

## Radiated Spurious Emissions Compliance Test Report

<b>Test Report no.:</b>	Bej_TA_0834_03.doc	<b>Date of Report:</b>	01-Sep-2008
<b>Number of pages:</b>	6	<b>Customer's Contact person:</b>	Xu Shanshan
<b>Testing laboratory:</b>	TCC Nokia Beijing Laboratory Beijing Economic and Technological Development Area No.5 Donghuan Zhonglu Beijing PRC China 100176 Tel. +86 10 8711 8888 Fax. +86 10 8711 4550	<b>Customer:</b>	Nokia Corporation Beijing Economic and Technological Development Area No.5 Donghuan Zhonglu Beijing PRC China 100176 Tel. +86 10 8711 8888 Fax. +86 10 8711 4550
<b>Tested devices/ accessories:</b>	<b>Phone RM-439 / Battery BL-4S, AC-charger AC-3, Headset HS-105</b>		
<b>Supplement reports:</b>	-		
<b>Testing has been carried out in accordance with:</b>	<p><b>GSM: 3GPP TS 51.010-1, Mobile Station (MS) conformance specification; Part 1: Conformance Specification; Clause 12.2: Radiated spurious emissions.</b></p> <p><b>Detailed list of performed relevant test cases can be seen on page two.</b></p>		
<b>Documentation:</b>	<p>The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory. The documentation of the testing performed on the tested devices is archived for 15 years at TCC Nokia.</p>		
<b>Test Results:</b>	<p><b>The EUT complies with the requirements in respect of all parameters subject to the test.</b></p> <p>The test results relate only to devices specified in this document</p>		
<b>Date and signature for the contents:</b>			

**Jia Dongsheng, Manager**

## 1. Summary for Radiated Spurious Emissions Compliance Test Report

<b>Date of receipt</b>	15-Aug-2008
<b>Testing completed</b>	01-Sep-2008
<b>The customer's contact person</b>	Xu Shanshan
<b>Test Plan referred to</b>	T:\Projects\RM-439\TestPlan_RS\RS_Testplan_RM-439.xls
<b>Notes</b>	-
<b>Document name</b>	T:\Projects\RM-439\EMC\Results\TA\Bej_TA_0834_03.doc

### Devices under tests

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-439	001004/00/332595/9	0212	-	f107w41_08w31	51017
Battery	BL-4S	3820668132140100043;0670577	-	-	-	51003
AC-charger	AC-3E	3997915472051200083;0675370	-	-	-	50387
Headset	HS-105	1257	0.2	1.1	-	50986

Reference documents, which are delivered on the customer's request:

1. Test methods and levels are described in document *Radiated Spurious Emissions description.doc* version 18.0
2. Test equipments are described in document *Test Equipment.xls*
3. Measurement uncertainties are described in document *Uncertainties.xls*
4. Report templates version histories are described in document *Template History.doc*

The following tests have been carried out in accordance with the testplan, which can specify some test cases to be performed partly.

EUT with Accessories							
GSM				RESULT			
850		1900					
RX	TX	RX	TX				
X					PASSED		
	X				PASSED		
		X			PASSED		
				X	PASSED		

PASSED

The EUT complies with the essential requirements in the standard.

FAILED

The EUT does not comply with the essential requirements in the standard.

X

The test was selected to be done.

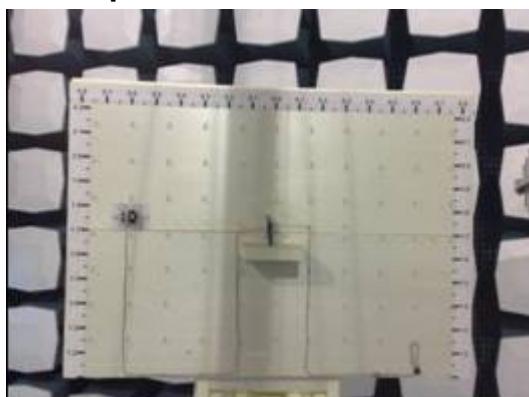
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## 2. EUT with Accessories

<b>EUT with DUT number</b>	RM-439 DUT51017
<b>Accessories with DUT numbers</b>	BL-4S DUT51003; AC-3E DUT50387; HS-105 DUT50986
<b>Result</b>	PASSED
<b>Remarks</b>	Phone tested with slide open as worst case.
<b>Temp [°C] / Humidity [%RH]</b>	18 / 76 ; 22 / 58
<b>Date of measurements</b>	20-Aug-2008; 01-Sep-2008
<b>Measured by</b>	Jia Dongsheng

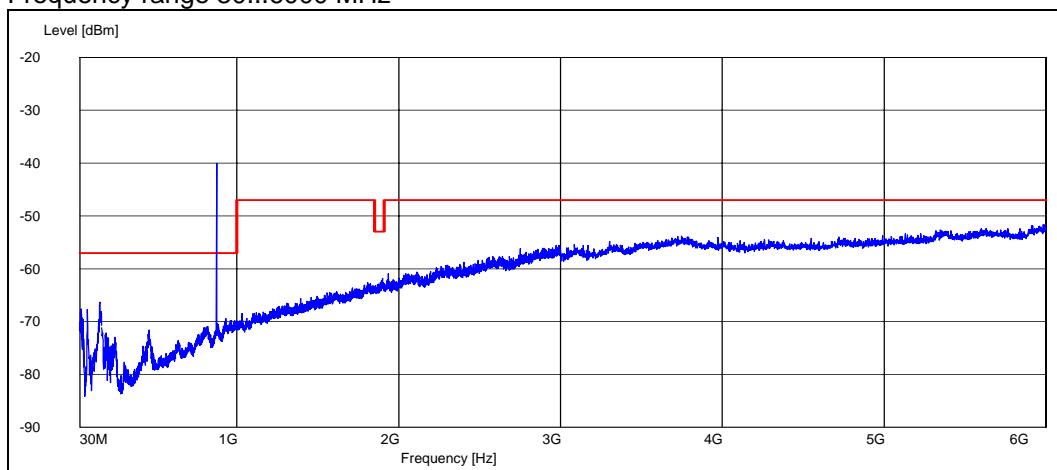
### 2.1. Test setup



### 2.2. GSM 850 Test results

#### 2.2.1 MS in idle mode

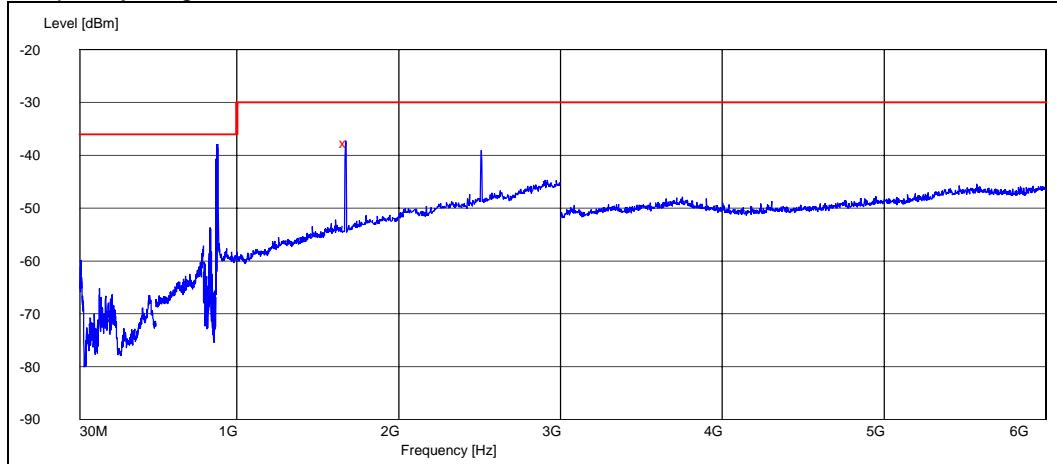
Frequency range 30...6000 MHz



\*876.0 MHz frequency is coming from communication tester and thus ignored.

## 2.2.2 MS allocated a channel

Frequency range 30...6000 MHz



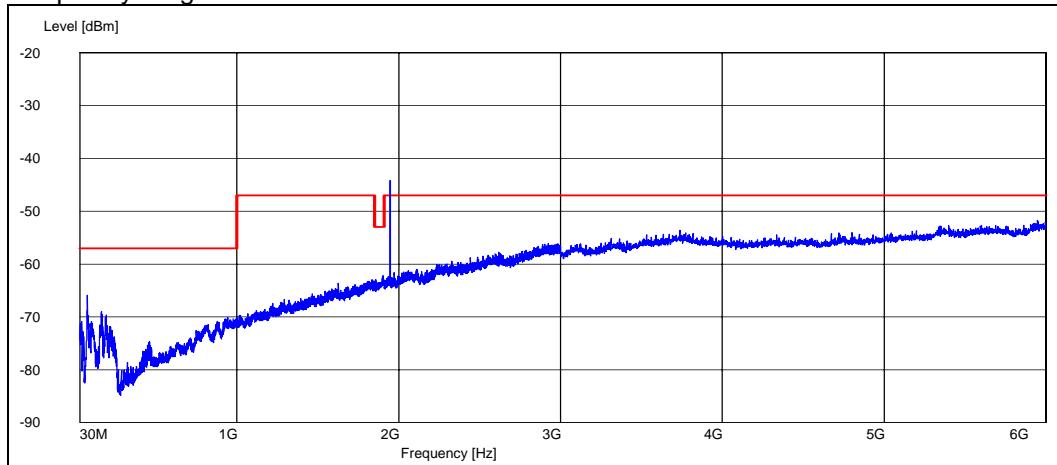
The highest values

Frequency [MHz]	Level [dBm]	Margin [dB]	Azimuth [deg]	Polarisation	Elevation [deg]	Result
1673.143287	-37.70	7.7	229.00	HORIZONTAL	90.00	PASSED

## 2.3. GSM 1900 Test results

### 2.3.1 MS in idle mode

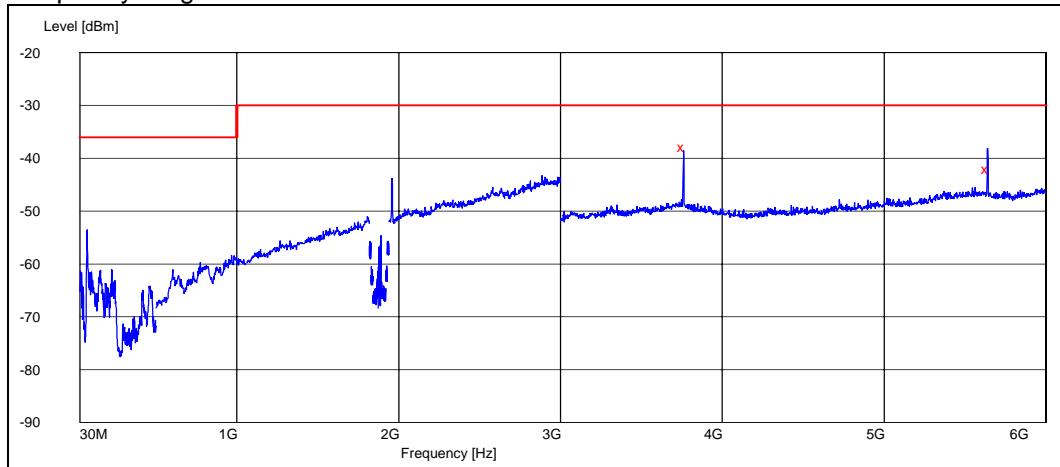
Frequency range 30...6000 MHz



\*1947.8 MHz frequency is coming from communication tester and thus ignored.

### 2.3.2 MS allocated a channel

Frequency range 30...6000 MHz



The highest values

Frequency [MHz]	Level [dBm]	Margin [dB]	Azimuth [deg]	Polarisation	Elevation [deg]	Result
3760.023046	-37.90	7.9	170.00	VERTICAL	90.00	PASSED
5639.782565	-42.10	12.1	235.00	VERTICAL	90.00	PASSED