



**RADIATED SPURIOUS EMISSIONS PORTIONS OF**

**FCC CFR47 PART 22 SUBPART H**

**FCC CFR47 PART 24 SUBPART E**

**FCC CFR47 PART 27 SUBPART L**

**CERTIFICATION TEST REPORT**

**FOR**

**TRI-BAND CDMA PHONE WITH BLUETOOTH EDR AND WIFI**

**FCC MODEL NUMBER: M6000**

**FCC ID: V65M6000**

**REPORT NUMBER: 09U12955-1**

**ISSUE DATE: DECEMBER 08, 2009**

*Prepared for*

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

*Prepared by*

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**NVLAP LAB CODE 200065-0**

Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
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# 1. ATTESTATION OF TEST RESULTS

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

**EUT DESCRIPTION:** TRI-BAND CDMA PHONE WITH BLUETOOTH, EDR, AND WIFI

**MODEL:** M6000

**SERIAL NUMBER:** 1095889600E

**DATE TESTED:** DECEMBER 07 AND 08, 2009

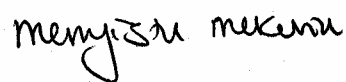
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC PART 22H, 24E, AND 27L	PASS (Radiated Portion)

Compliance Certification Services, Inc. (CCS) tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by CCS based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. 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:

Tested By:



THU CHAN  
EMC MANAGER  
COMPLIANCE CERTIFICATION SERVICES

MENGISTU MEKURIA  
EMC ENGINEER  
COMPLIANCE CERTIFICATION SERVICES

## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with TIA-603-C, FCC CFR 47 Part 2, FCC CFR 47 Part 22, FCC CFR Part 24, and FCC Part 27.

## 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. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$\text{Field Strength (dBuV/m)} = \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} - \text{Preamp Gain (dB)}$$

$$36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$$

### 4.3. MEASUREMENT UNCERTAINTY

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

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	3.52 dB
Radiated Disturbance, 30 to 1000 MHz	4.94 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, EDR, and WiFi featured Tri-band CDMA Phone that manufactured by Kyocera Wireless Corporations

### 5.2. MAXIMUM OUTPUT POWER

The transmitter has a maximum 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	25.2	331.1
Mid CH - 836.52		27.7	588.8
High CH - 848.31		27.6	575.4

1850 to 1910 MHz Authorized Band

Frequency Range (MHz)	Modulation	EIRP Peak Power (dBm)	EIRP Peak Power (mW)
Low CH - 1851.25	CDMA2000	28.4	691.8
Mid CH - 1880.00		27.9	616.6
High CH - 1908.75		27.5	562.3

1710 to 1755 MHz Authorized Band

Frequency Range (MHz)	Modulation	EIRP Peak Power (dBm)	EIRP Peak Power (mW)
Low CH - 1711.25	AWS	23.9	245.5
MID-Ch- 1733.00		25.9	389.0
High CH - 1753.75		25.0	316.2

### 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 AC/DC adapter, after the investigations, the worst-position was turned out to be an Z-position without AC/DC adapter for Cell band and X-position without AC/DC for AWS, and PCS bands.

#### 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.

<u>Application</u>	<u>Rev, License</u>
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) > 2  
> 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	SCP-21ADT	4209A	DoC
Headset	N/A	N/A	N/A	N/A

### I/O CABLES

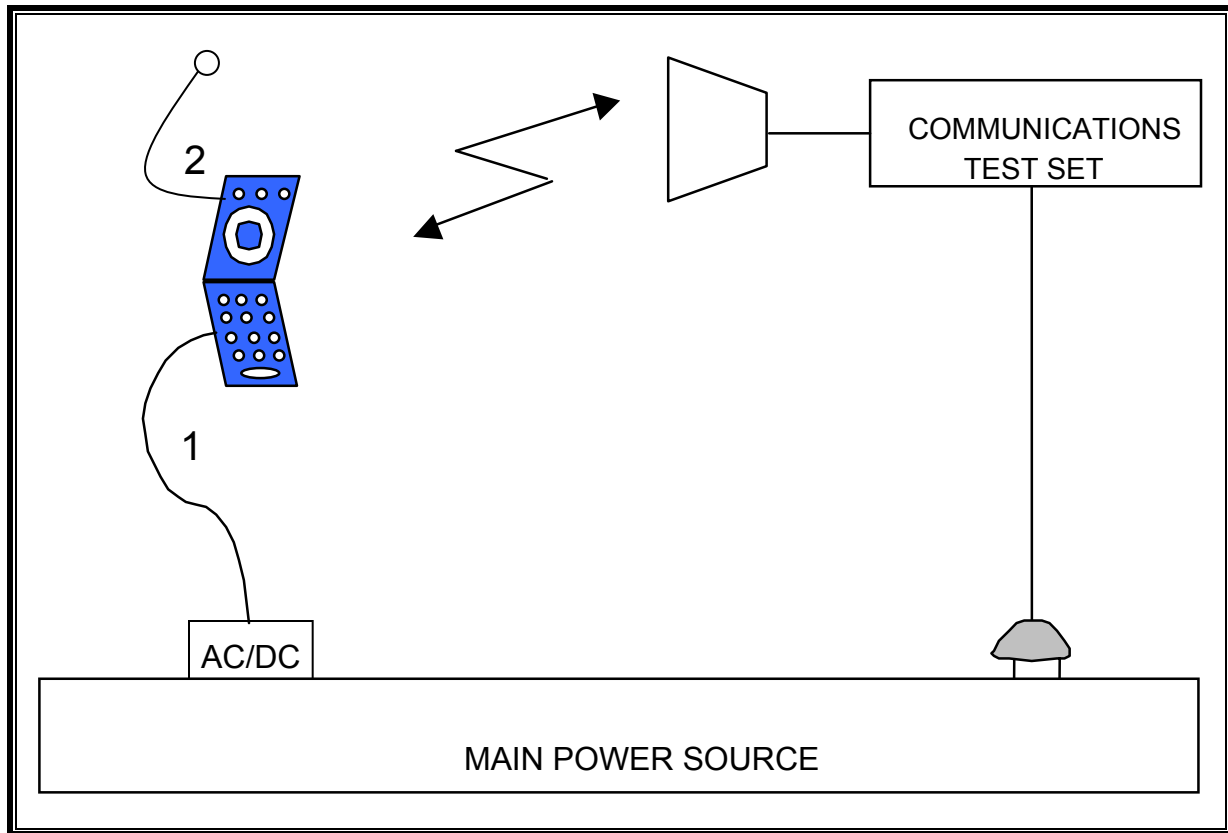
I/O CABLE LIST						
Cable No.	Port	# of Identical Ports	Connector Type	Cable Type	Cable Length	Remarks
1	DC Input	1	Mini-USB	Un-Shielded	2.0 m	N/A
2	AUDIO	1	Mini-Jack	Un-Shielded	1.0 m	Volume Control on the wire

### 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. TEST 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	C01063	02/04/10
Antenna, Bilog, 2 GHz	Sunol Sciences	JB1	C01016	01/14/10
Antenna, Horn, 18 GHz	EMCO	3115	C00783	01/29/10
Antenna, Horn, 18 GHz	EMCO	3115	C00943	01/29/10
Dipole	Speag	D900V2	NA	11/16/11
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	02/16/11
Communications Test Set	Agilent / HP	E5515C	C01086	06/16/10
Spectrum Analyzer, 26.5 GHz	Agilent / HP	E4440A	C01178	08/31/10

## **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 Chamber B							
<b>Company:</b>		KYOCERA WIRELESS					
<b>Project #:</b>		09U12955					
<b>Date:</b>		12/7/2009					
<b>Test Engineer:</b>		MENGISTU MEKURIA					
<b>Configuration:</b>		EUT ALONE					
<b>Mode:</b>		TX, CELLI MODE					
<b>Test Equipment:</b>							
Receiving: Sunol T130, and 3m Chamber N-type Cable (Setup this one for testing EUT)							
Substitution: Dipole S/N: 00022117, 6ft SMA Cable (SN # 208947003) Warehouse.							
f MHz	SA reading (dBm)	Ant. Pol. (H/V)	Path Loss (dBm)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
824.70	-7.4	V	32.6	25.2	38.5	-13.2	
824.70	-13.2	H	30.4	17.2	38.5	-21.3	
836.52	-5.0	V	32.7	27.7	38.5	-10.8	
836.52	-13.4	H	30.7	17.4	38.5	-21.1	
848.31	-4.4	V	32.0	27.6	38.5	-10.9	
848.31	-13.7	H	30.8	17.0	38.5	-21.4	
Rev. 1.24.7							

**PCS OUTPUT POWER (EIRP)**

High Frequency Fundamental Measurement Compliance Certification Services Chamber B							
<b>Company:</b>		KYOCERA WIRELESS					
<b>Project #:</b>		09U12955					
<b>Date:</b>		12/7/2009					
<b>Test Engineer:</b>		MENGISTU MEKURIA					
<b>Configuration:</b>		EUT ALONE					
<b>Mode:</b>		TX, PCS MODE					
<b>Test Equipment:</b>							
Receiving: Horn T59, and Camber B SMA Cables							
Substitution: Horn T72 Substitution, 6ft SMA Cable (208947003) Warehouse							
f GHz	SA reading (dBm)	Ant. Pol. (H/V)	Path Loss (dBm)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
1.851	-20.0	V	40.2	20.1	33.0	-12.9	
1.851	-11.1	H	39.5	28.4	33.0	-4.7	
1.880	-14.5	V	40.3	25.7	33.0	-7.3	
1.880	-12.2	H	40.1	27.9	33.0	-5.1	
1.909	-21.5	V	40.2	18.7	33.0	-14.3	
1.909	-12.6	H	40.1	27.5	33.0	-5.5	
Rev. 1.24.7							

**AWS OUTPUT POWER (EIRP)**

High Frequency Fundamental Measurement Compliance Certification Services Chamber A							
<b>Company:</b>		KYOCERA WIRELESS					
<b>Project #:</b>		09U12955					
<b>Date:</b>		12/7/2009					
<b>Test Engineer:</b>		MENGISTU MEKURIA					
<b>Configuration:</b>		EUT ALONE					
<b>Mode:</b>		TX, AWS MODE					
<b><u>Test Equipment:</u></b>							
Receiving: Horn T59, and Camber B SMA Cables							
Substitution: Horn T72 Substitution, 6ft SMA Cable (208947003) Warehouse							
f GHz	SA reading (dBm)	Ant. Pol. (H/V)	Path Loss (dBm)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
1.711	-28.7	V	39.9	11.1	30.0	-18.9	
1.711	-14.7	H	38.6	23.9	30.0	-6.1	
1.733	-26.9	V	40.4	13.5	30.0	-16.5	
1.733	-13.3	H	39.2	25.9	30.0	-4.1	
1.754	-26.2	V	40.2	14.0	30.0	-16.0	
1.754	-14.6	H	39.6	25.0	30.0	-5.1	
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.

§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  $43 + 10 \log_{10} (P)$  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)**

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:		KYOCERA WIRELESS								
Project #:		09U12955								
Date:		12/8/2009								
Test Engineer:		MENGISTU MEKURIA								
Configuration:		EUT ALONE								
Mode:		TX, CELL MODE								
Chamber		Pre-amplifier		Filter		Limit				
5m Chamber B		T145 8449B		Filter 1		FCC PART 22				
f GHz	SA reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Path Loss (dB)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch. (824.7 MHz)</b>										
1.649	-27.5	H	3.0	37.2	35.5	1.0	-24.8	-13.0	-11.8	
2.474	-43.7	H	3.0	39.8	35.4	1.0	-38.2	-13.0	-25.2	
3.299	-40.5	H	3.0	44.0	35.5	1.0	-31.1	-13.0	-18.1	
4.124	-45.9	H	3.0	46.7	35.2	1.0	-33.5	-13.0	-20.5	
4.948	-53.9	H	3.0	48.8	35.3	1.0	-39.5	-13.0	-26.5	
5.773	-59.3	H	3.0	50.4	35.5	1.0	-43.3	-13.0	-30.3	
6.598	-64.6	H	3.0	51.8	35.6	1.0	-47.4	-13.0	-34.4	
7.422	-65.6	H	3.0	53.0	35.7	1.0	-47.3	-13.0	-34.3	
1.649	-27.4	V	3.0	36.8	35.5	1.0	-25.1	-13.0	-12.1	
2.474	-47.0	V	3.0	41.7	35.4	1.0	-39.7	-13.0	-26.7	
3.299	-40.2	V	3.0	44.1	35.5	1.0	-30.6	-13.0	-17.6	
4.124	-46.3	V	3.0	46.2	35.2	1.0	-34.4	-13.0	-21.4	
4.948	-54.6	V	3.0	48.2	35.3	1.0	-40.7	-13.0	-27.7	
5.773	-58.0	V	3.0	49.4	35.5	1.0	-43.0	-13.0	-30.0	
6.598	-62.8	V	3.0	50.4	35.6	1.0	-47.0	-13.0	-34.0	
7.422	-62.4	V	3.0	51.3	35.7	1.0	-45.8	-13.0	-32.8	
<b>Mid Ch. (836.52 MHz)</b>										
1.673	-27.7	H	3.0	37.5	35.5	1.0	-24.8	-13.0	-11.8	
2.510	-48.7	H	3.0	39.9	35.4	1.0	-43.2	-13.0	-30.2	
3.346	-39.3	H	3.0	44.1	35.5	1.0	-29.7	-13.0	-16.7	
4.183	-42.8	H	3.0	46.8	35.2	1.0	-30.2	-13.0	-17.2	
5.019	-51.6	H	3.0	48.9	35.3	1.0	-37.0	-13.0	-24.0	
5.856	-57.0	H	3.0	50.5	35.5	1.0	-41.0	-13.0	-28.0	
6.692	-64.5	H	3.0	52.0	35.7	1.0	-47.1	-13.0	-34.1	
7.529	-66.0	H	3.0	53.1	35.7	1.0	-47.5	-13.0	-34.5	
1.673	-28.0	V	3.0	37.1	35.5	1.0	-25.4	-13.0	-12.4	
2.510	-46.7	V	3.0	41.8	35.4	1.0	-39.3	-13.0	-26.3	
3.346	-37.2	V	3.0	44.3	35.5	1.0	-27.4	-13.0	-14.4	
4.183	-43.7	V	3.0	46.3	35.2	1.0	-31.6	-13.0	-18.6	
5.019	-51.5	V	3.0	48.3	35.3	1.0	-37.5	-13.0	-24.5	
5.856	-55.8	V	3.0	49.5	35.5	1.0	-40.7	-13.0	-27.7	
6.692	-61.6	V	3.0	50.5	35.7	1.0	-45.8	-13.0	-32.8	
7.529	-60.3	V	3.0	51.5	35.7	1.0	-43.5	-13.0	-30.5	
<b>Hi Ch. (848.31 MHz)</b>										
1.697	-31.2	H	3.0	37.7	35.5	1.0	-28.0	-13.0	-15.0	
2.545	-53.3	H	3.0	40.1	35.4	1.0	-47.6	-13.0	-34.6	
3.393	-45.9	H	3.0	44.3	35.5	1.0	-36.1	-13.0	-23.1	
4.242	-48.2	H	3.0	47.0	35.2	1.0	-35.5	-13.0	-22.5	
5.090	-55.0	H	3.0	49.1	35.3	1.0	-40.1	-13.0	-27.1	
5.938	-59.8	H	3.0	50.7	35.5	1.0	-43.6	-13.0	-30.6	
6.786	-65.4	H	3.0	52.1	35.7	1.0	-48.0	-13.0	-35.0	
7.635	-66.0	H	3.0	53.2	35.7	1.0	-47.5	-13.0	-34.5	
1.697	-31.3	V	3.0	37.4	35.5	1.0	-28.4	-13.0	-15.4	
2.545	-53.6	V	3.0	42.0	35.4	1.0	-46.1	-13.0	-33.1	
3.393	-46.6	V	3.0	44.4	35.5	1.0	-36.7	-13.0	-23.7	
4.242	-48.0	V	3.0	46.4	35.2	1.0	-35.8	-13.0	-22.8	
5.090	-55.1	V	3.0	48.5	35.3	1.0	-40.9	-13.0	-27.9	
5.938	-59.5	V	3.0	49.6	35.5	1.0	-44.4	-13.0	-31.4	
6.786	-65.7	V	3.0	50.6	35.7	1.0	-49.9	-13.0	-36.9	
7.635	-65.7	V	3.0	51.6	35.7	1.0	-48.8	-13.0	-35.8	

Rev. 03.03.09



**PCS Spurious & Harmonic (EIRP)**

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement											
Company:		KYOCERA WIRELESS									
Project #:		09U12955									
Date:		12/8/2009									
Test Engineer:		MENGISTU MEKURIA									
Configuration:		EUT ALONE									
Mode:		TX, PCS MODE									
Chamber		Pre-amplifier			Filter			Limit			
5m Chamber B		T145 8449B			Filter 1			FCC PART 24			
f GHz	SA reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Path Loss (dB)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes	
<b>Low Ch. (1851.25 MHz)</b>											
3.703	51.4	H	3.0	45.3	35.4	1.0	-40.4	-13.0	-27.4		
5.554	53.9	H	3.0	50.0	35.4	1.0	-38.3	-13.0	-25.3		
7.405	59.1	H	3.0	53.0	35.7	1.0	-40.8	-13.0	-27.8		
9.256	55.4	H	3.0	55.1	35.6	1.0	-34.9	-13.0	-21.9		
11.108	62.8	H	3.0	56.0	34.8	1.0	-40.5	-13.0	-27.5		
12.959	57.5	H	3.0	57.6	34.0	1.0	-32.9	-13.0	-19.9		
14.810	60.3	H	3.0	60.3	33.6	1.0	-32.6	-13.0	-19.6		
3.703	50.8	V	3.0	45.1	35.4	1.0	-40.0	-13.0	-27.0		
5.554	50.5	V	3.0	49.2	35.4	1.0	-35.7	-13.0	-22.7		
7.405	59.3	V	3.0	51.3	35.7	1.0	-42.7	-13.0	-29.7		
9.256	51.3	V	3.0	53.6	35.6	1.0	-32.3	-13.0	-19.3		
11.108	63.8	V	3.0	55.9	34.8	1.0	-41.7	-13.0	-28.7		
12.959	52.8	V	3.0	58.0	34.0	1.0	-27.7	-13.0	-14.7		
14.810	54.1	V	3.0	60.1	33.6	1.0	-26.6	-13.0	-13.6		
<b>Mid Ch. (1880.0 MHz)</b>											
3.760	51.7	H	3.0	45.5	35.3	1.0	-40.5	-13.0	-27.5		
5.640	50.0	H	3.0	50.2	35.4	1.0	-34.3	-13.0	-21.3		
7.520	58.8	H	3.0	53.1	35.7	1.0	-40.4	-13.0	-27.4		
9.400	57.2	H	3.0	55.2	35.6	1.0	-36.6	-13.0	-23.6		
11.280	59.4	H	3.0	56.1	34.7	1.0	-37.0	-13.0	-24.0		
13.160	58.3	H	3.0	57.9	34.0	1.0	-33.4	-13.0	-20.4		
15.040	61.5	H	3.0	60.5	33.5	1.0	-33.5	-13.0	-20.5		
3.760	50.8	V	3.0	45.3	35.3	1.0	-39.8	-13.0	-26.8		
5.640	46.5	V	3.0	49.3	35.4	1.0	-31.7	-13.0	-18.7		
7.520	57.8	V	3.0	51.4	35.7	1.0	-41.0	-13.0	-28.0		
9.400	50.8	V	3.0	53.7	35.6	1.0	-31.6	-13.0	-18.6		
11.280	58.0	V	3.0	56.1	34.7	1.0	-35.6	-13.0	-22.6		
13.160	51.8	V	3.0	58.3	34.0	1.0	-26.5	-13.0	-13.5		
15.040	53.1	V	3.0	60.2	33.5	1.0	-25.4	-13.0	-12.4		
<b>Hi Ch. (1908.75 MHz)</b>											
3.818	52.1	H	3.0	45.7	35.3	1.0	-40.7	-13.0	-27.7		
5.726	54.0	H	3.0	50.3	35.4	1.0	-38.2	-13.0	-25.2		
7.635	60.6	H	3.0	53.2	35.7	1.0	-42.1	-13.0	-29.1		
9.544	60.2	H	3.0	55.4	35.6	1.0	-39.4	-13.0	-26.4		
11.453	59.5	H	3.0	56.1	34.6	1.0	-37.0	-13.0	-24.0		
13.361	59.0	H	3.0	58.2	33.9	1.0	-33.8	-13.0	-20.8		
15.270	60.1	H	3.0	60.0	33.4	1.0	-32.5	-13.0	-19.5		
3.818	52.3	V	3.0	45.4	35.3	1.0	-41.1	-13.0	-28.1		
5.726	54.4	V	3.0	49.4	35.4	1.0	-39.4	-13.0	-26.4		
7.635	57.0	V	3.0	51.6	35.7	1.0	-40.1	-13.0	-27.1		
9.544	53.6	V	3.0	53.9	35.6	1.0	-34.3	-13.0	-21.3		
11.453	60.5	V	3.0	56.3	34.6	1.0	-37.7	-13.0	-24.7		
13.361	51.7	V	3.0	58.5	33.9	1.0	-26.2	-13.0	-13.2		
15.270	52.2	V	3.0	59.6	33.4	1.0	-24.9	-13.0	-11.9		
Rev. 03.03.09											

**AWS Spurious & Harmonic (EIRP)**

Compliance Certification Services Above 1GHz High Frequency Substitution Measurement										
Company:		KYOCERA WIRELESS								
Project #:		09U12955								
Date:		12/7/2009								
Test Engineer:		MENGISTU MEKURIA								
Configuration:		EUT ALONE								
Mode:		TX, AWS MODE								
Chamber		Pre-amplifier			Filter			Limit		
5m Chamber B		T145 8449B			Filter 1			FCC PART 27		
f GHz	SA reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Path Loss (dB)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
<b>Low Ch. (1711.25 MHz)</b>										
3.423	-57.2	H	3.0	44.4	35.5	1.0	-47.3	-13.0	-34.3	
5.134	-66.3	H	3.0	49.2	35.3	1.0	-51.4	-13.0	-38.4	
6.845	-65.5	H	3.0	52.2	35.7	1.0	-48.0	-13.0	-35.0	
8.556	-61.9	H	3.0	54.3	35.6	1.0	-42.3	-13.0	-29.3	
10.268	-68.4	H	3.0	55.9	35.3	1.0	-46.8	-13.0	-33.8	
3.423	-54.3	V	3.0	44.4	35.5	1.0	-44.3	-13.0	-31.3	
5.134	-65.8	V	3.0	48.6	35.3	1.0	-51.5	-13.0	-38.5	
6.845	-62.6	V	3.0	50.6	35.7	1.0	-46.7	-13.0	-33.7	
8.556	-57.6	V	3.0	52.7	35.6	1.0	-39.5	-13.0	-26.5	
10.268	-65.6	V	3.0	54.8	35.3	1.0	-45.1	-13.0	-32.1	
<b>Mid Ch. (1733.0 MHz)</b>										
3.466	-56.3	H	3.0	44.5	35.5	1.0	-46.2	-13.0	-33.2	
5.199	-65.5	H	3.0	49.4	35.3	1.0	-50.5	-13.0	-37.5	
6.932	-64.7	H	3.0	52.4	35.7	1.0	-47.0	-13.0	-34.0	
8.665	-63.5	H	3.0	54.4	35.6	1.0	-43.7	-13.0	-30.7	
10.398	-63.4	H	3.0	56.0	35.3	1.0	-41.7	-13.0	-28.7	
3.466	-57.4	V	3.0	44.6	35.5	1.0	-47.4	-13.0	-34.4	
5.199	-65.6	V	3.0	48.8	35.3	1.0	-51.1	-13.0	-38.1	
6.932	-65.2	V	3.0	50.7	35.7	1.0	-49.2	-13.0	-36.2	
8.665	-60.7	V	3.0	52.8	35.6	1.0	-42.5	-13.0	-29.5	
10.398	-56.5	V	3.0	55.0	35.3	1.0	-35.7	-13.0	-22.7	
<b>Hi Ch. (1753.75 MHz)</b>										
3.508	-57.7	H	3.0	44.7	35.4	1.0	-47.4	-13.0	-34.4	
5.261	-65.4	H	3.0	49.5	35.3	1.0	-50.2	-13.0	-37.2	
7.015	-66.1	H	3.0	52.5	35.7	1.0	-48.3	-13.0	-35.3	
8.769	-64.7	H	3.0	54.5	35.6	1.0	-44.8	-13.0	-31.8	
10.523	-66.6	H	3.0	56.0	35.2	1.0	-44.8	-13.0	-31.8	
3.508	-53.1	V	3.0	44.7	35.4	1.0	-42.9	-13.0	-29.9	
5.261	-65.7	V	3.0	48.9	35.3	1.0	-51.2	-13.0	-38.2	
7.015	-65.2	V	3.0	50.8	35.7	1.0	-49.1	-13.0	-36.1	
8.769	-62.5	V	3.0	53.0	35.6	1.0	-44.2	-13.0	-31.2	
10.523	-61.7	V	3.0	55.1	35.2	1.0	-40.8	-13.0	-27.8	

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