FCC 47 CFR PART 22 SUBPART H AND PART 24 SUBPART E
&
INDUSTRY CANADA RSS-132 & RSS-133

TEST REPORT

For

Netbook Computer

Trade Name: Lenovo

Model: 11N3G

Issued to

Quanta Computer Inc
No.188 Wen Hwa 2nd Rd., Kuei Shan Hsiang,
Tao Yuan Shien 333, Taiwan

Issued by

Compliance Certification Services Inc.
No. 11, Wu-Gong 6th Rd., Wugu Industrial Park,
Taipei Hsien 248, Taiwan (R.O.C.)
http://www.ccsemc.com.tw
service@tw.ccsemc.com

Testing Laboratory
1309

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1. TEST RESULT CERTIFICATION

Applicant:	Quanta Computer Inc No.188 Wen Hwa 2nd Rd., Kuei Shan Hsiang, Tao Yuan Shien 333, Taiwan
Manufacturer:	Quanta Computer Inc No.188 Wen Hwa 2nd Rd., Kuei Shan Hsiang, Tao Yuan Shien 333, Taiwan
Equipment Under Test:	Netbook Computer
Trade Name:	Lenovo
Model:	11N3G
Machine type:	4231XXXX, 4329XXXX, 4333XXXX, 20013XXXX, 20014XXXX, 20015XXXX (X= 0~9, A~Z or blank)
Date of Test:	December 22, 2008 ~ January 16, 2009

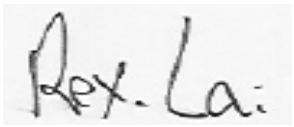
APPLICABLE STANDARDS	
STANDARD	**TEST RESULT**
FCC 47 CFR Part 22 Subpart H & Part 24 Subpart E & IC RSS-132 Issue 2: September 2005 and IC RSS-133 Issue 4: Feb. 2008	No non-compliance noted

We hereby certify that:

The above equipment was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in TIA/EIA-603-C and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC Rule FCC PART 22 Subpart H, PART 24 Subpart E, IC RSS-132 Issue 2 and IC RSS-133 Issue 4.

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

Approved by:



Rex Lai
Section Manager
Compliance Certification Services Inc.

Reviewed by:

Amanda Wu
Section Manager
Compliance Certification Services Inc.

2. EUT DESCRIPTION

Product	Netbook Computer
Trade Name	Lenovo
Model Number	11N3G
Model Discrepancy	The EUT comes with two different external colors (Black and White); please refer to the external photos for reference.
RF Module Number	F3507g
RF Module Trade Name	Ericsson
Power Supply	1. Power Adapter Model: 0225A2040 I/P: 100-240V, 1.7A, 50-60Hz O/P: 20V, 2.0A 2. Power Adapter Model: 0225C2040 I/P: 100-240V, 1.7A, 50-60Hz O/P: 20V, 2.0A 3. Power Adapter Model: ADP-40MH AD I/P: 100-240V, 1.2A, 50-60Hz O/P: 20V, 2A 4. Rechargeable Battery lenovo / LO8S3B21 Rating: 11.1V, 28Wh
Frequency Range	GSM / GPRS / EDGE: 850: 824 ~ 849 MHz GSM / GPRS / EDGE: 1900: 1850 ~ 1910 MHz WCDMA Band II: 1852.4 ~ 1907.6 MHz WCDMA Band V: 826.4 ~ 846.6 MHz
Modulation Technique	GSM: GMSK GPRS: GMSK EDGE: 8PSK WCDMA: Quadrature Phase Shift Keying (QPSK) with Root-raised cosine pulse shaping filters (roll off = 0.22)
Transmit Power Listed in the Grant as below (FCC ID: VV7-MBMF3507G-L, IC: 287AG-MBMF3507G.)	**ERP Power:** GSM/GPRS 850MHz: 33.0 dBm EDGE 850 MHz: 31.0 dBm WCDMA Band V / HSDPA Band V / HSUPA Band V: 26.38 dBm
	EIRP Power: GSM/GPRS 1900MHz: 29.4 dBm EDGE 1900 MHz: 28.7 dBm WCDMA Band II / HSDPA Band II / HSUPA Band II: 25.87 dBm

Type of Emission Listed in the Grant as below (FCC ID: VV7-MBMF3507G-L, IC: 287AG-MBMF3507G.)	GSM/GPRS 850 MHz: 300KGXW--- GSM/GPRS 1900 MHz: 300KGXW--- EDGE 850 MHz: 300KG7W--- EDGE 1900 MHz: 300KG7W--- WCDMA Band II / HSDPA Band II / HSUPA Band II: 4M20F9W--- WCDMA Band V / HSDPA Band V / HSUPA Band V: 4M20F9W---
Antenna Gain	GSM / GPRS / EDGE 850 MHz: -0.2 dBi GSM / GPRS / EDGE 1900 MHz: -0.9 dBi WCDMA band II / HSDPA Band II / HSUPA Band II: -0.9 dBi WCDMA band V / HSDPA Band V / HSUPA Band V: -0.2 dBi
Antenna Type	PIFA Antenna

Remark:

1. *The sample selected for test was engineering sample that approximated to production product and was provided by manufacturer.*
2. *EMI testing was performed on the notebook PC, Model: 11N3G with Ericsson Module, Model: F3507G.*
3. *The WLAN module was originally certified by CETECOM ICT Services GmbH as a modular approval under FCC ID: VV7-MBMF3507G-L (Canada ID: 287AG-MBMF3507G). The Radio modules are installed in a controlled environment at the notebook production/assembly factory.*
4. *The 3G supports GSM / GPRS / EDGE: 850, GSM / GPRS / EDGE: 1900, WCDMA Band II, and WCDMA Band V configurations. Tests were performed in all configurations.*

3. TEST METHODOLOGY

Both conducted and radiated testing were performed according to the procedures document on chapter 13 of ANSI C63.4: 2003, TIA/EIA-603-C: 2004 and FCC CFR 47, Part 2 and Part 22 Subpart H & Part 24 Subpart E.

The tests documented in this report were performed in accordance with IC RSS-132, SPSR503, RSS-133, SPSR510 and ANSI C63.4 and TIA/EIA-603-C.

3.1EUT CONFIGURATION

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

3.2EUT EXERCISE

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

3.3GENERAL TEST PROCEDURES

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable 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 maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4.

3.4DESCRIPTION OF TEST MODES

The EUT (model: 11N3G) comes with three types of power adapters (0225A2040 & 0225C2040 & ADP-40MH AD) for sale. After the preliminary test, the power adapter with model number ADP-40MH AD was found to emit the worst emissions and therefore had been tested under operating condition.

EUT staying in continuous transmitting mode was programmed.

After verification, all tests were carried out with the worst case test modes as shown below except radiated spurious emission below 1GHz and power line conducted emissions below 30MHz, which worst case was in normal link mode and receiving radiated spurious emission above 1GHz, which worst case was in CH Mid mode only.

GSM / GPRS / EDGE 850 MHz:
Channel Low (CH128), Channel Mid (CH190) and Channel High (CH251) were chosen for full testing.

GSM / GPRS / EDGE 1900 MHz:
Channel Low (CH512), Channel Mid (CH661) and Channel High (CH810) were chosen for full testing.

WCDMA Band II:
Channel Low (CH9262), Channel Mid (CH9400) and Channel High (CH9538) were chosen for full testing.

WCDMA Band V:
Channel Low (CH4132), Channel Mid (CH4182) and Channel High (CH4233) were chosen for full testing.

WCDMA / HSDPA Band II:
Channel Low (CH9262), Channel Mid (CH9400) and Channel High (CH9538) were chosen for full testing.

WCDMA / HSDPA Band V:
Channel Low (CH4132), Channel Mid (CH4182) and Channel High (CH4233) were chosen for full testing.

WCDMA / HSUPA Band II:
Channel Low (CH9262), Channel Mid (CH9400) and Channel High (CH9538) were chosen for full testing.

WCDMA / HSUPA Band V:
Channel Low (CH4132), Channel Mid (CH4182) and Channel High (CH4233) were chosen for full testing.

4. INSTRUMENT CALIBRATION

4.1 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.

4.2 MEASUREMENT EQUIPMENT USED

Equipment Used for Emissions Measurement

Remark: *Each piece of equipment is scheduled for calibration once a year.*

Conducted Emissions Test Site				
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
Spectrum Analyzer	Agilent	E4446A	MY43360131	02/24/2009
Power Meter	Agilent	E4416A	GB41291611	04/06/2009
Power Sensor	Agilent	E9327A	US40441097	06/19/2009
Temp. / Humidity Chamber	Terchy	MHG-150LF	930619	08/06/2009
DC Power Source	Agilent	E3640A	MY40001774	01/10/2009

3M Semi Anechoic Chamber				
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
Spectrum Analyzer	Agilent	E4446A	US42510252	09/10/2009
Test Receiver	Rohde & Schwarz	ESCI	100064	11/30/2009
Switch Controller	TRC	Switch Controller	SC94050010	05/03/2009
4 Port Switch	TRC	4 Port Switch	SC94050020	05/03/2009
Horn-Antenna	TRC	HA-0502	06	06/04/2009
Horn-Antenna	TRC	HA-0801	04	06/19/2009
Bilog- Antenna	Sunol Sciences	JB3	A030205	03/28/2009
Loop Antenna	EMCO	6502	8905/2356	05/29/2009
Turn Table	Max-Full	MFT-120S	T120S940302	N.C.R.
Antenna Tower	Max-Full	MFA-430	A440940302	N.C.R.
Controller	Max-Full	MF-CM886	CC-C-1F-13	N.C.R.
Site NSA	CCS	N/A	FCC MRA: TW1039 IC: IC 2324G-1/-2	10/17/2010 11/04/2010
Reject Filter	Micro-Tronics	HPM13194	003	04/24/2009
S.G.	HP	83630B	3844A01022	04/17/2009
Substituted Dipole	Schwazbeck	VHAP/UHAP	998 +999/ 981+982	06/09/2009
Substituted Horn	EMCO	3115	00022257	12/16/2009
Test S/W	LABVIEW (V 6.1)			

Powerline Conducted Emissions Test Site				
Name of Equipment	**Manufacturer**	**Model**	**Serial Number**	**Calibration Due**
EMI Test Receiver 9kHz-30MHz	Rohde & Schwarz	ESHS30	828144/003	11/18/2009
Two-Line V-Network 9kHz-30MHz	Schaffner	NNB41	03/10013	06/11/2009
LISN 10kHz-100MHz	EMCO	3825/2	9106-1809	04/09/2009
Test S/W	LABVIEW (V 6.1)			

4.3 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
Powerline Conducted Emission	+/- 2.81
3M Semi Anechoic Chamber / 30MHz ~ 1GHz	+/-3.7046
3M Semi Anechoic Chamber / Above 1GHz	+/-3.0958

***Remark**: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.*

5. FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

☐ No.199, Chunghsen Road, Hsintien City, Taipei Hsien, Taiwan, R.O.C.
Tel: 886-2-2217-0894 / Fax: 886-2-2217-1029

☒ No.11, Wugong 6th Rd., Wugu Industrial Park, Taipei Hsien 248, Taiwan
Tel: 886-2-2299-9720 / Fax: 886-2-2298-4045

☐ No.81-1, Lane 210, Bade 2nd Rd., Luchu Hsiang, Taoyuan Hsien 338, Taiwan
Tel: 886-3-324-0332 / Fax: 886-3-324-5235

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, “Radio Interference Measuring Apparatus and Measurement Methods.”

5.3TABLE OF ACCREDITATIONS AND LISTINGS

Country	Agency	Scope of Accreditation	Logo
USA	FCC	3M Semi Anechoic Chamber (FCC MRA: TW1039) to perform FCC Part 15 measurements	FCC MRA: TW1039
Taiwan	TAF	LP0002, RTTE01, FCC Method-47 CFR Part 15 Subpart C, D, E, RSS-210, RSS-310 IDA TS SRD, AS/NZS 4268, AS/NZS 4771, TS 12.1 & 12,2, ETSI EN 300 440-1, ETSI EN 300 440-2, ETSI EN 300 328, ETSI EN 300 220-1, ETSI EN 300 220-2, ETSI EN 301 893, ETSI EN 301 489-1/3/7/17 FCC OET Bulletin 65 + Supplement C, EN 50360, EN 50361, EN 50371, RSS 102, EN 50383, EN 50385, EN 50392, IEC 62209, CNS 14958-1, CNS 14959 FCC Method –47 CFR Part 15 Subpart B IEC / EN 61000-3-2, IEC / EN 61000-3-3, IEC / EN 61000-4-2/3/4/5/6/8/11	TAF Testing Laboratory 1309
Canada	Industry Canada	3M Semi Anechoic Chamber (IC 2324G-1 / IC 2324G-2) to perform	Canada IC 2324G-1 IC 2324G-2

** No part of this report may be used to claim or imply product endorsement by A2LA or any agency of the US Government.*

6. SETUP OF EQUIPMENT UNDER TEST

6.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix I for the actual connections between EUT and support equipment.

6.2 SUPPORT EQUIPMENT

No.	Device Type	Brand	Model	Series No.	FCC ID	Data Cable	Power Cord
1.	LCD Monitor	DELL	2407WFPb	CN-0FC255-46633-675-22TJS	FCC DoC	Shielded, 1.8m with 2 cores	Unshielded, 1.8m
2.	USB 2.0 External HDD	TeraSyS	F12-U	A0100214-2Bq0039	FCC DoC	Shielded, 1.8m	N/A
3.	Multimedia Earphone	Labtec	Axis-301	N/A	FCC DoC	Unshielded, 1.8m*2	N/A
4.	USB Mouse	Logitech	M-BB48	LZE01360732	FCC DoC	Shielded, 1.8m	N/A
5.	Universal Radio Communication tester (Remote)	R&S	CMU 200	1100.000.8.02	N/A	N/A	Unshielded, 1.8m

Remark:

1. *All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.*
2. *Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.*

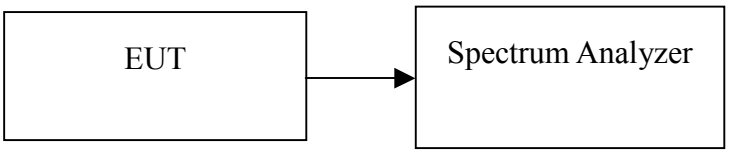
7. FCC PART 22 & 24 REQUIREMENTS & INDUSTRY CANADA RSS-132 & RSS-133

7.199% BANDWIDTH

LIMIT

None; for reporting purposes only.

Test Configuration



TEST PROCEDURE

The transmitter output is connected to the spectrum analyzer. The RBW is set to 1% to 3% of the 99 % bandwidth. The VBW is set to 3 times the RBW. The sweep time is coupled.

TEST RESULTS

Not Applicable.

Testing was performed by CETECOM ICT Services GmbH accredited by DAR (registration number: DAT-P-176/94-D1)

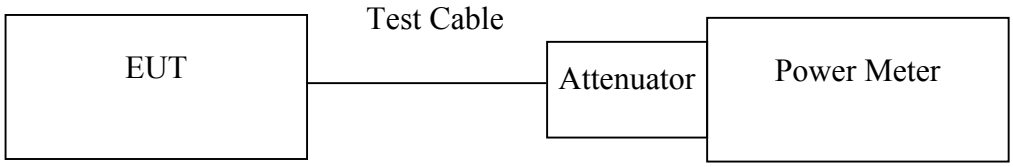
Results: *Complied –refer to attachment 4, Aegis test report number: 4-2918-01-02/07-E, FCC 47 CFR Part 22 Subpart H & Part 24 Subpart E with FCC ID: VV7-MBMF3507G-L and RSS-132 Issue 2 & RSS-133 Issue 4 with IC No. 287AG-MBMF3507G.*

7.2 AVERAGE POWER

LIMIT

According to FCC §2.1046.

Test Configuration



Remark: *Measurement setup for testing on Antenna connector*

TEST PROCEDURE

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading.

TEST RESULTS

Not Applicable.

Testing was performed by CETECOM ICT Services GmbH accredited by DAR (registration number: DAT-P-176/94-D1)

Results: *Complied –refer to attachment 4, Aegis test report number: 4-2918-01-02/07-E, FCC 47 CFR Part 22 Subpart H & Part 24 Subpart E with FCC ID: VV7-MBMF3507G-L and RSS-132 Issue 2 & RSS-133 Issue 4 with IC No. 287AG-MBMF3507G.*

7.3 ERP & EIRP MEASUREMENT

LIMIT

According to FCC §2.1046

FCC 22.913(b): The Effective Radiated Power (ERP) of mobile transmitters must not exceed 7 Watts.

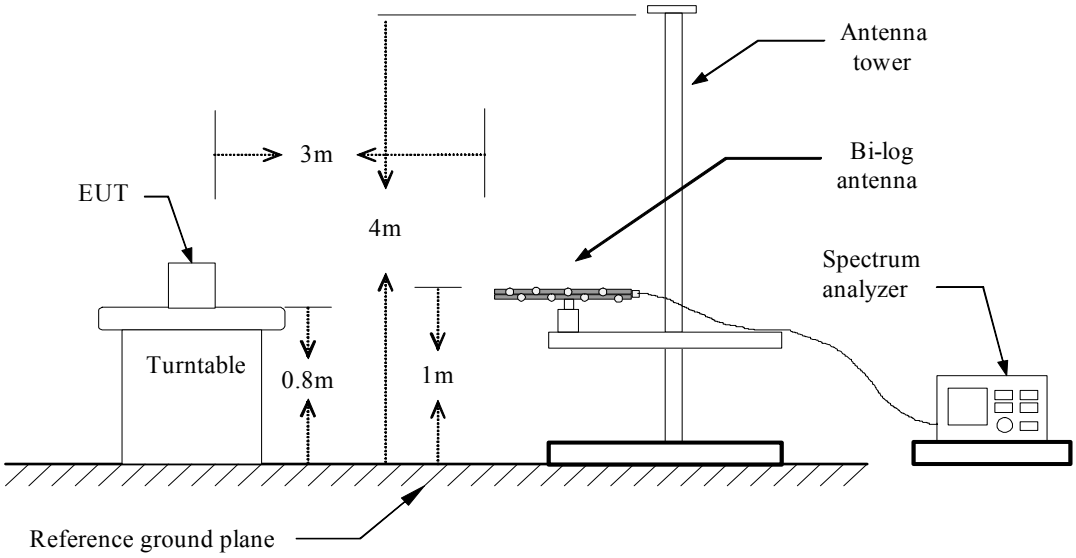
RSS-132 § 4.4 The maximum (ERP) shall be 6.3 Watts for mobile stations.

FCC 24.232(b): The equivalent Isotropic Radiated Power (EIRP) must not exceed 2 Watts.

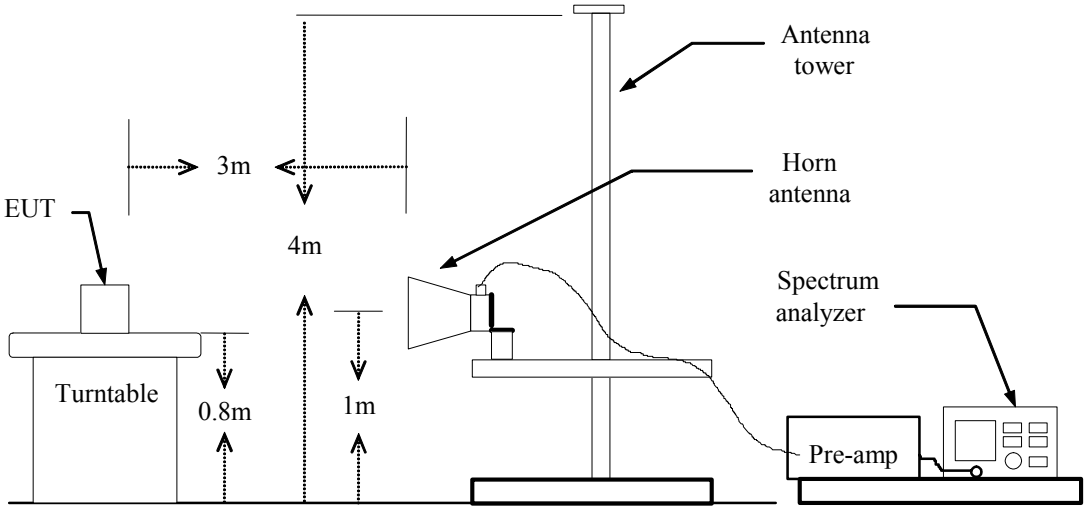
RSS133 § 6.4: Mobile stations and hand-held portables are limited to 2 watts maximum (EIRP).

Test Configuration

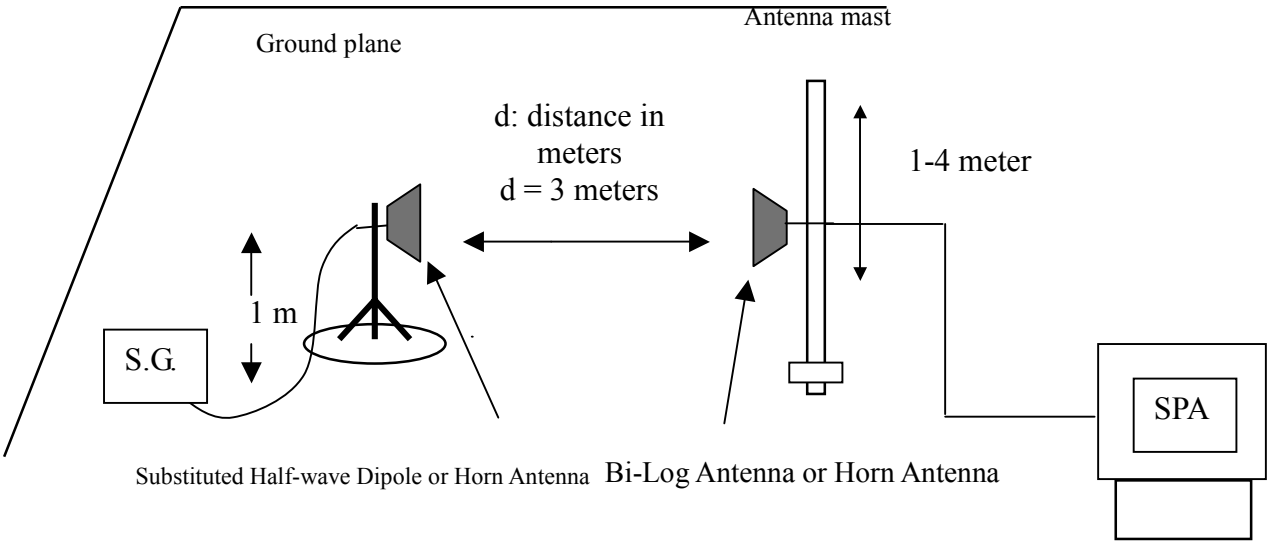
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



TEST PROCEDURE

The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.

During the measurement of the EUT, the resolution bandwidth was set to 3MHz and the average bandwidth was set to 3MHz. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna. The reading was recorded and the field strength (E in dBuV/m) was calculated.

ERP in frequency band 824-849MHz, and EIRP in frequency band 1851.25 –1910MHz were measured using a substitution method. The EUT was replaced by half-wave dipole (824-849MHz) or horn antenna (1851.25-1910MHz) connected to a signal generator. The spectrum analyzer reading was recorded and ERP/EIRP was calculated as follows:

ERP = S.G. output (dBm) + Antenna Gain (dBd) – Cable (dB)
EIRP = S.G. output (dBm) + Antenna Gain (dBi) – Cable (dB)

TEST RESULTS

No non-compliance noted.

GSM 850 Test Data

Channel	Frequency (MHz)	Antenna Pol.	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
128	824.20	V	-9.63	36.28	26.65	38.50	-11.85
	824.20	H	-11.08	36.22	25.14	38.50	-13.36
190	836.60	V	-8.73	36.36	27.63	38.50	-10.87
	836.60	H	-10.53	36.38	25.85	38.50	-12.65
251	848.80	V	-8.98	36.45	27.47	38.50	-11.03
	848.80	H	-7.93	36.53	***28.60**	38.50	-9.90

GPRS 850 Test Data

Channel	Frequency (MHz)	Antenna Pol.	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
128	824.20	V	-9.00	36.28	27.27	38.50	-11.23
	824.20	H	-10.15	36.22	26.07	38.50	-12.43
190	836.60	V	-8.84	36.35	27.52	38.50	-10.98
	836.60	H	-10.25	36.38	26.13	38.50	-12.37
251	848.80	V	-9.09	36.45	27.37	38.50	-11.13
	848.80	H	-7.60	36.53	***28.93**	38.50	-9.57

GSM 1900 Test Data

Channel	Frequency (MHz)	Antenna Pol.	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
512	1850.20	V	-19.74	42.27	22.54	33.00	-10.46
	1850.20	H	-15.76	42.51	26.75	33.00	-6.25
661	1880.00	V	-18.04	42.16	24.13	33.00	-8.87
	1880.00	H	-12.04	42.46	***30.43**	33.00	-2.57
810	1909.80	V	-18.00	42.03	24.03	33.00	-8.97
	1909.80	H	-12.36	42.38	30.02	33.00	-2.98

GPRS 1900 Test Data

Channel	Frequency (MHz)	Antenna Pol.	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
512	1850.20	V	-20.03	42.27	22.24	33.00	-10.76
	1850.20	H	-12.31	42.51	***30.20**	33.00	-2.80
661	1880.00	V	-17.94	42.16	24.23	33.00	-8.77
	1880.00	H	-12.28	42.46	30.19	33.00	-2.81
810	1909.80	V	-18.14	42.03	23.89	33.00	-9.11
	1909.80	H	-12.85	42.38	29.53	33.00	-3.47

EDGE 850 Test Data

Channel	Frequency (MHz)	Antenna Pol.	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
128	824.20	V	-13.84	36.27	22.43	38.50	-16.07
	824.20	H	-10.02	36.22	26.20	38.50	-12.30
190	836.60	V	-13.53	36.35	22.83	38.50	-15.67
	836.60	H	-15.01	36.38	21.37	38.50	-17.13
251	848.80	V	-9.00	36.45	27.46	38.50	-11.04
	848.80	H	-7.58	36.53	***28.95**	38.50	-9.55

EDGE 1900 Test Data

Channel	Frequency (MHz)	Antenna Pol.	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
512	1850.20	V	-22.44	42.27	19.83	33.00	-13.17
	1850.20	H	-18.64	42.51	23.87	33.00	-9.13
661	1880.00	V	-21.01	42.16	21.16	33.00	-11.84
	1880.00	H	-15.29	42.46	27.17	33.00	-5.83
810	1909.80	V	-21.29	42.03	20.74	33.00	-12.26
	1909.80	H	-15.65	42.38	***26.73**	33.00	-6.27

WCDMA BAND II Test Data

Channel	Frequency (MHz)	Antenna Pol.	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
9262	1852.40	V	-23.72	42.26	18.54	33.00	-14.46
	1852.40	H	-17.48	42.51	***25.03**	33.00	-7.97
9400	1880.00	V	-23.93	42.16	18.23	33.00	-14.77
	1880.00	H	-18.23	42.46	24.23	33.00	-8.77
9538	1909.80	V	-24.87	42.05	17.18	33.00	-15.82
	1909.80	H	-18.77	42.39	23.62	33.00	-9.38

WCDMA BAND V Test Data

Channel	Frequency (MHz)	Antenna Pol.	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
4132	826.40	V	-16.59	35.61	19.02	38.50	-19.48
	826.40	H	-18.27	35.10	16.83	38.50	-21.67
4183	836.60	V	-16.18	36.36	***20.18**	38.50	-18.32
	836.60	H	-17.92	36.38	18.46	38.50	-20.04
4233	846.60	V	-17.21	36.44	19.23	38.50	-19.27
	846.60	H	-17.30	36.51	19.21	38.50	-19.29

WCDMA / HSDPA BAND II Test Data

Channel	Frequency (MHz)	Antenna Pol.	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
9262	1852.40	V	-22.58	42.26	19.69	33.00	-13.31
	1852.40	H	-16.34	42.50	***26.16**	33.00	-6.84
9400	1880.00	V	-22.89	42.17	19.28	33.00	-13.72
	1880.00	H	-17.24	42.46	25.22	33.00	-7.78
9538	1907.60	V	-23.91	42.05	18.14	33.00	-14.86
	1907.60	H	-17.87	42.38	24.51	33.00	-8.49

WCDMA / HSDPA BAND V Test Data

Channel	Frequency (MHz)	Antenna Pol.	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
4132	826.40	V	-15.38	36.28	20.90	38.50	-17.60
	826.40	H	-17.12	36.23	19.11	38.50	-19.39
4183	836.60	V	-14.71	36.36	***21.65**	38.50	-16.85
	836.60	H	-16.95	36.39	19.44	38.50	-19.06
4233	846.60	V	-16.49	36.42	19.94	38.50	-18.56
	846.60	H	-16.68	36.52	19.84	38.50	-18.66

WCDMA / HSUPA BAND II Test Data

Channel	Frequency (MHz)	Antenna Pol.	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
9262	1852.40	V	-24.14	42.27	18.13	33.00	-14.87
	1852.40	H	-18.27	42.51	***24.23**	33.00	-8.77
9400	1880.00	V	-24.59	42.16	17.58	33.00	-15.42
	1880.00	H	-18.74	42.46	23.72	33.00	-9.28
9538	1907.60	V	-25.02	42.04	17.02	33.00	-15.98
	1907.60	H	-18.83	42.39	23.56	33.00	-9.44

WCDMA / HSUPA BAND V Test Data

Channel	Frequency (MHz)	Antenna Pol.	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
4132	826.40	V	-16.07	36.30	20.23	38.50	-18.27
	826.40	H	-17.37	36.23	18.86	38.50	-19.64
4183	836.60	V	-13.94	36.36	***22.42**	38.50	-16.08
	836.60	H	-16.17	36.39	20.22	38.50	-18.28
4233	846.60	V	-14.27	36.42	22.16	38.50	-16.34
	846.60	H	-16.01	36.52	20.50	38.50	-18.00

7.4 OUT OF BAND EMISSION AT ANTENNA TERMINALS

LIMIT

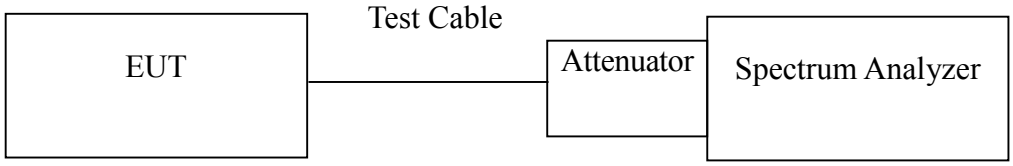
According to FCC §2.1051, FCC §22.917, FCC §24.238(a). RSS-132 (4.5.2), RSS-133 (6.6).

Out of Band Emissions: The mean power of emission must be attenuated below the mean power of the non-modulated carrier (P) on any frequency twice or more than twice the fundamental frequency by at lease 43 + 10 log P dB.

Mobile Emissions in Base Frequency Range: The mean power of any emissions appearing in the base station frequency range from cellular mobile transmitters operated must be attenuated to a level not exceed –80 dBm at the transmit antenna connector.
Band Edge Requirements: In the 1MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at lease 1% of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the Out of band Emission

Test Configuration

Out of band emission at antenna terminals:



TEST PROCEDURE

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

For the out of band: Set the RBW, VBW = 1MHz, Start=30MHz, Stop= 10 th harmonic. Limit = -13dBm

Band Edge Requirements (824 MHz and 849 MHz /1850MHz and 1910MHz): In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions. Limit, -13dBm.

TEST RESULTS

Not Applicable.

Testing was performed by CETECOM ICT Services GmbH accredited by DAR (registration number: DAT-P-176/94-D1)

Results: *Complied –refer to attachment 4, Aegis test report number: 4-2918-01-02/07-E, FCC 47 CFR Part 22 Subpart H & Part 24 Subpart E with FCC ID: VV7-MBMF3507G-L and RSS-132 Issue 2 & RSS-133 Issue 4 with IC No. 287AG-MBMF3507G.*

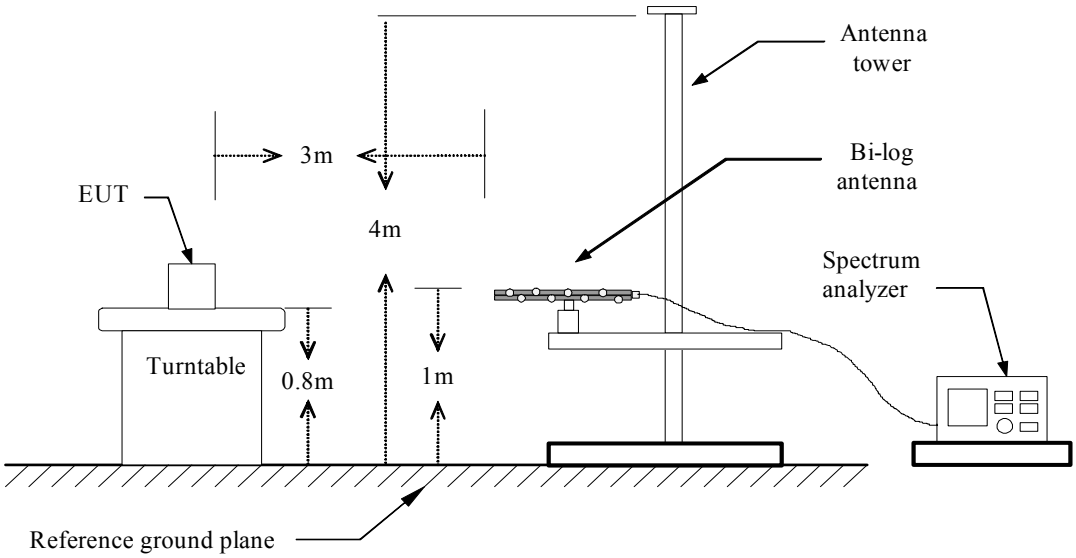
7.5 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

LIMIT

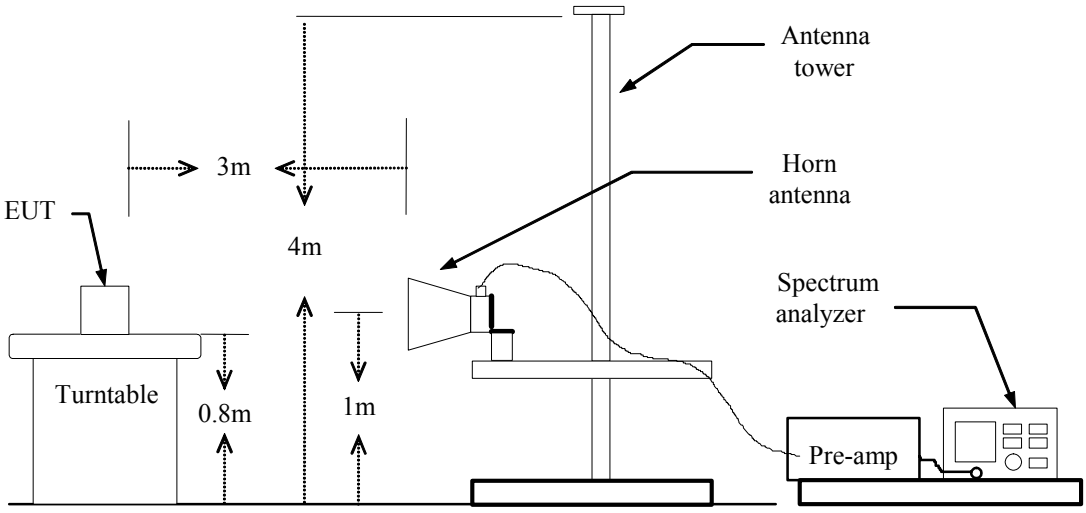
According to FCC §2.1053, RSS-132 (4.6) & RSS-133 (6.5).

Test Configuration

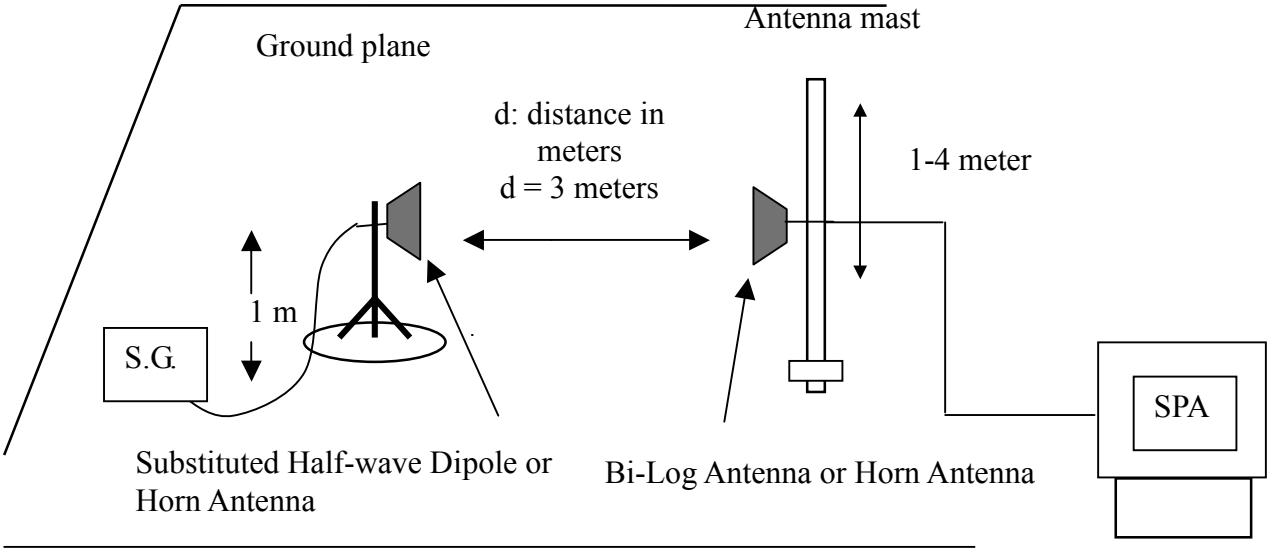
Below 1 GHz



Above 1 GHz



Substituted Method Test Set-up



TEST PROCEDURE

The EUT was placed on a non-conductive, the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission were identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP = S.G. output (dBm) + Antenna Gain (dBd) – Cable (dB)

EIRP = S.G. output (dBm) + Antenna Gain (dBi) – Cable (dB)

TEST RESULTS

Refer to the attached tabular data sheets.

Radiated Spurious Emission Measurement Result / Below 1GHz

Operation Mode: GSM 850 / TX / CH 128 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-43.32	-18.85	-62.17	-13.00	-49.17
99.84	V	-46.42	-18.42	-64.84	-13.00	-51.84
302.57	V	-47.36	-12.42	-59.77	-13.00	-46.77
408.30	V	-53.46	-10.19	-63.65	-13.00	-50.65
533.43	V	-58.96	-7.49	-66.46	-13.00	-53.46
682.81	V	-61.59	-5.87	-67.46	-13.00	-54.46
99.84	H	-47.91	-18.73	-66.64	-13.00	-53.64
303.54	H	-46.15	-13.06	-59.21	-13.00	-46.21
379.20	H	-56.22	-11.44	-67.66	-13.00	-54.66
407.33	H	-54.61	-10.19	-64.81	-13.00	-51.81
512.09	H	-60.30	-7.78	-68.08	-13.00	-55.08
796.30	H	-52.29	-4.44	-56.73	-13.00	-43.73

Remark:

1. *The emission behaviour belongs to narrowband spurious emission.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GSM 850 / TX / CH 190 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
130.88	V	-47.71	-12.84	-60.55	-13.00	-47.55
302.57	V	-47.81	-12.42	-60.23	-13.00	-47.23
453.89	V	-57.27	-9.02	-66.29	-13.00	-53.29
532.46	V	-58.79	-7.51	-66.30	-13.00	-53.30
799.21	V	-52.47	-4.44	-56.91	-13.00	-43.91
967.99	V	-60.43	-2.47	-62.90	-13.00	-49.90
130.88	H	-48.98	-14.44	-63.41	-13.00	-50.41
302.57	H	-47.69	-13.06	-60.74	-13.00	-47.74
379.20	H	-58.06	-11.44	-69.50	-13.00	-56.50
393.75	H	-60.08	-10.74	-70.82	-13.00	-57.82
453.89	H	-59.38	-8.99	-68.37	-13.00	-55.37
796.30	H	-53.43	-4.44	-57.86	-13.00	-44.86

Remark:

1. *The emission behaviour belongs to narrowband spurious emission.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GSM 850 / TX / CH 251 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.91	-18.85	-61.76	-13.00	-48.76
302.57	V	-47.61	-12.42	-60.03	-13.00	-47.03
379.20	V	-58.89	-11.83	-70.72	-13.00	-57.72
533.43	V	-58.15	-7.49	-65.64	-13.00	-52.64
741.98	V	-63.87	-5.21	-69.08	-13.00	-56.08
799.21	V	-52.71	-4.44	-57.16	-13.00	-44.16
86.26	H	-49.67	-21.33	-71.00	-13.00	-58.00
204.60	H	-57.44	-12.94	-70.38	-13.00	-57.38
302.57	H	-47.56	-13.06	-60.62	-13.00	-47.62
379.20	H	-57.58	-11.44	-69.01	-13.00	-56.01
533.43	H	-60.14	-7.77	-67.91	-13.00	-54.91
796.30	H	-54.58	-4.44	-59.02	-13.00	-46.02

Remark:

1. *The emission behaviour belongs to narrowband spurious emission.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 850 / TX / CH 128 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.97	V	-44.60	-18.26	-62.86	-13.00	-49.86
99.84	V	-46.56	-18.42	-64.98	-13.00	-51.98
303.54	V	-46.50	-12.44	-58.94	-13.00	-45.94
408.30	V	-54.90	-10.19	-65.09	-13.00	-52.09
532.46	V	-58.53	-7.51	-66.04	-13.00	-53.04
681.84	V	-60.10	-5.88	-65.99	-13.00	-52.99
99.84	H	-46.42	-18.73	-65.15	-13.00	-52.15
168.71	H	-55.64	-12.69	-68.33	-13.00	-55.33
302.57	H	-46.91	-13.06	-59.97	-13.00	-46.97
408.30	H	-54.16	-10.16	-64.33	-13.00	-51.33
530.52	H	-59.74	-7.78	-67.52	-13.00	-54.52
681.84	H	-61.08	-6.02	-67.10	-13.00	-54.10

Remark:

1. *The emission behaviour belongs to narrowband spurious emission.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 850 / TX / CH 190 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
130.88	V	-47.53	-12.84	-60.37	-13.00	-47.37
303.54	V	-47.50	-12.44	-59.94	-13.00	-46.94
452.92	V	-57.52	-9.04	-66.56	-13.00	-53.56
533.43	V	-58.27	-7.49	-65.77	-13.00	-52.77
799.21	V	-51.97	-4.44	-56.41	-13.00	-43.41
967.99	V	-60.65	-2.47	-63.12	-13.00	-50.12
130.88	H	-47.75	-14.44	-62.19	-13.00	-49.19
302.57	H	-47.65	-13.06	-60.70	-13.00	-47.70
452.92	H	-58.23	-9.00	-67.23	-13.00	-54.23
754.59	H	-63.55	-5.03	-68.57	-13.00	-55.57
796.30	H	-54.42	-4.44	-58.86	-13.00	-45.86
967.02	H	-60.76	-2.69	-63.45	-13.00	-50.45

Remark:

1. *The emission behaviour belongs to narrowband spurious emission.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 850 / TX / CH 251 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-43.71	-18.85	-62.56	-13.00	-49.56
302.57	V	-47.76	-12.42	-60.17	-13.00	-47.17
379.20	V	-58.49	-11.83	-70.32	-13.00	-57.32
533.43	V	-59.08	-7.49	-66.58	-13.00	-53.58
666.32	V	-62.19	-6.09	-68.29	-13.00	-55.29
796.30	V	-52.33	-4.46	-56.79	-13.00	-43.79
286.08	H	-52.09	-12.17	-64.27	-13.00	-51.27
302.57	H	-47.96	-13.06	-61.02	-13.00	-48.02
379.20	H	-57.39	-11.44	-68.83	-13.00	-55.83
530.52	H	-60.71	-7.78	-68.49	-13.00	-55.49
753.62	H	-60.49	-5.05	-65.54	-13.00	-52.54
799.21	H	-53.00	-4.46	-57.46	-13.00	-44.46

Remark:

1. *The emission behaviour belongs to narrowband spurious emission.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GSM 1900 / TX / CH 512 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
302.57	V	-46.61	-12.42	-59.03	-13.00	-46.03
532.46	V	-59.13	-7.51	-66.64	-13.00	-53.64
547.98	V	-60.52	-7.37	-67.88	-13.00	-54.88
663.41	V	-61.34	-6.13	-67.47	-13.00	-54.47
799.21	V	-52.91	-4.44	-57.35	-13.00	-44.35
816.67	V	-62.11	-4.05	-66.16	-13.00	-53.16
302.57	H	-47.68	-13.06	-60.74	-13.00	-47.74
379.20	H	-58.24	-11.44	-69.68	-13.00	-56.68
532.46	H	-61.12	-7.77	-68.89	-13.00	-55.89
546.04	H	-61.90	-7.61	-69.51	-13.00	-56.51
666.32	H	-64.64	-5.94	-70.58	-13.00	-57.58
796.30	H	-54.00	-4.44	-58.44	-13.00	-45.44

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GSM 1900 / TX / CH 661 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.98	-18.85	-61.83	-13.00	-48.83
303.54	V	-46.70	-12.44	-59.13	-13.00	-46.13
379.20	V	-58.05	-11.83	-69.87	-13.00	-56.87
532.46	V	-58.66	-7.51	-66.17	-13.00	-53.17
590.66	V	-61.29	-7.07	-68.37	-13.00	-55.37
796.30	V	-52.74	-4.46	-57.20	-13.00	-44.20
209.45	H	-55.73	-14.06	-69.80	-13.00	-56.80
302.57	H	-47.28	-13.06	-60.34	-13.00	-47.34
327.79	H	-55.72	-13.16	-68.88	-13.00	-55.88
379.20	H	-57.88	-11.44	-69.31	-13.00	-56.31
533.43	H	-60.60	-7.77	-68.37	-13.00	-55.37
799.21	H	-53.50	-4.46	-57.96	-13.00	-44.96

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GSM 1900 / TX / CH 810 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.10	-18.85	-60.95	-13.00	-47.95
302.57	V	-47.73	-12.42	-60.15	-13.00	-47.15
379.20	V	-58.45	-11.83	-70.28	-13.00	-57.28
533.43	V	-58.26	-7.49	-65.75	-13.00	-52.75
732.28	V	-63.77	-5.34	-69.11	-13.00	-56.11
799.21	V	-52.98	-4.44	-57.43	-13.00	-44.43
74.62	H	-51.70	-19.10	-70.80	-13.00	-57.80
208.48	H	-54.99	-13.84	-68.83	-13.00	-55.83
302.57	H	-47.04	-13.06	-60.10	-13.00	-47.10
379.20	H	-56.92	-11.44	-68.36	-13.00	-55.36
533.43	H	-60.76	-7.77	-68.53	-13.00	-55.53
799.21	H	-54.05	-4.46	-58.51	-13.00	-45.51

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 1900 / TX / CH 512 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
86.26	V	-48.91	-20.28	-69.19	-13.00	-56.19
167.74	V	-59.30	-13.51	-72.81	-13.00	-59.81
302.57	V	-47.65	-12.42	-60.06	-13.00	-47.06
530.52	V	-58.75	-7.54	-66.29	-13.00	-53.29
590.66	V	-62.15	-7.07	-69.22	-13.00	-56.22
799.21	V	-52.12	-4.44	-56.56	-13.00	-43.56
205.57	H	-56.91	-13.17	-70.08	-13.00	-57.08
303.54	H	-48.15	-13.06	-61.21	-13.00	-48.21
532.46	H	-60.66	-7.77	-68.43	-13.00	-55.43
547.98	H	-59.93	-7.57	-67.49	-13.00	-54.49
590.66	H	-61.13	-6.96	-68.08	-13.00	-55.08
796.30	H	-54.40	-4.44	-58.84	-13.00	-45.84

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 1900 / TX / CH 661 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.97	V	-43.76	-18.26	-62.02	-13.00	-49.02
287.05	V	-50.48	-11.63	-62.11	-13.00	-49.11
302.57	V	-46.77	-12.42	-59.18	-13.00	-46.18
530.52	V	-57.45	-7.54	-64.99	-13.00	-51.99
743.92	V	-62.64	-5.20	-67.84	-13.00	-54.84
796.30	V	-52.77	-4.46	-57.24	-13.00	-44.24
208.48	H	-55.97	-13.84	-69.81	-13.00	-56.81
302.57	H	-48.14	-13.06	-61.20	-13.00	-48.20
327.79	H	-54.96	-13.16	-68.12	-13.00	-55.12
379.20	H	-58.25	-11.44	-69.69	-13.00	-56.69
532.46	H	-60.03	-7.77	-67.80	-13.00	-54.80
799.21	H	-53.31	-4.46	-57.77	-13.00	-44.77

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 1900 / TX / CH 810 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.65	-18.85	-61.50	-13.00	-48.50
302.57	V	-47.25	-12.42	-59.67	-13.00	-46.67
533.43	V	-57.99	-7.49	-65.49	-13.00	-52.49
547.98	V	-60.52	-7.37	-67.89	-13.00	-54.89
744.89	V	-61.47	-5.19	-66.65	-13.00	-53.65
796.30	V	-52.89	-4.46	-57.35	-13.00	-44.35
86.26	H	-48.80	-21.33	-70.12	-13.00	-57.12
286.08	H	-51.68	-12.17	-63.85	-13.00	-50.85
303.54	H	-47.91	-13.06	-60.98	-13.00	-47.98
530.52	H	-59.73	-7.78	-67.51	-13.00	-54.51
546.04	H	-61.20	-7.61	-68.81	-13.00	-55.81
799.21	H	-52.46	-4.46	-56.92	-13.00	-43.92

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 850 / TX / CH 128 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.93	-18.85	-61.78	-13.00	-48.78
99.84	V	-46.68	-18.42	-65.10	-13.00	-52.10
302.57	V	-46.70	-12.42	-59.11	-13.00	-46.11
408.30	V	-55.16	-10.19	-65.36	-13.00	-52.36
532.46	V	-57.60	-7.51	-65.11	-13.00	-52.11
682.81	V	-59.77	-5.87	-65.64	-13.00	-52.64
99.84	H	-46.75	-18.73	-65.48	-13.00	-52.48
303.54	H	-45.31	-13.06	-58.37	-13.00	-45.37
379.20	H	-54.64	-11.44	-66.08	-13.00	-53.08
407.33	H	-55.44	-10.19	-65.63	-13.00	-52.63
533.43	H	-60.08	-7.77	-67.85	-13.00	-54.85
681.84	H	-61.69	-6.02	-67.71	-13.00	-54.71

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 850 / TX / CH 190 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.31	-18.85	-61.16	-13.00	-48.16
130.88	V	-48.67	-12.84	-61.52	-13.00	-48.52
303.54	V	-44.52	-12.44	-56.95	-13.00	-43.95
530.52	V	-56.92	-7.54	-64.46	-13.00	-51.46
745.86	V	-57.85	-5.18	-63.03	-13.00	-50.03
796.30	V	-52.07	-4.46	-56.53	-13.00	-43.53
130.88	H	-49.37	-14.44	-63.81	-13.00	-50.81
205.57	H	-54.51	-13.17	-67.67	-13.00	-54.67
302.57	H	-45.22	-13.06	-58.28	-13.00	-45.28
378.23	H	-55.02	-11.47	-66.49	-13.00	-53.49
533.43	H	-58.77	-7.77	-66.53	-13.00	-53.53
796.30	H	-52.72	-4.44	-57.15	-13.00	-44.15

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 850 / TX / CH 251 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-39.54	-18.85	-58.39	-13.00	-45.39
86.26	V	-46.67	-20.28	-66.95	-13.00	-53.95
303.54	V	-43.56	-12.44	-56.00	-13.00	-43.00
378.23	V	-52.93	-11.84	-64.77	-13.00	-51.77
533.43	V	-55.01	-7.49	-62.50	-13.00	-49.50
799.21	V	-50.09	-4.44	-54.54	-13.00	-41.54
205.57	H	-53.58	-13.17	-66.74	-13.00	-53.74
302.57	H	-44.63	-13.06	-57.69	-13.00	-44.69
379.20	H	-55.04	-11.44	-66.48	-13.00	-53.48
491.72	H	-60.71	-7.98	-68.69	-13.00	-55.69
531.49	H	-58.26	-7.77	-66.03	-13.00	-53.03
796.30	H	-53.52	-4.44	-57.96	-13.00	-44.96

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 1900 / TX / CH 512 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Jerry Lin

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.02	-18.85	-60.87	-13.00	-47.87
86.26	V	-49.31	-20.28	-69.59	-13.00	-56.59
302.57	V	-46.78	-12.42	-59.20	-13.00	-46.20
533.43	V	-57.39	-7.49	-64.89	-13.00	-51.89
744.89	V	-61.78	-5.19	-66.97	-13.00	-53.97
796.30	V	-50.69	-4.46	-55.16	-13.00	-42.16
302.57	H	-46.68	-13.06	-59.73	-13.00	-46.73
393.75	H	-58.30	-10.74	-69.05	-13.00	-56.05
532.46	H	-59.98	-7.77	-67.75	-13.00	-54.75
546.04	H	-59.75	-7.61	-67.36	-13.00	-54.36
599.39	H	-61.09	-7.03	-68.13	-13.00	-55.13
796.30	H	-52.67	-4.44	-57.11	-13.00	-44.11

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 1900 / TX / CH 661 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.97	V	-43.55	-18.26	-61.81	-13.00	-48.81
302.57	V	-46.04	-12.42	-58.46	-13.00	-45.46
379.20	V	-57.68	-11.83	-69.51	-13.00	-56.51
532.46	V	-57.92	-7.51	-65.43	-13.00	-52.43
591.63	V	-60.50	-7.07	-67.56	-13.00	-54.56
796.30	V	-51.60	-4.46	-56.06	-13.00	-43.06
205.57	H	-56.50	-13.17	-69.66	-13.00	-56.66
302.57	H	-47.27	-13.06	-60.33	-13.00	-47.33
530.52	H	-60.69	-7.78	-68.47	-13.00	-55.47
547.01	H	-60.91	-7.59	-68.50	-13.00	-55.50
753.62	H	-63.02	-5.05	-68.07	-13.00	-55.07
796.30	H	-53.47	-4.44	-57.91	-13.00	-44.91

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 1900 / TX / CH 810 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.93	-18.85	-61.78	-13.00	-48.78
50.37	V	-51.98	-16.14	-68.12	-13.00	-55.12
86.26	V	-49.42	-20.28	-69.71	-13.00	-56.71
302.57	V	-46.61	-12.42	-59.03	-13.00	-46.03
533.43	V	-57.49	-7.49	-64.99	-13.00	-51.99
799.21	V	-52.54	-4.44	-56.99	-13.00	-43.99
86.26	H	-48.35	-21.33	-69.67	-13.00	-56.67
302.57	H	-48.36	-13.06	-61.42	-13.00	-48.42
327.79	H	-54.91	-13.16	-68.07	-13.00	-55.07
379.20	H	-57.84	-11.44	-69.28	-13.00	-56.28
533.43	H	-59.56	-7.77	-67.32	-13.00	-54.32
797.27	H	-51.45	-4.44	-55.90	-13.00	-42.90

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band II / TX / CH 9262 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
86.26	V	-47.91	-20.28	-68.19	-13.00	-55.19
303.54	V	-48.04	-12.44	-60.48	-13.00	-47.48
531.49	V	-59.69	-7.52	-67.22	-13.00	-54.22
666.32	V	-62.05	-6.09	-68.14	-13.00	-55.14
708.03	V	-61.88	-5.58	-67.46	-13.00	-54.46
799.21	V	-54.80	-4.44	-59.24	-13.00	-46.24
303.54	H	-46.86	-13.06	-59.93	-13.00	-46.93
378.23	H	-57.58	-11.47	-69.05	-13.00	-56.05
393.75	H	-58.78	-10.74	-69.52	-13.00	-56.52
532.46	H	-60.90	-7.77	-68.67	-13.00	-55.67
664.38	H	-62.02	-5.93	-67.95	-13.00	-54.95
799.21	H	-53.81	-4.46	-58.27	-13.00	-45.27

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band II / TX / CH 9400 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-28.07	-18.85	-46.92	-13.00	-33.92
303.54	V	-47.53	-12.44	-59.97	-13.00	-46.97
379.20	V	-55.94	-11.83	-67.77	-13.00	-54.77
532.46	V	-59.24	-7.51	-66.75	-13.00	-53.75
799.21	V	-51.44	-4.44	-55.89	-13.00	-42.89
815.70	V	-62.66	-4.07	-66.74	-13.00	-53.74
30.97	H	-31.45	-19.20	-50.65	-13.00	-37.65
303.54	H	-47.10	-13.06	-60.16	-13.00	-47.16
379.20	H	-57.26	-11.44	-68.70	-13.00	-55.70
533.43	H	-59.39	-7.77	-67.16	-13.00	-54.16
663.41	H	-60.89	-5.92	-66.81	-13.00	-53.81
799.21	H	-54.64	-4.46	-59.10	-13.00	-46.10

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band II / TX / CH 9538 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-43.32	-18.85	-62.17	-13.00	-49.17
289.96	V	-52.31	-11.28	-63.59	-13.00	-50.59
302.57	V	-48.33	-12.42	-60.75	-13.00	-47.75
533.43	V	-58.42	-7.49	-65.92	-13.00	-52.92
665.35	V	-60.33	-6.11	-66.43	-13.00	-53.43
799.21	V	-54.00	-4.44	-58.44	-13.00	-45.44
31.94	H	-32.47	-18.25	-50.72	-13.00	-37.72
303.54	H	-48.63	-13.06	-61.70	-13.00	-48.70
532.46	H	-60.72	-7.77	-68.48	-13.00	-55.48
666.32	H	-64.40	-5.94	-70.34	-13.00	-57.34
799.21	H	-54.17	-4.46	-58.63	-13.00	-45.63
821.52	H	-63.84	-4.12	-67.95	-13.00	-54.95

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band V / TX / CH 4132 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.97	V	-46.93	-18.26	-65.19	-13.00	-52.19
303.54	V	-51.24	-12.44	-63.68	-13.00	-50.68
379.20	V	-62.87	-11.83	-74.70	-13.00	-61.70
530.52	V	-64.37	-7.54	-71.91	-13.00	-58.91
663.41	V	-67.28	-6.13	-73.42	-13.00	-60.42
796.30	V	-58.43	-4.46	-62.90	-13.00	-49.90
168.71	H	-59.66	-12.69	-72.35	-13.00	-59.35
302.57	H	-47.79	-13.06	-60.85	-13.00	-47.85
379.20	H	-56.88	-11.44	-68.32	-13.00	-55.32
533.43	H	-61.22	-7.77	-68.98	-13.00	-55.98
547.98	H	-62.14	-7.57	-69.71	-13.00	-56.71
796.30	H	-55.72	-4.44	-60.15	-13.00	-47.15

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band V / TX / CH 4183 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-44.63	-18.85	-63.49	-13.00	-50.49
86.26	V	-51.26	-20.28	-71.54	-13.00	-58.54
302.57	V	-49.14	-12.42	-61.56	-13.00	-48.56
378.23	V	-59.50	-11.84	-71.33	-13.00	-58.33
533.43	V	-61.26	-7.49	-68.76	-13.00	-55.76
799.21	V	-54.75	-4.44	-59.20	-13.00	-46.20
302.57	H	-48.40	-13.06	-61.45	-13.00	-48.45
379.20	H	-57.55	-11.44	-68.99	-13.00	-55.99
533.43	H	-60.29	-7.77	-68.05	-13.00	-55.05
590.66	H	-61.75	-6.96	-68.70	-13.00	-55.70
754.59	H	-63.45	-5.03	-68.48	-13.00	-55.48
796.30	H	-54.45	-4.44	-58.89	-13.00	-45.89

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band V / TX / CH 4233 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
302.57	V	-47.80	-12.42	-60.22	-13.00	-47.22
379.20	V	-57.71	-11.83	-69.53	-13.00	-56.53
454.86	V	-62.08	-9.00	-71.08	-13.00	-58.08
533.43	V	-59.42	-7.49	-66.92	-13.00	-53.92
666.32	V	-62.16	-6.09	-68.26	-13.00	-55.26
799.21	V	-52.91	-4.44	-57.35	-13.00	-44.35
302.57	H	-47.03	-13.06	-60.09	-13.00	-47.09
379.20	H	-56.59	-11.44	-68.03	-13.00	-55.03
533.43	H	-59.55	-7.77	-67.32	-13.00	-54.32
599.39	H	-63.14	-7.03	-70.17	-13.00	-57.17
665.35	H	-64.45	-5.93	-70.38	-13.00	-57.38
797.27	H	-52.48	-4.44	-56.93	-13.00	-43.93

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band II / TX / CH 9262 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.69	-18.85	-61.54	-13.00	-48.54
302.57	V	-47.34	-12.42	-59.76	-13.00	-46.76
379.20	V	-57.65	-11.83	-69.47	-13.00	-56.47
533.43	V	-59.12	-7.49	-66.61	-13.00	-53.61
799.21	V	-54.57	-4.44	-59.02	-13.00	-46.02
808.91	V	-61.84	-4.23	-66.08	-13.00	-53.08
30.97	H	-23.55	-19.20	-42.75	-13.00	-29.75
302.57	H	-48.21	-13.06	-61.27	-13.00	-48.27
379.20	H	-56.29	-11.44	-67.73	-13.00	-54.73
533.43	H	-61.06	-7.77	-68.82	-13.00	-55.82
799.21	H	-53.93	-4.46	-58.39	-13.00	-45.39
833.16	H	-66.11	-4.05	-70.16	-13.00	-57.16

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band II / TX / CH 9400 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.97	V	-44.78	-18.26	-63.04	-13.00	-50.04
302.57	V	-47.23	-12.42	-59.65	-13.00	-46.65
379.20	V	-57.41	-11.83	-69.24	-13.00	-56.24
533.43	V	-58.87	-7.49	-66.36	-13.00	-53.36
665.35	V	-62.67	-6.11	-68.78	-13.00	-55.78
799.21	V	-53.95	-4.44	-58.39	-13.00	-45.39
30.97	H	-24.84	-19.20	-44.04	-13.00	-31.04
302.57	H	-47.63	-13.06	-60.69	-13.00	-47.69
533.43	H	-60.96	-7.77	-68.73	-13.00	-55.73
663.41	H	-63.30	-5.92	-69.22	-13.00	-56.22
753.62	H	-65.42	-5.05	-70.47	-13.00	-57.47
799.21	H	-55.55	-4.46	-60.01	-13.00	-47.01

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band II / TX / CH 9538 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.97	V	-41.60	-18.26	-59.86	-13.00	-46.86
303.54	V	-47.08	-12.44	-59.52	-13.00	-46.52
379.20	V	-57.62	-11.83	-69.45	-13.00	-56.45
531.49	V	-59.65	-7.52	-67.18	-13.00	-54.18
799.21	V	-54.28	-4.44	-58.73	-13.00	-45.73
827.34	V	-64.07	-3.97	-68.04	-13.00	-55.04
30.97	H	-26.07	-19.20	-45.26	-13.00	-32.26
303.54	H	-48.06	-13.06	-61.13	-13.00	-48.13
530.52	H	-60.44	-7.78	-68.22	-13.00	-55.22
591.63	H	-62.70	-6.96	-69.67	-13.00	-56.67
799.21	H	-54.46	-4.46	-58.92	-13.00	-45.92
820.55	H	-64.66	-4.12	-68.78	-13.00	-55.78

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band V / TX / CH 4132 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.77	-18.85	-61.62	-13.00	-48.62
290.93	V	-55.04	-11.38	-66.42	-13.00	-53.42
302.57	V	-51.45	-12.42	-63.86	-13.00	-50.86
530.52	V	-64.10	-7.54	-71.64	-13.00	-58.64
546.04	V	-64.08	-7.37	-71.46	-13.00	-58.46
666.32	V	-66.52	-6.09	-72.61	-13.00	-59.61
205.57	H	-55.20	-13.17	-68.37	-13.00	-55.37
303.54	H	-44.23	-13.06	-57.30	-13.00	-44.30
379.20	H	-55.17	-11.44	-66.61	-13.00	-53.61
393.75	H	-58.14	-10.74	-68.89	-13.00	-55.89
533.43	H	-57.48	-7.77	-65.25	-13.00	-52.25
591.63	H	-61.51	-6.96	-68.47	-13.00	-55.47

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band V / TX / CH 4183 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.09	-18.85	-60.94	-13.00	-47.94
302.57	V	-48.05	-12.42	-60.46	-13.00	-47.46
379.20	V	-57.60	-11.83	-69.43	-13.00	-56.43
533.43	V	-60.50	-7.49	-68.00	-13.00	-55.00
601.33	V	-63.02	-6.95	-69.97	-13.00	-56.97
666.32	V	-63.15	-6.09	-69.24	-13.00	-56.24
32.91	H	-39.81	-17.31	-57.11	-13.00	-44.11
303.54	H	-46.37	-13.06	-59.43	-13.00	-46.43
379.20	H	-56.91	-11.44	-68.35	-13.00	-55.35
533.43	H	-59.78	-7.77	-67.54	-13.00	-54.54
590.66	H	-61.39	-6.96	-68.35	-13.00	-55.35
665.35	H	-61.83	-5.93	-67.76	-13.00	-54.76

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band V / TX / CH 4233 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.41	-18.85	-61.26	-13.00	-48.26
303.54	V	-47.74	-12.44	-60.18	-13.00	-47.18
532.46	V	-58.92	-7.51	-66.43	-13.00	-53.43
666.32	V	-61.10	-6.09	-67.20	-13.00	-54.20
699.30	V	-62.39	-5.63	-68.02	-13.00	-55.02
800.18	V	-53.58	-4.44	-58.02	-13.00	-45.02
32.91	H	-39.39	-17.31	-56.70	-13.00	-43.70
302.57	H	-45.88	-13.06	-58.94	-13.00	-45.94
378.23	H	-55.69	-11.47	-67.16	-13.00	-54.16
531.49	H	-59.90	-7.77	-67.67	-13.00	-54.67
599.39	H	-61.51	-7.03	-68.55	-13.00	-55.55
799.21	H	-52.88	-4.46	-57.34	-13.00	-44.34

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band II / TX / CH 9262 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
86.26	V	-45.67	-20.28	-65.95	-13.00	-52.95
302.57	V	-46.06	-12.42	-58.47	-13.00	-45.47
533.43	V	-55.98	-7.49	-63.47	-13.00	-50.47
743.92	V	-59.91	-5.20	-65.10	-13.00	-52.10
799.21	V	-53.84	-4.44	-58.28	-13.00	-45.28
820.55	V	-59.93	-3.97	-63.91	-13.00	-50.91
31.94	H	-40.60	-18.25	-58.85	-13.00	-45.85
86.26	H	-49.64	-21.33	-70.96	-13.00	-57.96
206.54	H	-52.68	-13.39	-66.07	-13.00	-53.07
303.54	H	-49.05	-13.06	-62.11	-13.00	-49.11
532.46	H	-58.73	-7.77	-66.50	-13.00	-53.50
799.21	H	-53.72	-4.46	-58.17	-13.00	-45.17

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band II / TX / CH 9400 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
32.91	V	-42.18	-17.07	-59.26	-13.00	-46.26
302.57	V	-47.55	-12.42	-59.96	-13.00	-46.96
533.43	V	-56.07	-7.49	-63.56	-13.00	-50.56
663.41	V	-62.33	-6.13	-68.47	-13.00	-55.47
799.21	V	-54.52	-4.44	-58.97	-13.00	-45.97
824.43	V	-60.67	-3.97	-64.65	-13.00	-51.65
200.72	H	-54.46	-12.05	-66.51	-13.00	-53.51
303.54	H	-48.79	-13.06	-61.86	-13.00	-48.86
533.43	H	-58.06	-7.77	-65.83	-13.00	-52.83
590.66	H	-61.48	-6.96	-68.43	-13.00	-55.43
664.38	H	-62.94	-5.93	-68.87	-13.00	-55.87
799.21	H	-52.50	-4.46	-56.95	-13.00	-43.95

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band II / TX / CH 9538 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-43.45	-18.85	-62.30	-13.00	-49.30
302.57	V	-48.64	-12.42	-61.05	-13.00	-48.05
379.20	V	-58.06	-11.83	-69.89	-13.00	-56.89
533.43	V	-56.74	-7.49	-64.24	-13.00	-51.24
663.41	V	-60.05	-6.13	-66.19	-13.00	-53.19
796.30	V	-54.58	-4.46	-59.04	-13.00	-46.04
206.54	H	-54.42	-13.39	-67.81	-13.00	-54.81
302.57	H	-49.31	-13.06	-62.36	-13.00	-49.36
533.43	H	-58.00	-7.77	-65.77	-13.00	-52.77
590.66	H	-62.26	-6.96	-69.22	-13.00	-56.22
664.38	H	-62.22	-5.93	-68.14	-13.00	-55.14
799.21	H	-53.65	-4.46	-58.10	-13.00	-45.10

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band V / TX / CH 4132 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.97	V	-46.33	-18.26	-64.59	-13.00	-51.59
167.74	V	-58.98	-13.51	-72.49	-13.00	-59.49
303.54	V	-51.91	-12.44	-64.35	-13.00	-51.35
379.20	V	-60.95	-11.83	-72.78	-13.00	-59.78
530.52	V	-57.43	-7.54	-64.97	-13.00	-51.97
607.15	V	-63.96	-6.75	-70.71	-13.00	-57.71
206.54	H	-54.85	-13.39	-68.24	-13.00	-55.24
302.57	H	-48.92	-13.06	-61.98	-13.00	-48.98
379.20	H	-59.06	-11.44	-70.50	-13.00	-57.50
491.72	H	-63.45	-7.98	-71.43	-13.00	-58.43
533.43	H	-61.41	-7.77	-69.18	-13.00	-56.18
796.30	H	-55.24	-4.44	-59.67	-13.00	-46.67

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band V / TX / CH 4183 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-44.09	-18.85	-62.94	-13.00	-49.94
167.74	V	-55.65	-13.51	-69.16	-13.00	-56.16
303.54	V	-49.47	-12.44	-61.91	-13.00	-48.91
464.56	V	-60.73	-8.75	-69.48	-13.00	-56.48
531.49	V	-55.69	-7.52	-63.22	-13.00	-50.22
796.30	V	-55.90	-4.46	-60.36	-13.00	-47.36
198.78	H	-54.66	-12.09	-66.75	-13.00	-53.75
303.54	H	-47.89	-13.06	-60.95	-13.00	-47.95
379.20	H	-59.14	-11.44	-70.58	-13.00	-57.58
533.43	H	-58.59	-7.77	-66.36	-13.00	-53.36
730.34	H	-64.06	-5.53	-69.59	-13.00	-56.59
799.21	H	-53.65	-4.46	-58.11	-13.00	-45.11

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band V / TX / CH 4233 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-41.75	-18.85	-60.60	-13.00	-47.60
303.54	V	-44.83	-12.44	-57.27	-13.00	-44.27
533.43	V	-53.67	-7.49	-61.16	-13.00	-48.16
598.42	V	-59.05	-7.01	-66.07	-13.00	-53.07
744.89	V	-60.06	-5.19	-65.25	-13.00	-52.25
796.30	V	-52.46	-4.46	-56.93	-13.00	-43.93
198.78	H	-53.85	-12.09	-65.94	-13.00	-52.94
277.35	H	-50.37	-12.91	-63.28	-13.00	-50.28
302.57	H	-47.20	-13.06	-60.26	-13.00	-47.26
532.46	H	-57.43	-7.77	-65.20	-13.00	-52.20
591.63	H	-61.01	-6.96	-67.97	-13.00	-54.97
799.21	H	-51.89	-4.46	-56.35	-13.00	-43.35

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Above 1GHz

Operation Mode: GSM 850 / TX / CH 128 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-57.25	1.60	-55.65	-13.00	-42.65
1651.00	V	-55.74	1.63	-54.11	-13.00	-41.11
2470.00	V	-38.40	4.75	-33.65	-13.00	-20.65
4122.00	V	-60.39	8.80	-51.58	-13.00	-38.58
N/A						
1595.00	H	-56.58	1.58	-54.99	-13.00	-41.99
1651.00	H	-57.12	1.63	-55.48	-13.00	-42.48
2127.00	H	-59.39	2.72	-56.67	-13.00	-43.67
2470.00	H	-37.57	4.74	-32.82	-13.00	-19.82
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GSM 850 / TX / CH 190 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1672.00	V	-56.49	1.64	-54.86	-13.00	-41.86
2512.00	V	-33.19	4.96	-28.23	-13.00	-15.23
4185.00	V	-57.94	8.77	-49.17	-13.00	-36.17
N/A						
1595.00	H	-56.46	1.58	-54.88	-13.00	-41.88
1672.00	H	-54.33	1.66	-52.68	-13.00	-39.68
2127.00	H	-58.60	2.72	-55.88	-13.00	-42.88
2512.00	H	-36.73	4.94	-31.79	-13.00	-18.79
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GSM 850 / TX / CH 251 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-56.74	1.60	-55.14	-13.00	-42.14
1700.00	V	-54.34	1.65	-52.69	-13.00	-39.69
2127.00	V	-57.69	2.58	-55.11	-13.00	-42.11
2547.00	V	-37.15	5.02	-32.13	-13.00	-19.13
N/A						
1595.00	H	-56.59	1.58	-55.01	-13.00	-42.01
1700.00	H	-55.81	1.68	-54.12	-13.00	-41.12
2127.00	H	-59.95	2.72	-57.23	-13.00	-44.23
2547.00	H	-39.90	4.98	-34.92	-13.00	-21.92
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 850 / TX / CH 128 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-56.30	1.60	-54.70	-13.00	-41.70
2470.00	V	-40.60	4.75	-35.85	-13.00	-22.85
N/A						
1595.00	H	-55.97	1.58	-54.39	-13.00	-41.39
1651.00	H	-57.49	1.63	-55.86	-13.00	-42.86
2470.00	H	-38.30	4.74	-33.55	-13.00	-20.55
4122.00	H	-59.27	7.47	-51.80	-13.00	-38.80
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 850 / TX / CH 190 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-55.69	1.60	-54.09	-13.00	-41.09
1672.00	V	-57.52	1.64	-55.89	-13.00	-42.89
2512.00	V	-39.69	4.96	-34.73	-13.00	-21.73
N/A						
1385.00	H	-58.55	1.06	-57.50	-13.00	-44.50
1595.00	H	-55.55	1.58	-53.97	-13.00	-40.97
2127.00	H	-58.95	2.72	-56.23	-13.00	-43.23
2512.00	H	-37.78	4.94	-32.85	-13.00	-19.85
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 850 / TX / CH 251 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-56.95	1.60	-55.35	-13.00	-42.35
1700.00	V	-54.55	1.65	-52.90	-13.00	-39.90
2547.00	V	-40.75	5.02	-35.74	-13.00	-22.74
N/A						
1595.00	H	-55.72	1.58	-54.14	-13.00	-41.14
1700.00	H	-55.98	1.68	-54.30	-13.00	-41.30
2547.00	H	-37.42	4.98	-32.43	-13.00	-19.43
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GSM 1900 / TX / CH 512 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
5550.00	V	-55.13	8.19	-46.94	-13.00	-33.94
N/A						
5550.00	H	-52.62	10.21	-42.41	-13.00	-29.41
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GSM 1900 / TX / CH 661 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3758.00	V	-58.56	7.81	-50.75	-13.00	-37.75
5641.00	V	-51.21	8.23	-42.97	-13.00	-29.97
N/A						
3758.00	H	-60.38	6.83	-53.55	-13.00	-40.55
5641.00	H	-55.85	9.93	-45.92	-13.00	-32.92
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GSM 1900 / TX / CH 810 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
5732.00	V	-54.19	8.27	-45.92	-13.00	-32.92
N/A						
3821.00	H	-59.80	6.95	-52.85	-13.00	-39.85
5732.00	H	-51.92	9.65	-42.27	-13.00	-29.27
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 1900 / TX / CH 512 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3702.00	V	-60.77	7.57	-53.20	-13.00	-40.20
5550.00	V	-54.74	8.19	-46.55	-13.00	-33.55
N/A						
3702.00	H	-58.12	6.71	-51.40	-13.00	-38.40
5550.00	H	-54.41	10.21	-44.21	-13.00	-31.21
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 1900 / TX / CH 661 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3758.00	V	-56.18	7.81	-48.36	-13.00	-35.36
5641.00	V	-52.86	8.23	-44.63	-13.00	-31.63
N/A						
3758.00	H	-59.29	6.83	-52.47	-13.00	-39.47
5641.00	H	-50.41	9.93	-40.48	-13.00	-27.48
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 1900 / TX / CH 810 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3821.00	V	-60.95	8.09	-52.86	-13.00	-39.86
5732.00	V	-55.34	8.27	-47.06	-13.00	-34.06
N/A						
3821.00	H	-58.37	6.95	-51.42	-13.00	-38.42
5732.00	H	-52.47	9.65	-42.81	-13.00	-29.81
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 850 / TX / CH 128 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-57.83	1.60	-56.23	-13.00	-43.23
2470.00	V	-53.20	4.75	-48.45	-13.00	-35.45
N/A						
1595.00	H	-55.62	1.58	-54.04	-13.00	-41.04
2127.00	H	-59.84	2.72	-57.12	-13.00	-44.12
2470.00	H	-50.76	4.74	-46.02	-13.00	-33.02
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 850 / TX / CH 190 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1602.00	V	-57.78	1.60	-56.18	-13.00	-43.18
2134.00	V	-59.58	2.63	-56.95	-13.00	-43.95
2512.00	V	-53.35	4.96	-48.39	-13.00	-35.39
N/A						
1595.00	H	-55.47	1.58	-53.88	-13.00	-40.88
2127.00	H	-59.51	2.72	-56.79	-13.00	-43.79
2512.00	H	-50.05	4.94	-45.11	-13.00	-32.11
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 850 / TX / CH 251 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-56.35	1.60	-54.74	-13.00	-41.74
2967.00	V	-60.88	5.72	-55.16	-13.00	-42.16
N/A						
1595.00	H	-56.55	1.58	-54.97	-13.00	-41.97
2127.00	H	-59.57	2.72	-56.85	-13.00	-43.85
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 1900 / TX / CH 512 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
5319.00	V	-61.13	8.41	-52.72	-13.00	-39.72
N/A						
5550.00	H	-58.18	10.21	-47.97	-13.00	-34.97
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 1900 / TX / CH 661 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3758.00	V	-61.39	7.81	-53.57	-13.00	-40.57
5641.00	V	-59.26	8.23	-51.02	-13.00	-38.02
N/A						
3758.00	H	-61.63	6.83	-54.81	-13.00	-41.81
5641.00	H	-54.30	9.93	-44.37	-13.00	-31.37
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 1900 / TX / CH 810 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
5732.00	V	-61.12	8.27	-52.85	-13.00	-39.85
N/A						
3821.00	H	-58.72	6.95	-51.77	-13.00	-38.77
5732.00	H	-57.87	9.65	-48.22	-13.00	-35.22
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band II / TX / CH 9262 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3702.00	V	-58.20	7.57	-50.63	-13.00	-37.63
N/A						
3702.00	H	-52.87	6.71	-46.16	-13.00	-33.16
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band II / TX / CH 9400 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3765.00	V	-59.70	7.85	-51.85	-13.00	-38.85
N/A						
3758.00	H	-54.44	6.83	-47.61	-13.00	-34.61
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band II / TX / CH 9538 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3814.00	V	-61.27	8.06	-53.21	-13.00	-40.21
N/A						
3821.00	H	-59.31	6.95	-52.36	-13.00	-39.36
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band V / TX / CH 4132 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1329.00	V	-58.58	0.86	-57.72	-13.00	-44.72
1602.00	V	-56.83	1.60	-55.23	-13.00	-42.23
2127.00	V	-59.94	2.58	-57.36	-13.00	-44.36
2477.00	V	-52.79	4.79	-48.00	-13.00	-35.00
N/A						
1595.00	H	-55.53	1.58	-53.95	-13.00	-40.95
2127.00	H	-58.67	2.72	-55.95	-13.00	-42.95
2477.00	H	-50.86	4.78	-46.08	-13.00	-33.08
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band V / TX / CH 4183 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1602.00	V	-56.64	1.60	-55.03	-13.00	-42.03
2127.00	V	-60.14	2.58	-57.55	-13.00	-44.55
2512.00	V	-52.36	4.96	-47.40	-13.00	-34.40
N/A						
1595.00	H	-54.75	1.58	-53.17	-13.00	-40.17
2512.00	H	-48.86	4.94	-43.92	-13.00	-30.92
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band V / TX / CH 4233 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1602.00	V	-56.60	1.60	-54.99	-13.00	-41.99
2134.00	V	-59.39	2.63	-56.76	-13.00	-43.76
2540.00	V	-53.16	5.01	-48.15	-13.00	-35.15
N/A						
1595.00	H	-56.89	1.58	-55.31	-13.00	-42.31
2127.00	H	-58.39	2.72	-55.67	-13.00	-42.67
2547.00	H	-51.68	4.98	-46.69	-13.00	-33.69
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band II / TX / CH 9262 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3702.00	V	-56.05	7.57	-48.48	-13.00	-35.48
N/A						
3702.00	H	-50.14	6.71	-43.43	-13.00	-30.43
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band II / TX / CH 9400 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3758.00	V	-54.19	6.83	-47.37	-13.00	-34.37
N/A						
3758.00	H	-58.22	7.81	-50.40	-13.00	-37.40
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band II / TX / CH 9538 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3814.00	V	-58.51	6.94	-51.57	-13.00	-38.57
N/A						
3821.00	H	-60.43	8.09	-52.34	-13.00	-39.34
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band V / TX / CH 4132 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-56.17	1.60	-54.57	-13.00	-41.57
2134.00	V	-59.13	2.63	-56.50	-13.00	-43.50
2484.00	V	-52.66	4.84	-47.82	-13.00	-34.82
N/A						
1595.00	H	-55.20	1.58	-53.61	-13.00	-40.61
1686.00	H	-58.97	1.67	-57.30	-13.00	-44.30
2127.00	H	-58.58	2.72	-55.86	-13.00	-42.86
2484.00	H	-51.09	4.83	-46.27	-13.00	-33.27
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band V / TX / CH 4183 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-56.88	1.60	-55.27	-13.00	-42.27
2512.00	V	-50.90	4.96	-45.94	-13.00	-32.94
N/A						
1595.00	H	-55.54	1.58	-53.96	-13.00	-40.96
2134.00	H	-59.33	2.76	-56.57	-13.00	-43.57
2512.00	H	-47.26	4.94	-42.32	-13.00	-29.32
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band V / TX / CH 4233 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1602.00	V	-53.77	1.60	-52.17	-13.00	-39.17
2540.00	V	-52.44	5.01	-47.43	-13.00	-34.43
N/A						
1595.00	H	-55.64	1.58	-54.06	-13.00	-41.06
2127.00	H	-58.14	2.72	-55.42	-13.00	-42.42
2540.00	H	-49.15	4.97	-44.17	-13.00	-31.17
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band II / TX / CH 9262 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3709.00	V	-58.24	7.60	-50.64	-13.00	-37.64
5557.00	V	-59.86	8.20	-51.67	-13.00	-38.67
N/A						
2288.00	H	-60.01	3.67	-56.34	-13.00	-43.34
3702.00	H	-52.37	6.71	-45.66	-13.00	-32.66
5557.00	H	-59.58	10.19	-49.39	-13.00	-36.39
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band II / TX / CH 9400 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3758.00	V	-59.38	7.81	-51.57	-13.00	-38.57
5634.00	V	-59.20	8.23	-50.98	-13.00	-37.98
N/A						
3758.00	H	-54.60	6.83	-47.78	-13.00	-34.78
5641.00	H	-55.69	9.93	-45.76	-13.00	-32.76
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band II / TX / CH 9538 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
5725.00	V	-58.69	8.27	-50.42	-13.00	-37.42
N/A						
3821.00	H	-58.09	6.95	-51.13	-13.00	-38.13
5725.00	H	-55.78	9.67	-46.10	-13.00	-33.10
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band V / TX / CH 4132 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-53.67	1.60	-52.07	-13.00	-39.07
2127.00	V	-55.78	2.58	-53.19	-13.00	-40.19
2477.00	V	-51.93	4.79	-47.14	-13.00	-34.14
N/A						
1595.00	H	-53.98	1.58	-52.40	-13.00	-39.40
2127.00	H	-57.88	2.72	-55.16	-13.00	-42.16
2477.00	H	-52.24	4.78	-47.45	-13.00	-34.45
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band V / TX / CH 4183 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-57.58	1.60	-55.98	-13.00	-42.98
2134.00	V	-59.81	2.63	-57.18	-13.00	-44.18
2512.00	V	-55.95	4.96	-50.99	-13.00	-37.99
N/A						
1595.00	H	-55.68	1.58	-54.09	-13.00	-41.09
1812.00	H	-59.64	1.79	-57.85	-13.00	-44.85
2127.00	H	-59.16	2.72	-56.44	-13.00	-43.44
2512.00	H	-52.06	4.94	-47.13	-13.00	-34.13
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band V / TX / CH 4233 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-56.46	1.60	-54.86	-13.00	-41.86
1917.00	V	-56.31	1.74	-54.57	-13.00	-41.57
2127.00	V	-58.08	2.58	-55.50	-13.00	-42.50
N/A						
1595.00	H	-56.23	1.58	-54.65	-13.00	-41.65
2127.00	H	-58.82	2.72	-56.10	-13.00	-43.10
2498.00	H	-60.32	4.91	-55.41	-13.00	-42.41
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

7.6 RADIATED RECEIVER SPURIOUS EMISSIONS

LIMIT

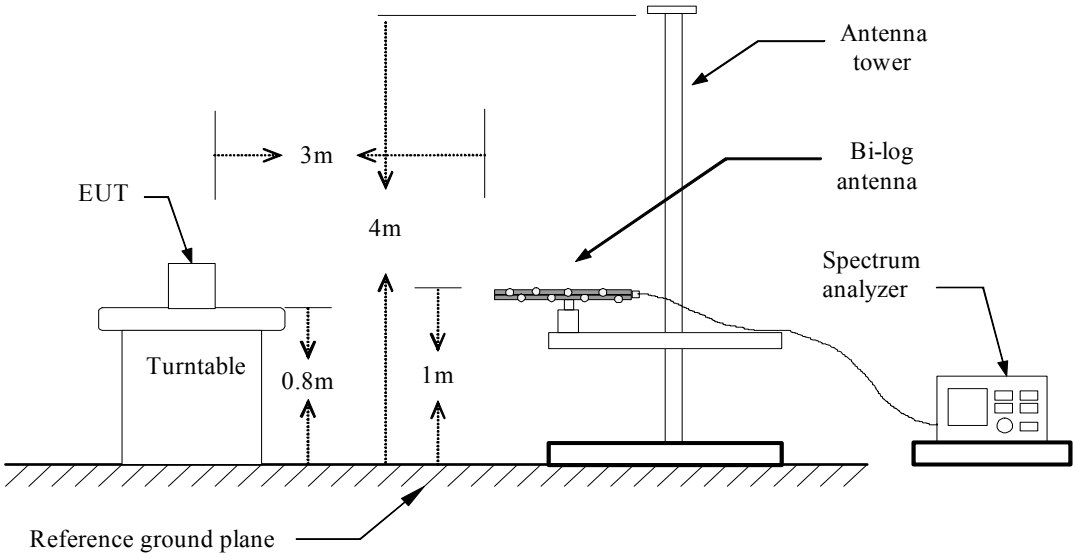
According to RSS-132 (4.6) & RSS-133 (6.7).

If a radiated measurement is made, all spurious emissions shall comply with the limits of Table below. The resolution bandwidth of the spectrum analyzer shall be 100 kHz for spurious emissions measurements below 1.0 GHz, and 1.0 MHz for measurements above 1.0 GHz.

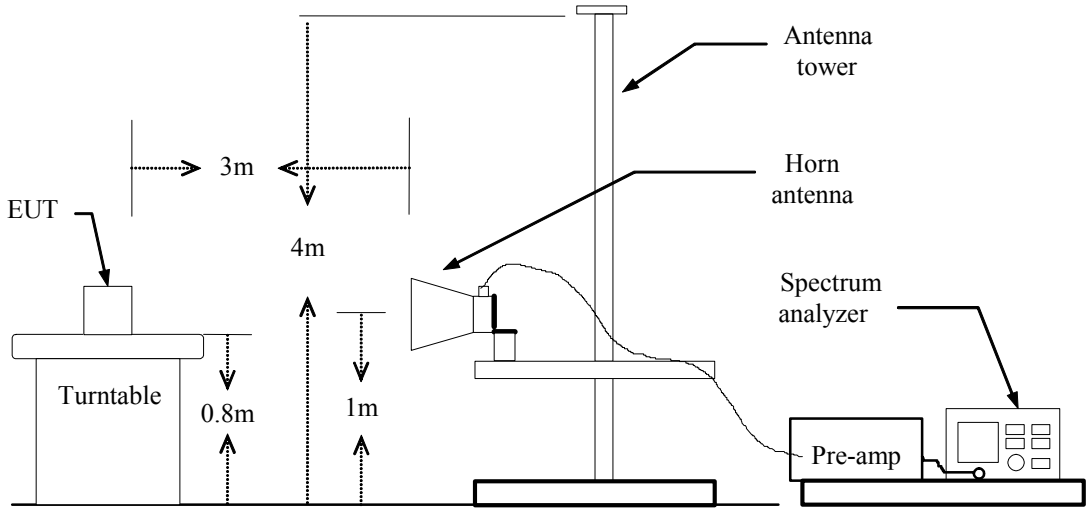
Spurious Frequency (MHz)	Field Strength (microvolts/m at 3 metres)
30-88	100
88-216	150
216-960	200
Above 960	500

Test Configuration

Below 1 GHz



Above 1 GHz



TEST PROCEDURE

The search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (local oscillator frequency, intermediate frequency or carrier frequency), or 30 MHz, whichever is the higher, to at least 3 times the highest tunable and local oscillator frequencies.

TEST RESULTS

No non-compliance noted.

Radiated Spurious Emission Measurement Result / Below 1GHz

Operation Mode: GSM 850 / RX / CH 190 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
130.88	V	-47.71	-12.84	-60.55	-13.00	-47.55
302.57	V	-47.81	-12.42	-60.23	-13.00	-47.23
453.89	V	-57.27	-9.02	-66.29	-13.00	-53.29
532.46	V	-58.79	-7.51	-66.30	-13.00	-53.30
799.21	V	-52.47	-4.44	-56.91	-13.00	-43.91
967.99	V	-60.43	-2.47	-62.90	-13.00	-49.90
130.88	H	-48.98	-14.44	-63.41	-13.00	-50.41
302.57	H	-47.69	-13.06	-60.74	-13.00	-47.74
379.20	H	-58.06	-11.44	-69.50	-13.00	-56.50
393.75	H	-60.08	-10.74	-70.82	-13.00	-57.82
453.89	H	-59.38	-8.99	-68.37	-13.00	-55.37
796.30	H	-53.43	-4.44	-57.86	-13.00	-44.86

Remark:

1. *The emission behaviour belongs to narrowband spurious emission.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 850 / RX / CH 190 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
130.88	V	-47.53	-12.84	-60.37	-13.00	-47.37
303.54	V	-47.50	-12.44	-59.94	-13.00	-46.94
452.92	V	-57.52	-9.04	-66.56	-13.00	-53.56
533.43	V	-58.27	-7.49	-65.77	-13.00	-52.77
799.21	V	-51.97	-4.44	-56.41	-13.00	-43.41
967.99	V	-60.65	-2.47	-63.12	-13.00	-50.12
130.88	H	-47.75	-14.44	-62.19	-13.00	-49.19
302.57	H	-47.65	-13.06	-60.70	-13.00	-47.70
452.92	H	-58.23	-9.00	-67.23	-13.00	-54.23
754.59	H	-63.55	-5.03	-68.57	-13.00	-55.57
796.30	H	-54.42	-4.44	-58.86	-13.00	-45.86
967.02	H	-60.76	-2.69	-63.45	-13.00	-50.45

Remark:

1. *The emission behaviour belongs to narrowband spurious emission.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GSM 1900 / RX / CH 661 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.98	-18.85	-61.83	-13.00	-48.83
303.54	V	-46.70	-12.44	-59.13	-13.00	-46.13
379.20	V	-58.05	-11.83	-69.87	-13.00	-56.87
532.46	V	-58.66	-7.51	-66.17	-13.00	-53.17
590.66	V	-61.29	-7.07	-68.37	-13.00	-55.37
796.30	V	-52.74	-4.46	-57.20	-13.00	-44.20
209.45	H	-55.73	-14.06	-69.80	-13.00	-56.80
302.57	H	-47.28	-13.06	-60.34	-13.00	-47.34
327.79	H	-55.72	-13.16	-68.88	-13.00	-55.88
379.20	H	-57.88	-11.44	-69.31	-13.00	-56.31
533.43	H	-60.60	-7.77	-68.37	-13.00	-55.37
799.21	H	-53.50	-4.46	-57.96	-13.00	-44.96

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 1900 / RX / CH 661 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.97	V	-43.76	-18.26	-62.02	-13.00	-49.02
287.05	V	-50.48	-11.63	-62.11	-13.00	-49.11
302.57	V	-46.77	-12.42	-59.18	-13.00	-46.18
530.52	V	-57.45	-7.54	-64.99	-13.00	-51.99
743.92	V	-62.64	-5.20	-67.84	-13.00	-54.84
796.30	V	-52.77	-4.46	-57.24	-13.00	-44.24
208.48	H	-55.97	-13.84	-69.81	-13.00	-56.81
302.57	H	-48.14	-13.06	-61.20	-13.00	-48.20
327.79	H	-54.96	-13.16	-68.12	-13.00	-55.12
379.20	H	-58.25	-11.44	-69.69	-13.00	-56.69
532.46	H	-60.03	-7.77	-67.80	-13.00	-54.80
799.21	H	-53.31	-4.46	-57.77	-13.00	-44.77

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 850 / RX / CH 190 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.31	-18.85	-61.16	-13.00	-48.16
130.88	V	-48.67	-12.84	-61.52	-13.00	-48.52
303.54	V	-44.52	-12.44	-56.95	-13.00	-43.95
530.52	V	-56.92	-7.54	-64.46	-13.00	-51.46
745.86	V	-57.85	-5.18	-63.03	-13.00	-50.03
796.30	V	-52.07	-4.46	-56.53	-13.00	-43.53
130.88	H	-49.37	-14.44	-63.81	-13.00	-50.81
205.57	H	-54.51	-13.17	-67.67	-13.00	-54.67
302.57	H	-45.22	-13.06	-58.28	-13.00	-45.28
378.23	H	-55.02	-11.47	-66.49	-13.00	-53.49
533.43	H	-58.77	-7.77	-66.53	-13.00	-53.53
796.30	H	-52.72	-4.44	-57.15	-13.00	-44.15

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 1900 / RX / CH 661 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.97	V	-43.55	-18.26	-61.81	-13.00	-48.81
302.57	V	-46.04	-12.42	-58.46	-13.00	-45.46
379.20	V	-57.68	-11.83	-69.51	-13.00	-56.51
532.46	V	-57.92	-7.51	-65.43	-13.00	-52.43
591.63	V	-60.50	-7.07	-67.56	-13.00	-54.56
796.30	V	-51.60	-4.46	-56.06	-13.00	-43.06
205.57	H	-56.50	-13.17	-69.66	-13.00	-56.66
302.57	H	-47.27	-13.06	-60.33	-13.00	-47.33
530.52	H	-60.69	-7.78	-68.47	-13.00	-55.47
547.01	H	-60.91	-7.59	-68.50	-13.00	-55.50
753.62	H	-63.02	-5.05	-68.07	-13.00	-55.07
796.30	H	-53.47	-4.44	-57.91	-13.00	-44.91

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band II / RX / CH 9400 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-28.07	-18.85	-46.92	-13.00	-33.92
303.54	V	-47.53	-12.44	-59.97	-13.00	-46.97
379.20	V	-55.94	-11.83	-67.77	-13.00	-54.77
532.46	V	-59.24	-7.51	-66.75	-13.00	-53.75
799.21	V	-51.44	-4.44	-55.89	-13.00	-42.89
815.70	V	-62.66	-4.07	-66.74	-13.00	-53.74
30.97	H	-31.45	-19.20	-50.65	-13.00	-37.65
303.54	H	-47.10	-13.06	-60.16	-13.00	-47.16
379.20	H	-57.26	-11.44	-68.70	-13.00	-55.70
533.43	H	-59.39	-7.77	-67.16	-13.00	-54.16
663.41	H	-60.89	-5.92	-66.81	-13.00	-53.81
799.21	H	-54.64	-4.46	-59.10	-13.00	-46.10

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band V / RX / CH 4183 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-44.63	-18.85	-63.49	-13.00	-50.49
86.26	V	-51.26	-20.28	-71.54	-13.00	-58.54
302.57	V	-49.14	-12.42	-61.56	-13.00	-48.56
378.23	V	-59.50	-11.84	-71.33	-13.00	-58.33
533.43	V	-61.26	-7.49	-68.76	-13.00	-55.76
799.21	V	-54.75	-4.44	-59.20	-13.00	-46.20
302.57	H	-48.40	-13.06	-61.45	-13.00	-48.45
379.20	H	-57.55	-11.44	-68.99	-13.00	-55.99
533.43	H	-60.29	-7.77	-68.05	-13.00	-55.05
590.66	H	-61.75	-6.96	-68.70	-13.00	-55.70
754.59	H	-63.45	-5.03	-68.48	-13.00	-55.48
796.30	H	-54.45	-4.44	-58.89	-13.00	-45.89

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band II / RX / CH 9400 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.97	V	-44.78	-18.26	-63.04	-13.00	-50.04
302.57	V	-47.23	-12.42	-59.65	-13.00	-46.65
379.20	V	-57.41	-11.83	-69.24	-13.00	-56.24
533.43	V	-58.87	-7.49	-66.36	-13.00	-53.36
665.35	V	-62.67	-6.11	-68.78	-13.00	-55.78
799.21	V	-53.95	-4.44	-58.39	-13.00	-45.39
30.97	H	-24.84	-19.20	-44.04	-13.00	-31.04
302.57	H	-47.63	-13.06	-60.69	-13.00	-47.69
533.43	H	-60.96	-7.77	-68.73	-13.00	-55.73
663.41	H	-63.30	-5.92	-69.22	-13.00	-56.22
753.62	H	-65.42	-5.05	-70.47	-13.00	-57.47
799.21	H	-55.55	-4.46	-60.01	-13.00	-47.01

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band V / RX / CH 4183 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-42.09	-18.85	-60.94	-13.00	-47.94
302.57	V	-48.05	-12.42	-60.46	-13.00	-47.46
379.20	V	-57.60	-11.83	-69.43	-13.00	-56.43
533.43	V	-60.50	-7.49	-68.00	-13.00	-55.00
601.33	V	-63.02	-6.95	-69.97	-13.00	-56.97
666.32	V	-63.15	-6.09	-69.24	-13.00	-56.24
32.91	H	-39.81	-17.31	-57.11	-13.00	-44.11
303.54	H	-46.37	-13.06	-59.43	-13.00	-46.43
379.20	H	-56.91	-11.44	-68.35	-13.00	-55.35
533.43	H	-59.78	-7.77	-67.54	-13.00	-54.54
590.66	H	-61.39	-6.96	-68.35	-13.00	-55.35
665.35	H	-61.83	-5.93	-67.76	-13.00	-54.76

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band II / RX / CH 9400 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
32.91	V	-42.18	-17.07	-59.26	-13.00	-46.26
302.57	V	-47.55	-12.42	-59.96	-13.00	-46.96
533.43	V	-56.07	-7.49	-63.56	-13.00	-50.56
663.41	V	-62.33	-6.13	-68.47	-13.00	-55.47
799.21	V	-54.52	-4.44	-58.97	-13.00	-45.97
824.43	V	-60.67	-3.97	-64.65	-13.00	-51.65
200.72	H	-54.46	-12.05	-66.51	-13.00	-53.51
303.54	H	-48.79	-13.06	-61.86	-13.00	-48.86
533.43	H	-58.06	-7.77	-65.83	-13.00	-52.83
590.66	H	-61.48	-6.96	-68.43	-13.00	-55.43
664.38	H	-62.94	-5.93	-68.87	-13.00	-55.87
799.21	H	-52.50	-4.46	-56.95	-13.00	-43.95

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band V / RX / CH 4183 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
30.00	V	-44.09	-18.85	-62.94	-13.00	-49.94
167.74	V	-55.65	-13.51	-69.16	-13.00	-56.16
303.54	V	-49.47	-12.44	-61.91	-13.00	-48.91
464.56	V	-60.73	-8.75	-69.48	-13.00	-56.48
531.49	V	-55.69	-7.52	-63.22	-13.00	-50.22
796.30	V	-55.90	-4.46	-60.36	-13.00	-47.36
198.78	H	-54.66	-12.09	-66.75	-13.00	-53.75
303.54	H	-47.89	-13.06	-60.95	-13.00	-47.95
379.20	H	-59.14	-11.44	-70.58	-13.00	-57.58
533.43	H	-58.59	-7.77	-66.36	-13.00	-53.36
730.34	H	-64.06	-5.53	-69.59	-13.00	-56.59
799.21	H	-53.65	-4.46	-58.11	-13.00	-45.11

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Above 1GHz

Operation Mode: GSM 850 / RX / CH 190 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1672.00	V	-56.49	1.64	-54.86	-13.00	-41.86
2512.00	V	-33.19	4.96	-28.23	-13.00	-15.23
4185.00	V	-57.94	8.77	-49.17	-13.00	-36.17
N/A						
1595.00	H	-56.46	1.58	-54.88	-13.00	-41.88
1672.00	H	-54.33	1.66	-52.68	-13.00	-39.68
2127.00	H	-58.60	2.72	-55.88	-13.00	-42.88
2512.00	H	-36.73	4.94	-31.79	-13.00	-18.79
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 850 / RX / CH 190 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-55.69	1.60	-54.09	-13.00	-41.09
1672.00	V	-57.52	1.64	-55.89	-13.00	-42.89
2512.00	V	-39.69	4.96	-34.73	-13.00	-21.73
N/A						
1385.00	H	-58.55	1.06	-57.50	-13.00	-44.50
1595.00	H	-55.55	1.58	-53.97	-13.00	-40.97
2127.00	H	-58.95	2.72	-56.23	-13.00	-43.23
2512.00	H	-37.78	4.94	-32.85	-13.00	-19.85
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GSM 1900 / RX / CH 661 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3758.00	V	-58.56	7.81	-50.75	-13.00	-37.75
5641.00	V	-51.21	8.23	-42.97	-13.00	-29.97
N/A						
3758.00	H	-60.38	6.83	-53.55	-13.00	-40.55
5641.00	H	-55.85	9.93	-45.92	-13.00	-32.92
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: GPRS 1900 / RX / CH 661 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization	Reading level (dBuV)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3758.00	V	-56.18	7.81	-48.36	-13.00	-35.36
5641.00	V	-52.86	8.23	-44.63	-13.00	-31.63
N/A						
3758.00	H	-59.29	6.83	-52.47	-13.00	-39.47
5641.00	H	-50.41	9.93	-40.48	-13.00	-27.48
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 850 / RX / CH 190 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1602.00	V	-57.78	1.60	-56.18	-13.00	-43.18
2134.00	V	-59.58	2.63	-56.95	-13.00	-43.95
2512.00	V	-53.35	4.96	-48.39	-13.00	-35.39
N/A						
1595.00	H	-55.47	1.58	-53.88	-13.00	-40.88
2127.00	H	-59.51	2.72	-56.79	-13.00	-43.79
2512.00	H	-50.05	4.94	-45.11	-13.00	-32.11
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: EDGE 1900 / RX / CH 661 **Test Date:** December 23, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3758.00	V	-61.39	7.81	-53.57	-13.00	-40.57
5641.00	V	-59.26	8.23	-51.02	-13.00	-38.02
N/A						
3758.00	H	-61.63	6.83	-54.81	-13.00	-41.81
5641.00	H	-54.30	9.93	-44.37	-13.00	-31.37
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band II / RX / CH 9400 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3765.00	V	-59.70	7.85	-51.85	-13.00	-38.85
N/A						
3758.00	H	-54.44	6.83	-47.61	-13.00	-34.61
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA Band V / RX / CH 4183 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1602.00	V	-56.64	1.60	-55.03	-13.00	-42.03
2127.00	V	-60.14	2.58	-57.55	-13.00	-44.55
2512.00	V	-52.36	4.96	-47.40	-13.00	-34.40
N/A						
1595.00	H	-54.75	1.58	-53.17	-13.00	-40.17
2512.00	H	-48.86	4.94	-43.92	-13.00	-30.92
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band II / RX / CH 9400 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3758.00	V	-54.19	6.83	-47.37	-13.00	-34.37
N/A						
3758.00	H	-58.22	7.81	-50.40	-13.00	-37.40
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSDPA Band V / RX / CH 4183 **Test Date:** December 22, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-56.88	1.60	-55.27	-13.00	-42.27
2512.00	V	-50.90	4.96	-45.94	-13.00	-32.94
N/A						
1595.00	H	-55.54	1.58	-53.96	-13.00	-40.96
2134.00	H	-59.33	2.76	-56.57	-13.00	-43.57
2512.00	H	-47.26	4.94	-42.32	-13.00	-29.32
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band II / RX / CH 9400 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
3758.00	V	-59.38	7.81	-51.57	-13.00	-38.57
5634.00	V	-59.20	8.23	-50.98	-13.00	-37.98
N/A						
3758.00	H	-54.60	6.83	-47.78	-13.00	-34.78
5641.00	H	-55.69	9.93	-45.76	-13.00	-32.76
N/A						

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

Operation Mode: WCDMA / HSUPA Band V / RX / CH 4183 **Test Date:** December 24, 2008

Temperature: 25°C **Tested by:** Mark Yang

Humidity: 50 % RH **Polarity:** Ver. / Hor.

Frequency (MHz)	Antenna Polarization (V/H)	Reading (dBm)	Correction Factor (dB)	Emission level (dBm)	Limit (dBm)	Margin (dB)
1595.00	V	-57.58	1.60	-55.98	-13.00	-42.98
2134.00	V	-59.81	2.63	-57.18	-13.00	-44.18
2512.00	V	-55.95	4.96	-50.99	-13.00	-37.99
N/A						
1595.00	H	-55.68	1.58	-54.09	-13.00	-41.09
1812.00	H	-59.64	1.79	-57.85	-13.00	-44.85
2127.00	H	-59.16	2.72	-56.44	-13.00	-43.44
2512.00	H	-52.06	4.94	-47.13	-13.00	-34.13
N/A						

Remark:

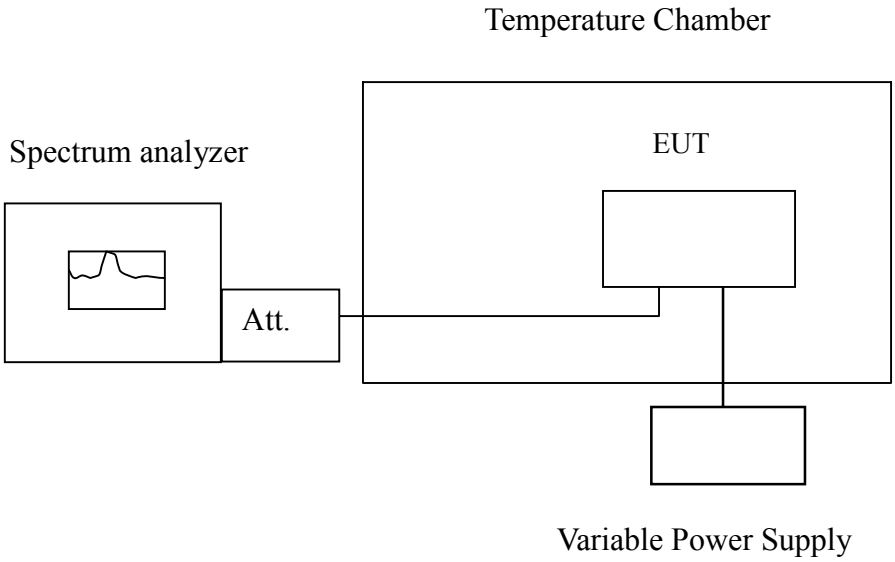
1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*

7.7 FREQUENCY STABILITY V.S. TEMPERATURE MEASUREMENT

LIMIT

According to FCC §2.1055, FCC §24.235, RSS-132 (4.3) & RSS-133 (6.3).
Frequency Tolerance: 2.5 ppm

Test Configuration



Remark: *Measurement setup for testing on Antenna connector.*

TEST PROCEDURE

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to –30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

TEST RESULTS

Not Applicable.

Testing was performed by CETECOM ICT Services GmbH accredited by DAR (registration number: DAT-P-176/94-D1)

Results: *Complied –refer to attachment 4, Aegis test report number: 4-2918-01-02/07-E, FCC 47 CFR Part 22 Subpart H & Part 24 Subpart E with FCC ID: VV7-MBMF3507G-L and RSS-132 Issue 2 & RSS-133 Issue 4 with IC No. 287AG-MBMF3507G.*

7.8 FREQUENCY STABILITY V.S. VOLTAGE MEASUREMENT

LIMIT

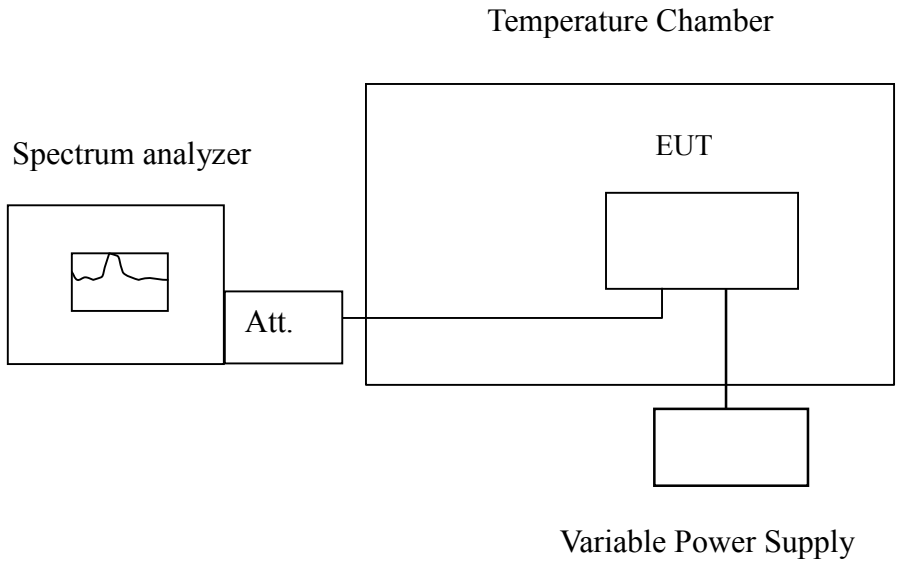
According to FCC §2.1055, FCC §24.235,

Frequency Tolerance: 2.5 ppm.

According to RSS-132 (4.3) & RSS-133 (6.3).

The carrier frequency shall not depart from the reference frequency in excess of ±2.5 ppm for mobile stations and ±1.0 ppm for base stations.

Test Configuration



Remark: *Measurement setup for testing on Antenna connector.*

TEST PROCEDURE

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.
Reduce the input voltage to specify extreme voltage variation (± 15%) and endpoint, record the maximum frequency change.

TEST RESULTS

Not Applicable.

Testing was performed by CETECOM ICT Services GmbH accredited by DAR (registration number: DAT-P-176/94-D1)

Results: *Complied –refer to attachment 4, Aegis test report number: 4-2918-01-02/07-E, FCC 47 CFR Part 22 Subpart H & Part 24 Subpart E with FCC ID: VV7-MBMF3507G-L and RSS-132 Issue 2 & RSS-133 Issue 4 with IC No. 287AG-MBMF3507G.*

7.9 POWERLINE CONDUCTED EMISSIONS

LIMIT

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dBµV)	
	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

Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line (LINE and NEUTRAL) and ground at the power terminals.

Test Configuration

See test photographs attached in Appendix I for the actual connections between EUT and support equipment.

TEST 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.

TEST RESULTS

The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.

Operation Mode:	Normal Link	**Test Date:**	January 16, 2009
Temperature:	22°C	**Tested by:**	Eddy Chung
Humidity:	45% RH		

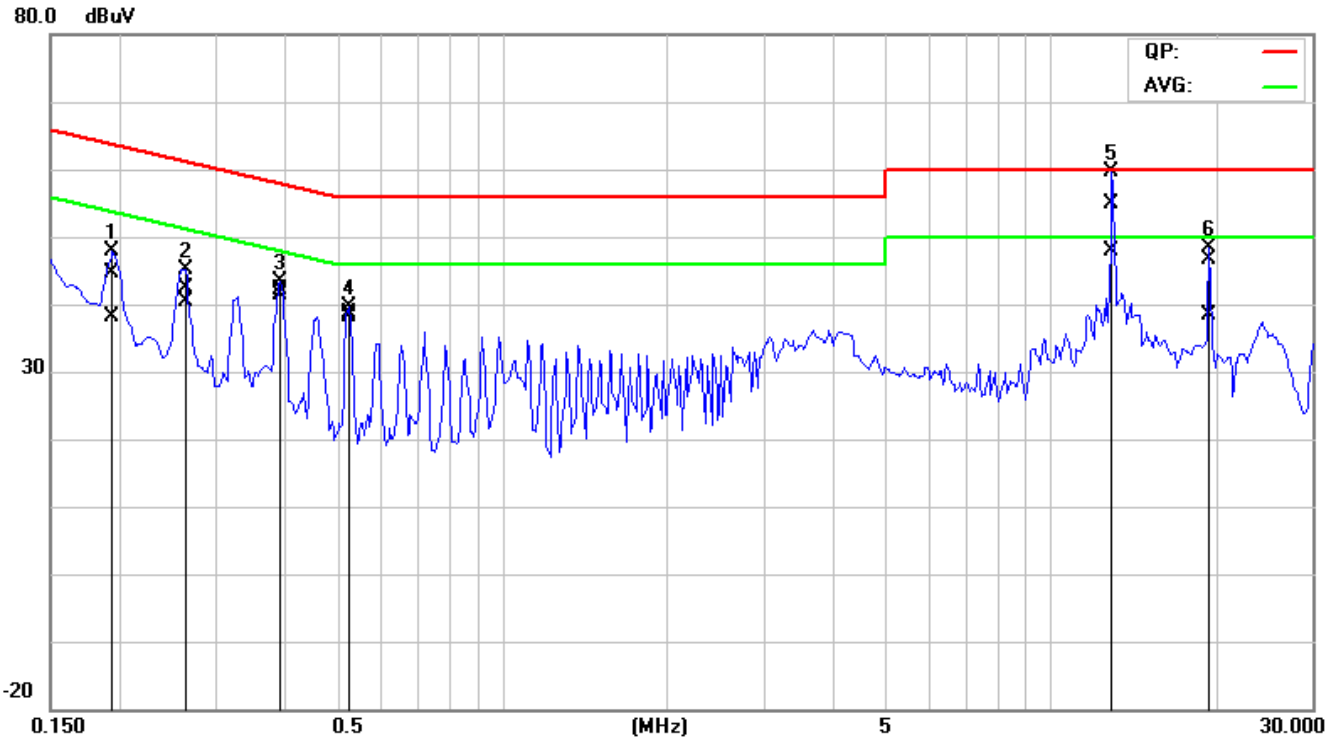
Frequency (MHz)	QP Reading (dBuV)	AV Reading (dBuV)	Corr. factor (dB)	QP Result (dBuV)	AV Result (dBuV)	QP Limit (dBuV)	AV Limit (dBuV)	QP Margin (dB)	AV Margin (dB)	Note
0.1949	44.44	38.04	0.16	44.60	38.20	63.82	53.83	-19.22	-15.63	L1
0.2649	42.17	40.27	0.13	42.30	40.40	61.27	51.28	-18.97	-10.88	L1
0.3950	42.02	41.42	0.08	42.10	41.50	57.96	47.96	-15.86	-6.46	L1
0.5250	38.57	38.07	0.03	38.60	38.10	56.00	46.00	-17.40	-7.90	L1
12.9700	54.19	47.19	0.61	54.80	47.80	60.00	50.00	-5.20	-2.20	L1
19.4300	45.90	37.60	0.70	46.60	38.30	60.00	50.00	-13.40	-11.70	L1
0.1950	43.25	36.95	0.15	43.40	37.10	63.82	53.82	-20.42	-16.72	L2
0.2600	44.77	40.57	0.13	44.90	40.70	61.43	51.43	-16.53	-10.73	L2
0.3950	41.93	41.03	0.07	42.00	41.10	57.96	47.96	-15.96	-6.86	L2
0.4600	39.05	37.05	0.05	39.10	37.10	56.69	46.69	-17.59	-9.59	L2
12.9700	55.38	47.28	0.62	56.00	47.90	60.00	50.00	-4.00	-2.10	L2
19.4300	48.12	39.72	0.78	48.90	40.50	60.00	50.00	-11.10	-9.50	L2

Remark:

1. *Measuring frequencies from 0.15 MHz to 30MHz.*
2. *The emissions measured in frequency range from 0.15 MHz to 30MHz were made with an instrument using Quasi-peak detector and average detector.*
3. *The IF bandwidth of SPA between 0.15MHz to 30MHz was 10kHz; the IF bandwidth of Test Receiver between 0.15MHz to 30MHz was 9kHz;*
4. *L1 = Line One (Live Line) / L2 = Line Two (Neutral Line)*

Test Plots

Conducted emissions (Line 1)



Conducted emissions (Line 2)