



**FCC 47 CFR PART 22 SUBPART H, PART 24 SUBPART E and Part 27
(Class II Permissive Change)**

TEST REPORT

For

HSPA Module

Model: EM770U

Trade Name: Huawei

Issued to

**Huawei Technologies Co.,Ltd
Bantian, Longgang District , Shenzhen, China**

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@ccsrf.com**



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1. TEST RESULT CERTIFICATION

Applicant: Huawei Technologies Co.,Ltd
Bantian, Longgang District , Shenzhen, China

Equipment Under Test: HSPA Module

Trade Name: Huawei

Model Number: EM770U

Date of Test: November 11 ~ December 24, 2009

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 22 Subpart H & Part 24 Subpart E	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: 2004 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rule FCC PART 22 Subpart H and PART 24 Subpart E.

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

Approved by:

Reviewed by:

Rex Lai
Section Manager
Compliance Certification Services Inc.

Gina Lo
Section Manager
Compliance Certification Services Inc.



2. EUT DESCRIPTION

Product	HSPA Module
Trade Name	Huawei
Model Number	EM770U
Model Discrepancy	N/A
Power Supply	Powered by host device
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: 869 ~ 894 MHz MHz WCDMA Band IV: 1712.4MHz –1752.6MHz
Modulation Technique	GSM: GMSK GPRS: GMSK EDGE: 8PSK WCDMA: QPSK
Antenna Gain	GSM / GPRS / EDGE 850 MHz: 0.8 dBi GSM / GPRS / EDGE 1900 MHz: 0.6 dBi WCDMA band II: 0.5 dBi WCDMA band V: 0.5 dBi WCDMA Band IV: 0.5 dBi
Antenna Type	PIFA Antenna
Class II Permissive Change	Add portable category for the Lenovo Bixby platform Product name: Notebook Computer / Brand name: lenovo Model: 20039xxxx, 0647xxxx (x=0~9 , A~Z or blank) Marketing Name: IdeaPad S10-3

Remark:

1. The sample selected for test was engineering sample that approximated to production product and was provided by manufacturer.
2. This submittal(s) (test report) is intended for FCC ID: **QISEM770U** filing to comply with Part 22 and Part 24 of the FCC 47 CFR Rules.



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, PART 22 SUBPART H, PART 24 SUBPART E and Part 27.

3.1 EUT CONFIGURATION

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

3.2 EUT EXERCISE

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

3.3 GENERAL 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: 2003. 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: 2003.



3.4 DESCRIPTION OF TEST MODES

The EUT (model: EM770U) had been tested under operating condition.

Test program used to control the EUT for staying in continuous transmitting mode was programmed.

Software used to control the EUT for 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 only.

GSM / GPRS / EDGE 850:

Channel Low (CH128), Channel Mid (CH190) and Channel High (CH251) were chosen for full testing.

GSM / GPRS / EDGE 1900:

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 / HSDPA Band II:

Channel Low (CH9262), Channel Mid (CH9400) and Channel High (CH9538) 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 Band V:

Channel Low (CH4132), Channel Mid (CH4182) and Channel High (CH4233) 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 V:

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

WCDMA IV:

Channel Low (CH1312), Channel Mid (CH1412) and Channel High (CH1513) were chosen for full testing.

WCDMA / HSDPA IV:

Channel Low (CH1312), Channel Mid (CH1412) and Channel High (CH1513) were chosen for full testing.

WCDMA / HSUPA IV:

Channel Low (CH1312), Channel Mid (CH1412) and Channel High (CH1513) 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.

3M Semi Anechoic Chamber				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Spectrum Analyzer	Agilent	E4446A	US42510252	09/09/2010
Test Receiver	Rohde & Schwarz	ESCI	100064	11/29/2010
Switch Controller	TRC	Switch Controller	SC94050010	05/02/2010
4 Port Switch	TRC	4 Port Switch	SC94050020	05/02/2010
Horn-Antenna	TRC	HA-0502	06	06/03/2010
Horn-Antenna	TRC	HA-0801	04	06/18/2010
Bilog- Antenna	Sunol Sciences	JB3	A030205	03/27/2010
Loop Antenna	EMCO	6502	8905/2356	05/28/2010
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	04/23/2010
S.G.	HP	83630B	3844A01022	04/16/2010
Substituted Dipole	Schwazbeck	VHAP/UHAP	998 +999/ 981+982	06/08/2010
Substituted Horn	EMCO	3115	00022257	12/15/2010
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	11/17/2010
Two-Line V-Network 9kHz-30MHz	Schaffner	NNB41	03/10013	06/10/2010
LISN 10kHz-100MHz	EMCO	3825/2	9106-1809	04/08/2010
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

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."

5.3 TABLE 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	
Canada	Industry Canada	3M Semi Anechoic Chamber (IC 2324G-1 / IC 2324G-2) to perform	 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	Samsung	710V	GS17H9NXA05864E	FCC DoC	VGA Cable: Shielded, 1.8m with two cores	AC I/P: Unshielded, 1.8m DC O/P: Unshielded, 1.8m with a core
2	USB Mouse	Logitech	M-UAG96B	HC8500L	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 2.0 External HDD	TeraSyS	F12-U	A0100214-43b0006	FCC DoC	Shielded, 1.8m	N/A
5	USB 2.0 External HDD	TeraSyS	F12-U	A0100214-43b0007	FCC DoC	Shielded, 1.8m	N/A
6	SIM Card	N/A	N/A	N/A	N/A	N/A	N/A
7	Universal Radio Communication Tester (Remote)	R&S	CMU200	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 & PART 27 REQUIREMENTS

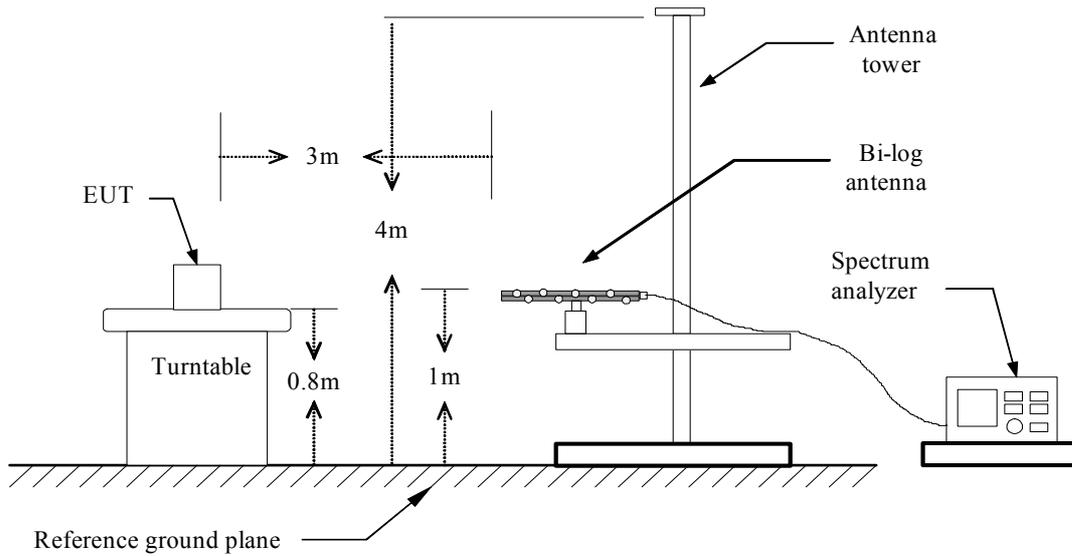
7.1 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

LIMIT

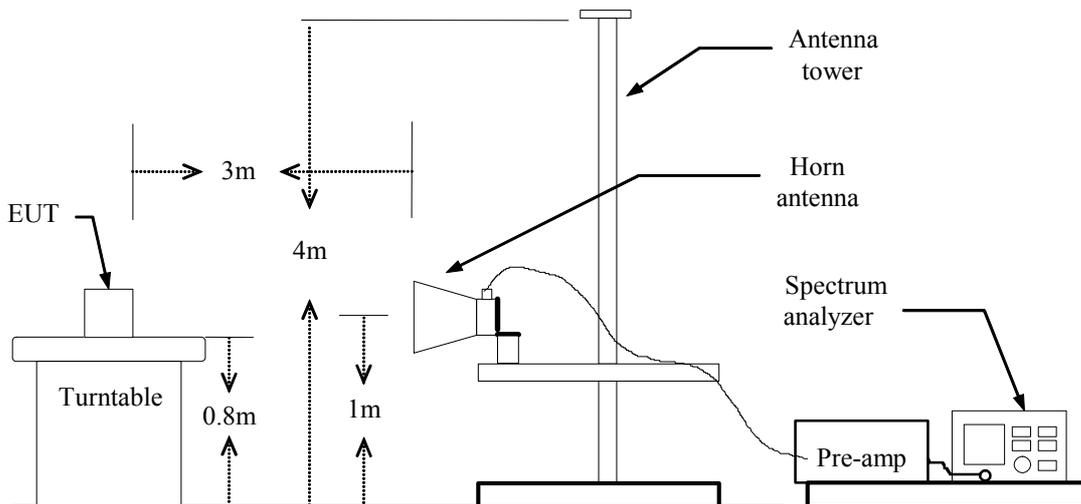
According to FCC §2.1053

Test Configuration

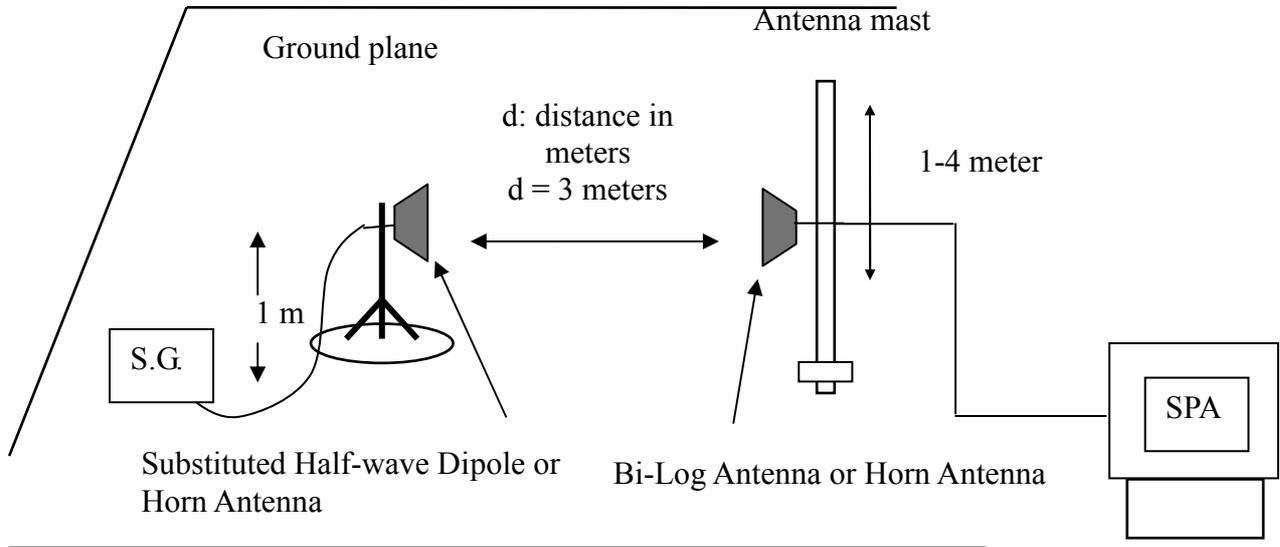
Below 1 GHz



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.

$$ERP = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable (dB)}$$

$$EIRP = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable (dB)}$$

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: November 11, 2009

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)
239.52	V	-54.87	-14.01	-68.88	-13.00	-55.88
299.66	V	-55.49	-13.51	-69.00	-13.00	-56.00
398.60	V	-56.40	-11.28	-67.68	-13.00	-54.68
512.09	V	-60.41	-8.19	-68.61	-13.00	-55.61
604.24	V	-59.93	-7.32	-67.24	-13.00	-54.24
705.12	V	-56.31	-6.12	-62.43	-13.00	-49.43
43.58	H	-54.12	-10.80	-64.93	-13.00	-51.93
99.84	H	-46.78	-17.49	-64.27	-13.00	-51.27
232.73	H	-53.78	-14.27	-68.05	-13.00	-55.05
299.66	H	-53.82	-13.97	-67.79	-13.00	-54.79
407.33	H	-55.40	-10.63	-66.03	-13.00	-53.03
700.27	H	-55.53	-6.20	-61.73	-13.00	-48.73

Remark:

- The emission behaviour belongs to narrowband spurious emission.*
- 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: November 11, 2009

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)
43.58	V	-52.58	-12.36	-64.93	-13.00	-51.93
132.82	V	-57.46	-12.50	-69.96	-13.00	-56.96
165.80	V	-56.79	-13.94	-70.72	-13.00	-57.72
239.52	V	-56.12	-14.01	-70.13	-13.00	-57.13
299.66	V	-55.33	-13.51	-68.83	-13.00	-55.83
705.12	V	-55.95	-6.12	-62.07	-13.00	-49.07
43.58	H	-53.62	-10.80	-64.42	-13.00	-51.42
232.73	H	-53.68	-14.27	-67.95	-13.00	-54.95
319.06	H	-56.39	-13.60	-69.99	-13.00	-56.99
431.58	H	-60.01	-10.12	-70.12	-13.00	-57.12
497.54	H	-61.56	-8.30	-69.86	-13.00	-56.86
700.27	H	-55.60	-6.20	-61.80	-13.00	-48.80

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: November 11, 2009

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)
43.58	V	-53.08	-12.36	-65.44	-13.00	-52.44
132.82	V	-57.08	-12.50	-69.58	-13.00	-56.58
298.69	V	-55.37	-13.33	-68.70	-13.00	-55.70
600.36	V	-56.34	-7.47	-63.81	-13.00	-50.81
700.27	V	-56.50	-6.21	-62.71	-13.00	-49.71
748.77	V	-62.17	-5.69	-67.86	-13.00	-54.86
43.58	H	-54.55	-10.80	-65.35	-13.00	-52.35
166.77	H	-58.81	-13.91	-72.73	-13.00	-59.73
232.73	H	-54.51	-14.27	-68.78	-13.00	-55.78
298.69	H	-55.43	-13.86	-69.29	-13.00	-56.29
600.36	H	-61.00	-7.28	-68.28	-13.00	-55.28
700.27	H	-54.54	-6.20	-60.74	-13.00	-47.74

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: November 11, 2009

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)
43.58	V	-52.27	-12.36	-64.62	-13.00	-51.62
99.84	V	-47.42	-17.68	-65.10	-13.00	-52.10
132.82	V	-56.73	-12.50	-69.23	-13.00	-56.23
407.33	V	-56.58	-10.89	-67.47	-13.00	-54.47
599.39	V	-59.99	-7.49	-67.48	-13.00	-54.48
700.27	V	-55.78	-6.21	-61.99	-13.00	-48.99
43.58	H	-54.27	-10.80	-65.07	-13.00	-52.07
99.84	H	-46.64	-17.49	-64.13	-13.00	-51.13
232.73	H	-53.01	-14.27	-67.28	-13.00	-54.28
398.60	H	-55.41	-11.02	-66.43	-13.00	-53.43
682.81	H	-59.76	-6.12	-65.88	-13.00	-52.88
701.24	H	-55.32	-6.20	-61.51	-13.00	-48.51

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: November 11, 2009

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)
42.61	V	-53.24	-12.35	-65.60	-13.00	-52.60
132.82	V	-56.98	-12.50	-69.48	-13.00	-56.48
239.52	V	-55.92	-14.01	-69.94	-13.00	-56.94
298.69	V	-54.34	-13.33	-67.67	-13.00	-54.67
605.21	V	-59.18	-7.28	-66.46	-13.00	-53.46
700.27	V	-55.12	-6.21	-61.33	-13.00	-48.33
43.58	H	-54.35	-10.80	-65.16	-13.00	-52.16
232.73	H	-53.75	-14.27	-68.02	-13.00	-55.02
320.03	H	-56.29	-13.58	-69.87	-13.00	-56.87
431.58	H	-59.61	-10.12	-69.73	-13.00	-56.73
604.24	H	-64.19	-7.16	-71.35	-13.00	-58.35
705.12	H	-55.31	-6.19	-61.50	-13.00	-48.50

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: November 11, 2009

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)
43.58	V	-53.57	-12.36	-65.93	-13.00	-52.93
132.82	V	-57.32	-12.50	-69.82	-13.00	-56.82
169.68	V	-57.29	-14.01	-71.30	-13.00	-58.30
332.64	V	-55.51	-13.53	-69.04	-13.00	-56.04
605.21	V	-59.30	-7.28	-66.58	-13.00	-53.58
700.27	V	-57.38	-6.21	-63.59	-13.00	-50.59
43.58	H	-55.35	-10.80	-66.15	-13.00	-53.15
239.52	H	-54.48	-14.21	-68.69	-13.00	-55.69
299.66	H	-54.06	-13.97	-68.03	-13.00	-55.03
398.60	H	-60.24	-11.02	-71.26	-13.00	-58.26
431.58	H	-60.25	-10.12	-70.36	-13.00	-57.36
705.12	H	-52.50	-6.19	-58.69	-13.00	-45.69

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: November 11, 2009

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)
43.58	V	-53.77	-12.36	-66.13	-13.00	-53.13
132.82	V	-56.95	-12.50	-69.46	-13.00	-56.46
299.66	V	-54.55	-13.51	-68.06	-13.00	-55.06
604.24	V	-58.97	-7.32	-66.29	-13.00	-53.29
700.27	V	-55.31	-6.21	-61.53	-13.00	-48.53
750.71	V	-63.17	-5.68	-68.86	-13.00	-55.86
43.58	H	-54.88	-10.80	-65.69	-13.00	-52.69
232.73	H	-54.07	-14.27	-68.34	-13.00	-55.34
299.66	H	-55.45	-13.97	-69.42	-13.00	-56.42
431.58	H	-59.15	-10.12	-69.27	-13.00	-56.27
600.36	H	-62.53	-7.28	-69.81	-13.00	-56.81
705.12	H	-52.85	-6.19	-59.04	-13.00	-46.04

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: November 11, 2009

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)
43.58	V	-53.40	-12.36	-65.75	-13.00	-52.75
240.49	V	-55.41	-14.02	-69.44	-13.00	-56.44
299.66	V	-54.96	-13.51	-68.47	-13.00	-55.47
605.21	V	-58.94	-7.28	-66.22	-13.00	-53.22
705.12	V	-56.16	-6.12	-62.29	-13.00	-49.29
748.77	V	-62.68	-5.69	-68.37	-13.00	-55.37
43.58	H	-54.34	-10.80	-65.15	-13.00	-52.15
232.73	H	-53.61	-14.27	-67.88	-13.00	-54.88
323.91	H	-56.39	-13.56	-69.95	-13.00	-56.95
431.58	H	-59.86	-10.12	-69.98	-13.00	-56.98
601.33	H	-61.92	-7.25	-69.17	-13.00	-56.17
705.12	H	-55.68	-6.19	-61.87	-13.00	-48.87

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: November 11, 2009

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)
42.61	V	-53.36	-12.35	-65.71	-13.00	-52.71
165.80	V	-56.41	-13.94	-70.35	-13.00	-57.35
299.66	V	-54.40	-13.51	-67.90	-13.00	-54.90
600.36	V	-59.28	-7.47	-66.75	-13.00	-53.75
705.12	V	-55.21	-6.12	-61.33	-13.00	-48.33
748.77	V	-61.77	-5.69	-67.46	-13.00	-54.46
43.58	H	-54.95	-10.80	-65.75	-13.00	-52.75
232.73	H	-54.03	-14.27	-68.30	-13.00	-55.30
298.69	H	-55.33	-13.86	-69.19	-13.00	-56.19
431.58	H	-59.70	-10.12	-69.82	-13.00	-56.82
604.24	H	-62.14	-7.16	-69.30	-13.00	-56.30
705.12	H	-55.03	-6.19	-61.22	-13.00	-48.22

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: November 11, 2009

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)
43.58	V	-53.00	-12.36	-65.36	-13.00	-52.36
132.82	V	-57.17	-12.50	-69.68	-13.00	-56.68
165.80	V	-57.12	-13.94	-71.05	-13.00	-58.05
239.52	V	-55.94	-14.01	-69.95	-13.00	-56.95
290.93	V	-56.65	-11.91	-68.56	-13.00	-55.56
705.12	V	-56.63	-6.12	-62.76	-13.00	-49.76
43.58	H	-54.80	-10.80	-65.61	-13.00	-52.61
165.80	H	-59.74	-13.95	-73.69	-13.00	-60.69
232.73	H	-54.35	-14.27	-68.62	-13.00	-55.62
431.58	H	-59.88	-10.12	-70.00	-13.00	-57.00
604.24	H	-64.38	-7.16	-71.54	-13.00	-58.54
705.12	H	-53.43	-6.19	-59.62	-13.00	-46.62

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: November 11, 2009

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)
43.58	V	-52.92	-12.36	-65.27	-13.00	-52.27
132.82	V	-57.11	-12.50	-69.62	-13.00	-56.62
239.52	V	-56.04	-14.01	-70.06	-13.00	-57.06
299.66	V	-55.36	-13.51	-68.87	-13.00	-55.87
604.24	V	-57.51	-7.32	-64.82	-13.00	-51.82
700.27	V	-54.63	-6.21	-60.84	-13.00	-47.84
43.58	H	-54.20	-10.80	-65.00	-13.00	-52.00
232.73	H	-54.11	-14.27	-68.38	-13.00	-55.38
322.94	H	-56.22	-13.57	-69.78	-13.00	-56.78
431.58	H	-59.80	-10.12	-69.92	-13.00	-56.92
601.33	H	-61.57	-7.25	-68.82	-13.00	-55.82
705.12	H	-53.92	-6.19	-60.11	-13.00	-47.11

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: GPRS 1900 / TX / CH 810

Test Date: November 11, 2009

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)
43.58	V	-52.32	-12.36	-64.68	-13.00	-51.68
132.82	V	-56.51	-12.50	-69.01	-13.00	-56.01
299.66	V	-54.76	-13.51	-68.27	-13.00	-55.27
604.24	V	-58.78	-7.32	-66.10	-13.00	-53.10
700.27	V	-56.03	-6.21	-62.25	-13.00	-49.25
748.77	V	-61.28	-5.69	-66.98	-13.00	-53.98
43.58	H	-54.86	-10.80	-65.66	-13.00	-52.66
232.73	H	-54.01	-14.27	-68.28	-13.00	-55.28
431.58	H	-60.17	-10.12	-70.29	-13.00	-57.29
497.54	H	-62.70	-8.30	-71.00	-13.00	-58.00
604.24	H	-63.25	-7.16	-70.41	-13.00	-57.41
700.27	H	-57.20	-6.20	-63.40	-13.00	-50.40

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: November 11, 2009

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)
42.61	V	-52.26	-12.35	-64.61	-13.00	-51.61
132.82	V	-53.51	-12.50	-66.02	-13.00	-53.02
171.62	V	-55.44	-14.07	-69.51	-13.00	-56.51
332.64	V	-54.12	-13.53	-67.65	-13.00	-54.65
600.36	V	-57.58	-7.47	-65.05	-13.00	-52.05
701.24	V	-56.68	-6.20	-62.87	-13.00	-49.87
43.58	H	-54.77	-10.80	-65.57	-13.00	-52.57
99.84	H	-46.97	-17.49	-64.45	-13.00	-51.45
232.73	H	-53.40	-14.27	-67.66	-13.00	-54.66
399.57	H	-55.49	-10.96	-66.44	-13.00	-53.44
682.81	H	-61.03	-6.12	-67.16	-13.00	-54.16
701.24	H	-55.38	-6.20	-61.58	-13.00	-48.58

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: November 11, 2009

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)
43.58	V	-51.35	-12.36	-63.71	-13.00	-50.71
132.82	V	-53.47	-12.50	-65.97	-13.00	-52.97
239.52	V	-53.33	-14.01	-67.34	-13.00	-54.34
290.93	V	-55.39	-11.91	-67.30	-13.00	-54.30
604.24	V	-58.37	-7.32	-65.69	-13.00	-52.69
705.12	V	-54.60	-6.12	-60.73	-13.00	-47.73
43.58	H	-52.29	-10.80	-63.09	-13.00	-50.09
232.73	H	-51.40	-14.27	-65.67	-13.00	-52.67
431.58	H	-57.03	-10.12	-67.15	-13.00	-54.15
498.51	H	-59.84	-8.28	-68.12	-13.00	-55.12
605.21	H	-61.64	-7.13	-68.78	-13.00	-55.78
700.27	H	-51.48	-6.20	-57.68	-13.00	-44.68

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: November 11, 2009

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)
43.58	V	-49.33	-12.36	-61.69	-13.00	-48.69
290.93	V	-52.52	-11.91	-64.43	-13.00	-51.43
499.48	V	-59.23	-8.38	-67.61	-13.00	-54.61
604.24	V	-54.43	-7.32	-61.74	-13.00	-48.74
705.12	V	-53.79	-6.12	-59.91	-13.00	-46.91
748.77	V	-57.99	-5.69	-63.68	-13.00	-50.68
43.58	H	-52.37	-10.80	-63.17	-13.00	-50.17
166.77	H	-55.96	-13.91	-69.87	-13.00	-56.87
232.73	H	-51.02	-14.27	-65.29	-13.00	-52.29
299.66	H	-52.37	-13.97	-66.34	-13.00	-53.34
603.27	H	-60.31	-7.19	-67.50	-13.00	-54.50
703.18	H	-54.10	-6.19	-60.29	-13.00	-47.29

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: November 11, 2009

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)
43.58	V	-53.52	-12.36	-65.88	-13.00	-52.88
299.66	V	-55.20	-13.51	-68.71	-13.00	-55.71
499.48	V	-63.79	-8.38	-72.18	-13.00	-59.18
602.30	V	-59.85	-7.39	-67.24	-13.00	-54.24
700.27	V	-55.67	-6.21	-61.88	-13.00	-48.88
748.77	V	-63.00	-5.69	-68.69	-13.00	-55.69
43.58	H	-54.28	-10.80	-65.08	-13.00	-52.08
166.77	H	-56.99	-13.91	-70.90	-13.00	-57.90
232.73	H	-54.02	-14.27	-68.29	-13.00	-55.29
299.66	H	-55.95	-13.97	-69.92	-13.00	-56.92
600.36	H	-61.89	-7.28	-69.17	-13.00	-56.17
705.12	H	-54.64	-6.19	-60.83	-13.00	-47.83

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: November 11, 2009

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)
43.58	V	-54.52	-12.36	-66.88	-13.00	-53.88
132.82	V	-57.45	-12.50	-69.95	-13.00	-56.95
240.49	V	-55.34	-14.02	-69.36	-13.00	-56.36
600.36	V	-58.44	-7.47	-65.90	-13.00	-52.90
700.27	V	-55.60	-6.21	-61.82	-13.00	-48.82
748.77	V	-63.13	-5.69	-68.82	-13.00	-55.82
44.55	H	-54.91	-10.88	-65.79	-13.00	-52.79
165.80	H	-57.58	-13.95	-71.53	-13.00	-58.53
232.73	H	-53.35	-14.27	-67.62	-13.00	-54.62
431.58	H	-59.53	-10.12	-69.65	-13.00	-56.65
600.36	H	-64.02	-7.28	-71.30	-13.00	-58.30
705.12	H	-53.09	-6.19	-59.28	-13.00	-46.28

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: November 11, 2009

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)
43.58	V	-53.99	-12.36	-66.35	-13.00	-53.35
132.82	V	-56.51	-12.50	-69.01	-13.00	-56.01
299.66	V	-54.50	-13.51	-68.01	-13.00	-55.01
332.64	V	-54.57	-13.53	-68.10	-13.00	-55.10
604.24	V	-58.34	-7.32	-65.66	-13.00	-52.66
705.12	V	-55.24	-6.12	-61.36	-13.00	-48.36
43.58	H	-56.01	-10.80	-66.82	-13.00	-53.82
232.73	H	-53.56	-14.27	-67.83	-13.00	-54.83
322.94	H	-56.12	-13.57	-69.69	-13.00	-56.69
498.51	H	-61.77	-8.28	-70.05	-13.00	-57.05
600.36	H	-62.81	-7.28	-70.09	-13.00	-57.09
705.12	H	-56.60	-6.19	-62.79	-13.00	-49.79

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: November 11, 2009

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)
290.93	V	-55.65	-11.91	-67.56	-13.00	-54.56
353.01	V	-54.64	-13.00	-67.64	-13.00	-54.64
431.58	V	-54.28	-10.17	-64.45	-13.00	-51.45
527.61	V	-58.84	-8.04	-66.88	-13.00	-53.88
603.27	V	-58.01	-7.35	-65.36	-13.00	-52.36
706.09	V	-56.86	-6.10	-62.97	-13.00	-49.97
171.62	H	-57.36	-13.83	-71.20	-13.00	-58.20
298.69	H	-56.58	-13.86	-70.44	-13.00	-57.44
431.58	H	-55.38	-10.12	-65.50	-13.00	-52.50
527.61	H	-61.24	-8.11	-69.35	-13.00	-56.35
623.64	H	-64.91	-6.62	-71.53	-13.00	-58.53
705.12	H	-59.78	-6.19	-65.97	-13.00	-52.97

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: November 11, 2009

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)
43.58	V	-58.51	-12.36	-70.87	-13.00	-57.87
290.93	V	-55.69	-11.91	-67.60	-13.00	-54.60
431.58	V	-54.03	-10.17	-64.20	-13.00	-51.20
527.61	V	-58.97	-8.04	-67.01	-13.00	-54.01
605.21	V	-60.79	-7.28	-68.07	-13.00	-55.07
706.09	V	-58.17	-6.10	-64.28	-13.00	-51.28
44.55	H	-58.29	-10.88	-69.18	-13.00	-56.18
171.62	H	-57.38	-13.83	-71.21	-13.00	-58.21
402.48	H	-59.17	-10.83	-70.00	-13.00	-57.00
431.58	H	-55.41	-10.12	-65.53	-13.00	-52.53
527.61	H	-61.47	-8.11	-69.58	-13.00	-56.58
706.09	H	-60.69	-6.19	-66.87	-13.00	-53.87

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: November 11, 2009

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)
42.61	V	-57.29	-12.35	-69.64	-13.00	-56.64
290.93	V	-55.51	-11.91	-67.42	-13.00	-54.42
431.58	V	-54.77	-10.17	-64.94	-13.00	-51.94
527.61	V	-58.81	-8.04	-66.86	-13.00	-53.86
602.30	V	-59.40	-7.39	-66.79	-13.00	-53.79
703.18	V	-57.22	-6.16	-63.38	-13.00	-50.38
43.58	H	-58.61	-10.80	-69.41	-13.00	-56.41
169.68	H	-56.95	-13.79	-70.74	-13.00	-57.74
403.45	H	-58.38	-10.79	-69.17	-13.00	-56.17
431.58	H	-55.36	-10.12	-65.48	-13.00	-52.48
527.61	H	-60.69	-8.11	-68.80	-13.00	-55.80
703.18	H	-60.98	-6.19	-67.17	-13.00	-54.17

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 Band V / TX / CH 4132

Test Date: November 11, 2009

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)
42.61	V	-59.28	-12.35	-71.63	-13.00	-58.63
298.69	V	-54.76	-13.33	-68.09	-13.00	-55.09
431.58	V	-55.40	-10.17	-65.57	-13.00	-52.57
527.61	V	-59.35	-8.04	-67.39	-13.00	-54.39
604.24	V	-60.01	-7.32	-67.32	-13.00	-54.32
703.18	V	-59.00	-6.16	-65.16	-13.00	-52.16
42.61	H	-60.38	-10.72	-71.10	-13.00	-58.10
102.75	H	-55.77	-16.90	-72.67	-13.00	-59.67
169.68	H	-57.12	-13.79	-70.92	-13.00	-57.92
431.58	H	-55.69	-10.12	-65.80	-13.00	-52.80
527.61	H	-61.84	-8.11	-69.94	-13.00	-56.94
706.09	H	-62.16	-6.19	-68.34	-13.00	-55.34

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 Band V / TX / CH 4182

Test Date: November 11, 2009

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)
42.61	V	-56.87	-12.35	-69.22	-13.00	-56.22
299.66	V	-54.12	-13.51	-67.63	-13.00	-54.63
431.58	V	-54.80	-10.17	-64.97	-13.00	-51.97
527.61	V	-58.55	-8.04	-66.59	-13.00	-53.59
603.27	V	-59.85	-7.35	-67.20	-13.00	-54.20
706.09	V	-57.39	-6.10	-63.49	-13.00	-50.49
45.52	H	-59.08	-11.23	-70.31	-13.00	-57.31
171.62	H	-57.72	-13.83	-71.56	-13.00	-58.56
431.58	H	-56.04	-10.12	-66.15	-13.00	-53.15
527.61	H	-60.92	-8.11	-69.02	-13.00	-56.02
623.64	H	-65.13	-6.62	-71.75	-13.00	-58.75
706.09	H	-59.70	-6.19	-65.89	-13.00	-52.89

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: November 11, 2009

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)
43.58	V	-57.35	-12.36	-69.71	-13.00	-56.71
299.66	V	-54.18	-13.51	-67.69	-13.00	-54.69
431.58	V	-54.60	-10.17	-64.77	-13.00	-51.77
527.61	V	-59.16	-8.04	-67.20	-13.00	-54.20
605.21	V	-60.68	-7.28	-67.96	-13.00	-54.96
703.18	V	-56.19	-6.16	-62.35	-13.00	-49.35
43.58	H	-59.57	-10.80	-70.38	-13.00	-57.38
290.93	H	-57.87	-12.99	-70.86	-13.00	-57.86
402.48	H	-60.34	-10.83	-71.16	-13.00	-58.16
431.58	H	-56.34	-10.12	-66.46	-13.00	-53.46
527.61	H	-61.12	-8.11	-69.22	-13.00	-56.22
703.18	H	-60.72	-6.19	-66.91	-13.00	-53.91

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 / HSDPA Band II / TX / CH 9262

Test Date: November 11, 2009

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)
42.61	V	-57.60	-12.35	-69.95	-13.00	-56.95
299.66	V	-54.51	-13.51	-68.01	-13.00	-55.01
431.58	V	-53.93	-10.17	-64.10	-13.00	-51.10
527.61	V	-58.82	-8.04	-66.86	-13.00	-53.86
602.30	V	-58.74	-7.39	-66.13	-13.00	-53.13
703.18	V	-56.77	-6.16	-62.93	-13.00	-49.93
44.55	H	-57.46	-10.88	-68.34	-13.00	-55.34
171.62	H	-57.55	-13.83	-71.39	-13.00	-58.39
289.96	H	-56.77	-12.89	-69.66	-13.00	-56.66
431.58	H	-55.93	-10.12	-66.04	-13.00	-53.04
527.61	H	-61.04	-8.11	-69.15	-13.00	-56.15
705.12	H	-60.21	-6.19	-66.40	-13.00	-53.40

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: November 11, 2009

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)
289.96	V	-56.16	-11.74	-67.91	-13.00	-54.91
431.58	V	-53.86	-10.17	-64.03	-13.00	-51.03
527.61	V	-58.56	-8.04	-66.60	-13.00	-53.60
604.24	V	-59.35	-7.32	-66.67	-13.00	-53.67
703.18	V	-57.26	-6.16	-63.42	-13.00	-50.42
815.70	V	-64.79	-4.63	-69.42	-13.00	-56.42
42.61	H	-57.33	-10.72	-68.06	-13.00	-55.06
289.96	H	-56.63	-12.89	-69.52	-13.00	-56.52
403.45	H	-57.85	-10.79	-68.63	-13.00	-55.63
431.58	H	-55.77	-10.12	-65.89	-13.00	-52.89
527.61	H	-60.74	-8.11	-68.85	-13.00	-55.85
703.18	H	-60.08	-6.19	-66.27	-13.00	-53.27

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 / HSDPA Band II / TX / CH 9538

Test Date: November 11, 2009

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)
289.96	V	-55.87	-11.74	-67.61	-13.00	-54.61
431.58	V	-54.70	-10.17	-64.87	-13.00	-51.87
527.61	V	-58.60	-8.04	-66.64	-13.00	-53.64
603.27	V	-57.69	-7.35	-65.05	-13.00	-52.05
703.18	V	-56.16	-6.16	-62.32	-13.00	-49.32
815.70	V	-64.58	-4.63	-69.21	-13.00	-56.21
42.61	H	-59.46	-10.72	-70.19	-13.00	-57.19
171.62	H	-57.87	-13.83	-71.70	-13.00	-58.70
298.69	H	-56.95	-13.86	-70.81	-13.00	-57.81
431.58	H	-55.94	-10.12	-66.06	-13.00	-53.06
527.61	H	-61.59	-8.11	-69.70	-13.00	-56.70
703.18	H	-60.44	-6.19	-66.63	-13.00	-53.63

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: November 11, 2009

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)
42.61	V	-52.82	-12.35	-65.17	-13.00	-52.17
132.82	V	-61.48	-12.50	-73.98	-13.00	-60.98
170.65	V	-57.98	-14.04	-72.02	-13.00	-59.02
240.49	V	-57.03	-14.02	-71.05	-13.00	-58.05
298.69	V	-56.76	-13.33	-70.09	-13.00	-57.09
499.48	V	-63.73	-8.38	-72.12	-13.00	-59.12
45.52	H	-54.18	-11.23	-65.41	-13.00	-52.41
107.60	H	-59.69	-15.96	-75.64	-13.00	-62.64
239.52	H	-56.10	-14.21	-70.32	-13.00	-57.32
298.69	H	-58.13	-13.86	-72.00	-13.00	-59.00
431.58	H	-61.82	-10.12	-71.94	-13.00	-58.94
498.51	H	-64.06	-8.28	-72.35	-13.00	-59.35

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.



Operation Mode: WCDMA / HSDPA Band V / TX / CH 4182

Test Date: November 11, 2009

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)
43.58	V	-51.98	-12.36	-64.34	-13.00	-51.34
132.82	V	-58.48	-12.50	-70.98	-13.00	-57.98
170.65	V	-56.56	-14.04	-70.61	-13.00	-57.61
240.49	V	-56.81	-14.02	-70.84	-13.00	-57.84
299.66	V	-55.58	-13.51	-69.08	-13.00	-56.08
332.64	V	-56.92	-13.53	-70.45	-13.00	-57.45
42.61	H	-53.66	-10.72	-64.38	-13.00	-51.38
171.62	H	-60.40	-13.83	-74.23	-13.00	-61.23
240.49	H	-56.88	-14.23	-71.11	-13.00	-58.11
299.66	H	-57.40	-13.97	-71.37	-13.00	-58.37
431.58	H	-59.83	-10.12	-69.95	-13.00	-56.95
499.48	H	-61.60	-8.27	-69.87	-13.00	-56.87

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: November 11, 2009

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)
43.58	V	-52.01	-12.36	-64.37	-13.00	-51.37
132.82	V	-59.17	-12.50	-71.68	-13.00	-58.68
169.68	V	-56.17	-14.01	-70.18	-13.00	-57.18
239.52	V	-56.32	-14.01	-70.33	-13.00	-57.33
298.69	V	-54.76	-13.33	-68.09	-13.00	-55.09
331.67	V	-57.74	-13.53	-71.27	-13.00	-58.27
43.58	H	-53.45	-10.80	-64.25	-13.00	-51.25
174.53	H	-60.14	-13.93	-74.07	-13.00	-61.07
240.49	H	-56.22	-14.23	-70.45	-13.00	-57.45
298.69	H	-57.57	-13.86	-71.44	-13.00	-58.44
431.58	H	-61.29	-10.12	-71.40	-13.00	-58.40
497.54	H	-61.66	-8.30	-69.96	-13.00	-56.96

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: WCDMA / HSUPA Band II / TX / CH 9262

Test Date: November 11, 2009

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)
290.93	V	-55.24	-11.91	-67.15	-13.00	-54.15
353.01	V	-56.30	-13.00	-69.31	-13.00	-56.31
431.58	V	-54.76	-10.17	-64.93	-13.00	-51.93
527.61	V	-58.68	-8.04	-66.73	-13.00	-53.73
603.27	V	-59.96	-7.35	-67.31	-13.00	-54.31
703.18	V	-57.23	-6.16	-63.39	-13.00	-50.39
42.61	H	-58.57	-10.72	-69.29	-13.00	-56.29
171.62	H	-56.90	-13.83	-70.73	-13.00	-57.73
289.96	H	-57.37	-12.89	-70.26	-13.00	-57.26
431.58	H	-55.58	-10.12	-65.70	-13.00	-52.70
527.61	H	-60.89	-8.11	-68.99	-13.00	-55.99
706.09	H	-60.65	-6.19	-66.84	-13.00	-53.84

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: WCDMA / HSUPA Band II / TX / CH 9400

Test Date: November 11, 2009

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)
290.93	V	-55.78	-11.91	-67.69	-13.00	-54.69
431.58	V	-54.38	-10.17	-64.55	-13.00	-51.55
527.61	V	-58.99	-8.04	-67.03	-13.00	-54.03
603.27	V	-59.53	-7.35	-66.88	-13.00	-53.88
703.18	V	-57.91	-6.16	-64.07	-13.00	-51.07
815.70	V	-64.92	-4.63	-69.55	-13.00	-56.55
43.58	H	-58.85	-10.80	-69.66	-13.00	-56.66
170.65	H	-57.06	-13.80	-70.86	-13.00	-57.86
298.69	H	-55.53	-13.86	-69.39	-13.00	-56.39
431.58	H	-55.98	-10.12	-66.10	-13.00	-53.10
527.61	H	-60.78	-8.11	-68.88	-13.00	-55.88
706.09	H	-60.82	-6.19	-67.01	-13.00	-54.01

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 / HSUPA Band II / TX / CH 9538

Test Date: November 11, 2009

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)
42.61	V	-57.44	-12.35	-69.79	-13.00	-56.79
299.66	V	-54.22	-13.51	-67.73	-13.00	-54.73
431.58	V	-55.28	-10.17	-65.45	-13.00	-52.45
527.61	V	-58.56	-8.04	-66.60	-13.00	-53.60
603.27	V	-59.54	-7.35	-66.89	-13.00	-53.89
703.18	V	-57.20	-6.16	-63.36	-13.00	-50.36
42.61	H	-58.11	-10.72	-68.84	-13.00	-55.84
169.68	H	-58.16	-13.79	-71.96	-13.00	-58.96
289.96	H	-57.52	-12.89	-70.41	-13.00	-57.41
431.58	H	-55.65	-10.12	-65.77	-13.00	-52.77
527.61	H	-61.27	-8.11	-69.38	-13.00	-56.38
705.12	H	-60.56	-6.19	-66.75	-13.00	-53.75

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: November 11, 2009

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)
42.61	V	-53.09	-12.35	-65.44	-13.00	-52.44
169.68	V	-57.37	-14.01	-71.38	-13.00	-58.38
239.52	V	-55.52	-14.01	-69.53	-13.00	-56.53
298.69	V	-55.10	-13.33	-68.43	-13.00	-55.43
499.48	V	-63.57	-8.38	-71.95	-13.00	-58.95
748.77	V	-65.79	-5.69	-71.48	-13.00	-58.48
43.58	H	-55.56	-10.80	-66.37	-13.00	-53.37
102.75	H	-57.98	-16.90	-74.89	-13.00	-61.89
240.49	H	-56.49	-14.23	-70.72	-13.00	-57.72
298.69	H	-59.13	-13.86	-73.00	-13.00	-60.00
431.58	H	-61.70	-10.12	-71.82	-13.00	-58.82
499.48	H	-63.29	-8.27	-71.56	-13.00	-58.56

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 4182

Test Date: November 11, 2009

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)
43.58	V	-51.59	-12.36	-63.94	-13.00	-50.94
171.62	V	-56.98	-14.07	-71.05	-13.00	-58.05
240.49	V	-55.01	-14.02	-69.04	-13.00	-56.04
289.96	V	-57.52	-11.74	-69.26	-13.00	-56.26
331.67	V	-57.10	-13.53	-70.63	-13.00	-57.63
499.48	V	-61.33	-8.38	-69.71	-13.00	-56.71
44.55	H	-53.09	-10.88	-63.98	-13.00	-50.98
166.77	H	-58.84	-13.91	-72.75	-13.00	-59.75
239.52	H	-55.59	-14.21	-69.81	-13.00	-56.81
298.69	H	-56.36	-13.86	-70.23	-13.00	-57.23
431.58	H	-60.92	-10.12	-71.04	-13.00	-58.04
499.48	H	-62.48	-8.27	-70.75	-13.00	-57.75

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: November 11, 2009

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)
42.61	V	-51.13	-12.35	-63.48	-13.00	-50.48
169.68	V	-56.09	-14.01	-70.10	-13.00	-57.10
299.66	V	-55.31	-13.51	-68.82	-13.00	-55.82
332.64	V	-56.18	-13.53	-69.71	-13.00	-56.71
431.58	V	-61.62	-10.17	-71.80	-13.00	-58.80
499.48	V	-62.22	-8.38	-70.60	-13.00	-57.60
43.58	H	-52.77	-10.80	-63.57	-13.00	-50.57
171.62	H	-58.76	-13.83	-72.59	-13.00	-59.59
239.52	H	-55.65	-14.21	-69.86	-13.00	-56.86
298.69	H	-57.11	-13.86	-70.97	-13.00	-57.97
431.58	H	-59.54	-10.12	-69.66	-13.00	-56.66
499.48	H	-61.08	-8.27	-69.35	-13.00	-56.35

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.



Operation Mode: WCDMA IV / TX / CH 1312

Test Date: December 24, 2009

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)
116.33	V	-50.89	-14.58	-65.47	-13.00	-52.47
298.69	V	-53.33	-13.43	-66.77	-13.00	-53.77
352.04	V	-50.31	-13.25	-63.57	-13.00	-50.57
431.58	V	-54.22	-10.50	-64.72	-13.00	-51.72
703.18	V	-54.87	-6.42	-61.29	-13.00	-48.29
815.70	V	-62.58	-4.80	-67.38	-13.00	-54.38
239.52	H	-54.47	-13.66	-68.13	-13.00	-55.13
353.01	H	-52.09	-13.33	-65.41	-13.00	-52.41
431.58	H	-53.93	-10.43	-64.36	-13.00	-51.36
527.61	H	-58.18	-8.45	-66.63	-13.00	-53.63
623.64	H	-61.28	-6.82	-68.09	-13.00	-55.09
706.09	H	-56.19	-6.49	-62.68	-13.00	-49.68

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 IV / TX / CH 1412

Test Date: December 24, 2009

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)
116.33	V	-49.91	-14.58	-64.48	-13.00	-51.48
353.01	V	-49.80	-13.22	-63.03	-13.00	-50.03
431.58	V	-53.74	-10.50	-64.25	-13.00	-51.25
604.24	V	-60.24	-7.53	-67.77	-13.00	-54.77
703.18	V	-55.17	-6.42	-61.59	-13.00	-48.59
815.70	V	-64.06	-4.80	-68.86	-13.00	-55.86
239.52	H	-56.77	-13.66	-70.44	-13.00	-57.44
352.04	H	-54.27	-13.36	-67.64	-13.00	-54.64
401.51	H	-57.59	-11.62	-69.22	-13.00	-56.22
431.58	H	-54.90	-10.43	-65.33	-13.00	-52.33
706.09	H	-59.01	-6.49	-65.50	-13.00	-52.50
815.70	H	-65.81	-4.91	-70.72	-13.00	-57.72

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 IV / TX / CH 1513

Test Date: December 24, 2009

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)
116.33	V	-50.01	-14.58	-64.58	-13.00	-51.58
353.01	V	-50.10	-13.22	-63.33	-13.00	-50.33
431.58	V	-55.13	-10.50	-65.63	-13.00	-52.63
604.24	V	-60.94	-7.53	-68.47	-13.00	-55.47
623.64	V	-61.99	-6.87	-68.86	-13.00	-55.86
706.09	V	-56.65	-6.36	-63.02	-13.00	-50.02
198.78	H	-57.42	-13.47	-70.89	-13.00	-57.89
298.69	H	-56.79	-14.11	-70.90	-13.00	-57.90
353.01	H	-53.09	-13.33	-66.42	-13.00	-53.42
431.58	H	-54.96	-10.43	-65.39	-13.00	-52.39
703.18	H	-60.07	-6.51	-66.59	-13.00	-53.59
815.70	H	-64.81	-4.91	-69.72	-13.00	-56.72

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 IV / TX / CH 1312

Test Date: December 24, 2009

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)
116.33	V	-50.46	-14.58	-65.03	-13.00	-52.03
335.55	V	-54.62	-13.61	-68.23	-13.00	-55.23
353.01	V	-50.98	-13.22	-64.20	-13.00	-51.20
431.58	V	-55.46	-10.50	-65.96	-13.00	-52.96
706.09	V	-56.34	-6.36	-62.71	-13.00	-49.71
815.70	V	-64.31	-4.80	-69.11	-13.00	-56.11
289.96	H	-56.44	-13.12	-69.56	-13.00	-56.56
353.01	H	-53.29	-13.33	-66.62	-13.00	-53.62
431.58	H	-55.22	-10.43	-65.65	-13.00	-52.65
527.61	H	-61.29	-8.45	-69.74	-13.00	-56.74
703.18	H	-59.96	-6.51	-66.47	-13.00	-53.47
815.70	H	-64.11	-4.91	-69.01	-13.00	-56.01

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 IV / TX / CH 1412

Test Date: December 24, 2009

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)
116.33	V	-51.02	-14.58	-65.60	-13.00	-52.60
352.04	V	-51.08	-13.25	-64.33	-13.00	-51.33
431.58	V	-55.18	-10.50	-65.68	-13.00	-52.68
603.27	V	-60.11	-7.57	-67.68	-13.00	-54.68
706.09	V	-56.71	-6.36	-63.07	-13.00	-50.07
815.70	V	-64.75	-4.80	-69.55	-13.00	-56.55
353.01	H	-52.62	-13.33	-65.95	-13.00	-52.95
431.58	H	-55.54	-10.43	-65.97	-13.00	-52.97
527.61	H	-61.15	-8.45	-69.61	-13.00	-56.61
623.64	H	-63.63	-6.82	-70.44	-13.00	-57.44
706.09	H	-59.49	-6.49	-65.98	-13.00	-52.98
815.70	H	-64.80	-4.91	-69.71	-13.00	-56.71

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: WCDMA / HSDPA IV / TX / CH 1513

Test Date: December 24, 2009

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)
116.33	V	-52.10	-14.58	-66.68	-13.00	-53.68
352.04	V	-50.82	-13.25	-64.07	-13.00	-51.07
431.58	V	-55.43	-10.50	-65.93	-13.00	-52.93
603.27	V	-60.80	-7.57	-68.37	-13.00	-55.37
703.18	V	-56.04	-6.42	-62.46	-13.00	-49.46
815.70	V	-64.44	-4.80	-69.24	-13.00	-56.24
290.93	H	-57.26	-13.23	-70.48	-13.00	-57.48
353.01	H	-53.36	-13.33	-66.68	-13.00	-53.68
431.58	H	-55.24	-10.43	-65.67	-13.00	-52.67
527.61	H	-61.06	-8.45	-69.52	-13.00	-56.52
703.18	H	-59.61	-6.51	-66.12	-13.00	-53.12
815.70	H	-65.41	-4.91	-70.31	-13.00	-57.31

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 IV / TX / CH 1312

Test Date: December 24, 2009

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)
116.33	V	-52.20	-14.58	-66.78	-13.00	-53.78
352.04	V	-51.73	-13.25	-64.99	-13.00	-51.99
431.58	V	-55.25	-10.50	-65.76	-13.00	-52.76
605.21	V	-60.06	-7.49	-67.55	-13.00	-54.55
623.64	V	-61.96	-6.87	-68.83	-13.00	-55.83
703.18	V	-56.69	-6.42	-63.11	-13.00	-50.11
239.52	H	-58.74	-13.66	-72.40	-13.00	-59.40
298.69	H	-56.41	-14.11	-70.52	-13.00	-57.52
352.04	H	-54.04	-13.36	-67.40	-13.00	-54.40
431.58	H	-55.66	-10.43	-66.09	-13.00	-53.09
527.61	H	-61.18	-8.45	-69.63	-13.00	-56.63
706.09	H	-60.17	-6.49	-66.66	-13.00	-53.66

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 IV / TX / CH 1412

Test Date: December 24, 2009

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)
116.33	V	-51.56	-14.58	-66.13	-13.00	-53.13
299.66	V	-53.44	-13.59	-67.03	-13.00	-54.03
353.01	V	-51.74	-13.22	-64.96	-13.00	-51.96
431.58	V	-55.15	-10.50	-65.65	-13.00	-52.65
603.27	V	-60.36	-7.57	-67.93	-13.00	-54.93
703.18	V	-56.52	-6.42	-62.94	-13.00	-49.94
289.96	H	-57.67	-13.12	-70.79	-13.00	-57.79
352.04	H	-53.50	-13.36	-66.86	-13.00	-53.86
431.58	H	-55.71	-10.43	-66.14	-13.00	-53.14
527.61	H	-60.65	-8.45	-69.10	-13.00	-56.10
706.09	H	-59.87	-6.49	-66.36	-13.00	-53.36
815.70	H	-65.67	-4.91	-70.58	-13.00	-57.58

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 IV / TX / CH 1513

Test Date: December 24, 2009

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)
116.33	V	-52.62	-14.58	-67.20	-13.00	-54.20
299.66	V	-53.16	-13.59	-66.75	-13.00	-53.75
352.04	V	-48.78	-13.25	-62.03	-13.00	-49.03
431.58	V	-54.56	-10.50	-65.06	-13.00	-52.06
706.09	V	-55.41	-6.36	-61.78	-13.00	-48.78
815.70	V	-64.03	-4.80	-68.83	-13.00	-55.83
352.04	H	-50.23	-13.36	-63.59	-13.00	-50.59
401.51	H	-55.86	-11.62	-67.48	-13.00	-54.48
431.58	H	-54.63	-10.43	-65.06	-13.00	-52.06
527.61	H	-60.19	-8.45	-68.64	-13.00	-55.64
703.18	H	-57.68	-6.51	-64.19	-13.00	-51.19
815.70	H	-63.83	-4.91	-68.74	-13.00	-55.74

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: November 11, 2009

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)
1651.00	V	-41.23	0.69	-40.54	-13.00	-27.54
1931.00	V	-55.85	1.27	-54.59	-13.00	-41.59
2470.00	V	-37.01	3.49	-33.52	-13.00	-20.52
2995.00	V	-58.71	5.15	-53.56	-13.00	-40.56
3296.00	V	-53.21	5.57	-47.64	-13.00	-34.64
6593.00	V	-59.95	12.40	-47.55	-13.00	-34.55
1651.00	H	-46.53	0.80	-45.73	-13.00	-32.73
2470.00	H	-39.20	3.78	-35.43	-13.00	-22.43
3296.00	H	-54.59	6.27	-48.32	-13.00	-35.32
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: GSM 850 / TX / CH 190

Test Date: November 11, 2009

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)
1672.00	V	-41.22	0.73	-40.48	-13.00	-27.48
1896.00	V	-56.48	1.20	-55.28	-13.00	-42.28
2512.00	V	-36.34	3.66	-32.68	-13.00	-19.68
3345.00	V	-54.10	5.63	-48.46	-13.00	-35.46
6691.00	V	-59.41	12.78	-46.63	-13.00	-33.63
N/A						
1672.00	H	-45.37	0.84	-44.53	-13.00	-31.53
2512.00	H	-38.59	3.96	-34.63	-13.00	-21.63
2995.00	H	-59.66	5.43	-54.22	-13.00	-41.22
3345.00	H	-56.44	6.41	-50.03	-13.00	-37.03
6691.00	H	-60.24	12.86	-47.39	-13.00	-34.39
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: GSM 850 / TX / CH 251

Test Date: November 11, 2009

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)
1700.00	V	-43.15	0.79	-42.36	-13.00	-29.36
1910.00	V	-55.58	1.22	-54.36	-13.00	-41.36
2547.00	V	-38.44	3.77	-34.68	-13.00	-21.68
2995.00	V	-57.59	5.15	-52.44	-13.00	-39.44
3394.00	V	-55.87	5.70	-50.17	-13.00	-37.17
N/A						
1700.00	H	-47.05	0.90	-46.15	-13.00	-33.15
2547.00	H	-41.72	4.06	-37.66	-13.00	-24.66
3394.00	H	-60.10	6.55	-53.55	-13.00	-40.55
4059.00	H	-62.82	9.36	-53.47	-13.00	-40.47
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: November 11, 2009

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)
1651.00	V	-41.22	0.69	-40.53	-13.00	-27.53
1924.00	V	-54.95	1.25	-53.69	-13.00	-40.69
2470.00	V	-37.05	3.49	-33.56	-13.00	-20.56
2988.00	V	-57.76	5.13	-52.63	-13.00	-39.63
3296.00	V	-52.85	5.57	-47.29	-13.00	-34.29
N/A						
1651.00	H	-45.72	0.80	-44.92	-13.00	-31.92
2470.00	H	-38.23	3.78	-34.46	-13.00	-21.46
2995.00	H	-60.50	5.43	-55.07	-13.00	-42.07
3296.00	H	-54.22	6.27	-47.95	-13.00	-34.95
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: November 11, 2009

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)
1672.00	V	-41.93	0.73	-41.19	-13.00	-28.19
2512.00	V	-36.20	3.66	-32.54	-13.00	-19.54
2995.00	V	-58.87	5.15	-53.71	-13.00	-40.71
3345.00	V	-53.48	5.63	-47.84	-13.00	-34.84
6691.00	V	-61.50	12.78	-48.72	-13.00	-35.72
N/A						
1672.00	H	-45.29	0.84	-44.45	-13.00	-31.45
2512.00	H	-37.85	3.96	-33.89	-13.00	-20.89
2995.00	H	-59.66	5.43	-54.22	-13.00	-41.22
3345.00	H	-56.84	6.41	-50.43	-13.00	-37.43
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: GPRS 850 / TX / CH 251

Test Date: November 11, 2009

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)
1700.00	V	-43.97	0.79	-43.17	-13.00	-30.17
1861.00	V	-54.86	1.12	-53.74	-13.00	-40.74
2547.00	V	-38.40	3.77	-34.64	-13.00	-21.64
3394.00	V	-58.18	5.70	-52.48	-13.00	-39.48
6789.00	V	-59.90	13.15	-46.75	-13.00	-33.75
N/A						
1700.00	H	-46.52	0.90	-45.61	-13.00	-32.61
2547.00	H	-43.52	4.06	-39.46	-13.00	-26.46
3394.00	H	-58.08	6.55	-51.53	-13.00	-38.53
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: November 11, 2009

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)
2988.00	V	-59.28	5.13	-54.15	-13.00	-41.15
3702.00	V	-46.25	6.46	-39.79	-13.00	-26.79
N/A						
2995.00	H	-60.96	5.43	-55.53	-13.00	-42.53
3702.00	H	-52.89	7.85	-45.04	-13.00	-32.04
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: November 11, 2009

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)
2995.00	V	-57.67	5.15	-52.52	-13.00	-39.52
3758.00	V	-48.42	6.63	-41.79	-13.00	-28.79
N/A						
2995.00	H	-60.11	5.43	-54.67	-13.00	-41.67
3758.00	H	-52.15	8.12	-44.02	-13.00	-31.02
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: GSM 1900 / TX / CH 810

Test Date: November 11, 2009

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)
2995.00	V	-58.92	5.15	-53.76	-13.00	-40.76
3821.00	V	-51.22	6.83	-44.39	-13.00	-31.39
5732.00	V	-61.05	9.96	-51.09	-13.00	-38.09
N/A						
3821.00	H	-56.56	8.44	-48.12	-13.00	-35.12
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: November 11, 2009

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)
2995.00	V	-58.63	5.15	-53.47	-13.00	-40.47
3702.00	V	-46.51	6.46	-40.05	-13.00	-27.05
5550.00	V	-60.37	9.92	-50.45	-13.00	-37.45
N/A						
2995.00	H	-59.58	5.43	-54.15	-13.00	-41.15
3702.00	H	-52.60	7.85	-44.76	-13.00	-31.76
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: GPRS 1900 / TX / CH 661

Test Date: November 11, 2009

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)
2995.00	V	-57.57	5.15	-52.42	-13.00	-39.42
3758.00	V	-47.70	6.63	-41.07	-13.00	-28.07
N/A						
2995.00	H	-60.37	5.43	-54.93	-13.00	-41.93
3758.00	H	-52.59	8.12	-44.47	-13.00	-31.47
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: November 11, 2009

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)
2995.00	V	-58.68	5.15	-53.53	-13.00	-40.53
3821.00	V	-49.30	6.83	-42.48	-13.00	-29.48
5732.00	V	-59.97	9.96	-50.00	-13.00	-37.00
N/A						
2995.00	H	-60.05	5.43	-54.61	-13.00	-41.61
3821.00	H	-55.76	8.44	-47.32	-13.00	-34.32
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: EDGE 850 / TX / CH 128

Test Date: November 11, 2009

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)
1651.00	V	-41.08	0.69	-40.39	-13.00	-27.39
1931.00	V	-55.23	1.27	-53.96	-13.00	-40.96
2470.00	V	-37.14	3.49	-33.65	-13.00	-20.65
2995.00	V	-59.79	5.15	-54.63	-13.00	-41.63
3296.00	V	-53.18	5.57	-47.62	-13.00	-34.62
6593.00	V	-60.57	12.40	-48.17	-13.00	-35.17
1651.00	H	-45.06	0.80	-44.26	-13.00	-31.26
2470.00	H	-38.52	3.78	-34.75	-13.00	-21.75
3296.00	H	-55.82	6.27	-49.54	-13.00	-36.54
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: November 11, 2009

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)
1672.00	V	-43.86	0.73	-43.12	-13.00	-30.12
1931.00	V	-54.54	1.27	-53.27	-13.00	-40.27
2512.00	V	-39.59	3.66	-35.94	-13.00	-22.94
2988.00	V	-58.52	5.13	-53.39	-13.00	-40.39
3345.00	V	-58.07	5.63	-52.44	-13.00	-39.44
N/A						
1672.00	H	-48.99	0.84	-48.15	-13.00	-35.15
2512.00	H	-41.85	3.96	-37.89	-13.00	-24.89
3345.00	H	-60.71	6.41	-54.30	-13.00	-41.30
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: November 11, 2009

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)
1700.00	V	-47.34	0.79	-46.55	-13.00	-33.55
2547.00	V	-41.72	3.77	-37.96	-13.00	-24.96
2988.00	V	-59.55	5.13	-54.41	-13.00	-41.41
3394.00	V	-60.21	5.70	-54.51	-13.00	-41.51
N/A						
1700.00	H	-50.34	0.90	-49.44	-13.00	-36.44
2330.00	H	-60.56	3.11	-57.45	-13.00	-44.45
2547.00	H	-45.44	4.06	-41.38	-13.00	-28.38
3394.00	H	-60.45	6.55	-53.90	-13.00	-40.90
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: November 11, 2009

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)
2995.00	V	-58.29	5.15	-53.14	-13.00	-40.14
3702.00	V	-46.28	6.46	-39.82	-13.00	-26.82
N/A						
2995.00	H	-59.62	5.43	-54.19	-13.00	-41.19
3702.00	H	-53.16	7.85	-45.31	-13.00	-32.31
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: November 11, 2009

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)
2995.00	V	-58.56	5.15	-53.40	-13.00	-40.40
3758.00	V	-47.22	6.63	-40.58	-13.00	-27.58
N/A						
3758.00	H	-52.27	8.12	-44.14	-13.00	-31.14
7818.00	H	-61.37	16.64	-44.74	-13.00	-31.74
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: November 11, 2009

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)
3821.00	V	-48.50	6.83	-41.67	-13.00	-28.67
5732.00	V	-60.42	9.96	-50.46	-13.00	-37.46
N/A						
3821.00	H	-54.63	8.44	-46.20	-13.00	-33.20
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: November 11, 2009

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	-46.42	6.48	-39.93	-13.00	-26.93
4990.00	V	-58.37	9.65	-48.72	-13.00	-35.72
N/A						
3709.00	H	-51.02	7.88	-43.13	-13.00	-30.13
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 Band II / TX / CH 9400

Test Date: November 11, 2009

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)
2666.00	V	-57.76	4.13	-53.62	-13.00	-40.62
2988.00	V	-60.29	5.13	-55.15	-13.00	-42.15
3758.00	V	-47.01	6.63	-40.37	-13.00	-27.37
N/A						
3758.00	H	-50.05	8.12	-41.92	-13.00	-28.92
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 II / TX / CH 9538

Test Date: November 11, 2009

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)
3821.00	V	-40.76	6.83	-33.93	-13.00	-20.93
N/A						
3821.00	H	-39.70	8.44	-31.26	-13.00	-18.26
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: November 11, 2009

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)
1413.00	V	-55.87	0.10	-55.77	-13.00	-42.77
1497.00	V	-56.49	0.37	-56.12	-13.00	-43.12
1665.00	V	-57.33	0.72	-56.61	-13.00	-43.61
1994.00	V	-54.92	1.40	-53.52	-13.00	-40.52
2659.00	V	-57.86	4.11	-53.74	-13.00	-40.74
N/A						
1413.00	H	-54.58	0.24	-54.34	-13.00	-41.34
1651.00	H	-55.47	0.80	-54.67	-13.00	-41.67
1826.00	H	-57.35	1.17	-56.18	-13.00	-43.18
2001.00	H	-59.97	1.54	-58.43	-13.00	-45.43
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 Band V / TX / CH 4182

Test Date: November 11, 2009

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)
1413.00	V	-57.12	0.10	-57.02	-13.00	-44.02
1651.00	V	-56.75	0.69	-56.06	-13.00	-43.06
1994.00	V	-55.25	1.40	-53.85	-13.00	-40.85
N/A						
1406.00	H	-54.06	0.22	-53.84	-13.00	-40.84
1651.00	H	-54.48	0.80	-53.68	-13.00	-40.68
1994.00	H	-59.40	1.53	-57.88	-13.00	-44.88
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: November 11, 2009

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)
1406.00	V	-58.33	0.08	-58.25	-13.00	-45.25
1497.00	V	-57.87	0.37	-57.49	-13.00	-44.49
1693.00	V	-55.17	0.78	-54.40	-13.00	-41.40
2001.00	V	-56.58	1.41	-55.17	-13.00	-42.17
2659.00	V	-57.76	4.11	-53.64	-13.00	-40.64
4976.00	V	-60.32	9.61	-50.71	-13.00	-37.71
1406.00	H	-55.57	0.22	-55.35	-13.00	-42.35
1693.00	H	-54.62	0.89	-53.73	-13.00	-40.73
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: November 11, 2009

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)
2995.00	V	-58.83	5.15	-53.68	-13.00	-40.68
3709.00	V	-51.91	6.48	-45.43	-13.00	-32.43
N/A						
2995.00	H	-60.65	5.43	-55.22	-13.00	-42.22
3702.00	H	-54.07	7.85	-46.22	-13.00	-33.22
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 / HSDPA Band II / TX / CH 9400

Test Date: November 11, 2009

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)
2659.00	V	-59.63	4.11	-55.52	-13.00	-42.52
2988.00	V	-59.87	5.13	-54.74	-13.00	-41.74
3758.00	V	-53.45	6.63	-46.81	-13.00	-33.81
N/A						
2995.00	H	-59.31	5.43	-53.87	-13.00	-40.87
3758.00	H	-55.01	8.12	-46.89	-13.00	-33.89
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: November 11, 2009

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)
2995.00	V	-58.10	5.15	-52.95	-13.00	-39.95
3821.00	V	-43.57	6.83	-36.74	-13.00	-23.74
N/A						
3821.00	H	-45.81	8.44	-37.37	-13.00	-24.37
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 / HSDPA Band V / TX / CH 4132

Test Date: November 11, 2009

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)
1574.00	V	-58.24	0.53	-57.71	-13.00	-44.71
1749.00	V	-56.75	0.89	-55.86	-13.00	-42.86
1938.00	V	-58.94	1.28	-57.65	-13.00	-44.65
2995.00	V	-59.48	5.15	-54.32	-13.00	-41.32
N/A						
2988.00	H	-60.06	5.41	-54.65	-13.00	-41.65
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 4182

Test Date: November 11, 2009

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)
1742.00	V	-57.58	0.88	-56.70	-13.00	-43.70
1931.00	V	-56.58	1.27	-55.31	-13.00	-42.31
2512.00	V	-59.86	3.66	-56.20	-13.00	-43.20
2995.00	V	-57.62	5.15	-52.47	-13.00	-39.47
N/A						
2988.00	H	-59.38	5.41	-53.97	-13.00	-40.97
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: WCDMA / HSDPA Band V / TX / CH 4233

Test Date: November 11, 2009

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)
1588.00	V	-56.14	0.56	-55.58	-13.00	-42.58
2995.00	V	-58.96	5.15	-53.81	-13.00	-40.81
N/A						
1994.00	H	-59.02	1.53	-57.50	-13.00	-44.50
2995.00	H	-60.03	5.43	-54.59	-13.00	-41.59
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: November 11, 2009

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)
2995.00	V	-58.78	5.15	-53.62	-13.00	-40.62
3709.00	V	-51.14	6.48	-44.65	-13.00	-31.65
N/A						
2988.00	H	-59.04	5.41	-53.63	-13.00	-40.63
3709.00	H	-53.98	7.88	-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 II / TX / CH 9400

Test Date: November 11, 2009

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)
2995.00	V	-57.15	5.15	-52.00	-13.00	-39.00
3758.00	V	-48.10	6.63	-41.47	-13.00	-28.47
N/A						
2995.00	H	-58.24	5.43	-52.80	-13.00	-39.80
3758.00	H	-54.80	8.12	-46.68	-13.00	-33.68
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: November 11, 2009

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)
3821.00	V	-41.78	6.83	-34.95	-13.00	-21.95
N/A						
3821.00	H	-41.70	8.44	-33.27	-13.00	-20.27
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 / HSUPA Band V / TX / CH 4132

Test Date: November 11, 2009

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)
1588.00	V	-58.09	0.56	-57.53	-13.00	-44.53
1777.00	V	-56.64	0.95	-55.69	-13.00	-42.69
2995.00	V	-58.81	5.15	-53.66	-13.00	-40.66
N/A						
1875.00	H	-59.60	1.27	-58.32	-13.00	-45.32
2988.00	H	-60.55	5.41	-55.13	-13.00	-42.13
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 4182

Test Date: November 11, 2009

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)
1672.00	V	-57.61	0.73	-56.88	-13.00	-43.88
2995.00	V	-58.30	5.15	-53.15	-13.00	-40.15
N/A						
2995.00	H	-60.41	5.43	-54.98	-13.00	-41.98
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: November 11, 2009

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)
1728.00	V	-57.29	0.85	-56.44	-13.00	-43.44
2498.00	V	-59.65	3.61	-56.04	-13.00	-43.04
2995.00	V	-58.82	5.15	-53.66	-13.00	-40.66
N/A						
1658.00	H	-58.47	0.81	-57.65	-13.00	-44.65
2323.00	H	-60.20	3.08	-57.12	-13.00	-44.12
2995.00	H	-60.87	5.43	-55.43	-13.00	-42.43
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 IV / TX / CH 1312

Test Date: December 24, 2009

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)
2659.00	V	-59.86	5.21	-54.65	-13.00	-41.65
3422.00	V	-42.01	9.10	-32.91	-13.00	-19.91
5137.00	V	-60.34	10.39	-49.96	-13.00	-36.96
N/A						
3422.00	H	-38.57	8.92	-29.65	-13.00	-16.65
5137.00	H	-60.81	10.12	-50.69	-13.00	-37.69
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 IV / TX / CH 1412

Test Date: December 24, 2009

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)
2659.00	V	-59.94	5.21	-54.73	-13.00	-41.73
3464.00	V	-45.86	9.35	-36.51	-13.00	-23.51
5193.00	V	-56.84	10.37	-46.47	-13.00	-33.47
N/A						
3464.00	H	-45.34	9.15	-36.19	-13.00	-23.19
5200.00	H	-59.35	10.11	-49.24	-13.00	-36.24
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 IV / TX / CH 1513

Test Date: December 24, 2009

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)
2659.00	V	-57.39	5.21	-52.19	-13.00	-39.19
3506.00	V	-41.66	9.56	-32.10	-13.00	-19.10
5263.00	V	-58.39	10.35	-48.04	-13.00	-35.04
N/A						
3506.00	H	-39.88	9.34	-30.54	-13.00	-17.54
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 IV / TX / CH 1312

Test Date: December 24, 2009

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)
3429.00	V	-43.07	9.14	-33.93	-13.00	-20.93
N/A						
3429.00	H	-40.39	8.96	-31.43	-13.00	-18.43
5137.00	H	-59.41	10.12	-49.29	-13.00	-36.29
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 IV / TX / CH 1412

Test Date: December 24, 2009

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)
2659.00	V	-58.81	5.21	-53.60	-13.00	-40.60
3464.00	V	-48.67	9.35	-39.32	-13.00	-26.32
5193.00	V	-59.37	10.37	-49.00	-13.00	-36.00
N/A						
3464.00	H	-47.71	9.15	-38.56	-13.00	-25.56
5144.00	H	-59.87	10.12	-49.75	-13.00	-36.75
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 IV / TX / CH 1513

Test Date: December 24, 2009

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)
2659.00	V	-57.99	5.21	-52.79	-13.00	-39.79
3506.00	V	-43.47	9.56	-33.91	-13.00	-20.91
5256.00	V	-59.67	10.35	-49.32	-13.00	-36.32
N/A						
3506.00	H	-42.70	9.34	-33.36	-13.00	-20.36
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 / HSUPA IV / TX / CH 1312

Test Date: December 24, 2009

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)
2666.00	V	-55.14	5.23	-49.90	-13.00	-36.90
3429.00	V	-41.37	9.14	-32.23	-13.00	-19.23
5326.00	V	-58.31	10.33	-47.98	-13.00	-34.98
N/A						
2561.00	H	-58.83	4.88	-53.95	-13.00	-40.95
3422.00	H	-40.92	8.92	-32.00	-13.00	-19.00
7559.00	H	-59.70	17.02	-42.67	-13.00	-29.67
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 IV / TX / CH 1412

Test Date: December 24, 2009

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)
2666.00	V	-57.49	5.23	-52.26	-13.00	-39.26
3464.00	V	-47.32	9.35	-37.96	-13.00	-24.96
5200.00	V	-58.77	10.37	-48.40	-13.00	-35.40
N/A						
3464.00	H	-45.72	9.15	-36.57	-13.00	-23.57
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 IV / TX / CH 1513

Test Date: December 24, 2009

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)
2659.00	V	-56.80	5.21	-51.59	-13.00	-38.59
3506.00	V	-42.04	9.56	-32.48	-13.00	-19.48
5242.00	V	-59.44	10.36	-49.08	-13.00	-36.08
N/A						
3506.00	H	-39.17	9.34	-29.83	-13.00	-16.83
6215.00	H	-59.77	11.62	-48.15	-13.00	-35.15
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.



7.2 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 (dB μ V)	
	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:** November 12, 2009
Temperature: 22°C **Tested by:** Ming Chen
Humidity: 45% RH

Freq. (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
0.1800	50.80	33.00	0.10	50.90	33.10	64.49	54.49	-13.59	-21.39	L1
0.4650	42.84	28.54	0.06	42.90	28.60	56.60	46.60	-13.70	-18.00	L1
0.6100	43.64	30.64	0.06	43.70	30.70	56.00	46.00	-12.30	-15.30	L1
0.6800	43.14	28.94	0.06	43.20	29.00	56.00	46.00	-12.80	-17.00	L1
1.2200	40.05	25.95	0.05	40.10	26.00	56.00	46.00	-15.90	-20.00	L1
1.6950	39.34	24.74	0.06	39.40	24.80	56.00	46.00	-16.60	-21.20	L1
0.4700	43.94	28.84	0.06	44.00	28.90	56.51	46.51	-12.51	-17.61	L2
0.5950	44.14	28.34	0.06	44.20	28.40	56.00	46.00	-11.80	-17.60	L2
0.6850	43.74	28.34	0.06	43.80	28.40	56.00	46.00	-12.20	-17.60	L2
2.4850	38.14	24.84	0.06	38.20	24.90	56.00	46.00	-17.80	-21.10	L2
3.7300	37.64	24.64	0.06	37.70	24.70	56.00	46.00	-18.30	-21.30	L2
4.5250	37.74	26.04	0.06	37.80	26.10	56.00	46.00	-18.20	-19.90	L2

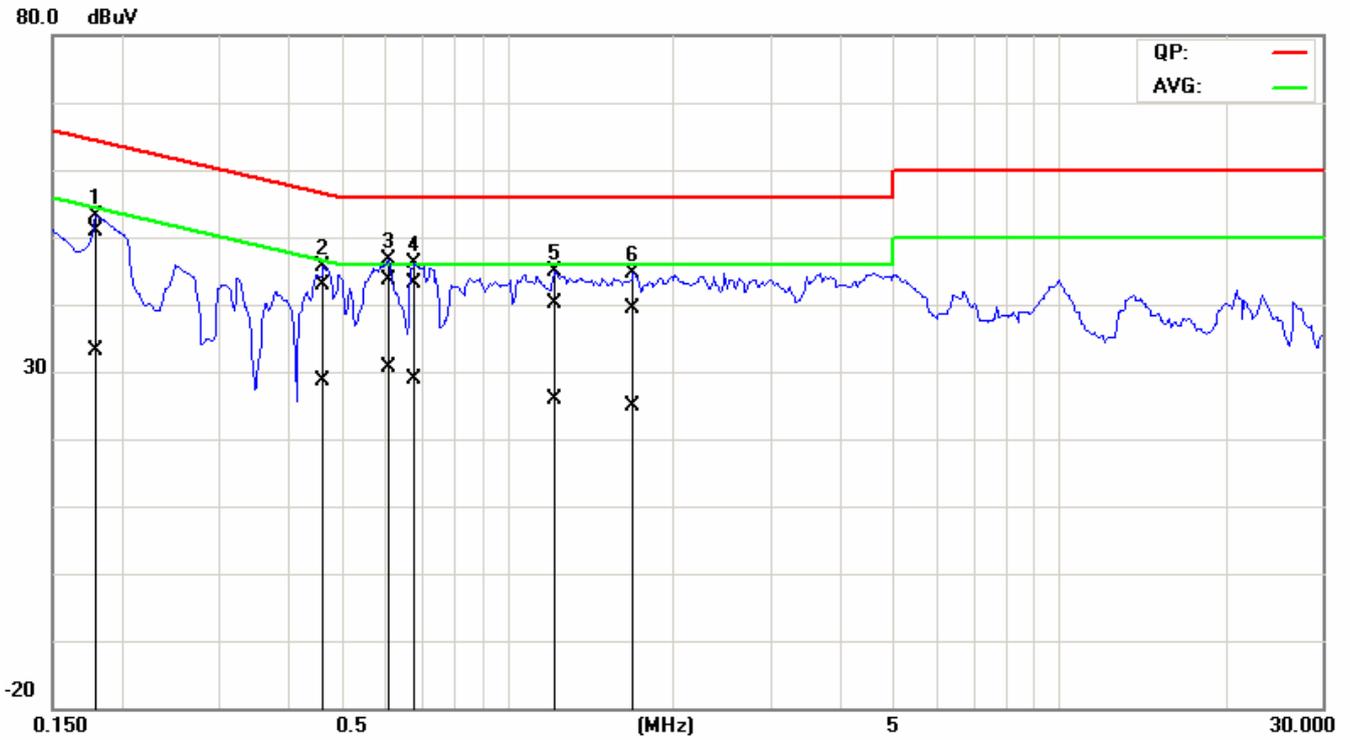
Remark:

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)
5. "-" means Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.

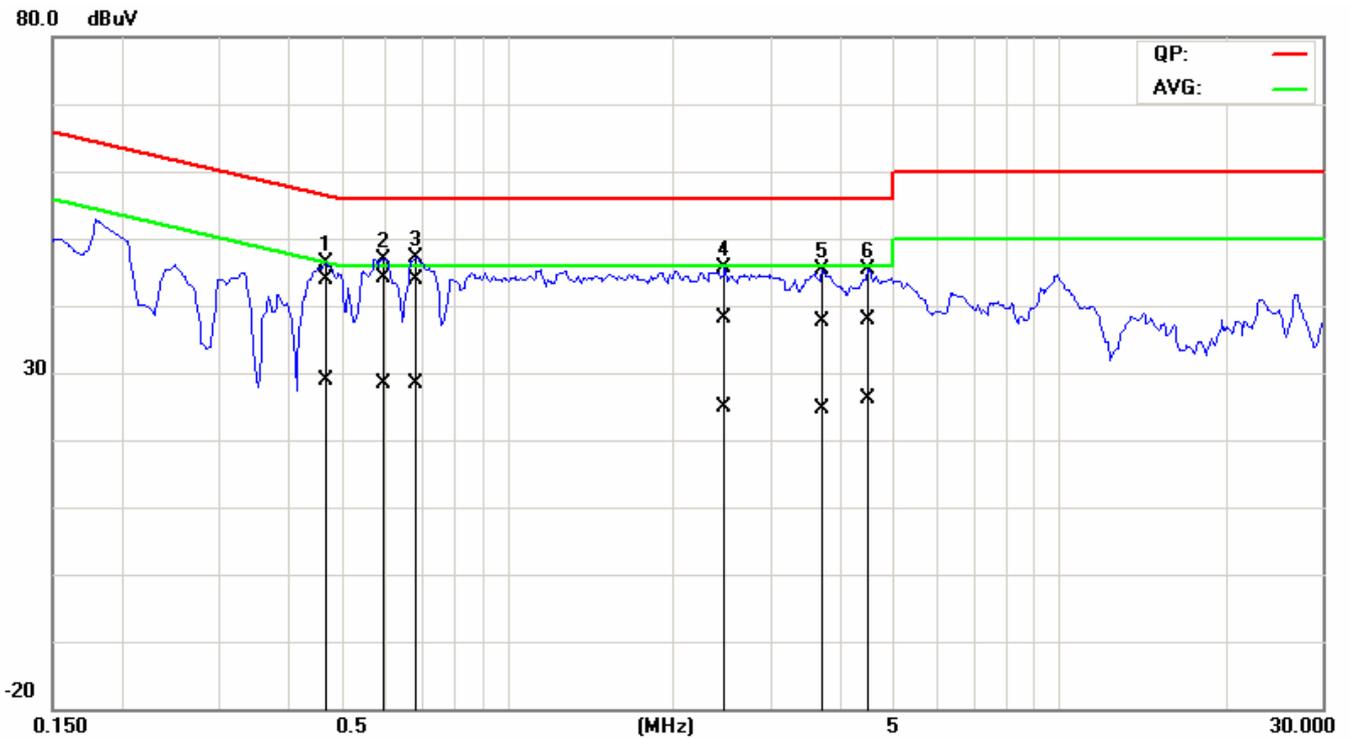


Test Plots

Conducted emissions (Line 1)



Conducted emissions (Line 2)



APPENDIX II PHOTOGRAPHS OF TEST SETUP

Radiated Emission Set up Photos



Powerline Conducted Emissions Setup Photos

