

FCC TEST REPORT

47 CFR FCC Part 15 Subpart B

Report Reference No....: MWR150500303

FCC ID.....:: 2AE2X688I

Compiled by

(position+printed name+signature)..:

File administrators Martin Ao

Morris

Supervised by

(position+printed name+signature)..:

Test Engineer Martin Ao

Approved by

Manager Dixon Hao (position+printed name+signature)..:

Date of issue....: Jun 29, 2015

Representative Laboratory Name.: Maxwell International Co., Ltd.

Room 509, Hongfa center building, Baoan District, Shenzhen, Address....::

Guangdong, China

Testing Laboratory Name..... Shenzhen CTL Testing Technology Co., Ltd.

Floor 1-A, Baisha Technology Park, No. 3011, Shahexi Road, Address....:

Nanshan, Shenzhen, China

Applicant's name..... **AMS Communications Inc**

Address....: 11029 Harry Hines Blvd, Suite B 118, Dallas Tx 75229, USA

Test specification....:

Standard....: 47 CFR FCC Part 15 Subpart B - Unintentional Radiators

ANSI C63.4: 2003

TRF Originator....: Maxwell International Co., Ltd.

Maxwell International Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Maxwell International Co., Ltd. as copyright owner and source of the material.

Maxwell International Co., Ltd. takess no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test item description....: 2G Smart Phone

Trade Mark....: SOHO

Manufacturer..... Begin Industrial(HK)CO.,Ltd

Model/Type reference....: 688I

Listed Models /

Rating..... DC 3.70V

Model: 6881 Adaoter information..... INPUT: 100-240V 50/60Hz 0.15A

OUTPUT: DC 5.0V,600mAh

Hardware version....: T6 T V9.18 2015-04-08

Software version: 688I V1.0

Result...... PASS



Report No.: MWR1501002903 Page 2 of 19

TEST REPORT

| Test Report No. : | MWR150500303 | Jun 29, 2015 |
|-------------------|--------------|---------------|
| | | Date of issue |

Equipment under Test 2G Smart Phone

Model /Type 6881

/ Listed Models

Applicant AMS Communications Inc

Address 11029 Harry Hines Blvd, Suite B 118, Dallas Tx 75229, USA

Manufacturer Begin Industrial(HK)CO.,Ltd

5 floor shanghe community no A111-0022, BAOAN DISTRICT, SHENZHEN CITY, CHINA Address

| Test Result: PASS | |
|-------------------|--|
|-------------------|--|

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



Contents

| 1. | TEST STANDARDS | 4 |
|------|--|----|
| 2. | SUMMARY | 5 |
| | General Remarks | |
| | Product Description | |
| | Equipment under Test | |
| | Short description of the Equipment under Test (EUT) | |
| | EUT operation mode | |
| | Related Submittal(s) / Grant (s) | |
| | Internal Identification of AE and EUT used during the test | |
| | Modifications | |
| 2.9. | EUT configuration | 6 |
| | D. Configuration of Tested System | |
| 2.1 | I. NOTE | 1 |
| 3. | TEST ENVIRONMENT | 8 |
| 3.1. | Address of the test laboratory | .8 |
| 3.2. | Test Facility | 8 |
| 3.3. | Environmental conditions | 8 |
| 3.4. | Statement of the measurement uncertainty | 8 |
| 3.5. | Equipments Used during the Test | .9 |
| 4. | TEST CONDITIONS AND RESULTS1 | 0 |
| | Conducted Emissions Test1 | |
| 4.2. | Radiated Emission Test1 | 3 |
| 5. | TEST SETUP PHOTOS OF THE EUT1 | 9 |





1. TEST STANDARDS

The tests were performed according to following standards:

47 CFR FCC Part 15 Subpart B - Unintentional Radiators

<u>ANSI C63.4: 2003</u> – American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40GHz



2. SUMMARY

2.1. General Remarks

| Date of receipt of test sample | : | May10, 2015 |
|--------------------------------|---|--------------|
| | | |
| | | |
| Testing commenced on | : | May11, 2015 |
| | | |
| | | |
| Testing concluded on | : | Jun 28, 2015 |

2.2. Product Description

The **Begin Industrial(HK)CO.,Ltd**'s Model: 688I or the "EUT" as referred to in this report; more general information as follows, for more details, refer to the user's manual of the EUT.

| Name of EUT | 2G Smart Phone |
|---------------------------------|---|
| Model Number | 6881 |
| FCC ID | 2AE2X688I |
| Modilation Type | GMSK for GSM/GPRS; |
| Antenna Type | Internal |
| GSM/EDGE/GPRS | Supported GPRS |
| Extreme temp. Tolerance | -30°C to +50°C |
| Extreme vol. Limits | 3.40VDC to 4.20VDC (nominal: 3.70VDC) |
| GSM Operation Frequency Band | GSM 850MHz/ PCS 1900MHz |
| GSM Release Version | R99 |
| GPRS operation mode | Class B |
| GPRS Multislot Class | 12 |
| EGPRS Multislot Class | Only Downloading |
| WLAN | Supported 802.11b/802.11g/802.11n |
| | IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) |
| WLAN FCC Modulation Type | IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) |
| | IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK,BPSK) |
| the highest operating frequency | 1GHz(DDR frequency) |

2.3. Equipment under Test

Power supply system utilised

| Power supply voltage | : | 0 | 120V / 60 Hz | 0 | 115V / 60Hz |
|----------------------|---|---|-------------------------------|----|-------------|
| | | 0 | 12 V DC | 0 | 24 V DC |
| | | | Other (specified in blank bel | ow |) |

DC 3.70V

2.4. Short description of the Equipment under Test (EUT)

2.4.1 General Description

688I is subscriber equipment in the GSM system. The GSM/GPRS frequency band includes GSM850 and GSM900 and DCS1800 and PCS1900, but only GSM850 and PCS1900 bands test data included in this report. The 2G Smart Phone implements such functions as RF signal receiving/transmitting, GSM/GPRS protocol processing, voice, video MMS service etc. Externally it provides micro SD card interface, earphone port (to provide voice service) and SIM card interface. It also provides WIFI function.



2.4.2 **Test Environments**

NOTE: The values used in the test report maybe stringent than the declared.

| Environment Parameter | Selected Values During Tests | | | | |
|-----------------------|------------------------------|---------|-------------------|--|--|
| NTNV | Temperature | Voltage | Relative Humidity | | |
| | Ambient | 3.7VDC | Ambient | | |

2.5. EUT operation mode

The EUT has been tested under typical operating condition.

2.6. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: 2AE2X688I filing to comply with the FCC Part 15, Subpart B Rules.

2.7. Internal Identification of AE and EUT used during the test

| IMEI Code | |
|-----------|-----------------|
| EUT | 354769059067894 |
| | 354769059067895 |

2.8. Modifications

No modifications were implemented to meet testing criteria.

2.9. EUT configuration

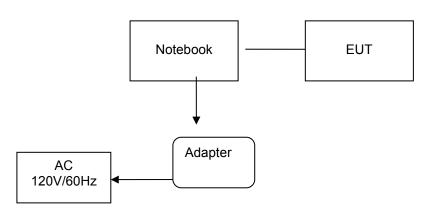
The following peripheral devices and interface cables were connected during the measurement:

- supplied by the manufacturer
- O supplied by the lab

| 0 | Power Cable | Length (m): | 1 |
|---|-------------|---------------|---|
| | | Shield : | 1 |
| | | Detachable : | 1 |
| 0 | Multimeter | Manufacturer: | 1 |
| | | Model No. : | 1 |

2.10. Configuration of Tested System

Configuration of Tested System





Page 7 of 19 Report No.: MWR1501002903

Equipment Used in Tested System

| No. | Equipment | Manufacturer | Model No. | Serial No. | Length | shielded/unshielde d | Notes |
|-----|--------------------------|--------------|-------------------|---------------------|--------|-------------------------|-------|
| 1 | Notebook | DELL | INS14MD -1328S | 1RNN42X | N/A | N/A | DOC |
| 5 | USB Cable (EUT to PC) | Genshuo | USB 2.0 | N/A | 0.60m | unshielded | N/A |
| 7 | Power line | N/A | N/A | N/A | 1.00m | unshielded | N/A |
| 8 | Adapter | HIPRO | DELL- A0904A3 | F1120709016S40 4 | 1.50m | unshielded | DOC |

2.11. NOTE

1. The EUT is a 2G Smart Phone with GSM/GPRS and WIFI fuction, The functions of the EUT listed as below:

| | Test Standards | Reference Report |
|----------|-------------------------|------------------|
| GSM/GPRS | FCC Part 22/FCC Part 24 | MWR150500301 |
| WIFI | FCC Part 15 C 15.247 | MWR150500302 |
| USB Port | FCC Part 15 B | MWR150500303 |
| SAR | FCC Part 2 §2.1093 | MWR150500304 |



3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Shenzhen CTL Testing Technology Co., Ltd.

Floor 1-A, Baisha Technology Park, No. 3011, Shahexi Road, Nanshan, Shenzhen, China The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 (2003) and CISPR Publication 22.

Report No.: MWR1501002903

3.2. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 970318

Shenzhen CTL Testing Technology Co., Ltd. has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 970318, Dec 19, 2013

3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature: 15-35 ° C

Humidity: 30-60 %

Atmospheric pressure: 950-1050mbar

3.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the Shenzhen CTL Testing Technology Co., Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen CTL Testing Technology Co., Ltd. is reported:

| Test | Range | Measurement Uncertainty | Notes |
|-----------------------|------------|----------------------------|-------|
| Radiated Emission | 30~1000MHz | 4.24 dB | (1) |
| Radiated Emission | 1~18GHz | 5.16 dB | (1) |
| Radiated Emission | 18-40GHz | 5.54 dB | (1) |
| Conducted Disturbance | 0.15~30MHz | 3.39 dB | (1) |

⁽¹⁾ This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



3.5. Equipments Used during the Test

| AC Power Conducted Emission | | | | | | | |
|-----------------------------|-------------------|---------------|--------------|------------|------------|------------|--|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal.Due | |
| 1 | Artificial Mains | Rohde&Schwarz | ENV216 | 101316 | 2014/07/02 | 2015/07/01 | |
| 2 | EMI Test Receiver | Rohde&Schwarz | ESCI3 | 103710 | 2014/07/02 | 2015/07/01 | |
| 3 | Pulse Limiter | Com-Power | LIT-153 | 53226 | 2014/07/01 | 2015/06/30 | |
| 4 | EMI Test Software | Rohde&Schwarz | ES-K1 V1.71 | N/A | N/A | N/A | |
| | | | SUCOFLEX | | | | |
| 5 | Coaxial Cables | HUBER+SUHNER | 104PEA-3M | 3m | 2014/10/19 | 2015/10/18 | |
| | | | (9KHz-26.5G) | | | | |

Report No.: MWR1501002903

| Radia | ited Emission | | | | | |
|-------|--------------------|------------------------------|--|------------|------------|------------|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal.Due |
| 1 | Bilog Antenna | Sunol Sciences Corp. | JB1 | A061713 | 2014/07/12 | 2014/07/11 |
| 2 | EMI TEST Receivcer | Rohde&Schwarz | ESCI3 | 103710 | 2014/07/02 | 2015/07/01 |
| 3 | EMI TEST Software | Audix | E3 | N/A | N/A | N/A |
| 4 | EMI TEST Software | Rohde&Schwarz | ESK1 | N/A | N/A | N/A |
| 5 | HORN ANTENNA | Sunol Sciences Corp. | DRH-118 | A062013 | 2014/07/12 | 2015/07/11 |
| 6 | Amplifer | HP | 8447D | 3113A07663 | 2014/10/22 | 2015/10/21 |
| 7 | Preamplifier | HP | 8349B | 3155A00882 | 2014/07/03 | 2015/07/02 |
| 8 | Amplifer | Compliance Direction systems | PAP1-4060 | 129 | 2014/07/03 | 2015/07/02 |
| 9 | TURNTABLE | MATURO | TT2.0 | | N/A | N/A |
| 10 | ANTENNA MAST | UC | UC3000 | | N/A | N/A |
| 11 | Horn Antenna | SCHWARZBECK | BBHA9170 | 25849 | 2014/06/21 | 2015/06/20 |
| 11 | Hom Antenna | SCHWARZBECK | DDNA9170 | 23049 | 2015/05/19 | 2016/05/18 |
| 12 | Spectrum Analyzer | Rohde&Schwarz | FSU26 | 201148 | 2014/06/21 | 2015/06/20 |
| 12 | Spectrum Analyzer | Rondeaschwarz | F3020 | 201140 | 2015/05/20 | 2016/05/19 |
| 13 | Coaxial Cables | HUBER+SUHNER | SUCOFLEX 104PEA-10M (9KHz-26.5G) | 10m | 2014/10/19 | 2015/10/18 |
| 14 | Coaxial Cables | HUBER+SUHNER | SUCOFLEX 104PEA-3M (9KHz-26.5G) | 3m | 2014/10/19 | 2015/10/18 |

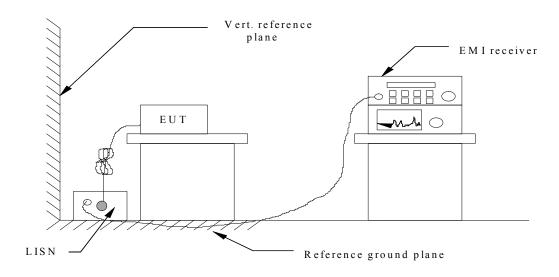
The Cal.Interval was one year



4. TEST CONDITIONS AND RESULTS

4.1. Conducted Emissions Test

TEST CONFIGURATION



TEST PROCEDURE

- 1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4-2003.
- 2. Support equipment, if needed, was placed as per ANSI C63.4-2003.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4-2003.
- 4. The EUT received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5. All support equipments received AC power from a second LISN, if any.
- 6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.

CONDUCTED POWER LINE EMISSION LIMIT

For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following:

| Eroguenov | Maximum RF Line Voltage (dΒμV) | | | | | |
|--------------------|--------------------------------|------|---------|--------|--|--|
| Frequency (MHz) | CLASS A | | CLASS B | | | |
| (IVITIZ) | Q.P. | Ave. | Q.P. | Ave. | | |
| 0.15 - 0.50 | 79 | 66 | 66-56* | 56-46* | | |
| 0.50 - 5.00 | 73 | 60 | 56 | 46 | | |
| 5.00 - 30.0 | 73 | 60 | 60 | 50 | | |

^{*} Decreasing linearly with the logarithm of the frequency

TEST RESULTS

Test Mode:Data transmission (Data transmission with a computer through a data cable)

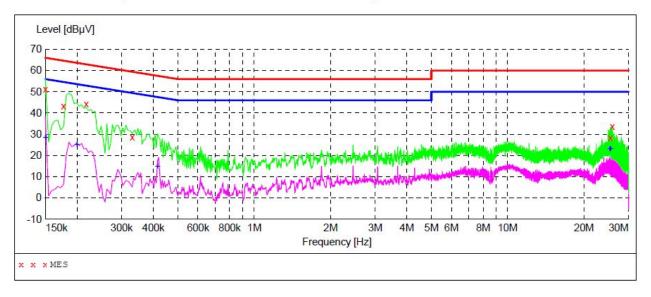
Note:test voltage:120V/60Hz





SCAN TABLE: "Voltage (9K-30M)FIN"
Short Description: 150K-30M

150K-30M Voltage



Report No.: MWR1501002903

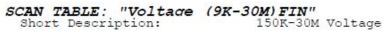
MEASUREMENT RESULT:

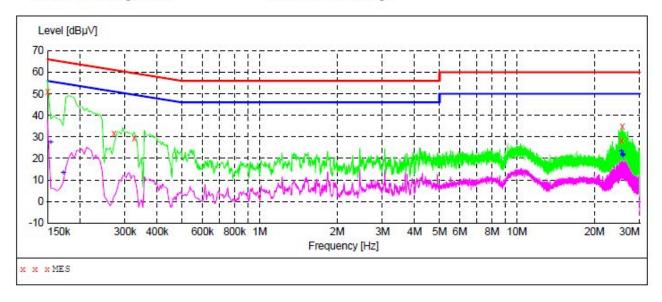
| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.150000 | 51.20 | 10.2 | 66 | 14.8 | QP | N | GND |
| 0.177000 | 43.40 | 10.2 | 65 | 21.2 | QP | N | GND |
| 0.217500 | 44.30 | 10.2 | 63 | 18.6 | QP | N | GND |
| 0.330000 | 28.50 | 10.2 | 60 | 31.0 | QP | N | GND |
| 25.453500 | 28.20 | 11.1 | 60 | 31.8 | QP | N | GND |
| 25.872000 | 33.70 | 11.1 | 60 | 26.3 | QP | N | GND |

MEASUREMENT RESULT:

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.150000 | 28.40 | 10.2 | 56 | 27.6 | AV | N | GND |
| 0.199500 | 24.90 | 10.2 | 54 | 28.7 | AV | N | GND |
| 0.415500 | 14.60 | 10.2 | 48 | 32.9 | AV | N | GND |
| 25.269000 | 23.10 | 11.1 | 50 | 26.9 | AV | N | GND |
| 25.449000 | 23.10 | 11.1 | 50 | 26.9 | AV | N | GND |
| 25.512000 | 22.90 | 11.1 | 50 | 27.1 | AV | N | GND |







MEASUREMENT RESULT:

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.150000 | 51.20 | 10.2 | 66 | 14.8 | QP | L1 | GND |
| 0.271500 | 31.70 | 10.2 | 61 | 29.4 | QP | L1 | GND |
| 0.325500 | 29.50 | 10.2 | 60 | 30.1 | QP | L1 | GND |
| 25.570500 | 28.10 | 11.1 | 60 | 31.9 | QP | L1 | GND |
| 25.692000 | 34.70 | 11.1 | 60 | 25.3 | QP | L1 | GND |

MEASUREMENT RESULT:

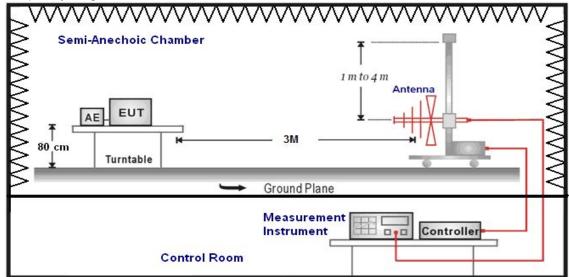
| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.154500 | 27.50 | 10.2 | 56 | 28.3 | AV | L1 | GND |
| 0.172500 | 13.40 | 10.2 | 55 | 41.4 | AV | L1 | GND |
| 25.449000 | 23.10 | 11.1 | 50 | 26.9 | AV | L1 | GND |
| 25.692000 | 21.50 | 11.1 | 50 | 28.5 | AV | L1 | GND |
| 25.750500 | 22.10 | 11.1 | 50 | 27.9 | AV | L1 | GND |
| 25.813500 | 21.40 | 11.1 | 50 | 28.6 | AV | L1 | GND |



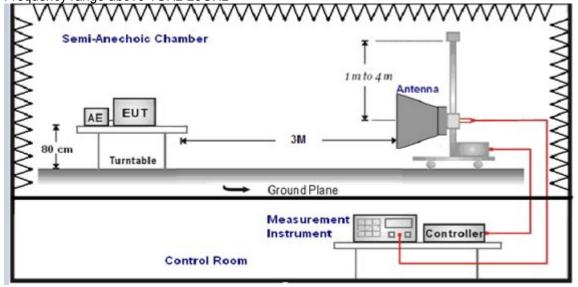
4.2. Radiated Emission Test

TEST CONFIGURATION

Frequency range: 30MHz - 1000MHz



Frequency range above 1GHz-25GHz



TEST PROCEDURE

- 1. The EUT is placed on a turntable, which is 0.8m above ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Repeat above procedures until the measurements for all frequencies are complete.
- 7. The maximum operation frequency was 1GHz(DDR frequency) , the radiated emission test frequency from 9 KHz to 10GHz.

FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the

Page 14 of 19 Report No.: MWR1501002903

Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

| Where FS = Field Strength | CL = Cable Attenuation Factor (Cable Loss) |
|---------------------------|--|
| RA = Reading Amplitude | AG = Amplifier Gain |
| AF = Antenna Factor | |

For example

| Frequency | FS | RA | AF | CL | AG | Transd |
|-----------|----------|----------|------|------|-------|--------|
| (MHz) | (dBµV/m) | (dBµV/m) | (dB) | (dB) | (dB) | (dB) |
| 300.00 | 40 | 58.1 | 12.2 | 1.6 | 31.90 | |

Transd=AF +CL-AG

RADIATION LIMIT

For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

| Frequency (MHz) | Distance (Meters) | Radiated (dBµV/m) | Radiated (µV/m) |
|-----------------|-------------------|-------------------|-----------------|
| 30-88 | 3 | 40.0 | 100 |
| 88-216 | 3 | 43.5 | 150 |
| 216-960 | 3 | 46.0 | 200 |
| Above 960 | 3 | 54.0 | 500 |

TEST RESULTS

Test Mode:Data transmission (Data transmission with a computer through a data cable)

Remark:1.test voltage:120V/60Hz

Remark: 2. We not recorded emission level for 6 GHz to 10GHz as emissiom level was at least 10dB below emission level.

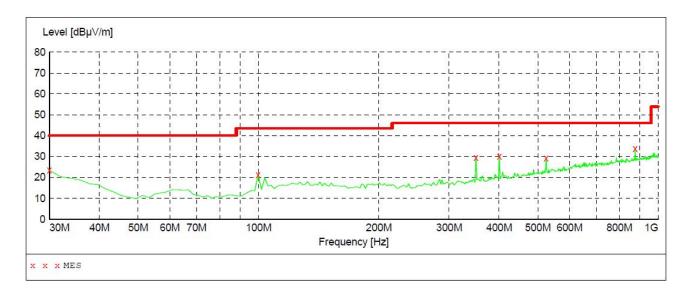


For 9KHz to 30MHz

| Frequency (MHz) | Corrected Reading (dBµV/m)@3m | FCC Limit (dBµV/m) @3m | Margin (dB) | Detector | Result |
|--------------------|-------------------------------|---------------------------|----------------|----------|--------|
| 12.00 | 44.00 | 69.54 | 25.54 | QP | PASS |
| 24.00 | 46.24 | 69.54 | 23.30 | QP | PASS |

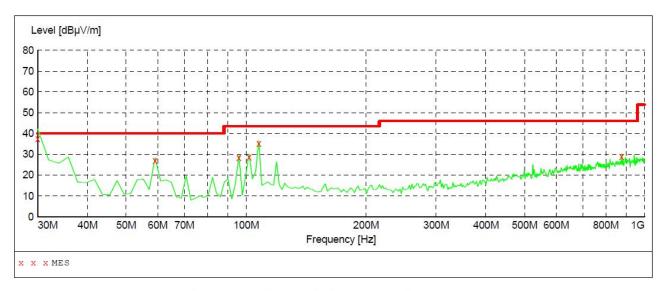
Page 15 of 19

For 30MHz-1GHz



| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Det | Polarization |
|--|--|--|--------------------------------------|--|----------------------------------|--|
| 30.000000 99.840000 350.100000 400.540000 524.700000 875.840000 | 23.50 21.40 29.50 30.20 29.30 33.80 | 21.1 11.5 16.9 18.1 20.5 25.6 | 40.0 43.5 46.0 46.0 46.0 | 16.5 22.1 16.5 15.8 16.7 12.2 | QP Qp Qp Qp Qp Qp | HORIZONTAL HORIZONTAL HORIZONTAL HORIZONTAL HORIZONTAL |

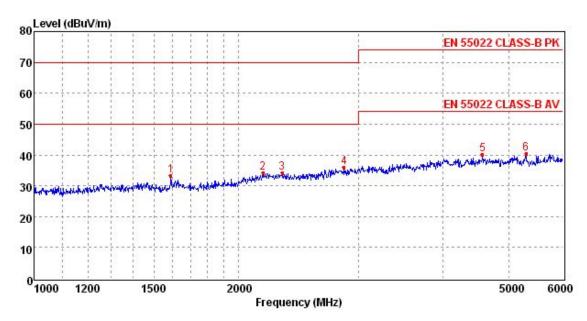




| Frequency MHz | Level dBµV/m | Transd dB | Limit dBµV/m | Margin dB | Det | Polarization |
|---|--|---|--------------------------------------|------------------------------------|----------------------------------|---|
| 30.000000 59.100000 95.960000 101.780000 107.600000 875.840000 | 37.10 27.30 28.60 29.10 35.60 29.30 | 21.1 8.3 10.6 12.0 13.3 25.6 | 40.0 40.0 43.5 43.5 43.5 | 2.9 12.7 14.9 14.4 7.9 | QP QP QP QP QP QP | VERTICAL VERTICAL VERTICAL VERTICAL VERTICAL VERTICAL |

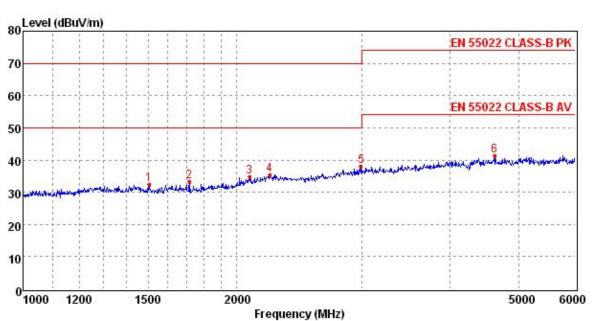


For 1GHz-6GHz



| Mark | Frequency MHz | Level dBu∨/m | Factor dB | Reading dBu∨/m | Limit dBu∨/m | _ | Polarization | Det. |
|------|------------------|-----------------|--------------|-------------------|-----------------|-------|--------------|------|
| 1 | 1590.53 | 33.35 | -8.38 | 41.73 | 70.00 | 36.65 | HORIZONTAL | Peak |
| 2 | 2172.40 | 34.16 | -5.19 | 39.35 | 70.00 | 35.84 | HORIZONTAL | Peak |
| 3 | 2317.14 | 34.12 | -5.05 | 39.17 | 70.00 | 35.88 | HORIZONTAL | Peak |
| 4 | 2857.57 | 35.95 | -3.54 | 39.49 | 70.00 | 34.05 | HORIZONTAL | Peak |
| 5 | 4569.54 | 40.17 | 1.31 | 38.86 | 74.00 | 33.83 | HORIZONTAL | Peak |
| 6 | 5292.74 | 40.37 | 2.76 | 37.61 | 74.00 | 33.63 | HORIZONTAL | Peak |





| Mark | Frequency MHz | Le∨el dBu∨/m | Factor dB | Reading dBu∨/m | Limit dBu∨/m | Margin dB | Polarization | Det. |
|------|------------------|-----------------|--------------|-------------------|-----------------|--------------|--------------|------|
| 1 | 1504.59 | 32.54 | -8.35 | 40.89 | 70.00 | 37.46 | VERTICAL | Peak |
| 2 | 1714.84 | 33.39 | -8.38 | 41.77 | 70.00 | 36.61 | VERTICAL | Peak |
| 3 | 2084.69 | 34.86 | -6.08 | 40.94 | 70.00 | 35.14 | VERTICAL | Peak |
| 4 | 2227.58 | 35.40 | -4.95 | 40.35 | 70.00 | 34.60 | VERTICAL | Peak |
| 5 | 2993.84 | 38.10 | -3.34 | 41.44 | 70.00 | 31.90 | VERTICAL | Peak |
| 6 | 4618.93 | 41.24 | 1.51 | 39.73 | 74.00 | 32.76 | VERTICAL | Peak |



Page 19 of 19 Report No.: MWR1501002903

5. Test Setup Photos of the EUT







.....End of Report.....