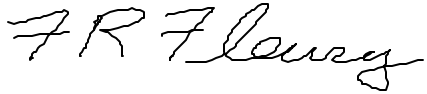


RADIATED EMISSIONS
DATA
FOR
KYOCERA WIRELESS CORPORATION
10300 Campus Point Drive
San Diego, CA 92121

Prepared by
TÜV PRODUCT SERVICE
10040 Mesa Rim Road
San Diego, CA 92121-2912

Measurement Requirements (CFR 47 Part 2, Paragraph 2.1053; Part 22 Paragraph 22.917(b)(2) and Part 24, Paragraph 24.238

The measurements which follow were performed by TÜV Product Service. To the best of my knowledge these tests were conducted in accordance with the procedures outlined in Part 2 of the Commission's Rules and Regulations. The data presented below demonstrates compliance with the appropriate technical standards.



Floyd R. Fleury
EMC Manager

Emissions Test Conditions: SPURIOUS RADIATED EMISSIONS

Roof (small open area test site), San Diego

The *Spurious Radiated Emissions* measurements were performed using the following equipment:**Test Equipment Used :**

| Model No. | Prop. No. | Description | Manufacturer | Serial No. | Cal Date |
|------------------|------------------|-----------------------------|----------------------|-------------------|-----------------|
| 85660B | 402 | Spectrum Analyzer & Display | Hewlett Packard | 2311A02209 | 02/02 |
| 3146 | 244 | Antenna | EMCO | 1063 | 02/02 |
| 3115 | 251 | Double Ridge Antenna | EMCO | 9412-4363 | 10/01 |
| FF6549-2 | 781/777 | High Pass Filter | Sage Laboratories | 007 | N/A* |
| FF6549-1 | 732 | 900 MHz HPF | Sage | 006 | N/A* |
| AA.190.06.00.0 | 657 | High Frequency Cable | United Microwave Pro | -- | N/A* |
| 11975A | 716 | Preamplifier | Hewlett Packard | 2517A00639 | N/A* |

Remarks: (*) Verified

FCC Part 2, Paragraph 2.1053; Part 22, Paragraph 22.917(b)(2) and Part 24, Paragraph 24.238

QCP 2135 Cellular Phone

Operating Mode: FM Transmit; CDMA Transmit; PCS Transmit

SPEC: Part 22.917(b)(2)

TEST DIST: 3 Meters

TEST SITE: 3

BICONICAL: N/A

LOG: 244

OTHER: 251

Freq under 1 GHz RBW, VBW = 100kHz

Freq under 1 GHz RBW, VBW = 100kHz

Freq over 1 GHz RBW, VBW - 1 MHz

[illegible]

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Rev.No 1.0

Freq over 1 GHz RBW, VBW - 1 MHz

NOTE: Limit derived from the 43 + LOG(P) formula.

SPEC: Part 24.238

TEST DIST: 3 Meters

TEST SITE: 3

BICONICAL: N/A

LOG: 244

OTHER: 251

Freq under 1 GHz RBW, VBW = 100kHz

Freq over 1 GHz RBW, VBW - 1 MHz

Freq over 1 GHz RBW, VBW - 1 MHz

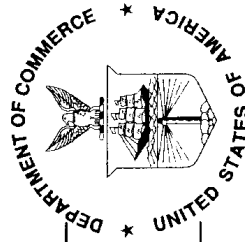
y_beta

Rev.No 1.0

Testing Facilities

Certificates of Approval

United States Department of Commerce
National Institute of Standards and Technology



ISO/IEC GUIDE 25:1990
ISO 9002:1987

Certificate of Accreditation

TUV PRODUCT SERVICE, INC.
SAN DIEGO, CA

is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 285 Code of Federal Regulations. These criteria encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002 (ANSI/ASQC Q92-1987) as suppliers of calibration or test results. Accreditation is awarded for specific services, listed on the Scope of Accreditation for:

ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

December 31, 2001
Effective through

David E. Alderman
For the National Institute of Standards and Technology

NVLAP Lab Code: 100268-0

NVLAP-01C (11-95)

National Institute
of Standards and Technology



National Voluntary
Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Scope of Accreditation



Page: 1 of 3

**ELECTROMAGNETIC COMPATIBILITY
AND TELECOMMUNICATIONS**

NVLAP LAB CODE 100268-0

TUV PRODUCT SERVICE, INC.

10040 Mesa Rim Road
San Diego, CA 92121-1034
Mr. R. Barry Wallen
Phone: 619-546-3999 Fax: 619-546-0364
E-Mail: bwallen@TUVps.com
URL: <http://www.tuvps.com>

NVLAP Code Designation / Description

Emissions Test Methods:

| | |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12/CIS22 | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment |
| 12/CIS22a | IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment, Amendment 1:1995, and Amendment 2:1996. |
| 12/CIS22b | CNS 13438:1997: Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment |
| 12/F01 | FCC Method - 47 CFR Part 15 - Digital Devices |
| 12/F01a | Conducted Emissions, Power Lines, 450 KHz to 30 MHz |
| 12/F01b | Radiated Emissions |

December 31, 2001

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ISO 9002:1987

Scope of Accreditation



Page: 2 of 3

**ELECTROMAGNETIC COMPATIBILITY
AND TELECOMMUNICATIONS**

NVLAP LAB CODE 100268-0

TUV PRODUCT SERVICE, INC.

NVLAP Code Designation / Description

12/T51 AS/NZS 3548: Electromagnetic Interference - Limits and Methods of Measurement of
Information Technology Equipment

MIL-STD-462 : Conducted Emissions:

12/A01 MIL-STD-462 Method CE01
12/A04 MIL-STD-462 Method CE02
12/A06 MIL-STD-462 Method CE03
12/A08 MIL-STD-462 Method CE04
12/A10 MIL-STD-462 Method CE06
12/A12 MIL-STD-462 Method CE07

MIL-STD-462 : Conducted Susceptibility:

12/B01 MIL-STD-462 Method CS01
12/B02 MIL-STD-462 Method CS02
12/B04 MIL-STD-462 Method CS03/CS04/CS05/CS08
12/B05 MIL-STD-462 Method CS06

December 31, 2001

Effective through

A handwritten signature in black ink, reading "David F. Alderman".

For the National Institute of Standards and Technology

NVLAP-01S (11-95)



ISO/IEC GUIDE 25:1990
ISO 9002:1987

Scope of Accreditation



Page: 3 of 3

**ELECTROMAGNETIC COMPATIBILITY
AND TELECOMMUNICATIONS**

NVLAP LAB CODE 100268-0

TUV PRODUCT SERVICE, INC.

NVLAP Code Designation / Description

12/B06 MIL-STD-462 Method CS07

12/B07 MIL-STD-462 Method CS09

MIL-STD-462 : Radiated Emissions:

12/D01 MIL-STD-462 Method RE01

12/D02 MIL-STD-462 Method RE02

12/D03 MIL-STD-462 Method RE03

MIL-STD-462 : Radiated Susceptibility:

12/E01 MIL-STD-462 Method RS01

12/E02 MIL-STD-462 Method RS02

12/E03 MIL-STD-462 Method RS03 (Consult laboratory for field strengths available)

12/E04 MIL-STD-462 Method RS03 employing RADHAZ procedures for high level testing
(Consult laboratory for field strengths available)

December 31, 2001

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David F. Alderman

For the National Institute of Standards and Technology

NVLAP-01S (11-95)

Photograph of Test Setup



Photograph of Test Setup



Photograph of Test Setup



Photograph of Test Setup

