

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 2<sup>nd</sup> 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<br>(Mechanical Type) | See Appearance Photo               | Not Provide  | #1 (Magnetron : Witol, Type No. 2M315H +<br>H.V. Transformer : Yunlu, Type No. KHT-R701ACK)<br>#2 (Magnetron : Toshiba, Type No. 2M231CH(EP)-A +<br>H.V. Transformer : DPC, Type No. EUPA-700A)<br>#3 Magnetron : Matsushita, Type 2M211A-M2J +<br>H.V. Transformer : DPC, Type No. EUPA-700A)<br>#4 (Magnetron : Matsushita, Type 2M211A-M2J +<br>H.V. Transformer : Yunlu, Type No. KHT-R701ACK) | #1 Tsann Kuen,<br>Type No. TKM-M01<br>#2 Tsann Kuen,<br>Type No. TKM-M02<br>#3 Heng Cheng,<br>Type No. YJF62A-120 |
| TSK-8402AMM<br>(Mechanical Type) | See Appearance Photo               | Not Provide  |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                   |
| TSK-8403AMM<br>(Mechanical Type) | See Appearance Photo               | Not Provide  |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                   |
| TSK-8404AMM<br>(Mechanical Type) | See Appearance Photo               | Not Provide  |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                   |
| TSK-8401EMM<br>(Electronic Type) | See Appearance Photo               | Provide      |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                   |
| TSK-8402EMM<br>(Electronic Type) | See Appearance Photo               | Provide      |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                   |
| TSK-8403EMM<br>(Electronic Type) | See Appearance Photo               | Provide      |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                   |
| TSK-8404EMM<br>(Electronic Type) | See Appearance Photo               | Provide      |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                   |
| TSK-8403E<br>(Electronic Type)   | See Appearance Photo               | Provide      |                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                   |
| TSK-8404E<br>(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.<br>3, Kai Fa 2 <sup>nd</sup> Road, Pao An Industrial District,<br>Ren Teh Hsiang, Tainan, Taiwan                     |
| Manufacturer              | : | Tsann Kuen (Zhangzhou) Enterprise Co., Ltd.<br>Tsann Kuen Industrial Park, Longchi<br>Development District, Zhangzhou, Fujian,<br>363000, P.R. China |
| Magnetron                 | : | #1 Witol, Type No. 2M315H<br>#2 Toshiba, Type No. 2M231CH(EP)-A<br>#3 Matsushita, Type No. 2M211A-M2J                                                |
| H.V. Transformer          | : | #1 Yunlu, Type No. KHT-R701ACK<br>#2 DPC, Type No. EUPA-700A                                                                                         |
| Fan Motor                 | : | #1 Tsann Kuen, Type No. TKM-M01<br>#2 Tsann Kuen, Type No. TKM-M02<br>#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<br>(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 :

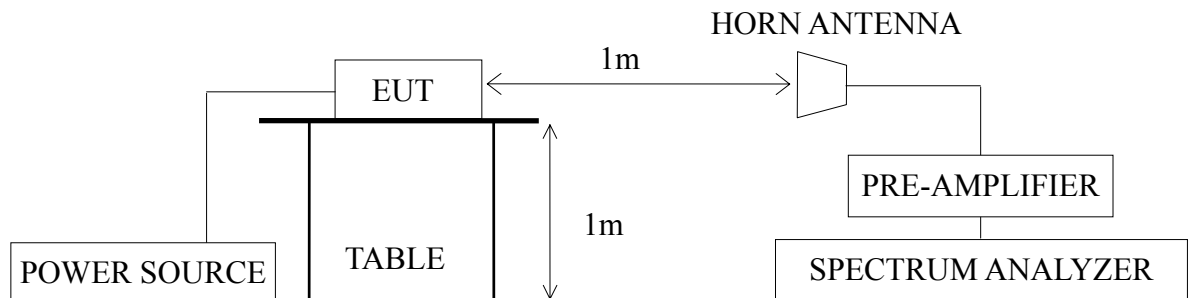
| Item | Type              | Manufacturer | Model No. | Serial No. | Last Cal.    | Next Cal.    |
|------|-------------------|--------------|-----------|------------|--------------|--------------|
| 1.   | Spectrum Analyzer | HP           | 8593EM    | 3826A00248 | Oct. 04, 04' | Oct. 03, 05' |
| 2.   | 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 :

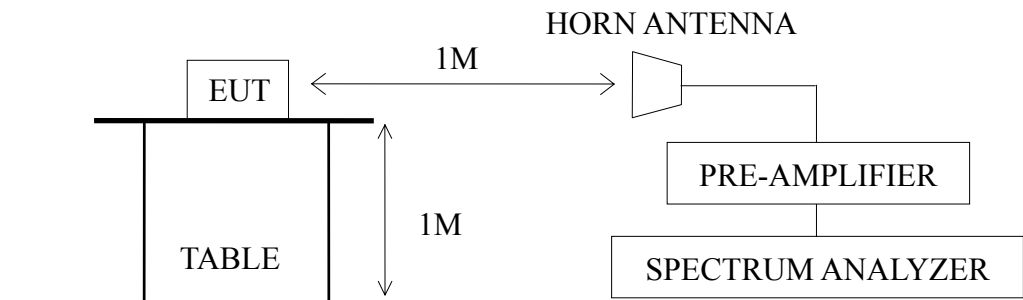
| Item | Type              | Manufacturer | Model No. | Serial No. | Last Cal.    | Next Cal.    |
|------|-------------------|--------------|-----------|------------|--------------|--------------|
| 1.   | Spectrum Analyzer | HP           | 8593EM    | 3826A00248 | Oct. 04, 04' | Oct. 03, 05' |
| 2.   | 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:  $2.4\text{GHz} < f < 2.5\text{GHz}$

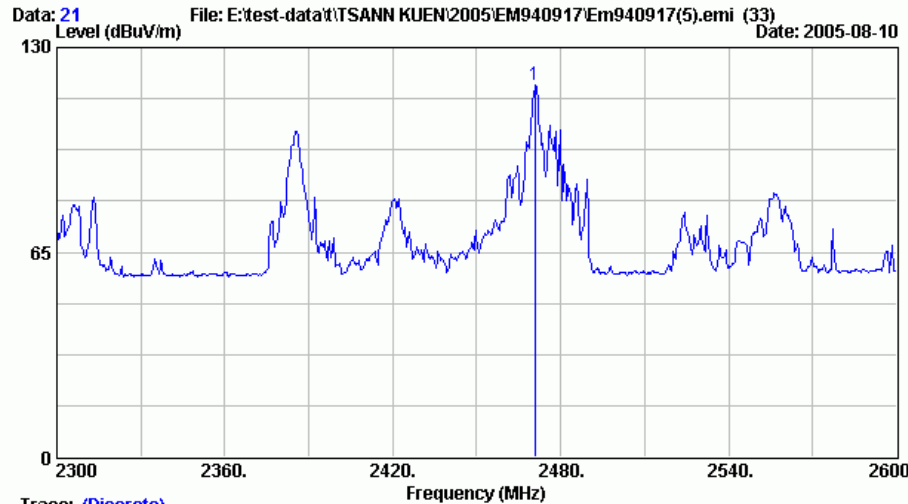
Maximum Frequency Observed: 2474.6MHz

Minimum Frequency Observed: 2447.6MHz

Results: PASSED.

**Fundamental Frequency: 2470.7MHz**

AUDIX Corp. EMC Laboratory  
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei  
County, Taiwan R.O.C. Post Code:24443  
Tel:02-26092133 Fax:02-26099303  
Email:ttemc@ttemc.com.tw

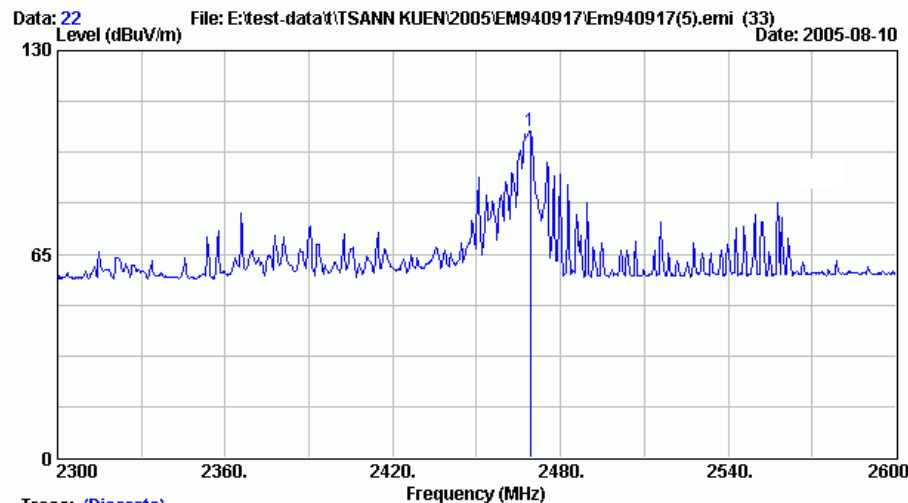


Trace: (Discrete)

|              |                                  |           |               |
|--------------|----------------------------------|-----------|---------------|
| 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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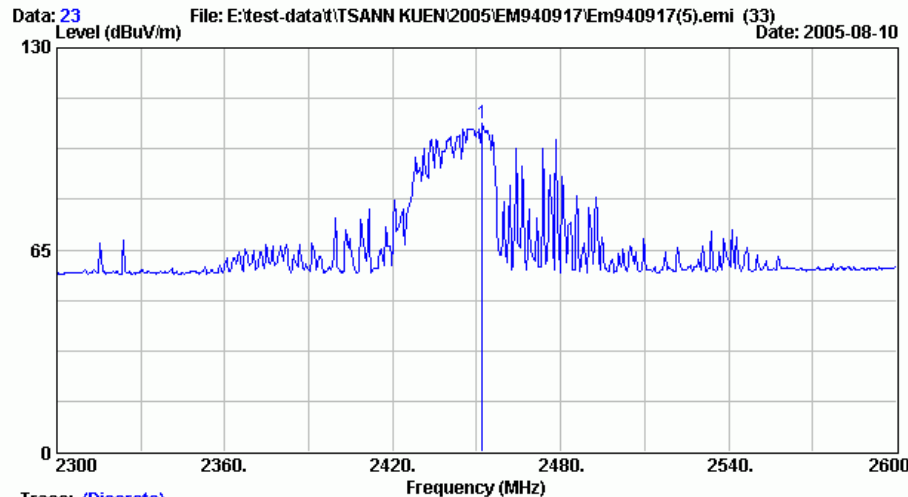
Trace: (Discrete)

|              |                                           |           |               |
|--------------|-------------------------------------------|-----------|---------------|
| 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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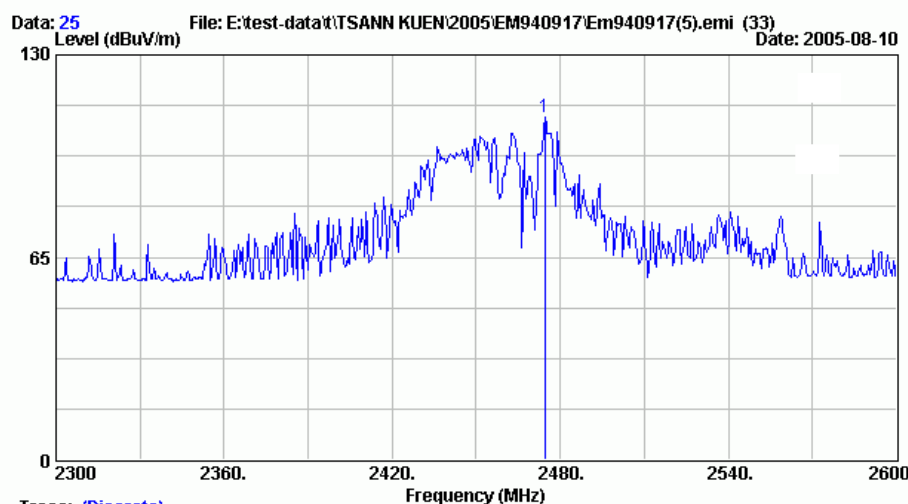


Trace: (Discrete)

|              |                                                                               |           |               |
|--------------|-------------------------------------------------------------------------------|-----------|---------------|
| 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<br>located in the center of the oven |           |               |

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

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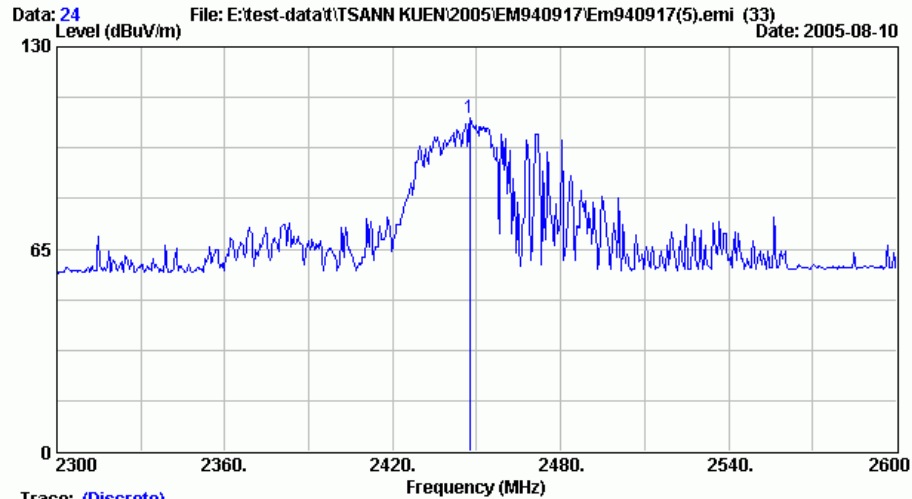


Trace: (Discrete)

|              |                                                                               |           |               |
|--------------|-------------------------------------------------------------------------------|-----------|---------------|
| 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<br>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:  $2.4\text{GHz} < f < 2.5\text{GHz}$ 

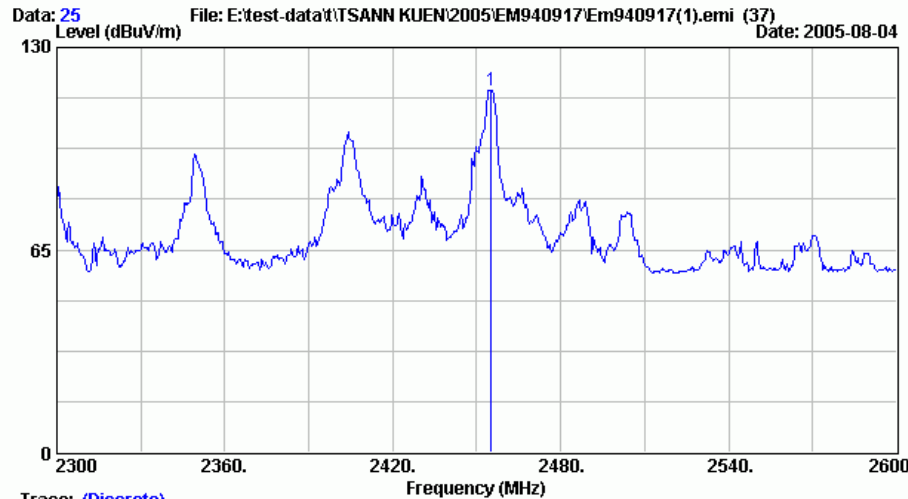
Maximum Frequency Observed: 2453.6MHz

Minimum Frequency Observed: 2450.9MHz

Results: PASSED.

**Fundamental Frequency: 2455.1MHz**

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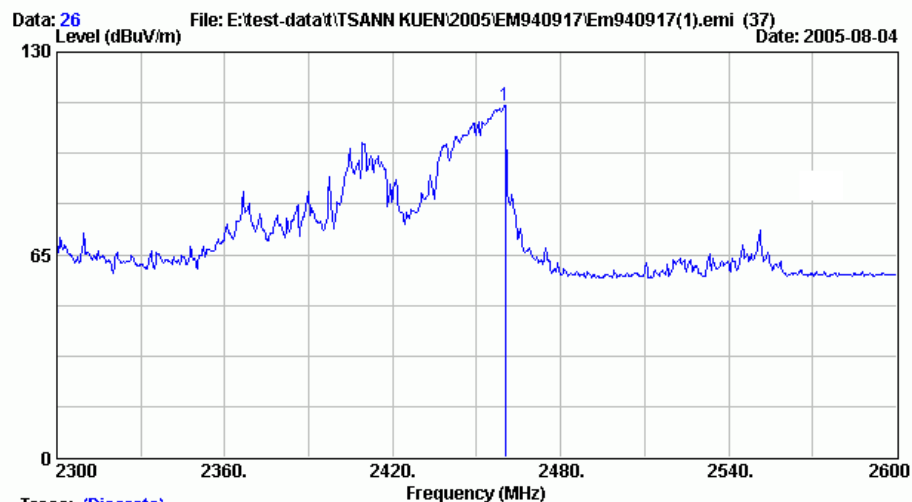


Trace: (Discrete)

|                                      |                        |
|--------------------------------------|------------------------|
| 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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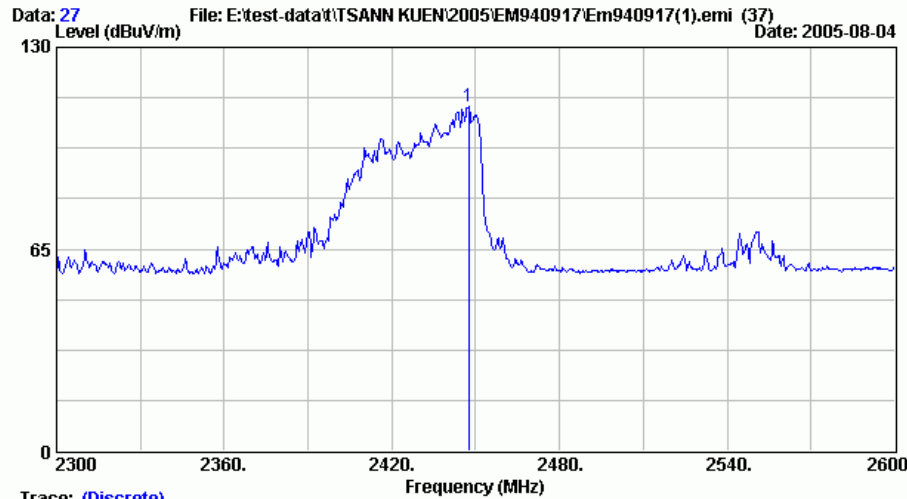


Trace: (Discrete)

|                                         |                        |
|-----------------------------------------|------------------------|
| 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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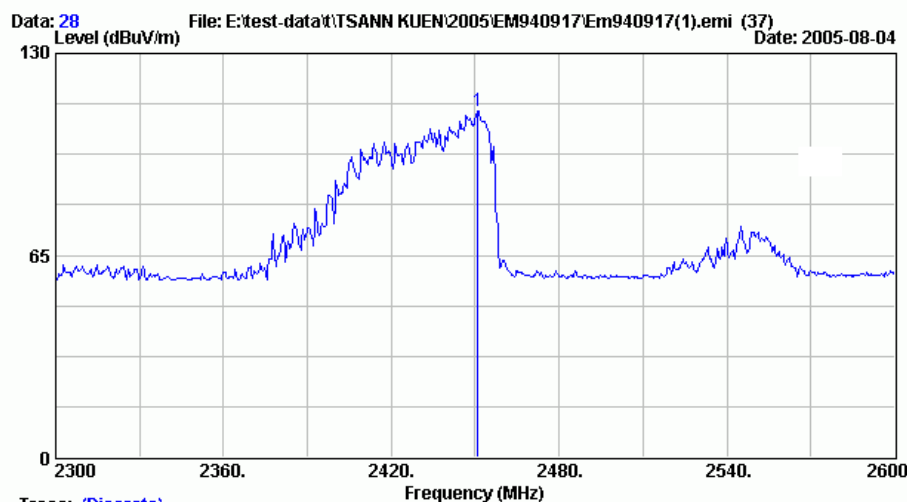


Trace: (Discrete)

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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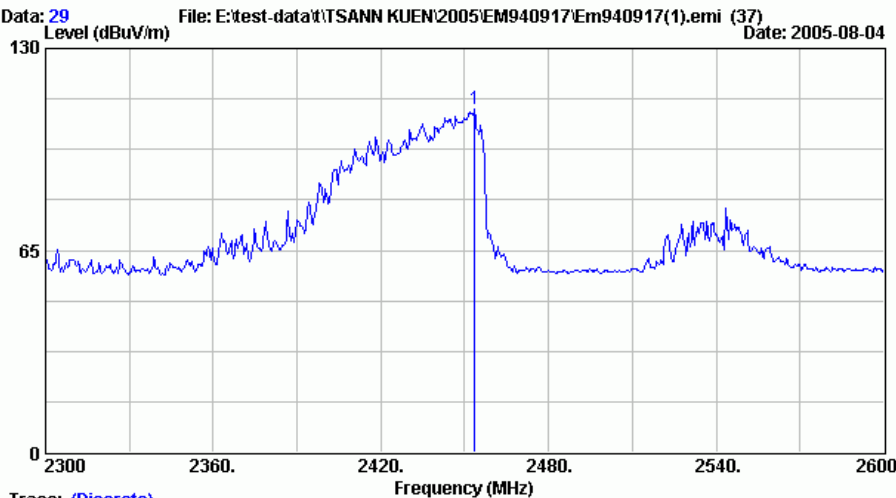
Trace: (Discrete)

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

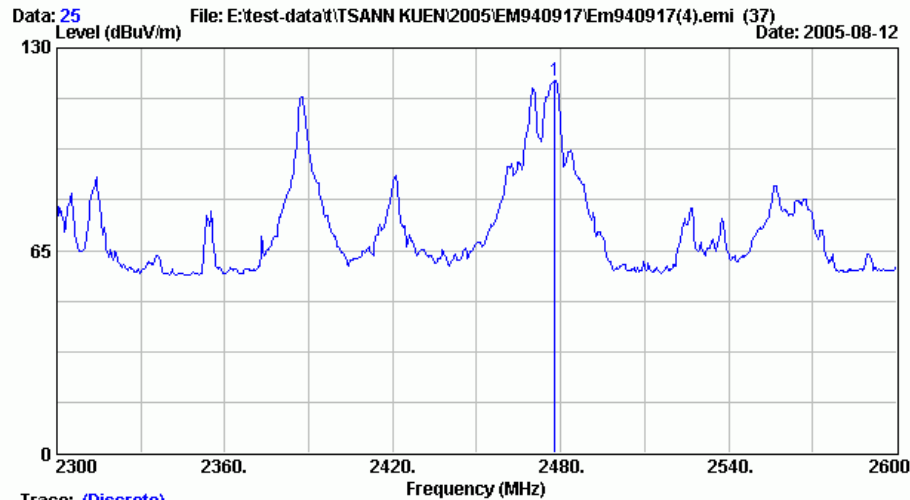
Maximum Frequency Observed: 2476.1MHz

Minimum Frequency Observed: 2475.2MHz

Results: PASSED.

**Fundamental Frequency: 2477.9MHz**

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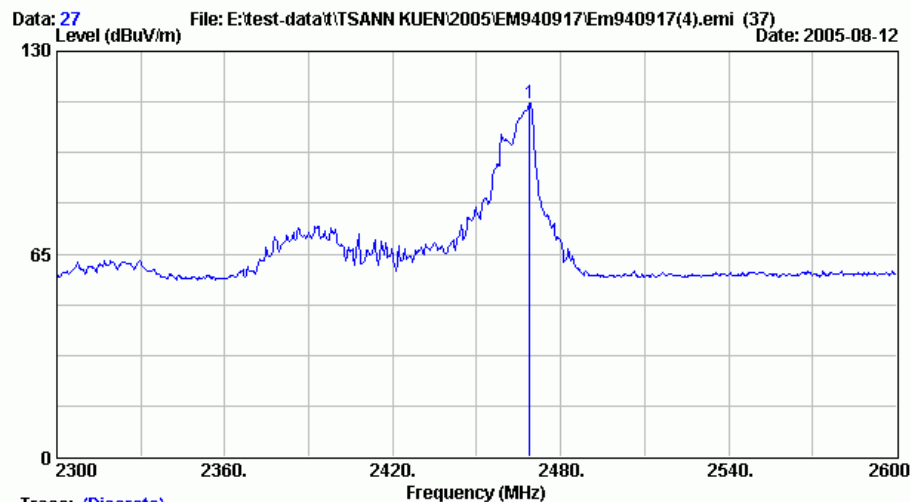


Trace: (Discrete)

|              |                                  |           |               |
|--------------|----------------------------------|-----------|---------------|
| 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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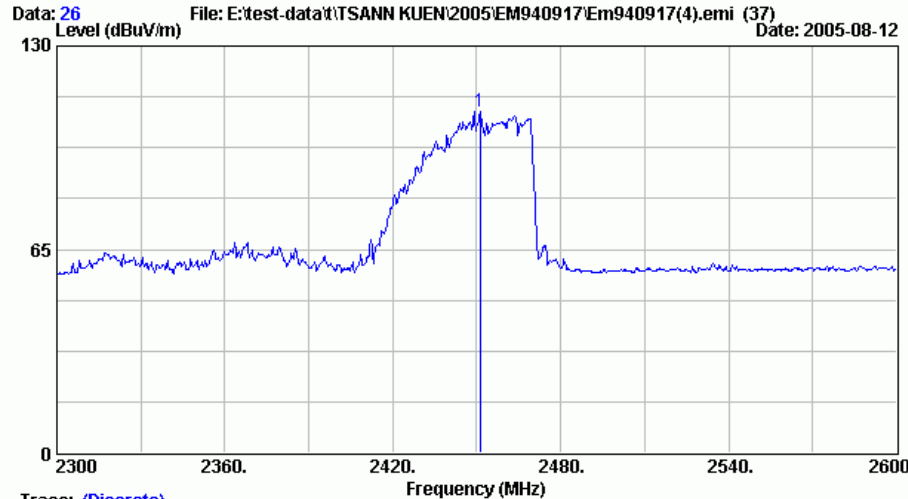
Trace: (Discrete)

|              |                                           |           |               |
|--------------|-------------------------------------------|-----------|---------------|
| 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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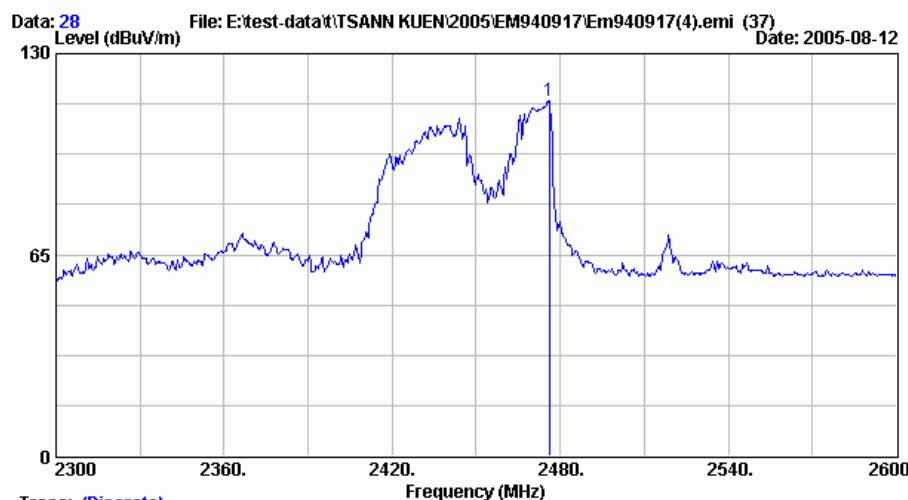


Trace: (Discrete)

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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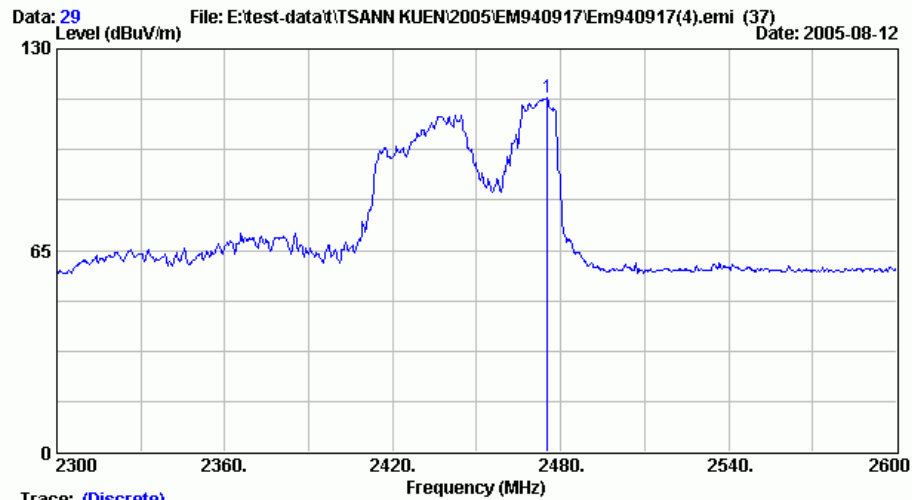
Trace: (Discrete)

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

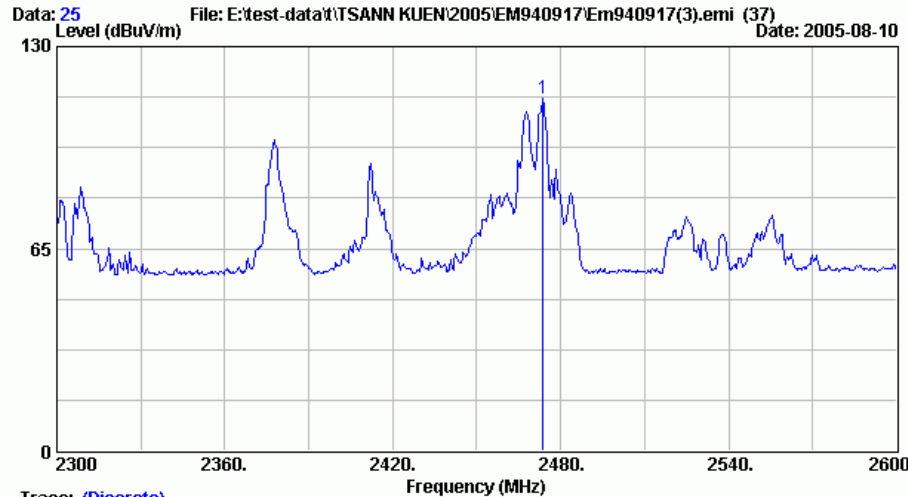
Maximum Frequency Observed: 2469.2MHz

Minimum Frequency Observed: 2467.1MHz

Results: PASSED.

**Fundamental Frequency: 2473.7MHz**

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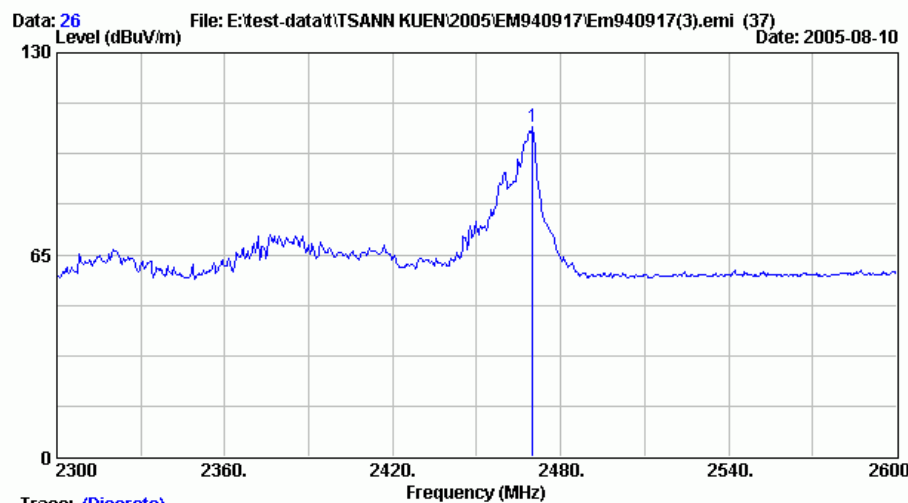


Trace: (Discrete)

|              |                                  |           |               |
|--------------|----------------------------------|-----------|---------------|
| 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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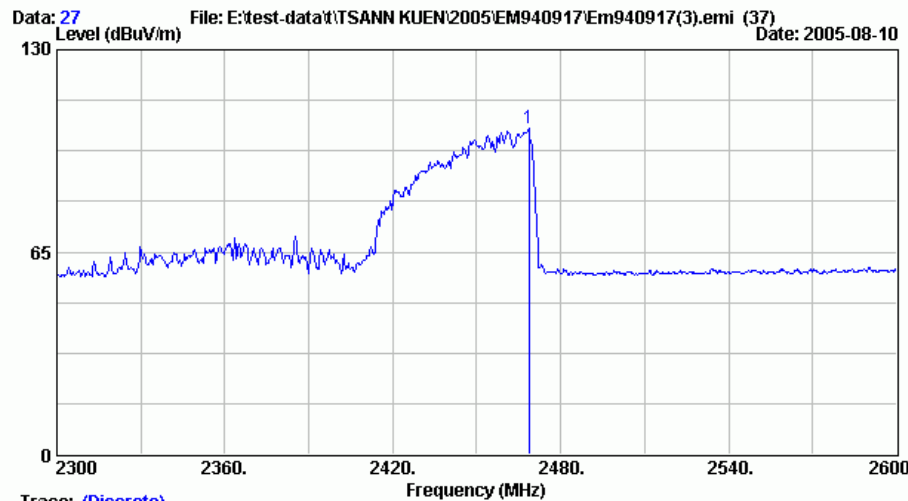


Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| 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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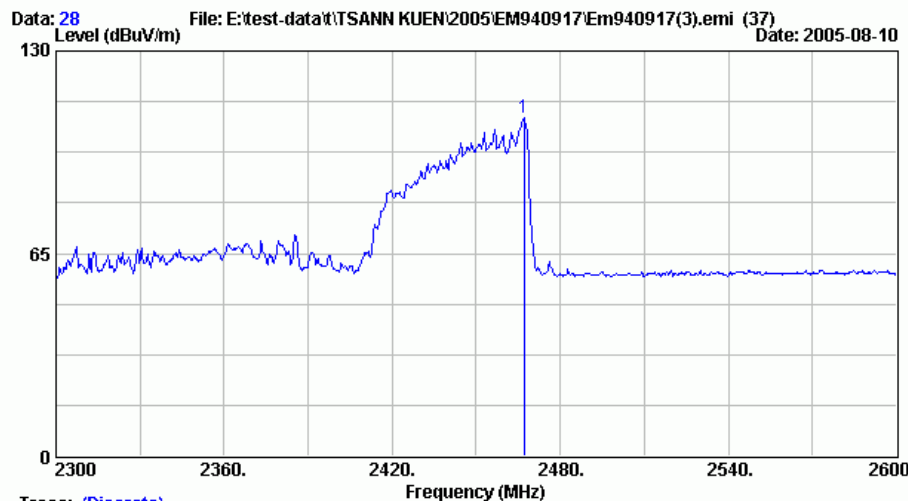


Trace: (Discrete)

|                                          |                        |
|------------------------------------------|------------------------|
| 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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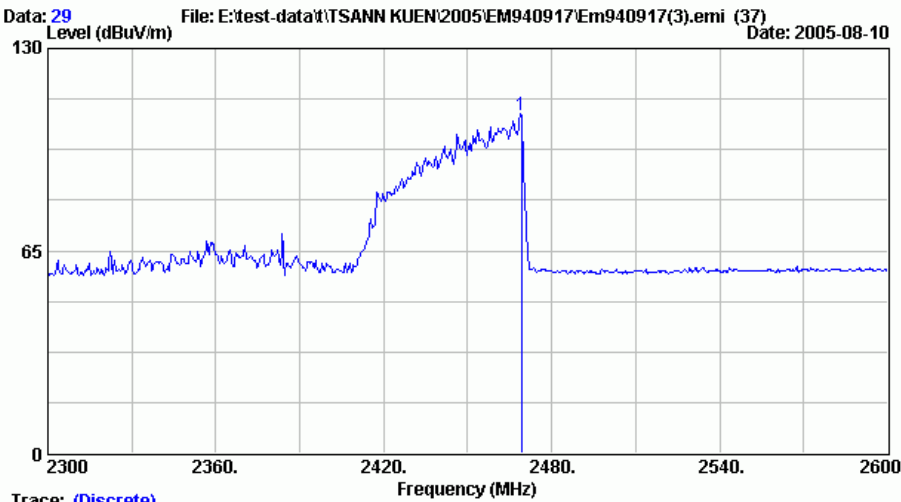
Trace: (Discrete)

|                                          |                        |
|------------------------------------------|------------------------|
| 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        |           |               |

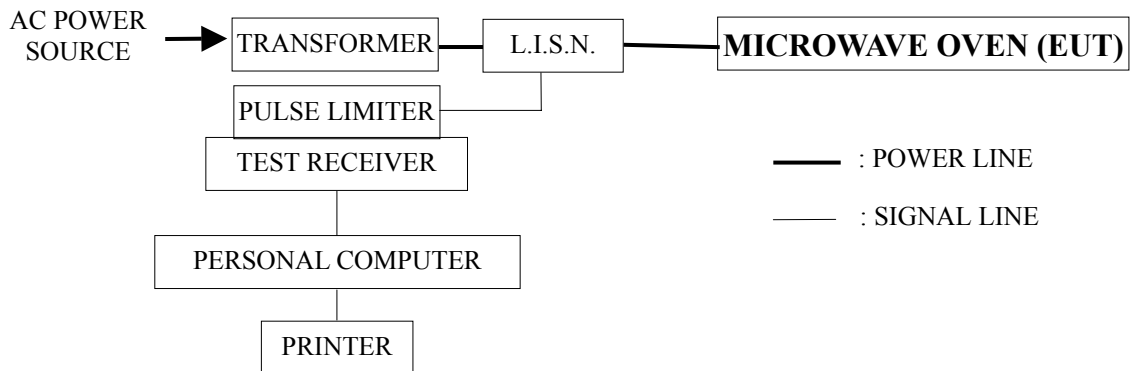
## 6. CONDUCTED EMISSION MEASUREMENT

### 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 $\mu$ V*     | 56 ~ 46 dB $\mu$ V* |
| 500kHz ~ 5MHz         | 56 dB $\mu$ V           | 46 dB $\mu$ V       |
| 5MHz ~ 30MHz          | 60 dB $\mu$ V           | 50 dB $\mu$ 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%

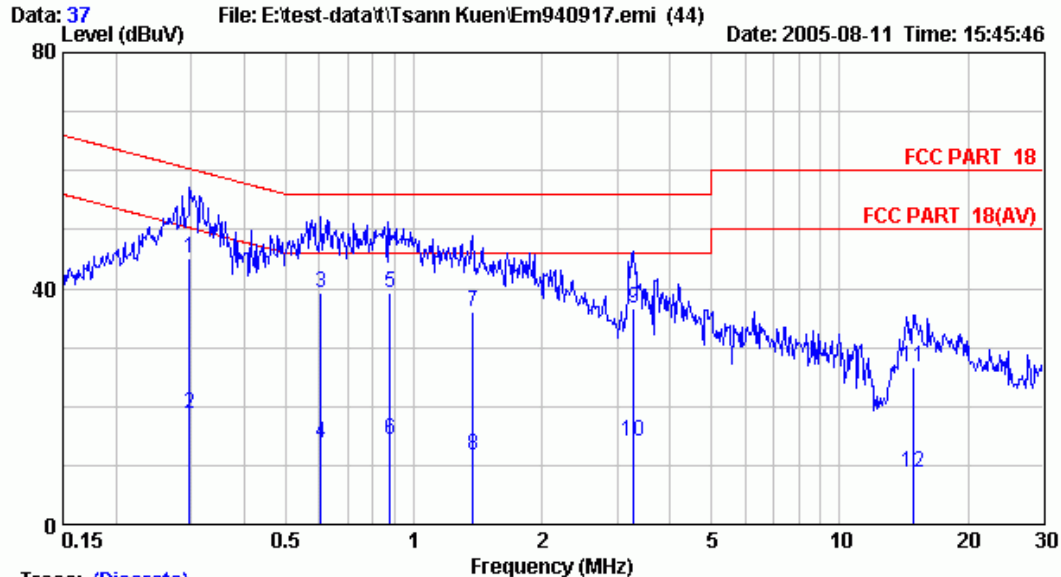
The details of test mode and reference test data are as follows :

| 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

|       |        | LISN | Cable        |              | Emission     |        |        |         |
|-------|--------|------|--------------|--------------|--------------|--------|--------|---------|
| Freq. | Factor | Loss | Reading      | Level        | Limits       | Margin | Remark |         |
| (MHz) | (dB)   | (dB) | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ V) | (dB)   |        |         |
| 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 |

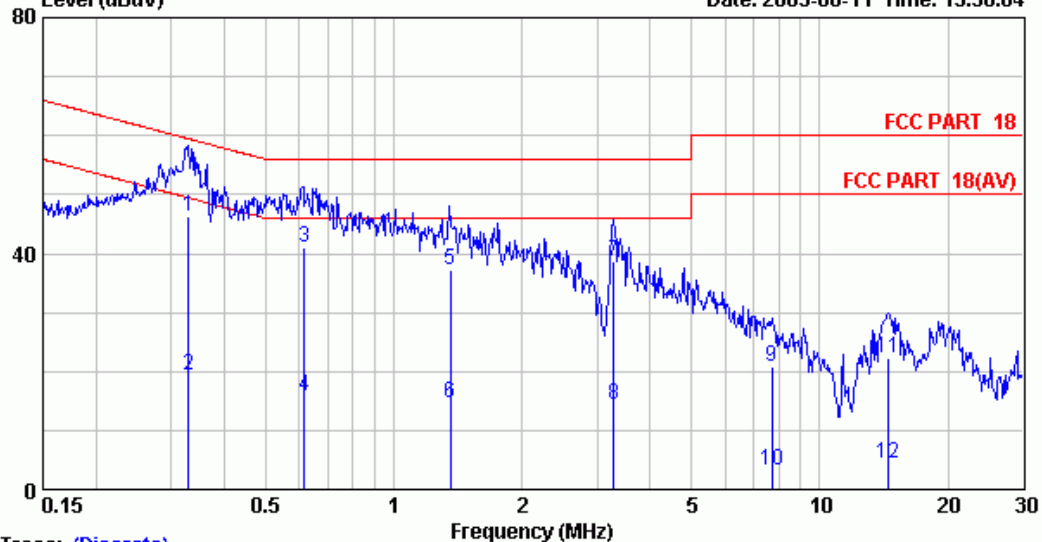
Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.

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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Data: 38 File: E:\test-data\Tsann Kuen\Em940917.emi (44) Date: 2005-08-11 Time: 15:50:04



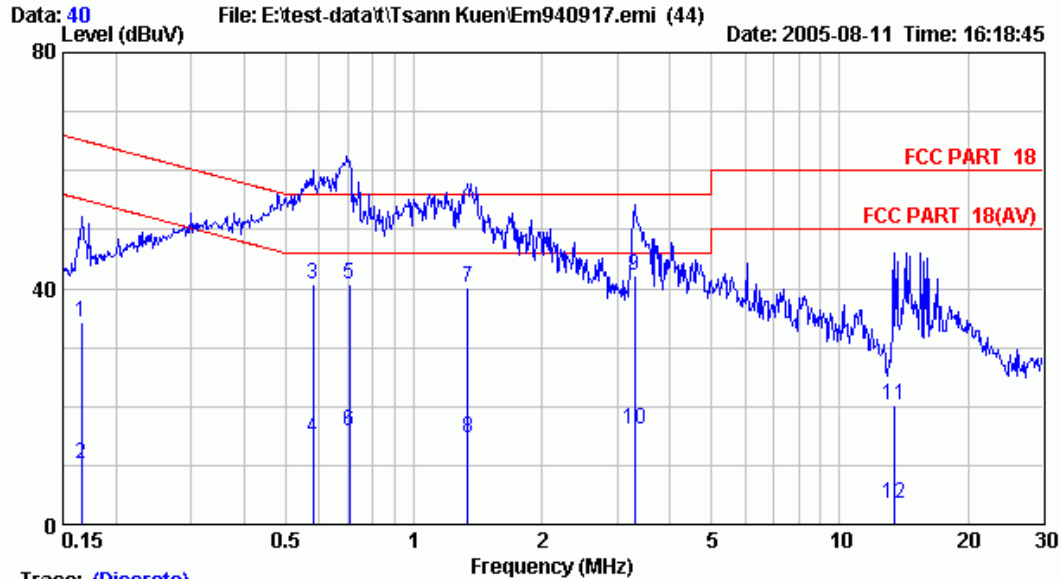
Trace: (Discrete)  
Site : No.2 Shielded room Data : 38  
Condition : KHW-407 Phase : LINE  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402AMM  
Power Rating : 120Vac/60Hz  
Test Mode : MAX

|    | Freq.<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V) | Limits<br>(dB $\mu$ V) | Margin<br>(dB) | Remark  |
|----|----------------|------------------------|-----------------------|-------------------------|-----------------------------------|------------------------|----------------|---------|
| 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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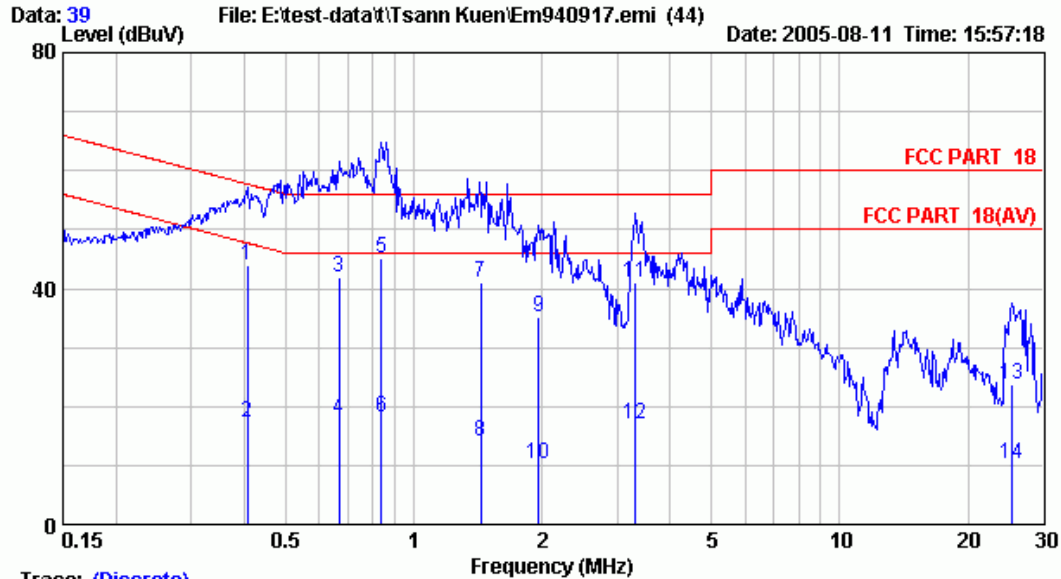
Site : No.2 Shielded room Data : 40  
Condition : KHW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402AMM  
Power Rating : 120Vac/60Hz  
Test Mode : MID

|    |                | LISN           | Cable        | Emission                |                       |                        |                |         |
|----|----------------|----------------|--------------|-------------------------|-----------------------|------------------------|----------------|---------|
|    | Freq.<br>(MHz) | Factor<br>(dB) | Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Level<br>(dB $\mu$ V) | Limits<br>(dB $\mu$ V) | Margin<br>(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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Trace: (Discrete)

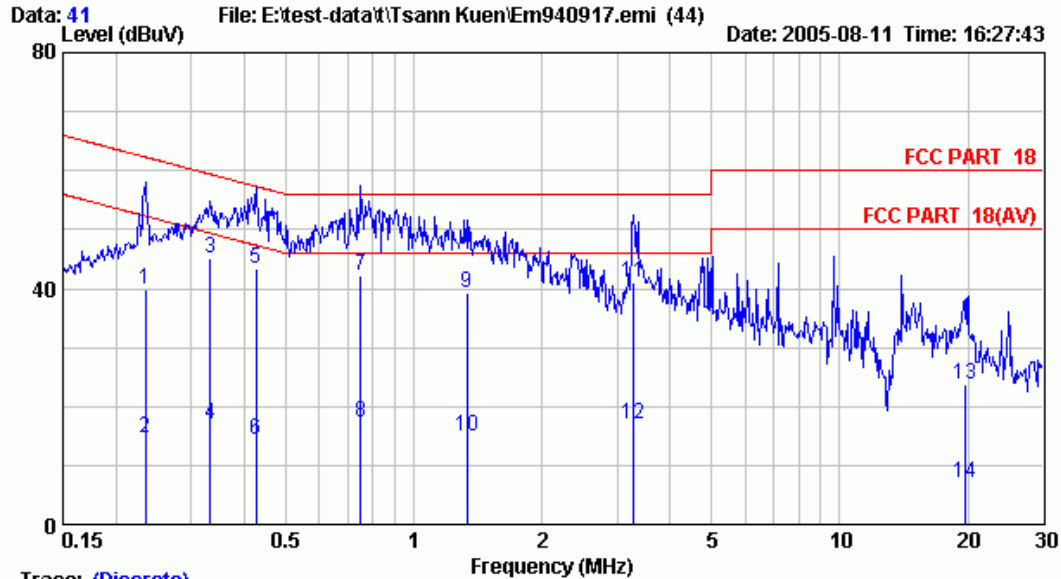
Site : No.2 Shielded room Data : 39  
Condition : KHW-407 Phase : LINE  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402AMM  
Power Rating : 120Vac/60Hz  
Test Mode : MID

|    | Freq.<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V) | Limits<br>(dB $\mu$ V) | Margin<br>(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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Trace: (Discrete)

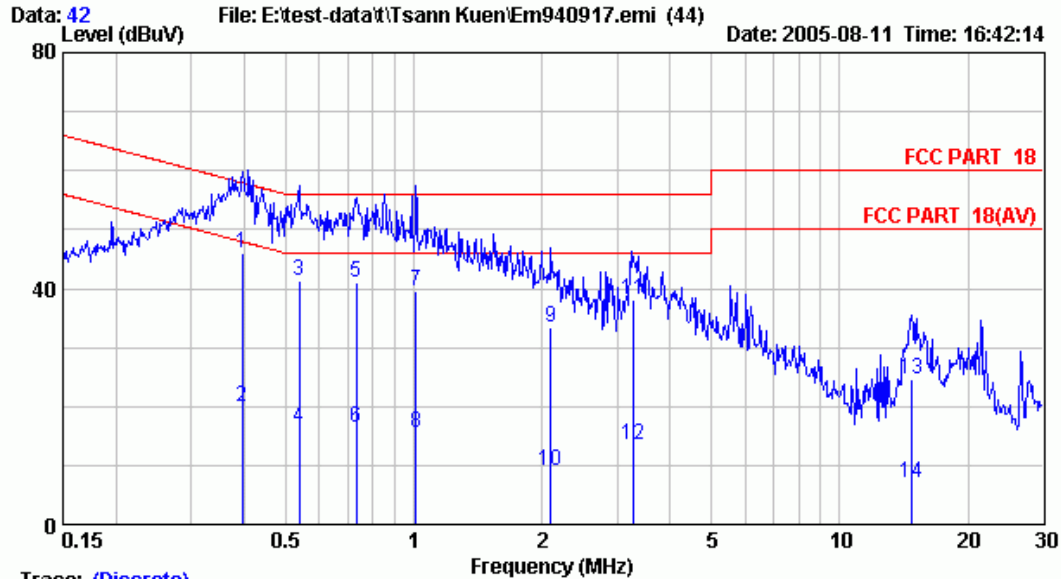
Site : No.2 Shielded room Data : 41  
Condition : KHW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402AMM  
Power Rating : 120Vac/60Hz  
Test Mode : MIN

|    | Freq.<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V) | Limits<br>(dB $\mu$ V) | Margin<br>(dB) | Remark  |
|----|----------------|------------------------|-----------------------|-------------------------|-----------------------------------|------------------------|----------------|---------|
| 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

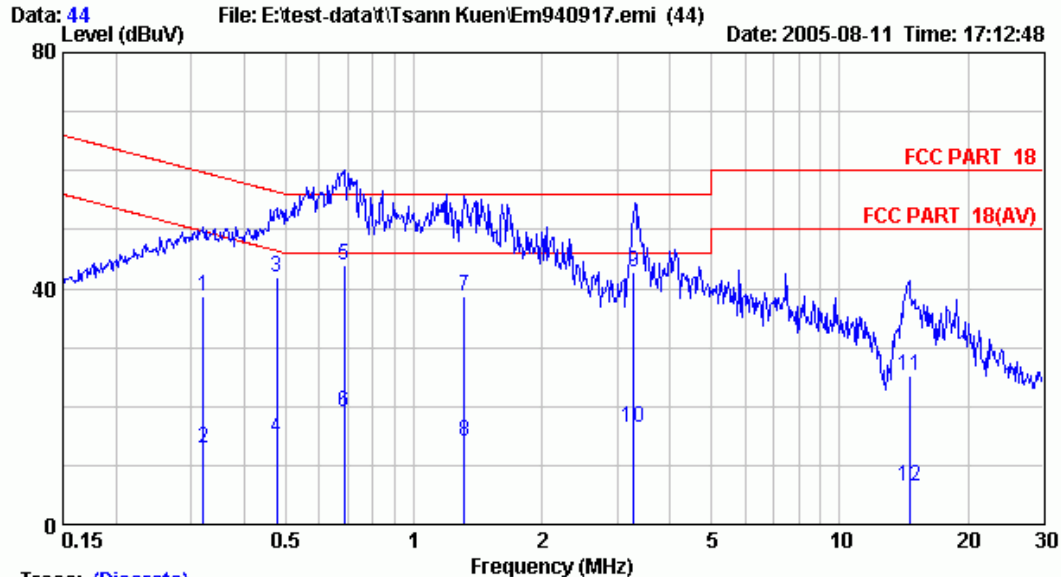
Test Mode : MIN

|    | Freq.<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V) | Limits<br>(dB $\mu$ V) | Margin<br>(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)

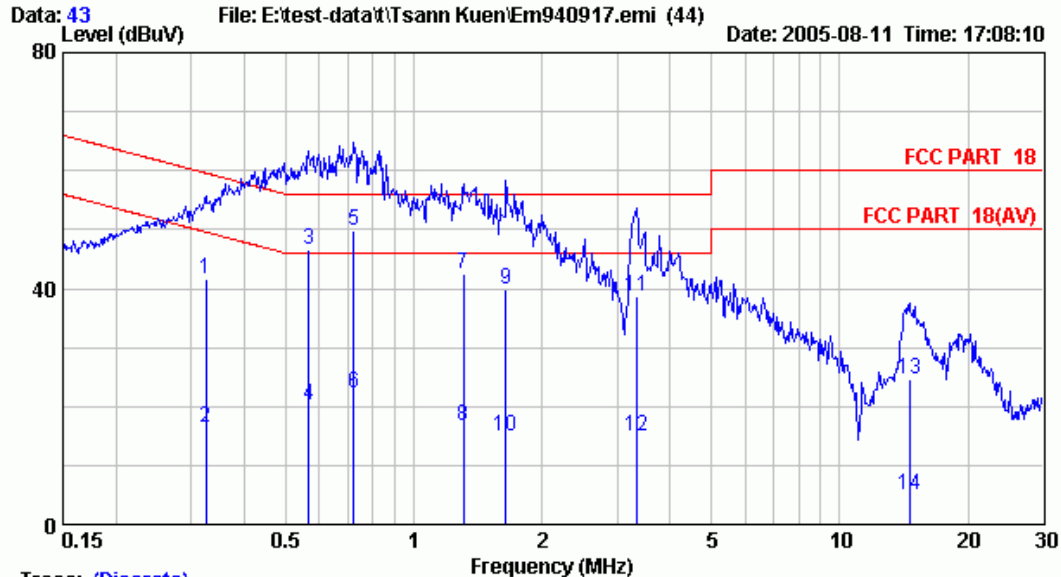
Site : No.2 Shielded room Data : 44  
Condition : KHW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402AMM  
Power Rating : 120Vac/60Hz  
Test Mode : DEFROST

|    |        | LISN   | Cable | Emission     |              |              |        |         |
|----|--------|--------|-------|--------------|--------------|--------------|--------|---------|
|    | Freq.  | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
|    | (MHz)  | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ V) | (dB)   |         |
| 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 $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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.

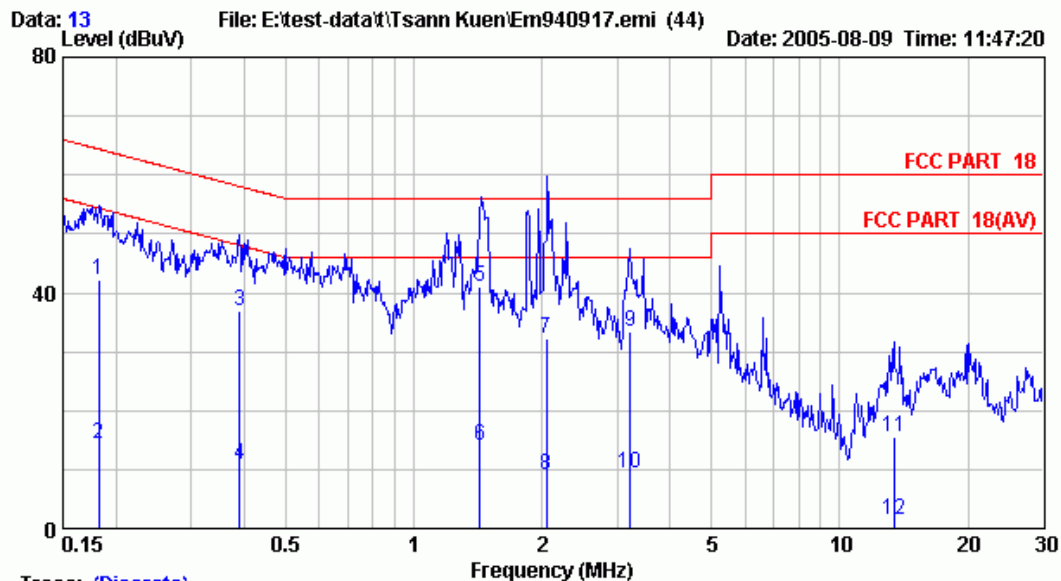
Test Date : Aug. 09, 2005      Temperature : 26°C      Humidity : 50%

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

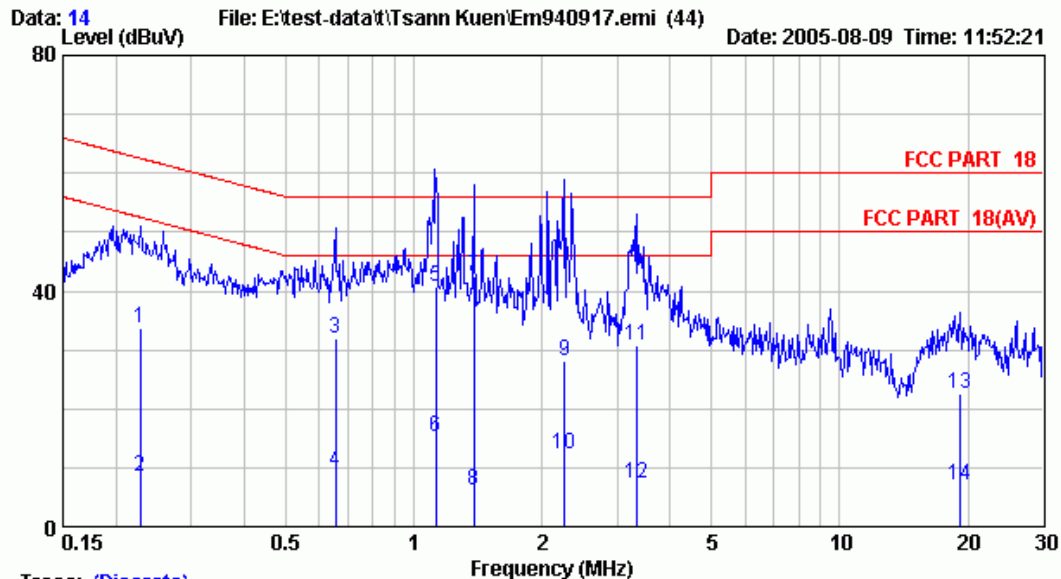
|       |        | LISN   | Cable |              | Emission     |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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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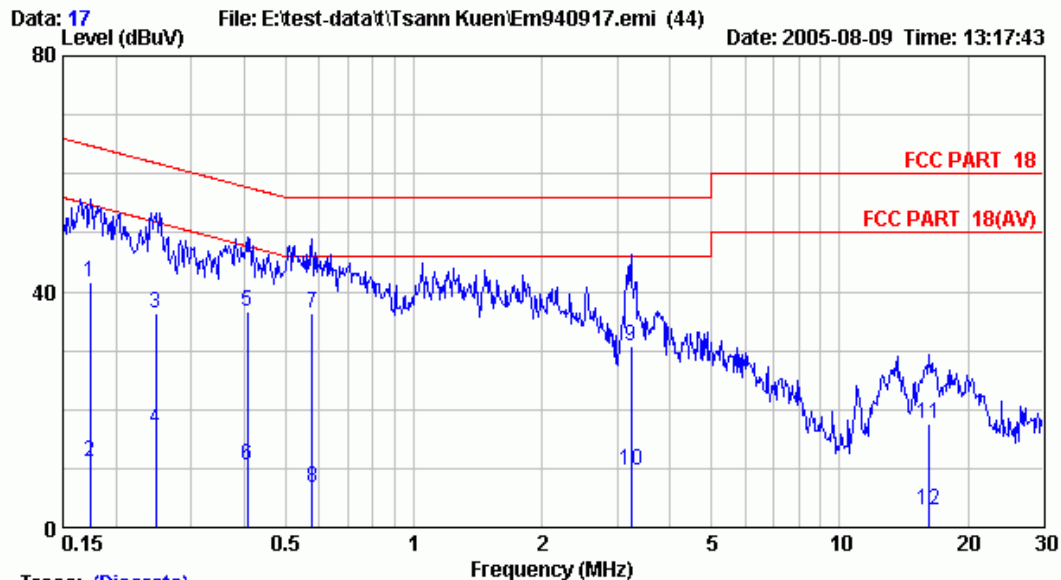
Site : No.2 Shielded room Data : 14  
Condition : KNW-407 Phase : LINE  
Limit : FCC PART 18  
Env. / Ins. : 26°C,50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : POPCORN

|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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

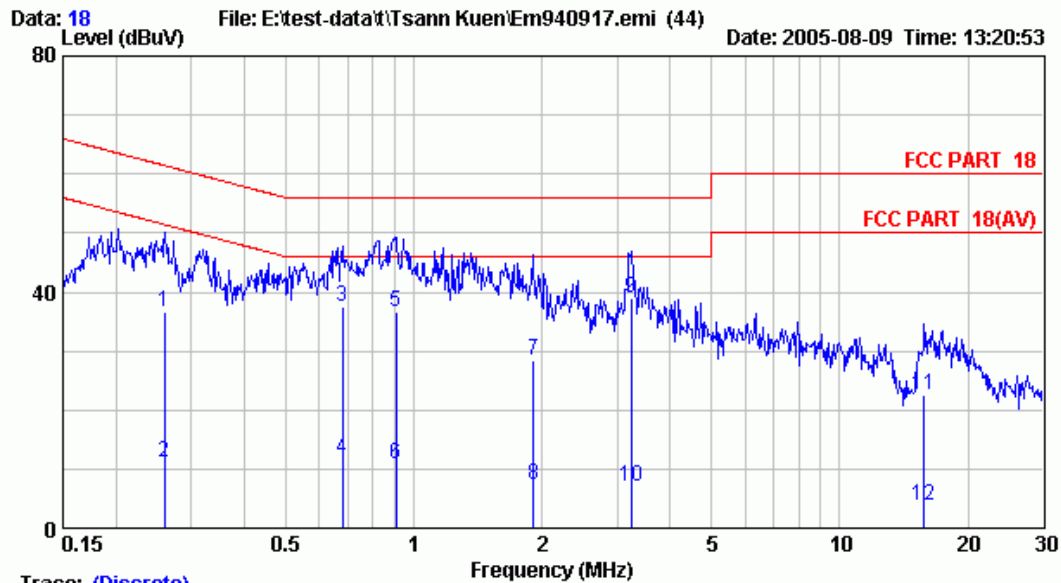
|    |                | LISN           | Cable        | Emission                |                       |                        |                |         |
|----|----------------|----------------|--------------|-------------------------|-----------------------|------------------------|----------------|---------|
|    | Freq.<br>(MHz) | Factor<br>(dB) | Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Level<br>(dB $\mu$ V) | Limits<br>(dB $\mu$ V) | Margin<br>(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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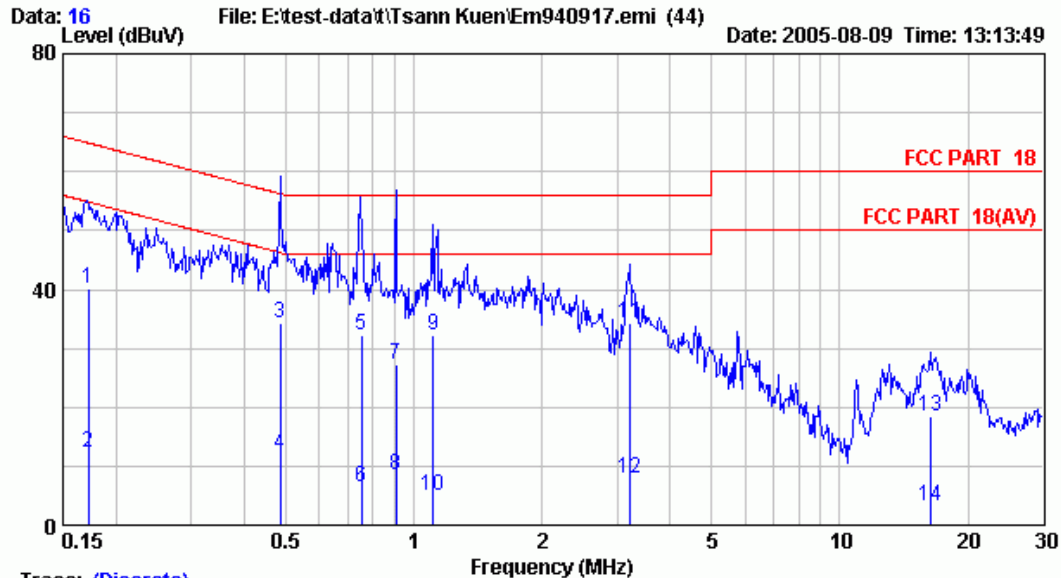
Site : No.2 Shielded room Data : 18  
Condition : KMW-407 Phase : LINE  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : BEVERAGE

|       |        | LISN | Cable        | Emission     |              |        |        |         |
|-------|--------|------|--------------|--------------|--------------|--------|--------|---------|
| Freq. | Factor | Loss | Reading      | Level        | Limits       | Margin | Remark |         |
| (MHz) | (dB)   | (dB) | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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

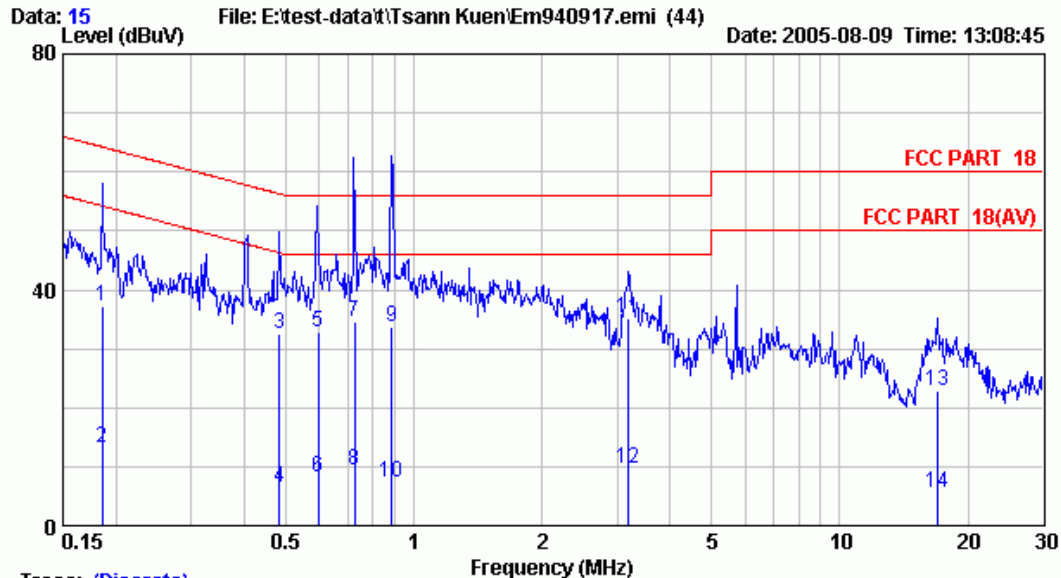
|    | Freq.<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V) | Limits<br>(dB $\mu$ V) | Margin<br>(dB) | Remark  |
|----|----------------|------------------------|-----------------------|-------------------------|-----------------------------------|------------------------|----------------|---------|
| 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

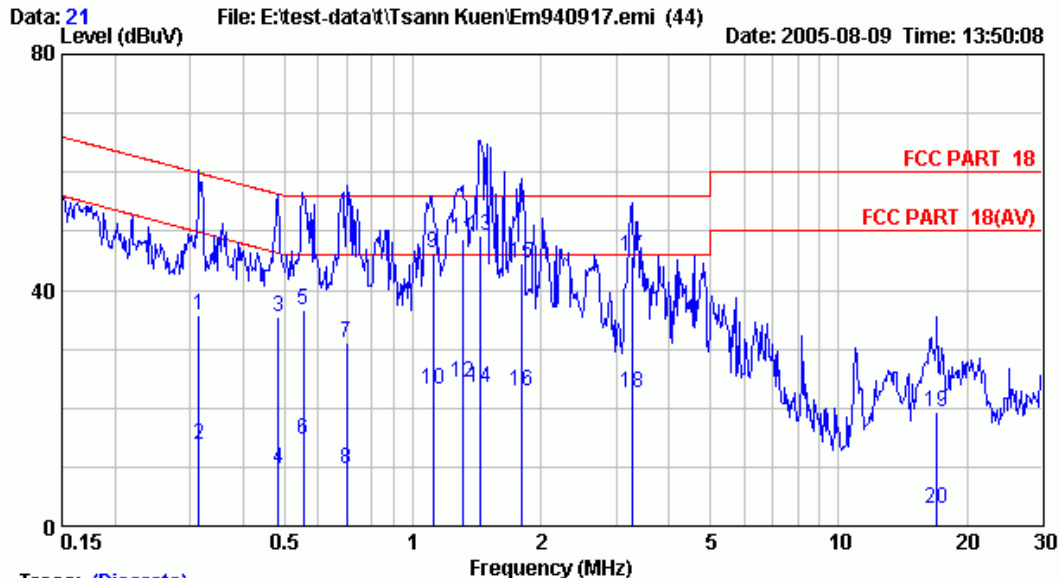
|    | Freq.<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V) | Limits<br>(dB $\mu$ V) | Margin<br>(dB) | Remark  |
|----|----------------|------------------------|-----------------------|-------------------------|-----------------------------------|------------------------|----------------|---------|
| 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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Trace: (Discrete)

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 $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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 |

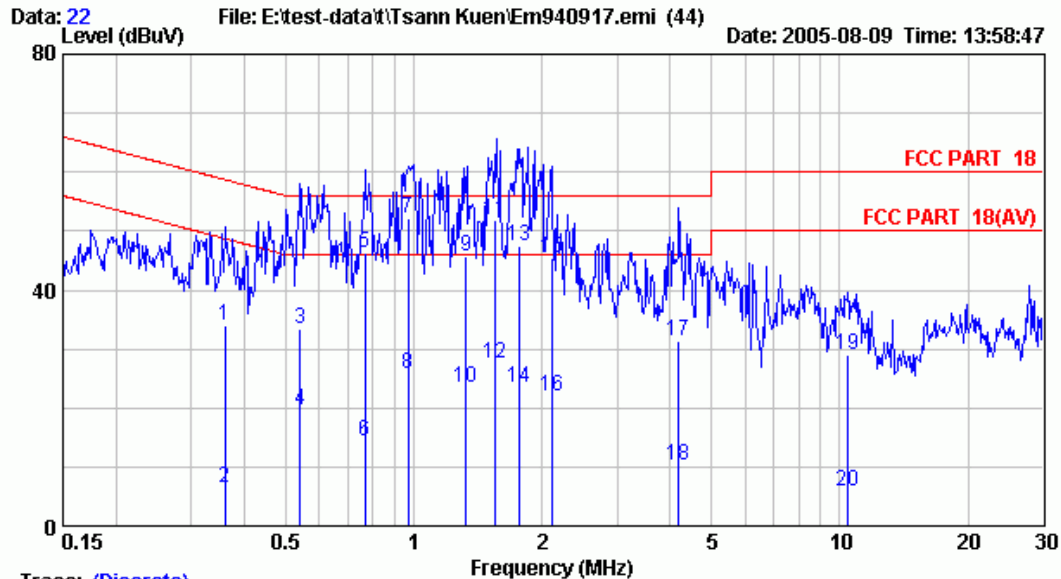
Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

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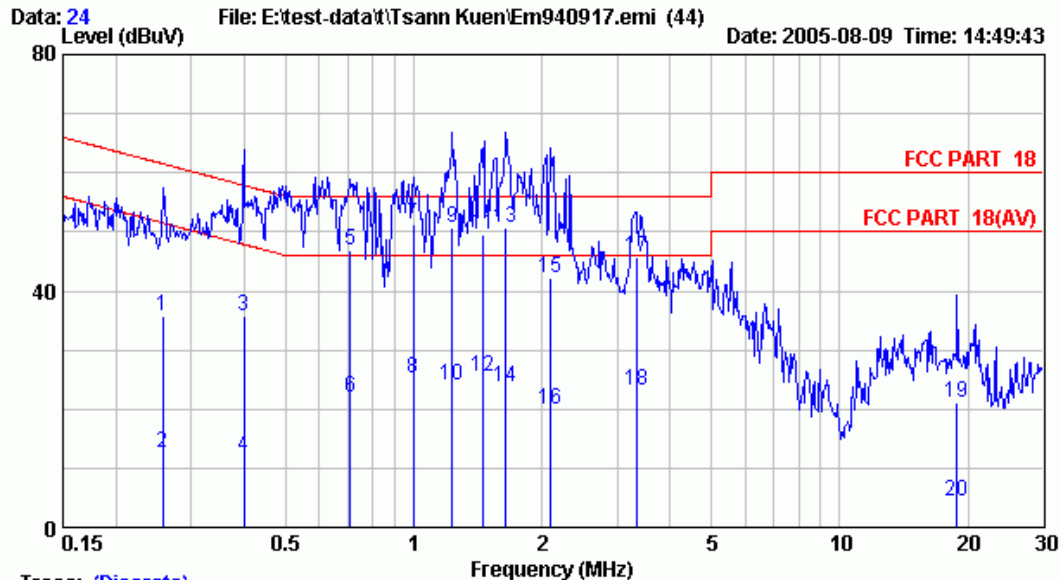
Site : No.2 Shielded room Data : 22  
Condition : KHW-407 Phase : LINE  
Limit : FCC PART 18  
Env. / Ins. : 26°C,50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : CASS

|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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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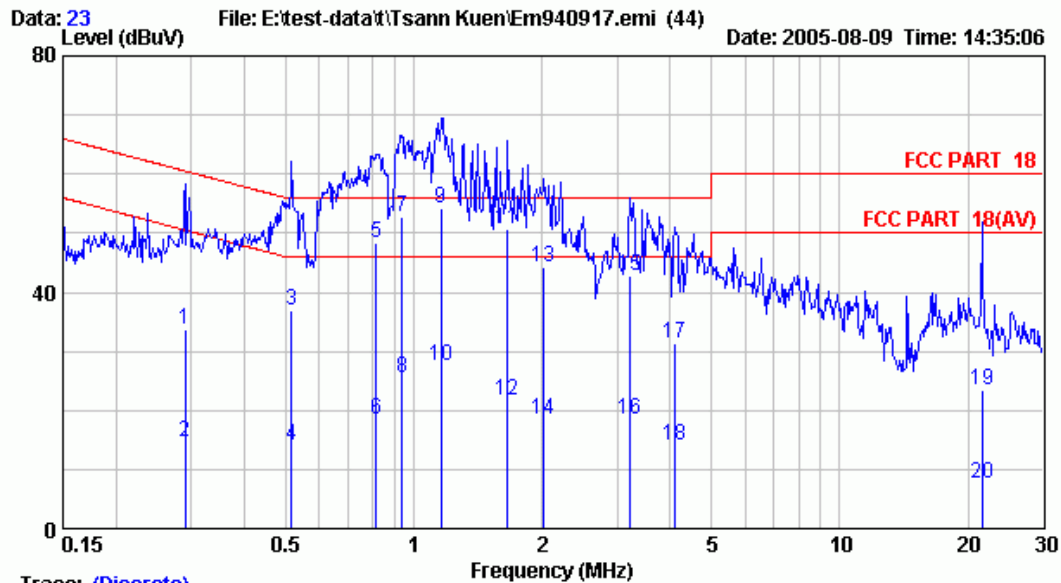
Site : No.2 Shielded room Data : 24  
Condition : KHW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : SING

|       |        | LISN   | Cable |              | Emission     |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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

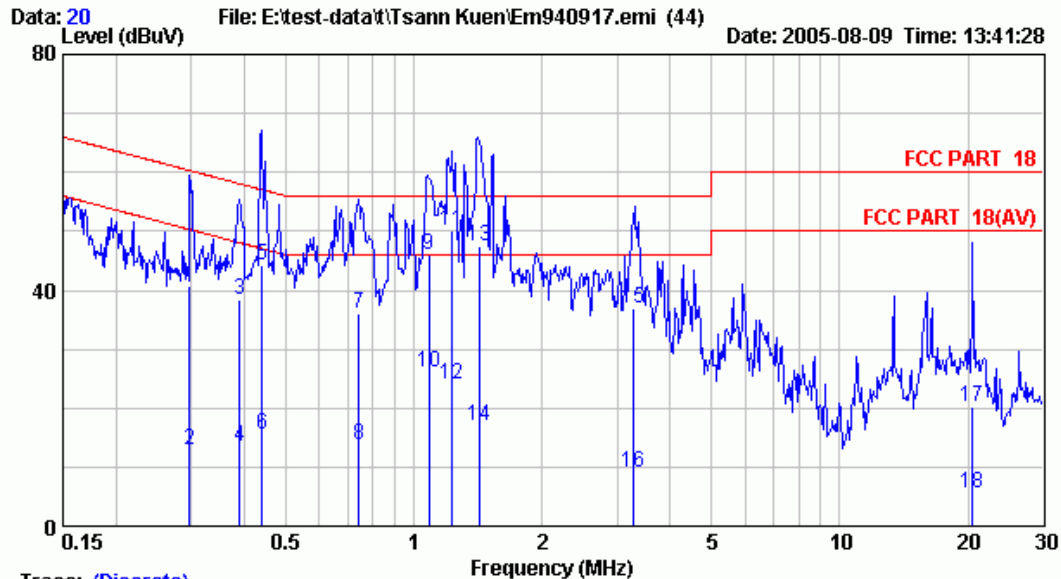
|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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

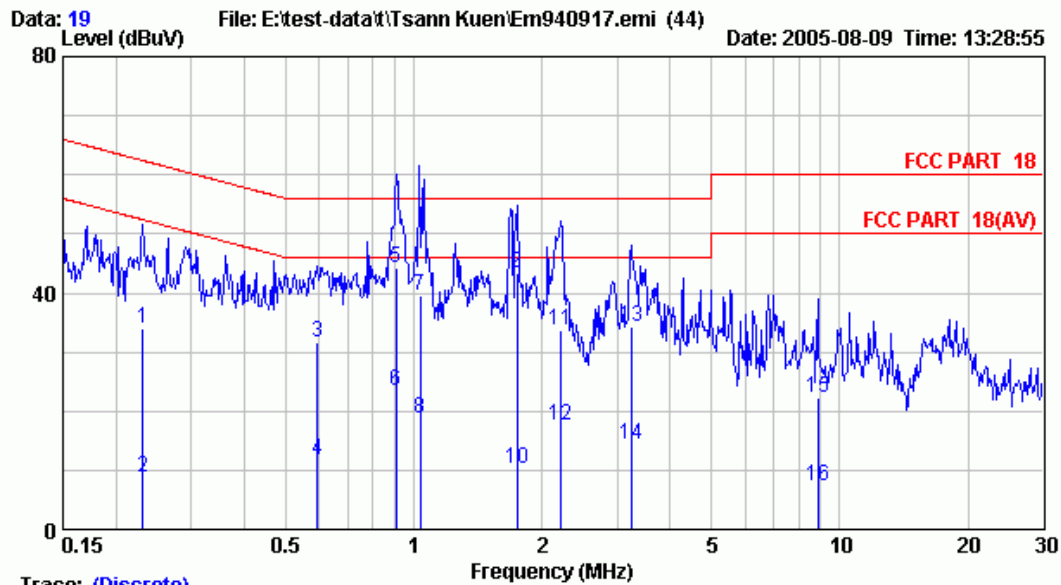
|    | Freq.<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V) | Limits<br>(dB $\mu$ V) | Margin<br>(dB) | Remark  |
|----|----------------|------------------------|-----------------------|-------------------------|-----------------------------------|------------------------|----------------|---------|
| 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 $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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.

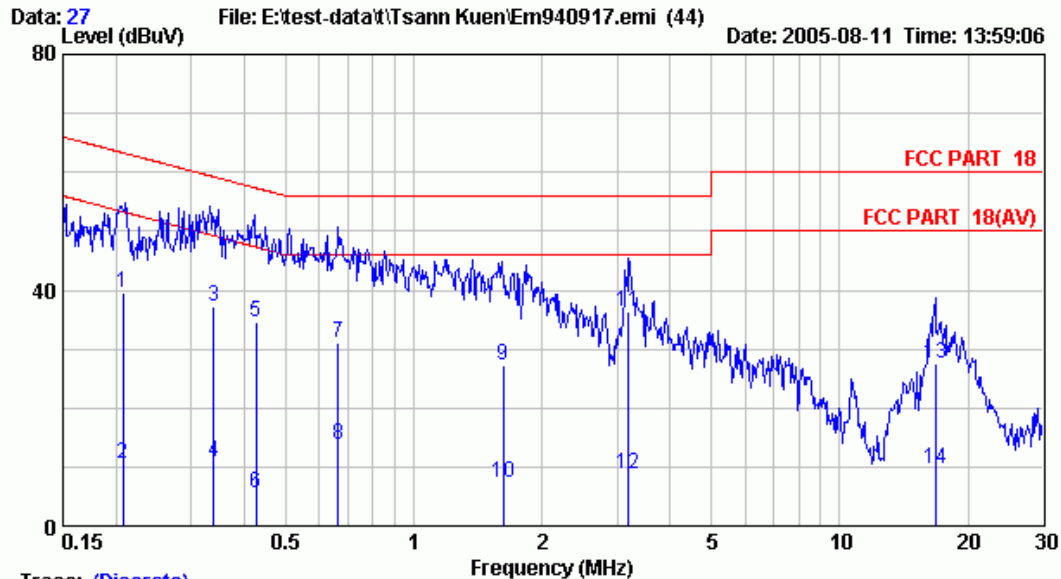
Test Date : Aug. 11, 2005      Temperature : 26°C      Humidity : 50%

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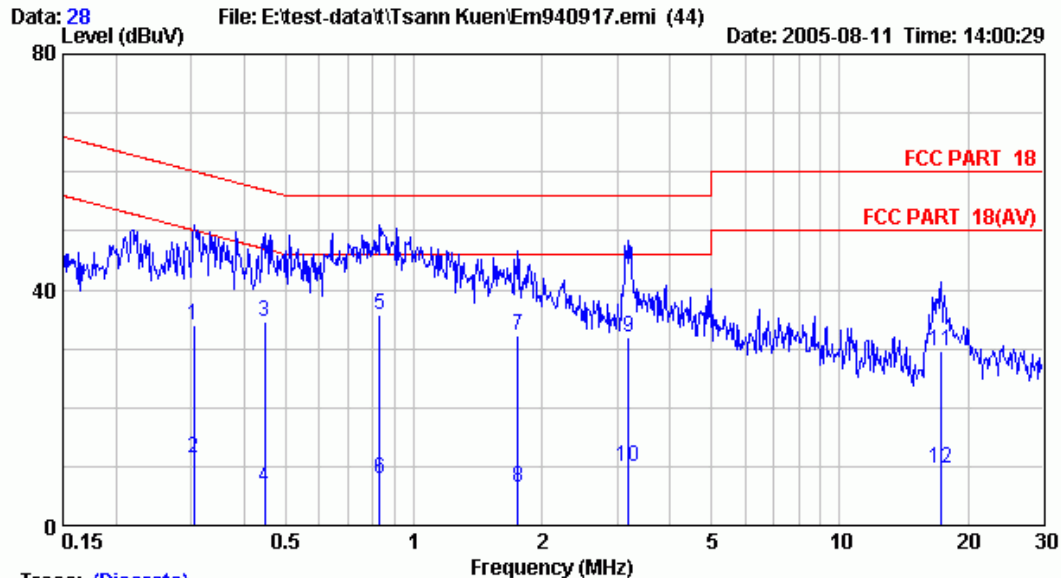
Site : No.2 Shielded room Data : 27  
Condition : KHW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : POPCORN

|    | Freq.<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Reading<br>Level<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V) | Limits<br>(dB $\mu$ V) | Margin<br>(dB) | Remark  |
|----|----------------|------------------------|-----------------------|----------------------------------|-----------------------------------|------------------------|----------------|---------|
| 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 $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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 |

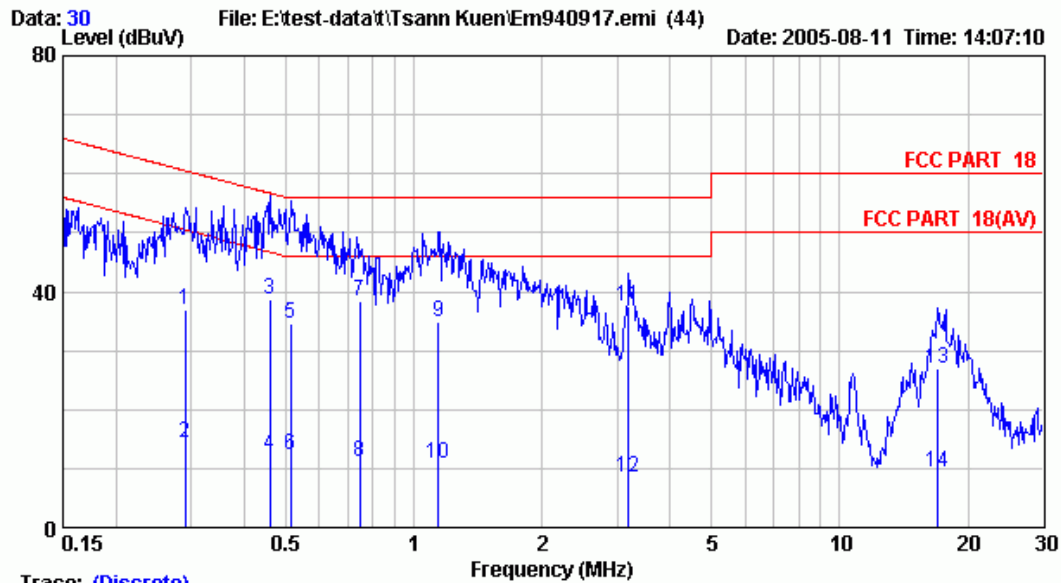
Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.

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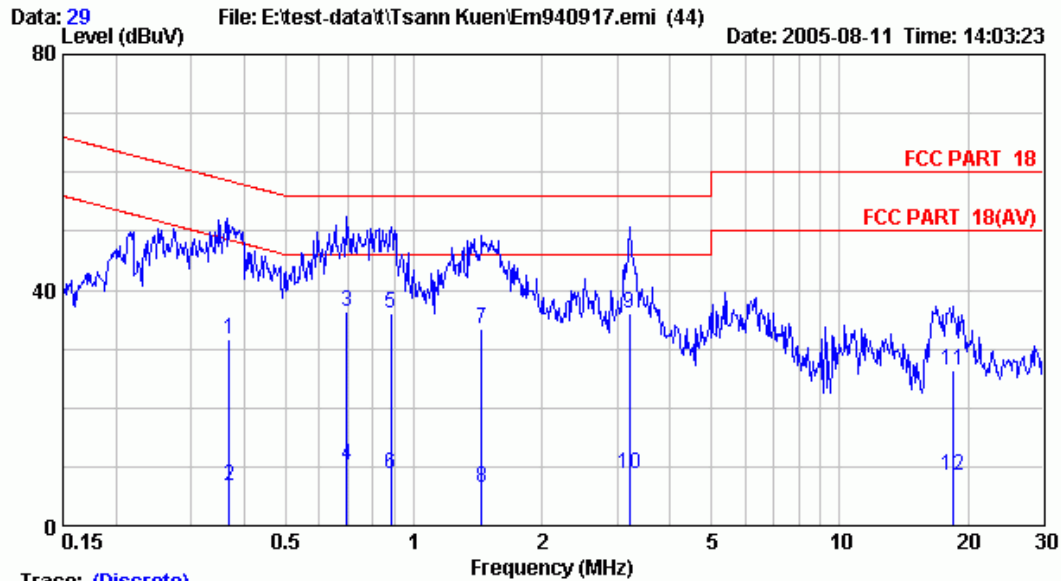
Site : No.2 Shielded room Data : 30  
Condition : KMW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : BEVERAGE

|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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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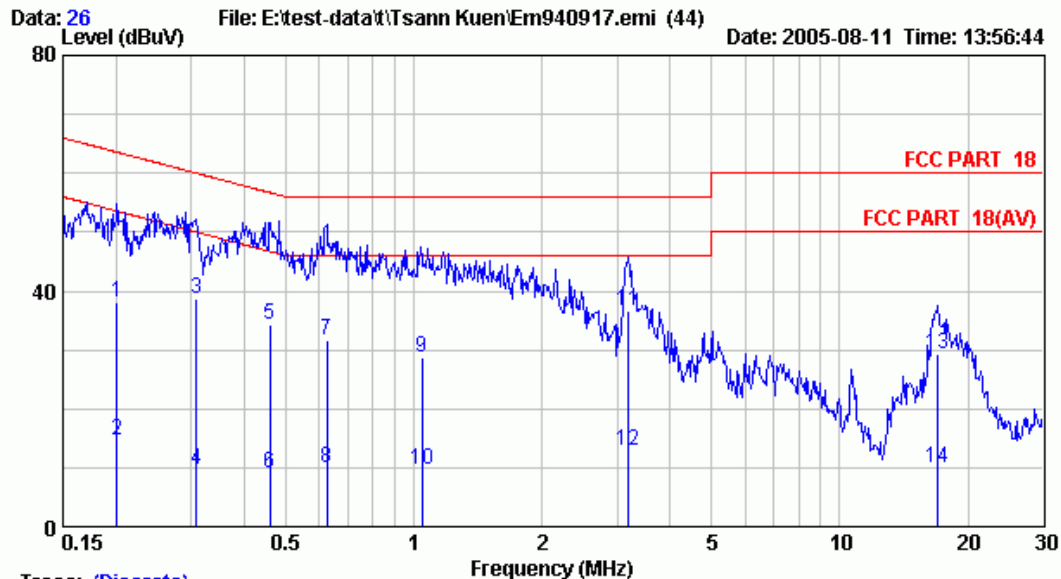
Site : No.2 Shielded room Data : 29  
Condition : KHW-407 Phase : LINE  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : BEVERAGE

|       |        | LISN | Cable        | Emission     |              |        |        |         |
|-------|--------|------|--------------|--------------|--------------|--------|--------|---------|
| Freq. | Factor | Loss | Reading      | Level        | Limits       | Margin | Remark |         |
| (MHz) | (dB)   | (dB) | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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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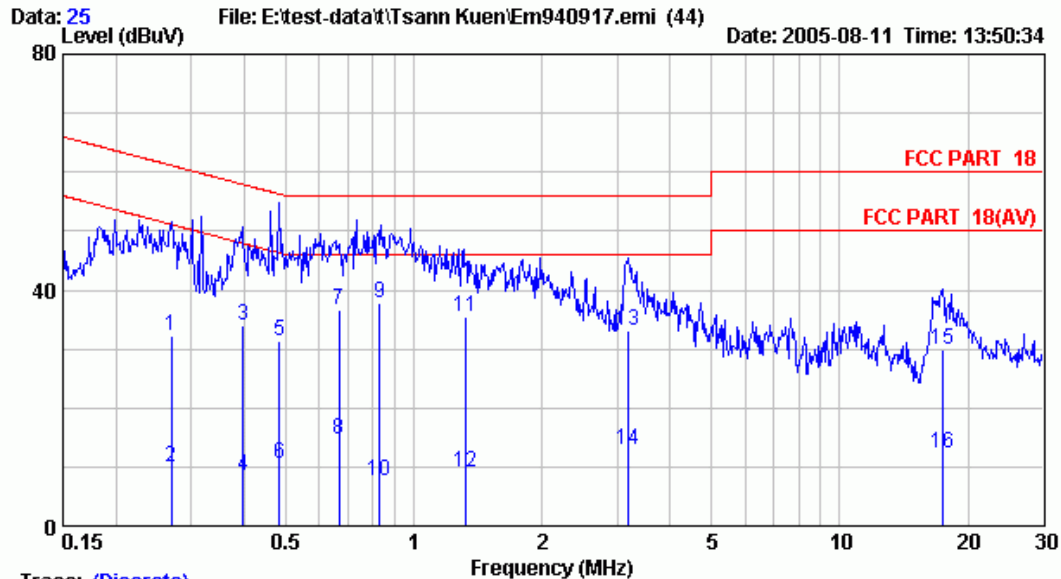
Site : No.2 Shielded room Data : 26  
Condition : KNW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : SOUP

|       |        | LISN   | Cable |              | Emission     |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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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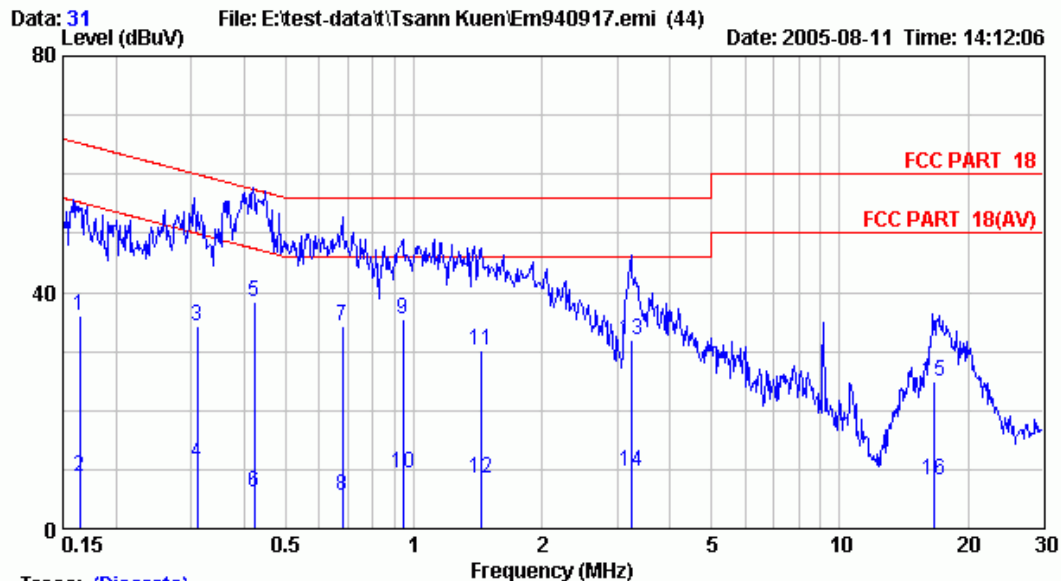
Site : No.2 Shielded room Data : 25  
Condition : KHW-407 Phase : LINE  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : SOUP

|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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)

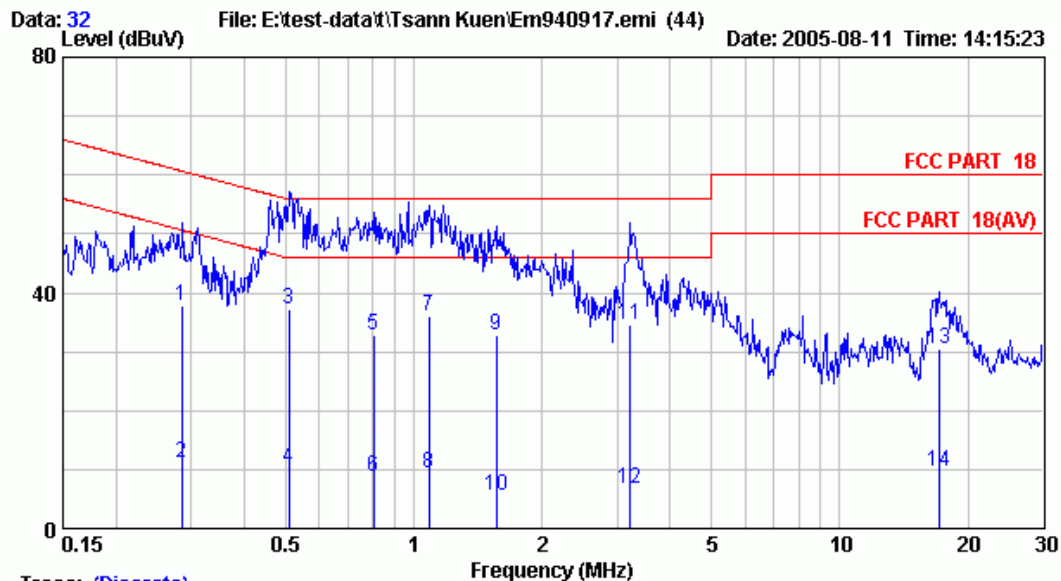
Site : No.2 Shielded room Data : 31  
Condition : KMW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : CASS

|       |        | LISN | Cable        |              | Emission     |        |        |         |
|-------|--------|------|--------------|--------------|--------------|--------|--------|---------|
| Freq. | Factor | Loss | Reading      | Level        | Limits       | Margin | Remark |         |
| (MHz) | (dB)   | (dB) | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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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Site : No.2 Shielded room Data : 32  
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

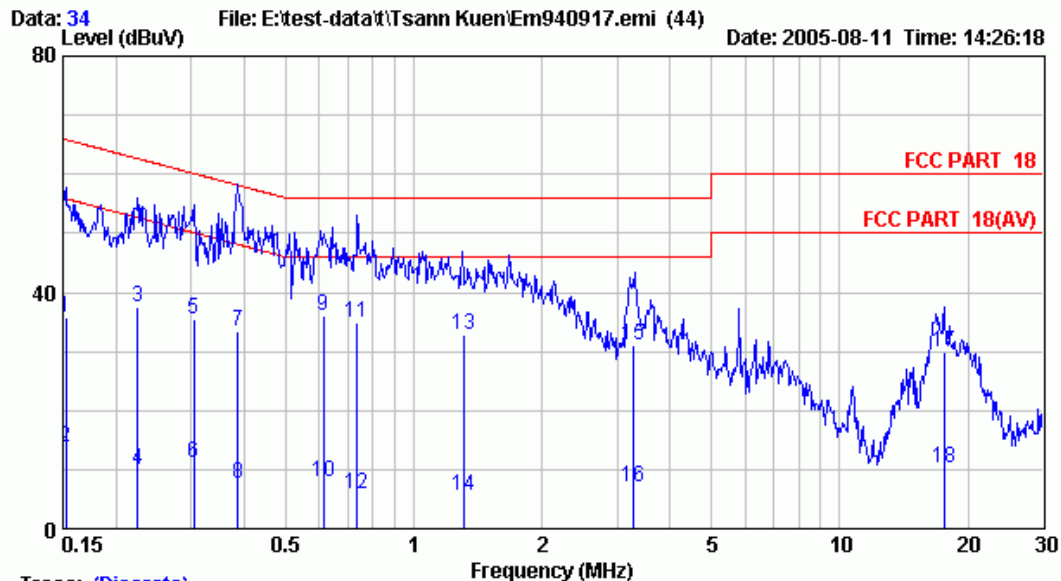
|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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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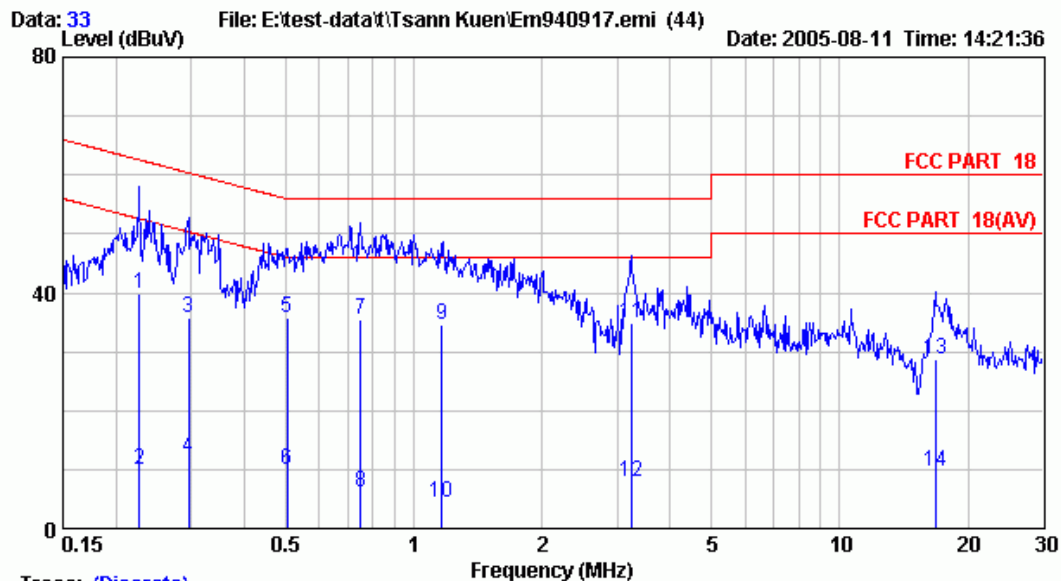
Site : No.2 Shielded room Data : 34  
Condition : KMW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 26°C, 50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : SING

|       |        | LISN   | Cable |              | Emission     |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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

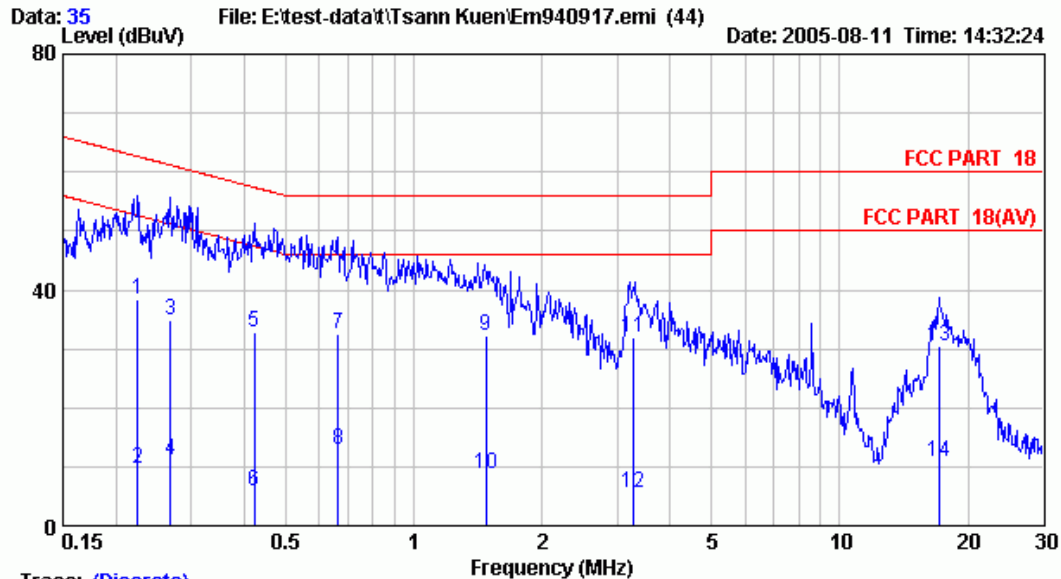
|       |        | LISN   | Cable |              | Emission     |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.





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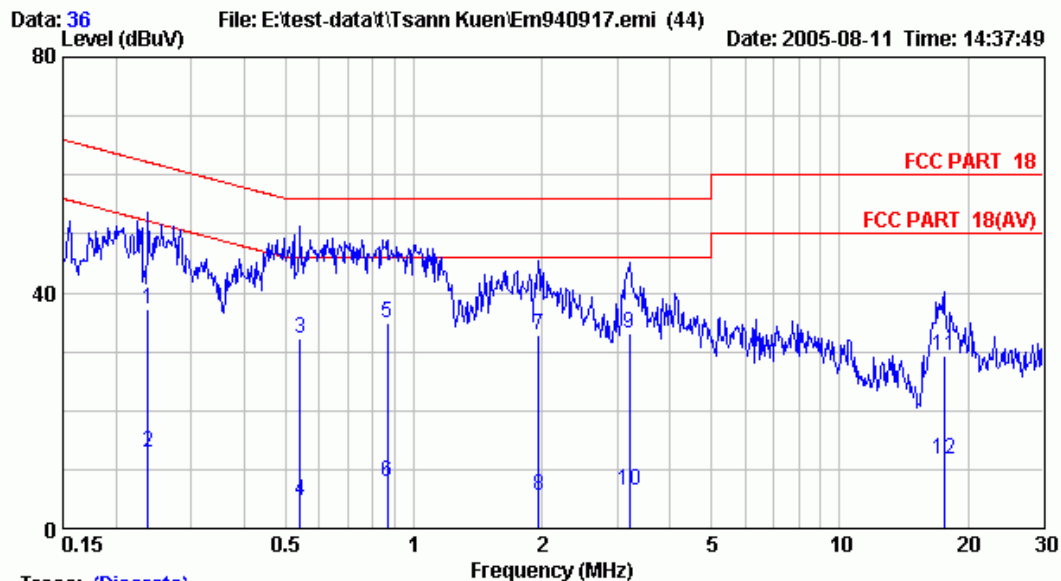
Site : No.2 Shielded room Data : 35  
Condition : KHW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 26°C,50% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : AUTO DEFROST

|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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 $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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.

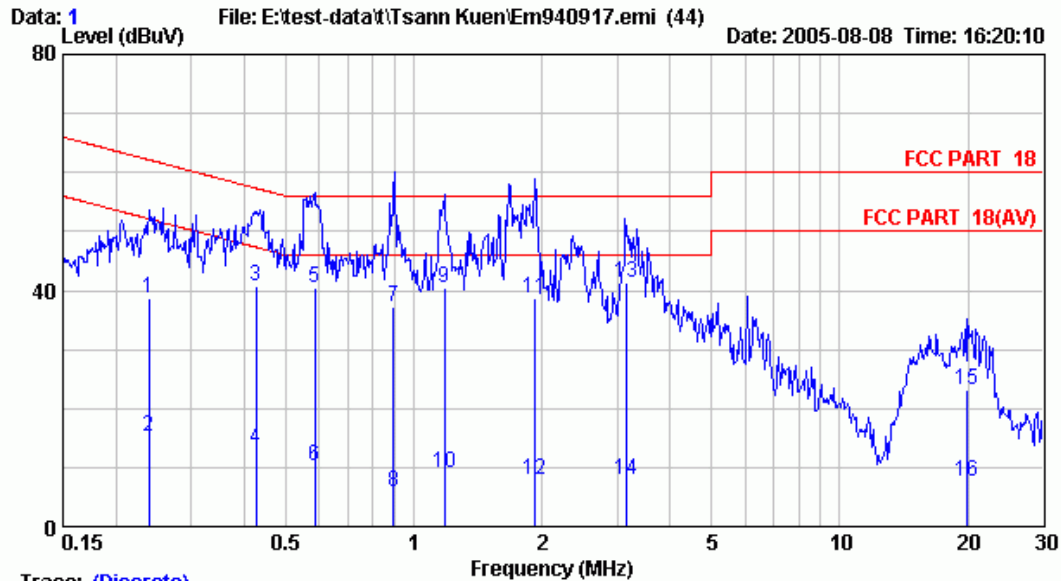
Test Date : Aug. 08, 2005      Temperature : 24°C      Humidity : 46%

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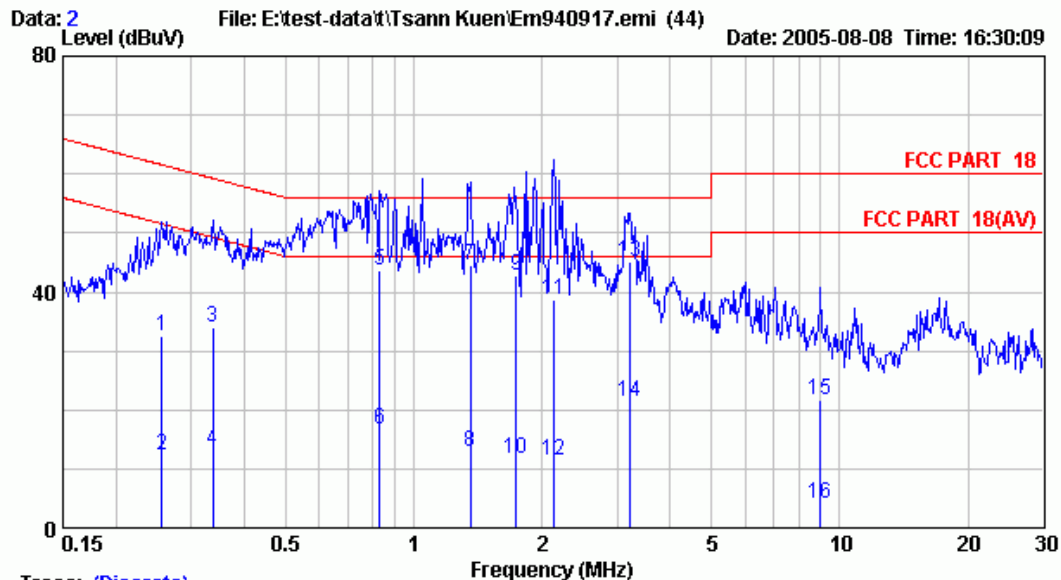
Site : No.2 Shielded room Data : 1  
Condition : KHW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 24°C,46% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : POPCORN

|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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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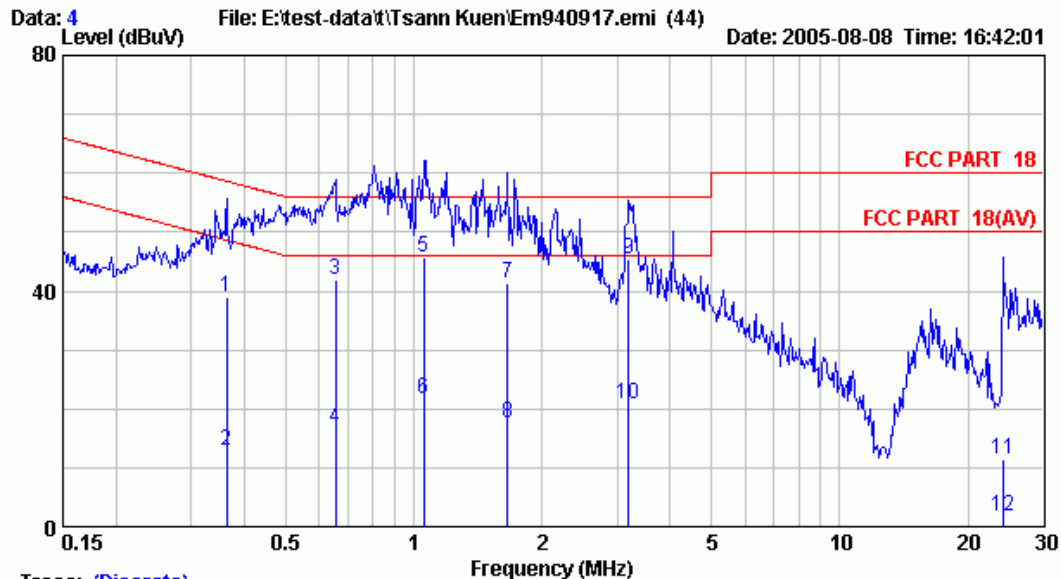
Site : No.2 Shielded room Data : 2  
Condition : KMW-407 Phase : LINE  
Limit : FCC PART 18  
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : POPCORN

|       |       | LISN   | Cable | Emission     |              |              |        |         |
|-------|-------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |       | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |       | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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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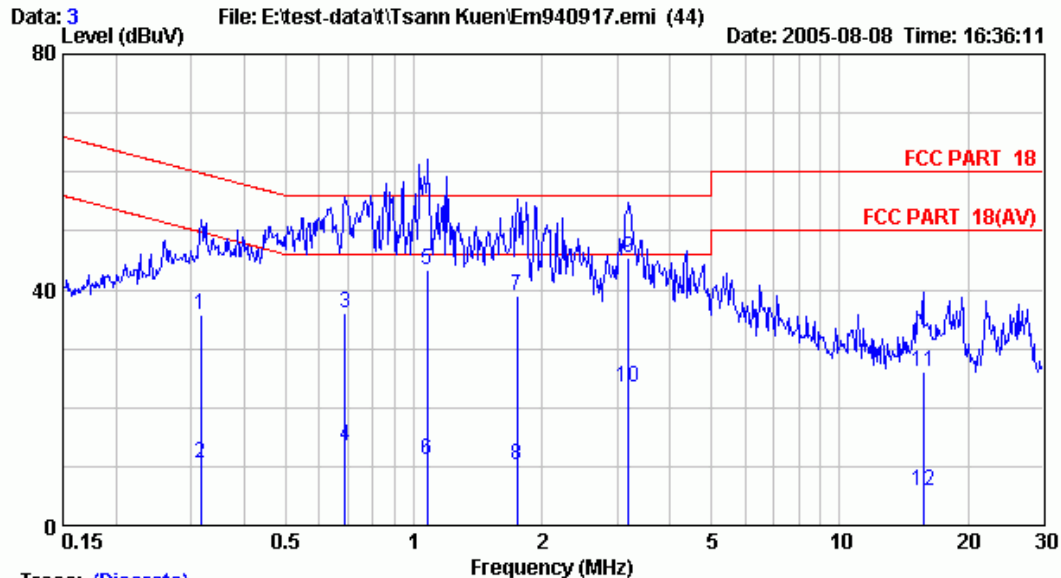
Site : No.2 Shielded room Data : 4  
Condition : KNW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : BEVERAGE

|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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

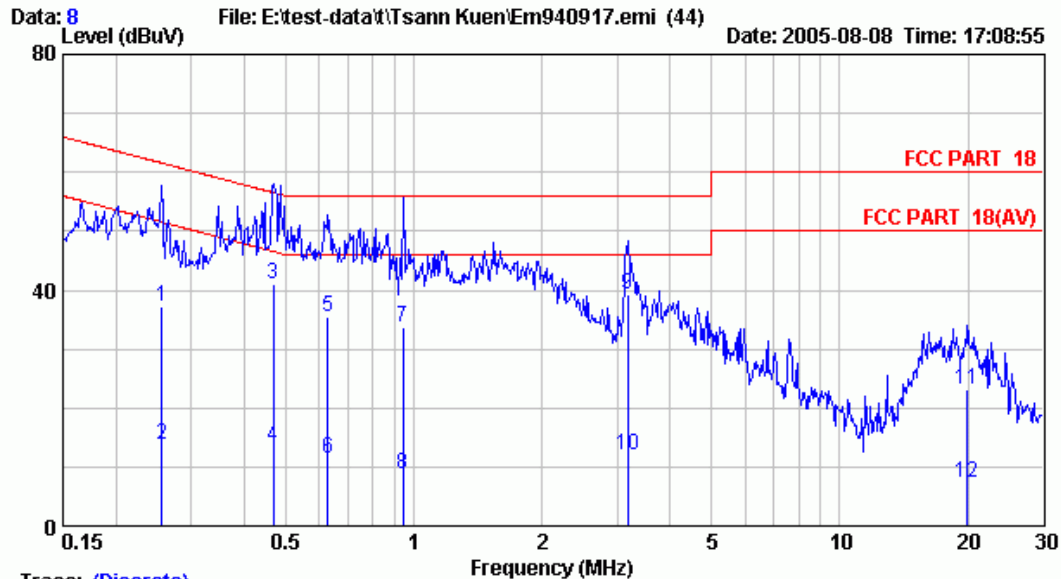
|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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

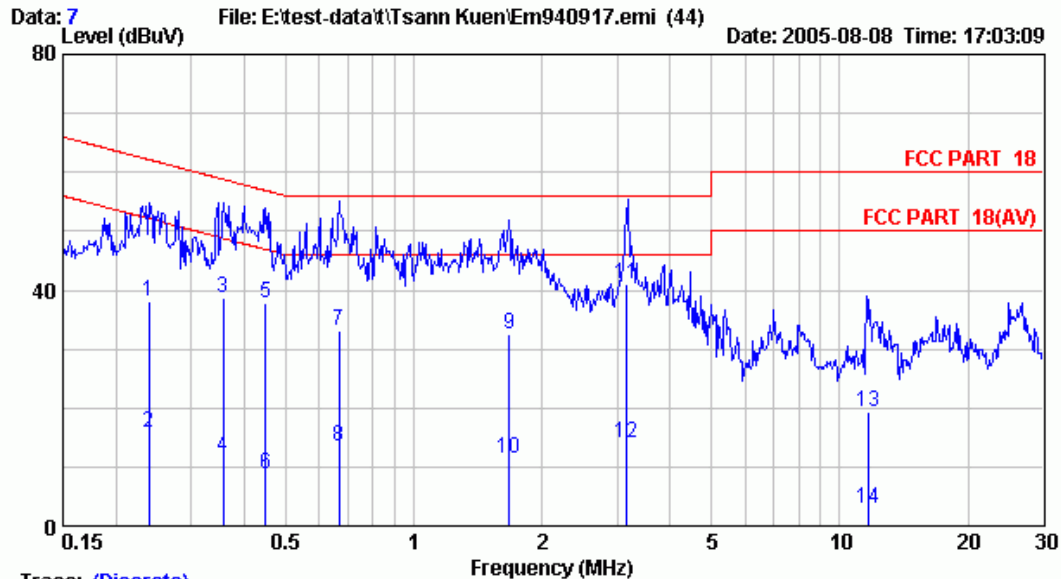
|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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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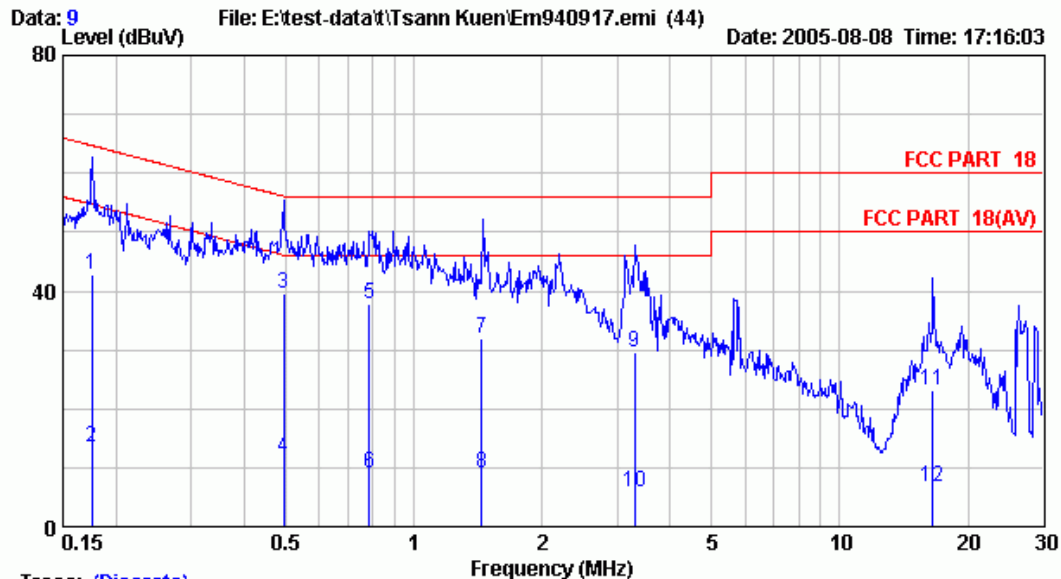
Site : No.2 Shielded room Data : 7  
Condition : KHW-407 Phase : LINE  
Limit : FCC PART 18  
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : SOUP

|    | Freq.<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Reading<br>Level<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V) | Limits<br>(dB $\mu$ V) | Margin<br>(dB) | Remark  |
|----|----------------|------------------------|-----------------------|----------------------------------|-----------------------------------|------------------------|----------------|---------|
| 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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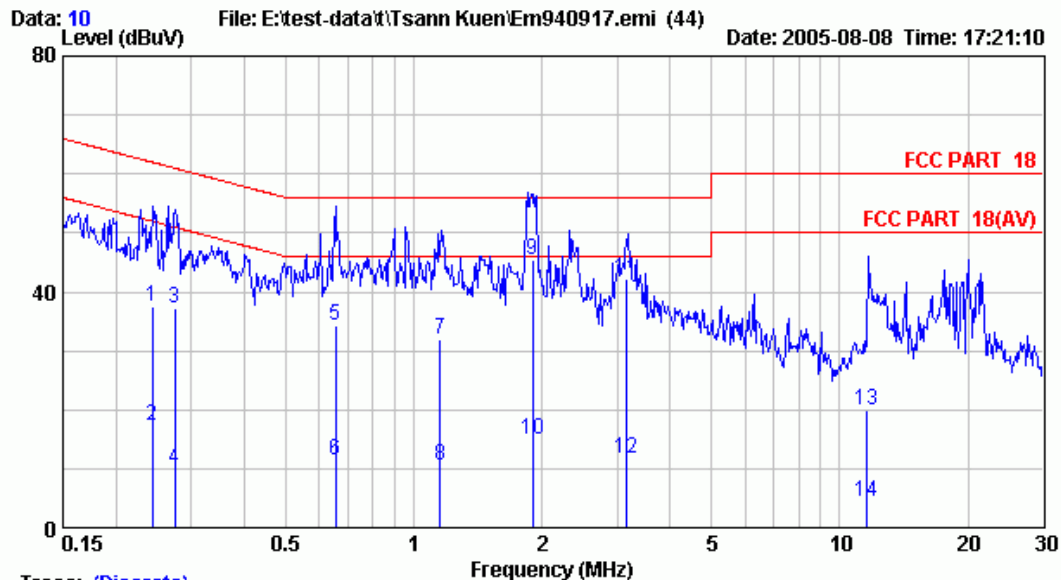
Site : No.2 Shielded room Data : 9  
Condition : KNW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 24°C,46% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : CASS

|       |        | LISN   | Cable |              | Emission     |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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

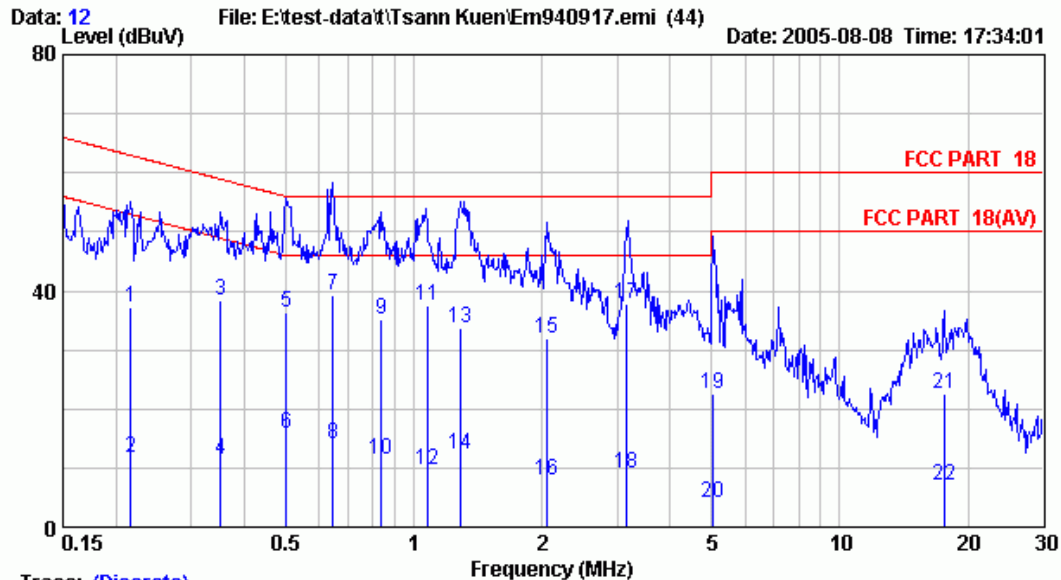
|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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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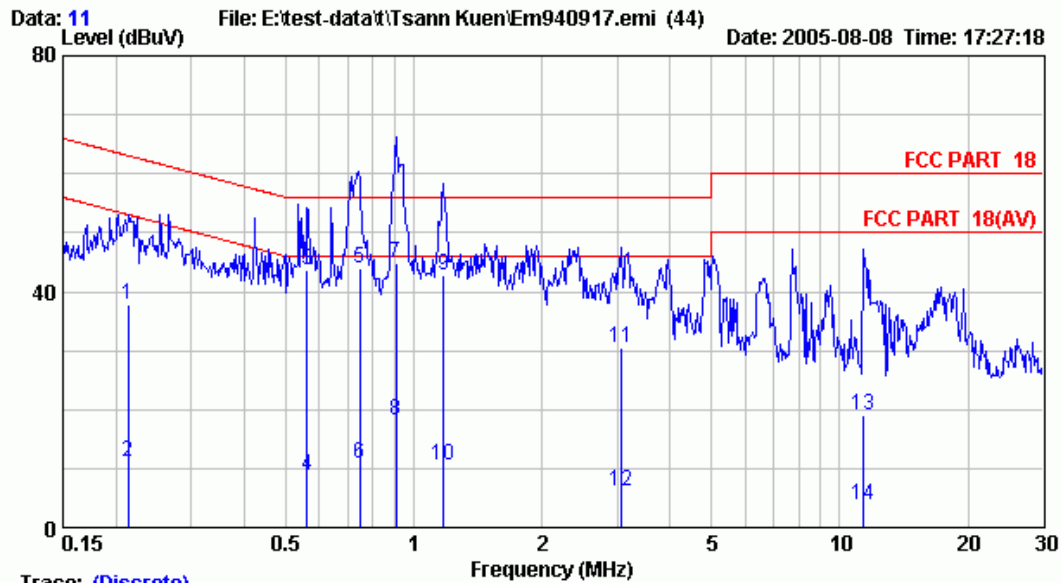
Site : No.2 Shielded room Data : 12  
Condition : KMW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : SING

|    | Freq.<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V) | Limits<br>(dB $\mu$ V) | Margin<br>(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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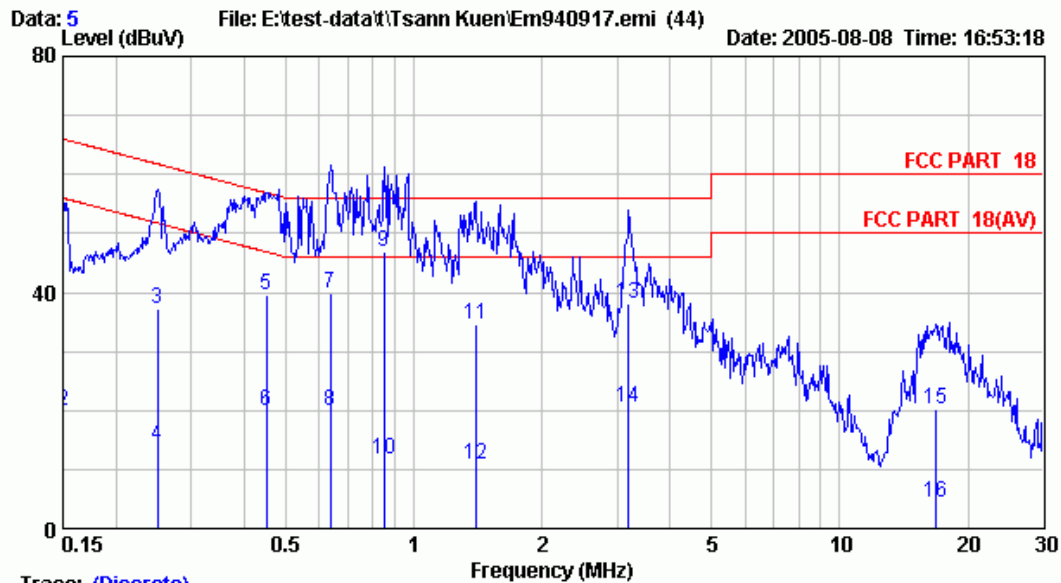
Site : No.2 Shielded room Data : 11  
Condition : KMW-407 Phase : LINE  
Limit : FCC PART 18  
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : SING

|       |        | LISN   | Cable | Emission     |              |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ V) | (dB)   |         |
| 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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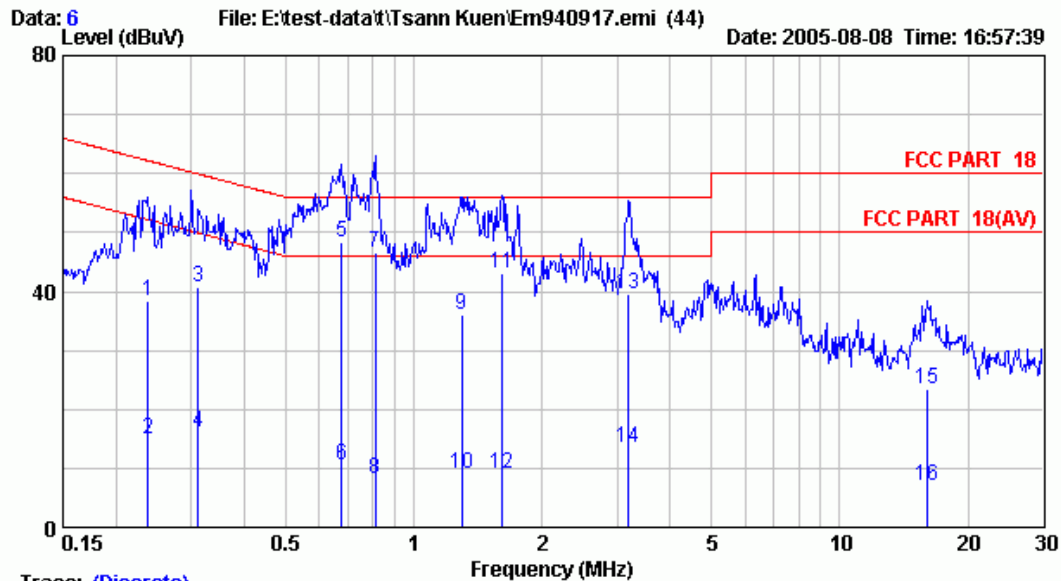
Site : No.2 Shielded room Data : 5  
Condition : KMW-407 Phase : NEUTRAL  
Limit : FCC PART 18  
Env. / Ins. : 24°C, 46% / ESCS 30 Engineer: Cater Chou  
EUT : Microwave Oven M/N: TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : AUTO DEFROST

|       |        | LISN   | Cable |              | Emission     |              |        |         |
|-------|--------|--------|-------|--------------|--------------|--------------|--------|---------|
| Freq. |        | Factor | Loss  | Reading      | Level        | Limits       | Margin | Remark  |
| (MHz) |        | (dB)   | (dB)  | (dB $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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 $\mu$ V) | (dB $\mu$ V) | (dB $\mu$ 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)

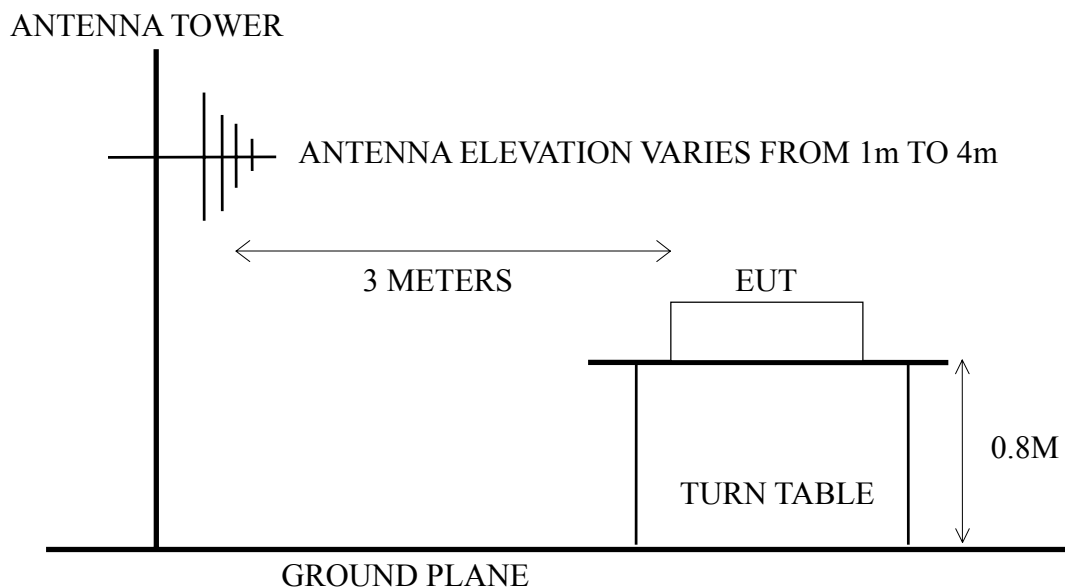
| Item | Type                                   | Manufacturer | Model No.   | Serial No. | Last Cal.    | Next Cal.    |
|------|----------------------------------------|--------------|-------------|------------|--------------|--------------|
| 1.   | Spectrum Analyzer                      | HP           | 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<br>- 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%

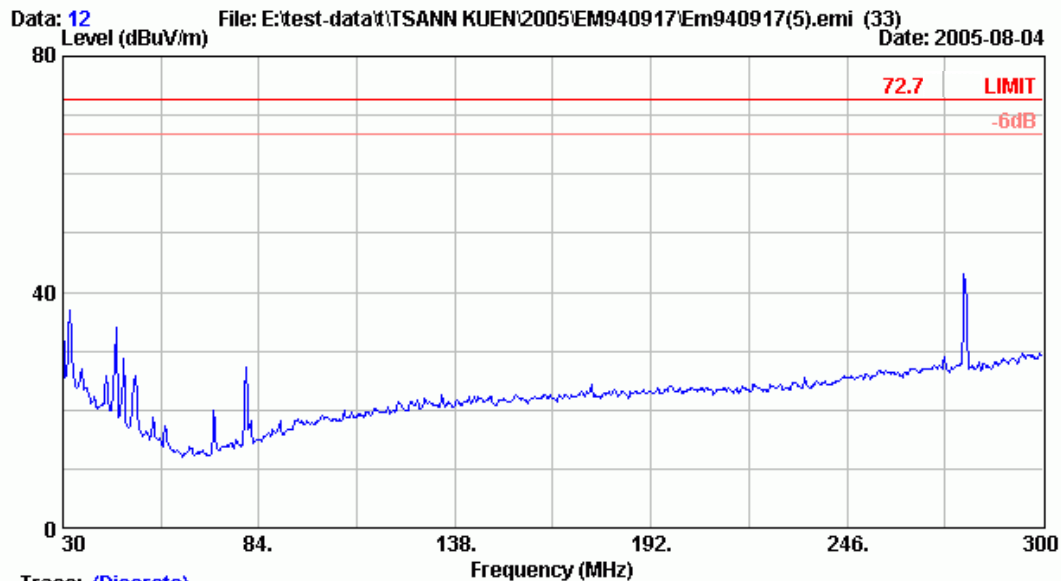
Test Date : Aug. 10, 2005      Temperature : 20°C      Humidity : 69%

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<br>(30MHz-1GHz)                        | Load: 700ml,<br>Beaker Location: Center (Max.)      | #12, # 9                | #11, # 7  |
| 2.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Mid.)      | #16, # 6                | # 15, # 5 |
| 3.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Min.)      | # 17, # 3               | #18, # 4  |
| 4.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Defrost)   | # 20, # 2               | # 19, # 1 |
| 5.  | Above 1GHz<br>(1GHz-25GHz)                        | Load: 700ml,<br>Beaker Location: Center             | # 32                    | # 33      |
| 6.  | Above 1GHz.<br>(At second and<br>third harmonics) | Load: 700ml,<br>Beaker Location: Right Front Corner | # 27                    | # 26      |
| 7.  |                                                   | Load: 300ml,<br>Beaker Location: Center             | # 28                    | # 29      |
| 8.  |                                                   | Load: 300ml,<br>Beaker Location: Right Front Corner | # 31                    | # 30      |

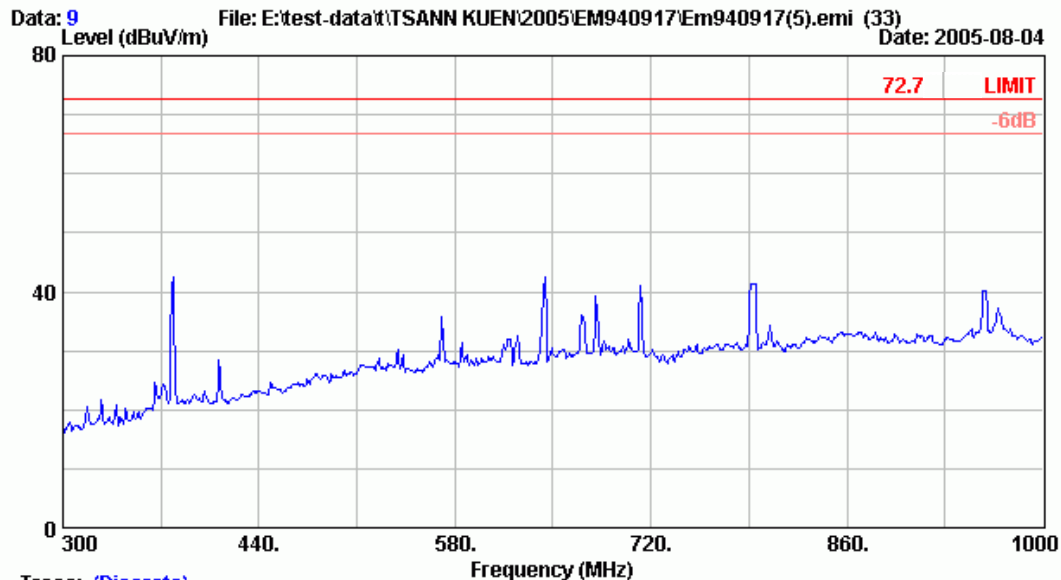


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 12          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

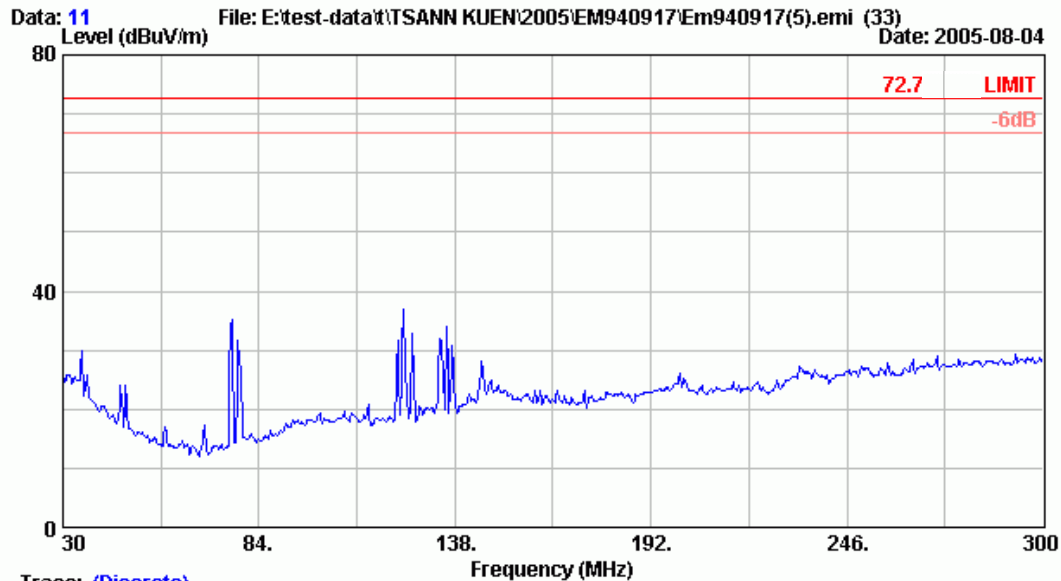


Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 9           |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

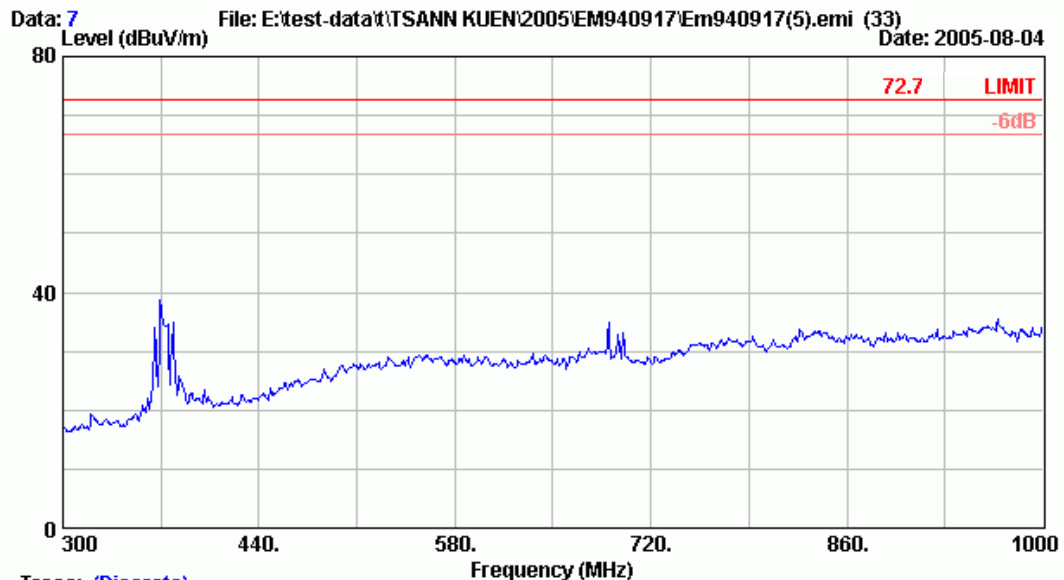


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 11          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

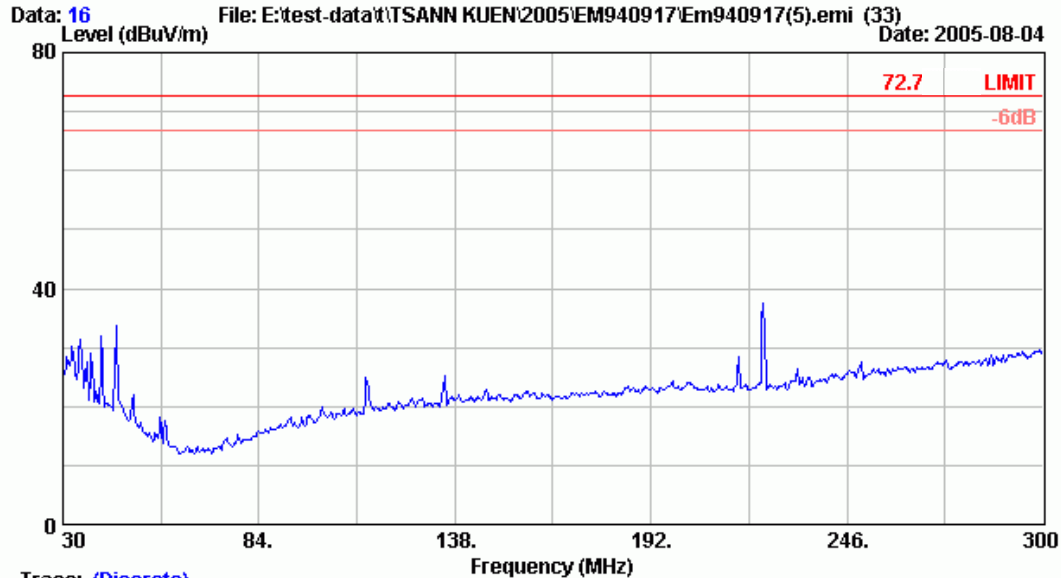


Trace: (Discrete)

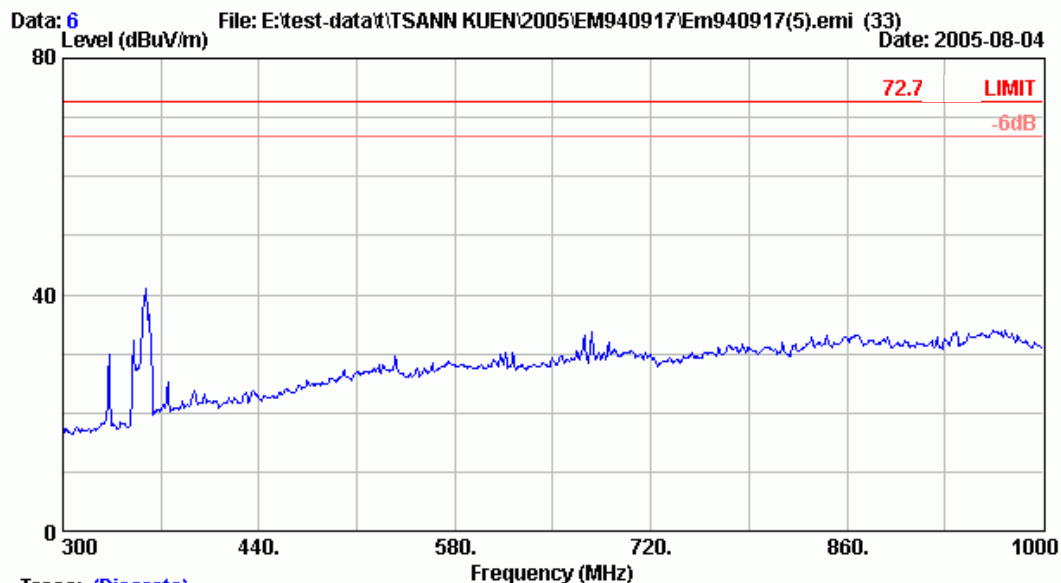
|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 7           |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |



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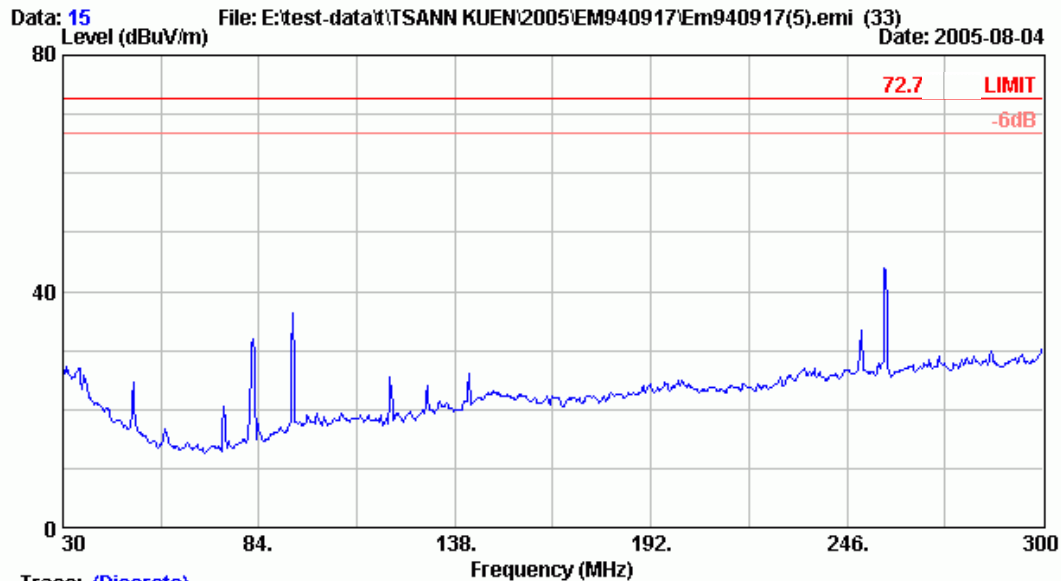
Site no. : A/C Chamber Data no. : 16  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402AMM  
Power Rating : 120Vac/60Hz  
Test Mode : Mid  
700 milliliters of waters in the beaker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

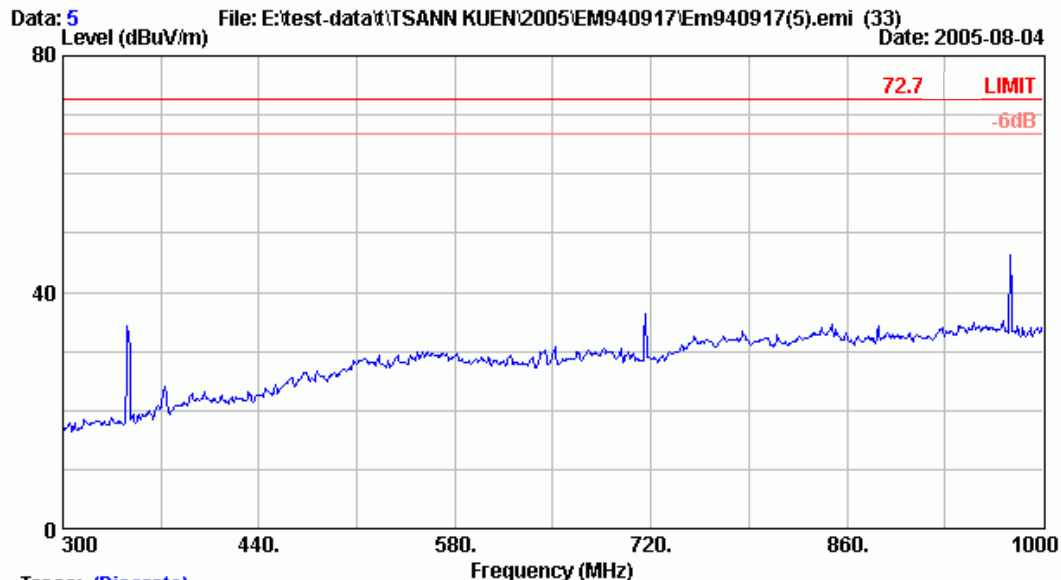


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 15          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

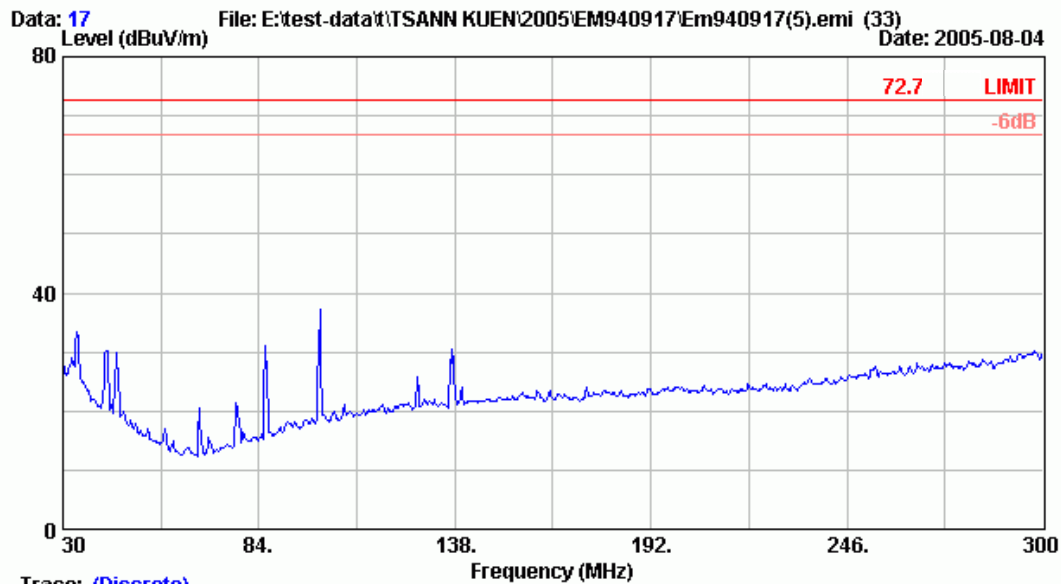


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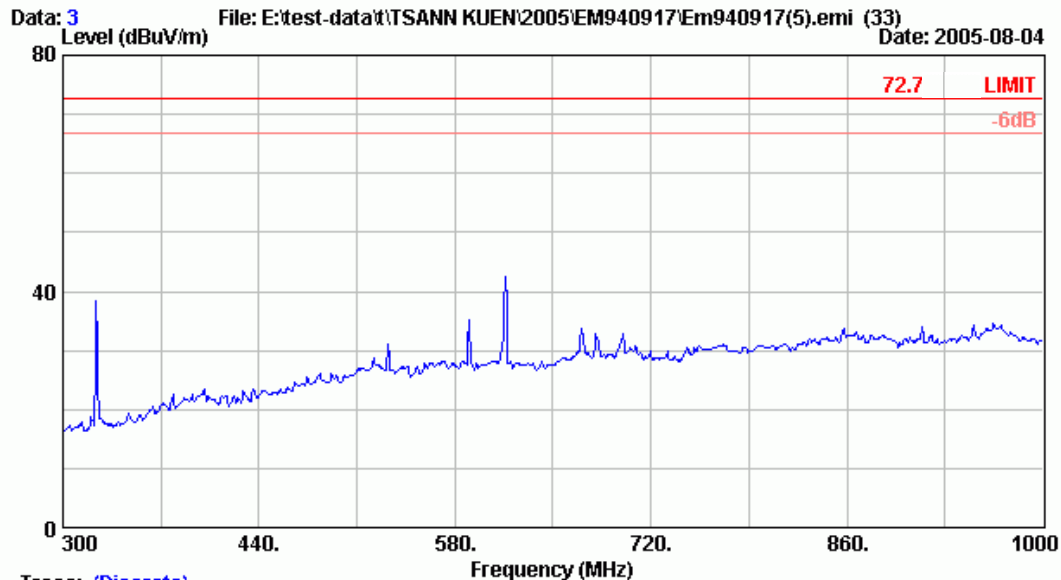
|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 5           |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |



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Site no. : A/C Chamber Data no. : 17  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  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

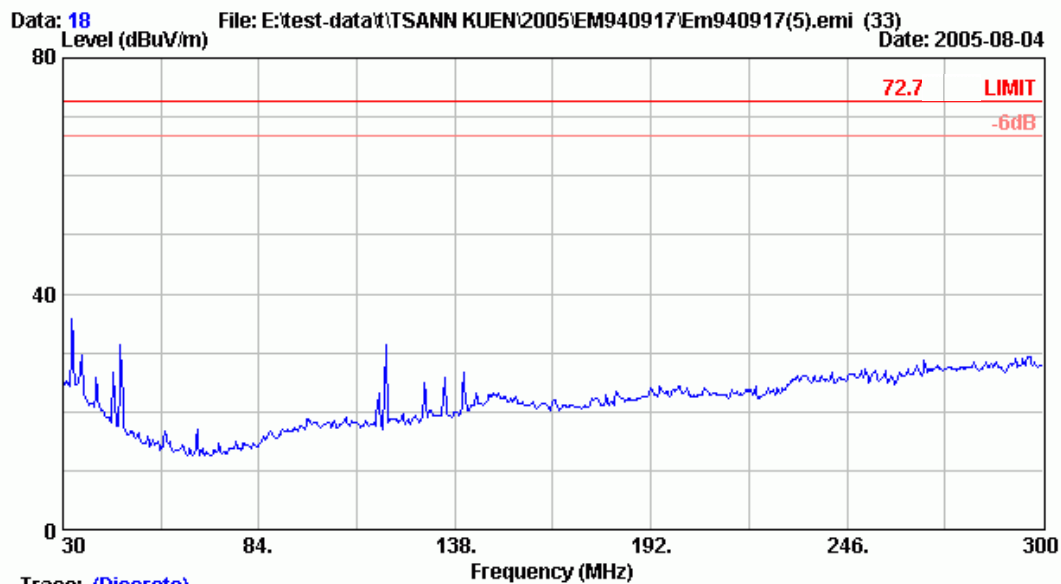


Site no. : A/C Chamber Data no. : 3  
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402AMM  
Power Rating : 120Vac/60Hz  
Test Mode : Min  
700 milliliters of waters in the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





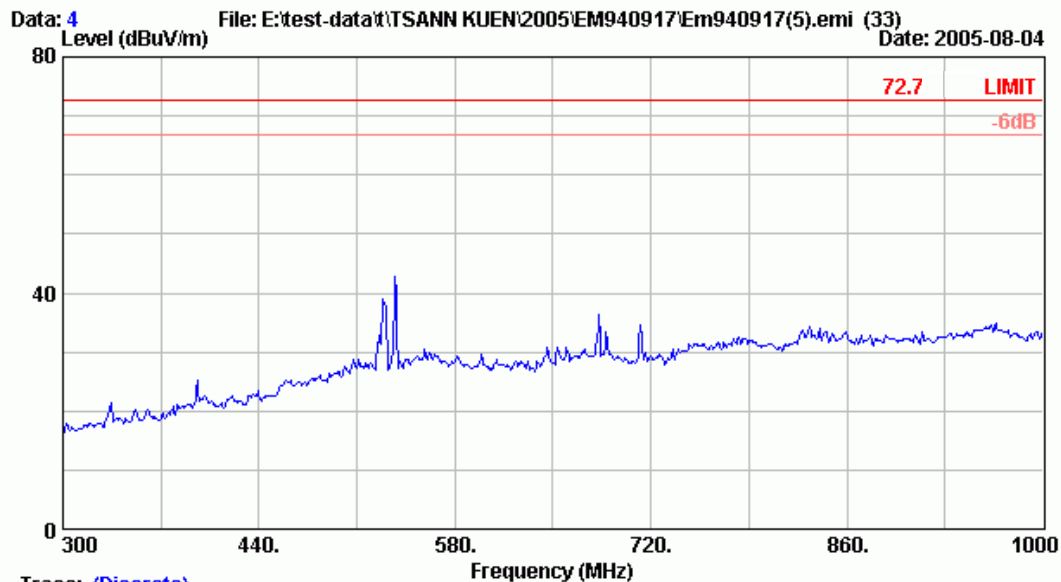
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Trace: (Discrete)

|              |                                  |           |               |
|--------------|----------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                    | Data no.  | : 18          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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



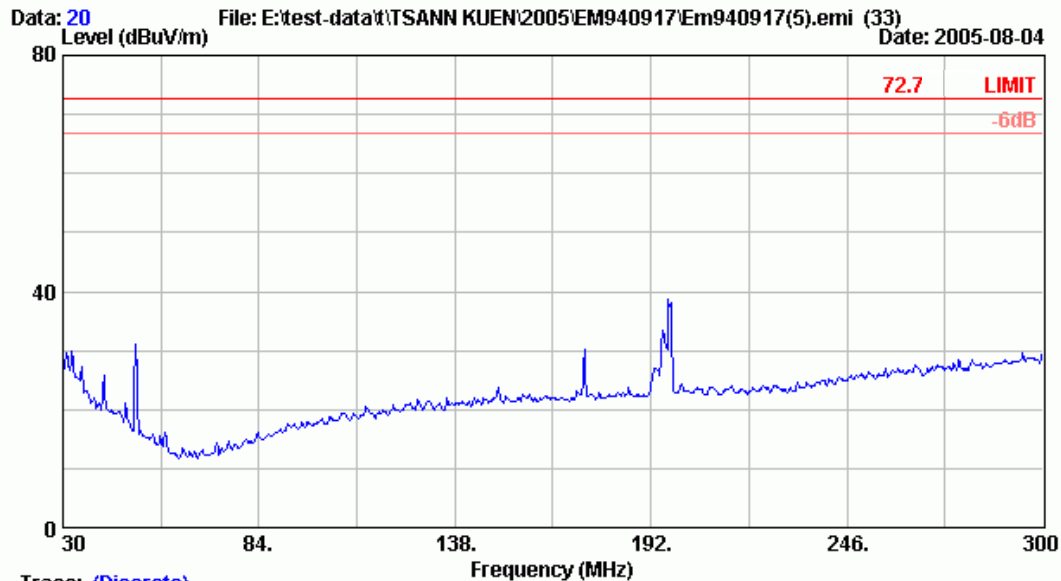
Trace: (Discrete)

|              |                                  |           |               |
|--------------|----------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                    | Data no.  | : 4           |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)           | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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

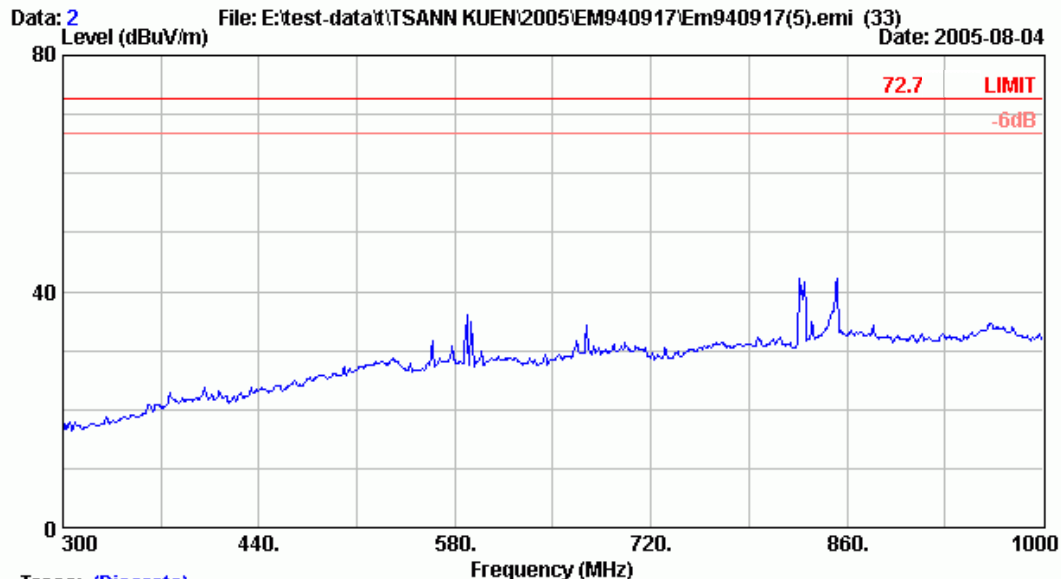


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 20          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

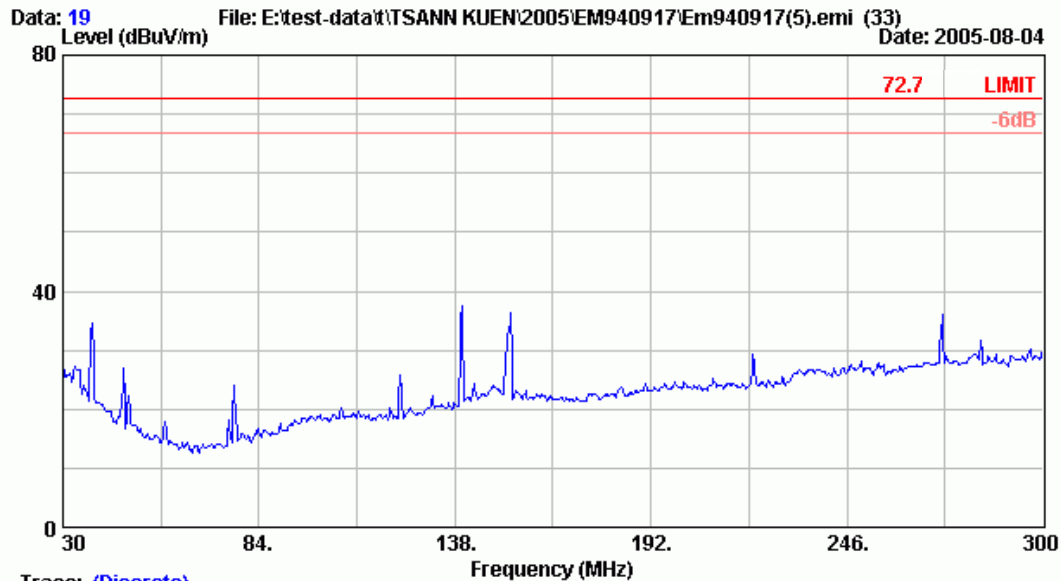


Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 2           |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

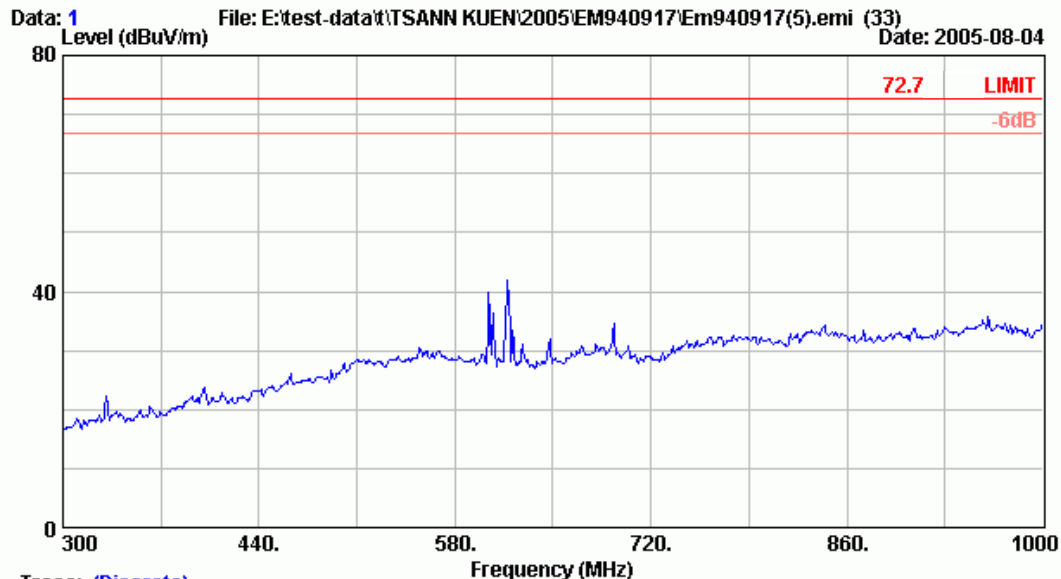


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 19          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

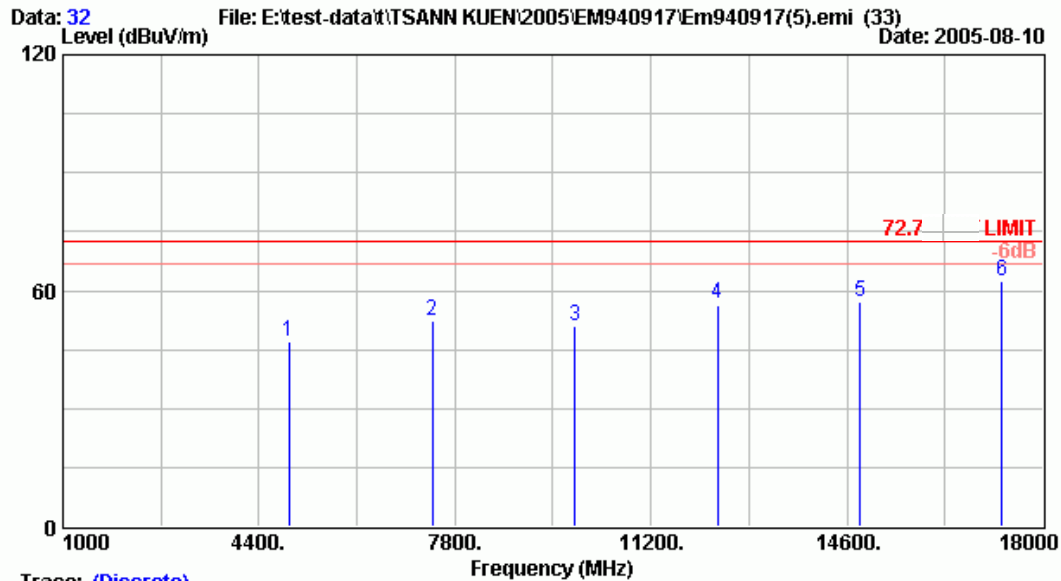


Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 1           |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |



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Trace: (Discrete)

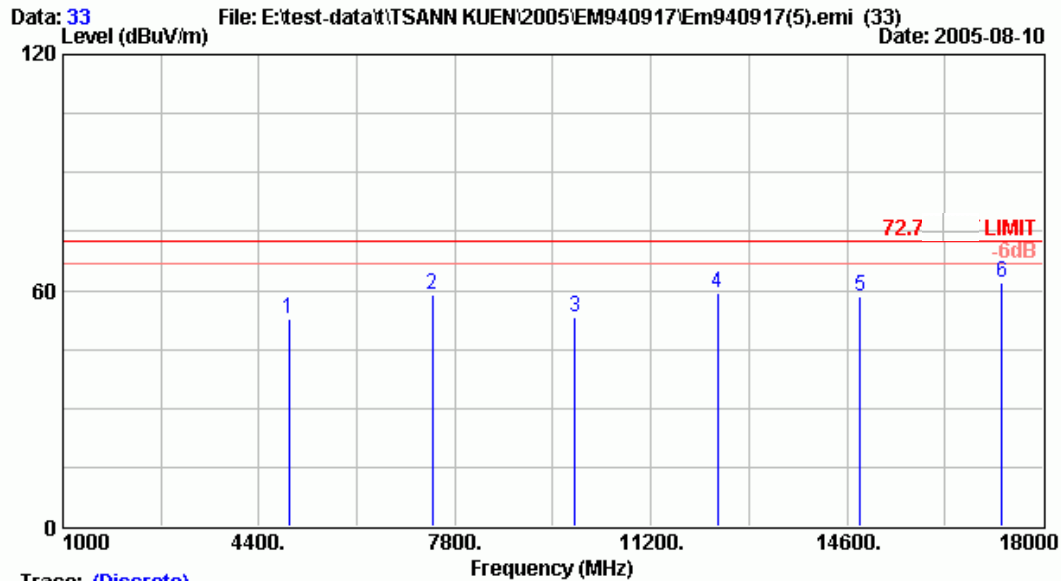
Site no. : A/C Chamber Data no. : 32  
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402AMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
700 milliliters of waters in the beaker  
located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

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(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)

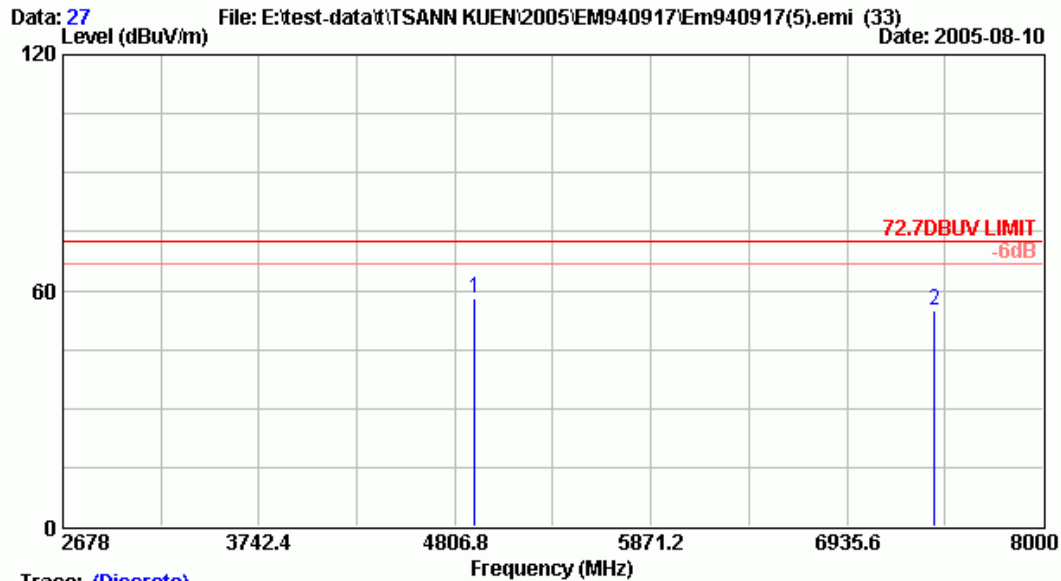
Site no. : A/C Chamber Data no. : 33  
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL  
 Limit : 72.7 dB  $\mu$  V/m  
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
 EUT : Microwave Oven M/N:TSK-8402AMM  
 Power Rating : 120Vac/60Hz  
 Test Mode : Max  
 700 milliliters of waters in the beaker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

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(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)

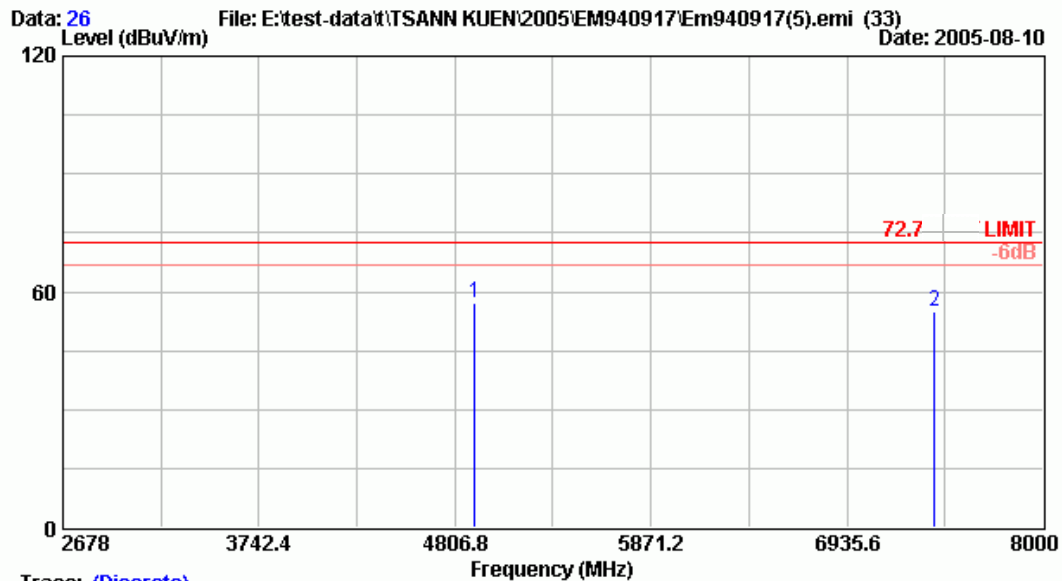
Site no. : A/C Chamber Data no. : 27  
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL  
 Limit : 72.7 dB  $\mu$  V/m  
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
 EUT : Microwave Oven M/N:TSK-8402AMM  
 Power Rating : 120Vac/60Hz  
 Test Mode : Max  
 700 milliliters of waters in the beaker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

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(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)

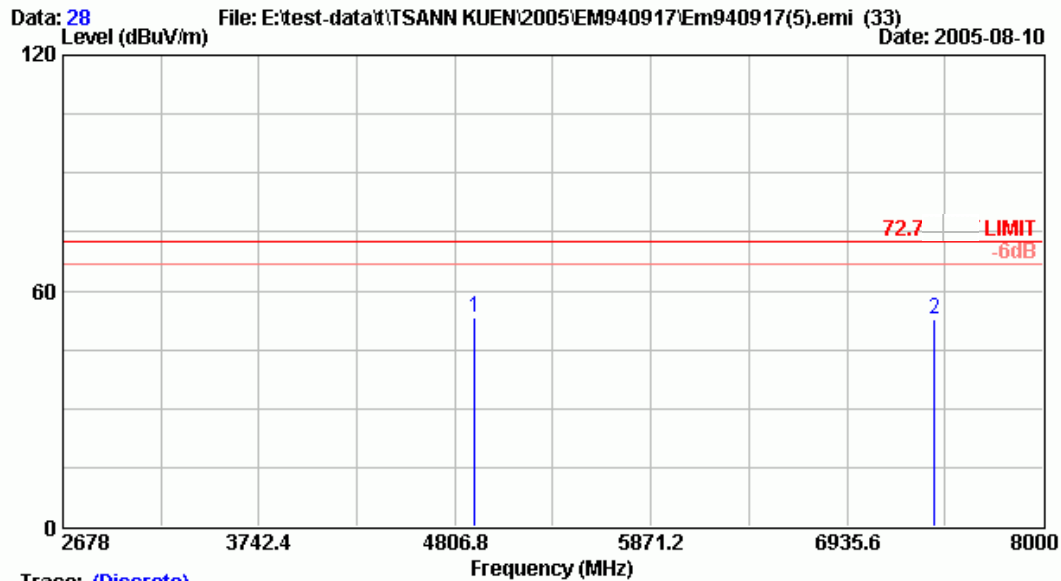
Site no. : A/C Chamber Data no. : 26  
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402AMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
700 milliliters of waters in the beaker  
located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

| Freq.<br>(MHz) | Ant. Cable       |              | Emission                |                         | Limits | Margin | Remark  |
|----------------|------------------|--------------|-------------------------|-------------------------|--------|--------|---------|
|                | Factor<br>(dB/m) | Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Level<br>(dB $\mu$ V/m) |        |        |         |
| 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  $\mu$  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

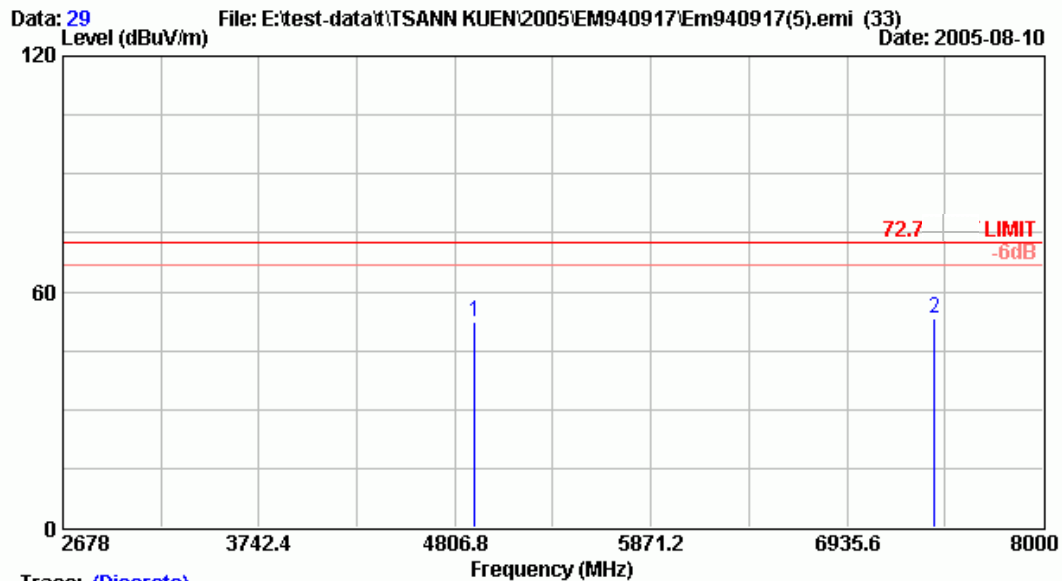
|            |        | Ant.  | Cable        |                | Emission       |        |         |  |
|------------|--------|-------|--------------|----------------|----------------|--------|---------|--|
| Freq.      | Factor | Loss  | Reading      | Level          | Limits         | Margin | Remark  |  |
| (MHz)      | (dB/m) | (dB)  | (dB $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ 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)

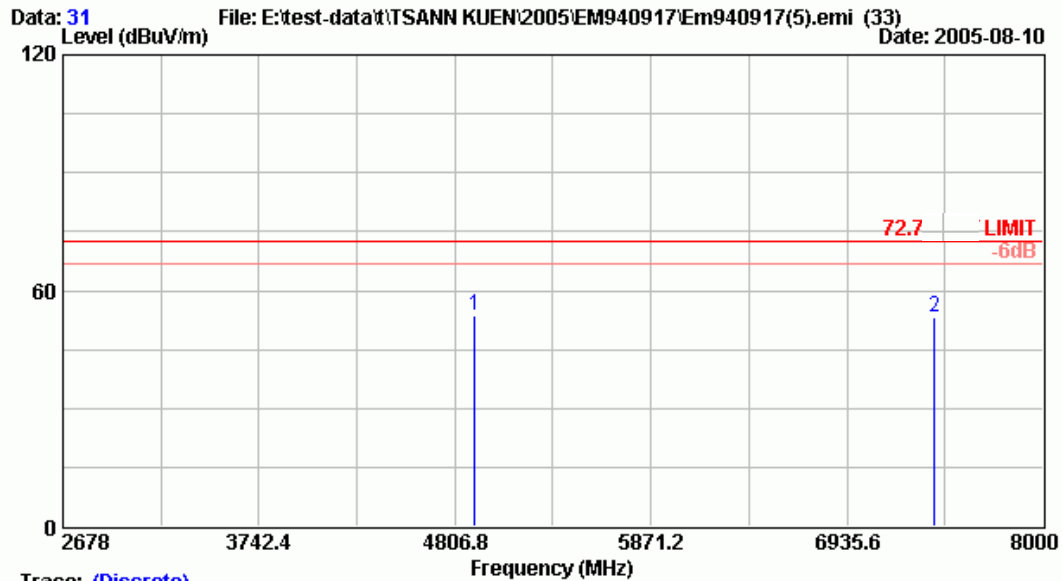
Site no. : A/C Chamber Data no. : 29  
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL  
 Limit : 72.7 dB  $\mu$  V/m  
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
 EUT : Microwave Oven M/N:TSK-8402AMM  
 Power Rating : 120Vac/60Hz  
 Test Mode : Max  
 300 milliliters of waters in the beaker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

|            |        | Ant. Cable |              | Emission       |                |        |         |  |
|------------|--------|------------|--------------|----------------|----------------|--------|---------|--|
| Freq.      | Factor | Loss       | Reading      | Level          | Limits         | Margin | Remark  |  |
| (MHz)      | (dB/m) | (dB)       | (dB $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ V/m) | (dB)   |         |  |
| 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)

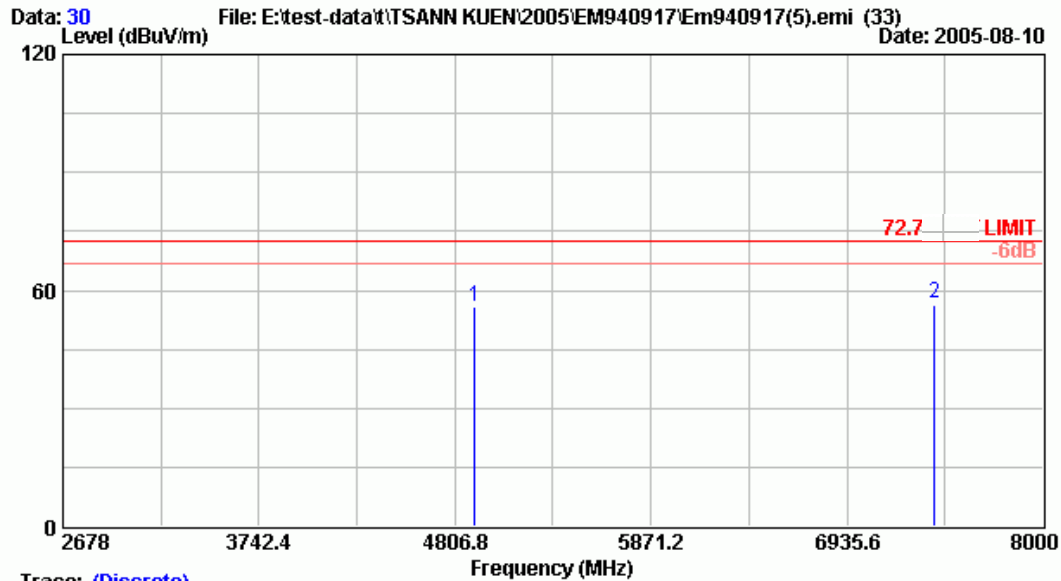
Site no. : A/C Chamber Data no. : 31  
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402AMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
300 milliliters of waters in the beaker  
located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

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission |  | Limits<br>(dB $\mu$ V/m) | Margin<br>(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  $\mu$  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 $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ 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.

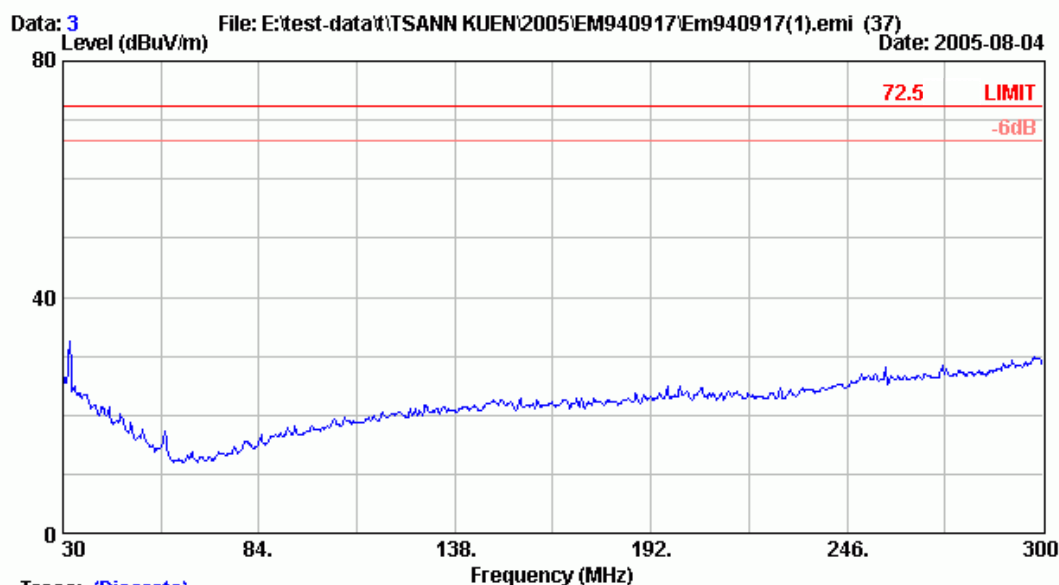
Test Date : Aug. 04, 2005    Temperature : 20°C    Humidity : 69%

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<br>(30MHz-1GHz)                        | Load: 700ml,<br>Beaker Location: Center (Popcorn)      | # 3, #2                 | # 4, # 1   |
| 2.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Beverage)     | # 6, # 7                | # 5, # 8   |
| 3.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Soup)         | # 11, # 10              | # 12, # 9  |
| 4.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Cass)         | # 14, # 15              | # 13, # 16 |
| 5.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Sing)         | # 19, # 18              | # 20, # 17 |
| 6.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Auto Defrost) | # 22, # 23              | # 21, # 24 |
| 7.  | Above 1GHz<br>(1GHz-25GHz)                        | Load: 700ml,<br>Beaker Location: Center                | # 36                    | # 37       |
| 8.  | Above 1GHz.<br>(At second and<br>third harmonics) | Load: 700ml,<br>Beaker Location: Right Front Corner    | # 31                    | # 30       |
| 9.  |                                                   | Load: 300ml,<br>Beaker Location: Center                | # 35                    | # 34       |
| 10. |                                                   | Load: 300ml,<br>Beaker Location: Right Front Corner    | # 32                    | # 33       |

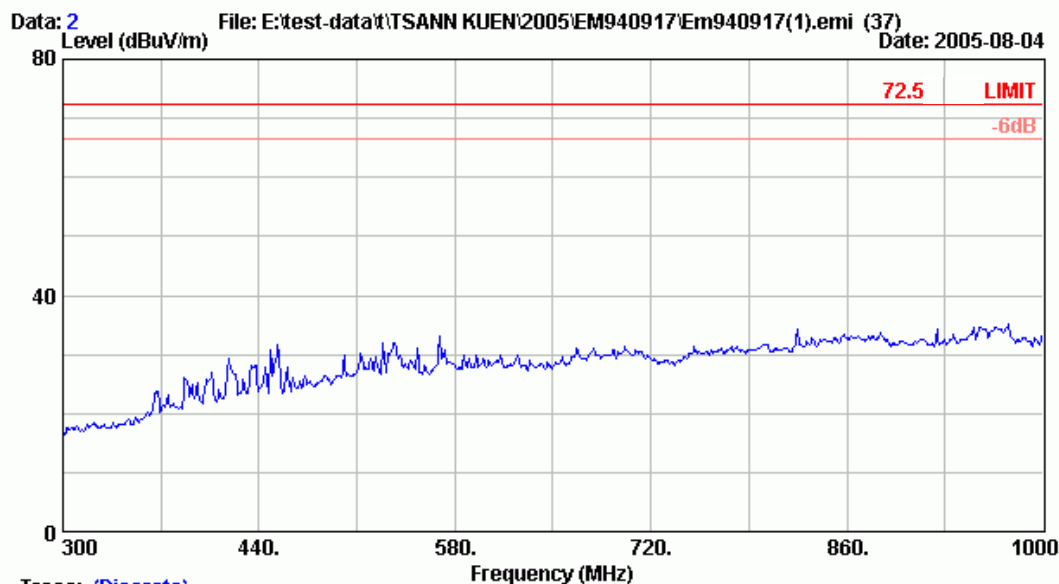


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 3           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.5 dB $\mu$ 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<br>located in the center of the oven |           |               |

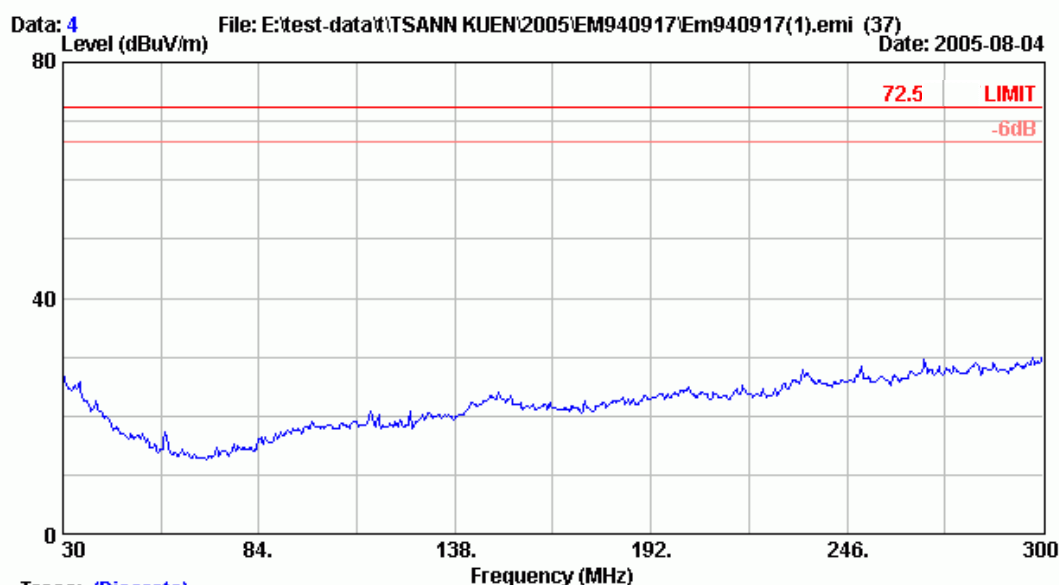


Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 2           |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.5 dB $\mu$ 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<br>located in the center of the oven |           |               |

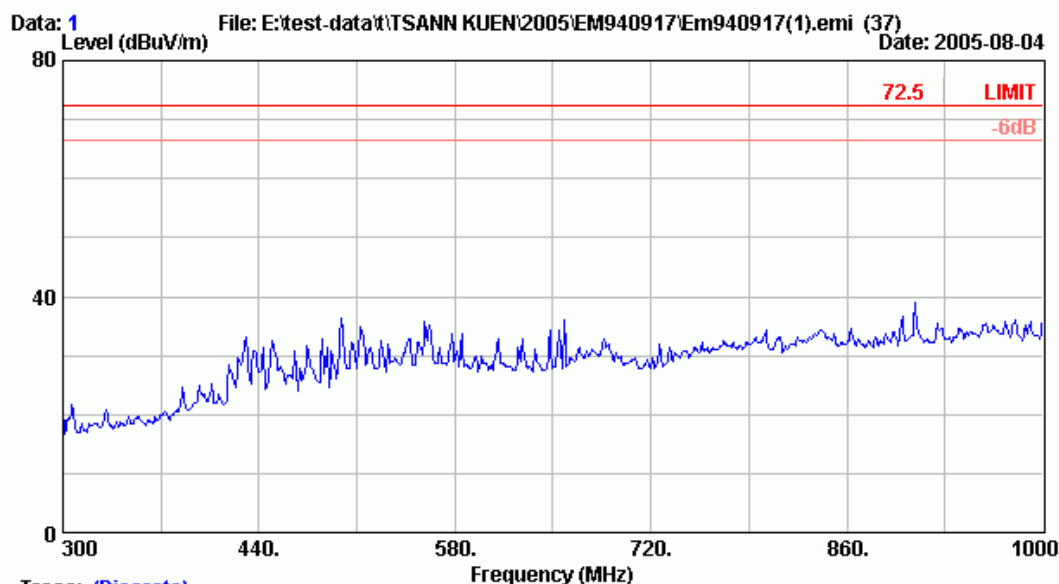


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Trace: (Discrete)

Site no. : A/C Chamber Data no. : 4  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL  
Limit : 72.5 dB  $\mu$  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

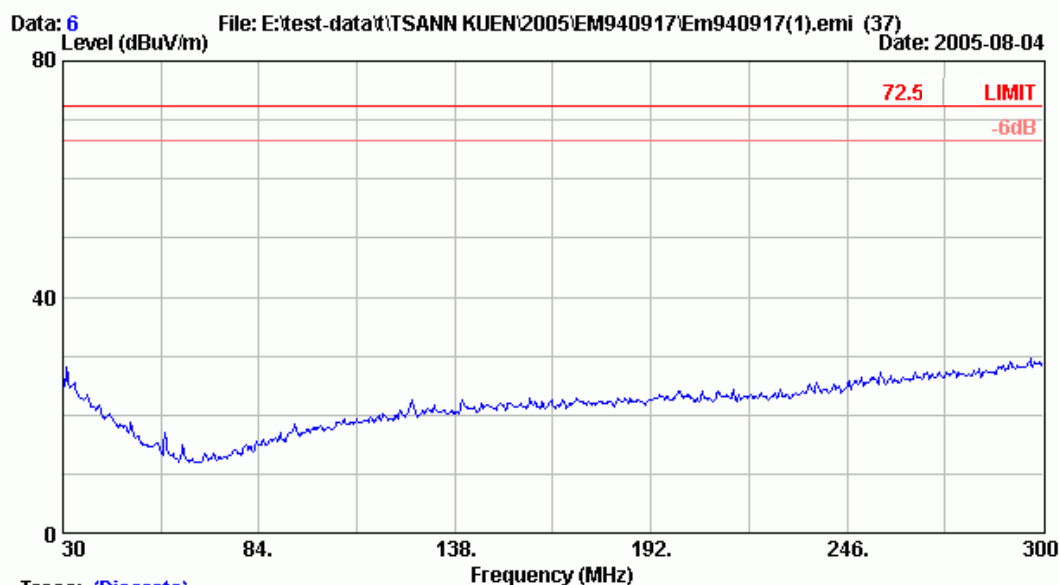


Trace: (Discrete)

Site no. : A/C Chamber Data no. : 1  
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL  
Limit : 72.5 dB  $\mu$  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

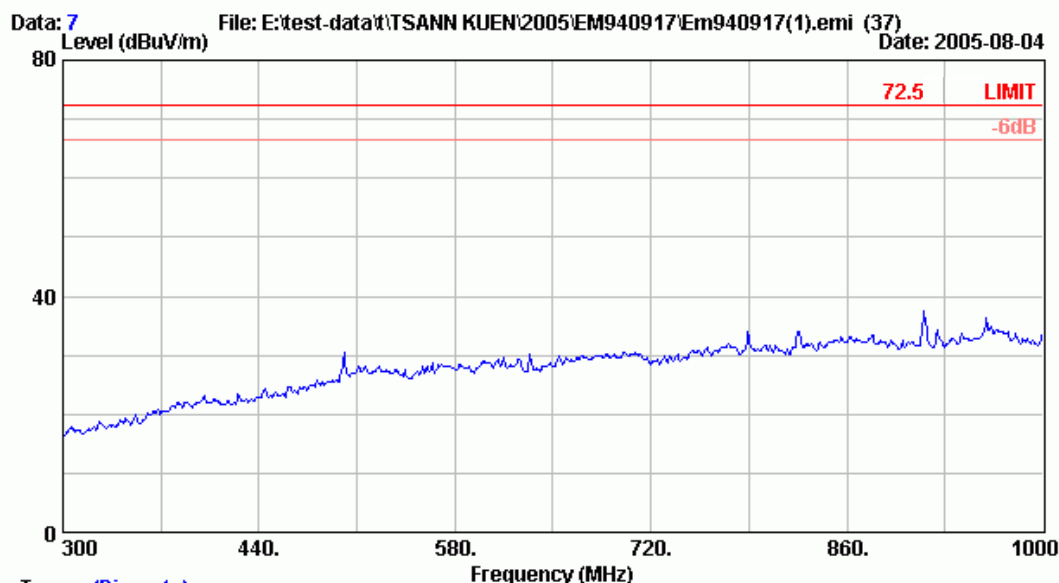


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 6           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.5 dB $\mu$ 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<br>located in the center of the oven |           |               |



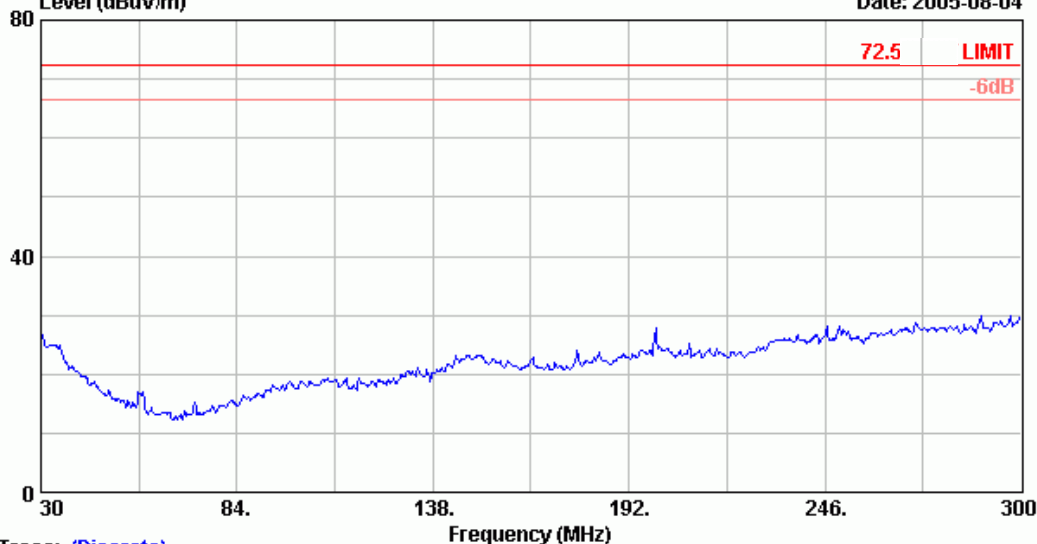
Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 7           |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.5 dB $\mu$ 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<br>located in the center of the oven |           |               |



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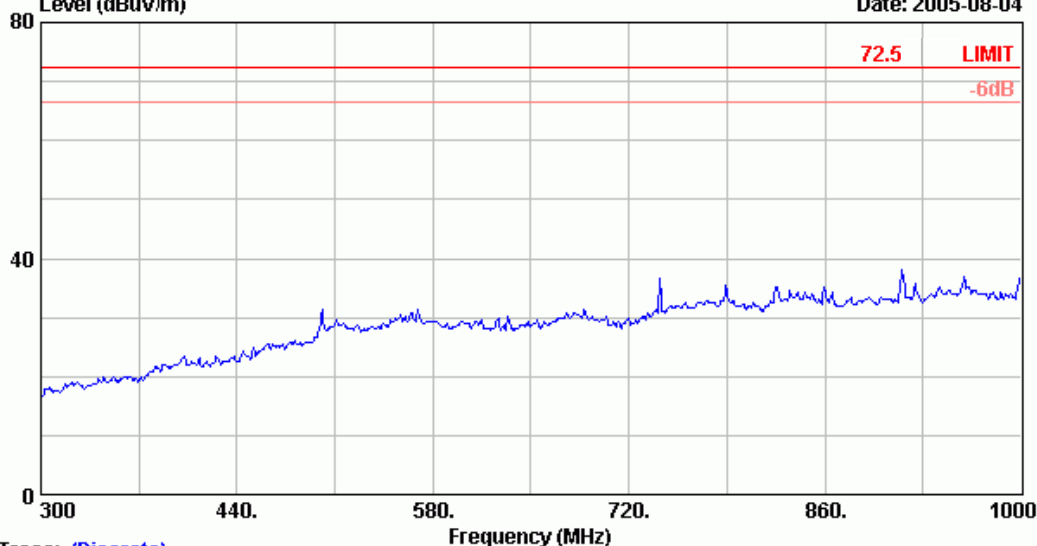
Data: 5 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04



Trace: (Discrete)

Site no. : A/C Chamber Data no. : 5  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL  
Limit : 72.5 dB $\mu$ 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: 8 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04



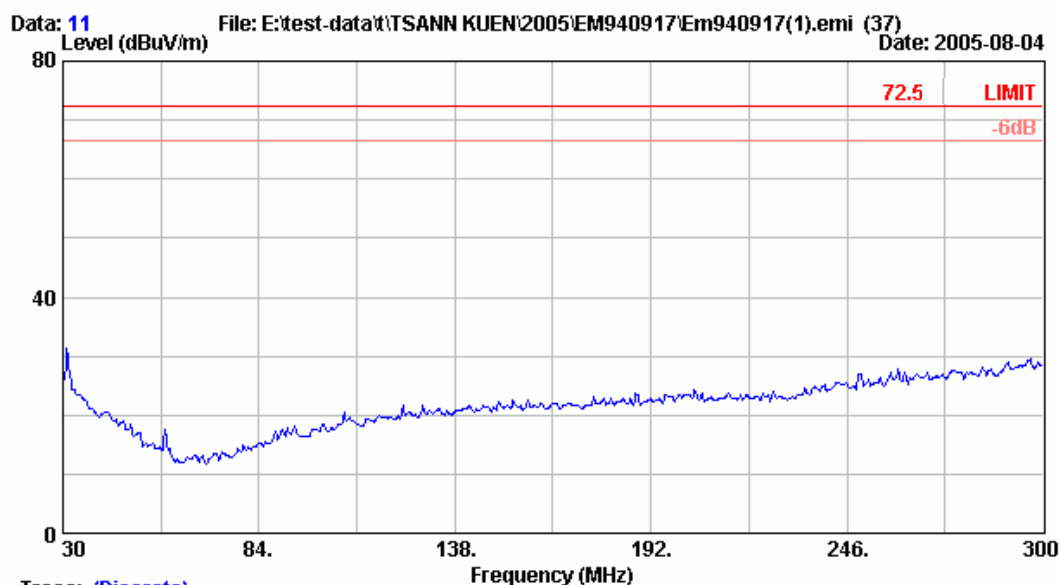
Trace: (Discrete)

Site no. : A/C Chamber Data no. : 8  
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL  
Limit : 72.5 dB $\mu$ 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



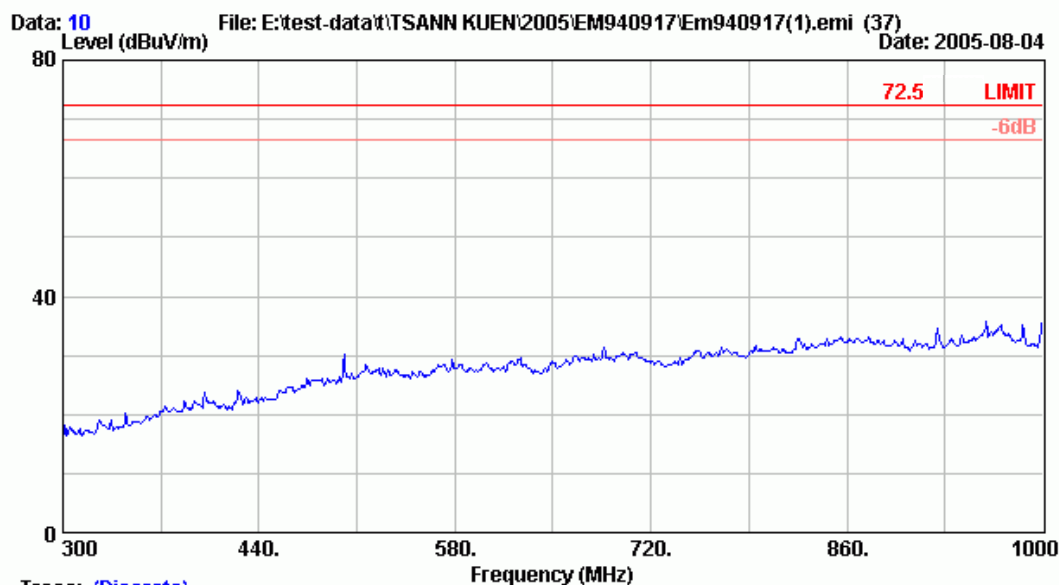


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Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                           | Data no.  | : 11          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.5 dB $\mu$ 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       |           |               |

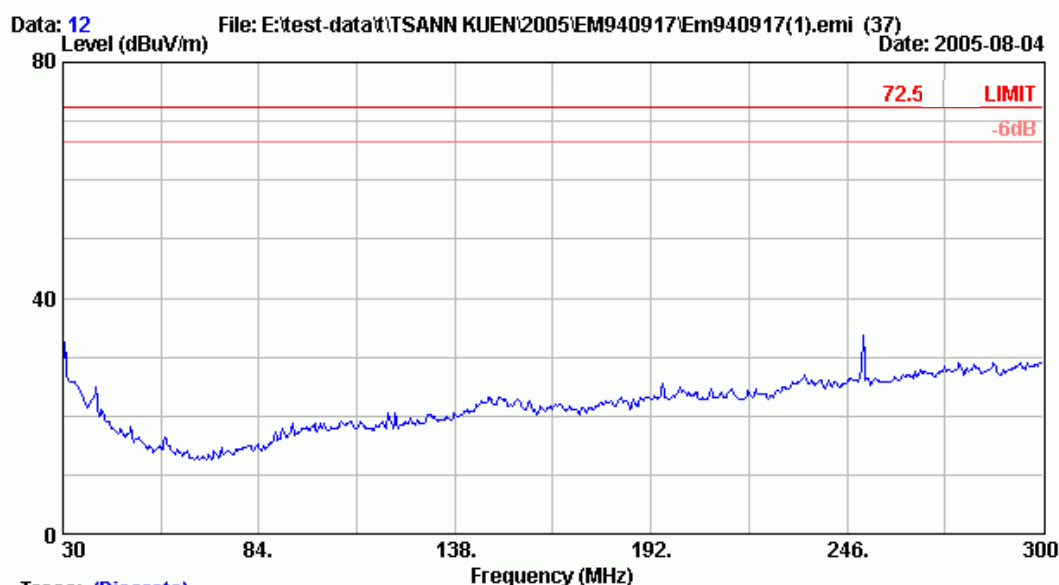


Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                           | Data no.  | : 10          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                  | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.5 dB $\mu$ 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       |           |               |

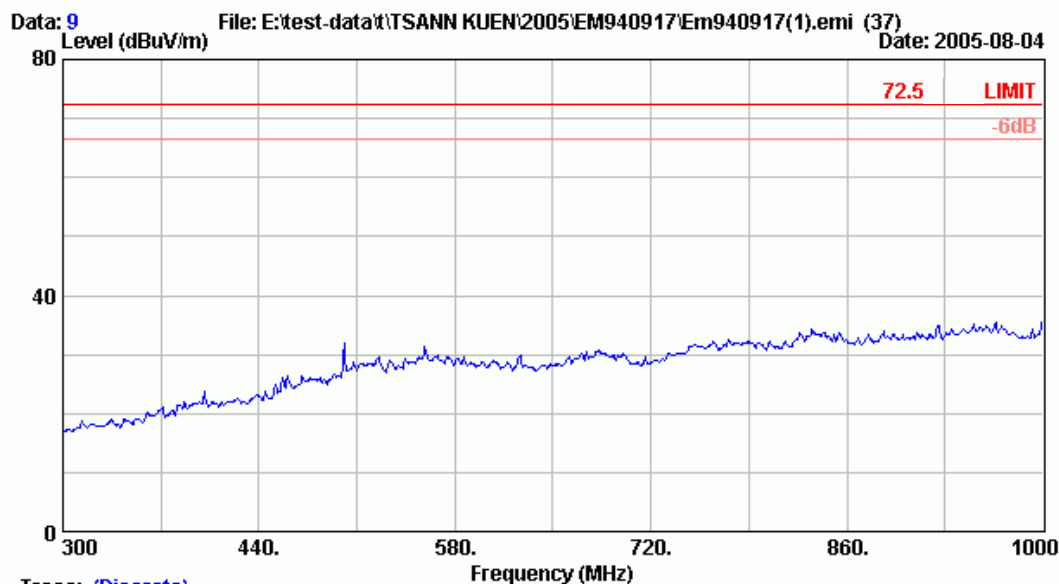


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Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                           | Data no.  | : 12          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.5 dB $\mu$ 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       |           |               |



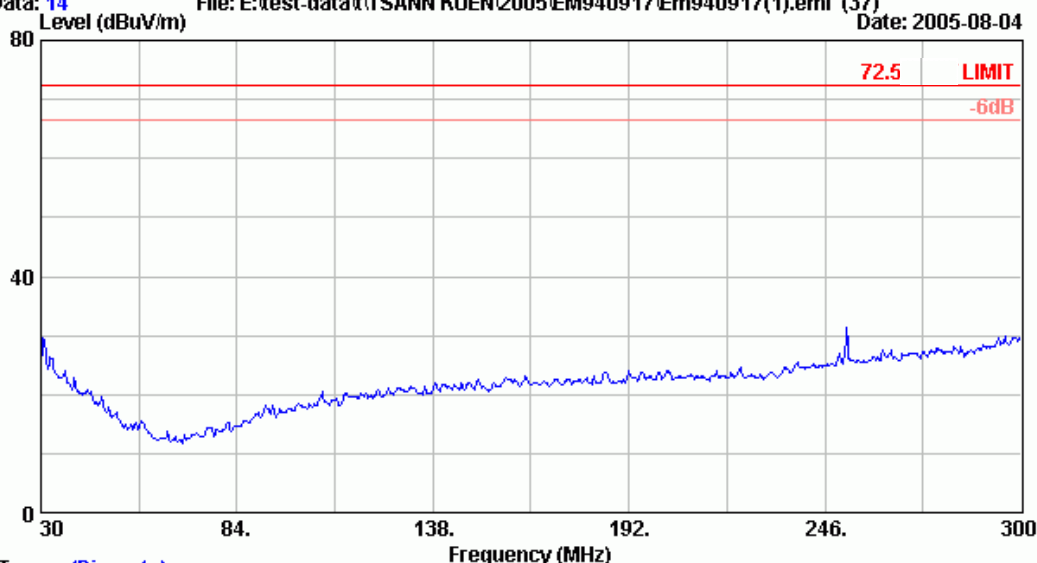
Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                           | Data no.  | : 9           |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                  | Ant. pol. | : VERTICAL    |
| Limit        | : 72.5 dB $\mu$ 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       |           |               |



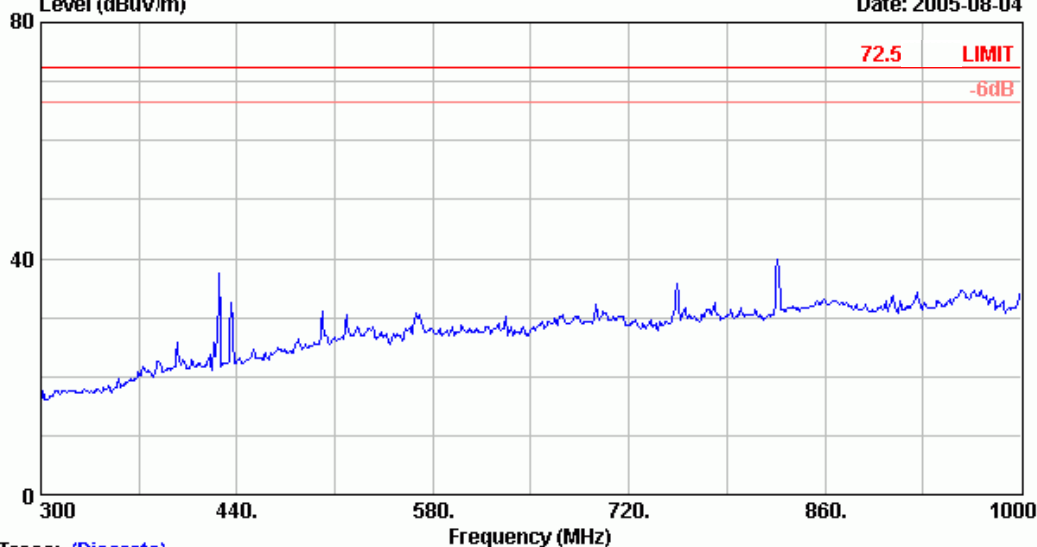
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Data: 14 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 14  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL  
Limit : 72.5 dB $\mu$ 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

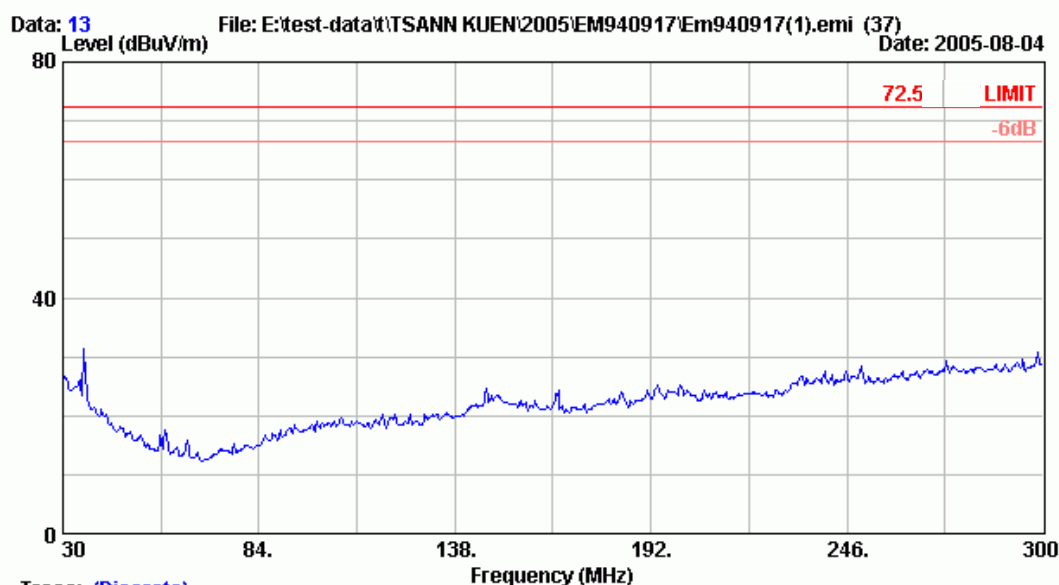
Data: 15 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 15  
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL  
Limit : 72.5 dB $\mu$ 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

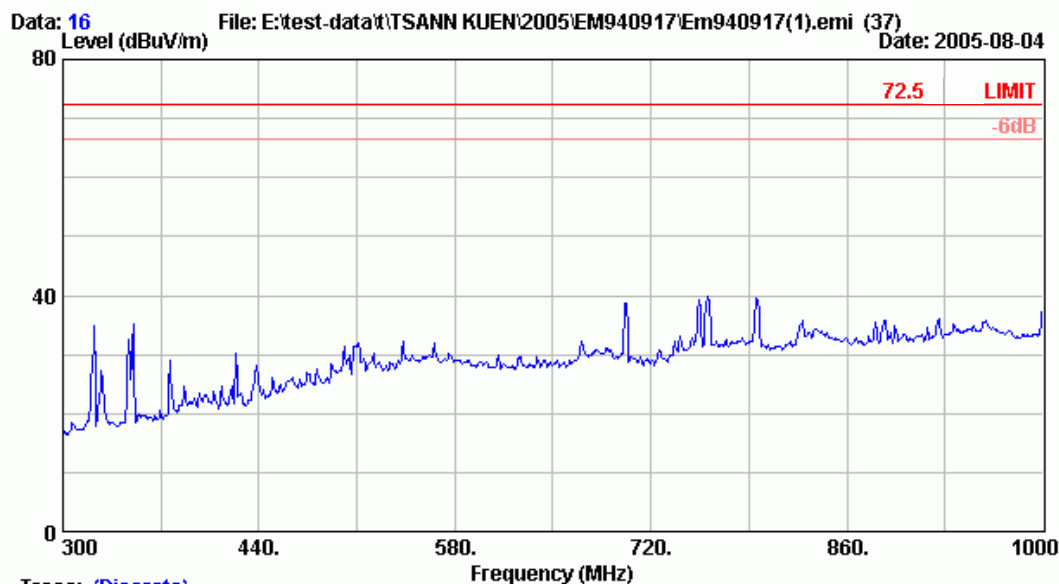


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 13          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : VERTICAL    |
| Limit        | : 72.5 dB $\mu$ 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<br>located in the center of the oven |           |               |

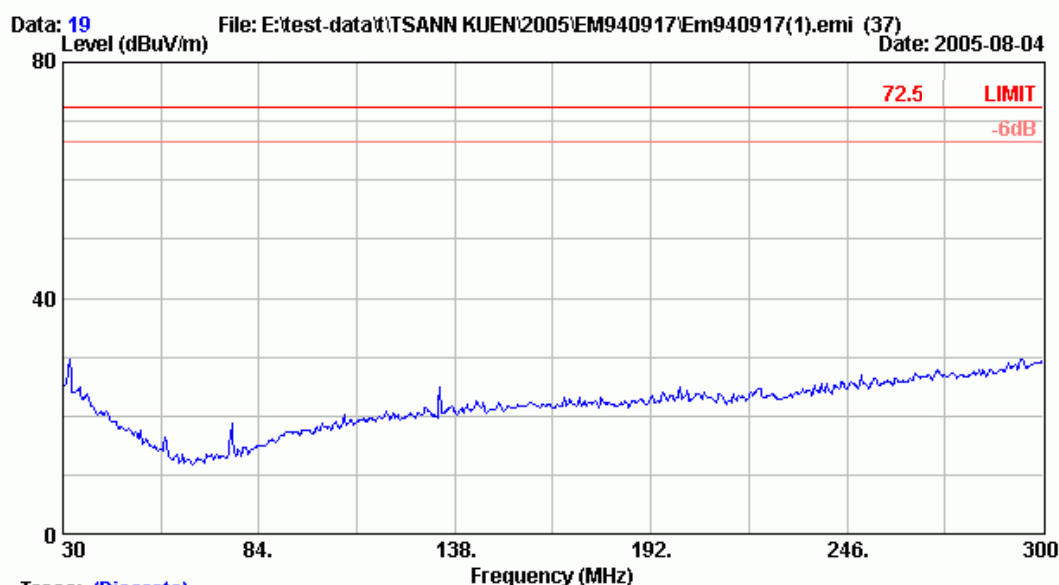


Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 16          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.5 dB $\mu$ 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<br>located in the center of the oven |           |               |

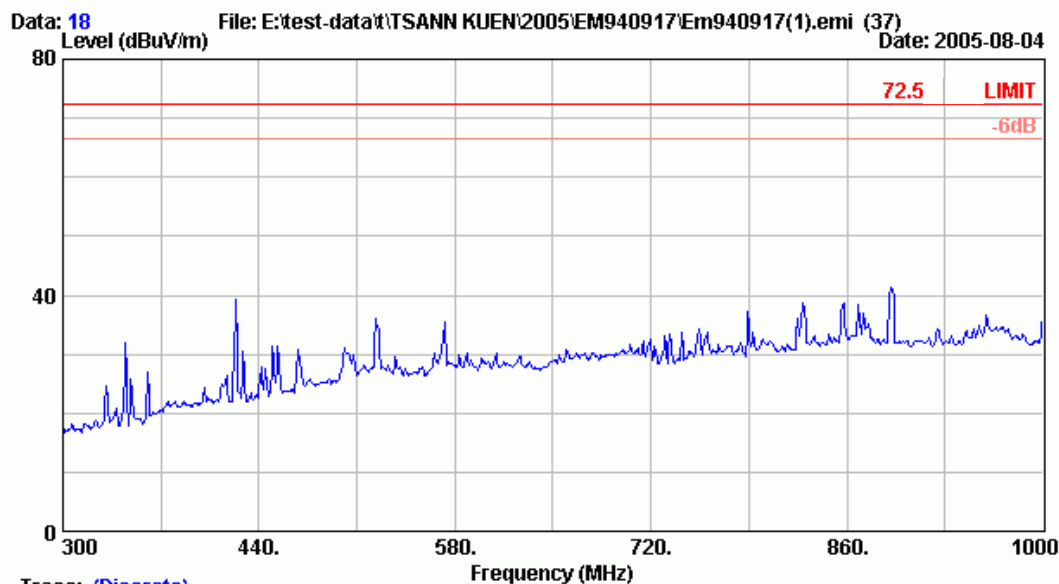


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Trace: (Discrete)

Site no. : A/C Chamber Data no. : 19  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL  
Limit : 72.5D dB  $\mu$  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



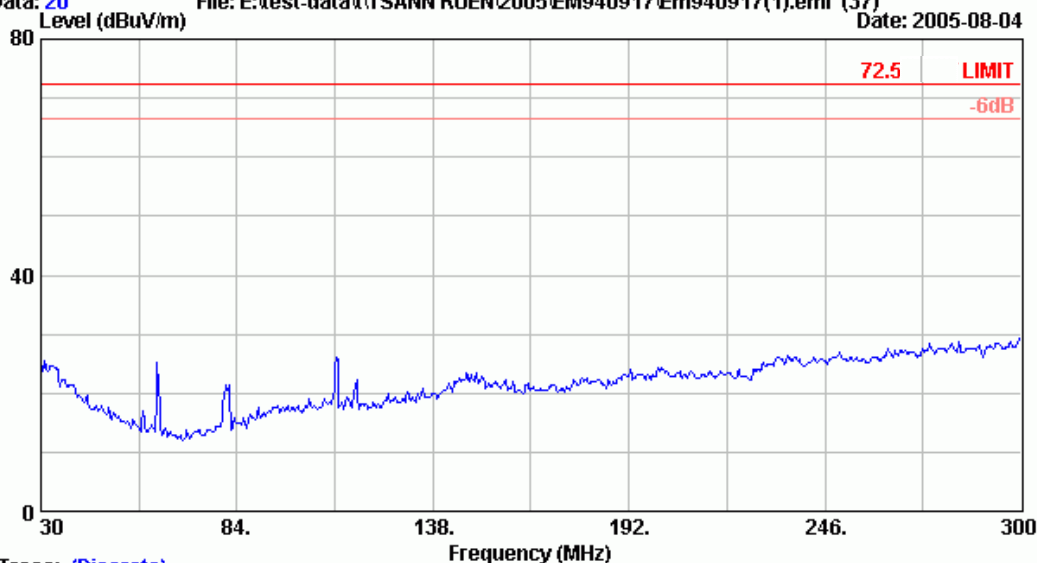
Trace: (Discrete)

Site no. : A/C Chamber Data no. : 18  
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL  
Limit : 72.5 dB  $\mu$  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



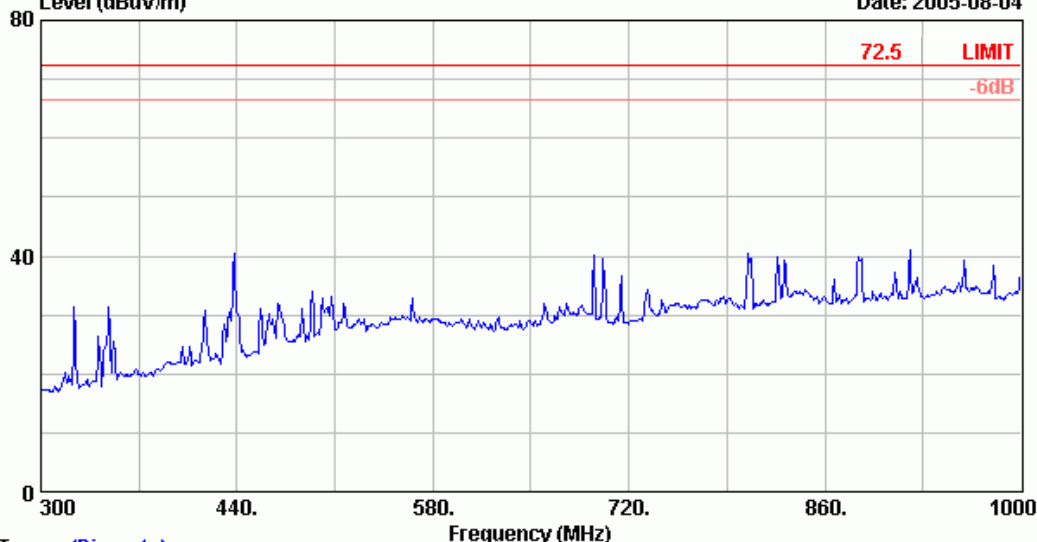
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Data: 20 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 20  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL  
Limit : 72.5 dB $\mu$ 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: 17 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04

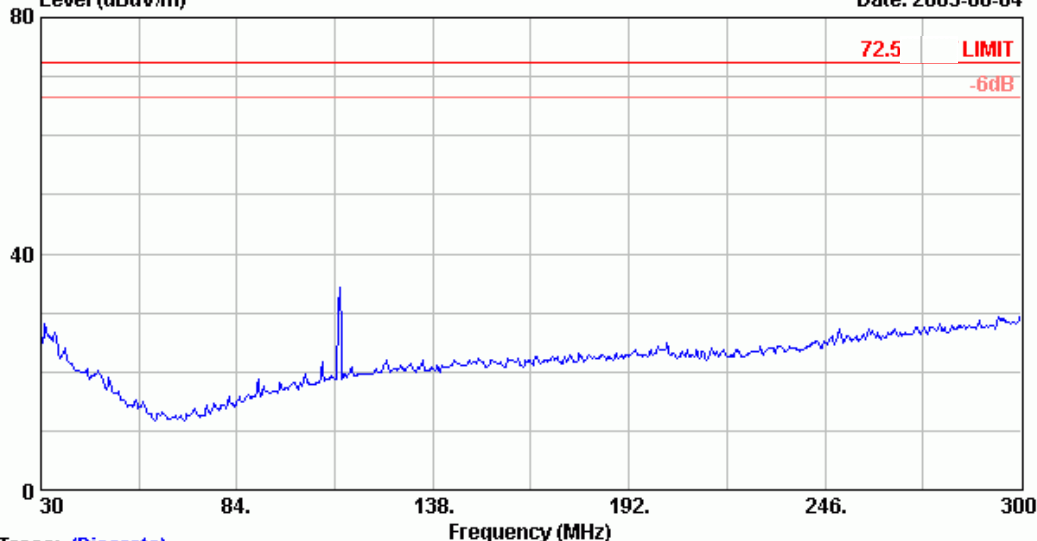


Site no. : A/C Chamber Data no. : 17  
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL  
Limit : 72.5 dB $\mu$ V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Sing  
700 milliliters of waters in the beaker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



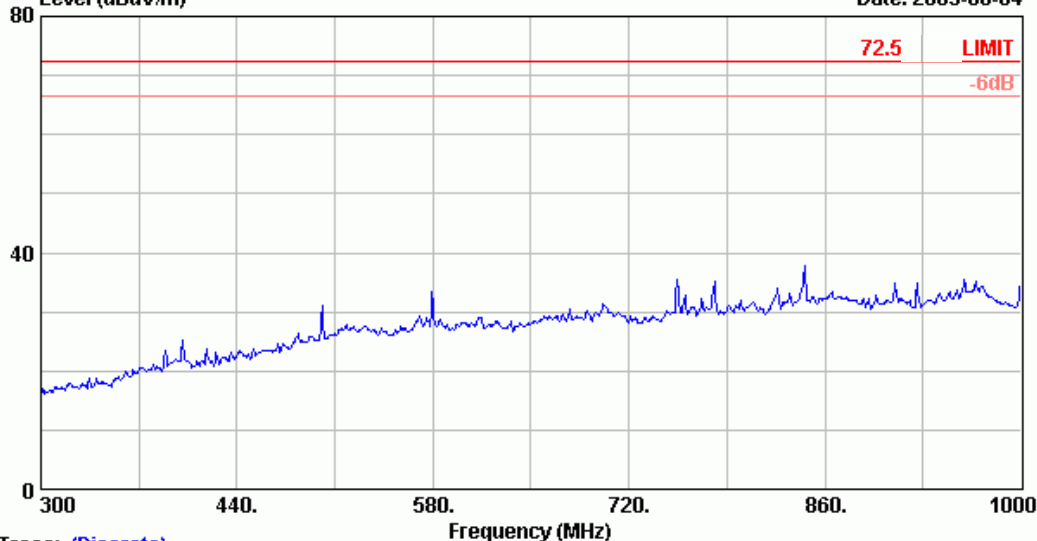
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Data: 22 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 22  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL  
Limit : 72.5 dB  $\mu$  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

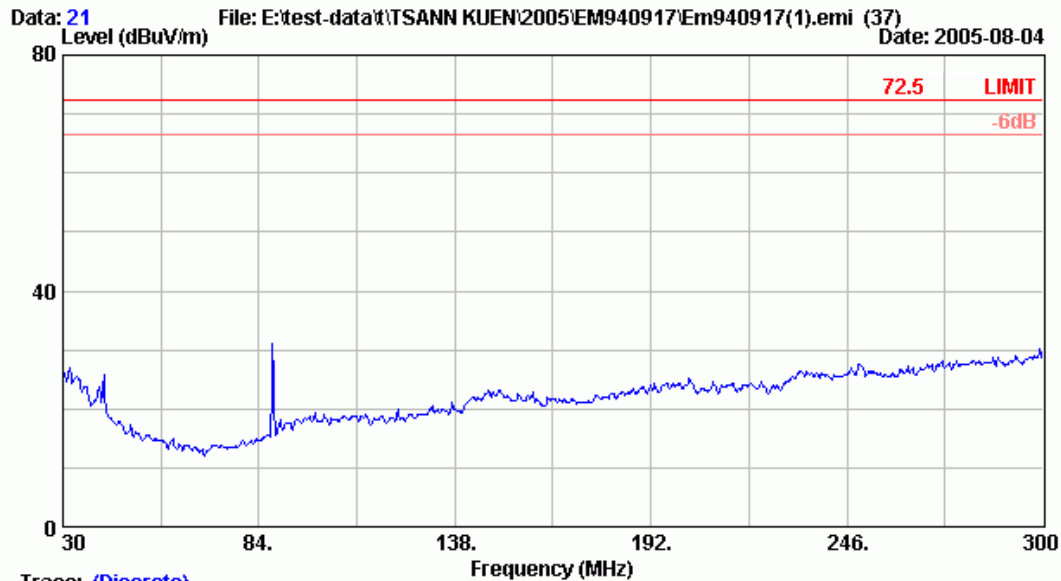
Data: 23 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(1).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 23  
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL  
Limit : 72.5 dB  $\mu$  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

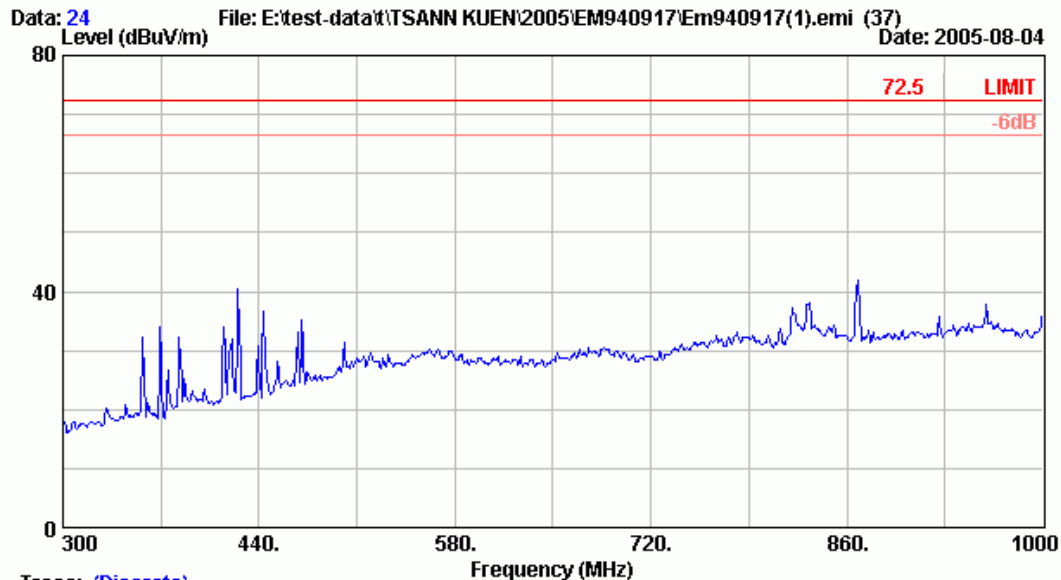


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 21          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : VERTICAL    |
| Limit        | : 72.5 dB $\mu$ 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<br>located in the center of the oven |           |               |



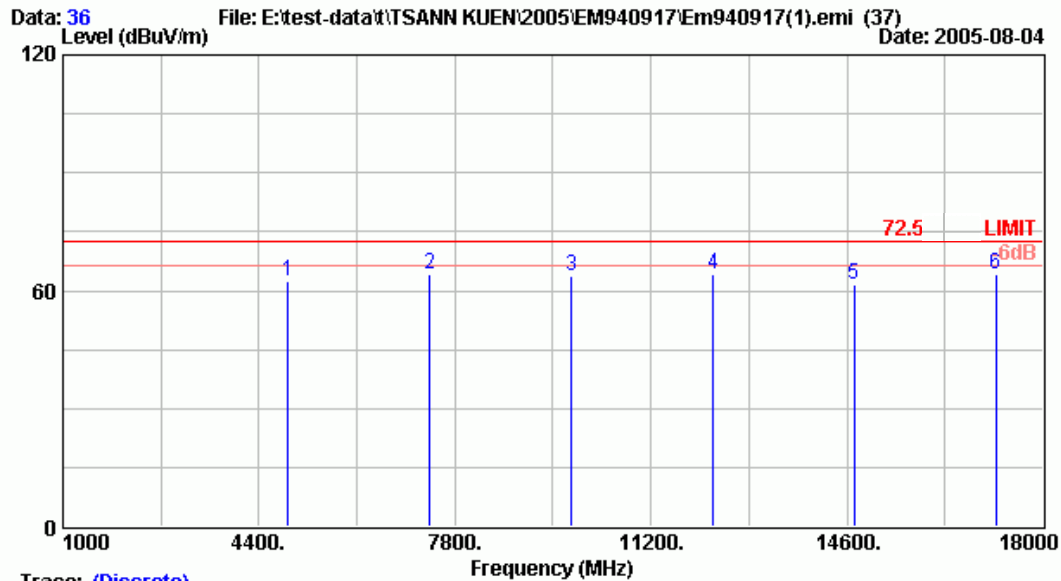
Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 24          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.5 dB $\mu$ 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<br>located in the center of the oven |           |               |





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Trace: (Discrete)

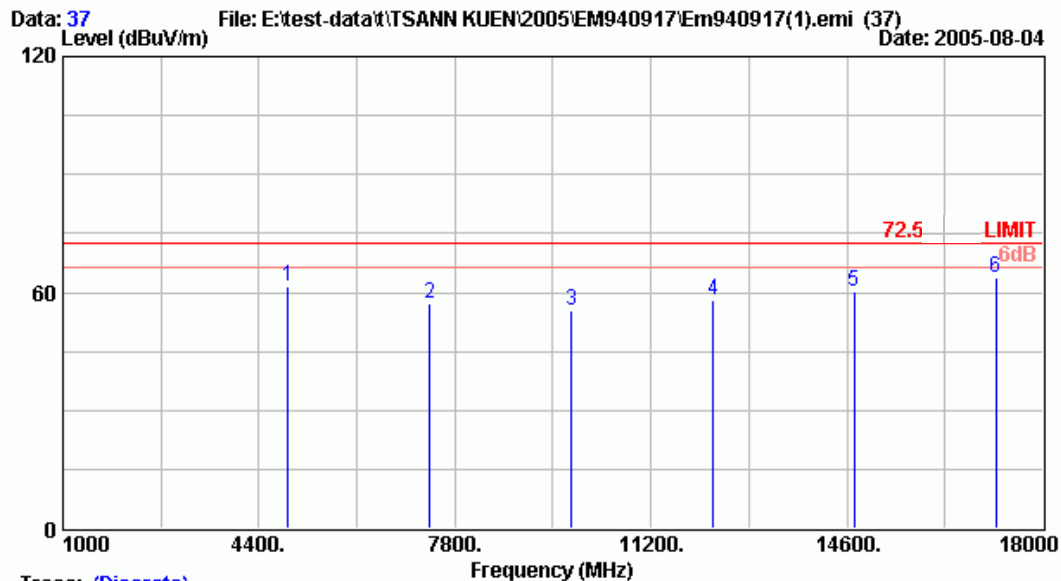
Site no. : A/C Chamber Data no. : 36  
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL  
Limit : 72.5 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
700 milliliters of waters in the beaker  
located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

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(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)

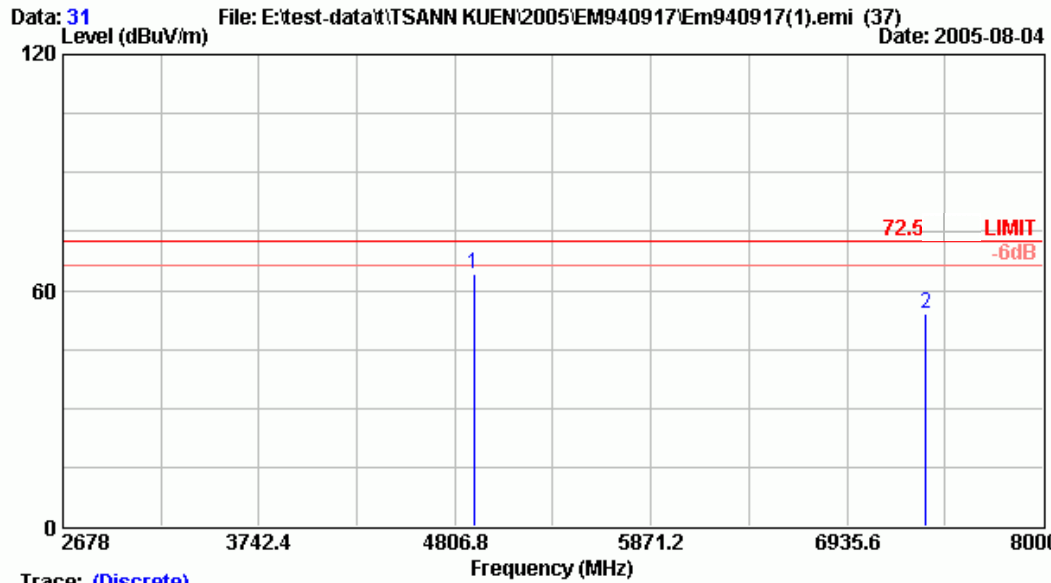
Site no. : A/C Chamber Data no. : 37  
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL  
Limit : 72.5 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
700 milliliters of waters in the beaker  
located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

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(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)

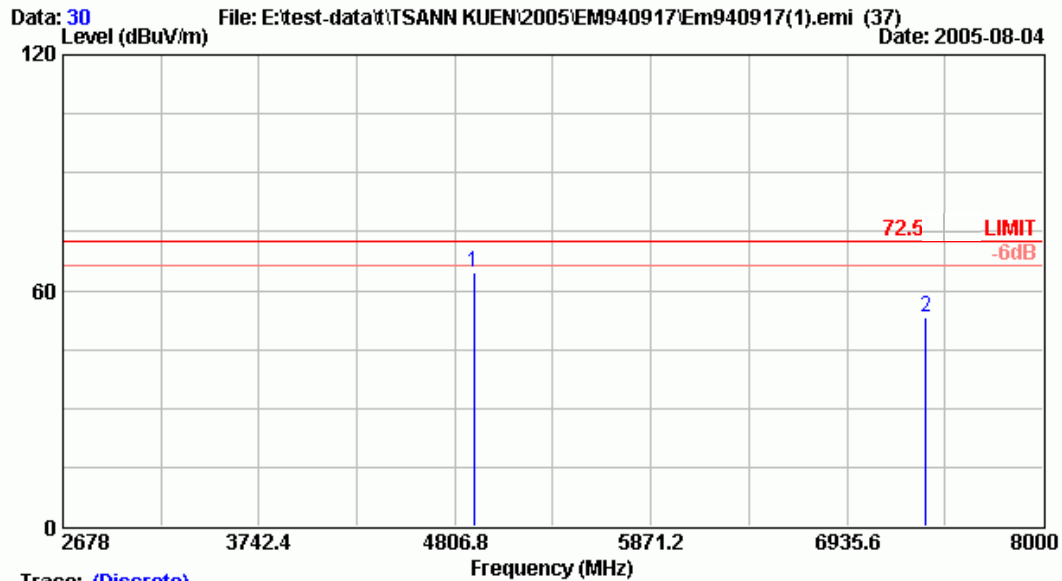
Site no. : A/C Chamber Data no. : 31  
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL  
Limit : 72.5 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
700 milliliters of waters in the beaker  
located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

|            |        | Ant.  | Cable        |                | Emission       |        |         |  |
|------------|--------|-------|--------------|----------------|----------------|--------|---------|--|
| Freq.      | Factor | Loss  | Reading      | Level          | Limits         | Margin | Remark  |  |
| (MHz)      | (dB/m) | (dB)  | (dB $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ 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)

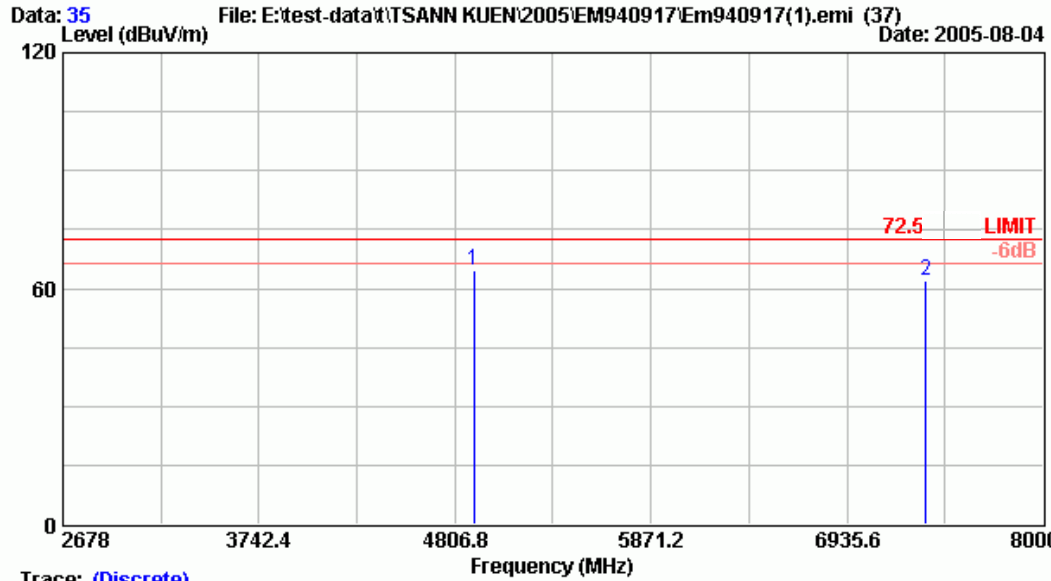
Site no. : A/C Chamber Data no. : 30  
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL  
Limit : 72.5 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
700 milliliters of waters in the beaker  
located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

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission |  | Limits<br>(dB $\mu$ V/m) | Margin<br>(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)

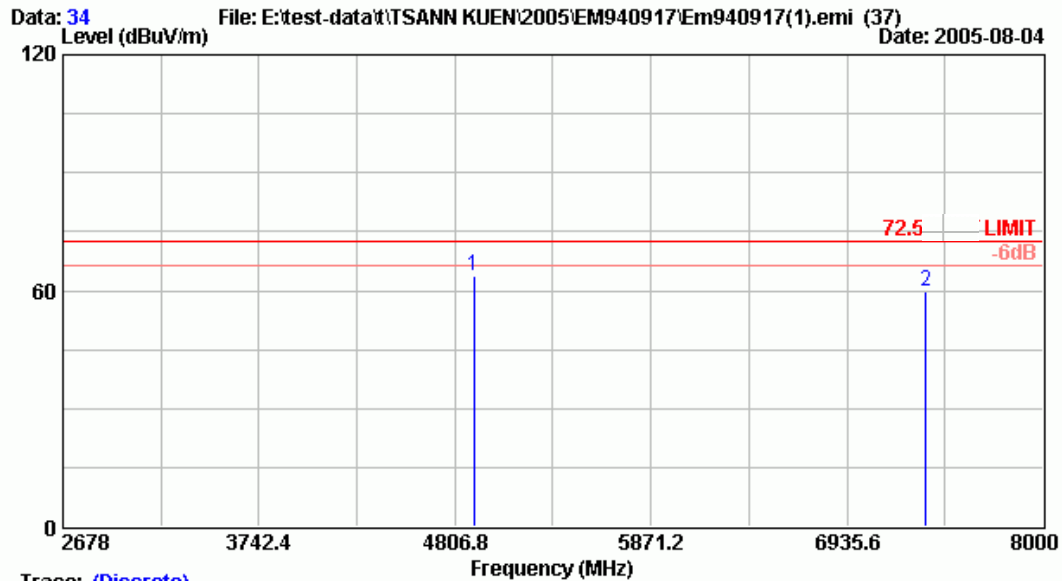
Site no. : A/C Chamber Data no. : 35  
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL  
Limit : 72.5 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
300 milliliters of waters in the beaker  
located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

|            |        | Ant.  | Cable        |                | Emission       |        |         |  |
|------------|--------|-------|--------------|----------------|----------------|--------|---------|--|
| Freq.      | Factor | Loss  | Reading      | Level          | Limits         | Margin | Remark  |  |
| (MHz)      | (dB/m) | (dB)  | (dB $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ 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 $\mu$ 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                            |           |               |

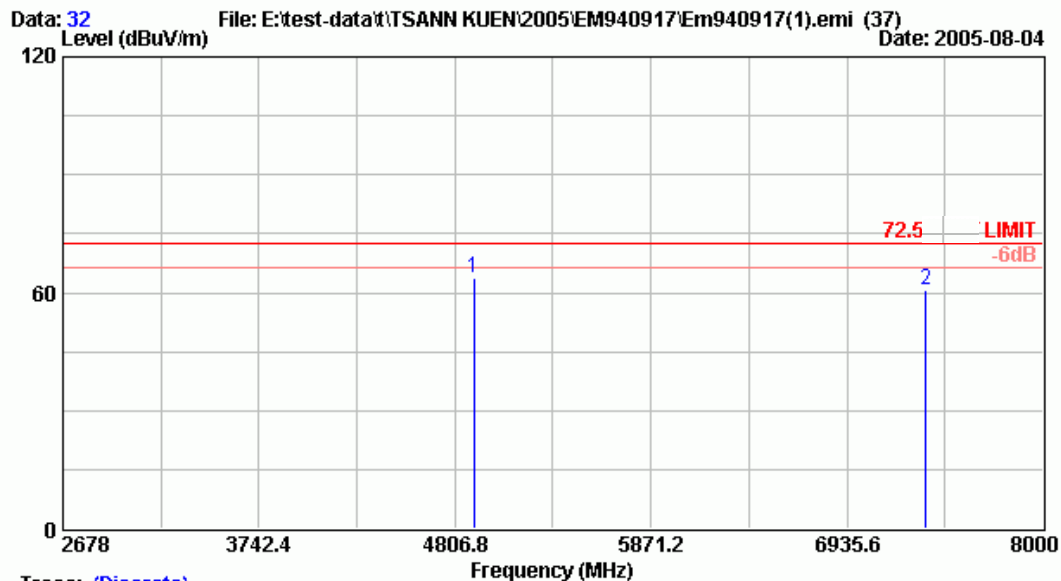
300 milliliters of waters in the beaker  
located in the center of the oven

| Freq.<br>(MHz) | Ant. Cable       |              | Emission                |                         | Limits<br>(dB $\mu$ V/m) | Margin<br>(dB) | Remark  |
|----------------|------------------|--------------|-------------------------|-------------------------|--------------------------|----------------|---------|
|                | Factor<br>(dB/m) | Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Level<br>(dB $\mu$ V/m) |                          |                |         |
| 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)

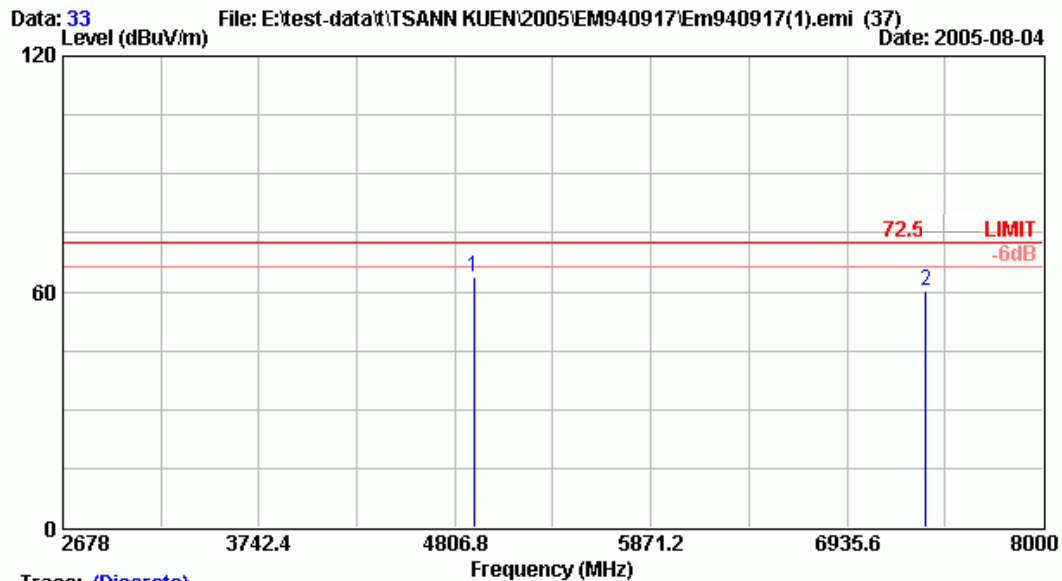
Site no. : A/C Chamber Data no. : 32  
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL  
 Limit : 72.5 dB  $\mu$  V/m  
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
 EUT : Microwave Oven M/N:TSK-8402EMM  
 Power Rating : 120Vac/60Hz  
 Test Mode : Max  
 300 milliliters of waters in the beaker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

|            |        | Ant.  | Cable        |                | Emission       |        |         |  |
|------------|--------|-------|--------------|----------------|----------------|--------|---------|--|
| Freq.      | Factor | Loss  | Reading      | Level          | Limits         | Margin | Remark  |  |
| (MHz)      | (dB/m) | (dB)  | (dB $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ 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  $\mu$  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.<br>(MHz) | Ant. Cable       |              | Emission                |                         | Limits<br>(dB $\mu$ V/m) | Margin<br>(dB) | Remark  |
|----------------|------------------|--------------|-------------------------|-------------------------|--------------------------|----------------|---------|
|                | Factor<br>(dB/m) | Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Level<br>(dB $\mu$ 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%

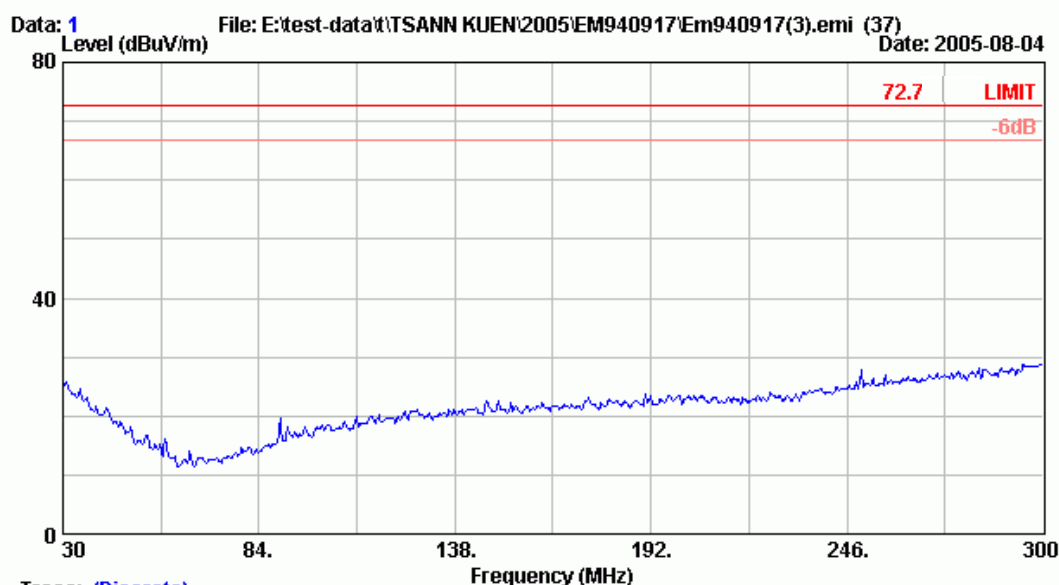
Test Date : Aug. 10, 2005    Temperature : 20°C    Humidity : 69%

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

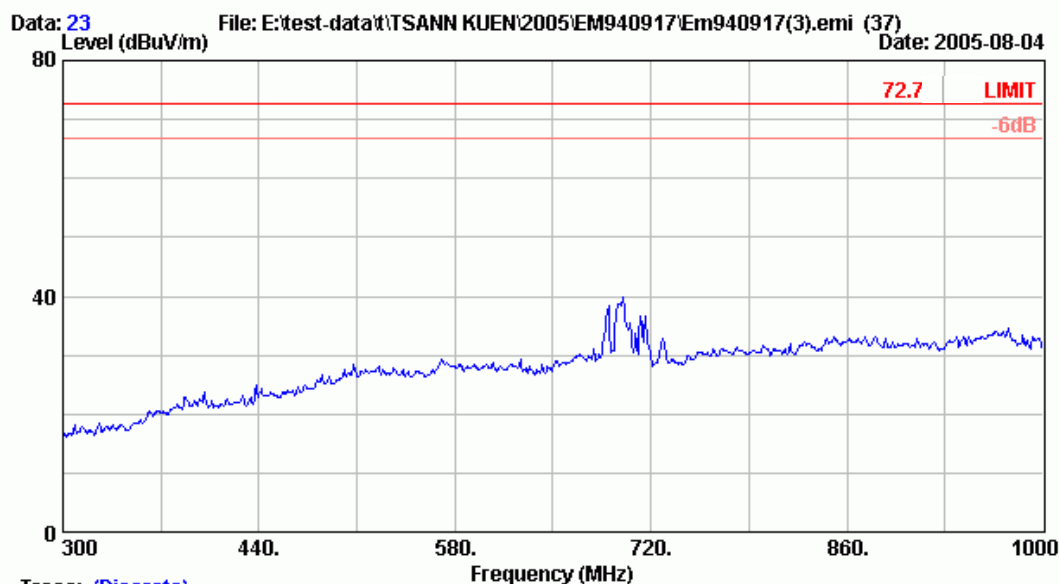
| NO. | Frequency range                                   | Test Mode                                              | Reference Test Data No. |            |
|-----|---------------------------------------------------|--------------------------------------------------------|-------------------------|------------|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



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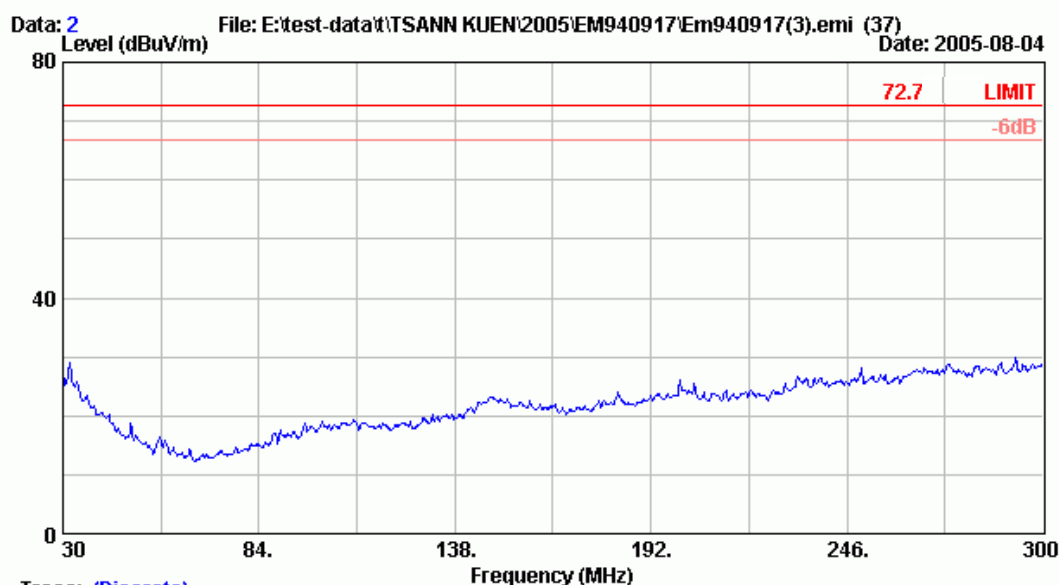
Site no. : A/C Chamber Data no. : 1  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Popcorn  
700 milliliters of waters in the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

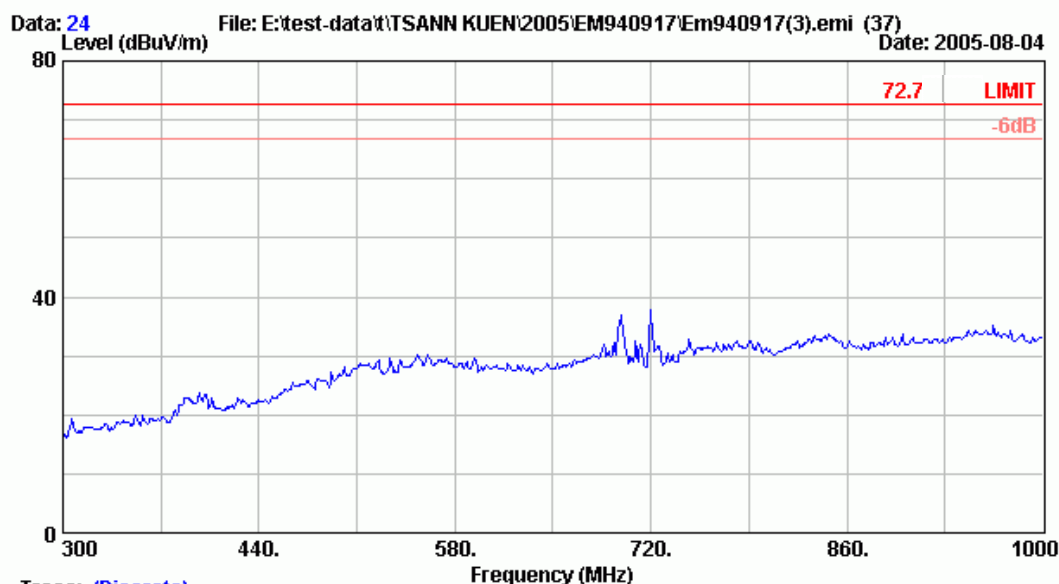


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 2           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

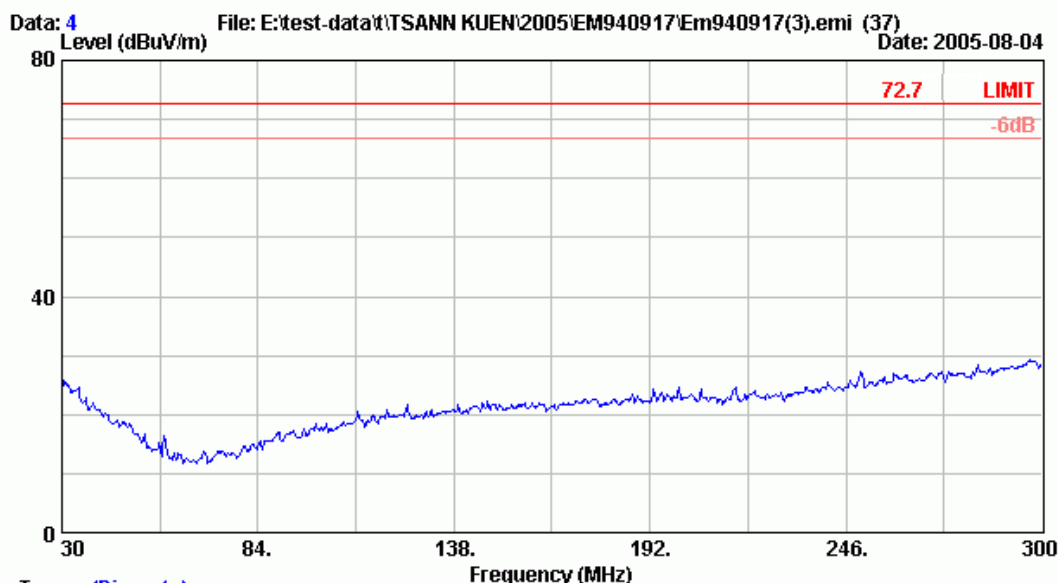


Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 24          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

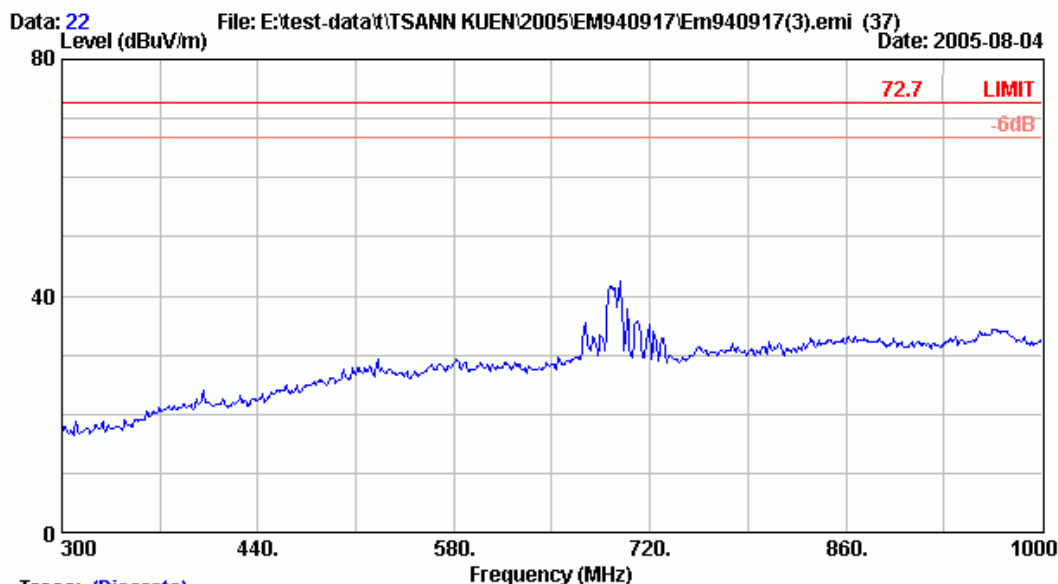


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Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                           | Data no.  | : 4           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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       |           |               |

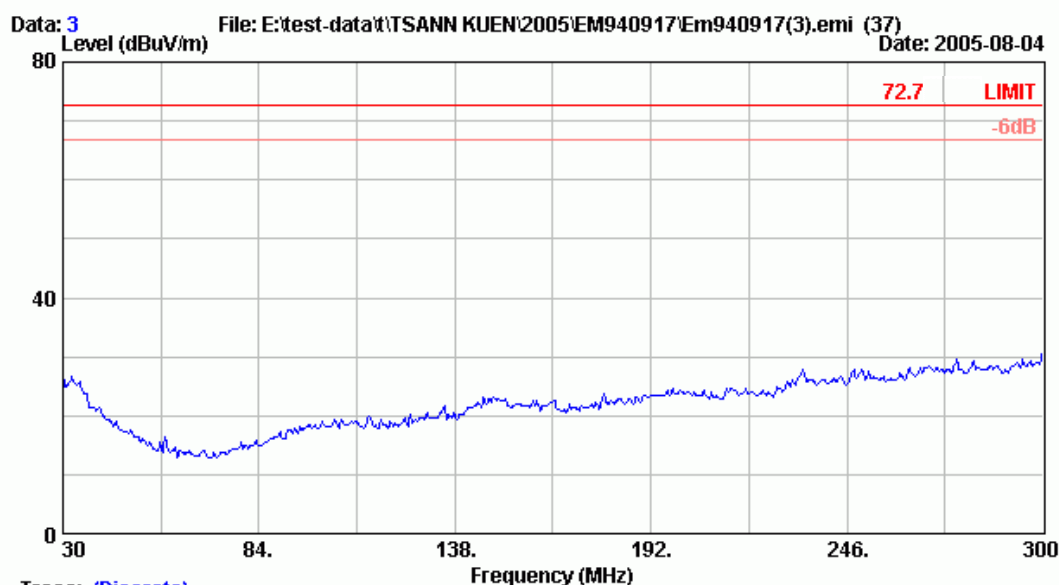


Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                           | Data no.  | : 22          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                  | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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       |           |               |

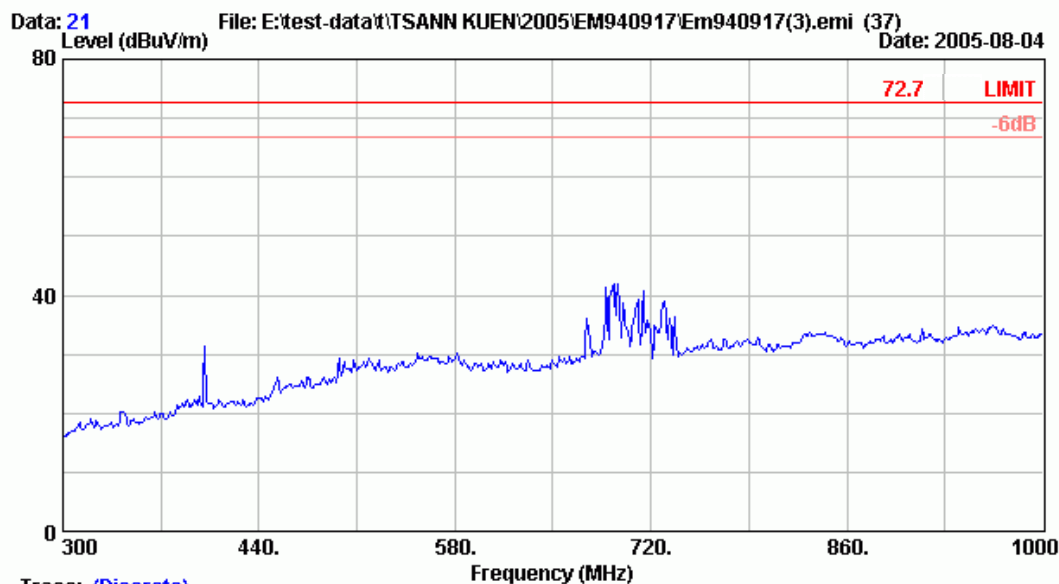


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 3           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

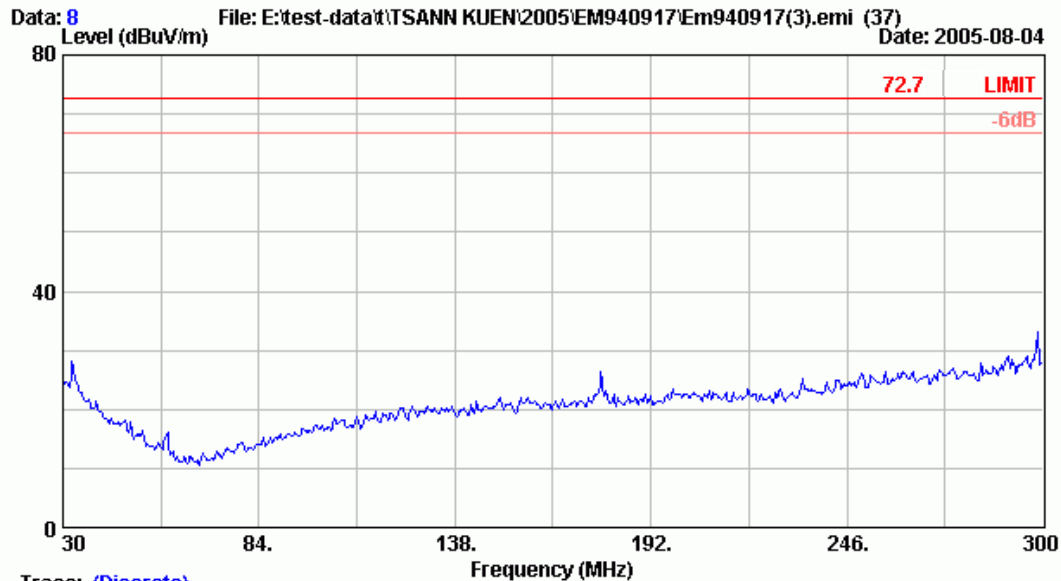


Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 21          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

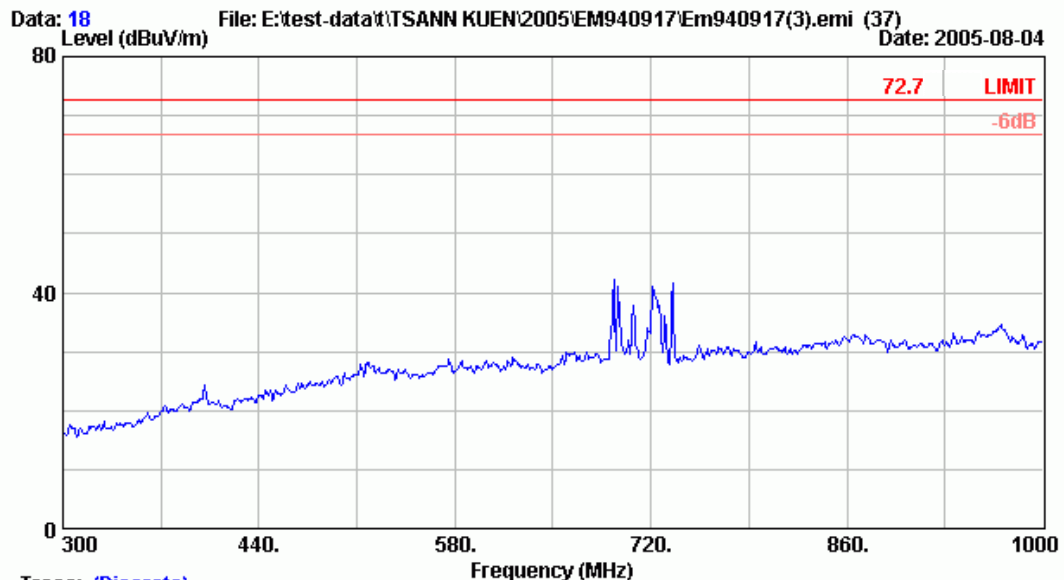


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 8           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

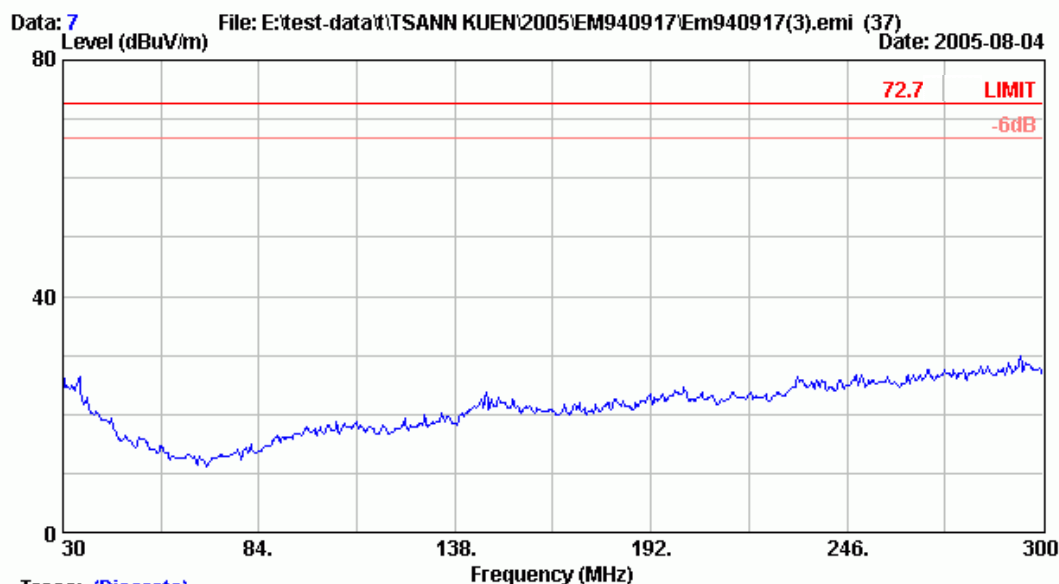


Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 18          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

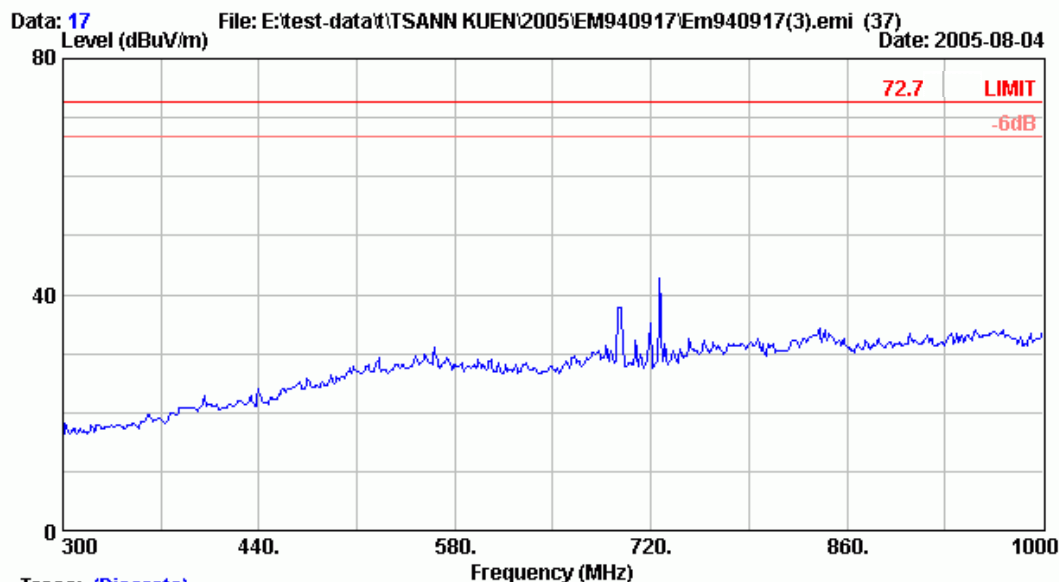


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Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                           | Data no.  | : 7           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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       |           |               |

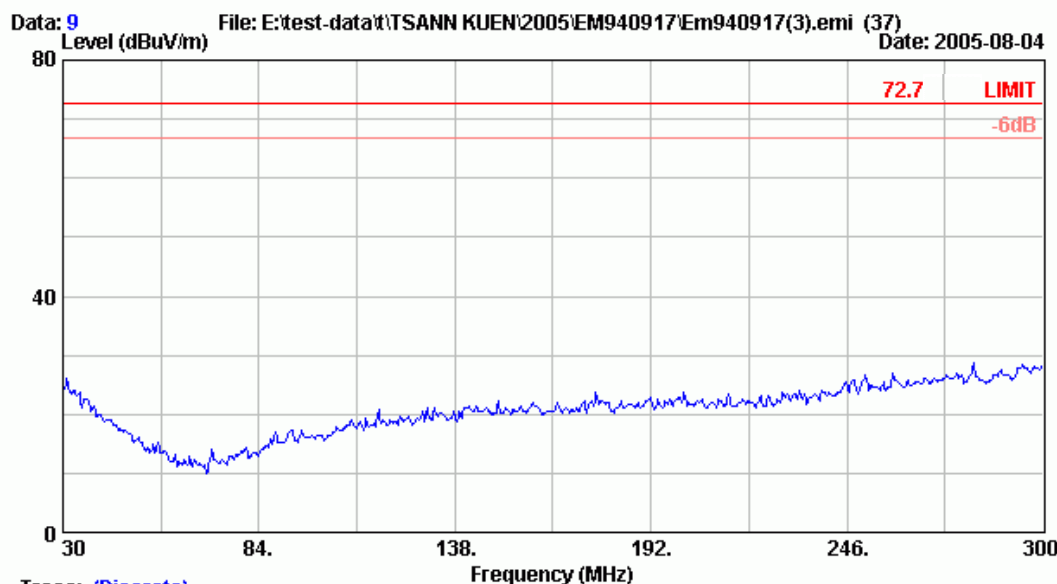


Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                           | Data no.  | : 17          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                  | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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       |           |               |

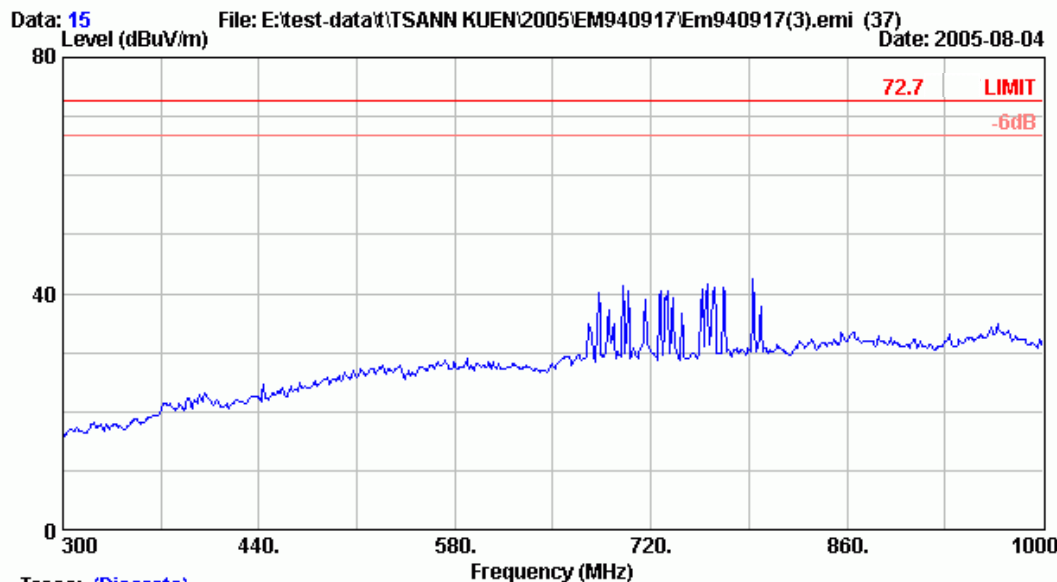


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 9           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |



Trace: (Discrete)

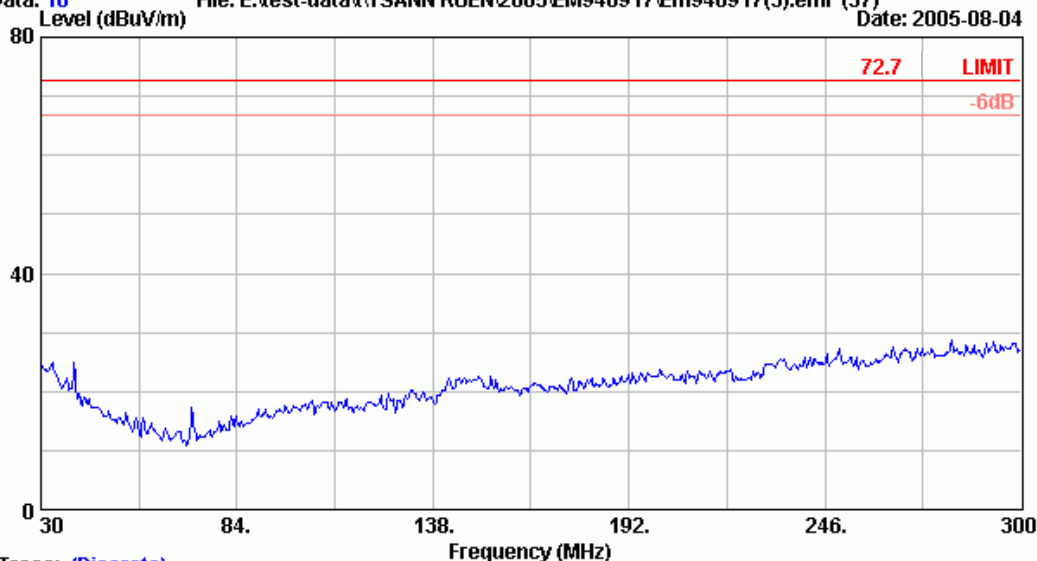
|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 15          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |





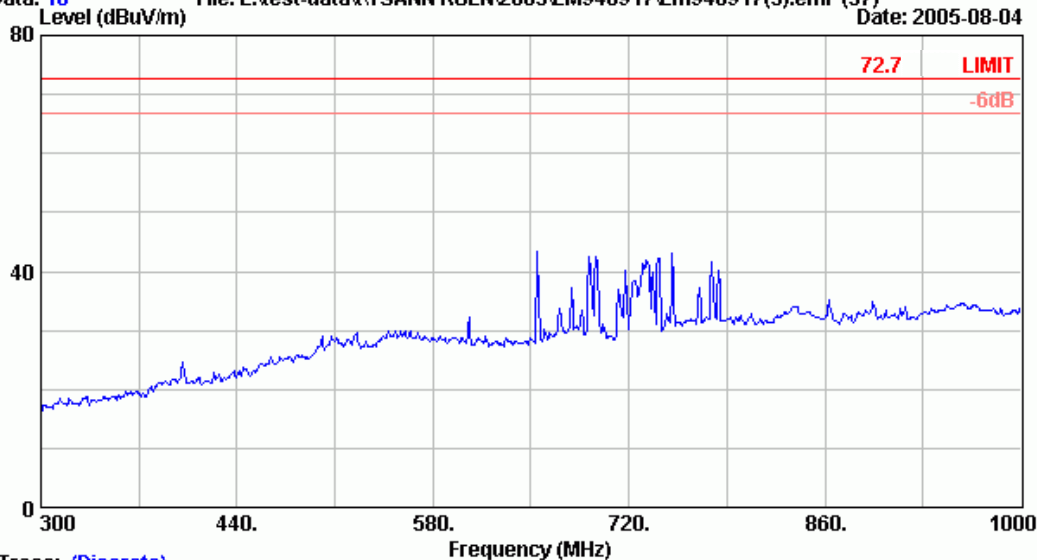
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Data: 10 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 10  
 Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL  
 Limit : 72.7 dB  $\mu$  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

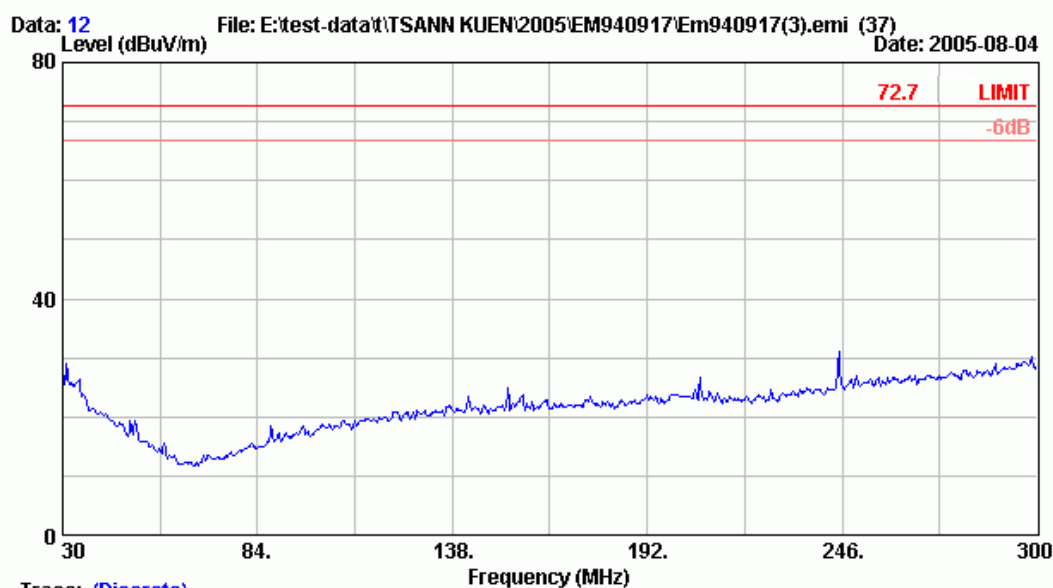
Data: 16 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 16  
 Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL  
 Limit : 72.7 dB  $\mu$  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

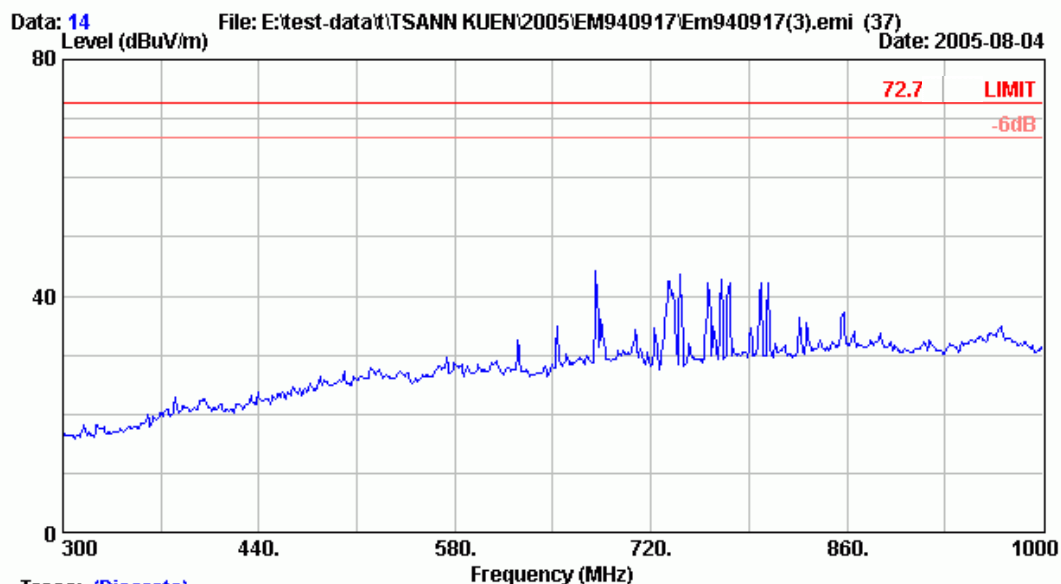


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 12          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

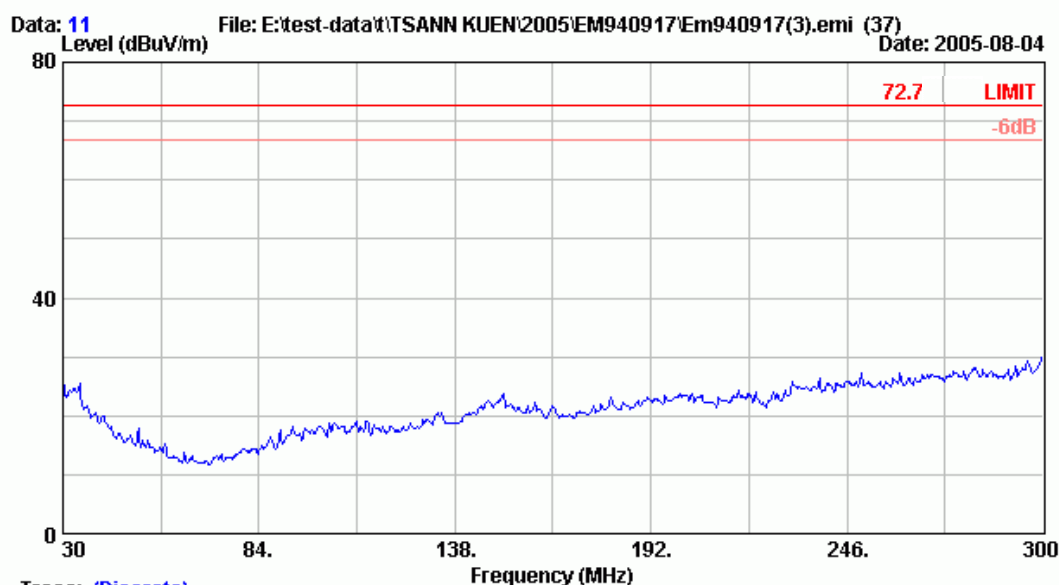


Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 14          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

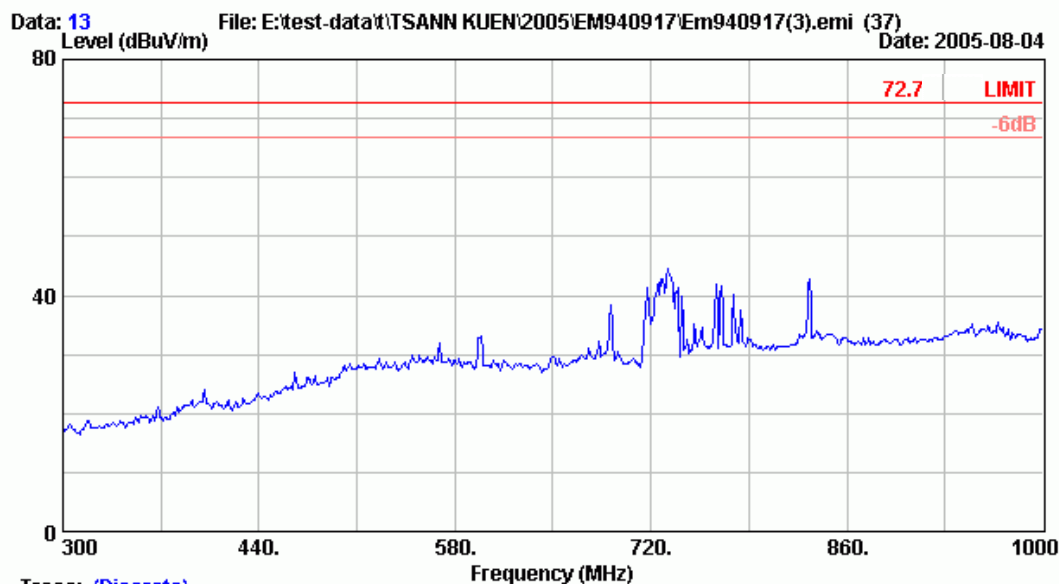


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 11          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

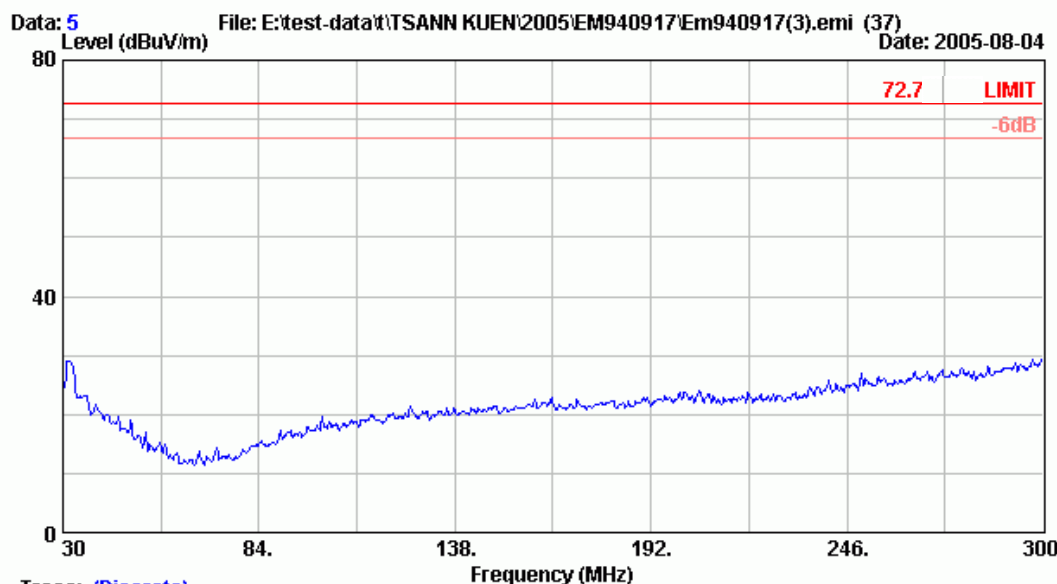


Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 13          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

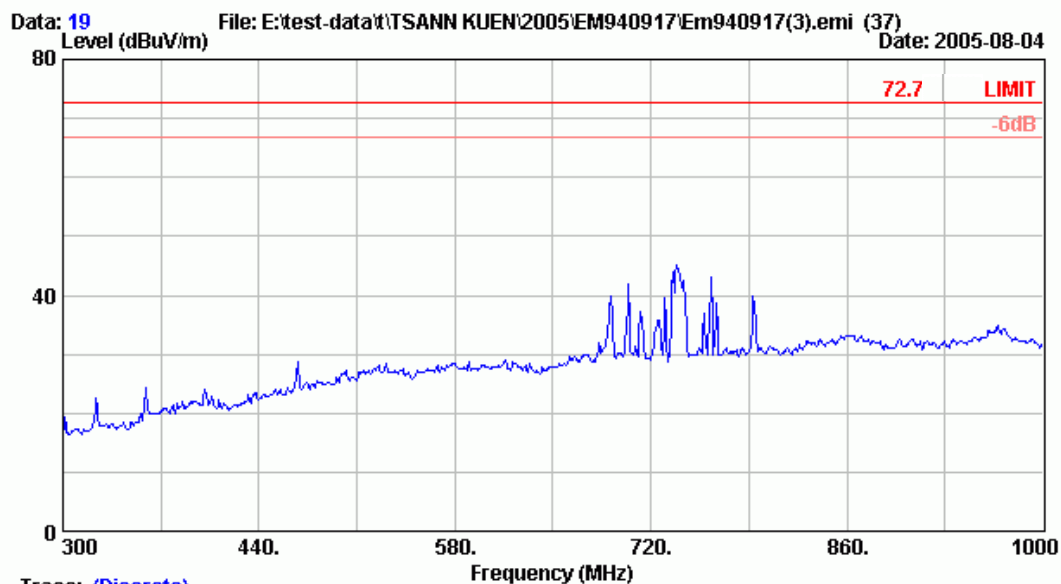


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Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                           | Data no.  | : 5           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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       |           |               |

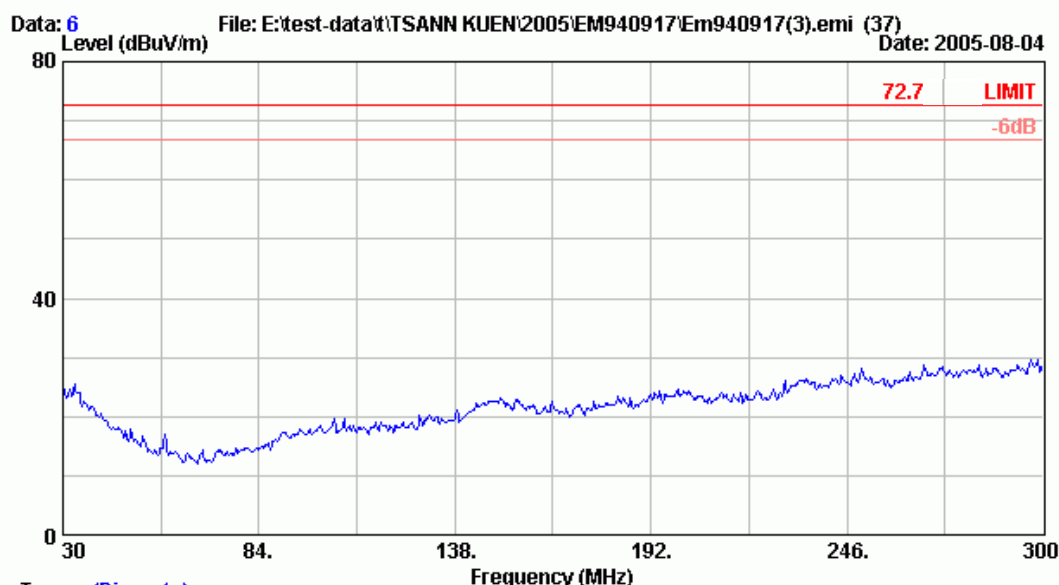


Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                           | Data no.  | : 19          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                  | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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       |           |               |

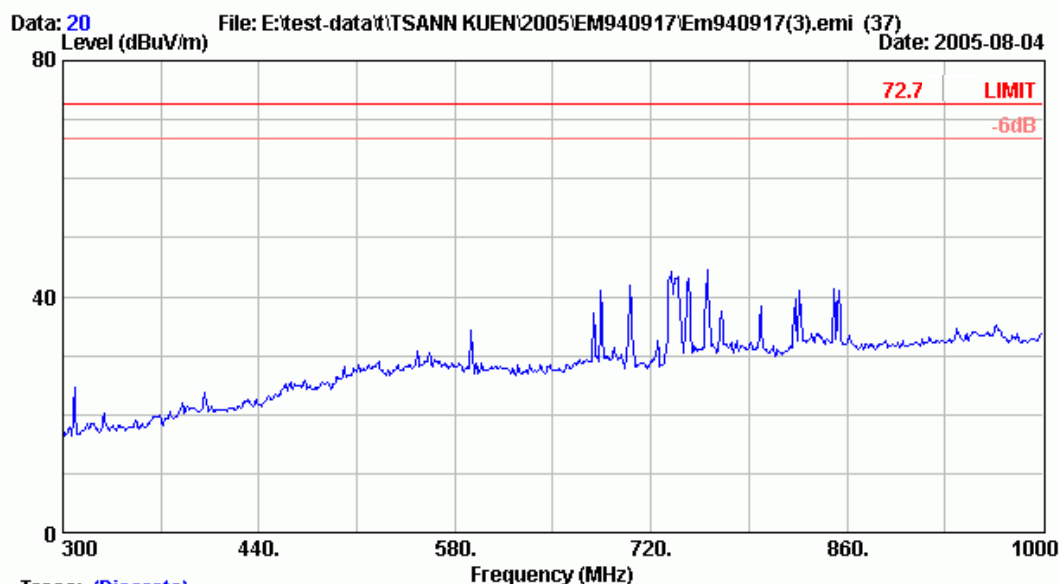


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 6           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

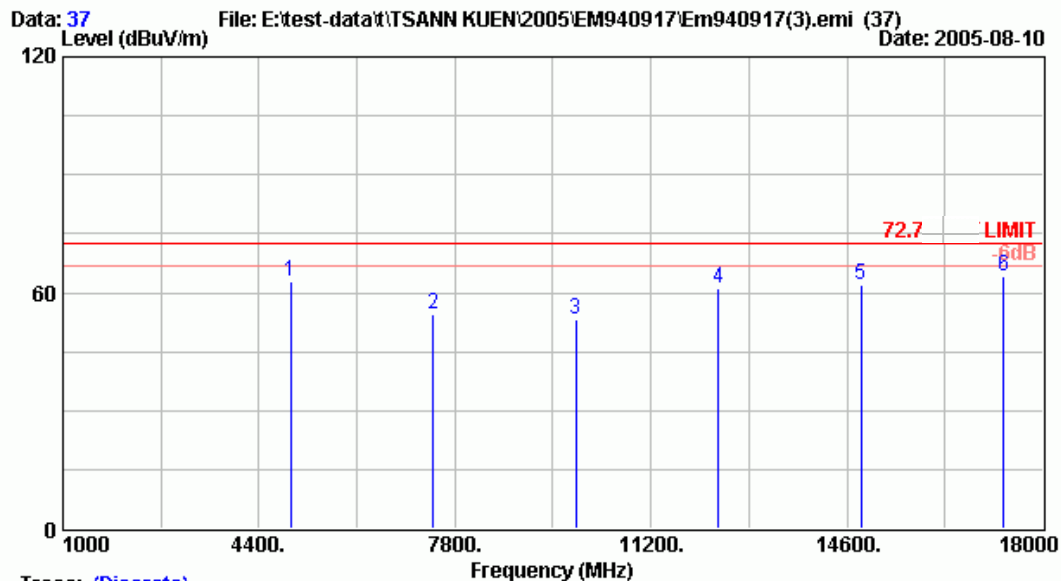


Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 20          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |



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Trace: (Discrete)

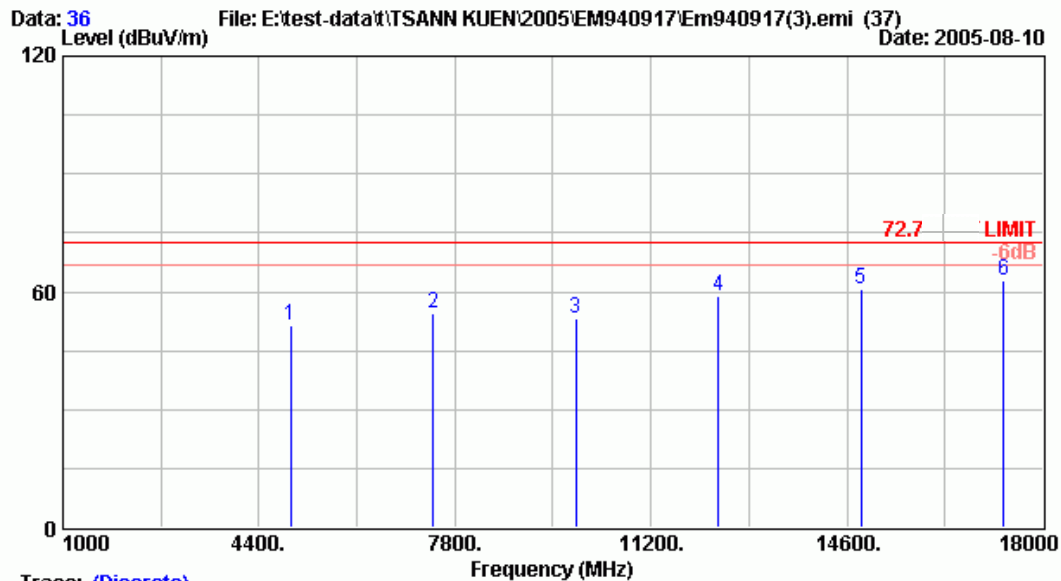
Site no. : A/C Chamber Data no. : 37  
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
700 milliliters of waters in the beaker  
located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

|             |        | Ant.  | Cable        |                | Emission       |        |         |  |
|-------------|--------|-------|--------------|----------------|----------------|--------|---------|--|
| Freq.       | Factor | Loss  | Reading      | Level          | Limits         | Margin | Remark  |  |
| (MHz)       | (dB/m) | (dB)  | (dB $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ 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)

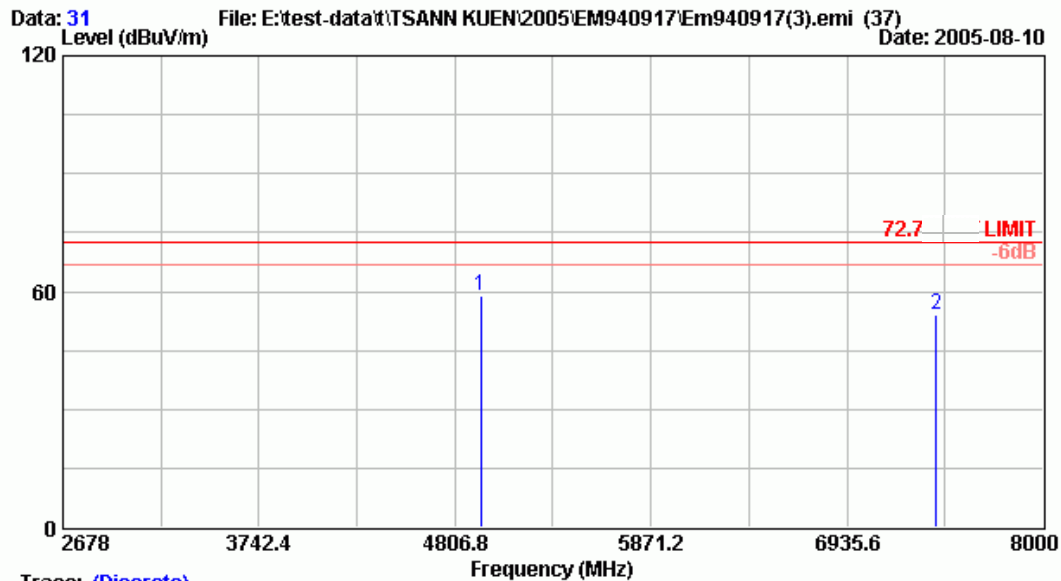
Site no. : A/C Chamber Data no. : 36  
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL  
 Limit : 72.7 dB  $\mu$  V/m  
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
 EUT : Microwave Oven M/N:TSK-8402EMM  
 Power Rating : 120Vac/60Hz  
 Test Mode : Max  
 700 milliliters of waters in the beaker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

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(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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Trace: (Discrete)

Site no. : A/C Chamber Data no. : 31  
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  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

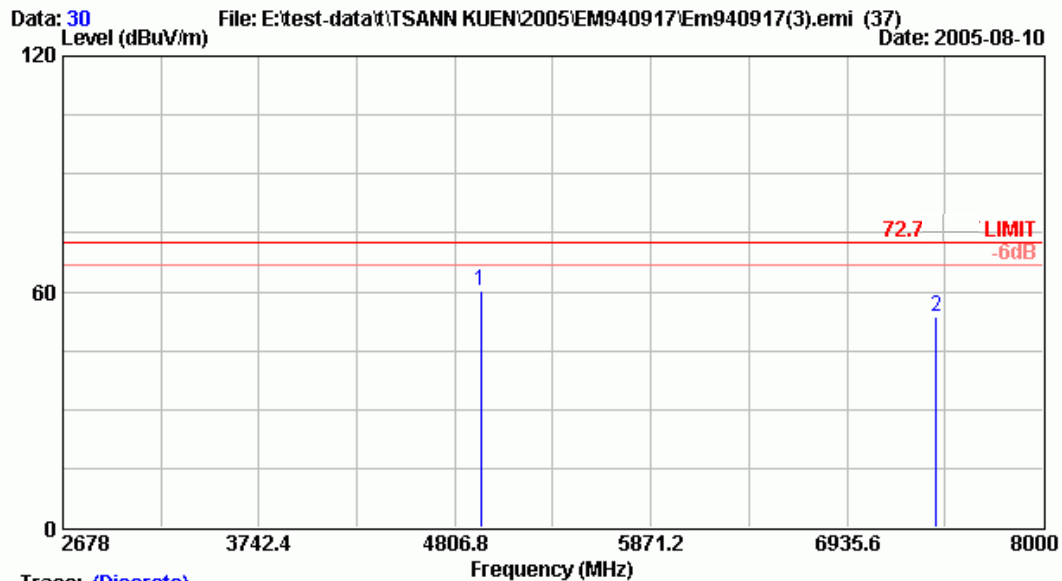
|            |        | Ant.  | Cable        |                | Emission       |        |         |  |
|------------|--------|-------|--------------|----------------|----------------|--------|---------|--|
| Freq.      | Factor | Loss  | Reading      | Level          | Limits         | Margin | Remark  |  |
| (MHz)      | (dB/m) | (dB)  | (dB $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ 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)

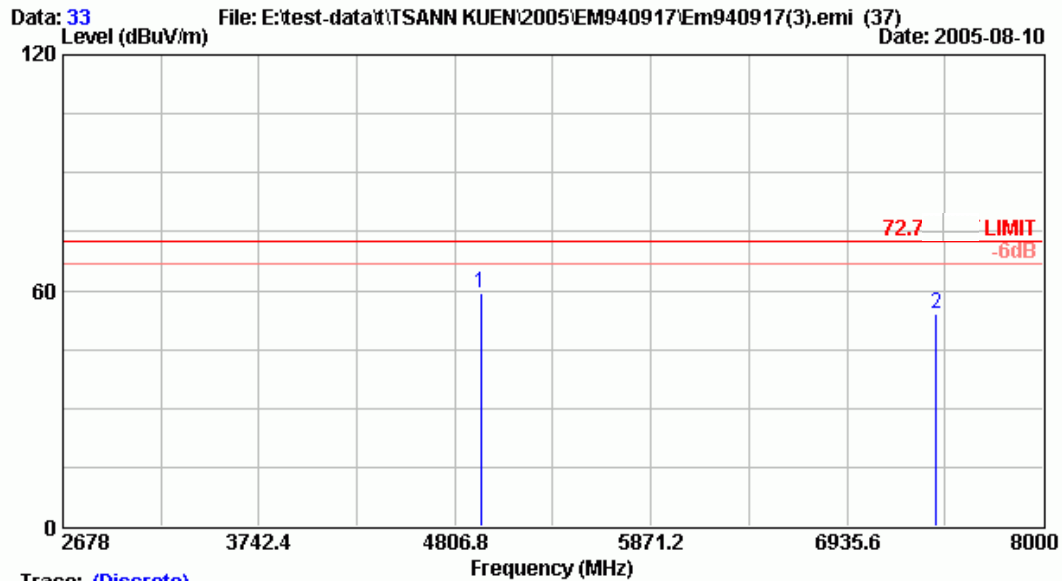
Site no. : A/C Chamber Data no. : 30  
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL  
 Limit : 72.7 dB  $\mu$  V/m  
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
 EUT : Microwave Oven M/N:TSK-8402EMM  
 Power Rating : 120Vac/60Hz  
 Test Mode : Max  
 700 milliliters of waters in the beaker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

|            |        | Ant.  | Cable        |                | Emission       |        |         |  |
|------------|--------|-------|--------------|----------------|----------------|--------|---------|--|
| Freq.      | Factor | Loss  | Reading      | Level          | Limits         | Margin | Remark  |  |
| (MHz)      | (dB/m) | (dB)  | (dB $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ 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 $\mu$ 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                            |           |               |

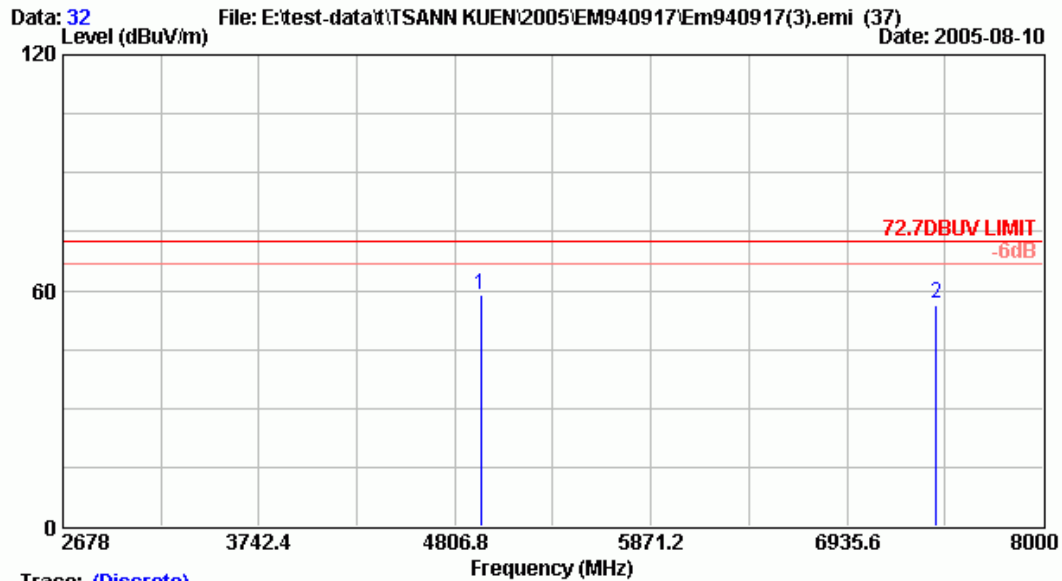
300 milliliters of waters in the beaker  
located in the center of the oven

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission |  | Limits<br>(dB $\mu$ V/m) | Margin<br>(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)

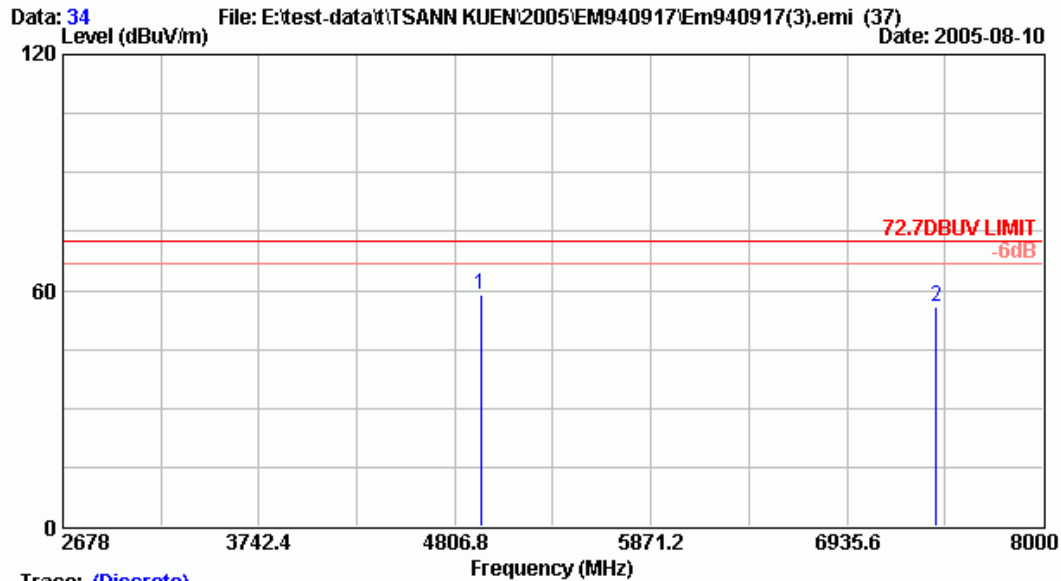
Site no. : A/C Chamber Data no. : 32  
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
300 milliliters of waters in the beaker  
located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

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission |  | Limits<br>(dB $\mu$ V/m) | Margin<br>(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)

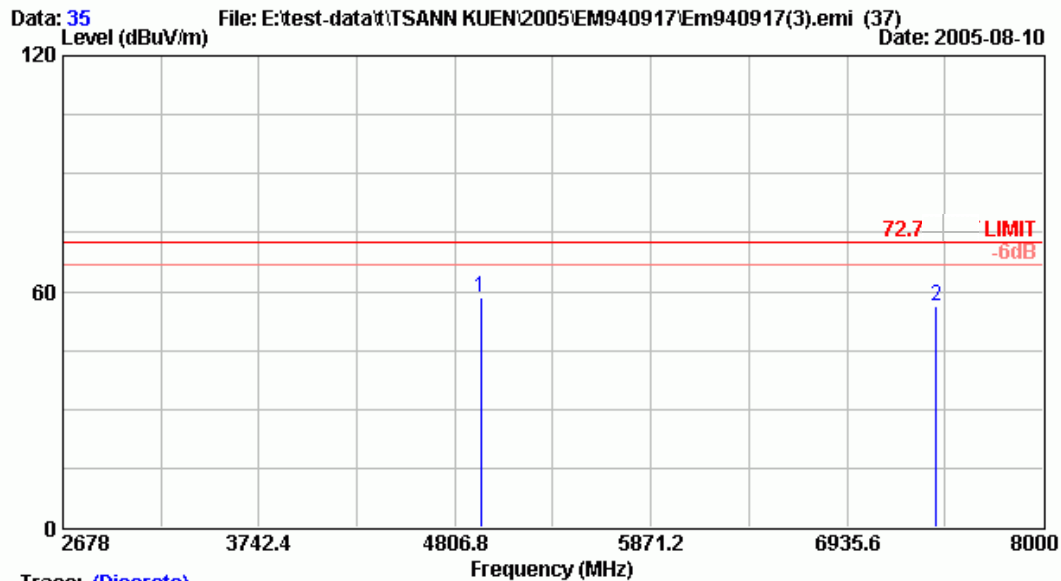
Site no. : A/C Chamber Data no. : 34  
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
300 milliliters of waters in the beaker  
located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

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(dB) | Remark  |
|----------------|--------------------------|-----------------------|-------------------------|-------------------------------------|--------------------------|----------------|---------|
| 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  $\mu$  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 $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ 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.

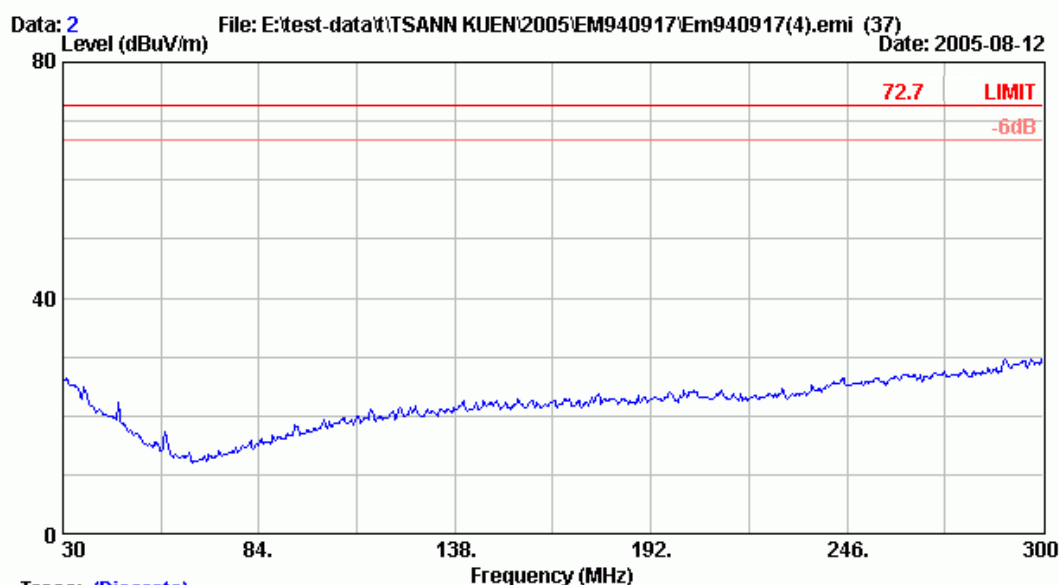
Test Date : Aug. 12, 2005    Temperature : 20°C    Humidity : 69%

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<br>(30MHz-1GHz)                        | Load: 700ml,<br>Beaker Location: Center (Popcorn)      | # 2, # 23               | # 1, # 24  |
| 2.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Beverage)     | # 3, # 22               | # 4, # 21  |
| 3.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Soup)         | # 7, # 18               | # 8, # 17  |
| 4.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Cass)         | # 10, # 15              | # 9, # 16  |
| 5.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Sing)         | # 11, # 14              | # 12, # 13 |
| 6.  |                                                   | Load: 700ml,<br>Beaker Location: Center (Auto Defrost) | # 6, # 19               | # 5, # 20  |
| 7.  | Above 1GHz<br>(1GHz-25GHz)                        | Load: 700ml,<br>Beaker Location: Center                | # 37                    | # 36       |
| 8.  | Above 1GHz.<br>(At second and<br>third harmonics) | Load: 700ml,<br>Beaker Location: Right Front Corner    | # 31                    | # 30       |
| 9.  |                                                   | Load: 300ml,<br>Beaker Location: Center                | # 35                    | # 34       |
| 10. |                                                   | Load: 300ml,<br>Beaker Location: Right Front Corner    | # 32                    | # 33       |

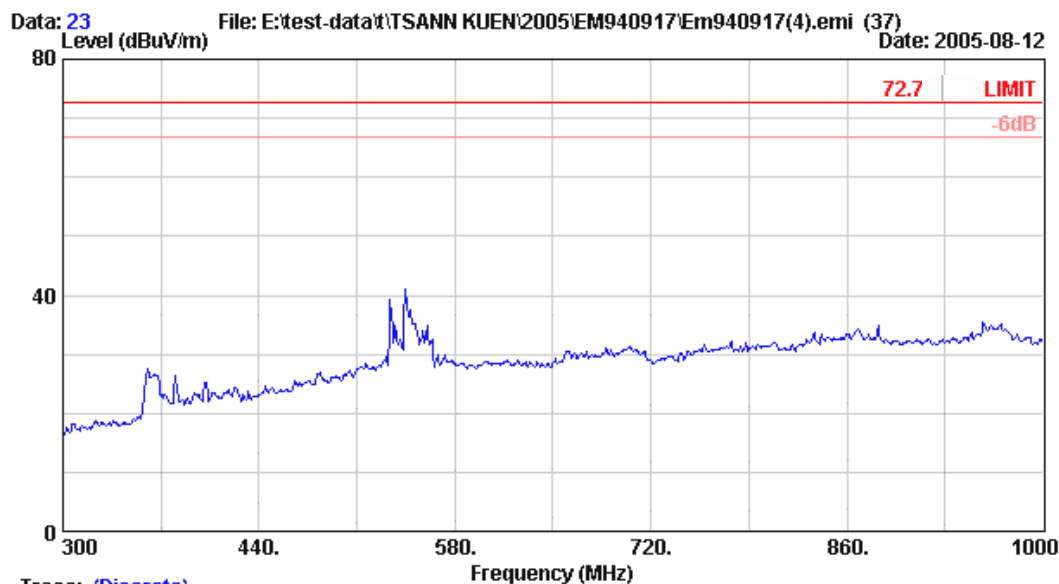


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 2           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

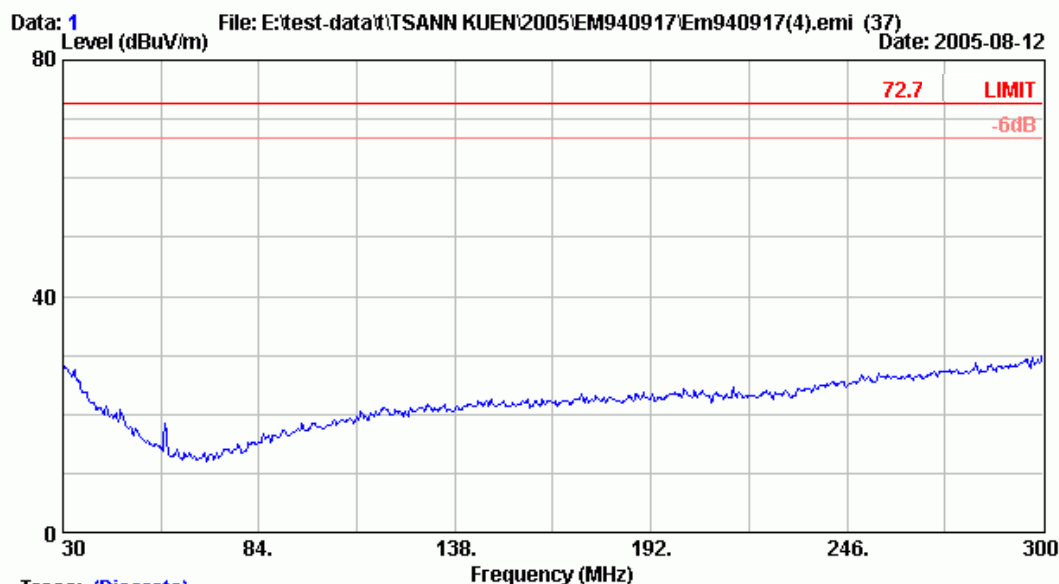


Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 23          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

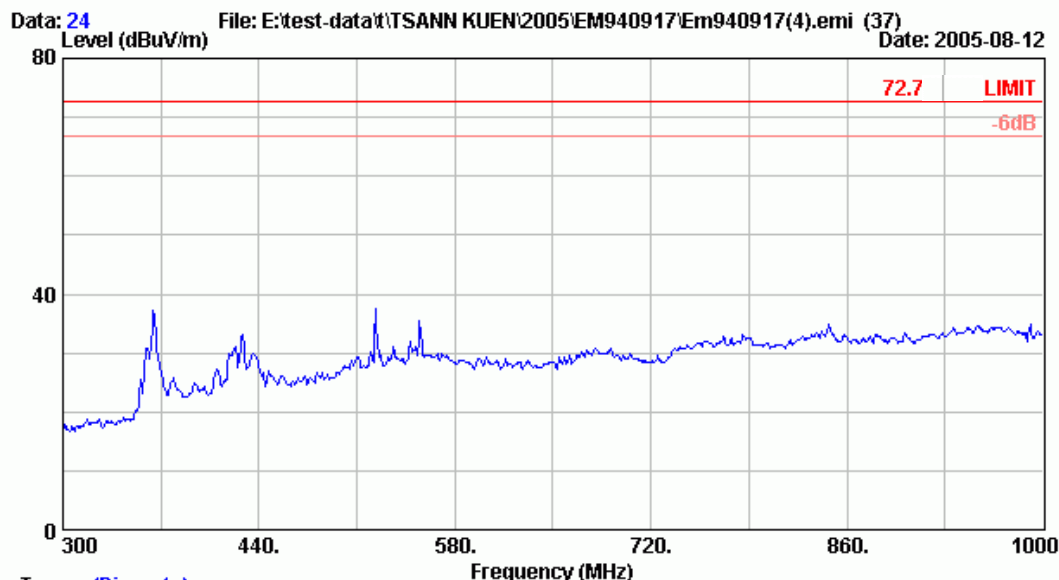


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Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                           | Data no.  | : 1           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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       |           |               |



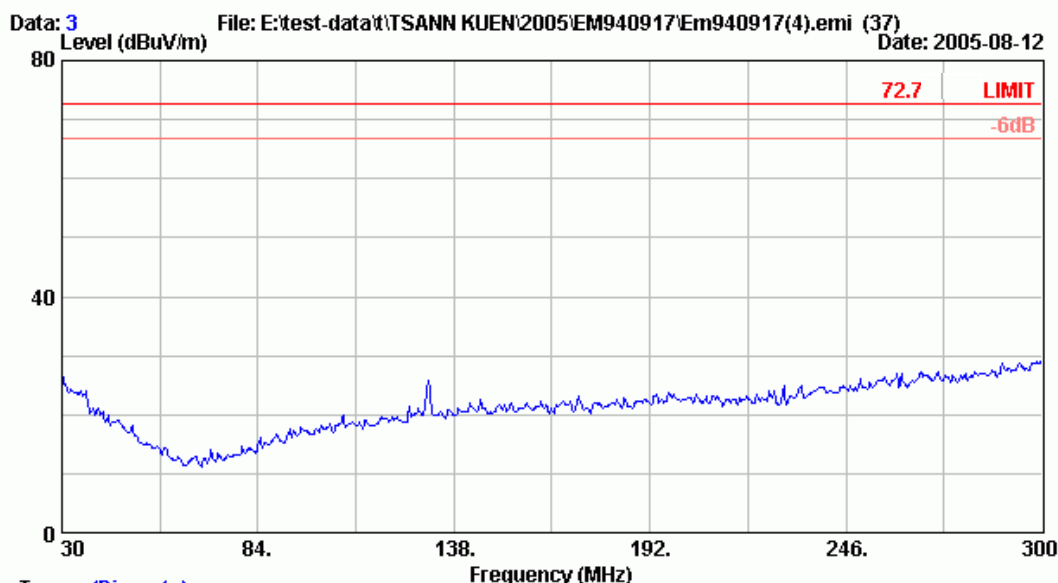
Trace: (Discrete)

|              |                                         |           |               |
|--------------|-----------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                           | Data no.  | : 24          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                  | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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       |           |               |



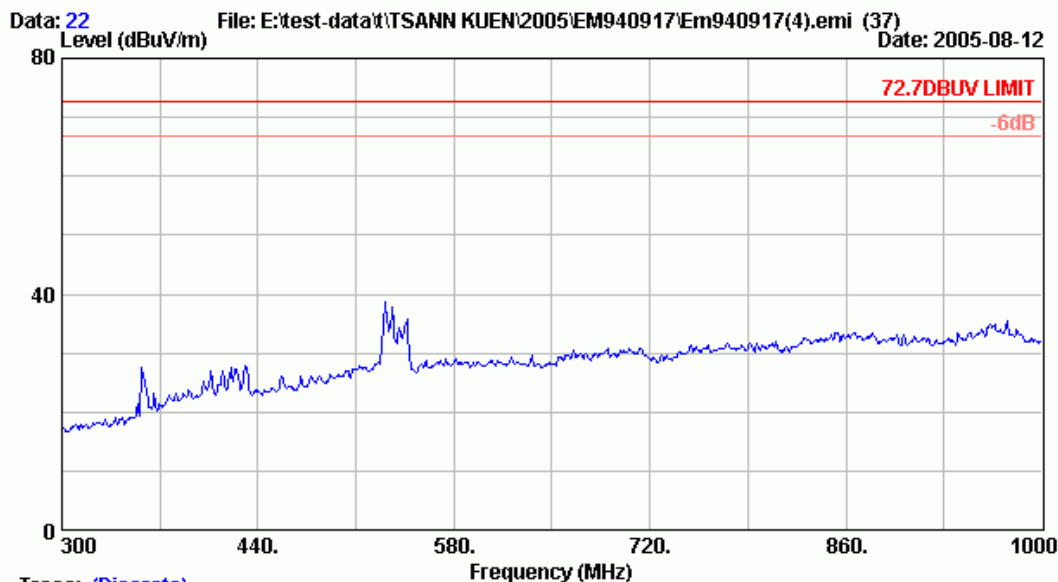


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 3           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |



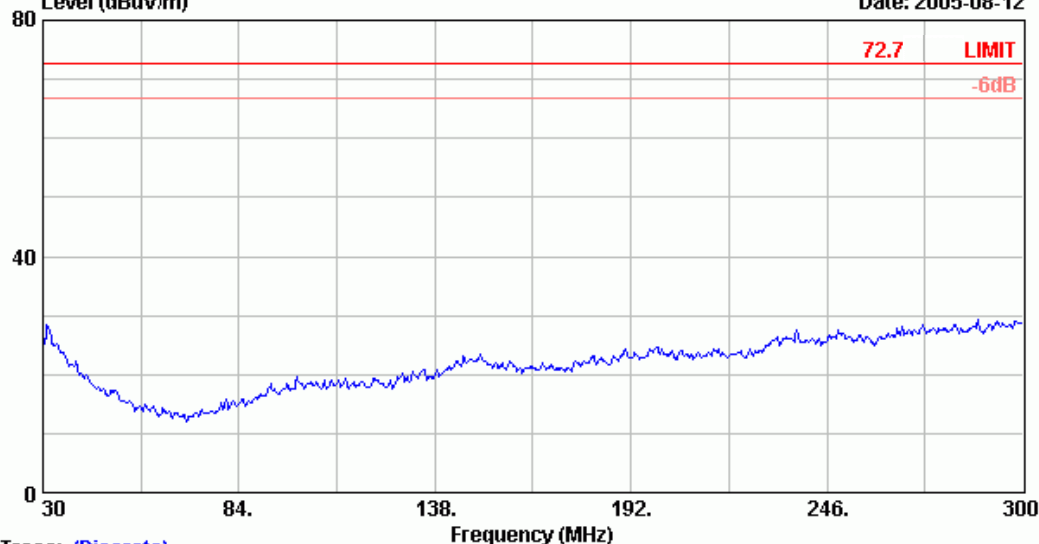
Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| 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<br>located in the center of the oven |           |               |



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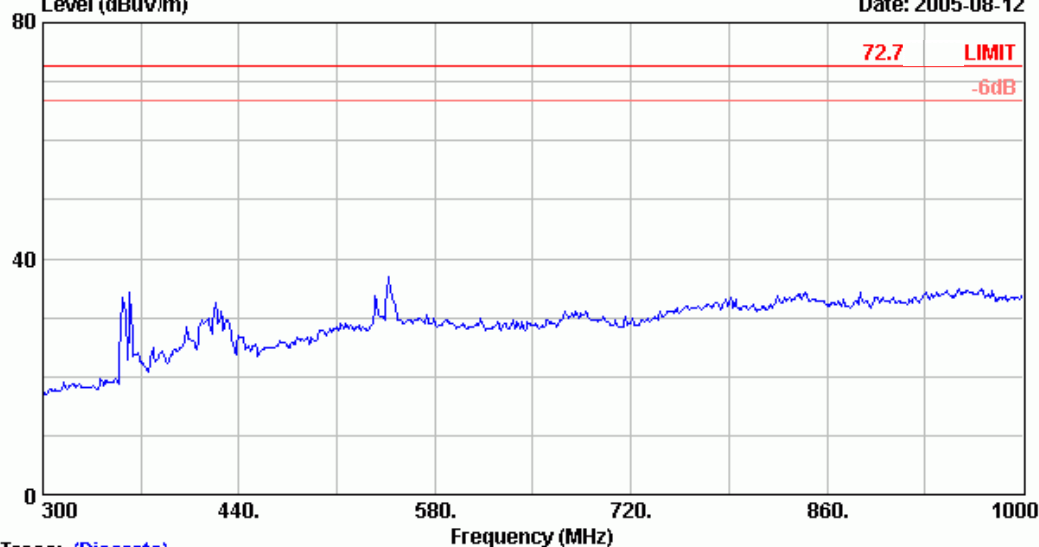
Data: 4 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(4).emi (37) Date: 2005-08-12



Trace: (Discrete)

Site no. : A/C Chamber Data no. : 4  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL  
Limit : 72.7 dB $\mu$ 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

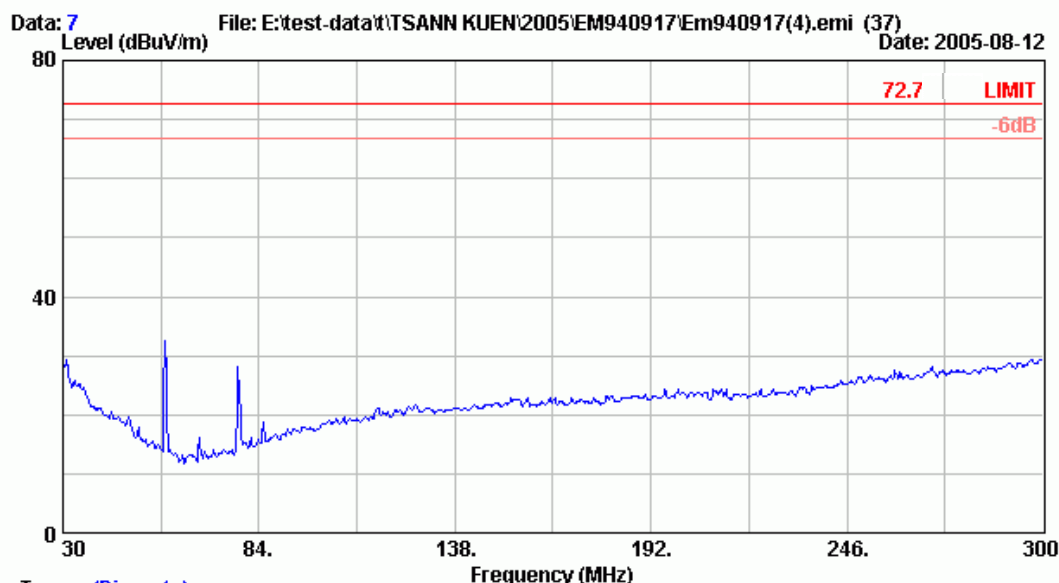


Trace: (Discrete)

Site no. : A/C Chamber Data no. : 21  
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL  
Limit : 72.7 dB $\mu$ 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

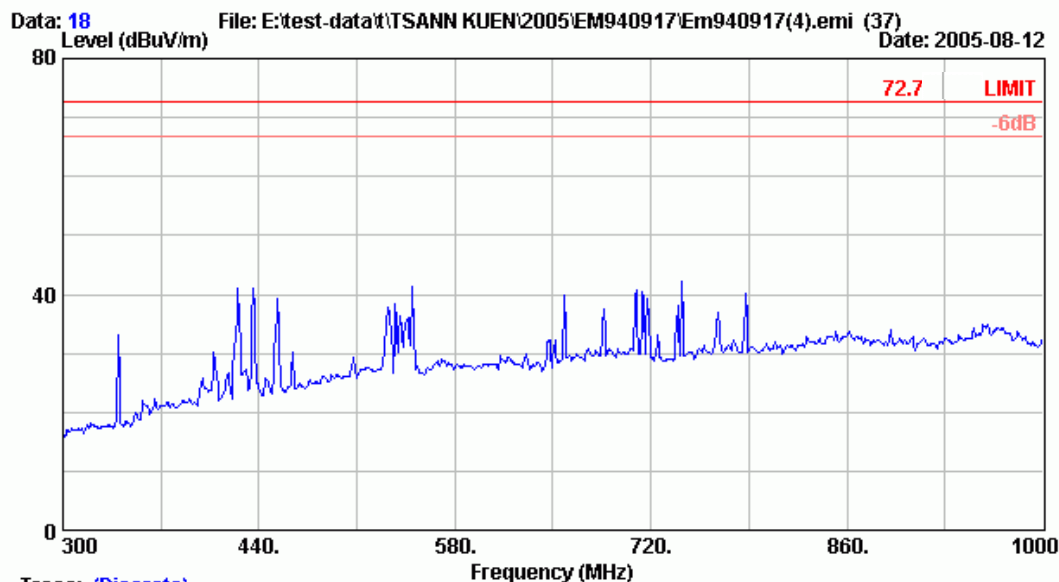


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 7           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

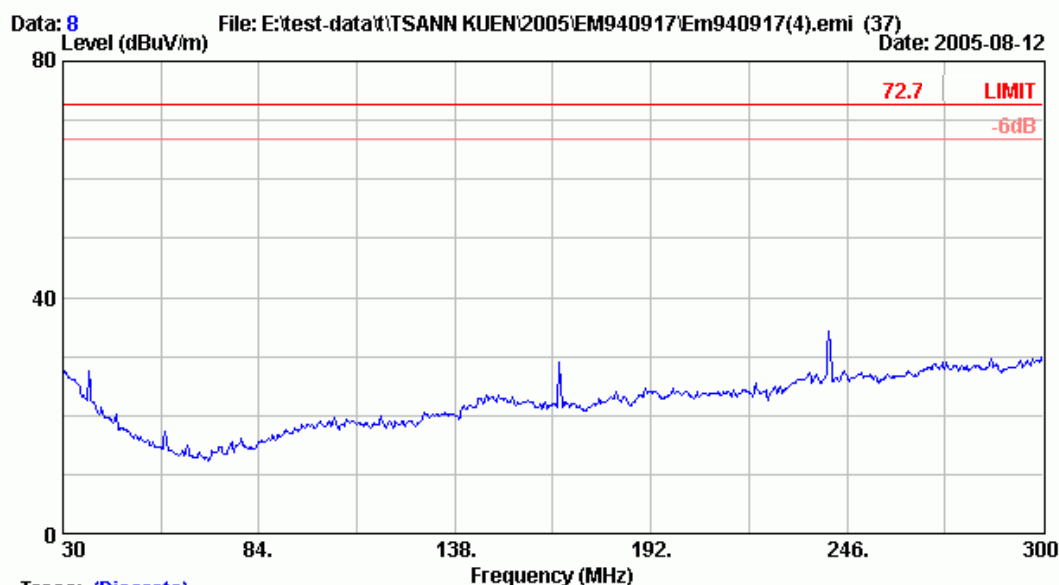


Trace: (Discrete)

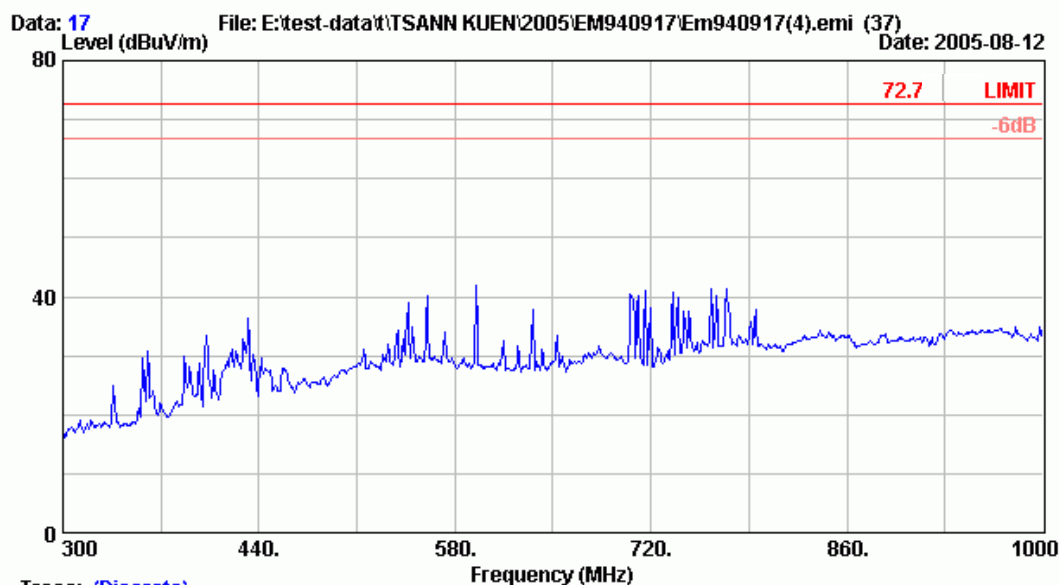
|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 18          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |



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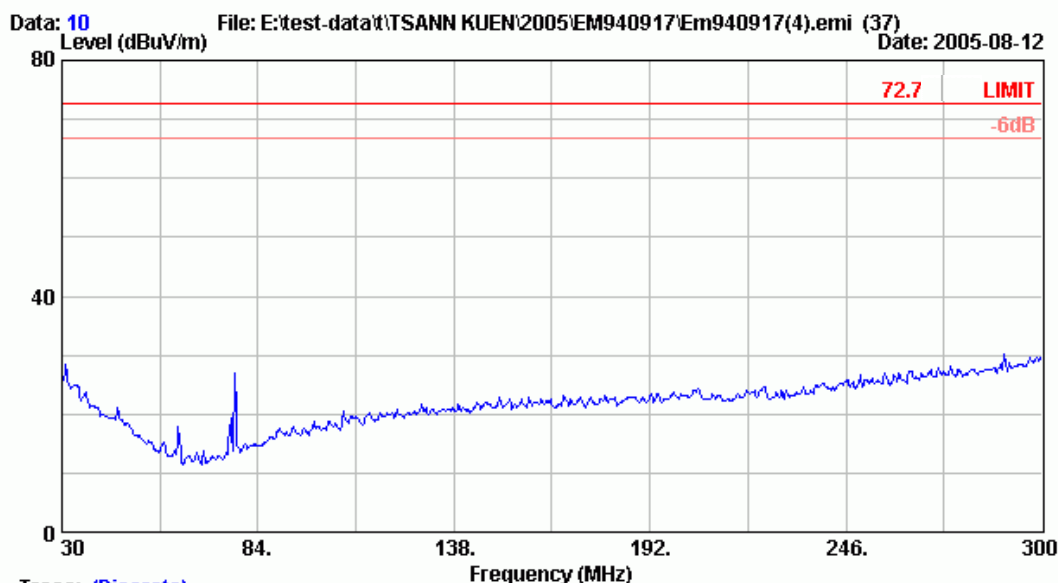
Site no. : A/C Chamber Data no. : 8  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Soup  
700 milliliters of waters in the beaker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



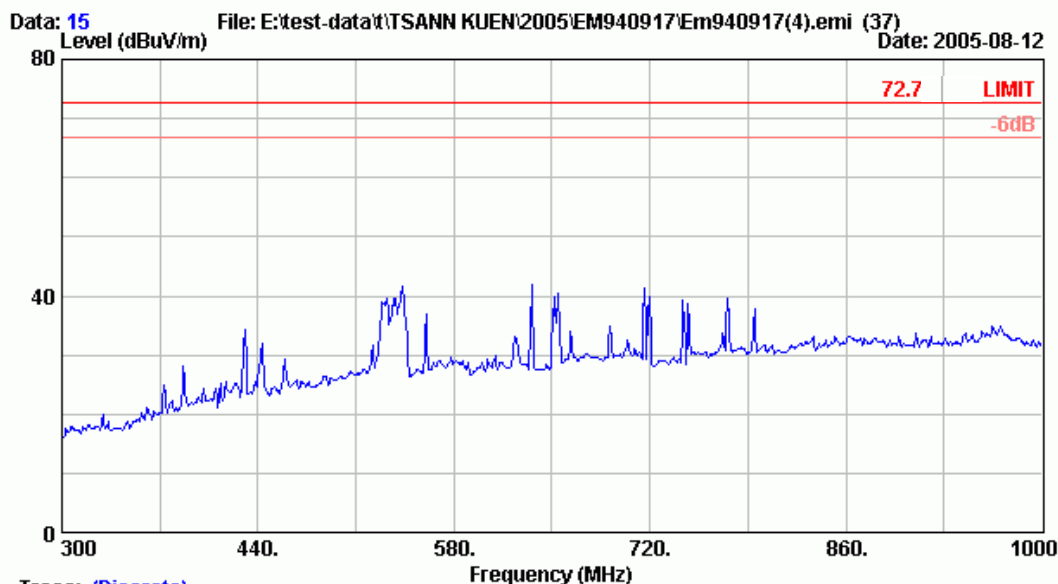
Site no. : A/C Chamber Data no. : 17  
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Soup  
700 milliliters of waters in the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



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Site no. : A/C Chamber Data no. : 10  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  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

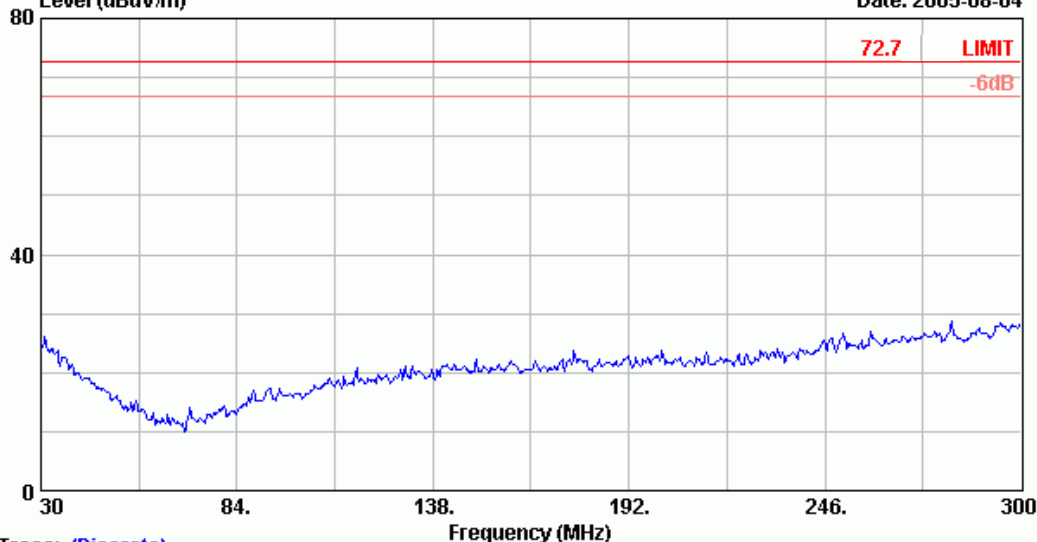


Site no. : A/C Chamber Data no. : 15  
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Cass  
700 milliliters of waters in the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



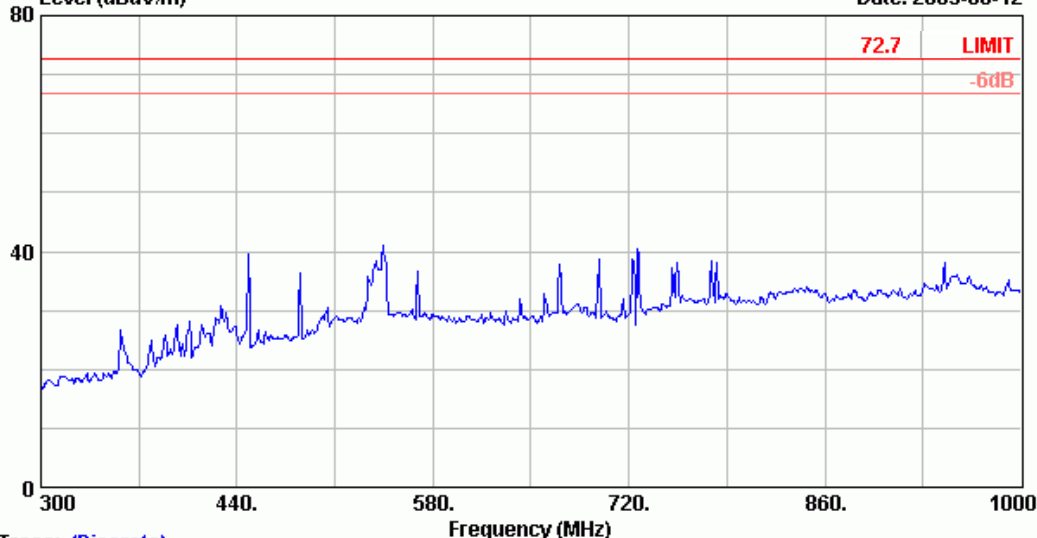
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Data: 9 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(3).emi (37) Date: 2005-08-04



Site no. : A/C Chamber Data no. : 9  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL  
Limit : 72.7 dB $\mu$ 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

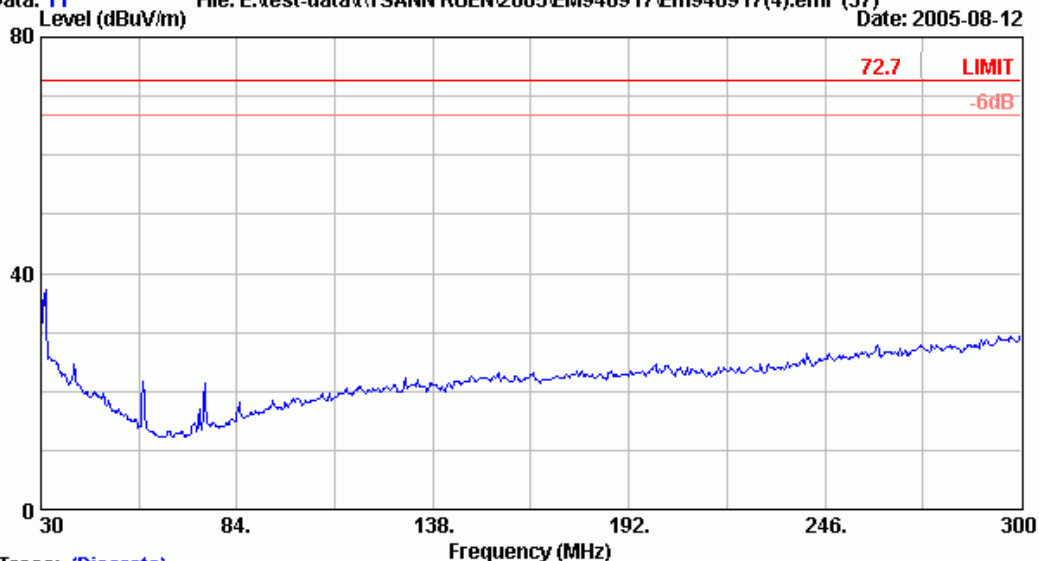


Site no. : A/C Chamber Data no. : 16  
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : VERTICAL  
Limit : 72.7 dB $\mu$ V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Cass  
700 milliliters of waters in the beaker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



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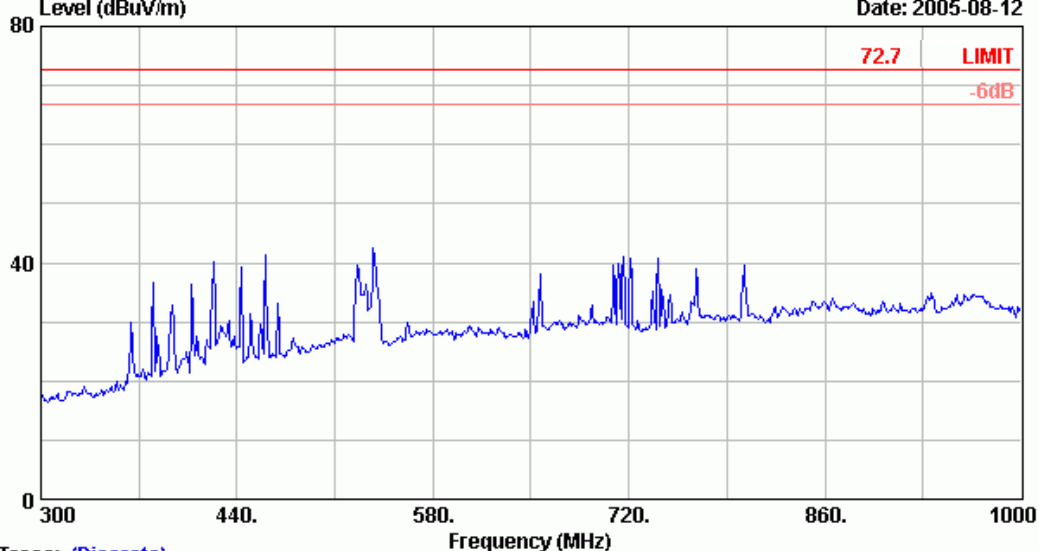
Data: 11 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(4).emi (37) Date: 2005-08-12



Trace: (Discrete)

Site no. : A/C Chamber Data no. : 11  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  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

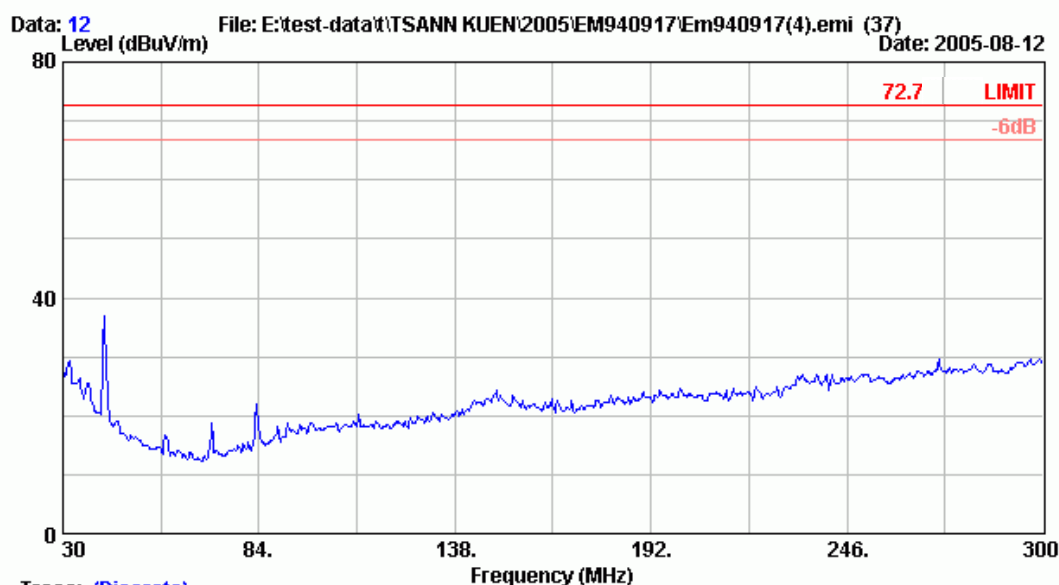


Trace: (Discrete)

Site no. : A/C Chamber Data no. : 14  
Dis. / Ant. : 3m UHALP9108-A(0139) Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  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

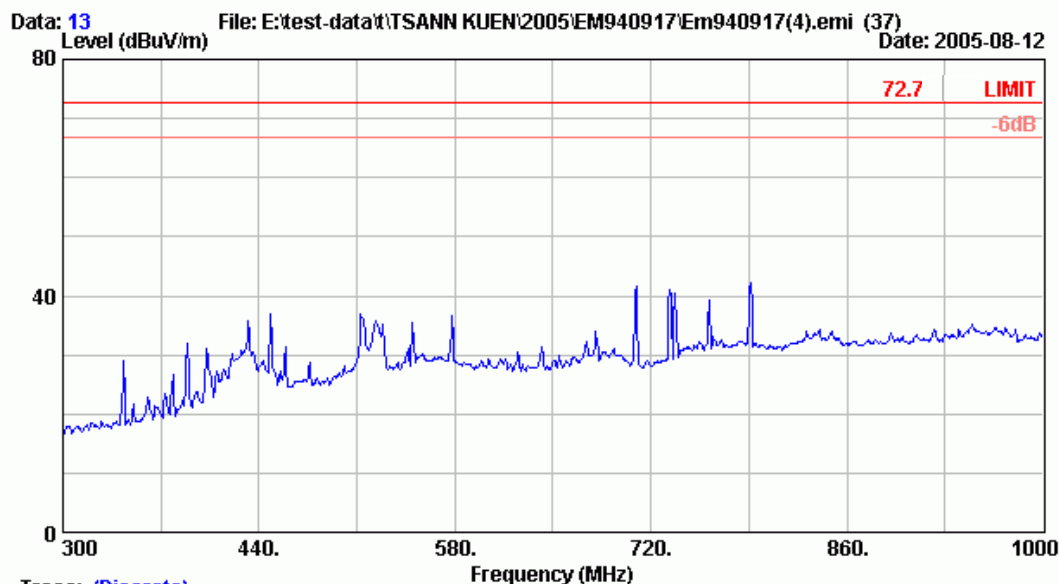


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 12          |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |



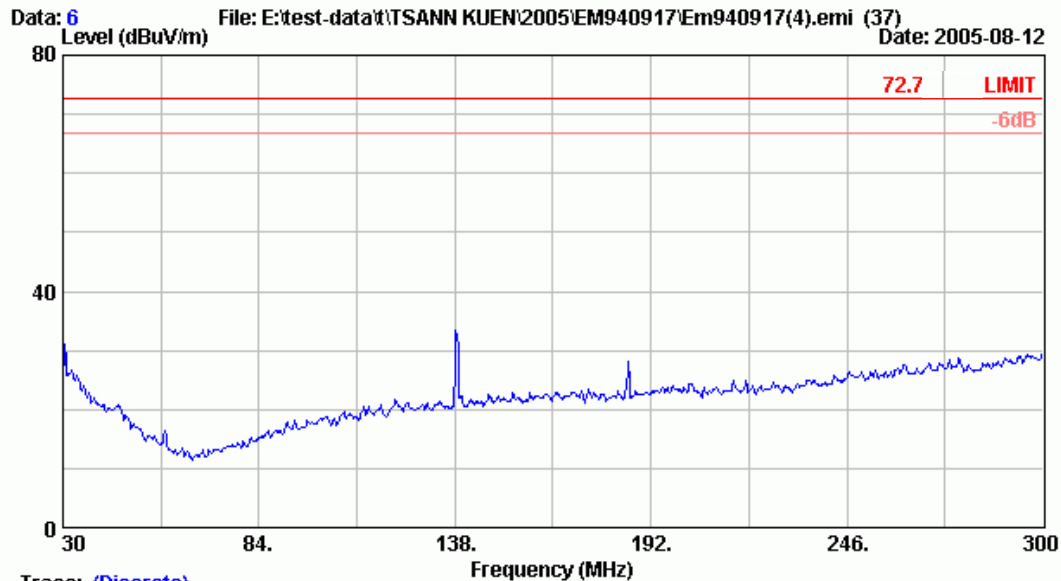
Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 13          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : VERTICAL    |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |



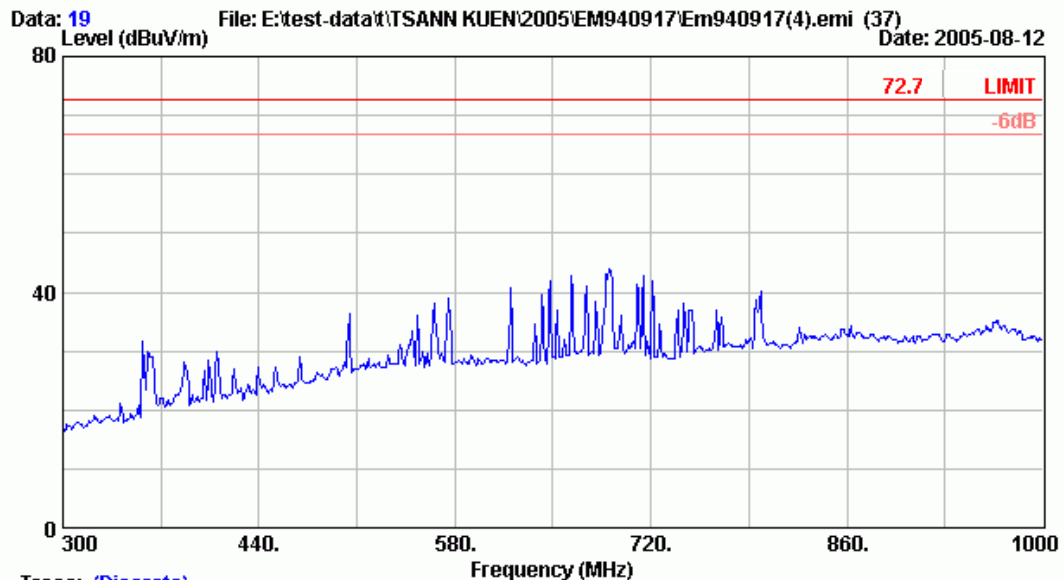


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Trace: (Discrete)

|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 6           |
| Dis. / Ant.  | : 3m BBA9106(A3L)                                                            | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |

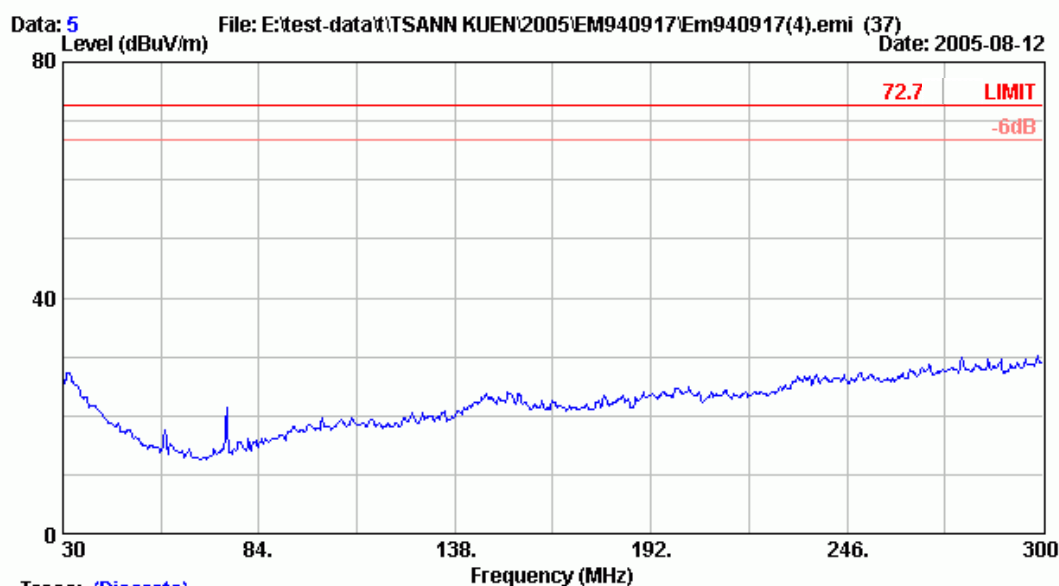


Trace: (Discrete)

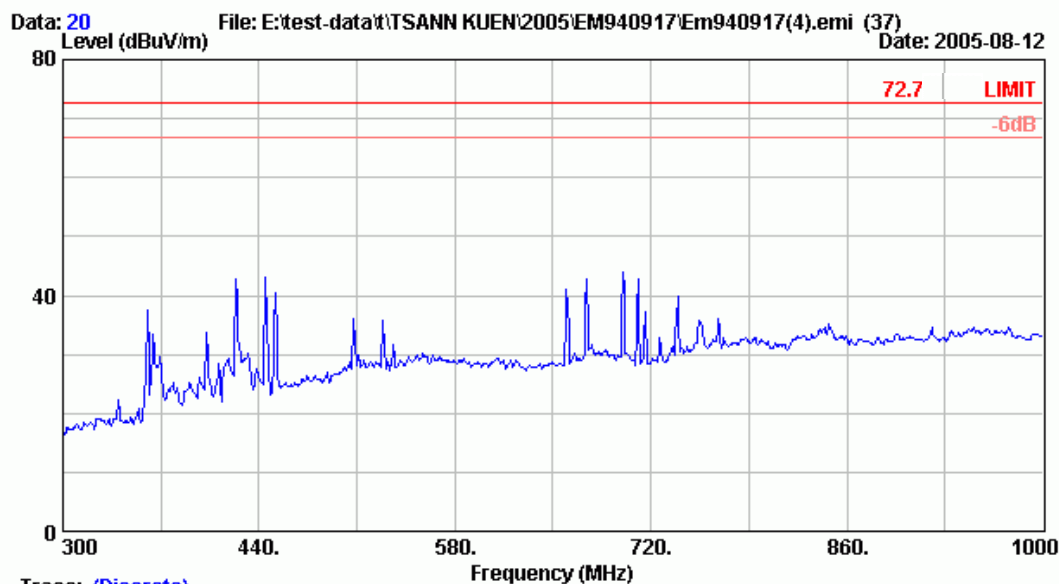
|              |                                                                              |           |               |
|--------------|------------------------------------------------------------------------------|-----------|---------------|
| Site no.     | : A/C Chamber                                                                | Data no.  | : 19          |
| Dis. / Ant.  | : 3m UHALP9108-A(0139)                                                       | Ant. pol. | : HORIZONTAL  |
| Limit        | : 72.7 dB $\mu$ 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<br>located in the center of the oven |           |               |



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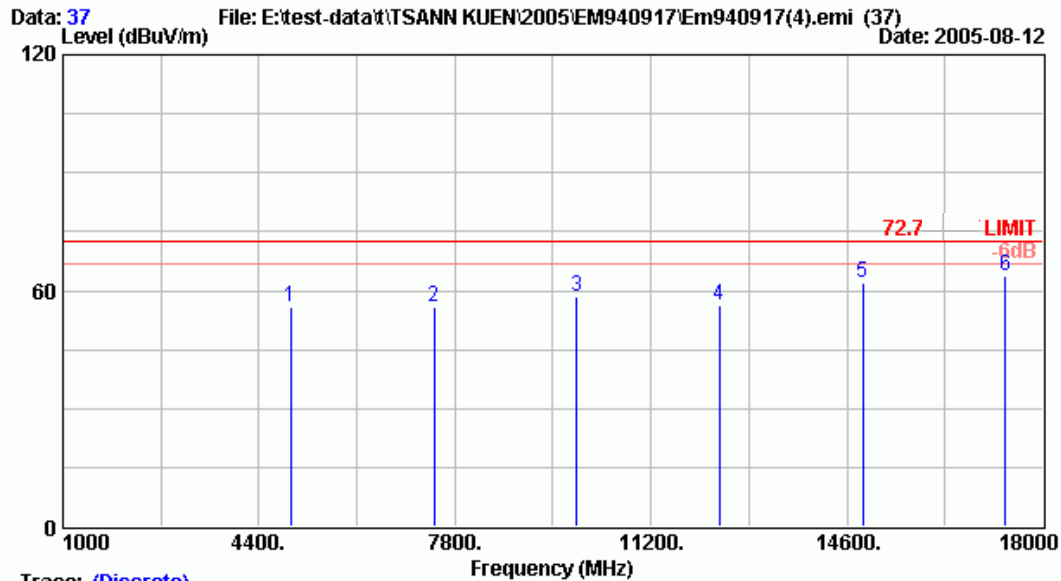
Site no. : A/C Chamber Data no. : 5  
Dis. / Ant. : 3m BBA9106(A3L) Ant. pol. : VERTICAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:TSK-8402EMM  
Power Rating : 120Vac/60Hz  
Test Mode : Auto Defrost  
700 milliliters of waters in the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

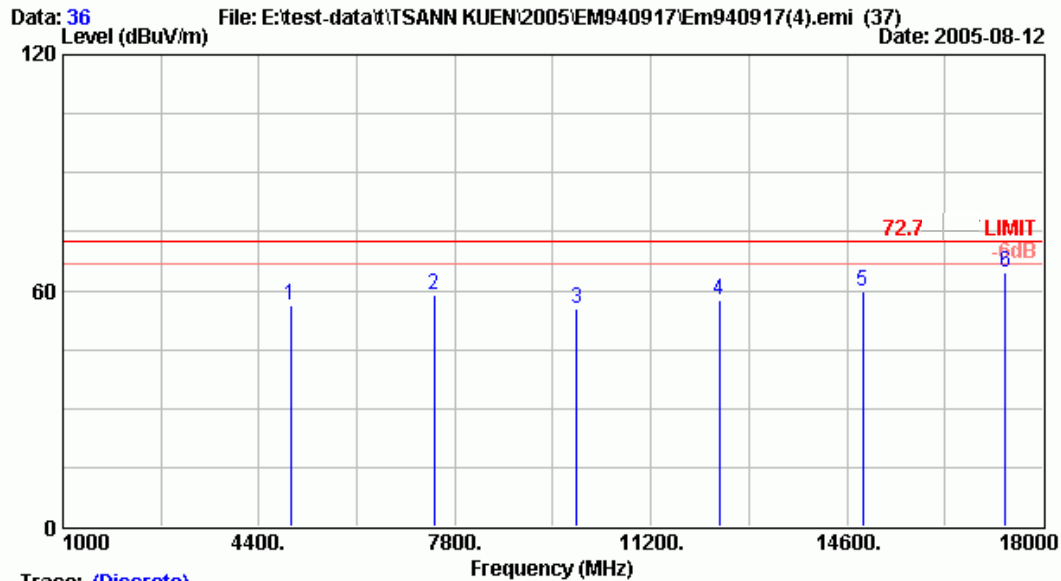
Site no. : A/C Chamber Data no. : 37  
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:840XEMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
700 milliliters of waters in the beaker  
located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

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(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  $\mu$  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

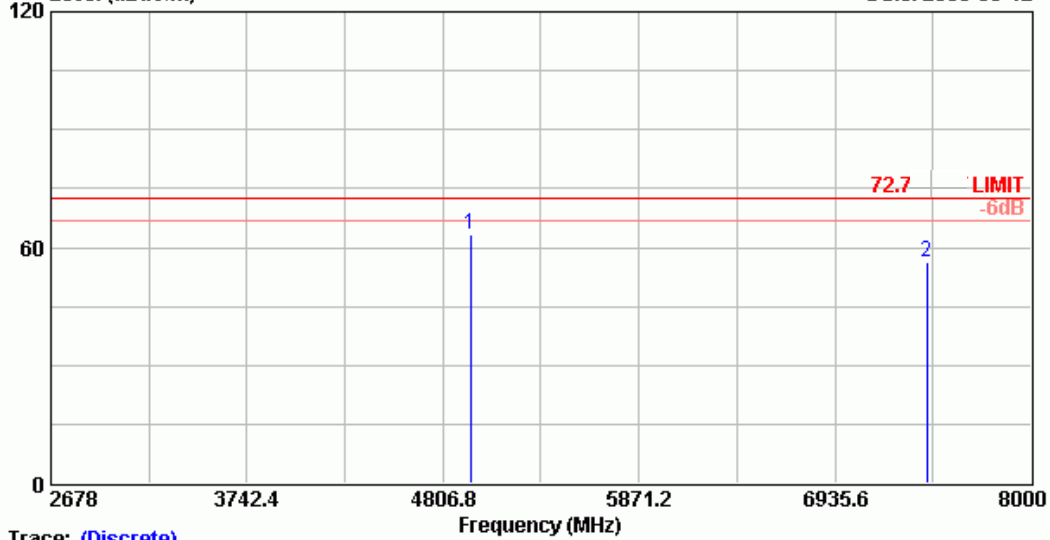
| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission<br>Level<br>(dB $\mu$ V/m) | Limits<br>(dB $\mu$ V/m) | Margin<br>(dB) | Remark  |
|----------------|--------------------------|-----------------------|-------------------------|-------------------------------------|--------------------------|----------------|---------|
| 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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Data: 31 File: E:\test-data\TSANN KUEN\2005\EM940917\Em940917(4).emi (37) Date: 2005-08-12



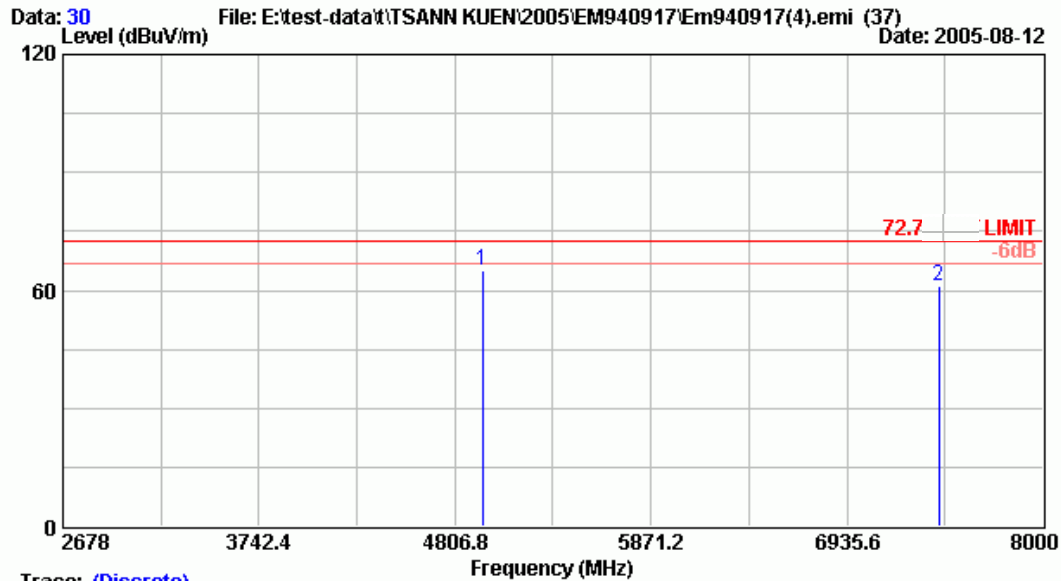
Trace: (Discrete)  
Site no. : A/C Chamber Data no. : 31  
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL  
Limit : 72.7 dB  $\mu$  V/m  
Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
EUT : Microwave Oven M/N:840XEMM  
Power Rating : 120Vac/60Hz  
Test Mode : Max  
700 milliliters of waters in 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 $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ V/m) | (dB)   |         |  |
| 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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Trace: (Discrete)

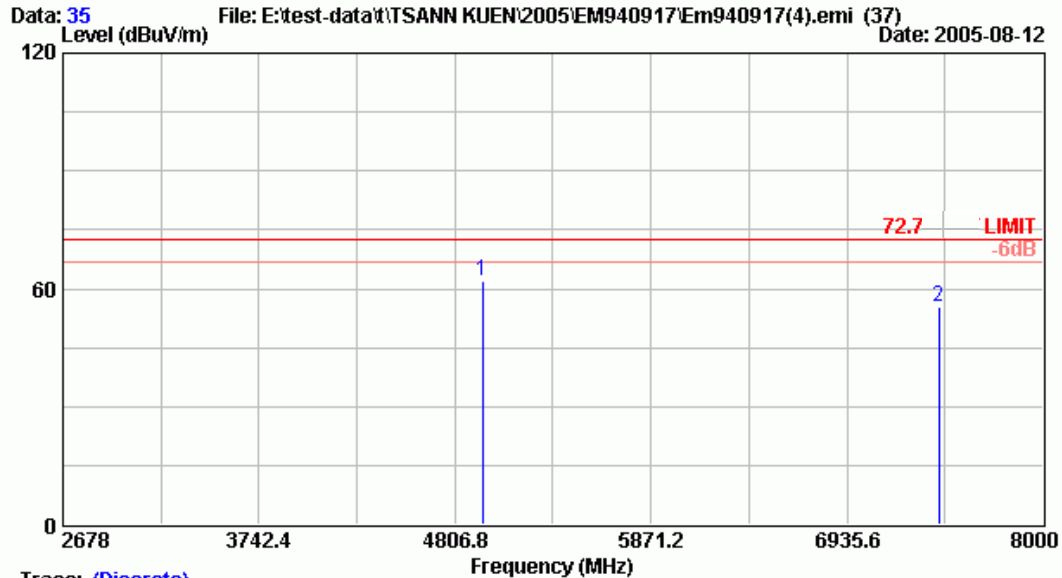
Site no. : A/C Chamber Data no. : 30  
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL  
 Limit : 72.7 dB  $\mu$  V/m  
 Env. / Ins. : 8593EM 20°C/69% Enginner : Hyper Chang  
 EUT : Microwave Oven M/N:840XEMM  
 Power Rating : 120Vac/60Hz  
 Test Mode : Max  
 700 milliliters of waters in the beaker  
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

|            |        | Ant. Cable |              | Emission       |                |        |         |  |
|------------|--------|------------|--------------|----------------|----------------|--------|---------|--|
| Freq.      | Factor | Loss       | Reading      | Level          | Limits         | Margin | Remark  |  |
| (MHz)      | (dB/m) | (dB)       | (dB $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ 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  $\mu$  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

|            |        | Ant.  | Cable        |                | Emission       |        |         |  |
|------------|--------|-------|--------------|----------------|----------------|--------|---------|--|
| Freq.      | Factor | Loss  | Reading      | Level          | Limits         | Margin | Remark  |  |
| (MHz)      | (dB/m) | (dB)  | (dB $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ V/m) | (dB)   |         |  |
| 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 $\mu$ 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

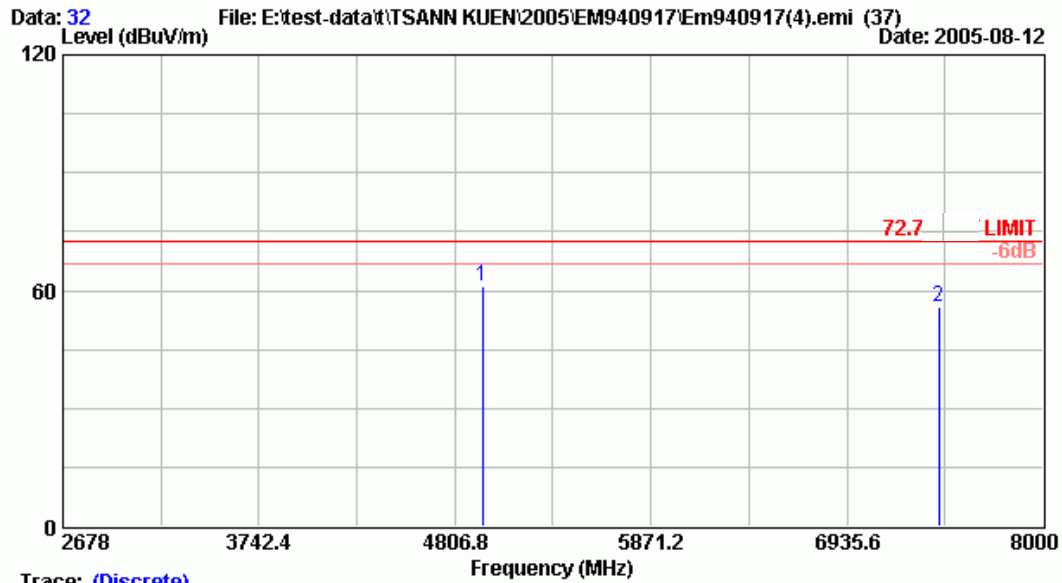
| Freq.<br>(MHz) | Ant. Cable       |              | Emission                |                         | Limits<br>(dB $\mu$ V/m) | Margin<br>(dB) | Remark  |
|----------------|------------------|--------------|-------------------------|-------------------------|--------------------------|----------------|---------|
|                | Factor<br>(dB/m) | Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Level<br>(dB $\mu$ 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  
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        | : 72.7 dB $\mu$ V/m          |           |               |
| Env. / Ins.  | : 8593EM 20°C/69%            | Enginner  | : Hyper Chang |
| EUT          | : Microwave Oven M/N:840XEMM |           |               |
| Power Rating | : 120Vac/60Hz                |           |               |
| Test Mode    | : Max                        |           |               |

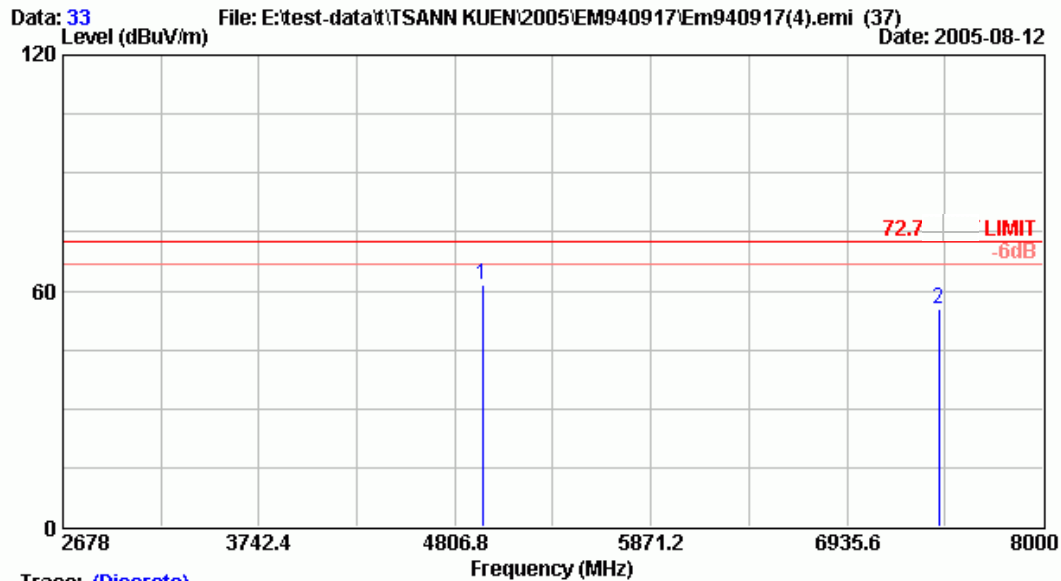
300 milliliters of waters in the beaker  
located in the right of the oven

| Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dB $\mu$ V) | Emission |  | Limits<br>(dB $\mu$ V/m) | Margin<br>(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  $\mu$  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 $\mu$ V) | (dB $\mu$ V/m) | (dB $\mu$ 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

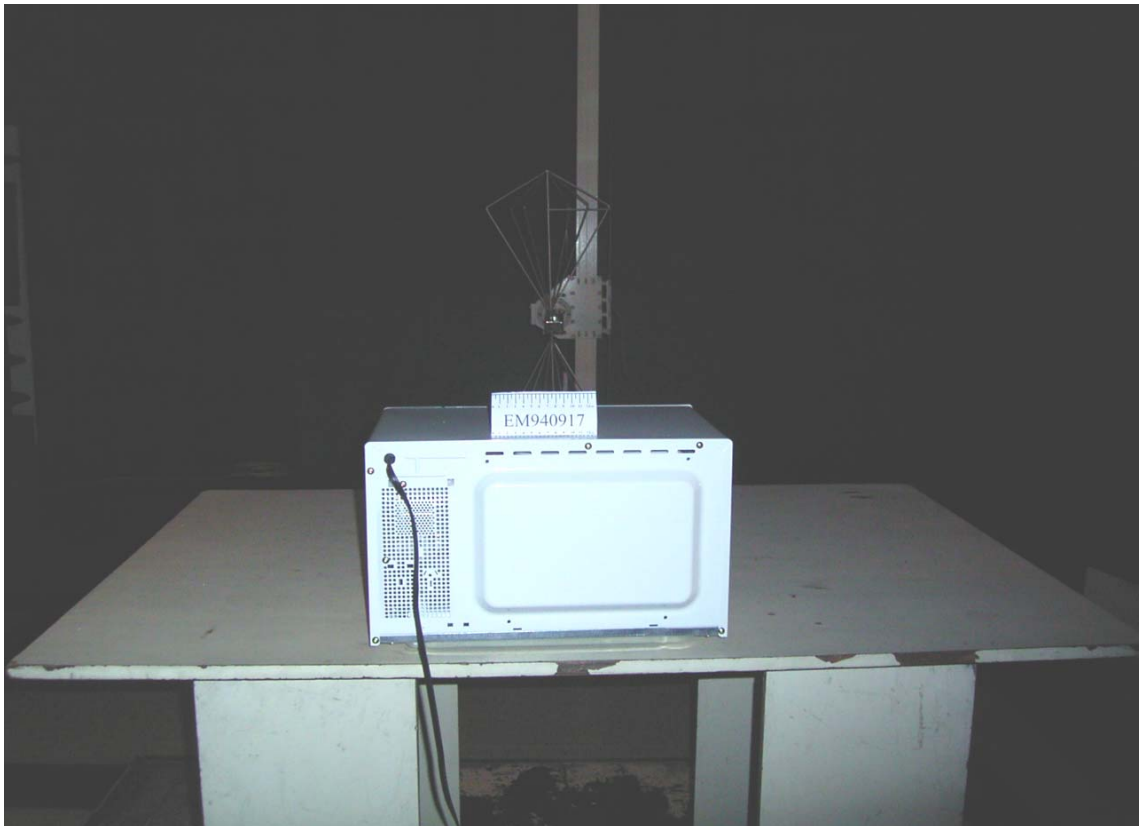


9.5. Photos of Radiated Measurement at Semi-Anechoic Chamber (Below 1GHz)

M/N : TSK-8402AMM



FRONT VIEW OF RADIATED MEASUREMENT

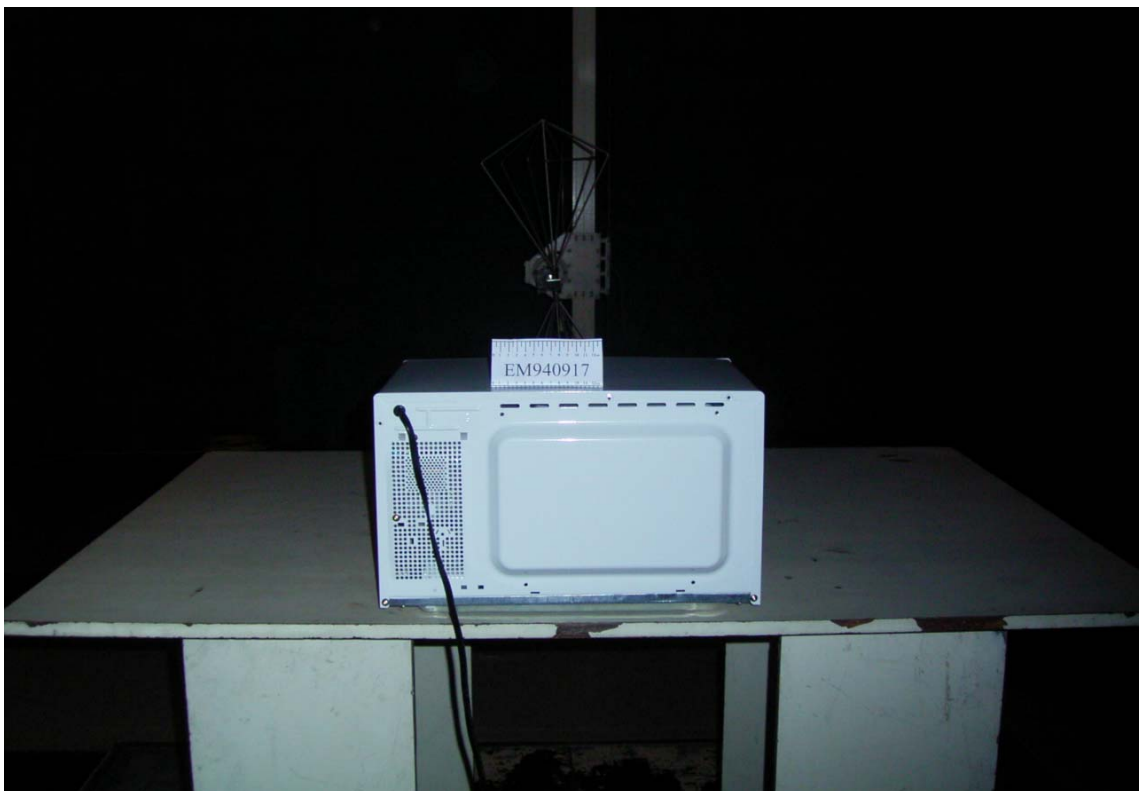


BACK VIEW OF RADIATED MEASUREMENT

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

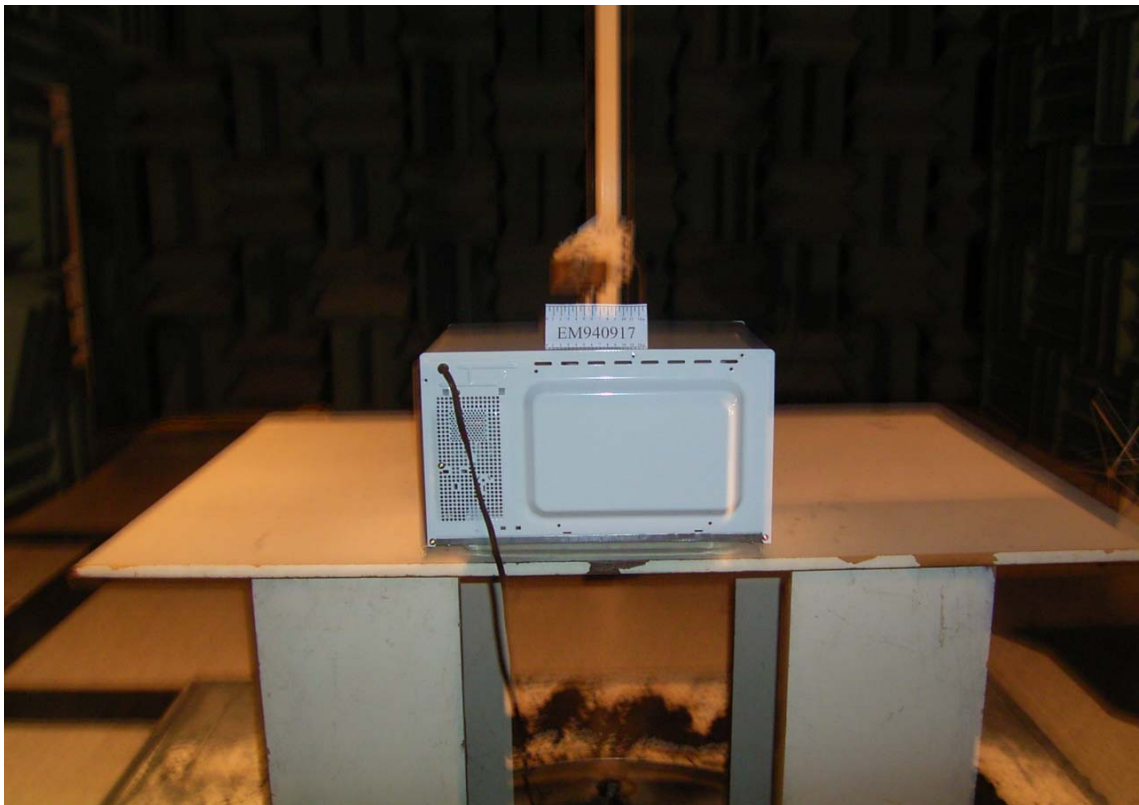


BACK VIEW OF RADIATED MEASUREMENT

M/N : TSK-8402EMM



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT