

APPLICATION FOR CERTIFICATION

On Behalf of

Tsann Kuen Enterprise Co., Ltd.

Microwave Oven

Model : (1)TSK-M3204ME (2)TSK-M3204MEQ

FCC ID : RBJ-TSKM320X

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

Prepared By : Audix Corporation
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1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description : Microwave Oven

Model Number : (1)TSK-M3204ME (2)TSK-M3204MEQ
The difference in above models are in PCB layout and function.

Model Number	TSK-M3204ME	TSK-M3204MEQ
Function	Microwave	Microwave+ Grill

All models are representative selected and tested in this report.

FCC ID : RBJ-TSKM320X

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

Manufacturer : Tsann Kuen (Zhangzhou) Enterprise Co., Ltd.
Tsann Kuen Industrial Park, Longchi
Development District, Zhangzhou, Fujian,
363000, P.R. China

Magnetron : Witol, Type No. 2M319K

H.V. Transformer : YLEC, Type No. YL-R101ACKA-1

Fan Motor : Heng Cheng, Type YJF62A-120(07)

Frequency : 2450MHz

Power Supply : AC 120V, 60Hz

Rated Current : 15A

Microwave Output : 1000W

Grill Output : 1300W (Only M/N TSK-M3204MEQ)

Rated Power Consumption : 1550W

Power Cord : Non-Shielded, Undetachable, 1.1m (3-Pin)

Date of Receipt of Sample : Jul. 05, 2006

Date of Test : Jul. 07 ~ 28, 2006

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)

DAR-Registration No. : DAT-P-145/03-01

1.3. Measurement Uncertainty

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

Remark : Uncertainty = $k_{uc}(y)$

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 16, 06'	May 15, 07'

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

EUT : Microwave Oven M/N : TSK-M3204ME
 Test Date : Jul. 27, 2006 Temperature : 22 Humidity : 41%

Load : 700ml

Measured Input			Manufacturer's Input	
Voltage (Vac)	Current (A)	Input Power (W)	Current (A)	Input Power (W)
120	13.5	1514	15A	1550W

EUT : Microwave Oven M/N : TSK-M3204MEQ
 Test Date : Jul. 27, 2006 Temperature : 22 Humidity : 41%

Load : 700ml

Measured Input			Manufacturer's Input	
Voltage (Vac)	Current (A)	Input Power (W)	Current (A)	Input Power (W)
120	13.3	1462	15A	1550W

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

EUT : Microwave Oven

M/N : TSK-M3204ME

Test Date : Jul. 27, 2006

Temperature : 22

Humidity : 41%

Load : 1000ml

Manufacture's Output : 1000W

Load	Initial Water Temperature	Final Water Temperature	Heating Duration (Sec.)
1000ml	17	35.5	120

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

$$\text{Power [W]} = \frac{4.2 \times 1000 \times 18.5}{120} = 647.5\text{W}$$

EUT : Microwave Oven

M/N : TSK-M3204MEQ

Test Date : Jul. 27, 2006 Temperature : 22 Humidity : 41%

Load : 1000ml

Manufacture's Output : 1000W

Load	Initial Water Temperature	Final Water Temperature	Heating Duration (Sec.)
1000ml	16	37.5	120

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

$$\text{Power [W]} = \frac{4.2 \times 1000 \times 21.5}{120} = 752.5\text{W}$$

4. OUTPUT FREQUENCY MEASUREMENT

4.1. Test Equipment

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

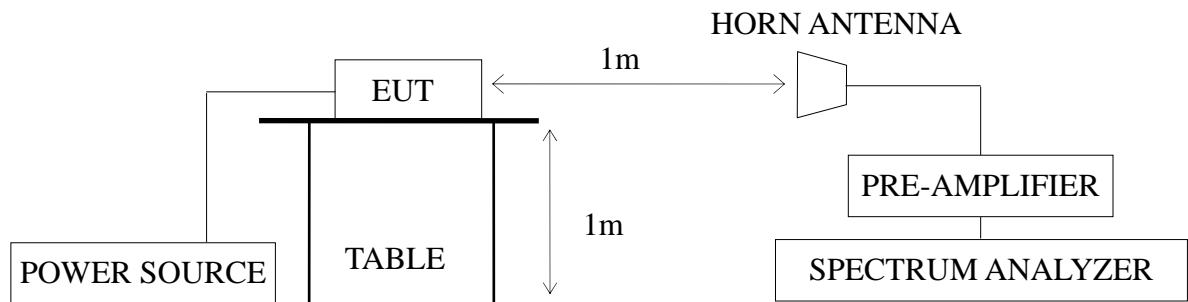
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Sep. 26, 05'	Sep. 25, 06'
2.	Horn Antenna	EMCO	3115	9112-3775	Jun. 01, 06'	May 31, 07'
3.	Pre-Amplifier	HP	8449B	3008A01284	Jun. 30, 06'	Jun. 29, 07'

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

EUT : Microwave Oven

M/N : TSK-M3204ME

Test Date : Jul. 25, 2006 Temperature : 22 Humidity : 41%

Load : No Load

Measured Frequency (MHz)	Manufacture's Rated Frequency
2452.8	2450

EUT : Microwave Oven

M/N : TSK-M3204MEQ

Test Date : Jul. 25, 2006 Temperature : 22 Humidity : 41%

Load : No Load

Measured Frequency (MHz)	Manufacture's Rated Frequency
2472.4	2450

5. FREQUENCY MEASUREMENT

5.1. Test Equipment

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

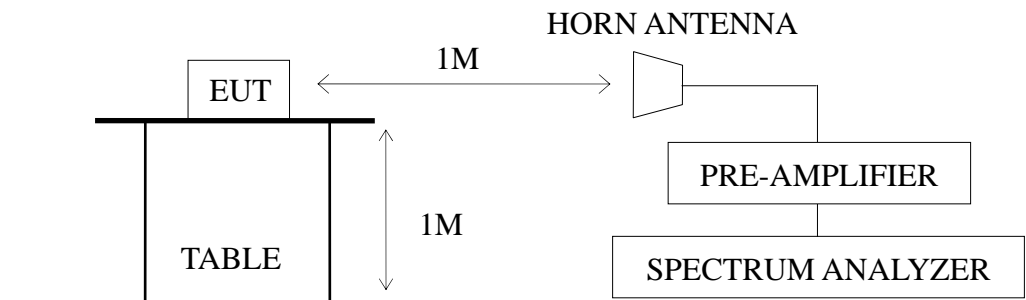
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Sep. 26, 05'	Sep. 25, 06'
2.	Horn Antenna	EMCO	3115	9112-3775	Jun. 01, 06'	May 31, 07'
3.	Pre-Amplifier	HP	8447D	2944A06305	Mar. 09, 06'	Mar. 08, 07'

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.

EUT : Microwave Oven

M/N : TSK-M3204ME

Test Date : Jul. 27, 2006 Temperature : 22 Humidity : 41%

5.4.1. The Variation of frequency with time

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

Initial Load: 1000ml

Final Load: 200ml

Fundamental Frequency: 2452.8MHz

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

Maximum Frequency Observed: 2459.8MHz

Minimum Frequency Observed: 2444.4MHz

Results: **PASSED.**

5.4.2. The Variation of frequency for line voltage

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

Load: 1000ml

Fundamental Frequency: 2452.8MHz

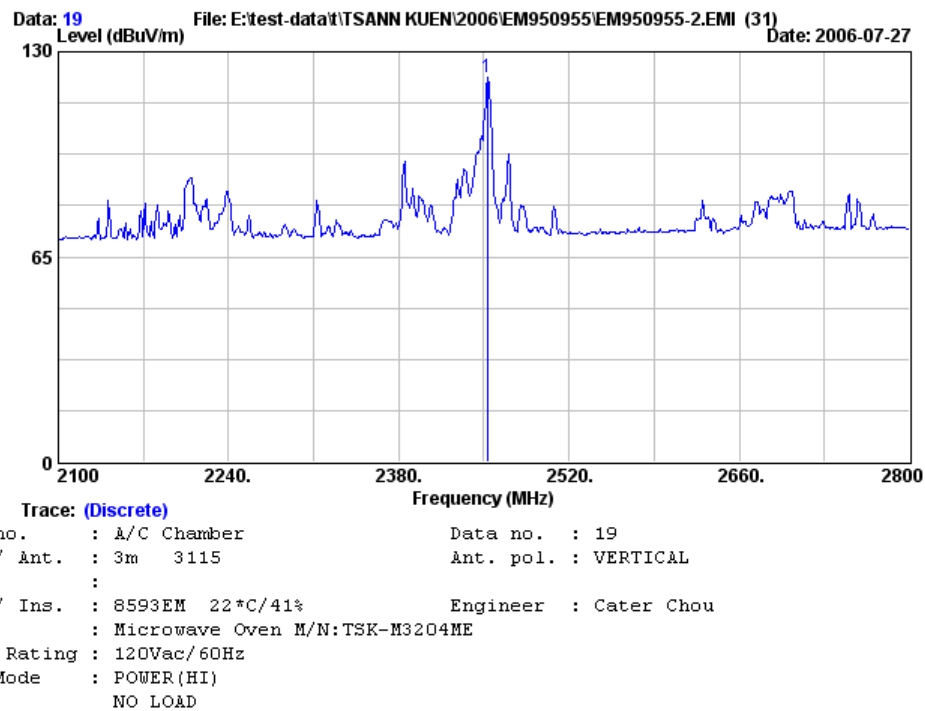
Limit: $2.4\text{GHz} < f < 2.5\text{GHz}$

Maximum Frequency Observed: 2456.3MHz

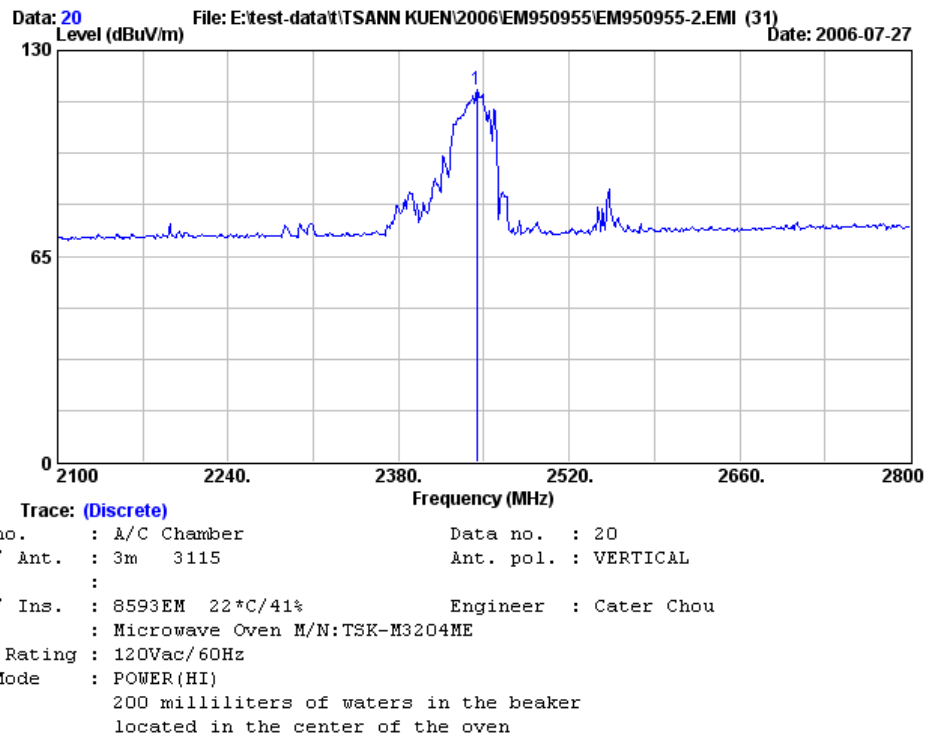
Minimum Frequency Observed: 2452.8MHz

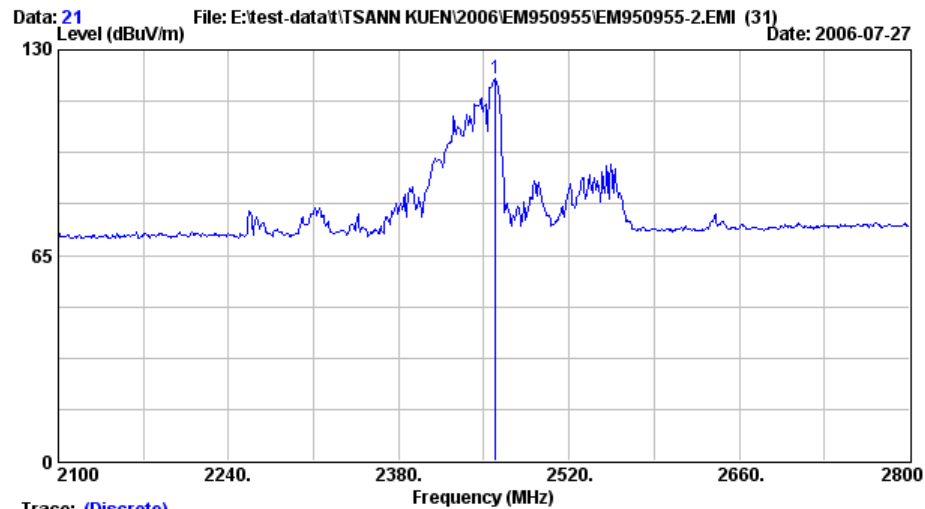
Results: **PASSED.**

Fundamental Frequency: 2452.8MHz



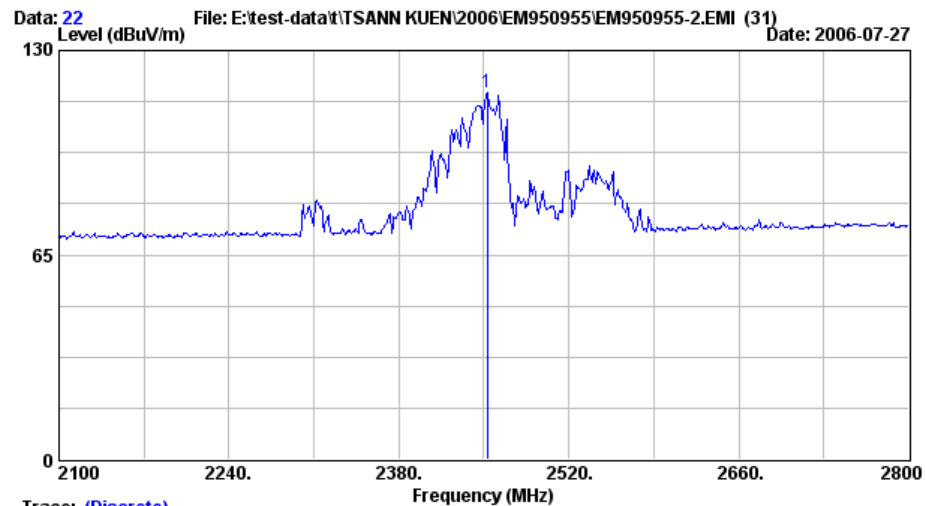
Load: 200ml, Voltage: 120V



Load: 1000ml, Voltage: 120V

Trace: (Discrete)

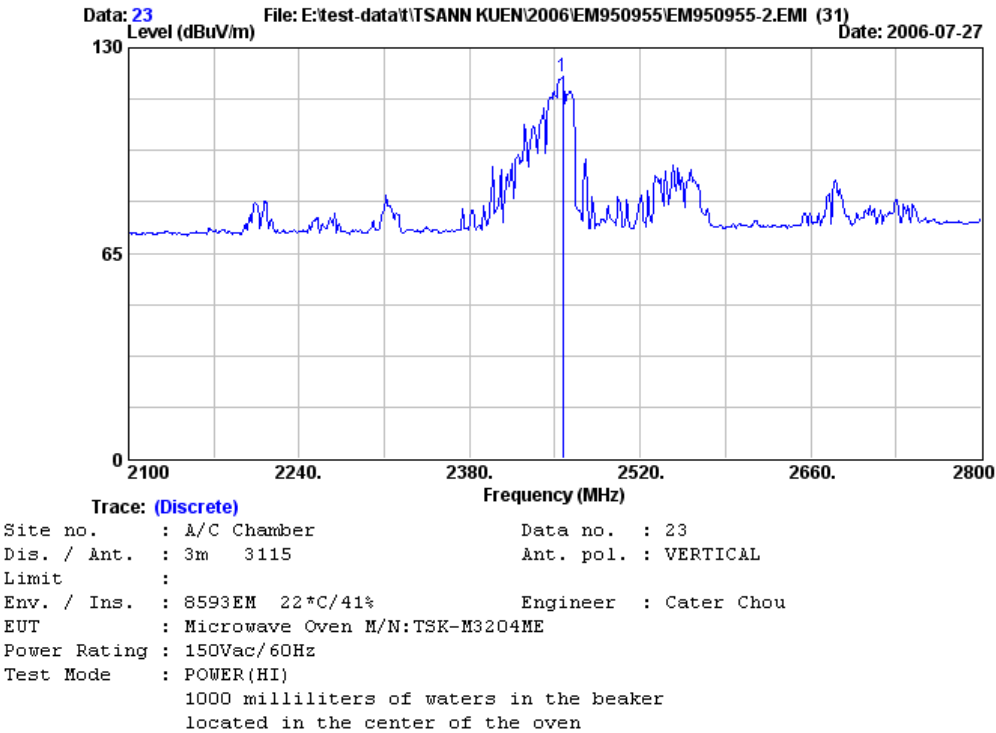
Site no. : A/C Chamber Data no. : 21
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit :
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 1000 milliliters of waters in the beaker
 located in the center of the oven

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

Trace: (Discrete)

Site no. : A/C Chamber Data no. : 22
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit :
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 96Vac/60Hz
 Test Mode : POWER(HI)
 1000 milliliters of waters in the beaker
 located in the center of the oven

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



EUT : Microwave Oven

M/N : TSK-M3204MEQ

Test Date : Jul. 27, 2006 Temperature : 22 Humidity : 41%

5.4.3. The Variation of frequency with time

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

Initial Load: 1000ml

Final Load: 200ml

Fundamental Frequency: 2472.4MHz

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

Maximum Frequency Observed: 2454.9MHz

Minimum Frequency Observed: 2449.3MHz

Results: PASSED.

5.4.4. The Variation of frequency for line voltage

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

Load: 1000ml

Fundamental Frequency: 2472.4MHz

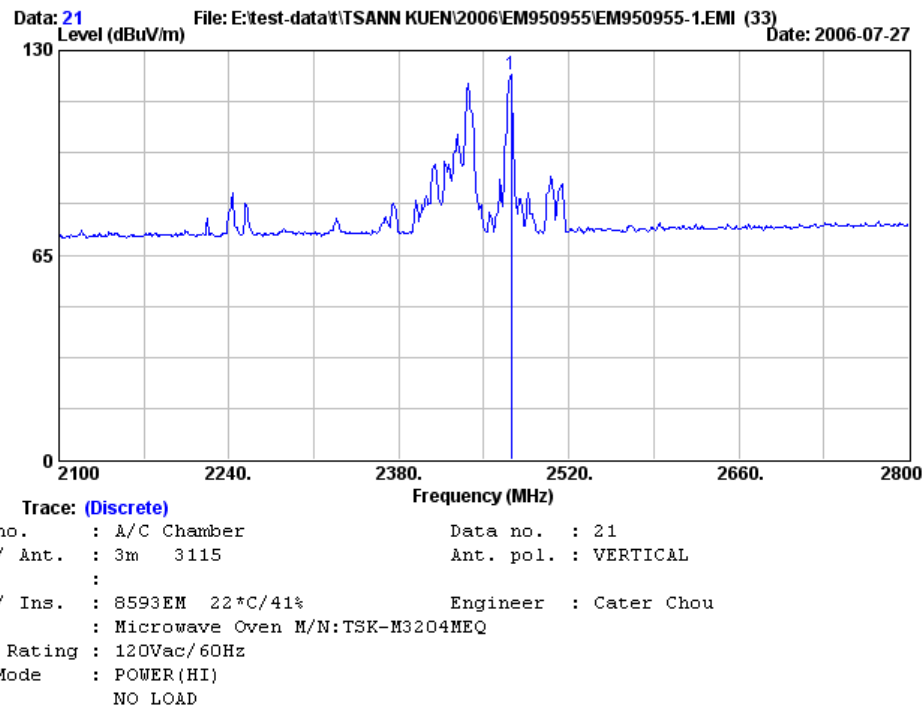
Limit: $2.4\text{GHz} < f < 2.5\text{GHz}$

Maximum Frequency Observed: 2456.3MHz

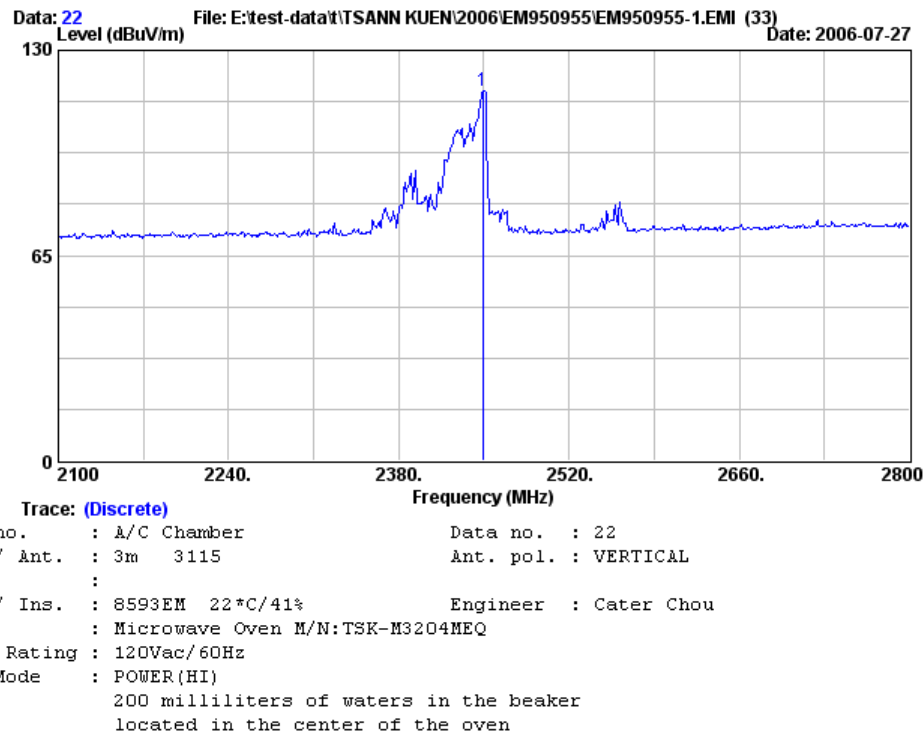
Minimum Frequency Observed: 2442.3MHz

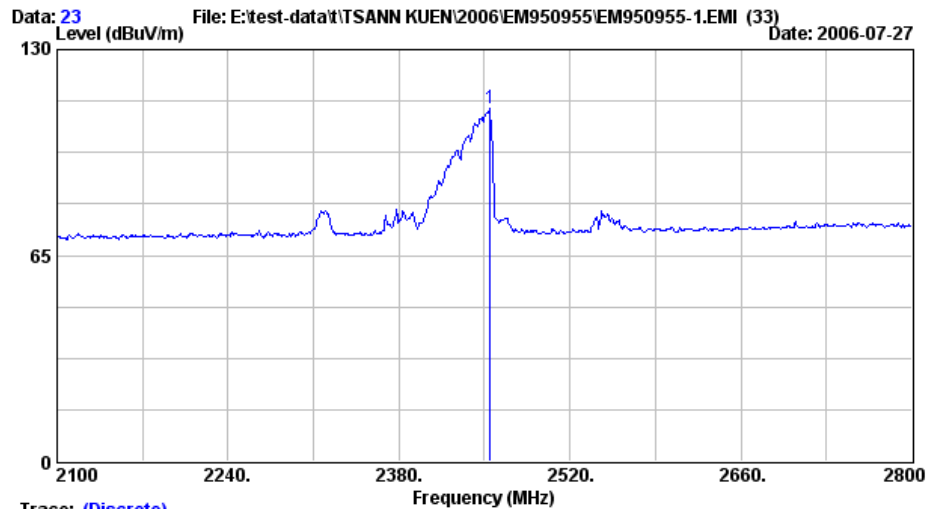
Results: PASSED.

Fundamental Frequency: 2472.4MHz



Load: 200ml, Voltage: 120V

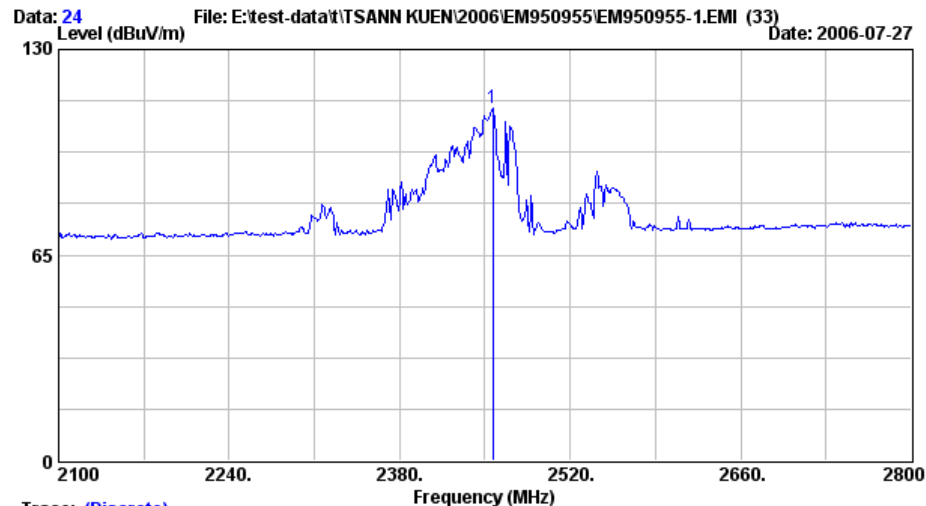


Load: 1000ml, Voltage: 120V

Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 23
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 22°C/41%	Engineer	: Cater Chou
EUT	: Microwave Oven M/N:TSK-M3204MEQ		
Power Rating	: 120Vac/60Hz		
Test Mode	: POWER(HI)		

1000 milliliters of waters in the beaker
located in the center of the oven

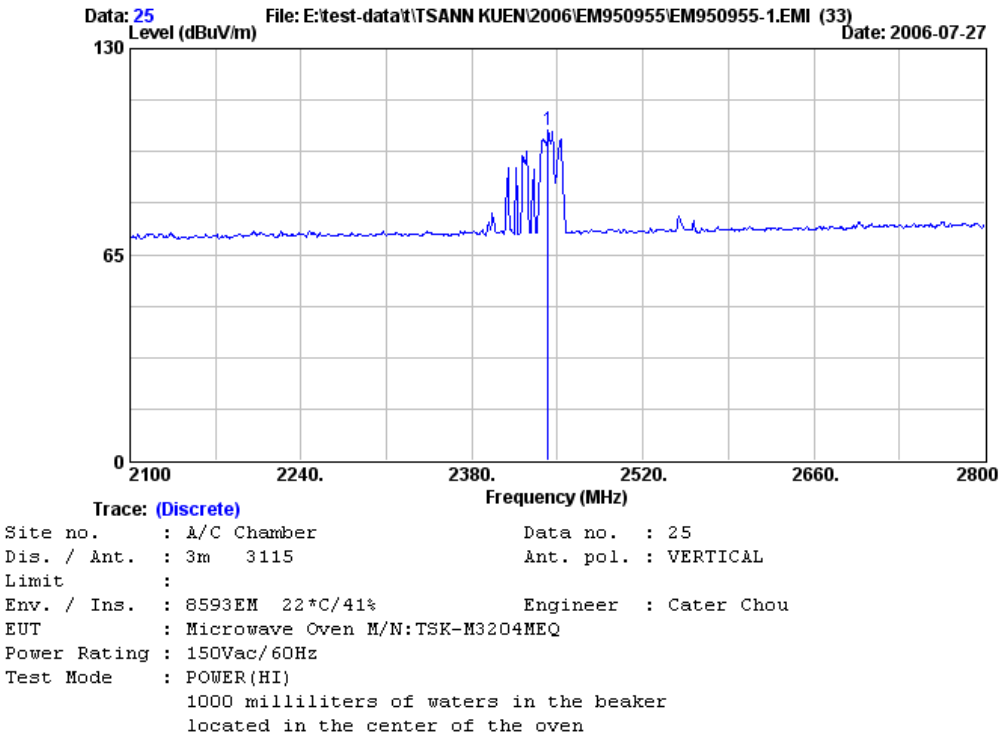
Voltage Variation: 80%, Voltage: 96V, Load: 1000ml

Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 24
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	:		
Env. / Ins.	: 8593EM 22°C/41%	Engineer	: Cater Chou
EUT	: Microwave Oven M/N:TSK-M3204MEQ		
Power Rating	: 96Vac/60Hz		
Test Mode	: POWER(HI)		

1000 milliliters of waters in the beaker
located in the center of the oven

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



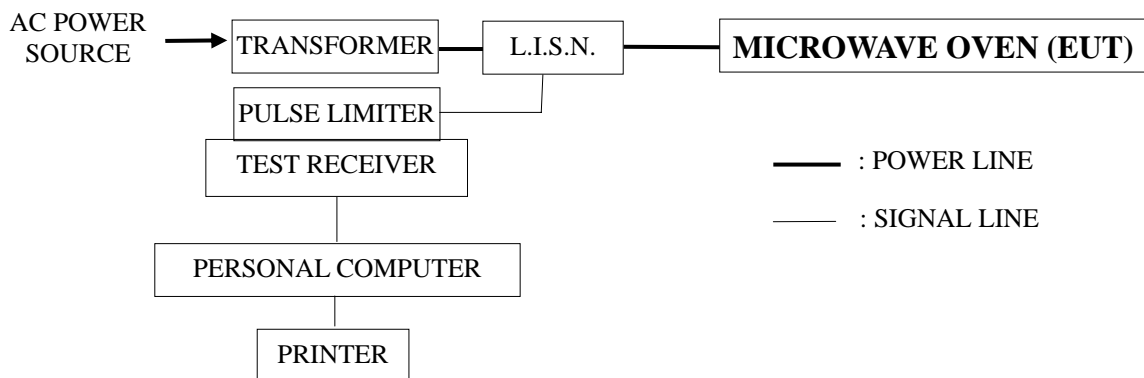
6. CONDUCTED EMISSION MEASUREMENT

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	Sep. 27, 05'	Sep. 26, 06'
2.	L.I.S.N.	Kyoritsu	KNW-407	8-855-9	Apr. 19, 06'	Apr. 18, 07'
3.	Pulse Limiter	R&S	ESH3Z2	001	Mar. 11, 06'	Mar. 10, 07'

6.2. Test Setup



6.3. Conduction Limits [18.307(b)]

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

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

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

6.4. Operating Condition of EUT

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

6.5. Test Procedure

The EUT was put on table which was above the ground by 80cm and its power cord was connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provided a 50 ohm coupling impedance for the measuring equipment. (Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions simulators of the interface cables were manipulated according to FCC PART 18 during conducted measurement.

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

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

6.6. Conducted Emission Measurement Results

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

The EUT [Microwave Oven, M/N: (1)TSK-M3204ME (2)TSK-M3204MEQ] with following test modes were performed during this section testing and selected two worst test modes [**Mode 1 & 10**] to read Q.P. values, all the test results are attached in next pages. (**the worst test mode**)

Test Date : Jul. 28, 2006 Temperature : 25 Humidity : 40%

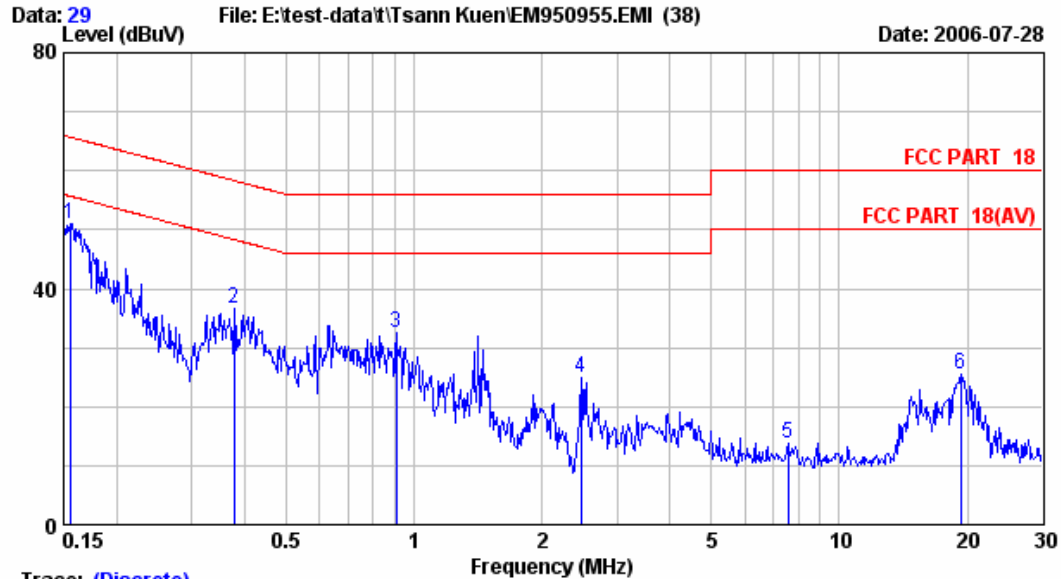
The details of test mode and reference test data are as follows :

NO.	Test Model	Test Mode	Reference Test Data No.	
			Neutral	Line
1.	TSK-M3204ME	Power (Max.)	# 29	# 30
2.		Power (Mid.)	# 28	# 27
3.		Power (Min.)	# 25	# 26
4.		Beverage	# 21	# 22
5.		Pizza	# 24	# 23
6.		Popcorn	# 36	# 35
7.		Defrost	# 37	# 38
8.		Cook (Potato)	# 33	# 34
9.		Reheat (Casserole)	# 32	# 31

NO.	Test Model	Test Mode	Reference Test Data No.	
			Neutral	Line
10.	TSK-M3204MEQ	Power (Max.)	# 13	# 14
11.		Power (Mid.)	# 12	# 11
12.		Power (Min.)	# 9	# 10
13.		Beverage	# 1	# 2
14.		Pizza	# 4	# 3
15.		Popcorn	# 5	# 6
16.		Defrost	# 8	# 7
17.		Cook (Potato)	# 20	# 19
18.		Reheat (Casserole)	# 17	# 18
19.		Combi	# 16	# 15



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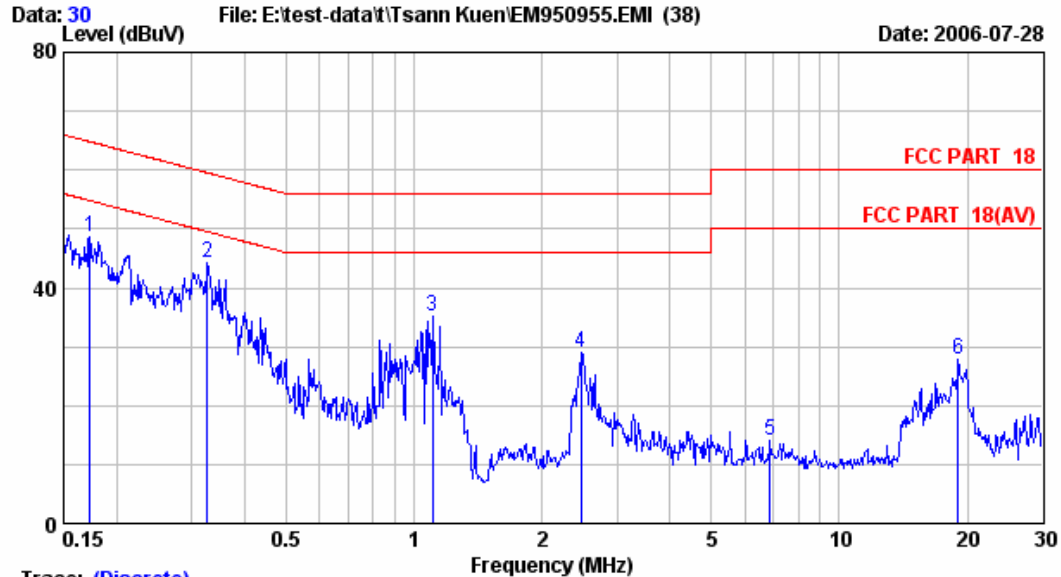
Site : No.2 Shielded room Data : 29
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C,40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N:TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : POWER(MAX)

		LISN	Cable	Emission				
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)	
1	0.156	0.29	0.24	50.43	50.96	65.69	14.74	QP
2	0.377	0.11	0.31	36.22	36.64	58.34	21.70	QP
3	0.909	0.10	0.39	31.96	32.45	56.00	23.55	QP
4	2.474	0.10	0.40	24.39	24.89	56.00	31.11	QP
5	7.566	0.10	0.61	13.05	13.76	60.00	46.24	QP
6	19.326	0.29	0.70	24.53	25.52	60.00	34.48	QP

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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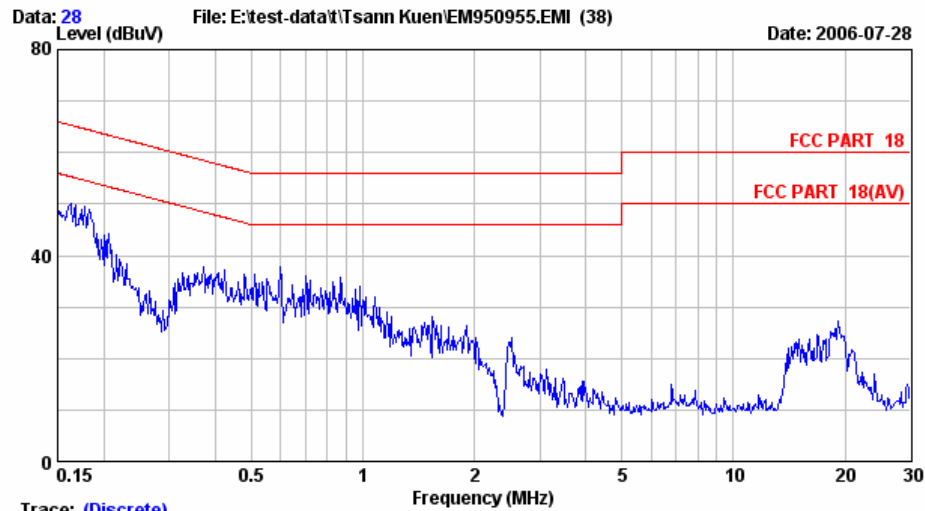
Site : No.2 Shielded room Data : 30
Condition : KHW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C,40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N:TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : POWER(MAX)

		LISN	Cable	Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)		
1	0.173	0.25	0.25	48.24	48.74	64.81	16.07	QP
2	0.327	0.13	0.30	43.86	44.29	59.53	15.24	QP
3	1.106	0.10	0.40	34.61	35.11	56.00	20.89	QP
4	2.474	0.10	0.40	28.47	28.97	56.00	27.03	QP
5	6.878	0.16	0.58	13.45	14.19	60.00	45.81	QP
6	19.021	0.28	0.70	26.97	27.95	60.00	32.05	QP

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.



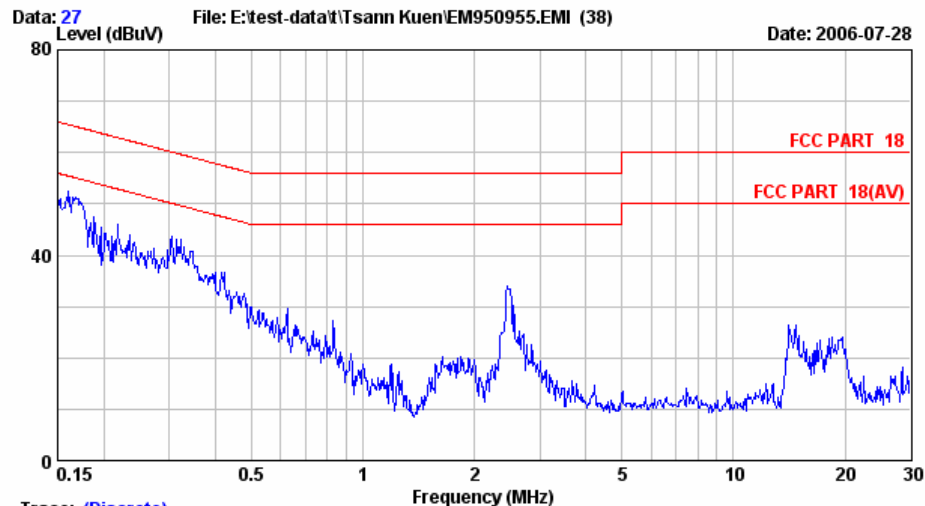
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Site : No.2 Shielded room Data : 28
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C,40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N:TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : POWER(MID)



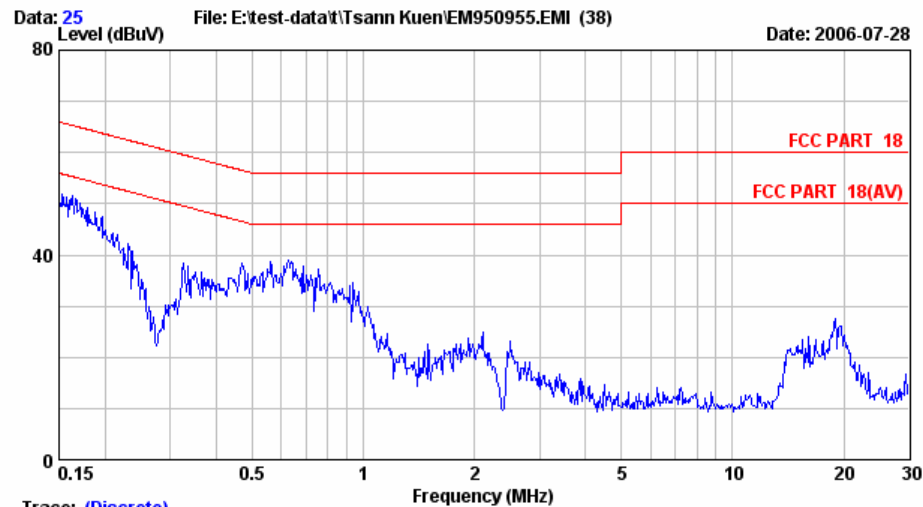
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Site : No.2 Shielded room Data : 27
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C,40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N:TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : POWER(MID)



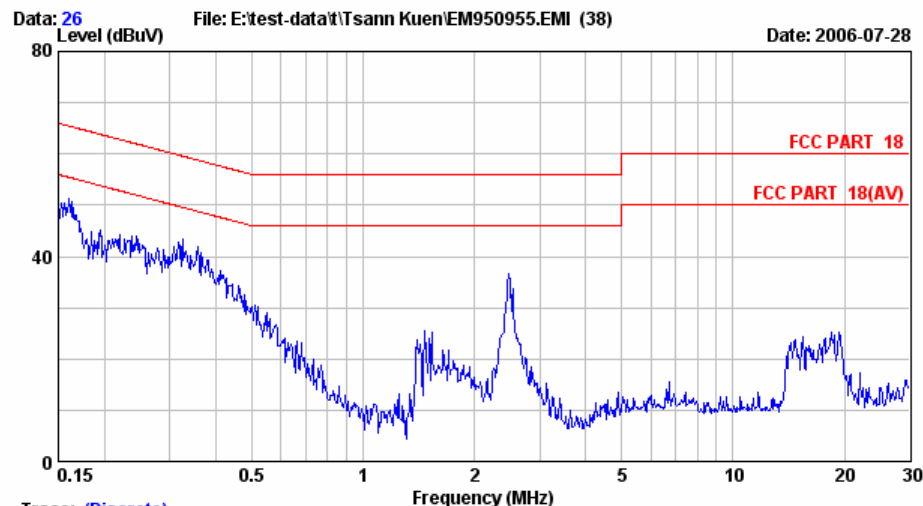
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Site : No.2 Shielded room Data : 25
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C,40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N:TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : POWER(MIN)



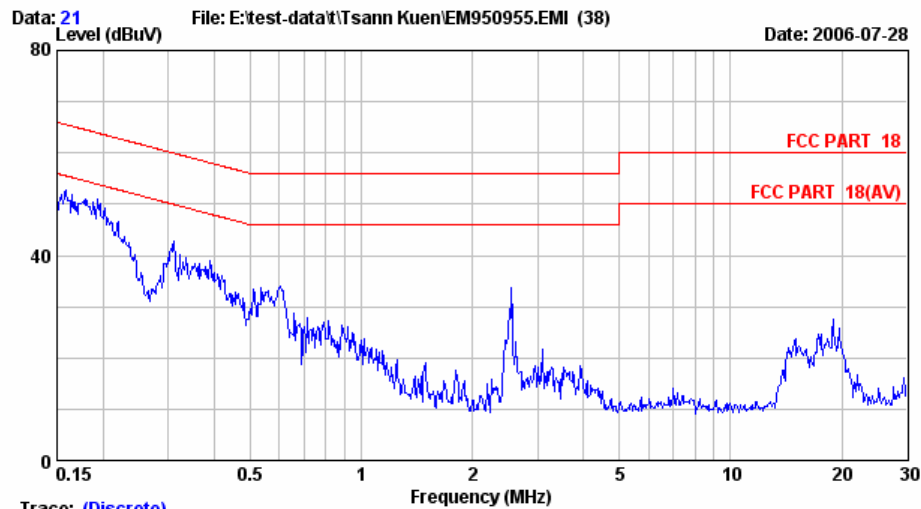
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Site : No.2 Shielded room Data : 26
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C,40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N:TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : POWER(MIN)



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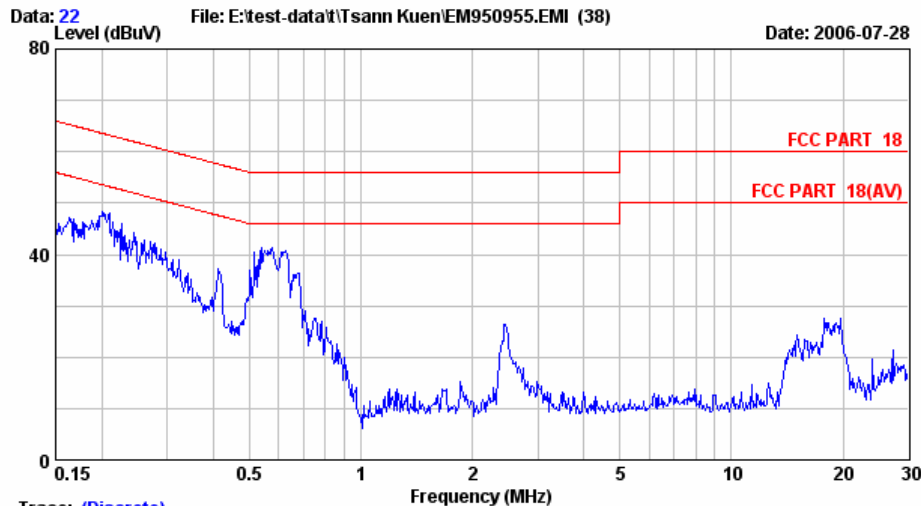


Trace: (Discrete)

Site	: No.2 Shielded room	Data	: 21
Condition	: KNW-407	Phase	: NEUTRAL
Limit	: FCC PART 18		
Env. / Ins.	: 25°C, 40% / ESCS 30	Engineer:	Ada Huang
EUT	: Microwave Oven M/N: TSK-M3204ME		
Power Rating	: 120Vac/60Hz		
Test Mode	: BEVERAGE		



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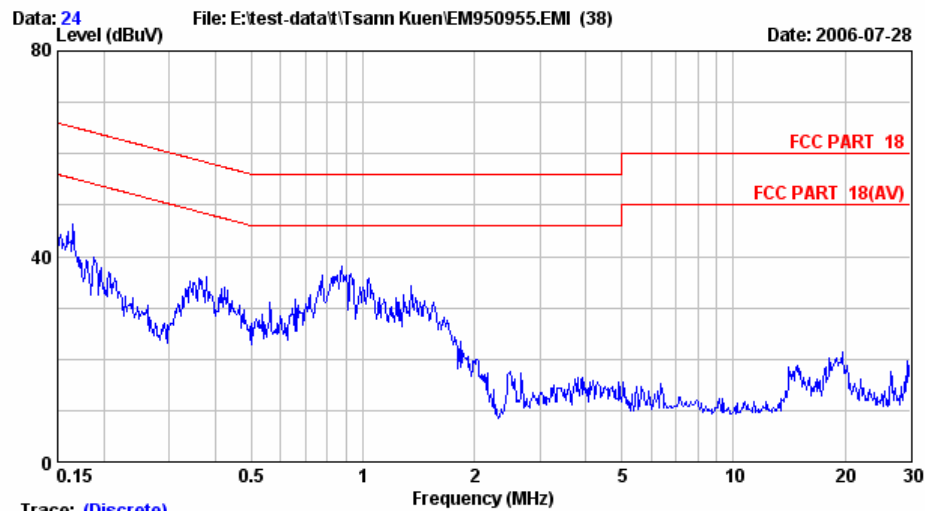


Trace: (Discrete)

Site	: No.2 Shielded room	Data	: 22
Condition	: KNW-407	Phase	: LINE
Limit	: FCC PART 18		
Env. / Ins.	: 25°C, 40% / ESCS 30	Engineer:	Ada Huang
EUT	: Microwave Oven M/N: TSK-M3204ME		
Power Rating	: 120Vac/60Hz		
Test Mode	: BEVERAGE		



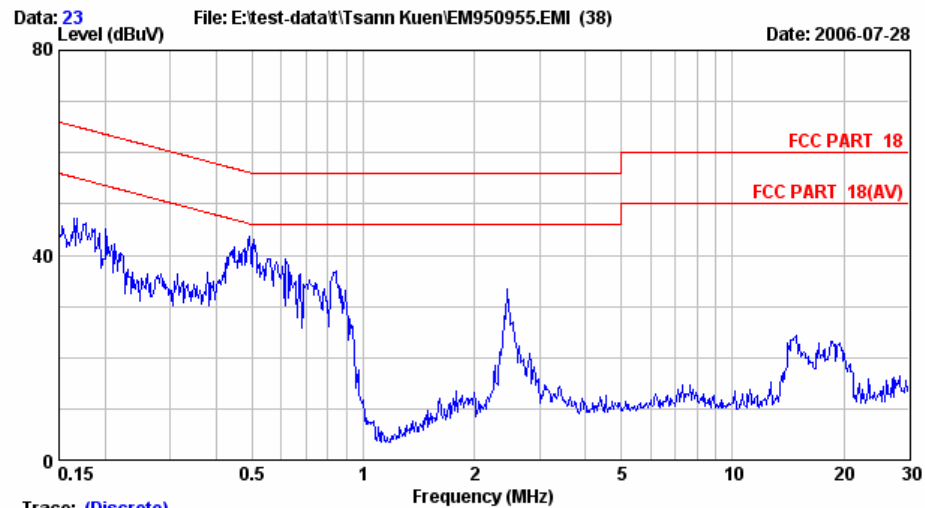
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Site : No.2 Shielded room Data : 24
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C, 40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : PIZZA



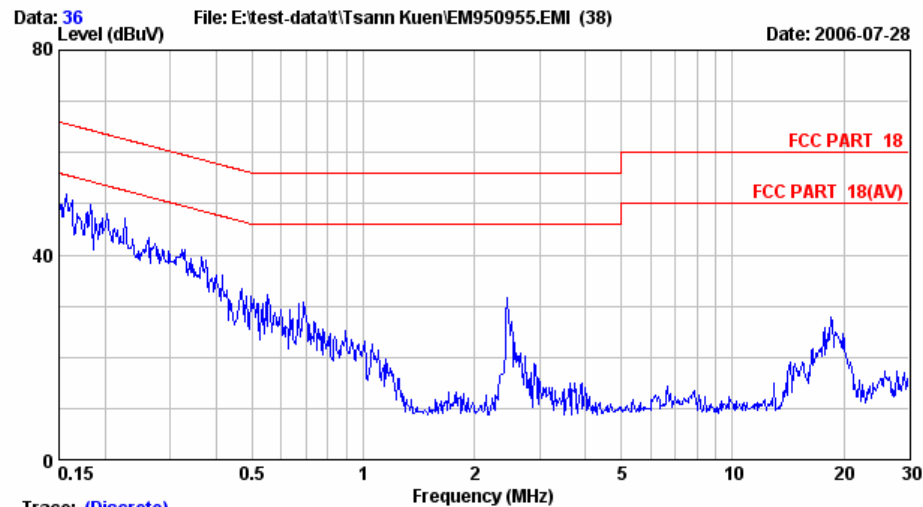
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Site : No.2 Shielded room Data : 23
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C, 40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : PIZZA



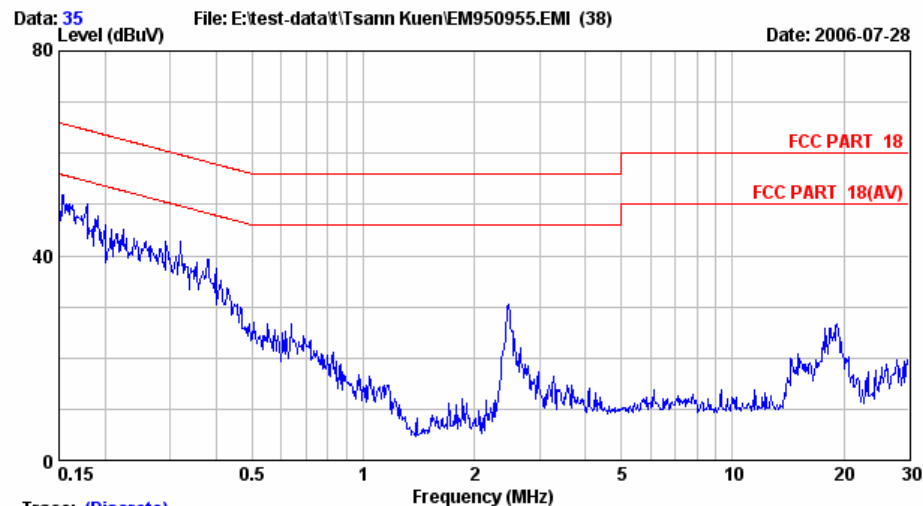
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Site : No.2 Shielded room Data : 36
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C,40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N:TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : POPCORN



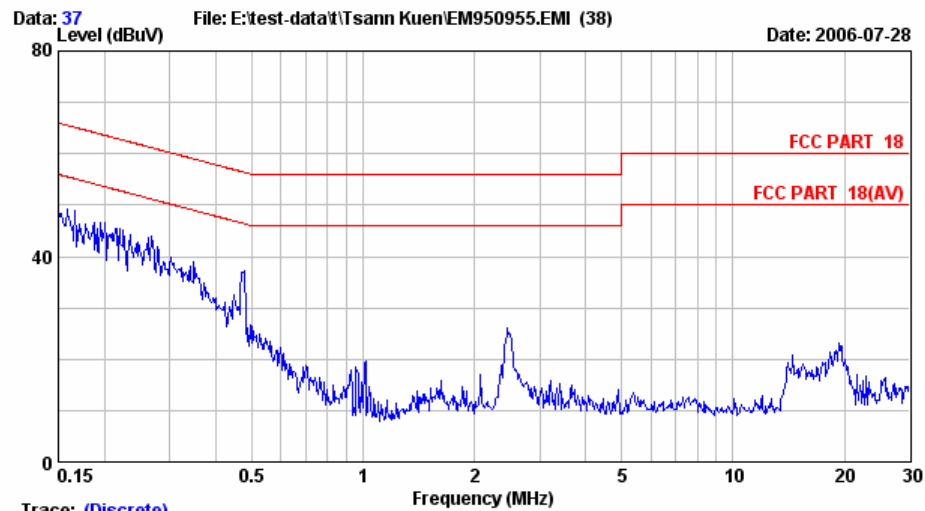
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Site : No.2 Shielded room Data : 35
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C,40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N:TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : POPCORN



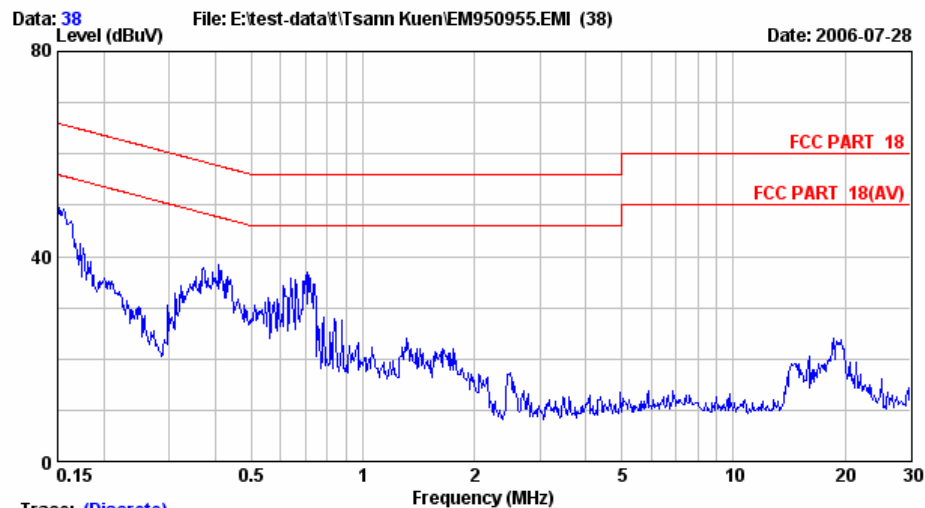
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Site : No.2 Shielded room Data : 37
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C, 40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : DEFROST



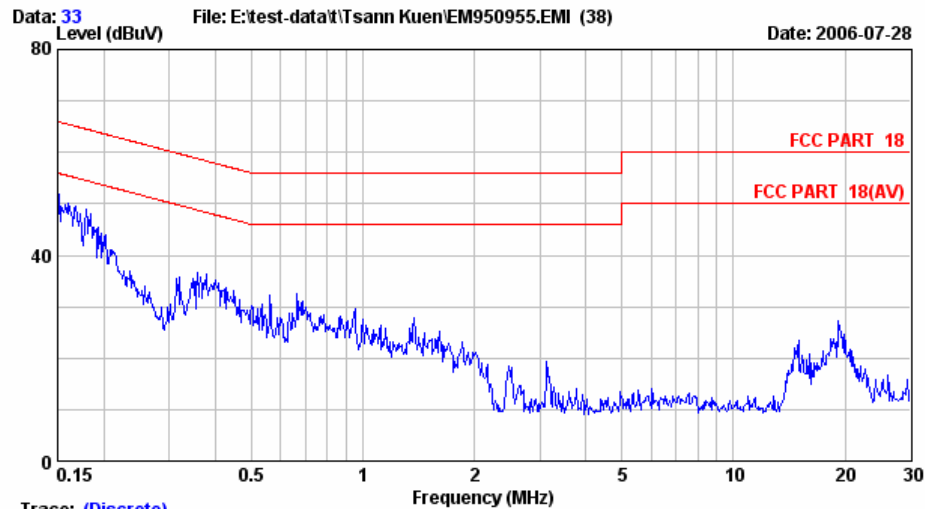
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Site : No.2 Shielded room Data : 38
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C, 40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : DEFROST



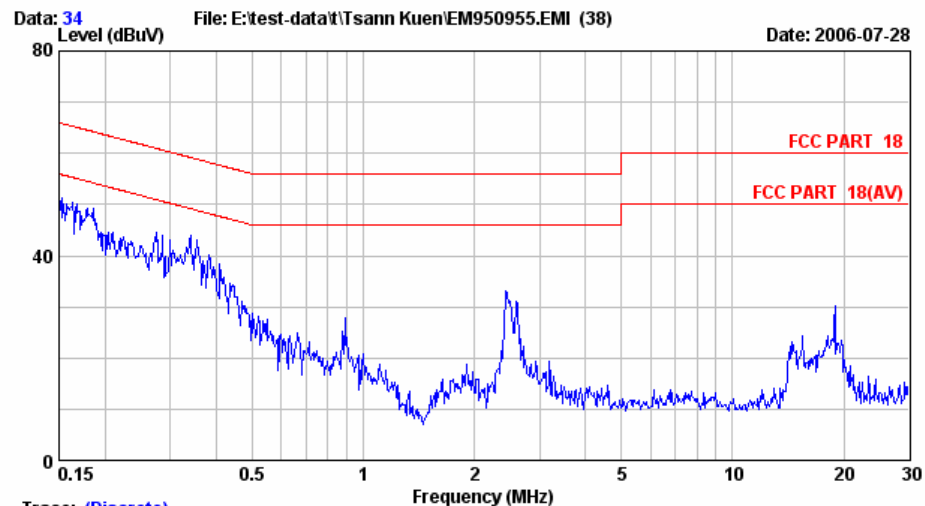
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Site : No.2 Shielded room Data : 33
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C, 40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : COOK(POTATO)



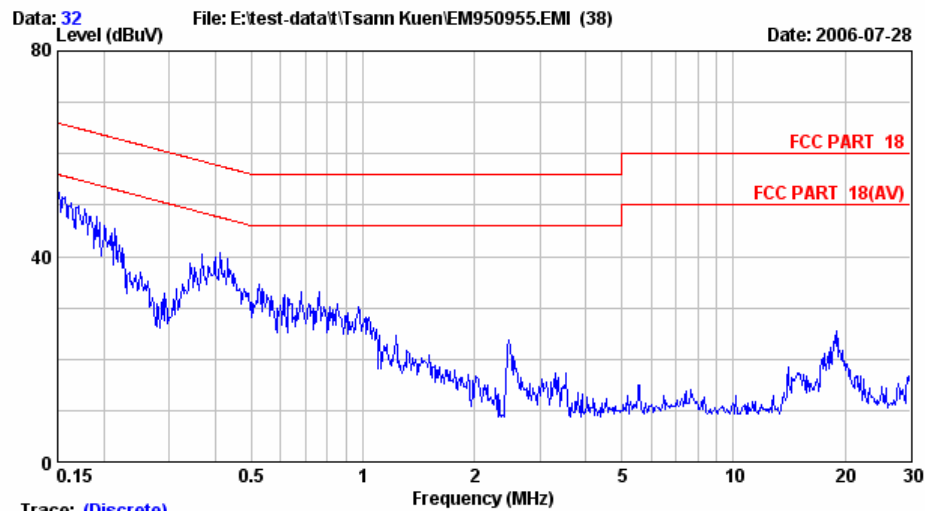
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Site : No.2 Shielded room Data : 34
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C, 40% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : COOK(POTATO)



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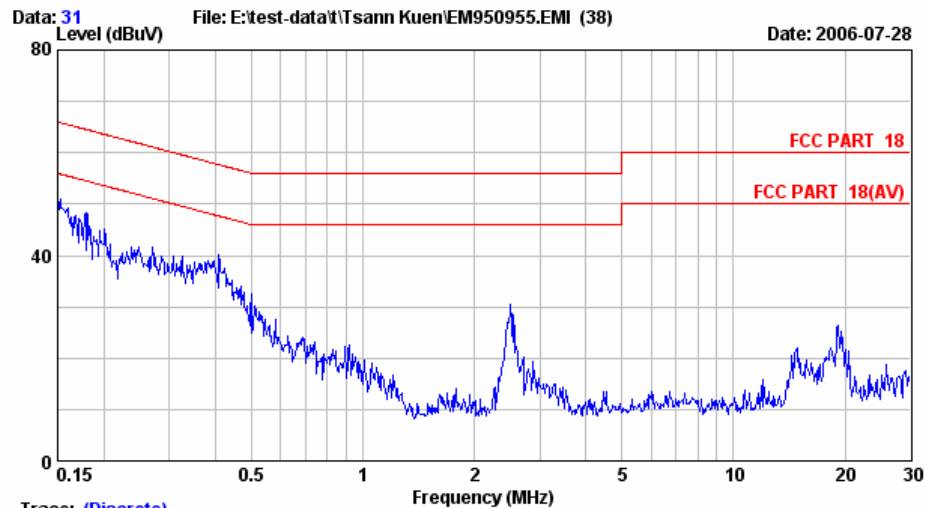


Trace: (Discrete)

Site	: No.2 Shielded room	Data	: 32
Condition	: KNW-407	Phase	: NEUTRAL
Limit	: FCC PART 18		
Env. / Ins.	: 25°C, 40% / ESCS 30	Engineer:	Ada Huang
EUT	: Microwave Oven M/N: TSK-M3204ME		
Power Rating	: 120Vac/60Hz		
Test Mode	: REHEAT(CASSEROLE)		



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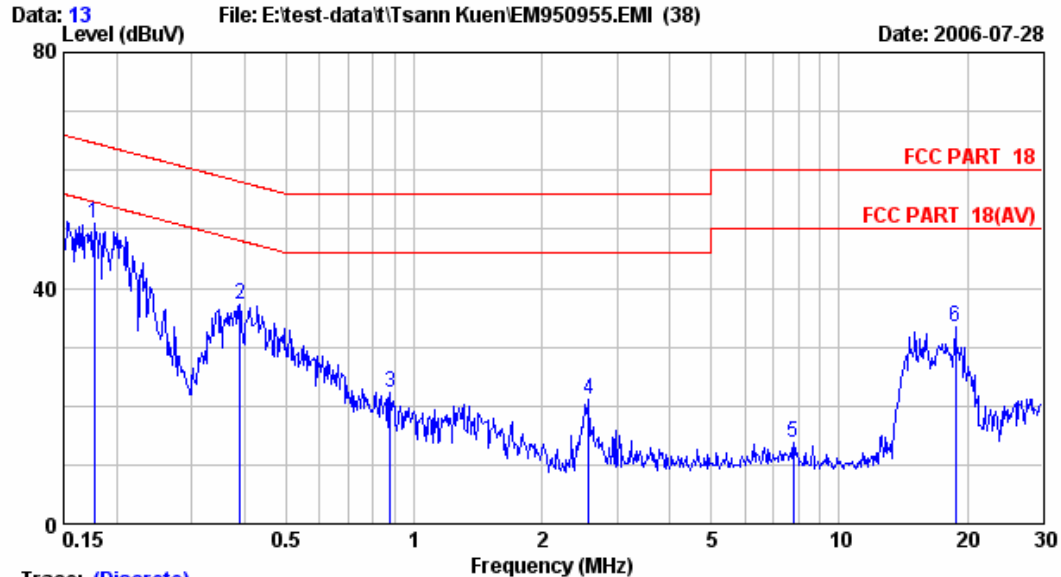


Trace: (Discrete)

Site	: No.2 Shielded room	Data	: 31
Condition	: KNW-407	Phase	: LINE
Limit	: FCC PART 18		
Env. / Ins.	: 25°C, 40% / ESCS 30	Engineer:	Ada Huang
EUT	: Microwave Oven M/N: TSK-M3204ME		
Power Rating	: 120Vac/60Hz		
Test Mode	: REHEAT(CASSEROLE)		



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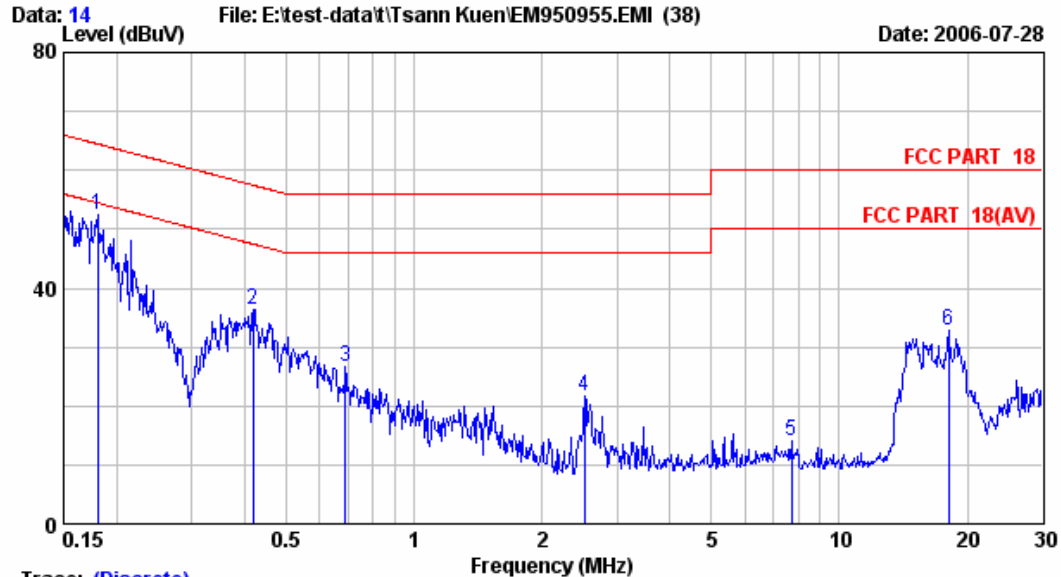
Site : No.2 Shielded room Data : 13
Condition : KHW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C,43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N:TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : POWER(MAX)

		LISN	Cable	Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)		
1	0.177	0.24	0.25	50.51	51.00	64.64	13.63	QP
2	0.389	0.10	0.32	36.82	37.24	58.08	20.84	QP
3	0.880	0.10	0.39	21.84	22.33	56.00	33.67	QP
4	2.581	0.10	0.40	20.64	21.14	56.00	34.86	QP
5	7.810	0.10	0.62	12.92	13.64	60.00	46.36	QP
6	18.721	0.28	0.70	32.41	33.39	60.00	26.61	QP

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)

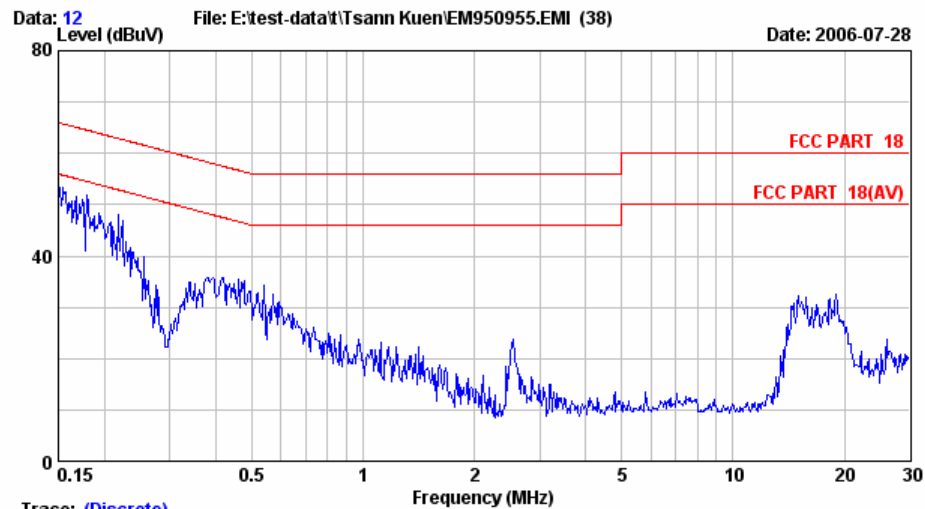
Site	: No.2 Shielded room	Data	: 14
Condition	: KHW-407	Phase	: LINE
Limit	: FCC PART 18		
Env. / Ins.	: 25°C,43% / ESCS 30	Engineer:	Ada Huang
EUT	: Microwave Oven M/N:TSK-M3204MEQ		
Power Rating	: 120Vac/60Hz		
Test Mode	: POWER(MAX)		

		LISN	Cable	Emission				
Freq.		Factor	Loss	Reading	Level	Limits	Margin	Remark
(MHz)		(dB)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)	
1	0.181	0.24	0.25	52.03	52.51	64.46	11.95	QP
2	0.419	0.10	0.32	36.01	36.43	57.46	21.03	QP
3	0.690	0.10	0.37	26.23	26.70	56.00	29.30	QP
4	2.513	0.10	0.40	21.16	21.66	56.00	34.34	QP
5	7.728	0.17	0.62	13.22	14.01	60.00	45.99	QP
6	18.039	0.26	0.70	31.86	32.82	60.00	27.18	QP

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.



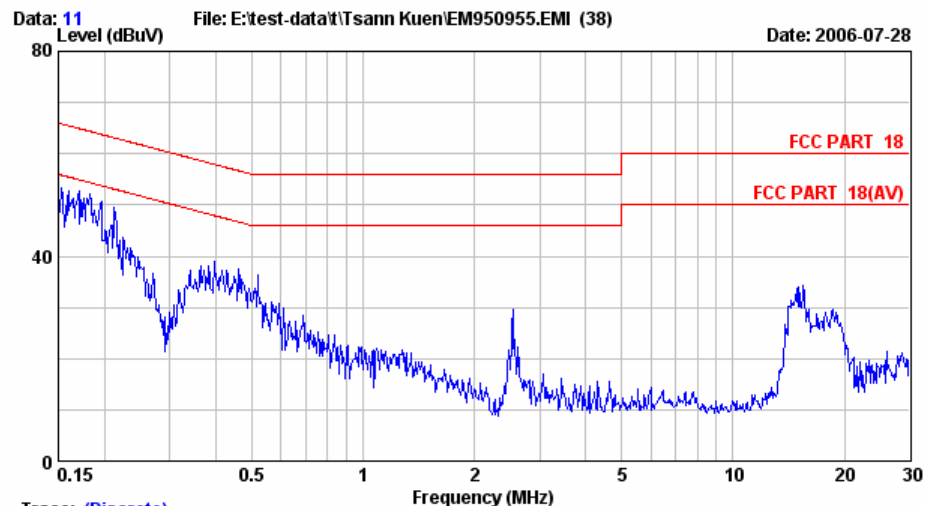
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Site : No.2 Shielded room Data : 12
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C, 43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : POWER(MID)



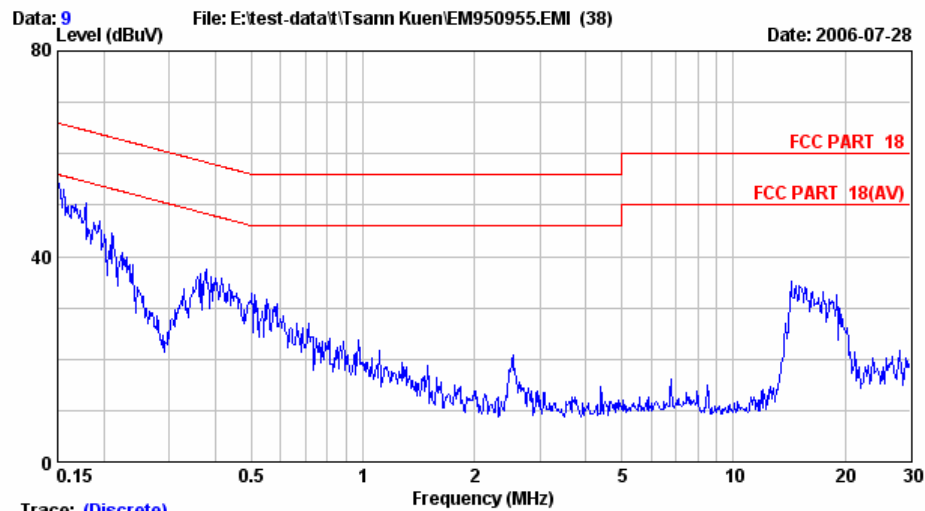
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Site : No.2 Shielded room Data : 11
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C, 43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : POWER(MID)



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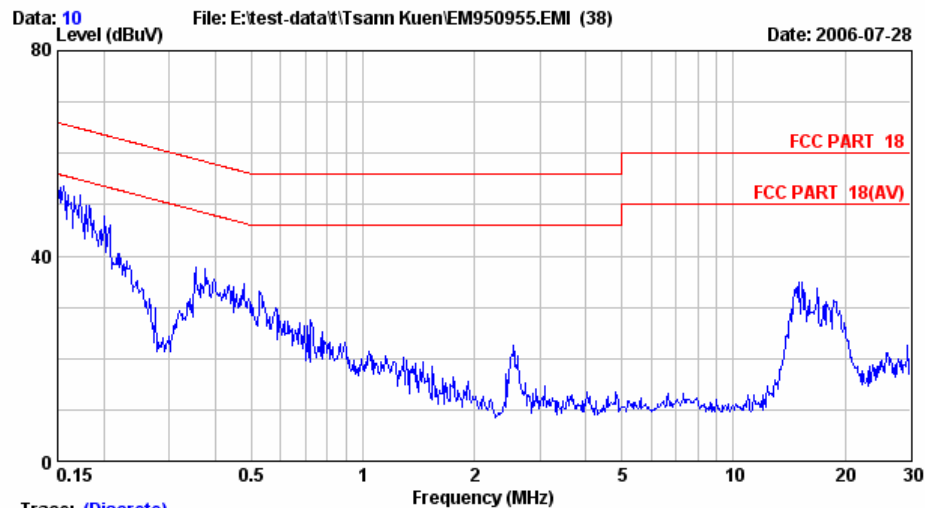


Trace: (Discrete)

Site	: No.2 Shielded room	Data	: 9
Condition	: KNW-407	Phase	: NEUTRAL
Limit	: FCC PART 18		
Env. / Ins.	: 25°C, 43% / ESCS 30	Engineer:	Ada Huang
EUT	: Microwave Oven M/N: TSK-M3204MEQ		
Power Rating	: 120Vac/60Hz		
Test Mode	: POWER(MIN)		



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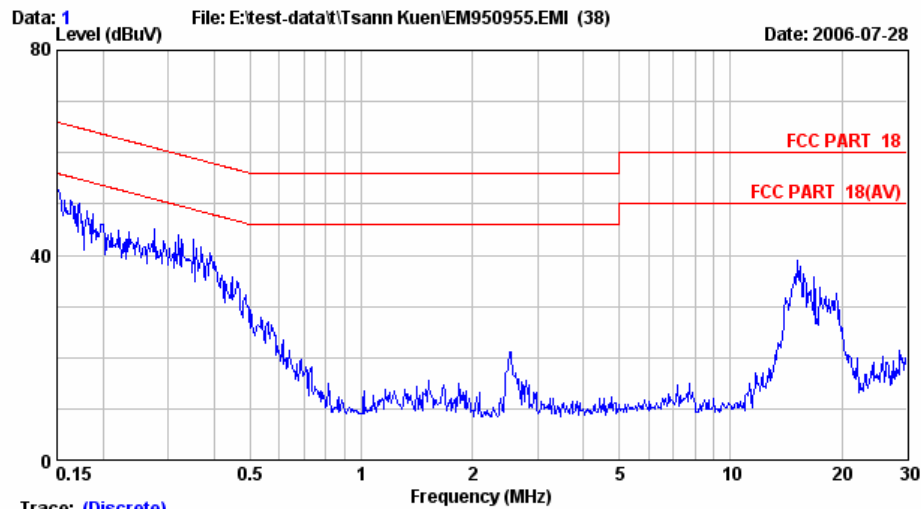


Trace: (Discrete)

Site	: No.2 Shielded room	Data	: 10
Condition	: KNW-407	Phase	: LINE
Limit	: FCC PART 18		
Env. / Ins.	: 25°C, 43% / ESCS 30	Engineer:	Ada Huang
EUT	: Microwave Oven M/N: TSK-M3204MEQ		
Power Rating	: 120Vac/60Hz		
Test Mode	: POWER(MIN)		



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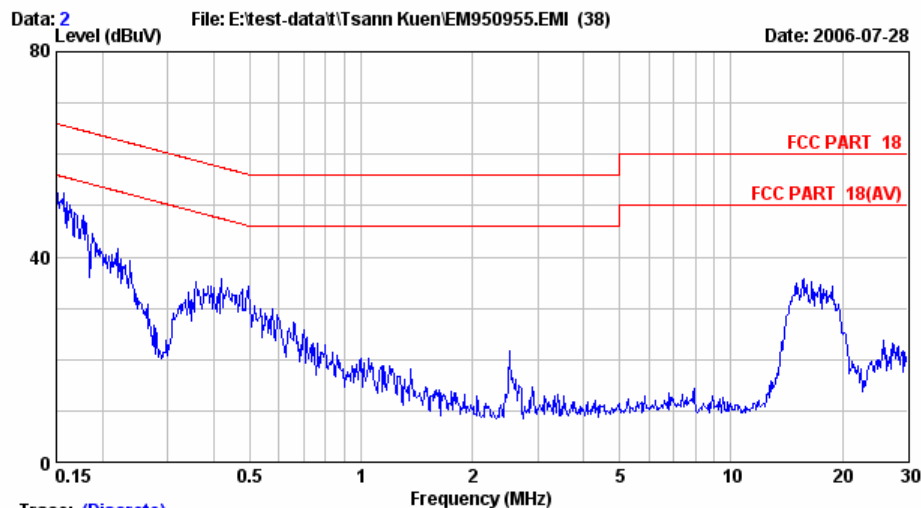


Trace: (Discrete)

Site	: No.2 Shielded room	Data	: 1
Condition	: KNW-407	Phase	: NEUTRAL
Limit	: FCC PART 18		
Env. / Ins.	: 25°C, 43% / ESCS 30	Engineer:	Ada Huang
EUT	: Microwave Oven M/N: TSK-M3204MEQ		
Power Rating	: 120Vac/60Hz		
Test Mode	: BEVERAGE		



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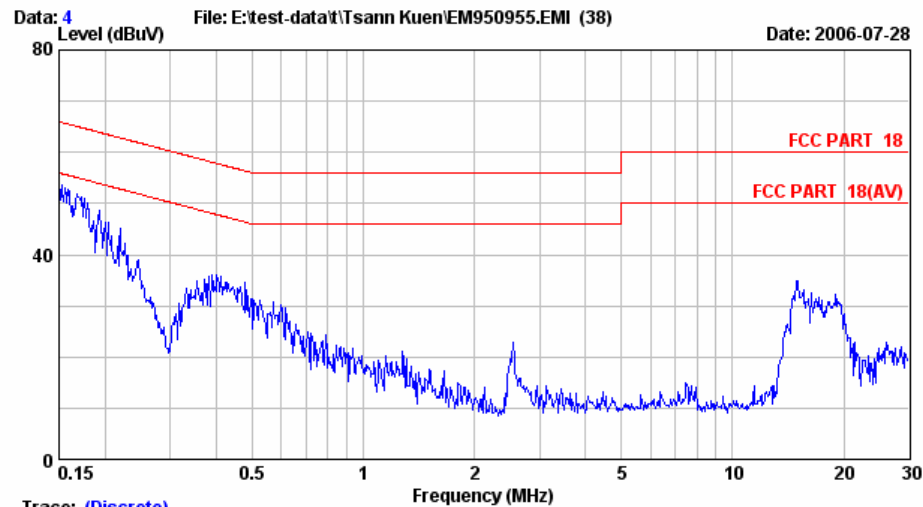


Trace: (Discrete)

Site	: No.2 Shielded room	Data	: 2
Condition	: KNW-407	Phase	: LINE
Limit	: FCC PART 18		
Env. / Ins.	: 25°C, 43% / ESCS 30	Engineer:	Ada Huang
EUT	: Microwave Oven M/N: TSK-M3204MEQ		
Power Rating	: 120Vac/60Hz		
Test Mode	: BEVERAGE		



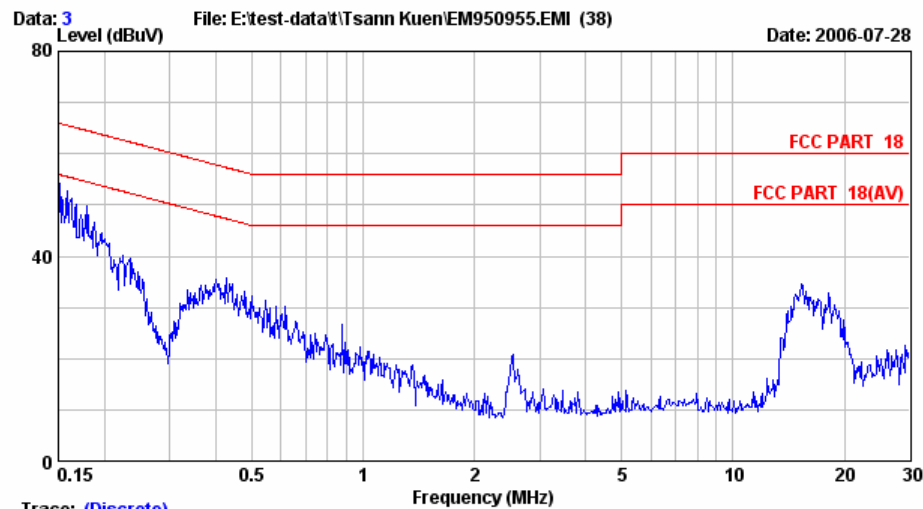
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Site : No.2 Shielded room Data : 4
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C,43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N:TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : PIZZA



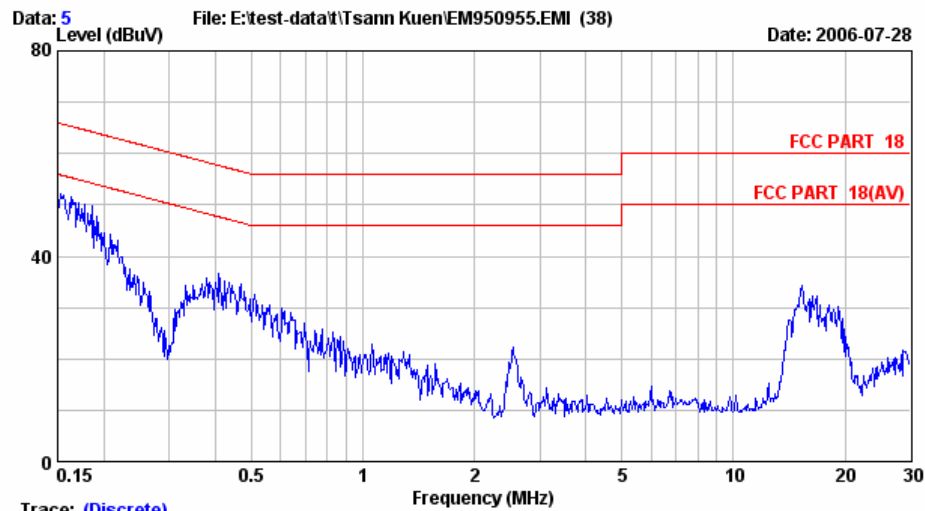
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Site : No.2 Shielded room Data : 3
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C,43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N:TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : PIZZA



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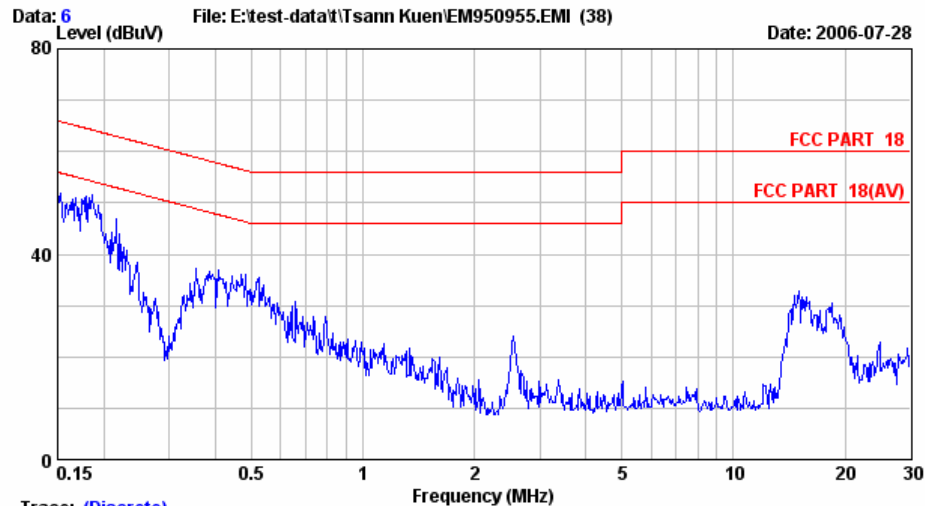


Trace: (Discrete)

Site	: No.2 Shielded room	Data	: 5
Condition	: KNW-407	Phase	: NEUTRAL
Limit	: FCC PART 18		
Env. / Ins.	: 25°C, 43% / ESCS 30	Engineer:	Ada Huang
EUT	: Microwave Oven M/N: TSK-M3204MEQ		
Power Rating	: 120Vac/60Hz		
Test Mode	: POPCORN		



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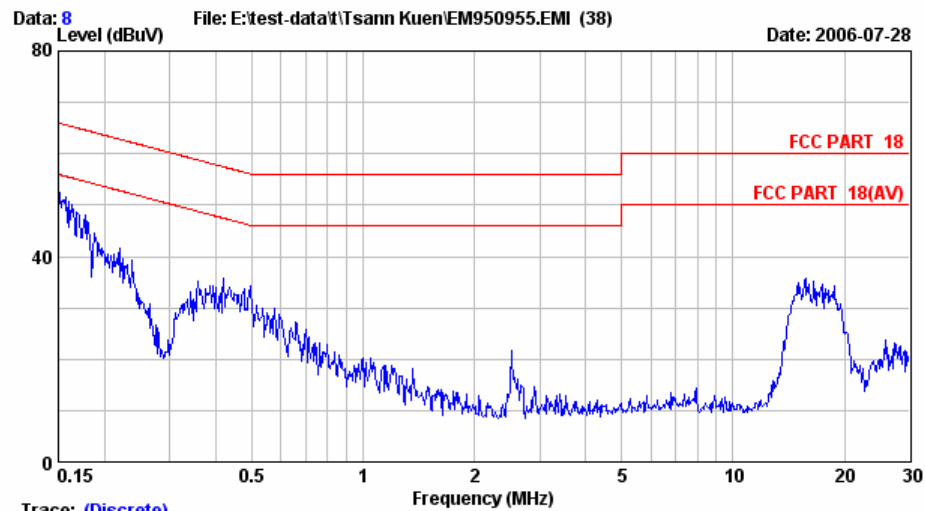


Trace: (Discrete)

Site	: No.2 Shielded room	Data	: 6
Condition	: KNW-407	Phase	: LINE
Limit	: FCC PART 18		
Env. / Ins.	: 25°C, 43% / ESCS 30	Engineer:	Ada Huang
EUT	: Microwave Oven M/N: TSK-M3204MEQ		
Power Rating	: 120Vac/60Hz		
Test Mode	: POPCORN		



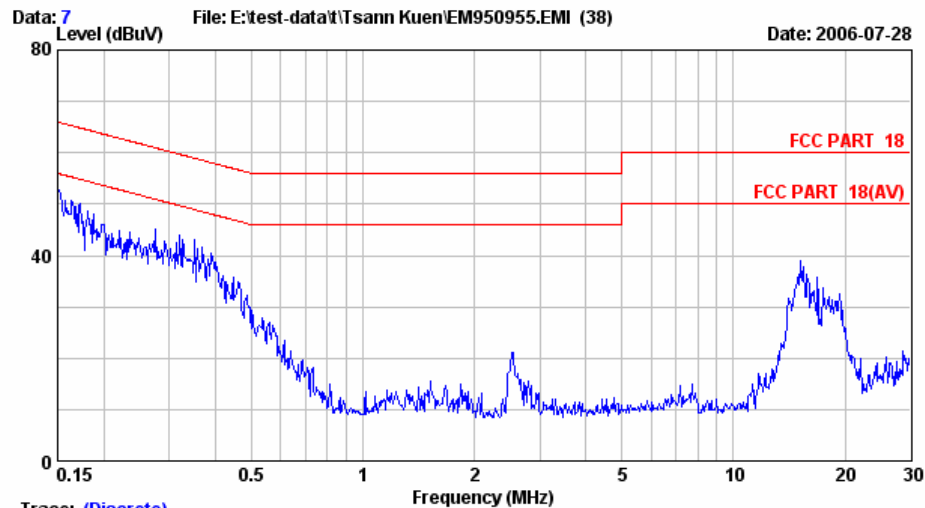
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Site : No.2 Shielded room Data : 8
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C, 43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : DEFROST



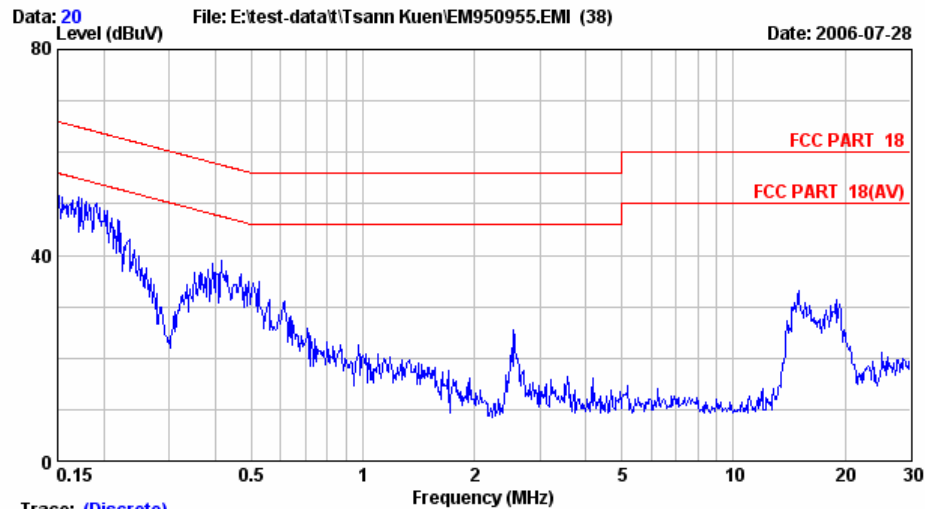
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Site : No.2 Shielded room Data : 7
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C, 43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : DEFROST



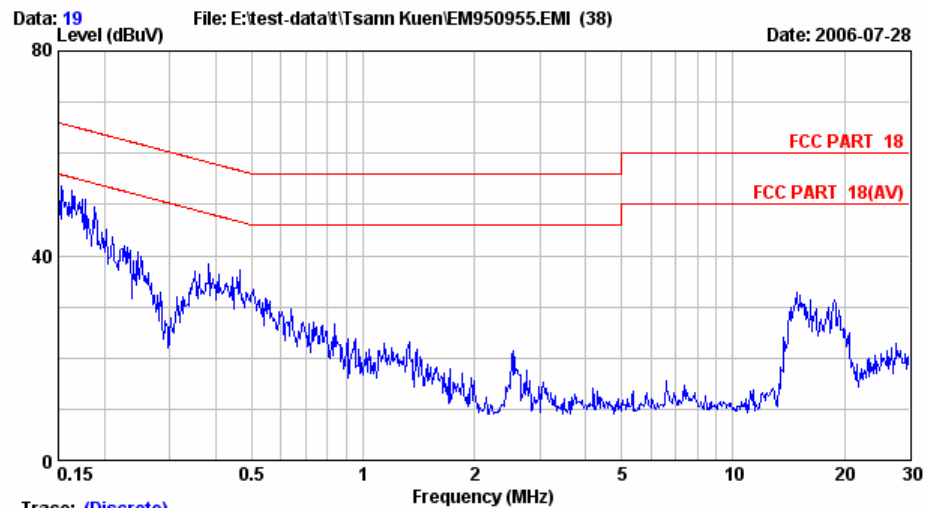
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Site : No.2 Shielded room Data : 20
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C, 43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : COOK(POTATO)



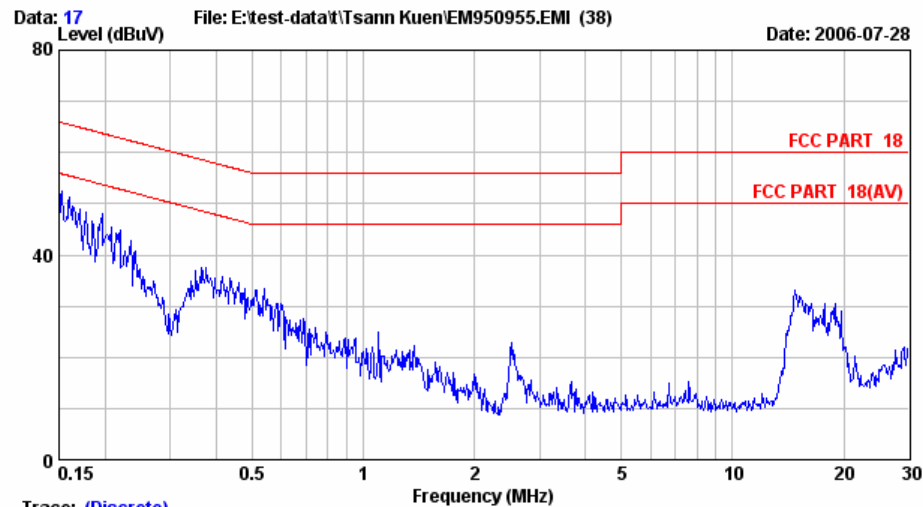
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Site : No.2 Shielded room Data : 19
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C, 43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : COOK(POTATO)



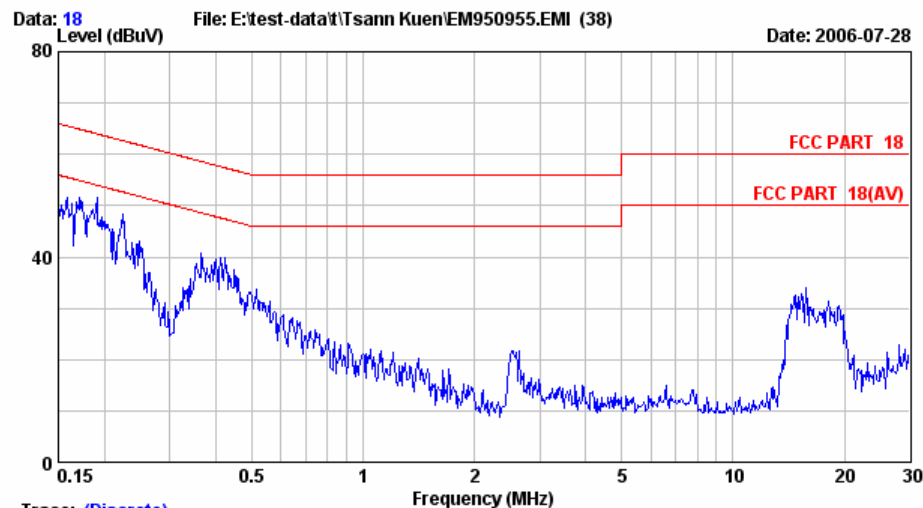
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Site : No.2 Shielded room Data : 17
Condition : KMW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C, 43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : REHEAT(CASSEROLE)



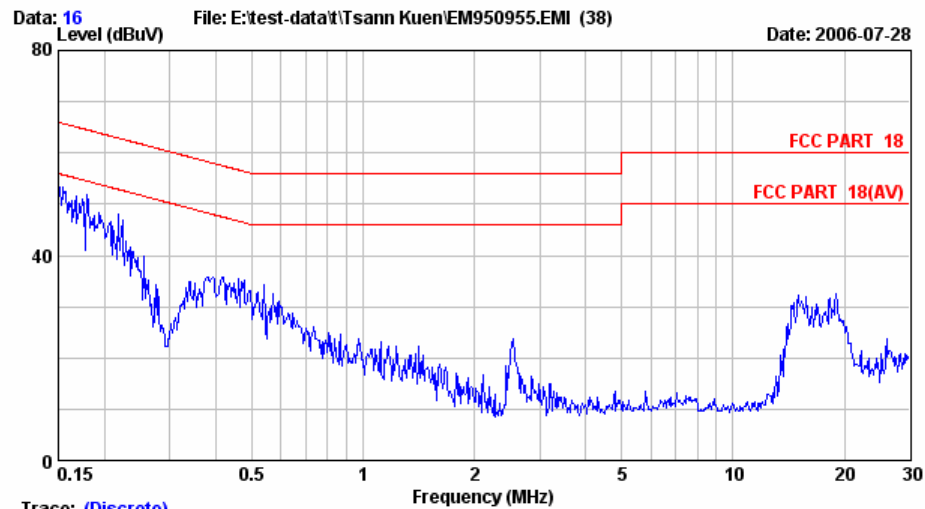
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Site : No.2 Shielded room Data : 18
Condition : KMW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C, 43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : REHEAT(CASSEROLE)



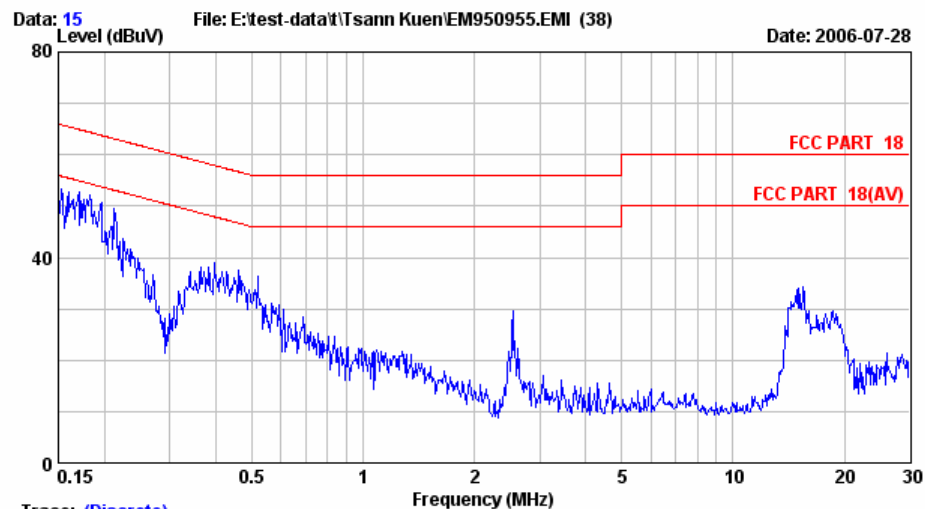
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Site : No.2 Shielded room Data : 16
Condition : KNW-407 Phase : NEUTRAL
Limit : FCC PART 18
Env. / Ins. : 25°C, 43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : COMBI



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Site : No.2 Shielded room Data : 15
Condition : KNW-407 Phase : LINE
Limit : FCC PART 18
Env. / Ins. : 25°C, 43% / ESCS 30 Engineer: Ada Huang
EUT : Microwave Oven M/N: TSK-M3204MEQ
Power Rating : 120Vac/60Hz
Test Mode : COMBI

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	Sep. 26, 05'	Sep. 25, 06'
2.	Pre-Amplifier	HP	8447D	2944A06305	Mar. 09, 06'	Mar. 08, 07'
3.	Biconical Antenna	CHASE	VBA6106A	1264	Nov.11, 05'	Nov.10, 06'
4.	Log Periodic Antenna	Schwarzbeck	UHALP9108-A	0139	Nov. 19, 05'	Nov. 19, 06'

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

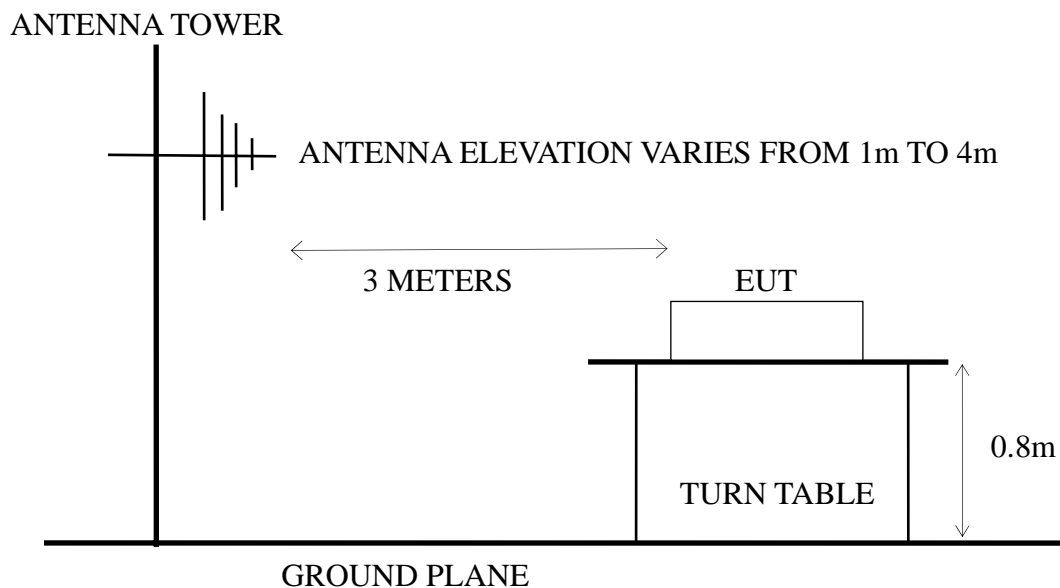
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00248	Sep. 26, 05'	Sep. 25, 06'
2.	Pre-Amplifier	HP	8449B	3008A01284	Jun. 30, 06'	Jun. 29, 07'
3.	Horn Antenna	EMCO	3115	9112-3775	Jun. 01, 06'	May 31, 07'
4.	For Above 3.5GHz -High Pass Filter	HP	84300-80038	005	Jan. 13, 06'	Jan. 12, 07'

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

The radiated limits of the [Microwave Oven, M/N : TSK-M3204ME] are complied with FCC CFR Title 47 Part 18 Subpart C & MP-5. The limits are calculated as below:

Calculated formula:

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

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

$$\text{Power Output} = 647.5\text{W}$$

$$\text{Limit } (E_{300m}) = 25 * (647.5 / 500)^{1/2} (\mu\text{V/m}) = 28.4495 (\mu\text{V/m})$$

$$E_{3m} = 28.4495 / 6.2335 * 10^{-3} = 4563.9175 (\mu\text{V/m})$$

$$20\log(4563.9175) = 73.186 (\text{dB}\mu\text{V/m})$$

The radiated limits of the [Microwave Oven, M/N : TSK-M3204MEQ] are complied with FCC CFR Title 47 Part 18 Subpart C & MP-5. The limits are calculated as below:

Calculated formula:

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

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

$$\text{Power Output} = 752.5\text{W}$$

$$\text{Limit } (E_{300m}) = 25 * (752.5 / 500)^{1/2} (\mu\text{V/m}) = 30.6696 (\mu\text{V/m})$$

$$E_{3m} = 30.6696 / 6.2849 * 10^{-3} = 4879.8234 (\mu\text{V/m})$$

$$20\log(4879.8234) = 73.768 (\text{dB}\mu\text{V/m})$$

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 a 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.

The EUT [Microwave Oven, M/N: (1)TSK-M3204ME (2)TSK-M3204MEQ] with following test modes were measured at Semi-Anechoic Chamber and all the test results are listed in next pages.

Test Date : Jul. 07, 2006 Temperature : 22 Humidity : 41%

Test Date : Jul. 27, 2006 Temperature : 22 Humidity : 41%

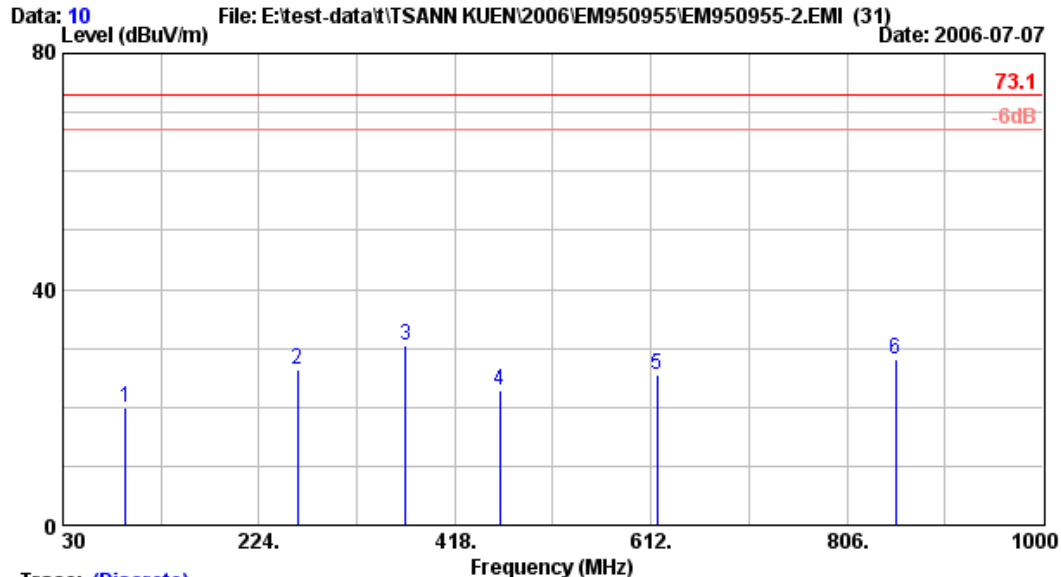
The details of test mode and reference test data are as follows :

NO.	Test Model	Frequency range	Test Mode	Reference Test Data No.	
				Horizontal	Vertical
1.	TSK-M3204ME	Below 1GHz (30MHz-1GHz)	Load: 700ml, Beaker Location: Center Power (Max.)	# 10	# 9
2.			Load: 700ml, Beaker Location: Center Power (Mid.)	# 7	# 8
3.			Load: 700ml, Beaker Location: Center Power (Min.)	# 6	# 5
4.			Load: 700ml, Beaker Location: Center (Beverage)	# 18	# 17
5.			Load: 700ml, Beaker Location: Center (Pizza)	# 16	# 15
6.			Load: 700ml, Beaker Location: Center (Popcorn)	# 14	# 13
7.			Load: 700ml, Beaker Location: Center (Defrost)	# 11	# 12
8.			Load: 700ml, Beaker Location: Center [Cook (Potato)]	# 2	# 1
9.			Load: 700ml, Beaker Location: Center [Reheat (Casserole)]	# 3	# 4
10.		Above 1GHz	Load: 1000ml, Beaker Location: Center Power (Max.)	# 24	# 25
11.		Above 1GHz. (At second and third harmonics)	Load: 700ml, Beaker Location: Right Front Corner Power (Max.)	# 27	# 26
12.			Load: 300ml, Beaker Location: Center Power (Max.)	# 31	# 30
13.			Load: 300ml, Beaker Location: Right Front Corner Power (Max.)	# 28	# 29

NO.	Test Model	Frequency range	Test Mode	Reference Test Data No.	
				Horizontal	Vertical
14.	TSK-M3204MEQ	Below 1GHz (30MHz-1GHz)	Load: 700ml, Beaker Location: Center Power (Max.)	# 11	# 12
15.			Load: 700ml, Beaker Location: Center Power (Mid.)	# 10	# 9
16.			Load: 700ml, Beaker Location: Center Power (Min.)	# 7	# 8
17.			Load: 700ml, Beaker Location: Center (Beverage)	# 20	# 19
18.			Load: 700ml, Beaker Location: Center (Pizza)	# 17	# 18
19.			Load: 700ml, Beaker Location: Center (Popcorn)	# 16	# 15
20.			Load: 700ml, Beaker Location: Center (Defrost)	# 13	# 14
21.			Load: 700ml, Beaker Location: Center [Cook (Potato)]	# 1	# 2
22.			Load: 700ml, Beaker Location: Center [Reheat (Casserole)]	# 3	# 4
23.			Load: 700ml, Beaker Location: Center (Combi)	# 6	# 5
24.		Above 1GHz	Load: 700ml, Beaker Location: Center Power (Max.)	# 27	# 26
25.		Above 1GHz. (At second and third harmonics)	Load: 700ml, Beaker Location: Right Front Corner Power (Max.)	# 28	# 29
26.			Load: 300ml, Beaker Location: Center Power (Max.)	# 32	# 33
27.			Load: 300ml, Beaker Location: Right Front Corner Power (Max.)	# 31	# 30



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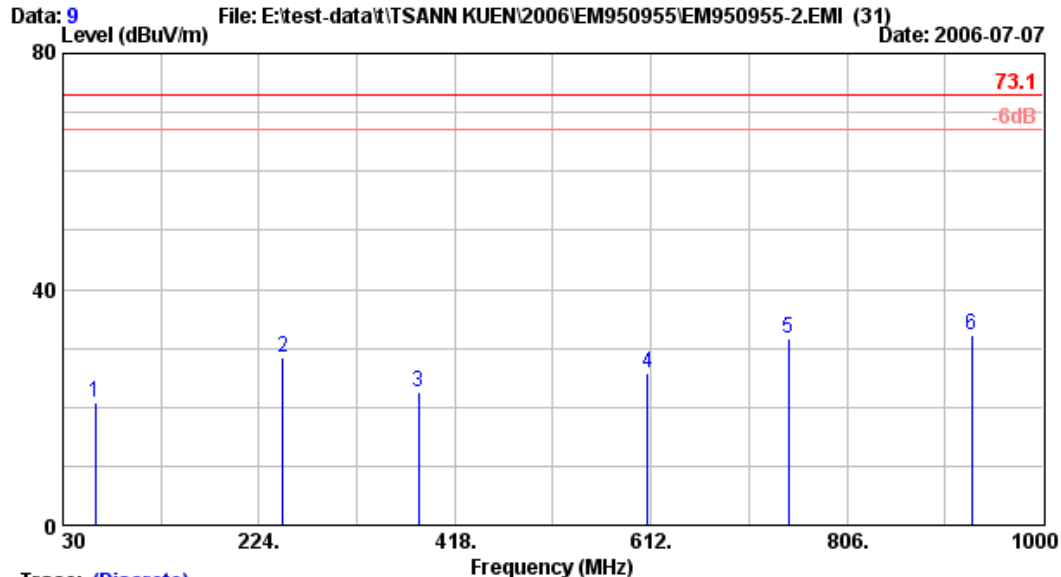
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 Limit : 73.1 dBμV/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : Power(MAX)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	
1	92.080	16.08	2.00	1.91	19.98	73.10	53.12	QP
2	261.830	24.57	3.60	-1.70	26.47	73.10	46.63	QP
3	369.500	16.93	4.60	9.09	30.62	73.10	42.48	QP
4	462.620	17.99	5.70	-0.91	22.79	73.10	50.31	QP
5	617.820	21.32	6.30	-2.10	25.52	73.10	47.58	QP
6	854.500	25.81	7.10	-4.80	28.11	73.10	44.99	QP

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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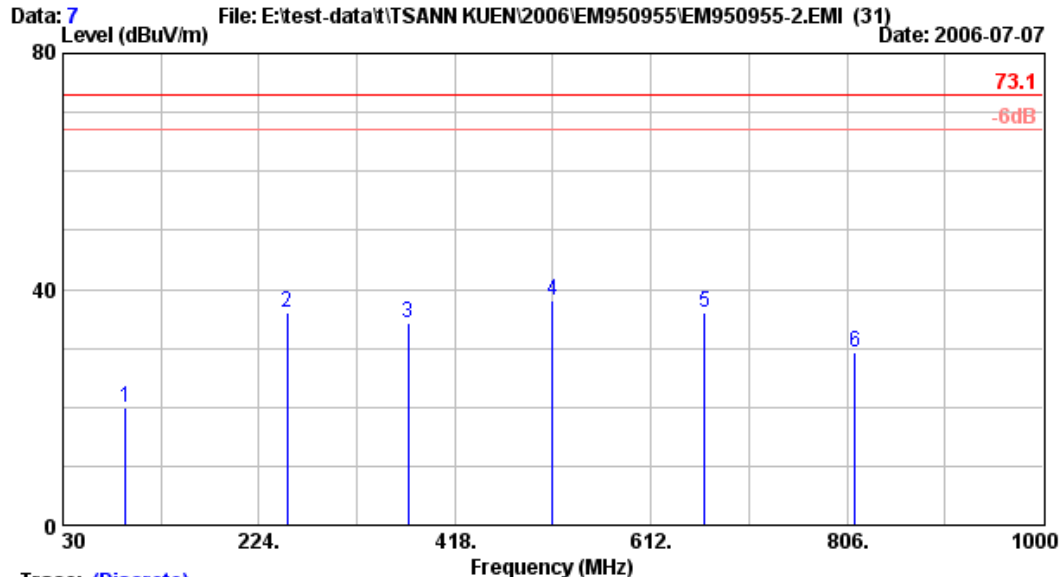
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 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : Power(MAX)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	62.010	13.37	1.60	5.81	20.78	73.10	52.32	QP
2	247.280	24.78	3.50	0.26	28.54	73.10	44.56	QP
3	382.110	16.94	4.60	0.99	22.53	73.10	50.57	QP
4	609.090	21.64	6.20	-1.94	25.91	73.10	47.19	QP
5	747.800	24.27	6.70	0.55	31.52	73.10	41.58	QP
6	929.190	26.01	7.50	-1.17	32.34	73.10	40.76	QP

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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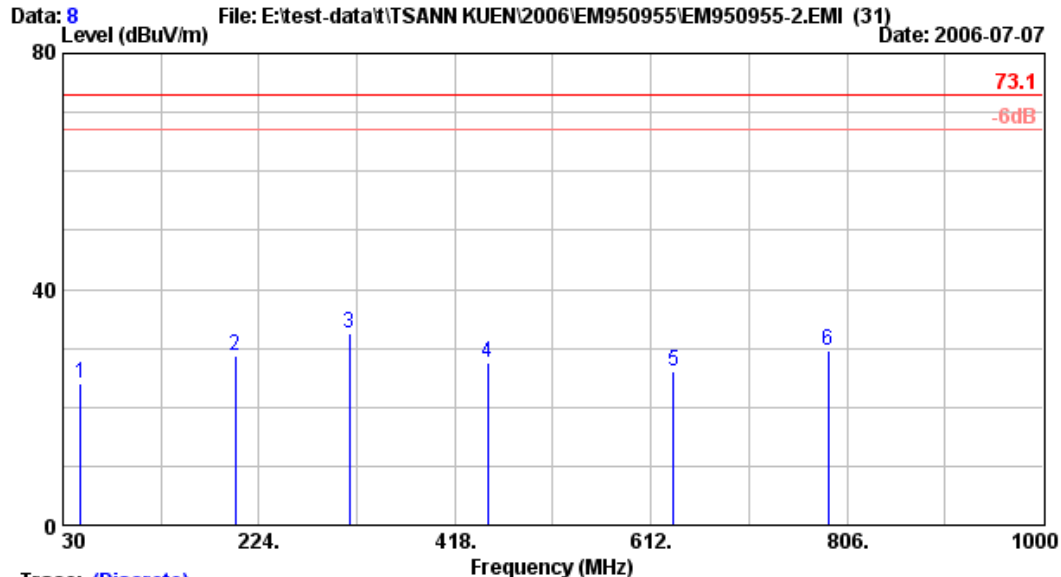
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 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(MID)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	92.080	16.08	2.00	1.89	19.96	73.10	53.14	QP
2	252.130	23.99	3.59	8.44	36.01	73.10	37.09	QP
3	371.440	17.08	4.60	12.62	34.30	73.10	38.80	QP
4	515.000	19.97	6.80	11.25	38.02	73.10	35.08	QP
5	665.350	22.65	6.40	7.09	36.14	73.10	36.96	QP
6	813.760	23.98	7.00	-1.65	29.33	73.10	43.77	QP

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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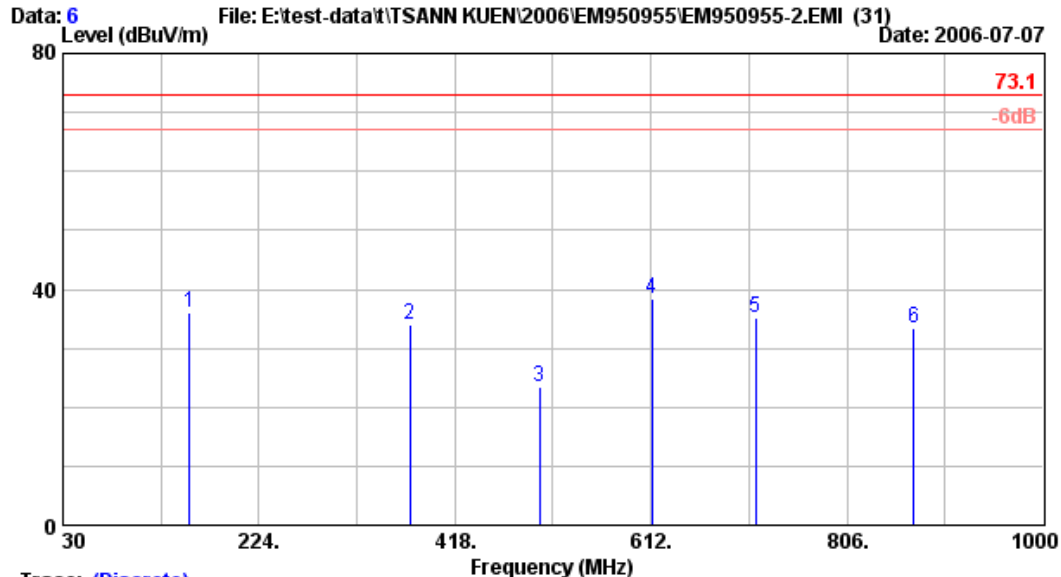
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 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(MID)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	47.460	16.67	1.40	5.82	23.89	73.10	49.21	QP
2	200.720	22.94	3.00	2.70	28.65	73.10	44.45	QP
3	313.240	15.31	4.00	13.10	32.41	73.10	40.69	QP
4	450.010	17.51	5.40	4.54	27.45	73.10	45.65	QP
5	634.310	21.13	6.30	-1.28	26.15	73.10	46.95	QP
6	787.570	25.44	6.90	-2.63	29.72	73.10	43.38	QP

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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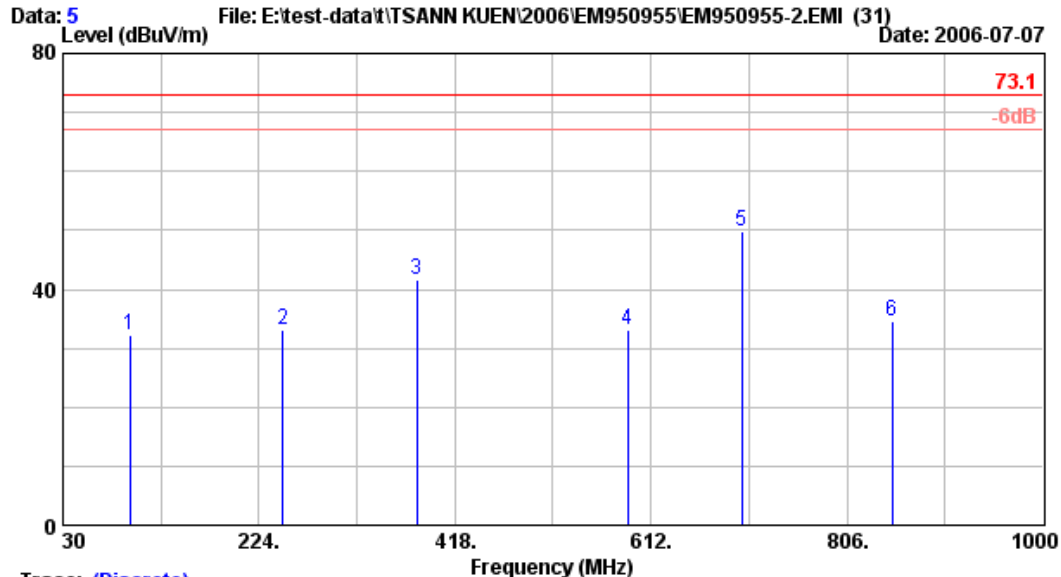
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 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(MIN)
 700 milliliters of waters in the beaker
 located in the center of the oven

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	155.130	20.71	2.63	12.83	36.16	73.10	36.94	QP
2	373.380	17.13	4.60	12.15	33.89	73.10	39.21	QP
3	501.420	18.95	6.52	-1.99	23.49	73.10	49.61	QP
4	612.970	21.36	6.30	10.65	38.31	73.10	34.79	QP
5	715.790	22.74	6.55	5.99	35.29	73.10	37.81	QP
6	871.960	25.52	7.20	0.75	33.47	73.10	39.63	QP

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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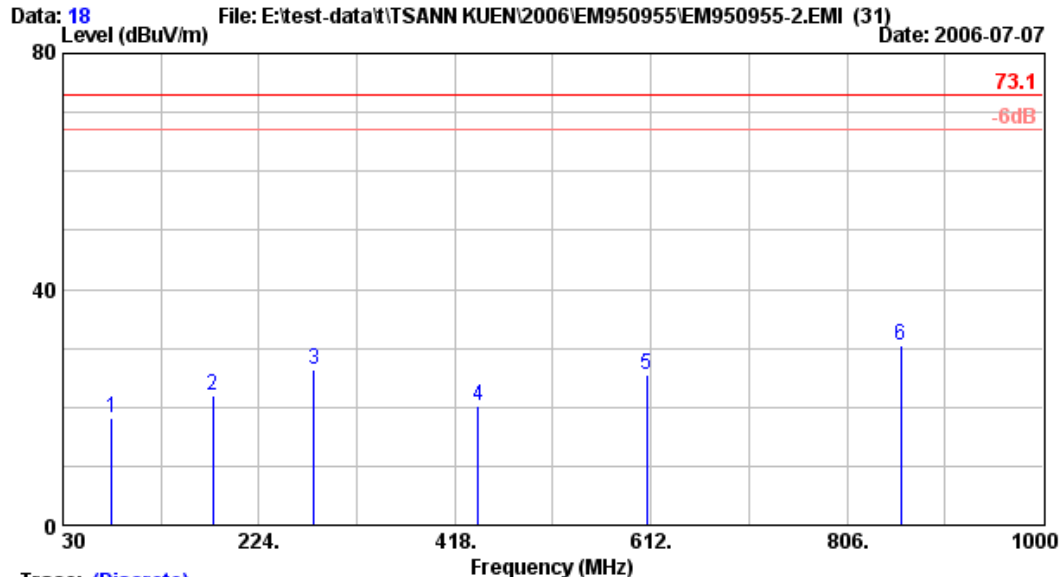
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 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(MIN)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	95.960	17.19	2.00	12.99	32.18	73.10	40.92	QP
2	247.280	24.78	3.50	4.92	33.20	73.10	39.90	QP
3	380.170	16.80	4.60	20.12	41.52	73.10	31.58	QP
4	588.720	21.52	6.30	5.20	33.01	73.10	40.09	QP
5	702.210	22.43	6.50	20.76	49.68	73.10	23.42	QP
6	850.620	26.34	7.10	1.01	34.46	73.10	38.64	QP

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)

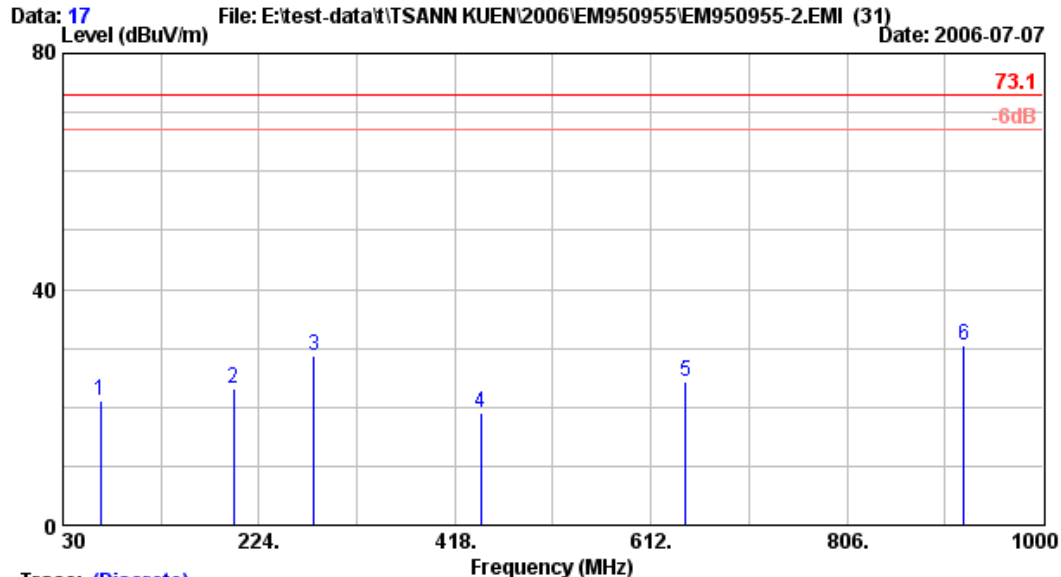
Site no. : A/C Chamber Data no. : 18
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : BEVERAGE
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	78.500	13.43	1.80	3.05	18.29	73.10	54.81	QP
2	178.410	21.28	2.90	-2.08	22.09	73.10	51.01	QP
3	278.320	25.25	3.80	-2.58	26.47	73.10	46.63	QP
4	441.280	17.63	5.30	-2.57	20.36	73.10	52.74	QP
5	608.120	21.47	6.20	-2.24	25.43	73.10	47.67	QP
6	859.350	26.01	7.20	-2.82	30.38	73.10	42.72	QP

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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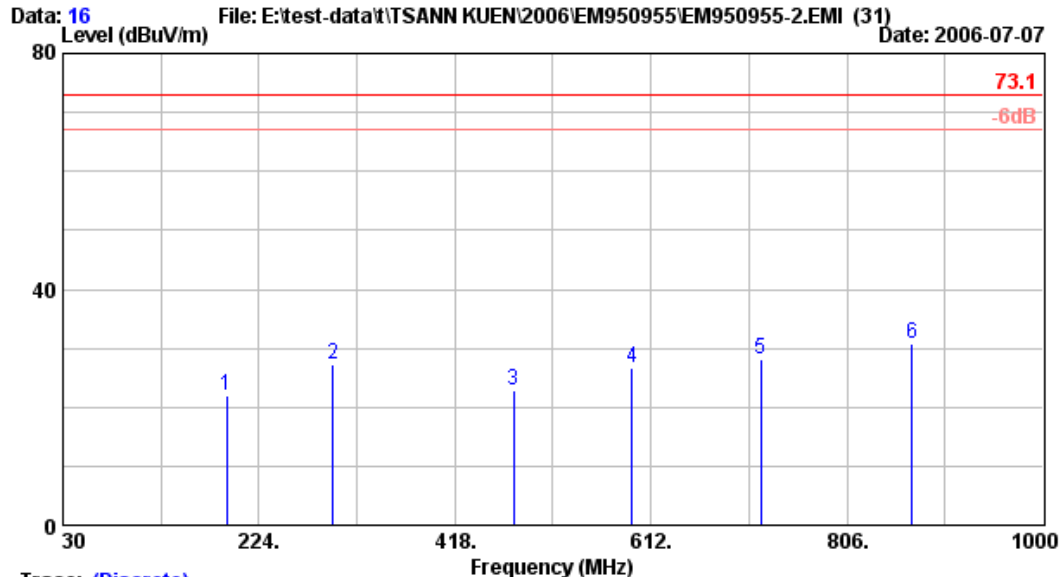
Site no. : A/C Chamber Data no. : 17
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : BEVERAGE
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1	66.860	12.52	1.70	6.92	21.13	73.10	51.97	QP
2	198.780	22.74	3.00	-2.47	23.27	73.10	49.83	QP
3	278.320	25.94	3.80	-1.09	28.64	73.10	44.46	QP
4	443.220	17.42	5.33	-3.74	19.02	73.10	54.08	QP
5	645.950	21.60	6.30	-3.50	24.40	73.10	48.70	QP
6	921.430	25.69	7.40	-2.68	30.41	73.10	42.69	QP

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)

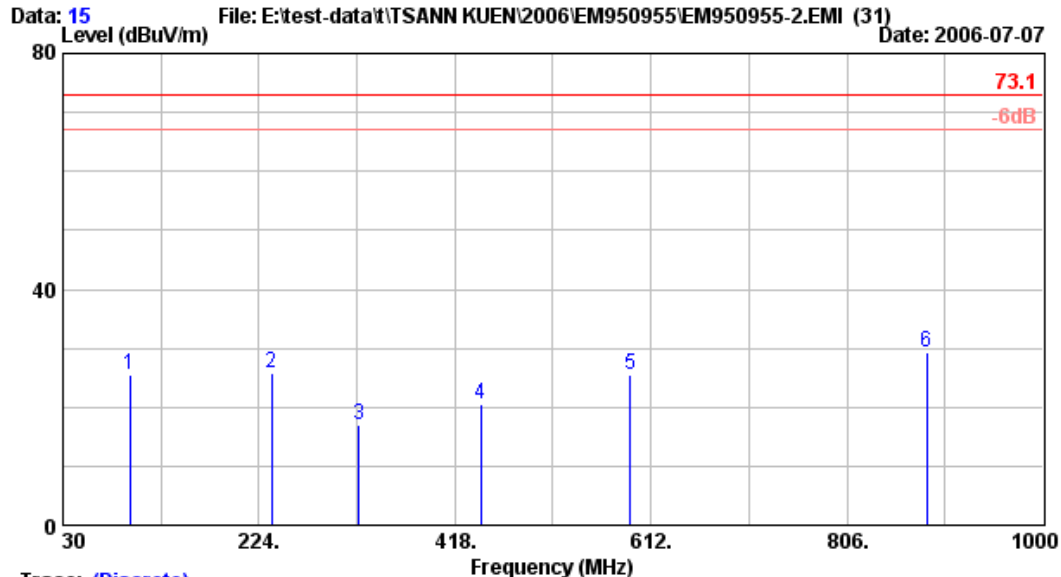
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : PIZZA
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1	191.990	21.60	3.00	-2.54	22.06	73.10	51.04	QP
2	297.720	26.68	3.98	-3.53	27.13	73.10	45.97	QP
3	476.200	18.55	6.00	-1.73	22.82	73.10	50.28	QP
4	593.570	20.95	6.20	-0.57	26.58	73.10	46.52	QP
5	720.640	22.24	6.54	-0.66	28.12	73.10	44.98	QP
6	870.020	25.71	7.20	-2.14	30.77	73.10	42.33	QP

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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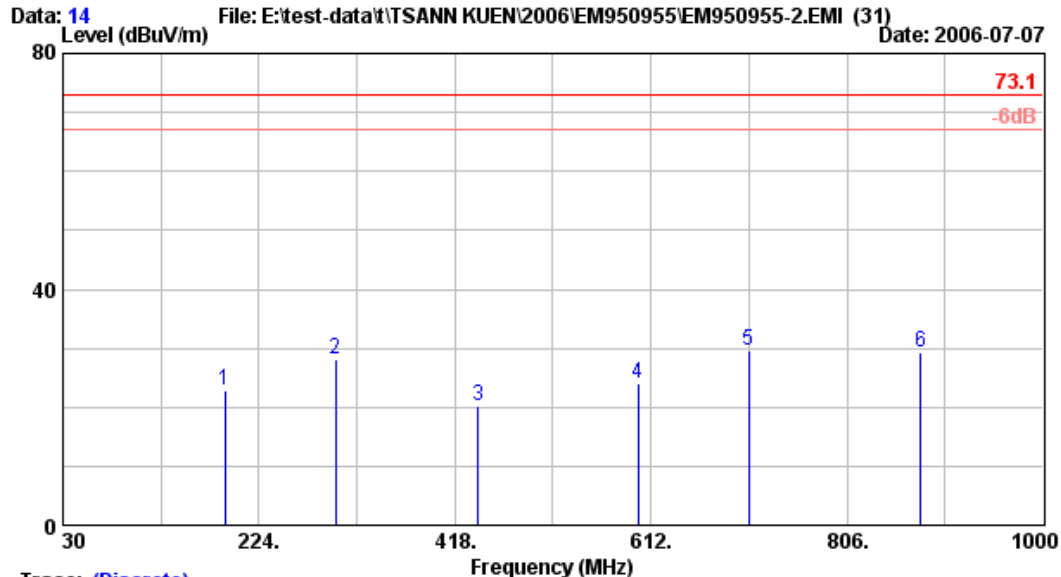
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : PIZZA
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1	95.960	17.19	2.00	6.34	25.53	73.10	47.57	QP
2	236.610	24.51	3.40	-2.26	25.65	73.10	47.45	QP
3	322.940	15.59	4.15	-2.60	17.14	73.10	55.96	QP
4	443.220	17.42	5.33	-2.18	20.58	73.10	52.52	QP
5	591.630	21.48	6.20	-2.04	25.64	73.10	47.46	QP
6	884.570	25.53	7.30	-3.50	29.33	73.10	43.77	QP

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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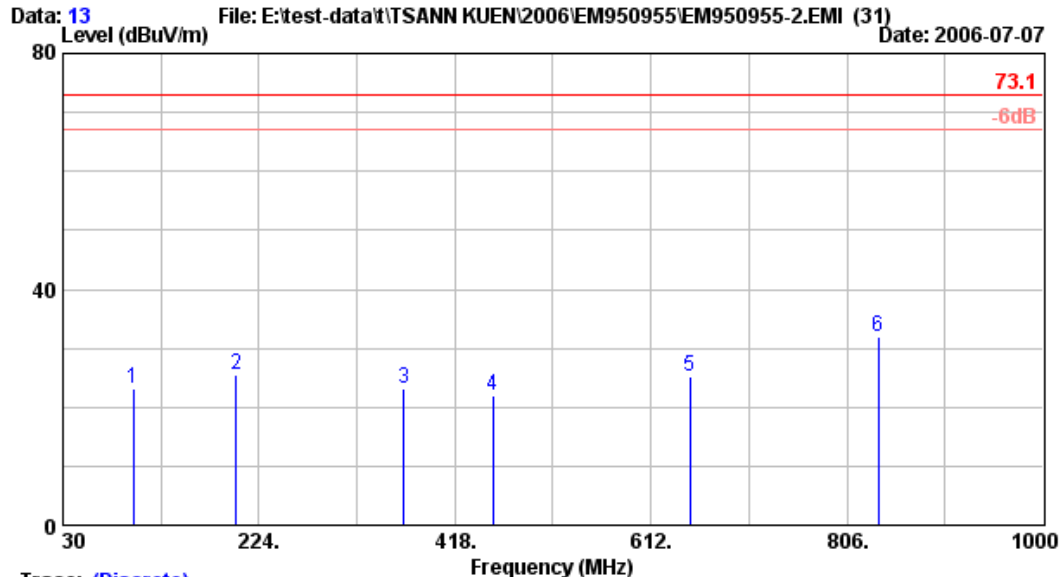
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POPCORN
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	190.050	21.51	2.92	-1.56	22.88	73.10	50.22	QP
2	299.660	26.77	3.90	-2.45	28.22	73.10	44.88	QP
3	441.280	17.63	5.30	-2.73	20.20	73.10	52.90	QP
4	599.390	21.30	6.30	-3.57	24.03	73.10	49.08	QP
5	709.000	23.54	6.60	-0.44	29.71	73.10	43.39	QP
6	878.750	25.35	7.30	-3.35	29.30	73.10	43.80	QP

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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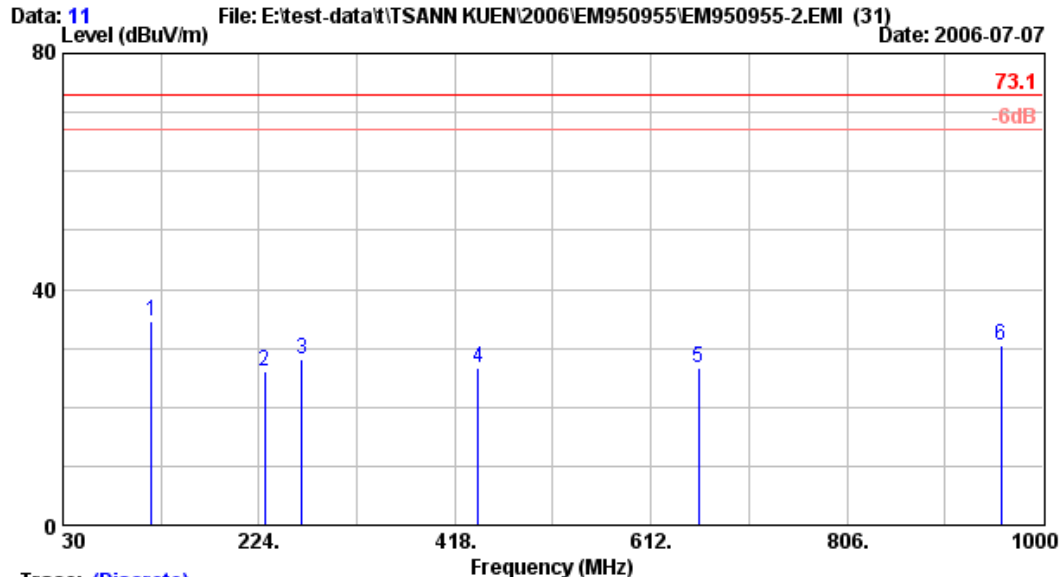
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 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POPCORN
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	99.840	17.62	2.10	3.38	23.10	73.10	50.00	QP
2	201.690	22.93	3.03	-0.56	25.39	73.10	47.71	QP
3	367.560	15.79	4.46	2.76	23.01	73.10	50.09	QP
4	455.830	18.57	5.50	-2.08	21.99	73.10	51.11	QP
5	650.800	21.76	6.30	-2.73	25.32	73.10	47.78	QP
6	837.040	26.47	7.10	-1.51	32.06	73.10	41.04	QP

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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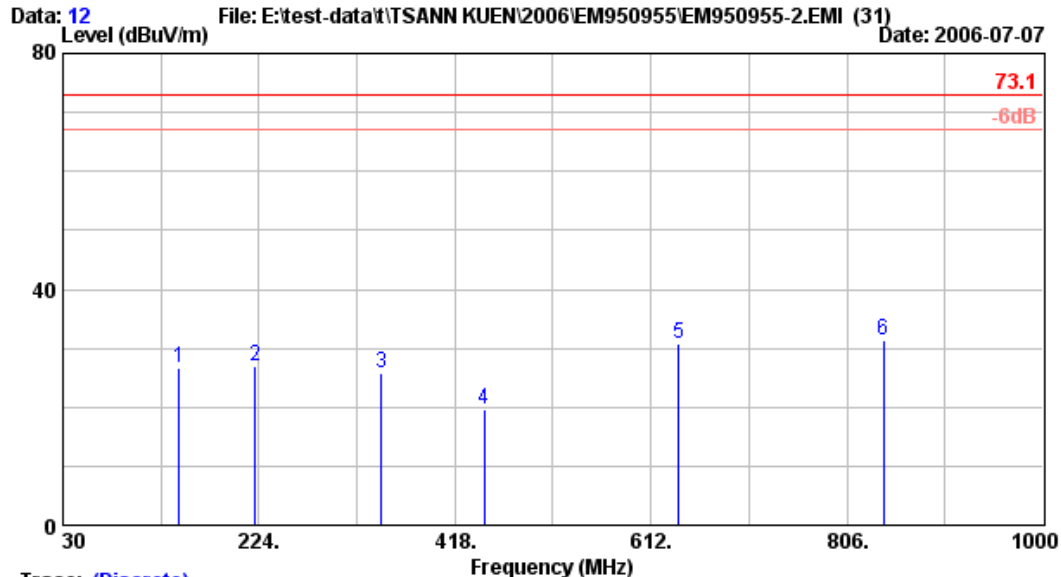
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : DEFROST
 700 milliliters of waters in the beaker
 located in the center of the oven

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	117.300	18.85	2.30	13.50	34.65	73.10	38.45	QP
2	229.820	22.08	3.30	0.60	25.98	73.10	47.12	QP
3	266.680	24.74	3.70	-0.30	28.14	73.10	44.96	QP
4	441.280	17.63	5.30	3.69	26.62	73.10	46.48	QP
5	659.530	22.30	6.40	-1.90	26.80	73.10	46.30	QP
6	958.290	26.34	7.60	-3.55	30.39	73.10	42.71	QP

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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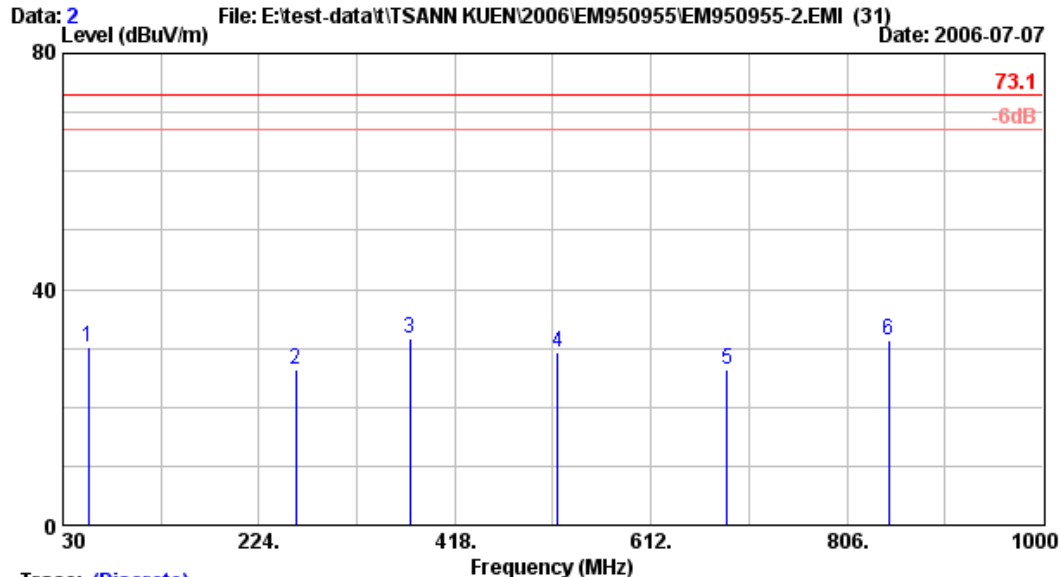
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : DEFROST
 700 milliliters of waters in the beaker
 located in the center of the oven

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	145.430	21.26	2.59	2.84	26.68	73.10	46.42	QP
2	220.120	22.46	3.30	1.15	26.91	73.10	46.19	QP
3	345.250	15.58	4.40	5.95	25.93	73.10	47.17	QP
4	447.100	17.47	5.40	-3.34	19.54	73.10	53.56	QP
5	639.160	21.22	6.28	3.38	30.88	73.10	42.22	QP
6	841.890	26.62	7.10	-2.26	31.46	73.10	41.64	QP

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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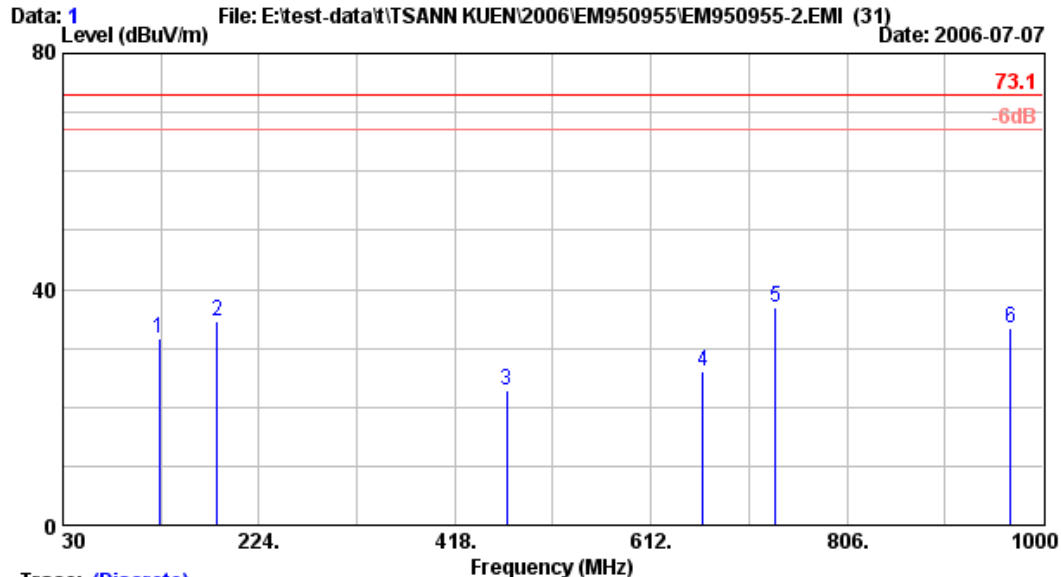
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 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : COOK(POTATO)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1	55.220	14.39	1.50	14.36	30.25	73.10	42.85	QP
2	260.860	24.58	3.60	-1.91	26.27	73.10	46.83	QP
3	373.380	17.13	4.60	9.92	31.66	73.10	41.44	QP
4	519.850	19.99	6.90	2.47	29.36	73.10	43.74	QP
5	687.660	23.26	6.50	-3.29	26.47	73.10	46.63	QP
6	847.710	25.43	7.10	-1.05	31.48	73.10	41.62	QP

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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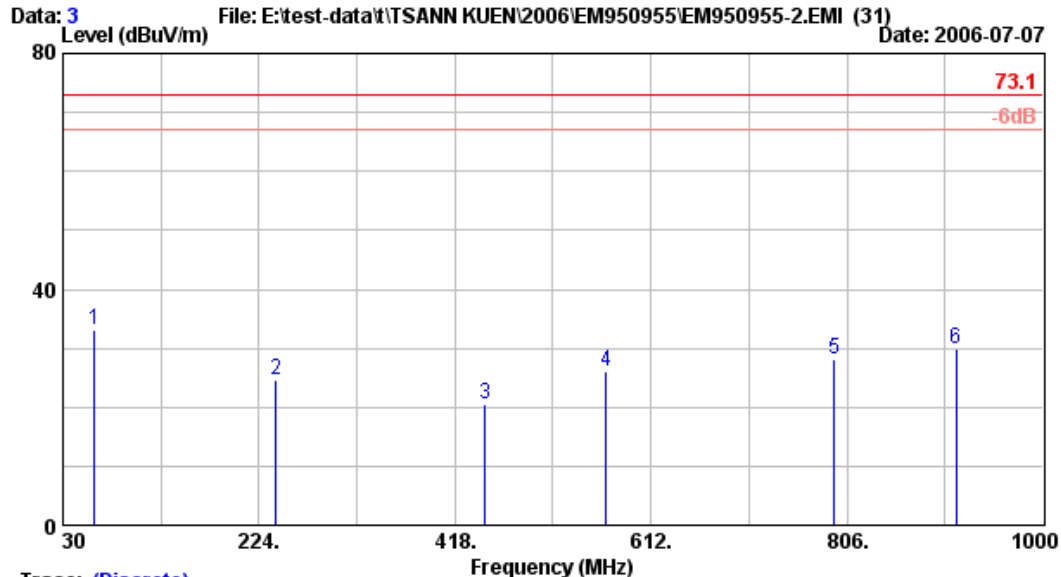
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : COOK(POTATO)
 700 milliliters of waters in the beaker
 located in the center of the oven

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	125.060	17.89	2.30	11.40	31.59	73.10	41.51	QP
2	182.290	21.55	2.90	10.11	34.55	73.10	38.55	QP
3	469.410	19.07	5.80	-2.06	22.81	73.10	50.29	QP
4	663.410	22.22	6.32	-2.34	26.20	73.10	46.90	QP
5	735.190	23.26	6.68	6.90	36.84	73.10	36.26	QP
6	967.990	26.97	7.69	-1.29	33.37	73.10	39.73	QP

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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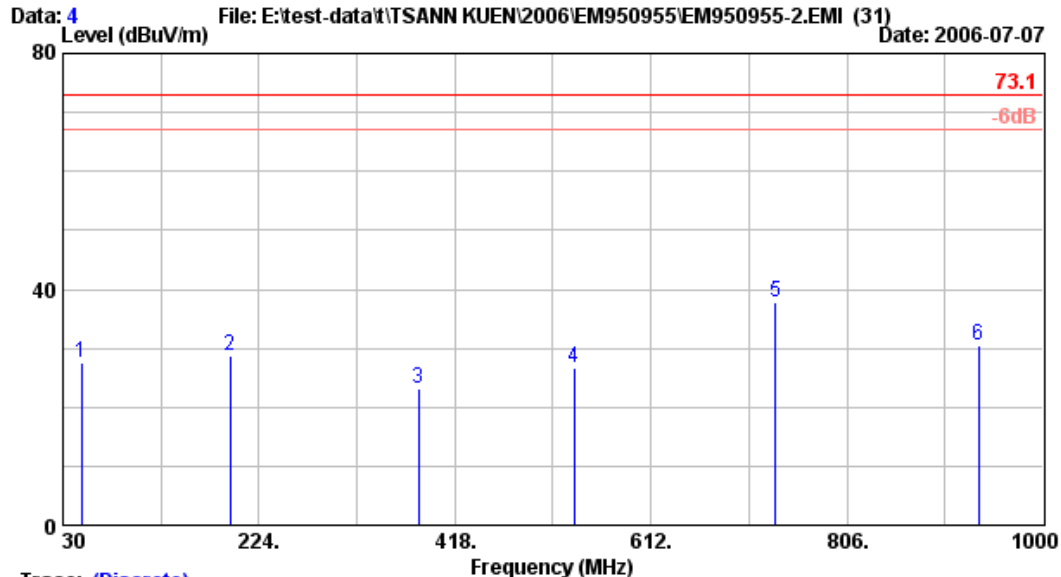
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 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : REHEAT(CASSEROLE)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	61.040	12.55	1.60	19.04	33.19	73.10	39.91	QP
2	240.490	23.10	3.40	-1.89	24.62	73.10	48.48	QP
3	448.070	17.63	5.40	-2.52	20.51	73.10	52.59	QP
4	567.380	20.97	6.50	-1.44	26.04	73.10	47.06	QP
5	793.390	23.98	6.90	-2.65	28.23	73.10	44.87	QP
6	913.670	24.96	7.40	-2.58	29.78	73.10	43.32	QP

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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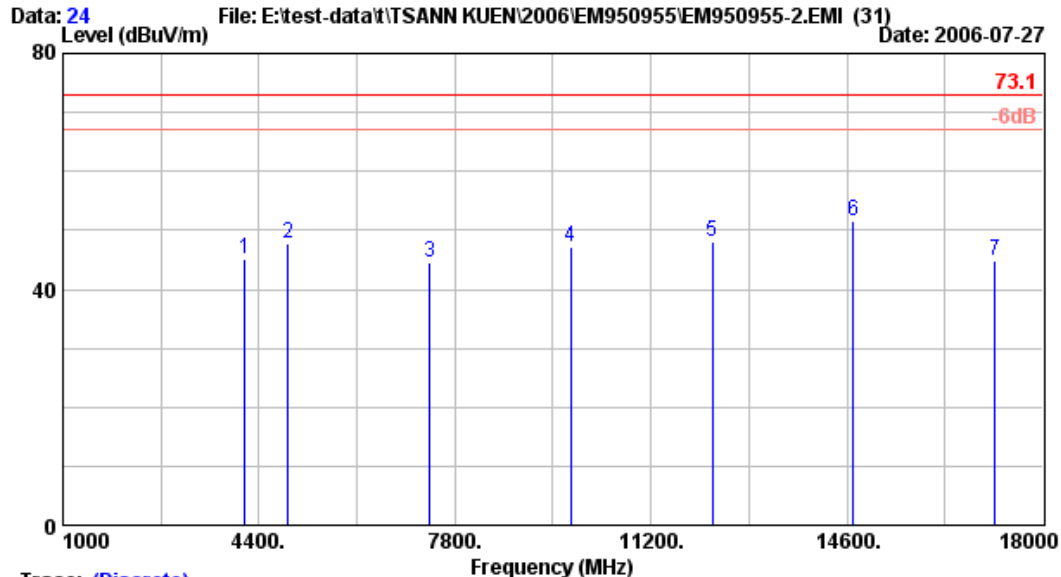
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 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : REHEAT(CASSEROLE)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	48.430	16.41	1.40	9.86	27.67	73.10	45.43	QP
2	195.870	22.50	3.00	3.36	28.85	73.10	44.25	QP
3	382.110	16.94	4.60	1.50	23.04	73.10	50.06	QP
4	536.340	20.10	7.07	-0.43	26.74	73.10	46.36	QP
5	735.190	23.26	6.68	7.98	37.92	73.10	35.18	QP
6	935.980	26.53	7.50	-3.47	30.56	73.10	42.54	QP

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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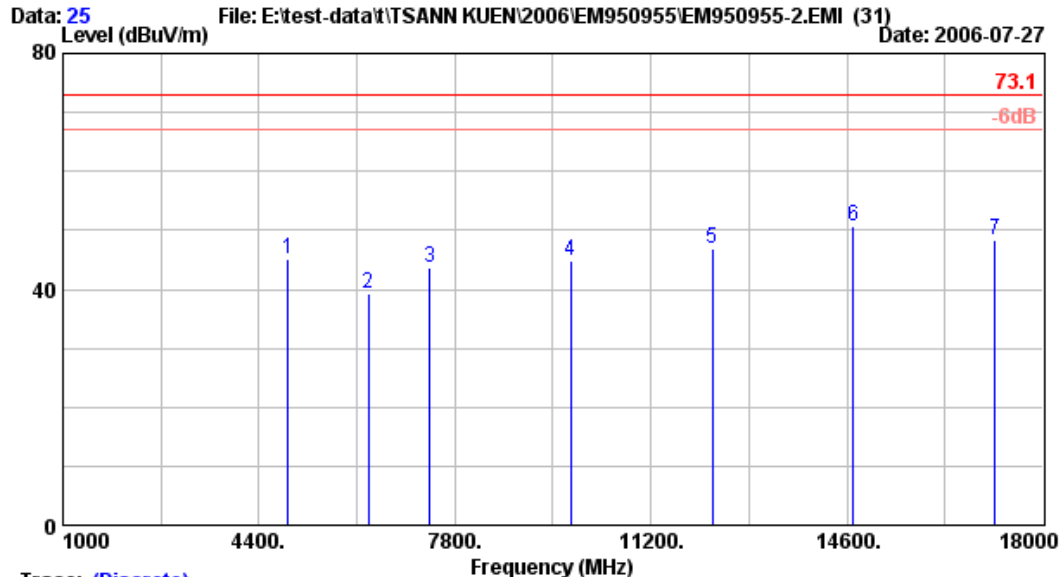
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 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 1000 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4162.000	32.87	8.56	3.83	45.26	73.10	27.84	Average	
2 4905.600	33.85	9.16	4.88	47.89	73.10	25.21	Average	
3 7358.400	37.10	11.48	-4.05	44.52	73.10	28.58	Average	
4 9811.200	38.47	12.93	-4.33	47.06	73.10	26.04	Average	
5 12264.000	38.85	15.00	-5.76	48.09	73.10	25.01	Average	
6 14716.800	39.38	16.82	-4.69	51.51	73.10	21.59	Average	
7 17169.600	43.34	17.16	-15.55	44.95	73.10	28.15	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)

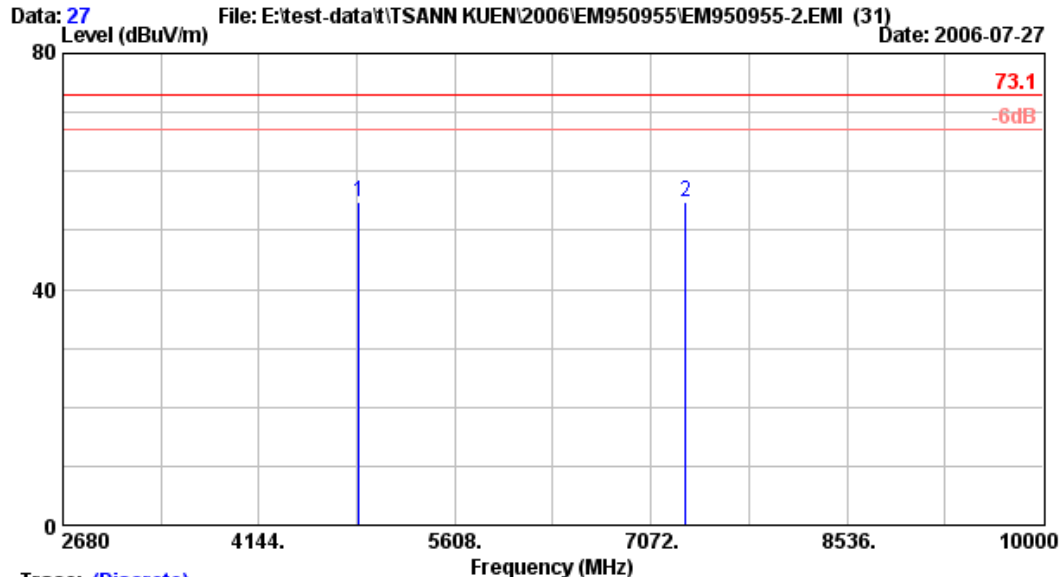
Site no. : A/C Chamber Data no. : 25
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : 73.1 dB μ V/m
Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
EUT : Microwave Oven M/N:TSK-M3204ME
Power Rating : 120Vac/60Hz
Test Mode : POWER(HI)
1000 milliliters of waters in the beaker
located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4905.600	33.85	9.16	2.18	45.19	73.10	27.91	Average	
2 6304.000	34.88	10.42	-5.98	39.32	73.10	33.78	Average	
3 7358.400	37.10	11.48	-4.88	43.69	73.10	29.41	Average	
4 9811.200	38.47	12.93	-6.50	44.89	73.10	28.21	Average	
5 12264.000	38.85	15.00	-6.88	46.96	73.10	26.14	Average	
6 14716.800	39.38	16.82	-5.57	50.63	73.10	22.47	Average	
7 17169.600	43.34	17.16	-12.22	48.28	73.10	24.82	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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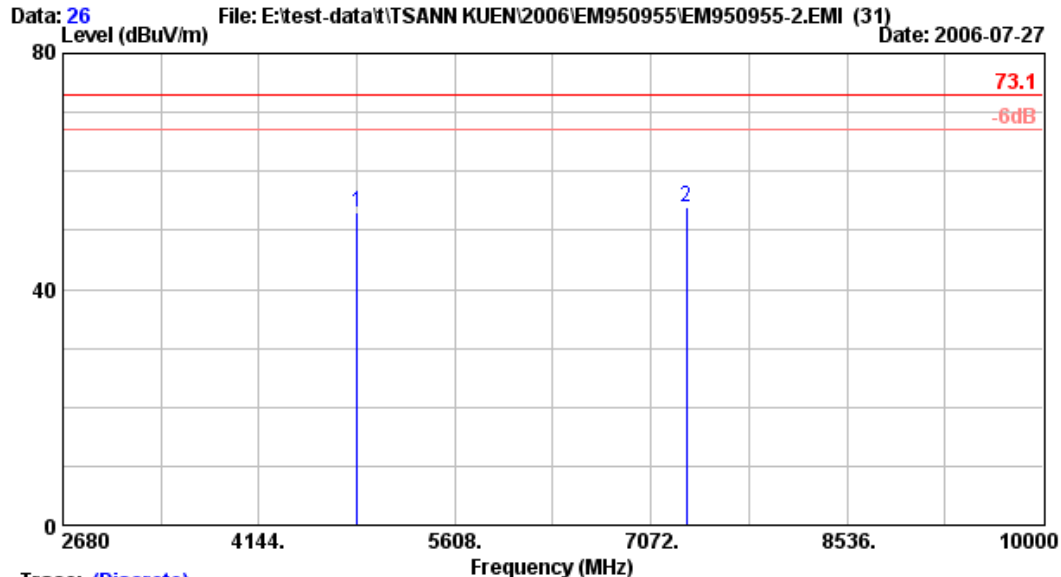
Site no. : A/C Chamber Data no. : 27
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 700 milliliters of waters in the beaker
 located in the right front corner

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4890.640	33.82	9.16	11.87	54.85	73.10	18.25	Average	
2 7328.200	37.00	11.44	6.36	54.80	73.10	18.30	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)

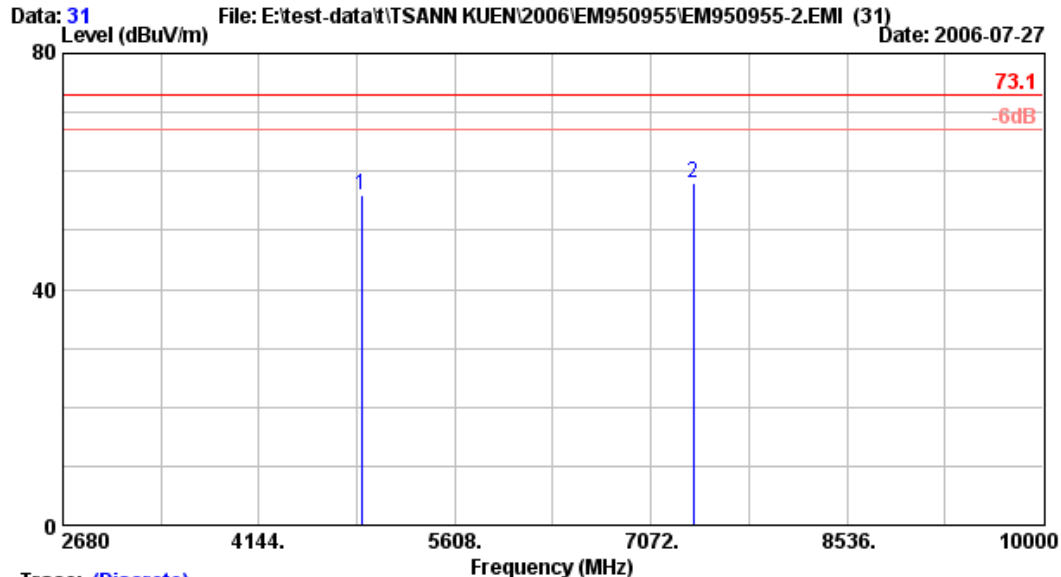
Site no. : A/C Chamber Data no. : 26
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 700 milliliters of waters in the beaker
 located in the right front corner

		Ant. Cable		Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4876.000	33.78	9.15	10.24	53.17	73.10	19.93	Average	
2 7335.520	37.00	11.44	5.53	53.98	73.10	19.12	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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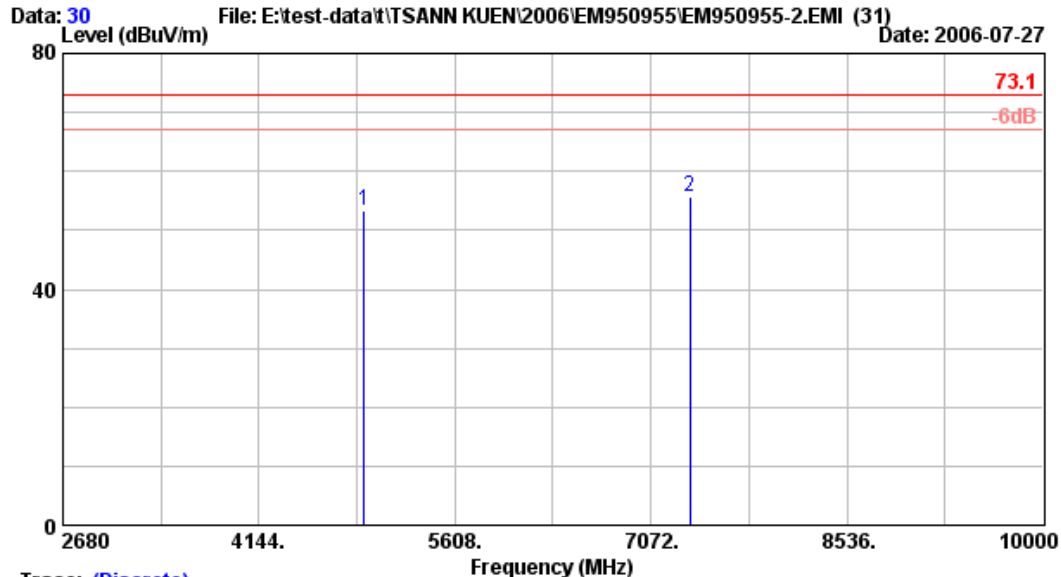
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 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 300 milliliters of waters in the beaker
 located in the center of the oven

		Ant. Cable		Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4912.600	33.89	9.16	12.90	55.95	73.10	17.15	Average	
2 7386.760	37.15	11.54	9.21	57.90	73.10	15.20	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)

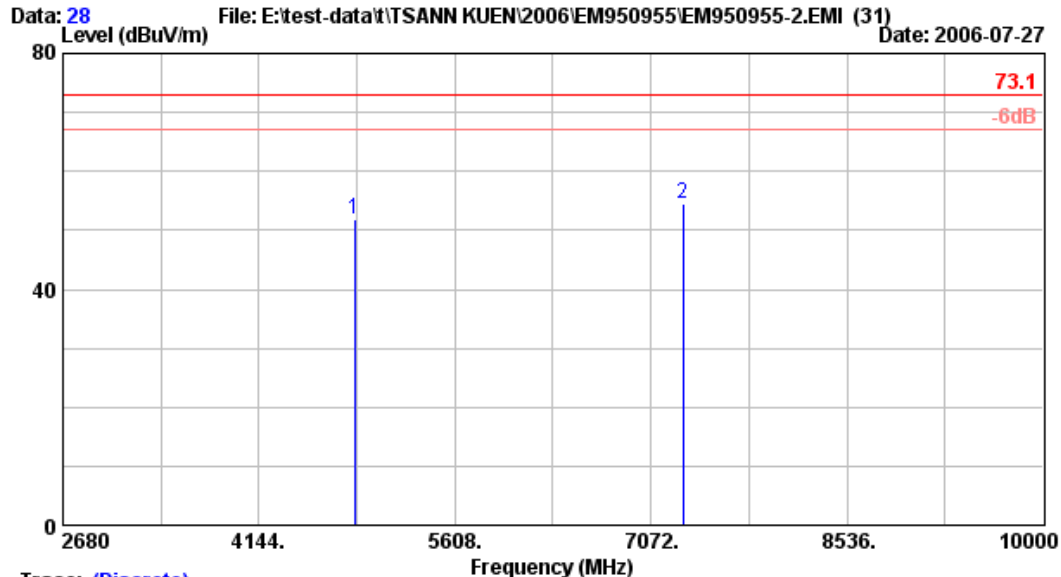
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 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 300 milliliters of waters in the beaker
 located in the center of the oven

		Ant. Cable		Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4927.240	33.92	9.13	10.16	53.22	73.10	19.88	Average	
2 7364.800	37.10	11.51	7.17	55.78	73.10	17.32	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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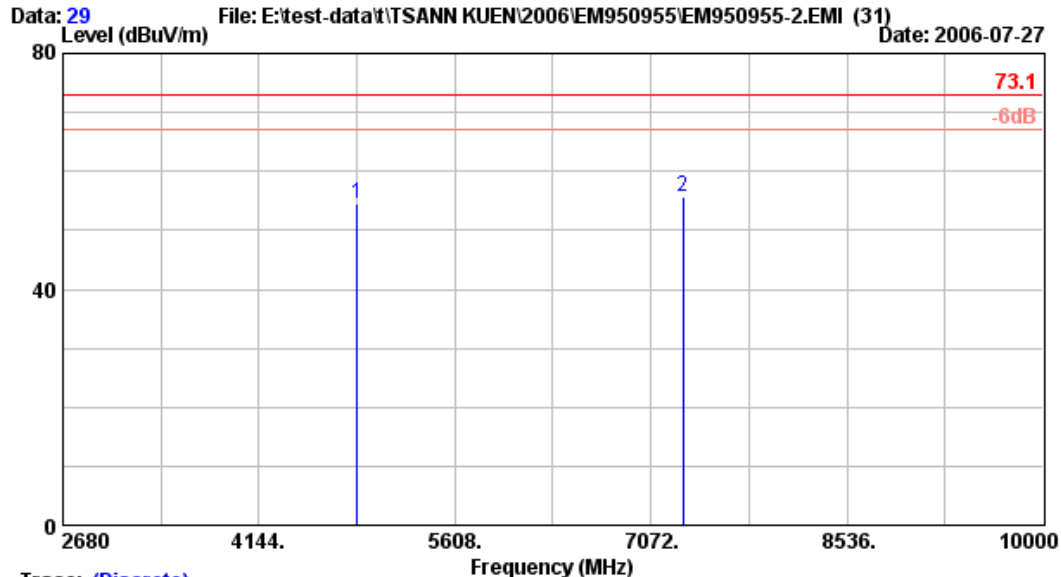
Site no. : A/C Chamber Data no. : 28
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 300 milliliters of waters in the beaker
 located in the right front corner

		Ant. Cable		Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4861.360	33.75	9.15	8.99	51.89	73.10	21.21	Average	
2 7313.560	36.95	11.41	6.01	54.37	73.10	18.73	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)

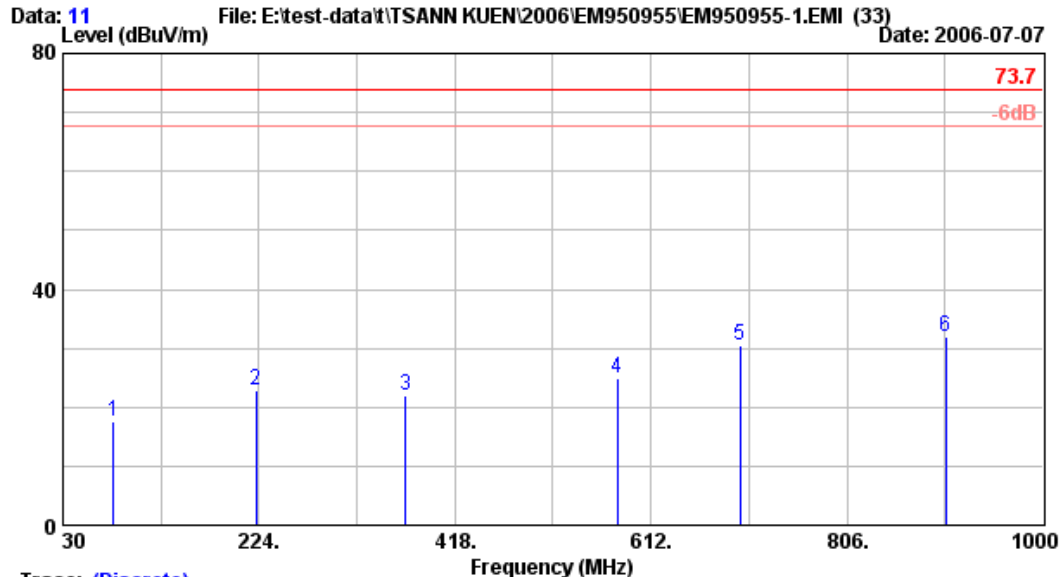
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 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 73.1 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204ME
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 300 milliliters of waters in the beaker
 located in the right front corner

		Ant. Cable		Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4876.000	33.78	9.15	11.46	54.39	73.10	18.71	Average	
2 7313.560	36.95	11.41	7.31	55.67	73.10	17.43	Average	

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
 2. The emission levels that are 20dB below the official
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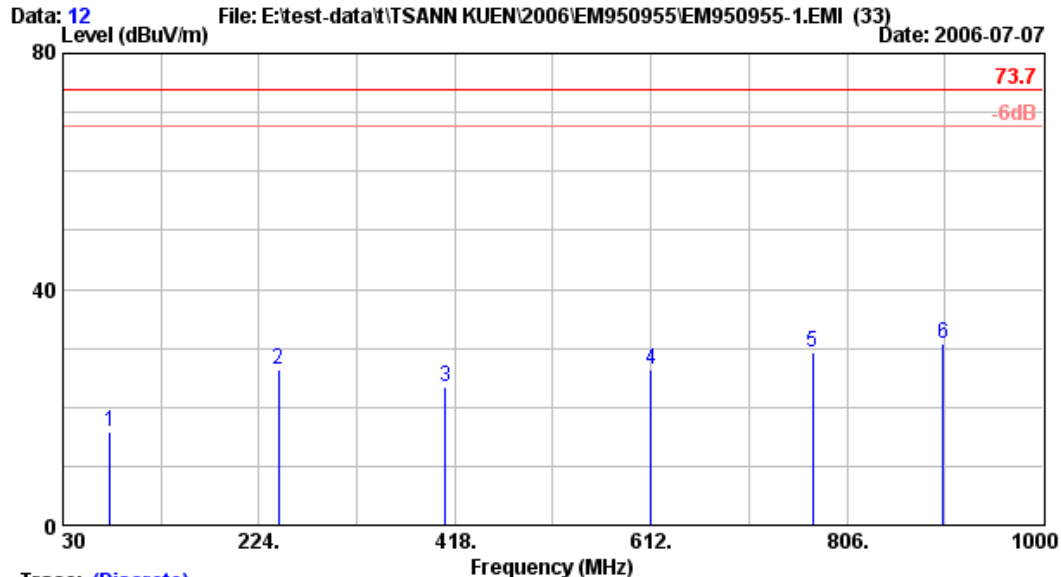
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : Power(MAX)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1	80.440	13.81	1.89	1.84	17.53	73.70	56.17	QP
2	221.090	21.91	3.30	-2.27	22.95	73.70	50.75	QP
3	369.500	16.93	4.60	0.46	21.99	73.70	51.71	QP
4	579.020	20.96	6.40	-2.40	24.96	73.70	48.74	QP
5	700.270	23.46	6.50	0.61	30.57	73.70	43.13	QP
6	903.970	24.88	7.40	-0.21	32.07	73.70	41.63	QP

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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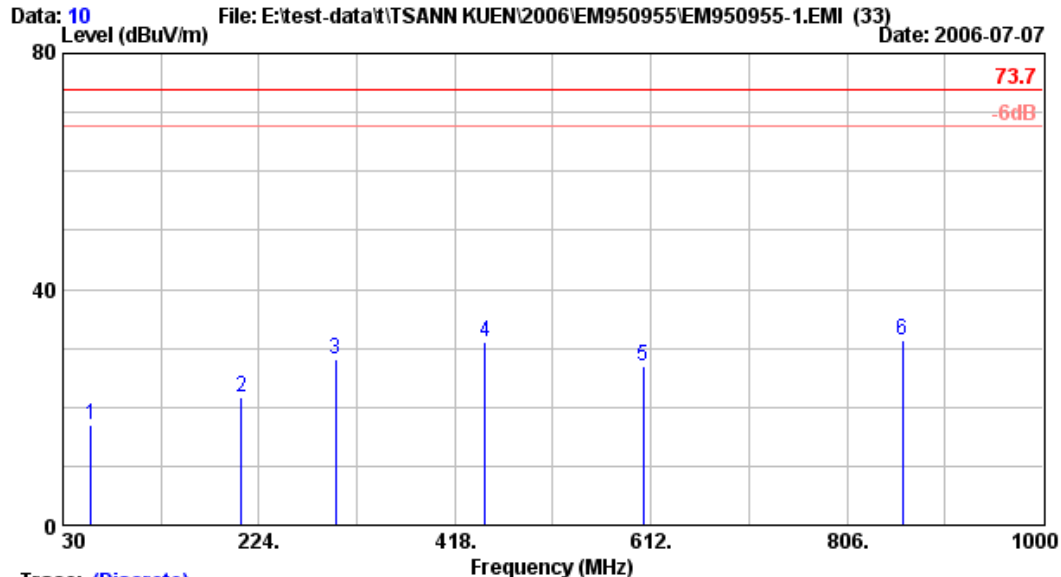
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : Power(MAX)
 700 milliliters of waters 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)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	76.560	13.50	1.80	0.58	15.88	73.70	57.82	QP
2	243.400	24.36	3.40	-1.32	26.44	73.70	47.26	QP
3	408.300	17.15	4.90	1.32	23.37	73.70	50.33	QP
4	612.000	21.50	6.30	-1.47	26.33	73.70	47.37	QP
5	772.050	25.13	6.80	-2.52	29.40	73.70	44.30	QP
6	901.060	25.82	7.40	-2.56	30.66	73.70	43.04	QP

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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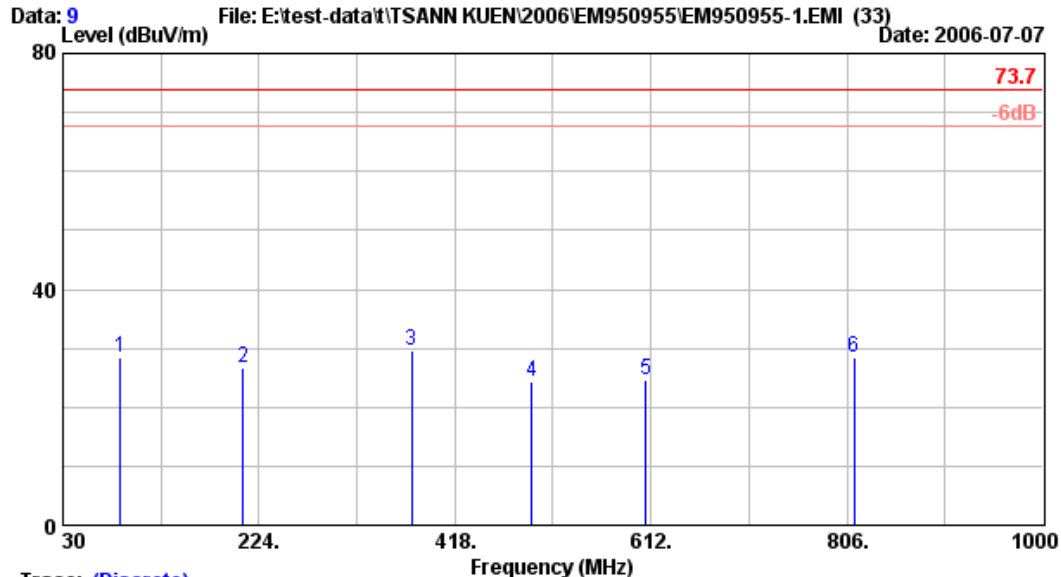
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(MID)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	58.130	13.43	1.60	1.89	16.92	73.70	56.78	QP
2	206.540	21.91	3.10	-3.29	21.72	73.70	51.98	QP
3	299.660	26.77	3.90	-2.54	28.13	73.70	45.57	QP
4	448.070	17.63	5.40	8.02	31.05	73.70	42.65	QP
5	604.240	21.42	6.30	-0.76	26.95	73.70	46.75	QP
6	861.290	26.09	7.20	-2.05	31.24	73.70	42.46	QP

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)

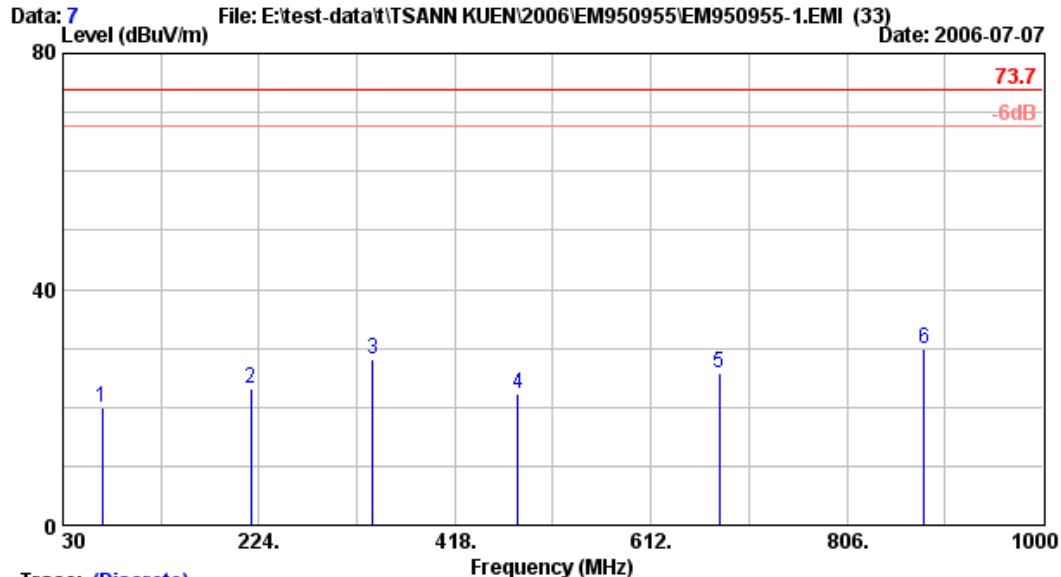
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(MID)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	87.230	15.32	2.00	11.13	28.45	73.70	45.25	QP
2	208.480	22.33	3.12	1.09	26.54	73.70	47.16	QP
3	375.320	16.03	4.60	9.07	29.70	73.70	44.00	QP
4	493.660	19.00	6.40	-1.03	24.38	73.70	49.32	QP
5	607.150	21.72	6.20	-3.26	24.66	73.70	49.04	QP
6	812.790	24.56	7.00	-3.26	28.30	73.70	45.40	QP

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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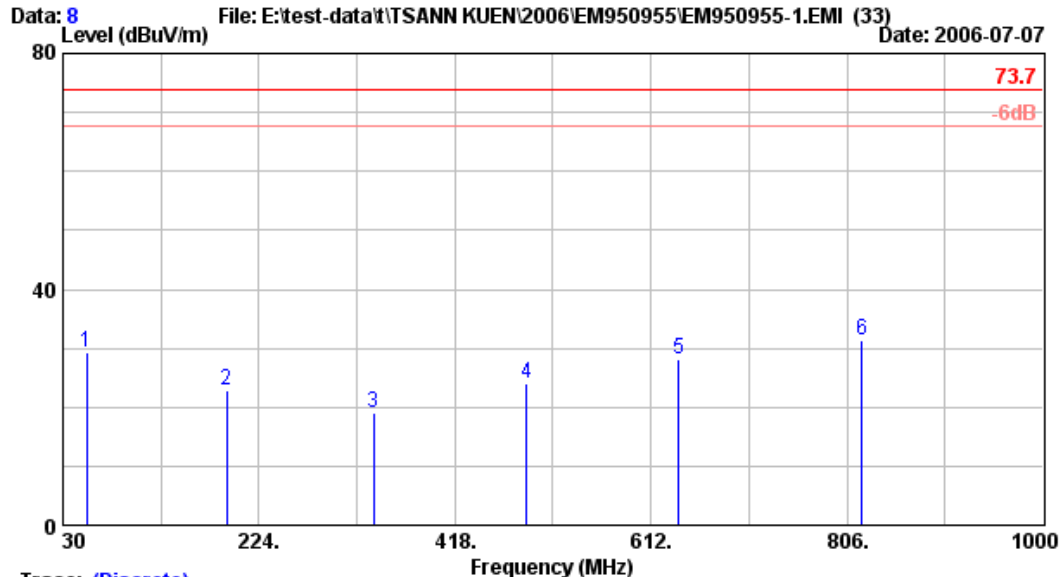
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(MIN)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1	68.800	11.93	1.70	6.33	19.96	73.70	53.74	QP
2	216.240	21.86	3.20	-2.04	23.02	73.70	50.68	QP
3	336.520	15.08	4.20	8.98	28.27	73.70	45.43	QP
4	480.080	18.68	6.05	-2.37	22.36	73.70	51.34	QP
5	679.900	22.97	6.40	-3.44	25.92	73.70	47.78	QP
6	882.630	25.28	7.30	-2.64	29.94	73.70	43.76	QP

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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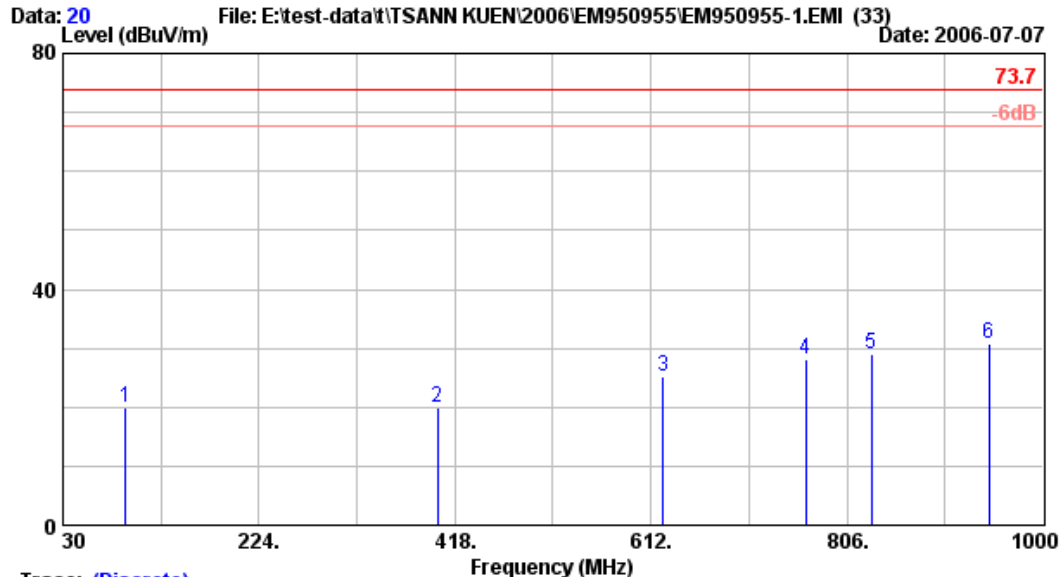
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 Limit : 73.7 dBuV/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(MIN)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)	
1	53.280	15.05	1.50	12.67	29.22	73.70	44.48	QP
2	191.990	22.07	3.00	-2.22	22.85	73.70	50.85	QP
3	337.490	15.53	4.20	-0.77	18.96	73.70	54.74	QP
4	488.810	18.80	6.24	-0.96	24.08	73.70	49.62	QP
5	639.160	21.22	6.28	0.53	28.03	73.70	45.67	QP
6	820.550	25.07	7.00	-0.75	31.32	73.70	42.38	QP

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)

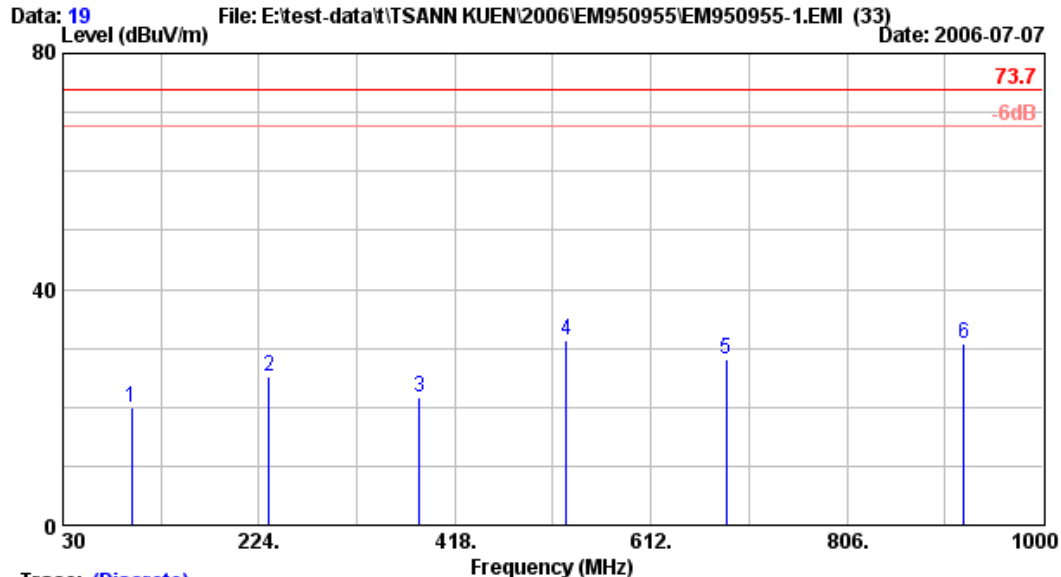
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 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : BEVERAGE
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	92.080	16.08	2.00	1.71	19.78	73.70	53.92	QP
2	400.540	17.66	4.80	-2.60	19.86	73.70	53.84	QP
3	623.640	21.32	6.20	-2.21	25.31	73.70	48.39	QP
4	765.260	23.82	6.80	-2.38	28.24	73.70	45.46	QP
5	830.250	24.75	7.10	-2.92	28.93	73.70	44.77	QP
6	946.650	25.76	7.50	-2.48	30.78	73.70	42.92	QP

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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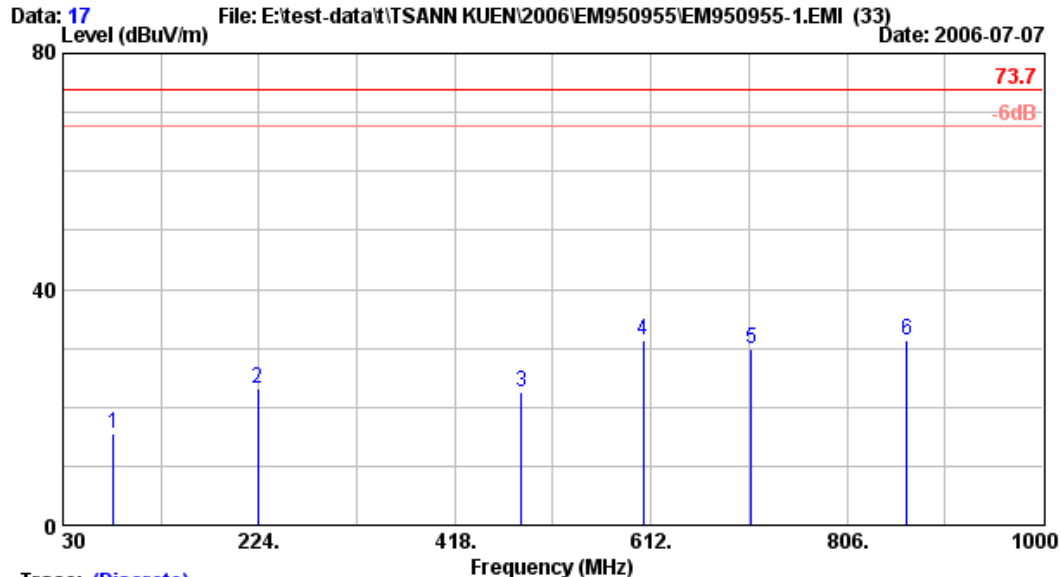
Site no. : A/C Chamber Data no. : 19
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : BEVERAGE
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	97.900	17.54	2.10	0.20	19.84	73.70	53.86	QP
2	233.700	24.84	3.38	-2.99	25.23	73.70	48.47	QP
3	383.080	17.08	4.62	-0.11	21.58	73.70	52.12	QP
4	528.580	20.22	6.90	4.37	31.50	73.70	42.20	QP
5	686.690	23.55	6.50	-1.79	28.26	73.70	45.44	QP
6	921.430	25.69	7.40	-2.41	30.68	73.70	43.02	QP

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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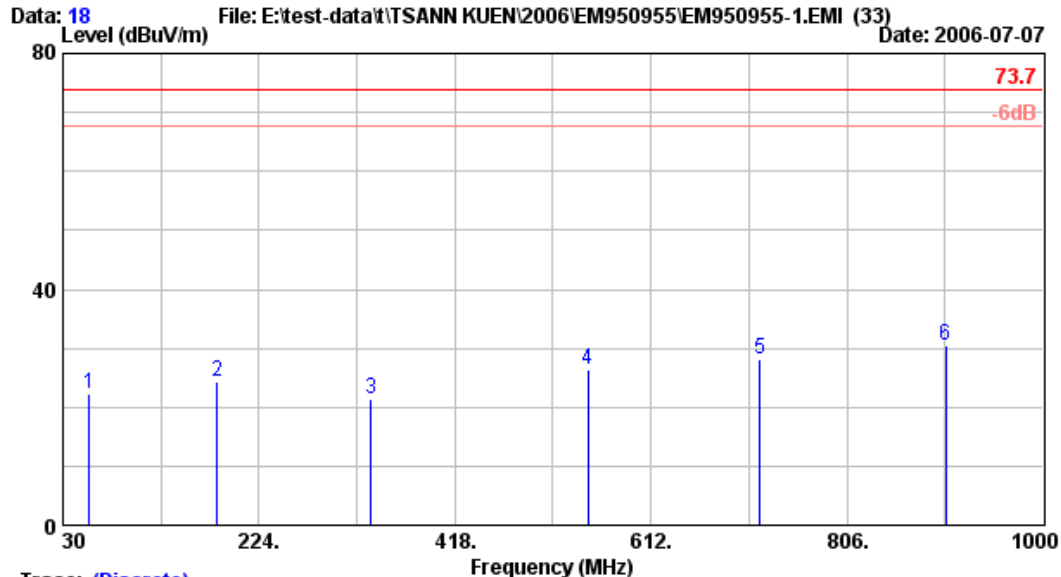
Site no. : A/C Chamber Data no. : 17
 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : PIZZA
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1	80.440	13.81	1.89	-0.17	15.52	73.70	58.18	QP
2	223.030	21.94	3.30	-2.05	23.19	73.70	50.51	QP
3	483.960	18.84	6.14	-2.55	22.43	73.70	51.27	QP
4	604.240	21.42	6.30	3.68	31.39	73.70	42.31	QP
5	710.940	23.54	6.51	-0.07	29.97	73.70	43.73	QP
6	865.170	26.00	7.20	-1.75	31.45	73.70	42.25	QP

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)

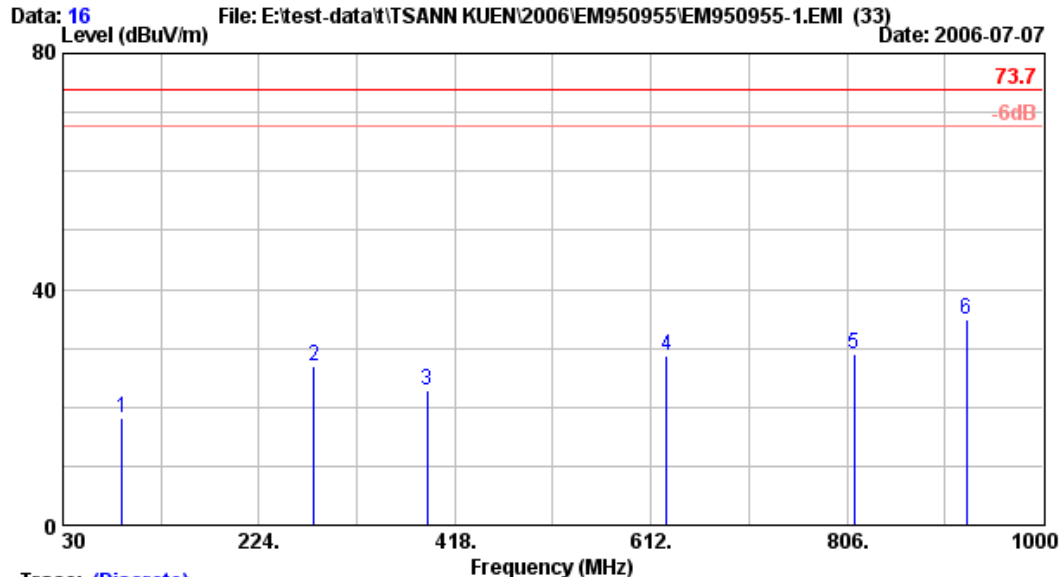
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : PIZZA
 700 milliliters of waters in the beaker
 located in the center of the oven

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	56.190	14.21	1.60	6.40	22.21	73.70	51.49	QP
2	182.290	21.55	2.90	-0.04	24.40	73.70	49.30	QP
3	334.580	15.55	4.20	1.74	21.49	73.70	52.21	QP
4	549.920	21.38	6.80	-1.77	26.41	73.70	47.29	QP
5	719.670	22.04	6.60	-0.65	27.99	73.70	45.71	QP
6	903.970	25.79	7.40	-2.63	30.55	73.70	43.15	QP

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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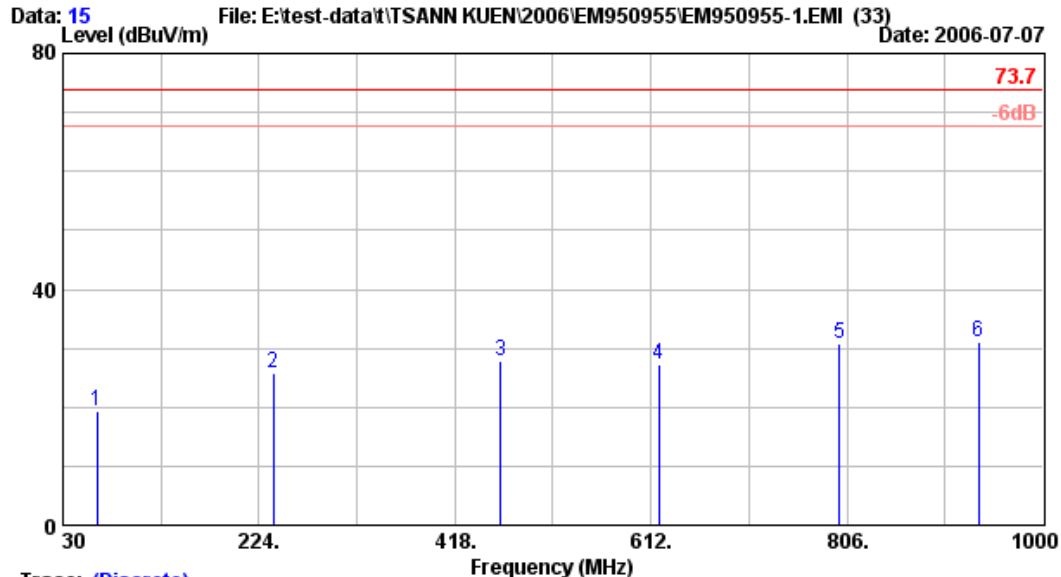
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POPCORN
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	88.200	15.42	2.00	0.78	18.20	73.70	55.50	QP
2	278.320	25.25	3.80	-2.21	26.84	73.70	46.86	QP
3	390.840	17.50	4.80	0.62	22.92	73.70	50.78	QP
4	627.520	21.15	6.31	1.18	28.64	73.70	45.06	QP
5	812.790	24.02	7.00	-2.12	28.90	73.70	44.80	QP
6	924.340	24.48	7.40	2.97	34.85	73.70	38.85	QP

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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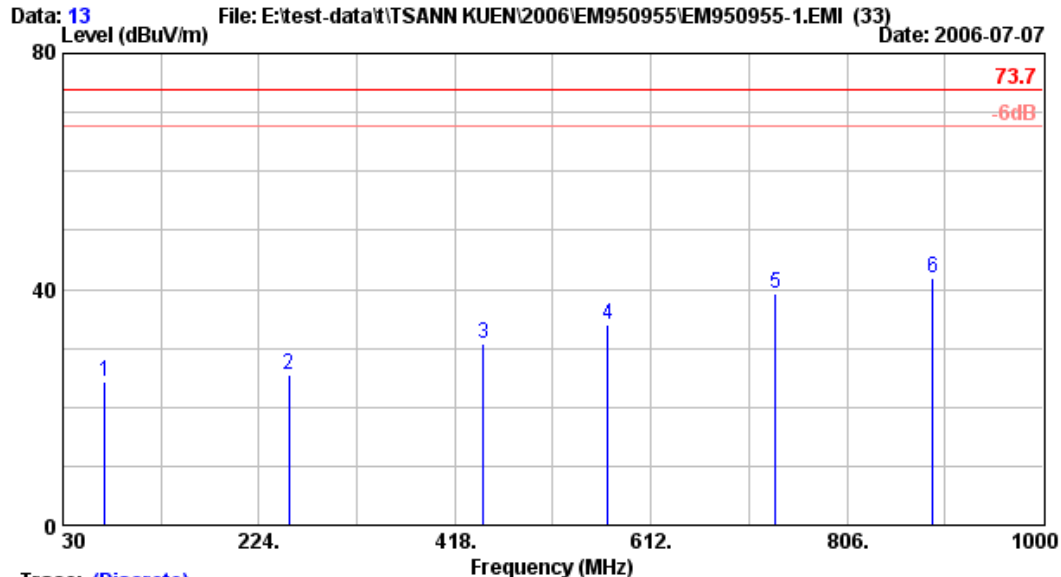
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POPCORN
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	63.950	13.06	1.67	4.55	19.28	73.70	54.42	QP
2	238.550	24.38	3.40	-2.08	25.70	73.70	48.00	QP
3	463.590	18.86	5.70	3.17	27.73	73.70	45.97	QP
4	619.760	21.24	6.20	-0.22	27.22	73.70	46.48	QP
5	798.240	24.92	6.90	-0.95	30.87	73.70	42.83	QP
6	935.980	26.53	7.50	-2.83	31.20	73.70	42.50	QP

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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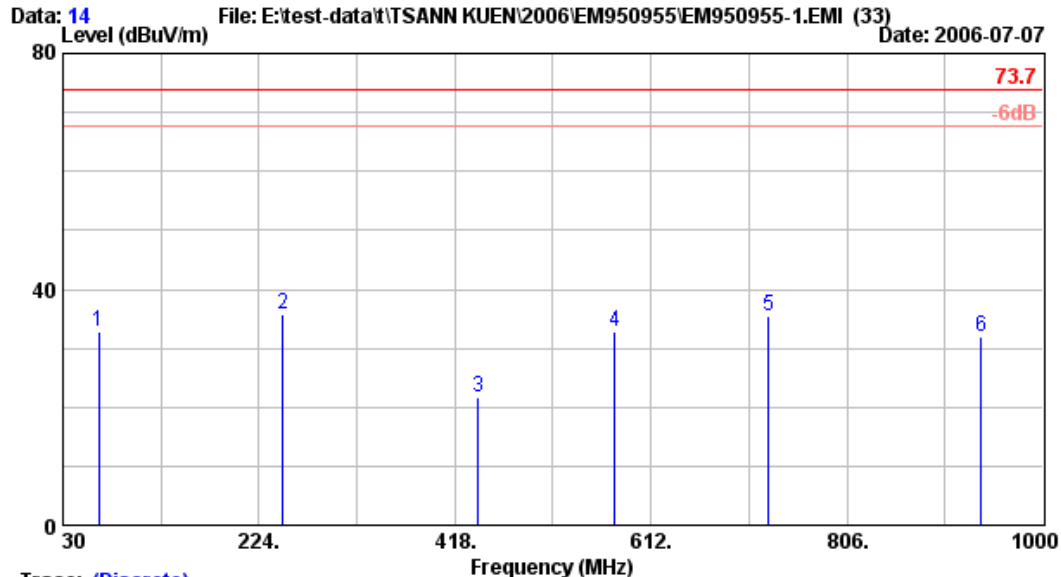
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : DEFROST
 700 milliliters of waters in the beaker
 located in the center of the oven

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	71.710	12.26	1.80	10.35	24.41	73.70	49.29	QP
2	254.070	24.13	3.60	-2.35	25.38	73.70	48.32	QP
3	446.130	17.59	5.40	7.85	30.84	73.70	42.86	QP
4	569.320	21.17	6.50	6.19	33.87	73.70	39.83	QP
5	735.190	22.18	6.68	10.39	39.25	73.70	34.45	QP
6	891.360	25.06	7.30	9.65	42.01	73.70	31.69	QP

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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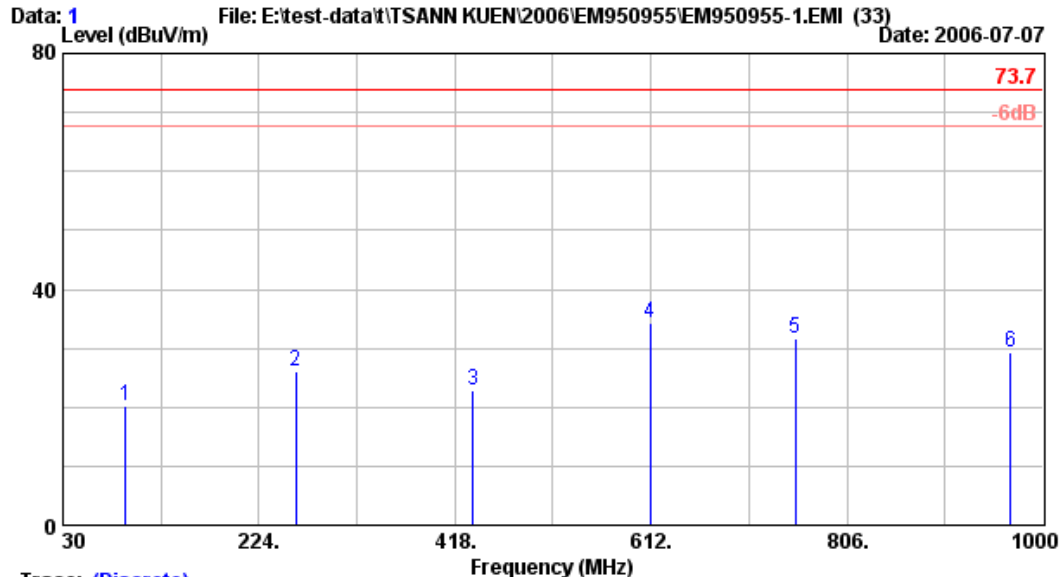
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : DEFROST
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1	65.890	12.69	1.70	18.54	32.93	73.70	40.77	QP
2	247.280	24.78	3.50	7.56	35.84	73.70	37.86	QP
3	441.280	17.40	5.30	-0.87	21.82	73.70	51.88	QP
4	576.110	21.86	6.40	4.70	32.96	73.70	40.74	QP
5	728.400	22.41	6.60	6.57	35.58	73.70	38.12	QP
6	938.890	26.70	7.50	-2.22	31.99	73.70	41.71	QP

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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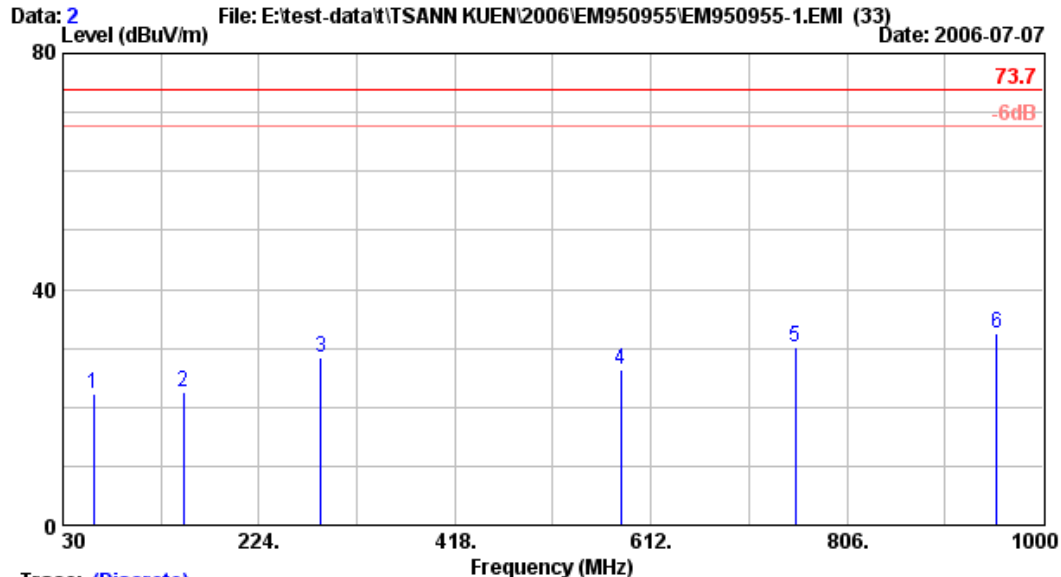
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 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : COOK(POTATO)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	92.080	16.08	2.00	2.03	20.10	73.70	53.60	QP
2	260.860	24.58	3.60	-2.14	26.04	73.70	47.66	QP
3	435.460	17.41	5.30	0.12	22.83	73.70	50.87	QP
4	611.030	21.41	6.30	6.55	34.26	73.70	39.44	QP
5	754.590	23.51	6.70	1.32	31.53	73.70	42.17	QP
6	967.990	26.90	7.69	-5.16	29.43	73.70	44.27	QP

Remarks: 1. Emission Level=Antenna Factor + Cable Loss + Reading
 2. The emission levels that are 20dB below the official
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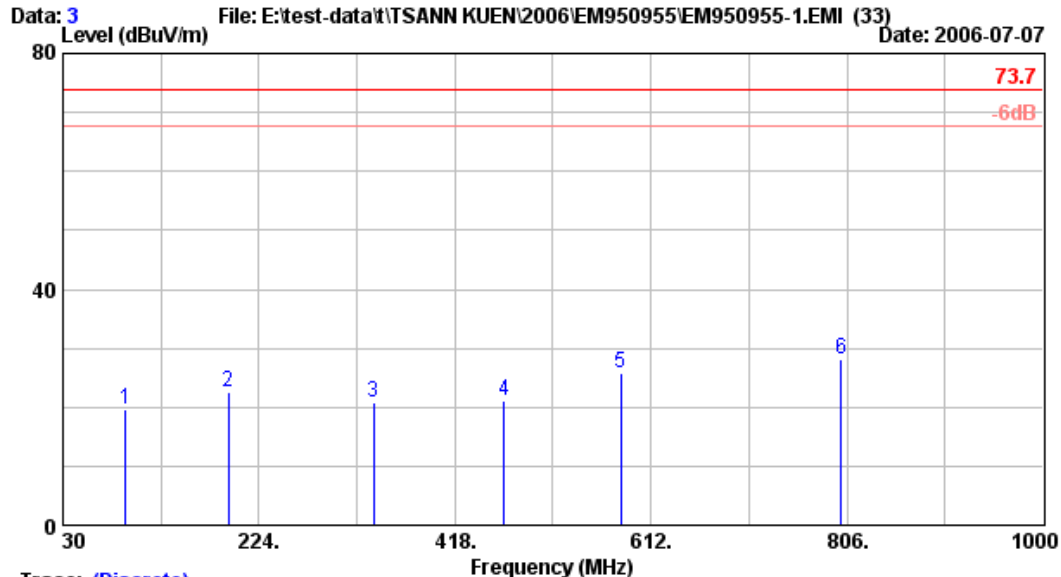
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 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : COOK(POTATO)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	60.070	13.44	1.60	7.25	22.28	73.70	51.42	QP
2	149.310	22.02	2.60	-1.95	22.67	73.70	51.03	QP
3	285.110	26.17	3.80	-1.62	28.34	73.70	45.36	QP
4	581.930	21.72	6.30	-1.65	26.37	73.70	47.33	QP
5	754.590	24.69	6.70	-1.19	30.20	73.70	43.50	QP
6	954.410	27.16	7.60	-2.29	32.47	73.70	41.23	QP

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)

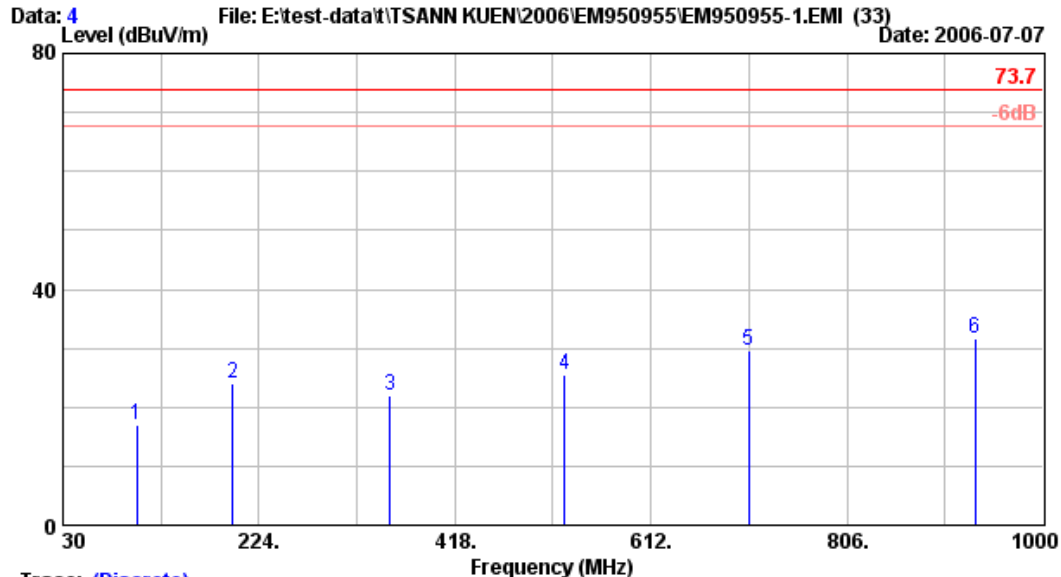
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : HORIZONTAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : REHEAT(CASSEROLE)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	92.080	16.08	2.00	1.62	19.69	73.70	54.01	QP
2	193.930	21.70	3.00	-2.27	22.43	73.70	51.27	QP
3	337.490	15.09	4.20	1.61	20.91	73.70	52.79	QP
4	466.500	18.18	5.80	-2.88	21.10	73.70	52.60	QP
5	581.930	20.91	6.30	-1.55	25.66	73.70	48.04	QP
6	800.180	24.14	6.90	-3.04	28.00	73.70	45.70	QP

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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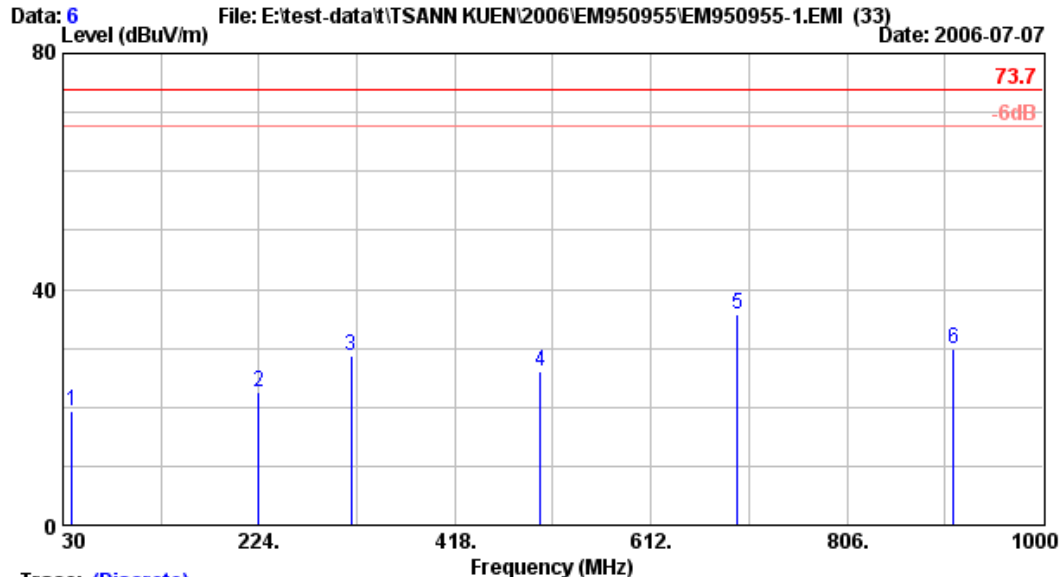
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 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : REHEAT(CASSEROLE)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1	102.750	17.72	2.10	-2.75	17.08	73.70	56.62	QP
2	197.810	22.65	3.00	-1.76	23.89	73.70	49.81	QP
3	353.980	15.84	4.30	1.87	22.02	73.70	51.68	QP
4	526.640	20.26	6.90	-1.55	25.61	73.70	48.09	QP
5	709.000	22.05	6.60	0.81	29.46	73.70	44.24	QP
6	933.070	26.27	7.50	-2.20	31.57	73.70	42.13	QP

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

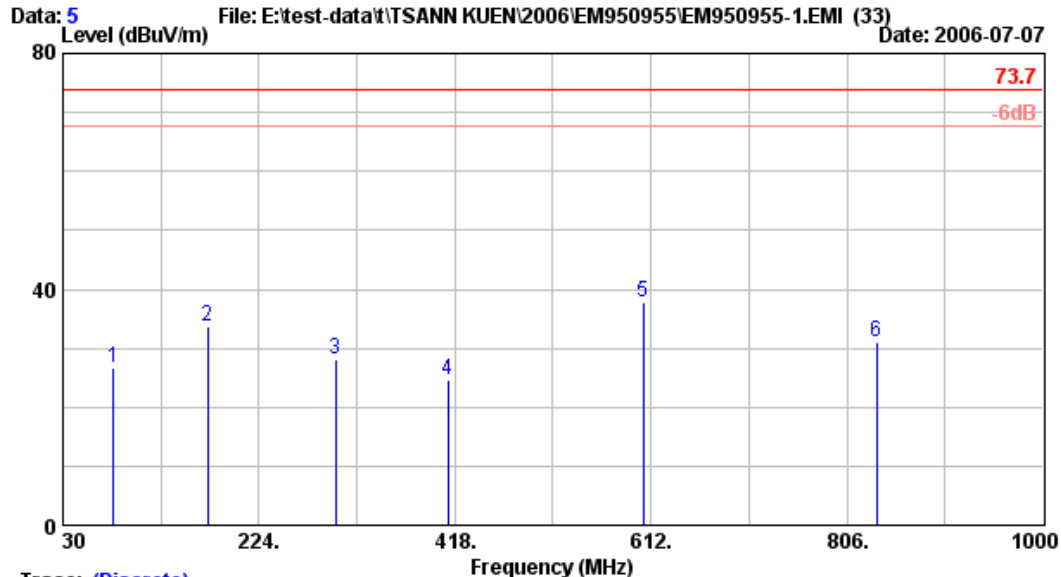
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 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : COMBI
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	38.730	21.21	1.20	-3.17	19.24	73.70	54.46	QP
2	224.000	21.96	3.30	-2.71	22.56	73.70	51.14	QP
3	315.180	14.71	4.01	9.95	28.67	73.70	45.03	QP
4	502.390	19.00	6.60	0.56	26.15	73.70	47.55	QP
5	697.360	23.32	6.50	5.84	35.66	73.70	38.04	QP
6	911.730	24.99	7.40	-2.38	30.01	73.70	43.69	QP

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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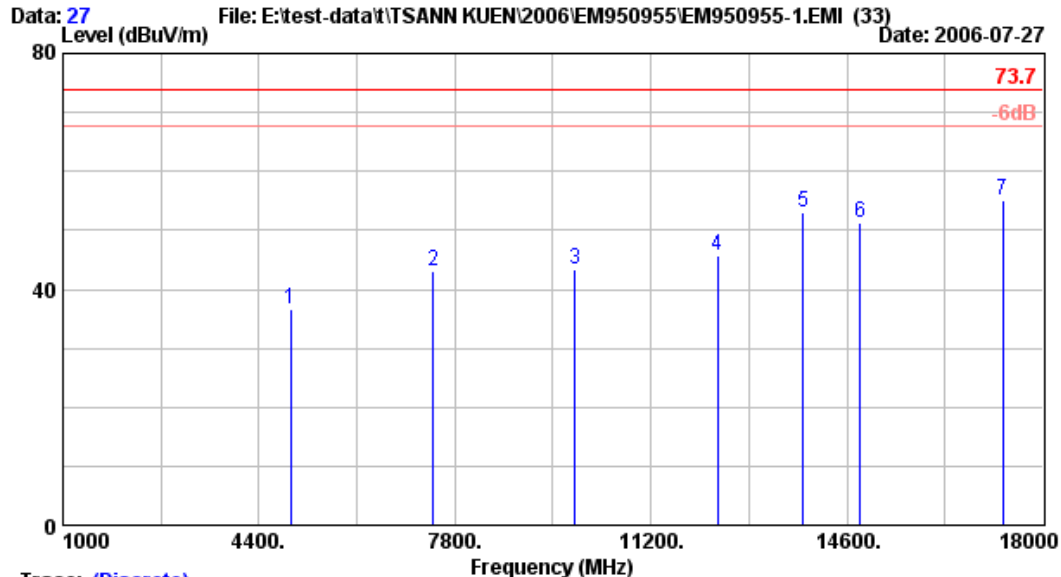
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 Dis. / Ant. : 3m VBA6106A/UHALP9108-A Ant. pol. : VERTICAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : COMBI
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
	Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	80.440	14.22	1.89	10.64	26.75	73.70	46.95	QP
2	173.560	20.30	2.80	10.62	33.72	73.70	39.98	QP
3	299.660	26.86	3.90	-2.63	28.13	73.70	45.57	QP
4	411.210	17.08	4.90	2.59	24.57	73.70	49.13	QP
5	604.240	21.69	6.30	9.85	37.84	73.70	35.86	QP
6	835.100	26.32	7.10	-2.39	31.03	73.70	42.67	QP

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)

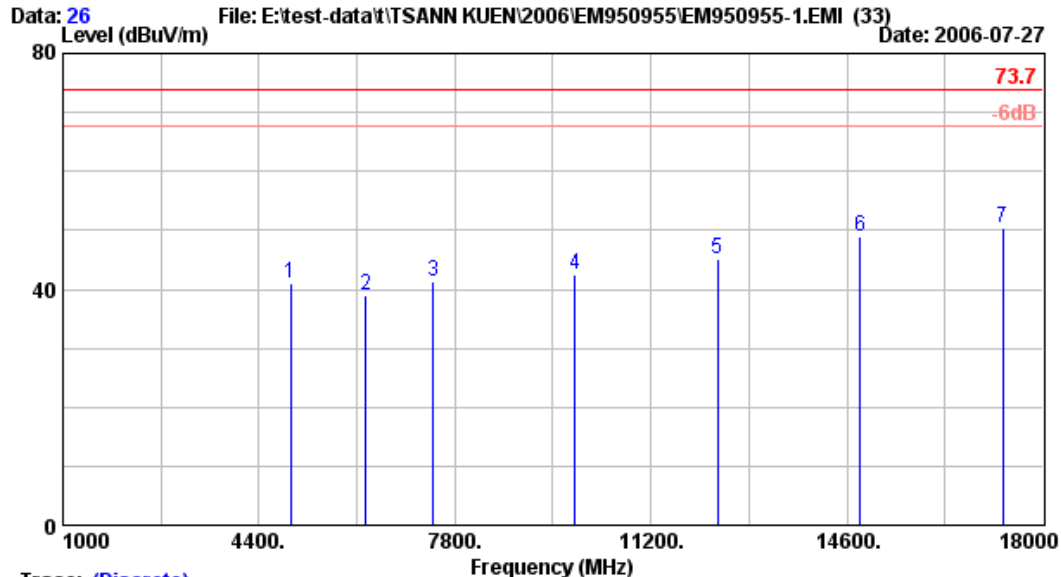
Site no. : A/C Chamber Data no. : 27
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 700 milliliters of waters in the beaker
 located in the center of the oven

	Freq.	Ant.	Cable		Emission			
	(MHz)	Factor	Loss	Reading	Level	Limits	Margin	Remark
		(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	
1	4944.800	33.96	9.10	-6.39	36.67	73.70	37.03	Average
2	7417.200	37.20	11.58	-5.68	43.09	73.70	30.61	Average
3	9889.600	38.57	12.89	-7.94	43.51	73.70	30.19	Average
4	12362.000	38.91	15.01	-8.14	45.78	73.70	27.92	Average
5	13835.000	42.53	16.12	-5.68	52.97	73.70	20.73	Average
6	14834.400	38.83	16.90	-4.34	51.40	73.70	22.30	Average
7	17306.800	43.96	17.37	-6.27	55.05	73.70	18.65	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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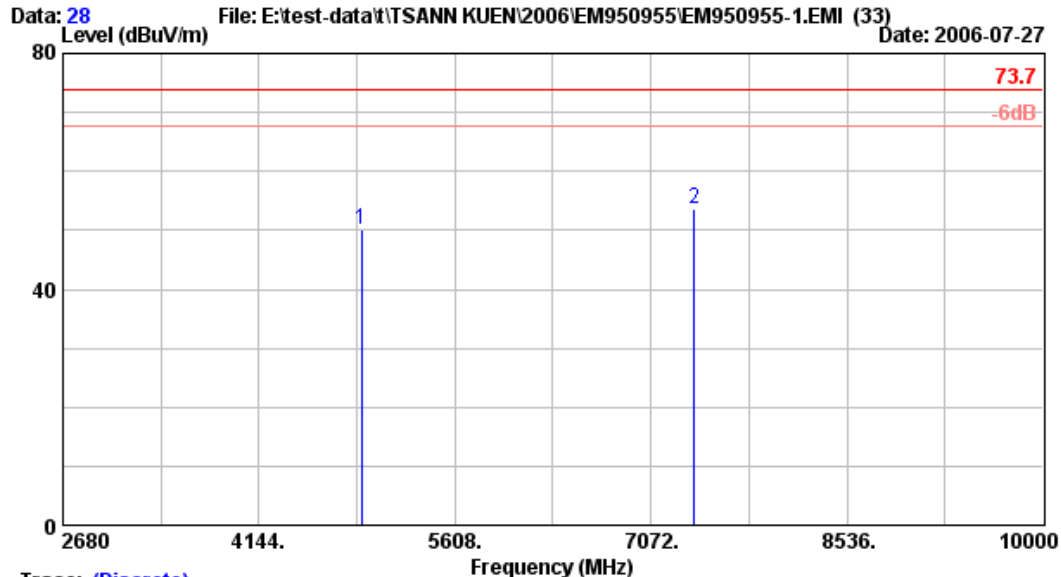
Site no. : A/C Chamber Data no. : 26
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 700 milliliters of waters in the beaker
 located in the center of the oven

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4944.800	33.96	9.10	-2.03	41.03	73.70	32.67	Average	
2 6253.000	34.85	10.40	-6.15	39.10	73.70	34.60	Average	
3 7417.200	37.20	11.58	-7.55	41.22	73.70	32.48	Average	
4 9889.600	38.57	12.89	-8.87	42.58	73.70	31.12	Average	
5 12362.000	38.91	15.01	-8.69	45.23	73.70	28.47	Average	
6 14834.400	38.83	16.90	-6.80	48.94	73.70	24.76	Average	
7 17306.800	43.96	17.37	-10.97	50.36	73.70	23.34	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)

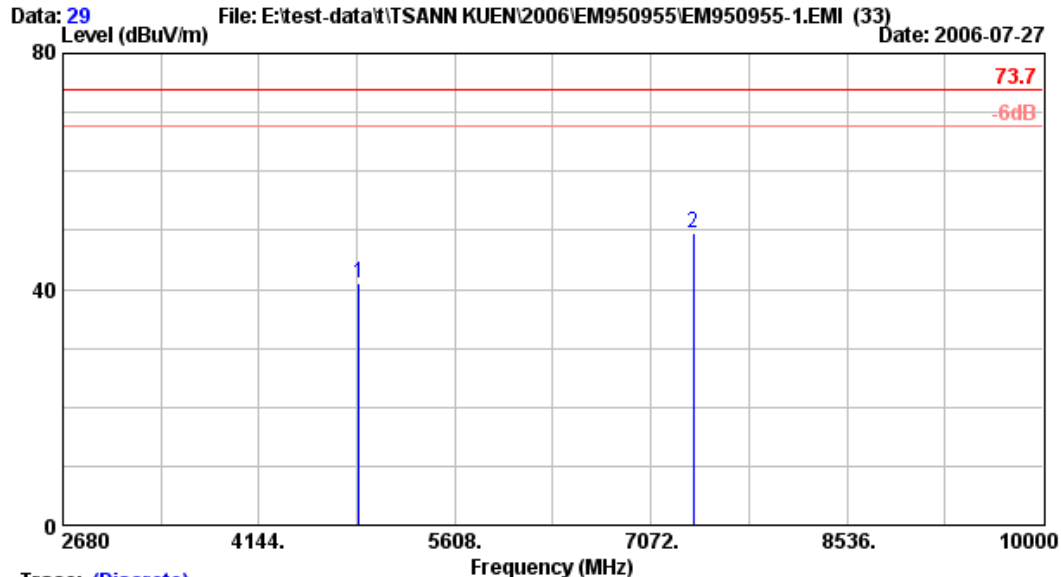
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 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 700 milliliters of waters in the beaker
 located in the right front corner

		Ant. Cable		Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4912.600	33.89	9.16	7.18	50.23	73.70	23.47	Average	
2 7394.080	37.15	11.54	4.86	53.55	73.70	20.15	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)

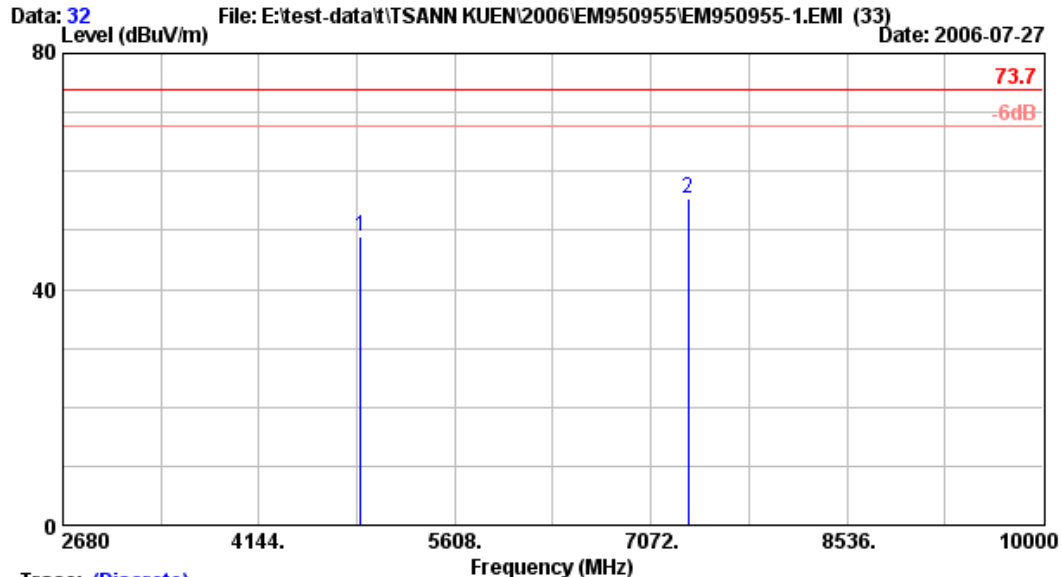
Site no. : A/C Chamber Data no. : 29
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 700 milliliters of waters in the beaker
 located in the right front corner

		Ant. Cable		Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4890.640	33.82	9.16	-1.99	41.00	73.70	32.70	Average	
2 7386.760	37.15	11.54	0.90	49.59	73.70	24.11	Average	

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

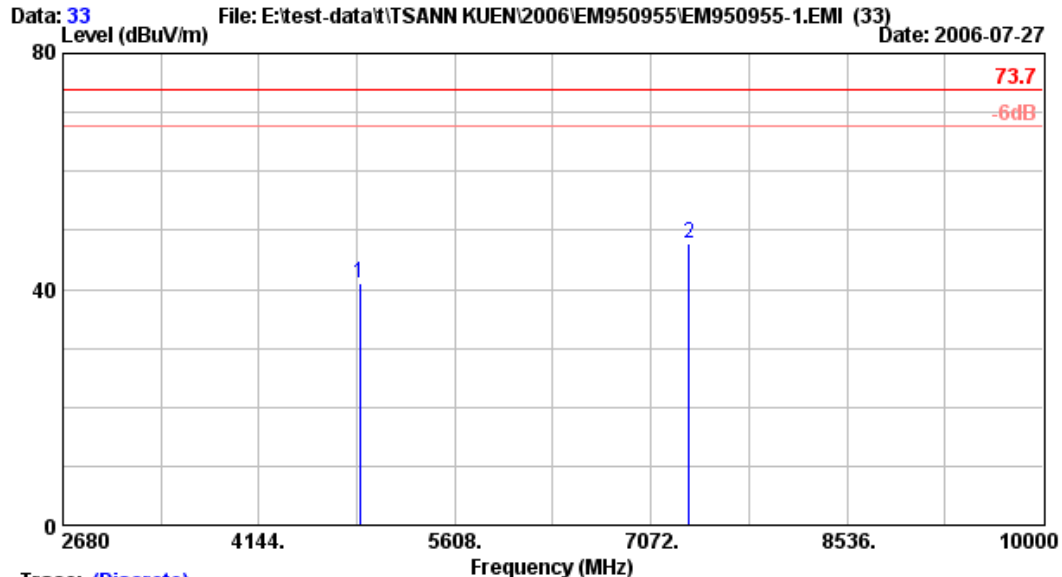
Site no. : A/C Chamber Data no. : 32
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 300 milliliters of waters in the beaker
 located in the center of the oven

		Ant. Cable		Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4905.280	33.85	9.16	5.86	48.88	73.70	24.82	Average	
2 7350.160	37.05	11.48	6.85	55.37	73.70	18.33	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)

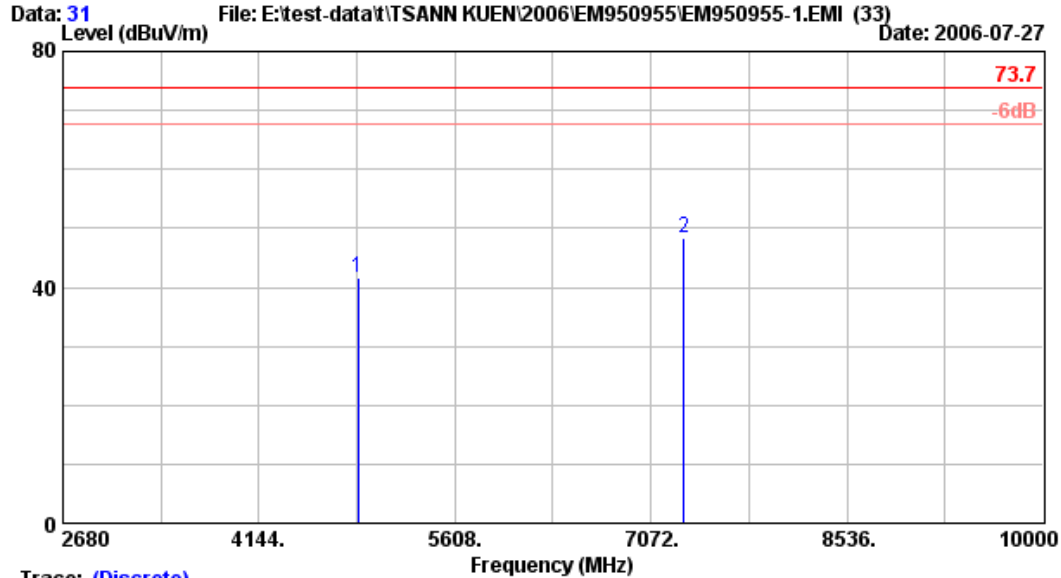
Site no. : A/C Chamber Data no. : 33
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 300 milliliters of waters in the beaker
 located in the center of the oven

		Ant. Cable		Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4897.960	33.85	9.16	-1.96	41.06	73.70	32.64	Average	
2 7357.480	37.05	11.48	-0.62	47.90	73.70	25.80	Average	

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

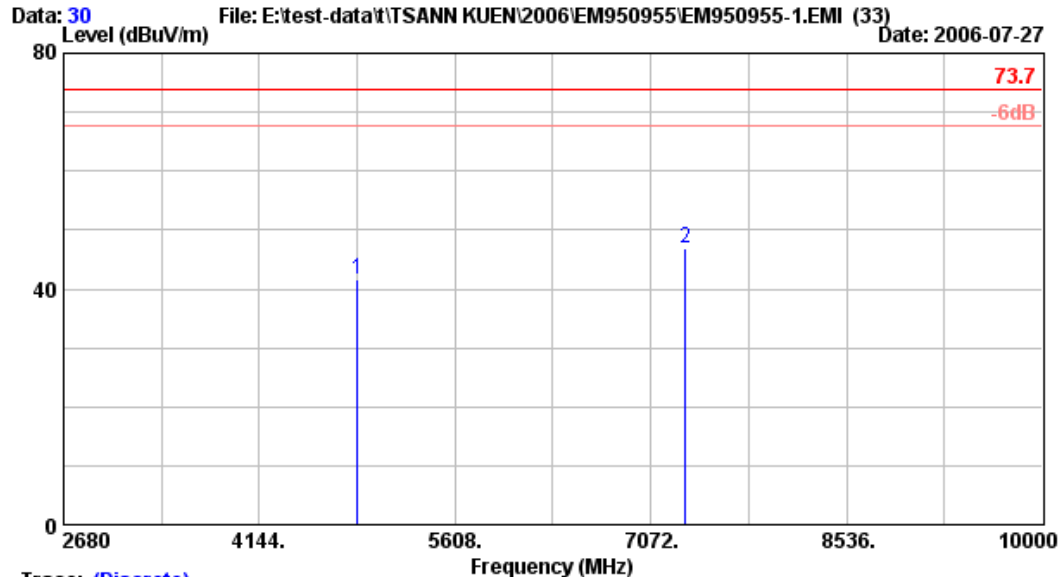
Site no. : A/C Chamber Data no. : 31
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 300 milliliters of waters in the beaker
 located in the right front corner

		Ant. Cable		Emission				
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4883.320	33.82	9.15	-1.41	41.56	73.70	32.14	Average	
2 7320.880	37.00	11.44	-0.01	48.43	73.70	25.27	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 : 73.7 dB μ V/m
 Env. / Ins. : 8593EM 22°C/41% Engineer : Cater Chou
 EUT : Microwave Oven M/N:TSK-M3204MEQ
 Power Rating : 120Vac/60Hz
 Test Mode : POWER(HI)
 300 milliliters of waters in the beaker
 located in the right front corner

		Ant.	Cable		Emission			
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)		
1 4876.000	33.78	9.15	-1.39	41.54	73.70	32.16	Average	
2 7328.200	37.00	11.44	-1.57	46.87	73.70	26.83	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

Test Model: TSK-M3204ME



Test Model: TSK-M3204MEQ



9.2. Photo of Output Frequency Measurement

Test Model: TSK-M3204ME



Test Model: TSK-M3204MEQ



9.3. Photo of Frequency Measurement

Test Model: TSK-M3204ME



Test Model: TSK-M3204MEQ



9.4. Photos of Conducted Emission Measurement

Test Model: TSK-M3204ME



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT

Test Model: TSK-M3204MEQ



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT

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

Test Model: TSK-M3204ME



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT

Test Model: TSK-M3204MEQ



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT

9.6. Photos of Radiated Measurement at Semi-Anechoic Chamber (Above 1GHz)

Test Model: TSK-M3204ME



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT

Test Model: TSK-M3204MEQ



FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT