Nemko Test Report No.:	3L0477RUS1
Applicant:	Enfora, Inc. 661 E. 18 <sup>th</sup> Street Plano, TX 75074
Equipment Under Test:	EnablerII-G Model GSM0108
In Accordance With:	FCC Part 22, Subpart H 800 MHz Cellular Subscriber Units
Tested By:	Nemko Dallas Inc. 802 N. Kealy Lewisville, TX 75057-3136
Authorized By:	Jo- Till
Addion25d By.	Tom Tidwell, Frontline Manager
Date:	12/09/03

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**EQUIPMENT: GSM0108** 

FCC PART 22, SUBPART H 800 MHz CELLULAR SUBSCRIBER UNITS REPORT NO.: 3L0477RUS1

# Section 1. Summary of Test Results

Manufacturer:	Enfora,	Inc.			
Model No.:		GSM0108			
Serial No.:		SN1			
General:		All measurements are tra	aceable to	nationa	l standards.
		ducted on a sample of th Part 22, Subpart H.	e equipme	ent for th	ne purpose of demonstrating
$\boxtimes$	New Su	ıbmission			Production Unit
	Class II	Permissive Change		Pre-P	roduction Unit
This test repor	t relates	s only to the item(s) teste	d.		
The following been made. no		ns from, additions to, or e	exclusions	from th	e test specifications have
		orizes the above named ety and for use by the co		•	duce this report provided it is es only.

Any use which a third party makes of this report, or any reliance on or decisions to be made

responsibility for damages, if any, suffered by any third party as a result of decisions made or

based on it, are the responsibility of such third parties. Nemko USA Inc. accepts no

actions based on this report. This report applies only to the items tested.

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# Summary Of Test Data

EQUIPMENT: GSM0108

NAME OF TEST	PARA. NO.	RESULT
RF Power Output	2.1046	Complies
Audio Frequency Response	2.1047	NA
Audio Low Pass Filter Response	2.1047	NA
Modulation Limiting	2.1047	NA
Occupied Bandwidth	2.1049	Complies
Spurious Emissions at Antenna Terminals	2.1051	Complies
Field Strength of Spurious Emissions	2.1053	Complies
Frequency Stability	2.1055	Complies

Footnotes:

The device is digital only.

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EQUIPMENT: GSM0108

### Section 2. General Equipment Specification

Frequency Range: 824.2 to 848.8 MHz

Tunable Bands: 824.2 to 848.8 MHz

Necessary Bandwidth: 300 kHz

Emission Designator: 270K0G7W

Output Impedance: 50 ohms

RF Power Output (rated): 33 dBm (2 Watts)

Number of Channels: 124

Channel Spacing: 300 kHz

Operator Selection of Frequency: Software Controlled

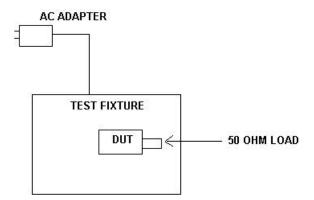
Power Output Adjustment Capability: Software Controlled

**EQUIPMENT:** GSM0108

### **Operational Description**

This device is a wireless GSM/GPRS wireless modem that operates in the 800 MHz cellular band.

### **System Diagram**



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EQUIPMENT: GSM0108 REPORT NO.: 3L0477RUS1

### Section 3. RF Power Output

NAME OF TEST: RF Power Output PARA. NO.: 2.1046

TESTED BY: David Light DATE: 12/1/03

Test Results: Complies.

Measurement Data:

Frequency	Output Power	Rated Power
(MHz)	(dBm)	(dBm)
824.2	32.2	33
836.52	32.2	33
848.8	32.4	33

Equipment Used: 1036-1064-1065-1629

Measurement Uncertainty: +/- 1.7 dB dB

Temperature: 22 °C

Relative Humidity: 40 %

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**EQUIPMENT: GSM0108** 

### Section 4. Occupied Bandwidth

NAME OF TEST: Occupied Bandwidth PARA. NO.: 2.1049

GSM

TESTED BY: David Light DATE: 12/01/03

Test Results: Complies.

Measurement Data: See attached graph.

Equipment Used: 1036-1064-1065-1629

Measurement Uncertainty: 1x10<sup>-7</sup> ppm

Temperature: 22 °C

Relative Humidity: 40 %

**EQUIPMENT: GSM0108** 

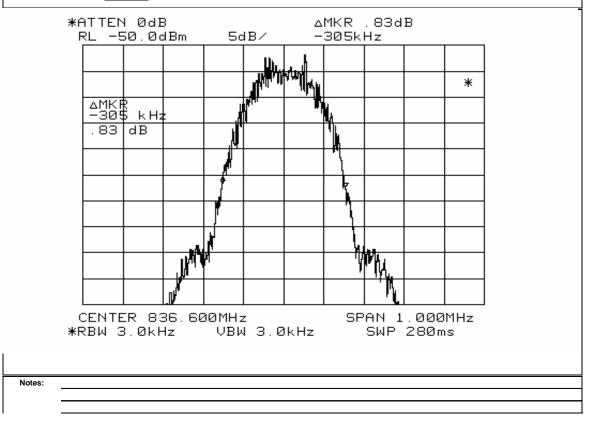
#### Test Plot - Occupied Bandwidth



Dallas Headquarters: 802 N. Kealy Lewisville, TX 75057 Tel: (972) 436-9600

Fax: (972) 436-2667

Nemko Dallas, Inc. Data Plot **Occupied Bandwidth** Page  $\underline{1}$  of  $\underline{1}$ Complete X Date: 12/1/2003 Preliminary: Job No.: 3L0477 Specification: PART22  $Temperature (^{\circ}C):$ 22 Tested By: David Light Relative Humidity(%) 40 E.U.T.: GSM0108 Configuration: TX IN TEST FIXTURE Sample Number: 1 Lab 1 RBW: 20 kHz Location: Measurement VBW: 20 kHz Detector Type: Peak Distance: NA m Test Equipment Used Antenna: Directional Coupler: Cable #1: 1484 Pre-Amp: Filter: Cable #2: Receiver: 1464 Cable #3: Cable #4: Attenuator #1 Mixer: Attenuator #2: Additional equipment used: 1X10<sup>-7</sup> ppm Measurement Uncertainty:



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EQUIPMENT: GSM0108 REPORT NO.: 3L0477RUS1

# Section 5. Spurious Emissions at Antenna Terminals

NAME OF TEST: Spurious Emissions At Antenna Terminals PARA. NO.: 2.1051

TESTED BY: David Light DATE: 12/1/03

Test Results: Complies.

Measurement Data: See attached graph.

Equipment Used: 1036-1064-1065-1629

Measurement Uncertainty: +/- 1.7 dB

Temperature: 22 °C

Relative Humidity: 40 %

3L0477RUS1

**EQUIPMENT: GSM0108** 

#### **Test Plots – Spurious Emissions at Antenna Terminals**



Dallas Headquarters: 802 N. Kealy Lewisville, TX 75057 Tel: (972) 436-9600 Fax: (972) 436-2667

Nemko Dallas, Inc. **Spurious Emissions at Antenna Terminals** Data Plot Page  $\underline{1}$  of  $\underline{3}$ Complete 3L0477 Preliminary: Job No.: Temperature(°C): 22 Specification: PART22 David Light Relative Humidity(%) E.U.T.: GSM0108 Configuration: TX IN TEST FIXTURE Sample Number: Location: Lab 1 RBW: Refer to plots Distance: NA Peak VBW: Refer to plots Detector Type: Test Equipment Used Directional Coupler: Antenna: Pre-Amp: Cable #1: Filter: Cable #2: Receiver: Cable #3: Cable #4: Attenuator #1 Attenuator #2: Mixer: Additional equipment used: +/-1.7 dB Measurement Uncertainty: Ref Lv1 19.74 dBm VBW 2 kHz 824.20000000 MHz SWT 50.6 dBm 1.25 s Unit dBm 50.6 30.6 dB Offset 74 LIMIT CHE ASSED 40 30 20 1 V I E W 1MA 10 -10 -20 -30 -40 49.4 Center 824 MHz 200 kHz/ 01.DEC.2003 14:02:06 bate: LOWER BAND EDGE Notes:

**EQUIPMENT: GSM0108** 

### Test Plots – Spurious Emissions at Antenna Terminals



#### Dallas Headquarters:

802 N. Kealy Lewisville, TX 75057 Tel: (972) 436-9600 Fax: (972) 436-2667

Nemko Dallas, Inc. **Spurious Emissions at Antenna Terminals Data Plot** Page <u>2</u> of <u>3</u> 3L0477 Date: 12/1/2003 Job No.: Specification: PART22 Temperature(°C):  $\underline{22}$ Tested By: David Light Relative Humidity(%) 40 E.U.T.: GSM0108 TX IN TEST FIXTURE Configuration: Ref Lvl 2 kHz 16.16 dBm VBW 50.6 dBm 848.80000000 MHz SWT 1.25 s 30.6 SSED<sup>▼1</sup> 16 dBn Α LIMIT CHE 8.80000 oo MHz 4Π 20 1 V I E W 10 – 1Ω -20 -30 -40 Center 849 MHz 200 kHz/ Span 2 MHz 01.DEC.2003 14:04:34 Date: UPPER BAND EDGE

3L0477RUS1

REPORT NO.:

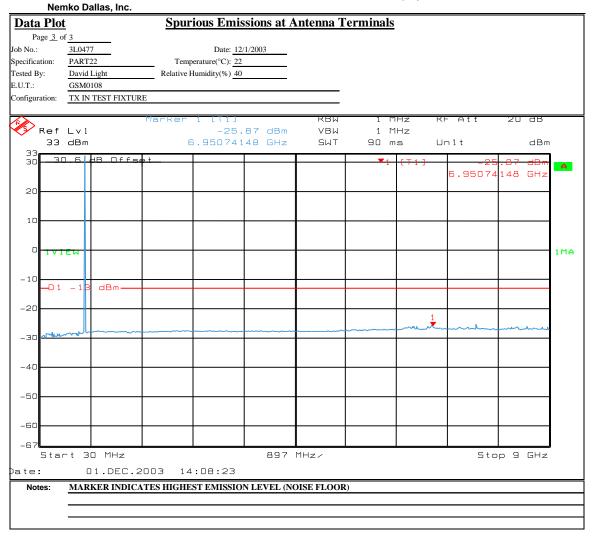
EQUIPMENT: GSM0108

#### **Test Plots – Spurious Emissions at Antenna Terminals**



Dallas Headquarters: 802 N. Kealy Lewisville, TX 75057 Tel: (972) 436-9600

Tel: (972) 436-9600 Fax: (972) 436-2667



FCC PART 22, SUBPART H
800 MHz CELLULAR SUBSCRIBER UNITS
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EQUIPMENT: GSM0108

### Section 6. Field Strength of Spurious

NAME OF TEST: Field Strength of Spurious PARA. NO.: 2.1053

TESTED BY: Dustin Oaks DATE: 12/1/03

Test Results: Complies.

Measurement Data: See attached table.

Equipment Used: 1464-993-1016-1484-1485

Measurement Uncertainty: +/- 1.7 dB

Temperature: 22 °C

Relative Humidity: 60 %

FCC PART 22, SUBPART H 800 MHz CELLULAR SUBSCRIBER UNITS REPORT NO.: 3L0477RUS1

**EQUIPMENT: GSM0108** 

#### **Test Data - Radiated Emissions**



#### Dallas Headquarters:

802 N. Kealy Lewisville, TX 75057 Tel: (972) 436-9600 Fax: (972) 436-2667

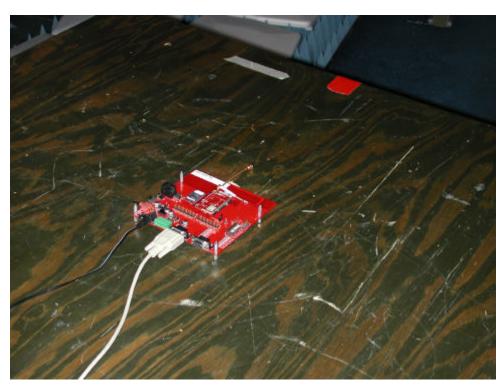
Nemko Dallas, Inc.

		ERP Substitu	tion Met	ethod	
Page <u>1</u> c	of <u>1</u>			Complete x	
Job No.:	3L0477	Date: 12/1/03		Preliminary	
Specification:	PART 22	Temperature(°C): 20			
Tested By:	Dustin Oaks	Relative Humidity(%) 60			
E.U.T.:	GSM0108				
Configuration:	TX IN TEST	FIXTURE INTO LOAD			
Sample No:				<del></del>	
Location:	Lab 3	RBW:	1 MHz	Measurement	
Detector Type:	Peak	VBW:	1 MHz	Distance: 3 m	
Test Equipm	nent Used				
Antenna:	993	Directional Coupler:			
Pre-Amp:	1016	Cable #1:	1484		
Filter:		Cable #2:	1485		
Receiver:	1464	Cable #3:			
Attenuator #1		Cable #4:			
Attenuator #2:		Mixer:			
Additional equip	pment used:				
Measurement U	ncertainty:	+/-1.7 dB			

Frequency	Meter Reading	Substitution Level	Pre-Amp Gain	Substitution Antenna Gain	ERP	Limit	Margin	Polarity	Comments
(MHz)	(dBm)	(dBm)	(dB)	(dBd)	(dBm)	(dBm)	(dB)		
1673.35	-49.0	-48.5	32.5	7.3	-48.5	-13.0	-35.5000	h	
2509.70	-55.2	-52.6	32.9	8.0	-52.6	-13.0	-39.5700	h	
3346.38	-53.3	-49.6	32.6	8.0	-49.6	-13.0	-36.5967	h	
5019.60	-51.5	-45.9	32.7	8.2	-45.9	-13.0	-32.8667	h	
5856.26	-56.2	-50.3	31.9	9.3	-50.3	-13.0	-37.2667	h	
8366.10	-57.7	-48.1	32.9	9.1	-48.1	-13.0	-35.1000	h	
1673.30	-46.8	-48.3	32.5	7.3	-48.3	-13.0	-35.3300	v	
2509.90	-52.6	-50.0	32.9	8.0	-50.0	-13.0	-37.0000	v	
3346.50	-50.6	-43.4	32.6	8.0	-43.4	-13.0	-30.3667	V	
4183.03	-56.0	-43.7	33	8.2	-43.7	-13.0	-30.6667	v	
5019.63	-49.8	-41.2	32.7	8.2	-41.2	-13.0	-28.1967	V	
5856.23	-57.3	-49.4	31.9	9.3	-49.4	-13.0	-36.3967	v	
6692.48	-58.8	-49.1	31.57	9.4	-49.1	-13.0	-36.0667	V	
7529.43	-58.0	-49.1	32.89	9.2	-49.1	-13.0	-36.0567	V	
8366.03	-56.3	-46.4	32.9	9.1	-46.4	-13.0	-33.3967	V	
9202.63	-56.0	-48.7	34	9.6	-48.7	-13.0	-35.6667	v	
Notes:		•	•			•	•		

### **Photographs of Test Setup**





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EQUIPMENT: GSM0108

### Section 7. Frequency Stability

NAME OF TEST: Frequency Stability PARA. NO.: 2.1055

TESTED BY: David Light DATE: 12/2/03

Test Results: Complies.

Measurement Data: See attached table.

Standard Test Frequency: 836.657680 MHz

Standard Test Voltage: 5 Vdc

Equipment Used: 283-1064-1065-1629-1036

Measurement Uncertainty: 1x10<sup>-7</sup> ppm

Temperature: 22 °C

Relative Humidity: 40 %

FCC PART 22, SUBPART H 800 MHz CELLULAR SUBSCRIBER UNITS REPORT NO.: 3L0477RUS1

**EQUIPMENT: GSM0108** 

#### **Test Data – Frequency Stability**



#### **Dallas Headquarters:**

802 N. Kealy Lewisville, TX 75057 Tel: (972) 436-9600 Fax: (972) 436-2667

### **Frequency Stability**

Client: ENFORA W.O.# 3L0477R

EUT: <u>GSM0108</u> S/N: <u>SN1</u>

Date: <u>12/2/03</u> Tech: <u>LIGHT</u>

Standard test Frequency: 836.657680 MHz Standard Test Voltage: 3.8 Vdc

Test Equipment used:

Temperature	Voltage	Frequency Error (kHz)	Comments
20 °C	3.8	0.000	
20 °C	4.37	0.000	
20 °C	3.25	0.000	
10 °C	3.8	4.058	
0 °C	3.8	5.410	
-10 °C	3.8	5.861	
-20 °C	3.8	5.185	
-30 °C	3.8	3.381	
30 °C	3.8	0.901	
40 °C	3.8	-0.226	
50 °C	3.8	-0.226	

REPORT NO.:

3L0477RUS1

**EQUIPMENT:** GSM0108

# Section 8. Test Equipment List

Namk	Nescrin:	Manufac Model	Serial	Calinta Da	Calihta D
10	SPECTRLIM	ROHDF & ESE	83084	12/1	12/1
10	ATTENII	NAR 776B	NO	C	N/
10	ATTENII	NAR 776B	NO	C	N/
16	CARI	MFGAP 10311	NI/	C	N/
14	Spectrum	Hewlett 856	3551∆∩	N2/1	∩2/1
14	Cable 2 0-	Sto PR90-	N/	N7/2	07/2
14	Cable 2 n-	Sto PR90-	NI/	N7/9	N7/2
10	Pre-	HFWI FTT 844	274940	8/28	8/28
Q	Horn	A H SAS-	X	<b>Ω1/Ω</b>	<b>Ω1/Ω</b>
2	Environmental Chamber with	FNI/IROTR SH27 &	12901	∩4/2	∩4/2

FCC PART 22, SUBPART H
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**EQUIPMENT:** GSM0108

**ANNEX A - TEST DETAILS** 

FCC PART 22, SUBPART H
800 MHz CELLULAR SUBSCRIBER UNITS
REPORT NO.: 3L0477RUS1

**EQUIPMENT: GSM0108** 

NAME OF TEST: RF Power Output PARA. NO.: 1.1046

#### Minimum Standard:

§22.913 Effective radiated power limits. - The effective radiated power (ERP) of transmitters in the Cellular Radiotelephone Service must not exceed the limits in this section.

(a) Maximum ERP. The effective radiated power (ERP) of base transmitters and cellular repeaters must not exceed 500 Watts. The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

Method Of Measurement:

Detachable Antenna:

The power at antenna terminals is measured using power meter.

Integral Antenna:

Test Method: TIA/EIA-603-1992, Section 2.2.12

The antenna substitution method was used to determine the equivalent radiated power at spurious frequencies. The spurious emissions were measured at a distance of 3 meters. The EUT was then replaced with a reference substitution antenna with a known gain referenced to a dipole. This antenna was fed with a signal at the spurious frequency. The level of the signal was adjusted to repeat the previously measured level. The resulting erp is the signal level fed to the reference antenna corrected for gain referenced to a dipole.

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EQUIPMENT: GSM0108

NAME OF TEST: Audio Frequency Response PARA. NO.: 2.1047

Minimum Standard: No specific limit expressed in the FCC Rules.

From 300 to 3000 Hz the audio frequency response should not vary more than +1 to -3 dB from a true 6dB octave pre-emphasis characteristic as referred to 1000 Hz level (with the exception of a permissible 6dB per octave roll-off from 2500 to 3000 Hz).

#### Method Of Measurement:

Operate the transmitter with the compressor disabled, and monitor the output with a frequency deviation meter or standard test receiver without standard 750-microsecond de-emphasis, with expander disabled, and without C-message weighted filter (see 6.6.2). Apply a sine wave audio input to the transmitter external audio input port, vary the modulating frequency from 300 to 3000 Hz and observe the input levels necessary to maintain a constant  $\pm 2.9$  kHz system deviation.

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EQUIPMENT: GSM0108

NAME OF TEST: Audio Low Pass Filter Response PARA. NO.: 2.1047

**Minimum Standard:** No specific limit expressed in the FCC Rules.

For mobile stations, signals should be attenuated as a function of frequency as follows:

- i. In the frequency ranges 3.0 to 5.9 Hz and 6.1 to 15 kHz, 40 log (f/3) dB.
- ii. In the frequency range 5.9 to 6.1 kHz, 35 dB
- iii. In the frequency range above 15 kHz, 28 dB.

#### Method Of Measurement:

Adjust the audio input frequency to 1000 Hz and adjust the input level to 20 dB greater than that required to produce  $\pm 8$  kHz deviation. Note the output level on the frequency deviation meter or standard test receiver. Using the output level as reference (0dB), vary the modulating frequency from 3000 Hz to 30,000 Hz and observe the change in output while maintaining a constant audio input level.

FCC PART 22, SUBPART H 800 MHz CELLULAR SUBSCRIBER UNITS REPORT NO.: 3L0477RUS1

**EQUIPMENT: GSM0108** 

#### NAME OF TEST: Modulation Limiting PARA. NO.: 2.1047

Minimum Standard: No specific requirement expressed in the FCC Rules.

The levels of the modulating signals should be set to the values specified below and should be maintained within  $\pm 10\%$  of these values.

Voice: ±12 kHz SAT: ±2 kHz

Wideband Data: ±8 kHz

ST:  $\pm$  8 kHz

#### Method Of Measurement:

Voice: A 1 kHz audio tone is injected at levels between -45 and +20 dBVrms. The peak deviation is noted. This is repeated with a 300 Hz tone and a 3 kHz tone. A plot showing the family of curves is presented.

SAT: A SAT tone is generated by the mobile station and the peak deviation is measured.

Wideband Data: Wideband data is generated by the mobile station and the peak deviation is measured.

ST: ST data is generated by the mobile station and the peak deviation is measured.

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EQUIPMENT: GSM0108

NAME OF TEST: Occupied Bandwidth (Voice & SAT) PARA. NO.: 2.1049

#### Minimum Standard:

22.917 Emission limitations for cellular equipment. - The rules in this section govern the spectral characteristics of emissions in the Cellular Radiotelephone Service.

- (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.
- (b) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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EQUIPMENT: GSM0108

NAME OF TEST: Occupied Bandwidth (WBD & SAT) PARA. NO.: 2.1049

#### Minimum Standard:

22.917 Emission limitations for cellular equipment. - The rules in this section govern the spectral characteristics of emissions in the Cellular Radiotelephone Service.

- (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.
- (b) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC PART 22, SUBPART H
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EQUIPMENT: GSM0108

NAME OF TEST: Spurious Emission at Antenna Terminals PARA. NO.: 2.1051

#### Minimum Standard:

22.917 Emission limitations for cellular equipment. - The rules in this section govern the spectral characteristics of emissions in the Cellular Radiotelephone Service.

- (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.
- (b) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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EQUIPMENT: GSM0108

NAME OF TEST: Field Strength of Spurious Radiation PARA. NO.: 2.1053

#### Minimum Standard:

22.917 Emission limitations for cellular equipment. - The rules in this section govern the spectral characteristics of emissions in the Cellular Radiotelephone Service.

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

Test Method: TIA/EIA-603-1992, Section 2.2.12

The antenna substitution method was used to determine the equivalent radiated power at spurious frequencies. The spurious emissions were measured at a distance of 3 meters. The EUT was then replaced with a reference substitution antenna with a known gain referenced to a dipole. This antenna was fed with a signal at the spurious frequency. The level of the signal was adjusted to repeat the previously measured level. The resulting erp is the signal level fed to the reference antenna corrected for gain referenced to a dipole.

The spectrum is searched to 10 GHz.

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**EQUIPMENT: GSM0108** 

Minimum Standard: Para. No. 22.355. The transmitter carrier frequency shall remain within the tolerances given in Table C-1.

Freq. Range (MHz)	Mobile > 3 W	Mobile ≤ 3 W
821 to 896	2.5	2.5

#### Table C-1

#### Method Of Measurement:

Frequency Stability With Voltage Variation:

The E.U.T. is placed in an environmental chamber and allowed to stabilize at +20 degrees Celsius for at least 15 minutes. With the voltage input to the E.U.T. set to 85% S.T.V., the frequency is measured in 30 second intervals for a period of 5 minutes. This procedure is repeated at 100% S.T.V. and 115% S.T.V.

Frequency Stability With Temperature Variation:

The input voltage to the E.U.T. is set to S.T.V. and the temperature of the environmental chamber is varied in 10 degree steps from -30 degrees C to +50 degrees C. The E.U.T. is allowed to stabilize at each temperature and the frequency is measured in 30 second intervals for a period of 5 minutes.

Devices that operate within a network and use dynamic power and frequency adjustment, the device is placed in call mode using a test set during this testing.

For devices that use complex digital modulation and cannot produce an unmodulated rf signal, the device is placed into call mode with a test set and the frequency error and rho parameters are recorded at each temperature and voltage variation.

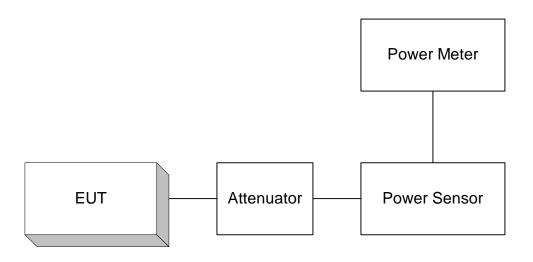
FCC PART 22, SUBPART H 800 MHz CELLULAR SUBSCRIBER UNITS REPORT NO.: 3L0477RUS1

**EQUIPMENT: GSM0108** 

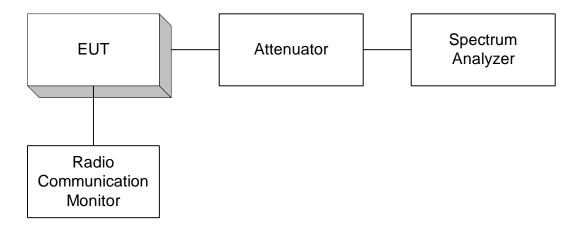
**ANNEX B - TEST DIAGRAMS** 

**EQUIPMENT: GSM0108** 

Para. No. 2.1046 - R.F. Power Output



Para. No. 2.1049 - Occupied Bandwidth

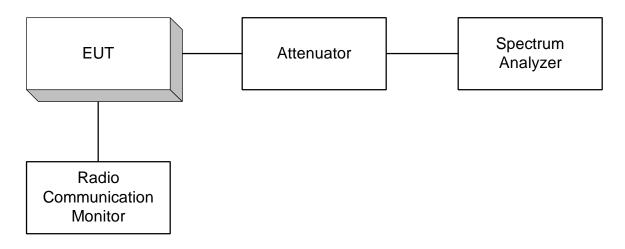


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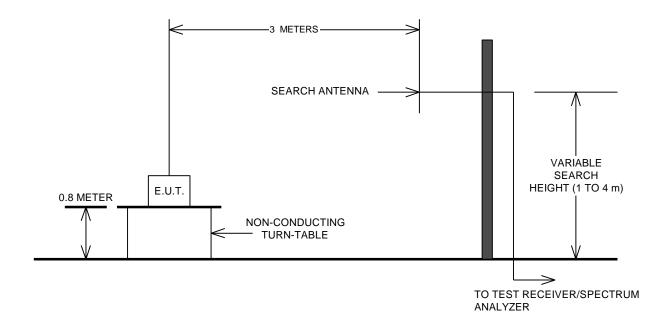
REPORT NO.:

**EQUIPMENT: GSM0108** 

Para. No. 2.1051 Spurious Emissions at Antenna Terminals



Para. No. 2.1053 - Field Strength of Spurious Radiation

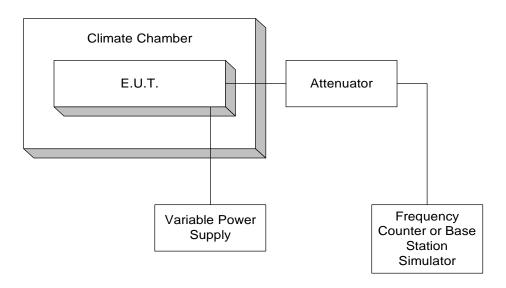


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REPORT NO.:

**EQUIPMENT: GSM0108** 

Para. No. 2.1055 - Frequency Stability



Para. No. 2.1045 – Audio Frequency Response, Audio Low Pass Filter Response And Modulation Limiting

