

RADIATED EMISSIONS

DATA

FOR

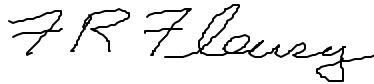
**QUALCOMM, INC.
10300 Campus Point Drive
San Diego, CA 92121**

Prepared by

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

Measurement Requirements (CFR 47 Part 2, Paragraph 2.1053 & Part 25, Paragraph 25.202(f))

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

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	407/406	Spectrum Analyzer & Display	Hewlett Packard	2349A03116	10/00
AA-190-10.00.0	656	High Frequency Cable	United Microwave Prod.	--	N/A*
AA-190-30.00.0	664	High Frequency Cable	United Microwave Prod.	--	N/A*
3115	251	Double Ridge Antenna	EMCO	2495	10/00
FF6549-2	782	High Pass Filter	Sage Laboratories	007	N/A*
AFD3-0208-40-ST	367	Preamplifier	Miteq	155382	N/A*
AFS4-08001800-70-10P-4	368	Preamplifier	Miteq	167	N/A*
EPM-441A	--	Power Meter	Hewlett Packard	GB37171015	02/01
8482A	--	Power Sensor	Hewlett Packard	3318A28787	12/00
776B-30	--	Attenuator 30 dB 5W	Narda	--	N/A*

Remarks: _____

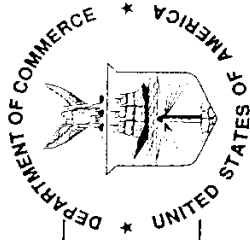
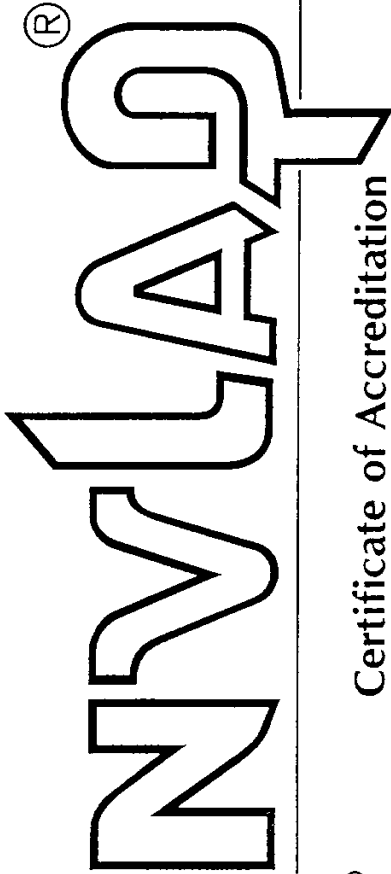
REPORT No: S0160 TESTED BY: J Owen *JEO* SPEC: FCC Part 25.202
 CUSTOMER: Qualcomm Inc. TEST DIST: 3 Meters
 E U T: Globalstar GCK-1410 Car Kit TEST SITE: 3
 EUT MODE: Transmit at maximum level BICONICAL: N/A
 DATE: 12-Apr-00 LOG: N/A

NOTES:
 OTHER: 251
RBW & VBW = 30kHz, Video averaging 30 samples for fundamental
RBW & VBW = 1MHz for harmonic peak measurements. VBW 10Hz for average
No emissions detectable above 5th harmonic. See test plan for limit explanation.

FREQ (MHz)	VERTICAL (dBuv)		HORIZONTAL (dBuv)		CORRECTION FACTOR (dBim)	MAX LEVEL (dBuV/m)		SPEC LIMIT (dBuV/m)		MARGIN (dB)		EUT Rotation	Antenna Height	Notes
	pk	av	pk	av		pk	av	pk	av	pk	av			
1610.73	97.2	96.1	96.1	96.1	30.7	127.9	127.9			128		0	1.2	Channel 1
3221.46	34.2	31.4	31.4	31.4	37.6	71.8	37.6	99.4		-27.6		0	1.5	
4832.19	13.5	14.1	14.1	14.1	41.1	55.2	41.1	99.4		-44.2		310	1.5	
6442.92	24.1	26.4	26.4	26.4	45.1	71.5	45.1	99.4		-27.8		300	1.2	
8053.65	13.3	14.5	14.5	14.5	48.4	62.9	48.4	99.4		-36.5		90	1.2	
1616.88	97.7	96.7	96.7	96.7	30.7	128.4	128.4			128		0	1.5	Channel 6
3233.76	36.7	38.1	38.1	38.1	37.6	75.7	46.7	99.9	99.9	-24.2	-53	285	1.5	
4850.64	16.5	13.7	13.7	13.7	41.1	57.6	41.1	99.9		-42.3		181	1.5	
6467.52	32.1	32.6	32.6	32.6	45.1	77.7	52.9	99.9	99.9	-22.1	-47	300	1.5	
8084.4	14.3	16.7	16.7	16.7	48.4	65.1	48.4	99.9		-34.8				
1620.57	98.1	96.6	96.6	96.6	30.6	128.7	128.7			129				Channel 9
3241.14	38.8	33.6	35.2	30	37.6	76.4	71.2	100.2	100.2	-23.9	-29	303	1.1	
4861.71	14.4	18.3	18.3	18.3	41.1	59.4	41.1	100.2		-40.9		312	1.2	
6482.28	28.3	20.6	29.1	21.4	45.1	74.2	66.5	100.2	100.2	-26	-34	207	1.2	
8102.85	16.7	15.3	15.3	15.3	48.4	65.1	48.4	100.2		-35.2		211	1.2	
1620.57	97.8	95.4	95.4	95.4	30.6	128.4	128.4			128		2	1.5	Channel 9 w/fully gasketed
3241.14	36.6	29.9	31.7	24.7	37.6	74.2	67.5	99.9	99.9	-25.8	-32	4	1.1	ODU chassis
4861.71	26.6	26.4	26.4	26.4	41.1	67.7	41.1	99.9		-32.3		335	1.1	
6482.28	35.7	27.1	34.2	22.5	45.1	80.8	72.2	99.9	99.9	-19.1	-28	66	1.5	
8102.85	12.7	10	10	10	48.4	61.1	48.4	99.9		-38.9		159	1.5	

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
FCC**

December 31, 2000


Effective through

Ronald J. 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



ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS


TUV PRODUCT SERVICE, INC.
10040 Mesa Rim Road
San Diego, CA 92121-1034
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URL: <http://www.tuvps.com>

Page: 1 of 2
NVLAP LAB CODE 100268-0

<i>NVLAP Code</i>	<i>Designation / Description</i>
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
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
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

December 31, 2000

Effective through



For the National Institute of Standards and Technology

NVLAP-01S (11-95)



ISO/IEC GUIDE 25:1990
ISO 9002:1987

Scope of Accreditation



Page: 2 of 2

**ELECTROMAGNETIC COMPATIBILITY
AND TELECOMMUNICATIONS**

NVLAP LAB CODE 100268-0

TUV PRODUCT SERVICE, INC.

NVLAP Code Designation / Description

Australian Standards referred to by clauses in ACA Technical Standards

12/T51	AS/NZS 3548: Electromagnetic Interference - Limits and Methods of Measurement of Information Technology Equipment
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December 31, 2000

Effective through

For the National Institute of Standards and Technology



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

November 29, 1999

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, 2000, 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,

A handwritten signature in cursive script that reads "David F. Alderman".

David F. Alderman, Acting Chief
Laboratory Accreditation Program

Enclosure(s)

NIST

Photograph of Test Setup



Photograph of Test Setup



Photograph of Test Setup



Photograph of Test Setup



Photograph of Test Setup

