

**SPURIOUS RADIATED EMISSIONS**

**DATA**

**FOR**

**QUALCOMM, INC.  
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 2.993 & 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, EIC

**Emissions Test Conditions: SPURIOUS RADIATED EMISSIONS**

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

**Test Equipment Used :**

Model No.	Prop. No.	Description	Manufacturer	Serial No.	Cal Date
8566B	720/721	Spectrum Analyzer & Display	Hewlett Packard	2115A00842 2112A02185	02/18/99
AA-190-10.00.0	655	Cable	United Microwave Prod.	--	N/A
AA-190-06.00.0	657	Cable	United Microwave Prod.	--	N/A
AA-190-30.00.0	733	Cable	United Microwave Prod.	--	N/A
AMF-5D-010180-35-10P	719	Pre-amplifier	Miteq	549460	04/07/99
3115	453	Double Ridge Antenna	EMCO	9412-4364	03/10/99
F4777	--	High Pass Filter	Qualcomm	--	N/A

Remarks: \_\_\_\_\_  
\_\_\_\_\_

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**TÜV PRODUCT SERVICE** 10040 Mesa Rim Road San Diego, CA 92121-2912 Phone 619 546 3999 FAX 619 546 0364

All harmonics below noise floor.

[illegible]



All harmonics below noise floor.

[illegible]

**All harmonics below noise floor.**

[illegible]



All harmonics below noise floor.

**TÜV PRODUCT SERVICE** 10040 Mesa Rim Road San Diego, CA 92121-2912 Phone 619 546 3999 FAX 619 546 0364

Testing Facilities  
Certificates of Approval

National Institute  
of Standards and Technology



National Voluntary  
Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990  
ISO 9002:1987

## Scope of Accreditation



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**ELECTROMAGNETIC COMPATIBILITY  
AND TELECOMMUNICATIONS**

**NVLAP LAB CODE 100268-0**

**TUV PRODUCT SERVICE, INC.**

10040 Mesa Rim Road

San Diego, CA 92121-1034

Mr. Floyd R. Fleury

Phone: 619-546-3999 Fax: 619-546-0364

**NVLAP Code Designation / Description**

**International Special Committee on Radio Interference (CISPR) Methods**

12/CIS22 IEC/CISPR 22:1993: Limits and methods of measurement of radio disturbance characteristics of information technology equipment

**Federal Communications Commission (FCC) Methods**

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

**Australian Standards referred to by clauses in AUSTEL Technical Standards**

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

December 31, 1999

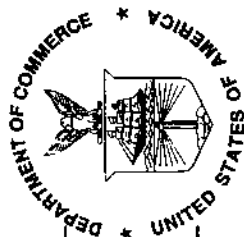
Effective through

A handwritten signature in black ink, appearing to read "John L. Galt".  
For the National Institute of Standards and Technology

NVLAP-01S (11-95)

United States Department of Commerce  
National Institute of Standards and Technology

**NVLAP<sup>®</sup>**



**Certificate of Accreditation**

ISO/IEC GUIDE 25:1990  
ISO 9002:1987

**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  
FCC**

December 31, 1999

Effective through

*[Signature]*

For the National Institute of Standards and Technology

NVLAP Lab Code: 100268-0

NVLAP-01C (11-96)



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Institute of Standards and Technology**  
Gaithersburg, Maryland 20899

December 1, 1998

Mr. Floyd R. Fleury  
TUV Product Service, Inc.  
10040 Mesa Rim Road  
San Diego, CA 92121-1034

NVLAP Lab Code: 100268-0

Dear Mr. Fleury:

I am pleased to inform you that continuing accreditation for specific test methods in Electromagnetic Compatibility & Telecommunications, FCC is granted to your organization under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until December 31, 1999, provided that your organization continues to comply with accreditation requirements contained in the NVLAP Procedures.

Your Certificate of Accreditation is enclosed along with a statement of your Scope of Accreditation. You may reproduce these documents in their entirety and announce your organization's accreditation status using the NVLAP logo in business publications, the trade press, and other business-oriented literature. Accreditation does not relieve your organization from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Jon Crickenberger, Sr. Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; (301) 975-4016.

Sincerely,

James L. Cigler, Chief  
Laboratory Accreditation Program

Enclosure(s)

**NIST**

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Photograph of Test Setup



Photograph of Test Setup

