

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	743	Spectrum Analyzer & Display	Hewlett Packard	2349A03116	10/01
AA-190-06.00.0	665	High Frequency Cable	United Microwave Prod.	--	N/A
AA-190-30.00.0	732	High Frequency Cable	United Microwave Prod.	--	N/A
3115	251	Double Ridge Antenna	EMCO	2495	10/00
FF6549-2	--	High Pass Filter	Sage Laboratories	008	N/A
AMF-3D-010180-35-10P	752	Preamplifier	Miteq	614344	N/A

Remarks: _____

Test Report #: 59537 Test Area: Canyon 1
 Test Method: FCC Part 2, Section 2.1053 and Part 25, Section 25.202(F) Date: 11/5/99
 EUT Model #: GSP-1610P EUT POWER:
 230 Vac/50 Hz 120 Vac/60 Hz
 Other: 2.2 Vdc Temperature: _____ °C
 EUT Description: Globalstar Single Mode Portable User Terminal Air Pressure: _____ kPa
 NOTES: RBWd VBW = 30 kHz, video averaging 30 samples for fundamental. RBWd VBW = 1 MHz for harmonics. No emissions were detectable above 4th harmonic. Relative Humidity: _____ %




Freq. MHz	Vertical Measured dBµV		Horizontal Measured dBµV		Correct. Factor dB/m	Maximum Corrected dBµV/m		Specified Limit dBµV		EUT Margin dB		EUT ROTATION (degrees)		ANTENNA HEIGHT (meters)	
	Peak	Avg	Peak	Avg		Peak	Avg	Peak	Avg	Peak	Avg	Vert	Horz	Vert	Horz
1610.73		95.9		96.4	30.5		126.9		-		-		0		1.0
3221.46	37.9		32.3		11.1	49.0		82.2		+33.2					
4832.19	34.8		33.4		19.8	54.0		82.2		-28.2					
6442.92	36.7		35.3		19.4	56.1		82.2		-26.1					
1616.88	94.8	94.8		94.8	30.5		125.3					0	0	1.0	1.0
3233.76	43.2		36.1		11.1	54.3		82.2		+27.9					
4850.64	34.5		31.5		19.2	53.7		82.2		-28.5					
6467.52	33.6		32.6		19.4	57.0		82.2		-25.2					
1622.57		95.8		96.6	30.5		127.1						0		1.0
3244.14	44.8		38.0		11.1	55.9		82.2		-26.3					
4866.72	38.5		34.6		19.2	57.7		82.2		-24.5					
6482.28	37.6		37.6		19.4	57.0		82.2		-25.2					

Tested by: JIM OWEN Printed
 Signature: Jim Owen
 Reviewed by: MARY WASHINGTON Printed
 Signature: Mary Washington

fccspc.DOC Rev 02.98


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



ELECTROMAGNETIC COMPATIBILITY AND TELECOMMUNICATIONS

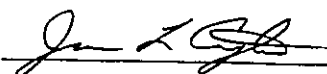
TUV PRODUCT SERVICE, INC.
10040 Mesa Rim Road
San Diego, CA 92121-1034
Mr. Floyd R. Fleury
Phone: 619-546-3999 Fax: 619-546-0364

Page: 1 of 1
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
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



For the National Institute of Standards and Technology

NVLAP-01S (11-95)

United States Department of Commerce
National Institute of Standards and Technology

NVLAP[®]



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, 1999

Effective through

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.

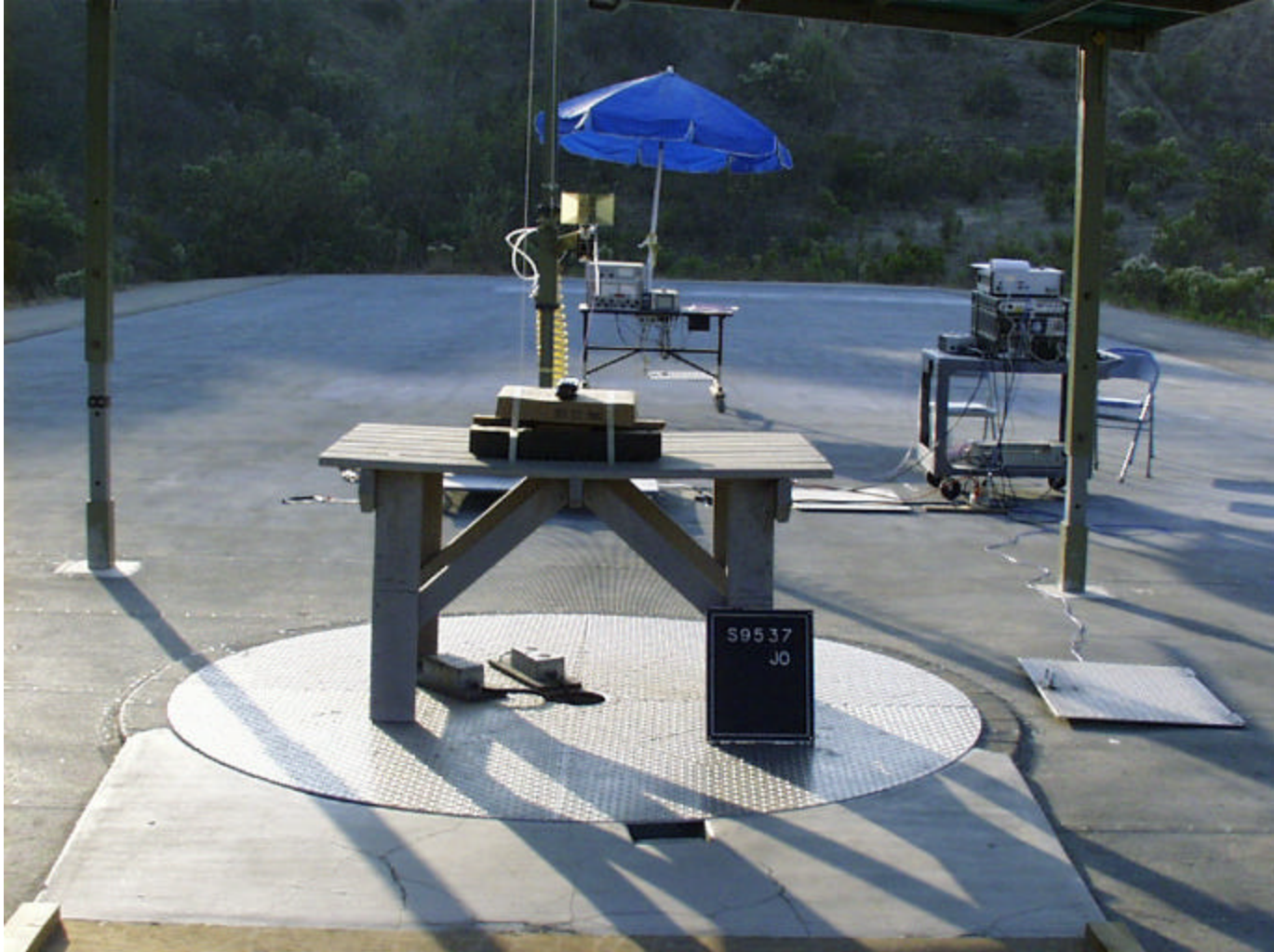
Sincerely,

James L. Cigler, Chief
Laboratory Accreditation Program

Enclosure(s)

NIST

Photograph of Test Setup



Photograph of Test Setup



Photograph of Test Setup



PRODUCT DESCRIPTION			
NAME, MODEL, SERIAL # OF EUT:		Globalstar Single-mode Portable User Terminal (UT), Model GSP-1610P, S/N N10650WH7	
DESCRIPTION OF EUT:		Portable Satellite phone/handset	
Components of EUT			
Description	Model Number	Serial Number	FCC ID Number
GS SMP UT	GSP-1610P	N10650WH7	J9CGSSM1
Li Ion Battery	GPB-1400	SCHSP4A0599*	N/A

(*) 1 of several charged batteries used in test.