



RADIATED SPURIOUS EMISSIONS PORTIONS OF
FCC CFR47 PART 15 SUBPART C
FOR
DUAL-BAND 1xRTT CDMA PHONE WITH BLUETOOTH AND WIFI
MODEL NUMBER: SCP-8600
FCC ID: V65SCP-8600
REPORT NUMBER: 10U13193-3
ISSUE DATE: MAY 13, 2010

Prepared for
KYOCERA COMMUNICATIONS, INC
10300 CAMPUS POINT DRIVE
SAN DIEGO, CA 92121, U.S.A.

Prepared by
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NVLAP[®]
NVLAP LAB CODE 200065-0

Revision History

| Rev. | Issue Date | Revisions | Revised By |
|------|------------|---------------|------------|
| --- | 05/13/10 | Initial Issue | T. Chan |

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: KYOCERA COMMUNICATIONS, INC
10300 CAMPUS POINT DRIVE
SAN DIEGO, CA 92121, U.S.A.

EUT DESCRIPTION: DUAL-BAND 1xRTT CDMA PHONE WITH BLUETOOTH AND WIFI

MODEL: SCP-8600

SERIAL NUMBER: A0000012FEED44

DATE TESTED: MAY 11-12, 2010

| APPLICABLE STANDARDS | |
|--------------------------|--------------------------|
| STANDARD | TEST RESULTS |
| CFR 47 Part 15 Subpart C | 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 CCS and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by CCS will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Approved & Released For CCS By:



THU CHAN
EMC MANAGER
COMPLIANCE CERTIFICATION SERVICES

Tested By:



CHIN PANG
EMC ENGINEER
COMPLIANCE CERTIFICATION SERVICES

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2009, FCC CFR 47 Part 2, and FCC CFR 47 Part 15.

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:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamp Gain (dB)} \\ 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} &= 28.9 \text{ dBuV/m} \end{aligned}$$

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 featured Dual-band CDMA Phone with Bluetooth and WiFi feature that manufactured by KYOCERA Communications, Inc.

5.2. DESCRIPTION OF AVAILABLE ANTENNAS

The radio utilizes an internal antenna, with a maximum gain of -1.0dBi.

5.3. SOFTWARE AND FIRMWARE

The firmware installed in the EUT during testing was 1.0.10.0.

The test utility software used during testing was FCC_tools.

5.4. WORST-CASE CONFIGURATION

The EUT has been evaluated at X, Y, Z-axis, and AC/DC adapter. The highest measured output power was at X-Axis with AC/DC adapter.

5.5. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

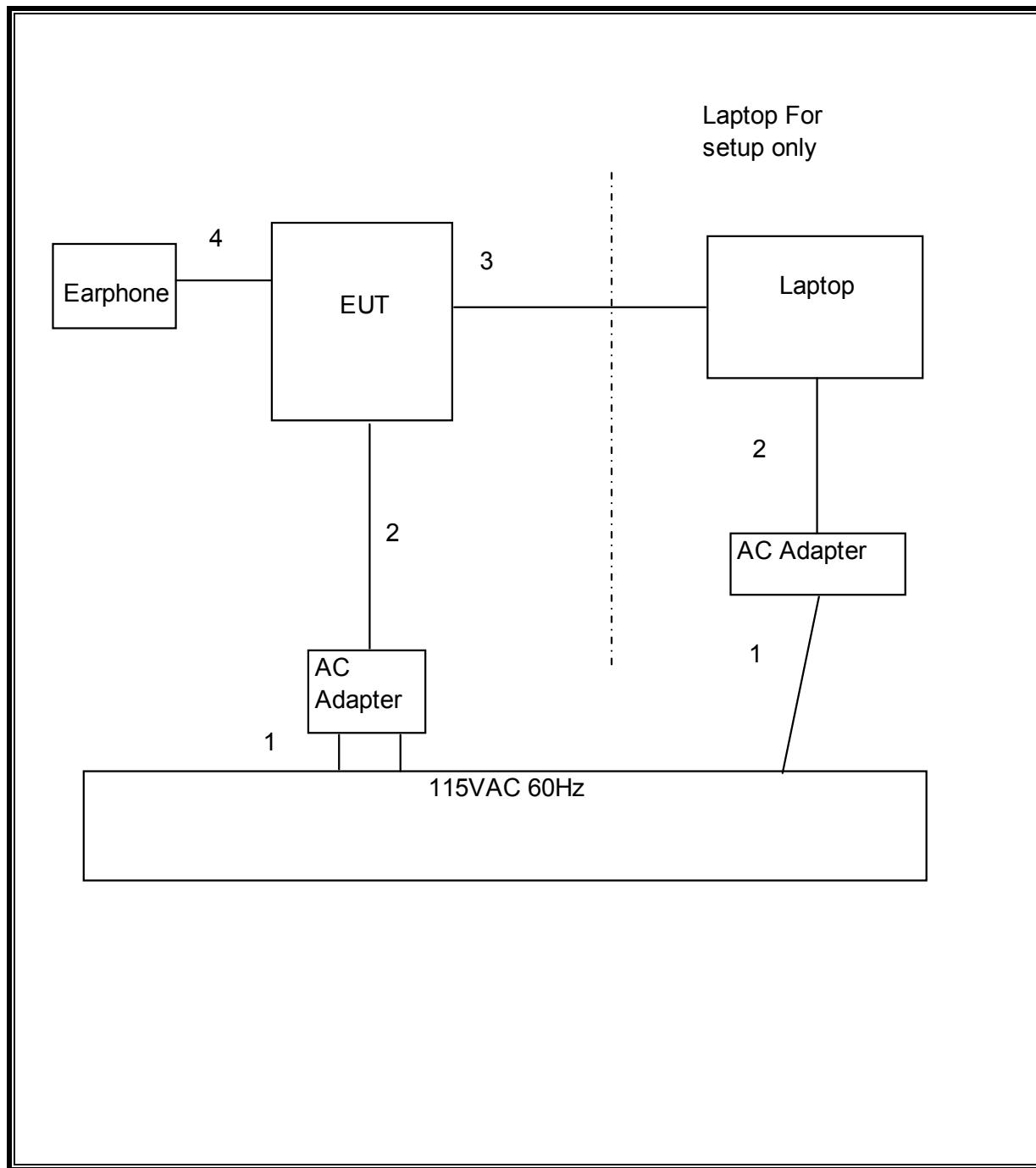
| PERIPHERAL SUPPORT EQUIPMENT LIST | | | | |
|-----------------------------------|--------------|------------|--------------------------|--------------|
| Description | Manufacturer | Model | Serial Number | FCC ID |
| Laptop PC | Dell | D620 | CCS # C01095 | E2KWM3945ABG |
| AC Adapter | Dell | LA65NS0-00 | CN-ODF263-71615-720-2D21 | N/A |
| AC Adapter | Sanyo | SCP-24ADT | NA | NA |
| Headset | N/A | N/A | N/A | N/A |

I/O CABLES

| I/O CABLE LIST | | | | | | |
|----------------|----------|--------------------|----------------|-------------|--------------|---------|
| Cable No. | Port | # of Identic Ports | Connector Type | Cable Type | Cable Length | Remarks |
| 1 | AC | 2 | US115V | Un-Shielded | 1m | NA |
| 2 | DC Input | 2 | Mini-USB | Un-Shielded | 2m | N/A |
| 3 | USB | 1 | Mini-USB | Un-Shielded | 1m | N/A |
| 4 | AUDIO | 1 | Mini-Jack | Un-Shielded | 1.2m | NA |

TEST SETUP

The headset attached EUT is tested as stand-alone unit. The support laptop is used only to setup, change channels and modulations for the EUT.

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 | C01052 | 08/04/10 |
| Antenna, Horn, 18 GHz | EMCO | 3115 | C00945 | 07/29/10 |
| Preamplifier, 1300 MHz | Agilent / HP | 8447D | C00885 | 07/06/10 |
| Antenna, Bilog, 2 GHz | Sunol Sciences | JB1 | C01016 | 07/14/10 |
| Spectrum Analyzer, 26.5 GHz | Agilent / HP | E4440A | C01178 | 08/31/10 |
| EMI Test Receiver, 30 MHz | R & S | ESHS 20 | N02396 | 05/06/11 |
| LISN, 30 MHz | FCC | LISN-50/250-25-2 | N02625 | 11/06/10 |
| Reject Filter, 2.4-2.5 GHz | Micro-Tronics | BRC13192 | N02683 | CNR |

7. RADIATED TEST RESULTS

7.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

| Frequency Range (MHz) | Field Strength Limit (uV/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m |
|-----------------------|------------------------------------|--------------------------------------|
| 30 - 88 | 100 | 40 |
| 88 - 216 | 150 | 43.5 |
| 216 - 960 | 200 | 46 |
| Above 960 | 500 | 54 |

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.4. The EUT is set to transmit in a continuous mode.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 1 MHz for peak measurements and 10 Hz for average measurements.

The spectrum from 30 MHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in the 2.4 GHz band.

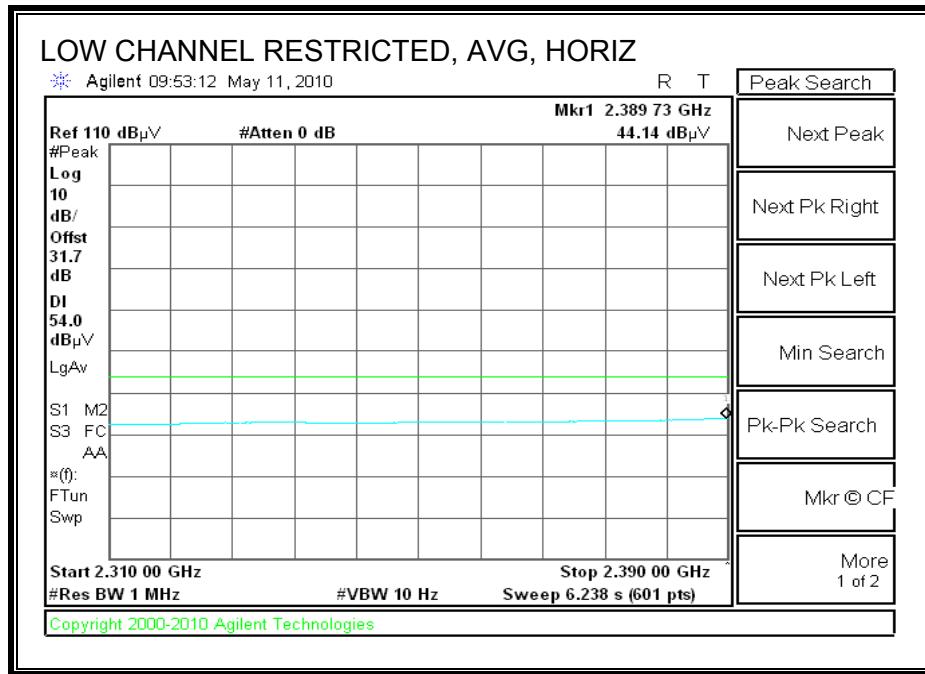
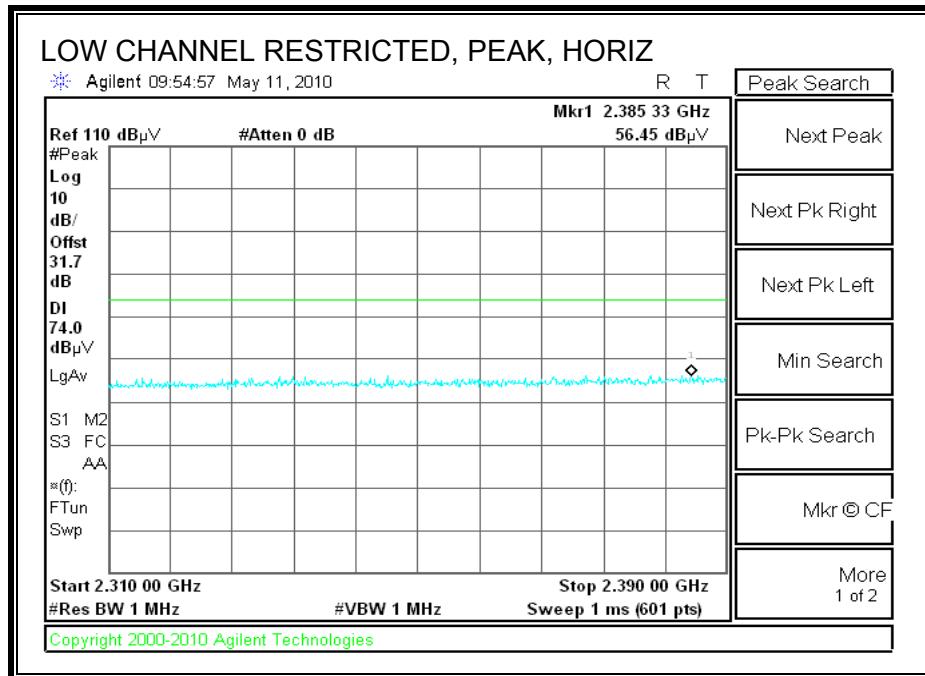
The spectrum from 30 MHz to 40 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

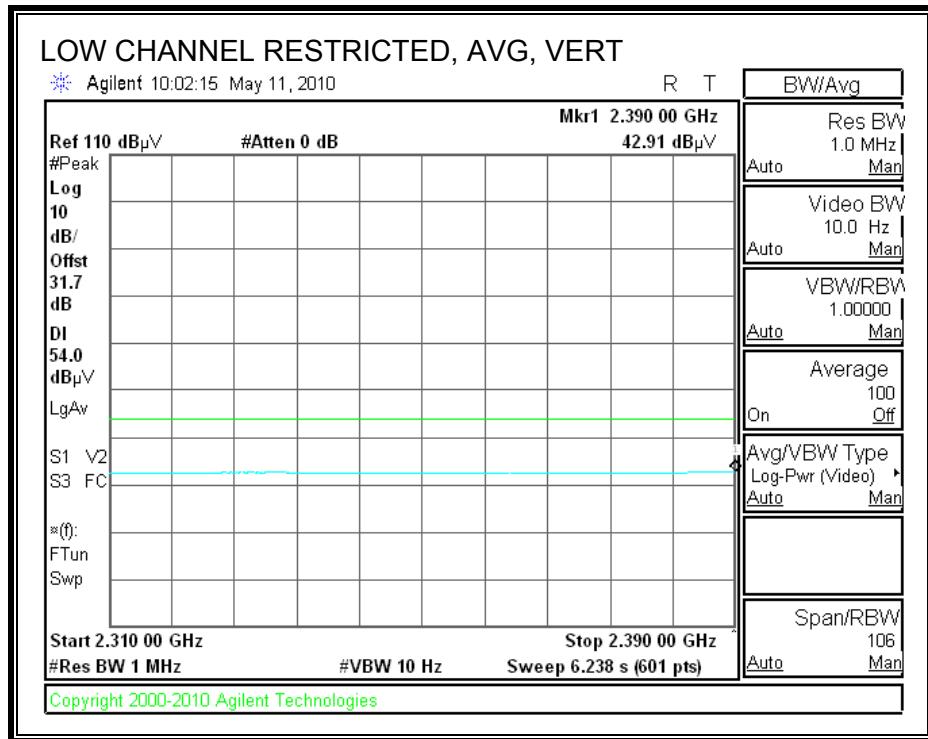
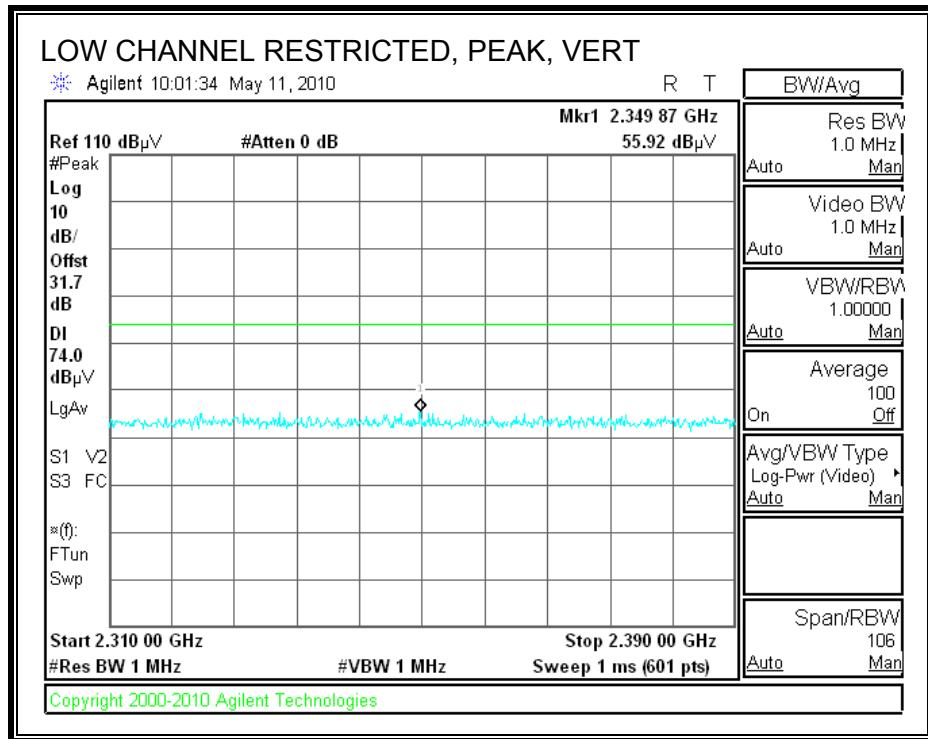
The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.

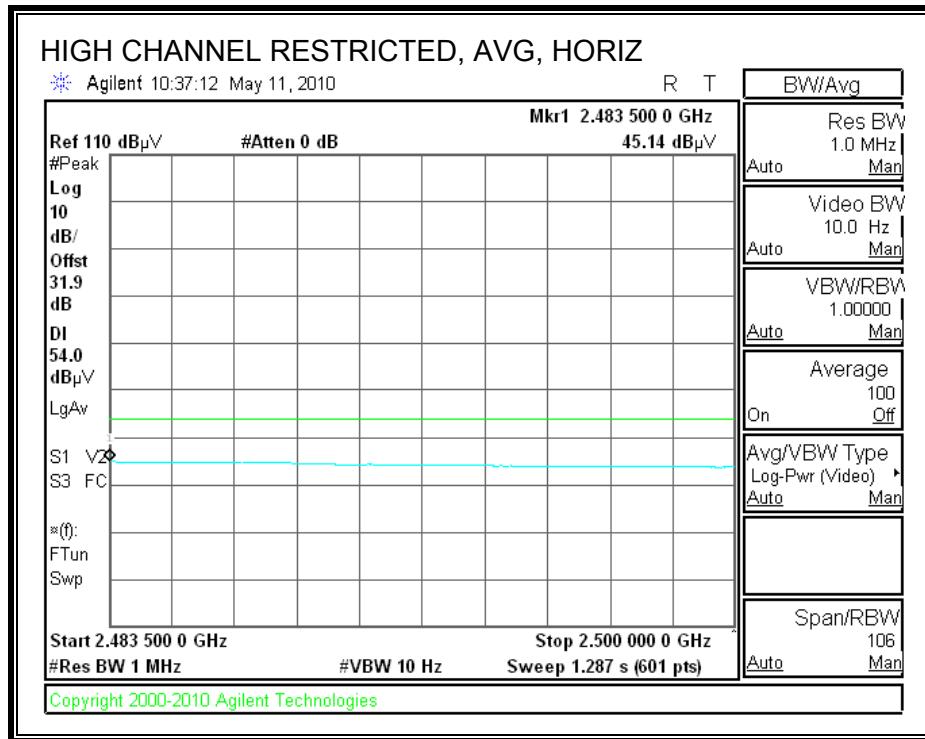
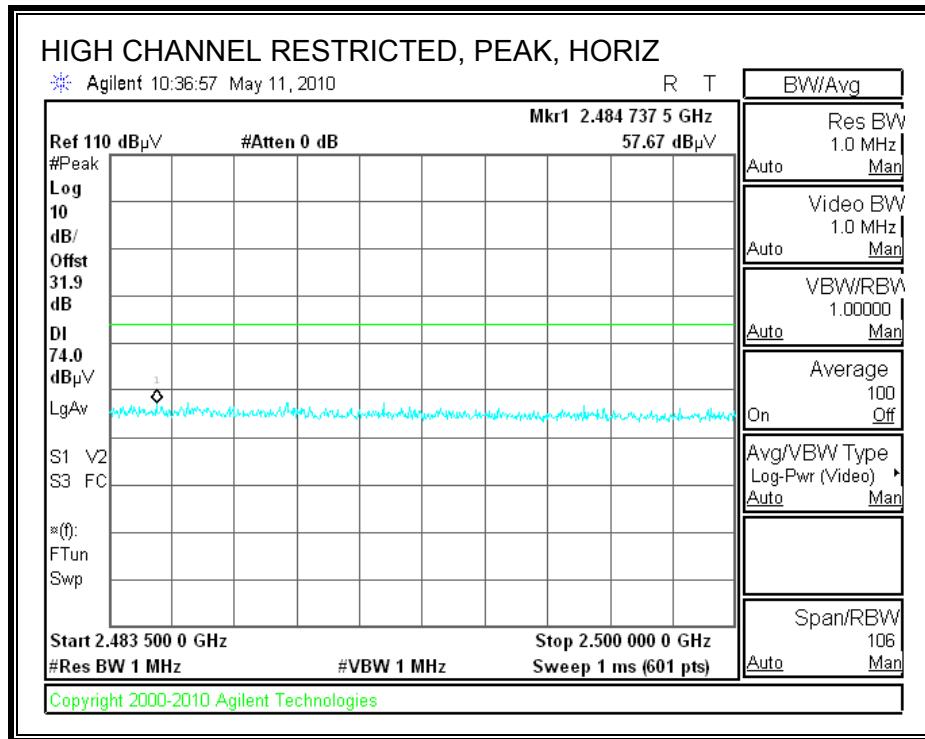
RESULTS

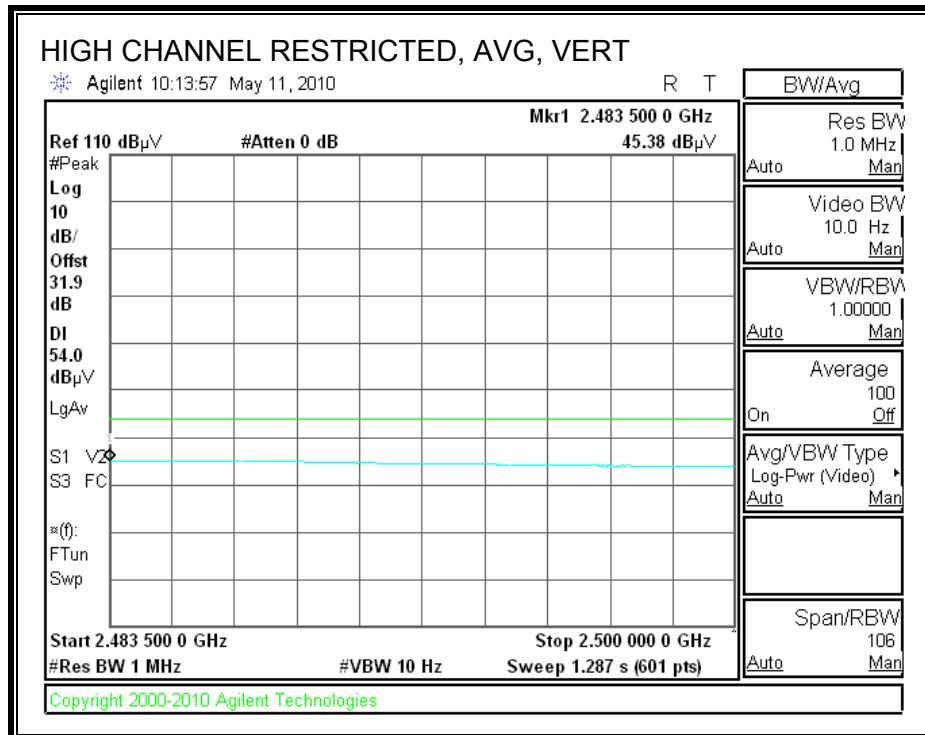
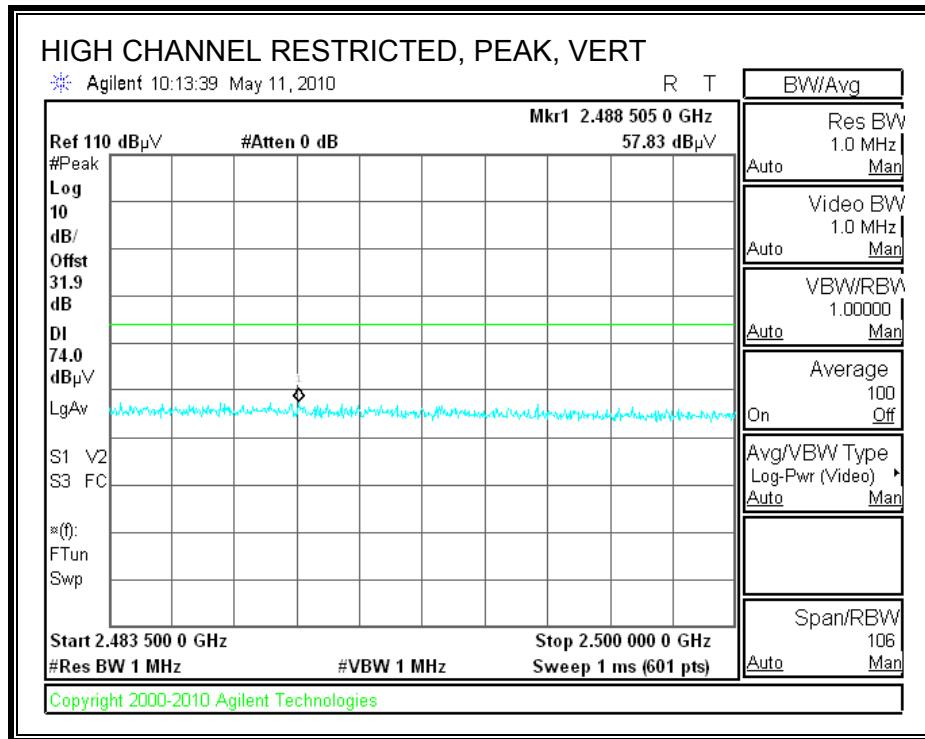
7.1.1. TRANSMITTER ABOVE 1 GHz FOR 802.11b MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

HARMONICS AND SPURIOUS EMISSIONS**High Frequency Measurement**
Compliance Certification Services, Fremont 5m Chamber

Test Engr: Chin Pang
 Date: 05/11/10
 Project #: 10U13193
 Company: Kyocera
 EUT Description: WiFi + Dual-Band CDMA Phone with Bluetooth 2.0 + EDR
 EUT M/N: SCP-8600
 Test Target: FCC 15.247
 Mode Oper: TX, b mode

| | | | | |
|------|-----------------------|--------|--------------------------------|------------------------------|
| f | Measurement Frequency | Amp | Preamp Gain | Average Field Strength Limit |
| Dist | Distance to Antenna | D Corr | Distance Correct to 3 meters | Peak Field Strength Limit |
| Read | Analyzer Reading | Avg | Average Field Strength @ 3 m | Margin vs. Average Limit |
| AF | Antenna Factor | Peak | Calculated Peak Field Strength | Margin vs. Peak Limit |
| CL | Cable Loss | HPF | High Pass Filter | |

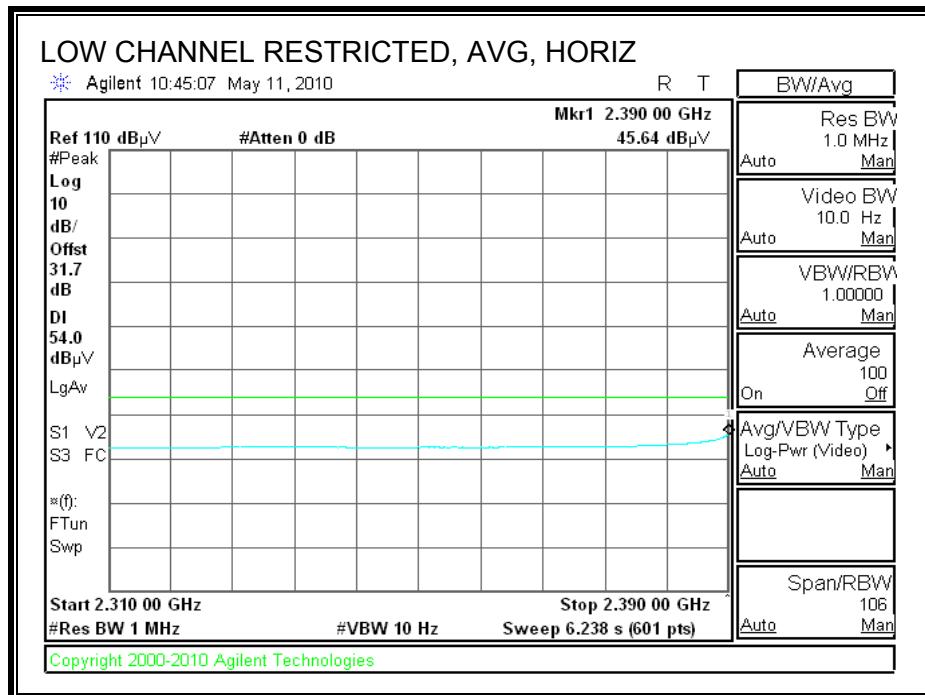
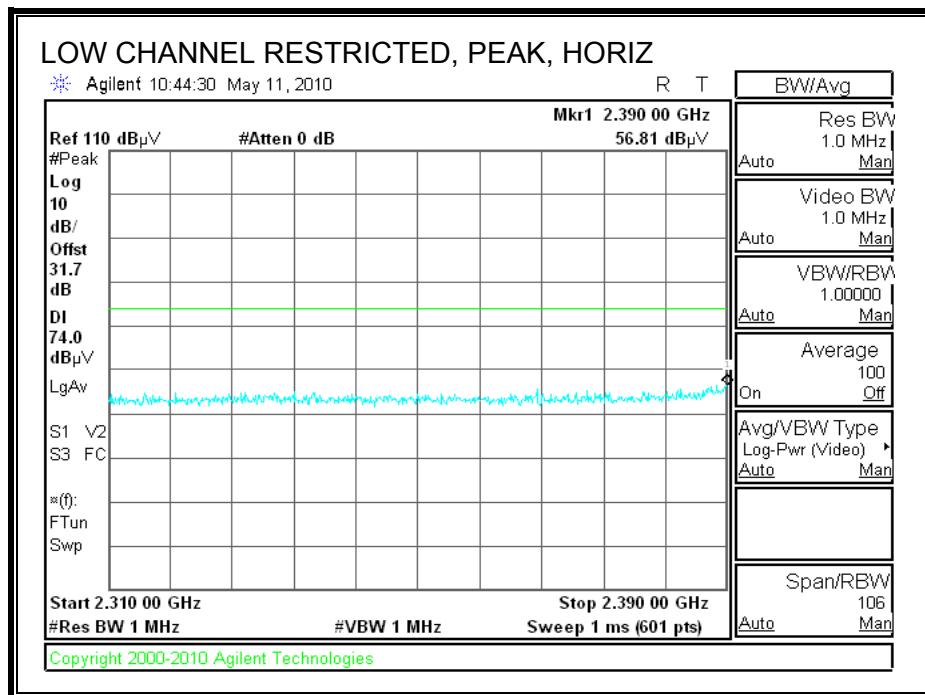
| f GHz | Dist (m) | Read dBuV | AF dB/m | CL dB | Amp dB | D Corr dB | Fltr dB | Corr. dBuV/m | Limit dBuV/m | Margin dB | Ant Pol. V/H | Det. P/A/QP | Notes |
|-------------------------|-------------|--------------|------------|----------|-----------|--------------|------------|-----------------|-----------------|--------------|-----------------|----------------|-------|
| Low Ch, 2412MHz | | | | | | | | | | | | | |
| 4.824 | 3.0 | 39.6 | 33.0 | 5.8 | -36.5 | 0.0 | 0.0 | 41.9 | 74.0 | -32.1 | H | P | |
| 4.824 | 3.0 | 26.6 | 33.0 | 5.8 | -36.5 | 0.0 | 0.0 | 28.9 | 54.0 | -25.1 | H | A | |
| 4.824 | 3.0 | 38.3 | 33.0 | 5.8 | -36.5 | 0.0 | 0.0 | 40.7 | 74.0 | -33.3 | V | P | |
| 4.824 | 3.0 | 27.4 | 33.0 | 5.8 | -36.5 | 0.0 | 0.0 | 29.8 | 54.0 | -24.2 | V | A | |
| Mid Ch, 2437MHz | | | | | | | | | | | | | |
| 4.874 | 3.0 | 38.9 | 33.1 | 5.8 | -36.5 | 0.0 | 0.0 | 41.4 | 74.0 | -32.6 | H | P | |
| 4.874 | 3.0 | 26.8 | 33.1 | 5.8 | -36.5 | 0.0 | 0.0 | 29.3 | 54.0 | -24.7 | H | A | |
| 7.311 | 3.0 | 38.1 | 35.3 | 7.3 | -36.2 | 0.0 | 0.0 | 44.4 | 74.0 | -29.6 | H | P | |
| 7.311 | 3.0 | 25.7 | 35.3 | 7.3 | -36.2 | 0.0 | 0.0 | 32.0 | 54.0 | -22.0 | H | A | |
| 4.874 | 3.0 | 38.7 | 33.1 | 5.8 | -36.5 | 0.0 | 0.0 | 41.1 | 74.0 | -32.9 | V | P | |
| 4.874 | 3.0 | 27.5 | 33.1 | 5.8 | -36.5 | 0.0 | 0.0 | 30.0 | 54.0 | -24.0 | V | A | |
| 7.311 | 3.0 | 38.3 | 35.3 | 7.3 | -36.2 | 0.0 | 0.0 | 44.6 | 74.0 | -29.4 | V | P | |
| 7.311 | 3.0 | 25.6 | 35.3 | 7.3 | -36.2 | 0.0 | 0.0 | 32.0 | 54.0 | -22.0 | V | A | |
| High Ch, 2462MHz | | | | | | | | | | | | | |
| 4.924 | 3.0 | 38.2 | 33.1 | 5.9 | -36.5 | 0.0 | 0.0 | 40.7 | 74.0 | -33.3 | H | P | |
| 4.924 | 3.0 | 26.4 | 33.1 | 5.9 | -36.5 | 0.0 | 0.0 | 29.0 | 54.0 | -25.0 | H | A | |
| 7.386 | 3.0 | 37.8 | 35.4 | 7.3 | -36.2 | 0.0 | 0.0 | 44.3 | 74.0 | -29.7 | H | P | |
| 7.386 | 3.0 | 25.3 | 35.4 | 7.3 | -36.2 | 0.0 | 0.0 | 31.8 | 54.0 | -22.2 | H | A | |
| 4.924 | 3.0 | 39.2 | 33.1 | 5.9 | -36.5 | 0.0 | 0.0 | 41.7 | 74.0 | -32.3 | V | P | |
| 4.924 | 3.0 | 27.2 | 33.1 | 5.9 | -36.5 | 0.0 | 0.0 | 29.7 | 54.0 | -24.3 | V | A | |
| 7.386 | 3.0 | 38.2 | 35.4 | 7.3 | -36.2 | 0.0 | 0.0 | 44.7 | 74.0 | -29.3 | V | P | |
| 7.386 | 3.0 | 26.1 | 35.4 | 7.3 | -36.2 | 0.0 | 0.0 | 32.6 | 54.0 | -21.4 | V | A | |

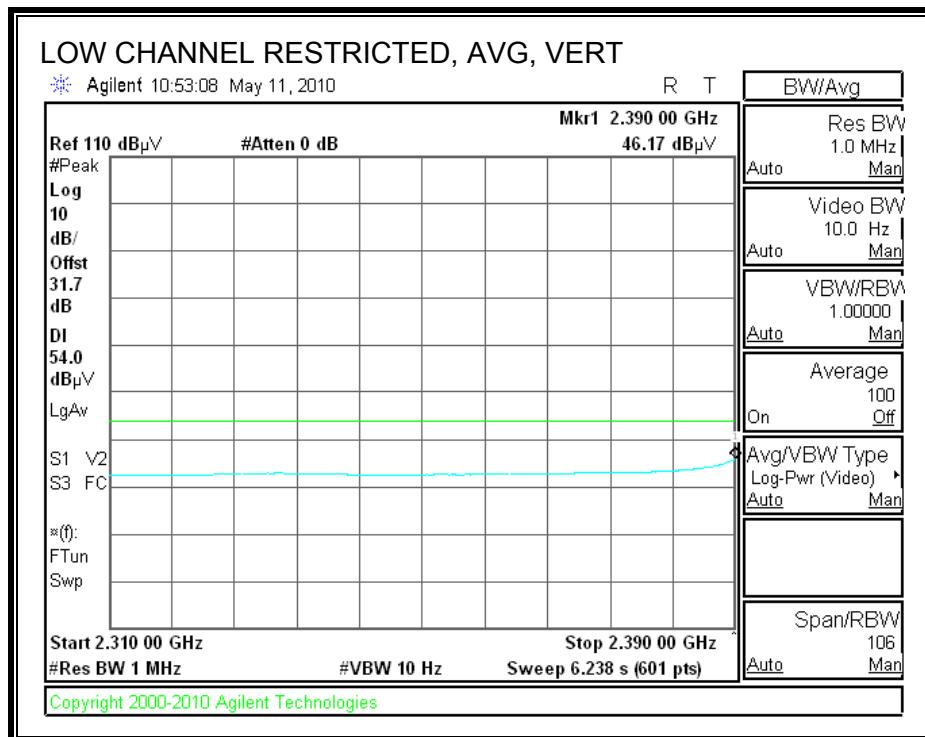
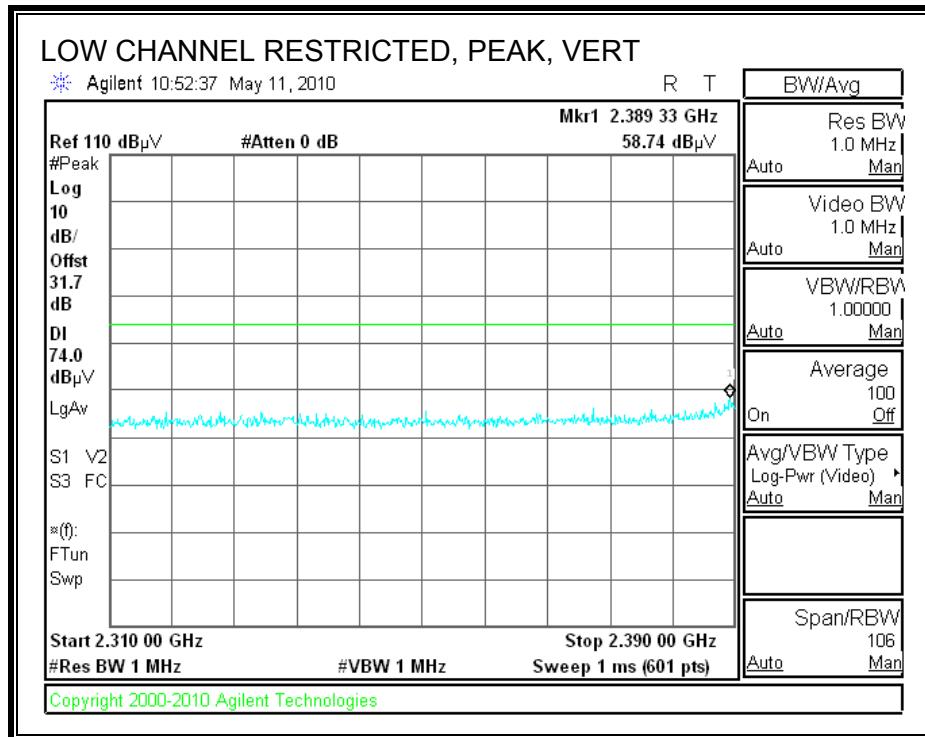
Rev. 4.1.2.7

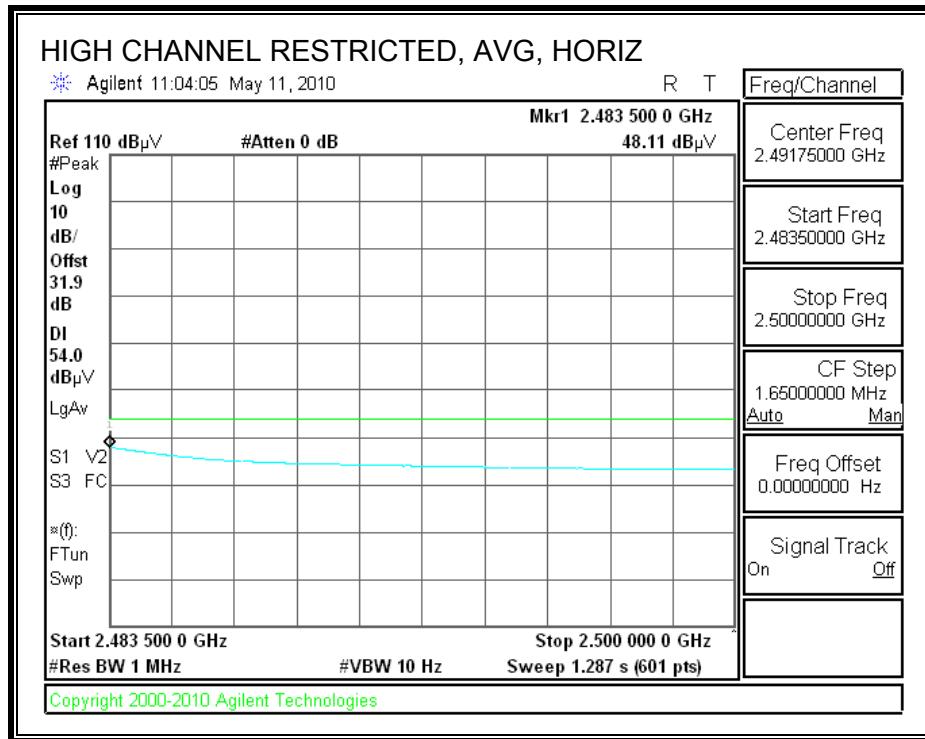
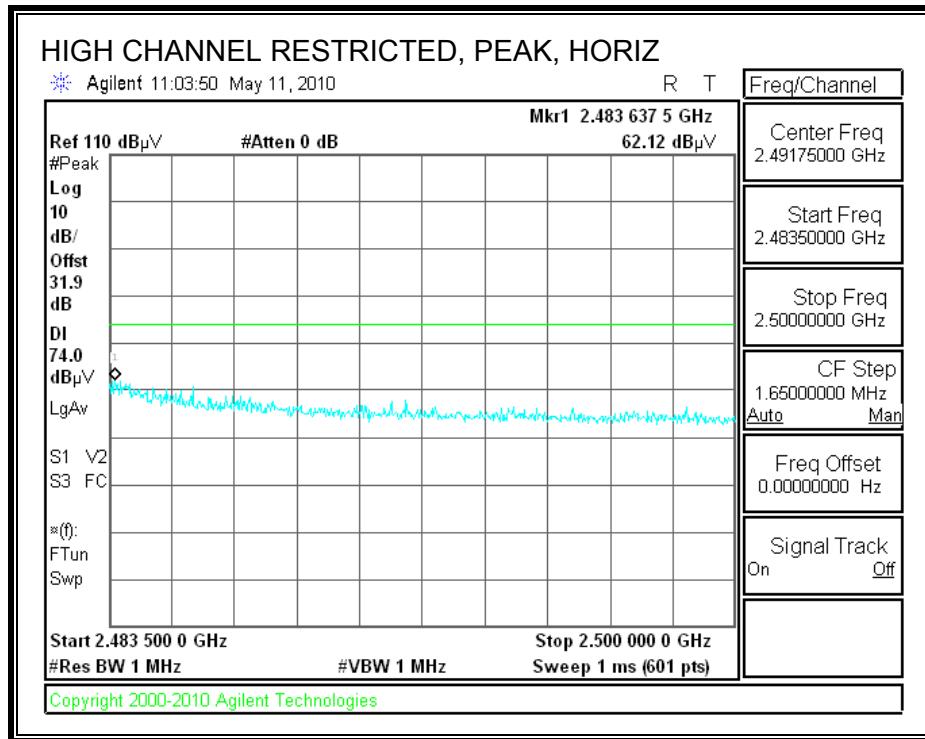
Note: No other emissions were detected above the system noise floor.

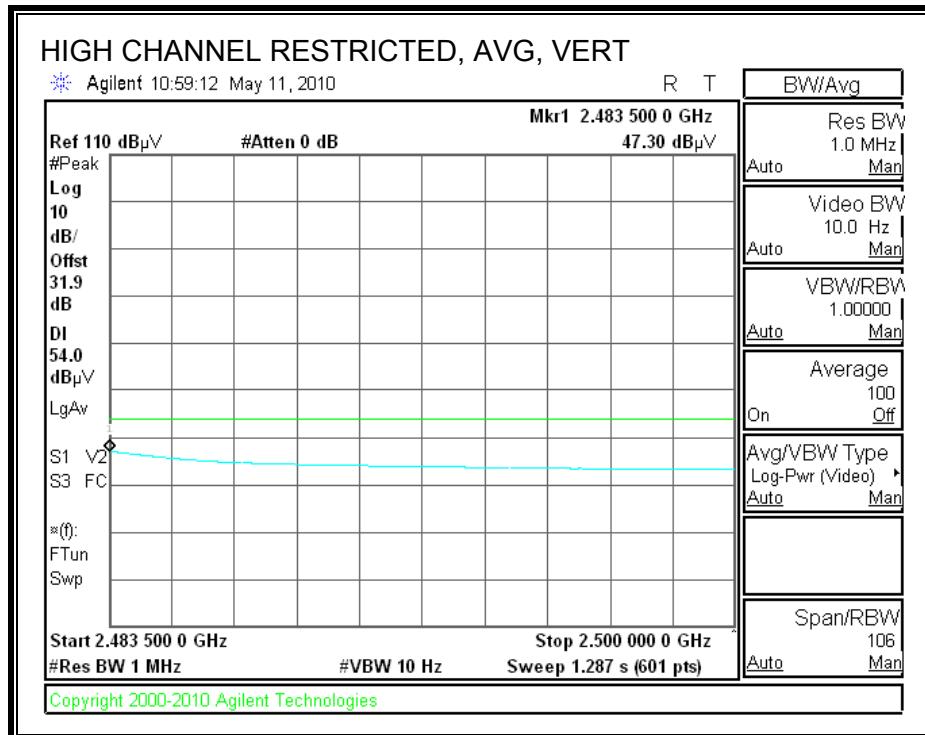
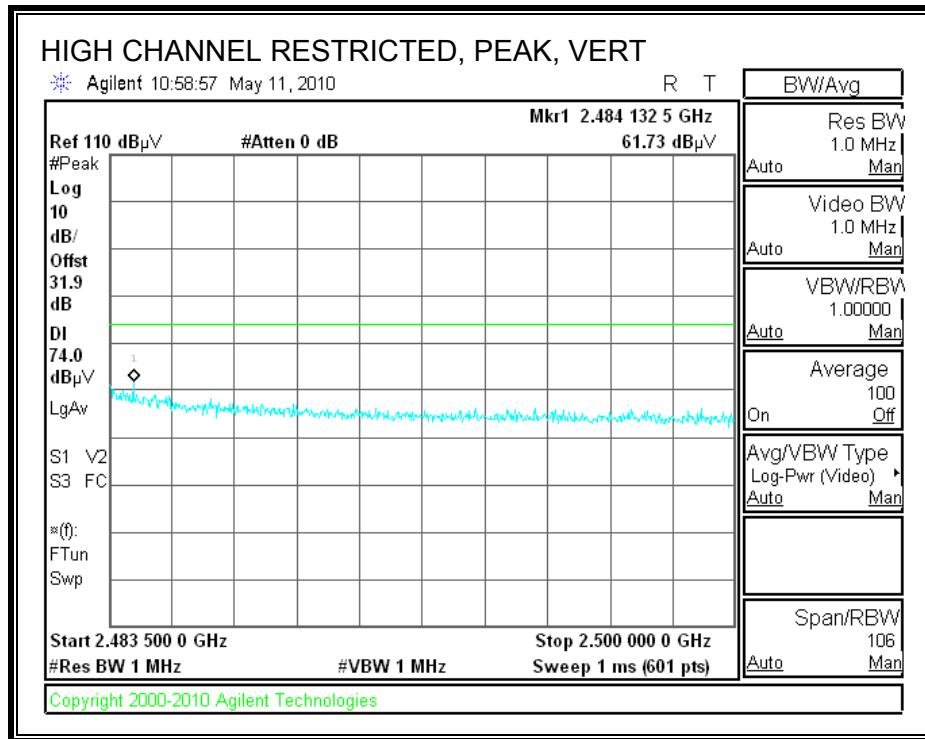
7.1.2. TRANSMITTER ABOVE 1 GHz FOR 802.11g MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)

RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

HARMONICS AND SPURIOUS EMISSIONS**High Frequency Measurement**
Compliance Certification Services, Fremont 5m Chamber

Test Engr: Chin Pang
Date: 05/11/10
Project #: 10U13193
Company: Kyocera
EUT Description: WiFi + Dual-Band CDMA Phone with Bluetooth 2.0 + EDR
EUT M/N: SCP-8600
Test Target: FCC 15.247
Mode Oper: TX, g mode

| | | | | | |
|------|-----------------------|--------|--------------------------------|--|------------------------------|
| f | Measurement Frequency | Amp | Preamp Gain | | Average Field Strength Limit |
| Dist | Distance to Antenna | D Corr | Distance Correct to 3 meters | | Peak Field Strength Limit |
| Read | Analyzer Reading | Avg | Average Field Strength @ 3 m | | Margin vs. Average Limit |
| AF | Antenna Factor | Peak | Calculated Peak Field Strength | | Margin vs. Peak Limit |
| CL | Cable Loss | HPF | High Pass Filter | | |

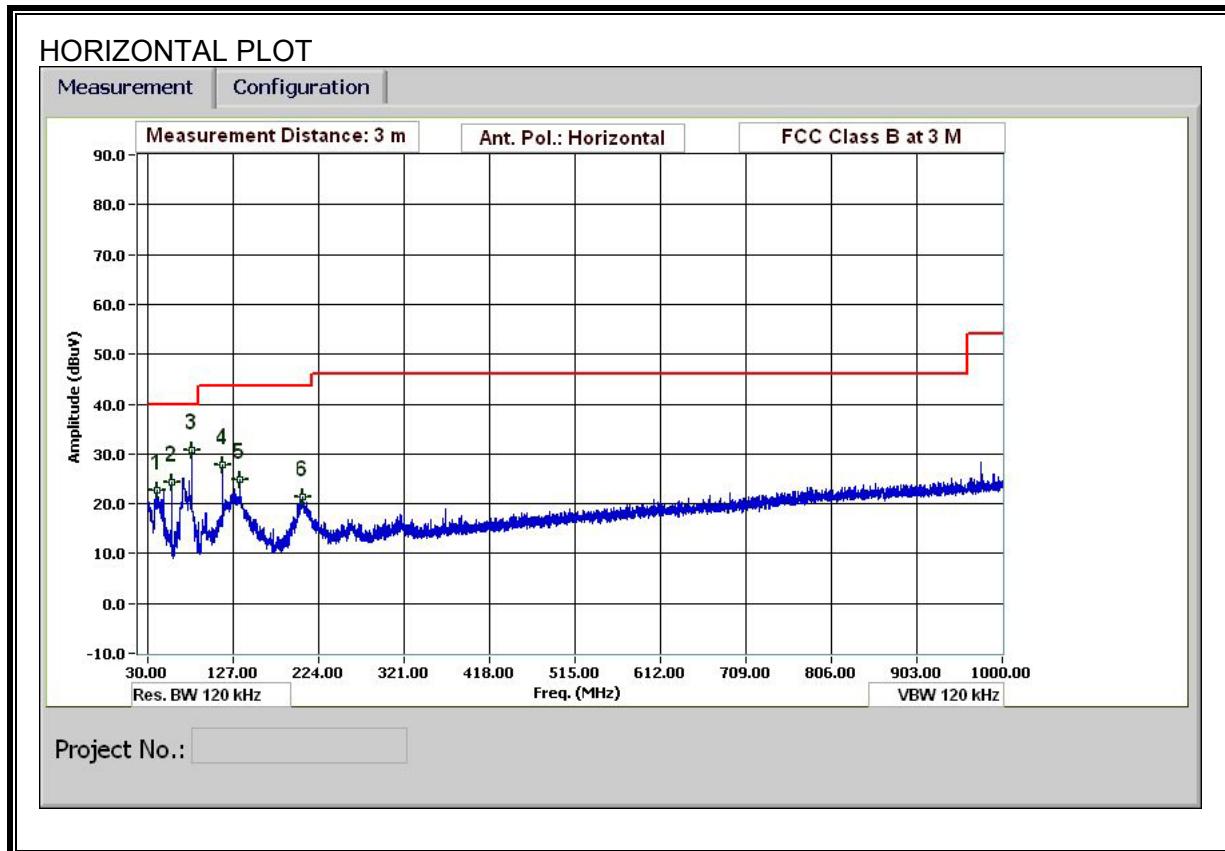
| f GHz | Dist (m) | Read dBuV | AF dB/m | CL dB | Amp dB | D Corr dB | Fltr dB | Corr. dBuV/m | Limit dBuV/m | Margin dB | Ant. Pol. V/H | Det. P/A/QP | Notes |
|-------------------------|-------------|--------------|------------|----------|-----------|--------------|------------|-----------------|-----------------|--------------|------------------|----------------|-------|
| Low Ch, 2412MHz | | | | | | | | | | | | | |
| 4.824 | 3.0 | 39.1 | 33.0 | 5.8 | -36.5 | 0.0 | 0.0 | 41.5 | 74.0 | -32.5 | V | P | |
| 4.824 | 3.0 | 26.4 | 33.0 | 5.8 | -36.5 | 0.0 | 0.0 | 28.8 | 54.0 | -25.2 | V | A | |
| 4.824 | 3.0 | 38.9 | 33.0 | 5.8 | -36.5 | 0.0 | 0.0 | 41.3 | 74.0 | -32.7 | H | P | |
| 4.824 | 3.0 | 26.4 | 33.0 | 5.8 | -36.5 | 0.0 | 0.0 | 28.8 | 54.0 | -25.2 | H | A | |
| Mid Ch, 2437MHz | | | | | | | | | | | | | |
| 4.874 | 3.0 | 38.2 | 33.1 | 5.8 | -36.5 | 0.0 | 0.0 | 40.7 | 74.0 | -33.3 | V | P | |
| 4.874 | 3.0 | 25.8 | 33.1 | 5.8 | -36.5 | 0.0 | 0.0 | 28.3 | 54.0 | -25.7 | V | A | |
| 7.311 | 3.0 | 37.9 | 35.3 | 7.3 | -36.2 | 0.0 | 0.0 | 44.3 | 74.0 | -29.7 | V | P | |
| 7.311 | 3.0 | 25.3 | 35.3 | 7.3 | -36.2 | 0.0 | 0.0 | 31.6 | 54.0 | -22.4 | V | A | |
| 4.874 | 3.0 | 38.3 | 33.1 | 5.8 | -36.5 | 0.0 | 0.0 | 40.8 | 74.0 | -33.2 | H | P | |
| 4.874 | 3.0 | 25.8 | 33.1 | 5.8 | -36.5 | 0.0 | 0.0 | 28.3 | 54.0 | -25.7 | H | A | |
| 7.311 | 3.0 | 37.7 | 35.3 | 7.3 | -36.2 | 0.0 | 0.0 | 44.1 | 74.0 | -29.9 | H | P | |
| 7.311 | 3.0 | 25.3 | 35.3 | 7.3 | -36.2 | 0.0 | 0.0 | 31.6 | 54.0 | -22.4 | H | A | |
| High Ch, 2462MHz | | | | | | | | | | | | | |
| 4.924 | 3.0 | 38.5 | 33.1 | 5.9 | -36.5 | 0.0 | 0.0 | 41.0 | 74.0 | -33.0 | V | P | |
| 4.924 | 3.0 | 26.2 | 33.1 | 5.9 | -36.5 | 0.0 | 0.0 | 28.7 | 54.0 | -25.3 | V | A | |
| 7.386 | 3.0 | 37.4 | 35.4 | 7.3 | -36.2 | 0.0 | 0.0 | 43.9 | 74.0 | -30.1 | V | P | |
| 7.386 | 3.0 | 24.9 | 35.4 | 7.3 | -36.2 | 0.0 | 0.0 | 31.4 | 54.0 | -22.6 | V | A | |
| 4.924 | 3.0 | 38.6 | 33.1 | 5.9 | -36.5 | 0.0 | 0.0 | 41.2 | 74.0 | -32.8 | H | P | |
| 4.924 | 3.0 | 26.2 | 33.1 | 5.9 | -36.5 | 0.0 | 0.0 | 28.7 | 54.0 | -25.3 | H | A | |
| 7.386 | 3.0 | 37.9 | 35.4 | 7.3 | -36.2 | 0.0 | 0.0 | 44.4 | 74.0 | -29.6 | H | P | |
| 7.386 | 3.0 | 24.9 | 35.4 | 7.3 | -36.2 | 0.0 | 0.0 | 31.4 | 54.0 | -22.6 | H | A | |

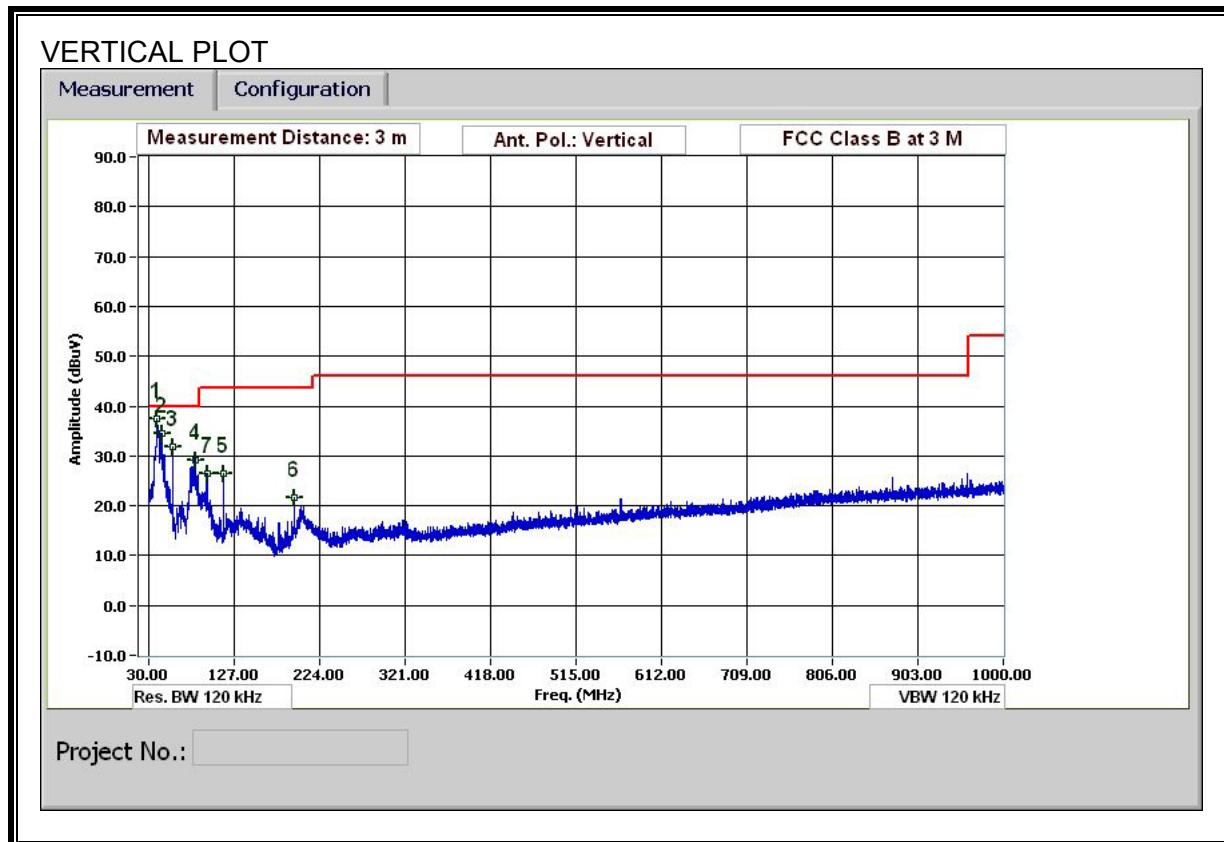
Rev. 4.1.2.7

Note: No other emissions were detected above the system noise floor.

7.2. WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)

HORIZONTAL AND VERTICAL DATA

30-1000MHz Frequency Measurement

Compliance Certification Services, Fremont 5m Chamber

Test Engr: Chin Pang
Date: 05/12/10
Project #: 10U13193
Company: Kyocera
EUT Description: WiFi + Dual band CDMA phone with Bluetooth 2.0 + EDR
EUT M/N: SCP-8600
Test Target: FCC 15C
Mode Oper: TX, Wlan (Worst Case)

| f | Measurement Frequency | Amp | Preamp Gain | Margin | Margin vs. Limit |
|------|-----------------------|--------|------------------------------|--------|------------------|
| Dist | Distance to Antenna | D Corr | Distance Correct to 3 meters | | |
| Read | Analyzer Reading | Filter | Filter Insert Loss | | |
| AF | Antenna Factor | Cor. | Calculated Field Strength | | |
| CL | Cable Loss | Limit | Field Strength Limit | | |

| f MHz | Dist (m) | Read dBuV | AF dB/m | CL dB | Amp dB | D Corr dB | Filter dB | Corr. dBuV/m | Limit dBuV/m | Margin dB | Ant. Pol. V/H | Det. P/A/QP | Notes |
|----------|-------------|--------------|------------|----------|-----------|--------------|--------------|-----------------|-----------------|--------------|------------------|----------------|-------|
| 40.440 | 3.0 | 37.9 | 13.8 | 0.6 | 29.6 | 0.0 | 0.0 | 22.6 | 40.0 | -17.4 | H | P | |
| 57.601 | 3.0 | 48.3 | 7.9 | 0.7 | 29.6 | 0.0 | 0.0 | 24.3 | 40.0 | -15.7 | H | P | |
| 80.402 | 3.0 | 51.8 | 7.6 | 0.8 | 29.6 | 0.0 | 0.0 | 30.6 | 40.0 | -9.4 | H | P | |
| 115.204 | 3.0 | 43.4 | 12.8 | 1.0 | 29.5 | 0.0 | 0.0 | 27.7 | 43.5 | -15.8 | H | P | |
| 134.404 | 3.0 | 39.7 | 13.5 | 1.0 | 29.4 | 0.0 | 0.0 | 24.8 | 43.5 | -18.7 | H | P | |
| 206.407 | 3.0 | 36.9 | 12.0 | 1.3 | 28.9 | 0.0 | 0.0 | 21.3 | 43.5 | -22.2 | H | P | |
| 39.480 | 3.0 | 52.0 | 14.5 | 0.5 | 29.6 | 0.0 | 0.0 | 37.4 | 40.0 | -2.6 | V | P | |
| 39.480 | 3.0 | 48.9 | 14.5 | 0.5 | 29.6 | 0.0 | 0.0 | 33.3 | 40.0 | -6.7 | V | QP | |
| 44.521 | 3.0 | 52.2 | 11.3 | 0.6 | 29.6 | 0.0 | 0.0 | 34.5 | 40.0 | 5.5 | V | P | |
| 57.601 | 3.0 | 52.9 | 7.9 | 0.7 | 29.6 | 0.0 | 0.0 | 31.8 | 40.0 | -8.2 | V | P | |
| 82.442 | 3.0 | 50.3 | 7.6 | 0.8 | 29.6 | 0.0 | 0.0 | 29.1 | 40.0 | -10.9 | V | P | |
| 96.003 | 3.0 | 46.0 | 9.1 | 0.9 | 29.5 | 0.0 | 0.0 | 26.4 | 43.5 | -17.1 | V | P | |
| 115.204 | 3.0 | 42.1 | 12.8 | 1.0 | 29.5 | 0.0 | 0.0 | 26.4 | 43.5 | -17.1 | V | P | |
| 195.367 | 3.0 | 37.6 | 11.6 | 1.3 | 28.9 | 0.0 | 0.0 | 21.5 | 43.5 | -22.0 | V | P | |

8. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 7.2.2

| Frequency of Emission (MHz) | Conducted Limit (dBuV) | |
|-----------------------------|------------------------|-----------------------|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56 [*] | 56 to 46 [*] |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

^{*} Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

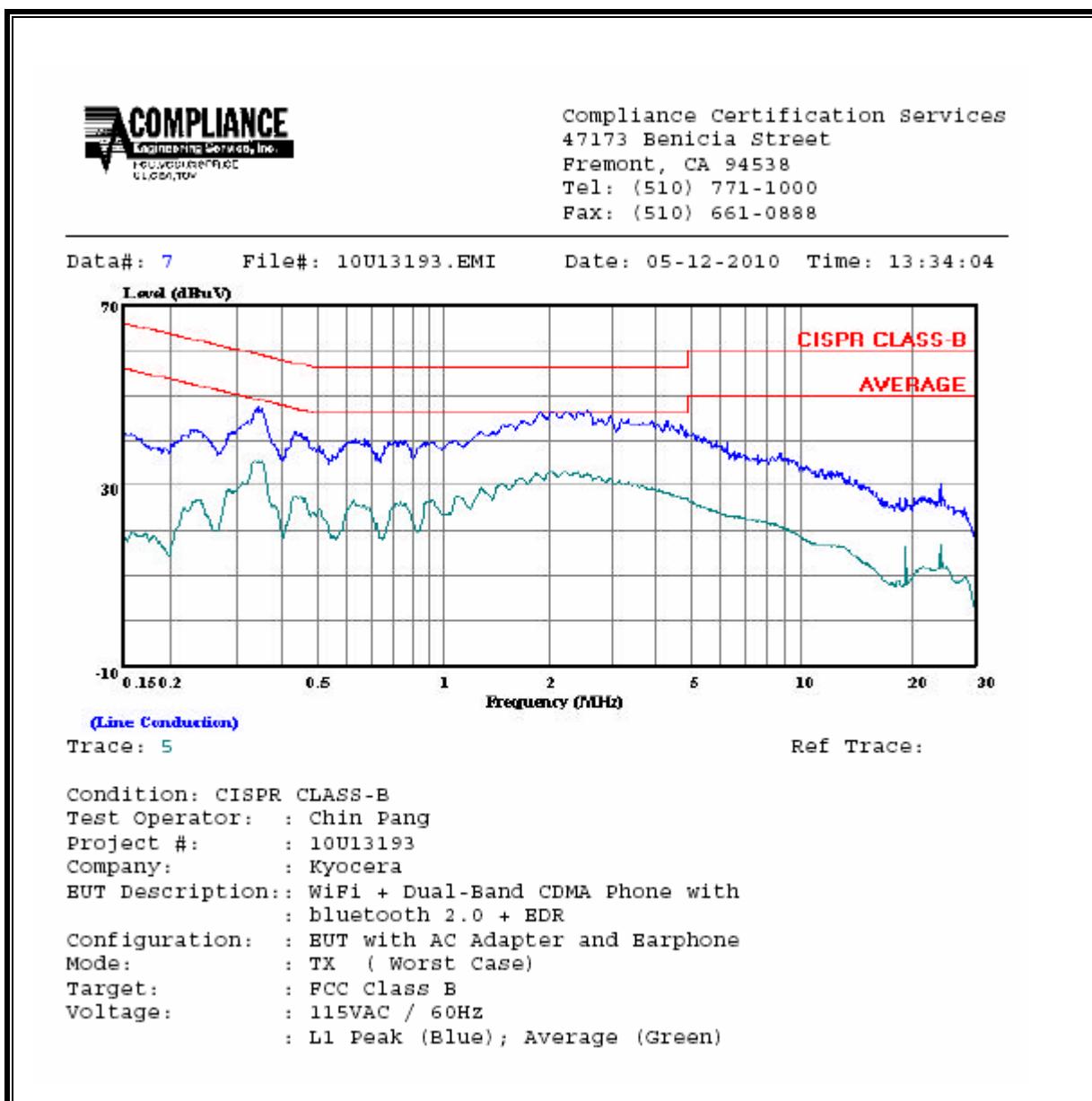
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

6 WORST EMISSIONS

| CONDUCTED EMISSIONS DATA (115VAC 60Hz) | | | | | | | | | |
|--|-----------|-----------|-----------|---------------|-------------|------------|---------|---------|-------------------|
| Freq. (MHz) | Reading | | | Closs (dB) | Limit QP | EN_B AV | Margin | | Remark L1 / L2 |
| | PK (dBuV) | QP (dBuV) | AV (dBuV) | | | | QP (dB) | AV (dB) | |
| 0.35 | 46.72 | -- | 35.22 | 0.00 | 59.06 | 49.06 | -12.34 | -13.84 | L1 |
| 0.45 | 40.96 | -- | 27.37 | 0.00 | 56.89 | 46.89 | -15.93 | -19.52 | L1 |
| 2.53 | 46.58 | -- | 32.75 | 0.00 | 56.00 | 46.00 | -9.42 | -13.25 | L1 |
| 0.34 | 50.12 | -- | 39.46 | 0.00 | 59.28 | 49.28 | -9.16 | -9.82 | L2 |
| 0.85 | 43.11 | -- | 30.19 | 0.00 | 56.00 | 46.00 | -12.89 | -15.81 | L2 |
| 2.40 | 49.11 | -- | 36.96 | 0.00 | 56.00 | 46.00 | -6.89 | -9.04 | L2 |
| 6 Worst Data | | | | | | | | | |

LINE 1 RESULTS

LINE 2 RESULTS