B-Mobile Limited

Mobile Phone

Main Model: A5 Serial Model: N/A

May 18, 2012 Report No.: 12050037-FCC-E1

(This report supersedes NONE)



Modifications made to the product : None

This Test Report is Issued Under the Authority of:

Deon Dai Alex Liu Compliance Engineer Technical Manager

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Test result presented in this test report is applicable to the representative sample only.

Report No:12050037-FCC-E1Issue Date:May 18, 2012Page:2 of 31www.siemic.com cr

Laboratory Introduction

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Accreditations for Conformity Assessment

| Country/Region | Accreditation Body | Scope | |
|-----------------------|---|-------------------------------|--|
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| Canada | IC, A2LA, NIST | EMC, RF/Wireless, Telecom | |
| Taiwan | BSMI , NCC , NIST | EMC, RF, Telecom , Safety | |
| Hong Kong | OFTA , NIST | RF/Wireless ,Telecom | |
| Australia | NATA, NIST | EMC, RF, Telecom , Safety | |
| Korea | KCC/RRA, NIST | EMI, EMS, RF, Telecom, Safety | |
| Japan | VCCI, JATE, TELEC, RFT EMI, RF/Wireless, Te | | |
| Mexico | Mexico NOM, COFETEL, Caniety Safety, EMC, RF/Wireless | | |
| Europe | A2LA, NIST | EMC, RF, Telecom , Safety | |

Accreditations for Product Certifications

| Country/Region | Accreditation Body | Scope | |
|----------------|--------------------|-----------------------|--|
| USA | FCC TCB, NIST | EMC, RF, Telecom | |
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| Singapore | iDA, NIST | EMC, RF, Telecom | |
| EU | NB | EMC & R&TTE Directive | |
| Japan | MIC, (RCB 208) | RF, Telecom | |
| Hong Kong | OFTA (US002) | RF, Telecom | |

Report No: 12050037-FCC-E1 Issue Date: May 18, 2012 Page: 3 of 31 www.siemic.com.cn

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<u>CONTENTS</u>

| 1 | EXECUTIVE SUMMARY & EUT INFORMATION | 5 |
|-----|---|----|
| 2 | TECHNICAL DETAILS | 6 |
| 3 | MODIFICATION | 7 |
| 4 | TEST SUMMARY | 8 |
| 5 | MEASUREMENTS, EXAMINATION AND DERIVED RESULTS | 9 |
| AN | NEX A. TEST INSTRUMENT & METHOD | 19 |
| ANN | NEX B. EUT AND TEST SETUP PHOTOGRAPHS | 24 |
| ANN | NEX C. TEST SETUP AND SUPPORTING EQUIPMENT | 25 |
| AN | NEX D. USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PART LIST | 30 |
| AN | NEX E. DECLARATION OF SIMILARITY | 31 |

Report No:12050037-FCC-E1Issue Date:May 18, 2012Page:5 of 31www.siomia.com at

1 EXECUTIVE SUMMARY & EUT INFORMATION

The purpose of this test programme was to demonstrate compliance of the B-Mobile Limited, Mobile Phone and model: A5 against the current Stipulated Standards. The Mobile Phone has demonstrated compliance with the FCC Part 15 Subpart B Class B: 2012.

| | EUT Information |
|---|---|
| EUT Description | : Mobile Phone |
| Main Model | : A5 |
| Serial Model | : N/A B mobile AC Adapter Input: AC 110-240V 0.2A 50/60Hz |
| Input Power | Output: DC 5.0V 500mA : Li-ion Battery Model : A6 Charging Voltage: 3.7V 1200 mAh Charge Cut-off Voltage: 4.2 V |
| Classification Per Stipulated Test Standard | : FCC Part 15 Subpart B Class B: 2012 |

Report No:12050037-FCC-E1Issue Date:May 18, 2012Page:6 of 31

2 TECHNICAL DETAILS

| Purpose | Compliance testing of Mobile Phone with stipulated standard |
|------------------------------------|---|
| Applicant / Client | B-Mobile Limited G/F 144,Un Chau Street Sham Shui Po,Kowloon,Hong Kong |
| Manufacturer | Golden Knight Industrial Co.,Ltd Room 604,Guoren Mansion , Sic-tech 3rd Road, Sic-tech park, NanShan, SZ |
| Laboratory performing the tests | SIEMIC Nanjing (China) Laboratories NO.2-1,Longcang Dadao, Yuhua Economic Development Zone, Nanjing, China Tel:+86(25)86730128/86730129 Fax:+86(25)86730127 Email:info@siemic.com |
| Test report reference number | 12050037-FCC-E1 |
| Date EUT received | May 3, 2012 |
| Standard applied | FCC Part 15 Subpart B Class B: 2012 |
| Dates of test | May 8, 2012 |
| No of Units | #1 |
| Equipment Category | Class B Emission Product |
| Trade Name | B mobile |
| RF Operating Frequency (ies) | GSM850 TX : 824.2 ~ 848.8 MHz; RX : 869.2 ~ 893.8 MHz PCS1900 TX : 1850.2 ~ 1909.8 MHz; RX : 1930.2 ~ 1989.8 MHz UMTS-FDD Band V TX : 826.4 ~ 846.6 MHz; RX : 871.4 ~ 891.6 MHz UMTS-FDD Band II TX :1852.4 ~ 1907.6 MHz; RX : 1932.4 ~ 1987.6 MHz WLAN:2.4GHz band: 802.11b/g : 2412-2462 MHz Bluetooth : 2402-2480 MHz |
| Number of Channels | 299CH (PCS1900) and 124CH (GSM850) UMTS-FDD Band V : 102CH UMTS-FDD Band II : 277CH Bluetooth: 79CH WiFi: 11CH |
| Modulation | GSM / GPRS: GMSK UMTS-FDD: QPSK WLAN: DSSS Bluetooth: GFSK |
| GPRS Multi-slot class | 8/10/12 |
| FCC ID | ZSW-AX525-AX515 |



Report No:12050037-FCC-E1Issue Date:May 18, 2012Page:7 of 31unified and the second seco

3 MODIFICATION

NONE

4 TEST SUMMARY

The product was tested in accordance with the following specifications. All testing has been performed according to below product classification:

Class B Emission Product

Test Results Summary

| Emissions | | | | | | | |
|--|-----------------------------|------------------|-------------|--|--|--|--|
| Test Standard | Description | Product Class | Pass / Fail | | | | |
| FCC Part 15 Subpart B Class B: 2012 | AC Line Conducted Emissions | See Above | Pass | | | | |
| FCC Part 15 Subpart B Class B: 2012 | Radiated Emissions | See Above | Pass | | | | |

All measurement uncertainty is not taken into consideration for all presented test result.

5 <u>MEASUREMENTS, EXAMINATION AND DERIVED</u> <u>RESULTS</u>

5.1 AC Line Conducted Emissions Test Result

Note:

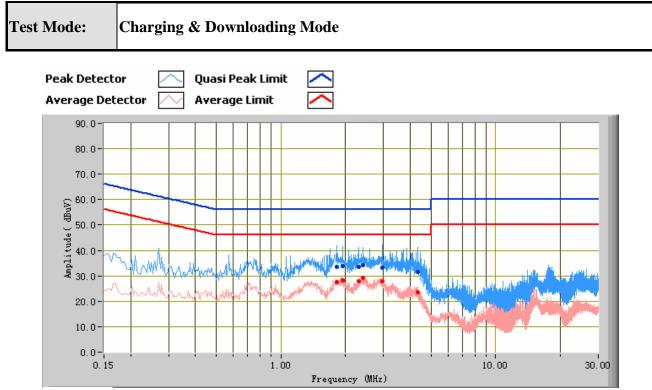
- 1. All possible modes of operation were investigated. Only the 6 worst case emissions measured, using the correct CISPR and Average detectors, are reported. All other emissions were relatively insignificant.
- 2. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
- 3. Conducted Emissions Measurement Uncertainty All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 9 kHz – 30 MHz (Average & Quasi-peak) is ±3.86dB.
- 4. Environmental Conditions Temperature

Relative Humidity Atmospheric Pressure 16°C 50% 1009mbar

5. Test date : May 8, 2012 Tested By : Deon Dai

Test Result: Pass



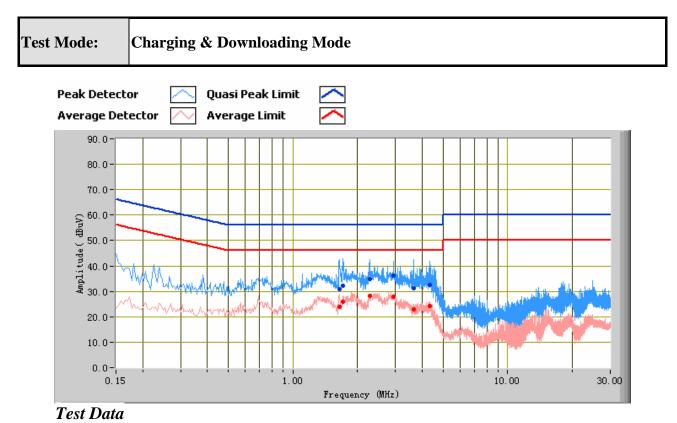


Test Data

Phase Line Plot at 120Vac, 60Hz

| Frequency (MHz) | Quasi Peak (dBµV) | Limit (dBµV) | Margin (dB) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Factors (dB) | |
|--------------------|-------------------------|-----------------|----------------|-------------------|-----------------|----------------|-----------------|--|
| 2.97 | 33.20 | 56.00 | -22.80 | 27.73 | 46.00 | -18.27 | 10.20 | |
| 1.83 | 33.45 | 56.00 | -22.55 | 27.65 | 46.00 | -18.35 | 10.19 | |
| 1.93 | 33.74 | 56.00 | -22.26 | 28.31 | 46.00 | -17.69 | 10.20 | |
| 2.29 | 33.56 | 56.00 | -22.44 | 27.81 | 46.00 | -18.19 | 10.20 | |
| 2.41 | 34.37 | 56.00 | -21.63 | 29.09 | 46.00 | -16.91 | 10.20 | |
| 4.35 | 31.47 | 56.00 | -24.53 | 23.53 | 46.00 | -22.47 | 10.45 | |

Report No:12050037-FCC-E1Issue Date:May 18, 2012Page:11 of 31university compared and the second secon



Phase Neutral Plot at 120Vac, 60Hz

| Frequency (MHz) | Quasi Peak (dBµV) | Limit (dBµV) | Margin (dB) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Factors (dB) |
|--------------------|-------------------------|-----------------|----------------|-------------------|-----------------|----------------|-----------------|
| 1.71 | 32.11 | 56.00 | -23.89 | 25.76 | 46.00 | -20.24 | 10.19 |
| 3.66 | 31.06 | 56.00 | -24.94 | 23.04 | 46.00 | -22.96 | 10.40 |
| 1.64 | 30.83 | 56.00 | -25.17 | 24.06 | 46.00 | -21.94 | 10.19 |
| 2.29 | 34.91 | 56.00 | -21.09 | 28.07 | 46.00 | -17.93 | 10.20 |
| 4.33 | 32.48 | 56.00 | -23.52 | 24.26 | 46.00 | -21.74 | 10.45 |
| 2.94 | 36.04 | 56.00 | -19.96 | 27.90 | 46.00 | -18.10 | 10.20 |

SIEMIC, INC. Accessing global marinels EMC Test Report for Mobile Phone Title:EM0Main Model:A5Serial Model:N/ATo:FCC Report No:12050037-FCC-E1Issue Date:May 18, 2012Page:12 of 31 FCC Part 15 Subpart B Class B: 2012 **Test Mode: GPS Receiving Mode** $\overline{\sim}$ Peak Detector Quasi Peak Limit Average Detector Average Limit 90.0-80.0-70.0-Amplitude (dBuV) -0.05 -0.07 -0.02 -0.08 ALL ALL A

20.0 10.0 0.0-0.15 1.00 Frequency (MHz) Test Data

Phase Neutral Plot at 120Vac. 60Hz

30.00

| i hase i teutiai i iot at 120 v ac, ooliz | | | | | | | | |
|---|-------------------------|-----------------|----------------|-------------------|-----------------|----------------|-----------------|--|
| Frequency (MHz) | Quasi Peak (dBµV) | Limit (dBµV) | Margin (dB) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Factors (dB) | |
| 1.02 | 44.03 | 56.00 | -11.97 | 35.48 | 46.00 | -10.52 | 10.16 | |
| 1.87 | 33.71 | 56.00 | -22.29 | 21.28 | 46.00 | -24.72 | 10.20 | |
| 1.94 | 35.75 | 56.00 | -20.25 | 22.87 | 46.00 | -23.13 | 10.20 | |
| 1.13 | 29.88 | 56.00 | -26.12 | 20.84 | 46.00 | -25.16 | 10.16 | |
| 1.39 | 43.51 | 56.00 | -12.49 | 34.33 | 46.00 | -11.67 | 10.18 | |
| 2.00 | 34.14 | 56.00 | -21.86 | 18.91 | 46.00 | -27.09 | 10.20 | |

SIEMIC, INC. Accessing global marinels EMC Test Report for Mobile Phone Title:EM0Main Model:A5Serial Model:N/ATo:FCC
 Report No:
 12050037-FCC-E1

 Issue Date:
 May 18, 2012

 Page:
 13 of 31
 FCC Part 15 Subpart B Class B: 2012 **Test Mode: GPS Receiving Mode** $\overline{\sim}$ Peak Detector Quasi Peak Limit Average Detector Average Limit 90.0-80.0-70.0-Amplitude (dBuV) - 0.05 - 0.05 - 0.05 - 0.05 - 0.05 20.0

20.0-10.0-0.0-0.15 1.00 Frequency (MHz)

Test Data

Phase Neutral Plot at 120Vac, 60Hz

30.00

| Frequency (MHz) | Quasi Peak (dBuV) | Limit (dBuV) | Margin (dB) | Average (dBuV) | Limit (dBuV) | Margin (dB) | Factors (dB) |
|--------------------|-------------------------|-----------------|----------------|-------------------|-----------------|----------------|-----------------|
| 0.50 | 42.60 | 56.03 | -13.43 | 33.41 | 46.03 | -12.62 | 10.17 |
| 1.87 | 41.68 | 56.00 | -14.32 | 29.16 | 46.00 | -16.84 | 10.20 |
| 1.94 | 41.50 | 56.00 | -14.50 | 30.00 | 46.00 | -16.00 | 10.20 |
| 2.13 | 40.57 | 56.00 | -15.43 | 29.78 | 46.00 | -16.22 | 10.20 |
| 2.07 | 40.29 | 56.00 | -15.71 | 29.01 | 46.00 | -16.99 | 10.20 |
| 1.25 | 41.88 | 56.00 | -14.12 | 33.48 | 46.00 | -12.52 | 10.17 |

Report No: 12050037-FCC-E1 Issue Date: May 18, 2012 Page: 14 of 31 www.siemic.com.cr

5.2 Radiated Emissions Test Result

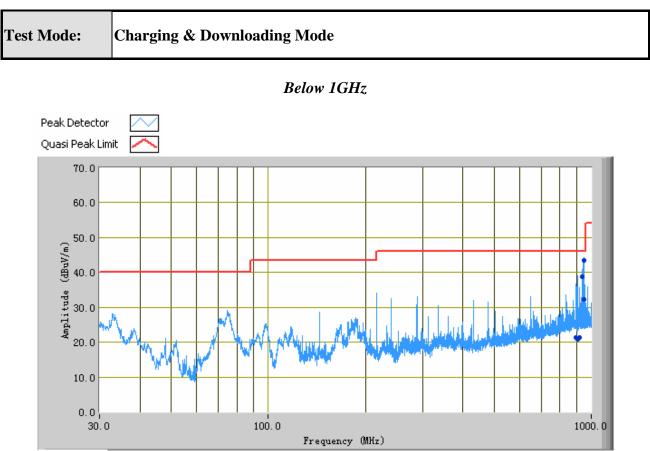
Note:

- 1. All possible modes of operation were investigated. Only the 6 worst case emissions measured, using the correct CISPR detectors, are reported. All other emissions were relatively insignificant.
- 2. A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
- 3. Radiated Emissions Measurement Uncertainty All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2, in the range 30MHz – 1GHz & 1GHz above (3m & 10m) is +5.6/-4.5dB.

| 4. | Environmental Conditions | Temperature | 16℃ |
|----|--------------------------|----------------------|----------|
| | | Relative Humidity | 50% |
| | | Atmospheric Pressure | 1009mbar |
| 5. | Test date : May 8, 2012 | - | |
| | Tested By : Deon Dai | | |

Test Result: Pass

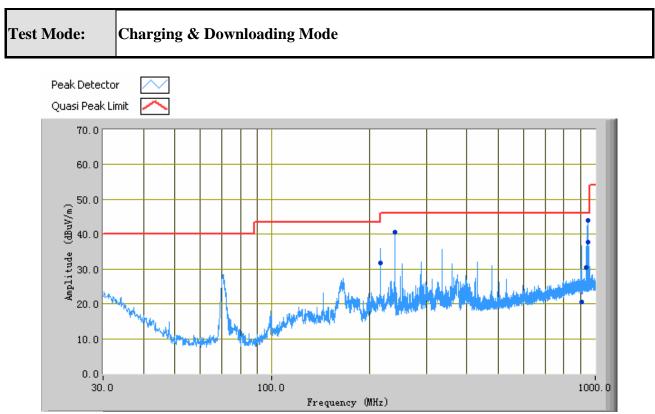
Report No:12050037-FCC-E1Issue Date:May 18, 2012Page:15 of 31umunu sigmia com at



Test Data

Vertical Polarity Plot @3m

| Frequency (MHz) | Quasi Peak (dBµV/m) | Azimuth | Polarity (H/V) | Height (cm) | Factors (dB) | Limit (dBµV/m) | Margin (dB) |
|--------------------|---------------------------|---------|-------------------|----------------|-----------------|-------------------|----------------|
| 949.98 | 43.56 | 285.00 | V | 111.00 | -20.32 | 46.00 | -2.44 |
| 939.06 | 38.65 | 268.00 | V | 382.00 | -20.64 | 46.00 | -7.35 |
| 951.33 | 32.36 | 20.00 | V | 338.00 | -20.27 | 46.00 | -13.64 |
| 905.10 | 20.83 | 256.00 | V | 321.00 | -20.07 | 46.00 | -25.17 |
| 898.85 | 21.25 | 234.00 | V | 139.00 | -20.22 | 46.00 | -24.75 |
| 916.70 | 21.32 | 3.00 | V | 360.00 | -19.74 | 46.00 | -24.68 |



 Report No:
 12050037-FCC-E1

 Issue Date:
 May 18, 2012

 Page:
 16 of 31

Test Data

Horizontal Polarity Plot @3m

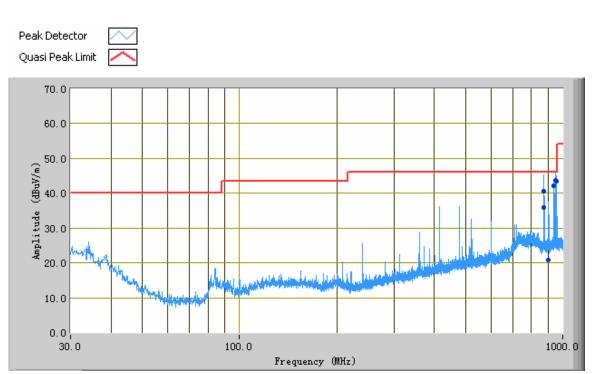
| Frequenc y (MHz) | Quasi Peak (dBµV/m) | Azimuth | Polarity (H/V) | Height (cm) | Factors (dB) | Limit (dBµV/m) | Margin (dB) |
|---------------------|---------------------------|---------|-------------------|----------------|-----------------|-------------------|----------------|
| 950.01 | 43.92 | 1.00 | Н | 184.00 | -20.32 | 46.00 | -2.08 |
| 239.99 | 40.52 | 178.00 | Н | 143.00 | -33.05 | 46.00 | -5.48 |
| 951.32 | 37.61 | 98.00 | Н | 371.00 | -20.27 | 46.00 | -8.39 |
| 908.75 | 20.66 | 11.00 | Н | 336.00 | -19.98 | 46.00 | -25.34 |
| 937.19 | 30.35 | 100.00 | Н | 252.00 | -20.54 | 46.00 | -15.65 |
| 216.43 | 31.65 | 228.00 | Н | 196.00 | -33.59 | 46.00 | -14.35 |

Note: The data above 1 GHz which below 20 dB to the limit was not recorded.

Report No:12050037-FCC-E1Issue Date:May 18, 2012Page:17 of 31unway signification of an experimental sector of an experimental sec

Test Mode:

GPS Receiving Mode



Test Data

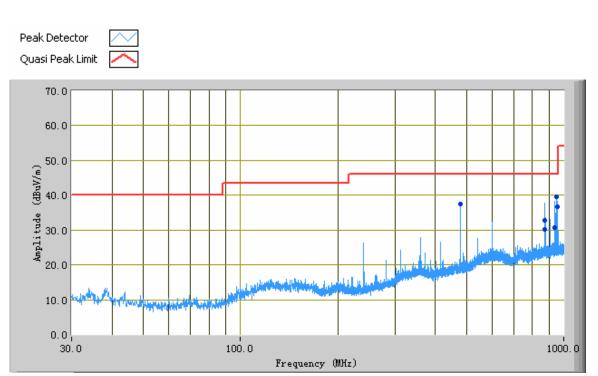
Vertical Polarity Plot @3m

| Frequency (MHz) | Quasi Peak (dBµV/m) | Azimuth | Polarity (H/V) | Height (cm) | Factors (dB) | Limit (dBµV/m) | Margin (dB) |
|--------------------|---------------------------|---------|-------------------|----------------|-----------------|-------------------|----------------|
| 947.26 | 43.74 | 248.00 | V | 353.00 | -20.42 | 46.00 | -2.26 |
| 872.55 | 40.48 | 108.00 | V | 324.00 | -20.56 | 46.00 | -5.52 |
| 953.46 | 43.53 | 353.00 | V | 335.00 | -20.20 | 46.00 | -2.47 |
| 937.20 | 42.04 | 0.00 | V | 332.00 | -20.55 | 46.00 | -3.96 |
| 875.50 | 35.95 | 143.00 | V | 189.00 | -20.44 | 46.00 | -10.05 |
| 902.21 | 20.81 | 138.00 | V | 380.00 | -20.16 | 46.00 | -25.19 |

Report No:12050037-FCC-E1Issue Date:May 18, 2012Page:18 of 31www.siamic.com c



GPS Receiving Mode



Test Data

Horizontal Polarity Plot @3m

| Frequency (MHz) | Quasi Peak (dBµV/m) | Azimuth | Polarity (H/V) | Height (cm) | Factors (dB) | Limit (dBµV/m) | Margin (dB) |
|--------------------|---------------------------|---------|-------------------|----------------|-----------------|-------------------|----------------|
| 947.27 | 39.48 | 214.00 | Н | 172.00 | -21.18 | 46.00 | -6.52 |
| 937.13 | 30.72 | 103.00 | Н | 268.00 | -21.32 | 46.00 | -15.28 |
| 953.41 | 36.64 | 124.00 | Н | 345.00 | -20.93 | 46.00 | -9.36 |
| 479.99 | 37.46 | 173.00 | Н | 100.00 | -28.51 | 46.00 | -8.54 |
| 872.64 | 32.91 | 225.00 | Н | 257.00 | -21.28 | 46.00 | -13.09 |
| 875.68 | 30.23 | 273.00 | Н | 366.00 | -21.19 | 46.00 | -15.77 |

Note: The data above 1 GHz which below 20 dB to the limit was not recorded.

Annex A. TEST INSTRUMENT & METHOD

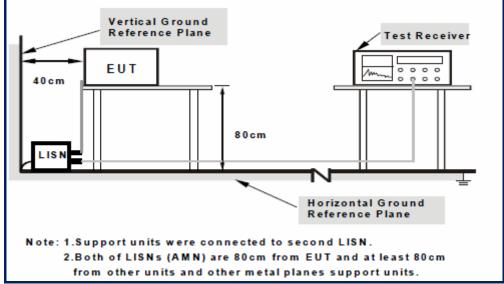
Annex A.i. TEST INSTRUMENTATION & GENERAL PROCEDURES

| Instrument | Model | Calibration Date | Calibration Due Date |
|----------------------------------|----------------------------|---------------------|-------------------------|
| AC Line Conducted Emissions | | | |
| R&S EMI Test Receiver | ESPI3 | 05/25/2011 | 05/25/2012 |
| Com-Power LISN | LI-115 | 05/26/2011 | 05/25/2012 |
| A-INFOMW Antenna(1 ~18GHz) | JXTXLB-10180 | 06/02/2011 | 06/02/2012 |
| Radiated Emissions | | | |
| Hp Spectrum Analyzer | 8563E | 01/10/2012 | 01/09/2013 |
| R&S EMI Receiver | ESPI3 | 08/26/2011 | 08/25/2012 |
| Antenna (30MHz~2GHz) | JB1 | 10/04/2011 | 10/03/2012 |
| ETS-Lindgren Antenna(1 ~18 GHz) | 3115 | 10/04/2011 | 10/03/2012 |
| A-INFOMW Antenna(1 ~18 GHz) | JXTXLB-10180 | 06/25/2011 | 06/24/2012 |
| Horn Antenna (18~40GHz) | AH-840 | 07/23/2011 | 07/22/2013 |
| Microwave Pre-Amp (18~40GHz) | PA-840 | Every 2000 Hours | |
| Hp Agilent Pre-Amplifier | 8447F | 05/26/2011 | 05/25/2012 |
| MITEQ Pre-Amplifier(1 ~ 18GHz) | AMF-7D-00101800-30- 10P | 05/26/2011 | 05/25/2012 |
| Chamber | 3m | 04/13/2012 | 04/13/2013 |

Annex A.ii. AC LINE CONDUCTED EMISSIONS TEST DESCRIPTION

Test Set-up

- 1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table, as shown in <u>Annex B</u>.
- 2. The power supply for the EUT was fed through a $50\Omega/50\mu$ H EUT LISN, connected to filtered mains.
- 3. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss coaxial cable.
- 4. All other supporting equipments were powered separately from another main supply.



For the actual test configuration, please refer to the related item - Photographs of the Test Configuration1

Test Method

- 1. The EUT was switched on and allowed to warm up to its normal operating condition.
- 2. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power) over the required frequency range using an EMI test receiver.
- 3. High peaks, relative to the limit line, were then selected.
- 4. The EMI test receiver was then tuned to the selected frequencies and the necessary measurements made with a receiver bandwidth setting of 10 kHz. For FCC tests, only Quasi-peak measurements were made; while for CISPR/EN tests, both Quasi-peak and Average measurements were made.
- 5. Steps 2 to 4 were then repeated for the LIVE line (for AC mains) or DC line (for DC power).

Description of Conducted Emission Program

This EMC Measurement software run LabView automation software and offers a common user interface for electromagnetic interference (EMI) measurements. This software is a modern and powerful tool for controlling and monitoring EMI test receivers and EMC test systems. It guarantees reliable collection, evaluation, and documentation of measurement results. Basically, this program will run a pre-scan measurement before it proceeds with the final measurement. The pre-scan routine will run the common scan range from 150 kHz to 30 MHz; the program will first start a peak and average scan on selectable measurement time and step size. After the program complete the pre-scan, this program will perform the Quasi Peak and Average measurement, based on the pre-scan peak data reduction result.

Report No: 12050037-FCC-E1 Issue Date: May 18, 2012 Page: 21 of 31 www.siemic.com.cn

Sample Calculation Example

| At 20 MHz | $limit = 250 \ \mu V = 47.96 \ dB\mu V$ | | |
|---|---|--|--|
| Transducer factor of LISN, pulse limiter & cable loss at 20 MHz = 11.20 dB | | | |
| Q-P reading obtained directly from EMI Receiver = $40.00 \text{ dB}\mu\text{V}$ (Calibrated for system losses) | | | |
| Therefore, Q-P margin = $47.96 - 40.00 = 7.96$ | i.e. 7.96 dB below limit | | |

Report No:12050037-FCC-E1Issue Date:May 18, 2012Page:22 of 31unwar siemic com or

Annex A.iii. RADIATED EMISSIONS TEST DESCRIPTION

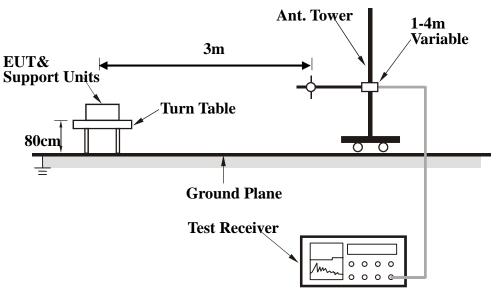
EUT Characterisation

EUT characterisation, over the frequency range from 30MHz to 10th Harmonic, was done in order to minimise radiated emissions testing time while still maintaining high confidence in the test results.

The EUT was placed in the chamber, at a height of about 0.8m on a turntable. Its radiated emissions frequency profile was observed, using a spectrum analyzer /receiver with the appropriate broadband antenna placed 3m away from the EUT. Radiated emissions from the EUT were maximised by rotating the turntable manually, changing the antenna polarisation and manipulating the EUT cables while observing the frequency profile on the spectrum analyzer / receiver. Frequency points at which maximum emissions occurred, clock frequencies and operating frequencies were then noted for the formal radiated emissions test at the Open Area Test Site (OATS) or EMC chamber.

Test Set-up

- 1. The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m X 1.0m X 0.8m high, non-metallic table.
- 2. The filtered power supply for the EUT and supporting equipment were tapped from the appropriate power sockets located on the turntable.
- 3. The relevant broadband antenna was set at the required test distance away from the EUT and supporting equipment boundary.



For the actual test configuration, please refer to the related item - Photographs of the Test Configuration2

Report No: 12050037-FCC-E1 Issue Date: May 18, 2012 Page: 23 of 31 www.siemic.com.cn

Test Method

The following procedure was performed to determine the maximum emission axis of EUT:

- 1. With the receiving antenna is H polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
- 2. With the receiving antenna is V polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
- 3. Compare the results derived from above two steps. So, the axis of maximum emission from EUT was determined and the configuration was used to perform the final measurement.

Final Radiated Emission Measurement

1. Setup the configuration according to figure 1. Turn on EUT and make sure that it is in normal function.

- 2. For emission frequencies measured below 1 GHz, a pre-scan is performed in a shielded chamber to determine the accurate frequencies of higher emissions will be checked on a open test site. As the same purpose, for emission frequencies measured above 1 GHz, a pre-scan also be performed with a 1 meter measuring distance before final test.
- 3. For emission frequencies measured below and above 1 GHz, set the spectrum analyzer on a 100 kHz and 1 MHz resolution bandwidth respectively for each frequency measured in step 2.
- 4. The search antenna is to be raised and lowered over a range from 1 to 4 meters in horizontally polarized orientation. Position the highness when the highest value is indicated on spectrum analyzer, then change the orientation of EUT on test table over a range from 0° to 360° with a speed as slow as possible, and keep the azimuth that highest emission is indicated on the spectrum analyzer. Vary the antenna position again and record the highest value as a final reading.
- 5. Repeat step 4 until all frequencies need to be measured were complete.
- 6. Repeat step 5 with search antenna in vertical polarized orientations.

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

| Frequency Band (MHz) | Function | Resolution bandwidth | Video Bandwidth | |
|----------------------|----------|----------------------|-----------------|--|
| 30 to 1000 | Peak | 100 kHz | 100 kHz | |
| Above 1000 | Peak | 1 MHz | 1 MHz | |
| Above 1000 | Average | 1 MHz | 10 Hz | |

Sample Calculation Example

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. For the limit is employed average value, therefore the peak value can be transferred to average value by subtracting the duty factor. The basic equation with a sample calculation is as follows: Peak = Reading + Corrected Factor

where

Corr. Factor = Antenna Factor + Cable Factor - Amplifier Gain (if any) And the average value is

Average = Peak Value + Duty Factor or Set RBW = 1MHz, VBW = 10Hz.

Note:

If the measured frequencies are fall in the restricted frequency band, the limit employed must be quasi peak value when frequencies are below or equal to 1 GHz. And the measuring instrument is set to quasi peak detector function.

Report No:12050037-FCC-E1Issue Date:May 18, 2012Page:24 of 31unit signal constraints constraints constraints

Annex B. EUT AND TEST SETUP PHOTOGRAPHS

Please see attachment

Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

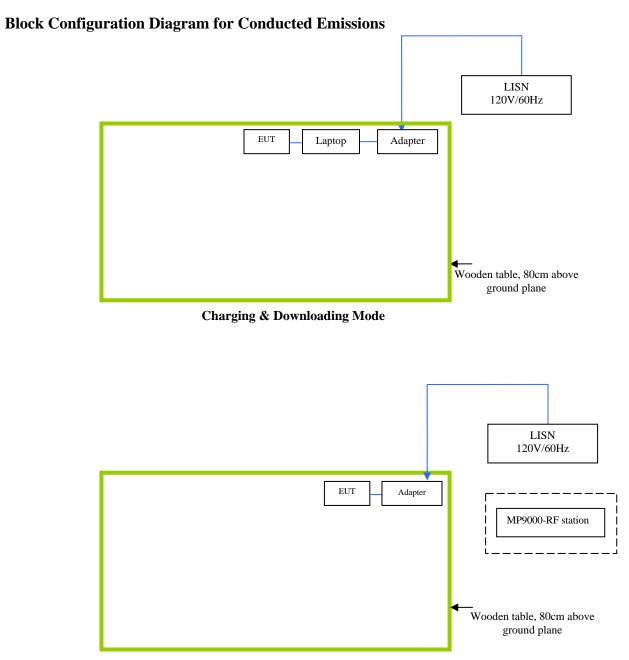
EUT TEST CONDITIONS

Annex C. i. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

| Equipment Description (Including Brand Name) | Model & Serial Number | Cable Description (List Length, Type & Purpose) |
|---|------------------------------------|--|
| Gateway Laptop | MS2288 & LXWHF02013951C3CA92200 | N/A |
| MP9000-RF station (ADIVIC) | MP9000 | N/A |

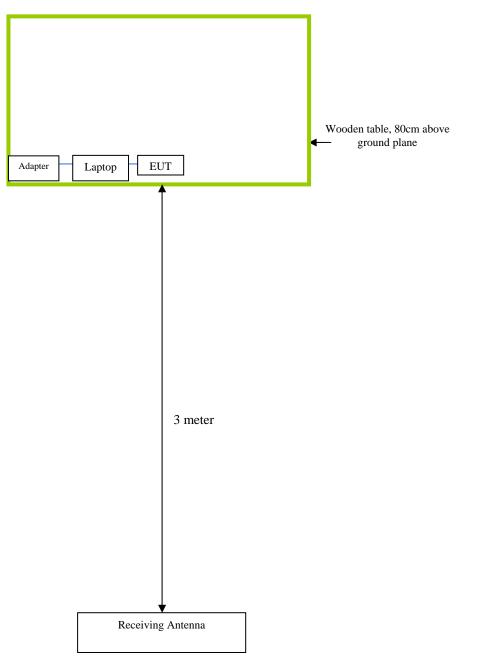




GPS receiving Mode



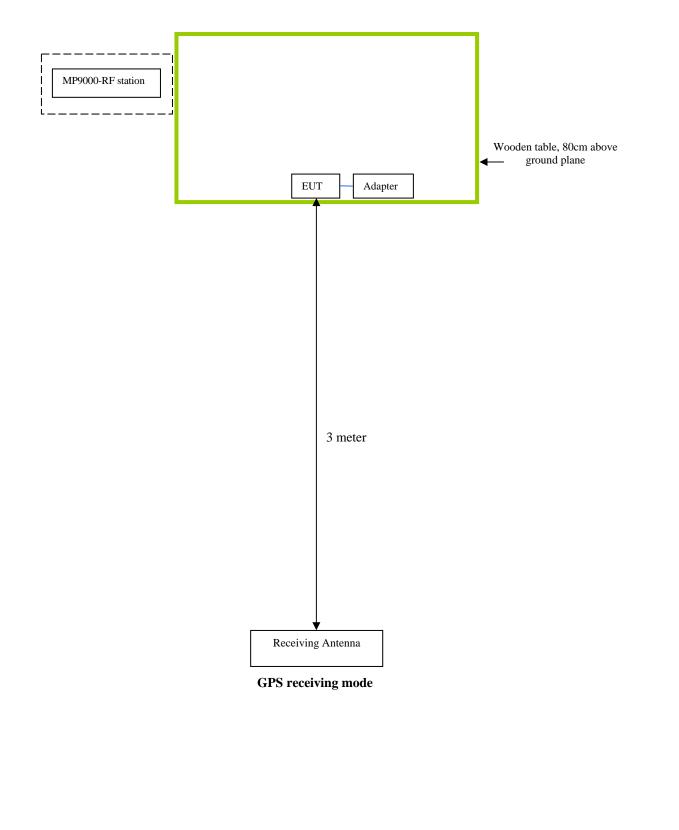
Block Configuration Diagram for Radiated Emissions



Charging & Downloading mode



Block Configuration Diagram for Radiated Emissions



Annex C.ii. EUT OPERATING CONDITIONS

The following is the description of how the EUT is exercised during testing.

| Test | Description Of Operation | | |
|-------------------|---|--|--|
| Emissions Testing | Charging & Downloading and GPS receiving Mode | | |

Report No:12050037-FCC-E1Issue Date:May 18, 2012Page:30 of 31

Annex D. USER MANUAL / BLOCK DIAGRAM / SCHEMATICS / PART LIST

Please see attachment

Report No: 12050037-FCC-E1 Issue Date: May 18, 2012 Page: 31 of 31 www.siemic.com.cn

Annex E. DECLARATION OF SIMILARITY

N/A