

TEST REPORT

REPORT NUMBER: I12GC4413-FCC-PART15B

ON

Type of Equipment: GSM (GPRS) Digital Mobile Phone
Type of Designation: ZTE-G S217
Manufacturer: ZTE CORPORATION

ACCORDING TO
Part 15B: Radio Frequency Devices, Oct 1, 2011

China Telecommunication Technology Labs.

Month date, year

Mar 14, 2012

Signature

A handwritten signature in black ink, appearing to be 'He Guili'.

He Guili
Director

FCC ID: Q78-GS217

Report Date: 2012-03-14

Test Firm Name: China Telecommunication Technology Labs

Registration Number: 840587

Statement

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported tests were carried out on a sample equipment to demonstrate limited compliance with FCC CFR 47 Parts 15B. The sample tested was found to comply with the requirements defined in the applied rules.

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1 General Information

1.1 Notes

All reported tests were carried out on a sample equipment to demonstrate limited compliance with FCC CFR 47 Parts 15B.

The test results of this test report relate exclusively to the item(s) tested as specified in section 2.

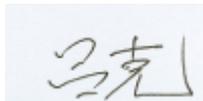
The following deviation from, additions to, or exclusions from the test specifications have been made. See Annex C.

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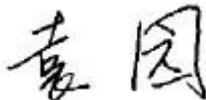
1.2 Testers

Name: Lu Ke
Position: Engineer
Department: Department of EMC test
Signature:



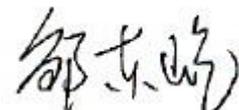
Editor of this test report:

Name: Pan Yang
Position: Engineer
Department: Department of EMC test
Date: 2012-03-14
Signature:



Technical responsibility for area of testing:

Name: Zou Dongyi
Position: Manager
Department: Department of EMC test
Date: 2012-03-14
Signature:



1.3 Testing Laboratory information

1.3.1 Location

Name: China Telecommunication Technology Labs.
Address: No. 11, Yue Tan Nan Jie, Xi Cheng District
BEIJING
P. R. CHINA, 100083
Tel: +86 10 68094053
Fax: +86 10 68011404
Email: emc@chinattl.com

1.3.2 Details of accreditation status

Accredited by: China National Accreditation Service for Conformity
Assessment (CNAS)
Registration number: CNAS Registration No. CNAS L0570
Standard: ISO/IEC 17025:2005

1.3.3 Test location, where different from section 1.3.1

Name: -----
Street: -----
City: -----
Country: -----
Telephone: -----
Fax: -----
Postcode: -----

1.4 Details of applicant or manufacturer

1.4.1 Applicant

Name: ZTE Corporation
Address: No.6, Huashen Avenue, Yuhuatai District, Nanjing,
P.R.CHINA
Country: China
Telephone: + 86-25-52877697
Fax: + 86-25-52877697
Contact: Wu Meixia
Telephone: + 86-25-52877697
Email: wu.meixia1@zte.com.cn

1.4.2 Manufacturer (if different from applicant in section 1.4.1)

Name: --
Address: --

1.4.3 Manufactory (if different from applicant in section 1.4.1)

Name: --
Address: --

2 Test Item

2.1 General Information

Manufacturer: ZTE Corporation
 Model Name: ZTE-G S217
 Product Name: GSM(GPRS)Digital Mobile Phone
 Serial Number: 862679010008611
 Production Status: Product
 Receipt date of test item: 2012-02-02

2.2 Outline of EUT

EUT is a GSM(GPRS)Digital Mobile Phone support GSM/GPRS 850/900/1800/1900. For GPRS, the multi class is 12 (maximum 4 up timeslots)

2.3 Modifications Incorporated in EUT

The EUT has not been modified from what is described by the brand name and unique type identification stated above.

2.4 Equipment Configuration

Equipment configuration list:

| Item | Generic Description | Manufacturer | Type | Serial No. | Remarks |
|------|---------------------|-----------------|--------------------|-----------------|-------------|
| A | phone | ZTE CORPORATION | ZTE-G S217 | 862679010008611 | None |
| B | Computer | HP | -- | -- | by test lab |
| C | Monitor | HP | LP2001 | -- | by test lab |
| D | Mouse | HP | -- | -- | by test lab |
| E | Keyboard | HP | -- | -- | by test lab |
| F | Printer | HP | C6414A | -- | by test lab |
| G | Battery | ZTE CORPORATION | Li3706t42p3h383857 | -- | None |
| H | Adaptor | ZTE CORPORATION | STC-A22050I200M5-C | 101111191817136 | None |

Cables:

| Item | Cable Type | Manufacturer | Length | Shield | Quantity | Remarks |
|------|------------|--------------|--------|--------|----------|---------|
| -- | USB | Unknown | 1 m | No | 1 | None |

2.5 Other Information

Version of hardware and software:

HW Version: GMAN

SW Version: ZTE-CN-8S-P120A50V1.0.0

2.6 EUT Photographs

See external and internal photo of Annex A and B.

3 Summary of Test Results

A brief summary of the tests carried out is shown as following.

| Specification Clause | Name of Test | Result |
|----------------------|--------------------|--------|
| 15.109 | Radiated Emission | Pass |
| 15.107 | Conducted Emission | Pass |

Note: The EUT complies with the requirements of the Class B digital devices.

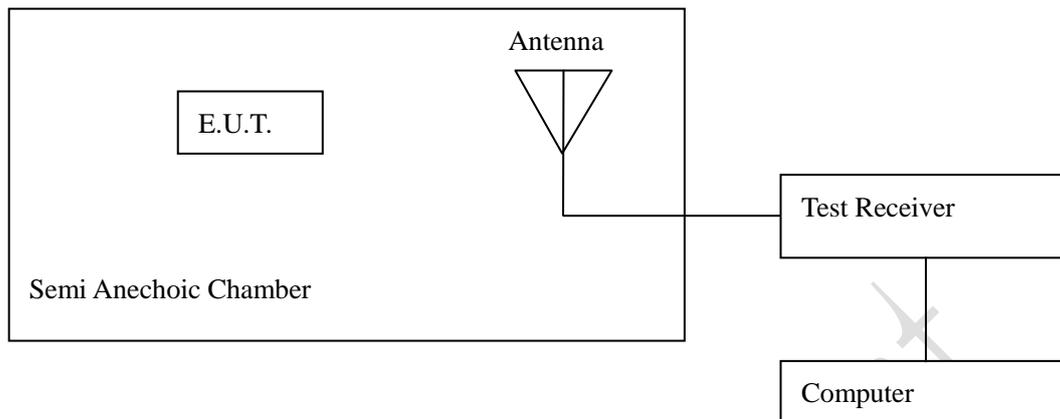
4 Test Results

4.1 Radiated Emission

| Specifications: | 15.109, ANSI C63.4-2003 | | | | | |
|-----------------------------|---|--------------|-----------------|---------------|------------|--------|
| Date of Tests | 2012-02-22 | | | | | |
| Test conditions: | Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa | | | | | |
| Operation Mode | Transfer data | | | | | |
| Test Results: | Pass | | | | | |
| Test equipment Used: | | | | | | |
| Asset Number | Description | Manufacturer | Model Number | Serial Number | Cal Due | State |
| 7805 | EMI Test Receiver | R/S | ESIB26 | 100211 | 2013-01-10 | Normal |
| 7330 | Ultra Broadband Antenna | SCHWARZBECK | VULB 9160 | -- | 2013-11-24 | Normal |
| 7330 | Double-Ridged Horn Antenna | R/S | HF906 | 100037 | 2013-01-24 | Normal |
| 713 | Fully-Anechoic Chamber | ETS | 11.8m×6.5m×6.3m | -- | 2013-11-16 | Normal |

| Limit Level Construction: According to Part 15.109(a). | | | |
|--|-----------------------------|-------------------------------|--------------------------|
| Limits | | | |
| Frequency [MHz] | Field Strength [μ V/m] | Field Strength [dB μ V/m] | Measurement distance [m] |
| 30 -88 | 100 | 40.0 | 3 |
| 88-216 | 150 | 43.5 | 3 |
| 216 - 960 | 200 | 46.0 | 3 |
| Above 960 | 500 | 54.0 | 3 |
| Note: The tighter limit applies at the band edges. | | | |

Test Configuration



The measuring distance between E.U.T and antenna is 3m.

Test Setup:

The EUT was placed in an anechoic chamber, see figure RE. The EUT is tested as tabletop EUT. The EUT is positioned on an 80cm height wood table.

The EUT is used as the peripheral equipment of the PC.

The setup is according to Figure 11a of ANSI C63.4-2003.



Figure RE

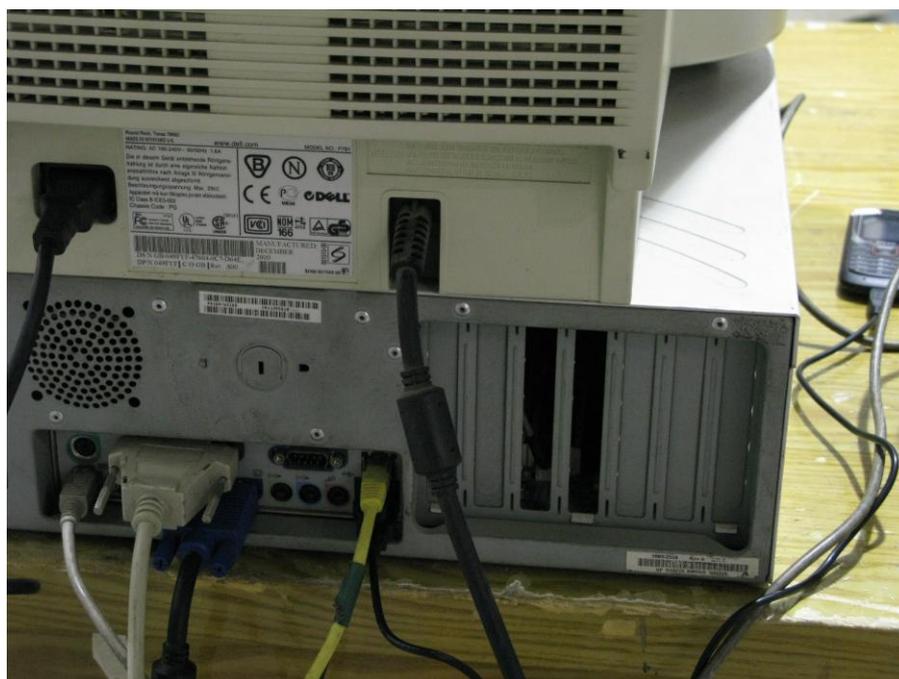


Figure: Ports

Test Method

During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.4-2003. The measurement was done by the automated test system.

RBW: 100kHz

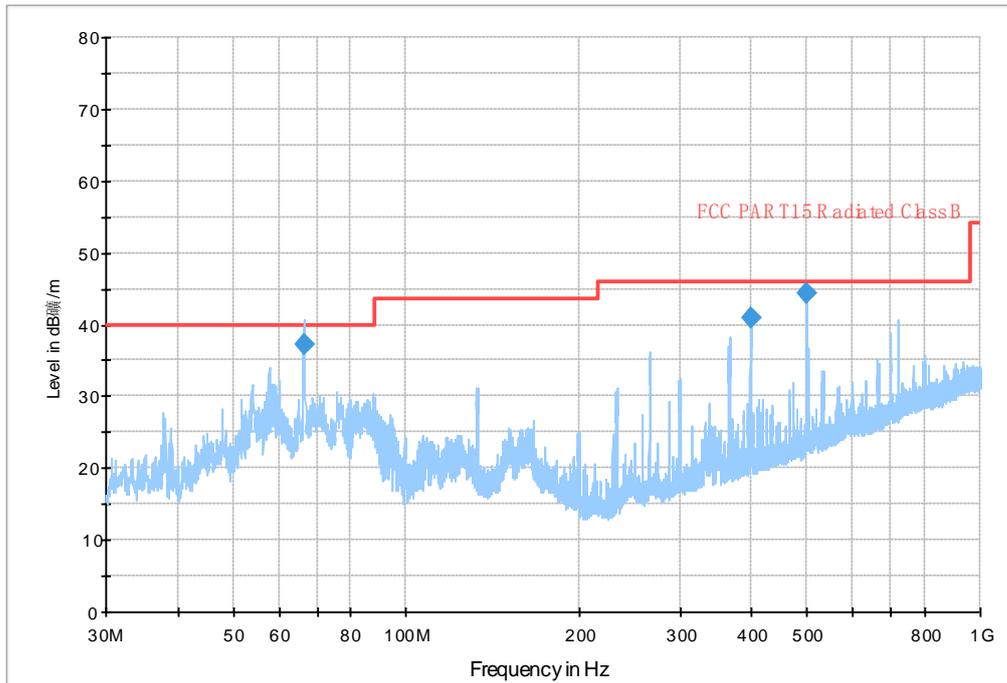
Test Data:

| Frequency [MHz] | Level [dB μ V/m] | Limit [dB μ V/m] | Antenna Height [cm] | Turntable Azimuth [degree] | Antenna Polarisation (V/H) |
|-----------------|----------------------|----------------------|---------------------|----------------------------|----------------------------|
| 66.320000 | 37.3 | 40 | 125 | 225 | V |
| 397.720000 | 40.9 | 46 | 100 | 86 | V |
| 499.640000 | 44.3 | 46 | 175 | 12 | H |
| Remarks: -- | | | | | |

Remark: The test result is the worst case.

Graphical Results:

FCC



Graphical results

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4.2 Conducted Emission

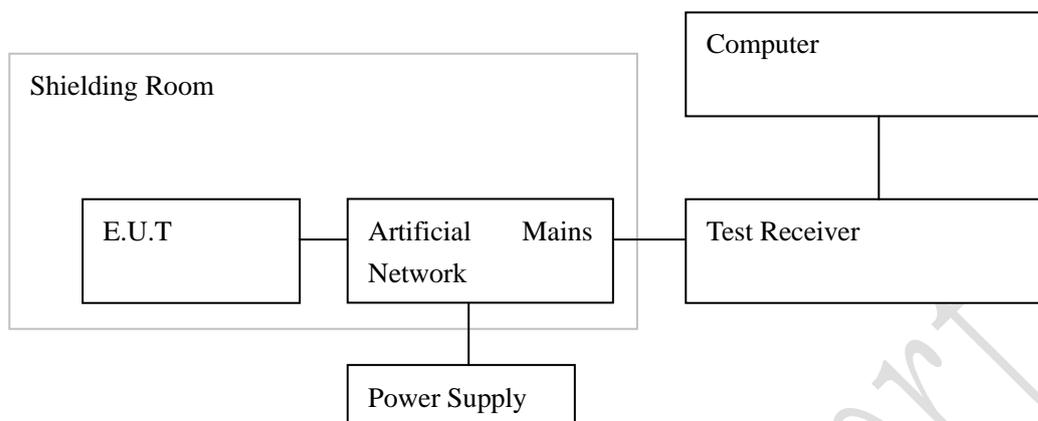
| Specifications: | 15.107, ANSI C63.4-2003 | | | | | |
|-----------------------------|---|--------------|--------------|---------------|------------|--------|
| Date of Tests | 2012-02-23 | | | | | |
| Test conditions: | Ambient Temperature: 15°C-35°C Relative Humidity: 30%-60% Air pressure: 86-106kPa | | | | | |
| Operation Mode | Transfer data | | | | | |
| Test Results: | Pass | | | | | |
| Test equipment Used: | | | | | | |
| Asset Number | Description | Manufacturer | Model Number | Serial Number | Cal Due | State |
| 7330 | EMI Test Receiver | R/S | ESI40 | 839283/007 | 2012-02-15 | Normal |
| 7330 | Artificial Mains Network | R/S | ESH2-Z5 | 837480/002 | 2013-04-06 | Normal |
| 714 | Shielding Room | ETS | -- | 19003 | 2013-11-15 | Normal |

| |
|--|
| Limit Level Construction: According to Part 15.107 (a) |
|--|

| Limits for Conducted Emission | | |
|--------------------------------------|------------------------|-----------|
| Frequency of Emission [MHz] | Conducted limit [dBµV] | |
| | Quasi-peak | Average |
| 0.15 - 0.5 | 66 to 56* | 56 to 46* |
| 0.5 - 5 | 56 | 46 |
| 5 - 30 | 60 | 50 |

* Decreases with the logarithm of the frequency.

Test Configuration



Test Setup:

The EUT was placed in a shielding room, see figure CE. The EUT is positioned on an 80cm height wood table. The EUT is used as the peripheral equipment of the PC.

The setup is according to Figure 10a of ANSI C63.4-2003.



Figure CE

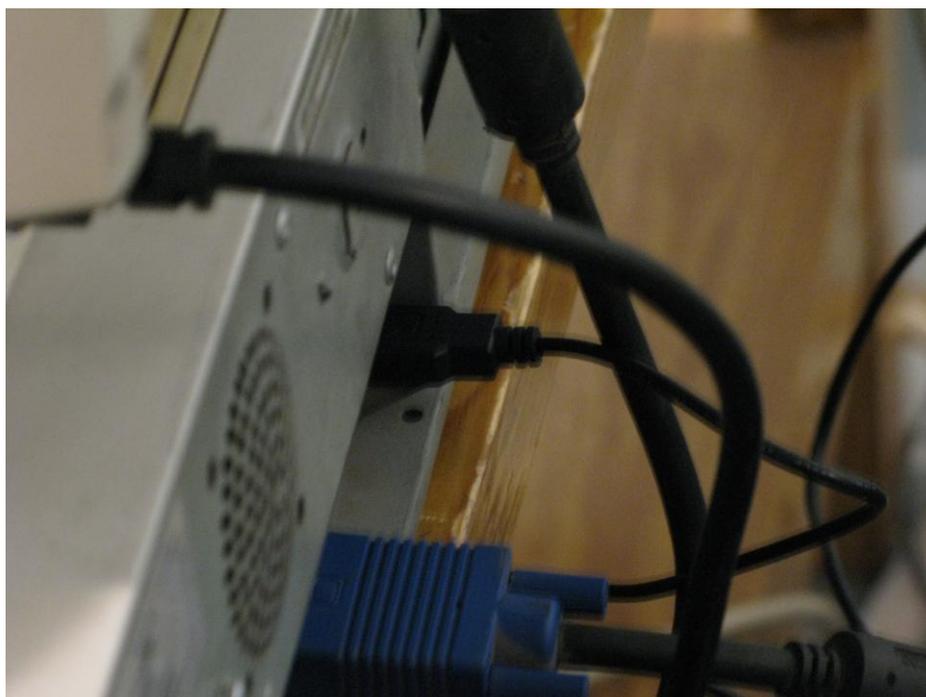


Figure: Ports

Test Method:

During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.4-2003. The AC power line of the Notebook was connected to the artificial mains network then to EMI receiver. The measurement was done by the automated test system.

RBW: 9kHz

Line L:

| Detector (QP/AV) | Frequency (MHz) | Level (dBµV) | Transducer (dB) | Limit (dB) | PE |
|------------------|-----------------|--------------|-----------------|------------|-----|
| AV | 0.834000 | 41.40 | 10.1 | 46 | GND |
| AV | 0.870000 | 41.40 | 10.1 | 46 | GND |
| AV | 1.135500 | 42.00 | 10.1 | 46 | GND |
| AV | 1.176000 | 43.20 | 10.2 | 46 | GND |
| AV | 1.212000 | 44.90 | 10.2 | 46 | GND |
| AV | 1.248000 | 41.30 | 10.2 | 46 | GND |

Remarks: The test result is the worst case.

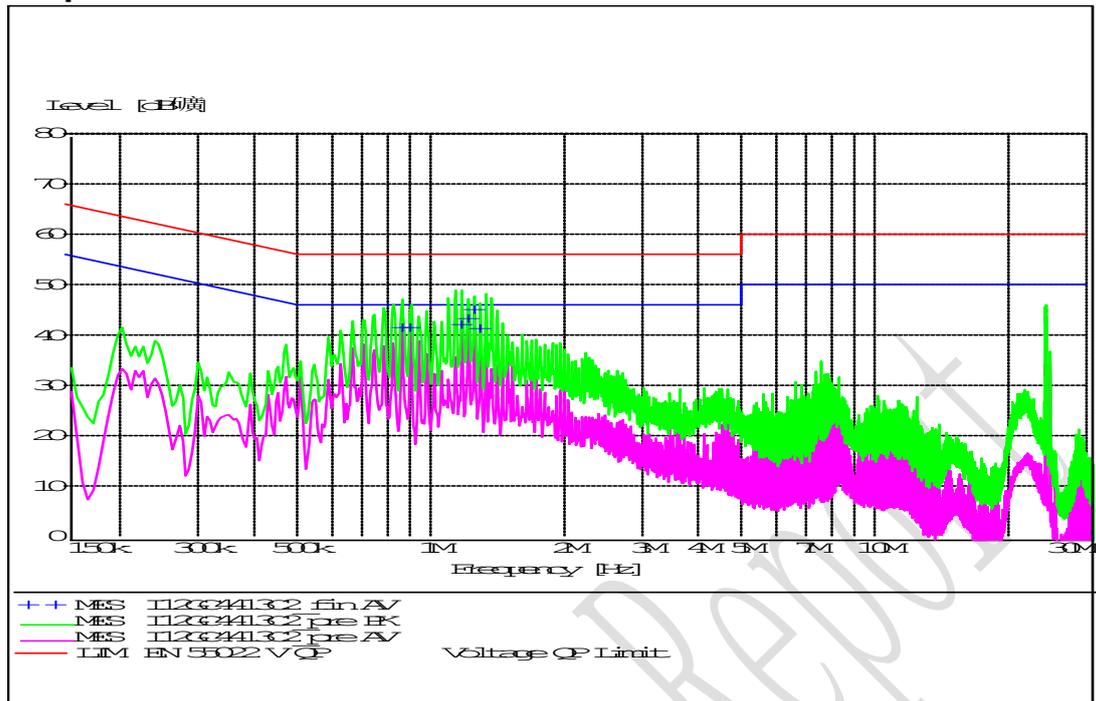
Line N:

| Detector (QP/AV) | Frequency (MHz) | Level (dBµV) | Transducer (dB) | Limit (dB) | PE |
|------------------|-----------------|--------------|-----------------|------------|-----|
| AV | 0.834000 | 41.60 | 10.1 | 46 | GND |
| AV | 0.870000 | 41.50 | 10.1 | 46 | GND |
| AV | 1.135500 | 42.10 | 10.1 | 46 | GND |
| AV | 1.176000 | 43.30 | 10.2 | 46 | GND |
| AV | 1.212000 | 44.90 | 10.2 | 46 | GND |
| AV | 1.248000 | 41.20 | 10.2 | 46 | GND |

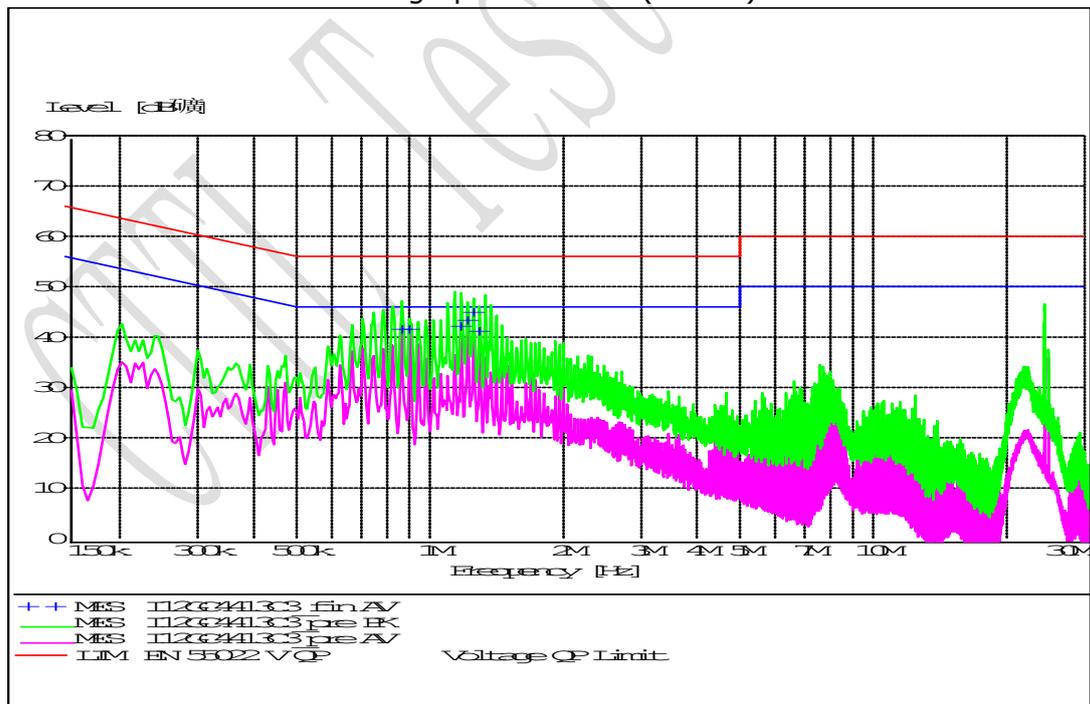
Remarks: The test result is the worst case.

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Graphical results:



CE graphical results(LINE L)



CE graphical results(LINE N)

ANNEX C Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

————— The End of this Report —————

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