

Prüfbericht - Nr.: 16029851 001
Test Report no.:
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Auftraggeber: ZHONGSHAN GUANGMAO ELECTRIC APPLIANCES CO., LTD.
Client: NO9,FUMIN ROAD,MIN AN VILLAGE,NAN TOU TOWN
 GUANGDONG CHINA

Gegenstand der Prüfung: Induction Cooktop
Test item:
Bezeichnung: See remark* below
Identification:
FCC ID:
FCC ID
ZNU-SR182-652
Wareneingangs-Nr.: 173059269
Receipt no.:
Eingangsdatum: 23.Feb.2011
Date of receipt:
Prüfort: TÜV Rheinland (Guangdong) Ltd. EMC
Testing location:
 Laboratory
 Guangzhou Auto Market, Yuan Gang Section of
 Guangshan Road, Guangzhou 510650
 P. R. China

 Listed test laboratory
 according to FCC rules
 section 2.948 for
 measuring devices under
 Parts 18

Prüfgrundlage: FCC Part 18: 2009-10-1
Test specification:
 Conduct Emissions with limits described at section 18.307 (a)
 Radiated Emissions with limits described at section 18.305 (b)

Prüfergebnis: Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n).
Test result:
 The test item passed the test specification(s).

Prüflaboratorium: TÜV Rheinland (Guangdong) Ltd.
Testing laboratory:
geprüft / tested by: kontrolliert/ reviewed by:

 12.Jul.2011 Cherry He
 Project Manager

 Datum Name/ Stellung
 Date Name/Position
 Unterschrift
 Signature

13. Jul. 2011

 Liangdong Xie
 Project Manager

 Unterschrift
 Signature

Sonstiges/ Other aspects:
Remark* SR-182C, SR-183C, SR-652C,
 SR-182R, SR-183R, SR-652R,
 IH-11A, IH-11B, IH-11C, IH-11D, IH-11E

Abkürzungen: P(ass) = entspricht Prüfgrundlage
 F(fail) = entspricht nicht Prüfgrundlage
 N/A = nicht anwendbar
 N/T = nicht getestet

Abbreviations: P(ass) = passed
 F(fail) = failed
 N/A = not applicable
 N/T = not tested

Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

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TEST SUMMARY

5.1 CONDUCTED EMISSION FOR FCC PART 18 PER SECTION 18.307 (A)

RESULT: Pass

5.2 RADIATED EMISSION FOR FCC PART 18 PER SECTION 18.305 (B)

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test Result

2 Test Sites

2.1 Test Facilities

1) TÜV Rheinland (Guangdong) Ltd. EMC Laboratory

Guangzhou Auto Market, Yuan Gang Section of Guangshan Road
Guangzhou 510650
P. R. China

2) SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

198 Kezhu Road, Scientech Park,
Guangzhou Economic & Technology Development District
Guangzhou, Guangdong, China 510663

The test at these test sites has been conducted under the supervision of a TÜV Rheinland engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Type	Manufacturer	S/N	Calibrated until
TÜV Rheinland (Guangdong) Ltd. EMC Laboratory				
EMI Test Receiver	ESCI	Rohde & Schwarz	100216	16.03.2012
Trilog-Broadband Antenna	VULB9168	Schwarzbeck	210	16.03.2012
Loop Antenna	HFH2-Z2	Rohde & Schwarz	100111	16.03.2012
Band Reject Filter	BRM50702	Micro-Tronics	023	16.03.2012
3m Semi-anechoic chamber	---	Albatross Projects	---	16.03.2012
EMI Test Receiver	ESCS30	Rohde & Schwarz	100316	16.03.2012
Noise generator	DM8899	DM	607014	16.03.2012
Artificial Mains Network	ESH2-Z5	Rohde&Schwarz	100114	16.03.2012
SGS-CSTC Standards Technical Services Co., Ltd.				
EMI Test Receiver	Rohde&Schwarz	ESIB26	100249	28.01.2012
Bi-log Type Antenna	Schaffner-Chase	CBL6112B	2966	08.10.2011
Bi-log Type Antenna	Schaffner-Chase	CBL6143	5070	08.10.2011
310N Amplifier	Sonama	310N	272683	10.09.2011
10m Semi-Anechoic Chamber	ETS	N/A	N/A	10.08.2011
Active Loop Antenna	EMCO	6502	00042963	09.08.2011
EMI Test Receiver	Rohde&Schwarz	ESIB26	100249	28.01.2012

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for conducted emissions measurements is ± 2.68 dB. The estimated combined standard uncertainty for radiated emissions measurements at TUV is ± 4.94 dB, at SGS is ± 2.468 dB.

2.6 Location of original data

The original copies of all test data taken during actual testing were attached on appendix1 of this report and delivered to the applicant. A copy has been retained in the TUV Rheinland (Guangzhou) file for certification follow-up purposes.

2.7 Status of facility used for testing

TÜV Rheinland (Guangdong) Ltd. EMC Laboratory; Guangzhou Auto Market, Yuan Gang Section of Guangshan Road, Guangzhou 510650, P. R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements, the register no. 833845.

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch, 198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, Guangdong, China 510663, is listed on the US Federal Communications Commission list of facilities approved to perform measurements, the register no. 282399.

3 General Product Information

Brief description of the test sample:

The submitted samples SR-182C, SR-183C, SR-652C, SR-182R, SR-183R, SR-652R, IH-11A, IH-11B, IH-11C, IH-11D and IH-11E are Induction Cookers with electronic control. The differences among them are as below:

- The five basic models SR-182C, SR-183C, SR-652C, SR-182R and SR-652R have the same main control PCB, but display PCB is different
- The models SR-183R are the same as SR-182R except the model name.
- The five basic models all have another manufacturer names, the relationship is as below:

SR-182C----- IH-11A

SR-183C----- IH-11B

SR-652C----- IH-11C

SR-182R----- IH-11D

SR-652R----- IH-11E

According to above information, all the tests are performed on five basic models SR-182C, SR-183C, SR-652C, SR-182R and SR-652R respectively.

3.1 Product Function and Intended Use

For details, refer to Technical Documentation and the User Manual.

3.2 Ratings and System Details

Type designation	SR-182C IH-11A	SR-183C IH-11B	SR-652C IH-11C	SR-182R SR-183R IH-11D	SR-652R IH-11E
Power Consumption	1800W	1800W	650W	1800W	650W
System input voltage	AC 120V, 60Hz				
Protection class	I				

Refer to this report Technical Documentation for further information.

3.3 Independent Operation Modes

The basic operation modes are:

- A: On
 - Power adjustable
 - Temperature adjustable
 - Timer
- B: Off

3.4 Submitted Documents

- Block Diagram
- Circuit Diagram
- PCB Layout
- External Photo
- Internal Photo
- Label and Location
- User Manual

4 Test Set-up and Operation Mode

4.1 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Refer to Test set-up in chapter 5.

4.3 Special Accessories and Auxiliary Equipment

Cooking Vessel (provided by manufacturer):

Material: stainless steel

Contact surface diameter 18cm, Top surface diameter 27cm

4.4 Countermeasures to achieve EMC Compliance

No additional countermeasures to the submitted test sample(s) were employed to achieve compliance.

4.5 Test set-up

Diagram 1 of Measurement Equipment Configuration for Testing Conducted Emission

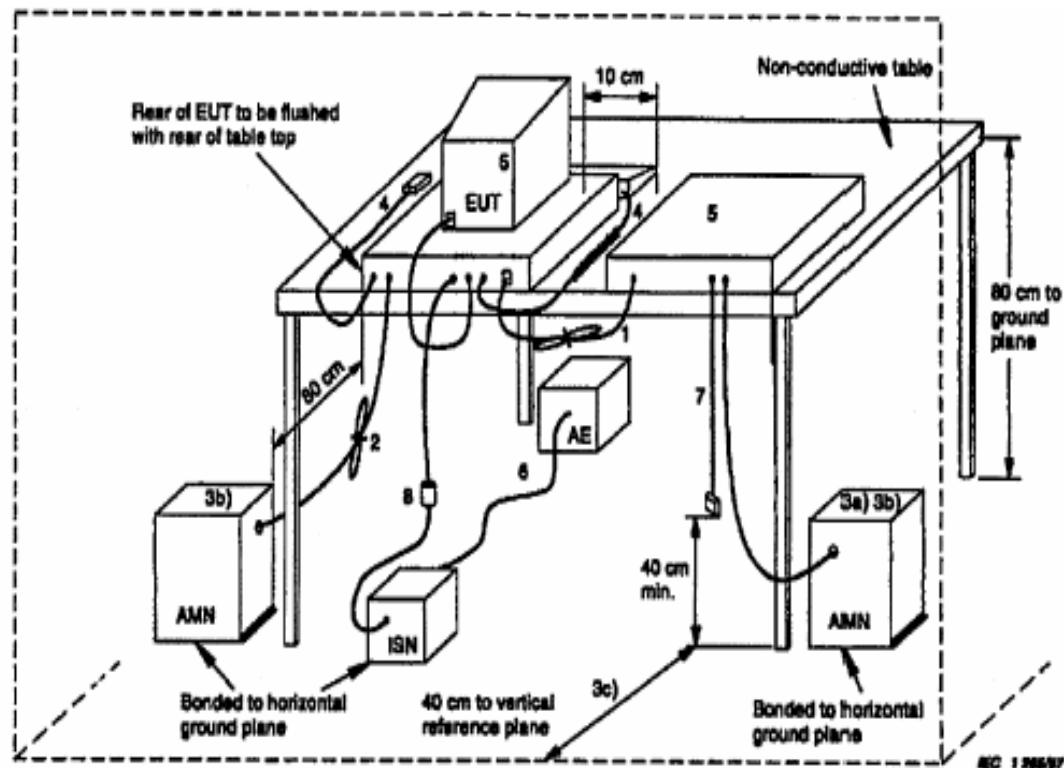
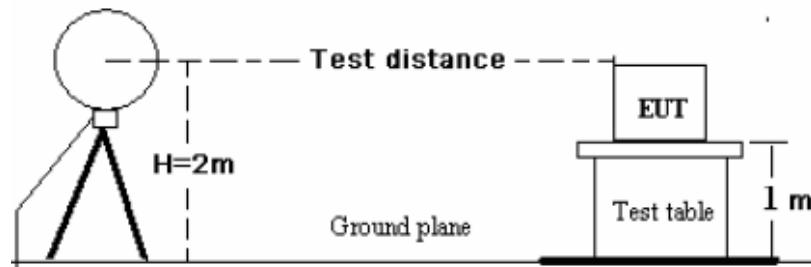
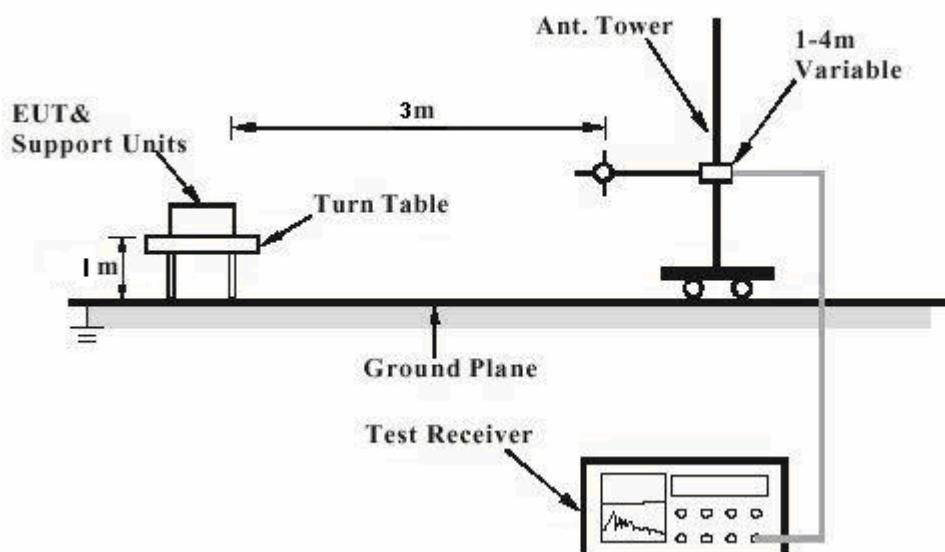


Diagram 2 of Measurement Equipment Configuration for Testing Radiated Emission

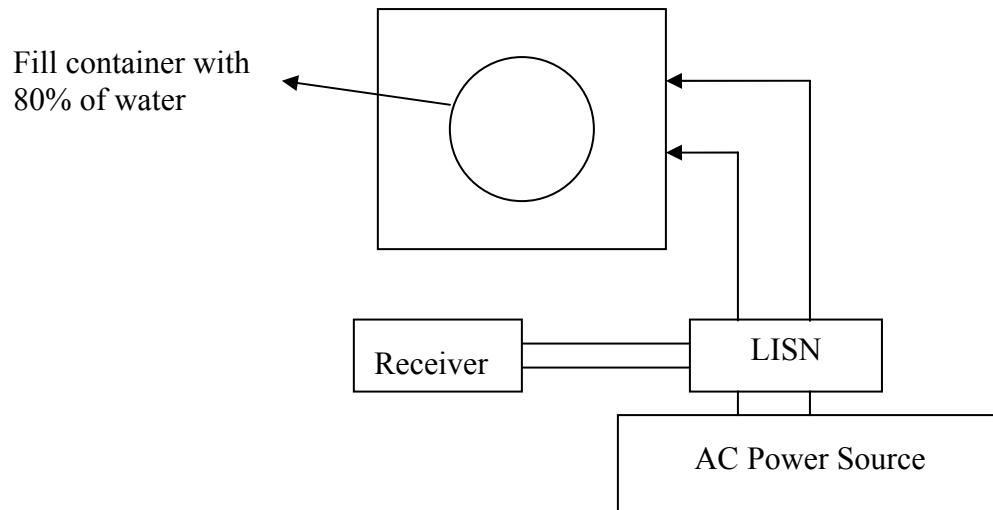
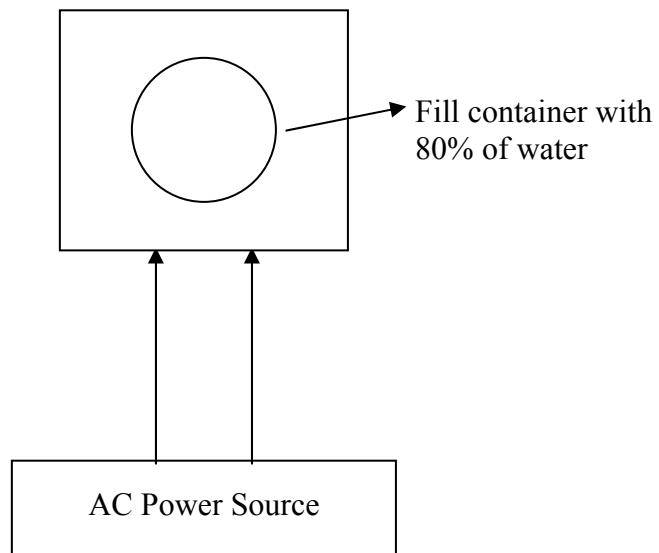
Active loop antenna with pre-amplifier



10m Semi-anechoic chamber (for 9 kHz-30 MHz)



3m Semi-anechoic chamber (for 30 MHz-1 GHz)

Diagram 3 of Equipment Configuration for Testing Conducted Emission**Diagram 4 of Equipment Configuration for Testing Radiated Emission**

5 Test Results EMISSION

5.1 Conducted Emission for FCC Part 18 per Section 18.307(a)

RESULT: Pass

Date of testing	:	12.May.2011
Test specification	:	FCC Part 18 Per Section 18.307(a)
Limits	:	FCC Part 18 Per Section 18.307(a)
Deviations from Standard Test procedures	:	None
Test procedure	:	Procedure specified in FCC/OST MP-5 were followed
Kind of test site	:	Shielded room
Operation mode	:	A: On with max. power
Temperature	:	23°C
Humidity	:	50%

Test procedure:

1. Place the EUT as specified in FCC/OST MP-5 Clause 7. 1
2. Plug the LISN to a correct power source (pay attention to: AC/DC, voltage, frequency).
3. Connect the EUT to LISN.
4. Connect ESCS30 and LISN via a 50-ohm coaxial cable and a pulse limiter then begin exploratory measurement.
5. Make final measurement.

If the result of the measurement with the Quasi Peak detector is below the Average limit, the measurement with Average Detector may be omitted.

Please see appendix1 for details.

5.2 Radiated Emission for FCC Part 18 per Section 18.305(b)

RESULT:

Pass

Date of testing	:	28.May.2011
Test specification	:	FCC Part 18 Per Section 18.305(b)
Limits	:	FCC Part 18 Per Section 18.305(b)
Deviations from Standard Test procedures	:	None
Test procedure	:	Procedure specified in FCC/OST MP-5 were followed
Kind of test site	:	10m Semi-anechoic chamber (for 9kHz-30MHz) 3m Semi-anechoic chamber (for 30MHz-1GHz)
Operation mode	:	A: On with max. power
Temperature	:	23°C
Humidity	:	50%

Test procedure:

9 kHz-30MHz

1. An initial pre-scan was performed in the 10m chamber using the spectrum analyzer in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by a 0.6m loop antenna.
2. The loop antenna was set to the vertical X, for suspected emission frequency point the antenna was rotated 180 degrees and the maximum emission value was recorded.
3. Then the loop antenna was set to the horizontal Z axis, step 1 is repeated.
3. For each suspected emission frequency point recorded in step 1, the EUT was arranged to its worst case and the EUT was turned from 0 degrees to 360 degrees to read the maximum emission.

30MHz-1GHz

1. The EUT was turned on and placed on the top of a rotatable table 1 meter above the ground with 3-orthogonal XYZ direction and be kept close enough to the measurement receiving antenna (especially for the measurement frequency range above 30MHz). The table was then rotated 360 degrees to detect the suspected emission frequency points. The position of the worst radiation case with both horizontal and vertical receiving antenna polarization was then recorded together with the suspected emission frequency points above-mentioned.

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2. The EUT was then set 3 meters away from the receiving antenna, which was mounted on a variable-height antenna tower.
3. For each suspected emission frequency point recorded in step 1, the EUT was arranged to its worst case that the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to read the maximum emission.

The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 200Hz for frequency 9kHz to 150kHz, 9kHz for frequency 150kHz to 30MHz and 120 kHz for frequency 30MHz to 1GHz.

Please see appendix1 for details.

6 Photographs of the Test Set-Up

Photograph 1: Set-up for Conducted Emission



SR-182C



SR-183C

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SR-652C



SR-182R

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SR-652R

Remark: The test set-up photos of all the models are the same, therefore for following test items, only one model's photo is shown.

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Photograph 2: Set-up for Radiated Emission



9 kHz – 30 MHz (10m distance)

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30MHz - 1GHz (3m distance)

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

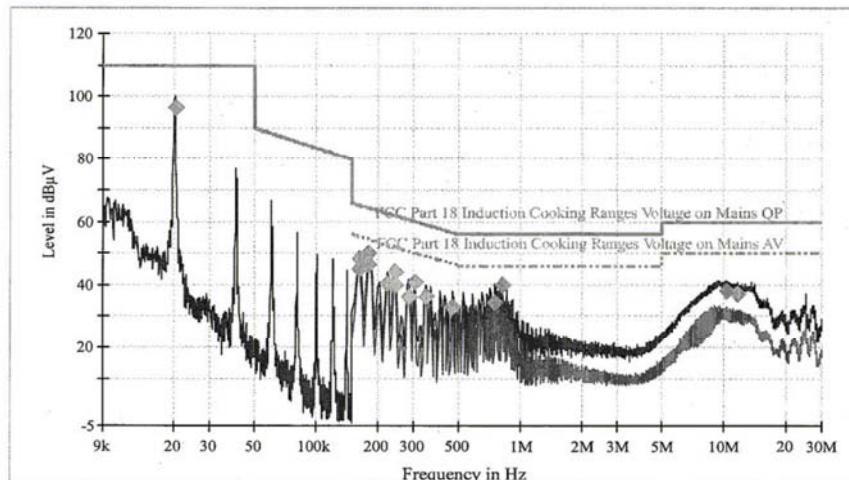
EMC Test Record (EMISSION)

Test Information

Manufacturer: Guangmao
Test Item: Induction Hotplate
Identification: SR-182C
Test Standard: FCC Part 18
Test Detail: Conducted Emission
Operation Mode: A
Climate Condition: 23°C; 50%RH; 101kPa.
Test Voltage/ Freq.: AC 120V/ 60Hz
Port / Line: AC Mains/N
Receipt No.: 173059269
Report No.: 16029851 001
Result: Pass
Comment: /
Hardware Setup: 1phase LISN ESH3-Z5 to ESCS 30
Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
9kHz - 150kHz	Peak	200Hz	100Hz	50ms	ESCS 30
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCS 30

FCC Part 18 DV ESH3-Z5 9k to 30M ESCS30



5/3/2011, 22:53:56

Tested by: 

Reviewed by: 

Conducted Emission

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Test Report No.:

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Final Result 1

Frequency (MHz)	QuasiPeak (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.020300	98.5	1000.0	0.200	N	10.3	13.5	110.0	
0.163500	48.2	1000.0	9.000	N	10.2	17.1	65.3	
0.181500	49.9	1000.0	9.000	N	10.2	14.5	64.4	
0.244500	44.0	1000.0	9.000	N	10.2	17.9	61.9	
0.303000	41.0	1000.0	9.000	N	9.9	19.2	60.2	
0.811500	40.0	1000.0	9.000	N	10.0	16.0	56.0	
10.329000	38.0	1000.0	9.000	N	10.7	22.0	60.0	
11.737500	37.3	1000.0	9.000	N	10.8	22.7	60.0	

Final Result 2

Frequency (MHz)	Average (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.163500	45.0	1000.0	9.000	N	10.2	10.3	55.3	
0.181500	46.4	1000.0	9.000	N	10.2	8.0	54.4	
0.222000	40.6	1000.0	9.000	N	10.1	12.1	52.7	
0.244500	39.9	1000.0	9.000	N	10.2	12.0	51.9	
0.285000	36.4	1000.0	9.000	N	9.9	14.3	50.7	
0.343500	36.4	1000.0	9.000	N	9.9	12.7	49.1	
0.465000	33.1	1000.0	9.000	N	10.0	13.5	46.6	
0.748500	34.4	1000.0	9.000	N	10.0	11.6	46.0	

5/3/2011, 22:53:56

Tested by:



Reviewed by:



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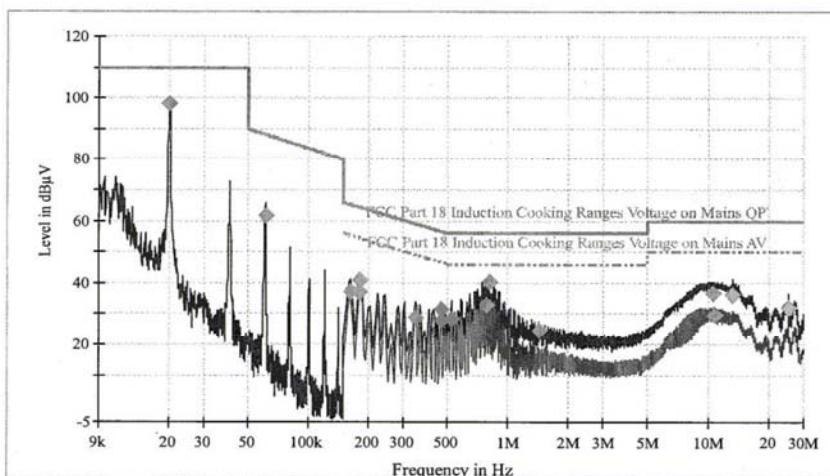
EMC Test Record (EMISSION)

Test Information

Manufacturer: Guangmao
Test Item: Induction Hotplate
Identification: SR-182C
Test Standard: FCC Part 18
Test Detail: Conducted Emission
Operation Mode: A
Climate Condition: 23°C; 50%RH; 101kPa.
Test Voltage/ Freq.: AC 120V/ 60Hz
Port / Line: AC Mains/L1
Receipt No.: 173059269
Report No.: 16029851 001
Result: Pass
Comment: /
Hardware Setup: 1phase LISN ESH3-Z5 to ESCS 30
Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
9kHz - 150kHz	Peak	200Hz	100Hz	50ms	ESCS 30
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCS 30

FCC Part 18 DV ESH3-Z5 9k to 30M ESCS30



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Tested by: _____

Reviewed by: _____



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Final Result 1

Frequency (MHz)	QuasiPeak (dB µ V)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µ V)	Comment
0.020200	98.1	1000.0	0.200	L1	10.4	11.9	110.0	
0.060800	61.9	1000.0	0.200	L1	10.2	26.3	88.2	
0.181500	41.0	1000.0	9.000	L1	10.2	23.4	64.4	
0.465000	31.8	1000.0	9.000	L1	10.0	24.8	56.6	
0.811500	40.2	1000.0	9.000	L1	10.0	15.8	56.0	
1.432500	24.7	1000.0	9.000	L1	10.1	31.3	56.0	
10.608000	36.5	1000.0	9.000	L1	10.5	23.5	60.0	
13.182000	36.1	1000.0	9.000	L1	10.7	23.9	60.0	

Final Result 2

Frequency (MHz)	Average (dB µ V)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µ V)	Comment
0.163500	37.1	1000.0	9.000	L1	10.2	18.2	55.3	
0.181500	37.2	1000.0	9.000	L1	10.2	17.2	54.4	
0.343500	28.6	1000.0	9.000	L1	10.0	20.5	49.1	
0.465000	28.1	1000.0	9.000	L1	10.0	18.5	46.6	
0.523500	28.5	1000.0	9.000	L1	10.1	17.5	46.0	
0.789000	33.2	1000.0	9.000	L1	10.0	12.8	46.0	
10.630500	29.6	1000.0	9.000	L1	10.5	20.4	50.0	
25.228500	32.1	1000.0	9.000	L1	11.2	17.9	50.0	

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Tested by: 

Reviewed by: 

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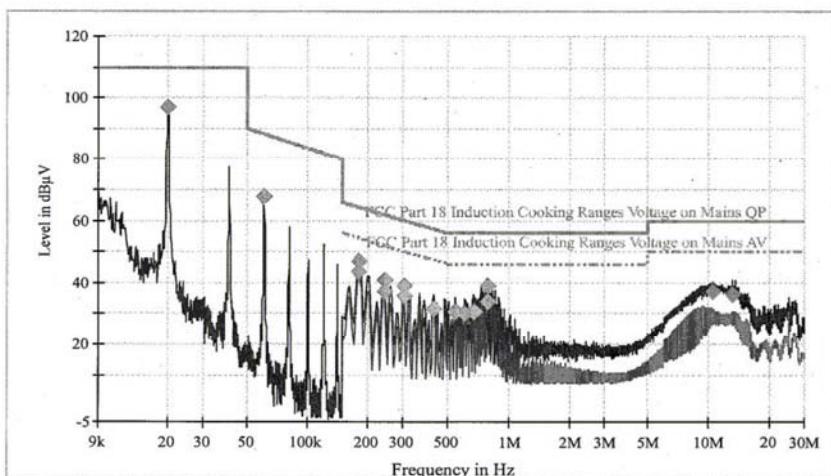
EMC Test Record (EMISSION)

Test Information

Manufacturer: Guangmao
Test Item: Induction Hotplate
Identification: SR-183C
Test Standard: FCC Part 18
Test Detail: Conducted Emission
Operation Mode: A
Climate Condition: 23°C; 50%RH; 101kPa.
Test Voltage/ Freq.: AC 120V/ 60Hz
Port / Line: AC Mains/N
Receipt No.: 173059269
Report No.: 16029851 001
Result: Pass
Comment: /
Hardware Setup: 1phase LISN ESH3-Z5 to ESCS 30
Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
9kHz - 150kHz	Peak	200Hz	100Hz	50ms	ESCS 30
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCS 30

FCC Part 18 DV ESH3-Z5 9k to 30M ESCS30



5/3/2011, 21:42:22

Tested by: _____



Reviewed by: _____



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EMC Test Service Hotline: +86-20-28391188

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.020200	97.0	1000.0	0.200	N	10.3	13.0	110.0	
0.060600	67.6	1000.0	0.200	N	10.1	20.6	88.2	
0.181500	46.8	1000.0	9.000	N	10.2	17.6	64.4	
0.244500	41.0	1000.0	9.000	N	10.2	20.9	61.9	
0.303000	38.9	1000.0	9.000	N	9.9	21.3	60.2	
0.789000	39.1	1000.0	9.000	N	10.0	16.9	56.0	
10.464000	37.2	1000.0	9.000	N	10.7	22.8	60.0	
13.182000	36.4	1000.0	9.000	N	10.8	23.6	60.0	

Final Result 2

Frequency (MHz)	Average (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.181500	43.5	1000.0	9.000	N	10.2	10.9	54.4	
0.244500	37.4	1000.0	9.000	N	10.2	14.5	51.9	
0.303000	35.8	1000.0	9.000	N	9.9	14.4	50.2	
0.424500	31.4	1000.0	9.000	N	10.0	16.0	47.4	
0.546000	30.4	1000.0	9.000	N	10.1	15.6	46.0	
0.604500	30.2	1000.0	9.000	N	10.0	15.8	46.0	
0.667500	30.8	1000.0	9.000	N	10.0	15.2	46.0	
0.789000	34.1	1000.0	9.000	N	10.0	11.9	46.0	

5/3/2011, 21:42:22

Tested by:



Reviewed by:



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

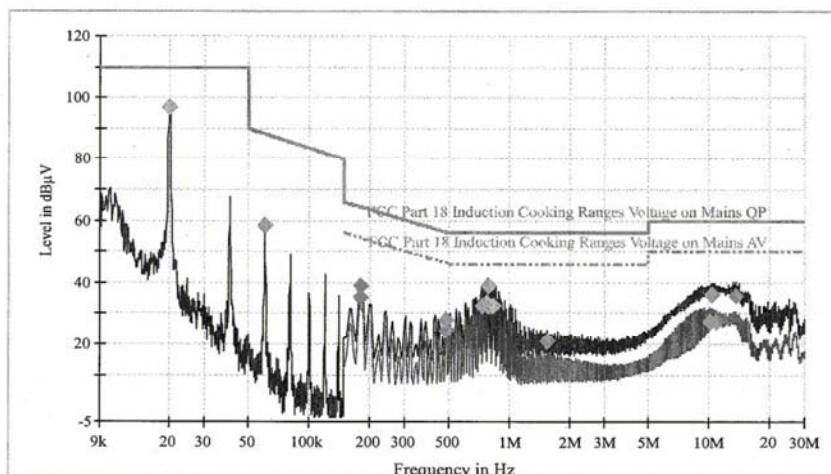
Test Information

Manufacturer: Guangmao
Test Item: Induction Hotplate
Identification: SR-183C
Test Standard: FCC Part 18
Test Detail: Conducted Emission
Operation Mode: A
Climate Condition: 23°C; 50%RH; 101kPa.
Test Voltage/ Freq.: AC 120V/ 60Hz
Port / Line: AC Mains/L
Receipt No.: 173059269
Report No.: 16029851 001
Result: Pass
Comment: /

Hardware Setup: 1phase LISN ESH3-Z5 to ESCS 30
Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
9kHz - 150kHz	Peak	200Hz	100Hz	50ms	ESCS 30
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCS 30

FCC Part 18 DV ESH3-Z5 9k to 30M ESCS30



5/3/2011, 21:25:54

Tested by: 

Reviewed by: 

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Final Result 1

Frequency (MHz)	QuasiPeak (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.020200	97.0	1000.0	0.200	L1	10.4	13.0	110.0	
0.060500	58.4	1000.0	0.200	L1	10.2	29.9	88.3	
0.181500	38.9	1000.0	9.000	L1	10.2	25.5	64.4	
0.483000	28.0	1000.0	9.000	L1	10.0	28.3	56.3	
0.789000	38.9	1000.0	9.000	L1	10.0	17.1	56.0	
1.554000	20.8	1000.0	9.000	L1	10.1	35.2	56.0	
10.378500	36.1	1000.0	9.000	L1	10.5	23.9	60.0	
13.708500	35.7	1000.0	9.000	L1	10.7	24.3	60.0	

Final Result 2

Frequency (MHz)	Average (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.181500	35.5	1000.0	9.000	L1	10.2	18.9	54.4	
0.483000	24.9	1000.0	9.000	L1	10.0	21.4	46.3	
0.726000	32.7	1000.0	9.000	L1	10.0	13.3	46.0	
0.766500	33.5	1000.0	9.000	L1	10.0	12.5	46.0	
0.784500	32.5	1000.0	9.000	L1	10.0	13.5	46.0	
0.825000	32.6	1000.0	9.000	L1	10.0	13.4	46.0	
10.153500	27.2	1000.0	9.000	L1	10.5	22.8	50.0	
10.981500	27.4	1000.0	9.000	L1	10.6	22.6	50.0	

5/3/2011, 21:25:54

Tested by: _____



Reviewed by: _____



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EMC Test Service Hotline: +86-20-28391188

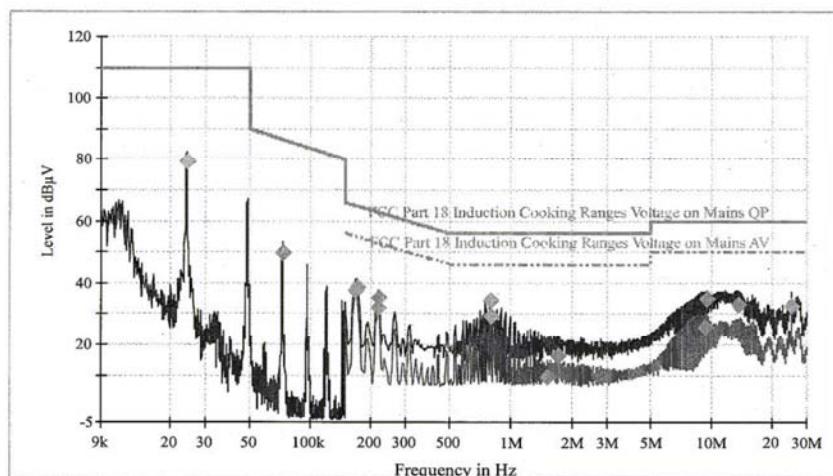
EMC Test Record (EMISSION)

Test Information

Manufacturer: Guangmao
Test Item: Induction Hotplate
Identification: SR-652C
Test Standard: FCC Part 18
Test Detail: Conducted Emission
Operation Mode: A
Climate Condition: 23°C; 50%RH; 101kPa.
Test Voltage/ Freq.: AC 120V/ 60Hz
Port / Line: AC Mains/L1
Receipt No.: 173059269
Report No.: 16029851 001
Result: Pass
Comment: /
Hardware Setup: 1phase LISN ESH3-Z5 to ESCS 30
Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
9kHz - 150kHz	Peak	200Hz	100Hz	50ms	ESCS 30
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCS 30

FCC Part 18 DV ESH3-Z5 9k to 30M ESCS30



5/3/2011, 22:13:46

Tested by: _____



Reviewed by: _____



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Final Result 1

Frequency (MHz)	QuasiPeak (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.024200	79.4	1000.0	0.200	L1	10.4	30.6	110.0	
0.072500	49.5	1000.0	0.200	L1	10.2	37.1	86.6	
0.172500	38.7	1000.0	9.000	L1	10.2	26.1	64.8	
0.217500	35.4	1000.0	9.000	L1	10.1	27.5	62.9	
0.793500	34.4	1000.0	9.000	L1	10.0	21.6	56.0	
1.720500	16.2	1000.0	9.000	L1	10.1	39.8	56.0	
9.460500	34.6	1000.0	9.000	L1	10.5	25.4	60.0	
13.717500	33.0	1000.0	9.000	L1	10.7	27.0	60.0	

Final Result 2

Frequency (MHz)	Average (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.168000	37.8	1000.0	9.000	L1	10.2	17.3	55.1	
0.217500	32.0	1000.0	9.000	L1	10.1	20.9	52.9	
0.793500	29.2	1000.0	9.000	L1	10.0	16.8	46.0	
1.527000	9.3	1000.0	9.000	L1	10.1	36.7	46.0	
9.289500	25.6	1000.0	9.000	L1	10.5	24.4	50.0	
25.228500	32.3	1000.0	9.000	L1	11.2	17.7	50.0	

5/3/2011, 22:13:46

Tested by: _____

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

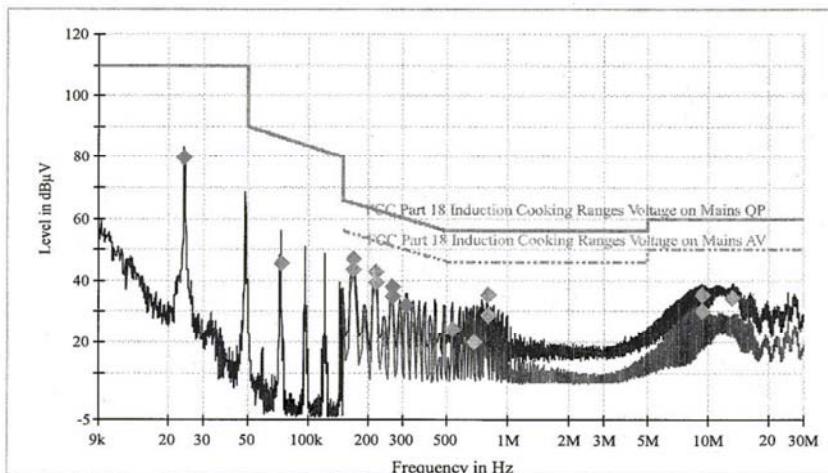
EMC Test Record (EMISSION)

Test Information

Manufacturer: Guangmao
Test Item: Induction Hotplate
Identification: SR-652C
Test Standard: FCC Part 18
Test Detail: Conducted Emission
Operation Mode: A
Climate Condition: 23°C; 50%RH; 101kPa.
Test Voltage/ Freq.: AC 120V/ 60Hz
Port / Line: AC Mains/N
Receipt No.: 173059269
Report No.: 16029851 001
Result: Pass
Comment: /
Hardware Setup: 1phase LISN ESH3-Z5 to ESCS 30
Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
9kHz - 150kHz	Peak	200Hz	100Hz	50ms	ESCS 30
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCS 30

FCC Part 18 DV ESH3-Z5 9k to 30M ESCS30



5/3/2011, 22:00:08

Tested by: _____

Reviewed by: _____



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Final Result 1

Frequency (MHz)	QuasiPeak (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.024100	79.9	1000.0	0.200	N	10.4	30.1	110.0	
0.072700	45.3	1000.0	0.200	N	10.2	41.3	86.6	
0.168000	47.1	1000.0	9.000	N	10.2	18.0	65.1	
0.217500	42.8	1000.0	9.000	N	10.1	20.1	62.9	
0.267000	38.2	1000.0	9.000	N	9.9	23.0	61.2	
0.793500	35.1	1000.0	9.000	N	10.0	20.9	56.0	
9.289500	35.2	1000.0	9.000	N	10.6	24.8	60.0	
13.168500	34.3	1000.0	9.000	N	10.8	25.7	60.0	

Final Result 2

Frequency (MHz)	Average (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.168000	43.7	1000.0	9.000	N	10.2	11.4	55.1	
0.217500	39.5	1000.0	9.000	N	10.1	13.4	52.9	
0.267000	34.9	1000.0	9.000	N	9.9	16.3	51.2	
0.312000	32.0	1000.0	9.000	N	9.9	17.9	49.9	
0.532500	24.1	1000.0	9.000	N	10.1	21.9	46.0	
0.676500	20.0	1000.0	9.000	N	10.0	26.0	46.0	
0.793500	28.9	1000.0	9.000	N	10.0	17.1	46.0	
9.402000	30.2	1000.0	9.000	N	10.6	19.8	50.0	

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Tested by:



Reviewed by:



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TUV Rheinland (Guangdong) Ltd.

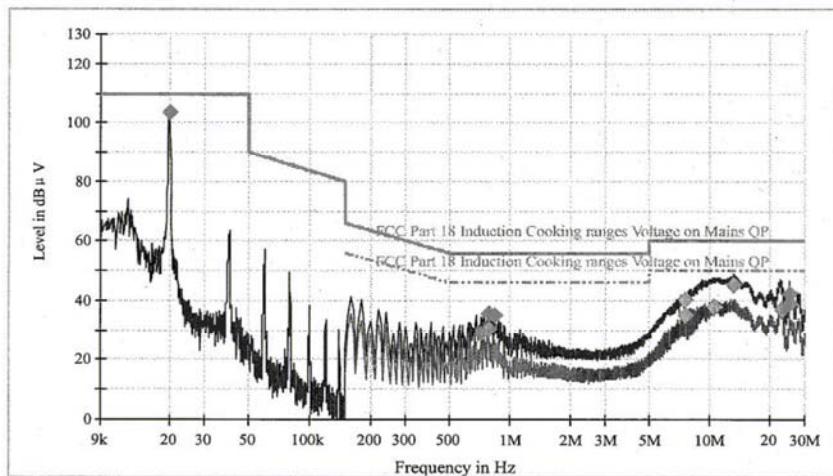
EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

Test Information

Manufacturer: Guangmao
Test Item: Induction Hotplate
Identification: SR-182R
Test Standard: FCC Part 18
Test Detail: Conducted Emission
Operation Mode: A
Climate Condition: 23°C; 50%RH; 101kPa.
Test Voltage/ Freq.: AC 120V/ 60Hz
Port / Line: AC Mains/L
Receipt No.: 173059269
Report No.: 16029851 001
Result: Pass
Comment: /
Hardware Setup: 1phase LISN ESH3-Z5 to ESCS 30
Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
9kHz - 150kHz	Peak	200Hz	100Hz	50ms	ESCS 30
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCS 30



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Tested by: 

Reviewed by: 

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Final Result 1

Frequency (MHz)	QuasiPeak (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.020000	103.3	1000.0	0.200	L1	10.4	6.7	110.0	
0.780000	35.7	1000.0	9.000	L1	10.0	20.3	56.0	
0.840000	35.2	1000.0	9.000	L1	10.1	20.8	56.0	
7.555000	40.2	1000.0	9.000	L1	10.4	19.8	60.0	
13.160000	45.2	1000.0	9.000	L1	10.7	14.8	60.0	
25.230000	42.3	1000.0	9.000	L1	11.2	17.7	60.0	

Final Result 2

Frequency (MHz)	Average (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.720000	28.9	1000.0	9.000	L1	10.0	17.1	46.0	
0.780000	30.6	1000.0	9.000	L1	10.0	15.4	46.0	
7.590000	35.1	1000.0	9.000	L1	10.4	14.9	50.0	
10.555000	38.2	1000.0	9.000	L1	10.5	11.8	50.0	
22.905000	37.2	1000.0	9.000	L1	11.1	12.8	50.0	
25.230000	38.9	1000.0	9.000	L1	11.2	11.1	50.0	

5/11/2011, 22:15:16

Tested by: _____



Reviewed by: _____



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

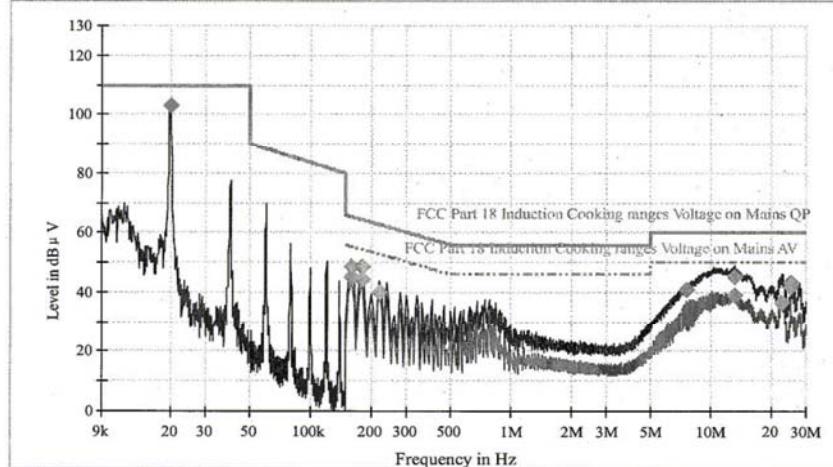
EMC Test Record (EMISSION)

Test Information

Manufacturer: Guangmao
Test Item: Induction Hotplate
Identification: SR-182R
Test Standard: FCC Part 18
Test Detail: Conducted Emission
Operation Mode: A
Climate Condition: 23°C; 50%RH; 101kPa.
Test Voltage/ Freq.: AC 120V/ 60Hz
Port / Line: AC Mains/N
Receipt No.: 173059269
Report No.: 16029851 001
Result: Pass
Comment: /

Hardware Setup: 1phase LISN ESH3-Z5 to ESCS 30
Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
9kHz - 150kHz	Peak	200Hz	100Hz	50ms	ESCS 30
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCS 30



5/11/2011, 22:38:45

Tested by:



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Final Result 1

Frequency (MHz)	QuasiPeak (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.020000	103.2	1000.0	0.200	N	10.3	6.8	110.0	
0.160000	48.7	1000.0	9.000	N	10.2	16.9	65.5	
0.180000	48.4	1000.0	9.000	N	10.2	16.1	64.5	
7.515000	40.9	1000.0	9.000	N	10.4	19.1	60.0	
13.165000	45.2	1000.0	9.000	N	10.8	14.8	60.0	
25.230000	43.5	1000.0	9.000	N	11.0	16.5	60.0	

Final Result 2

Frequency (MHz)	Average (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.160000	45.4	1000.0	9.000	N	10.2	10.1	55.5	
0.180000	44.5	1000.0	9.000	N	10.2	10.0	54.5	
0.220000	40.0	1000.0	9.000	N	10.1	12.8	52.8	
13.125000	38.9	1000.0	9.000	N	10.8	11.1	50.0	
22.830000	36.4	1000.0	9.000	N	11.0	13.6	50.0	
25.230000	41.9	1000.0	9.000	N	11.0	8.1	50.0	

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Tested by:



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

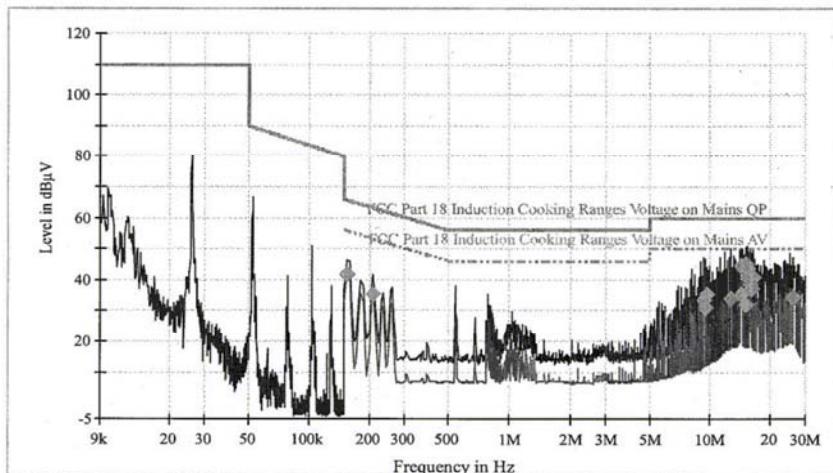
EMC Test Record (EMISSION)

Test Information

Manufacturer: Guangmao
Test Item: Induction Hotplate
Identification: SR-652R
Test Standard: FCC Part 18
Test Detail: Conducted Emission
Operation Mode: A
Climate Condition: 23°C; 50%RH; 101kPa.
Test Voltage/ Freq.: AC 120V/ 60Hz
Port / Line: AC Mains/N
Receipt No.: 173059269
Report No.: 16029851 001
Result: Pass
Comment: /
Hardware Setup: 1phase LISN ESH3-Z5 to ESCS 30
Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
9kHz - 150kHz	Peak	200Hz	100Hz	50ms	ESCS 30
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCS 30

FCC Part 18 DV ESH3-Z5 9k to 30M ESCS30



5/3/2011, 23:12:26

Tested by:



Reviewed by:



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Final Result 1

Frequency (MHz)	QuasiPeak (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
12.763500	34.1	1000.0	9.000	N	10.8	25.9	60.0	
14.523000	44.6	1000.0	9.000	N	10.8	15.4	60.0	
15.072000	32.3	1000.0	9.000	N	10.8	27.7	60.0	
15.198000	45.1	1000.0	9.000	N	10.8	14.9	60.0	
15.463500	43.6	1000.0	9.000	N	10.8	16.4	60.0	
15.594000	40.7	1000.0	9.000	N	10.8	19.3	60.0	
15.949500	38.5	1000.0	9.000	N	10.8	21.5	60.0	
16.633500	40.6	1000.0	9.000	N	10.8	19.4	60.0	

Final Result 2

Frequency (MHz)	Average (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
0.154500	41.8	1000.0	9.000	N	10.2	14.0	55.8	
0.208500	35.1	1000.0	9.000	N	10.2	18.2	53.3	
9.312000	33.2	1000.0	9.000	N	10.6	16.8	50.0	
9.438000	31.3	1000.0	9.000	N	10.6	18.7	50.0	
9.694500	35.3	1000.0	9.000	N	10.7	14.7	50.0	
14.352000	35.1	1000.0	9.000	N	10.8	14.9	50.0	
16.269000	37.2	1000.0	9.000	N	10.8	12.8	50.0	
26.250000	34.5	1000.0	9.000	N	11.0	15.5	50.0	

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Tested by:



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

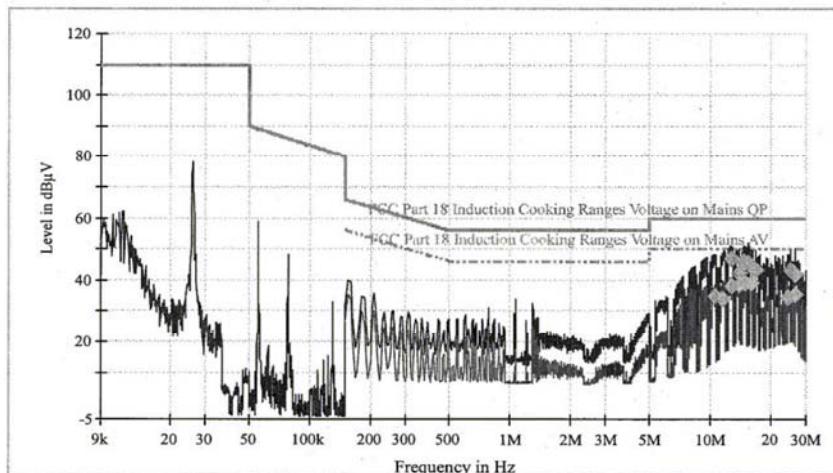
Test Information

Manufacturer: Guangmao
Test Item: Induction Hotplate
Identification: SR-652R
Test Standard: FCC Part 18
Test Detail: Conducted Emission
Operation Mode: A
Climate Condition: 23°C; 50%RH; 101kPa.
Test Voltage/ Freq.: AC 120V/ 60Hz
Port / Line: AC Mains/L1
Receipt No.: 173059269
Report No.: 16029851 001
Result: Pass
Comment: /

Hardware Setup: 1phase LISN ESH3-Z5 to ESCS 30
Level Unit: dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
9kHz - 150kHz	Peak	200Hz	100Hz	50ms	ESCS 30
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCS 30

FCC Part 18 DV ESH3-Z5 9k to 30M ESCS30



5/3/2011, 23:29:28

HCR
2011.5.05
Checked

Tested by:

Reviewed by:



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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

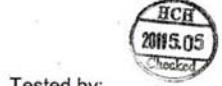
Final Result 1

Frequency (MHz)	QuasiPeak (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
12.687000	47.0	1000.0	9.000	L1	10.7	13.0	60.0	
13.992000	42.1	1000.0	9.000	L1	10.7	17.9	60.0	
14.590500	45.8	1000.0	9.000	L1	10.8	14.2	60.0	
15.369000	45.6	1000.0	9.000	L1	10.8	14.4	60.0	
15.859500	44.9	1000.0	9.000	L1	10.9	15.1	60.0	
16.750500	43.0	1000.0	9.000	L1	10.9	17.0	60.0	
25.233000	43.2	1000.0	9.000	L1	11.2	16.8	60.0	
26.466000	41.6	1000.0	9.000	L1	11.2	18.4	60.0	

Final Result 2

Frequency (MHz)	Average (dB µV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)	Comment
10.617000	34.7	1000.0	9.000	L1	10.5	15.3	50.0	
11.589000	34.1	1000.0	9.000	L1	10.6	15.9	50.0	
12.660000	38.1	1000.0	9.000	L1	10.7	11.9	50.0	
13.992000	38.6	1000.0	9.000	L1	10.7	11.4	50.0	
15.009000	39.2	1000.0	9.000	L1	10.8	10.8	50.0	
15.873000	38.8	1000.0	9.000	L1	10.9	11.2	50.0	
24.540000	34.5	1000.0	9.000	L1	11.2	15.5	50.0	
26.353500	35.2	1000.0	9.000	L1	11.2	14.8	50.0	

5/3/2011, 23:29:28



Tested by: _____

Reviewed by: _____



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Test Report No.:

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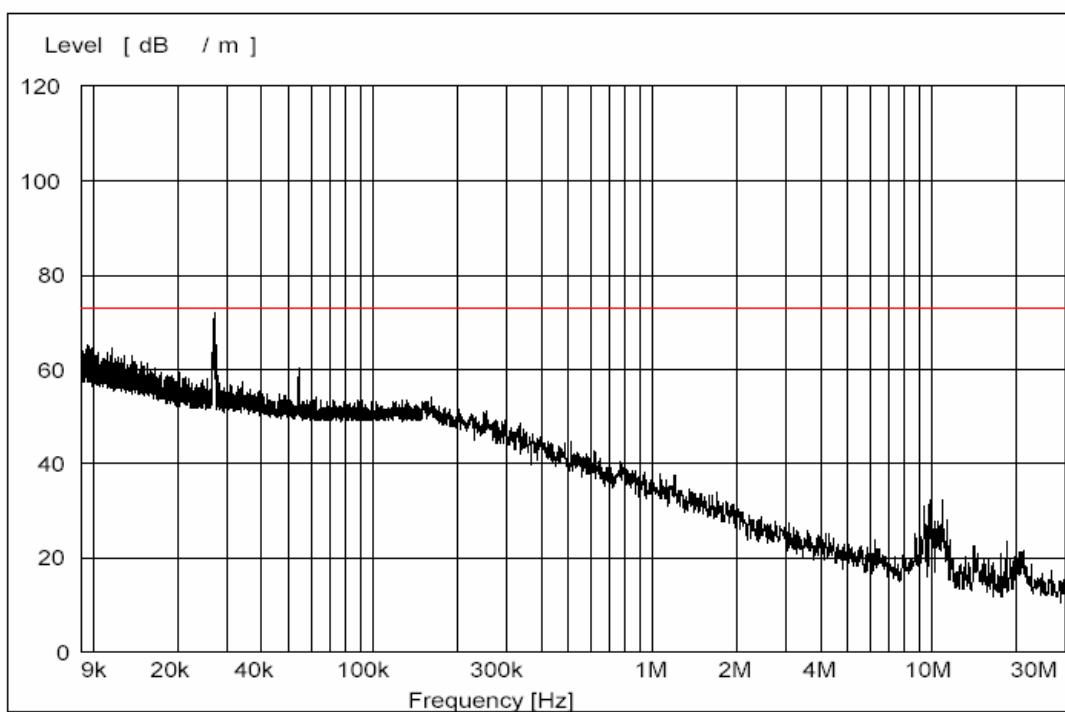
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Magnetic field Test Data Sheet

Job No.:				Date:		
Applicant:				Standard:	FCC Part 18	<input type="button" value="▼"/>
E.U.T.:				Model:	SR-182C 1800W	
Polarization:	<input type="checkbox"/> Line	<input type="checkbox"/> Neutra	<input type="checkbox"/> Power Clamp	Voltage:	120 V, <input checked="" type="checkbox"/> AC	<input type="checkbox"/> DC
Memo:	Test the EUT in on mode (H).10M					

Test Curve



Frequency (MHz)	Transduce r (dB)	Receiver AV Reading (dB μ V/m)	Receiver AV Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB μ V/m)
0.0272	14.0	56.0	70.0	73.00	-3.0

Prüfbericht - Nr.: 16029851 001

Test Report No.:

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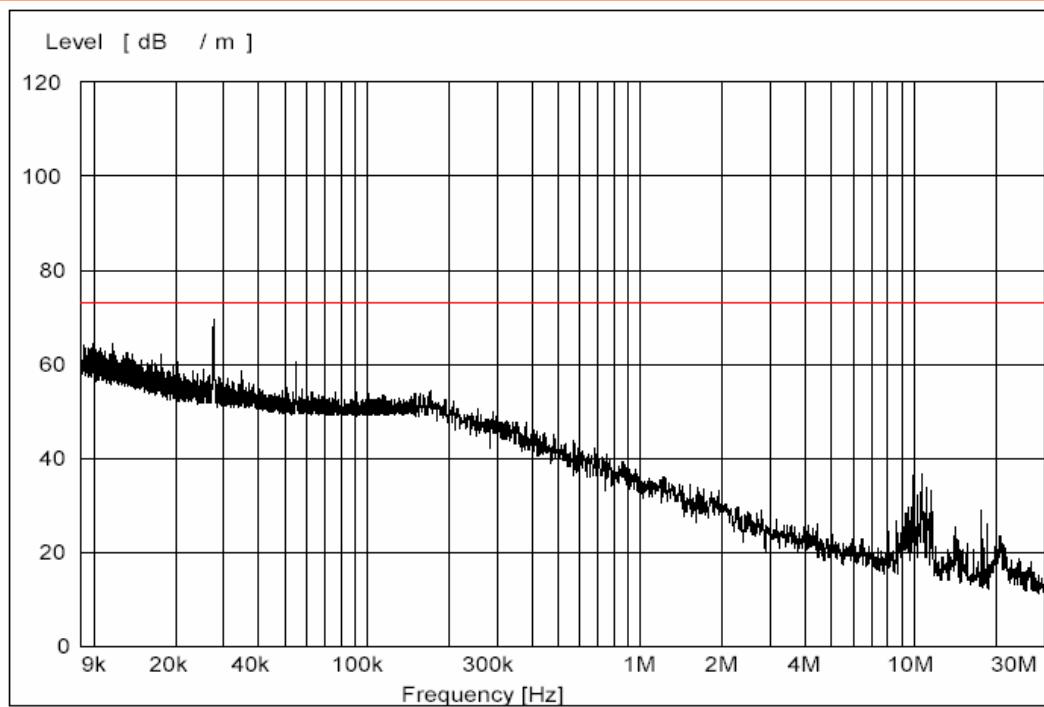
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Magnetic field Test Data Sheet

Job No.:			Date:		
Applicant:			Standard:	FCC Part 18	<input type="button" value="▼"/>
E.U.T.:			Model:	SR-182C 1800W	
Polarization:	<input type="checkbox"/> Line	<input type="checkbox"/> Neutral	<input type="checkbox"/> Power Clamp	Voltage:	<input type="checkbox"/> 120 V, <input checked="" type="checkbox"/> AC <input type="checkbox"/> DC <input type="checkbox"/> 50 Hz <input checked="" type="checkbox"/> 60 Hz
Memo:	Test the EUT in on mode (V).10M				

Test Curve



Frequency (MHz)	Transduce r (dB)	Receiver AV Reading (dB μ V/m)	Receiver AV Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB μ V/m)
0.0276	14.0	50.5	64.5	73.00	-8.5

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Test Report No.:

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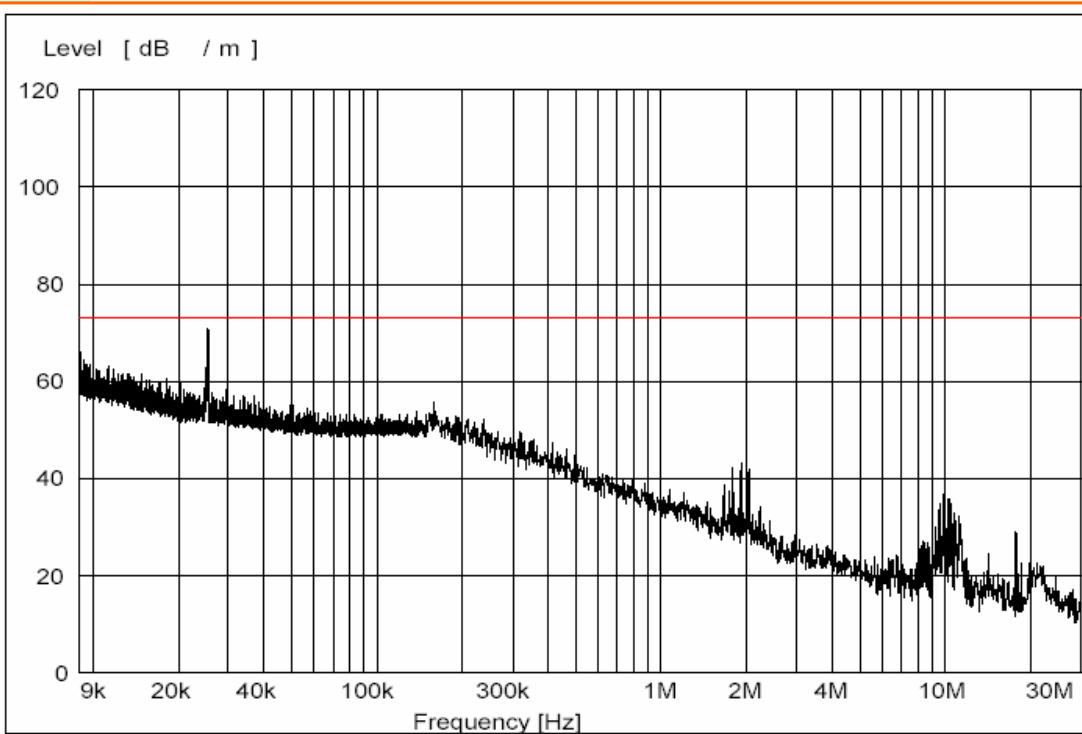
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Magnetic field Test Data Sheet

Job No.:		Date:	
Applicant:		Standard:	FCC Part 18
E.U.T.:		Model:	SR-183C 1800W
Polarization:	<input type="checkbox"/> Line <input type="checkbox"/> Neutral <input type="checkbox"/> Power Clamp	Voltage:	120 V, <input checked="" type="checkbox"/> AC <input type="checkbox"/> DC <input type="checkbox"/> 50 Hz <input checked="" type="checkbox"/> 60 Hz
Memo:	Test the EUT in on mode (V).10M		

Test Curve



Frequency (MHz)	Transduce r (dB)	Receiver AV Reading (dB μ V/m)	Receiver AV Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB μ V/m)
0.0254	14.2	54.0	68.2	73.00	-4.8

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Test Report No.:

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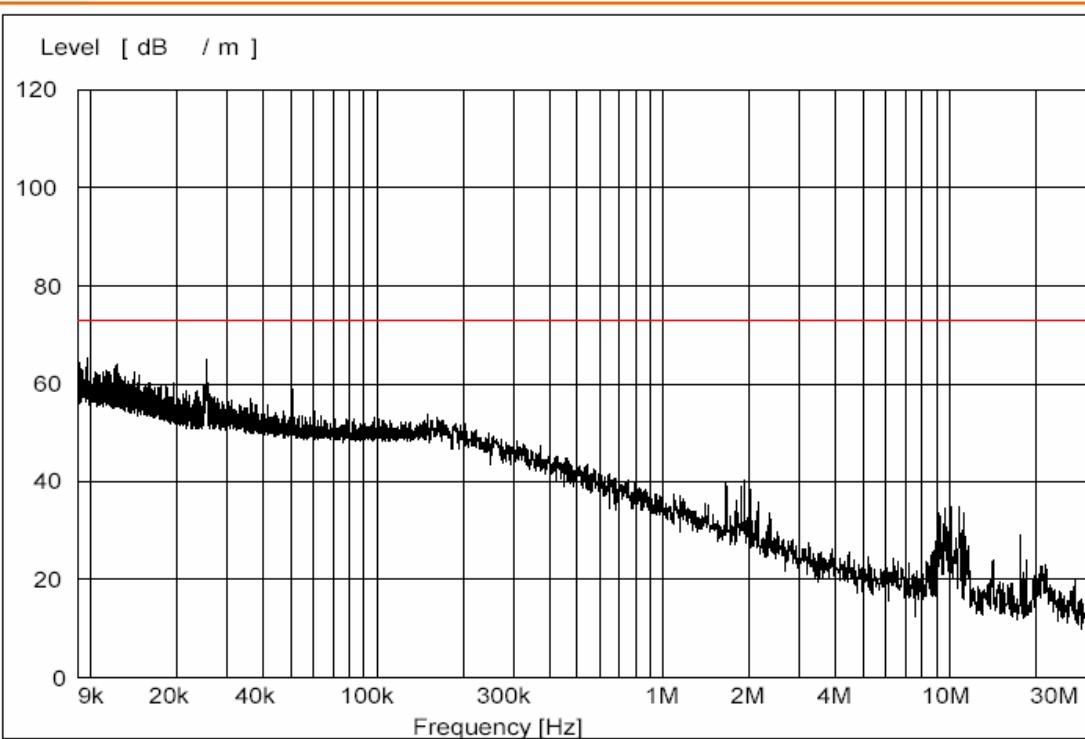
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Magnetic field Test Data Sheet

Job No.:	Date:			
Applicant:	Standard: FCC Part 18			
E.U.T.:	Model: SR-183C 1800W			
Polarization:	<input type="checkbox"/> Line	<input type="checkbox"/> Neutral	<input type="checkbox"/> Power Clamp	Voltage: 120 V, <input checked="" type="checkbox"/> AC, <input type="checkbox"/> DC
Memo:	Test the EUT in on mode (H).10M			

Test Curve



Frequency (MHz)	Transducer (dB)	Receiver AV Reading (dB μ V/m)	Receiver AV Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit
0.0255	14.2	49.0	63.2	73.00	-9.8

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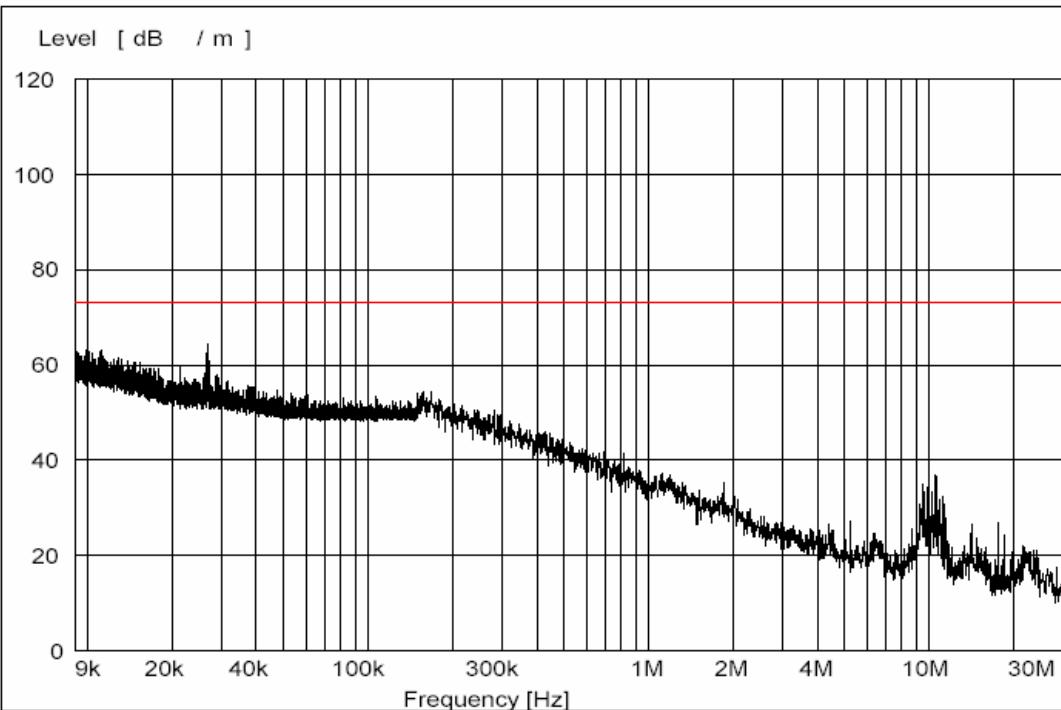
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Magnetic field Test Data Sheet

Job No.:	[Redacted]		Date:		
Applicant:	[Redacted]		Standard:	FCC Part 18	<input type="button" value="▼"/>
E.U.T.:	[Redacted]		Model:	SR-652C 650W	
Polarization:	<input type="checkbox"/> Line	<input type="checkbox"/> Neutra	<input type="checkbox"/> Power Clamp	Voltage:	120 V, <input checked="" type="checkbox"/> AC, <input type="checkbox"/> DC, <input type="checkbox"/> 50 Hz, <input checked="" type="checkbox"/> 60 Hz
Memo:	Test the EUT in on mode (H).10M				

Test Curve



Frequency (MHz)	Transducer (dB)	Receiver AV Reading (dB μ V/m)	Receiver AV Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB μ V/m)
0.0268	14.1	47.8	61.9	73.00	-11.1

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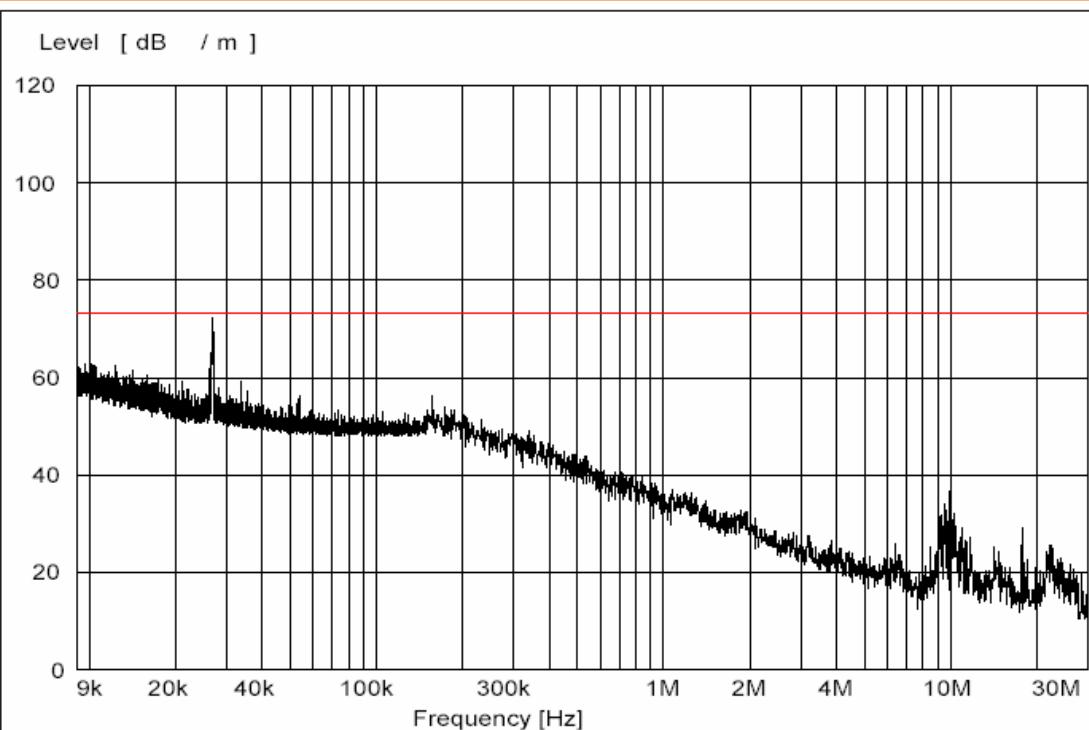
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Magnetic field Test Data Sheet

Job No.:				Date:			
Applicant:				Standard:	FCC Part 18		
E.U.T.:				Model:	SR-652C 650W		
Polarization:	<input type="checkbox"/> Line	<input type="checkbox"/> Neutral	<input type="checkbox"/> Power Clamp	Voltage:	120	V,	<input checked="" type="checkbox"/> AC
Memo:	Test the EUT in on mode (V).10M						

Test Curve



Frequency (MHz)	Transduce r (dB)	Receiver AV Reading (dB μ V/m)	Receiver AV Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit (dB μ V/m)
0.0268	14.1	55.9	70.0	73.00	-3.0

Prüfbericht - Nr.: 16029851 001
Test Report No.:

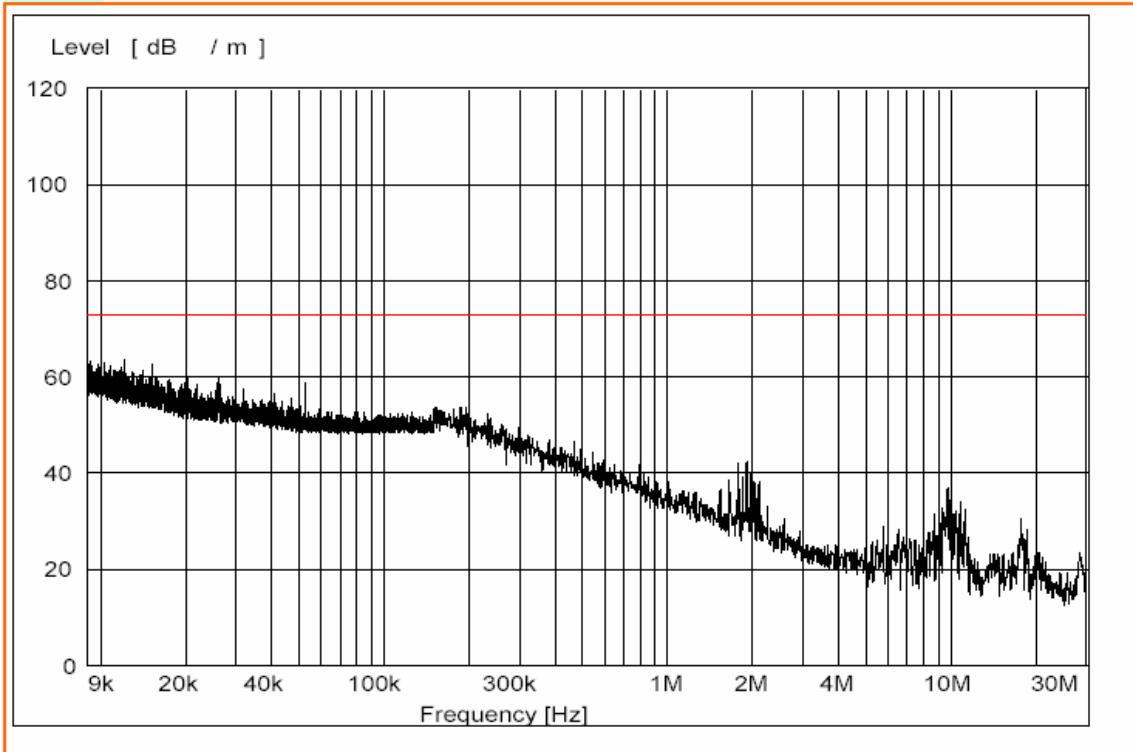
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Magnetic field Test Data Sheet

Job No.:			Date:		
Applicant:			Standard:	FCC Part 18	<input type="button" value="▼"/>
E.U.T.:			Model:	SR-182R 1800W	
Polarization:	<input type="checkbox"/> Line	<input type="checkbox"/> Neutral	<input type="checkbox"/> Power Clamp	Voltage:	120 V, <input checked="" type="checkbox"/> AC, <input type="checkbox"/> DC, <input type="checkbox"/> 50 Hz, <input checked="" type="checkbox"/> 60 Hz
Memo:	Test the EUT in on mode (H).10M				

Test Curve



Frequency (MHz)	Transducer (dB)	Receiver AV Reading (dB μ V/m)	Receiver AV Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit
0.0263	14.1	40.7	54.8	73.00	-18.2

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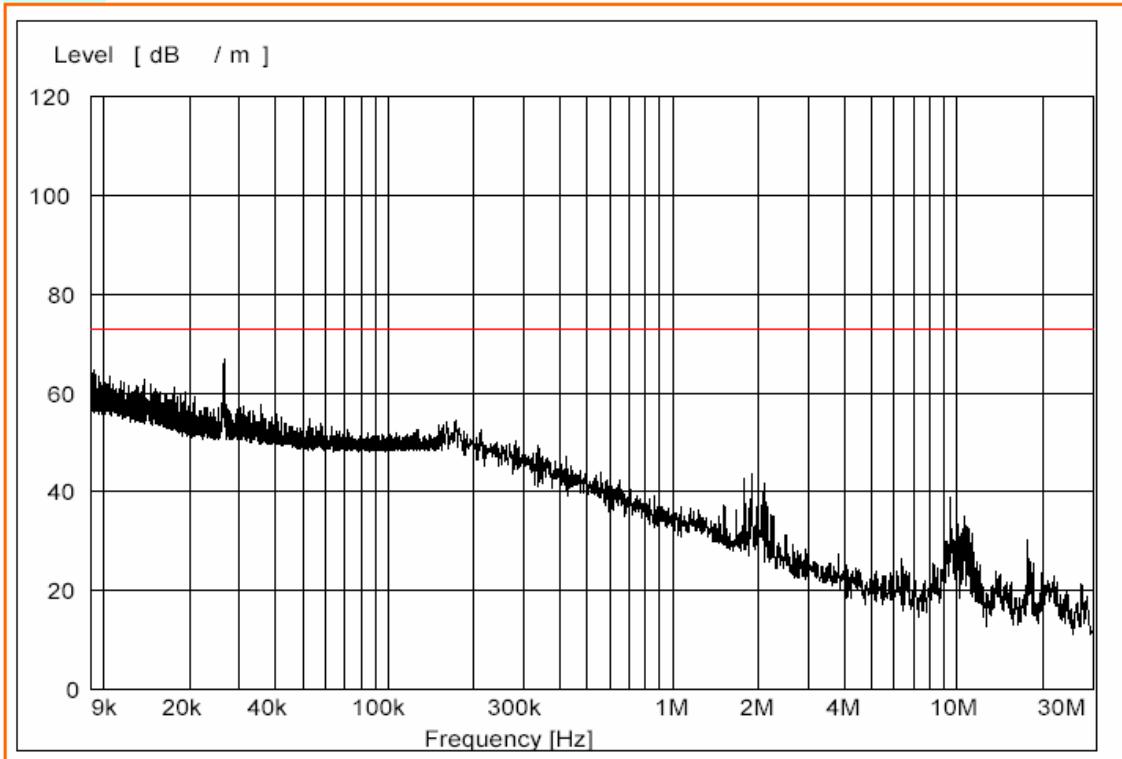
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Magnetic field Test Data Sheet

Job No.:			Date:		
Applicant:			Standard:	FCC Part 18	<input type="button" value="▼"/>
E.U.T.:			Model:	SR-182R 1800W	
Polarization:	<input type="checkbox"/> Line	<input type="checkbox"/> Neutral	<input type="checkbox"/> Power Clamp	Voltage:	120 V, <input checked="" type="checkbox"/> AC, <input type="checkbox"/> DC, <input type="checkbox"/> 50 Hz, <input checked="" type="checkbox"/> 60 Hz
Memo:	Test the EUT in on mode (V).10M				

Test Curve



Frequency (MHz)	Transducer (dB)	Receiver AV Reading (dB μ V/m)	Receiver AV Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit
0.0265	14.1	48.9	63.0	73.00	-10.0

Prüfbericht - Nr.: 16029851 001
Test Report No.:

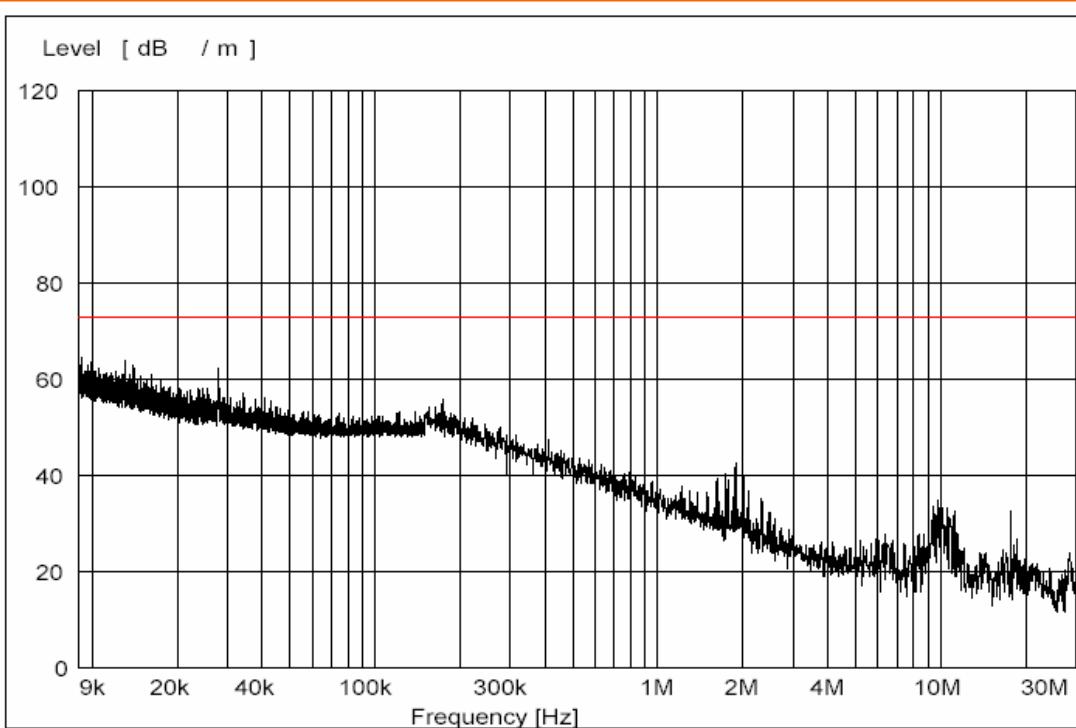
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Magnetic field Test Data Sheet

Job No.:	[Redacted]		Date:		
Applicant:	[Redacted]		Standard:	FCC Part 18	<input type="button" value="▼"/>
E.U.T.:	[Redacted]		Model:	SR-652R 650W	
Polarization:	<input type="checkbox"/> Line	<input type="checkbox"/> Neutra	<input type="checkbox"/> Power Clamp	Voltage:	120 [V] <input checked="" type="checkbox"/> AC <input type="checkbox"/> DC <input type="checkbox"/> 50 Hz <input checked="" type="checkbox"/> 60 Hz
Memo:	Test the EUT in on mode (H).10M				

Test Curve



Frequency (MHz)	Transduce r (dB)	Receiver AV Reading (dB μ V/m)	Receiver AV Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit
0.0280	14.0	46.6	60.6	73.00	-12.4

Prüfbericht - Nr.: 16029851 001

Test Report No.:

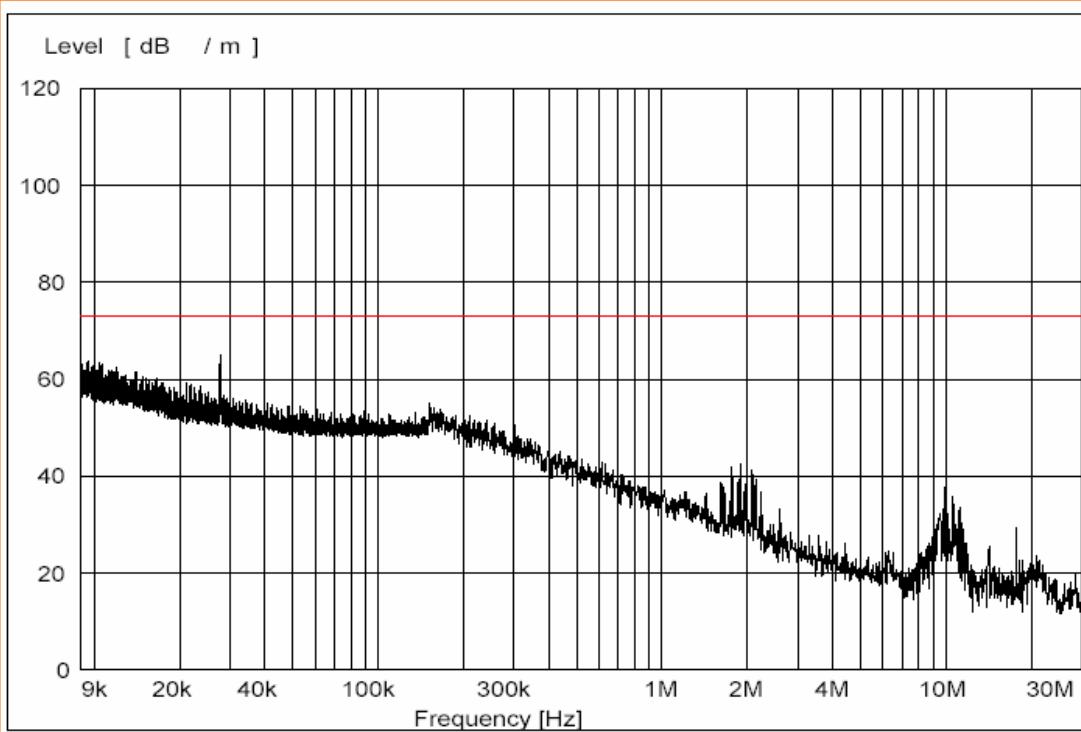
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Magnetic field Test Data Sheet

Job No.:			Date:		
Applicant:			Standard:	FCC Part 18	<input type="button" value="▼"/>
E.U.T.:			Model:	SR-652R 650W	
Polarization:	<input type="checkbox"/> Line	<input type="checkbox"/> Neutral	<input type="checkbox"/> Power Clamp	Voltage:	120 V, <input checked="" type="checkbox"/> AC, <input type="checkbox"/> DC, <input type="checkbox"/> 50 Hz, <input checked="" type="checkbox"/> 60 Hz
Memo:	Test the EUT in on mode (V).10M				

Test Curve



Frequency (MHz)	Transducer (dB)	Receiver AV Reading (dB μ V/m)	Receiver AV Level (dB μ V/m)	Limit (dB μ V/m)	Over Limit
0.0278	14.0	47.4	61.4	73.00	-11.6

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

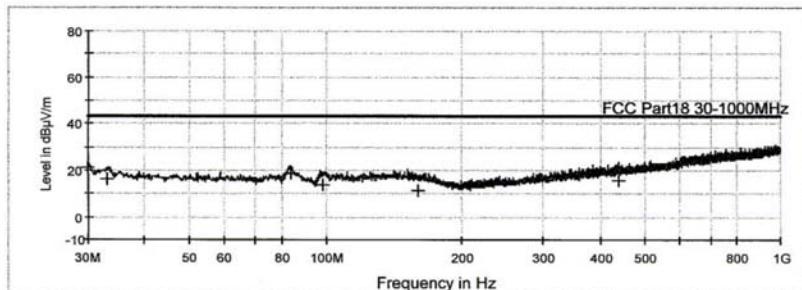
EMC Test Record (Emission)

Common Information

Manufacturer: Guangmao (XinBao)
Test Item: Induction Hotplate
Identification: SR-182C
Test Standard: FCC Part 18
Test Detail: RE
Operation Mode: A. On with max . power
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage/ Freq: AC120V / 60Hz
Receipt No: 173059269
Report No: 16029851 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1
Frequency Range: 30M-1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168/ TUV ESCI 3-TUV SAC UVLB 9168

Pre TUV 30M to 1GHz UVLB9168 Part 18



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBμV/m)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Polarization
30.000000	21.1	13.7	22.4	43.5	V
33.250000	16.4	13.9	27.1	43.5	V
83.700000	19.0	10.5	24.5	43.5	V
98.850000	14.0	11.3	29.5	43.5	V
159.350000	11.4	15.6	32.1	43.5	V
440.200000	15.4	18.5	28.1	43.5	V

Date: 29/04/2011 - Time: 18:22:49

Tested by  2011.4.29 Checked Reviewed by _____



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Test Report No.:

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

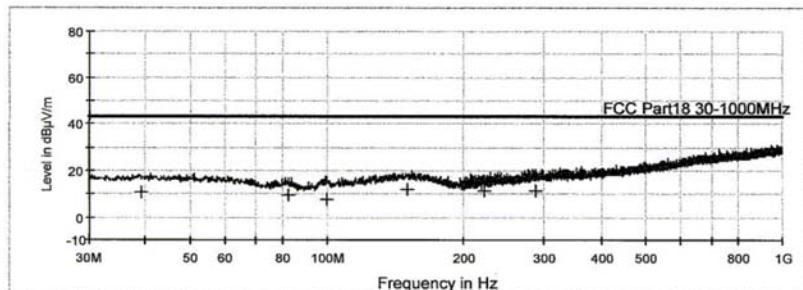
EMC Test Record (Emission)

Common Information

Manufacturer: Guangmao (XinBao)
Test Item: Induction Hotplate
Identification: SR-182C
Test Standard: FCC Part 18
Test Detail: RE
Operation Mode: A. On with max . power
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage/ Freq: AC120V / 60Hz
Receipt No: 173059269
Report No: 16029851 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1
Frequency Range: 30M-1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168/ TUV ESCI 3-TUV SAC UVLB 9168

Pre TUV 30M to 1GHz UVLB9168 Part 18



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dB μ V/m)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)	Polarization
39.350000	10.9	14.7	32.6	43.5	H
82.750000	9.4	10.4	34.1	43.5	H
99.700000	7.9	11.3	35.6	43.5	H
150.750000	11.9	15.7	31.6	43.5	H
222.300000	11.2	12.6	32.3	43.5	H
288.500000	11.3	14.7	32.2	43.5	H

Date: 29/04/2011 - Time: 18:17:43

Tested by: 

Reviewed by: 

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Test Report No.:

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

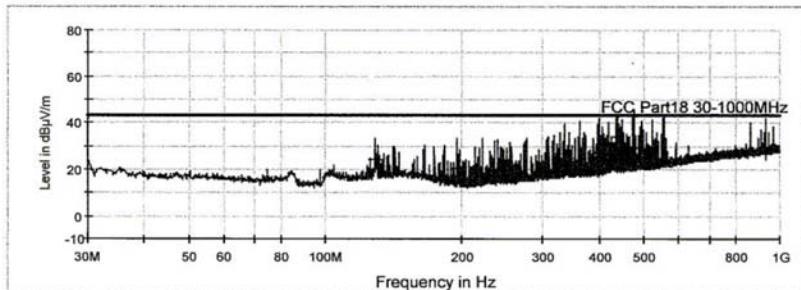
EMC Test Record (Emission)

Common Information

Manufacturer: Guangmao (XinBao)
Test Item: Induction Hotplate
Identification: SR-183C
Test Standard: FCC Part 18
Test Detail: RE
Operation Mode: A. On with max . power
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage/ Freq: AC120V / 60Hz
Receipt No: 173059269
Report No: 16029851 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1
Frequency Range: 30M-1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168/ TUV ESCI 3-TUV SAC UVLB 9168

Pre TUV 30M to 1GHz UVLB9168 Part 18



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBμV/m)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Polarization
129.182500	24.3	14.2	19.2	43.5	V
195.385000	20.6	11.8	22.9	43.5	V
401.752500	27.1	17.3	16.4	43.5	V
440.310000	34.1	18.5	9.4	43.5	V
480.322500	29.4	19.1	14.1	43.5	V
931.978750	26.6	26.2	16.9	43.5	V

Date: 29/04/2011 - Time: 18:32:27

Tested by 

Reviewed by 

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Test Report No.:

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TUV Rheinland (Guangdong) Ltd.

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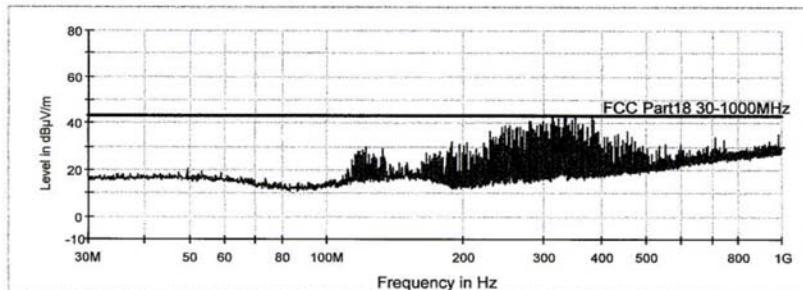
EMC Test Record (Emission)

Common Information

Manufacturer: Guangmao (XinBao)
Test Item: Induction Hotplate
Identification: SR-183C
Test Standard: FCC Part 18
Test Detail: RE
Operation Mode: A. On with max . power
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage / Freq: AC120V / 60Hz
Receipt No: 173059269
Report No: 16029851 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1
Frequency Range: 30M-1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168/ TUV ESCI 3-TUV SAC UVLB 9168

Pre TUV 30M to 1GHz UVLB9168 Part 18



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBμV/m)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Polarization
122.392500	20.6	13.7	22.9	43.5	H
280.745000	28.8	14.5	14.7	43.5	H
313.118750	26.4	15.4	17.1	43.5	H
335.913750	28.3	16.0	15.2	43.5	H
382.716250	29.7	16.9	13.8	43.5	H
987.268750	30.1	26.6	13.4	43.5	H

Date: 29/04/2011 - Time: 18:41:00

Tested by:  Reviewed by: 

Prüfbericht - Nr.: 16029851 001
Test Report No.:

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

EMC Test Record (Emission)

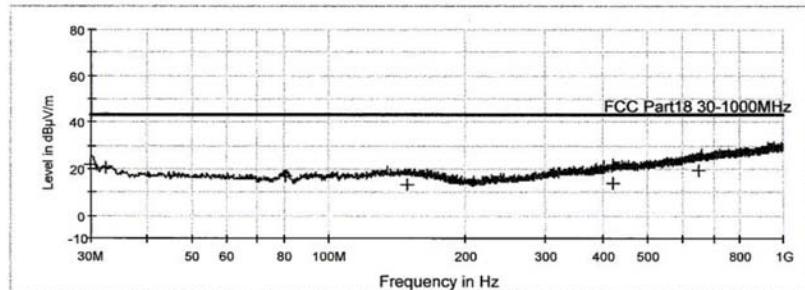
Common Information

Manufacturer: Guangmao (XinBao)
Test Item: Induction Hotplate
Identification: SR-652C
Test Standard: FCC Part 18
Test Detail:
Operation Mode: A. On with max . power
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage/ Freq: AC120V / 60Hz
Receipt No: 173059269
Report No: 16029851 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1

Frequency Range: 30M-1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168/ TUV ESCI 3-TUV SAC UVLB 9168

Pre TUV 30M to 1GHz UVLB9168 Part 18



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBμV/m)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Polarization
30.000000	21.8	13.7	21.7	43.5	V
32.450000	20.9	13.9	22.6	43.5	V
80.800000	16.8	10.4	26.7	43.5	V
149.550000	13.2	15.6	30.3	43.5	V
422.350000	14.1	18.0	29.4	43.5	V
652.250000	19.6	22.6	23.9	43.5	V

Date: 29/04/2011 - Time: 18:01:07

Tested by:  Reviewed by: 

Prüfbericht - Nr.: 16029851 001
Test Report No.:

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

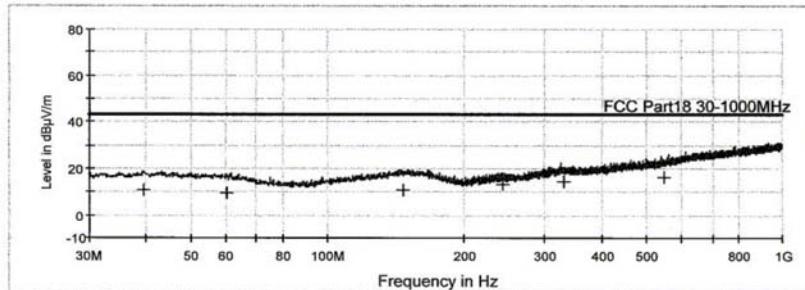
EMC Test Record (Emission)

Common Information

Manufacturer: Guangmao (XinBao)
Test Item: Induction Hotplate
Identification: SR-652C
Test Standard: FCC Part 18
Test Detail: RE
Operation Mode: A. On with max . power
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage/ Freq: AC120V / 60Hz
Receipt No: 173059269
Report No: 16029851 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1
Frequency Range: 30M-1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168/ TUV ESCI 3-TUV SAC UVLB 9168

Pre TUV 30M to 1GHz UVLB9168 Part 18



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBμV/m)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Polarization
39.600000	10.8	14.8	32.7	43.5	H
60.450000	9.6	13.6	33.9	43.5	H
147.250000	11.1	15.5	32.4	43.5	H
242.800000	13.5	13.4	30.0	43.5	H
331.550000	14.7	15.9	28.8	43.5	H
549.450000	16.6	20.5	26.9	43.5	H

Date: 29/04/2011 - Time: 18:09:22

Tested by:  Reviewed by: 

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Test Report No.:

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

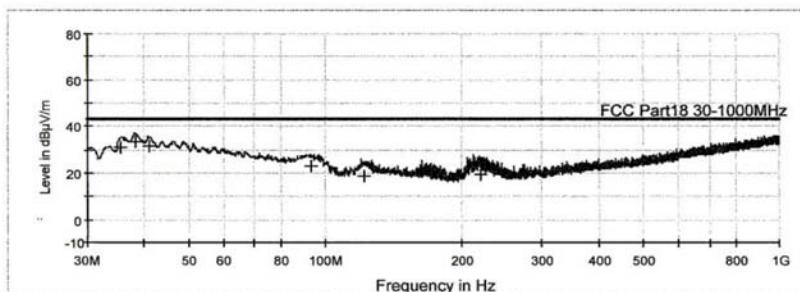
EMC Test Record (Emission)

Common Information

Manufacturer: Guangmao (XinBao)
Test Item: Induction Hotplate
Identification: SR-182R
Test Standard: FCC Part 18
Test Detail:
Operation Mode: A. On with max . power
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage/ Freq: AC120V / 60Hz
Receipt No: 173059269
Report No: 16029851 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1
Frequency Range: 30M-1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168/ TUV ESCI 3-TUV SAC UVLB 9168

Pre TUV 30M to 1GHz UVLB9168 Part 18



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dB μ V/m)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)	Polarization
35.600000	31.2	15.1	12.3	43.5	V
38.350000	33.3	15.5	10.2	43.5	V
41.150000	31.7	15.7	11.8	43.5	V
93.150000	22.9	12.3	20.6	43.5	V
122.050000	18.7	15.3	24.8	43.5	V
219.750000	19.4	14.7	24.1	43.5	V

Date: 5/13/2011 - Time: 5:52:08

Tested by: 

Reviewed by: 

Prüfbericht - Nr.: 16029851 001
Test Report No.:

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

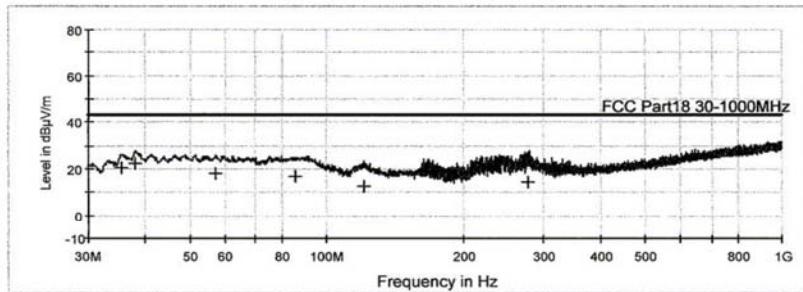
EMC Test Record (Emission)

Common Information

Manufacturer: Guangmao (XinBao)
Test Item: Induction Hotplate
Identification: SR-182R
Test Standard: FCC Part 18
Test Detail: RE
Operation Mode: A. On with max . power
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage/ Freq: AC120V / 60Hz
Receipt No: 173059269
Report No: 16029851 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1
Frequency Range: 30M-1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168/ TUV ESCI 3-TUV SAC UVLB 9168

Pre TUV 30M to 1GHz UVLB9168 Part 18



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBμV/m)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)	Polarization
35.600000	20.4	14.4	23.1	43.5	H
38.000000	22.2	14.8	21.3	43.5	H
57.150000	18.0	14.1	25.5	43.5	H
86.000000	17.2	10.8	26.3	43.5	H
121.550000	12.9	14.0	30.6	43.5	H
277.000000	14.7	14.9	28.8	43.5	H

Date: 5/13/2011 - Time: 5:57:11

Tested by:  2011.5.13
Reviewed by: 

Prüfbericht - Nr.: 16029851 001
Test Report No.:

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

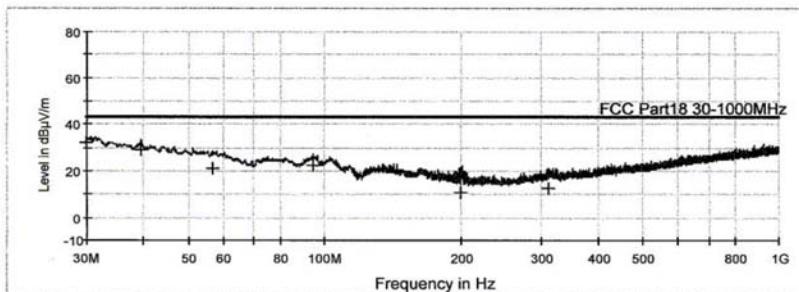
EMC Test Record (Emission)

Common Information

Manufacturer: Guangmao (XinBao)
Test Item: Induction Hotplate
Identification: SR-652R
Test Standard: FCC Part 18
Test Detail: RE
Operation Mode: A. On with max . power
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage/ Freq: AC120V / 60Hz
Receipt No: 173059269
Report No: 16029851 001
Result: Pass
Comment: Test distance is 3m, Vertical

Subrange 1
Frequency Range: 30M-1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168/ TUV ESCI 3-TUV SAC UVLB 9168

Pre TUV 30M to 1GHz UVLB9168 Part 18



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarization
30.000000	32.1	13.7	11.4	43.5	V
39.600000	29.2	14.8	14.3	43.5	V
56.800000	21.5	13.9	22.0	43.5	V
94.750000	22.4	10.9	21.1	43.5	V
200.100000	10.8	11.6	32.7	43.5	V
312.650000	12.8	15.4	30.7	43.5	V

Date: 03/05/2011 - Time: 18:37:15

Tested by:  Reviewed by: 

Prüfbericht - Nr.: 16029851 001
Test Report No.:

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TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

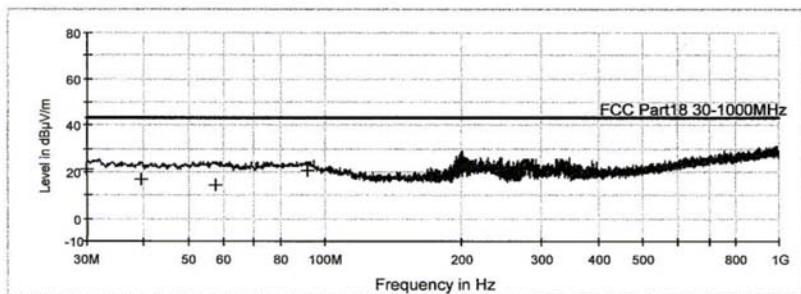
EMC Test Record (Emission)

Common Information

Manufacturer: Guangmao (XinBao)
Test Item: Induction Hotplate
Identification: SR-652R
Test Standard: FCC Part 18
Test Detail: RE
Operation Mode: A. On with max . power
Climate Condition: 23 °C; 50 %RH; 101 kPa.
Test Voltage/ Freq: AC120V / 60Hz
Receipt No: 173059269
Report No: 16029851 001
Result: Pass
Comment: Test distance is 3m, Horizontal

Subrange 1
Frequency Range: 30M-1GHz
Receiver: TUV ESCI 3
Transducer: TUV SAC UVLB 9168/ TUV ESCI 3-TUV SAC UVLB 9168

Pre TUV 30M to 1GHz UVLB9168 Part 18



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarization
30.000000	21.1	13.7	22.4	43.5	H
39.450000	17.0	14.8	26.5	43.5	H
57.400000	14.4	13.9	29.1	43.5	H
91.850000	20.3	10.7	23.2	43.5	H
201.700000	25.8	11.6	17.7	43.5	H
287.550000	22.8	14.7	20.7	43.5	H

Date: 03/05/2011 - Time: 18:41:34

Tested by:  2011.5.03
Reviewed by: 