HYUNDAI CALIBRATION & CERTIFICATION TECH. CO., LTD.



PRODUCT COMPLIANCE DIVISION SAN 136-1, AMI-RI , BUBAL-EUP, ICHEON-SI, KYOUNGKI-DO, 467-701, KOREA

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CERTIFICATE OF COMPLIANCE

FCC Part 24, 22 Certification

Ezze Mobile Tech., Inc.

3rd Floor, Bubmusa Bldg., 151-31, Nonhyun-dong,

Kangnam-ku, Seoul, Korea

FRN: 0010430536

Date of Issue: July 26, 2006

Test Report No.: HCT-SAR06-0710

Test Site: HYUNDAI CALIBRATION & CERTIFICATION

TECHNOLOGIES CO., LTD.

FRN: 0005866421

FCC ID :

APPLICANT

RV2EZ700D

Ezze Mobile Tech., Inc.

EUT Type: Tri -Band GSM Phone (GSM 850/ DCS 1800/ PCS1900)- Prototype

Tx Frequency: 824.20 - 848.80MHz (GSM850) / 1850.20MHz - 1909.80MHz (GSM1900)

Rx Frequency: 869.20 - 893.80MHz (GSM850) / 1930.20MHz - 1989.80MHz (GSM1900)

Max. RF Output Power: 0.373 W ERP GSM850 (25.72 dBm) / 0.292 W EIRP GSM1900 (24.66 dBm)

Trade Name/Model(s): Ezze Mobile / EZ700D

FCC Classification: Licensed Portable Transmitter Held to Ear (PCE)

Application Type: Certification

FCC Rule Part(s): §22 Subpart H, §24 Subpart E, §2

Maximum SAR: 1.24W/kg GSM850 Head SAR;0.333W/kg GSM850 Body SAR;

1.14W/kg GSM1900 Head SAR; 0.189W/kg GSM1900 Body SAR

Antenna Specifications: Manufacturer: E.M.W. ANTENNA Co., LTD.

PART NUMBER: HIR-29606-0000AA (Length= 41.4 mm)

Emission Designator(s): 300KGXW (GSM)

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in 2.947.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

Hyundai C-Tech Co., Ltd. Certifies that no party to this application has been denied FCC benefits pursuant to section 5301 of the Anti- Drug Abuse Act of 1998, 21 U.S. C. 853(a)

Report prepared by: Ki-Soo Kim

K 500

Manager of Product Compliance Team

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MEASUREMENT REPORT

1.1 SCOPE

Measurement and determination of electromagnetic emissions (EME) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission.

General Information

Company Name: Ezze Mobile Tech., Inc.

Address: 3rd Floor, Bubmusa Bldg., 151-31, Nonhyun-dong,

Kangnam-ku, Seoul, Korea

Attention: **Justin Kim - Sales Department Manager**

Tel. / Fax: 82-2-519-7731 / 82-2-519-7881

E-Mail: justin@ezzemobile.com

• FCC ID: RV2EZ700D

• EUT Type: Tri -Band GSM Phone (GSM 850/ DCS 1800/ PCS1900)- Prototype

GPRS class 8 and GPRS mode class B(GPRS and GSM, but not simultaneously)

• Trade Name: Ezze Mobile Tech., Inc.

EZ700D Model(s):

RV2EZ700D-20060701 • Serial Number(s):

• Tx Frequency: 824.20 - 848.80MHz (GSM850)

1850.20MHz - 1909.80MHz (GSM1900)

• Rx Frequency: 869.20 - 893.80MHz (GSM850)

1930.20MHz - 1989.80MHz (GSM1900)

• Application Type: Certification

• FCC Classification: Licensed Portable Transmitter Held to Ear (PCE)

• FCC Rule Part(s): §22 Subpart H, §24 Subpart E, §2

• Modulation(s): **GSM** • Antenna Type: Fixed

• Date(s) of Tests: July 24, 2006

• Place of Tests: Hyundai C-Tech. EMC Lab.

Icheon, Kyounki-Do, KOREA

HCT-SAR06-0710 • Report Serial No.:



Figure 1. SAR System

¹ Specific Absorption Rate (SAR) is a measure of the rate of energy absorption due to exposure to an RF transmitting source (wireless portable device).

² IEEE/ANSI Std. C95.1-1992 limits are used to determine compliance with FCC ET Docket 93-62.

2.1 INTRODUCTION

EUT DESCRIPTION

The Ezze Mobile Tech., Inc. Tri-Band GSM Phone. Its basic purpose is used for communications. It transmits from (824.20 - 848.80MHz (GSM850), 1850.20MHz - 1909.80MHz (GSM1900)) and receives from (869.20 - 893.80MHz (GSM850), 1930.20MHz - 1989.80MHz (GSM1900)). The RF power is rated at GSM850 (0.373W) and GSM1900 (0.292W).

MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

Test Facility

The open area test site and conducted measurement facility used to collect the radiated data are located at the 254-1, Maekok-Ri, Hobup-Myun, Ichon-Si, Kyoungki-Do, 467-701, KOREA. The site is constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. Detailed description of test facility was submitted to the Commission and accepted dated July 6, 2006(Registration Number: 90661)

3.1 INSERTS

Function of Active Devices (Confidential)

The Function of active devices are shown in Attachment K.

Block/Circuit Diagrams & Description (Confidential)

The circuit diagrams & description are shown in Attachment J, and the block diagrams are shown in Attachment I.

Operating Instructions

The instruction manual is shown in Attachment M.

Parts List & Tune-Up Procedure (Confidential)

The parts list & tune-up procedure are shown in Attachment L.

<u>Description of Freq. Stabilization Circuit (Confidential)</u>

The description of frequency stabilization circuit is shown in Attachment K.

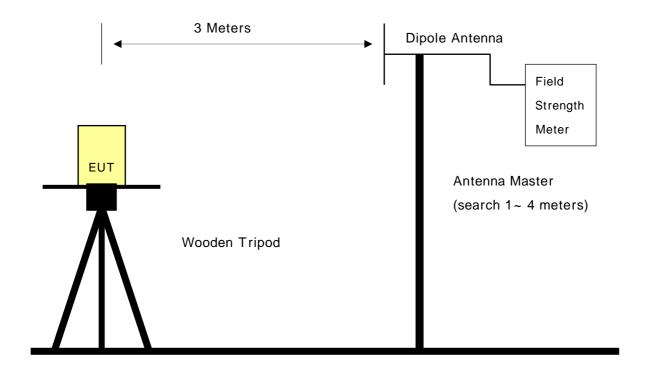
<u>Description for Suppression of Spurious Radiation, for Limiting</u> <u>Modulation, and Harmonic Suppresion Circuits (Confidential)</u>

The description of suppression stabilization circuits are shown in Attachment K

4.1 DESCRIPTION OF TESTS

4.2 Effective Radiated Power.

Test Set-up



[Open Field Test Site]

Test Procedure

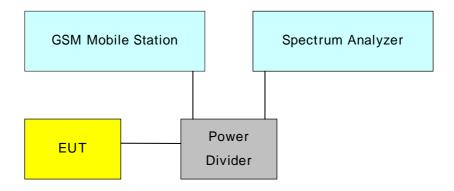
The measurement facilities used for this test have been documented in previous filings with the commission pursuant to section 2.948.

The open field test site is situated in open field with ground screen whose site attenuation characteristics meet ANSI C63.4 –2003. A mast capable of lifting the receiving antenna from a height of one to four meters is used together with a routable wooden platform mounted at three from the antenna mast.

- 1) The EUT mounted on a wooden tripod is 0.8 meter above test site ground level.
- 2) During the test, the turn table is rotated and the antenna height is also varied from 1 to 4 meters until the maximum signal is found.
- 3) Record the field strength meter's level.
- 4) Replace the EUT with λ / 2 dipole antenna that is connected to a calibrated signal generator.
- 5) Increase the signal generator output till the field strength meter's level is equal to the item(4).
- 6) The signal generator output level is the rating of effective radiated power(ERP).
- 7) The instrument settings used (RBW/ VBW) during ERP/ EIRP output power measurement are as Blows;
 - -. Below 1GHz: RBW 100KHz, VBW 300KHz / Above 1GHz: RBW 1MHz, VBW 1MHz

4.3 Occupied bandwidth.

Test Set-up

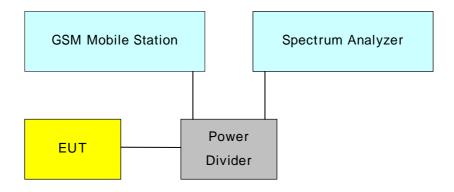


Test Procedure

The EUT was setup to maximum output power at its lowest channel. The occupied bandwidth was measured using a spectrum analyzer. The measurements are repeated for the highest and a middle channel. The EUT's occupied bandwidth is measured as the width of the signal between two points, one below the carrier center frequency and one above the carrier frequency, outside of which all emissions are attenuated at least 26dB below the transmitter power. Plots of the EUT's occupied bandwidth are shown herein.

4.4 Spurious and Harmonic Emissions at Antenna Terminal.

Test Set-up



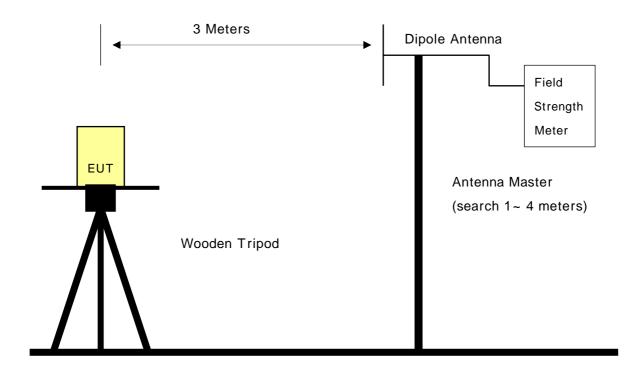
Test Procedure

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to 10 GHz. The transmitter is modulated with a 2500Hz tone at a level of 16dB greater than that required to provided 50% modulation.

At the input terminals of the spectrum analyzer, an isolator (RF circulator with on port terminated with 50 ohms) and an 870 MHz to 890 MHz band pass filter is connected between the test transceiver (for conducted tests) or the receive antenna (for radiated tests) and the analyzer. The rejection of the bandpass filter to signals in the 825 – 845 MHz range is adequate to limit the transmit energy from the test transceiver which appears to a level which will allow the analyzer to measure signals less than –90dBm. Calibration of the test receiver is performed in the 870 – 890 MHz range to insure accuracy to allow variation in the bandpass filter insertion loss to be calibrated.

4.5 Field strength of spurious radiation.

Test Set-up



[Open Field Test Site]

Test Procedure

The measurement facilities used for this test have been documented in previous filings with the commission pursuant to section 2.948.

The open field test site is situated in open field with ground screen whose site attenuation characteristics meet ANSI C63.4 –2003. A mast capable of lifting the receiving antenna from a height of one to four meters is used together with a rotable wooden platform mounted at three from the antenna mast.

- 1) The unit mounted on a wooden table 1.5m \times 1.0m \times 0.80 is 0.8 meter above test site ground level.
- During the emission test, the turntable is rotated and the EUT is manipulated to find the configuration resulting in maximum emission under normal condition of installation and operation.
- 3) The antenna height and polarization are also varied from 1 to 4 meters until the maximum signal is found.
- 4) The spectrum shall be scanned up to the 10th harmonic of the fundamental frequency.
- 5) The instrument settings used (RBW/ VBW) during ERP/ EIRP output power measurement are as belows;
 - -. Below 1GHz: RBW 100KHz, VBW 300KHz
 - -. Above 1GHz: RBW 1MHz, VBW 1MHz

4.5.1 Field strength of spurious radiation.

Spectrum Analyzer Settings

1. [Resolution Bandwidth / Video Bandwidth]:

a) [3 kHz / 10 kHz] in the Span of 1 MHz directly below and above the GSM-Band,

b) [10 kHz / 30 kHz] in case the curve of the analyser IF-Filter leads to an exceeding of the limit, in this case a worst case correction factor of 20 dB (1 MHz -> 10 kHz) was used

c) [1 MHz / 3 MHz] otherwise

2. Sweep Time: Calculated by using a formula given in the Product Standard "GSM 11.10-1 edition 4" for spurious emissions measurements (depending on the transmitting signal, the span and the resolution bandwidth)

3. The spurious emissions (peak) were measured in both vertical and horizontal antenna polarization during the call is established on the lowest channel, mid channel and on the highest channel.

§ 2.1057 Frequency spectrum to be investigated.

(a) In all of the measurements set forth in Secs. 2.1051 and 2.1053, the spectrum shall be investigated from the lowest radio frequency signal generated in the equipment, without going below 9 kHz, up to at least the frequency shown below:

(1) If the equipment operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

(b) Particular attention should be paid to harmonics and sub harmonics of the carrier frequency as well as to those frequencies removed from the carrier by multiples of the oscillator frequency. Radiation at the frequencies of multiplier stages should also be checked.

(c) The amplitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be reported.

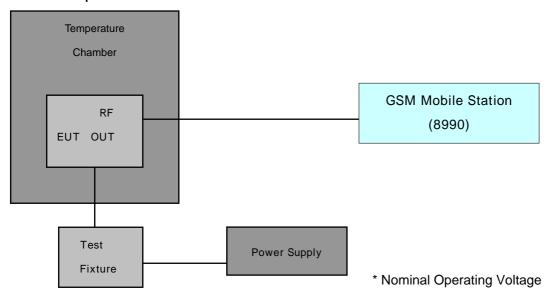
(d) Unless otherwise specified, measurements above 40 GHz shall be performed using a minimum resolution bandwidth of 1 MHz.

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4.6 Frequency stability.

4.6.1Frequency stability with variation of ambient temperature.

Test Set-up



Test Procedure

The frequency stability of the transmitter is measured by:

- a.) Temperature: The temperature is varied from -30 °C to +60 °C using an environmental chamber.
- b.) Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the voltage normally at the input to the device or at the power supply terminals if cables are not normally supplied.

Specification — The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.0001 (±1 ppm) of the center frequency.

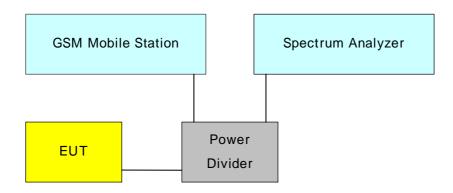
Time Period and Procedure:

- 1. The carrier frequency of the transmitter and the individual oscillators is measured at room temperature (25 °C to 27 °C to provide a reference).
- 2. The equipment is subjected to an overnight "soak" at -30 °C without any power applied.
- 3. After the overnight "soak" at 30 °C (usually 14-16 hours), the equipment is turned on in a "standby" condition for one minute before applying power to the transmitter. Measurement of the carrier frequency of the transmitter and the individual oscillators is made within a three minute interval after applying power to the transmitter.
- 4. Frequency measurements are made at 10 °C interval up to room temperature. At least a period of one and one half-hour is provided to allow stabilization of the equipment at each temperature level.
- 5. Again the transmitter carrier frequency and the individual oscillators is measured at room temperature to begin measurement of the upper temperature levels.
- 6. Frequency were made at 10 intervals starting at 30 °C up to +50 °C allowing at least two hours at each temperature for stabilization. In all measurements the frequency is measured within three minutes after applying power to the transmitter.
- 7. The artificial load is mounted external to the temperature chamber.

NOTE: The EUT is tested down to the battery endpoint.

4.6.2 Frequency stability with variation of primary supply voltage.

Test Set-up

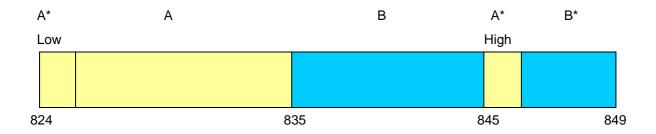


Test Procedure

- 1) The primary supply is varied in steps of 5% from 85 to 115% of the nominal supply voltage, or reduce primary supply voltage to the battery operating end point.
- 2) The frequency is recorded each 5% step.

4.7 Frequency Block Edge

4.7.1 Cellular - Mobile Frequency Blocks



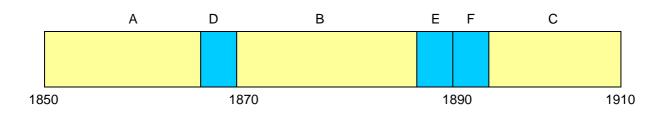
BLOCK 1: 824 - 835 MHz (A* Low + A)

BLOCK 2: 835 – 845 MHz (B)

BLOCK 3: 845 – 846.5 MHz (A* High)

BLOCK 4: 846.5 – 849 MHz (B*)

4.7.2 Cellular - Mobile Frequency Blocks



BLOCK 1: 1850 – 1865 MHz (A) BLOCK 4: 1885 – 1890 MHz (E)

BLOCK 2: 1865 – 1870 MHz (D) BLOCK 5: 1890 – 1895 MHz (F)

BLOCK 3: 1870 – 1885 MHz (B) BLOCK 6: 1895 – 1910 MHz (C)

5.1 Test Data

5.2 Effective Radiated Power Output(GSM)

Radiated measurements at 3 meters

Modulation: GSM850

Freq.	REF. LEVEL	POL	ERP	ERP	DATTERY
(MHz)	(dBm)	(H/V)	(W)	(dBm)	BATTERY
824.20	-21.6	V	0.362	25.59	Standard
836.60	-21.4	V	0.373	25.72	Standard
848.80	-21.7	V	0.351	25.45	Standard

Note: Standard batteries are the only options for this phone

NOTES:

Effective Radiated Power Output Measurements by Substitution Method according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. The conducted power at the terminals of the dipole is measured. The ERP is recorded.

DATE: July 26, 2006

DATE: July 26, 2006

6.1 Test Data

6.2 Equivalent Isotropic Radiated Power (E.I.R.P.) GSM

Radiated measurements at 3 meters

Modulation: <u>GSM1900</u>

Freq.	REF. LEVEL	POL	Azimuth	ERP	ERP	DATTERY
(MHz)	(dBm)	(H/V)	(o angle)	(W)	(dBm)	BATTERY
1850.20	-29.4	V	70°	0.292	24.66	Standard
1880.00	- 29.5	V	70°	0.284	24.53	Standard
1909.80	-29.7	V	70°	0.275	24.39	Standard

Note: Standard batteries are the only options for this phone

NOTES:

Effective Radiated Power Output Measurements by Substitution Method according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. A Horn antenna was substituted in place of the EUT. This Horn antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. The conducted power at the terminals of the Horn antenna is measured. The difference between the gain of the horn and an isotropic antenna is taken into consideration and the EIRP is recorded.

7.1 Test Data

7.2 GSM850 Radiated Measurements

Field Strength of SPURIOUS Radiation

 OPERATING FREQUENCY:
 824.20 MHz

 CHANNEL:
 128 (Low)

 MEASURED OUTPUT POWER:
 25.72dBm = 0.373W

 MODULATION SIGNAL:
 GSM (Internal)

 DISTANCE:
 3 meters

 LIMIT: -(43 + 10 log10 (W)) =
 -38.72 dBc

	LEVEL@	SUBSTITUTE	CORRECT		
Freq.	ANTENNA	ANTENNA	GENERATOR	POL	(dPa)
(MHz)	TERMINALS	GAIN	LEVEL	(H/V)	(dBc)
	(dBm)	(dBd)	(dBm)		
1648.40	-46.9	7.3	-39.6	V	-61.0
2472.60	-54.0	8.3	- 45.7	V	-66.3
3296.80	-68.3	9.7	-58.6	V	-78.0

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:

7.1 Test Data

7.3 GSM850 Radiated Measurements

Field Strength of SPURIOUS Radiation

 OPERATING FREQUENCY:
 836.60 MHz

 CHANNEL:
 190 (Mid)

 MEASURED OUTPUT POWER:
 25.72dBm = 0.373W

 MODULATION SIGNAL:
 GSM (Internal)

 DISTANCE:
 3 meters

 LIMIT: -(43 + 10 log10 (W)) =
 -38.72 dBc

	LEVEL@	SUBSTITUTE	CORRECT		
Freq.	ANTENNA	ANTENNA	GENERATOR	POL	(dRo)
(MHz)	TERMINALS	GAIN	LEVEL	(H/V)	(dBc)
	(dBm)	(dBd)	(dBm)		
1673.20	- 47.8	7.3	-40.5	V	-61.9
2509.80	- 55.2	8.3	- 46.9	V	-67.5
3346.40	-67.4	9.7	-57.7	V	-77.1

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:

DATE: July 26, 2006

7.1 Test Data

7.4 GSM850 Radiated Measurements

Field Strength of SPURIOUS Radiation

 OPERATING FREQUENCY:
 848.80 MHz

 CHANNEL:
 251 (High)

 MEASURED OUTPUT POWER:
 25.72dBm = 0.373W

 MODULATION SIGNAL:
 GSM (Internal)

 DISTANCE:
 3 meters

 LIMIT: -(43 + 10 log10 (W)) =
 -38.72 dBc

	LEVEL@	SUBSTITUTE	CORRECT		
Freq.	ANTENNA	ANTENNA	GENERATOR	POL	(dBc)
(MHz)	TERMINALS	GAIN	LEVEL	(H/V)	(ubc)
	(dBm)	(dBd)	(dBm)		
1699.60	-45.8	7.3	-38.5	V	-59.9
2549.40	-52.4	8.3	- 44.1	V	-64.7
3390.20	-66.3	9.7	-56.6	V	-76.0

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:

7.1 Test Data

7.5 GSM1900 Radiated Measurements

Field Strength of SPURIOUS Radiation

 OPERATING FREQUENCY:
 1850.20 MHz

 CHANNEL:
 512 (Low)

 MEASURED OUTPUT POWER:
 24.66dBm = 0.292W

 MODULATION SIGNAL:
 GSM (Internal)

 DISTANCE:
 3 meters

 LIMIT: -(43 + 10 log10 (W)) =
 -37.65 dBc

	LEVEL@	SUBSTITUTE	CORRECT		
Freq.	ANTENNA	ANTENNA	GENERATOR	POL	(dBc)
(MHz)	TERMINALS	GAIN	LEVEL	(H/V)	(ubc)
	(dBm)	(dBd)	(dBm)		
3700.40	-65.0	12.4	-52.6	V	-68.3
5550.60	- 66.1	11.7	-54.4	V	-71.0
7400.80	-68.4	11.5	- 56.9	V	-73.9

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:

DATE: July 26, 2006

7.1 Test Data

7.6 GSM1900 Radiated Measurements

Field Strength of SPURIOUS Radiation

 OPERATING FREQUENCY:
 1880.00 MHz

 CHANNEL:
 661 (Mid)

 MEASURED OUTPUT POWER:
 24.66dBm = 0.292W

 MODULATION SIGNAL:
 GSM (Internal)

 DISTANCE:
 3 meters

 LIMIT: -(43 + 10 log10 (W)) =
 -37.65 dBc

	LEVEL@	SUBSTITUTE	CORRECT		
Freq.	ANTENNA	ANTENNA	GENERATOR	POL	(dRo)
(MHz)	TERMINALS	GAIN	LEVEL	(H/V)	(dBc)
	(dBm)	(dBd)	(dBm)		
3760.00	-63.8	12.4	-51.4	V	-67.1
5460.00	- 65.5	11.7	- 53.8	V	-70.4
7520.00	-66.7	11.5	-55.2	V	-72.2

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:

7.1 Test Data

7.7 GSM1900 Radiated Measurements

Field Strength of SPURIOUS Radiation

OPERATING FREQUENCY: 1909.80 MHz CHANNEL: 810 (High) MEASURED OUTPUT POWER: 24.66dBm = 0.292WMODULATION SIGNAL: GSM (Internal) DISTANCE: 3 meters -37.65 dBc LIMIT: $-(43 + 10 \log_{10} (W)) =$

	LEVEL@	SUBSTITUTE	CORRECT		
Freq.	ANTENNA	ANTENNA	GENERATOR	POL	(dPa)
(MHz)	TERMINALS	GAIN	LEVEL	(H/V)	(dBc)
	(dBm)	(dBd)	(dBm)		
3819.60	-64.4	12.4	-52.0	V	-67.7
5729.40	- 64.1	11.7	-52.4	V	-69.0
7639.20	-69.2	11.5	-57.7	V	-74.7

NOTES:

Radiated Spurious Emission Measurements by Substitution Method according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:



8.1 Test Data

8.2 FREQUENCY STABILITY (GSM850)

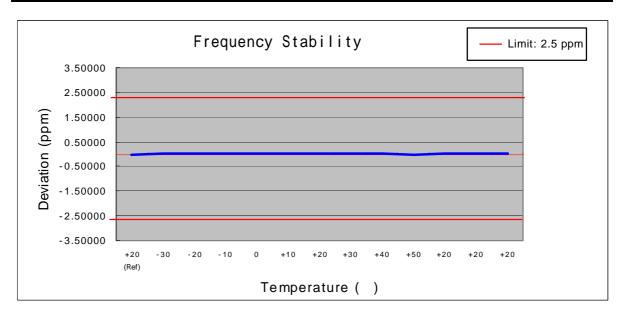
 OPERATING FREQUENCY:
 836,600,043 Hz

 CHANNEL:
 190

 REFERENCE VOLTAGE:
 3.7 VDC

 DEVIATION LIM IT:
 ± 0.00025 % or 2.5 ppm

Voltage	Power	Temp.	Frequency	Deviation	Deviation
(%)	(VDC)	()	(Hz)	(%)	(ppm)
100		+20 (Ref)	836,600,043	0.000000	0.00000
100		-30	836,600,024	0.000002	0.02271
100		-20	836,600,037	0.000001	0.00717
100		-10	836,600,035	0.000001	0.00956
100	3.7	0	836,600,021	0.000003	0.02630
100	3.7	+10	836,600,036	0.000001	0.00837
100		+20	836,600,027	0.000002	0.01913
100		+30	836,600,033	0.000001	0.01195
100		+40	836,600,022	0.000003	0.02510
100		+50	836,600,046	0.000000	-0.00359
85	3.15	+20	836,600,027	0.000002	0.01913
115	4.26	+20	836,600,031	0.000001	0.01434
BATT.END POINT	2.82	+20	836,600,023	0.000002	0.02391





8.1 Test Data

8.3 FREQUENCY STABILITY (GSM1900)

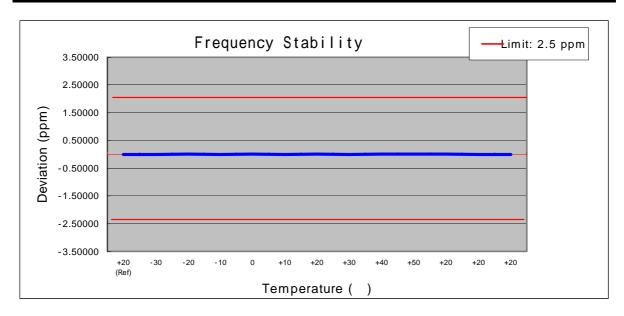
 OPERATING FREQUENCY:
 1,880,000,028 Hz

 CHANNEL:
 661

 REFERENCE VOLTAGE:
 3.7 VDC

 DEVIATION LIM IT:
 ± 0.00025 % or 2.5 ppm

Voltage	Power	Temp.	Frequency	Deviation	Deviation
(%)	(VDC)	()	(Hz)	(%)	(ppm)
100		+20 (Ref)	1,880,000,028	0.000000	0.00000
100		-30	1,880,000,034	0.000000	-0.00319
100		-20	1,880,000,019	0.000000	0.00479
100		-10	1,880,000,034	0.000000	-0.00319
100	3.7	0	1,880,000,023	0.000000	0.00266
100	3.7	+10	1,880,000,042	-0.000001	-0.00745
100		+20	1,880,000,027	0.000000	0.00053
100		+30	1,880,000,052	-0.000001	-0.01277
100		+40	1,880,000,025	0.000000	0.00160
100		+50	1,880,000,019	0.000000	0.00479
85	3.15	+20	1,880,000,024	0.000000	0.00213
115	4.26	+20	1,880,000,032	0.000000	-0.00213
BATT.END POINT	2.82	+20	1,880,000,028	0.000000	0.00000





9.1 PLOT(S) OF EMISSION

(SEE ATTACHMENT D)

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10.1 LIST OF TEST EQUIPMENT

Calib. Date	S/N
Dec. 05	1088.7410
April 06	J04821
July 05	US8710152
Sep. 05	119331
July 05	2822A05909
July 05	3318A08777
Nov. 05	2427A00963
Oct. 05	2349A37617
Sep. 05	A00450
Sep. 05	3401J02111
June 06	3438A05231
June 06	557
June 06	558
Feb.06	671009
Feb.06	667624
Feb.06	671314
Feb.06	2433A04322
Feb.06	3001A08285
June 06	1099
March 06	1201
Feb.06	BBHA9170124
June 06	US39063847
June 06	3711J04841
June 06	335.8017
Feb. 06	354.3000
June 06	826006/013
July 05	3509A00155
July 05	9706-1070
July 05	9706-1071
March 06	2805A03141
June 06	D6901
June 06	91071107
June 06	91071107
N.A	3241
N.A	1253A
N.A	45321
N.A	22B87
	April 06 July 05 Sep. 05 July 05 July 05 Nov. 05 Oct. 05 Sep. 05 Sep. 05 June 06 June 06 June 06 Feb.06 Feb.06 Feb.06 Feb.06 June 06

11.1 SAMPLE CALCULATIONS

A. ERP Sample Calculation

Freq. Tuned	LEVEL(1)	POL	ERP	ERP(2)	BATTERY
(MHz)	(dBm)	(H/V)	(W)	(dBm)	BATTERT
824.70	-29.73	Н	0.346	25.393	Standard

- 1) The EUT mounted on a wooden tripod is 0.8 meter above test site ground level.
- 2) During the test, the turn table is rotated and the antenna height is also varied from 1 to 4 meters until the maximum signal is found.
- 3) Record the field strength meter's level.(LEVEL)
- 4) Replace the EUT with dipole antenna that is connected to a calibrated signal generator.
- 5) Increase the signal generator output till the field strength meter's level is equal to the item(3).
- 6) The signal generator output level with cable loss is the rating of effective radiated power(**ERP**). (Cable loss means the factor between Signal Generator and Transmitting Antenna.)

For more details, please refer to the test set-up procedure.

B. Emission Designator

Emission Designator = 300KGXW

GSM BW = 300 KHz

G = Phase Modulation

X = Cases not otherwise covered

W = Combination (Audio/Data)

Emission Designator = 300KGXW

DATE: July 26, 2006

12.1 CONCLUSION

The data collected shows that the Tri-Band GSM Phone. **FCC ID: RV2EZ700D** complies with all the requirements of Parts 2, 22 and 24 of the FCC rules.