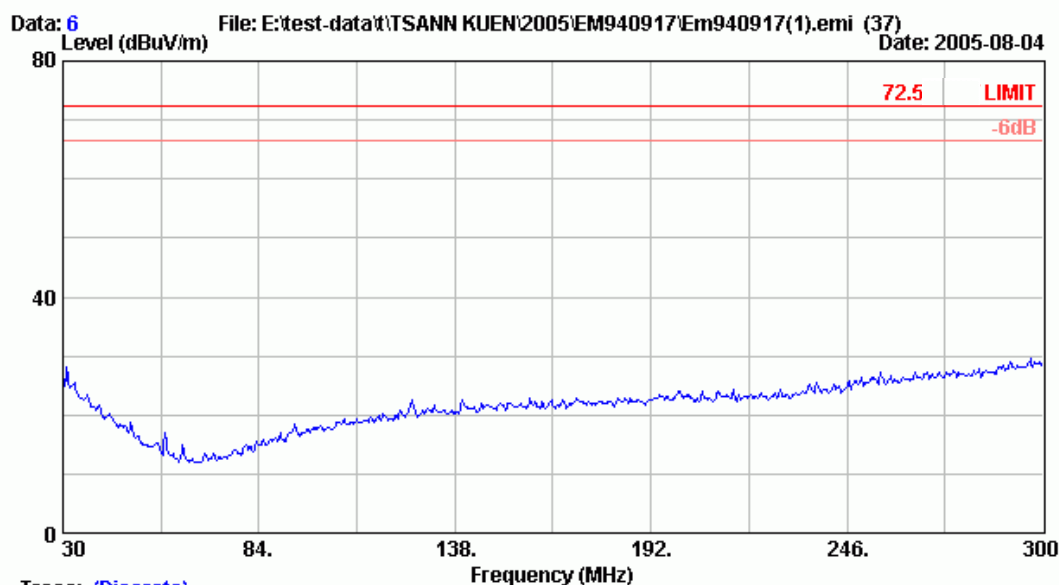


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 1
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Popcorn		
	700 milliliters of waters in the beaker located in the center of the oven		

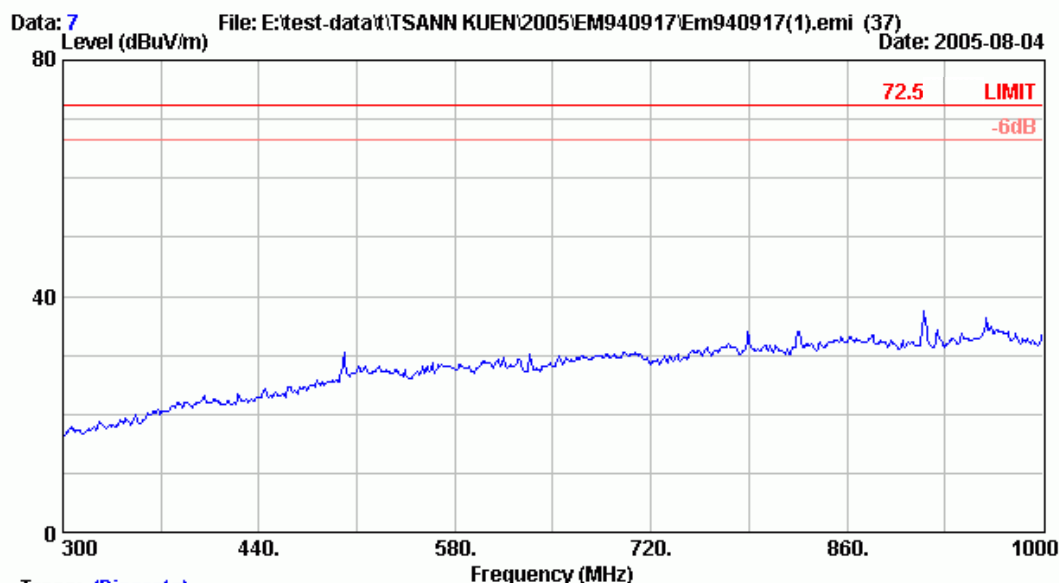


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 6
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Beverage		
	700 milliliters of waters in the beaker located in the center of the oven		

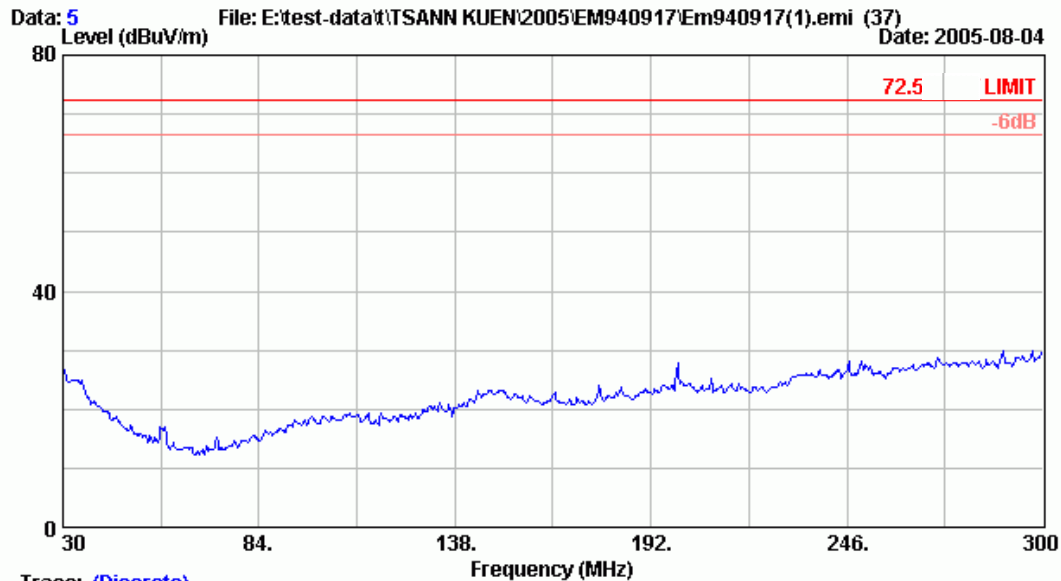


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 7
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Beverage		
	700 milliliters of waters in the beaker located in the center of the oven		

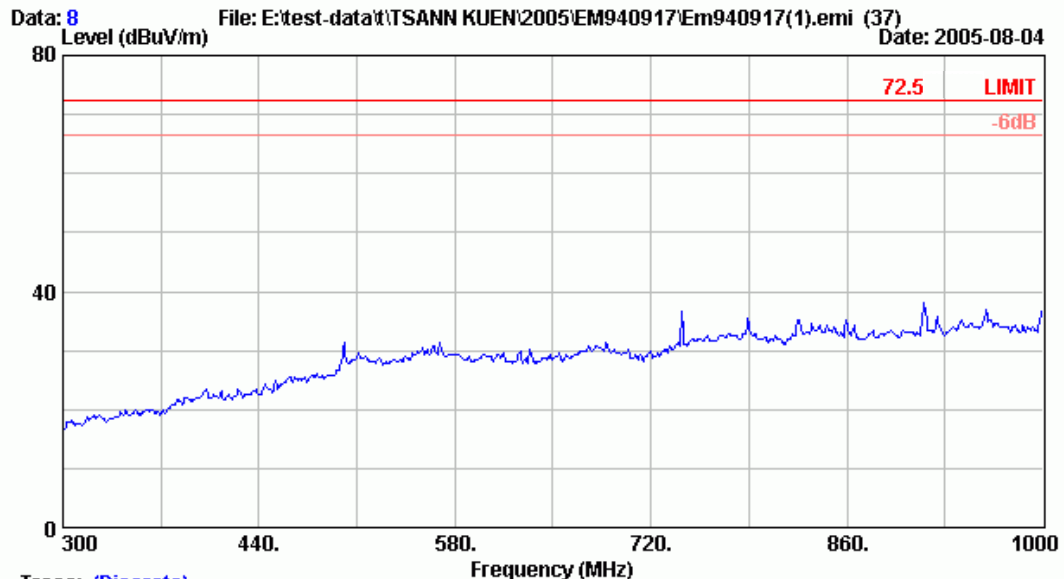


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 5
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Beverage		
	700 milliliters of waters in the beaker located in the center of the oven		



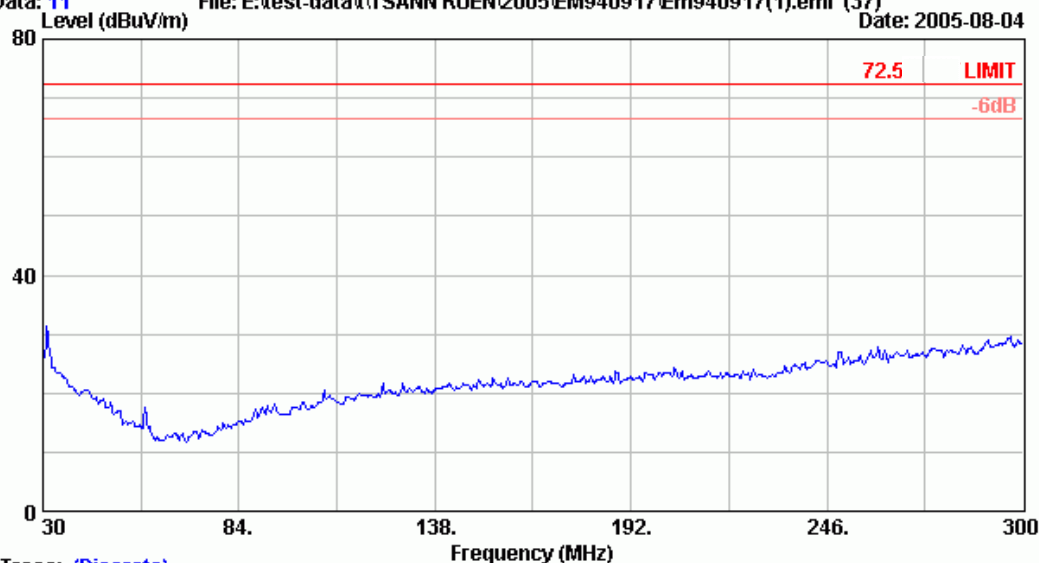
Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 8
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Beverage		
	700 milliliters of waters in the beaker located in the center of the oven		



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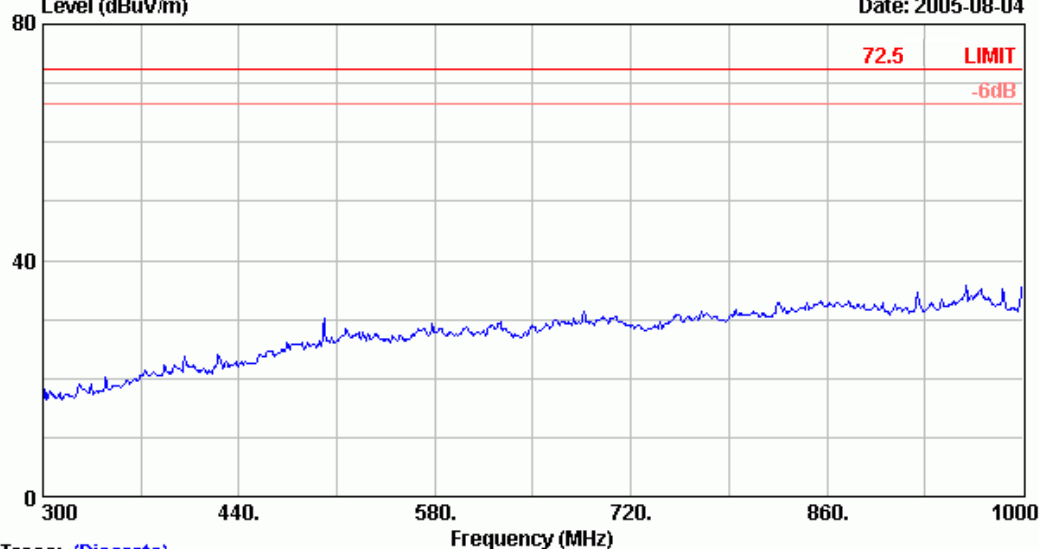
Data: 11 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04



Trace: (Discrete)

Site no. : A/C Chamber Data no. : 11
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL
Limit : 72.5 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Soup
700 milliliters of waters in the beaker
located in the center of the oven

Data: 10 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04

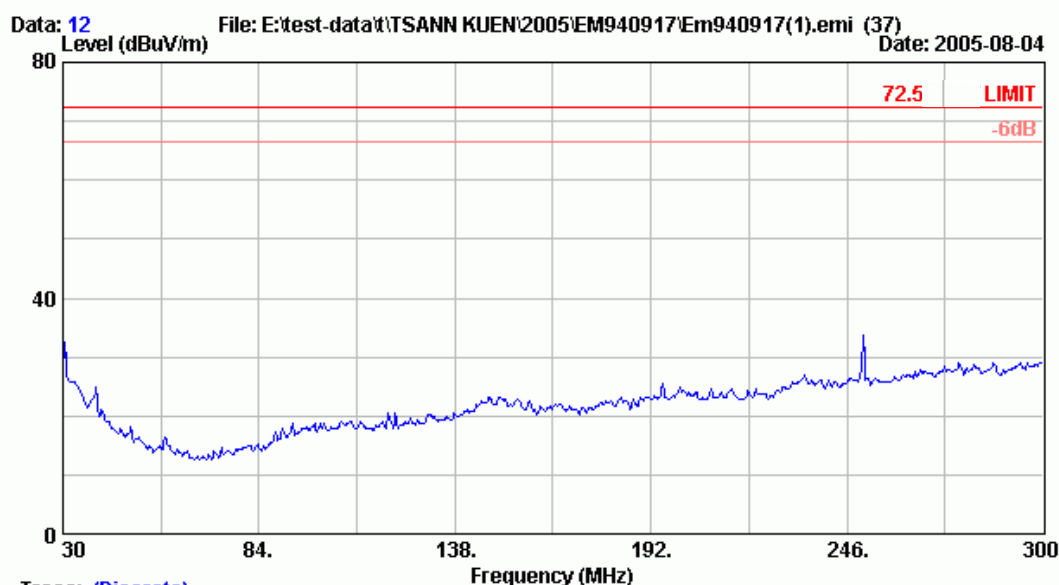


Trace: (Discrete)

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL
Limit : 72.5 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Soup
700 milliliters of waters in the beaker
located in the center of the oven

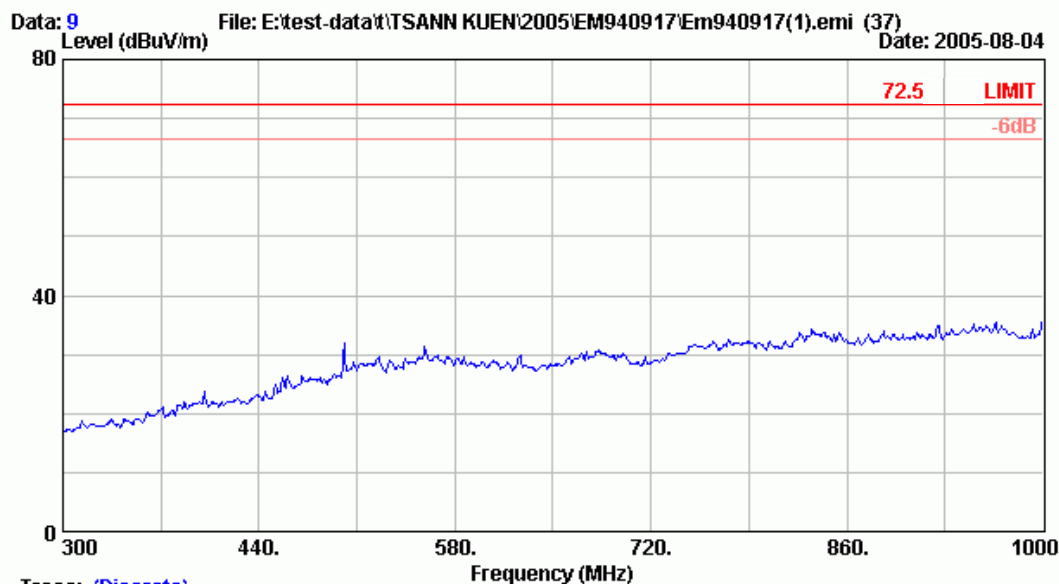


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 12
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Soup		
	700 milliliters of waters in the beaker located in the center of the oven		



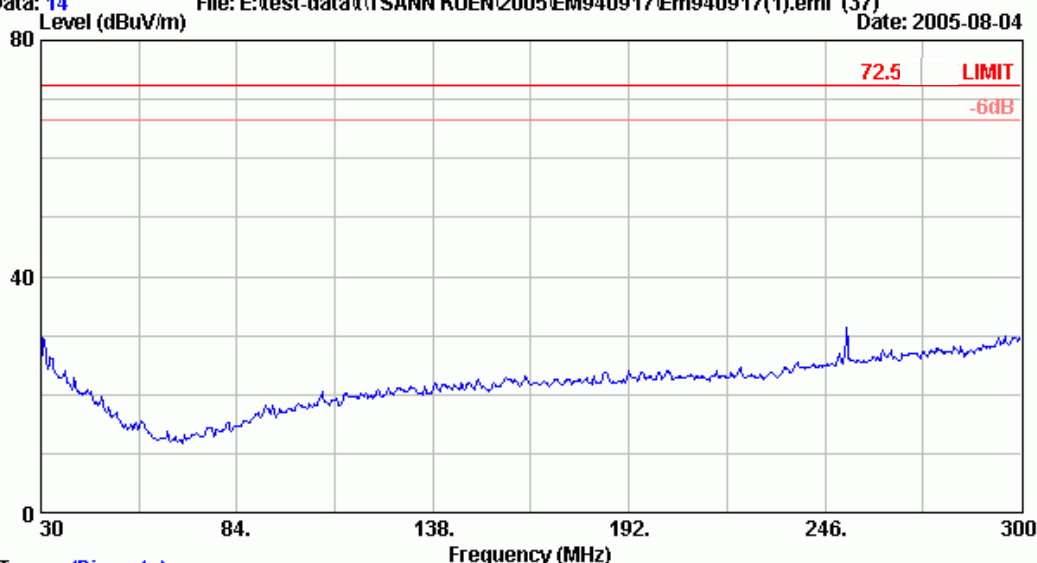
Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 9
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Soup		
	700 milliliters of waters in the beaker located in the center of the oven		



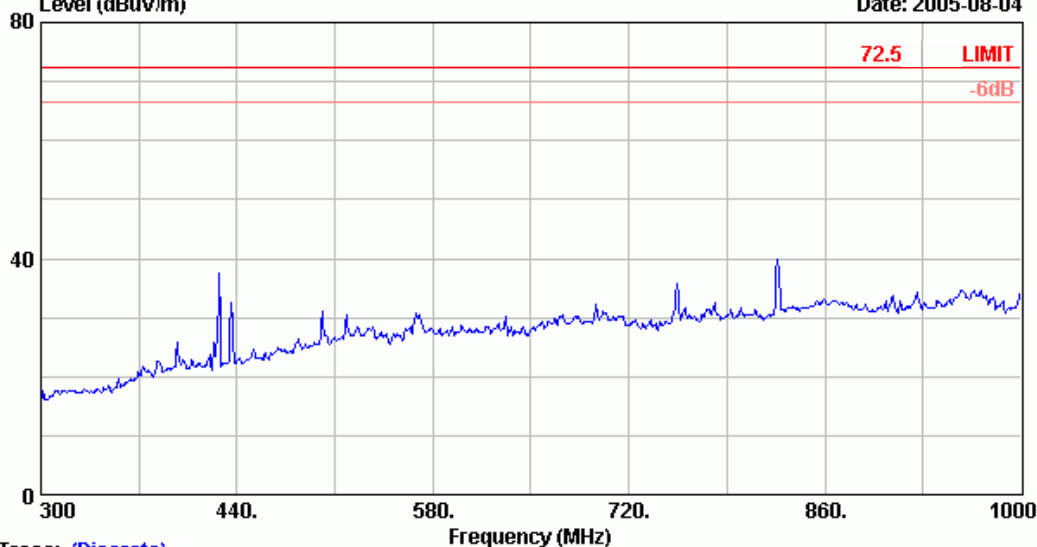
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Data: 14 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 14
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL
Limit : 72.5 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Cass
700 milliliters of waters in the beaker
located in the center of the oven

Data: 15 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04

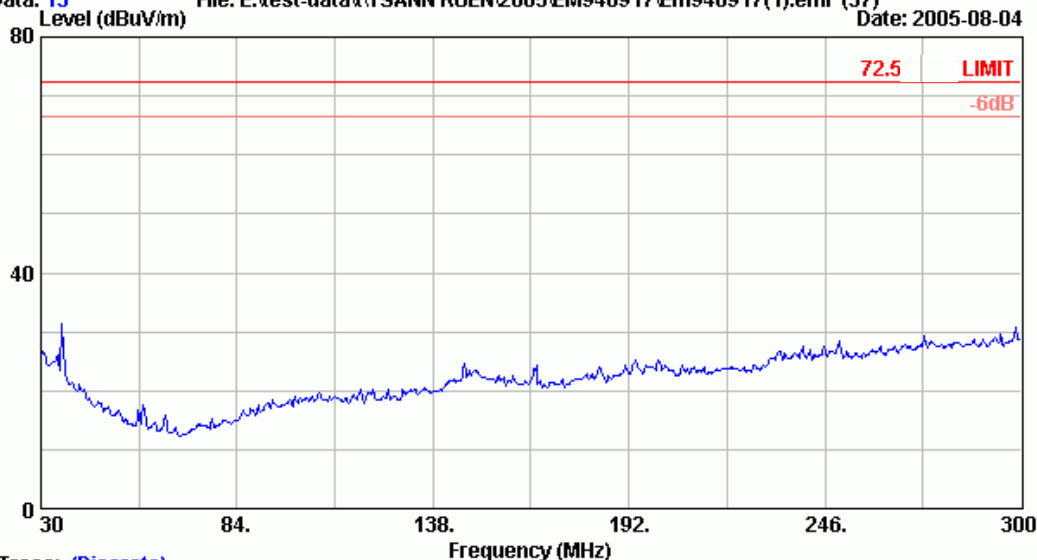


Site no. : A/C Chamber Data no. : 15
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL
Limit : 72.5 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Cass
700 milliliters of waters in the beaker
located in the center of the oven



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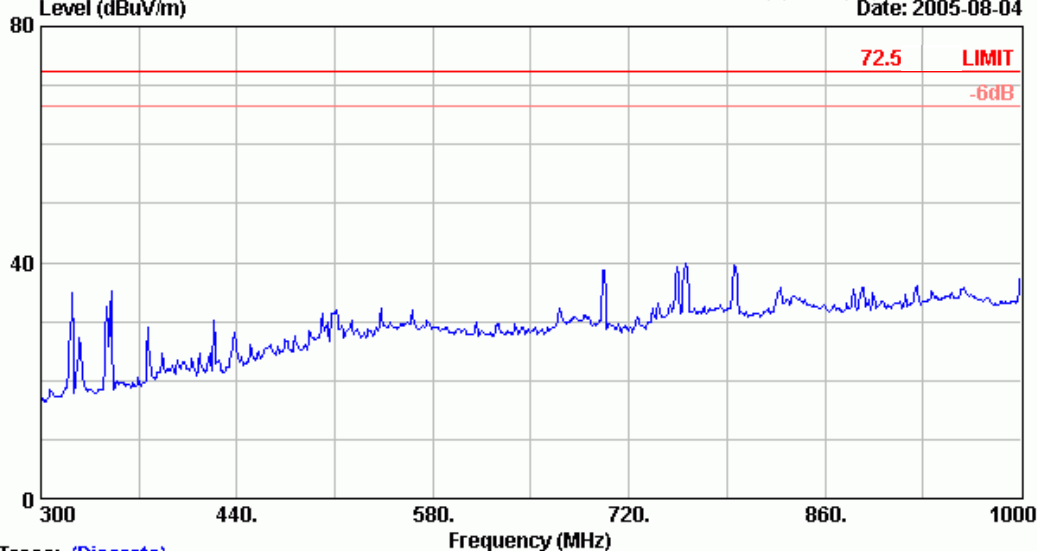
Data: 13 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04



Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 13
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Cass		
	700 milliliters of waters in the beaker located in the center of the oven		

Data: 16 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04

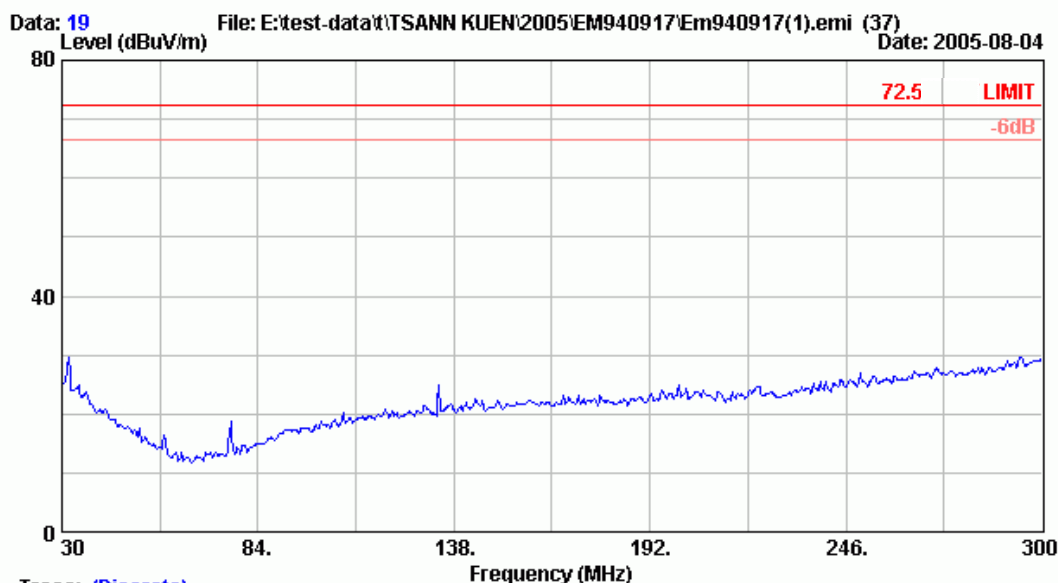


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 16
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Cass		
	700 milliliters of waters in the beaker located in the center of the oven		

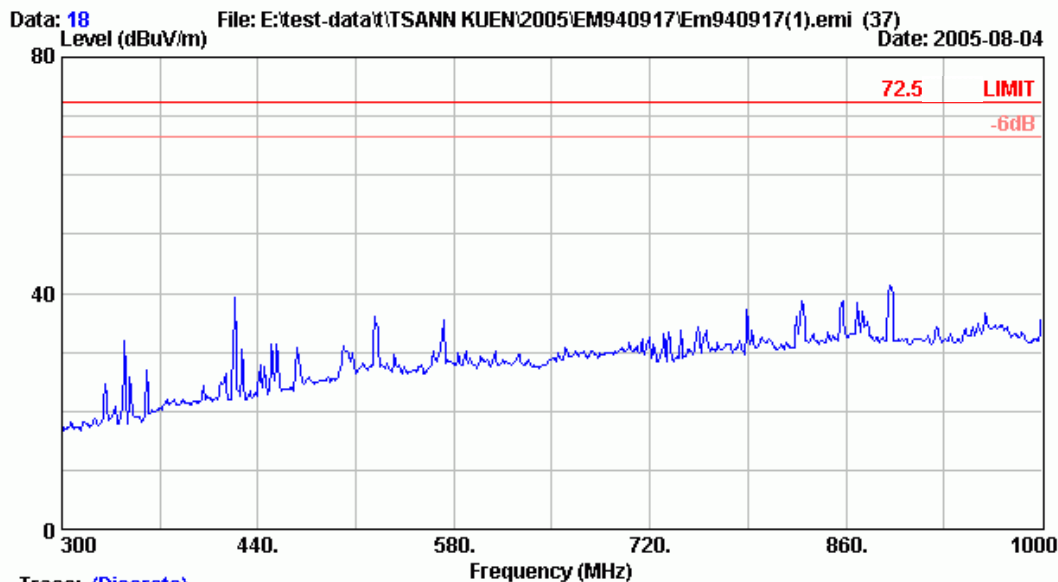


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 19
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.5D dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Sing		
	700 milliliters of waters in the beaker located in the center of the oven		

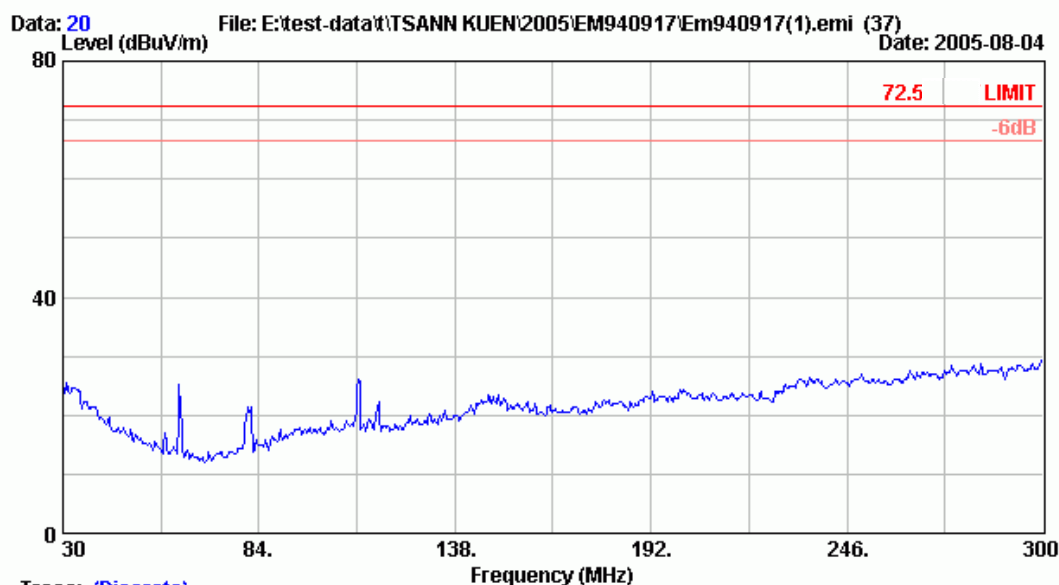


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 18
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Sing		
	700 milliliters of waters in the beaker located in the center of the oven		

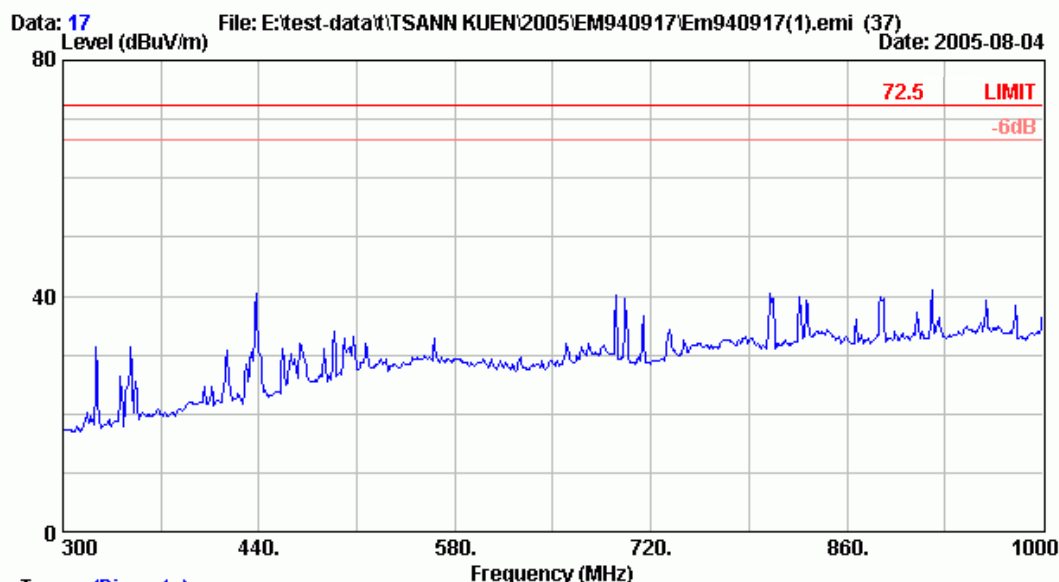


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 20
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Sing		
	700 milliliters of waters in the beaker located in the center of the oven		



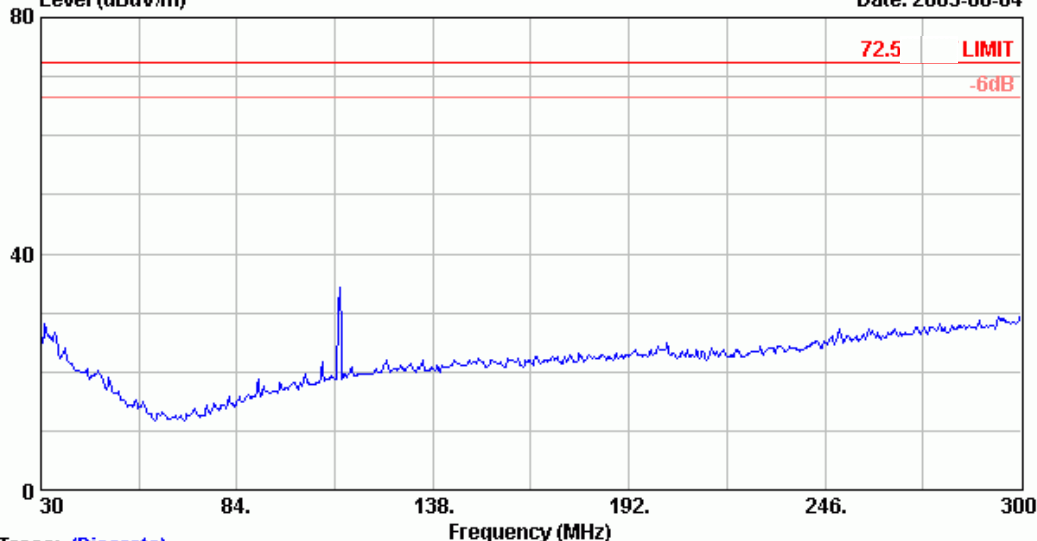
Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 17
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Sing		
	700 milliliters of waters in the beaker located in the center of the oven		



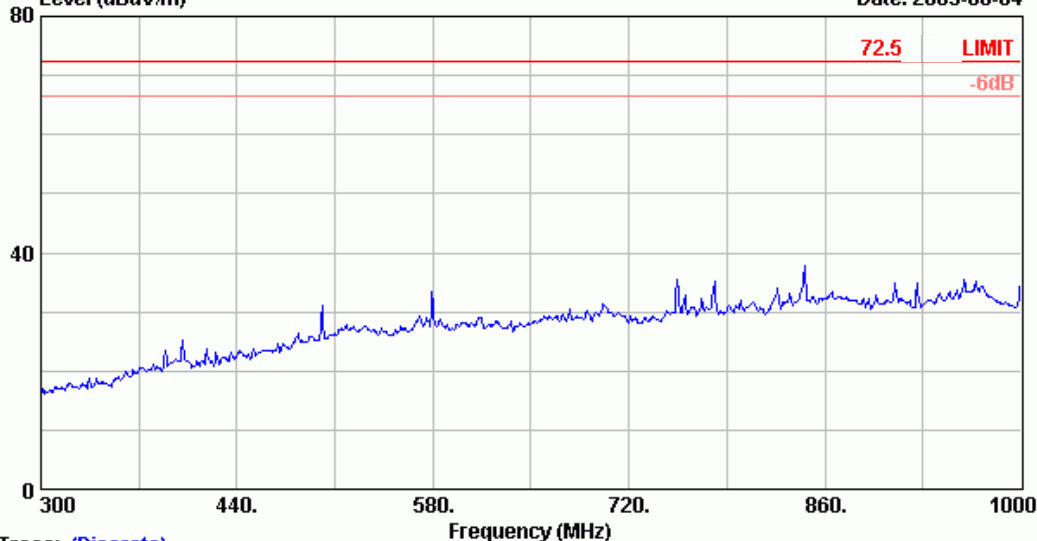
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Data: 22 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 22
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL
Limit : 72.5 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Auto Defrost
700 milliliters of waters in the beaker
located in the center of the oven

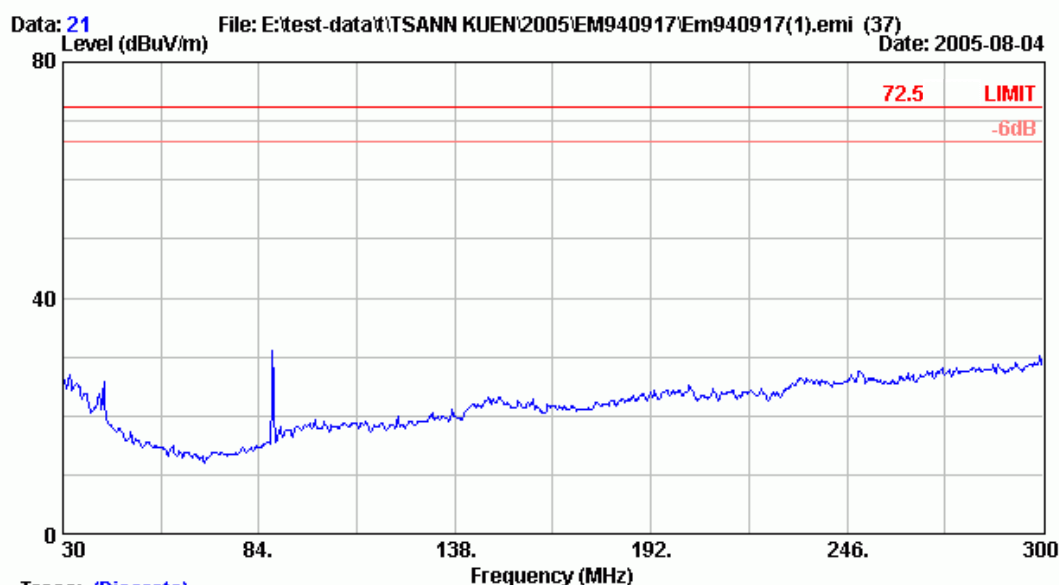
Data: 23 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 23
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL
Limit : 72.5 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Auto Defrost
700 milliliters of waters in the beaker
located in the center of the oven

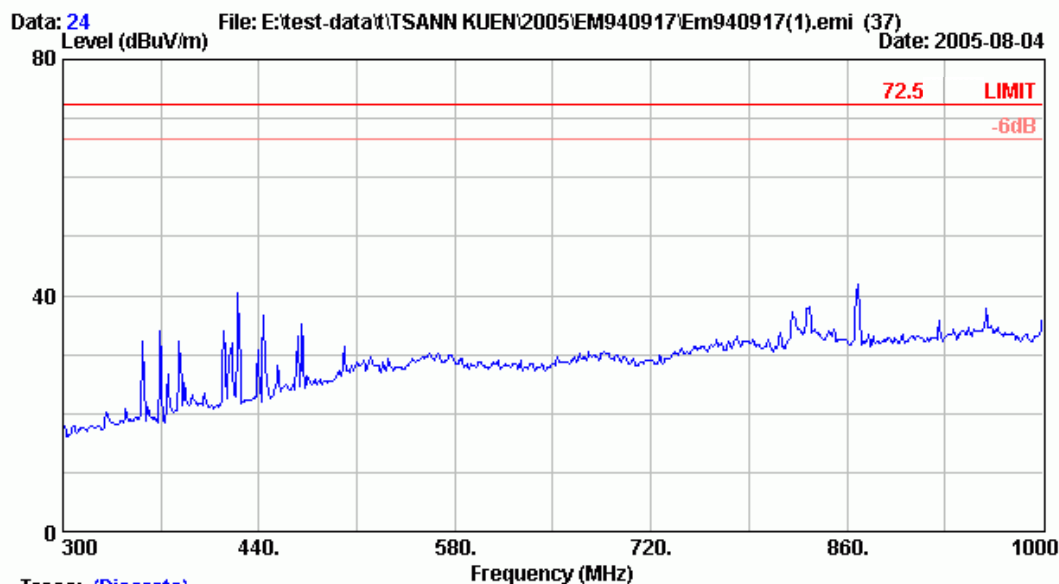


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 21
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Auto Defrost		
	700 milliliters of waters in the beaker		
	located in the center of the oven		

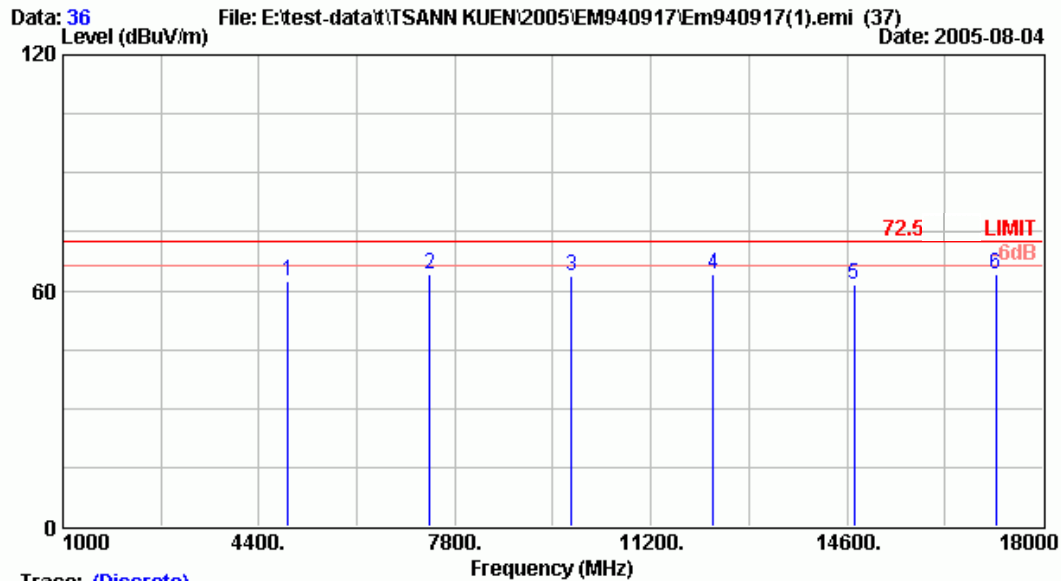


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 24
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.5 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Auto Defrost		
	700 milliliters of waters in the beaker		
	located in the center of the oven		



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Trace: (Discrete)

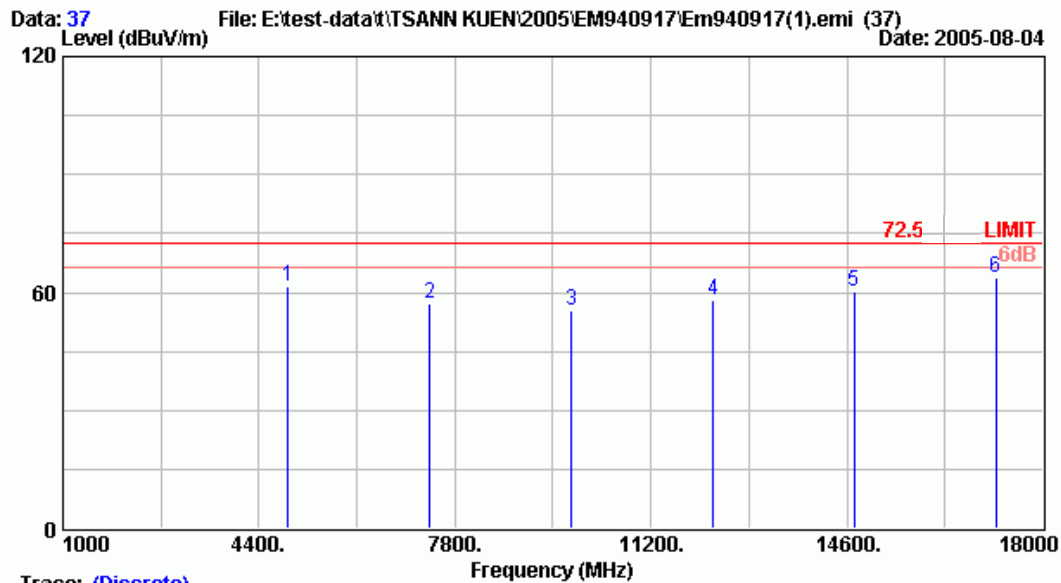
Site no. : A/C Chamber Data no. : 36
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : 72.5 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Max
700 milliliters of waters in the beaker
located in the center of the oven

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1 4910.200	33.89	9.16	19.16	62.21	72.50	10.29	Average
2 7365.300	37.10	11.51	15.46	64.07	72.50	8.43	Average
3 9821.200	38.47	12.91	12.48	63.86	72.50	8.64	Average
4 12275.500	38.87	15.00	10.37	64.24	72.50	8.26	Average
5 14730.600	39.20	16.82	5.62	61.63	72.50	10.87	Average
6 17185.700	43.34	17.16	3.66	64.16	72.50	8.34	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

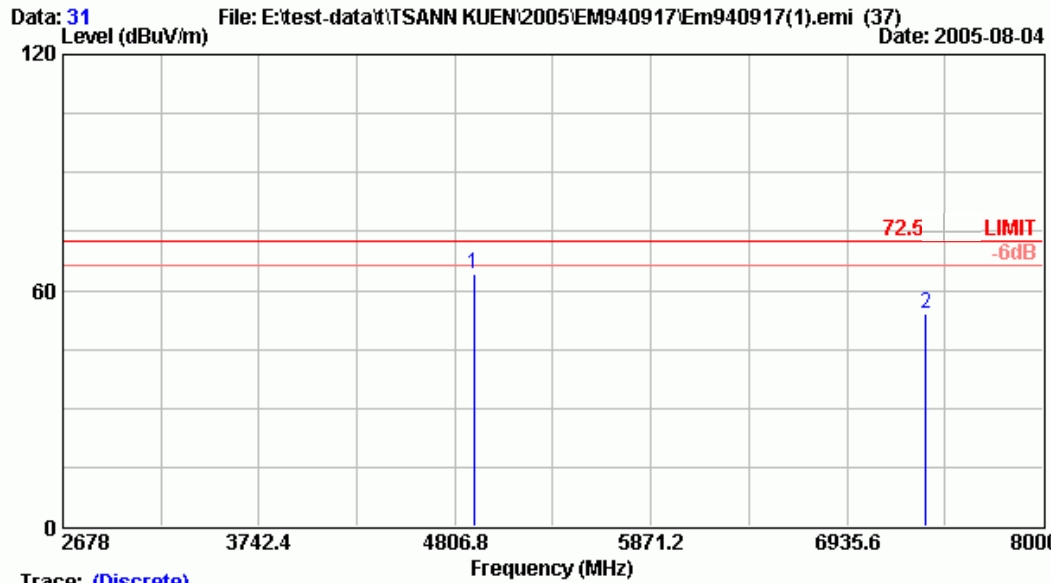
Site no. : A/C Chamber Data no. : 37
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 72.5 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402EMM
 Power Rating : 120Vac/60Hz
 Test Mode : Max
 700 milliliters of waters in the beaker
 located in the center of the oven

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1 4910.200	33.89	9.16	18.47	61.52	72.50	10.98	Average
2 7365.300	37.10	11.51	8.57	57.18	72.50	15.32	Average
3 9821.200	38.47	12.91	3.94	55.32	72.50	17.18	Average
4 12275.500	38.87	15.00	4.35	58.22	72.50	14.28	Average
5 14730.600	39.20	16.82	4.33	60.35	72.50	12.15	Average
6 17185.700	43.34	17.16	3.05	63.56	72.50	8.94	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
 2. The emission levels that are 20dB below the official
 limit are not reported.



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Trace: (Discrete)

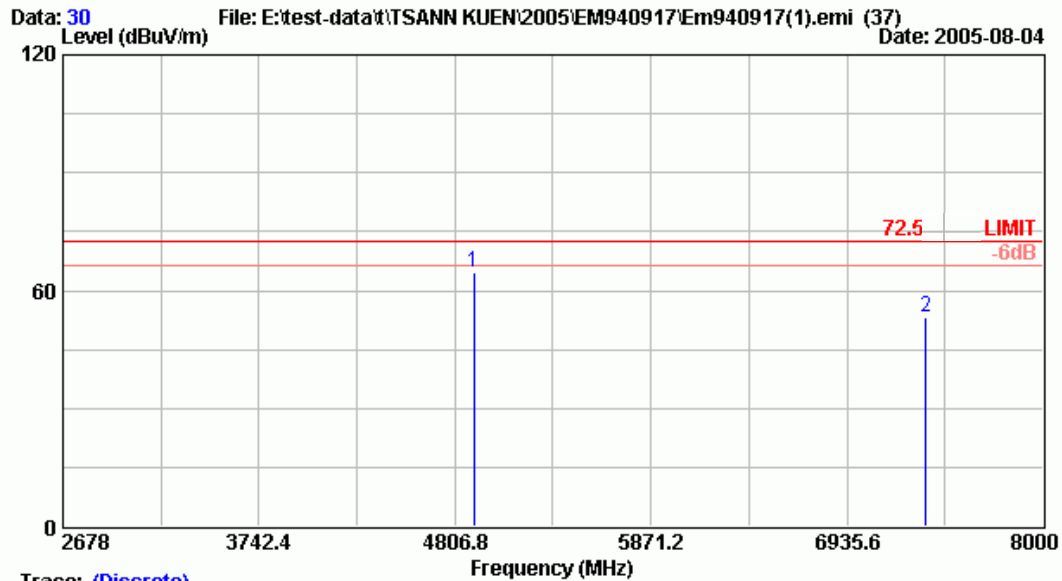
Site no. : A/C Chamber Data no. : 31
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : 72.5 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Max
700 milliliters of waters in the beaker
located in the right front corner

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1	4910.200	33.89	9.16	21.05	64.10	72.50	8.40	Average
2	7365.300	37.10	11.51	5.37	53.98	72.50	18.52	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

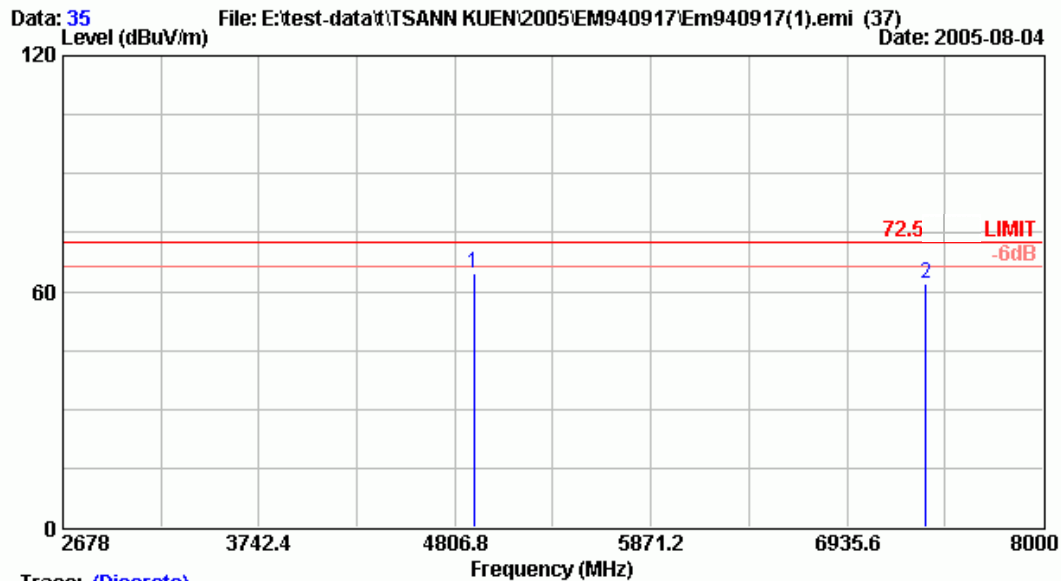
Site no. : A/C Chamber Data no. : 30
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : 72.5 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Max
700 milliliters of waters in the beaker
located in the right front corner

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission		Limits (dB μ V/m)	Margin (dB)	Remark
				Level				
1 4910.200	33.89	9.16	21.45	64.50		72.50	8.00	Average
2 7365.300	37.10	11.51	4.75	53.35		72.50	19.15	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

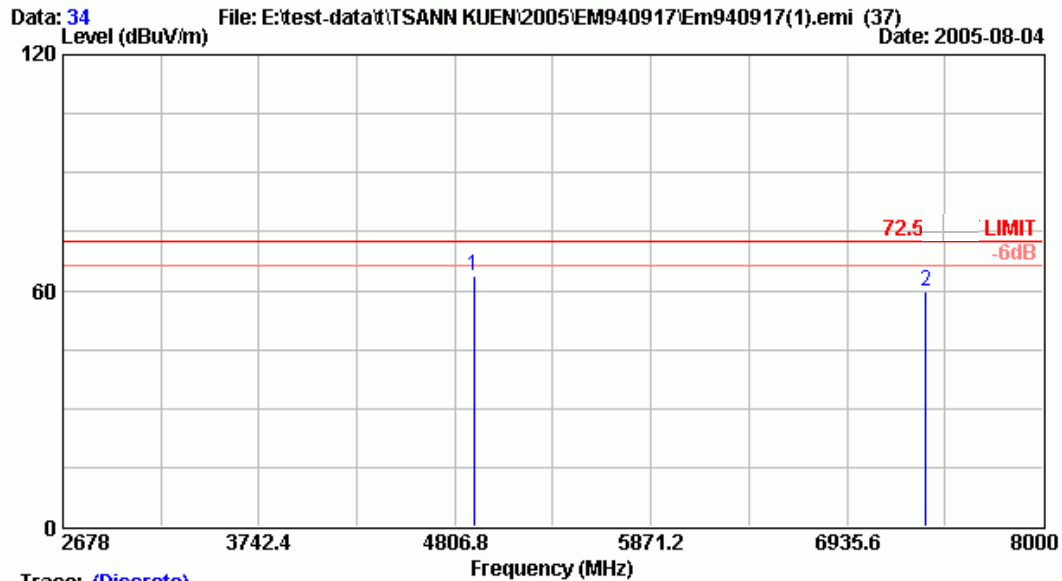
Site no. : A/C Chamber Data no. : 35
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : 72.5 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Max
300 milliliters of waters in the beaker
located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4910.200	33.89	9.16	21.75	64.80	72.50	7.70	Average	
2 7365.300	37.10	11.51	13.46	62.07	72.50	10.43	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

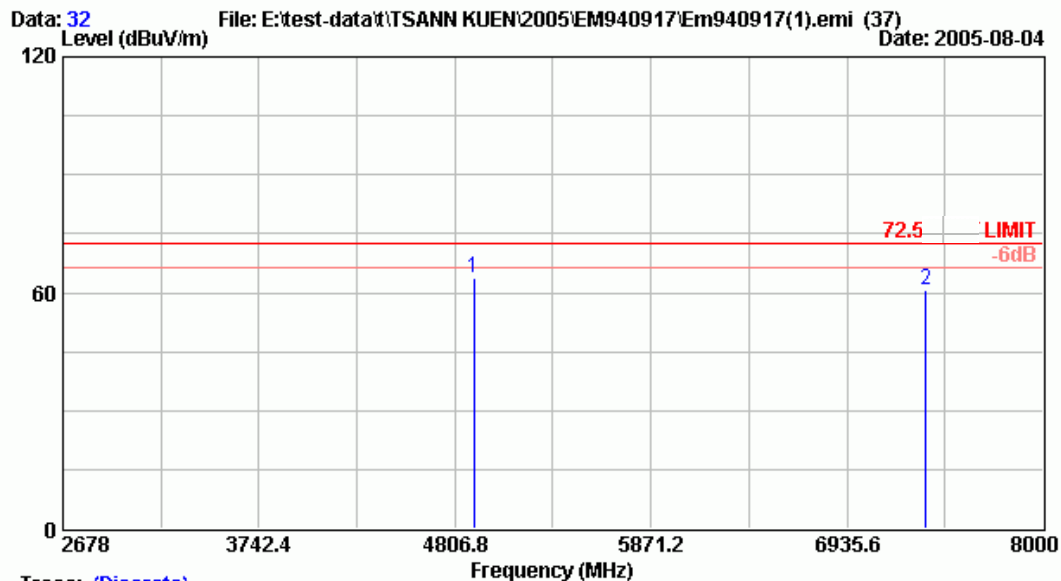
Site no. : A/C Chamber Data no. : 34
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : 72.5 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Max
300 milliliters of waters in the beaker
located in the center of the oven

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1 4910.200	33.89	9.16	20.85	63.90	72.50	8.60	Average
2 7365.300	37.10	11.51	11.16	59.77	72.50	12.73	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

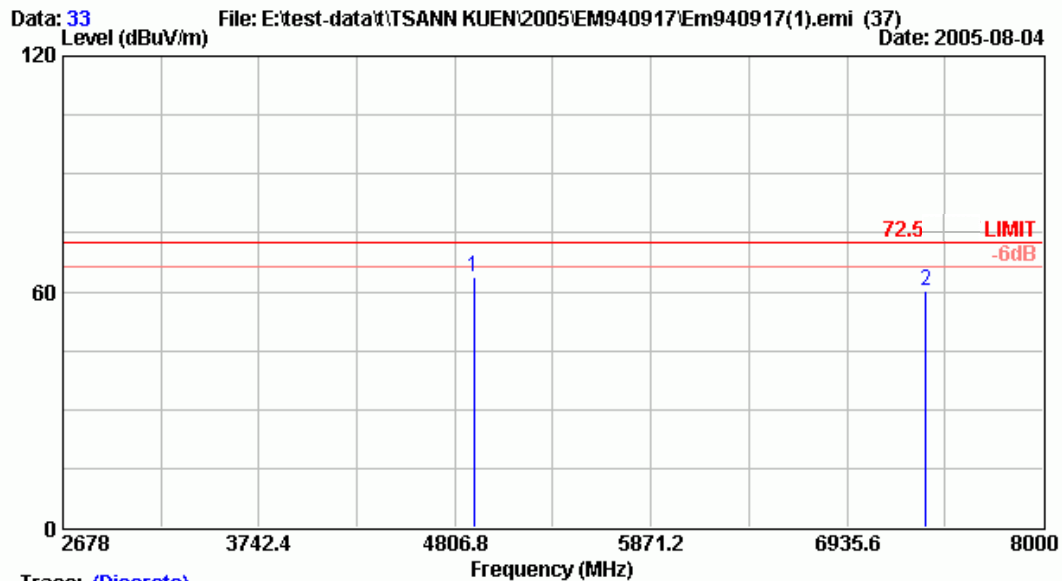
Site no. : A/C Chamber Data no. : 32
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : 72.5 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402EMM
 Power Rating : 120Vac/60Hz
 Test Mode : Max
 300 milliliters of waters in the beaker
 located in the right front corner

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4910.200	33.89	9.16	20.64	63.69	72.50	8.81	Average	
2 7365.300	37.10	11.51	12.08	60.68	72.50	11.82	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
 2. The emission levels that are 20dB below the official
 limit are not reported.



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Trace: (Discrete)

Site no. : A/C Chamber Data no. : 33
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 72.5 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402EMM
 Power Rating : 120Vac/60Hz
 Test Mode : Max
 300 milliliters of waters in the beaker
 located in the right front corner

Freq. (MHz)	Ant. Cable		Emission		Limits (dB μ V/m)	Margin (dB)	Remark
	Factor (dB/m)	Loss (dB)	Reading (dB μ V)	Level (dB μ V/m)			
1 4910.200	33.89	9.16	20.53	63.58	72.50	8.92	Average
2 7365.300	37.10	11.51	11.55	60.15	72.50	12.35	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
 2. The emission levels that are 20dB below the official
 limit are not reported.

7.6.3. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Matsushita, Type 2M211A-M2J,

H.V. Transformer : DPC, Type No. EUPA-700A)

EUT with following test modes were measured at Semi-Anechoic Chamber and all the test results are listed in next pages.

Test Date : Aug. 04, 2005 Temperature : 20°C Humidity : 69%

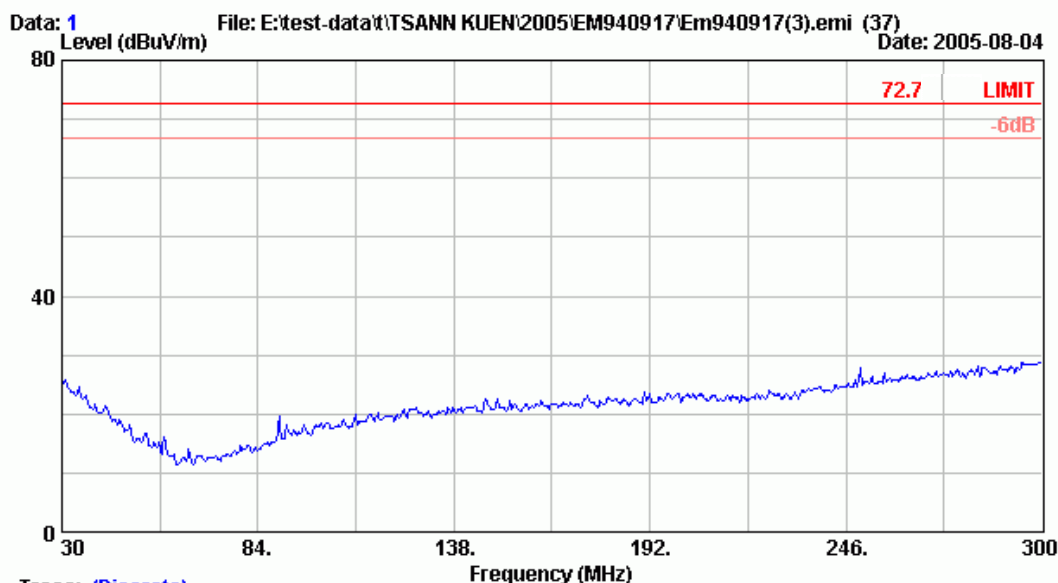
Test Date : Aug. 10, 2005 Temperature : 20°C Humidity : 69%

The details of test mode and reference test data are as follows :

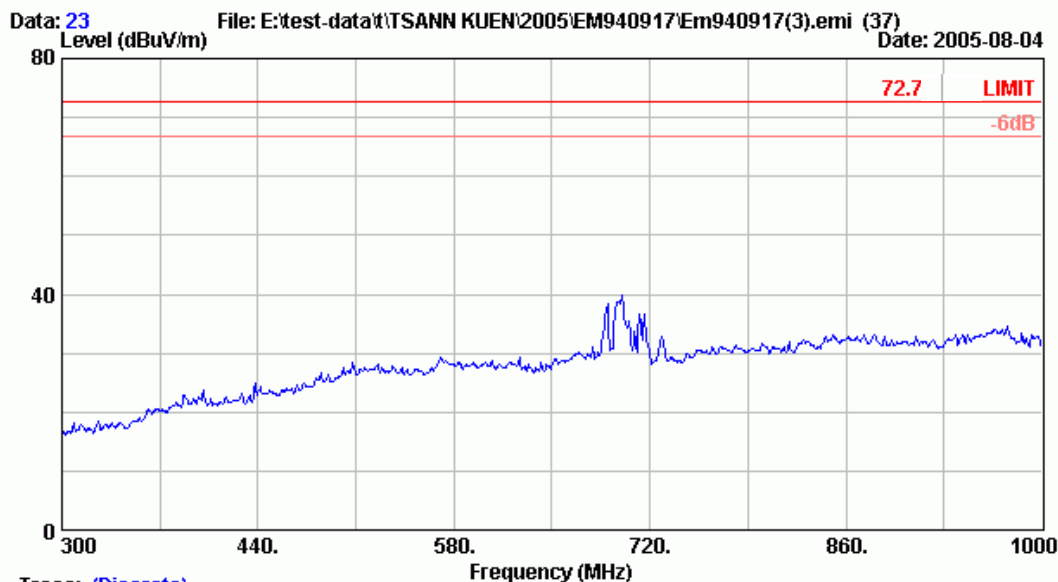
NO.	Frequency range	Test Mode	Reference Test Data No.	
			Horizontal	Vertical
1.	Below 1GHz (30MHz-1GHz)	Load: 700ml, Beaker Location: Center (Popcorn)	# 1, # 23	# 2, # 24
2.		Load: 700ml, Beaker Location: Center (Beverage)	# 4, # 22	# 3, # 21
3.		Load: 700ml, Beaker Location: Center (Soup)	# 8, # 18	# 7, # 17
4.		Load: 700ml, Beaker Location: Center (Cass)	# 9, # 15	# 10, # 16
5.		Load: 700ml, Beaker Location: Center (Sing)	# 12, # 14	# 11, # 13
6.		Load: 700ml, Beaker Location: Center (Auto Defrost)	# 5, # 19	# 6, # 20
7.	Above 1GHz (1GHz-25GHz)	Load: 700ml, Beaker Location: Center	# 37	# 36
8.	Above 1GHz. (At second and third harmonics)	Load: 700ml, Beaker Location: Right Front Corner	# 31	# 30
9.		Load: 300ml, Beaker Location: Center	# 33	# 32
10.		Load: 300ml, Beaker Location: Right Front Corner	# 34	# 35



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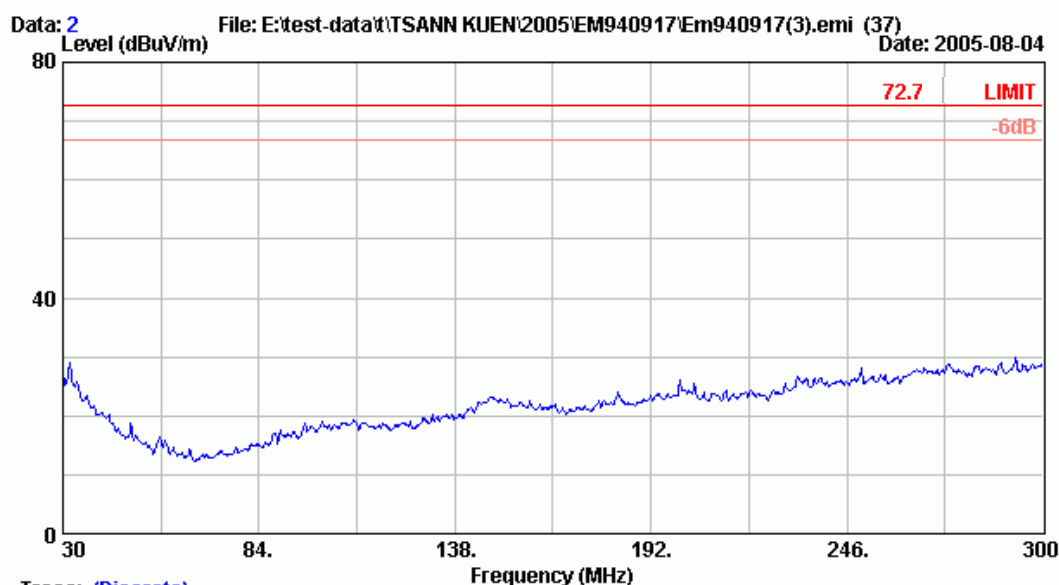
Site no. : A/C Chamber Data no. : 1
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Popcorn
700 milliliters of waters in the beaker
located in the center of the oven



Site no. : A/C Chamber Data no. : 23
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Popcorn
700 milliliters of waters in the beaker
located in the center of the oven

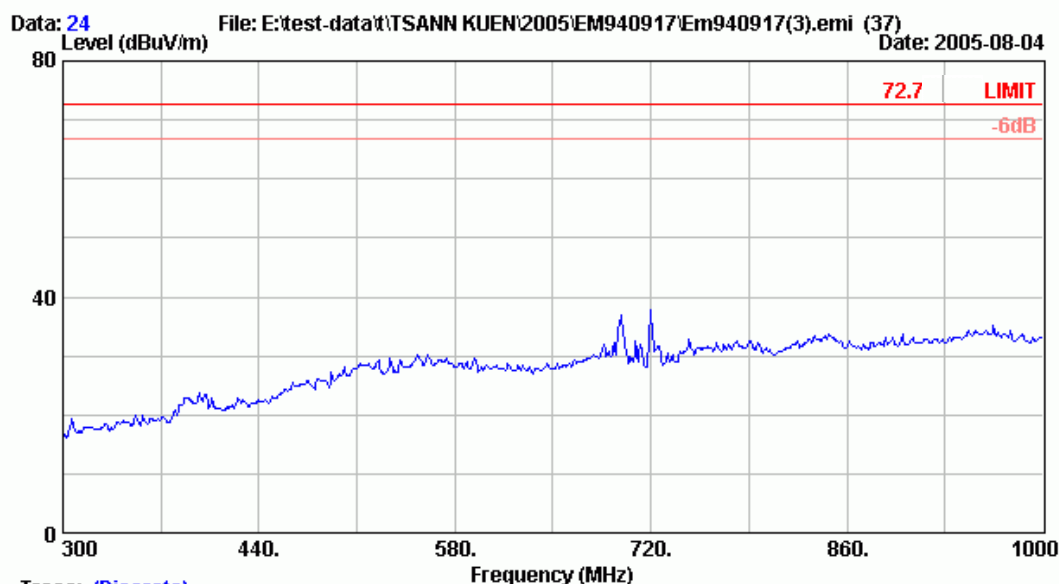


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 2
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Popcorn		
	700 milliliters of waters in the beaker located in the center of the oven		

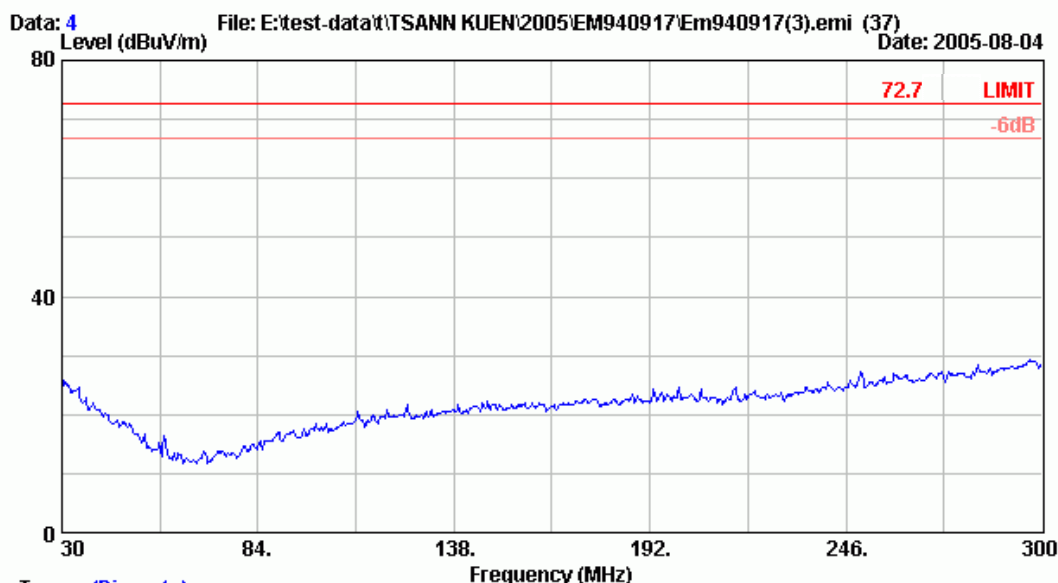


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 24
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Popcorn		
	700 milliliters of waters in the beaker located in the center of the oven		

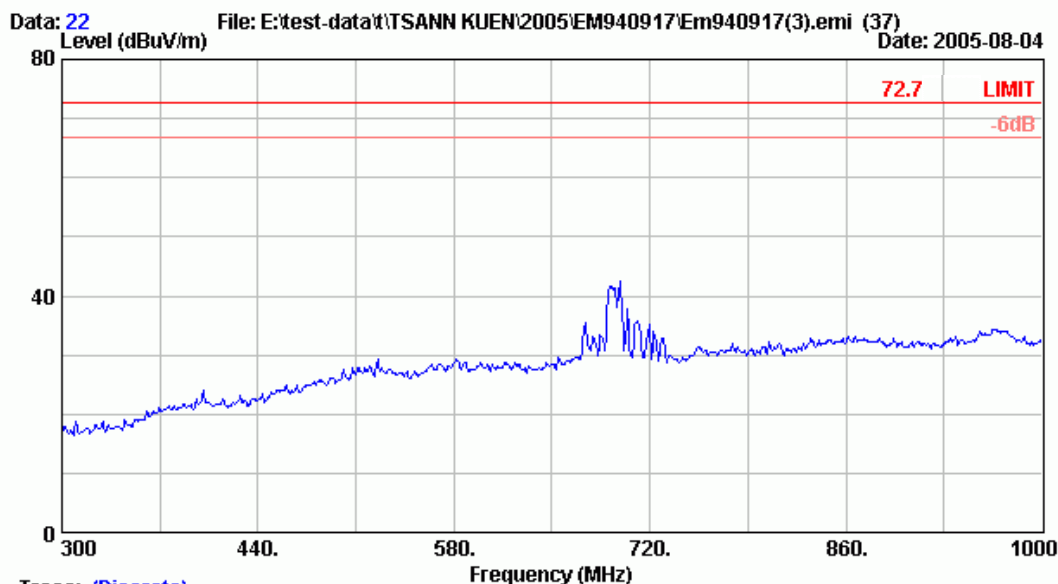


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 4
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Beverage		
	700 milliliters of waters in the beaker located in the center of the oven		

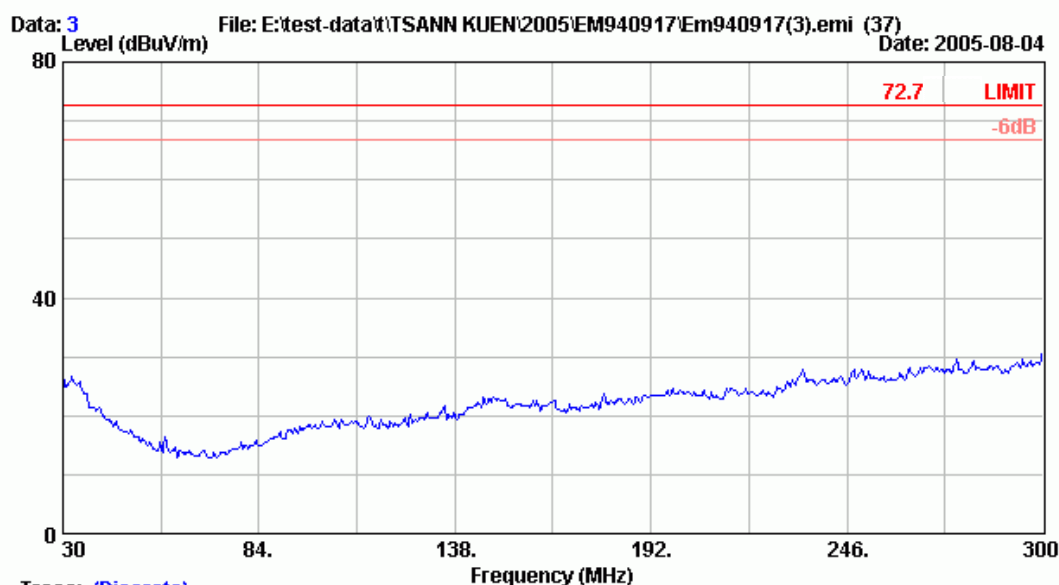


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 22
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Beverage		
	700 milliliters of waters in the beaker located in the center of the oven		

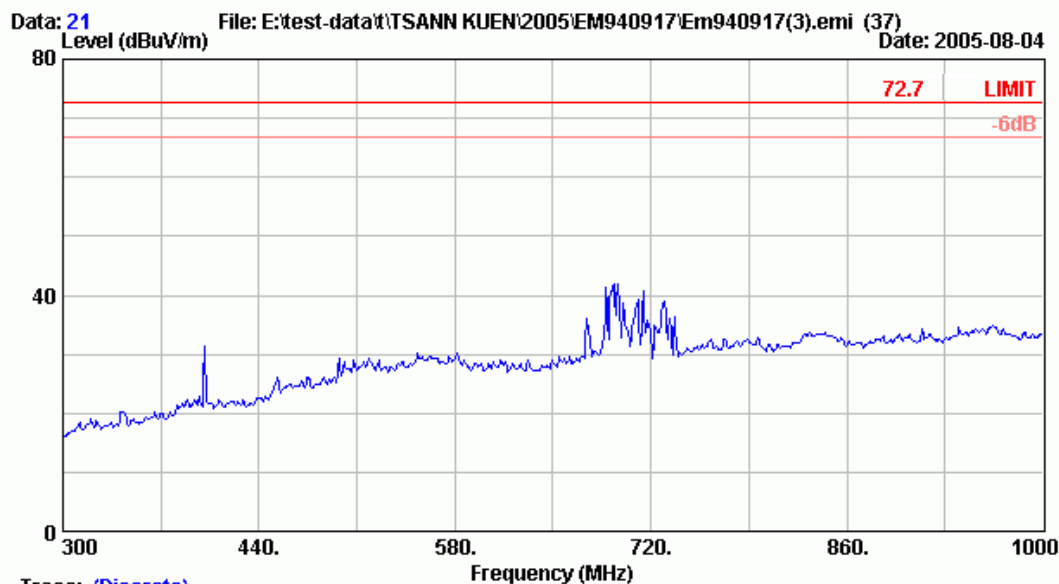


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 3
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Beverage		
	700 milliliters of waters in the beaker located in the center of the oven		



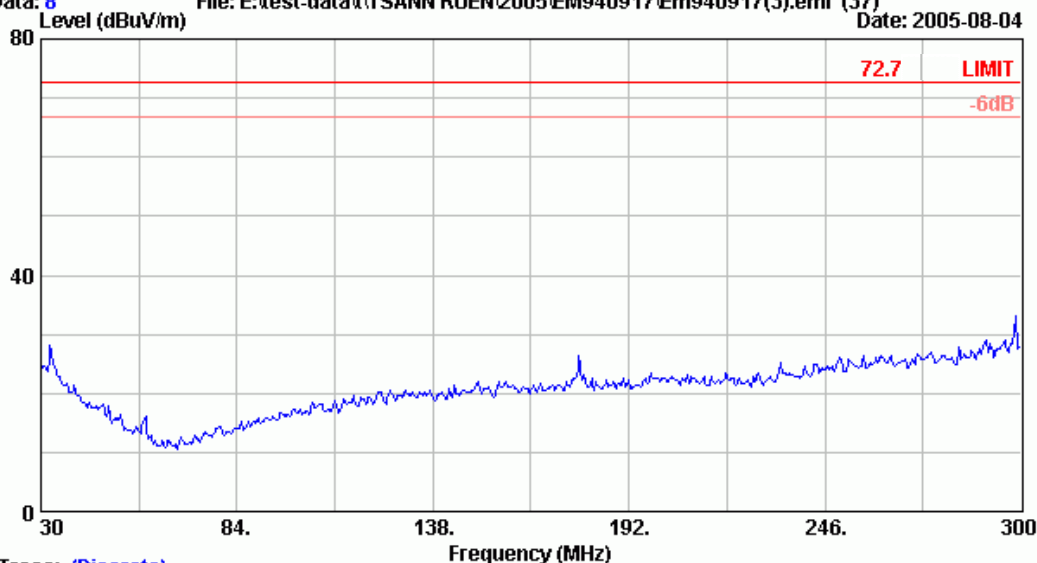
Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 21
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Beverage		
	700 milliliters of waters in the beaker located in the center of the oven		



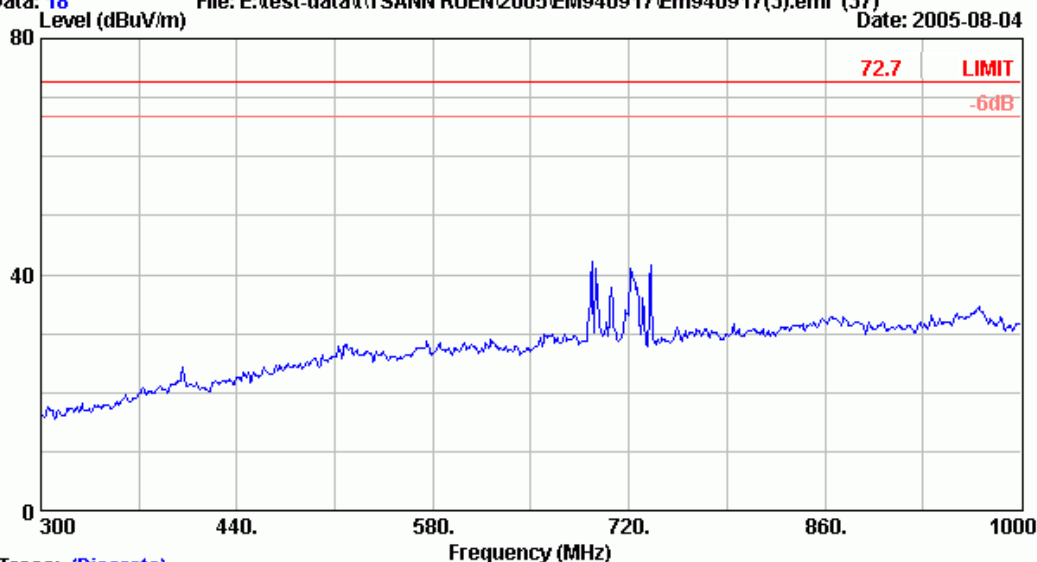
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Data: 8 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 8
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Soup
700 milliliters of waters in the beaker
located in the center of the oven

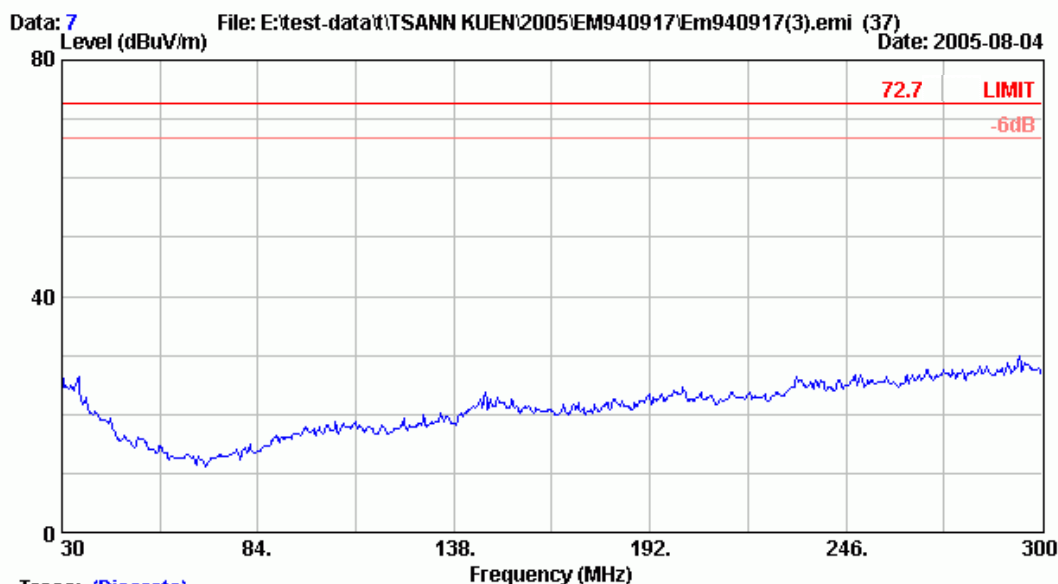
Data: 18 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 18
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Soup
700 milliliters of waters in the beaker
located in the center of the oven



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Trace: (Discrete)

Site no. : A/C Chamber Data no. : 7

Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL

Limit : 72.7 dB μ V/m

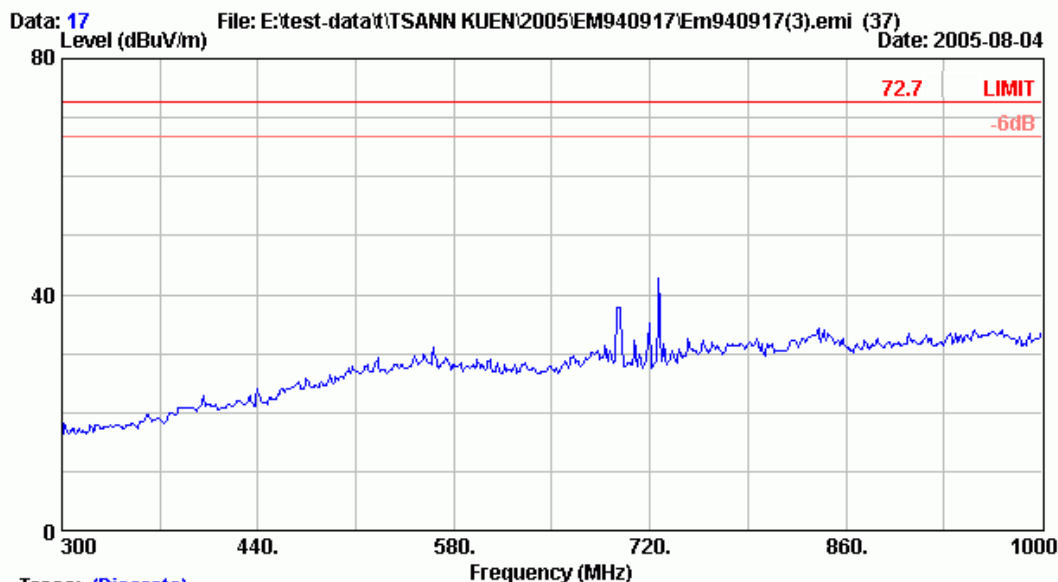
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang

EUT : Microwave Oven M/N:TSK-8402EMM

Power Rating : 120Vac/60Hz

Test Mode : Soup

700 milliliters of waters in the beaker
located in the center of the oven



Trace: (Discrete)

Site no. : A/C Chamber Data no. : 17

Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL

Limit : 72.7 dB μ V/m

Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang

EUT : Microwave Oven M/N:TSK-8402EMM

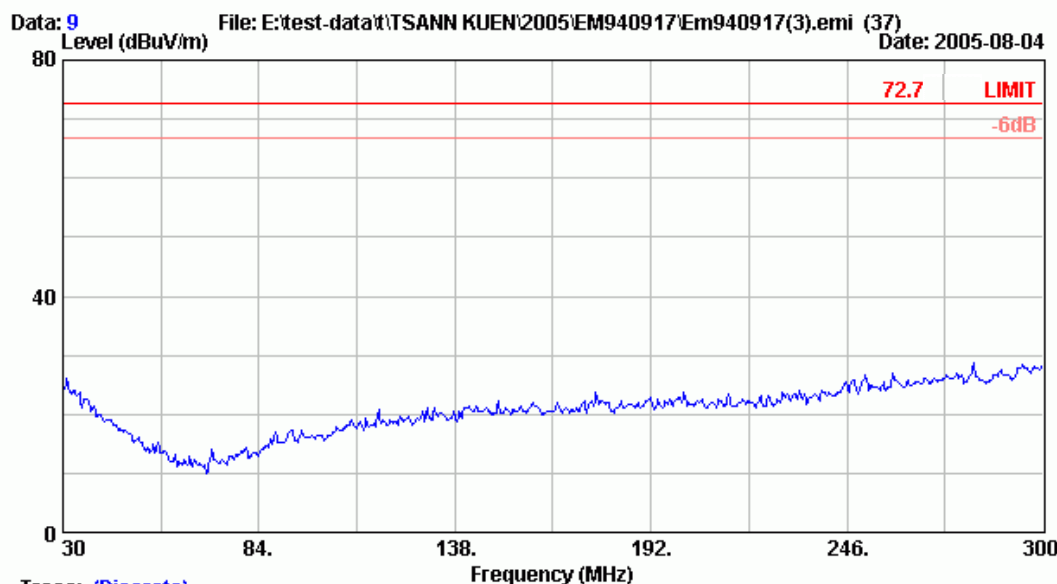
Power Rating : 120Vac/60Hz

Test Mode : Soup

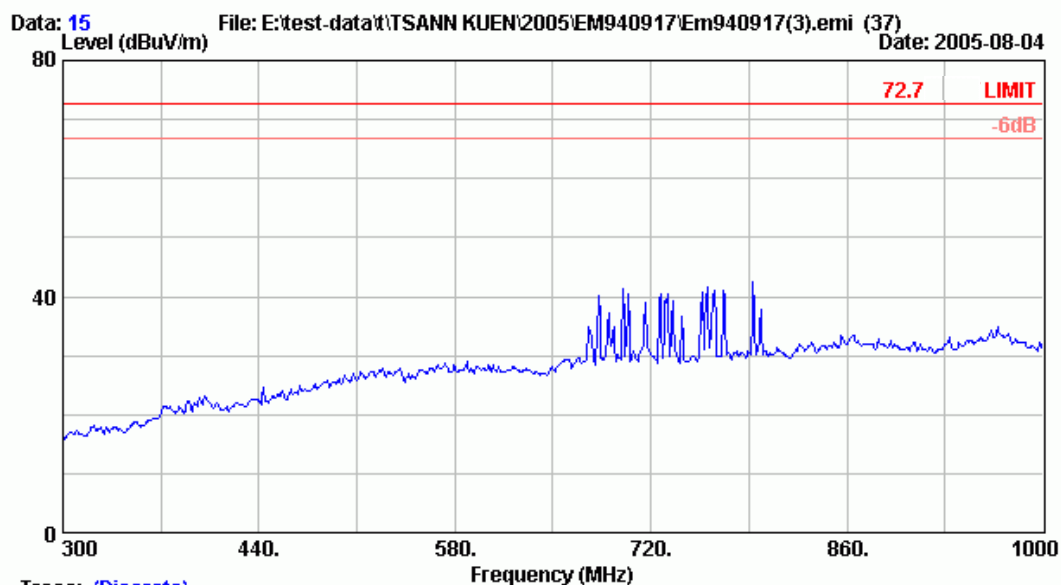
700 milliliters of waters in the beaker
located in the center of the oven



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Site no. : A/C Chamber Data no. : 9
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Cass
700 milliliters of waters in the beaker
located in the center of the oven

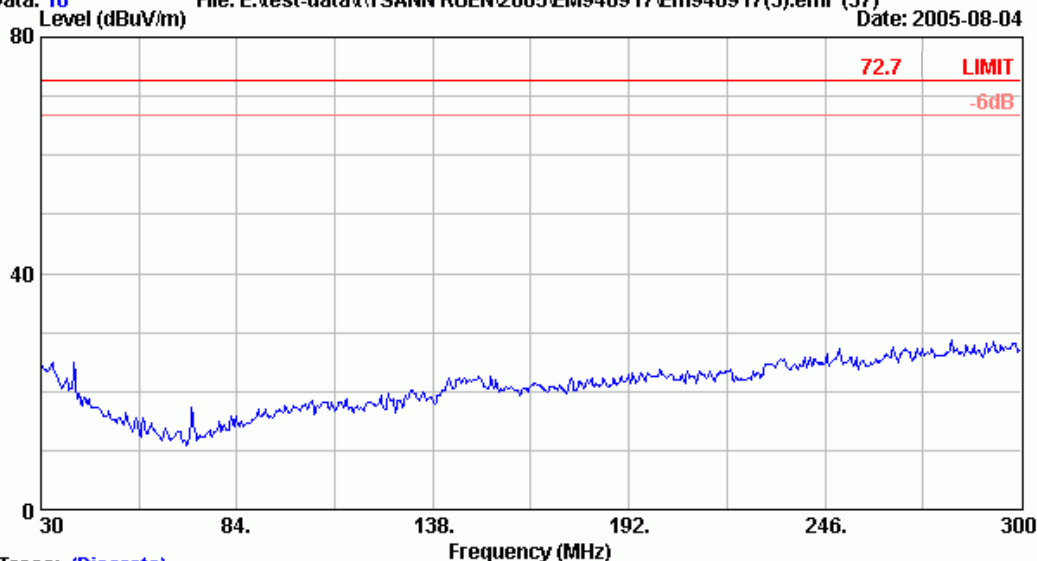


Site no. : A/C Chamber Data no. : 15
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Cass
700 milliliters of waters in the beaker
located in the center of the oven



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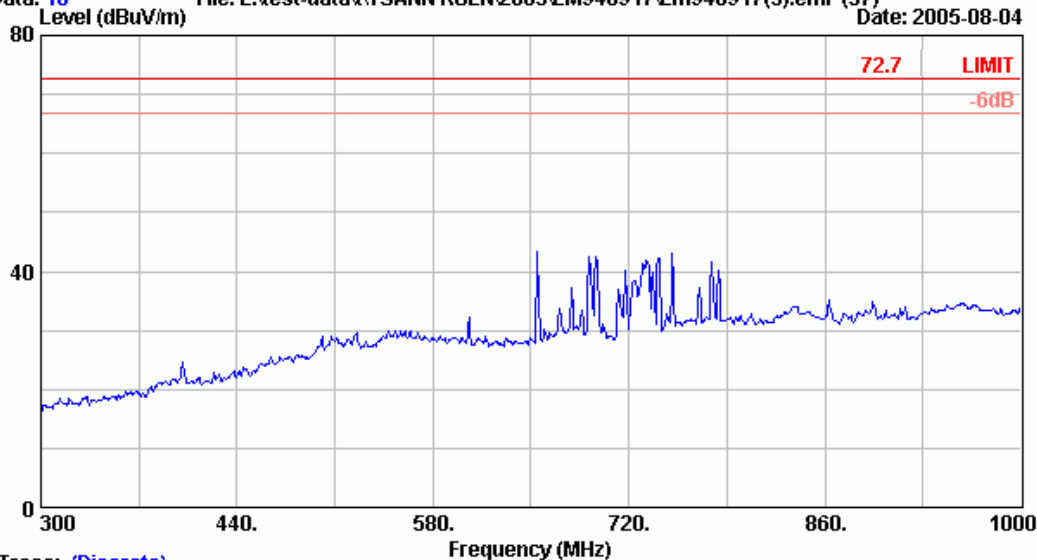
Data: 10 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-04



Trace: (Discrete)

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Cass
700 milliliters of waters in the beaker
located in the center of the oven

Data: 16 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-04



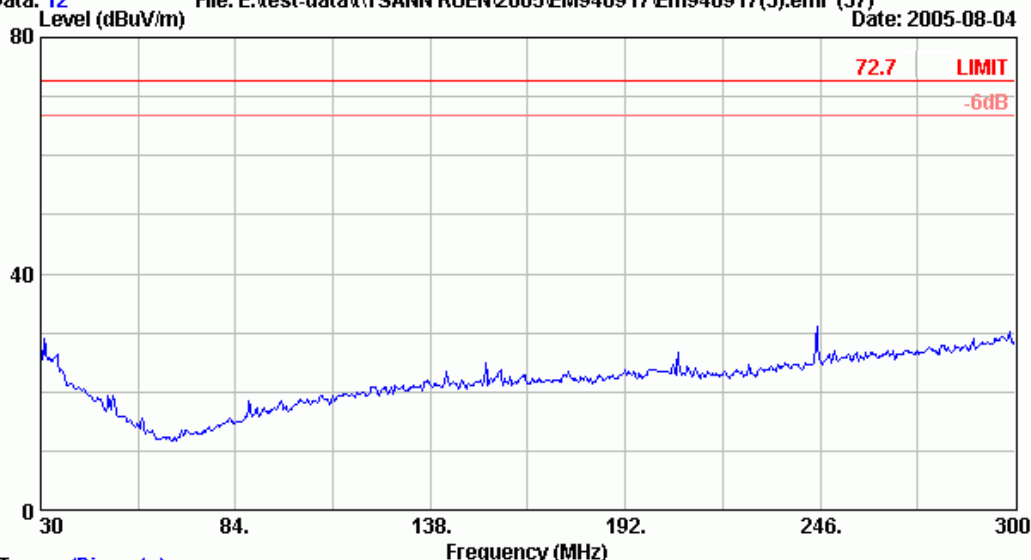
Trace: (Discrete)

Site no. : A/C Chamber Data no. : 16
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Cass
700 milliliters of waters in the beaker
located in the center of the oven



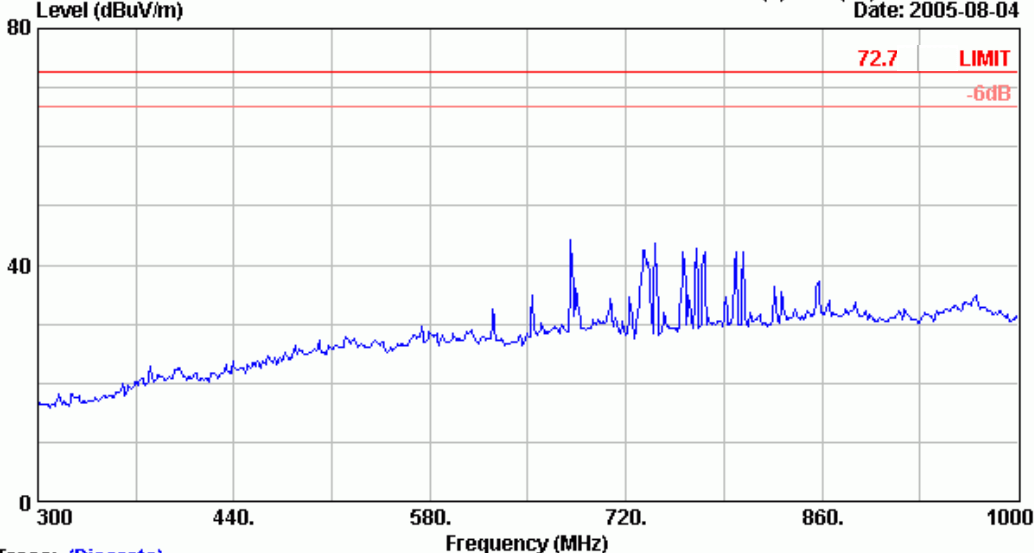
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Data: 12 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 12
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Sing
700 milliliters of waters in the beaker
located in the center of the oven

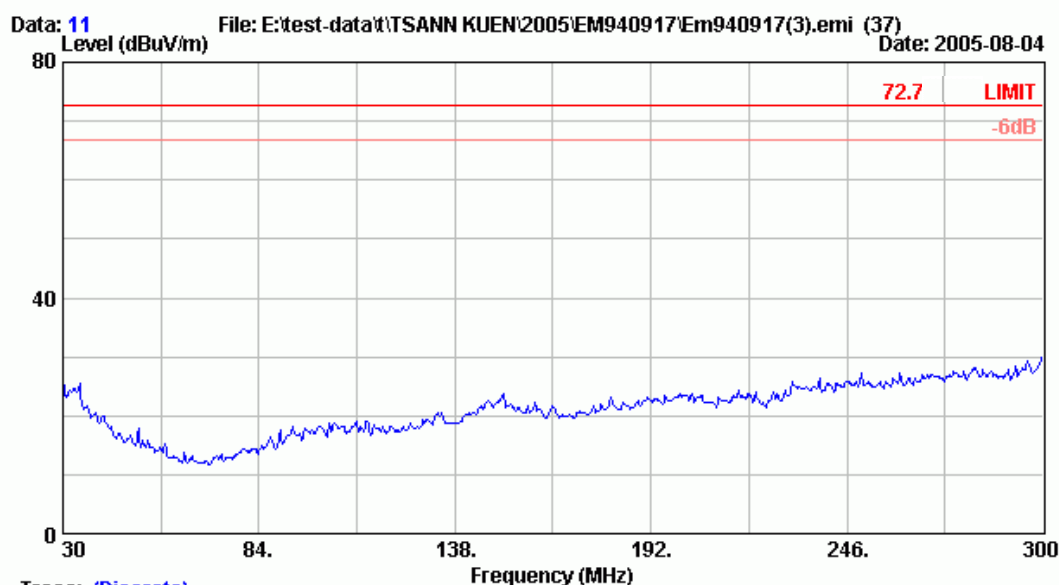
Data: 14 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 14
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Sing
700 milliliters of waters in the beaker
located in the center of the oven

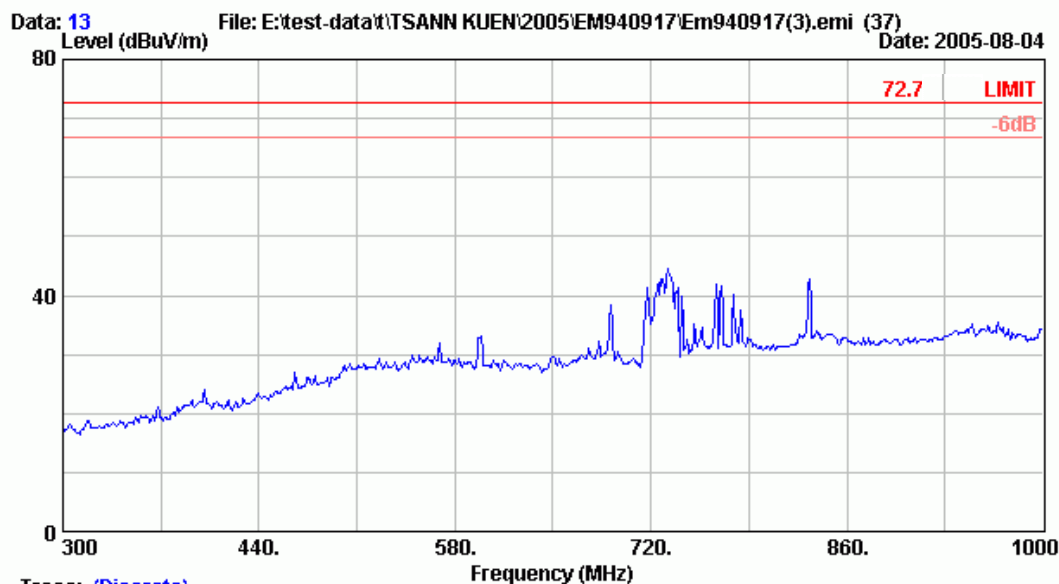


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 11
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Sing		
	700 milliliters of waters in the beaker located in the center of the oven		

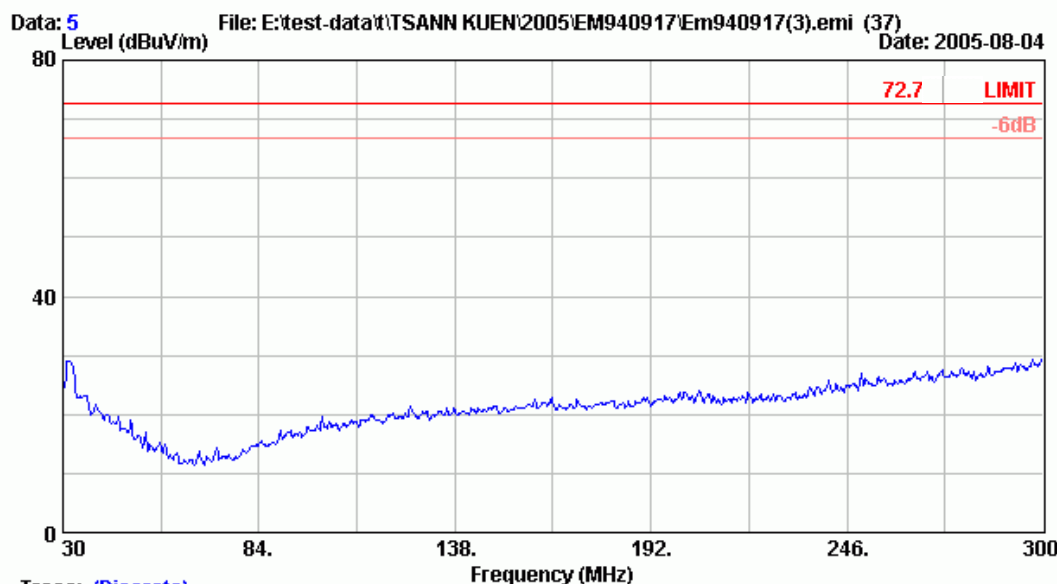


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 13
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Sing		
	700 milliliters of waters in the beaker located in the center of the oven		

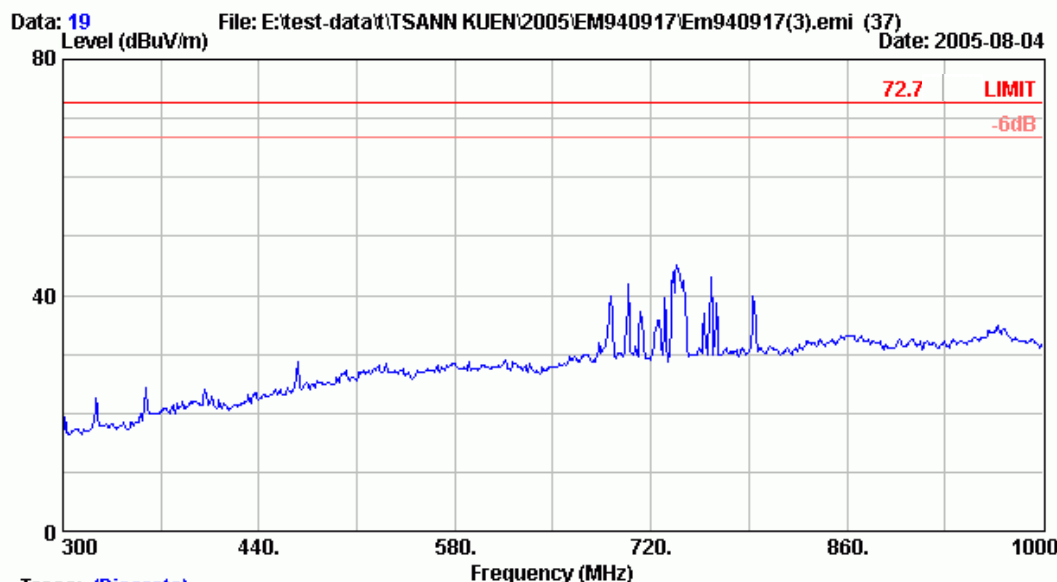


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 5
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Auto Defrost		
	700 milliliters of waters in the beaker located in the center of the oven		



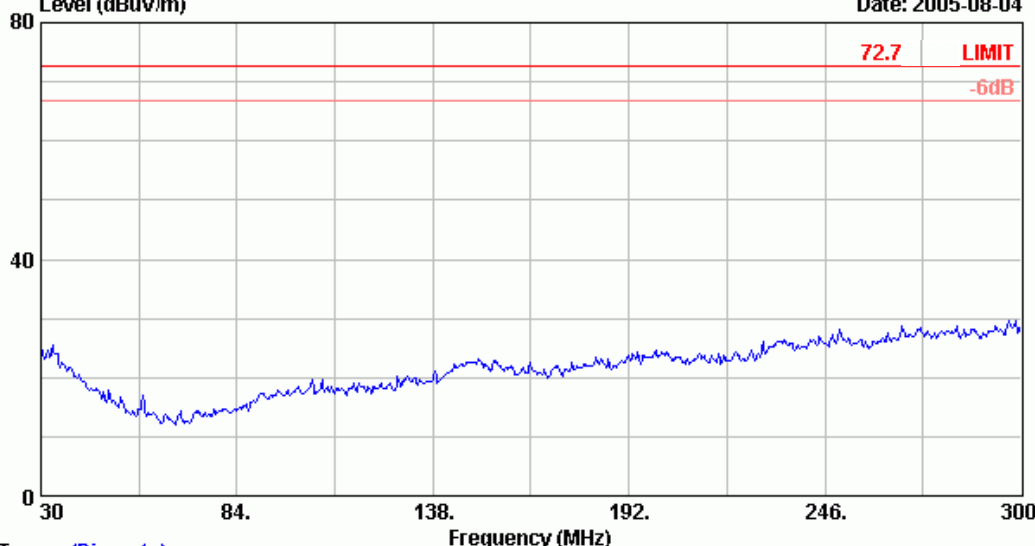
Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 19
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Auto Defrost		
	700 milliliters of waters in the beaker located in the center of the oven		



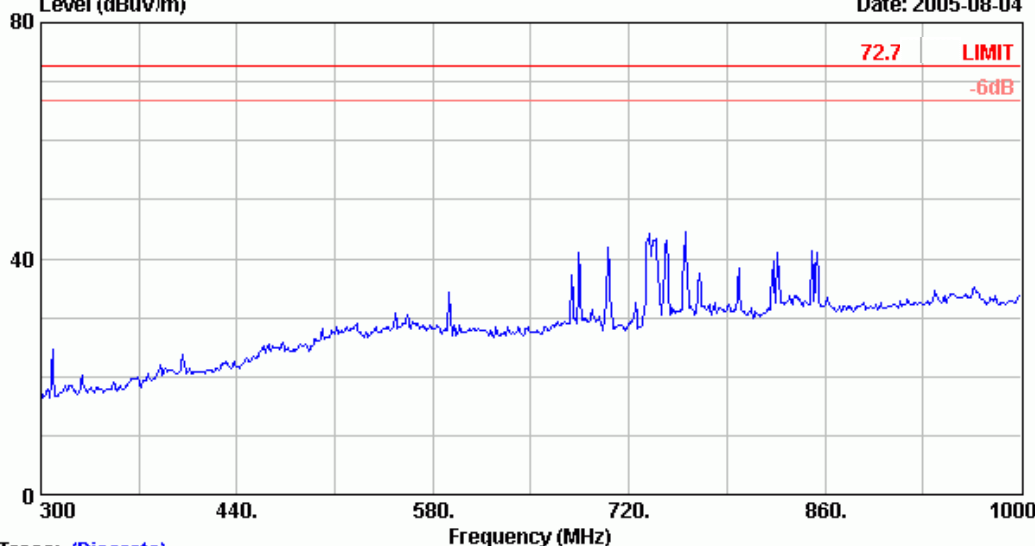
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Data: 6 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 6
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Auto Defrost
700 milliliters of waters in the beaker
located in the center of the oven

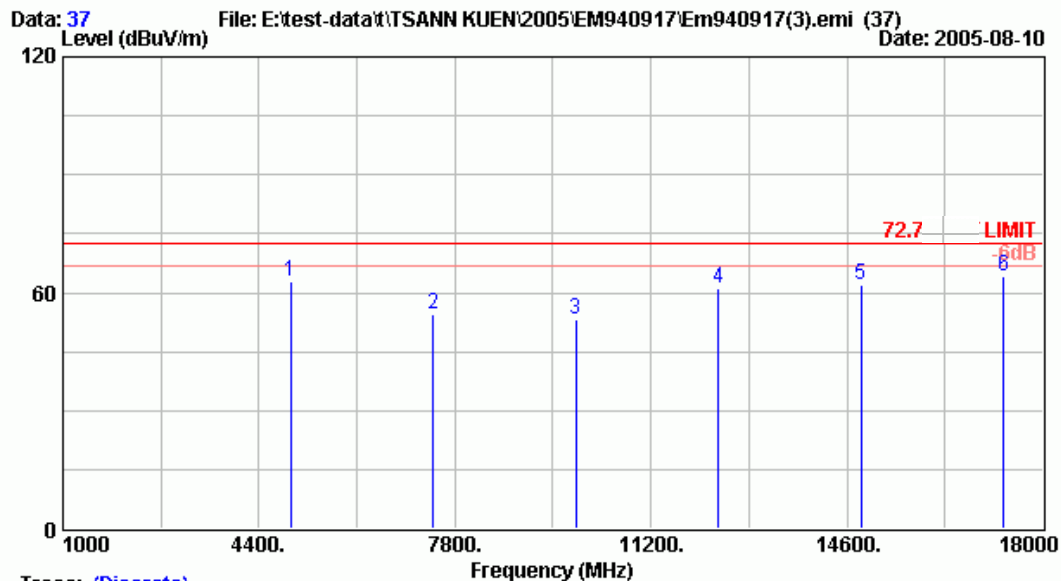
Data: 20 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 20
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Auto Defrost
700 milliliters of waters in the beaker
located in the center of the oven



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Trace: (Discrete)

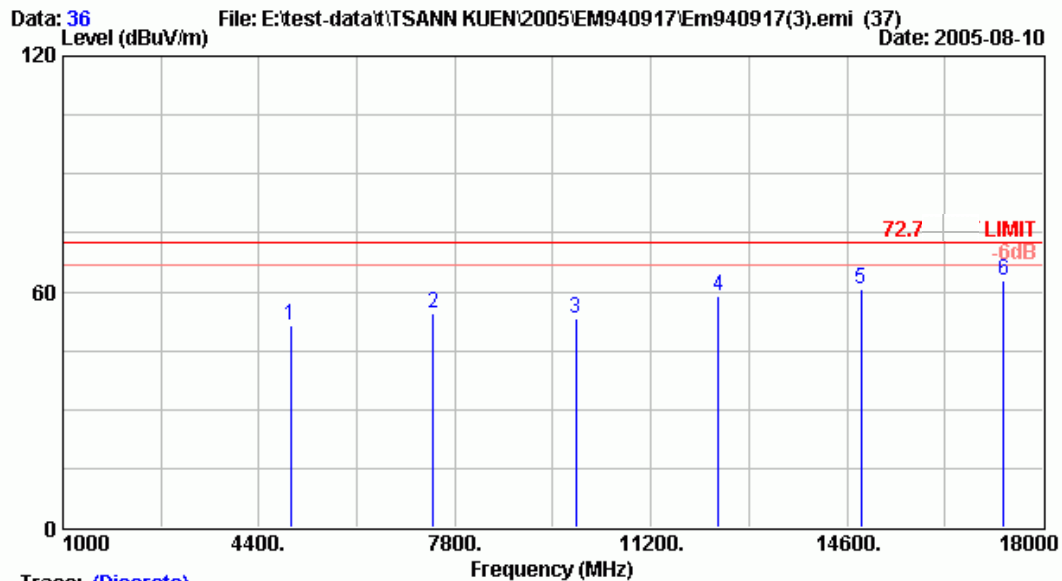
Site no. : A/C Chamber Data no. : 37
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Max
700 milliliters of waters in the beaker
located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4947.400	33.96	9.10	19.90	62.97	72.70	9.73	Average	
2 7421.100	37.20	11.58	5.73	54.51	72.70	18.19	Average	
3 9894.800	38.57	12.89	1.88	53.33	72.70	19.37	Average	
4 12368.500	38.91	15.01	7.14	61.06	72.70	11.64	Average	
5 14842.200	38.83	16.90	6.13	61.87	72.70	10.83	Average	
6 17315.900	44.27	17.37	2.37	64.01	72.70	8.69	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

Site no. : A/C Chamber Data no. : 36
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Max
700 milliliters of waters in the beaker
located in the center of the oven

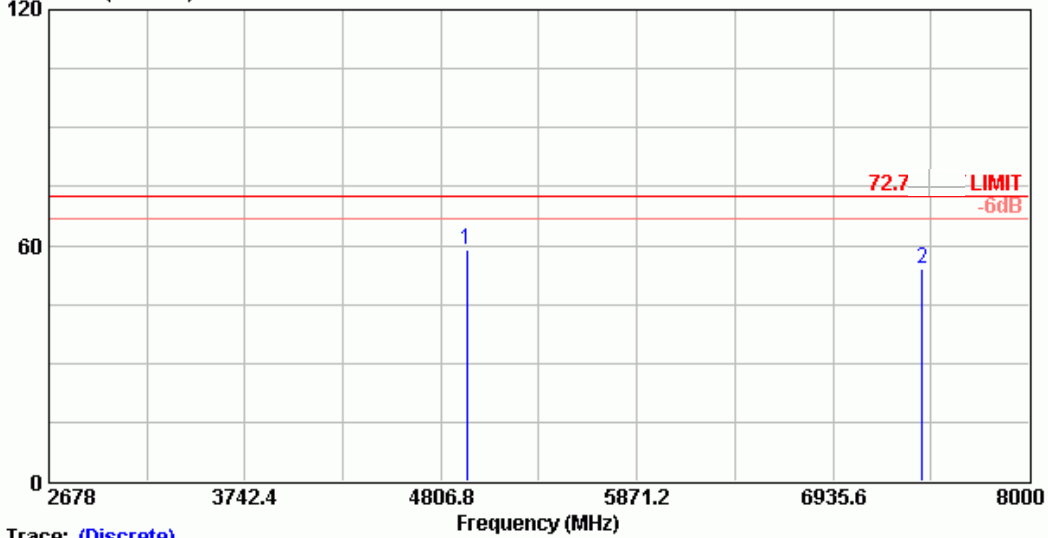
Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1 4947.400	33.96	9.10	8.37	51.44	72.70	21.26	Average
2 7421.100	37.20	11.58	5.66	54.44	72.70	18.26	Average
3 9894.900	38.57	12.89	1.52	52.97	72.70	19.73	Average
4 12368.500	38.91	15.01	4.92	58.84	72.70	13.86	Average
5 14842.200	38.83	16.90	4.93	60.67	72.70	12.03	Average
6 17315.900	44.27	17.37	1.06	62.69	72.70	10.01	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Data: 31 File: E:\test-data\1\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-10
Level (dBuV/m)



Trace: (Discrete)

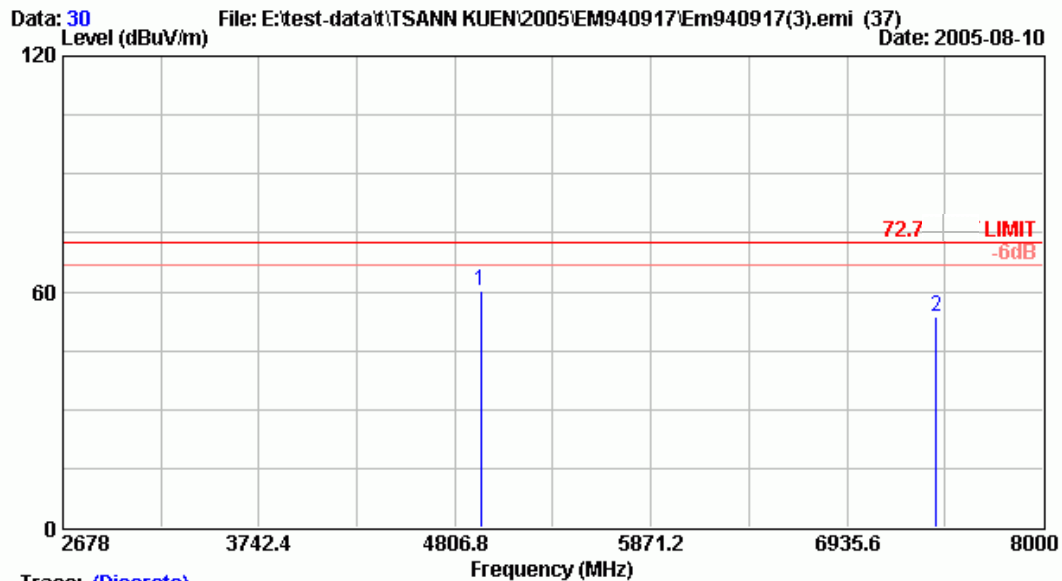
Site no. : A/C Chamber Data no. : 31
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Max
700 milliliters of waters in the beaker
located in the right front corner

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4947.400	33.96	9.10	15.92	58.99	72.70	13.71	Average	
2 7421.100	37.20	11.58	5.44	54.22	72.70	18.48	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

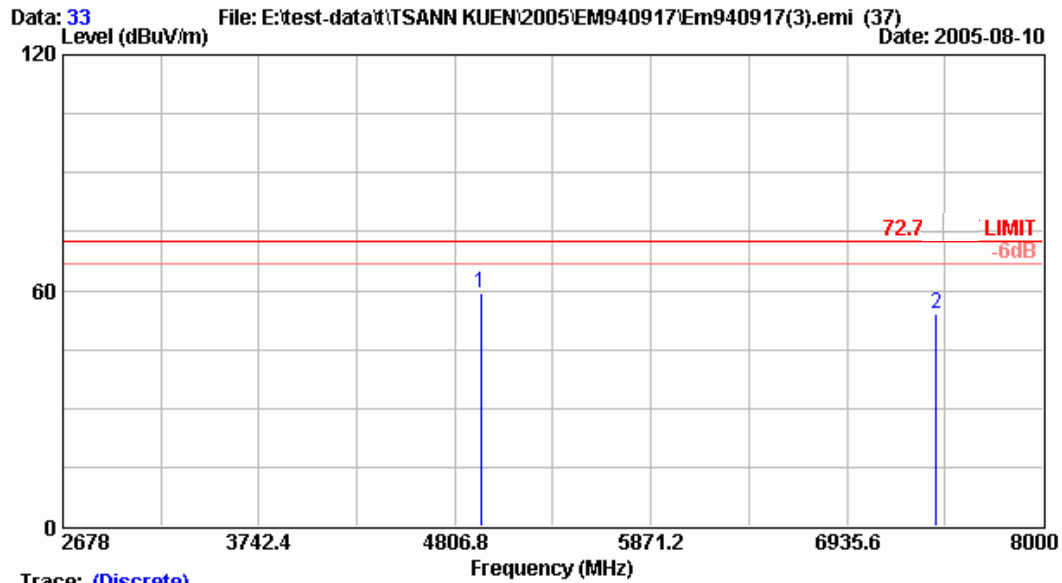
Site no. : A/C Chamber Data no. : 30
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 72.7 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402EMM
 Power Rating : 120Vac/60Hz
 Test Mode : Max
 700 milliliters of waters in the beaker
 located in the right front corner

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4947.400	33.96	9.10	17.26	60.32	72.70	12.38	Average	
2 7421.100	37.20	11.58	5.05	53.82	72.70	18.88	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
 2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

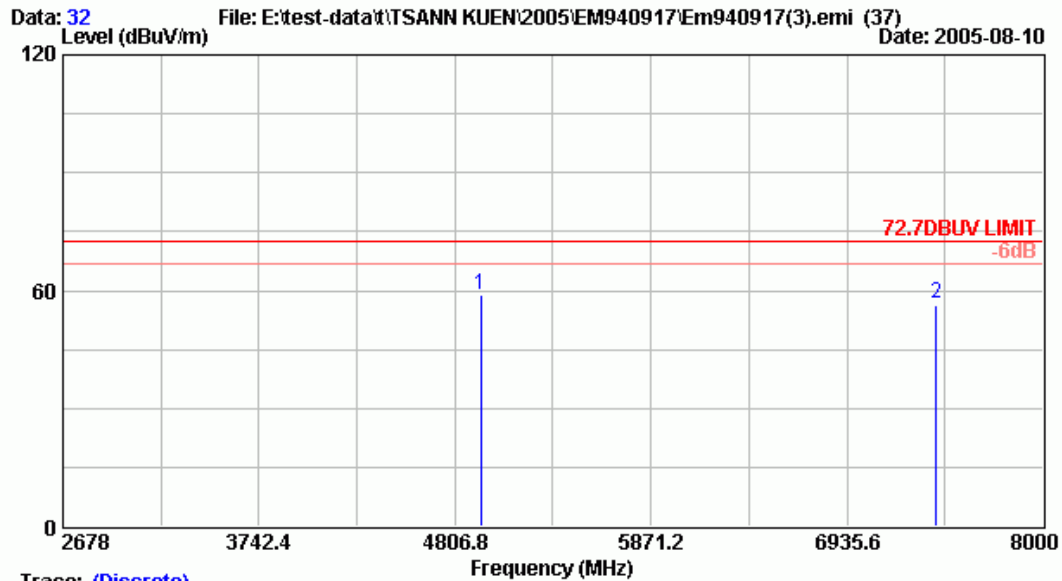
Site no. : A/C Chamber Data no. : 33
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Max
300 milliliters of waters in the beaker
located in the center of the oven

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission		Limits (dB μ V/m)	Margin (dB)	Remark
				Level				
1 4947.400	33.96	9.10	16.19	59.25		72.70	13.45	Average
2 7421.100	37.20	11.58	5.31	54.09		72.70	18.61	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

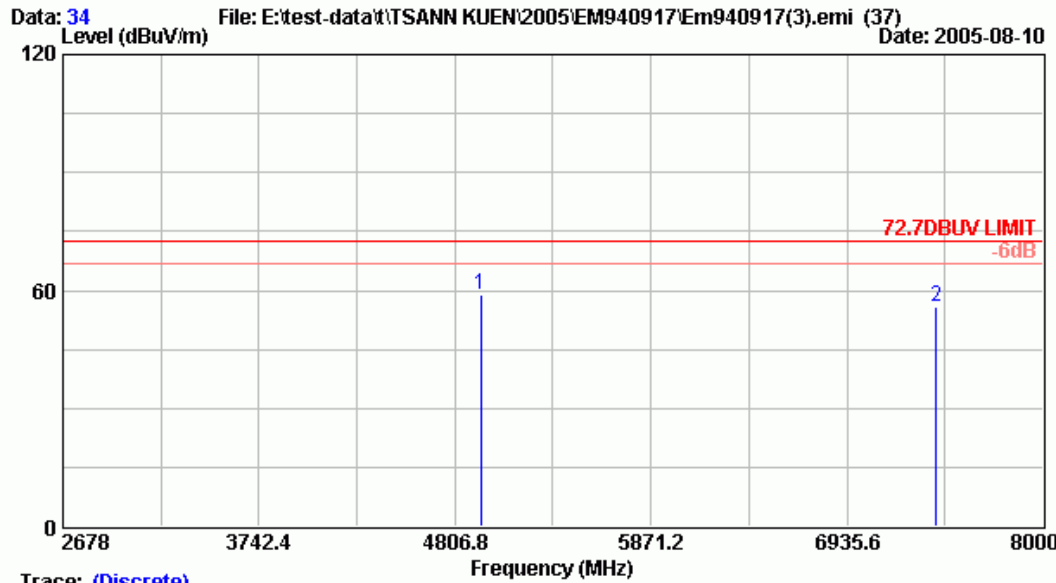
Site no. : A/C Chamber Data no. : 32
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Max
300 milliliters of waters in the beaker
located in the center of the oven

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission		Limits (dB μ V/m)	Margin (dB)	Remark
				Level				
1 4947.400	33.96	9.10	15.62	58.68		72.70	14.02	Average
2 7421.100	37.20	11.58	7.91	56.68		72.70	16.02	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

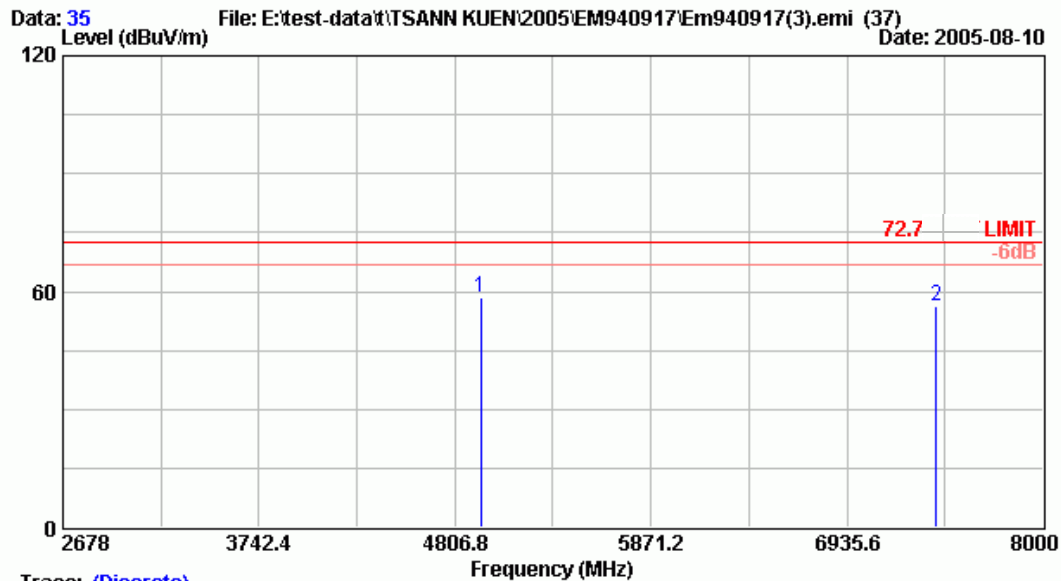
Site no. : A/C Chamber Data no. : 34
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Max
300 milliliters of waters in the beaker
located in the right front corner

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4947.400	33.96	9.10	15.99	59.06	72.70	13.64	Average	
2 7421.100	37.20	11.58	6.99	55.76	72.70	16.94	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

Site no. : A/C Chamber Data no. : 35
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Max
300 milliliters of waters in the beaker
located in the right front corner

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4947.400	33.96	9.10	15.54	58.60	72.70	14.10	Average	
2 7421.100	37.20	11.58	7.49	56.27	72.70	16.43	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.

7.6.4. EUT : Microwave Oven

M/N : TSK-8402EMM

(Magnetron : Matsushita, Type 2M211A-M2J,

H.V. Transformer : Yunlu, Type No. KHT-R701ACK)

EUT with following test modes were measured at Semi-Anechoic Chamber and all the test results are listed in next pages.

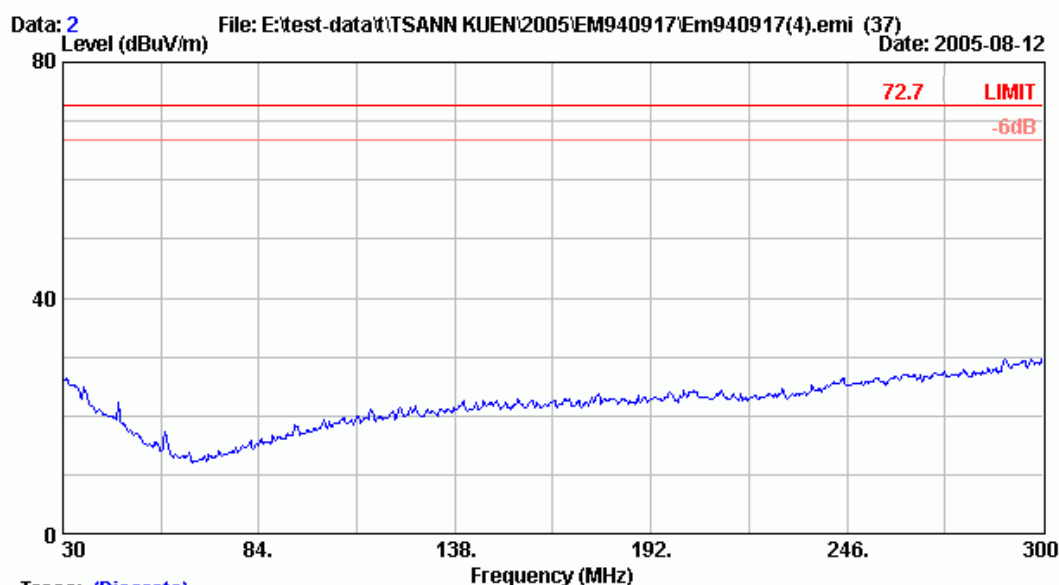
Test Date : Aug. 12, 2005 Temperature : 20°C Humidity : 69%

The details of test mode and reference test data are as follows :

NO.	Frequency range	Test Mode	Reference Test Data No.	
			Horizontal	Vertical
1.	Below 1GHz (30MHz-1GHz)	Load: 700ml, Beaker Location: Center (Popcorn)	# 2, # 23	# 1, # 24
2.		Load: 700ml, Beaker Location: Center (Beverage)	# 3, # 22	# 4, # 21
3.		Load: 700ml, Beaker Location: Center (Soup)	# 7, # 18	# 8, # 17
4.		Load: 700ml, Beaker Location: Center (Cass)	# 10, # 15	# 9, # 16
5.		Load: 700ml, Beaker Location: Center (Sing)	# 11, # 14	# 12, # 13
6.		Load: 700ml, Beaker Location: Center (Auto Defrost)	# 6, # 19	# 5, # 20
7.	Above 1GHz (1GHz-25GHz)	Load: 700ml, Beaker Location: Center	# 37	# 36
8.	Above 1GHz. (At second and third harmonics)	Load: 700ml, Beaker Location: Right Front Corner	# 31	# 30
9.		Load: 300ml, Beaker Location: Center	# 35	# 34
10.		Load: 300ml, Beaker Location: Right Front Corner	# 32	# 33

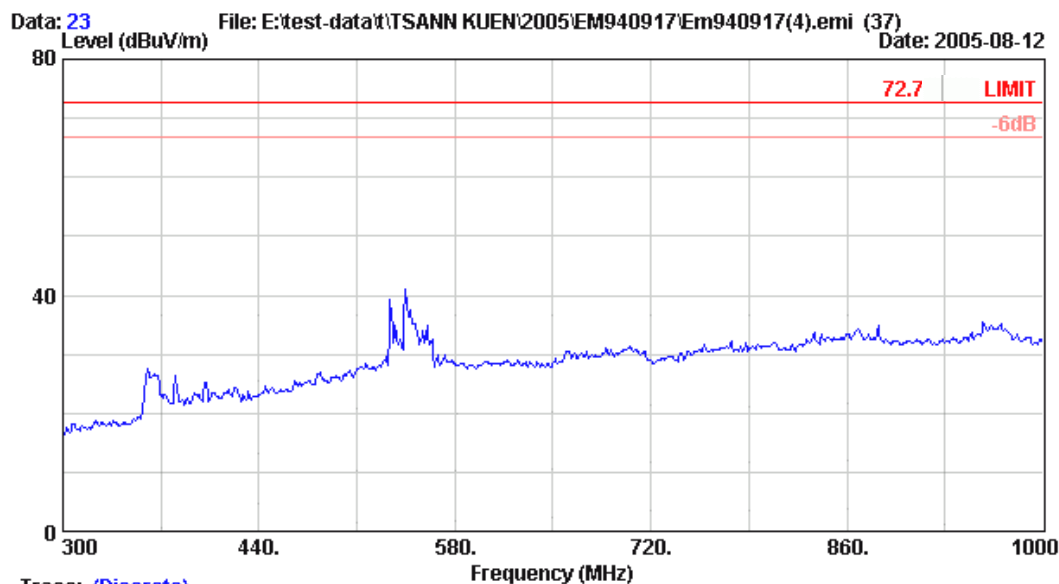


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 2
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Popcorn		
	700 milliliters of waters in the beaker		
	located in the center of the oven		

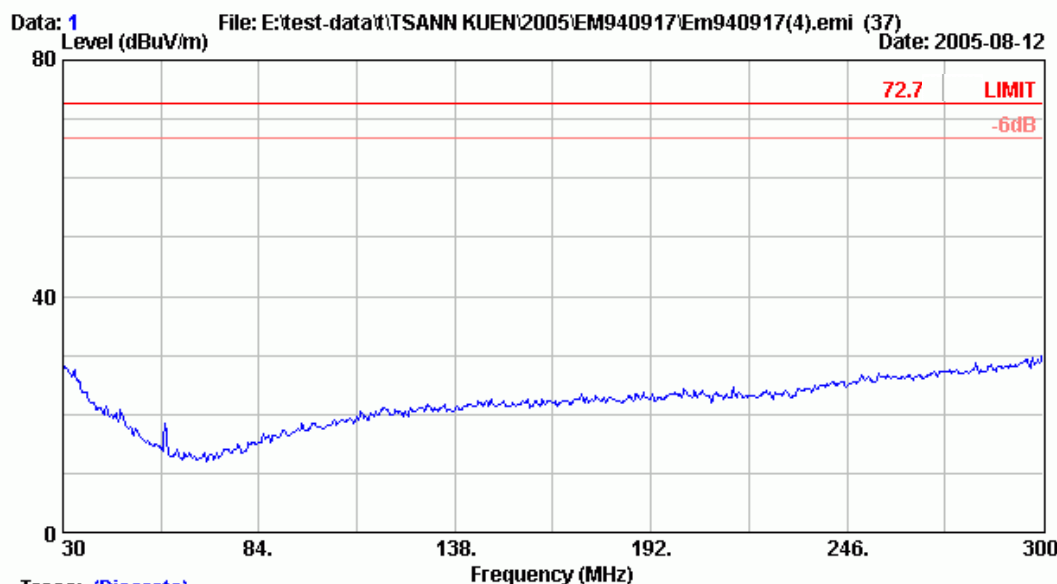


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 23
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Popcorn		
	700 milliliters of waters in the beaker		
	located in the center of the oven		

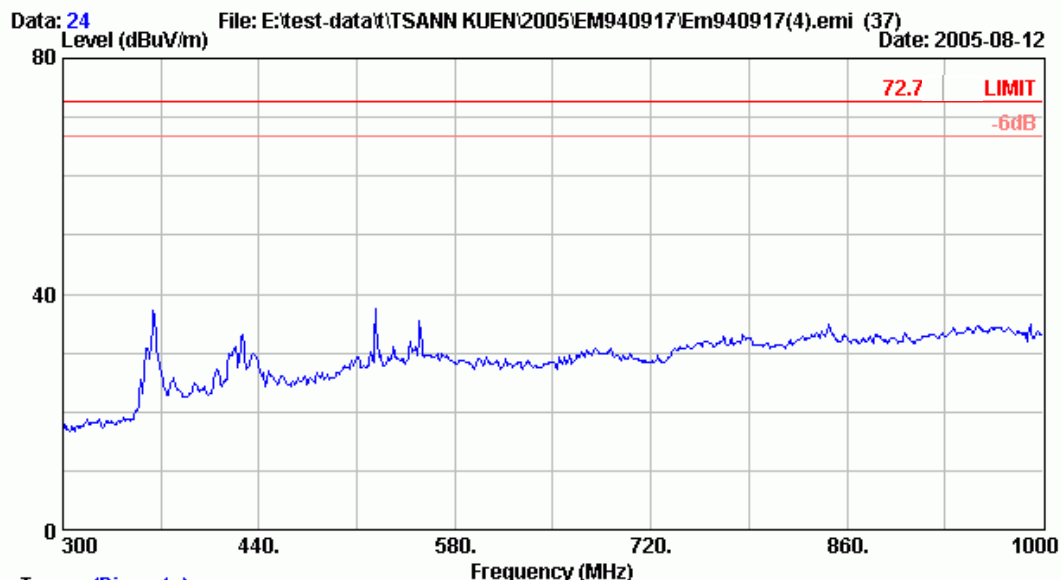


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 1
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Popcorn		
	700 milliliters of waters in the beaker located in the center of the oven		

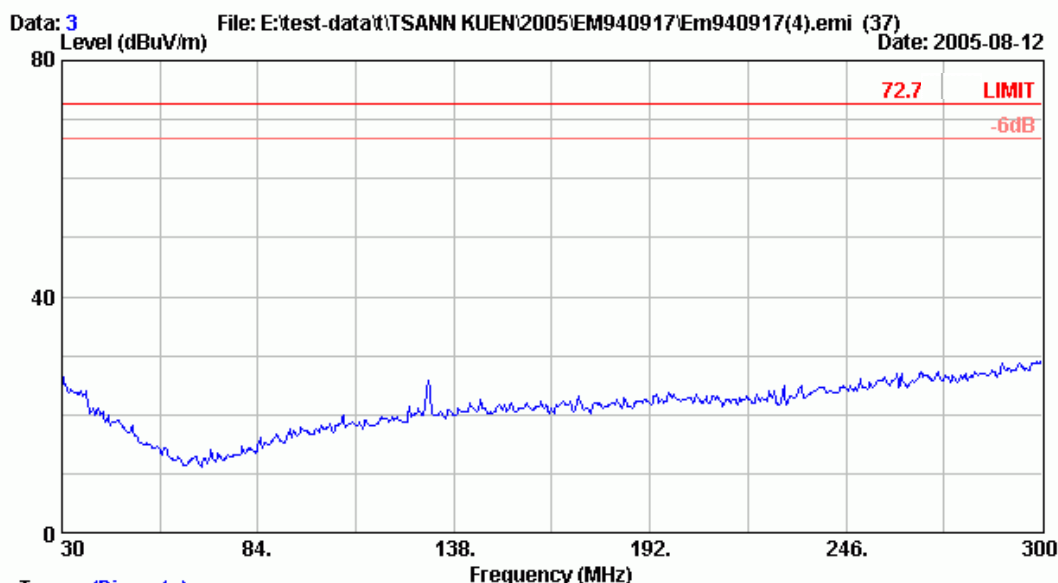


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 24
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Popcorn		
	700 milliliters of waters in the beaker located in the center of the oven		

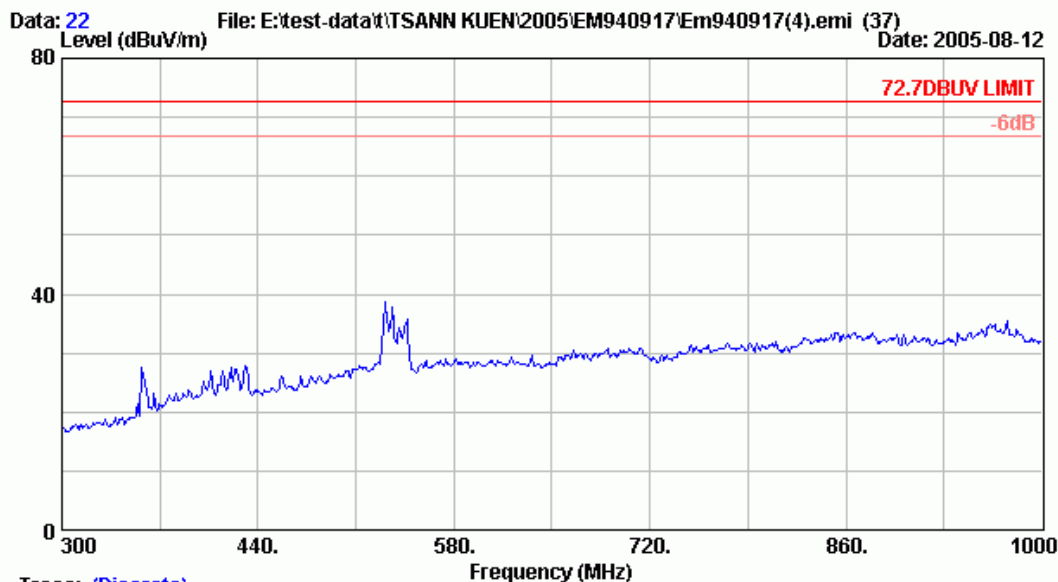


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 3
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Beverage		
	700 milliliters of waters in the beaker located in the center of the oven		



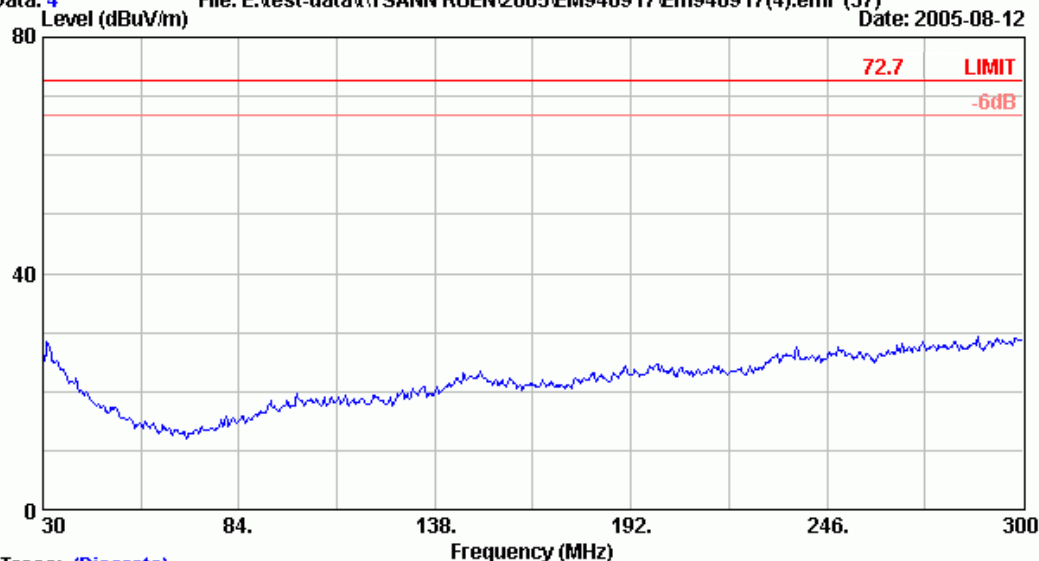
Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 22
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.7DBUV LIMIT		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Beverage		
	700 milliliters of waters in the beaker located in the center of the oven		



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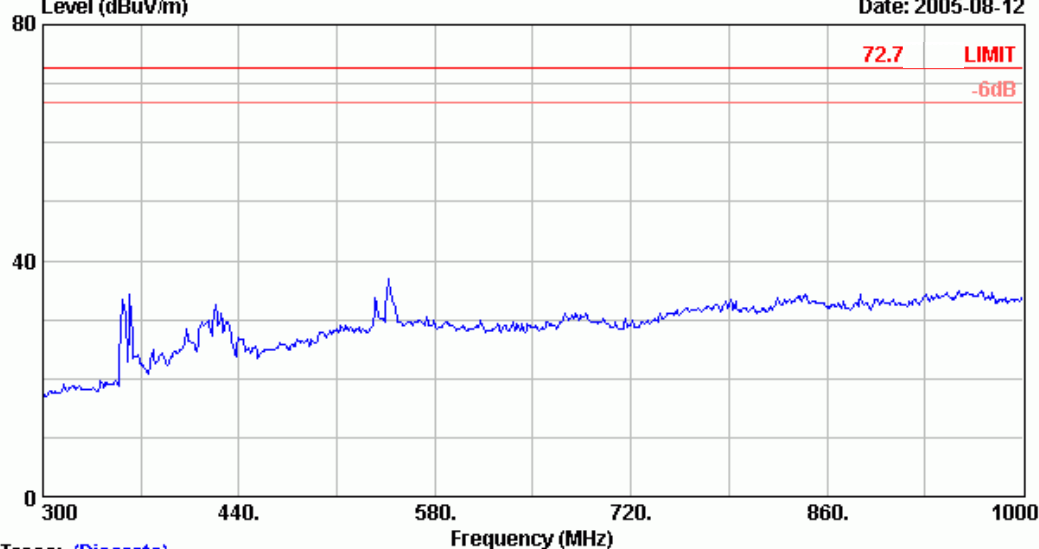
Data: 4 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(4).emi (37) Date: 2005-08-12



Trace: (Discrete)

Site no. : A/C Chamber Data no. : 4
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Beverage
700 milliliters of waters in the beaker
located in the center of the oven

Data: 21 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(4).emi (37) Date: 2005-08-12

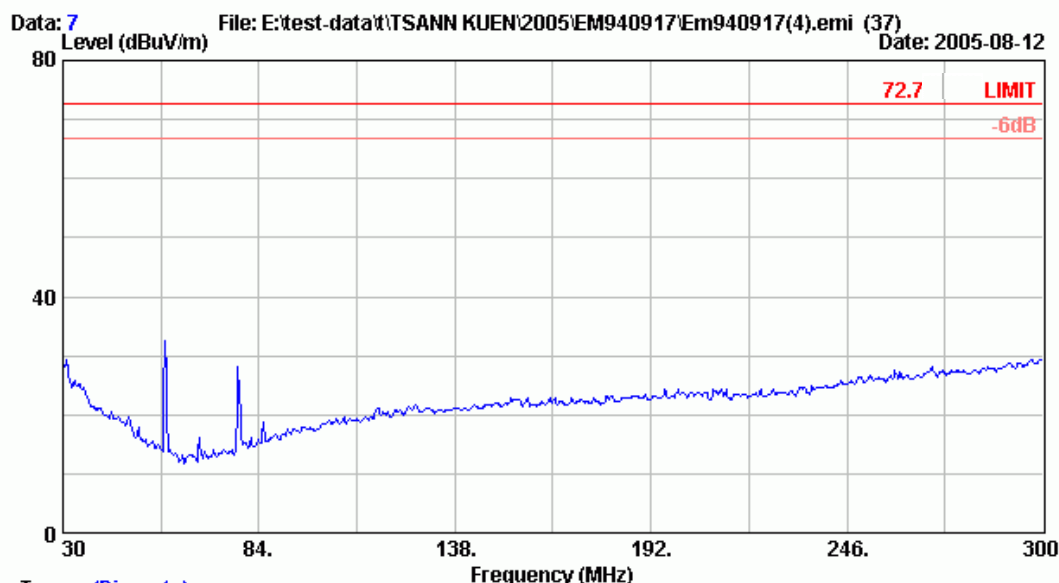


Trace: (Discrete)

Site no. : A/C Chamber Data no. : 21
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Beverage
700 milliliters of waters in the beaker
located in the center of the oven

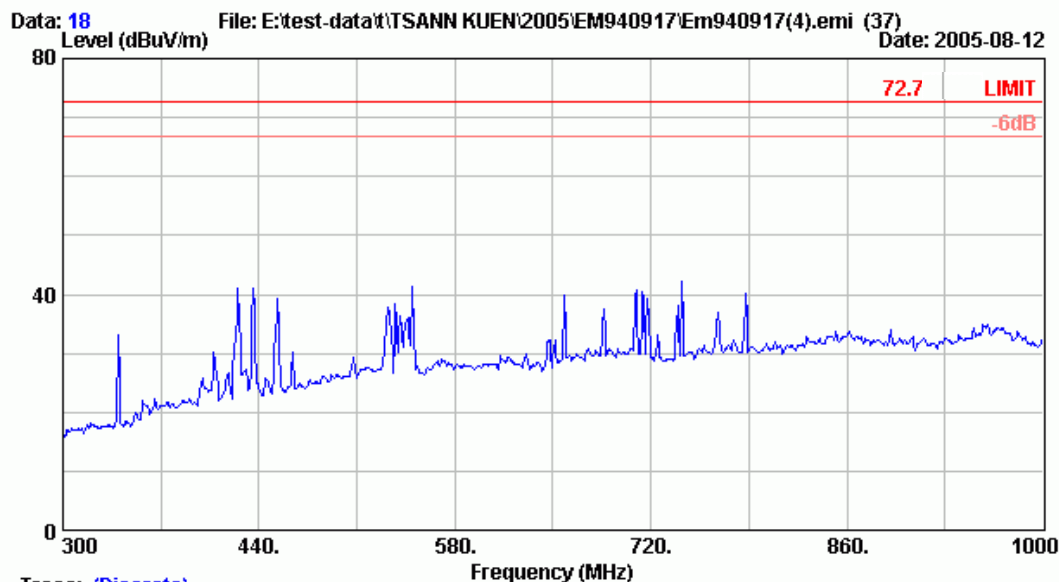


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 7
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Soup		
	700 milliliters of waters in the beaker located in the center of the oven		



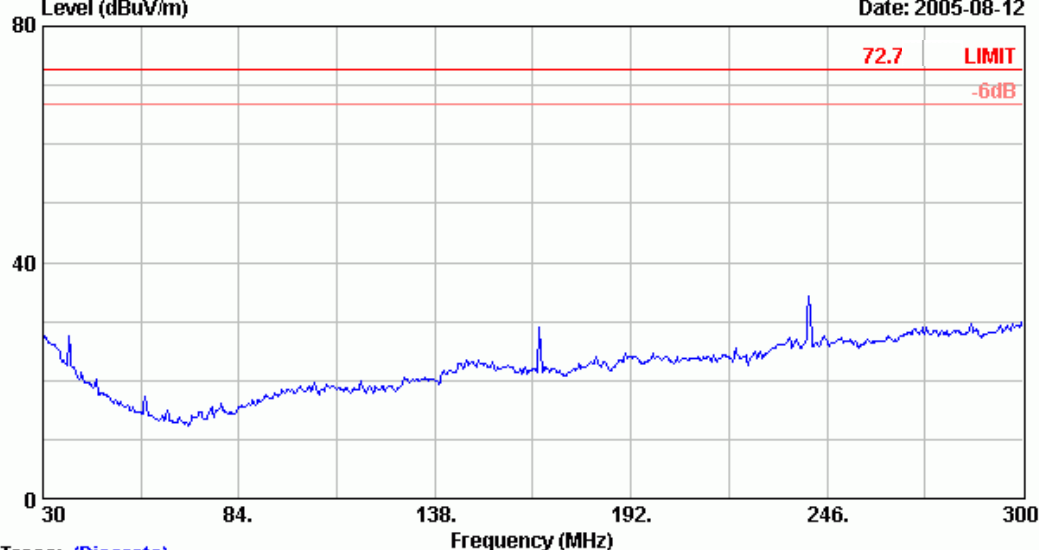
Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 18
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Soup		
	700 milliliters of waters in the beaker located in the center of the oven		



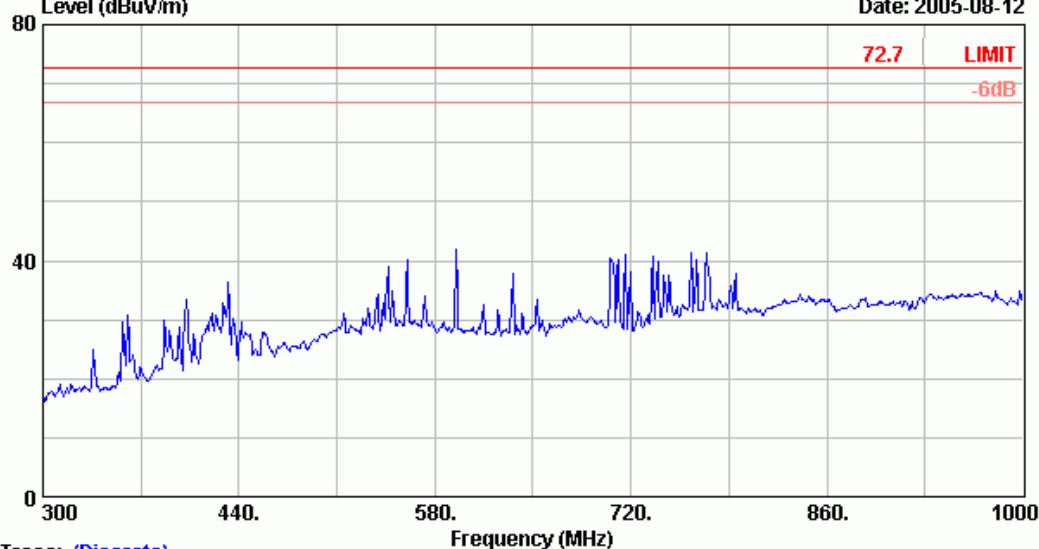
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Data: **8** File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(4).emi (37) Date: 2005-08-12



Trace: (Discrete)
Site no. : A/C Chamber Data no. : 8
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Soup
700 milliliters of waters in the beaker
located in the center of the oven

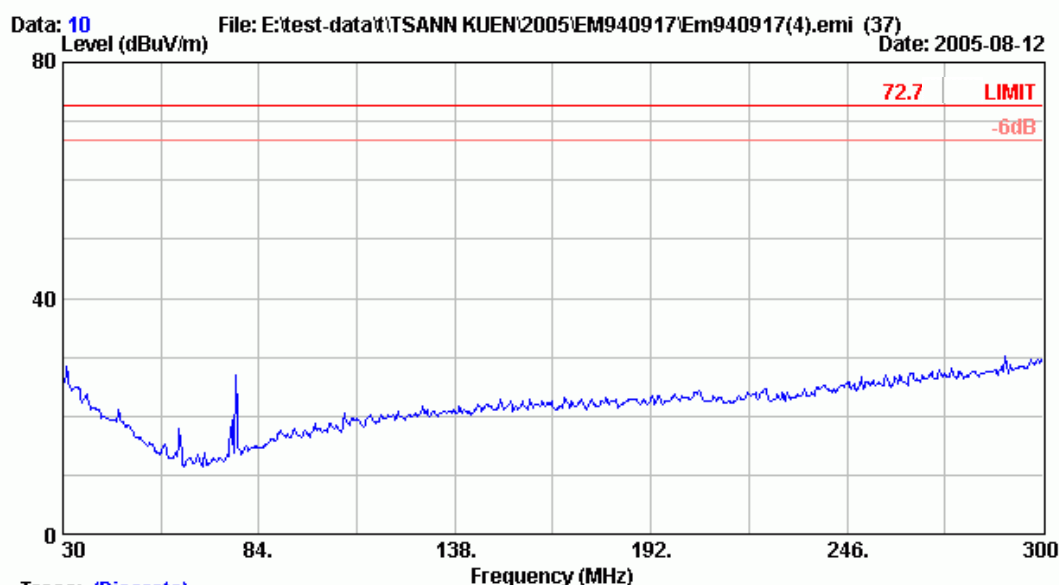
Data: **17** File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(4).emi (37) Date: 2005-08-12



Trace: (Discrete)
Site no. : A/C Chamber Data no. : 17
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Soup
700 milliliters of waters in the beaker
located in the center of the oven

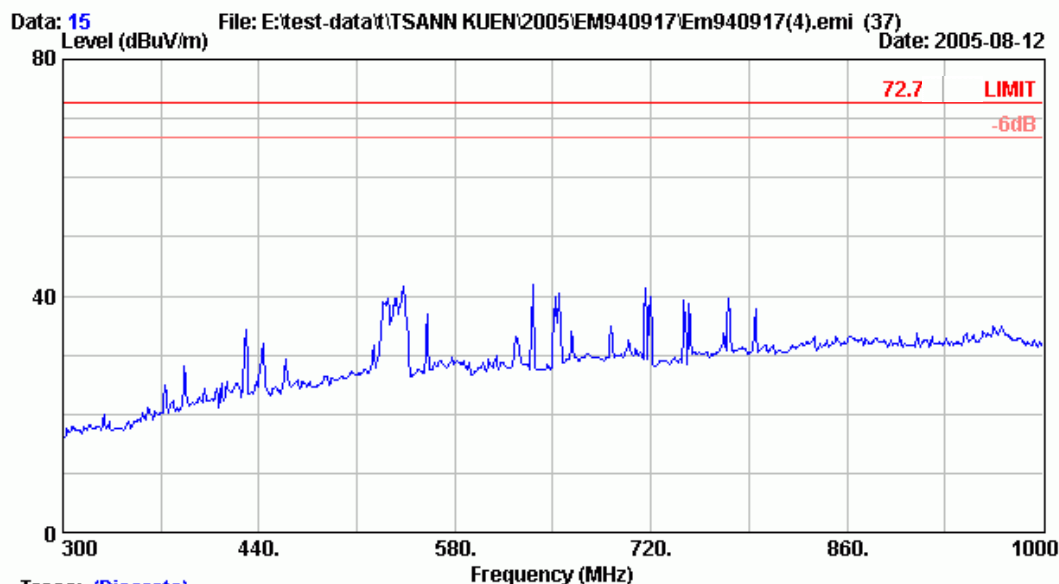


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 10
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Cass		
	700 milliliters of waters in the beaker located in the center of the oven		



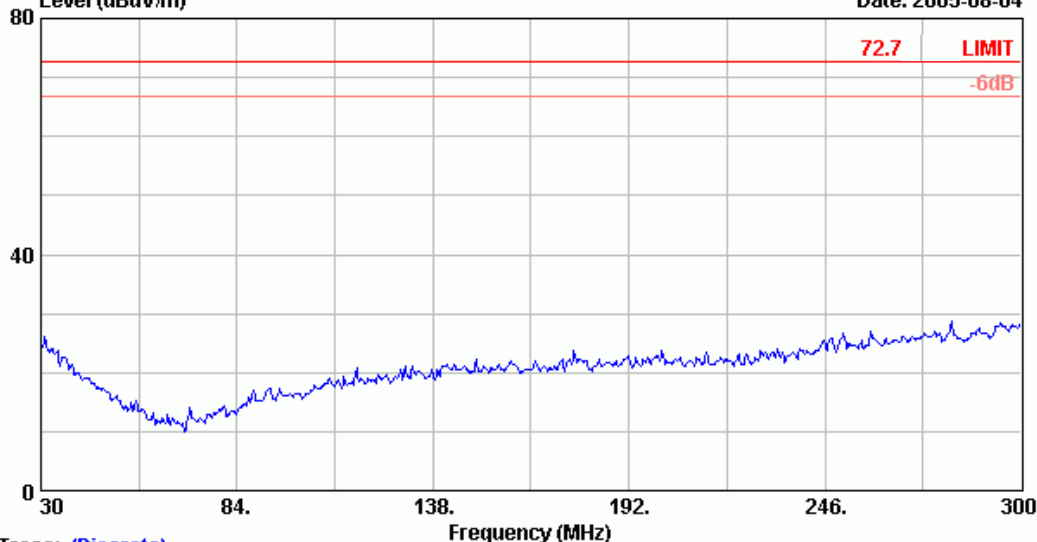
Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 15
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Cass		
	700 milliliters of waters in the beaker located in the center of the oven		



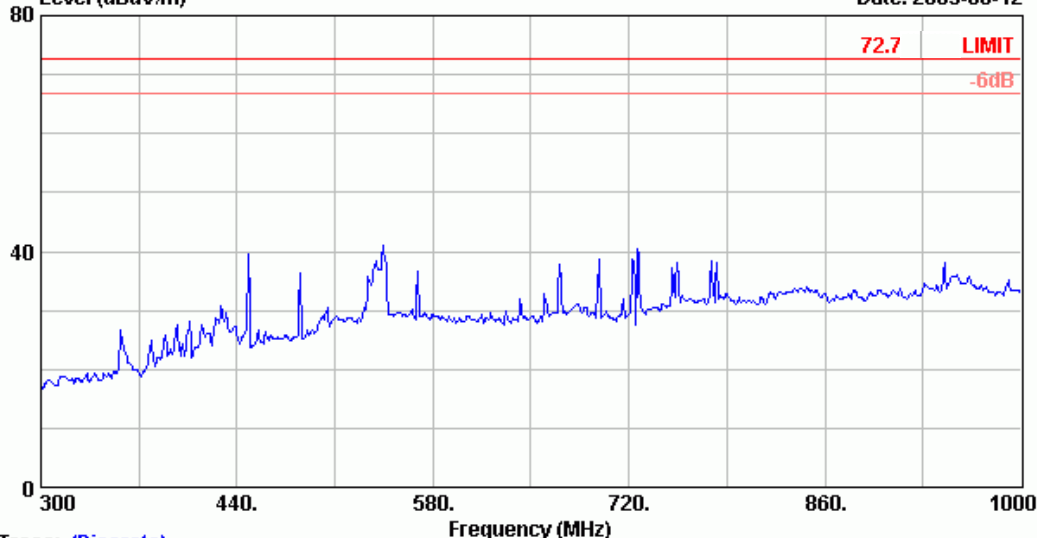
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Data: 9 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 9
 Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL
 Limit : 72.7 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402EMM
 Power Rating : 120Vac/60Hz
 Test Mode : Cass
 700 milliliters of waters in the beaker
 located in the center of the oven

Data: 16 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(4).emi (37) Date: 2005-08-12

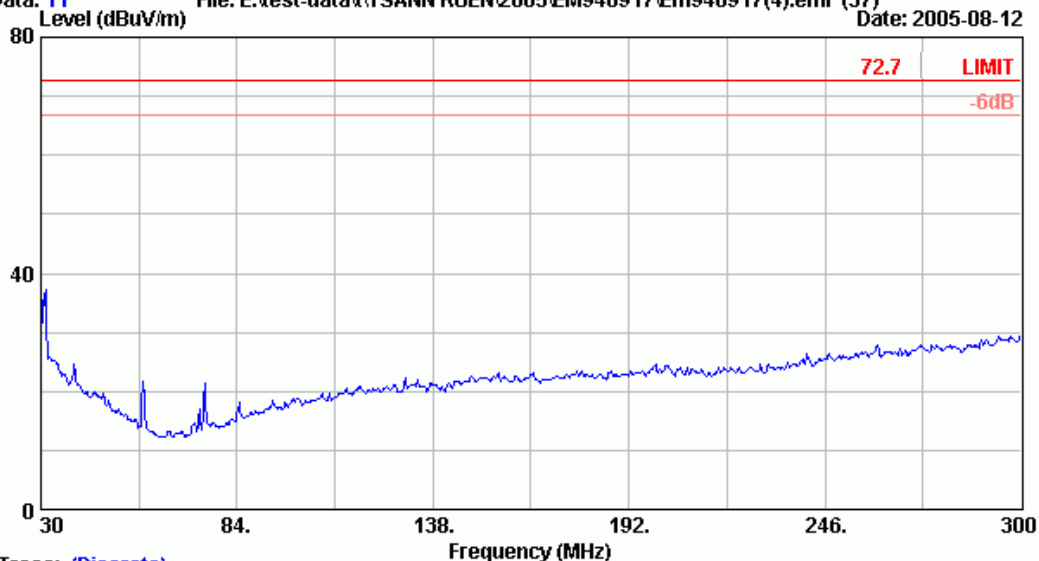


Site no. : A/C Chamber Data no. : 16
 Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL
 Limit : 72.7 dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:TSK-8402EMM
 Power Rating : 120Vac/60Hz
 Test Mode : Cass
 700 milliliters of waters in the beaker
 located in the center of the oven



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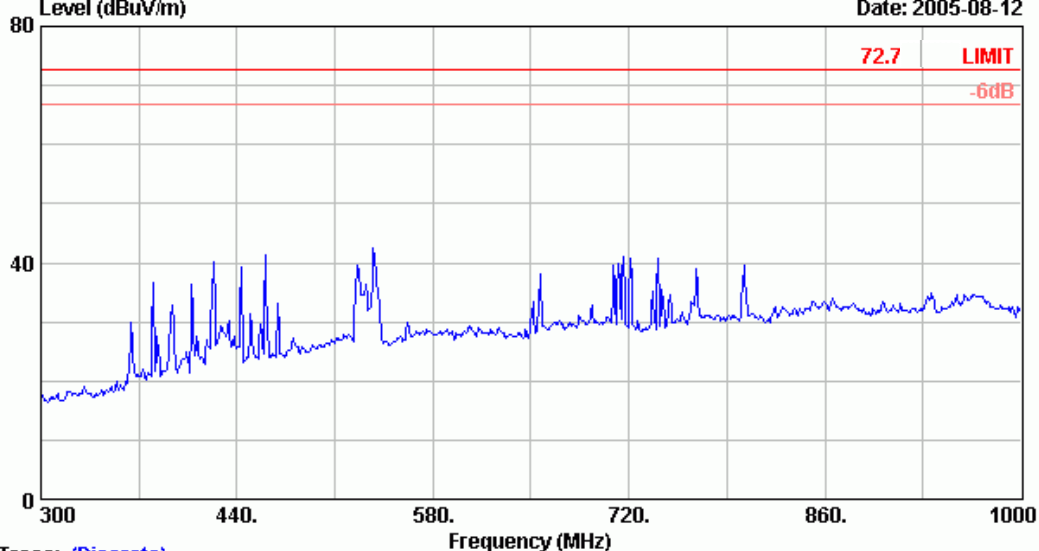
Data: 11 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(4).emi (37) Date: 2005-08-12



Trace: (Discrete)

Site no. : A/C Chamber Data no. : 11
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Sing
700 milliliters of waters in the beaker
located in the center of the oven

Data: 14 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(4).emi (37) Date: 2005-08-12

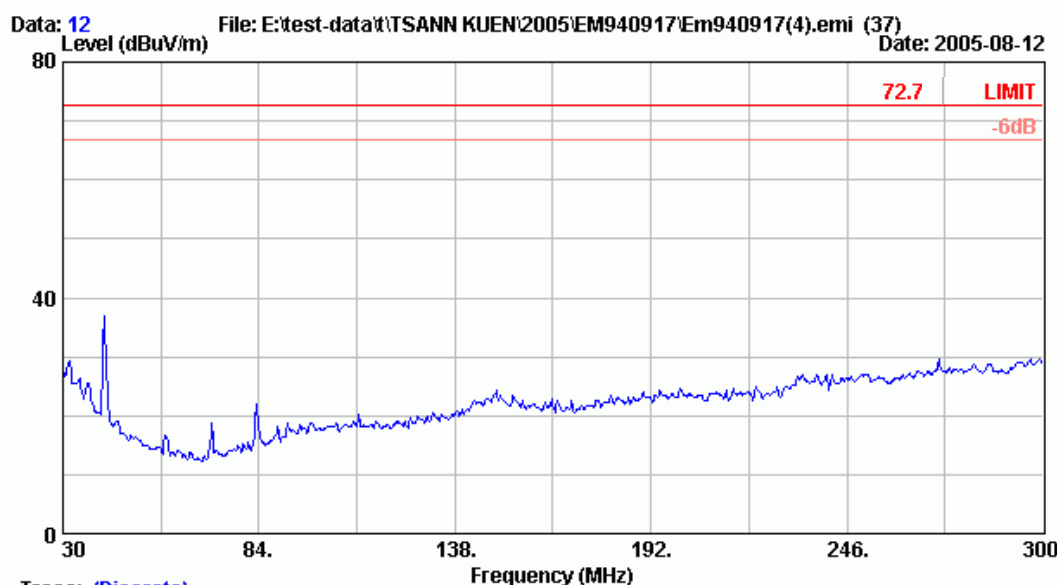


Trace: (Discrete)

Site no. : A/C Chamber Data no. : 14
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Sing
700 milliliters of waters in the beaker
located in the center of the oven

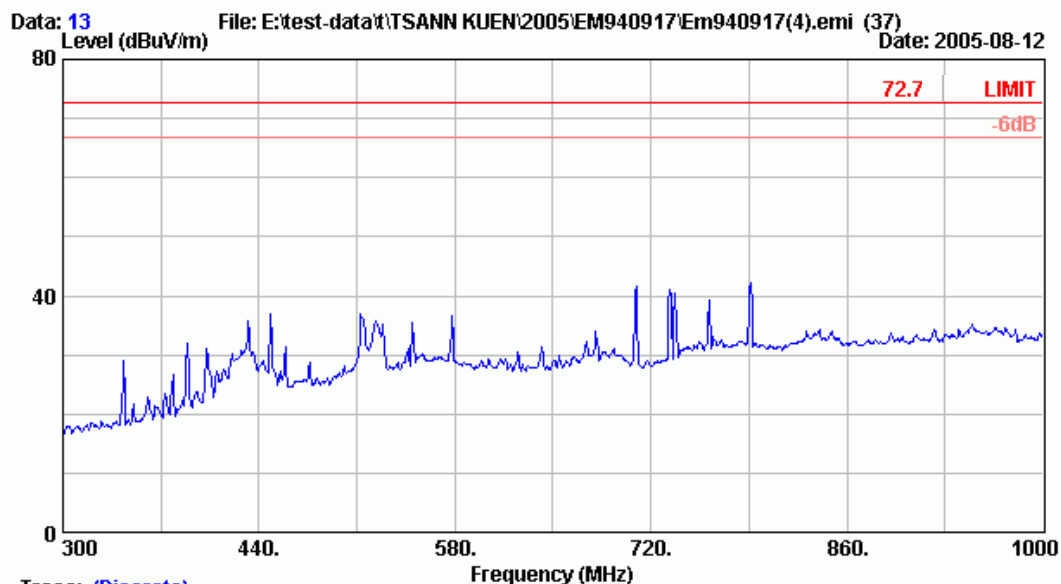


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 12
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Sing		
	700 milliliters of waters in the beaker located in the center of the oven		

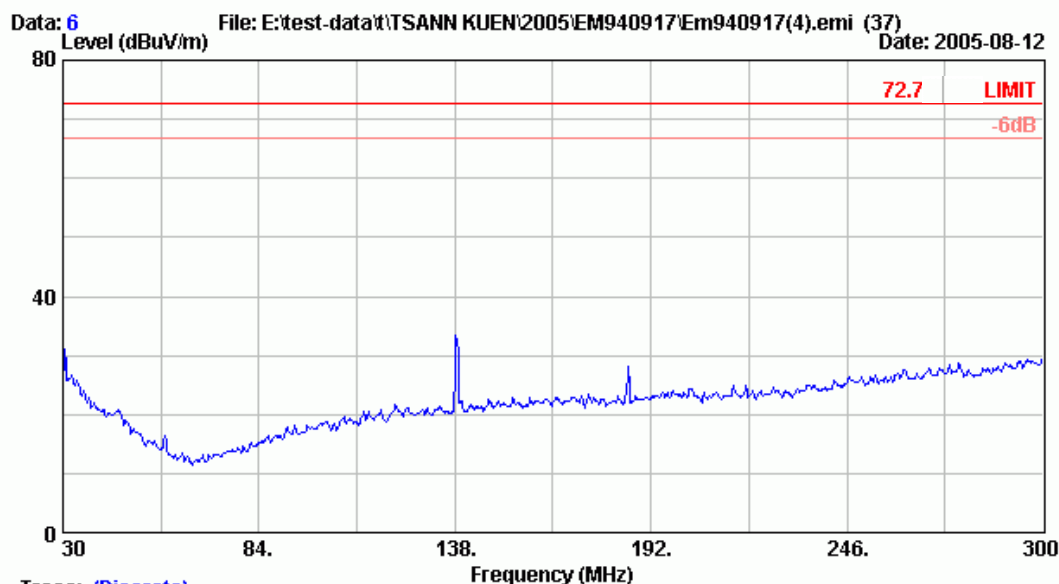


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 13
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: VERTICAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Sing		
	700 milliliters of waters in the beaker located in the center of the oven		

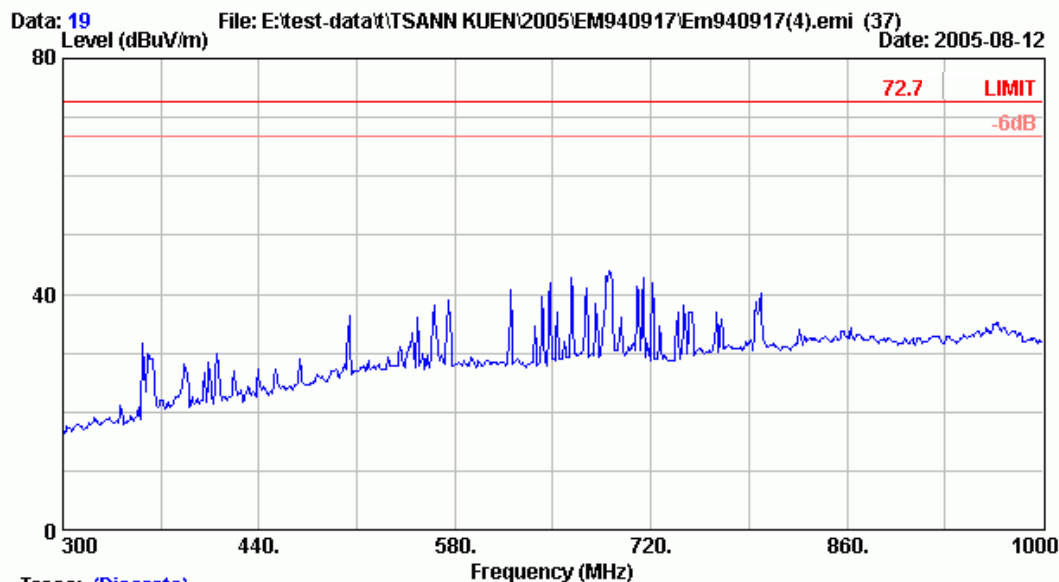


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 6
Dis. / Ant.	: 3m BBA9106(A3L)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Auto Defrost		
	700 milliliters of waters in the beaker located in the center of the oven		

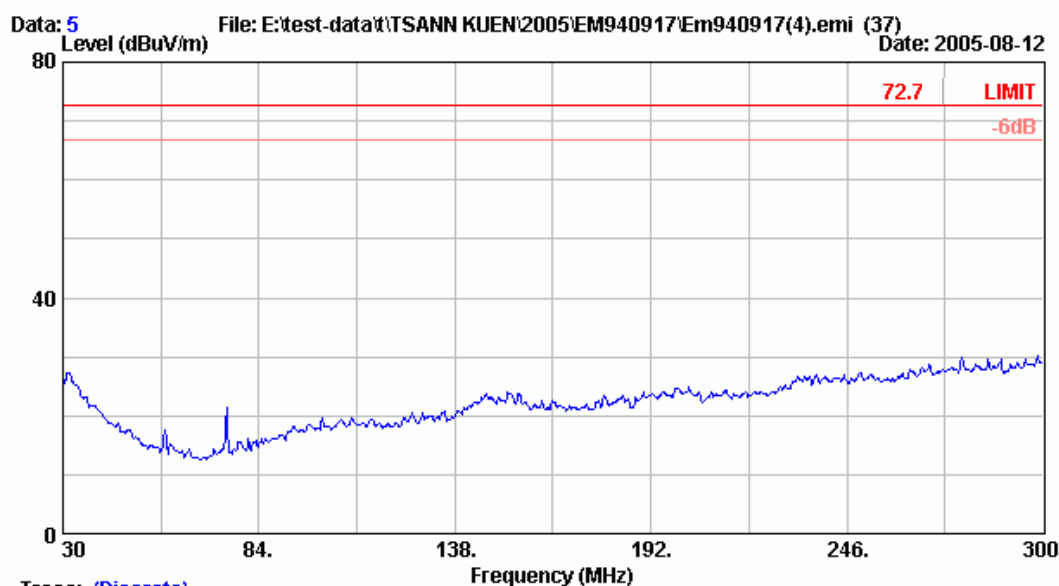


Trace: (Discrete)

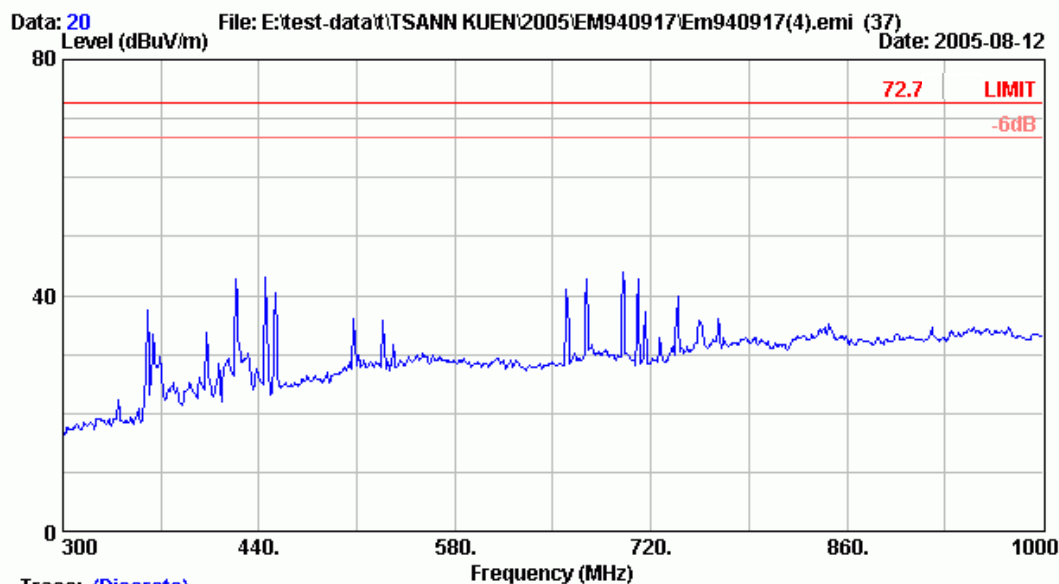
Site no.	: A/C Chamber	Data no.	: 19
Dis. / Ant.	: 3m UHALP9108-A(0139)	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:TSK-8402EMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Auto Defrost		
	700 milliliters of waters in the beaker located in the center of the oven		



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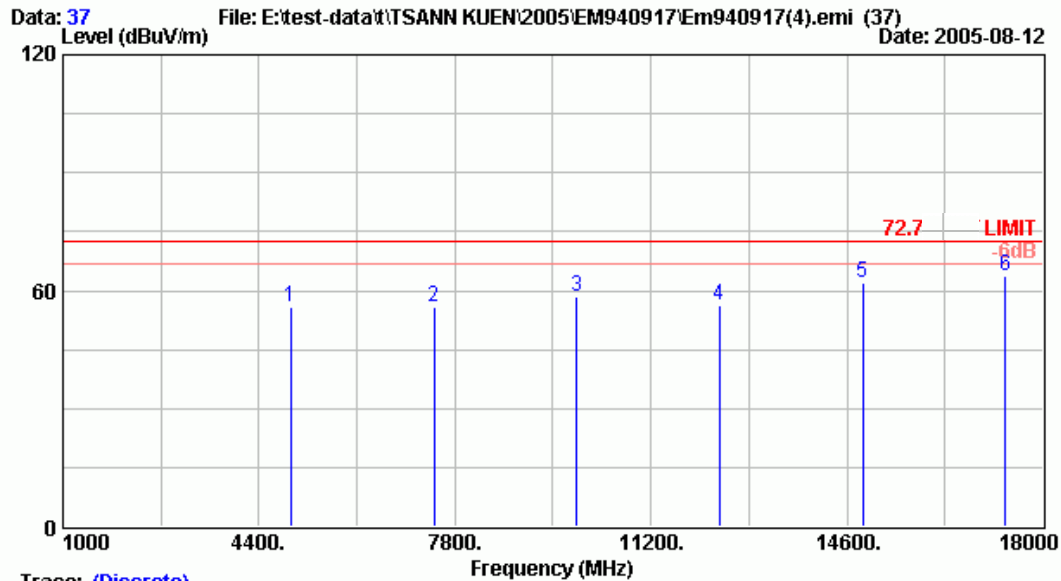
Site no. : A/C Chamber Data no. : 5
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Auto Defrost
700 milliliters of waters in the beaker
located in the center of the oven



Site no. : A/C Chamber Data no. : 20
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:TSK-8402EMM
Power Rating : 120Vac/60Hz
Test Mode : Auto Defrost
700 milliliters of waters in the beaker
located in the center of the oven



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Trace: (Discrete)

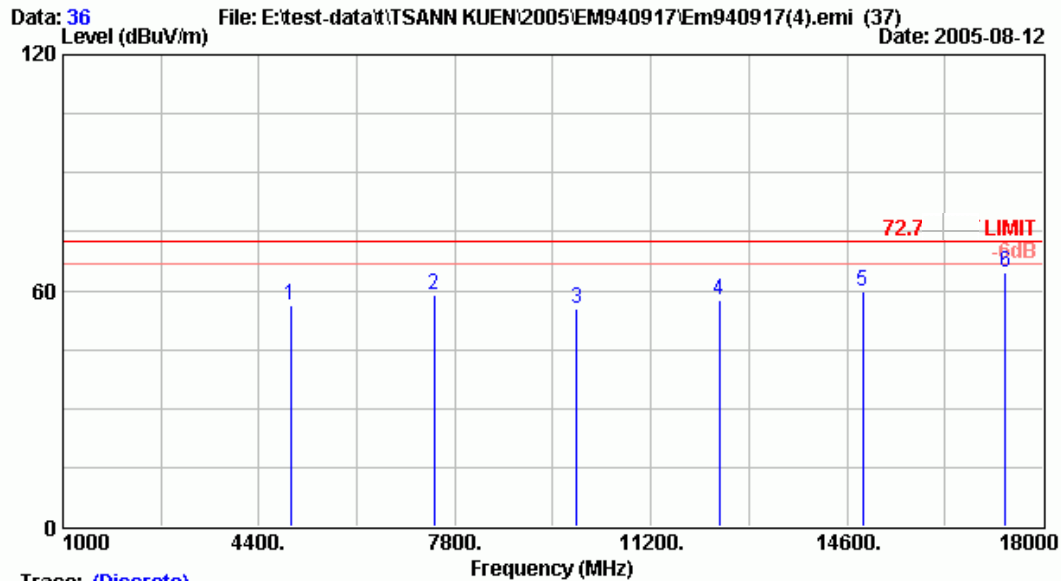
Site no. : A/C Chamber Data no. : 37
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:840XEMM
Power Rating : 120Vac/60Hz
Test Mode : Max
700 milliliters of waters in the beaker
located in the center of the oven

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1 4955.800	33.99	9.10	12.89	55.99	72.70	16.71	Average
2 7433.700	37.25	11.61	6.87	55.74	72.70	16.96	Average
3 9911.600	38.60	12.88	7.01	58.49	72.70	14.21	Average
4 12389.500	38.94	15.01	2.26	56.20	72.70	16.50	Average
5 14867.400	38.65	16.93	6.55	62.13	72.70	10.57	Average
6 17345.300	44.27	17.37	1.88	63.52	72.70	9.18	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

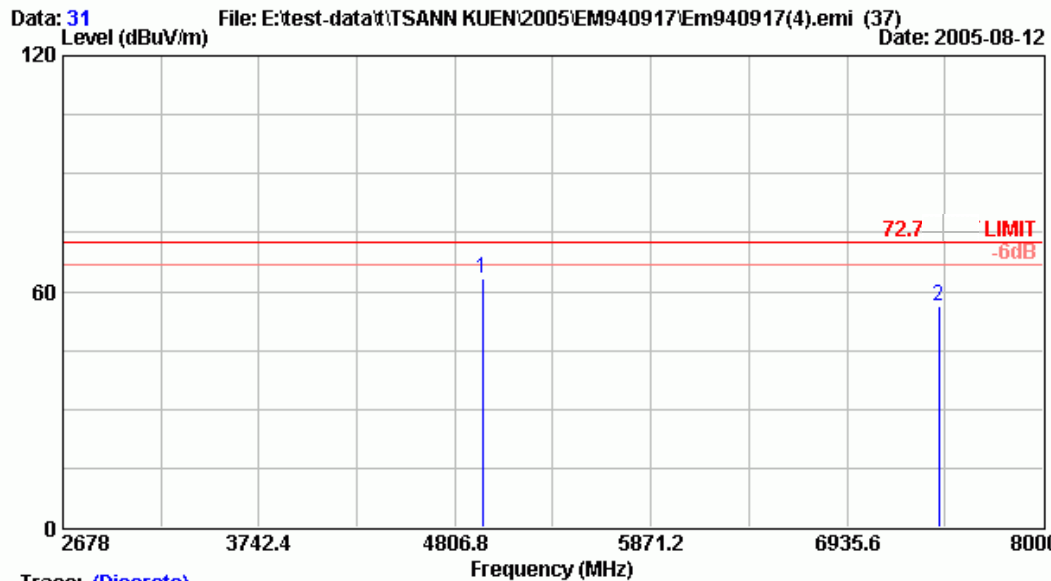
Site no. : A/C Chamber Data no. : 36
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:840XEMM
Power Rating : 120Vac/60Hz
Test Mode : Max
700 milliliters of waters in the beaker
located in the center of the oven

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Remark
1 4955.800	33.99	9.10	13.03	56.13	72.70	16.57	Average
2 7433.700	37.25	11.61	9.86	58.73	72.70	13.97	Average
3 9911.600	38.60	12.88	3.71	55.19	72.70	17.51	Average
4 12389.500	38.94	15.01	3.57	57.51	72.70	15.19	Average
5 14867.400	38.65	16.93	4.29	59.87	72.70	12.83	Average
6 17345.300	44.27	17.37	3.01	64.65	72.70	8.05	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 31
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:840XEMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Max		

700 milliliters of waters in the beaker
located in the right of the oven

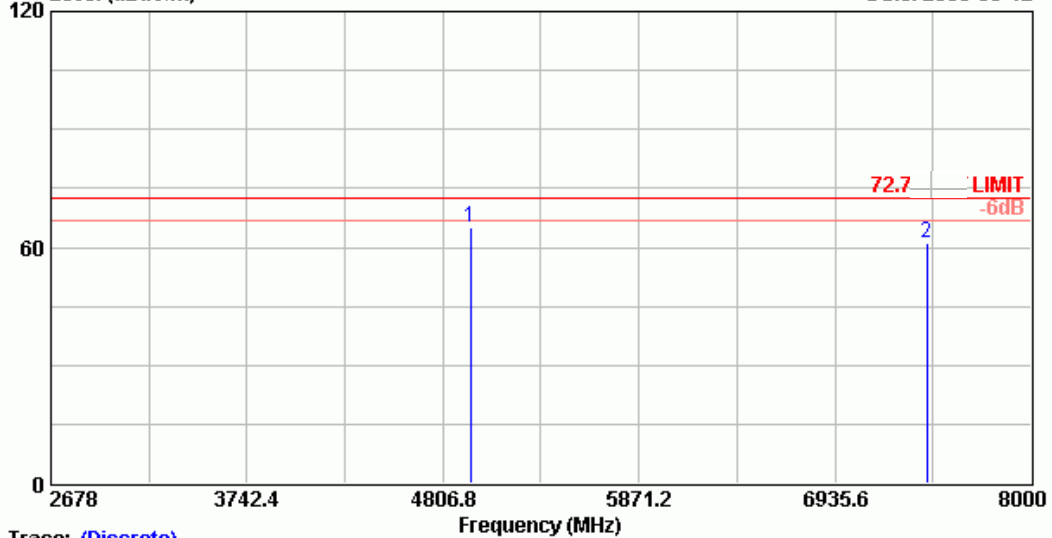
Freq. (MHz)	Ant. Cable		Emission		Limits (dB μ V/m)	Margin (dB)	Remark
	Factor (dB/m)	Loss (dB)	Reading (dB μ V)	Level (dB μ V/m)			
1 4955.800	33.99	9.10	20.00	63.10	72.70	9.60	Average
2 7433.700	37.25	11.61	7.37	56.23	72.70	16.47	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Data: 30 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(4).emi (37) Date: 2005-08-12
Level (dBuV/m)



Trace: (Discrete)

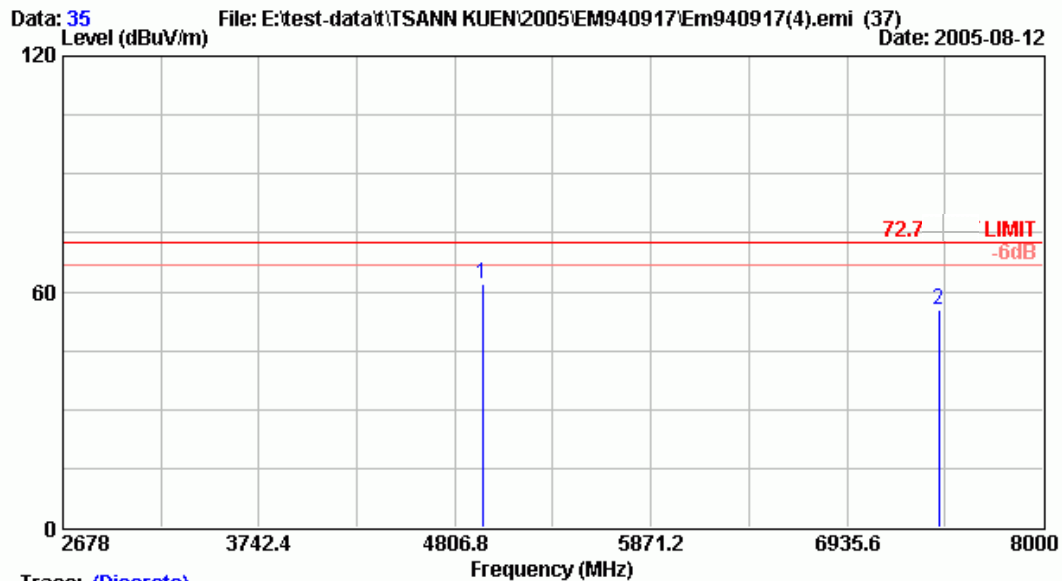
Site no. : A/C Chamber Data no. : 30
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:840XEMM
Power Rating : 120Vac/60Hz
Test Mode : Max
700 milliliters of waters in the beaker
located in the right of the oven

		Ant. Cable		Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4955.800	33.99	9.10	22.13	65.23	72.70	7.47	Average	
2 7433.700	37.25	11.61	12.28	61.14	72.70	11.56	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official limit are not reported.



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Trace: (Discrete)

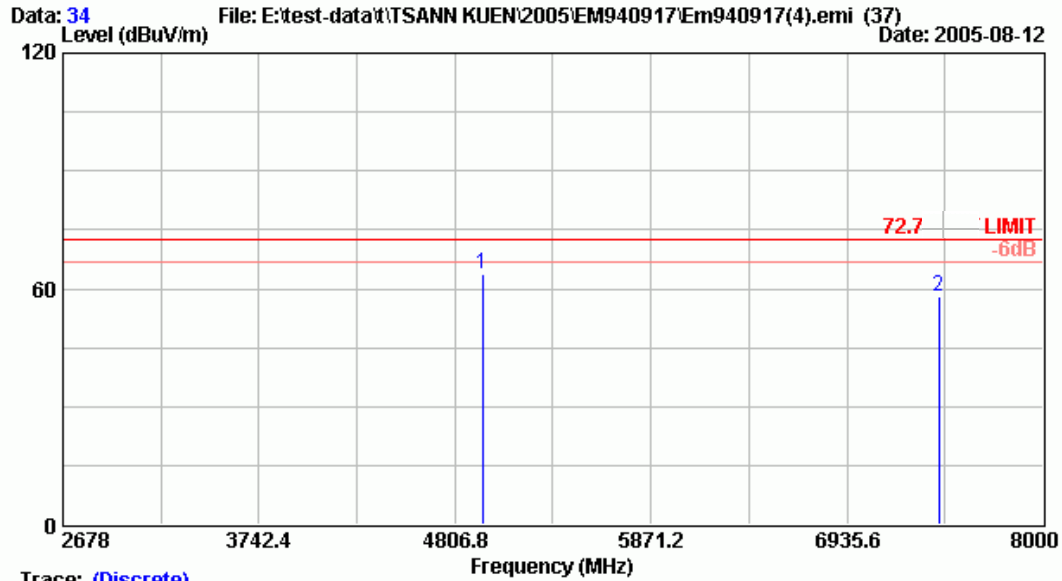
Site no. : A/C Chamber Data no. : 35
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:840XEMM
Power Rating : 120Vac/60Hz
Test Mode : Max
300 milliliters of waters in the beaker
located in the center of the oven

Freq. (MHz)	Ant. Cable		Emission		Limits (dB μ V/m)	Margin (dB)	Remark
	Factor (dB/m)	Loss (dB)	Reading (dB μ V)	Level (dB μ V/m)			
1 4955.800	33.99	9.10	19.07	62.17	72.70	10.53	Average
2 7433.700	37.25	11.61	6.70	55.56	72.70	17.14	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

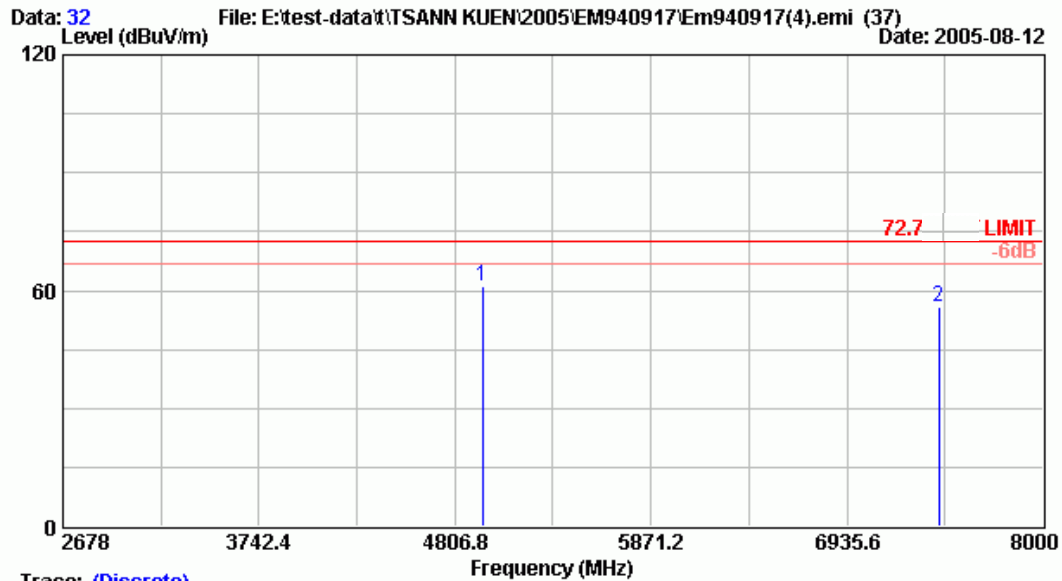
Site no. : A/C Chamber Data no. : 34
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : 72.7 dB μ V/m
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
EUT : Microwave Oven M/N:840XEMM
Power Rating : 120Vac/60Hz
Test Mode : Max
300 milliliters of waters in the beaker
located in the center of the oven

Freq. (MHz)	Ant. Cable		Emission		Limits (dB μ V/m)	Margin (dB)	Remark
	Factor (dB/m)	Loss (dB)	Reading (dB μ V)	Level (dB μ V/m)			
1 4955.800	33.99	9.10	20.78	63.88	72.70	8.82	Average
2 7433.700	37.25	11.61	9.07	57.93	72.70	14.77	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 32
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: 72.7 dB μ V/m		
Env. / Ins.	: 8593EM 20°C/69%	Enginner	: Hyper Chang
EUT	: Microwave Oven M/N:840XEMM		
Power Rating	: 120Vac/60Hz		
Test Mode	: Max		

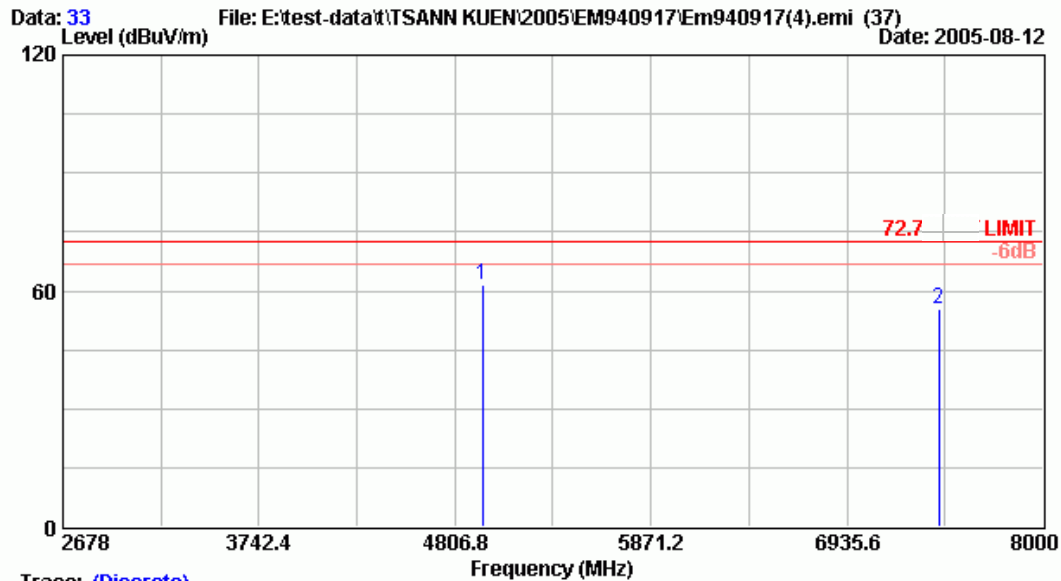
300 milliliters of waters in the beaker
located in the right of the oven

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dB μ V)	Emission		Limits (dB μ V/m)	Margin (dB)	Remark
				Level				
1 4955.800	33.99	9.10	17.96	61.06		72.70	11.64	Average
2 7433.700	37.25	11.61	6.86	55.72		72.70	16.98	Average

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
2. The emission levels that are 20dB below the official
limit are not reported.



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Trace: (Discrete)

Site no. : A/C Chamber Data no. : 33
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 72.7DB dB μ V/m
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang
 EUT : Microwave Oven M/N:840XEMM
 Power Rating : 120Vac/60Hz
 Test Mode : Max
 300 milliliters of waters in the beaker
 located in the right of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4955.800	33.99	9.10	18.28	61.38	72.70	11.32	Average	
2 7433.700	37.25	11.61	6.56	55.42	72.70	17.28	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
 2. The emission levels that are 20dB below the official limit are not reported.

8. DEVIATION TO TEST SPECIFICATIONS

【NONE】

9. PHOTOGRAPHS

9.1. Photo of Input Power Measurement

M/N : TSK-8402AMM



M/N : TSK-8402EMM



9.2. Photo of Output Frequency Measurement

M/N : TSK-8402AMM



M/N : TSK-8402EMM



9.3. Photo of Frequency Measurement

M/N : TSK-8402AMM



M/N : TSK-8402EMM



9.4. Photos of Conducted Emission Measurement

M/N : TSK-8402AMM



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT

M/N : TSK-8402EMM



FRONT VIEW OF RADIATED MEASUREMENT



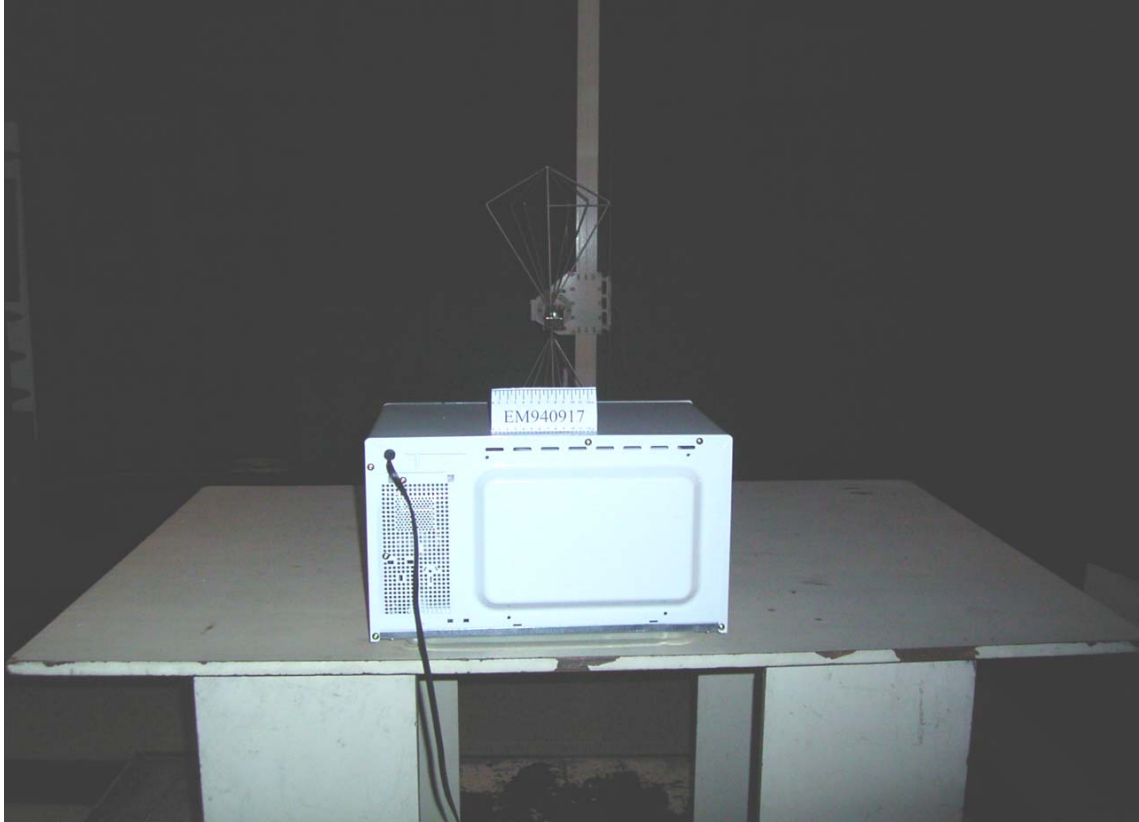
BACK VIEW OF RADIATED MEASUREMENT

9.5. Photos of Radiated Measurement at Semi-Anechoic Chamber (Below 1GHz)

M/N : TSK-8402AMM



FRONT VIEW OF RADIATED MEASUREMENT

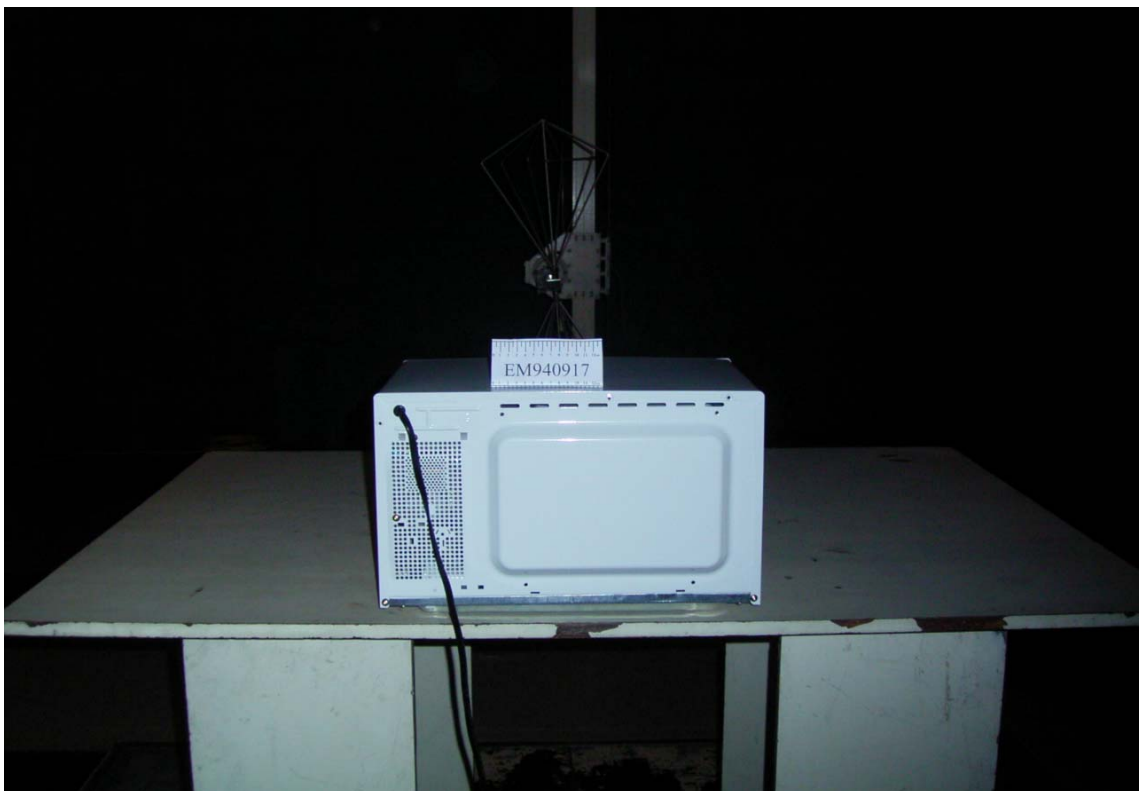


BACK VIEW OF RADIATED MEASUREMENT

M/N : TSK-8402EMM



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT

9.6. Photos of Radiated Measurement at Semi-Anechoic Chamber (Above 1GHz)
M/N : TSK-8402AMM



FRONT VIEW OF RADIATED MEASUREMENT

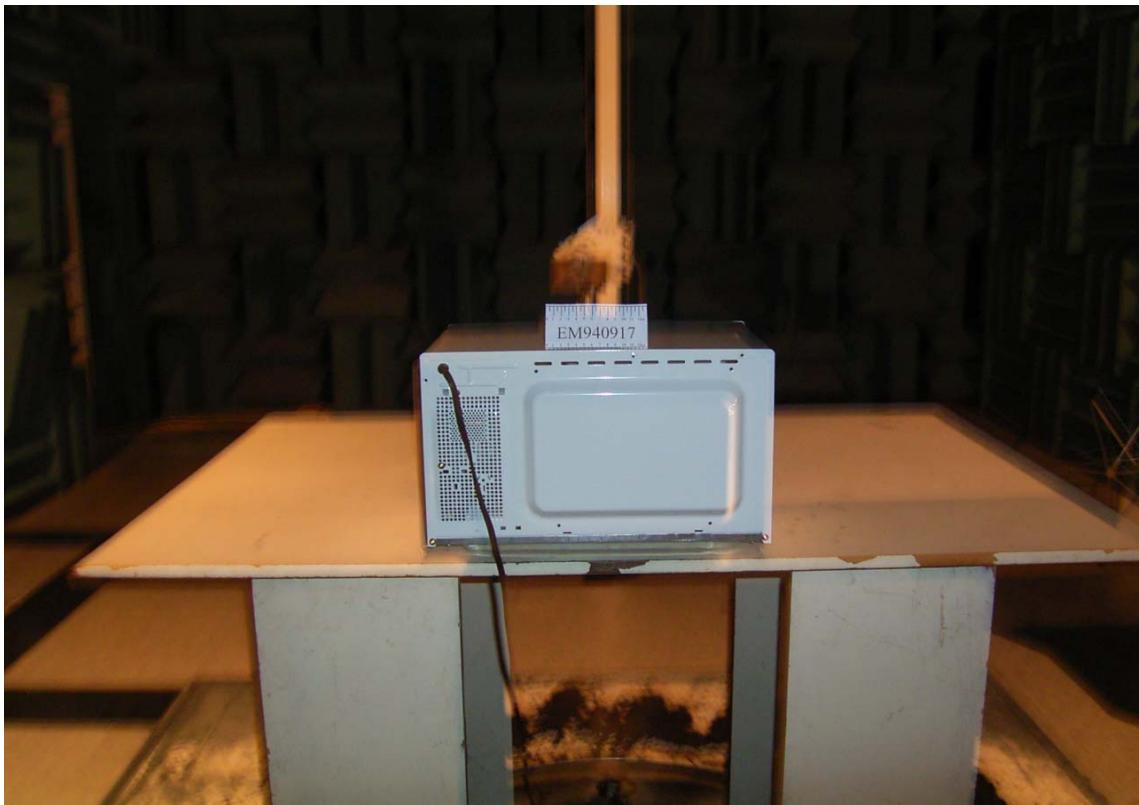


BACK VIEW OF RADIATED MEASUREMENT

M/N : TSK-8402EMM



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT