TEST REPORT
FROM
RFI GLOBAL SERVICES LTD

Test of: Enfora L.P
GSM2228 MiniMT With Personal Hands Free

To: OET Bulletin 65 Supplement C (2001-01)

Test Report Serial No:
RFI/SARE3/RP72182JD11A

Supersedes Test Report Serial No:
RFI/SARE2/RP72182JD11A

This Test Report Is Issued Under The Authority Of Andrew Brown, Operations Manager: pp.	
Tested By: Nirav Modi pp.	**Checked By: Michael Derby**
Report Copy No: PDF01	
Issue Date: 13 March 2007	**Test Dates: 08 March 2007**

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1. Customer Information

Company Name:	Enfora L.P
Address:	661 E 18th Street Plano TX 75074 USA
Contact Name:	Mr R Holden

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2. Equipment Under Test (EUT)

The following information (with the exception of the date of receipt) has been supplied by the customer:

2.1. Description of EUT

The equipment under test is a Quad-Band GSM2228 MiniMT Mobile Tracking Device with personal hands free kit. The EUT was tested at GSM850, GPRS850, PCS1900 and GPRS1900.

2.2. Identification of Equipment Under Test (EUT)

Description:	Mobile Tracking Device
Brand Name:	Enfora
Model Name or Number:	GSM2228 MiniMT
Serial Number:	2228100790200
IMEI Number:	011070000067926
Hardware Version Number:	A
Software Version Number:	0.1.0
Hardware Revision of GSM Module:	C
Software Revision of GSM Module:	0.7.6
FCC ID Number:	MIVGSM2228
Country of Manufacture:	USA
Date of Receipt:	08 March 2007

2.3. Modifications Incorporated in the EUT

During the course of testing the EUT was not modified.

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2.4. Accessories

The following accessories were supplied with the EUT during testing:

Description:	Personal Hands Free Kit (PHF)
Brand Name:	None Stated on device (unbranded)
Model Name or Number:	None Provided by customer
Serial Number:	None Provided by customer
Cable Length and Type:	Length: 1.5m, Type: 2 core audio cable
Country of Manufacture:	None Stated on device
Connected to Port	2.5mm female audio jack

2.5. Support Equipment

The following support equipment was used to exercise the EUT during testing:

Description:	Radio communication Analyser
Brand Name:	Anritsu
Model Name or Number:	MT8820A
Serial Number:	6K00000647
Cable Length and Type:	1.5m, Utiflex
Connected to Port:	RF (Input / Output) Air Link

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2.6. Additional Information Related to Testing

Equipment Category	GSM850 / GSM1900 / GPRS850 / GPRS1900		
Type of Unit	Portable (Standalone battery powered device)		
Intended Operating Environment:	Within GSM Coverage		
Transmitter Maximum Output Power Characteristics:	850 MHz	33 dBm	
	1900 MHz	30 dBm	
Transmitter Frequency Range:	GSM850	824 MHz to 849 MHz	
	PCS1900	1850 MHz to 1910 MHz	
Transmitter Frequency Allocation of EUT When Under Test:	**Channel Number**	**Channel Description**	**Frequency (MHz)**
GSM850	128	Low	824.2
	189	Middle	836.4
	251	High	848.8
PCS1900	512	Low	1850.2
	660	Middle	1879.8
	810	High	1909.8
Modulation(s): GPRS/GSM	217Hz		
Modulation Scheme (Crest Factor):	GSM: 8.3	GPRS: 4	
Antenna Type:	Internal		
Antenna Length:	Unknown Length		
Number of Antenna Positions:	1 Fixed		
Power Supply Requirement:	Internal Battery Supply 3.7 V/1300mAh		
Battery Type(s):	Li-ion		

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3. Test Specification, Methods and Procedures

3.1. Test Specification

Reference:	OET Bulletin 65 Supplement C: (2001-01)
Title:	Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields.
Purpose of Test:	To determine whether the equipment met the basic restrictions as defined in OET Bulletin 65 Supplement C: (2001-01) using the SAR averaging method as described in the test specification above.

3.2. Methods and Procedures Reference Documentation

The methods and procedures used were as detailed in:

EN 62209-1: 2006
Title: Basic standard for the measurement of specific absorption rate related to human exposure to electromagnetic fields from mobile phones (300 MHz - 3 GHz).

ANSI/IEEE C95.1: 1999
IEEE standard for safety levels with respect to human exposure to radio frequency electromagnetic fields, 3 kHz to 300 GHz.

Federal Communications Commission, "Evaluating compliance with FCC Guidelines for human exposure to radio frequency electromagnetic fields", OET Bulletin 65 Supplement C, FCC, Washington, D.C, 20554, 2001.

Thomas Schmid, Oliver Egger and Neils Kuster, "Automated E-field scanning system for dosimetric assessments", IEEE Transaction on microwave theory and techniques,
Vol. 44, pp. 105-113, January 1996.

Neils Kuster, Ralph Kastle and Thomas Schmid, "Dosimetric evaluation of mobile communications equipment with know precision", IEICE Transactions of communications, Vol. E80-B, No.5, pp. 645-652, May 1997.

3.3. Definition of Measurement Equipment

The measurement equipment used complied with the requirements of the standards referenced in the methods & procedures section above. Appendix 1 contains a list of the test equipment used.

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4. Deviations from the Test Specification

At the customers request the EUT was tested in the body worn configuration only, with and without a Personal Hands Free kit attached.

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5. Operation and Configuration of the EUT during Testing

5.1. Operating Modes

The EUT was tested in the following operating mode(s) unless otherwise stated:

GSM850 Call Allocated
GPRS850 Data Allocated
PCS1900 Call Allocated
GPRS1900 Data Allocated

The reason for choosing this configuration was that it has been defined by the customer as being typical of normal use and likely to be worst case.

5.2. Configuration and Peripherals

The EUT was tested in the following configuration(s) unless otherwise stated:

Standalone mobile station with Personal Hands Free kit attached in Body-worn configuration.

Standalone mobile station without Personal Hands Free kit attached in Body-worn Configuration.

Body Configuration

a) The EUT was placed in a normal operating position where the centre of EUT was aligned with the centre reference point on the flat section of the 'SAM' phantom.

b) With the EUT touching the phantom at an imaginary centre line. The EUT was aligned with a marked plane (X and Y axis) consisting of two lines.

c) For the touch-safe position the handset was gradually moved towards the flat section of the 'SAM' phantom until any point of the EUT touched the phantom.

d) For position(s) greater then 0mm separation the EUT was positioned as per the touch-safe position, and then the vertical height was decreased/adjusted as required.

e) SAR measurements were evaluated at maximum power and the unit was operated for an appropriate period prior to the evaluation in order to minimise the drift.

f) The device was keyed to operate continuously in the transmit mode for the duration of the test.

g) The location of the maximum spatial SAR distribution (hot spot) was determined relative to the handset and its antenna.

h) The EUT was transmitting at full power throughout the duration of the test powered by a fully charge battery.

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6. Summary of Test Results

Test Name	Specification Reference	Compliancy Status
Specific Absorption Rate (SAR) GSM850 – Body Configuration	OET Bulletin 65 Supplement C: (2001-01)	Complied
Specific Absorption Rate (SAR) GPRS850 – Body Configuration	OET Bulletin 65 Supplement C: (2001-01)	Complied
Specific Absorption Rate (SAR) PCS1900 – Body Configuration	OET Bulletin 65 Supplement C: (2001-01)	Complied
Specific Absorption Rate (SAR) GPRS1900 – Body Configuration	OET Bulletin 65 Supplement C: (2001-01)	Complied

6.1. Location of Tests

All the measurements described in this report were performed at the premises of
RFI Global Services Ltd, Ewhurst Park, Ramsdell, Basingstoke, Hampshire, RG26 5RQ.

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7. Measurements, Examinations and Derived Results

7.1. General Comments

This section contains test results only.

Measurement uncertainties are evaluated in accordance with current best practice. Our reported expanded uncertainties are based on standard uncertainties, which are multiplied by an appropriate coverage factor to provide a statistical confidence level of approximately 95%. Please refer to section 8 for details of measurement uncertainties.

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7.2. Test Results

7.2.1. Specific Absorption Rate – GSM850 – Body Configuration

Test Summary:

Tissue Volume:	1g
Maximum Level (W/kg):	0.466

Environmental Conditions:

Temperature Variation in Lab (°C):	23.0 to 23.0
Temperature Variation in Liquid (°C):	23.0 to 23.4

Results:

EUT Position	Phantom Configuration	Channel Number	Level (W/kg)	Limit (W/kg)	Margin (W/kg)	Note(s)	Result
Front of EUT Facing Phantom	Flat	189	0.398	1.600	1.202	1	Complied
Rear of EUT Facing Phantom	Flat	189	0.183	1.600	1.417	1	Complied
Rear of EUT Facing Phantom with PHF	Flat	189	0.178	1.600	1.422	1	Complied
Front of EUT Facing Phantom with PHF	Flat	189	0.327	1.600	1.273	1	Complied
Front of EUT Facing Phantom	Flat	128	0.339	1.600	1.261	1	Complied
Front of EUT Facing Phantom	Flat	251	0.466	1.600	1.134	1	Complied

Note(s):

1. *SAR measurements were performed with the EUT at a separation distance of 15mm from the 'SAM' phantom flat section.*

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7.2.2. Specific Absorption Rate – GPRS850 – Body Configuration

Test Summary:

Tissue Volume:	1g
Maximum Level (W/kg):	0.355

Environmental Conditions:

Temperature Variation in Lab (°C):	23.0 to 23.0
Temperature Variation in Liquid (°C):	23.0 to 23.4

Results:

EUT Position	Phantom Configuration	Channel Number	Level (W/kg)	Limit (W/kg)	Margin (W/kg)	Note(s)	Result
Front of EUT Facing Phantom	Flat (SAM)	189	0.355	1.600	1.245	1	Complied

Note(s):

1. *SAR measurements were performed with the EUT at a separation distance of 15mm from the 'SAM' phantom flat section.*

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7.2.3. Specific Absorption Rate – PCS1900 – Body Configuration

Test Summary:

Tissue Volume:	1g
Maximum Level (W/kg):	0.178

Environmental Conditions:

Temperature Variation in Lab (°C):	23.0 to 23.0
Temperature Variation in Liquid (°C):	22.8 to 23.0

Results:

EUT Position	Phantom Configuration	Channel Number	Level (W/kg)	Limit (W/kg)	Margin (W/kg)	Note(s)	Result
Front of EUT Facing Phantom	Flat	660	0.155	1.600	1.445	1	Complied
Rear of EUT Facing Phantom	Flat	660	0.067	1.600	1.533	1	Complied
Rear of EUT Facing Phantom with PHF	Flat	660	0.060	1.600	1.540	1	Complied
Front of EUT Facing Phantom with PHF	Flat	660	0.114	1.600	1.486	1	Complied
Front of EUT Facing Phantom	Flat	512	0.133	1.600	1.467	1	Complied
Front of EUT Facing Phantom	Flat	810	0.178	1.600	1.422	1	Complied

Note(s):

1. SAR measurements were performed with the EUT at a separation distance of 15mm from the 'SAM' phantom flat section.

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7.2.4. Specific Absorption Rate – GPRS1900 Body Configuration

Test Summary:

Tissue Volume:	1g
Maximum Level (W/kg):	0.141

Environmental Conditions:

Temperature Variation in Lab (°C):	23.0 to 23.0
Temperature Variation in Liquid (°C):	22.8 to 23.0

Results:

EUT Position	Phantom Configuration	Channel Number	Level (W/kg)	Limit (W/kg)	Margin (W/kg)	Note(s)	Result
Front of EUT Facing Phantom	Flat (SAM)	660	0.141	1.600	1.459	1	Complied

Note(s):

1. *SAR measurements were performed with the EUT at a separation distance of 15mm from the 'SAM' phantom flat section.*

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7.2.5. ERP Measurement GSM850

Channel	Frequency	TX Power before Test (dBm)
Low	824.2	28.8
Middle	836.4	26.7
High	848.8	28.8

Note(s):

1. *ERP measurements are performed before testing only.*

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7.2.6. EIRP Measurement PCS1900

Channel	Frequency	TX Power before Test (dBm)
Low	1850.2	23.3
Middle	1879.8	23.1
High	1909.8	24.0

Note(s):

1. *EIRP measurements are performed before testing only.*

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8. Measurement Uncertainty

No measurement or test can ever be perfect and the imperfections give rise to error of measurement in the results. Consequently, the result of a measurement is only an approximation to the value of the measurand (the specific quantity subject to measurement) and is only complete when accompanied by a statement of the uncertainty of the approximation.

The expression of uncertainty of a measurement result allows realistic comparison of results with reference values and limits given in specifications and standards.

The uncertainty of the result may need to be taken into account when interpreting the measurement results.

The reported expanded uncertainties below are based on a standard uncertainty multiplied by an appropriate coverage factor, such that a confidence level of approximately 95% is maintained. For the purposes of this document "approximately" is interpreted as meaning "effectively" or "for most practical purposes".

Test Name	Confidence Level	Calculated Uncertainty
Specific Absorption Rate Uncertainty at 850 MHz Body 1g, GSM Modulation Scheme calculated in accordance with IEC 62209-1 & IEEE 1528	95%	18.03
Specific Absorption Rate Uncertainty at 850 MHz Body 1g, GPRS Modulation Scheme calculated in accordance with IEC 62209-1 & IEEE 1528	95%	18.03
Specific Absorption Rate Uncertainty at 1900 MHz Body 1g, PCS Modulation Scheme calculated in accordance with IEC 62209-1 & IEEE 1528	95%	18.30
Specific Absorption Rate Uncertainty at 1900 MHz Body 1g, GPRS Modulation Scheme calculated in accordance with IEC 62209-1 & IEEE 1528	95%	18.30

The methods used to calculate the above uncertainties are in line with those recommended within the various measurement specifications. Where measurement specifications do not include guidelines for the evaluation of measurement uncertainty, the published guidance of the appropriate accreditation body is followed.

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Measurement Uncertainty (Continued)

8.1. GSM850 – Body Configuration

Specific Absorption Rate Uncertainty at 850 MHz Body 1g, GSM Modulation Scheme calculated in accordance with IEC 62209-1 & IEEE 1528

Type	Source of uncertainty	+ Value	- Value	Probability Distribution	Divisor	$c_{i\,(1g)}$	Standard Uncertainty		υ_i or υ_{eff}	Note
							+ u (%)	- u (%)		
B	Probe calibration	11.000	11.000	normal (k=2)	2.0000	1.0000	5.500	5.500	∞	
B	Axial Isotropy	0.500	0.500	normal (k=2)	2.0000	1.0000	0.250	0.250	∞	
B	Hemispherical Isotropy	2.600	2.600	normal (k=2)	2.0000	1.0000	1.300	1.300	∞	
B	Spatial Resolution	0.500	0.500	Rectangular	1.7321	1.0000	0.289	0.289	∞	
B	Boundary Effect	0.769	0.769	Rectangular	1.7321	1.0000	0.444	0.444	∞	
B	Linearity	0.600	0.600	Rectangular	1.7321	1.0000	0.346	0.346	∞	
B	Detection Limits	0.200	0.200	Rectangular	1.7321	1.0000	0.115	0.115	∞	
B	Readout Electronics	0.560	0.560	normal (k=2)	2.0000	1.0000	0.280	0.280	∞	
B	Response Time	0.000	0.000	Rectangular	1.7321	1.0000	0.000	0.000	∞	
B	Integration Time	1.730	1.730	Rectangular	1.7321	1.0000	0.999	0.999	∞	
B	RF Ambient conditions	3.000	3.000	Rectangular	1.7321	1.0000	1.732	1.732	∞	
B	Probe Positioner Mechanical Restrictions	4.000	4.000	Rectangular	1.7321	1.0000	2.309	2.309	∞	
B	Probe Positioning with regard to Phantom Shell	2.850	2.850	Rectangular	1.7321	1.0000	1.645	1.645	∞	
B	Extrapolation and integration/ Maximum SAR evaluation	5.080	5.080	Rectangular	1.7321	1.0000	2.933	2.933	∞	
A	Test Sample Positioning	0.584	0.584	normal (k=1)	1.0000	1.0000	0.584	0.584	10	
A	Device Holder uncertainty	0.154	0.154	normal (k=1)	1.0000	1.0000	0.154	0.154	10	
B	Phantom Uncertainty	4.000	4.000	Rectangular	1.7321	1.0000	2.309	2.309	∞	
B	Drift of output power	5.000	5.000	Rectangular	1.7321	1.0000	2.887	2.887	∞	
B	Liquid Conductivity (target value)	5.000	5.000	Rectangular	1.7321	0.6400	1.848	1.848	∞	
A	Liquid Conductivity (measured value)	3.600	3.600	normal (k=1)	1.0000	0.6400	2.304	2.304	5	
B	Liquid Permittivity (target value)	5.000	5.000	Rectangular	1.7321	0.6000	1.732	1.732	∞	
A	Liquid Permittivity (measured value)	4.000	4.000	normal (k=1)	1.0000	0.6000	2.400	2.400	5	
	Combined standard uncertainty			t-distribution			9.20	9.20	>500	
	Expanded uncertainty			k = 1.96			18.03	18.03	>500	

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Measurement Uncertainty (Continued)

8.2. GPRS850 – Body Configuration

Specific Absorption Rate Uncertainty at 850 MHz Body 1g, GPRS Modulation Scheme calculated in accordance with IEC 62209-1 & IEEE 1528

Type	Source of uncertainty	+ Value	- Value	Probability Distribution	Divisor	$c_{i\,(1g)}$	Standard Uncertainty + u (%)	Standard Uncertainty - u (%)	υ_i or υ_{eff}	Note
B	Probe calibration	11.000	11.000	normal (k=2)	2.0000	1.0000	5.500	5.500	∞	
B	Axial Isotropy	0.500	0.500	normal (k=2)	2.0000	1.0000	0.250	0.250	∞	
B	Hemispherical Isotropy	2.600	2.600	normal (k=2)	2.0000	1.0000	1.300	1.300	∞	
B	Spatial Resolution	0.500	0.500	Rectangular	1.7321	1.0000	0.289	0.289	∞	
B	Boundary Effect	0.769	0.769	Rectangular	1.7321	1.0000	0.444	0.444	∞	
B	Linearity	0.600	0.600	Rectangular	1.7321	1.0000	0.346	0.346	∞	
B	Detection Limits	0.200	0.200	Rectangular	1.7321	1.0000	0.115	0.115	∞	
B	Readout Electronics	0.560	0.560	normal (k=2)	2.0000	1.0000	0.280	0.280	∞	
B	Response Time	0.000	0.000	Rectangular	1.7321	1.0000	0.000	0.000	∞	
B	Integration Time	1.730	1.730	Rectangular	1.7321	1.0000	0.999	0.999	∞	
B	RF Ambient conditions	3.000	3.000	Rectangular	1.7321	1.0000	1.732	1.732	∞	
B	Probe Positioner Mechanical Restrictions	4.000	4.000	Rectangular	1.7321	1.0000	2.309	2.309	∞	
B	Probe Positioning with regard to Phantom Shell	2.850	2.850	Rectangular	1.7321	1.0000	1.645	1.645	∞	
B	Extrapolation and integration/ Maximum SAR evaluation	5.080	5.080	Rectangular	1.7321	1.0000	2.933	2.933	∞	
A	Test Sample Positioning	0.584	0.584	normal (k=1)	1.0000	1.0000	0.584	0.584	10	
A	Device Holder uncertainty	0.154	0.154	normal (k=1)	1.0000	1.0000	0.154	0.154	10	
B	Phantom Uncertainty	4.000	4.000	Rectangular	1.7321	1.0000	2.309	2.309	∞	
B	Drift of output power	5.000	5.000	Rectangular	1.7321	1.0000	2.887	2.887	∞	
B	Liquid Conductivity (target value)	5.000	5.000	Rectangular	1.7321	0.6400	1.848	1.848	∞	
A	Liquid Conductivity (measured value)	3.600	3.600	normal (k=1)	1.0000	0.6400	2.304	2.304	5	
B	Liquid Permittivity (target value)	5.000	5.000	Rectangular	1.7321	0.6000	1.732	1.732	∞	
A	Liquid Permittivity (measured value)	4.000	4.000	normal (k=1)	1.0000	0.6000	2.400	2.400	5	
	Combined standard uncertainty			t-distribution			9.20	9.20	>500	
	Expanded uncertainty			k = 1.96			18.03	18.03	>500	

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Measurement Uncertainty (Continued)

8.3. PCS1900 – Body Configuration

Specific Absorption Rate Uncertainty at 1900 MHz Body 1g, PCS Modulation Scheme calculated in accordance with IEC 62209-1 & IEEE 1528

Type	Source of uncertainty	+ Value	- Value	Probability Distribution	Divisor	$c_{i\,(1g)}$	Standard Uncertainty		υ_i or υ_{eff}	Note
							+ u (%)	- u (%)		
B	Probe calibration	11.000	11.000	normal (k=2)	2.0000	1.0000	5.500	5.500	∞	
B	Axial Isotropy	0.500	0.500	normal (k=2)	2.0000	1.0000	0.250	0.250	∞	
B	Hemispherical Isotropy	2.600	2.600	normal (k=2)	2.0000	1.0000	1.300	1.300	∞	
B	Spatial Resolution	0.500	0.500	Rectangular	1.7321	1.0000	0.289	0.289	∞	
B	Boundary Effect	0.769	0.769	Rectangular	1.7321	1.0000	0.444	0.444	∞	
B	Linearity	0.600	0.600	Rectangular	1.7321	1.0000	0.346	0.346	∞	
B	Detection Limits	0.200	0.200	Rectangular	1.7321	1.0000	0.115	0.115	∞	
B	Readout Electronics	0.560	0.560	normal (k=2)	2.0000	1.0000	0.280	0.280	∞	
B	Response Time	0.000	0.000	Rectangular	1.7321	1.0000	0.000	0.000	∞	
B	Integration Time	1.730	1.730	Rectangular	1.7321	1.0000	0.999	0.999	∞	
B	RF Ambient conditions	3.000	3.000	Rectangular	1.7321	1.0000	1.732	1.732	∞	
B	Probe Positioner Mechanical Restrictions	4.000	4.000	Rectangular	1.7321	1.0000	2.309	2.309	∞	
B	Probe Positioning with regard to Phantom Shell	2.850	2.850	Rectangular	1.7321	1.0000	1.645	1.645	∞	
B	Extrapolation and integration/ Maximum SAR evaluation	5.080	5.080	Rectangular	1.7321	1.0000	2.933	2.933	∞	
A	Test Sample Positioning	0.584	0.584	normal (k=1)	1.0000	1.0000	0.584	0.584	10	
A	Device Holder uncertainty	0.154	0.154	normal (k=1)	1.0000	1.0000	0.154	0.154	10	
B	Phantom Uncertainty	4.000	4.000	Rectangular	1.7321	1.0000	2.309	2.309	∞	
B	Drift of output power	5.000	5.000	Rectangular	1.7321	1.0000	2.887	2.887	∞	
B	Liquid Conductivity (target value)	5.000	5.000	Rectangular	1.7321	0.6400	1.848	1.848	∞	
A	Liquid Conductivity (measured value)	4.170	4.170	normal (k=1)	1.0000	0.6400	2.669	2.669	5	
B	Liquid Permittivity (target value)	5.000	5.000	Rectangular	1.7321	0.6000	1.732	1.732	∞	
A	Liquid Permittivity (measured value)	4.230	4.230	normal (k=1)	1.0000	0.6000	2.538	2.538	5	
	Combined standard uncertainty			t-distribution			9.34	9.34	>400	
	Expanded uncertainty			k = 1.96			18.30	18.30	>400	

Test of: Enfora L.P
GSM2228 MiniMT With Personal Hands Free

To: OET Bulletin 65 Supplement C (2001-01)

Measurement Uncertainty (Continued)

8.4. GPRS1900 – Body Configuration

Specific Absorption Rate Uncertainty at 1900 MHz Body 1g, GPRS Modulation Scheme calculated in accordance with IEC 62209-1 & IEEE 1528

Type	Source of uncertainty	+ Value	- Value	Probability Distribution	Divisor	$c_{i\,(1g)}$	Standard Uncertainty + u (%)	Standard Uncertainty - u (%)	υ_i or υ_{eff}	Note
B	Probe calibration	11.000	11.000	normal (k=2)	2.0000	1.0000	5.500	5.500	∞	
B	Axial Isotropy	0.500	0.500	normal (k=2)	2.0000	1.0000	0.250	0.250	∞	
B	Hemispherical Isotropy	2.600	2.600	normal (k=2)	2.0000	1.0000	1.300	1.300	∞	
B	Spatial Resolution	0.500	0.500	Rectangular	1.7321	1.0000	0.289	0.289	∞	
B	Boundary Effect	0.769	0.769	Rectangular	1.7321	1.0000	0.444	0.444	∞	
B	Linearity	0.600	0.600	Rectangular	1.7321	1.0000	0.346	0.346	∞	
B	Detection Limits	0.200	0.200	Rectangular	1.7321	1.0000	0.115	0.115	∞	
B	Readout Electronics	0.560	0.560	normal (k=2)	2.0000	1.0000	0.280	0.280	∞	
B	Response Time	0.000	0.000	Rectangular	1.7321	1.0000	0.000	0.000	∞	
B	Integration Time	1.730	1.730	Rectangular	1.7321	1.0000	0.999	0.999	∞	
B	RF Ambient conditions	3.000	3.000	Rectangular	1.7321	1.0000	1.732	1.732	∞	
B	Probe Positioner Mechanical Restrictions	4.000	4.000	Rectangular	1.7321	1.0000	2.309	2.309	∞	
B	Probe Positioning with regard to Phantom Shell	2.850	2.850	Rectangular	1.7321	1.0000	1.645	1.645	∞	
B	Extrapolation and integration/ Maximum SAR evaluation	5.080	5.080	Rectangular	1.7321	1.0000	2.933	2.933	∞	
A	Test Sample Positioning	0.584	0.584	normal (k=1)	1.0000	1.0000	0.584	0.584	10	
A	Device Holder uncertainty	0.154	0.154	normal (k=1)	1.0000	1.0000	0.154	0.154	10	
B	Phantom Uncertainty	4.000	4.000	Rectangular	1.7321	1.0000	2.309	2.309	∞	
B	Drift of output power	5.000	5.000	Rectangular	1.7321	1.0000	2.887	2.887	∞	
B	Liquid Conductivity (target value)	5.000	5.000	Rectangular	1.7321	0.6400	1.848	1.848	∞	
A	Liquid Conductivity (measured value)	4.170	4.170	normal (k=1)	1.0000	0.6400	2.669	2.669	5	
B	Liquid Permittivity (target value)	5.000	5.000	Rectangular	1.7321	0.6000	1.732	1.732	∞	
A	Liquid Permittivity (measured value)	4.230	4.230	normal (k=1)	1.0000	0.6000	2.538	2.538	5	
	Combined standard uncertainty			t-distribution			9.34	9.34	>400	
	Expanded uncertainty			k = 1.96			18.30	18.30	>400	