FCC CFR47 PART 22 SUBPART H
PART 24 SUBPART E AND PART 27 SUBPART K
CERTIFICATION TEST REPORT
FOR
TRI-BAND 1XRTT CDMA PHONE WITH BLUETOOTH

MODEL NUMBER: K38-02

FCC ID: OVFKWC-K3802

REPORT NUMBER: 08U11978-1

ISSUE DATE: AUGUST 12, 2008

Prepared for

KYOCERA WIRELESS CORP
10300 CAMPUS POINT DRIVE
SAN DIEGO, CA 92121, U.S.A.

Prepared by

COMPLIANCE CERTIFICATION SERVICES
47173 BENICIA STREET
FREMONT, CA 94538, U.S.A.
TEL: (510) 771-1000
FAX: (510) 661-0888

NVLAP LAB CODE 200065-0

Revision History

Rev.	Issue Date	Revisions	Revised By
--	08/12/08	Initial Issue	T. Chan

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS

COMPANY NAME: KYOCERA WIRELESS
10300 CAMPUS POINT DRIVE
SAN DIEGO, CA 92121, USA

EUT DESCRIPTION: TRI-BAND 1XRTT CDMA PHONE WITH BLUETOOTH

MODEL: K38-02

SERIAL NUMBER: FFLM0000003729

DATE TESTED: JULY 30 – AUGUST 09, 2008

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC PART 22 SUBPART H	PASS (Radiated Only)
FCC PART 24 SUBPART E	PASS (Radiated Only)
FCC PART 27 SUBPART K	PASS (Radiated Only)

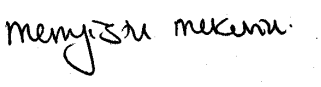
Compliance Certification Services, Inc. (CCS) tested the above equipment in accordance with the requirements set forth in the above standards. All expressions of Pass/Fail in this report are opinions expressed by CCS based on interpretations of the test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by Compliance Certification Services and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by Compliance Certification Services will constitute fraud and shall nullify the document. No part of this report may be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any government agency.

Approved & Released For CCS By:

THU CHAN
EMC SUPERVISOR
COMPLIANCE CERTIFICATION SERVICES

Tested By:



MENGISTU MEKURIA
EMC ENGINEER
COMPLIANCE CERTIFICATION SERVICES

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with TIA/EIA 603C (2004), FCC CFR 47 Part 2, FCC CFR 47 Part 22H, 24E, and 27K.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA.

CCS is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at http://www.ccsemc.com.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Radiated Emission, 30 to 200 MHz	+/- 3.3 dB
Radiated Emission, 200 to 1000 MHz	+4.5 / -2.9 dB
Radiated Emission, 1000 to 2000 MHz	+4.5 / -2.9 dB
Radiated Emission, Above 2000 MHz	+/- 4.3 dB
Power Line Conducted Emission	+/- 2.9 dB

Uncertainty figures are valid to a confidence level of 95%.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a Bluetooth featured Tri-band 1xRTT CDMA Phone that manufactured by Kyocera Wireless Corporations

5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum peak ERP & EIRP output powers as follows:

824 to 849 MHz Authorized Band

Frequency Range (MHz)	Modulation	ERP Peak Power (dBm)	ERP Peak Power (mW)
Low CH - 824.70	CDMA2000	29.7	933.3
Mid CH - 836.52		30.9	1230.3
High CH - 848.31		29.2	831.8

1850 to 1910 MHz Authorized Band

Frequency Range (MHz)	Modulation	EIRP Peak Power (dBm)	EIRP Peak Power (mW)
Low CH - 1851.25	CDMA2000	29.9	977.2
Mid CH - 1880.00		31.7	1479.1
High CH - 1908.75		30.5	1122.0

1710 to 1755 MHz Authorized Band

Frequency Range (MHz)	Modulation	EIRP Peak Power (dBm)	EIRP Peak Power (mW)
Low CH - 1711.25	AWS	30.1	1023.3
MID-Ch- 1733.00		29.8	955.0
High CH - 1753.75		31.0	1258.9

5.3. SOFTWARE AND FIRMWARE

The EUT is linked with Agilent Communication Test Set.

5.4. WORST-CASE CONFIGURATION AND MODE

The worst-position was the EUT with highest emissions. To determine the worst-case, the EUT was investigated for X, Y, and Z-Positions, and the worst position among X, Y, and Z with battery charger. After the investigations, the worst-position was turned out to be an X-position without Battery Charger, Y-position without Battery Charger, and Y-position with Battery Charger for Cell, AWS, and PCS bands respectively.

PROCEDURE USED TO ESTABLISH TEST SIGNAL

3G-CDMA2000 1xRTT

This procedure assumes the Agilent 8960 Test Set has the following applications installed and with valid license.

Application	Rev, License
CDMA2000 Mobil Test	B.10.11, L

1xRTT

- Call Setup > Shift & Preset
- Protocol Rev > 6 (IS-2000-0)
- Radio Config (RC) > RC3 (Fwd3, Rvs3)
- FCH Service Option (SO) Setup > 55
- Traffic Data Rate > Full
- TDSO SCH Info > F-SCH Parameters > F-SCH Data Rate > 153.6 kbps
  > R-SCH Parameters > R-SCH Data Rate > 153.6 kbps
- Cell Info > Cell Parameters > System ID (SID) > 4375
  > Network ID (NID) > 0

Once “Active Cell” show “Connected ” then change “Rvs Power Ctrl” from “Active bits” to “**All Up bits**” to get the maximum power.

Worst-case Measurement Result @ Low, Middle and High Channel

Worst-case Measurement Result for Low, Middle and High Channel under Radio Configuration RC3 and Service Option 55.

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

PERIPHERAL SUPPORT EQUIPMENT LIST				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
AC/DC Adapter	Kyocera	TXTVL10128	8125-002	DoC

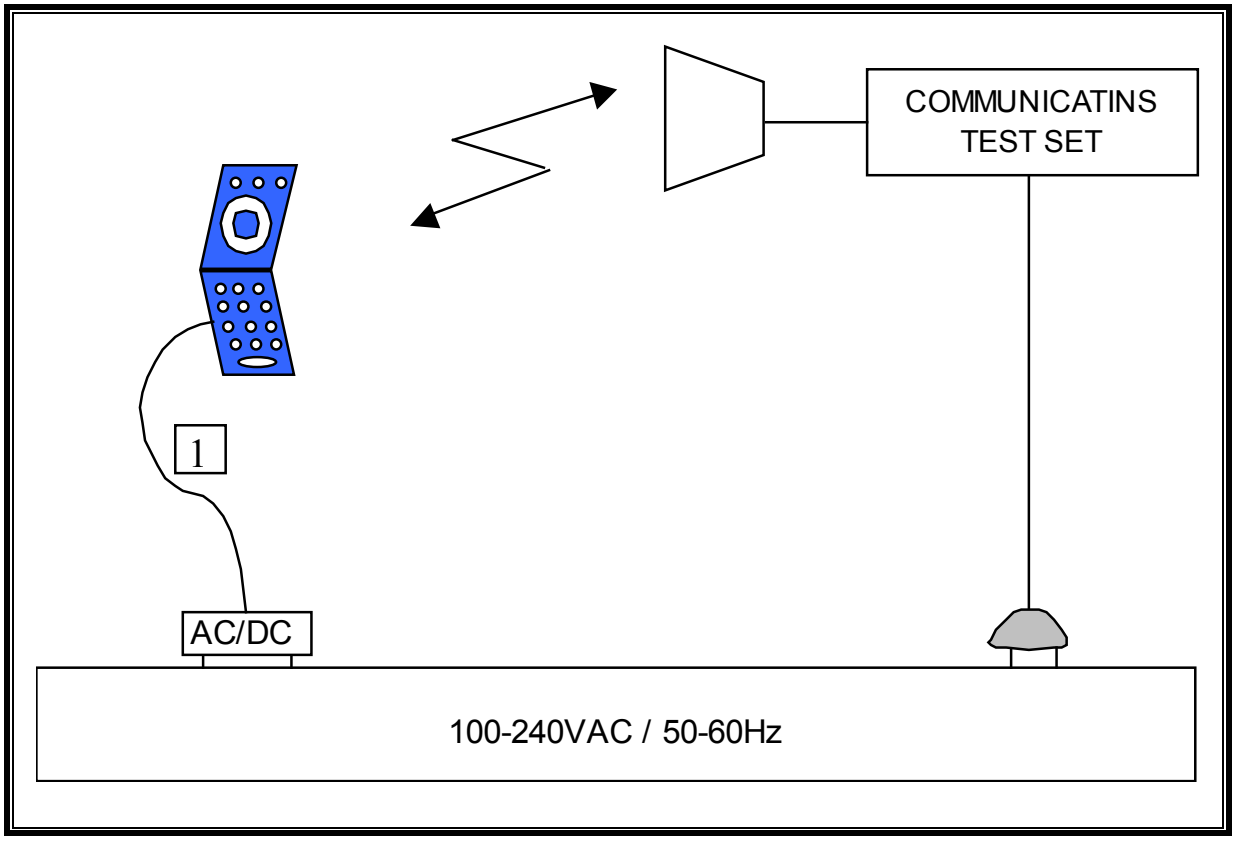
I/O CABLES

I/O CABLE LIST						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length	Remarks
1	DC Input	1	Mini-USB	Un-Shielded	2.0 m	N/A

TEST SETUP

The EUT is a CDMA phone and-is tested as a standalone configuration. Communications Test Set is used to link the device under test.

SETUP DIAGRAM FOR TESTS



6. TES T AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

TEST EQUIPMENT LIST				
Description	**Manufacturer**	**Model**	**Asset**	**Cal Due**
Preamplifier, 26.5 GHz	Agilent / HP	8449B	3008A00561	09/27/08
Antenna, Bilog, 2 GHz	Sunol Sciences	JB1	C01011	09/29/08
Antenna, Horn, 18 GHz	ETS	3117	C01005	04/22/09
Horn	EMCO	3115	C00872	04/22/09
Dipole	Speag	D900V2	NA	11/16/08
Spectrum Analyzer, 44 GHz	Agilent / HP	E4446A	C00945	05/30/09
Highpass Filter, 1.5 GHz	Micro-Tronics	HPM13193	N02689`	CNR
Highpass Filter, 2.7 GHz	Micro-Tronics	HPM13194	N02687	CNR
Signal Generator	R & S	SMP04	C00953	02/16/09
Communications Test Set	R & S	CMU200	C001131	04/16/09
Communications Test Set	Agilent / HP	E5515C	C01086	06/16/09

7. LIMITS AND RESULTS

7.1. RADIATED OUTPUT POWER

LIMITS

22.913(a) The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

24.232(b) Mobile/portable stations are limited to 2 watts e.i.r.p. peak power and the equipment must employ means to limit the power to the minimum necessary for successful communications.

27.50 (d) (2) Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band are limited to a peak EIRP of 1 watt.

TEST PROCEDURE

ANSI / TIA / EIA 603 Clause 2.2.17

RESULTS

CELL OUTPUT POWER (ERP)

High Frequency Substitution Measurement
Compliance Certification Services, Fremont 5m Chamber A

Company: KYOCERA WIRELESS
Project #: 08U11977
Date: 7/30/2008
Test Engineer: MENGISTU MEKURIA
Configuration: EUT (K38-02) ALONE
Mode: TX CELL CDMA MODE

Test Equipment:
Receiving: Sunol T130, and 5m Chamber N-type Cable (Setup this one for testing EUT)
Substitution: Dipole S/N: 00022117, and 4ft SMA Cable Warehouse S/N: 187208002.

f MHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
824.70	95.9	V	21.4	0.5	0.0	20.9	38.5	-17.5	
824.70	106.4	H	30.2	0.5	0.0	29.7	38.5	-8.8	
836.52	96.3	V	21.5	0.6	0.0	20.9	38.5	-17.6	
836.52	107.1	H	31.5	0.6	0.0	30.9	38.5	-7.5	
848.31	94.9	V	20.8	0.7	0.0	20.1	38.5	-18.3	
848.31	105.7	H	29.9	0.7	0.0	29.2	38.5	-9.2	

Rev. 1.24.7

PCS OUTPUT POWER (EIRP)

High Frequency Fundamental Measurement

Compliance Certification Services, Morgan Hill 5m Chamber Site

Company:	KYOCERA WIRELESS
Project #:	08U11977
Date:	7/31/2008
Test Engineer:	MENGISTU MEKURIA
Configuration:	EUT(K38-02) ALONE
Mode:	TX PCS CDMA MODE

Test Equipment:

Receiving: Horn T60, and 12ft S/N: 197209005 (Setup this one for testing EUT) Thanh Cable

Substitution: Horn T73 Substitution, 4ft SMA Cable Warehouse S/N: 177081002, Thanh cable

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch									
1.851	99.5	V	22.5	0.9	8.3	29.9	33.0	-3.1	
1.851	94.4	H	17.4	0.9	8.3	24.8	33.0	-8.2	
Mid Ch									
1.880	100.8	V	24.3	0.9	8.3	31.7	33.0	-1.3	
1.880	96.2	H	20.6	0.9	8.3	28.1	33.0	-4.9	
High Ch									
1.909	99.0	V	23.0	0.9	8.4	30.5	33.0	-2.5	
1.909	95.2	H	19.2	0.9	8.4	26.7	33.0	-6.3	

Rev. 1.24.7

AWS OUTPUT POWER (EIRP)

High Frequency Fundamental Measurement
Compliance Certification Services, Fremont 5m Chamber Site

Company: KYOCERA WIRELESS
Project #: 08U11977
Date: 8/3/2008
Test Engineer: MENGISTU MEKURIA
Configuration: EUT (K38-02) ALONE
Mode: TX CDMA MODE

Test Equipment:
Receiving: Horn T60, and 12ft S/N: 197209005 (Setup this one for testing EUT) Thanh Cable
Substitution: Horn T73 Substitution, 4ft SMA Cable Warehouse S/N: 177081002, Thanh cable

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch									
1.711	94.1	V	22.7	0.9	8.3	30.1	33.0	-2.9	
1.711	89.1	H	17.4	0.9	8.3	24.8	33.0	-8.2	
Mid Ch									
1.733	93.9	V	22.4	0.9	8.3	29.8	33.0	-3.2	
1.733	89.3	H	18.0	0.9	8.3	25.4	33.0	-7.6	
High Ch									
1.754	95.1	V	23.5	0.9	8.4	31.0	33.0	-2.0	
1.754	90.2	H	18.6	0.9	8.4	26.1	33.0	-6.9	

Rev. 1.24.7

7.2. FIELD STRENGTH OF SPURIOUS RADIATION

LIMIT

§22.917 (e) and §24.238(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

§24.238 (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

§27.53 (g) For operations in the 1710–1755MHz and 2110–2155 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10 (P) dB.

TEST PROCEDURE

ANSI / TIA / EIA 603 Clause 3.2.12 & FCC 22.917 (b), FCC 24.238 (b), & FCC 27.53 (g)(1)(2)(3)

RESULTS

CELL SPURIOUS & HARMONIC (ERP)

High Frequency Substitution Measurement
Compliance Certification Services, Fremont 5m A-Chamber

Company:	KYOCERA WIRELESS
Project #:	08U11977
Date:	7/31/2008
Test Engineer:	MENGISTU MEKURIA
Configuration:	EUT(K38-02) ALONE
Mode:	TX CELL BAND CDMA

Test Equipment:

EMCO Horn 1-18GHz: T60; S/N: 2238 @3m | Horn > 18GHz: | Limit: FCC 22 | ☑ High Pass Filter

Hi Frequency Cables: ☐ (2 ft) ☐ (2 ~ 3 ft) ☐ (4 ~ 6 ft) ☑ (12 ft)

Pre-amplifer 1-26GHz: T144 Miteq 3008A0(| Pre-amplifer 26-40GHz:

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch. (824.7 MHz)										
1.649	72.9	V	-34.2	3.8	7.1	4.9	-33.1	-13.0	-20.1	
2.474	69.2	V	-35.1	4.9	9.3	7.1	-32.9	-13.0	-19.9	
3.299	62.1	V	-38.3	5.6	9.4	7.3	-36.6	-13.0	-23.6	
4.124	58.0	V	-39.4	6.3	10.0	7.8	-37.9	-13.0	-24.9	
4.948	61.0	V	-35.4	7.0	11.0	8.8	-33.6	-13.0	-20.6	
5.773	54.2	V	-39.4	7.5	11.4	9.2	-37.6	-13.0	-24.6	
1.649	71.4	H	-35.0	3.8	7.1	4.9	-33.9	-13.0	-20.9	
2.474	66.5	H	-37.6	4.9	9.3	7.1	-35.3	-13.0	-22.3	
3.299	70.9	H	-29.4	5.6	9.4	7.3	-27.7	-13.0	-14.7	
4.124	60.1	H	-37.0	6.3	10.0	7.8	-35.5	-13.0	-22.5	
4.948	60.2	H	-35.8	7.0	11.0	8.8	-34.0	-13.0	-21.0	
5.773	47.9	H	-44.6	7.5	11.4	9.2	-42.9	-13.0	-29.9	
Mid Ch. (836.52 MHz)										
1.670	70.0	V	-37.0	3.9	7.1	5.0	-35.9	-13.0	-22.9	
2.506	64.3	V	-39.8	4.9	9.3	7.1	-37.6	-13.0	-24.6	
3.346	60.7	V	-39.6	5.6	9.5	7.3	-37.9	-13.0	-24.9	
4.183	52.6	V	-44.8	6.3	10.0	7.9	-43.2	-13.0	-30.2	
5.019	56.2	V	-38.7	7.1	11.0	8.9	-36.9	-13.0	-23.9	
5.857	46.8	V	-46.7	7.5	11.5	9.4	-44.9	-13.0	-31.9	
1.670	66.6	H	-39.7	3.9	7.1	5.0	-38.6	-13.0	-25.6	
2.506	61.4	H	-42.5	4.9	9.3	7.1	-40.3	-13.0	-27.3	
3.346	70.5	H	-29.7	5.6	9.5	7.3	-28.0	-13.0	-15.0	
4.183	56.9	H	-40.1	6.3	10.0	7.9	-38.5	-13.0	-25.5	
5.019	59.6	H	-34.4	7.1	11.0	8.9	-32.5	-13.0	-19.5	
5.857	47.3	H	-45.3	7.5	11.5	9.4	-43.4	-13.0	-30.4	
								-13.0		
Hi Ch. (848.31 MHz)										
1.697	74.2	V	-32.7	3.9	7.2	5.1	-31.5	-13.0	-18.5	
2.545	64.6	V	-39.3	4.9	9.3	7.1	-37.1	-13.0	-24.1	
3.393	58.1	V	-41.9	5.7	9.5	7.3	-40.2	-13.0	-27.2	
4.242	52.8	V	-44.4	6.4	10.1	8.0	-42.9	-13.0	-29.9	
5.090	53.8	V	-40.8	7.1	11.0	8.9	-39.1	-13.0	-26.1	
5.938	47.6	V	-45.9	7.6	11.6	9.5	-44.0	-13.0	-31.0	
1.697	72.8	H	-33.4	3.9	7.2	5.1	-32.2	-13.0	-19.2	
2.545	62.4	H	-41.3	4.9	9.3	7.1	-39.1	-13.0	-26.1	
3.393	69.7	H	-30.2	5.7	9.5	7.3	-28.6	-13.0	-15.6	
4.242	55.3	H	-41.7	6.4	10.1	8.0	-40.1	-13.0	-27.1	
5.090	56.5	H	-37.1	7.1	11.0	8.9	-35.3	-13.0	-22.3	
5.938	47.6	H	-45.0	7.6	11.6	9.5	-43.1	-13.0	-30.1	

Rev. 4.12.7

PCS Spurious & Harmonic (EIRP)

High Frequency Substitution Measurement
Compliance Certification Services, Fremont 5m A-Chamber

Company: KYOCERA WIRELESS
Project #: 08U11977
Date: 7/31/2008
Test Engineer: MENGISTU MEKURIA
Configuration: EUT(K38-02) ALONE
Mode: TX PCS BAND CDMA

Test Equipment:

EMCO Horn 1-18GHz: T60; S/N: 2238 @3m
Horn > 18GHz:
Limit: FCC 27
☑ High Pass Filter
Hi Frequency Cables: ☐ (2 ft) ☐ (2 ~ 3 ft) ☐ (4 ~ 6 ft) ☑ (12 ft)
Pre-amplifer 1-26GHz: T34 HP 8449B
Pre-amplifer 26-40GHz:

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch. (1711.25 MHz)										
3.423	49.0	V	-49.5	5.7	9.5	7.4	-45.6	-13.0	-32.6	
5.134	51.0	V	-41.8	7.2	11.0	8.9	-37.9	-13.0	-24.9	
6.845	47.0	V	-42.9	8.0	12.0	9.8	-38.9	-13.0	-25.9	
8.556	46.3	V	-42.0	8.8	12.4	10.2	-38.4	-13.0	-25.4	
10.268	46.4	V	-36.2	10.3	13.1	10.9	-33.5	-13.0	-20.5	
3.423	50.3	H	-48.0	5.7	9.5	7.4	-44.2	-13.0	-31.2	
5.134	52.5	H	-39.3	7.2	11.0	8.9	-35.4	-13.0	-22.4	
6.845	47.9	H	-41.3	8.0	12.0	9.8	-37.3	-13.0	-24.3	
8.556	46.5	H	-40.6	8.8	12.4	10.2	-37.0	-13.0	-24.0	
10.268	48.5	H	-33.1	10.3	13.1	10.9	-30.4	-13.0	-17.4	
Mid Ch. (1733 MHz)										
3.466	49.8	V	-48.5	5.7	9.5	7.4	-44.7	-13.0	-31.7	
5.199	58.4	V	-34.0	7.2	11.0	8.9	-30.2	-13.0	-17.2	
6.932	46.8	V	-42.8	8.0	12.0	9.8	-38.8	-13.0	-25.8	
8.665	46.4	V	-41.9	8.9	12.4	10.3	-38.4	-13.0	-25.4	
10.398	48.8	V	-33.7	10.5	13.2	11.0	-31.0	-13.0	-18.0	
3.466	50.4	H	-47.8	5.7	9.5	7.4	-44.0	-13.0	-31.0	
5.199	52.9	H	-38.5	7.2	11.0	8.9	-34.7	-13.0	-21.7	
6.932	46.0	H	-42.9	8.0	12.0	9.8	-39.0	-13.0	-26.0	
8.665	46.3	H	-40.9	8.9	12.4	10.3	-37.3	-13.0	-24.3	
10.398	47.8	H	-33.6	10.5	13.2	11.0	-30.9	-13.0	-17.9	
Hi Ch. (1753.75 MHz)										
3.508	49.7	V	-48.4	5.8	9.6	7.4	-44.7	-13.0	-31.7	
5.261	51.1	V	-41.2	7.3	11.0	8.8	-37.4	-13.0	-24.4	
7.015	45.6	V	-44.0	8.1	12.0	9.8	-40.1	-13.0	-27.1	
8.769	45.9	V	-42.6	8.9	12.5	10.4	-39.0	-13.0	-26.0	
10.523	48.7	V	-33.6	10.6	13.3	11.1	-30.9	-13.0	-17.9	
3.508	51.5	H	-46.5	5.8	9.6	7.4	-42.8	-13.0	-29.8	
5.261	52.5	H	-38.8	7.3	11.0	8.8	-35.0	-13.0	-22.0	
7.015	46.3	H	-42.5	8.1	12.0	9.8	-38.6	-13.0	-25.6	
8.769	47.2	H	-40.0	8.9	12.5	10.4	-36.4	-13.0	-23.4	
10.523	47.6	H	-33.7	10.6	13.3	11.1	-31.0	-13.0	-18.0	

Rev. 4.12.7

AWS Spurious & Harmonic (EIRP)

High Frequency Substitution Measurement
Compliance Certification Services, Fremont 5m A-Chamber

Company: KYOCERA WIRELESS
Project #: 08U11977
Date: 7/31/2008
Test Engineer: MENGISTU MEKURIA
Configuration: EUT(K38-02) ALONE
Mode: TX PCS BAND CDMA

Test Equipment:

EMCO Horn 1-18GHz: T60; S/N: 2238 @3m
Horn > 18GHz:
Limit: FCC 24
High Pass Filter
Hi Frequency Cables: (2 ft) (2 ~ 3 ft) (4 ~ 6 ft) (12 ft)
Pre-amplifer 1-26GHz: T144 Miteq 3008A0(
Pre-amplifer 26-40GHz:

f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
Low Ch. (1851.25 MHz)										
3.703	55.8	V	-43.0	5.9	9.7	7.5	-39.3	-13.0	-26.3	
5.554	53.2	V	-40.1	7.4	11.0	8.9	-36.5	-13.0	-23.5	
7.405	49.3	V	-41.4	8.3	12.0	9.8	-37.7	-13.0	-24.7	
9.256	50.4	V	-39.3	9.3	12.7	10.6	-35.9	-13.0	-22.9	
3.703	50.2	H	-48.6	5.9	9.7	7.5	-44.9	-13.0	-31.9	
5.554	55.5	H	-36.9	7.4	11.0	8.9	-33.3	-13.0	-20.3	
7.405	46.6	H	-43.3	8.3	12.0	9.8	-39.6	-13.0	-26.6	
9.256	53.1	H	-36.6	9.3	12.7	10.6	-33.2	-13.0	-20.2	
Mid Ch. (1880 MHz)										
3.760	52.3	V	-46.4	6.0	9.7	7.5	-42.7	-13.0	-29.7	
5.640	48.2	V	-45.3	7.4	11.2	9.0	-41.5	-13.0	-28.5	
7.520	46.4	V	-44.1	8.3	12.0	9.8	-40.4	-13.0	-27.4	
9.400	46.5	V	-42.9	9.4	12.7	10.6	-39.6	-13.0	-26.6	
3.760	50.3	H	-48.2	6.0	9.7	7.5	-44.5	-13.0	-31.5	
5.640	52.6	H	-39.9	7.4	11.2	9.0	-36.2	-13.0	-23.2	
7.520	45.6	H	-44.1	8.3	12.0	9.8	-40.4	-13.0	-27.4	
9.400	50.5	H	-38.9	9.4	12.7	10.6	-35.6	-13.0	-22.6	
Hi Ch. (1908.75 MHz)										
3.818	52.2	V	-46.2	6.0	9.7	7.6	-42.6	-13.0	-29.6	
5.726	50.7	V	-42.9	7.5	11.3	9.2	-39.1	-13.0	-26.1	
7.635	48.0	V	-42.2	8.4	12.0	9.8	-38.6	-13.0	-25.6	
9.544	47.9	V	-41.2	9.6	12.7	10.6	-38.1	-13.0	-25.1	
3.818	51.1	H	-47.3	6.0	9.7	7.6	-43.6	-13.0	-30.6	
5.726	55.5	H	-37.1	7.5	11.3	9.2	-33.3	-13.0	-20.3	
7.635	46.4	H	-43.1	8.4	12.0	9.8	-39.5	-13.0	-26.5	
9.544	51.7	H	-37.4	9.6	12.7	10.6	-34.3	-13.0	-21.3	

Rev. 4.12.7