

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART C REQUIREMENT CLASS II CHANGE

OF

Product Name: FM Transmitter

Model Name: TWV-101

Brand Name: N/A

FCC ID: R63TWV101

Report No.: ER/2005/20009

Issue Date: Mar. 01, 2005

FCC Rule Part: §15.239

Prepared for Twinwin Technology Co., Ltd.
6F-2, No. 400, Sec 1, Changping Rd.,
Beirict, Taichung City 406, Taiwan
R.O.C

Prepared by SGS Taiwan Ltd.
No. 134, Wu Kung Rd., Wuku Industrial
Zone, Taipei County, Taiwan.

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VERIFICATION OF COMPLIANCE

Applicant: Twinwin Technology Co., Ltd.
6F-2, No. 400, Sec 1, Changping Rd., Beirict, Taichung City 406,
Taiwan R.O.C.

Product Description: FM Transmitter

Model No.: TWV-101

FCC ID: R63TWV101

Model Difference: N/A

File Number: ER/2005/20009

Date of test: Feb. 22, 2005 ~ Feb. 25, 2005

Date of EUT Receive: Mar. 01, 2005

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15.239.

The test results of this report relate only to the tested sample identified in this report.

Test By: Alex Hsieh **Date** Mar. 01, 2005
Alex Hsieh

Approved By Vincent Su **Date** Mar. 01, 2005
Vincent Su

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Version

| Version No. | Date |
|-------------|---------------|
| 00 | Mar. 01, 2005 |
| | |
| | |

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Table of Contents

| | | |
|-----------|---|-----------|
| 1. | GENERAL INFORMATION | 5 |
| 1.1 | PRODUCT DESCRIPTION | 5 |
| 1.2 | RELATED SUBMITTAL(S) / GRANT (S) | 5 |
| 1.3 | TEST METHODOLOGY | 5 |
| 1.4 | TEST FACILITY | 5 |
| 2. | SYSTEM TEST CONFIGURATION | 6 |
| 2.1 | EUT CONFIGURATION | 6 |
| 2.2 | EUT EXERCISE | 6 |
| 2.3 | TEST PROCEDURE | 6 |
| 2.4 | LIMITATION | 7 |
| 2.5 | CONFIGURATION OF TESTED SYSTEM | 9 |
| 3. | SUMMARY OF TEST RESULTS | 10 |
| 4. | DESCRIPTION OF TEST MODES | 10 |
| 5. | CONDUCTED EMISSIONS TEST (NOT APPLICABLE IN THE REPORT)..... | 11 |
| 5.1 | MEASUREMENT PROCEDURE: | 11 |
| 5.2 | TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION) | 11 |
| 5.3 | MEASUREMENT EQUIPMENT USED: | 11 |
| 5.4 | MEASUREMENT RESULT: | 11 |
| 6. | RADIATED EMISSION TEST | 12 |
| 6.1 | MEASUREMENT PROCEDURE | 12 |
| 6.2 | TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION) | 12 |
| 6.3 | MEASUREMENT EQUIPMENT USED: | 13 |
| 6.4 | FIELD STRENGTH CALCULATION | 13 |
| 6.5 | MEASUREMENT RESULT | 14 |
| | PHOTOGRPHS OF SET UP | 20 |
| | PHOTOGRPHS OF EUT | 22 |

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1. GENERAL INFORMATION

1.1 Product Description

The TWINWIN TECHNOLOGY CO., LTD., Ltd Model: TWV-101(referred to as the EUT in this report) The EUT is a short range, lower power, audio sender. It is designed by way of utilizing the FM modulation achieves the system operating.

A major technical descriptions of EUT is described as following:

A). Operation Frequency: 88.0 – 108.0 MHz. 12 channels.

B). Modulation: Frequency Modulation

C). Antenna Designation: Non-User Replaceable (Fixed)

D). Power Supply: 12 Vdc from car battery.

1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID:R63TWV101** with Section 15.239 of the FCC Part 15, Subpart C Rules. The composite system (digital device) is compliance with Subpart B is authorized under a DoC procedure.

1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 (2003). Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data is located on the address of SGS Taiwan Ltd. No. 134, Wu Kung Rd., Wuku Industrial Zone, Taipei Country, Taiwan. The Open Area Test Sites and the Line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003 and CISPR 22/EN 55022 requirements. Site No. 1(3 &10 meters) Registration Number: 94644, Anechoic chamber (3 meters) Registration Number: 573967

1.5 Special Accessories

Not available for this EUT intended for grant.

1.6 Equipment Modifications

Not available for this EUT intended for grant.

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2. System Test Configuration

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The Transmitter was operated in the normal operating mode. the Tx frequency was fixed which was for the purpose of the measurements.

2.3 Test Procedure

2.3.1 Conducted Emissions (Not apply in the report)

The EUT is a placed on as turn table which is 0.8 m above ground plane. According to the requirements in Section 7 and 13 of ANSI C63.4-2003. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

2.3.2 Radiated Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter(EUT) was rotated through three orthogonal axes according to the requirements in Section 8 and 13 of ANSI C63.4-2003.

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2.4 Limitation

(1) Conducted Emission (Not applicable in this report)

According to section 15.207(a) Conducted Emission Limits is as following.

| Frequency range MHz | Limits dB (uV) | |
|---|-------------------|----------|
| | Quasi-peak | Average |
| 0.15 to 0.50 | 66 to 56 | 56 to 46 |
| 0.50 to 5 | 56 | 46 |
| 5 to 30 | 60 | 50 |
| Note | | |
| 1.The lower limit shall apply at the transition frequencies | | |
| 2.The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz. | | |

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(2) Radiated Emission

- a. Emission from the intentional radiator shall be confined with a band 200kHz wide centered on the operation frequency. The 200kHz band shall lie wholly within the frequency range of 88-108 MHz.
- b. The field strength of any emission within the permitted 200kHz band shall not exceed 250 micro volts/meter at 3 meters. (48dB μ V at 3m) The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in section 15.35 for limiting peak emissions apply.
- c. The field strength of any emissions radiated on any frequency outside of the specified 200kHz band shall not exceed the general radiated emission limits in section 15.209(Intentional Radiators general limit).as below.

| Frequency (MHz) | Field strength μ V/m | Distance (m) | Field strength at 3m dB μ V/m |
|-----------------|--------------------------|--------------|-----------------------------------|
| 1.705-30 | 30 | 30 | 69.54 |
| 30-88 | 100 | 3 | 40 |
| 88-216 | 150 | 3 | 43.5 |
| 216-960 | 200 | 3 | 46 |
| Above 960 | 500 | 3 | 54 |

- Remark:
1. Emission level in dB μ V/m=20 log (uV/m)
 2. Measurement was performed at an antenna to the closed point of EUT distance of meters.
 3. Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of ξ 15.205
 4. Emission spurious frequency which appearing within the Restricted Bands specified in provision of ξ 15.205, then the general radiated emission limits in ξ 15.209 apply.

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2.5 Configuration of Tested System

Fig. 2-1 Configuration of Tested System

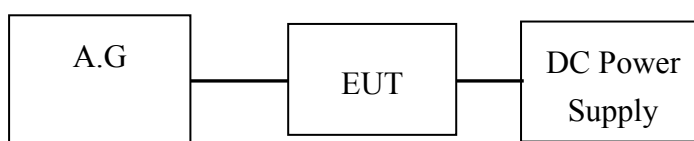


Table 2-1 Equipment Used in Tested System

| Item | Equipment | Mfr/Brand | Model/ Type No. | FCC ID | Series No. | Data Cable | Power Cord |
|------|--------------------|-----------|--------------------|-----------------------|-----------------|------------|------------|
| 1. | AUDIO GESERATOR | LEADER | LFG-1300 | FUNCTION GENERATOR | 3040860 | N/A | N/A |
| 2. | DC POWER SUPPLY | GW | GPS-3030D | N/A | ETL-00171080226 | N/A | N/A |

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3. Summary Of Test Results

| FCC Rules | Description Of Test | Result |
|-----------|---------------------|-----------|
| § 15.207 | Conducted Emission | N/A |
| § 15.239 | Radiated Emission | Compliant |
| § 15.239 | 26 dB Bandwidth | N/A |

4. Description of test modes

The frequency 88.1MHz (channel 1), 106.7 MHz (channel 6), 107.9 MHz (channel 12) are chosen for full testing. And the EUT stay in continuous transmitting mode.

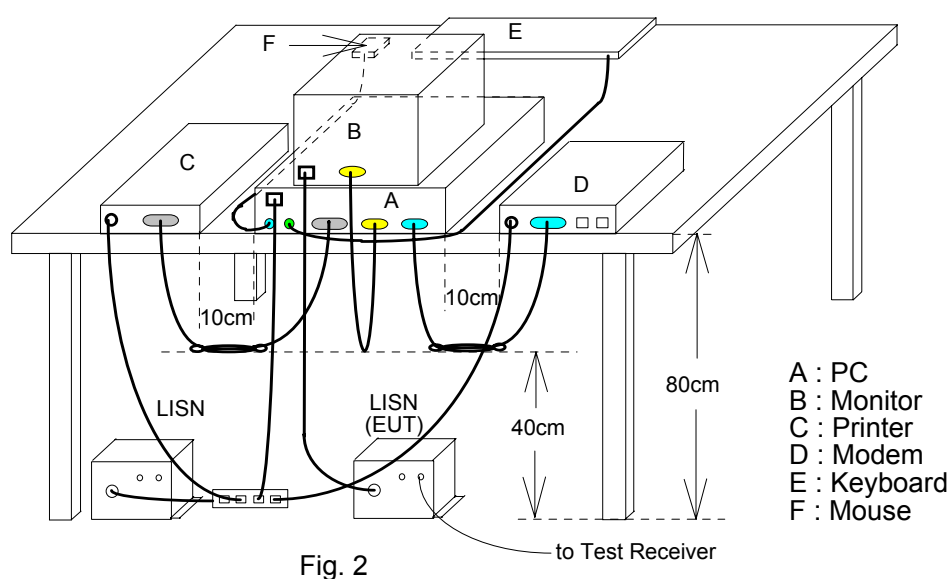
The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

5. Conducted Emissions Test (Not applicable in the report)

5.1 Measurement Procedure:

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete.

5.2 Test SET-UP (Block Diagram of Configuration)



5.3 Measurement Equipment Used:

| Conducted Emission Test Site | | | | | |
|------------------------------|------------|--------------|---------------|------------|------------|
| EQUIPMENT TYPE | MFR | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| EMC Analyzer | HP | 8594EM | 3624A00203 | 12/31/2004 | 12/30/2005 |
| EMI Test Receiver | R&S | ESCS30 | 828985/004 | 01/15/2004 | 01/14/2005 |
| LISN | Rolf-Heine | NNB-2/16Z | 99012 | 12/30/2004 | 12/29/2005 |
| LISN | Rolf-Heine | NNB-2/16Z | 99013 | 11/06/2004 | 11/05/2005 |

5.4 Measurement Result:

N/A

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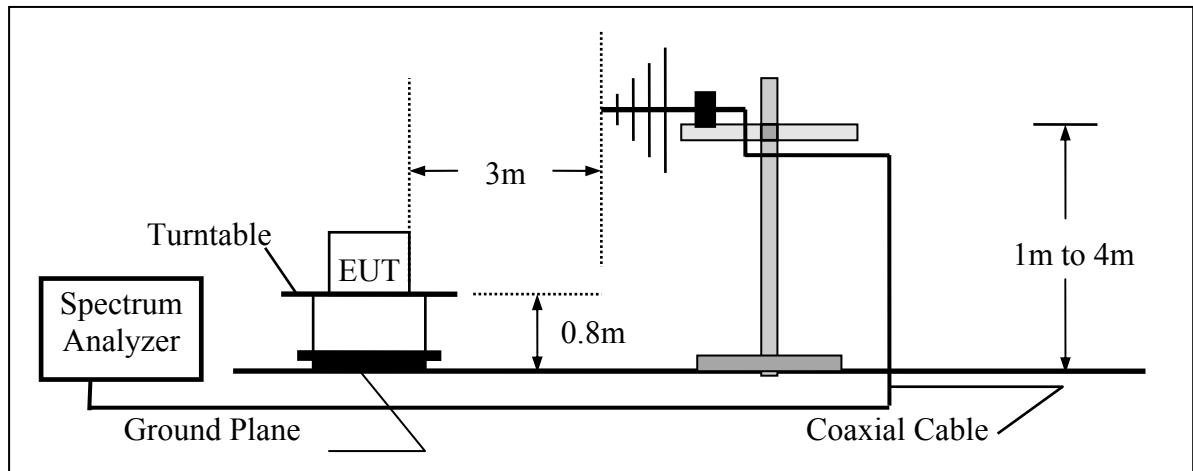
6. Radiated Emission Test

6.1 Measurement Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measured were complete.

6.2 Test SET-UP (Block Diagram of Configuration)

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

6.3 Measurement Equipment Used:

| 966 Chamber | | | | | |
|-------------------|--------------|---------------------|---------------|------------|------------|
| EQUIPMENT TYPE | MFR | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| Spectrum Analyzer | R&S | FSP 40 | 100034 | 05/27/2004 | 05/26/2005 |
| Spectrum Analyzer | Agilent | E7405A | US41160416 | 08/27/2004 | 08/27/2005 |
| Loop Antenna | Messtec | FLA30 | 03/10086 | 03/06/2004 | 03/05/2005 |
| Bilog Antenna | SCHWAZBECK | VULB9163 | 152 | 06/03/2004 | 06/02/2005 |
| Bilog Antenna | SCHWAZBECK | VULB9160 | | 06/03/2004 | 06/02/2005 |
| Pre-Amplifier | HP | 8447D | 2944A09469 | 07/19/2004 | 07/18/2005 |
| Turn Table | HD | DT420 | N/A | N.C.R | N.C.R |
| Antenna Tower | HD | MA240-N | 240/657 | N.C.R | N.C.R |
| Controller | HD | HD100 | N/A | N.C.R | N.C.R |
| Low Loss Cable | HUBER+SUHNER | SUCOFLEX 104PEA-10M | 10m | 10/9/2004 | 10/08/2005 |
| Low Loss Cable | HUBER+SUHNER | SUCOFLEX 104PEA-3M | 3m | 10/9/2004 | 10/08/2005 |
| Site NSA | SGS | 966 chamber | N/A | 11/17/2004 | 11/16/2005 |
| Site NSA | SGS | 10m Open-Site | N/A | 10/02/2004 | 10/01/2005 |

6.4 Field Strength Calculation

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

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6.5 Measurement Result

Operation Mode: Transmitting Mode
 Fundamental Frequency: 88.1MHz
 Temperature : 25 °C
 Humidity : 65 %

Test Date : Feb. 23, 2005
 Test By: Alex
 Pol: Vertical

| Freq. (MHz) | Ant.Pol. H/V | Detector Mode (PK/AV/QP) | Reading (dBuV) | Factor (dB) | Actual FS (dBuV/m) | Limit@3m (dBuV/m) | Safe Margin (dB) | Note |
|----------------|-----------------|--------------------------------|-------------------|----------------|-----------------------|----------------------|------------------------|------|
| 88.10 | V | Peak | 65.31 | -18.27 | 47.04 | 68.00 | -20.96 | F |
| 88.10 | V | AV | 53.73 | -18.27 | 35.46 | 48.00 | -12.54 | F |
| 177.44 | V | Peak | 44.49 | -15.06 | 29.43 | 43.50 | -14.07 | H |
| 264.74 | V | Peak | 40.48 | -14.77 | 25.71 | 46.00 | -20.29 | H |
| 352.40 | V | Peak | -- | | | 46.00 | | H |
| 440.50 | V | Peak | -- | | | 46.00 | | H |
| 528.60 | V | Peak | -- | | | 46.00 | | H |
| 616.70 | V | Peak | -- | | | 46.00 | | H |
| 704.80 | V | Peak | -- | | | 46.00 | | H |
| 439.34 | V | Peak | 43.60 | -9.89 | 33.71 | 40.00 | -6.29 | H |
| 623.64 | V | Peak | 45.20 | -7.10 | 38.10 | 46.00 | -7.90 | H |
| 935.98 | V | Peak | 43.27 | -1.89 | 41.38 | 46.00 | -4.62 | H |

Remark :

- (1) Measuring frequencies from 30 MHz to the 1GHz °
- (2) Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak detector mode.
- (3) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (4) Data of measurement within this frequency range shown " - " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz.

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Measurement Result

Operation Mode: Transmitting Mode
 Fundamental Frequency: 88.1 MHz
 Temperature : 25 °C
 Humidity : 65 %

Test Date : Feb. 23, 2005
 Test By: Alex
 Pol: Horizontal

| Freq. (MHz) | Ant.Pol. H/V | Detector Mode (PK/AV/QP) | Reading (dBuV) | Factor (dB) | Actual FS (dBuV/m) | Limit@3m (dBuV/m) | Safe Margin (dB) | Note |
|----------------|-----------------|--------------------------------|-------------------|----------------|-----------------------|----------------------|------------------------|------|
| 88.10 | H | Peak | 72.27 | -18.27 | 54.00 | 68.00 | -14.00 | F |
| 88.10 | H | AV | 58.10 | -18.27 | 39.83 | 48.00 | -8.17 | F |
| 177.44 | H | Peak | 49.46 | -15.06 | 34.40 | 43.50 | -9.10 | H |
| 264.74 | H | Peak | 47.66 | -14.77 | 32.89 | 46.00 | -13.11 | H |
| 352.40 | H | Peak | 48.94 | -11.91 | 37.03 | 46.00 | -8.97 | H |
| 440.50 | H | Peak | -- | | | 46.00 | -- | H |
| 528.60 | H | Peak | -- | | | 46.00 | | H |
| 616.70 | H | Peak | -- | | | 46.00 | | H |
| 704.80 | H | Peak | -- | | | 46.00 | | H |
| 36.79 | H | Peak | 53.10 | -14.93 | 38.17 | 40.00 | -1.83 | H |
| 439.34 | H | Peak | 50.97 | -9.89 | 41.08 | 46.00 | -4.92 | H |

Remark :

- (1) Measuring frequencies from 30 MHz to the 1GHz °
- (2) Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak detector mode.
- (3) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (4) Data of measurement within this frequency range shown " - " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz.

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Measurement Result

Operation Mode: Transmitting Mode
 Fundamental Frequency: 106.7 MHz
 Temperature : 25 °C
 Humidity : 65 %

Test Date : Feb. 22, 2005
 Test By: Alex
 Pol: Vertical

| Freq. (MHz) | Ant.Pol. H/V | Detector Mode (PK/AV/QP) | Reading (dBuV) | Factor (dB) | Actual FS (dBuV/m) | Limit@3m (dBuV/m) | Safe Margin (dB) | Note |
|----------------|-----------------|--------------------------------|-------------------|----------------|-----------------------|----------------------|------------------------|------|
| 106.63 | V | Peak | 68.76 | -16.65 | 52.11 | 68.00 | -15.89 | F |
| 106.63 | V | AV | 54.61 | -16.65 | 37.96 | 48.00 | -10.04 | F |
| 213.26 | V | Peak | -- | | | 43.50 | | H |
| 319.89 | V | Peak | -- | | | 46.00 | | H |
| 426.52 | V | Peak | 46.30 | -10.12 | 36.18 | 46.00 | -9.82 | H |
| 533.15 | V | Peak | -- | | | 46.00 | | H |
| 639.78 | V | Peak | -- | | | 46.00 | | H |
| 746.41 | V | Peak | -- | | | 46.00 | | H |
| 853.04 | V | Peak | -- | | | 46.00 | | H |
| 623.64 | V | Peak | 47.38 | -7.10 | 40.28 | 46.00 | -5.72 | H |
| 935.98 | V | Peak | 45.18 | -1.89 | 43.29 | 46.00 | -2.71 | H |

Remark :

- (1) Measuring frequencies from 30 MHz to the 1GHz °
- (2) Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak detector mode.
- (3) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (4) Data of measurement within this frequency range shown " - " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz.

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Measurement Result

Operation Mode: Transmitting Mode
 Fundamental Frequency: 106.7 MHz
 Temperature : 25 °C
 Humidity : 65 %

Test Date : Feb. 22, 2005
 Test By: Alex
 Pol: Horizontal

| Freq. (MHz) | Ant.Pol. H/V | Detector Mode (PK/AV/QP) | Reading (dBuV) | Factor (dB) | Actual FS (dBuV/m) | Limit@3m (dBuV/m) | Safe Margin (dB) | Note |
|----------------|-----------------|--------------------------------|-------------------|----------------|-----------------------|----------------------|------------------------|------|
| 106.70 | H | Peak | 68.81 | -16.65 | 52.16 | 68.00 | -15.84 | F |
| 106.70 | H | AV | 53.81 | -16.65 | 37.16 | 48.00 | -10.84 | F |
| 213.40 | H | Peak | -- | | | 43.50 | | H |
| 320.10 | H | Peak | 45.94 | -12.80 | 33.14 | 46.00 | -12.86 | H |
| 426.80 | H | Peak | 52.38 | -10.12 | 42.26 | 46.00 | -3.74 | H |
| 533.50 | H | Peak | -- | | | 46.00 | | H |
| 640.20 | H | Peak | -- | | | 46.00 | | H |
| 746.90 | H | Peak | -- | | | 46.00 | | H |
| 853.60 | H | Peak | -- | | | 46.00 | | H |
| 62.98 | H | Peak | 51.21 | -14.95 | 36.26 | 40.00 | -3.74 | H |

Remark :

- (1) Measuring frequencies from 30 MHz to the 1GHz °
- (2) Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak detector mode.
- (3) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (4) Data of measurement within this frequency range shown " - " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz.

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Measurement Result

Operation Mode: Transmitting Mode
 Fundamental Frequency: 107.9 MHz
 Temperature : 25 °C
 Humidity : 65 %

Test Date : Feb. 22, 2005
 Test By: Alex
 Pol: Vertical

| Freq. (MHz) | Ant.Pol. H/V | Detector Mode (PK/AV/QP) | Reading (dBuV) | Factor (dB) | Actual FS (dBuV/m) | Limit@3m (dBuV/m) | Safe Margin (dB) | Note |
|----------------|-----------------|--------------------------------|-------------------|----------------|-----------------------|----------------------|------------------------|------|
| 107.90 | V | Peak | 69.35 | -16.42 | 52.93 | 68.00 | -15.07 | F |
| 107.90 | V | AV | 56.31 | -16.42 | 39.89 | 48.00 | -8.11 | F |
| 215.80 | V | Peak | -- | | | 43.50 | | H |
| 323.70 | V | Peak | -- | | | 46.00 | | H |
| 431.60 | V | Peak | 42.00 | -10.03 | 31.97 | 46.00 | -14.03 | H |
| 539.50 | V | Peak | -- | | | 46.00 | | H |
| 647.40 | V | Peak | -- | | | 46.00 | | H |
| 755.30 | V | Peak | -- | | | 46.00 | | H |
| 863.20 | V | Peak | -- | | | 46.00 | | H |
| 82.38 | V | Peak | 51.52 | -18.49 | 33.03 | 40.00 | -6.97 | H |
| 623.64 | V | Peak | 48.16 | -7.10 | 41.06 | 46.00 | -4.94 | H |
| 935.98 | V | Peak | 45.38 | -1.89 | 43.49 | 46.00 | -2.51 | H |

Remark :

- (1) Measuring frequencies from 30 MHz to the 1GHz °
- (2) Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak detector mode.
- (3) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (4) Data of measurement within this frequency range shown " - " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

Measurement Result

Operation Mode: Transmitting Mode
 Fundamental Frequency: 107.9 MHz
 Temperature : 25 °C
 Humidity : 65 %

Test Date : Feb. 22, 2005
 Test By: Alex
 Pol: Horizontal

| Freq. (MHz) | Ant.Pol. H/V | Detector Mode (PK/AV/QP) | Reading (dBuV) | Factor (dB) | Actual FS (dBuV/m) | Limit@3m (dBuV/m) | Safe Margin (dB) | Note |
|----------------|-----------------|--------------------------------|-------------------|----------------|-----------------------|----------------------|------------------------|------|
| 107.90 | H | Peak | 69.54 | -16.65 | 52.89 | 68.00 | -15.11 | F |
| 107.90 | H | AV | 57.38 | -16.65 | 40.73 | 48.00 | -7.27 | F |
| 215.80 | H | Peak | -- | | | 43.50 | | H |
| 323.70 | H | Peak | -- | | | 46.00 | | H |
| 431.60 | H | Peak | 0.42 | -10.03 | -9.61 | 46.00 | -55.61 | H |
| 539.50 | H | Peak | -- | | | 46.00 | | H |
| 647.40 | H | Peak | -- | | | 46.00 | | H |
| 755.30 | H | Peak | -- | | | 46.00 | | H |
| 863.20 | H | Peak | -- | | | 46.00 | | H |
| 935.98 | H | Peak | 39.18 | -1.89 | 37.29 | 46.00 | -8.71 | H |

Remark :

- (1) Measuring frequencies from 30 MHz to the 1GHz °
- (2) Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using Peak detector mode.
- (3) "F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency.
- (4) Data of measurement within this frequency range shown " - " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (5) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz.

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