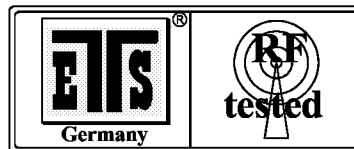


**ELECTRONIC TECHNOLOGY SYSTEMS  
DR. GENZ GMBH**

# **GSM PHASE II+ TEST - REPORT**

**3GPP TS 51.010-1  
GCF-CC**

**Test report no.: G0M20404-8644-T-51**



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## 1 General Information

### 1.1 Notes

The test results of this test report relate exclusively to the test item specified in 1.5. The Electronic Technology Systems Dr. Genz GmbH does not assume responsibility for any conclusions and generalisations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publications of extracts from the test report requires the prior written approval of the Electronic Technology Systems Dr. Genz GmbH.

- Only applicable to protocol testing services -

The purpose of conformity testing is to increase the probability of adherence to essential requirements or conformity specifications, as appropriate. The complexity of the technical specifications, however, means that the full and thorough testing is impracticable for both technical and economic reasons. Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification. Neither is there any guarantee that such a test sample will interwork with other genuinely open systems. The existence of the test nevertheless provides the confidence that the test sample possess the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

A declaration by the manufacturer has to be submitted for all non tested required parameters and technical procedures which certifies the conformation to the corresponding subclauses of the 3GPP TS 51.010-1 and GCF-CC.

#### Tester:

02.06.2004

B. Kramer



Date

Name

Signature

#### Technical responsibility for area of testing:

02.06.2004

Dr. D. Genz



Date

Name

Signature

## **1.2 Testing laboratory**

### **1.2.1 Location**

ELECTRONIC TECHNOLOGY SYSTEM DR. GENZ GMBH (ETS)

Storkower Straße 38c

D-15526 Reichenwalde b. Berlin

Germany

Telefon : +49 33631 888-00

Telefax : +49 33631 888-660

### **1.2.2 Details of accreditation status**

Accredited testing laboratory

DAR-registration number: TTI-P-G 126/96

Accredited Competent Body

DAR-registration number: BPT-ZE-026/96

FCC filed test laboratory Reg. No. 96970

Bluetooth Qualification Test Facility (BQTF)

Accredited by Bluetooth Qualification Review Board

Industry Canada filed test laboratory Reg. No. IC 3470

### **1.2.3 Test location, where different from ETS**

### 1.3 Details of approval holder

Name : WAVECOM  
Street : 3 esplanade du Foncet  
Town : 92442 Issy les moulineaux cedex  
Country : FRANCE  
Telephone : +1 46 29 08 00  
Fax : +1 46 29 08 08  
  
Contact : Mr. Francois Caseau  
Email : francois.caseau@wavecom.fr

### 1.4 Application details

Date of receipt of application : 26.04.2004  
Date of receipt of test item : 26.04.2004  
Date of test : 26.04.2004 - 12.05.2004  
Date of re-test : --

### 1.5 Test item

Description of test item : GSM/GPRS module  
  
Phase Identification : Phase II+  
  
Type identification : Wismo Quik Q2406B  
  
Serial number : without serial number  
  
Hardware Version : 413  
  
Software Version : X50  
  
GPRS class : 10  
  
SIM ATK : Supported

Manufacturer : (if applicable)

Name :  
Street :  
Town :  
Country :

Photos of the test item: see annex I

#### **1.6 Test standard**

- **EN 301 419-1, (GSM 13.01) April 2000** **version 4.1.1**
- **EN 301 420, (GSM 13.02) December 1999** **version 4.0.1**
- **EN 301 511, (GSM 13.11) December 2000** **version 7.0.1**
- **3GPP TS 51.010-1, (GSM 11.10) February 2004** **version 5.7.0**
- **GCF-CC, March 2004** **version 3.14.0**

#### **1.7 Additional information**

## 1.8 Abbreviations used for the test result list

passed	EUT passed this test case
failed	EUT failed this test case
inc.	EUT did not pass and did not fail this test case, therefore the verdict "INCONCLUSIVE"
n.a.	Test case not applicable for the EUT
A	Test fully available and fully validated, testing at an accredited test laboratory required
B	Testing at an accredited test laboratory with exceptions (related to GCF-CC)
D	Manufacturers declaration without evidence
N	Tests not applicable to a particular GSM frequency band

## 2 Technical Test

### 2.1 Summary of test results

No deviations from the requirements were ascertained in the course of the test performed.



The deviations from the requirements as shown in clause 3 were ascertained in the course of the test performed.



### 2.2 Test environment

Temperature : 18 ... 25 °C

Relative humidity content : 20 ... 75 %

Air pressure : 860 ... 1030 hPa

Details of power supply : 220 ... 240 V AC

Other parameter :

- Extreme test conditions : Operating voltage of the mobile

$V_{\text{nom}}$  = 3.70 V DC

$V_{\text{min}}$  = 3.40 V DC

$V_{\text{max}}$  = 4.50 V DC

- Extreme temperature : - 20 / 55 °C

### 2.3 Measurement and test set-up

GSM/ PCN/ PCS Test System TS8916B by Rohde&Schwarz

GSM/ PCN/ PCS/ 850 Test System TS8950G by Rohde&Schwarz

Test configuration and procedures in accordance to the 3GPP TS 51.010-1 (GSM 11.10).



## 2.4 Test equipment utilized

1.   Type:                   GSM/PCN/PCS/850 TS8950G  
      Software            System SW V2.24  
                          CRTU-G OP-SW 1V94  
      Hardware            1140.0009K02  
      Manufacturer:       Rohde&Schwarz  
      Applied standard:   Global Certification Forum reference document GCF-CC
  
2.   Type:                   GSM/PCN/PCS TS8916B  
      Software            CRTC System SW CR02PH2 Rev. 2.07  
                          TS8916B Operation SW Rev. 1.45  
      Hardware            V 1.130301-04 GDS  
      Manufacturer:       Rohde&Schwarz  
      Applied standard:   Global Certification Forum reference document GCF-CC
  
3.   Type:                   GSM/PCN/PCS Standalone Tester CRTC02  
      Software            D02PH2 Rev 1.45  
      Hardware            DU 848202/003 / AU 848228/003  
      Manufacturer:       Rohde&Schwarz  
      Applied standard:   Global Certification Forum reference document GCF-CC
  
4.   Type:                   GSM SIM Simulator  
      Software            V 2.05  
      Hardware            V 2.03 Rev. 01  
      Manufacturer:       Orga Kartensysteme  
      Applied standard:   Global Certification Forum reference document GCF-CC
  
5.   Audio Analyser UPL16 with Ear Type 1 / 3.2 (with leak)
  
6.   Anechoic chamber by the ETS Dr. Genz GmbH
  
7.   Vibration table by the ETS Dr. Genz GmbH
  
8.   Climatic chamber by the ETS Dr. Genz GmbH

### **3 Test Results**

#### **3.1 Test group overview**

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### 3.2 Tests under normal and extreme test conditions

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
11.1.1	Verification of support and non-support of services (MT).	B	A	900 or 1800	passed			
11.1.2	Verification of support and non-support of services (MO).	A	A	900 or 1800	passed			
11.2	Verification of support of the single numbering scheme	A	A	900 or 1800	passed			
11.3	Verification of non-support of services. (Advice of Charge Charging, AOCC)	A	A	900 or 1800	n.a.	n.a.		
11.4	Verification of non-support of services. (Call Hold)	A	A	900 or 1800	n.a.	n.a.		
11.5	Verification of non-support of services. (MultiParty)	A	A	900 or 1800	n.a.	n.a.		
12.1.1	Conducted spurious emissions - MS allocated a channel - NTC	A	A	All Bands	passed	passed		
	VL				passed	passed		
	VH				passed	passed		
12.1.2	Conducted spurious emissions - MS in idle mode - NTC	A	A	All Bands	passed	passed		
	VL				passed	passed		
	VH				passed	passed		
12.2.1	Radiated spurious emissions - MS allocated a channel - NTC	A	A	All Bands	passed	passed		
	VL				passed	passed		
	VH				passed	passed		
12.2.2	Radiated spurious emissions - MS in idle mode - NTC	A	A	All Bands	passed	passed		
	VL				passed	passed		
	VH				passed	passed		
13.1	Transmitter - Frequency error and phase error - NTC	A	A	All Bands	passed	passed		
	TH/VH				passed	passed		
	TH/VL				passed	passed		
	TL/VH				passed	passed		
	TL/VL				passed	passed		
	Vibration				passed	passed		
13.2	Transmitter - Frequency error under multi-path and interference conditions - NTC	A	A	All Bands	passed	passed		
	TH/VH				passed	passed		
	TH/VL				passed	passed		
	TL/VH				passed	passed		
	TL/VL				passed	passed		
13.3-1	Transmitter output power and burst timing - MS with permanent antenna - NTC	A	A	All Bands	passed	passed		
	TH/VH				passed	passed		
	TH/VL				passed	passed		
	TL/VH				passed	passed		
	TL/VL				passed	passed		
13.4	Transmitter - Output RF spectrum - NTC	A	A	All Bands	passed	passed		
	TH/VH				passed	passed		
	TH/VL				passed	passed		
	TL/VH				passed	passed		
	TL/VL				passed	passed		
13.16.1	Frequency error and phase error in GPRS multislot configuration	B	B	All Bands	declared	declared		
13.16.2.4.1	Transmitter output power in GPRS multislot configuration - MS with permanent antenna connector	B	B	All Bands	declared	declared		
13.16.3	Output RF spectrum in GPRS multislot configuration	B	B	All Bands	declared	declared		
14.1.1.1	Receiver / Bad Frame Indication - TCH/FS - Random RF input	A	A	All Bands	passed	passed		
14.1.1.2	Receiver / Bad Frame Indication - TCH/FS - Frequency hopping and downlink DTX	A	A	All Bands	passed	passed		

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
14.1.1.1	Receiver / Bad Frame Indication - TCH/HS – Random RF input	A	A	All Bands	passed	passed		
14.1.2.2	Receiver / Bad Frame Indication - TCH/HS - Frequency hopping and downlink DTX	A	A	All Bands	passed	passed		
14.2.1	Receiver / Reference sensitivity - TCH/FS - NTC	A	A	All Bands	passed	passed		
	TH/VH				passed	passed		
	TH/VL				passed	passed		
	TL/VH				passed	passed		
	TL/VL				passed	passed		
14.2.2	Receiver / Reference sensitivity - TCH/HS	A	A	All Bands	passed	passed		
14.2.3	Receiver / Reference sensitivity - FACCH/F	A	A	All Bands	passed	passed		
14.2.4	Receiver / Reference sensitivity - FACCH/H	A	A	All Bands	passed	passed		
14.3	Receiver / Usable receiver input level range – NTC	A	A	All Bands	passed	passed		
	TH/VH				passed	passed		
	TH/VL				passed	passed		
	TL/VH				passed	passed		
	TL/VL				passed	passed		
14.4.1	Co-channel rejection - TCH/FS	A	A	All Bands	passed	passed		
14.4.2	Co-channel rejection - TCH/HS	A	A	All Bands	passed	passed		
14.4.3	Co-channel rejection - TCH/HS (SID frames)	A	A	All Bands	passed	passed		
14.4.4	Co-channel rejection - FACCH/F	A	A	All Bands	passed	passed		
14.4.5	Co-channel rejection - FACCH/H	A	A	All Bands	passed	passed		
14.4.7	Receiver performance in the case of fre- quency hopping and cochannel interference on one carrier	A	A	All Bands	passed	passed		
14.5.1	Adjacent channel rejection - TCH/FS – NTC	A	A	All Bands	passed	passed		
	TH/VH				passed	passed		
	TH/VL				passed	passed		
	TL/VH				passed	passed		
	TL/VL				passed	passed		
14.5.2	Adjacent channel rejection - FACCH/F	A	A	All Bands	n.a.	n.a.		
14.6.1	Intermodulation rejection - TCH/FS – NTC	A	A	All Bands	passed	passed		
	TH/VH				passed	passed		
	TH/VL				passed	passed		
	TL/VH				passed	passed		
	TL/VL				passed	passed		
14.6.2	Intermodulation rejection - FACCH/F	A	A	All Bands	n.a.	n.a.		
14.7.1	Blocking and spurious response - TCH/FS	A	A	All Bands	passed	passed		
14.8.1	AM Suppression – Speech Channels	A	A	All Bands	passed	passed		
14.8.2	AM Suppression – Control Channels	A	A	All Bands	n.a.	n.a.		
14.16.1	Minimum Input level for Reference Per- formance	B	B	All Bands	declared	declared		
14.16.2.1	Co-channel rejection for packet channels	B	B	All Bands	declared	declared		
15	Timing advance and absolute delay	A	A	All Bands	passed	passed		
15.6	GPRS Timing advance and absolute delay	B	B	All Bands	n.a.	n.a.		
16	Reception time tracking speed	A	A	All Bands	passed	passed		
17.1	Access times during handover - Intra cell channel change	A	A	All Bands	passed	passed		
17.2	Access times during handover - Inter cell handover	A	A	All Bands	passed	passed		
18	Temporary reception gaps	A	A	All Bands	passed	passed		
19.1	Channel release after unrecoverable errors – 1	A	A	All Bands	passed	passed		
19.2	Channel release after unrecoverable errors – 2	A	A	All Bands	passed	passed		
19.3	Channel release after unrecoverable errors – 3	A	A	All Bands	passed	passed		
20.1	Cell Selection	A	A	All Bands	passed	passed		
20.2	Cell selection with varying signal strength values.	A	A	All Bands	passed	passed		
20.3	Basic Cell Reselection	A	A	All Bands	passed	passed		
20.4	Cell Reselection OFFSET/TIME parameters	A	A	All Bands	passed	passed		
20.5	Cell reselection – parameters in Sys Info Type 2bis, 7 and 8	A	A	All Bands	passed	passed		
20.6	Cell reselection timings	A	A	All Bands	passed	passed		

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
20.7	Priority of Cells	A	A	All Bands	passed	passed		
20.8	Cell Reselection when C1 (serving cell) < 0 for 5 secs	A	A	All Bands	passed	passed		
20.9	Running average of surrounding cell BCCH carrier signal levels	A	A	All Bands	passed	passed		
20.10	Running average of serving cell BCCH carrier signal level	A	A	All Bands	passed	passed		
20.11	Updating list of 6 strongest carriers and decoding BCCH info of new carrier.	A	A	All Bands	passed	passed		
20.12	Decoding BSIC of the list of six strongest neighbour carriers.	A	A	All Bands	passed	passed		
20.13	Decoding BSIC of the list of 6 strongest neighbours	A	A	All Bands	passed	passed		
20.14	Emergency calls	A	A	All Bands	passed	passed		
20.15	Cell Reselection due to MS rejections "LA not allowed".	A	A	All Bands	passed	passed		
20.16	Downlink signalling failure	A	A	All Bands	passed	passed		
20.17	Cell Selection if no suitable cell found in 10 secs	A	A	All Bands	passed	passed		
20.19	Cell Selection on release of SDCCH and TCH	A	A	All Bands	passed	passed		
20.20.1	Multiband Cell Selection and reselection / Cell Selection	N	N	Multiband 900/1800			passed	
20.20.2	Multiband Cell Selection and reselection / Cell Reselection	N	N	Multiband 900/1800			passed	
20.22.1	Cell selection	A	A	All Bands	passed	passed		
20.22.2	Cell reselection in Packet Idle mode	A	A	All Bands	passed	passed		
20.22.3	Priority of Cells	B	B	All Bands	passed	passed		
20.22.4	Cell re-selection with cells in different routing area	A	A	All Bands	passed	passed		
20.22.6	Cell reselection timings	A	A	All Bands	passed	passed		
20.22.7	Downlink signalling failure	A	A	All Bands	passed	passed		
20.22.8	Cell selection when the best cell does not support GPRS	A	A	All Bands	passed	passed		
20.22.13	Cell Reselection based on C32 quality	A	A	All Bands	passed	passed		
20.22.16	Cell Reselection / ready state / Reselection and Cell update procedure	A	A	All Bands	passed	passed		
20.22.17	C2 reselection in another RA – no cell reselection	A	A	All Bands	passed	passed		
20.22.18	C2 reselection in another RA – Routing Area Update	A	A	All Bands	passed	passed		
21.1	Received signal measurements - Signal strength (5 BCCH) - NTC	A	A	All Bands and Multiband 900/1800	passed	passed	passed	
	TH/VH				passed	passed	passed	
	TH/VL				passed	passed	passed	
	TL/VH				passed	passed	passed	
	TL/VL				passed	passed	passed	
21.2	Signal strength selectivity	A	A	All Bands	passed	passed		
21.3.1	Signal quality under static conditions - TCH/FS	A	A	All Bands	passed	passed		
21.3.2	Signal quality under static conditions - TCH/HS	A	A	All Bands	passed	passed		
21.4	Signal quality under TU50 propagation conditions	A	A	All Bands	passed	passed		
22	Transmit power control timing and confirmation	A	A	All Bands	passed	passed		
22.3	GPRS Uplink Power Control – Use of $\alpha$ and TCH parameters	B	B	All Bands	declared	declared		
22.4	GPRS Uplink Power Control – Independence of TS Power Control	A	A	All Bands	passed	passed		
25.2.1.1.1	Layer 2 Initialisation – Initialization when contention resolution required - Normal initialization	A	A	900 or 1800	passed	passed		
25.2.1.1.2.1	Initialization failure - Loss of UA frame	A	A	900 or 1800	passed	passed		
25.2.1.1.2.2	UA frame with different information field	A	A	900 or 1800	passed	passed		
25.2.1.1.2.3	Information frame and supervisory frames in response to an SABM frame	A	A	900 or 1800	passed	passed		
25.2.1.1.3	Initialization Denial	A	A	900 or 1800	passed	passed		
25.2.1.1.4	Total initialization failure	A	A	900 or 1800	passed	passed		

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
25.2.1.2.1	Initialization, contention resolution not required - Normal initialization without contention resolution	A	A	900 or 1800	passed	passed		
25.2.1.2.2	Initialization failure	A	A	900 or 1800	passed	passed		
25.2.1.2.3	Initialization Denial	A	A	900 or 1800	passed	passed		
25.2.1.2.4	Total initialization failure	A	A	900 or 1800	passed	passed		
25.2.2.1	Normal information transfer - Sequence counting and I frame acknowledgements	A	A	900 or 1800	passed	passed		
25.2.2.2	Receipt of an I frame in the timer recovery state	A	A	900 or 1800	passed	passed		
25.2.2.3	Segmentation and concatenation	A	A	900 or 1800	passed	passed		
25.2.3	Normal layer 2 disconnection	A	A	900 or 1800	passed	passed		
25.2.4.3	RR response frame loss (MS to SS)	A	A	900 or 1800	passed	passed		
25.2.5.1	Test of frame transmission with incorrect C/R values - I frame with C bit set to zero	A	A	900 or 1800	passed	passed		
25.2.5.2	SABM frame with C bit set to zero	A	A	900 or 1800	passed	passed		
25.2.6.1	Test of errors in the control field N(S) sequence error	A	A	900 or 1800	passed	passed		
25.2.6.2	N(R) sequence error	A	A	900 or 1800	passed	passed		
25.2.7	Test on receipt of invalid frames	A	A	900 or 1800	passed	passed		
26.2.1.1	Initial Layer 3 tests - Channel request / initial time	A	A	900 or 1800	passed			
26.2.1.2	Channel request / repetition time	A	A	900 or 1800	passed			
26.2.1.3	Channel request / random reference	A	A	900 or 1800	passed			
26.2.2.pr1	IMSI detach and IMSI attach pr1	A	A	900 or 1800	passed			
26.2.2.pr2	IMSI detach and IMSI attach pr2	A	A	900 or 1800	passed			
26.2.2.pr3	IMSI detach and IMSI attach pr3	A	A	900 or 1800	passed			
26.2.2.pr4	IMSI detach and IMSI attach pr4	A	A	900 or 1800	passed			
26.2.3	Sequenced MM / CC message transfer	A	A	900 or 1800	passed			
26.2.4.pr1	Establishment Cause /pr1 (TCH)	A	A	900 or 1800	passed			
26.2.4.pr2	/pr2 (/H)	A	A	900 or 1800	passed			
26.2.4.pr3	/pr3 (TCH/FS)	B	A	900 or 1800	passed			
26.2.4.pr4	/pr4 (data)	B	A	900 or 1800	passed			
26.2.4.pr5	/pr5	A	A	900 or 1800	passed			
26.2.4.pr6	/pr6	A	A	900 or 1800	passed			
26.2.4.pr7	/pr7 (non-call-SS)	A	A	900 or 1800	passed			
26.2.4.pr8	/pr8 (SMS/PP MO)	A	A	900 or 1800	passed			
26.5.1	Handling of unknown protocol discriminator.	A	A	900 or 1800	passed			
26.5.2.1.1	Handling of unknown TI and skip indicator / RR	A	A	900 or 1800	passed			
26.5.2.1.2	TI Skip indicator / RR / RR Connection established	A	A	900 or 1800	passed			
26.5.2.2	TI and skip indicator / MM	A	A	900 or 1800	passed			
26.5.2.3	TI and skip indicator / CC	A	A	900 or 1800	passed			
26.5.3.1	Undefined or unexpected Message type / undefined message type / CC	A	A	900 or 1800	passed			
26.5.3.2	Undefined or unexpected message type / undefined message type / MM	A	A	900 or 1800	passed			
26.5.3.3	Undefined or unexpected message type / undefined message type / RR	A	A	900 or 1800	passed			
26.5.3.4	Undefined or unexpected message type / unexpected message type / CC	A	A	900 or 1800	passed			
26.5.4.1	Unforeseen info elements in non-imperative message part / duplicated info elements.	A	A	900 or 1800	passed			
26.5.5.1.1.1	Non-semantic mandatory IE errors / RR / missing mandatory IE error / special case	A	A	900 or 1800	passed			
26.5.5.1.1.2	Non-semantic mandatory IE errors / RR / missing mandatory IE error / general case	A	A	900 or 1800	passed			
26.5.5.1.2	Non-semantic mandatory ie errors / RR / comprehension required	A	A	900 or 1800	passed			
26.5.5.2.1	Non-semantic mandatory IE errors / MM / syntactically incorrect mandatory IE	A	A	900 or 1800	passed			
26.5.5.2.3	Non-semantic mandatory IE errors / MM / syntactically incorrect mandatory IE	A	A	900 or 1800	passed			
26.5.5.3.1.1	Non-semantic mandatory IE errors / CC / missing mandatory IE / disconnect message	A	A	900 or 1800	passed			
26.5.5.3.2	Non-semantic mandatory IE errors / CC / comprehension required	A	A	900 or 1800	passed			
26.5.6.1.1	Unknown IE, comprehension not required / MM / IE unknown in the protocol	A	A	900 or 1800	passed			

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
26.5.6.1.2	Unknown IE, comprehension not required / MM / IE unknown in the message	A	A	900 or 1800	passed			
26.5.6.2.1	Unknown info elements in the non-imperative message part / CC / Call establishment	A	A	900 or 1800	passed			
26.5.6.2.4	Unknown info elements in the non-imperative message part / CC / release complete	A	A	900 or 1800	passed			
26.5.6.3	Unknown IE in the non-imperative message part, comprehension not required / RR	A	A	900 or 1800	passed			
26.5.7.1.1	Spare bits / RR / paging channel	A	A	All Bands	passed	passed		
26.5.7.1.3	Spare bits / RR / AGCH	A	A	All Bands	passed	passed		
26.5.7.1.4	Spare bits / RR / connected mode	A	A	All Bands	passed	passed		
26.5.7.2	Spare bits / MM	A	A	900 or 1800	passed			
26.5.7.3	Spare bits / CC	A	A	900 or 1800	passed			
26.6.1.1	Immediate Assignment / SDCCH or TCH assignment	A	A	All Bands	passed	passed		
26.6.1.2	Immediate Assignment / extended assignment	A	A	All Bands	passed	passed		
26.6.1.3	Immediate Assignment / assignment rejection	A	A	All Bands	passed	passed		
26.6.1.4	Immediate Assignment / ignore assignment	A	A	All Bands	passed	passed		
26.6.2.1.1	Paging / normal / type 1	A	A	All Bands	passed	passed		
26.6.2.1.2	Paging / normal / type 2	A	A	All Bands	passed	passed		
26.6.2.1.3	Paging / normal / type 3	A	A	All Bands	passed	passed		
26.6.2.2	Paging / extended	A	A	All Bands	passed	passed		
26.6.2.3.1	Paging / reorganisation / procedure 1	B	A	All Bands	passed	passed		
26.6.2.3.2	/ procedure 2	A	A	All Bands	passed	passed		
26.6.2.4	Paging / same as before	A	A	All Bands	passed	passed		
26.6.2.5	Multislot CCCH handling	A	A	All Bands	passed	passed		
26.6.3.1	Measurement / no neighbours (4 neighbour cells)	A	A	All Bands	passed	passed		
26.6.3.2	Measurement / all neighbours present (4 neighbour cells)	A	A	All Bands	passed	passed		
26.6.3.3	Measurement / barred cells and non-permitted NCCs (4 neighbour cells)	A	A	All Bands	passed	passed		
26.6.3.4	Measurement / DTX (4 neighbour cells)	A	A	All Bands	passed	passed		
26.6.3.6	Measurement / multiband environment	A	A	All Bands	passed	passed		
26.6.4.1	Dedicated assignment / Successful case	B	B	All Bands	passed	passed		
26.6.4.2.2	Dedicated assignment / failure / general case	B	A	All Bands	passed	passed		
26.6.5.1-1	Handover / successful / active call / non-synchronized / procedure 1	A	A	All Bands	passed	passed		
26.6.5.1-2	Handover / successful / active call / non-synchronized / procedure 2	A	A	All Bands	passed	passed		
26.6.5.1-3	Handover / successful / active call / non-synchronized / procedure 3	A	A	All Bands	passed	passed		
26.6.5.1-4	Handover / successful / active call / non-synchronized / procedure 4	A	A	All Bands	passed	passed		
26.6.5.1-5	Handover / successful / active call / non-synchronized / procedure 5	A	A	All Bands	passed	passed		
26.6.5.1-6	Handover / successful / active call / non-synchronized / procedure 6	A	A	All Bands	passed	passed		
26.6.5.1-7	Handover / successful / active call / non-synchronized / procedure 7	A	A	All Bands	passed	passed		
26.6.5.1-8	Handover / successful / active call / non-synchronized / procedure 8	A	A	All Bands	passed	passed		
26.6.5.2-1	Handover / successful / cell under establishment / non-synchronized / procedure 1	A	A	All Bands	passed	passed		
26.6.5.2-2	Handover / successful / cell under establishment / non-synchronized / procedure 2	A	A	All Bands	passed	passed		
26.6.5.2-3	Handover / successful / cell under establishment / non-synchronized / procedure 3	A	A	All Bands	passed	passed		
26.6.5.2-4	Handover / successful / cell under establishment / non-synchronized / procedure 4	A	A	All Bands	passed	passed		
26.6.5.2-5	Handover / successful / cell under establishment / non-synchronized / procedure 5	A	A	All Bands	passed	passed		
26.6.5.2-6	Handover / successful / cell under establishment / non-synchronized / procedure 6	A	A	All Bands	passed	passed		
26.6.5.2-7	Handover / successful / cell under establishment / non-synchronized / procedure 7	A	A	All Bands	passed	passed		

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
26.6.5.2-8	Handover / successful / cell under establishment / non-synchronized / procedure 8	A	A	All Bands	passed	passed		
26.6.5.2-9	Handover / successful / cell under establishment / non-synchronized / procedure 9	A	A	All Bands	passed	passed		
26.6.5.2-10	Handover / successful / cell under establishment / non-synchronized / procedure 10	A	A	All Bands	passed	passed		
26.6.5.3-1	Handover / successful / active call / finely synchronized / procedure 1	B	B	All Bands	passed	passed		
26.6.5.3-2	Handover / successful / active call / finely synchronized / procedure 2	B	B	All Bands	passed	passed		
26.6.5.4-1	Handover / successful / call under establishment / finely synchronized / procedure 1	B	B	All Bands	passed	passed		
26.6.5.4-2	Handover / successful / call under establishment / finely synchronized / procedure 2	B	B	All Bands	passed	passed		
26.6.5.4-3	Handover / successful / call under establishment / finely synchronized / procedure 3	B	B	All Bands	passed	passed		
26.6.5.4-4	Handover / successful / call under establishment / finely synchronized / procedure 4	B	B	All Bands	passed	passed		
26.6.5.5.1	Handover / successful / active call / pre-synchronised / TA IE not included	A	A	All Bands	passed	passed		
26.6.5.5.2	Handover / successful / call being estab. / pre-synchronised / TA IE is included / time diff requested	A	A	All Bands	passed	passed		
26.6.5.6	Handover / successful / active call / pseudo-synchronised.	A	A	All Bands	passed	passed		
26.6.5.7	Handover / successful / active call / non-synchronised / reporting of observed Time diff requested.	A	A	All Bands	passed	passed		
26.6.5.8	Handover / L3-failure	A	A	All Bands	passed	passed		
26.6.5.9	Handover / L1-failure	A	A	All Bands	passed	passed		
26.6.6.1	Frequency redefinition	A	A	All Bands	passed	passed		
26.6.7.1	Channel mode modify / full rate	A	A	All Bands	passed	passed		
26.6.7.2	Channel mode modify / half rate	A	A	All Bands	passed	passed		
26.6.8.4	Ciphering mode / Change of mode, algorithm and key	A	A	All Bands	passed	passed		
26.6.8.5	Ciphering mode / IMEI request	A	A	900 or 1800	passed			
26.6.12.1	Channel release / SDCCCH	A	A	All Bands	passed	passed		
26.6.12.2	Channel release / SDCCCH - no L2 ACK	A	A	All Bands	passed	passed		
26.6.12.3	Channel release / TCH-F	A	A	All Bands	passed	passed		
26.6.12.4	Channel release / TCH-F - no L2 ACK	A	A	All Bands	passed	passed		
26.6.13.3	Dedicated assignment with starting time & freq re-definition- failure	A	A	All Bands	passed	passed		
26.6.13.5	Handover with starting time - time not elapsed	A	A	All Bands	passed	passed		
26.6.13.6	Handover with starting time - time elapsed	A	A	All Bands	passed	passed		
26.6.13.8	Handover with starting time & freq re-definition- failure	A	A	All Bands	passed	passed		
26.6.13.9	Immediate assignment with starting time-time not elapsed	A	A	All Bands	passed	passed		
26.6.13.10	Immediate assignment with starting time-time elapsed	A	A	All Bands	passed	passed		
26.7.1	TMSI reallocation	A	A	900 or 1800	passed			
26.7.2.1	Authentication accepted	A	A	900 or 1800	passed			
26.7.2.2	Authentication rejected	A	A	900 or 1800	passed			
26.7.3.1 test 1	Identification / test 1	A	A	900 or 1800	passed			
26.7.3.1 test 2	Identification / test 2	A	A	900 or 1800	passed			
26.7.3.2	Test of short IMSI	A	A	900 or 1800	passed			
26.7.4.1	Location updating / accepted	A	A	All Bands	passed	passed		
26.7.4.2.1	Location updating / rejected / IMSI invalid	A	A	All Bands	passed	passed		
26.7.4.2.2.-1	Location updating / rejected / PLMN not allowed / test 1	A	A	All Bands	passed	passed		
26.7.4.2.2.-2	Location updating / rejected / PLMN not allowed / test 2	A	A	All Bands	passed	passed		
26.7.4.2.3	Location updating / rejected / location area not allowed	A	A	All Bands	passed	passed		
26.7.4.2.4.pr1	Location updating / rejected / roaming not allowed in this location area / pr 1	A	A	All Bands	passed	passed		
26.7.4.3.1	Location updating / abnormal cases / random access fails	A	A	900 or 1800	passed			
26.7.4.3.2	Location updating / abnormal cases / attempt counter smaller than 4, LAI different	A	A	900 or 1800	passed			



3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
26.7.4.3.3	Location updating / abnormal cases / attempt counter equal to 4	A	A	900 or 1800	passed			
26.7.4.3.4	Loc updtg / abnorm. Cases / attmpt count. less or equal to 4, stored LAI = to broadcast LAI	A	A	900 or 1800	passed			
26.7.4.5.1	Location updating / periodic spread	A	A	900 or 1800	passed			
26.7.4.5.2	Location updating / periodic normal / test 1	A	A	900 or 1800	passed			
26.7.4.6	Location updating / interworking of attach and periodic	A	A	All Bands	passed	passed		
26.7.5.3	MM connection / establishment without cipher	A	A	900 or 1800	passed			
26.7.5.5	MM connection / establishment rejected cause 4	A	A	900 or 1800	passed			
26.7.5.7.1	MM Connection / abortion by the network cause #6	A	A	900 or 1800	passed			
26.8.1.2.2.1	Outgoing call / U0.1 MM connection pending / CM service rejected	A	A	900 or 1800	passed			
26.8.1.2.2.2	Outgoing call / U0.1 MM connection pending / CM service accepted	A	A	900 or 1800	passed			
26.8.1.2.3.2	Outgoing call / U1 call initiated / rejecting with RELEASE COMPLETE	A	A	900 or 1800	passed			
26.8.1.2.3.5	Outgoing call / U1 call initiated / receiving ALERTING	A	A	900 or 1800	passed			
26.8.1.2.3.6	Outgoing call / U1 call initiated / entering state U10	A	A	900 or 1800	passed			
26.8.1.2.4.2	Outgoing call / U3 MS originating call proceeding / CONNECT received	A	A	900 or 1800	passed			
26.8.1.2.4.3	Outgoing call / U3 MS origintg. call proceeding / PROGRESS received without in band info.	A	A	900 or 1800	passed			
26.8.1.2.4.4	Outgoing call / U3 MS originating call proceeding / PROGRESS with in band information	A	A	900 or 1800	passed			
26.8.1.2.4.5	Outgoing call / U3 MS originating call proceeding / DISCONNECT with in band tones	A	A	900 or 1800	passed			
26.8.1.2.4.6	Outgoing call / U3 MS originating call proceeding / DISCONNECT without in band tones	A	A	900 or 1800	passed			
26.8.1.2.4.7	Outgoing call / U3 MS originating call proceeding / RELEASE received	A	A	900 or 1800	passed			
26.8.1.2.4.8	Outgoing call / U3 MS originating call proceeding / termination requested by the user	A	A	900 or 1800	passed			
26.8.1.2.4.13	Outgoing call / U3 MS originating call proceeding / Internal alerting indication	A	A	900 or 1800	passed			
26.8.1.2.5.2	Outgoing call / U4 call delivered / termination requested by the user	A	A	900 or 1800	passed			
26.8.1.2.5.3	Outgoing call / U4 call delivered / DISCONNECT with in band tones	A	A	900 or 1800	passed			
26.8.1.2.6.2	U10 call active / RELEASE received	A	A	900 or 1800	passed			
26.8.1.2.6.3	U10 call active / DISCONNECT with in band tones	A	A	900 or 1800	passed			
26.8.1.2.6.5	U10 call active / RELEASE COMPLETE received	A	A	900 or 1800	passed			
26.8.1.2.6.6	U10 Call Active/SETUP received	A	A	900 or 1800	passed			
26.8.1.2.7.1	U11 disconnect request / clear collision	A	A	900 or 1800	passed			
26.8.1.2.7.3	U11 disconnect request / timer T305 timeout	A	A	900 or 1800	passed			
26.8.1.2.8.1	U12 disconnect indication / call releasing requested by the user	A	A	900 or 1800	passed			
26.8.1.2.9.1	Outgoing call / U19 release request / timer T308 timeout	A	A	900 or 1800	passed			
26.8.1.2.9.2	Outgoing call / U19 release request / 2nd timer T308 timeout	A	A	900 or 1800	passed			
26.8.1.2.9.4	Outgoing call / U19 release request / RELEASE COMPLETE received	A	A	900 or 1800	passed			
26.8.1.3.1.1	Incoming call / U0 null state / SETUP received with a non supported bearer capability	A	A	900 or 1800	passed			
26.8.1.3.3.1	Incoming call / U9 mobile terminating call confirmed / alerting or immediate connecting	A	A	900 or 1800	passed			

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
26.8.1.3.3.3	Incoming call / U9 mobile terminating call confirmed / termination requested by the user	A	A	900 or 1800	n.a.	n.a.		
26.8.1.3.3.4	Incoming call / U9 mobile terminating call confirmed / DISCONNECT received	A	A	900 or 1800	passed			
26.8.1.3.4.2	Incoming call / U7 call received / termination requested by the user	A	A	900 or 1800	passed			
26.8.1.3.4.3	Incoming call / U7 call received / DISCONNECT received	A	A	900 or 1800	passed			
26.8.1.3.4.8	Incoming call / U7 call received / RELEASE COMPLETE received	A	A	900 or 1800	passed			
26.8.1.3.5.2	Incoming call / U8 connect request / timer T313 timeout	A	A	900 or 1800	passed			
26.8.1.3.5.3	Incoming call / U8 connect request / termination requested by the user	A	A	900 or 1800	passed			
26.8.1.3.5.4	Incoming call / U8 connect request / DISCONNECT received with in-band information	A	A	900 or 1800	passed			
26.8.1.3.5.5	Incoming call / U8 connect request / DISCONNECT received without in-band information	A	A	900 or 1800	passed			
26.8.1.4.2.1	In-call functions / User notification / MS terminated	A	A	900 or 1800	passed			
26.8.1.4.3.1	In-call functions / Channel changes / A successful channel change in active state	A	A	All Bands	passed	passed		
26.8.1.4.3.2	In-call functions / Channel changes / An unsuccessful channel change in active mode	A	A	All Bands	passed	passed		
26.8.1.4.5.1	In-call functions / MS originated in-call modification / A successful case of modifying	A	A	900 or 1800	passed			
26.8.2.1	Call Re-establishment / Call Present, re-establishment allowed.	A	A	All Bands	passed	passed		
26.8.2.2	Call Re-establishment / Call Present, re-establishment not allowed.	A	A	All Bands	passed	passed		
26.8.2.3	Call Re-establishment / Call under establishment, transmission stopped.	A	A	All Bands	passed	passed		
26.8.3	User to user signalling	A	A	900 or 1800	passed			
26.9.2	Structured procedures / MS originated call / early assignment	A	A	All Bands	passed	passed		
26.9.3	Structured procedures / MS originated call / late assignment	A	A	All Bands	passed	passed		
26.9.4	Structured procedures / MS terminated call / early assignment	A	A	All Bands	passed	passed		
26.9.5	Structured procedures / MS terminated call / late assignment	B	A	All Bands	passed	passed		
26.9.6.1.1	Structured procedures / emergency call / idle updated / preferred channel rate	B	A	All Bands	passed	passed		
26.9.6.1.2	Structured procedures / emergency call / idle updated, non-preferred channel rate	A	A	All Bands	n.a.	n.a.		
26.9.6.2.1	Structured procedures / emergency call / idle, no IMSI / accept case	A	A	All Bands	passed	passed		
26.9.6.2.2	Structured procedures / emergency call / idle, no IMSI / reject case	A	A	All Bands	passed	passed		
26.10.2.1	E-GSM signalling / RR / Measurement	A	N	900	passed			
26.10.2.2	E-GSM signalling / RR / Immediate assignment	A	N	900	passed			
26.10.2.3	E-GSM signalling / RR / Channel assignment procedure	A	N	900	passed			
26.10.2.4.1	E-GSM signalling / RR / Handover / Successful handover	A	N	900	passed			
26.10.2.4.2	E-GSM signalling / RR / Handover / Layer 1 failure	A	N	900	passed			
26.10.2.5	E-GSM signalling / RR / Handover / Frequency redefinition	A	N	900	passed			
26.10.3.1	E-GSM signalling / Structured procedure / Mobile originated call	A	N	900	passed			
26.11.2.1	Multiband Signalling / RR / immediate assignment procedure	N	N	Multiband 900/1800			passed	
26.11.2.2.1	Multiband Signalling / RR / Handover / successful / active call / non-synchronized	N	N	Multiband 900/1800			passed	
26.11.2.2.2	Multiband Signalling / RR / Handover / Layer 1 failure	N	N	Multiband 900/1800			passed	

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
26.11.2.3	Multiband Signalling / RR / Measurement reporting	N	N	Multiband 900/1800			passed	
26.11.3.1.1	Multiband Signalling / MM / location updating / accepted	N	N	Multiband 900/1800			passed	
26.11.3.1.2	Multiband Signalling / MM / location updating periodic	N	N	Multiband 900/1800			passed	
26.11.5.1	Multiband Signalling / Structured procedures / MS originated call / early assignment	N	N	Multiband 900/1800			passed	
26.12.1	EFR signalling / test of the channel mode modify procedure	B	B	900 or 1800	passed			
26.12.2.1	EFR signalling / Handover / active call / successful case	A	A	All Bands	passed	passed		
26.12.3	EFR Signalling / Structured procedures / MS originated call / late assignment	A	A	All Bands	passed	passed		
26.12.4	Structured procedures / MS terminated call / early assignment	A	A	All Bands	passed	passed		
26.12.5	Structured procedures / emergency call	A	A	900 or 1800	passed			
27.1.1	MS identification by short IMSI – Normal case	A	A	900 or 1800	passed			
27.3	MS Identification by long TMSI	A	A	900 or 1800	passed			
27.4	MS Identification by long IMSI, TMSI updating and cipher key sequence number assignment.	A	A	900 or 1800	passed			
27.5	Forbidden PLMN's, Location Updating and undefined cipher key.	A	A	900 or 1800	passed			
27.6	MS updating forbidden PLMN's.	A	A	900 or 1800	passed			
27.7	MS deleting forbidden PLMN's.	A	A	900 or 1800	passed			
27.10.a	MS Access Control management (procedure a)	A	A	900 or 1800	passed			
27.10.b	MS Access Control management (procedure b)	A	A	900 or 1800	passed			
27.10.c	MS Access Control management (procedure c)	A	A	900 or 1800	passed			
27.10.d	MS Access Control management (procedure d)	A	A	900 or 1800	passed			
27.10.e	MS Access Control management (procedure e)	A	A	900 or 1800	passed			
27.10.f	MS Access Control management (procedure f)	A	A	900 or 1800	passed			
27.10.g	MS Access Control management (procedure g)	A	A	900 or 1800	passed			
27.10.h	MS Access Control management (procedure h)	A	A	900 or 1800	passed			
27.11.1.1	Character Transmission - Bit / Char. duration during transmission to the SIM	A	A	900 or 1800	passed			
27.11.1.2	Bit / Character duration during the transmission from the SIM Simulator to the ME	A	A	900 or 1800	passed			
27.11.1.3	Inter-character delay	A	A	900 or 1800	passed			
27.11.1.4	Error handling during the transmission from the ME to the SIM Simulator	A	A	900 or 1800	passed			
27.11.1.5	Error handling during the transmission from the SIM Simulator to the ME	A	A	900 or 1800	passed			
27.11.2.2	Acceptance of SIMs with active low RST.	A	A	900 or 1800	passed			
27.11.2.3	Characters of the answer to Reset..	A	A	900 or 1800	passed			
27.11.2.4	PTS Procedure	A	A	900 or 1800	passed			
27.11.2.5	Reset repetition	A	A	900 or 1800	passed			
27.11.2.6	Speed enhancement	A	A	900 or 1800	passed			
27.11.3	Command Processing Procedure bytes ACK:	A	A	900 or 1800	passed			
27.12.1	Evaluation of Directory Characteristics Operating Speed in Authentication Procedure	A	A	900 or 1800	passed			
27.12.2	Clock Stop	A	A	900 or 1800	passed			
27.14.1	Entry of PIN	A	A	900 or 1800	passed			
27.14.2	Change of PIN	A	A	900 or 1800	passed			
27.14.3	Disabling the PIN	A	A	900 or 1800	passed			
27.14.4	PUK entry	A	A	900 or 1800	passed			
27.14.5	Entry of PIN2	A	A	900 or 1800	passed			
27.14.6	Change of PIN2	A	A	900 or 1800	passed			
27.14.7	PUK2 entry	A	A	900 or 1800	passed			
27.15	Abbreviated Dialling Numbers	A	A	900 or 1800	n.a.	n.a.		

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
27.16	MMI reaction to SIM status encoding	A	A	900 or 1800	n.a.	n.a.		
27.17.1.1	Electrical tests – phase preceding ME power on	A	A	900 or 1800	passed			
27.17.1.2	Phase during SIM power on	A	A	900 or 1800	passed			
27.17.1.3	Phase during ME power off with clock stop forbidden	A	A	900 or 1800	n.a.	n.a.		
27.17.1.4	Phase during ME power off with clock stop allowed	A	A	900 or 1800	passed			
27.17.1.5.1	SIM Type Recognition and Voltage Switching - Reaction of 3V only MEs / test 1	A	A	900 or 1800	passed			
27.17.1.5.2	SIM Type Recognition and Voltage Switching - Reaction of 3V only MEs / test 2	A	A	900 or 1800	passed			
27.17.1.5.3	SIM Type Recognition and Voltage Switching - Reaction of 3V technology MEs / test 1	A	A	900 or 1800	n.a.	n.a.		
27.17.1.5.4	SIM Type Recognition and Voltage Switching - Reaction of 3V technology MEs / test 2	A	A	900 or 1800	n.a.	n.a.		
27.17.1.5.7	Reaction of 1,8V technology Mes on type recognition of 3V technology SIMs	A	A	900 or 1800	n.a.	n.a.		
27.17.1.5.8	Reaction of 1,8V technology Mes on type recognition of 1,8V technology SIMs	A	A	900 or 1800	n.a.	n.a.		
27.17.2.1.1	Electrical tests on Contact C1 test 1	A	A	900 or 1800	passed			
27.17.2.1.2	Contact C1 test 2	A	A	900 or 1800	passed			
27.17.2.2	Contact C2	A	A	900 or 1800	passed			
27.17.2.3	Contact C3	A	A	900 or 1800	passed			
27.17.2.5	Contact C7	A	A	900 or 1800	passed			
27.18.1	ME and SIM with fixed number dialling activated	A	A	900 or 1800	passed			
27.18.2	ME and SIM with fixed number dialling deactivated	A	A	900 or 1800	passed			
27.19	Phase identification	A	A	900 or 1800	passed			
27.20	SIM presence detection	A	A	900 or 1800	passed			
27.21.1	AoC not supported by SIM	A	A	900 or 1800	passed			
27.21.3	Call terminated when ACM greater than ACMM	A	A	900 or 1800	passed			
27.21.4	Response codes of increase command	A	A	900 or 1800	passed			
27.22.1	Initialisation of SIM Application Toolkit Enabled SIM by SIM Application Toolkit Enabled ME (Profile Download)	A	A	900 or 1800	passed			
27.22.2	Contents of the TERMINAL PROFILE command	A	A	900 or 1800	passed			
27.22.3	Servicing of Proactive SIM Commands	A	A	900 or 1800	passed			
27.22.4.1	DISPLAY TEXT	A	A	900 or 1800	passed			
27.22.4.2	GET INKEY	A	A	900 or 1800	passed			
27.22.4.3	GET INPUT	A	A	900 or 1800	passed			
27.22.4.4	MORE TIME	A	A	900 or 1800	passed			
27.22.4.5	PLAY TONE	A	A	900 or 1800	passed			
27.22.4.6	POLL INTERVAL	A	A	900 or 1800	passed			
27.22.4.8	SET UP MENU	A	A	900 or 1800	passed			
27.22.4.9	SELECT ITEM	A	A	900 or 1800	passed			
27.22.4.10	SEND SHORT MESSAGE	A	A	900 or 1800	passed			
27.22.4.14	POLLING OFF	A	A	900 or 1800	passed			
27.22.4.15	PROVIDE LOCAL INFORMATION	A	A	900 or 1800	passed			
27.22.5.1	SMS-PP Data Download	A	A	900 or 1800	passed			
27.22.5.3	Menu Selection	A	A	900 or 1800	passed			
27.22.6.1	Procedure for mobile originated calls	A	A	900 or 1800	passed			
27.22.6.2	Procedure for Supplementary Services	A	A	900 or 1800	passed			
27.22.6.3	Interaction with Fixed Dialling Number	A	A	900 or 1800	passed			
27.22.6.4	Support of Barred Dialling number (BDN) service	A	A	900 or 1800	passed			
28.2	Constraining the access to a single number (GSM 02.07 category 3)	A	A	900 or 1800	n.a.	n.a.		
28.3	Constraining the access to a single number (GSM 02.07 categories 1 and 2)	A	A	900 or 1800	n.a.	n.a.		
28.4	Behaviour of the MS when its list of black-listed numbers is full	A	A	900 or 1800	n.a.	n.a.		
29.3.2.6.7	Checkpoint recovery - total loss of response to checkpointing	A	A	900 or 1800	passed			
29.3.2.6.9	Checkpoint recovery - N2 retransmission of a sequence	A	A	900 or 1800	passed			
29.3.3.2	Negotiation of the RLP parameters - negotiation initiated by the MS [FFS]	A	A	900 or 1800	passed			

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
29.3.3.3	Negotiation of the RLP parameters - collision of XID frames [FFS]	A	A	900 or 1800	passed			
29.3.3.5	Total Loss of XID frames	A	A	900 or 1800	passed			
30.1	Speech teleservices - Sending sensitivity / frequency response	A	A	900 or 1800	passed			
30.2	Sending loudness rating	A	A	900 or 1800	passed			
30.3	Receiving sensitivity / frequency response	A	A	900 or 1800	passed			
30.4	Receiving loudness rating	A	A	900 or 1800	passed			
30.5.1	Talker sidetone	A	A	900 or 1800	passed			
30.6.2	Stability margin	A	B	900 or 1800	passed			
30.7.1	Distortion - Sending	A	B	900 or 1800	passed			
31.1.1.1	Number identification supplementary services / CLIP / Normal operation	A	A	900 or 1800	passed			
31.1.1.2.1	Number identification supplementary services / CLIP / Interrogation / Interrogation accepted	A	A	900 or 1800	passed			
31.1.1.2.2	Number identification supplementary services / CLIP / Interrogation / Interrogation rejected	A	A	900 or 1800	passed			
31.1.2.1	CLIR / Normal operation - requesting presentation of CLI	A	A	900 or 1800	passed			
31.1.2.2	CLIR / Normal operation - requesting restriction of CLI presentation	A	A	900 or 1800	passed			
31.1.2.3.1	Interrogation / Interrogation accepted	A	A	900 or 1800	passed			
31.1.2.3.2	Interrogation / Interrogation rejected	A	A	900 or 1800	passed			
31.1.3.1	COLP / Normal operation	A	A	900 or 1800	passed			
31.1.3.2.1	Interrogation / Interrogation accepted	A	A	900 or 1800	passed			
31.1.3.2.2	Interrogation / Interrogation rejected	A	A	900 or 1800	passed			
31.1.4.1.1	COLR / Interrogation / Interrogation accepted	A	A	900 or 1800	passed			
31.1.4.1.2	COLR / Interrogation / Interrogation rejected	A	A	900 or 1800	passed			
31.1.4.2	COLR / Normal Operation	A	A	900 or 1800	passed			
31.2.1.1.1	Call forwarding supp services \ registration accepted	A	A	900 or 1800	passed			
31.2.1.1.2	Call forwarding supp services \ registration rejected	A	A	900 or 1800	passed			
31.2.1.2.1	Call forwarding supp services \ erasure accepted	A	A	900 or 1800	passed			
31.2.1.2.2	Call forwarding supp services \ erasure rejected	A	A	900 or 1800	passed			
31.2.1.3	Call forwarding supp services \ activation	A	A	900 or 1800	passed			
31.2.1.4	Call forwarding supp services \ deactivation	A	A	900 or 1800	passed			
31.2.1.6.1	Interrogation / Interrogation accepted	A	A	900 or 1800	passed			
31.2.1.6.2	Interrogation / Interrogation rejected	A	A	900 or 1800	passed			
31.2.1.7.1.1	Normal operation - Served mobile subscriber side / Notification of incoming call	A	A	900 or 1800	passed			
31.2.1.7.1.2	Normal operation / served mobile subscriber side / Notification during outgoing call	A	A	900 or 1800	passed			
31.2.1.7.2	Normal operation / Forwarded-to mobile subscriber side	A	A	900 or 1800	passed			
31.3.1.1	Call Waiting / Waiting call indication and confirmation	A	A	900 or 1800	passed			
31.3.1.2.1	Call Waiting / Normal operation with successful outcome / Waiting call accepted; existing call released	A	A	900 or 1800	passed			
31.3.1.2.2.1	Call Waiting / Normal operation with successful outcome / Waiting call accepted; existing call on hold, no additional calls	A	A	900 or 1800	passed			
31.3.1.2.3	Existing call released by user A; waiting call accepted	A	A	900 or 1800	passed			
31.3.1.3.1	Normal operation with unsuccessful outcome / Waiting call released by subscriber B	A	A	900 or 1800	passed			
31.3.1.3.2	Normal operation with unsuccessful outcome / Waiting call released by calling user C	A	A	900 or 1800	passed			
31.3.1.4	Activation	A	A	900 or 1800	passed			
31.3.1.5	Deactivation	A	A	900 or 1800	passed			
31.3.1.6.1	Interrogation / Interrogation accepted	A	A	900 or 1800	passed			
31.3.1.6.2	Interrogation / Interrogation rejected	A	A	900 or 1800	passed			
31.3.2.1	Call Hold / Hold invocation	A	A	900 or 1800	passed			

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
31.3.2.2	Call Hold / Retrieve procedure	A	A	900 or 1800	passed			
31.3.2.3	Call Hold / Alternate from one call to the other	A	A	900 or 1800	passed			
31.4.1.1	MultiParty, Beginning the MultiParty service, successful case	A	A	900 or 1800	passed			
31.4.1.2	MultiParty, Beginning the MultiParty service, unsuccessful case	A	A	900 or 1800	passed			
31.4.1.3	MultiParty, Beginning the MultiParty service, expiry of timer T(BuildMPPTY)	A	A	900 or 1800	passed			
31.4.2.1.1.1	MultiParty, Managing an active MultiParty call, Put the MultiParty call on hold, successful case	A	A	900 or 1800	passed			
31.4.2.1.1.2	MultiParty, Managing an active MultiParty call, Put the MultiParty call on hold, unsuccessful case	A	A	900 or 1800	passed			
31.4.2.1.1.3	MultiParty, Managing an active MultiParty call, Put the MultiParty call on hold, expiry of timer T(HoldMPPTY)	A	A	900 or 1800	passed			
31.4.2.1.2.1	MultiParty, Managing an active MultiParty call, Create a private communication with one of the remote parties, successful case	A	A	900 or 1800	passed			
31.4.2.1.2.2	MultiParty, Managing an active MultiParty call, Create a private communication with one of the remote parties, unsuccessful case	A	A	900 or 1800	passed			
31.4.2.1.2.3	MultiParty, Managing an active MultiParty call, Create a private communication with one of the remote parties, expiry of timer T(SplitMPPTY)	A	A	900 or 1800	passed			
31.4.2.1.3	MultiParty, Managing an active MultiParty call, Terminate the entire MultiParty call	A	A	900 or 1800	passed			
31.4.2.1.4	MultiParty, Managing an active MultiParty call, Explicitly disconnect a remote party	A	A	900 or 1800	passed			
31.4.2.2.1	MultiParty, Remote parties, Release from the MultiParty call	A	A	900 or 1800	passed			
31.4.3.1.1	MultiParty, Managing a held MultiParty call, Retrieve the held MultiParty call, successful case	A	A	900 or 1800	passed			
31.4.3.1.2	MultiParty, Managing a held MultiParty call, Retrieve the held MultiParty call, unsuccessful case	A	A	900 or 1800	passed			
31.4.3.1.3	MultiParty, Managing a held MultiParty call, Retrieve the held MultiParty call, expiry of timer T(RetrieveMPPTY)	A	A	900 or 1800	passed			
31.4.3.2	MultiParty, Initiate a new call	A	A	900 or 1800	passed			
31.4.3.3	MultiParty, Process a call waiting request	A	A	900 or 1800	passed			
31.4.3.4	MultiParty, Terminate the held MultiParty call	A	A	900 or 1800	passed			
31.4.4.1.1.1	MultiParty, Managing a single call and a MultiParty call, Disconnect the single call, single call active	A	A	900 or 1800	passed			
31.4.4.1.1.2	MultiParty, Managing a single call and a MultiParty call, Disconnect the single call, single call held	A	A	900 or 1800	passed			
31.4.4.1.2.3	MultiParty, Managing a single call and a MultiParty call, Disconnect the MPPTY, clear all parties, MultiParty call held	A	A	900 or 1800	passed			
31.4.4.1.2.4	MultiParty, Managing a single call and a MultiParty call, Disconnect the MPPTY, clear all parties, MultiParty call active	A	A	900 or 1800	passed			
31.4.4.2	MultiParty, Managing a single call and a MultiParty call, Disconnect all calls	A	A	900 or 1800	passed			
31.4.4.3.1	MultiParty, Managing a single call and a MultiParty call, Add the single call to the MPPTY, successful case	A	A	900 or 1800	passed			
31.4.4.3.2	MultiParty, Managing a single call and a MultiParty call, Add the single call to the MPPTY, maximum number of participants exceeded	A	A	900 or 1800	passed			
31.4.4.4	MultiParty, Managing a single call and a MultiParty call, Alternate between the MPPTY call and the single call	A	A	900 or 1800	passed			
31.4.5	MultiParty, Managing a single call and a MultiParty call, Adding extra remote parties	A	A	900 or 1800	passed			

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
31.6.1.1	AOC time related charging / MS originated call	A	A	900 or 1800	passed			
31.6.1.2	AOC time related charging / MS terminated call	A	A	900 or 1800	passed			
31.6.1.5	Change in charging information during a call	A	A	900 or 1800	passed			
31.6.1.6	Different formats of charging information	A	A	900 or 1800	passed			
31.6.1.7	AOC on a Call Hold call	A	A	900 or 1800	passed			
31.6.1.8	AOC on a MultiParty call	A	A	900 or 1800	passed			
31.6.2.1	Charge Storage – Removal of SIM during an active call	A	A	900 or 1800	passed			
31.6.2.2	Interruption of power supply during an active call	A	A	900 or 1800	passed			
31.6.2.3	MS going out of coverage during an active AOCC Call.	A	A	900 or 1800	passed			
31.6.2.4	ACMM operation / Mobile Originating	A	A	900 or 1800	passed			
31.6.2.5	ACMM operation / Mobile Terminating	A	A	900 or 1800	passed			
31.6.3.1	AOC time related charging / MS originated call	A	A	900 or 1800	passed			
31.6.3.2	AOC time related charging / MS terminated call	A	A	900 or 1800	passed			
31.6.3.5	Change in charging information during a call	A	A	900 or 1800	passed			
31.6.3.6	Different formats of charging information	A	A	900 or 1800	passed			
31.6.3.7	AOC on a Call Hold call	A	A	900 or 1800	passed			
31.6.3.8	AOC on a MultiParty call	A	A	900 or 1800	passed			
31.8.1.1	Call restriction supplementary services / Registration accepted	A	A	900 or 1800	passed			
31.8.1.2.1	Call restriction supplementary services / Registration, Rejection after invoke of the Register Password operation	A	A	900 or 1800	passed			
31.8.1.2.2	Call restriction supplementary services / Registration, Rejection after Password check with negativ result	A	A	900 or 1800	passed			
31.8.1.2.3	Call restriction supplementary services / Registration, Rejection after new Password mismatch	A	A	900 or 1800	passed			
31.8.3.1	Call restriction supplementary services/ Activation /Activation accepted	A	A	900 or 1800	passed			
31.8.3.2.1	Call restriction supplementary services, Rejection after invoke of Activate SS operation	A	A	900 or 1800	passed			
31.8.4.1	Deactivation accepted	A	A	900 or 1800	passed			
31.8.4.2.1	Call restriction supplementary services, Rejection after invoke of deactivate SS operation	A	A	900 or 1800	passed			
31.8.4.2.2	Call restriction supplementary services, Rejection after use of Password procedure	A	A	900 or 1800	passed			
31.8.6.1	Call restriction supplementary services, Interrogation accepted	A	A	900 or 1800	passed			
31.8.6.2	Call restriction supplementary services, Interrogation rejected	A	A	900 or 1800	passed			
31.8.7	Call restriction supplementary services, Normal operation	A	A	900 or 1800	passed			
31.9.1.1	Mobile station initiated Unstructured supplementary service data operation / ProcessUnstructuredSS-request/accepted	A	A	900 or 1800	passed			
31.9.1.2	Mobile station initiated Unstructured supplementary service data operation / ProcessUnstructuredSS-request/cross phase compatibility and error handling	A	A	900 or 1800	passed			
31.9.2.1	Network initiated unstructured supplementary service operations / UnstructuredSS-Notify/accepted	A	A	900 or 1800	passed			
31.9.2.2	Network initiated unstructured supplementary service operations / UnstructuredSS-Notify/rejected on user busy	A	A	900 or 1800	passed			
31.9.2.3	Network initiated unstructured supplementary service operations / UnstructuredSS-Request/accepted	A	A	900 or 1800	passed			
31.10	MMI Input for USSD	A	A	900 or 1800	passed			
31.13.1.1	Explicit Call Transfer invocation, successful case, both calls active, clearing using DISCONNECT	A	A	900 or 1800	passed			

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
31.13.1.2	Explicit Call Transfer invocation, successful case, both calls active, clearing using RELEASE	A	A	900 or 1800	passed			
31.13.1.3	Explicit Call Transfer invocation, successful case, both calls active, clearing using RELEASE COMPLETE	A	A	900 or 1800	passed			
31.13.1.4	Explicit Call Transfer invocation, successful case, second call alerting	A	A	900 or 1800	passed			
31.13.1.5	Explicit Call Transfer invocation, unsuccessful case	A	A	900 or 1800	passed			
31.13.1.6	Explicit Call Transfer invocation, expiry of T(ECT)	A	A	900 or 1800	passed			
32.11	Intra cell channel change TCH/HS to TCH/FS	A	A	All Bands	passed	passed		
32.12	Intra cell channel change TCH/FS to TCH/HS	A	A	All Bands	passed	passed		
33.6	Subscription identity management	A	A	900 or 1800	passed			
34.2.1 / test 1	Short message service / SMS point to point - SMS mobile terminated - procedure a) to e)	A	A	900 or 1800	passed			
34.2.1 / test 2	Short message service / SMS point to point - SMS mobile terminated - procedure f) to l)	A	A	900 or 1800	passed			
34.2.2 / test 1	Short message service / SMS point to point - SMS mobile originated - procedure a) to f)	A	A	900 or 1800	passed			
34.2.2 / test 2	Short message service / SMS point to point - SMS mobile originated - procedure g) to i)	A	A	900 or 1800	passed			
34.2.2 / test 3	Short message service / SMS point to point - SMS mobile originated - procedure j)	A	A	900 or 1800	passed			
34.2.2 / test 4	Short message service / SMS point to point - SMS mobile originated - procedure k)	A	A	900 or 1800	passed			
34.2.3	Test of the memory available notification:	A	A	900 or 1800	passed			
34.2.5.1	Short message class 0	A	A	900 or 1800	n.a.	n.a.		
34.2.5.2	Test of Class 1 Short Messages	A	A	900 or 1800	passed			
34.2.5.3	Test of Class 2 Short Messages	A	A	900 or 1800	passed			
34.2.7	Test of the replace mechanism for SM type 1-7	A	A	900 or 1800	n.a.	n.a.		
34.2.8	Test of the reply path scheme	A	A	900 or 1800	n.a.	n.a.		
34.2.9.1	Multiple SMS mobile originated, MS in idle mode	A	A	900 or 1800	n.a.	n.a.		
34.2.9.2	Multiple SMS mobile originated, MS in active mode	A	A	900 or 1800	n.a.	n.a.		
34.3	Short message service cell broadcast	A	A	All Bands	passed	passed		
41.1.1.1	RR / Paging / on PCCCH for GPRS services / normal paging with P-TMSI successful	A	A	900 or 1800	passed			
41.1.1.2	RR / Paging / on PCCCH for GPRS services / normal paging with IMSI successful	A	A	900 or 1800	passed			
41.1.1.3	RR / Paging / on PCCCH for GPRS services / extended paging with P-TMSI successful	A	A	900 or 1800	passed			
41.1.2	RR / Paging / on PCCCH for circuit-switched services / paging successful	A	A	900 or 1800	passed			
41.1.3	RR / Paging / on PCCCH / paging ignored	A	A	900 or 1800	passed			
41.1.4.1	RR / Paging / on PCCCH for circuit switched services / paging successful	A	A	900 or 1800	passed			
41.1.4.2	RR / Paging / on PCCCH for circuit switched services / paging ignored	A	A	900 or 1800	passed			
41.1.5.1.1	RR / Paging / on CCCH for GPRS service / normal paging with P-TMSI successful	A	A	900 or 1800	passed			
41.1.5.1.2	RR / Paging / on CCCH for GPRS service / normal paging with IMSI successful	A	A	900 or 1800	passed			
41.1.5.1.3	RR / Paging / on CCCH for GPRS service / normal paging with P-TMSI ignored	A	A	900 or 1800	passed			
41.1.5.2.1	RR / Paging / on CCCH for GPRS service / extended paging with P-TMSI successful	A	A	900 or 1800	passed			
41.1.6	RR / Paging / Before T3172 expiry	A	A	900 or 1800	passed			
41.2.1.1	Permission to access the network / priority classes	A	A	900 or 1800	passed			
41.2.2.1	Initiation of the packet access procedure / establishment causes	A	A	900 or 1800	passed			
41.2.2.2	Random references for single block packet access	A	A	900 or 1800	passed			
41.2.2.3	Random references for one phase packet access	A	A	900 or 1800	passed			



3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
41.2.2.4	Initiation of the packet access procedure / timer T3146	A	A	900 or 1800	passed			
41.2.2.5	Initiation of the packet access procedure / Request Reference	A	A	900 or 1800	passed			
41.2.3.1	Packet immediate assignment / One phase packet access / Two-message assignment / Successful case	A	A	900 or 1800	passed			
41.2.3.2	Two-message assignment / Failure cases	A	A	900 or 1800	passed			
41.2.3.3	Packet immediate assignment / One phase packet access / Packet uplink assignment / Polling bit set	A	A	900 or 1800	passed			
41.2.3.4	Packet immediate assignment / One phase packet access / One phase packet access / Contention resolution / Successful case	A	A	900 or 1800	passed			
41.2.3.5	One phase packet access / Contention resolution / TLLI mismatch	A	A	900 or 1800	passed			
41.2.3.6	One phase packet access / Contention resolution / Counter N3104	A	A	900 or 1800	passed			
41.2.3.7	One phase packet access / Contention resolution / Timer T3166	A	A	900 or 1800	passed			
41.2.3.8	One phase packet access / Contention resolution / 4access repetition attempts	A	A	900 or 1800	passed			
41.2.3.9	One phase packet access / TBF starting time	A	A	900 or 1800	passed			
41.2.3.10	One phase packet access / Timing Advance Index present	A	A	900 or 1800	passed			
41.2.3.11	One phase packet access / Timing Advance Index not present	A	A	900 or 1800	passed			
41.2.4.1	Packet immediate assignment / Single block packet access / Packet Resource Request	A	A	900 or 1800	passed			
41.2.4.2	Packet immediate assignment / Single block packet access / Packet Measurement Report	A	A	900 or 1800	passed			
41.2.5.1	Packet access rejection / wait indication	A	A	900 or 1800	passed			
41.2.5.2	Packet access rejection / assignment before T3142 expires	A	A	900 or 1800	passed			
41.2.6.1	Packet downlink assignment procedure using CCCH / Initiation of packet downlink assignment procedure / MS listens to correct CCCH block	A	A	900 or 1800	passed			
41.2.6.2	Initiation of packet downlink assignment procedure / timer T3190	A	A	900 or 1800	passed			
41.2.6.3	Initiation of packet downlink assignment procedure / TBF starting time	A	A	900 or 1800	passed			
41.2.6.4	Initiation of packet downlink assignment procedure / incorrect TFI	A	A	900 or 1800	passed			
41.3.1.1	TBF Release / Uplink / Normal / MS initiated / Acknowledged mode	A	A	900 or 1800	passed			
41.3.1.2	TBF Release / Uplink / Normal / MS initiated / Unacknowledged mode	A	A	900 or 1800	passed			
41.3.1.3	TBF Release / Uplink / Normal / MS initiated / Channel coding change during countdown	A	A	900 or 1800	passed			
41.3.2.1	TBF Release / Uplink / Normal / Network initiated / Acknowledged mode	A	A	900 or 1800	passed			
41.3.2.2	TBF Release / Uplink / Normal / Network initiated / Unacknowledged mode	A	A	900 or 1800	passed			
41.3.3	TBF Release / Uplink / Normal / Network initiated / Abnormal release	A	A	900 or 1800	passed			
41.3.4.1	TBF Release / Downlink / Normal / Network initiated / Acknowledged mode (most important)	A	A	900 or 1800	passed			
41.3.4.2	TBF Release / Downlink / Normal / Network initiated / Unacknowledged mode	A	A	900 or 1800	passed			
41.3.5.2	PDCH Release / With TIMESLOTS AVAILABLE	B	B	900 or 1800	declared			
42.1.1.1	Packet Channel Request / Message format	A	A	900 or 1800	passed			
42.1.1.2	Packet Channel Request / Response to Packet Paging	A	A	900 or 1800	passed			
42.1.1.3	Packet Channel Request / Access type	A	A	900 or 1800	passed			
42.1.1.4.1	Packet Channel Request / Access persistence control on PRACH / M+1 attempts	A	A	900 or 1800	passed			
42.1.1.4.2	Packet Channel Request / Access persistence control on PRACH / persistence level	A	A	900 or 1800	passed			

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
42.1.1.4.3	Packet Channel Request / Access persistence control on PRACH / Successive Attempts	A	A	900 or 1800	passed			
42.1.2.1.1.1	Packet Uplink Assignment / Packet queuing notification / Stop sending packet channel requests	A	A	900 or 1800	passed			
42.1.2.1.1.2	Packet Uplink Assignment / Packet queuing notification / Ignoring packet queuing notification	A	A	900 or 1800	passed			
42.1.2.1.1.3	Packet Uplink Assignment / Packet queuing notification / Assigned PDCCHs	A	A	900 or 1800	passed			
42.1.2.1.1.4	Packet Uplink Assignment / Packet queuing notification / Expiry of timer T3162	A	A	900 or 1800	passed			
42.1.2.1.2	Packet Uplink Assignment / Response to packet polling request	A	A	900 or 1800	passed			
42.1.2.1.3.1	Packet Uplink Assignment / Packet access reject / Action during wait indication	A	A	900 or 1800	passed			
42.1.2.1.3.2	Packet Uplink Assignment / Packet access reject / No respond	A	A	900 or 1800	passed			
42.1.2.1.3.3	Packet Uplink Assignment / Packet access reject / PRACH Control Parameter decoding	A	A	900 or 1800	passed			
42.1.2.1.4	Packet Uplink Assignment / Packet uplink assignment handling	A	A	900 or 1800	passed			
42.1.2.1.5	Packet Uplink Assignment / One or two phase access	A	A	900 or 1800	passed			
42.1.2.1.6	Packet Uplink Assignment / Decoding of frequency parameters	A	A	900 or 1800	passed			
42.1.2.1.7	Packet Uplink Assignment / Most recently received Packet Uplink Assignment	A	A	900 or 1800	passed			
42.1.2.1.8.1.1	Packet Uplink Assignment / One phase access / Contention resolution / Inclusion of TLLI in RLC data blocks	A	A	900 or 1800	passed			
42.1.2.1.8.1.2	Packet Uplink Assignment / One phase access / Contention resolution / Counter N3104	A	A	900 or 1800	passed			
42.1.2.1.8.1.3	Packet Uplink Assignment / One phase access / Contention resolution / Timer T3166	A	A	900 or 1800	passed			
42.1.2.1.8.1.4	Packet Uplink Assignment / One phase access / Contention resolution / TLLI mismatch	A	A	900 or 1800	passed			
42.1.2.1.8.1.5	Packet Uplink Assignment / One phase access / Contention resolution / 4 access repetition attempts	A	A	900 or 1800	passed			
42.1.2.1.8.2.1	Packet Uplink Assignment / One phase access / Timing Advance / TA Index present	A	A	900 or 1800	passed			
42.1.2.1.8.2.2	Packet Uplink Assignment / One phase access / Timing Advance / TA Index not present	A	A	900 or 1800	passed			
42.1.2.1.9.1	Packet Uplink Assignment / Two phase access / Packet Resource Request / RLC Octet Count	A	A	900 or 1800	passed			
42.1.2.1.9.2.1	Packet Uplink Assignment / Two phase access / Contention resolution / Expiry of timer T3168	A	A	900 or 1800	passed			
42.1.2.1.9.2.2	Packet Uplink Assignment / Two phase access / Contention resolution / TLLI mismatch	A	A	900 or 1800	passed			
42.1.2.1.9.3	Packet Uplink Assignment / Two phase access / Packet Resource Request / respond to Packet Downlink Assignment	A	A	900 or 1800	passed			
42.1.2.1.10.1	Packet Uplink Assignment / Abnormal cases / Incorrect PDCCH assignment	A	A	900 or 1800	passed			
42.1.2.1.10.2	Packet Uplink Assignment / Abnormal cases / expiry of timer T3164	A	A	900 or 1800	passed			
42.1.2.1.11	Non DRX Mode on PCCCH	A	A	900 or 1800	passed			
42.1.2.1.12	Variable PBCCH and PSI Scheduling	A	A	900 or 1800	passed			
42.1.2.2.1	Packet Downlink Assignment / Response to poll bit	A	A	900 or 1800	passed			
42.1.2.2.2	Packet Downlink Assignment / PCCCH monitoring	A	A	900 or 1800	passed			

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
42.1.2.2.3	Packet Downlink Assignment / Frequency hopping	A	A	900 or 1800	passed			
42.1.2.2.4	Packet Downlink Assignment / Response to Packet Polling	A	A	900 or 1800	passed			
42.1.2.2.5.1	Packet Downlink Assignment / Abnormal cases / Incorrect PDCH assignment	A	A	900 or 1800	passed			
42.1.2.2.5.2	Packet Downlink Assignment / Abnormal cases / Expiry of timer T3190	A	A	900 or 1800	passed			
42.3.1.1.1	Dynamic Allocation / Uplink Transfer / Normal operation / Successful	A	A	900 or 1800	passed			
42.3.1.1.2	Dynamic Allocation / Uplink Transfer / Normal operation / Request new resources	B	B	900 or 1800	declared			
42.3.1.1.3	Dynamic Allocation / Uplink Transfer / Normal operation / Starting frame number encoding	A	A	900 or 1800	passed			
42.3.1.1.5	Dynamic Allocation / Uplink Transfer / Normal operation / Close-ended TBF	A	A	900 or 1800	passed			
42.3.1.1.6	Dynamic Allocation / Uplink Transfer / Normal operation / T3180 expiry	A	A	900 or 1800	passed			
42.3.1.1.7	Dynamic Allocation / Uplink Transfer / Normal / PACCH operation	A	A	900 or 1800	passed			
42.3.1.1.8	Dynamic Allocation / Uplink Transfer / Normal operation / Two uplink timeslots	A	A	900 or 1800	passed			
42.3.1.2.2	Dynamic Allocation / Uplink Transfer / Abnormal / with cell reselection in acknowledged mode	A	A	900 or 1800	passed			
42.3.2.1.1	Dynamic Allocation / Uplink Transfer with Downlink TBF establishment / Normal / Successful	A	A	900 or 1800	passed			
42.3.2.1.2	Dynamic Allocation / Uplink Transfer with Downlink TBF establishment / Normal / Multislot capabilities	B	B	900 or 1800	passed			
42.3.2.2.1	Dynamic Allocation / Uplink Transfer with Downlink TBF establishment / Abnormal / with random access	A	A	900 or 1800	passed			
42.3.2.2.2	Dynamic Allocation / Uplink Transfer with Downlink TBF establishment / Abnormal / Continuation of normal operation	A	A	900 or 1800	passed			
42.4.1.1	Measurement reports / Network Control measurement reporting / Uplink / Normal case	A	A	900 or 1800	passed			
42.4.1.3	Measurement reports / Network Control measurement reporting / Downlink / Normal case	A	A	900 or 1800	passed			
42.4.2.1.1	Cell change order procedure / Uplink transfer / Normal case	A	A	900 or 1800	passed			
42.4.2.1.4	Cell change order procedure / Uplink transfer / Failure cases / Contention resolution failure	A	A	900 or 1800	passed			
42.4.2.1.6	Cell change order procedure / Uplink transfer / Failure cases / Frequency not implemented	A	A	900 or 1800	passed			
42.4.2.2.1	Cell change order procedure / Downlink transfer / Normal case	A	A	900 or 1800	passed			
42.4.2.2.2	Cell change order procedure / Downlink transfer / Failure cases / REJECT from the new cell	A	A	900 or 1800	passed			
42.4.2.2.3	Cell change order procedure / Downlink transfer / Failure cases / Frequency not implemented	A	A	900 or 1800	passed			
42.4.2.3.1	Cell change order procedure / Simultaneous uplink and downlink transfer / Normal case	B	B	900 or 1800	declared			
42.4.4.2	Cell Change Order Procedures without PBCCCH/Network Controlled Cell Reselection/validity of reselection parameters/MS enters standby state	A	A	900 or 1800	passed			
42.5.1.1	Downlink Transfer/ Normal Operation / Relative Encoding TBF starting time	A	A	900 or 1800	passed			
42.5.1.2	Downlink Transfer/ Normal Operation / Without TBF starting time	A	A	900 or 1800	passed			
42.5.2.1	Downlink Transfer/ Polling/ Normal operation/RLC data block	A	A	900 or 1800	passed			

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
42.5.2.2	Downlink Transfer/ Polling/ Packet Polling Request/ Access Burst format	A	A	900 or 1800	passed			
42.5.2.3	Downlink Transfer/ Polling/ Packet Polling Request/ Control block format	A	A	900 or 1800	passed			
42.5.3.1	Downlink Transfer/ T3190 Expiry / Initial allocation / Restart with valid RLC data block	A	A	900 or 1800	passed			
42.5.4.1	Downlink Transfer/ T3190 Expiry / Resource reallocation / Without TBF starting time	A	A	900 or 1800	passed			
42.5.4.2	Downlink Transfer/ T3190 Expiry / Resource reallocation / With TBF starting time	A	A	900 or 1800	passed			
42.5.4.3	Downlink Transfer/ T3190 Expiry / Resource reallocation / Restart with valid RLC data block	A	A	900 or 1800	passed			
42.5.5.1	Downlink Transfer / Reestablishment / T3192 Expiry	A	A	900 or 1800	passed			
42.5.5.2	Downlink Transfer/ Reestablishment/ Packet Downlink Assignment	A	A	900 or 1800	passed			
42.5.5.3	Downlink Transfer/ Reestablishment/ Invalid Frequency Parameters IE	A	A	900 or 1800	passed			
43.1.1.1	Acknowledged mode / Uplink TBF / Send state variable V(S)	A	A	900 or 1800	passed			
43.1.1.2	Acknowledged mode / Uplink TBF / Transmit window size	A	A	900 or 1800	passed			
43.1.1.3	Acknowledged mode / Uplink TBF / Acknowledge state variable V(A)	A	A	900 or 1800	passed			
43.1.1.4	Acknowledged mode / Uplink TBF / Negatively acknowledged RLC data blocks	A	A	900 or 1800	passed			
43.1.1.5	Acknowledged mode / Uplink TBF / Invalid Negative Acknowledgement	A	A	900 or 1800	passed			
43.1.1.6	Acknowledged mode / Uplink TBF / Decoding of Received Block Bitmap	A	A	900 or 1800	passed			
43.1.2.1	Acknowledged mode / Downlink TBF / Receive state variable V(R)	A	A	900 or 1800	passed			
43.1.2.2	Acknowledged mode / Downlink TBF / Receive window state variable V(Q)	A	A	900 or 1800	passed			
43.1.2.3	Acknowledged mode / Downlink TBF / Reassembly of RLC data blocks	A	A	900 or 1800	passed			
43.1.2.4	Acknowledged mode / Downlink TBF / Reassembly / Length Indicator	A	A	900 or 1800	passed			
43.2.1	Control Blocks Re-assembly	A	A	900 or 1800	passed			
44.2.1.1.1	GPRS attach procedure/ Normal GPRS attach / GPRS attach / accepted	A	A	900 or 1800	passed			
44.2.1.1.2	GPRS attach / rejected / IMSI invalid / illegal MS	A	A	900 or 1800	passed			
44.2.1.1.3	GPRS attach / rejected / IMSI invalid / GPRS services not allowed	A	A	900 or 1800	passed			
44.2.1.1.4.3.1	GPRS attach procedure/ Normal GPRS attach / GPRS attach / rejected / PLMN not allowed / Test procedure 1	A	A	900 or 1800	passed			
44.2.1.1.4.3.2	GPRS attach procedure/ Normal GPRS attach / GPRS attach / rejected / PLMN not allowed / Test procedure 2	A	A	900 or 1800	passed			
44.2.1.1.5.3.1	GPRS attach procedure/ Normal GPRS attach / GPRS attach / rejected / roaming not allowed in this location area / procedure 1	A	A	900 or 1800	passed			
44.2.1.1.5.3.2	GPRS attach procedure/ Normal GPRS attach / GPRS attach / rejected / roaming not allowed in this location area / procedure 2	A	A	900 or 1800	passed			
44.2.1.1.5.3.3	GPRS attach procedure/ Normal GPRS attach / GPRS attach / rejected / roaming not allowed in this location area / procedure 3	A	A	900 or 1800	passed			
44.2.1.1.5.3.4	GPRS attach procedure/ Normal GPRS attach / GPRS attach / rejected / roaming not allowed in this location area / procedure 4	A	A	900 or 1800	passed			
44.2.1.1.6.3.1	GPRS attach / abnormal cases / access barred due to access class control / Test procedure 1	A	A	900 or 1800	passed			
44.2.1.1.6.3.2	GPRS attach / abnormal cases / access barred due to access class control / Test procedure 2	A	A	900 or 1800	passed			

3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
44.2.1.1.7	GPRS attach / abnormal cases / change of cell into new routing area	A	A	900 or 1800	passed			
44.2.1.1.8	GPRS attach / abnormal cases / power off	A	A	900 or 1800	passed			
44.2.1.1.9	GPRS attach / abnormal cases / GPRS detach procedure collision	A	A	900 or 1800	passed			
44.2.1.2.1	GPRS attach procedure/ Combined GPRS attach / GPRS and non-GPRS attach accepted	A	A	900 or 1800	passed			
44.2.1.2.2.3.1	Combined GPRS attach / GPRS only attach accepted / Test procedure 1	A	A	900 or 1800	passed			
44.2.1.2.2.3.2	Combined GPRS attach / GPRS only attach accepted / Test procedure 2	A	A	900 or 1800	passed			
44.2.1.2.3	Combined GPRS attach / GPRS attach while IMSI attach	A	A	900 or 1800	passed			
44.2.1.2.4	Combined GPRS attach / rejected / IMSI invalid / illegal ME	A	A	900 or 1800	passed			
44.2.1.2.5	Combined GPRS attach / rejected / GPRS services and non-GPRS services not allowed	A	A	900 or 1800	passed			
44.2.1.2.6	Combined GPRS attach / rejected / GPRS services not allowed	A	A	900 or 1800	passed			
44.2.1.2.7	GPRS attach procedure/ Combined GPRS attach / rejected / location area not allowed	A	A	900 or 1800	passed			
44.2.1.2.8	Combined GPRS attach / abnormal cases / attempt counter check / miscellaneous reject causes	A	A	900 or 1800	passed			
44.2.1.2.9	Combined GPRS attach / abnormal cases / GPRS detach procedure collision	A	A	900 or 1800	passed			
44.2.2.1.1	GPRS detach procedure / MS initiated GPRS detach procedure / Normal GPRS detach procedure / power off / accepted	A	A	900 or 1800	passed			
44.2.2.1.2	GPRS detach / accepted	A	A	900 or 1800	passed			
44.2.2.1.3	GPRS detach / abnormal cases / attempt counter check / procedure timeout	A	A	900 or 1800	passed			
44.2.2.1.4	GPRS detach / abnormal cases / GMM common procedure collision	A	A	900 or 1800	passed			
44.2.2.1.5	GPRS detach procedure / Combined GPRS detach / power off / accepted	A	A	900 or 1800	passed			
44.2.2.1.6	GPRS detach / accepted / GPRS/IMSI detach	A	A	900 or 1800	passed			
44.2.2.1.7	GPRS detach / accepted / IMSI detach	A	A	900 or 1800	passed			
44.2.2.1.8	GPRS detach / abnormal cases / change of cell into new routing area	A	A	900 or 1800	passed			
44.2.2.1.9	GPRS detach / abnormal cases / GPRS detach procedure collision	A	A	900 or 1800	passed			
44.2.2.2.1	GPRS detach / re-attach not required / accepted	A	A	900 or 1800	passed			
44.2.2.2.2	GPRS detach / rejected / IMSI invalid / GPRS services not allowed	A	A	900 or 1800	passed			
44.2.2.2.3	GPRS detach / IMSI detach / accepted	A	A	900 or 1800	passed			
44.2.2.2.4	GPRS detach / re-attach requested / accepted	A	A	900 or 1800	passed			
44.2.2.2.5	GPRS detach / rejected / location area not allowed	A	A	900 or 1800	passed			
44.2.3.1.1	Routing area updating procedure / Normal routing area updating / Routing area updating / accepted	A	A	900 or 1800	passed			
44.2.3.1.2	Routing area updating / rejected / IMSI invalid / illegal ME	A	A	900 or 1800	passed			
44.2.3.1.3	Routing area updating / rejected / MS identity cannot be derived by the network	A	A	900 or 1800	passed			
44.2.3.1.4	Routing area updating / rejected / location area not allowed	A	A	900 or 1800	passed			
44.2.3.1.5	Routing area updating / abnormal cases / attempt counter check / miscellaneous reject causes	A	A	900 or 1800	passed			
44.2.3.1.6	Routing area updating / abnormal cases / change of cell into new routing area	A	A	900 or 1800	passed			
44.2.3.1.8	Routing area updating / abnormal cases / P-TMSI reallocation procedure collision	A	A	900 or 1800	passed			
44.2.3.2.1	Routing area updating procedure / Combined routing area updating / combined RA/LA accepted / test 1	A	A	900 or 1800	passed			

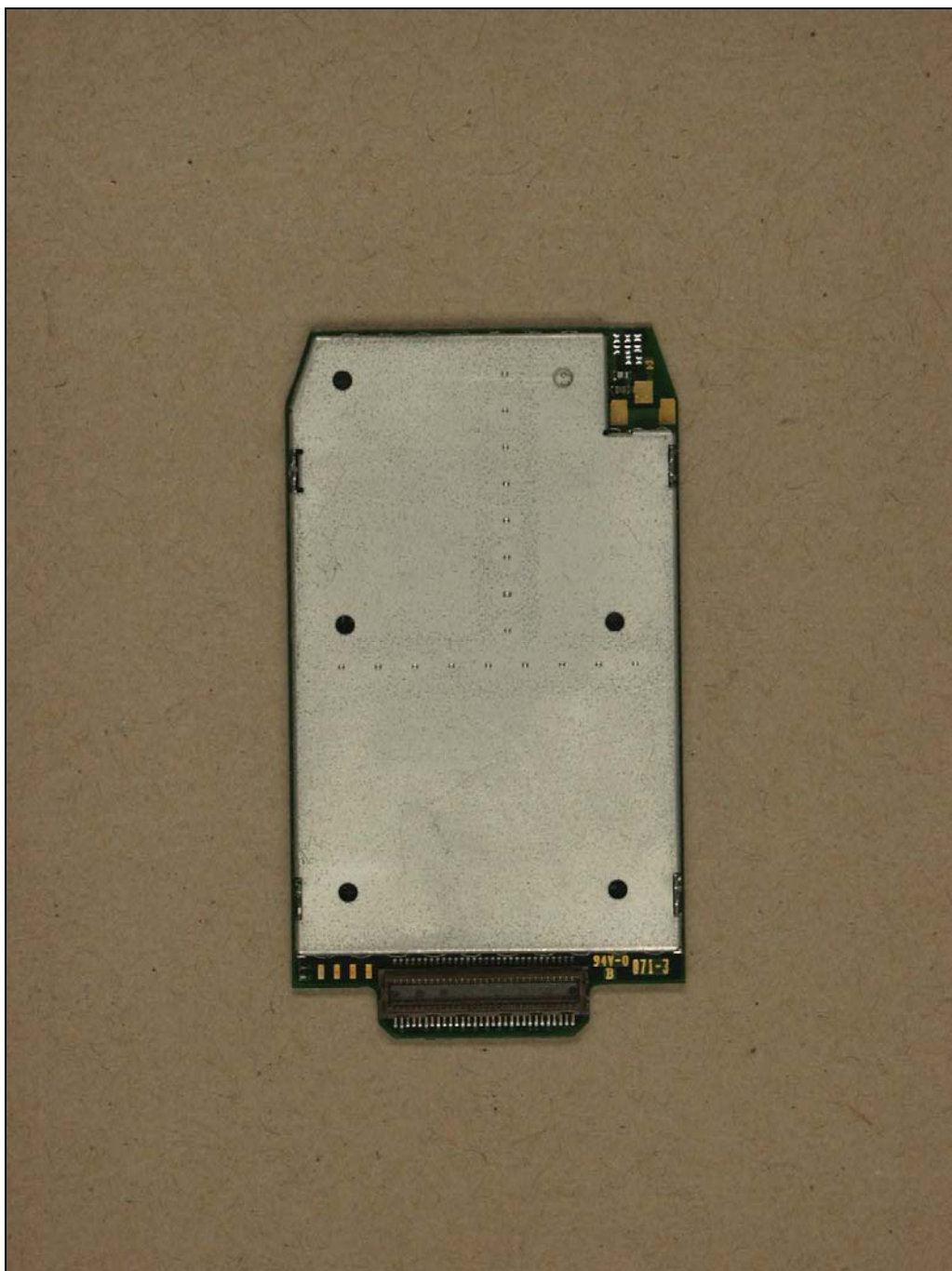
3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
44.2.3.2.2	Combined routing area updating / MS in CS operation at change of RA	B	B	900 or 1800	passed			
44.2.3.2.3.3.1	Combined routing area updating / RA only accepted / Test procedure 1	A	A	900 or 1800	passed			
44.2.3.2.3.3.2	Combined routing area updating / RA only accepted / Test procedure 2	A	A	900 or 1800	passed			
44.2.3.2.4	Routing area updating procedure / Combined routing area updating / Combined routing area updating / rejected / PLMN not allowed	A	A	900 or 1800	passed			
44.2.3.2.5.3.1	Routing area updating procedure/ Combined routing area updating / rejected / roaming not allowed in this location area/proc 1	A	A	900 or 1800	passed			
44.2.3.2.5.3.2	Combined routing area updating / rejected / roaming not allowed in this location area – procedure 2	A	A	900 or 1800	passed			
44.2.3.2.6.3.1	Combined routing area updating / abnormal cases / access barred due to access class control / Test procedure 1	A	A	900 or 1800	passed			
44.2.3.2.6.3.2	Combined routing area updating / abnormal cases / access barred due to access class control / Test procedure 2	A	A	900 or 1800	passed			
44.2.3.2.7	Combined routing area updating / abnormal cases / attempt counter check / procedure timeout	A	A	900 or 1800	passed			
44.2.3.2.8	Combined routing area updating / abnormal cases / change of cell into new routing area	A	A	900 or 1800	passed			
44.2.3.2.9	Combined routing area updating / abnormal cases / change of cell during routing area updating procedure	A	A	900 or 1800	passed			
44.2.3.2.10.3.1	Combined routing area updating / abnormal cases / GPRS detach procedure collision / procedure 1	A	A	900 or 1800	passed			
44.2.3.2.10.3.2	Combined routing area updating / abnormal cases / GPRS detach procedure collision / procedure 2	A	A	900 or 1800	passed			
44.2.3.3.1	Routing area updating procedure/ Periodic routing area updating/ accepted	A	A	900 or 1800	passed			
44.2.3.3.2	Periodic routing area updating / accepted / T3312 default value	A	A	900 or 1800	passed			
44.2.3.3.3	Periodic routing area updating / no cell available / network mode 1	A	A	900 or 1800	passed			
44.2.3.3.4	Combined periodic routing area updating / no cell available	A	A	900 or 1800	passed			
44.2.4	P-TMSI reallocation	A	A	900 or 1800	passed			
44.2.5.1.1	GPRS authentication and ciphering / Test of authentication / Authentication accepted	A	A	900 or 1800	passed			
44.2.5.1.2	Authentication rejected	A	A	900 or 1800	passed			
44.2.5.2.1	GPRS authentication and ciphering / Test of ciphering mode setting / Ciphering mode / start ciphering	A	A	900 or 1800	passed			
44.2.5.2.2	Ciphering mode / stop ciphering	A	A	900 or 1800	passed			
44.2.5.2.3	Ciphering mode / IMESV request	A	A	900 or 1800	passed			
44.2.6.1	General Identification	A	A	900 or 1800	passed			
44.2.7.3.1	GMM READY / STANDBY timer handling / Test procedure 1 (cell update)	A	A	900 or 1800	passed			
44.2.7.3.2	GMM READY / STANDBY timer handling / Test procedure 2	A	A	900 or 1800	passed			
44.2.7.3.3	GMM READY / STANDBY timer handling / Test procedure 3 (force to standby)	A	A	900 or 1800	passed			
44.2.7.3.4	GMM READY / STANDBY timer handling / Test procedure 4	A	A	900 or 1800	passed			
45.2.1.1	PDP context activation/PDP context activation initiated by the mobile station/ Attach initiated by context activation/ QoS Offered by Network is the QoS Requested	A	A	900 or 1800	passed			
45.2.1.2.1	PDP context activation / PDP context activation initiated by the mobile station / QoS Offered by Network is a lower QoS / QoS Accepted by MS	A	A	900 or 1800	passed			
45.2.1.2.2	QoS Rejected by MS	A	A	900 or 1800	passed			

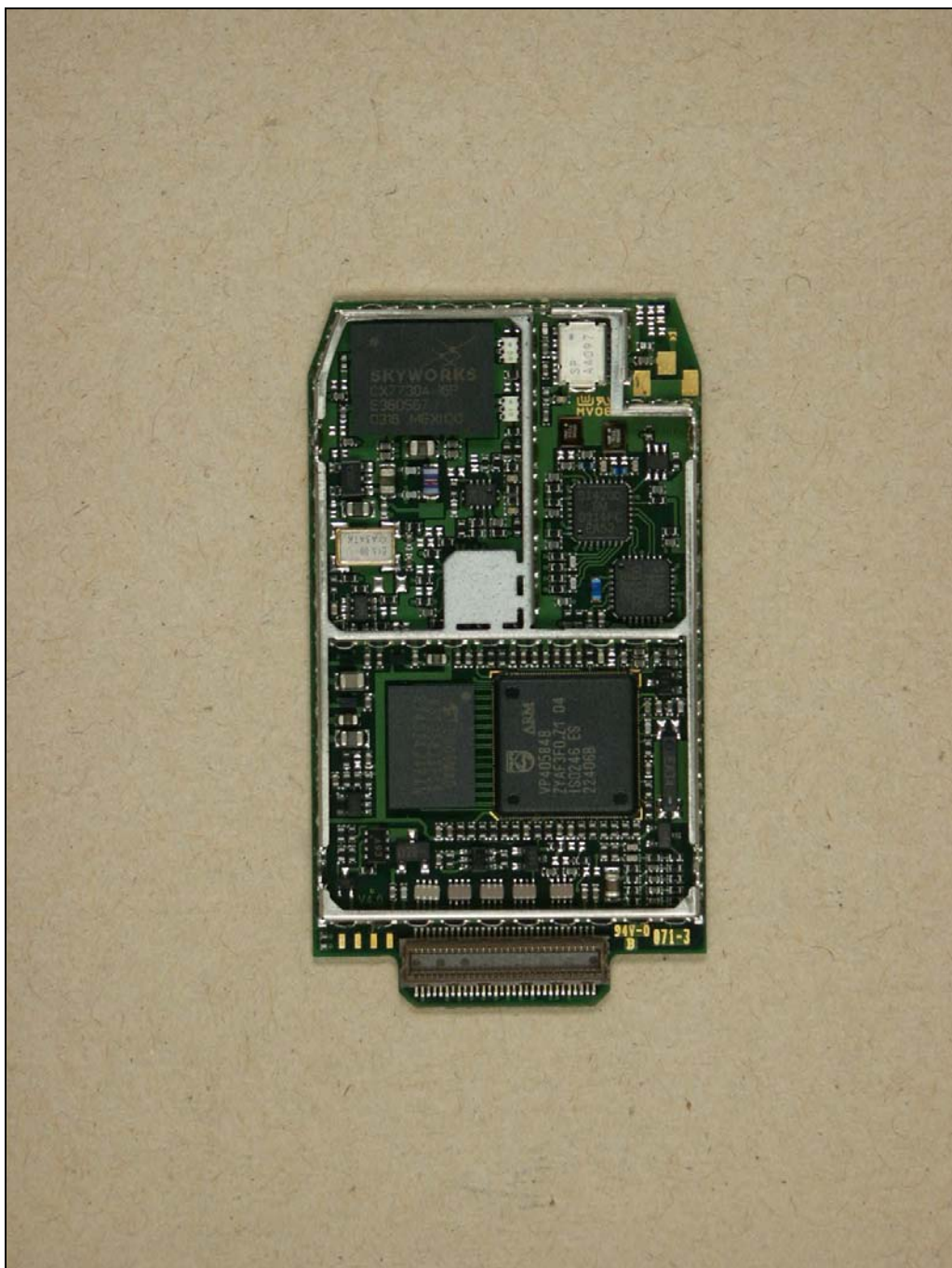
3GPP TS 51.010 Item	TEST DESCRIPTION	GCF GSM 900 Cat	GCF GSM 1800 Cat	GSM 900 / 1800 dualband required	Verdict GSM 900	Verdict GSM 1800	Verdict Multiband	Comments
45.2.2	PDP context activation requested by the network, successful and unsuccessful	A	A	900 or 1800	passed			
45.2.4.1	T3380 Expiry	A	A	900 or 1800	passed			
45.2.4.2	Collision of MS initiated and network requested PDP context activation	A	A	900 or 1800	passed			
45.3.1	PDP context modification procedure (Cases 1 & 2)	A	A	900 or 1800	passed			
45.4.1	PDP context deactivation procedure / PDP context deactivation initiated by the MS	A	A	900 or 1800	passed			
45.4.2	PDP context deactivation procedure / PDP context deactivation initiated by the network	A	A	900 or 1800	passed			
45.4.3.1	T3390 Expiry	A	A	900 or 1800	passed			
45.4.3.2	Collision of MS and network initiated PDP context deactivation requests	A	A	900 or 1800	passed			
45.5.1	Error cases	A	A	900 or 1800	passed			
46.1.2.1.1	Data transmission in protected mode	A	A	900 or 1800	passed			
46.1.2.1.2	Data transmission in unprotected mode	A	A	900 or 1800	passed			
46.1.2.2.1.3	Link establishment, Loss of UA frame	A	A	900 or 1800	passed			
46.1.2.2.1.4	Acknowledged data transfer / Link establishment / Total loss of UA frame	A	A	900 or 1800	passed			
46.1.2.2.3.1	Checking N(R)	A	A	900 or 1800	passed			
46.1.2.2.3.2	MS handling busy condition during bi-directional data transfer	A	A	900 or 1800	passed			
46.1.2.2.3.3	SACK frame	A	A	900 or 1800	n.a.	n.a.		
46.1.2.2.3.4	ACK frame	A	A	900 or 1800	passed			
46.1.2.2.4.1	Reestablishment due to reception of SABM	A	A	900 or 1800	passed			
46.1.2.2.4.2	Reestablishment due to N200 failures	A	A	900 or 1800	passed			
46.1.2.2.4.3	Reestablishment due to reception of DM	A	A	900 or 1800	passed			
46.1.2.3.1	Collision of commands and responses / Collision of SABM	A	A	900 or 1800	passed			
46.1.2.3.2	Collision of SABM and DISC	A	A	900 or 1800	passed			
46.1.2.3.3	Collision of SABM and XID commands	A	A	900 or 1800	passed			
46.1.2.4.1	Unsolicited response frames / Unsolicited DM	A	A	900 or 1800	passed			
46.1.2.5.1	Sending FRMR due to undefined command-control field	A	A	900 or 1800	passed			
46.2.2.1.1	Mobile originated normal data transfer with LLC in acknowledged mode	A	A	900 or 1800	passed			
46.2.2.1.2	Mobile originated normal data transfer with LLC in unacknowledged mode	A	A	900 or 1800	passed			
46.2.2.2.1	LLC link re-establishment on reception of SN-DATA PDU with F=0 in ack mode in the Receive First Segment state	A	A	900 or 1800	passed			
46.2.2.2.2	LLC link re-establishment on receiving second segment with F=1 and with different PCOMP and DCOMP values in the acknowledged mode data transfer	A	A	900 or 1800	passed			
46.2.2.3.1	LLC link release on receiving DM from the SS during acknowledged data transfer	A	A	900 or 1800	passed			
46.2.2.4.1	Response from MS on receiving XID request from the SS	A	A	900 or 1800	passed			
46.2.2.4.3	Response from MS on receiving an XID response from the SS with unrecognised type field	A	A	900 or 1800	passed			

**Annex I:**        Photos of the EUT









**Annex II:** PICS/PIXIT information of the EUT

Mobile type GSM/GPRS module Wismo Quick Q2406B

TYPES OF MOBILE STATION (Table A.1)

1)	Standard GSM Band (P-GSM)	Y
2)	Extended GSM Band (E-GSM), (including Standard Band)	Y
3)	R-GSM Band (including standard and E-GSM Band)	N
4)	DCS 1800 Band	Y
5)	Multiple-band, not simultaneously	N
6)	Multiple-band, simultaneously	Y
7)	Small Mobile Station	N
8)	GSM Power Class 2	N
9)	GSM Power Class 3	N
10)	GSM Power Class 4	Y
11)	GSM Power Class 5	N
12)	DCS Power Class 1	Y
13)	DCS Power Class 2	N
14)	DCS Power Class 3	N
15)	HSCSD Multislot MS	N
16)	GSM 450 band	N
17)	GSM 480 band	N
18)	PCS 1900 band	N
19)	PCS Power Class 1	N
20)	PCS Power Class 2	N
21)	PCS Power Class 3	N
22)	Multislot Class1	N
23)	Multislot Class2	N
24)	Multislot Class3	N
25)	Multislot Class4	N
26)	Multislot Class5	N
27)	Multislot Class6	N
28)	Multislot Class7	N
29)	Multislot Class8	N
30)	Multislot Class9	N
31)	Multislot Class10	Y
32)	Multislot Class11	N
33)	Multislot Class12	N
34)	Multislot Class13	N
35)	Multislot Class14	N
36)	Multislot Class15	N
37)	Multislot Class16	N
38)	Multislot Class17	N
39)	Multislot Class18	N
40)	Multislot Class19	N
41)	Multislot Class20	N

42)	Multislot Class21	N
43)	Multislot Class22	N
44)	Multislot Class23	N
45)	Multislot Class24	N
46)	Multislot Class25	N
47)	Multislot Class26	N
48)	Multislot Class27	N
49)	Multislot Class28	N
50)	Multislot Class29	N
51)	GPRS Multislot operation	Y
52)	EGPRS Multislot operation	N
53)	GSM 700 band	N
54)	GSM 750 band	N
55)	GSM 850 band	N
56)	Support of UTRAN Radio Access Technology	N
57)	Support of GPRS Multislot class on the uplink	N
58)	Support of COMPACT	N

MOBILE STATION FEATURES (Table A.2)

1)	Display of Called Number	N
2)	Indication of Call Progress Signals	N
3)	Country / PLMN Indication	N
4)	Country / PLMN Selection	Y
5)	Keypad	N
6)	IMEI	Y
7)	Short Message Overflow	N
8)	DTE / DCE Interface	Y
9)	ISDN 'S' Interface	N
10)	International Access Function	Y
11)	Service Indicator	N
12)	Autocalling restriction capabilities	N
13)	Dual Tone Multi Frequency function	Y
14)	Subscription Identity Management	Y
15)	On / Off Switch	Y
16)	Sub-address	N
17)	Support of Encryption A5/1	Y
18)	Support of Encryption A5/2	Y
19)	Short Message Service Cell Broadcast DRX..	Y
20)	Abbreviated Dialling	Y
21)	Fixed Number Dialling	Y
22)	Barring of Outgoing Calls	N
23)	DTMF Control Digits Separator	N
24)	Selection of Directory No in Short Messages	N
25)	Last Numbers Dialed	Y
26)	At least one Autocalling Feature	N
27)	Alphanumeric display	N
28)	Other means of display	N
29)	Speech indicator	N

30)	Support of the extended Short message cell broadcast channel	N
31)	Support of Additional Call Set-up MMI Procedures	N
32)	Network Identity and Timezone	N
33)	Ciphering Indicator	N
34)	Network's indication of alerting in the MS \$(NI Alert in MS)\$	N
35)	ME-SIM lock	Y
36)	Service Dialling Numbers	Y
37)	Extended timing advance	N
38)	Support of SoLSA	N
39)	Audible Indication of Service Tones	N
40)	Autocalling_Cause 27 Implemented in Cat 3	N
41)	Support of GPRS	Y
42)	Support of EGPRS	N
43)	Support of GPRS Encryption	Y
44)	Control of Supplementary Services	Y
45)	Short message	Y
46)	Emergency calls capabilities	Y
47)	GPRS operation mode class A	N
48)	GPRS operation mode class B	Y
49)	GPRS operation mode class C	Y
50)	MS supporting SMS over GPRS	Y
51)	MS in GPRS operation mode C and afterwards switch to MS GPRS operation mode B.	N
52)	Support of GSM-CTS	N
53)	Support of ECSD	N
54)	GPRS test mode A	N
55)	GPRS test mode B	N
56)	EGPRS test mode	N
57)	Support of MS-Assisted E-OTD	N
58)	Non-zero value of Non_DRX_Timer	Y
59)	Support of MS-Based GPS	N
60)	Support of MS-Assisted GPS	N

TELESERVICES (Table A.3)

1)	Telephony	Y
2)	Emergency Call	Y
3)	Short Message MT/PP	Y
4)	Short Message MO/PP	Y
5)	SMS Cell Broadcast	Y
6)	Teleservice Alternate Speech and G3 fax	N
7)	Teleservices Automatic G3 fax	Y
8)	Voice Group Call Service (VGCS)	N
9)	Voice Broadcast Service (VBS)	N
10)	SMS description	N

## BEARER SERVICES (Table A.4)

1)	Data cct. duplex async. 300 bit/s	Y
2)	Data cct. duplex async. 1200 b/s	Y
3)	Data cct. duplex async. 1200/75b/s	Y
4)	Data cct. duplex async. 2400 b/s	Y
5)	Data cct. duplex async. 4800 b/s	Y
6)	Data cct. duplex async. 9600 b/s	Y
7)	Data cct. duplex sync. 1200 b/s	N
8)	Data cct. duplex sync. 2400 b/s	N
9)	Data cct. duplex sync. 4800 b/s	N
10)	Data cct. duplex sync. 9600 b/s	N
11)	PAD Access 300 b/s	N
12)	PAD Access 1200 b/s	N
13)	PAD Access 1200/75b/s	N
14)	PAD Access 2400 b/s	N
15)	PAD Access 4800 b/s	N
16)	PAD Access 9600 b/s	N
17)	Packet Access 2400 b/s	N
18)	Packet Access 4800 b/s	N
19)	Packet Access 9600 b/s	N
20)	Alternate Speech/Data	N
21)	Speech Followed by data	N
22)	GPRS	Y

## SUPPLEMENTARY SERVICES (Table A.5)

1)	Calling Line Identification Presentation	Y
2)	Calling Line Identification Restriction	Y
3)	Connected Line Identification Presentation	Y
4)	Connected Line Identification Restriction	Y
5)	Call Forwarding Unconditional	Y
6)	Call Forwarding on Mobile Subscriber Busy	Y
7)	Call Forwarding on No Reply	Y
8)	Call Forw. on Mobile Subscriber Not Reachable	Y
9)	Call Waiting	Y
10)	Call Hold	Y
11)	Multi Party Service	Y
12)	Closed User Group	Y
13)	Advice of Charge (Information)	Y
14)	Advice of Charge (Charging)	Y
15)	Barring of All Outgoing Calls	Y
16)	Barring of Outgoing International Calls	Y
17)	Barring of Outgoing International Calls except those directed to the Home PLMN Country	Y
18)	Barring of All Incoming Calls	Y
19)	Barring of Incoming Calls when Roaming Outside the Home PLMN Country	Y
20)	Unstructured SS Data	Y

21)	enhanced Multi-Level Precedence and Pre-emption service (eMLPP)	N
22)	Call Deflection	N
23)	User-to-User signalling	N
24)	Explicit Call Transfer	Y
25)	Implicit UUS1	N
26)	Sending of implicit UUS1 in the ALERTING message	N
27)	Sending of implicit UUS1 in the CONNECT message	N
28)	Follow Me	N
29)	User-to-Dispatcher Information	N
30)	Compressed User-to-Dispatcher	N
31)	Completion of Calls to Busy SS	N
32)	Completion of Calls to Busy Requests	N
33)	Support of Private Numbering Plan SS	N
34)	Support of Private Numbering Plan , Numbering Plans	N
35)	Name Identification SS	N

## GROUPS FOR POSSIBLE BEARER CAPABILITIES (Table A.6)

1)	Bearer Service 21..26, unrestricted digital information transfer capability	Y
2)	Bearer Service 21..26, 3.1 kHz audio ex-PLMN information transfer capability	Y
3)	Bearer Service 31..34, unrestricted digital information transfer capability; Non-X.32 Cases (BS 31..BS 34)	N
4)	Bearer Service 31..34, unrestricted digital information transfer capability; X.32 Cases	N
5)	Bearer Service 31..34, 3.1 kHz audio ex-PLMN information transfer capability; Non-X.32 Cases	N
6)	Bearer Service 31..34, 3.1 kHz audio ex-PLMN information transfer capability; X.32 Cases	N
7)	Bearer Service 41..46, PAD Access Asynchronous	N
8)	Bearer Service 51..53, Data Packet Duplex Synchronous	N
9)	Bearer Service 61, Alternate Speech/Data, "Speech"	N
10)	Bearer Service 61, Alternate Speech/Data, 3.1 kHz audio ex-PLMN information transfer capability; Asynchronous	N
11)	Bearer Service 61, Alternate Speech/Data, 3.1 kHz audio ex-PLMN information transfer capability; Synchronous	N
12)	Bearer Service 81, Speech followed by Data, "Speech"	N
13)	Bearer Service 81, Speech followed by Data, 3.1 kHz audio ex-PLMN information transfer capability; Asynchronous	N
14)	Bearer Service 81, Speech followed by Data, 3.1 kHz audio ex-PLMN information transfer capability; Synchronous	N
15)	Teleservice 11..12, Speech	Y
16)	Teleservice 61, Alternate Speech and Facsimile group 3; „Speech“	N
17)	Teleservice 61, Alternate Speech and Facsimile group 3; Facsimile group 3	N
18)	Teleservice 62, Automatic Facsimile group 3	N

## BEARER SERVICE 20..26, UDI/RDI (Table A.7)

		Al- lowed	Sup- ported
1)	Signalling Access Protocol (SAP)	I.440	Y
		X.28non d	N
2)	Connection Element (CE)	NT	Y
		bothNT	Y
		T	Y
		bothT	Y
3)	User Info Layer 2 Protocol (UIL2P)	ISO642 9	N
		COPnoF ICt	N
		NAV	Y
4)	Number of Data Bits (NDB)	7 bits	N
		8 bits	Y
5)	Parity Information (NPB)	odd	N
		even	N
		0	N
		1	N
		none	Y
6)	Number of Stop Bits (NSB)	1 bit	Y
		2 bits	N
7)	Radio Channel Requirement (RCR)	dualHR	N
		FR	Y
		dualFR	N
8)	Intermediate Rate (IR)	8 kbps	Y
		16 kbps	Y
9)	User Rate (UR)	0.3	Y
		1.2	Y
		2.4	Y
		4.8	Y
		9.6	Y
		1.2/0.07 5	Y
10)	Fixed Network User Rate (FNUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		38.4	N
		48.0	N
		56.0	N
		NAV	N
11)	Wanted Air Interface User Rate (WAIUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		38.4	N
		43.2	N



		57.6	N
		NAV	N
12)	User Initiated Modification Indication (UIMI)	not req.	N
		upto1	N
		upto2	N
		upto3	N
		upto4	N
		NAV	N
13)	Maximum number of Traffic Channels (MaxNumTCH)	1	N
		2	N
		3	N
		4	N
		NAV	N
10a)	all allowed combinations according to GSM 07.01 B.1.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

## BEARER SERVICE 20..26, 3.1 kHz (Table A.8)

		Al- lowed	Sup- ported
1)	Signalling Access Protocol (SAP)	I.440	Y
		X.28non d	N
2)	Connection Element (CE)	NT	Y
		bothNT	Y
		T	Y
		bothT	Y
3)	User Info Layer 2 Protocol (UIL2P)	ISO642 9	N
		COPnoF ICt	N
		NAV	Y
4)	Number of Data Bits (NDB)	7 bits	N
		8 bits	Y
5)	Parity Information (NPB)	odd	N
		even	N
		0	N
		1	N
		none	Y
6)	Number of Stop Bits (NSB)	1 bit	Y
		2 bits	N
7)	Radio Channel Requirement (RCR)	dualHR	N
		FR	Y
		dualFR	N
8)	Intermediate Rate (IR)	8 kbps	Y
		16 kbps	Y
9)	User Rate (UR)	0.3	Y
		1.2	Y
		2.4	Y
		4.8	Y
		9.6	Y

		1.2/0.07 5	Y
10)	Modem Type (MT)	V.21	Y
		V.22	Y
		V.22bis	Y
		V.26ter	Y
		V.32	Y
		V.23	Y
		auto1	Y
11)	Fixed Network User Rate (FNUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		NAV	N
12)	Wanted Air Interface User Rate (WAIUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		38.4	N
		43.2	N
13)	Acceptable channel codings (ACC)	4.8	N
		9.6	N
		14.4	N
		NAV	N
14)	User Initiated Modification Indication (UIMI)	not req.	N
		upto1	N
		upto2	N
		upto3	N
		upto4	N
		NAV	N
15)	Maximum number of Traffic Channels (MaxNumTCH)	1	N
		2	N
		3	N
		4	N
		NAV	N
11a)	all allowed combinations according to GSM 07.01 B.1.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

BEARER SERVICE 30..34, UDI, Non-X.32 (Table A.9)

		Al- lowed	Sup- ported
1)	Signalling Access Protocol (SAP)	I.440	N
		X.28non d	N
2)	Radio Channel Requirement (RCR)	dualHR	N
		FR	N
		dualFR	N
3)	Intermediate Rate (IR)	8 kbps	N
		16 kbps	N

4)	User Rate (UR)	1.2	N
		2.4	N
		4.8	N
		9.6	N
5)	Fixed Network User Rate (FNUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		38.4	N
		48.0	N
		56.0	N
		NAV	N
6)	Acceptable channel codings (ACC)	4.8	N
		9.6	N
		14.4	N
		NAV	N
7)	Maximum number of Traffic Channels (MaxNumTCH)	1	N
		2	N
		3	N
		4	N
		NAV	N
5a)	all allowed combinations according to GSM 07.01 A2 1.3.1.1 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

BEARER SERVICE 30..34, UDI, X-32 (Table A.10)

		Al- lowed	Sup- ported
1)	Radio Channel Requirement (RCR)	dualHR	N
		FR	N
		dualFR	N
2)	Intermediate Rate (IR)	8 kbps	N
		16 kbps	N
3)	User Rate (UR)	2.4	N
		4.8	N
		9.6	N
4)	User Info Layer 2 Protocol (UIL2P)	X.25	N
		(X.75)	N
5)	Rate Adaptation (RA)	X.31Flag	N
		(V.120)	N
6)	Fixed Network User Rate (FNUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		38.4	N
		48.0	N
		56.0	N
		NAV	N
7)	Wanted Air Interface User Rate (WAIUR)	9.6	N

		14.4	N
		19.2	N
		28.8	N
		38.4	N
		43.2	N
		57.0	N
		NAV	N
8)	User Initiated Modification Indication (UIMI)	not req.	N
		upto1	N
		upto2	N
		upto3	N
		upto4	N
		NAV	N
9)	Acceptable channel codings (ACC)	4.8	N
		9.6	N
		14.4	N
		NAV	N
10)	Maximum number of Traffic Channels (MaxNumTCH)	1	N
		2	N
		3	N
		4	N
		NAV	N
4a)	all allowed combinations according to GSM 07.01 B.1.3.1.2 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

BEARER SERVICE 30..34, UDI, 48kbps and 56 kbps bit transparent (Table A.10a)

		Al- lowed	Sup- ported
1)	Signalling Access Protocol (SAP)	1.440	N
		X.21	N
2)	Fixed Network User Rate (FNUR)	48	N
		56	N
3)	all allowed combinations according to GSM 07.01 B.1.3.1.4 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

BEARER SERVICE 30..34, UDI, 64 kbps bit transparent (Table A.10b)

		Al- lowed	Sup- ported
1)	Signalling Access Protocol (SAP)	1.440	N
		X.21	N
2)	Acceptable channel codings (ACC)	9.6	N
		14.4	N
3)	Maximum number of Traffic Channels (MaxNumTCH)	5	N
		6	N
4)	all allowed combinations according to GSM 07.01 B.1.3.1.5 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

## BEARER SERVICE 30..34, 3.1 kHz, Non-X-32 (Table A.11)

		Al- lowed	Sup- ported
1)	Radio Channel Requirement (RCR)	dualHR	N
		FR	N
		dualFR	N
2)	Intermediate Rate (IR)	8 kbps	N
		16 kbps	N
3)	User Rate (UR)	1.2	N
		2.4	N
		4.8	N
		9.6	N
4)	Modem Type (MT)	V.22	N
		V.22bis	N
		V.26ter	N
		V.32	N
5)	Other Modem Type (OMT)	no other MT	N
		V.34	N
		NAV	N
6)	Fixed Network User Rate (FNUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		NAV	N
7)	Acceptable channel codings (ACC)	4.8	N
		9.6	N
		14.4	N
		NAV	N
8)	Maximum number of Traffic Channels (MaxNumTCH)	1	N
		2	N
		3	N
		4	N
		NAV	N
5a)	all allowed combinations according to GSM 07.01 B.1.3.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

## BEARER SERVICE 30..34, 3.1 kHz, X-32 (Table A.12)

		Al- lowed	Sup- ported
1)	Connection Element (CE)	NT	N
		bothNT	N
		T	N
		bothT	N
2)	Radio Channel Requirement (RCR)	dualHR	N
		FR	N
		dualFR	N
3)	Intermediate Rate (IR)	8 kbps	N

		16 kbps	N
4)	User Rate (UR)	2.4	N
		4.8	N
		9.6	N
5)	Modem Type (MT)	V.22bis	N
		V.22ter	N
		V.32	N
6)	Other Modem Type (OMT)	no other MT	N
		V.34	N
		NAV	N
7)	Fixed Network User Rate (FNUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		NAV	N
8)	Wanted Air Interface User Rate (WAIUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		NAV	N
9)	Acceptable channel codings (ACC)	4.8	N
		9.6	N
		14.4	N
		NAV	N
10)	User Initiated Modification Indication (UIMI)	not req.	N
		upto1	N
		upto2	N
		upto3	N
		upto4	N
		NAV	N
11)	Maximum number of Traffic Channels (MaxNumTCH)	1	N
		2	N
		3	N
		4	N
		NAV	N
6a)	all allowed combinations according to GSM 07.01 B.1.3.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

## BEARER SERVICE 40..46, PAD Access (Table A.13)

		Al- lowed	Sup- ported
1)	Connection Element (CE)	NT	N
		bothNT	N
		T	N
		bothT	N
2)	User Info Layer 2 Protocol (UIL2P)	ISO6429	N
		COPnoF ICt	N
		NAV	N
3)	Number of Data Bits(NDB)	7 bits	N
		8 bits	N
4)	Parity Information (NPB)	odd	N
		even	N
		0	N
		1	N
		none	N
5)	Number of Stop Bits (NSB)	1 bit	N
		2 bits	N
6)	Radio Channel Requirement (RCR)	dualHR	N
		FR	N
		dualFR	N
7)	Intermediate Rate (IR)	8 kbps	N
		16 kbps	N
8)	User Rate (UR)	0.3	N
		1.2	N
		2.4	N
		4.8	N
		9.6	N
		1.2/0.07 5	N
9)	Fixed Network User Rate (FNUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		38.4	N
		48	N
		56	N
		NAV	N
10)	Wanted Air Interface User Rate (WAIUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		38.4	N
		43.2	N
		57.6	N
		NAV	N

11)	Acceptable channel codings (ACC)	4.8	N
		9.6	N
		14.4	N
		NAV	N
12)	User Initiated Modification Indication (UIMI)	not req.	N
		upto1	N
		upto2	N
		upto3	N
		upto4	N
		NAV	N
13)	Maximum number of Traffic Channels (MaxNumTCH)	1	N
		2	N
		3	N
		4	N
		NAV	N
9a)	all allowed combinations according to GSM 07.01 B.1.4 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

BEARER SERVICE 50..53, Data Packet Duplex Synchronous (Table A.14)

		Al- lowed	Sup- ported
1)	Radio Channel Requirement (RCR)	dualHR	N
		FR	N
		dualFR	N
2)	Intermediate Rate (IR)	8 kbps	N
		16 kbps	N
3)	User Rate (UR)	0.3	N
		1.2	N
		2.4	N
		4.8	N
		9.6	N
		1.2/0.07 5	N
4)	Fixed Network User Rate (FNUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		38.4	N
		48.0	N
		56.0	N
		NAV	N
5)	Wanted Air Interface User Rate (WAIUR)	9.6	N
		14.4	N
		19.2	N
		28.8	N
		38.4	N
		43.2	N
		57.6	N



		NAV	N
6)	Acceptable channel codings (ACC)	4.8	N
		9.6	N
		14.4	N
		NAV	N
7)	User Initiated Modification Indication (UIMI)	not req.	N
		upto1	N
		upto2	N
		upto3	N
		upto4	N
		NAV	N
8)	Maximum number of Traffic Channels (MaxNumTCH)	1	N
		2	N
		3	N
		4	N
		NAV	N
4a)	all allowed combinations according to GSM 07.01 B.1.5 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

BEARER SERVICE 61, Alternate Speech/Data, „Speech“ (Table A.15)

		Al- lowed	Sup- ported
1)	Radio Channel Requirement (RCR)	dualHR	N
		FR	N
		dualFR	N

BEARER SERVICE 61, Alternate Speech/Data, 3.1 kHz, Async (Table A.16)

		Al- lowed	Sup- ported
1)	Connection Element (CE)	NT	N
		bothNT	N
		T	N
		bothT	N
2)	User Info Layer 2 Protocol (UIL2P)	ISO6429	N
		COPnoF ICt	N
		NAV	N
3)	Number of Data Bits(NDB)	7 bits	N
		8 bits	N
4)	Parity Information (NPB)	odd	N
		even	N
		0	N
		1	N
		none	N
5)	Number of Stop Bits (NSB)	1 bit	N
		2 bits	N
6)	Radio Channel Requirement (RCR)	dualHR	N

		FR	N
		dualFR	N
7)	Intermediate Rate (IR)	8 kbps	N
		16 kbps	N
8)	User Rate (UR)	0.3	N
		1.2	N
		2.4	N
		4.8	N
		9.6	N
		1.2/0.075	N
9)	Modem Type (MT)	V.21	N
		V.22	N
		V.22bis	N
		V.26ter	N
		V.32	N
		V.23	N
		auto1	N
10)	all allowed combinations according to GSM 07.01 B.1.6.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

BEARER SERVICE 61, Alternate Speech/Data, 3.1 kHz, Sync (Table A.17)

		Al- lowed	Sup- ported
1)	Radio Channel Requirement (RCR)	dualHR	N
		FR	N
		dualFR	N
2)	Intermediate Rate (IR)	8 kbps	N
		16 kbps	N
3)	User Rate (UR)	1.2	N
		2.4	N
		4.8	N
		9.6	N
4)	Modem Type (MT)	V.22	N
		V.22bis	N
		V.26ter	N
		V.32	N
5)	all allowed combinations according to GSM 07.01 B.1.6.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

BEARER SERVICE 81, Speech followed by Data, „Speech“ (Table A.18)

		Al- lowed	Sup- ported
1)	Radio Channel Requirement (RCR)	dualHR	N
		FR	N
		dualFR	N

BEARER SERVICE 81, Speech followed by Data, 3.1 kHz, Async (Table A.19)

		Al- lowed	Sup- ported
1)	Connection Element (CE)	NT	N
		bothNT	N
		T	N
		bothT	N
2)	User Info Layer 2 Protocol (UIL2P)	ISO6429	N
		COPnoF ICt	N
		NAV	N
3)	Number of Data Bits(NDB)	7 bits	N
		8 bits	N
4)	Parity Information (NPB)	odd	N
		even	N
		0	N
		1	N
		none	N
5)	Number of Stop Bits (NSB)	1 bit	N
		2 bits	N
6)	Radio Channel Requirement (RCR)	dualHR	N
		FR	N
		dualFR	N
7)	Intermediate Rate (IR)	8 kbps	N
		16 kbps	N
8)	User Rate (UR)	0.3	N
		1.2	N
		2.4	N
		4.8	N
		9.6	N
		1.2/0.07 5	N
9)	Modem Type (MT)	V.21	N
		V.22	N
		V.22bis	N
		V.26ter	N
		V.32	N
		V.23	N
		auto1	N
10)	all allowed combinations according to GSM 07.01 B.1.7.2.1 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

BEARER SERVICE 81, Speech followed by Data, 3.1 kHz, Sync (Table A.20)

		Al- lowed	Sup- ported
1)	Radio Channel Requirement (RCR)	dualHR	N
		FR	N
		dualFR	N
2)	Intermediate Rate (IR)	8 kbps	N
		16 kbps	N
3)	User Rate (UR)	1.2	N
		2.4	N
		4.8	N
		9.6	N
4)	Modem Type (MT)	V.22	N
		V.22bis	N
		V.26ter	N
		V.32	N
5)	all allowed combinations according to GSM 07.01 B.1.7.2.2 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

TELESERVICE 11..12 Speech (Table A.21)

		Al- lowed	Sup- ported
1)	Radio Channel Requirement (RCR)	dualHR	N
		FR	Y
		dualFR	N

ALTERNATE SPEECH AND FACSIMILE GROUP 3, Speech (Table A.22)

		Al- lowed	Sup- ported
1)	Radio Channel Requirement (RCR)	dualHR	N
		FR	N
		dualFR	N

ALTERNATE SPEECH AND FACSIMILE GROUP 3, Facsimile group 3 (Table A.23)

		Al- lowed	Sup- ported
1)	Connection Element (CE)	NT	N
		bothNT	N
		T	N
		bothT	N
2)	User Info Layer 2 Protocol (UIL2P)	X.25	N
		NAV	N
3)	Intermediate Rate (IR)	8 kbps	N
		16 kbps	N
4)	User Rate (UR)	2.4	N

		4.8	N
		9.6	N
5)	all allowed combinations according to GSM 07.01 B.1.10.2 (3GPP TS 27.001) implemented (if not, provide detailed description)		N

TELESERVICE 62, Automatic G3 fax (Table A.24)

		Al- lowed	Sup- ported
1)	Connection Element (CE)	NT	N
		bothNT	N
		T	Y
		bothT	N
2)	User Info Layer 2 Protocol (UIL2P)	X.25	N
		NAV	Y
3)	Intermediate Rate (IR)	8 kbps	N
		16 kbps	Y
4)	User Rate (UR)	2.4	N
		4.8	N
		9.6	Y
5)	all allowed combinations according to GSM 07.01 B.1.11 (3GPP TS 27.001) implemented (if not, provide detailed description)		Y

ADDITIONAL INFORMATION (Table A.25)

1)	At least one half Rate Service	Y
2)	Full Rate Speech Mode	Y
3)	Half Rate Speech Mode	Y
4)	At least one Data Service	Y
5)	At least one Full Rate Data Service	Y
6)	At least one Half Rate Data Service	N
7)	At least one Non Transparent Data Service.	Y
8)	At least one Transparent Data Service	Y
9)	Only Transparent Data Service	N
10)	At least one asyn. Data Service	Y
11)	At least one asyn. non Transp. Data Serv	Y
12)	2.4k full Rate Data Mode	Y
13)	2.4k half Rate Data Mode	N
14)	4.8k full Rate Data Mode	Y
15)	4.8k half Rate Data Mode	N
16)	9.6k full Rate Data Mode	Y
17)	Non transparent. service with full rate channel at a user rate of 4.8kbit/s	N
18)	At least one Bearer Capability	Y
19)	At least one MT cct. switched basic Service	Y
20)	At least one MO cct. switched basic Service	Y
21)	Only SDCCH	N
22)	At least one Service on Traffic Channel	Y
23)	Dual Rate Channel Types	Y
24)	Only Full Rate Channel Type	N
25)	At least one Teleservice	Y

26)	CC Protocol for at least one BC	Y
27)	Only circuit switched basic Service supported by the Mobile is Emergency Call	N
28)	Fax Error Correction Mode	N
29)	At least one Supplementary Service	Y
30)	Non Call Related Supplementary Service	Y
31)	At least one Short Message Service	Y
32)	(SMS) Reply Procedure	N
33)	Replace SMS	N
34)	Display of Received SMS	Y
35)	SMS Status Report Capabilities	Y
36)	Storing of Short Messages in the SIM	Y
37)	Storing of Short Messages in the ME	N
38)	Detach on Power Down	Y
39)	Detach on SIM Remove	Y
40)	SIM removable without Power down	Y
41)	ID-1 SIM	N
42)	Plug-In SIM	Y
43)	Disable PIN Feature	Y
44)	PIN2 Feature	Y
45)	Feature Requiring Entry of PIN2	Y
46)	Chars 0-9, *, #	Y
47)	A, B, C, D Chars	N
48)	Autom. Enter Automatic Sel. of PLMN Mode	N
49)	Alerting Indication to the User	Y
50)	Appl. Layer is always Running	Y
51)	Immediate Connect	N
52)	In-Call Modification	Y
53)	Follow-On Request Procedure	Y
54)	Refusal of Call	N
55)	RF amplification	N
56)	Number of B-party number for Autocalling is greater than number of Entries in the Blacklist	N
57)	Handset MS supporting Speech	Y
58)	MT2 Configuration	Y
59)	MT2 Conf. or any other Possibility to send Data over Um Interface	Y
60)	Permanent Antenna Connector	Y
61)	Pseudo-synchronized handover supported	Y
62)	5V only SIM/ME interface	N
63)	3V only SIM/ME interface	Y
64)	3V/5V SIM/ME interface	N
65)	Enhanced full rate speech supported	Y
66a)	RLP supports non default parameters	Y
66b)	Support of listening to voice broadcast calls (VBS listening)	N
67)	Support of originating voice broadcast call (VBS originating)	N
68)	Support of listening to voice group calls (VGCS listening)	N
69)	Support of talking in voice group calls (VGCS talking)	N
70)	Support of originating voice group call (VGCS originating)	N
71)	Support reduced NCH monitoring	N
72)	14.4 k data mode	Y
73)	Implementation of cause number 27 of busy autocalling in category 2	N

74)	Implementation of cause number 27 of busy autocalling in category 3	N
75)	Support of immediate connect	N
76)	Artificial ear type 1	N
77)	Artificial ear type 3.2	N
78)	Artificial ear type 3.4	N
79)	Speech supported for Multi Rate version 1	N
80)	NCH monitoring in group receive mode	N
81)	NCH monitoring in group transmit mode	N
82)	NCH monitoring in dedicated mode	N
83)	Support of one PDP context activation	Y
84)	Support of more than one PDP context activation	Y
85)	Support of more than one PDP context activation simultaneously on the same SAPI	N
86)	Support of GPRS data compression	N
87)	Support of GPRS header compression	Y
88)	Support of Network requested PDP context activation	Y
89)	Support for user settings of minimum QoS	Y
90)	Automatic GPRS attach procedure at switch-on/power-on	N
91)	MMI controlled attach/detach procedures for non-GPRS services	Y
92)	Automatic attach procedure when MS identity cannot derived by the network	N
93)	Automatic MM IMSI attach procedure at switch-on / power-on	Y
94)	Support of SIM Application Toolkit	Y
95)	1,8V only SIM/ME interface	N
96)	1,8V/3V SIM/ME interface	N
97)	Multiple SM MO/PP on same RR link	N
98)	Support of stored list cell selection	N
99)	at least one service not support immediate connection	Y
100)	Enhanced full rate speech version 2 supported	Y
101)	Enhanced full rate speech version 3 supported	Y
102)	EFR_EmgCallSetup message contains the bearer capability	Y
103)	Support of MonitorPCH_GroupTransmitMode	N
104)	Integral_Antenna Connector	N
105)	User requested combined GPRS and non-GPRS detached without powering off	N
106)	User requested non-GPRS detached	N
107)	Artificial ear type 3.2, High leak option	N
108)	Artificial ear type 3.3	N
109)	Support of Multiple SMS	N
110)	Cell Reselection after T3184 Expiry	N

SAT MECHANISM (Table A.26.1)

1)	Terminal Profile	Y
2)	Envelope	Y
3)	Fetch	Y
4)	Terminal Response	Y
5)	Proactive Commands	Y
6)	Data download to SIM	Y
7)	Menu selection	Y
8)	Call Control by SIM	Y

TERMINAL PROFILE (Table A.26.2)

1)	Profile Download	Y
2)	SMS-PP data download	Y
3)	Cell Broadcast data download	N
4)	Menu selection	Y
5)	RFU	N
6)	RFU	N
7)	RFU	N
8)	RFU	N
9)	Command result	N
10)	Call Control by SIM	Y
11)	RFU	N
12)	RFU	N
13)	RFU	N
14)	RFU	N
15)	RFU	N
16)	RFU	N
17)	DISPLAY TEXT	Y
18)	GET INKEY	Y
19)	GET INPUT	Y
20)	MORE TIME	Y
21)	PLAY TONE	Y
22)	POLL INTERVAL	Y
23)	POLLING OFF	Y
24)	REFRESH	Y
25)	SELECT ITEM	Y
26)	SEND SHORT MESSAGE	Y
27)	SEND SS	Y
28)	RFU	Y
29)	SET UP CALL	Y
30)	SET UP MENU	Y
31)	PROVIDE LOCAL INFORMATION (LOCI & IMEI)	Y
32)	RFU	N
33)	RFU	N



34)	RFU	N
35)	RFU	N
36)	RFU	N
37)	RFU	N
38)	RFU	N

## PROACTIVE COMMANDS (Table A.26.3)

1)	Display Text	Y
2)	Get Inkey	Y
3)	Get Input	Y
4)	More Time	Y
5)	Play Tone	Y
6)	Poll Interval	Y
7)	Refresh	Y
8)	Set up Menu	Y
9)	Select Item	Y
10)	Send Short Message	Y
11)	Send SS	Y
12)	Set Up Call	Y
13)	Polling off	Y
14)	Provide Local Information	Y

## DISPLAY TEXT (Table A.26.4)

		Allowed	Supported
1)	Numbers of characters displayed	0..160	0..160

## GET INKEY (Table A.26.5)

		Allowed	Supported
1)	Number of characters displayed as the text string.	0..160	0..160
2)	Input of digits 0-9, +, *, #	N/A	N/A
3)	Input of characters other than 0-9, +, *, #	Default alphabet defined in 3GPP TS 03.38 6.2.1 with 0-9, +, *, # excluded.	

## GET INPUT (Table A.26.6)

		Allowed	Supported
1)	Number of characters displayed as the text string.	0..160	0..160
2)	Input of digits 0-9, +, *, #	N/A	N/A
3)	Input of characters other than 0-9, +, *, #	Default alphabet defined in 3GPP TS 03.38 6.2.1 with 0-9, +, *, # excluded.	

## PLAY TONE (Table A.26.7)

		Allowed	Supported
1)	Alpha identifier supported	1..241	1..241

## POLL INTERVAL (Table A.26.8)

		Allowed	Supported
1)	Maximum poll interval	0.1 s..255 min	1..241
2)	Minimum poll interval	0.1 s..255 min	1..241

## REFRESH (Table A.26.9)

1)	Additional Efs read to those specified in SIM Initialisation	N
----	--	---

## SET UP MENU (Table A.26.10)

		Allowed	Supported
1)	Alpha identifier supported	1..238	1..241
2)	Number of characters displayed as text string of item	1..240	1..241

## SELECT ITEM (Table A.26.11)

		Allowed	Supported
1)	Alpha identifier supported	1..238	1..238
2)	Number of characters displayed as text string of item	1..240	1..240

## SEND SHORT MESSAGE (Table A.26.12)

		Allowed	Supported
1)	Alpha identifier supported	1..X	1..X

## SEND SS (Table A.26.13)

		Allowed	Supported
1)	Alpha identifier supported	1..X	1..X

## SET UP CALL (Table A.26.14)

		Allowed	Supported
1)	Alpha identifier supported	1..240	1..240
2)	Subaddress	N/A	
3)	At least one autocalling feature	N/A	

## DATA DOWNLOAD (Table A.26.15)

1)	The SIMPLE-TLV Address used in BER-TLV ENVELOPE for SMS-PP Down-load	N
----	--	---

## CALL CONTROL (Table A.26.16)

1)	SIMPLE-TLV „Called Party Subaddress“ used in BER-TLV ENVELOPE	N
2)	Emergency Call Codes (ECC)	N
3)	Fixed Number Dialling	N

**Power Supply**

Nominal battery voltage	3.7 V
Maximal testing voltage	4.5 V
Minimal testing voltage	3.4 V

Receiver Intermediate Frequencies	GSM 900		GSM 1800		GSM 1900	
F <sub>lo</sub> – Local Oscillator frequency applied to first receiver mixer		MHz		MHz	N/A	MHz
IF <sub>1</sub> – First intermediate frequency	0.1	MHz	0.1	MHz	N/A	MHz
IF <sub>2</sub> – First intermediate frequency	N/A	MHz	N/A	MHz	N/A	MHz
IF <sub>3</sub> – First intermediate frequency	N/A	MHz	N/A	MHz	N/A	MHz

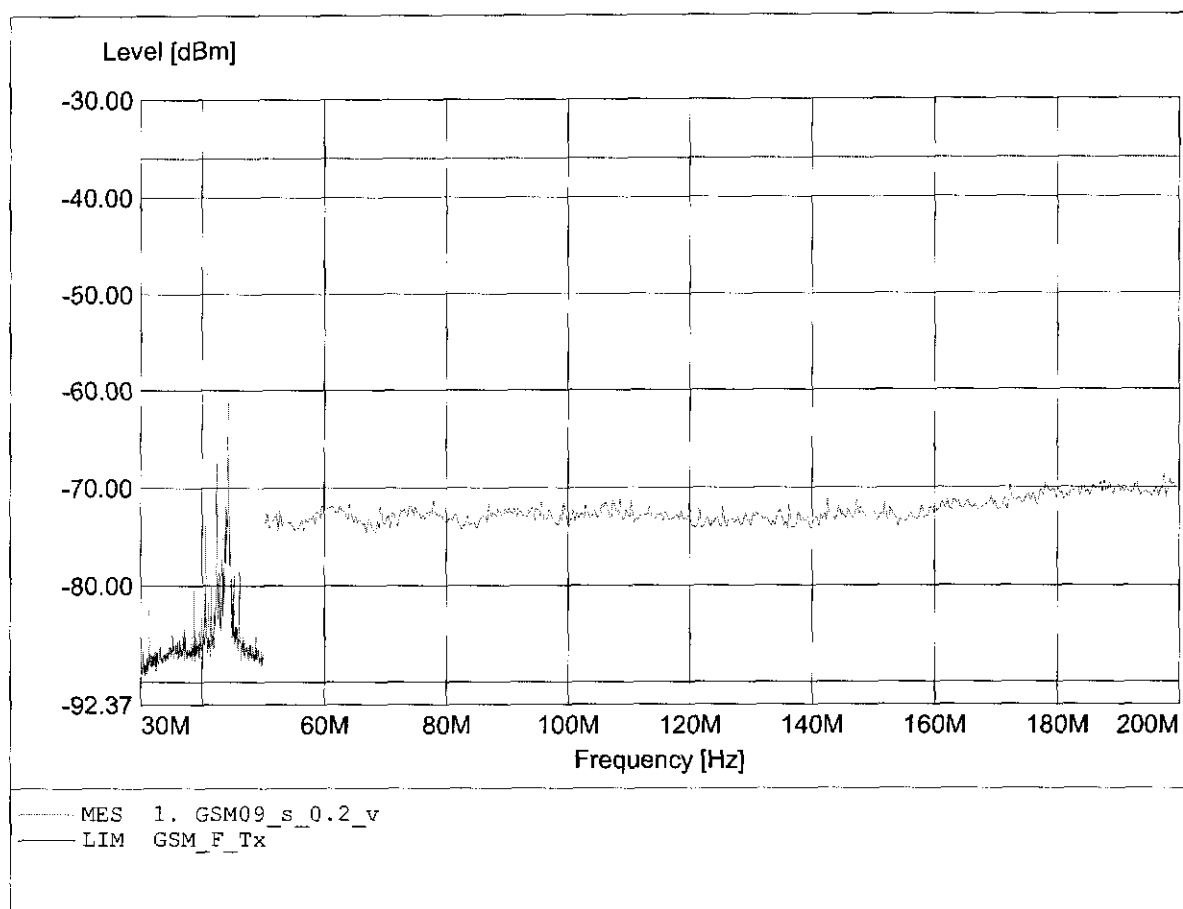
Additional Information	Support
Controlled Early Classmark Sending	Y
Round Trip Delay for loop C	value: 1

**Annex III:** Measurement diagrams

# Radiated spurious emissions-MS allocated ARFCN 62

## EGSM 900 (Fully anechoic chamber)

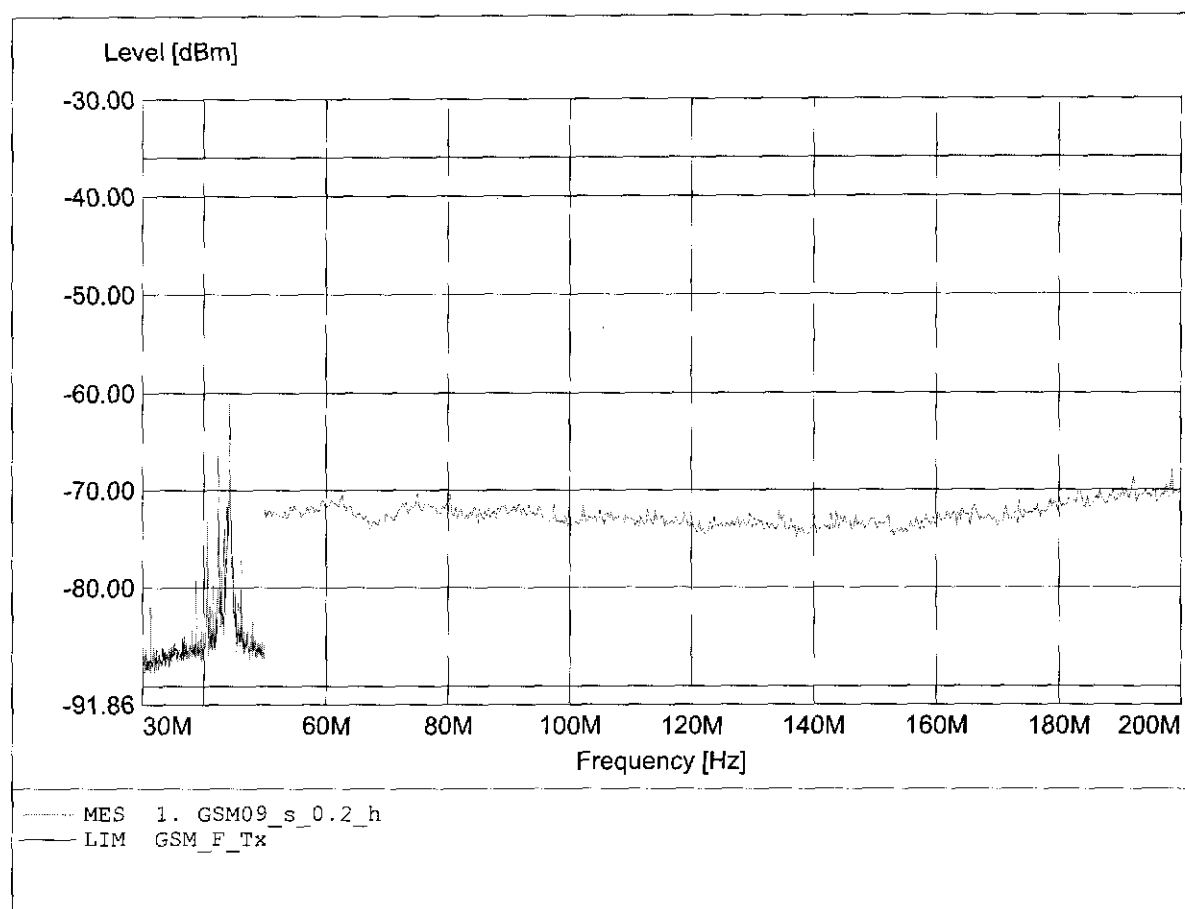
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq:44.269MHz Pmax:-61.26 RBW:10/100KHz



# Radiated spurious emissions-MS allocated ARFCN 62

## EGSM 900 (Fully anechoic chamber)

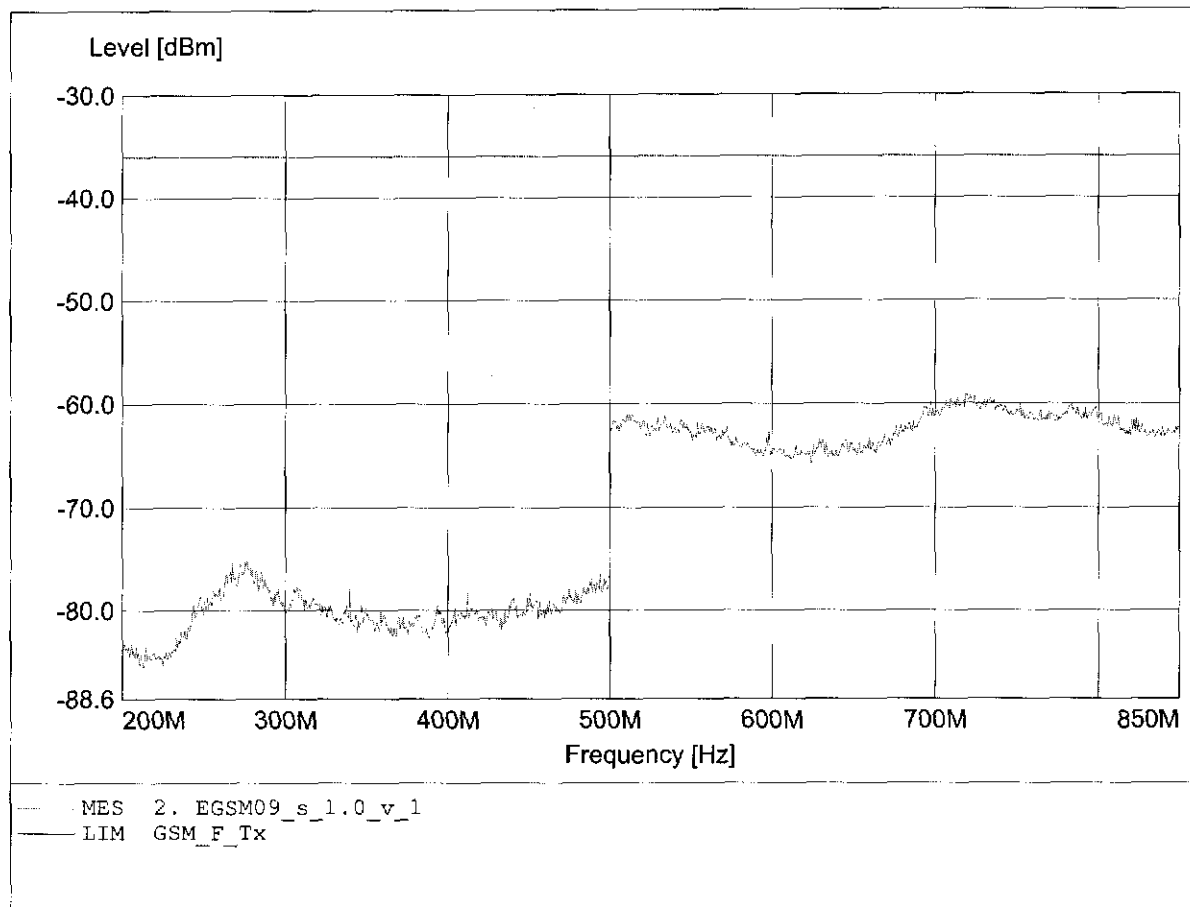
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq:44.269MHz Pmax:-60.28 RBW:10/100KHz



# Radiated spurious emissions-MS allocated ARFCN 62

## EGSM 900 (Fully anechoic chamber)

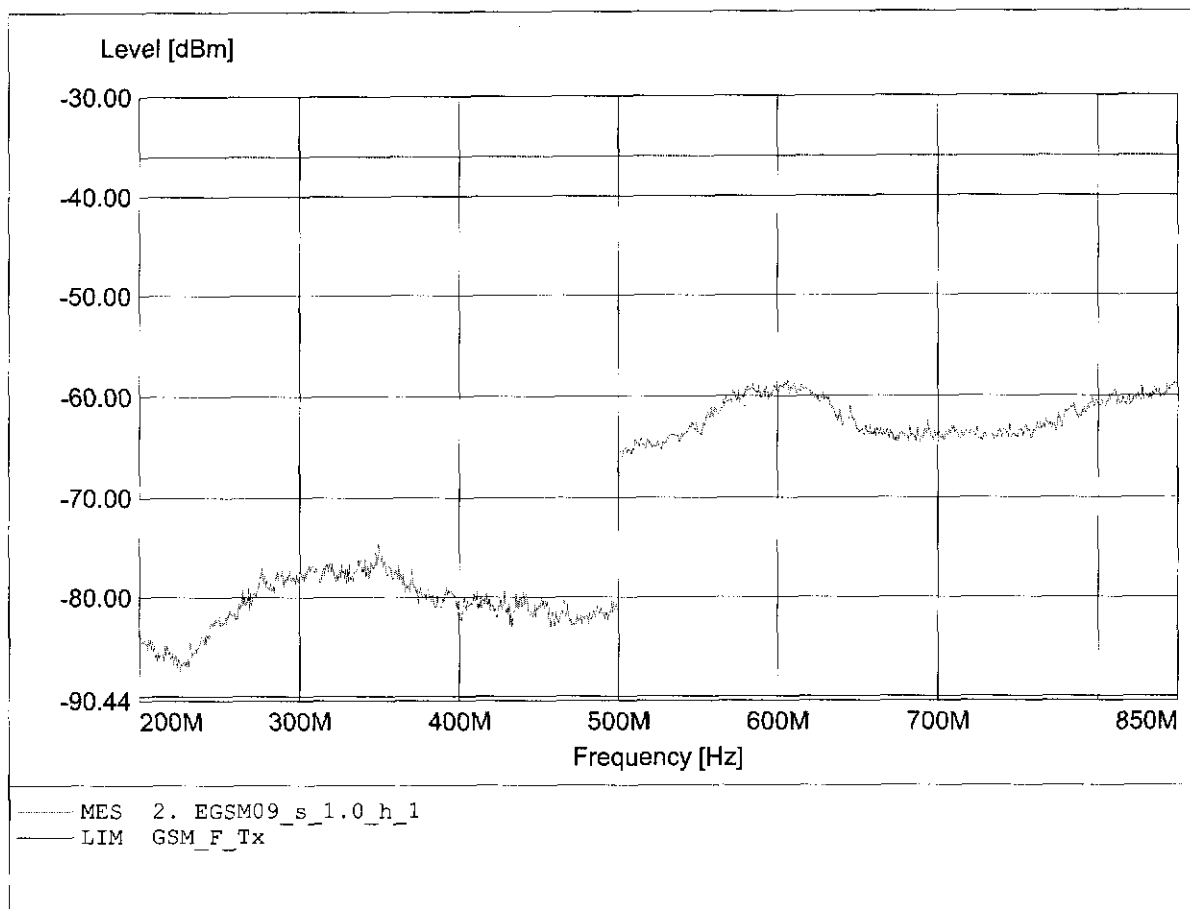
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 223, Ampl.:0.2-1GHz,notch-f.  
Comment 2: Freq:718.136MHz Pmax:-59.10 RBW:0.1/3MHz



# Radiated spurious emissions-MS allocated ARFCN 62

## EGSM 900 (Fully anechoic chamber)

EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 223, Ampl.:0.2-1GHz,notch-f.  
Comment 2: Freq:606.613MHz Pmax:-58.51 RBW:0.1/3MHz

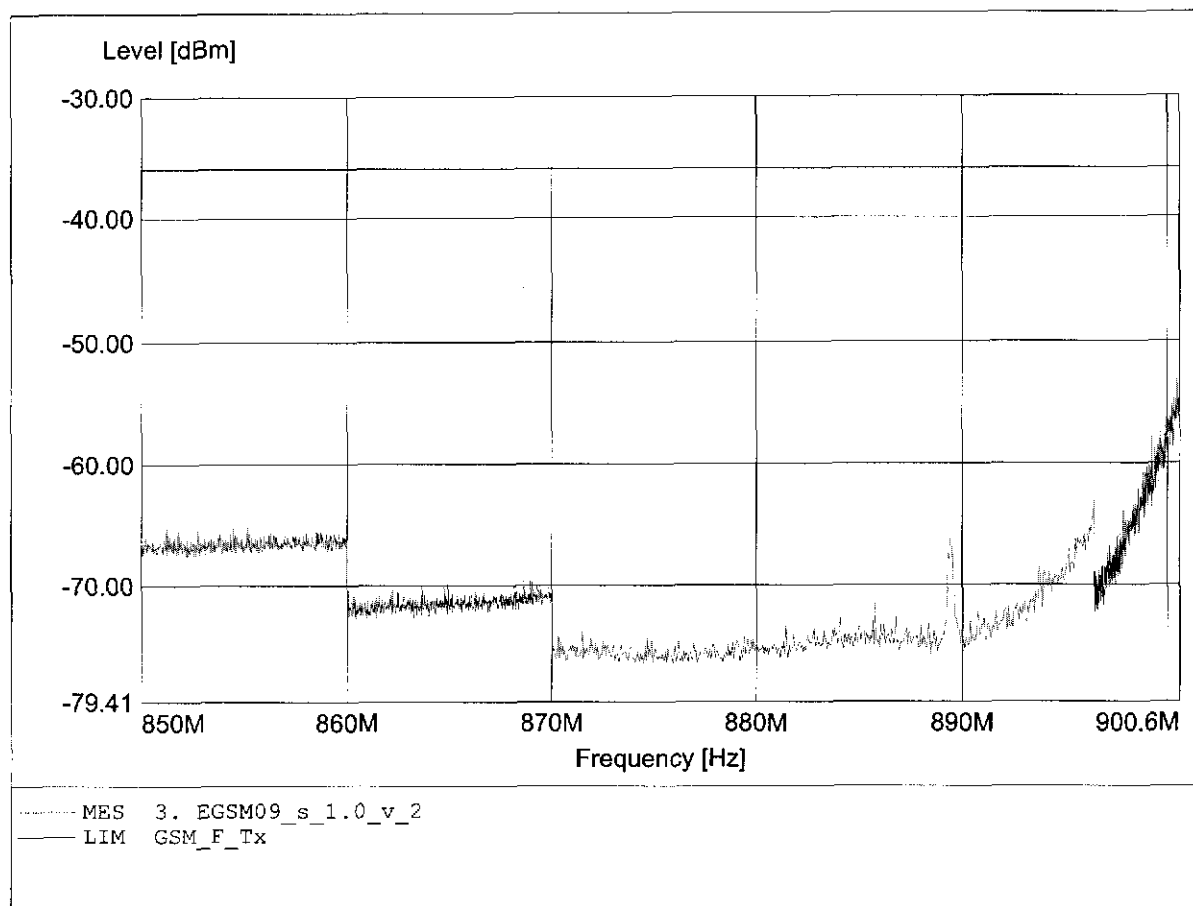




# **Radiated spurious emissions-MS allocated ARFCN 62**

## **EGSM 900 (Fully anechoic chamber)**

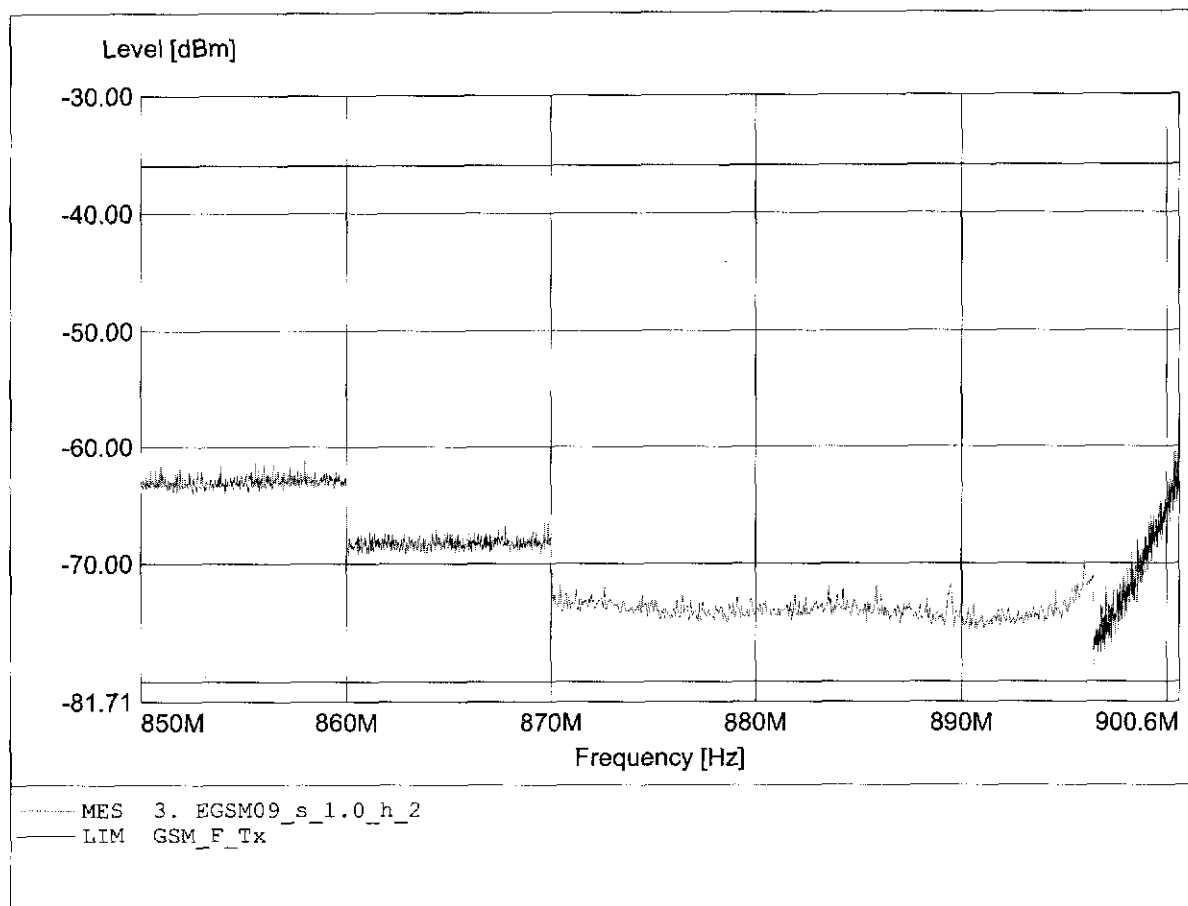
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 223, Ampl.:0.2-1GHz,notch-f.  
Comment 2: Freq:900.482MHz Pmax:-53.06 RBW:1MHz to 30KHz



# Radiated spurious emissions-MS allocated ARFCN 62

## EGSM 900 (Fully anechoic chamber)

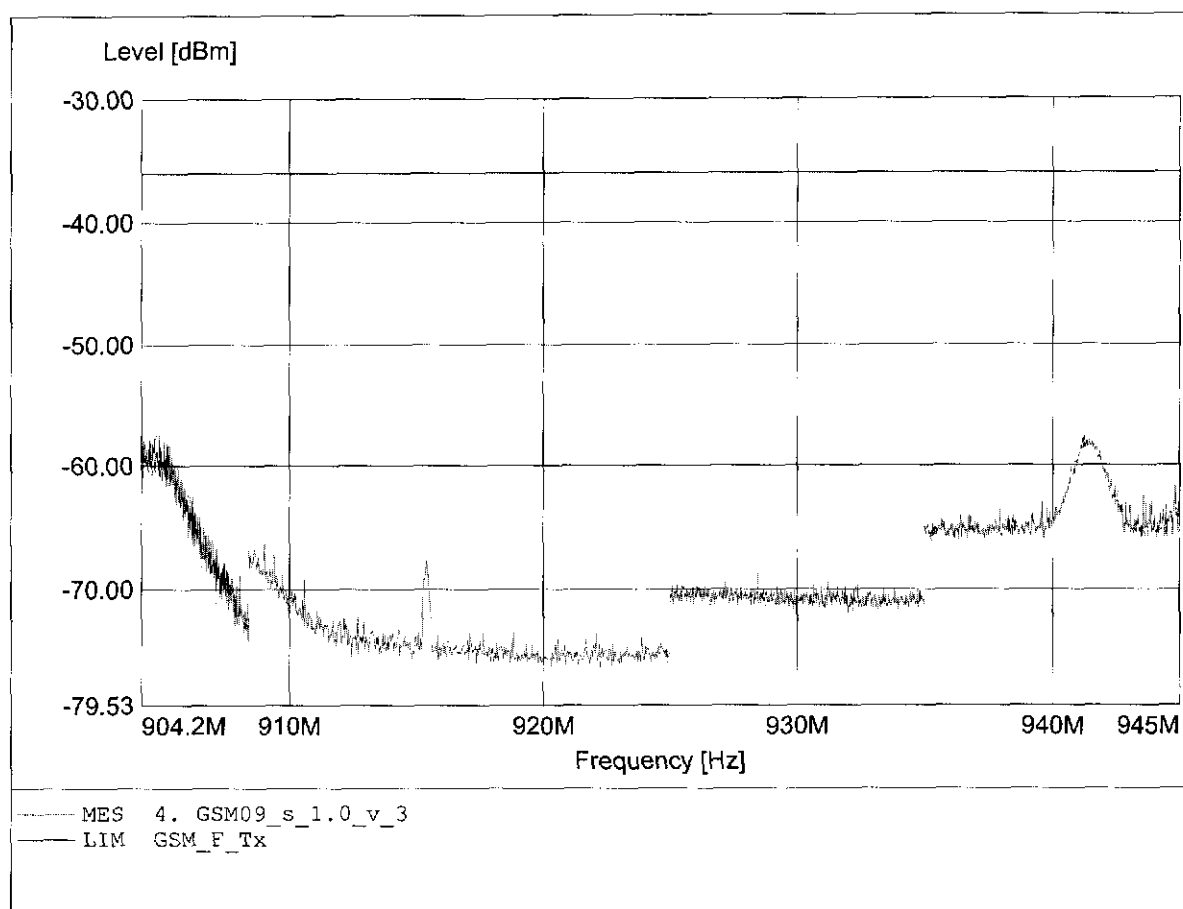
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 223, Ampl.:0.2-1GHz,notch-f.  
Comment 2: Freq:900.364MHz Pmax:-60.29 RBW:1MHz to 30KHz



# **Radiated spurious emissions-MS allocated ARFCN 62**

## **EGSM 900 (Fully anechoic chamber)**

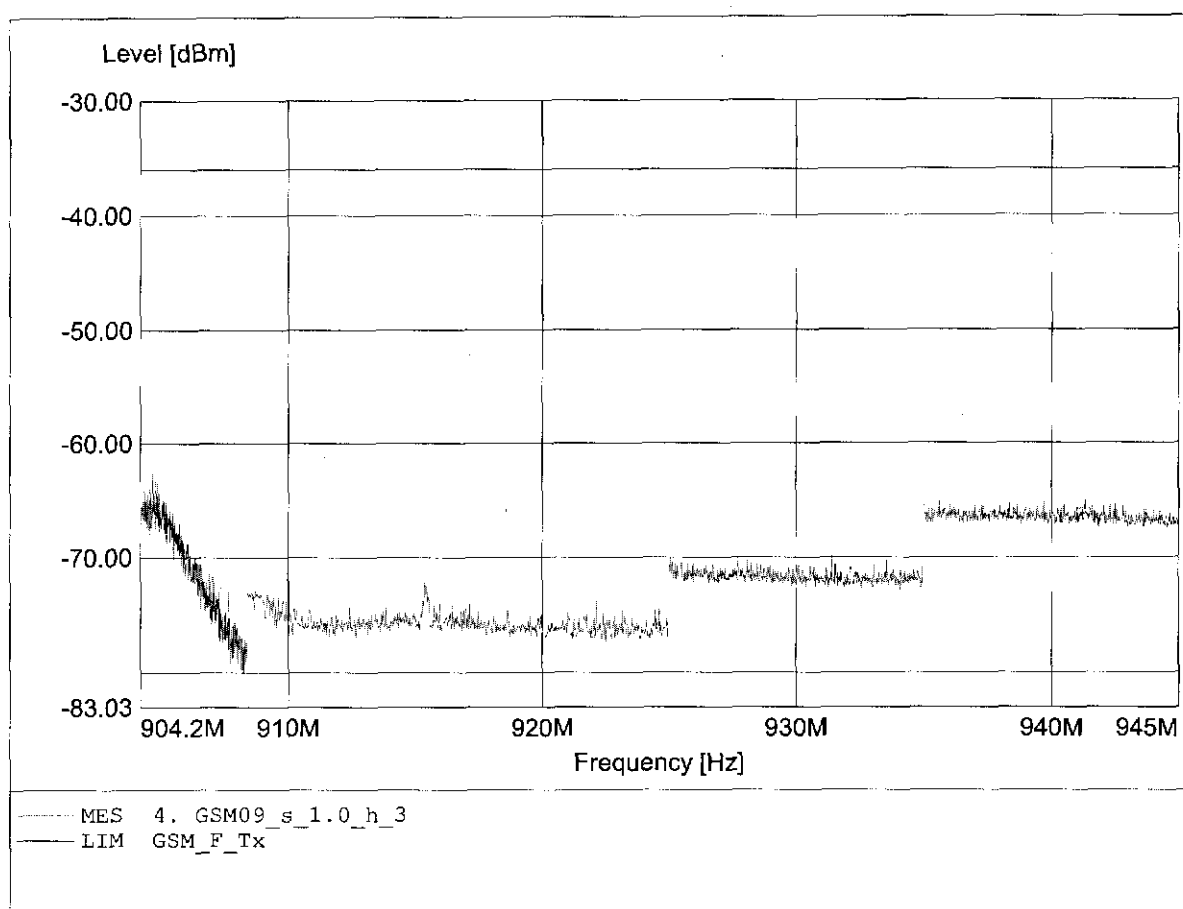
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 223, Ampl.:0.2-1GHz,notch-f.  
Comment 2: Freq:904.772MHz Pmax:-56.88 RBW:30KHz to 1MHz



# Radiated spurious emissions-MS allocated ARFCN 62

## EGSM 900 (Fully anechoic chamber)

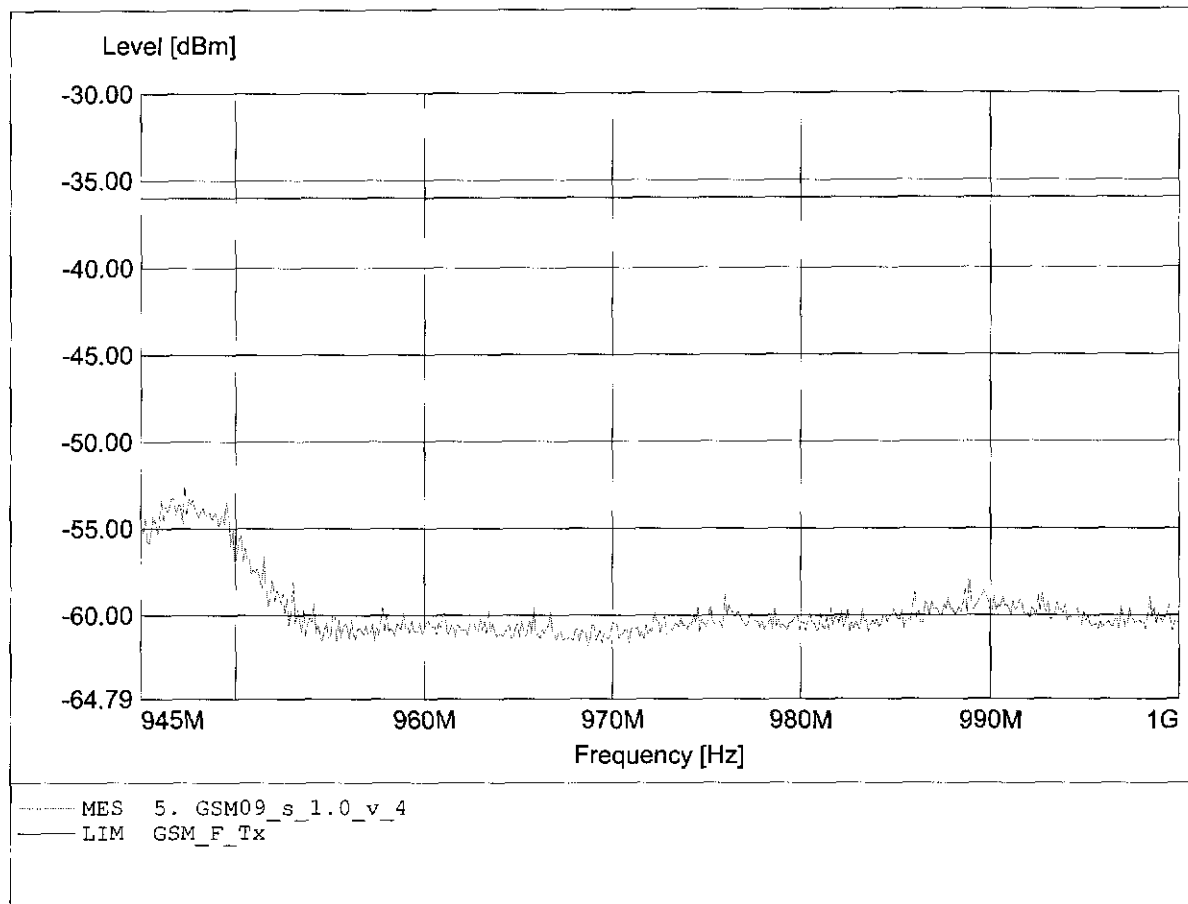
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 223, Ampl.:0.2-1GHz,notch-f.  
Comment 2: Freq:904.688MHz Pmax:-62.63 RBW:30KHz to 1MHz



# Radiated spurious emissions-MS allocated ARFCN 62

## EGSM 900 (Fully anechoic chamber)

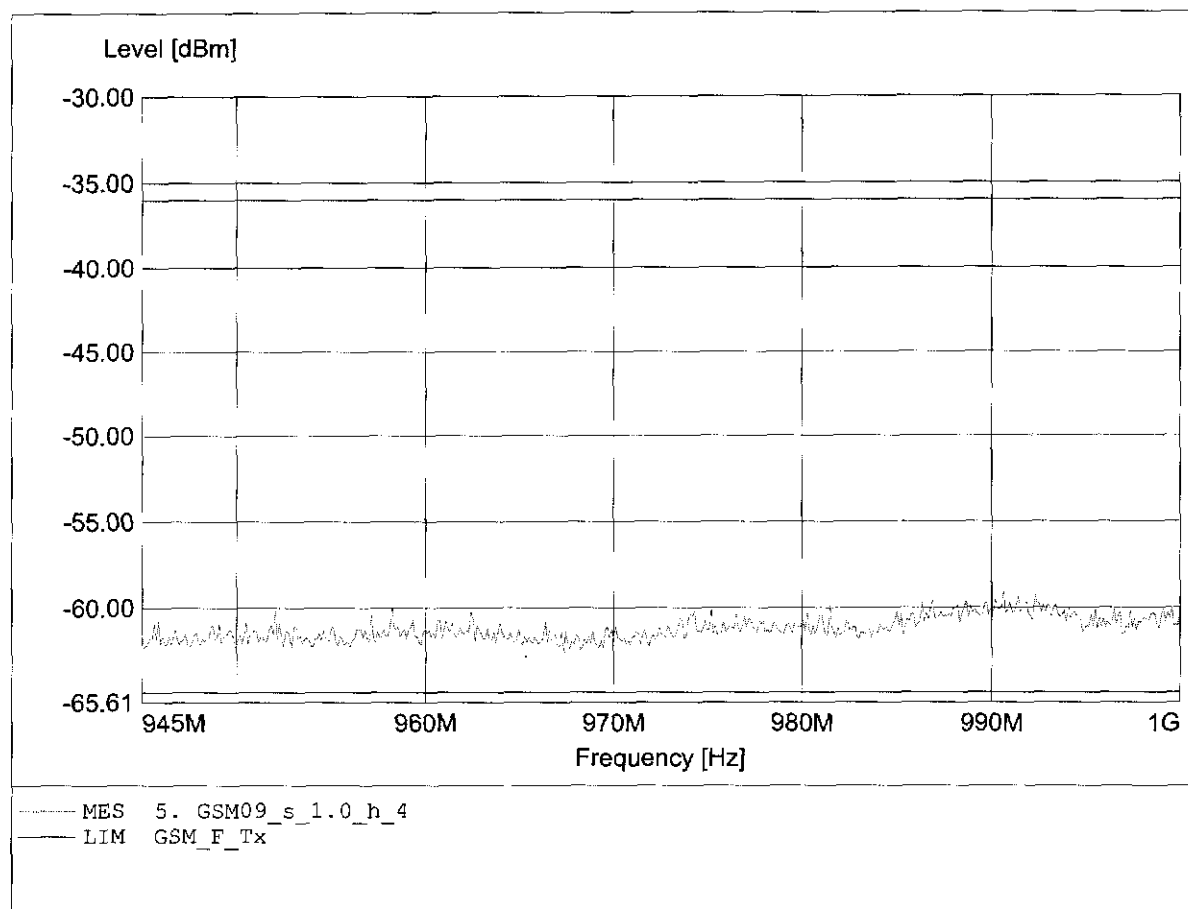
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 223, Ampl.:0.2-1GHz,notch-f.  
Comment 2: Freq:947.315MHz Pmax:-52.59 RBW:3MHz



# Radiated spurious emissions-MS allocated ARFCN 62

## EGSM 900 (Fully anechoic chamber)

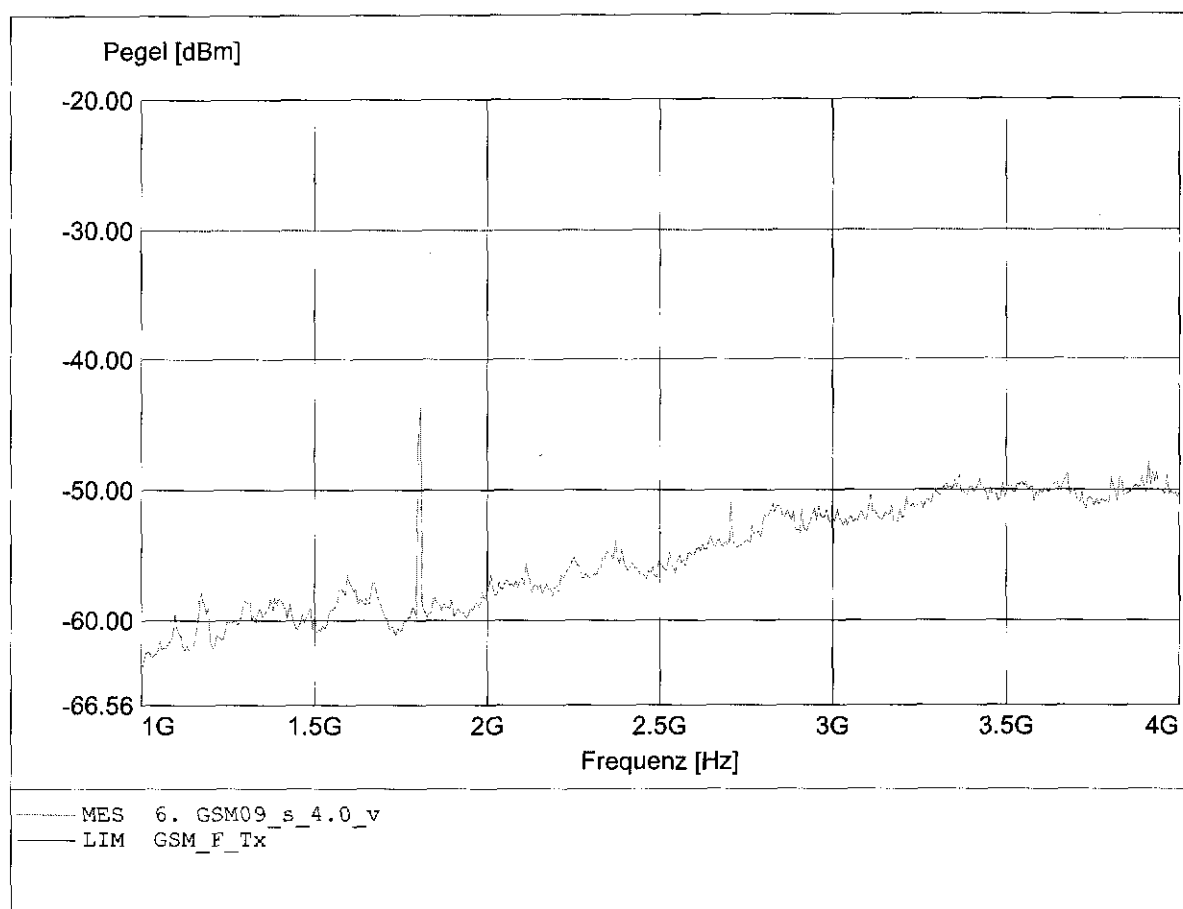
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 223, Ampl.:0.2-1GHz,notch-f.  
Comment 2: Freq:990.631MHz Pmax:-59.00 RBW:3MHz



# **Radiated spurious emissions-MS allocated ARFCN 62**

## **EGSM 900 (Fully anechoic chamber)**

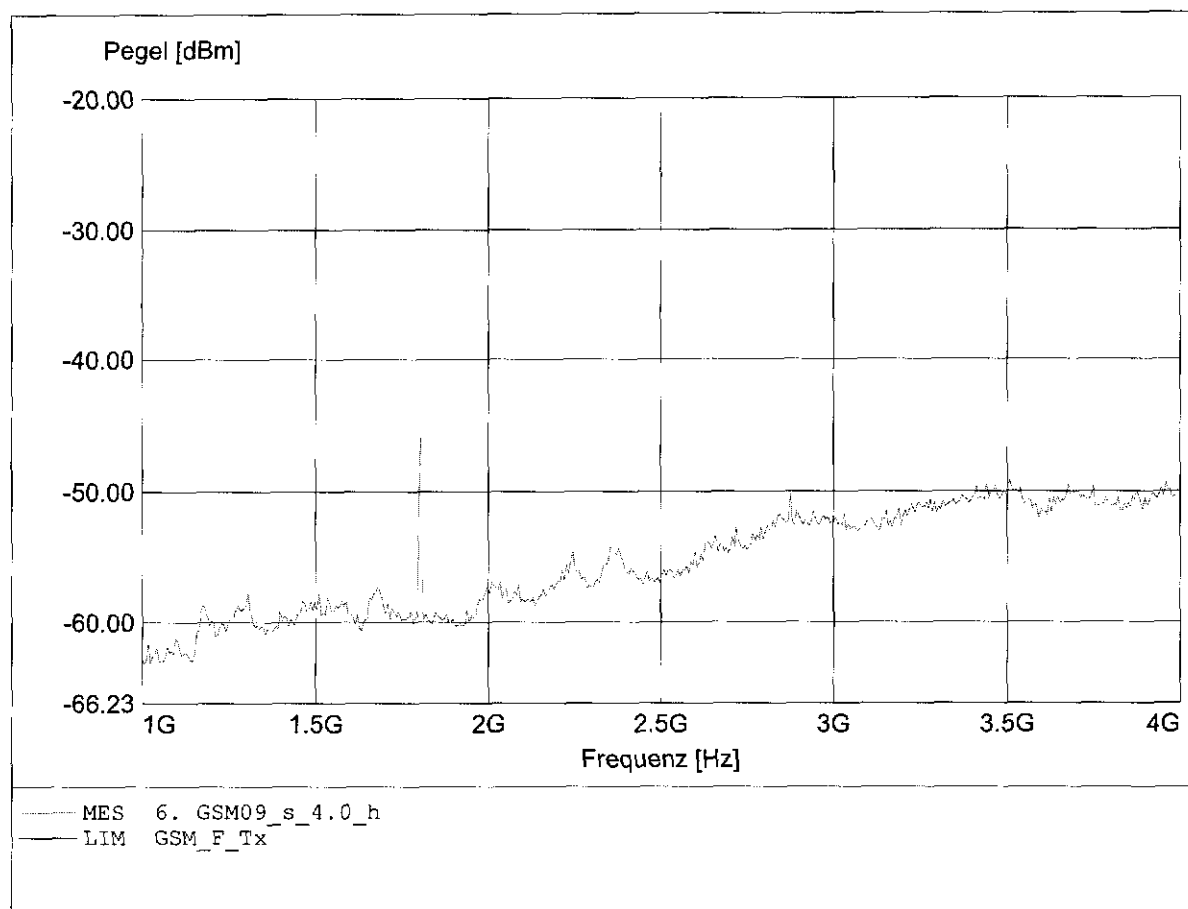
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz, High Pass  
Comment 2: Freq:1.806GHz Pmax:-43.73 RBW:3MHz



# Radiated spurious emissions-MS allocated ARFCN 62

## EGSM 900 (Fully anechoic chamber)

EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz, High Pass  
Comment 2: Freq:1.806GHz Pmax:-45.48 RBW:3MHz

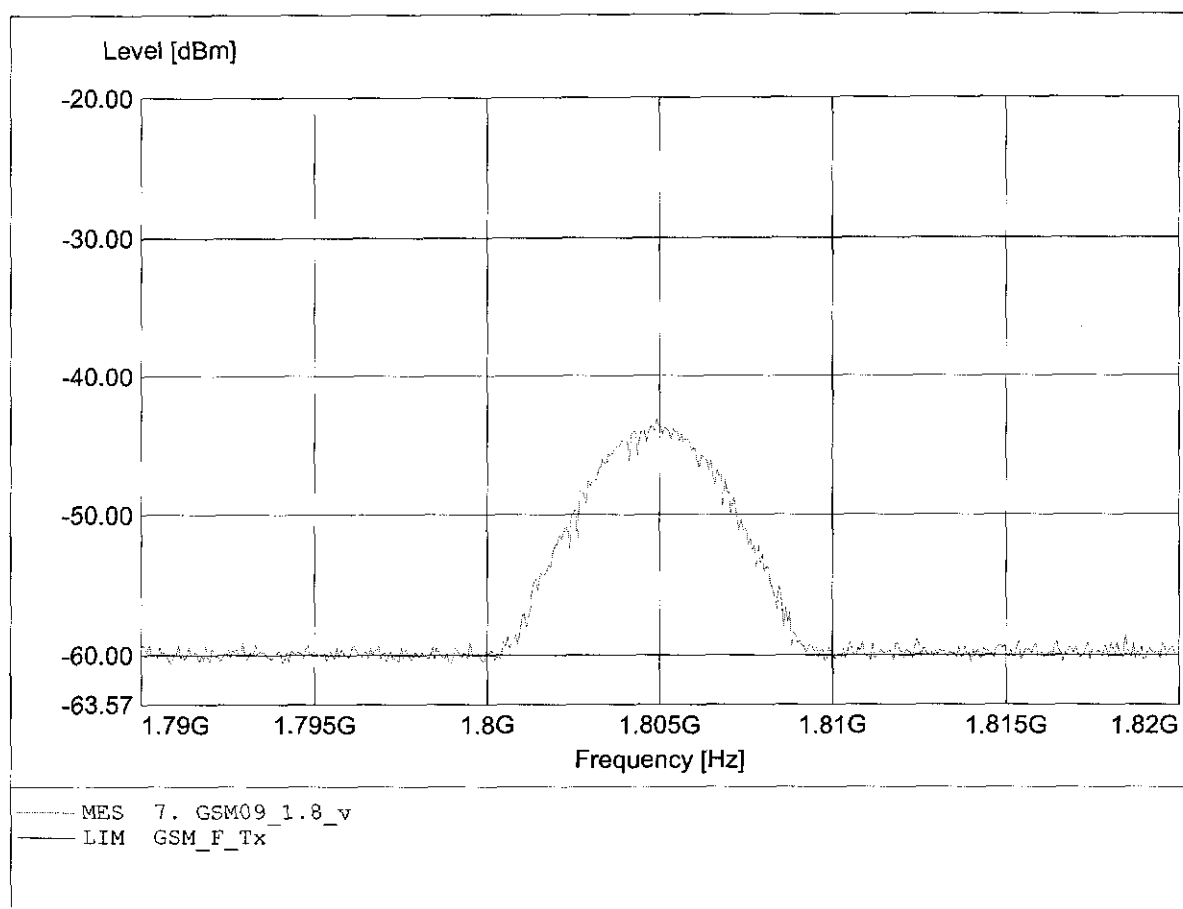




## 2.Harmonic-MS allocated channel 62

### EGSM 900 (Fully anechoic chamber)

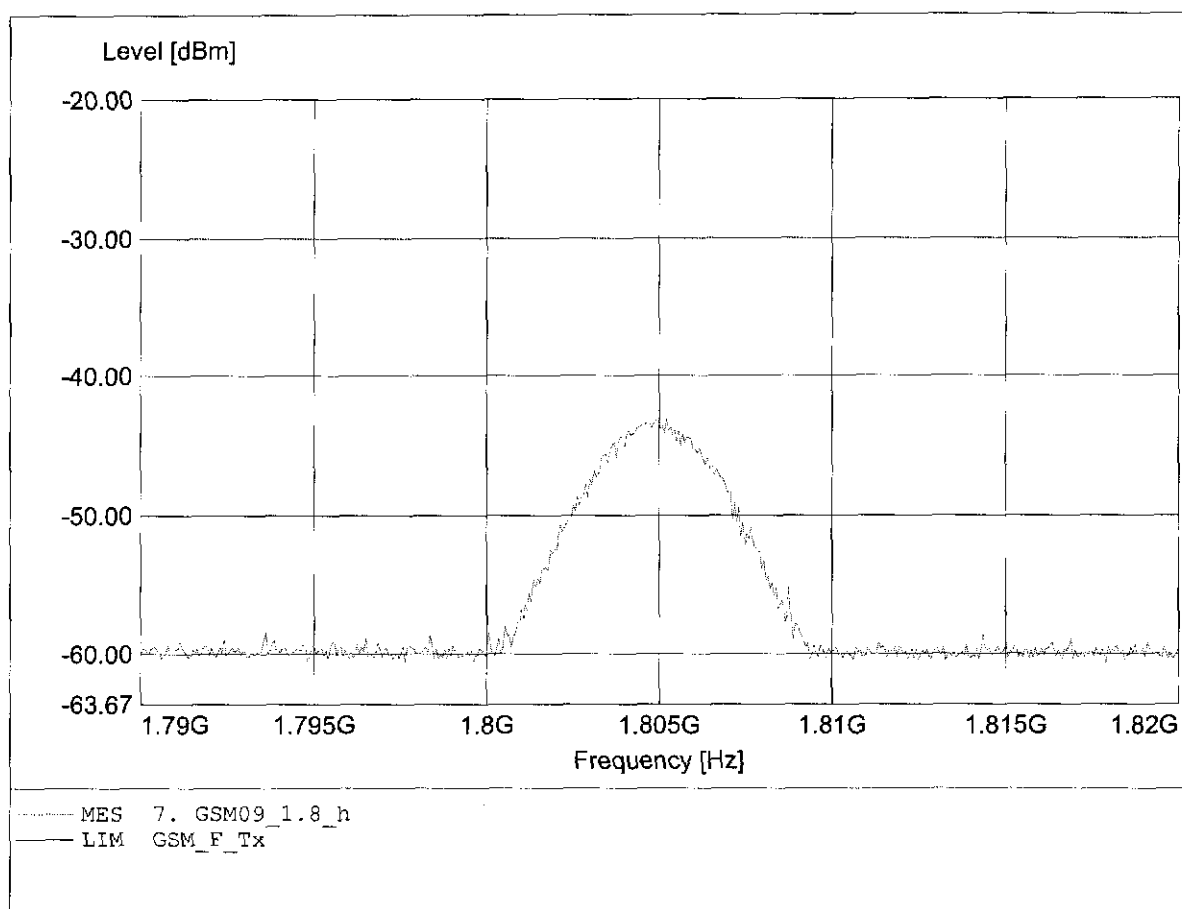
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz, High Pass  
Comment 2: Freq:1.805GHz Pmax:-43.19 RBW:3MHz



## 2.Harmonic-MS allocated channel 62

### EGSM 900 (Fully anechoic chamber)

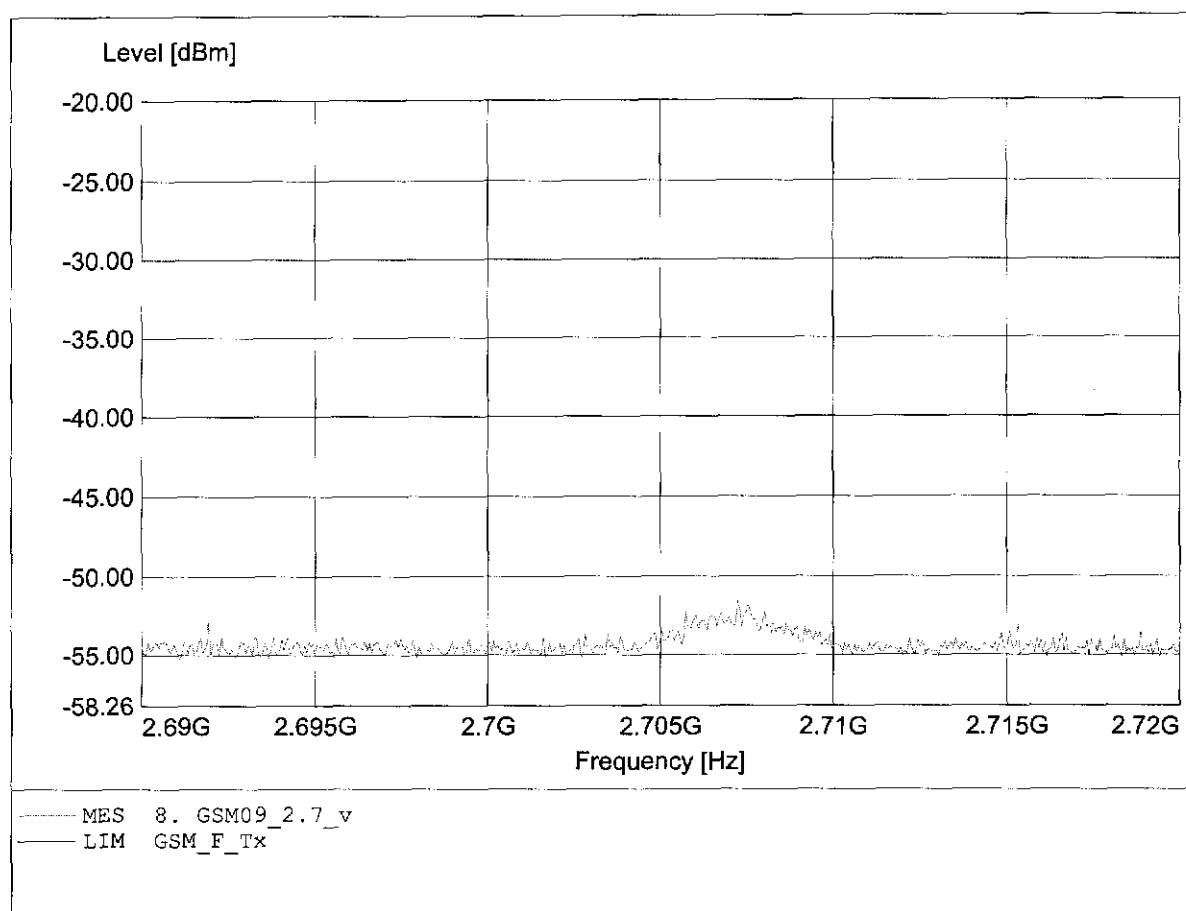
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz, High Pass  
Comment 2: Freq:1.805GHz Pmax:-43.14 RBW:3MHz



### 3.Harmonic-MS allocated channel 62

#### EGSM 900 (Fully anechoic chamber)

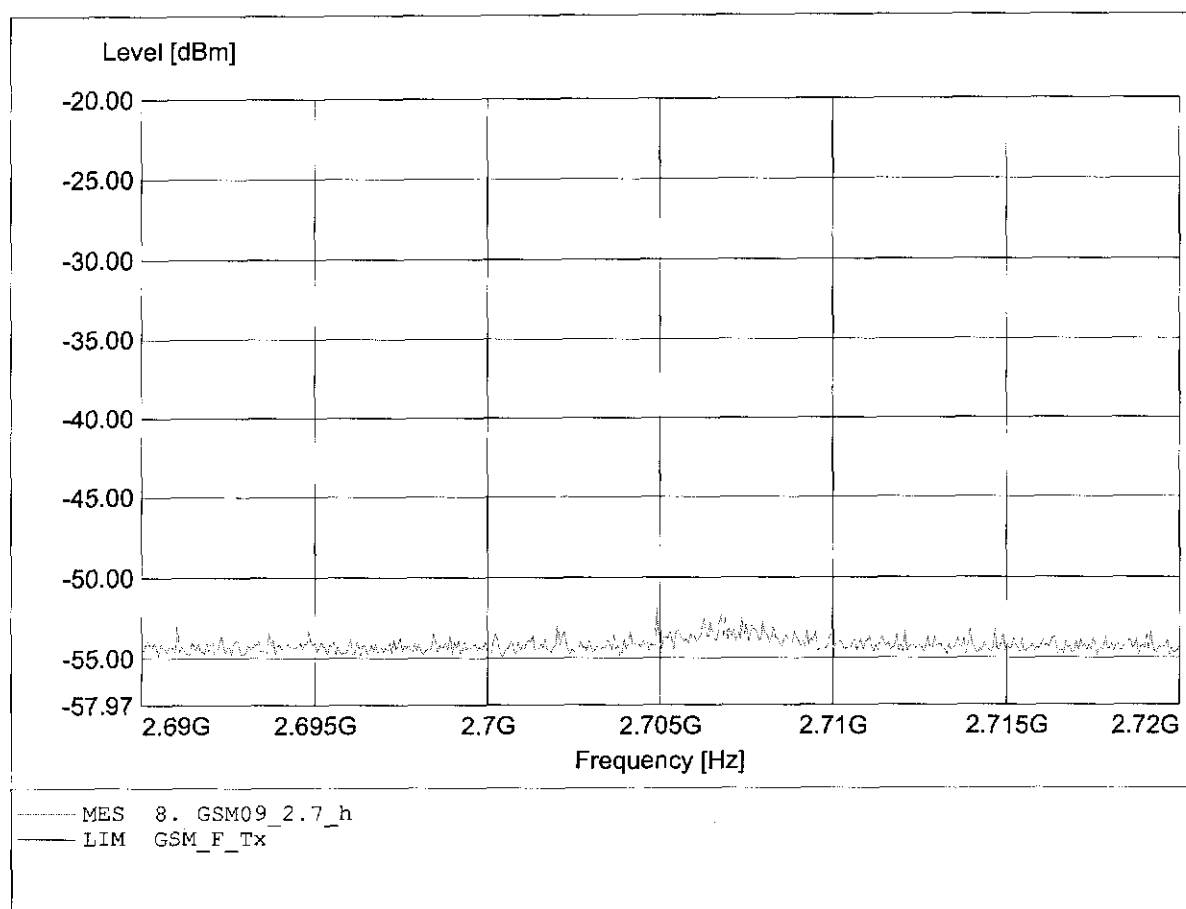
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz, High Pass  
Comment 2: Freq:2.707GHz Pmax:-51.54 RBW:3MHz



### 3.Harmonic-MS allocated channel 62

#### EGSM 900 (Fully anechoic chamber)

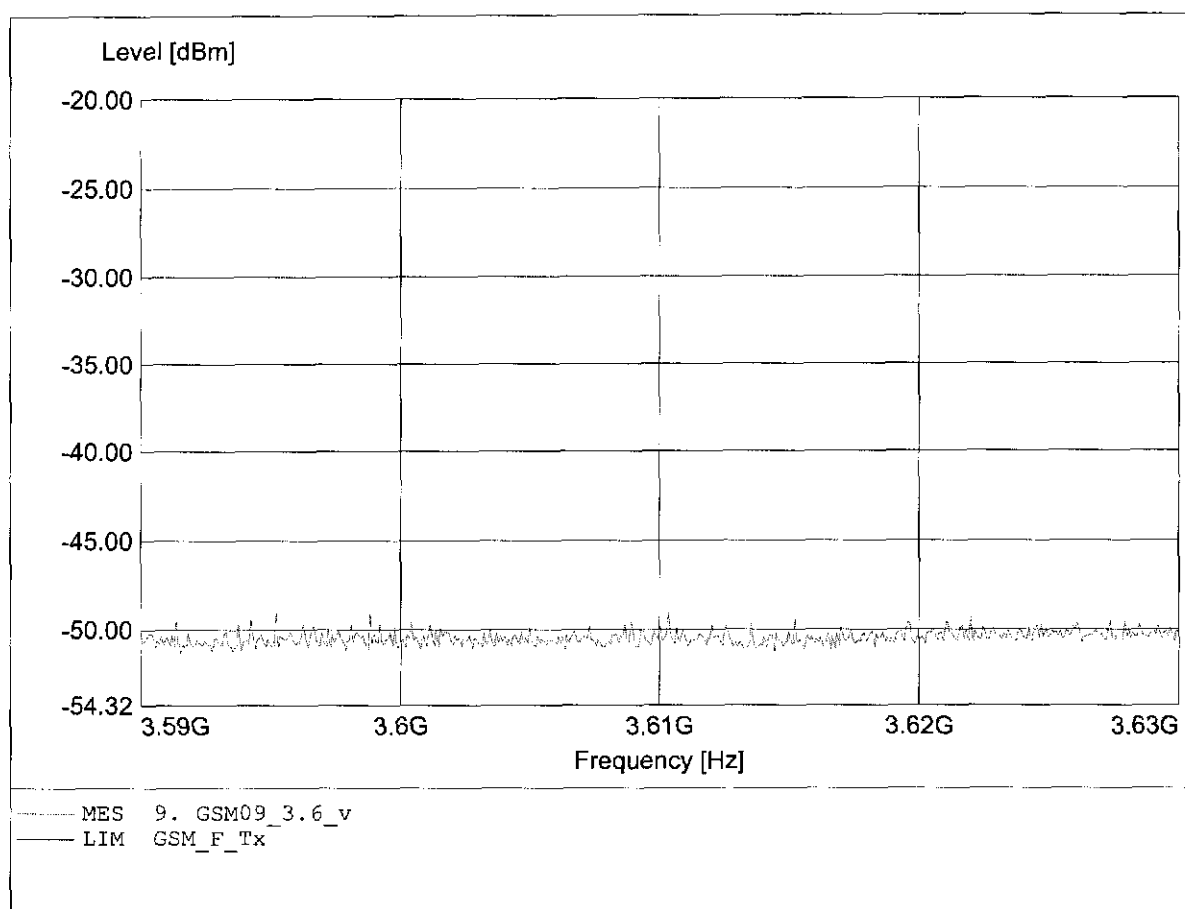
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz, High Pass  
Comment 2: Freq:2.705GHz Pmax:-51.89 RBW:3MHz



#### 4. Harmonic-MS allocated channel 62

##### EGSM 900 (Fully anechoic chamber)

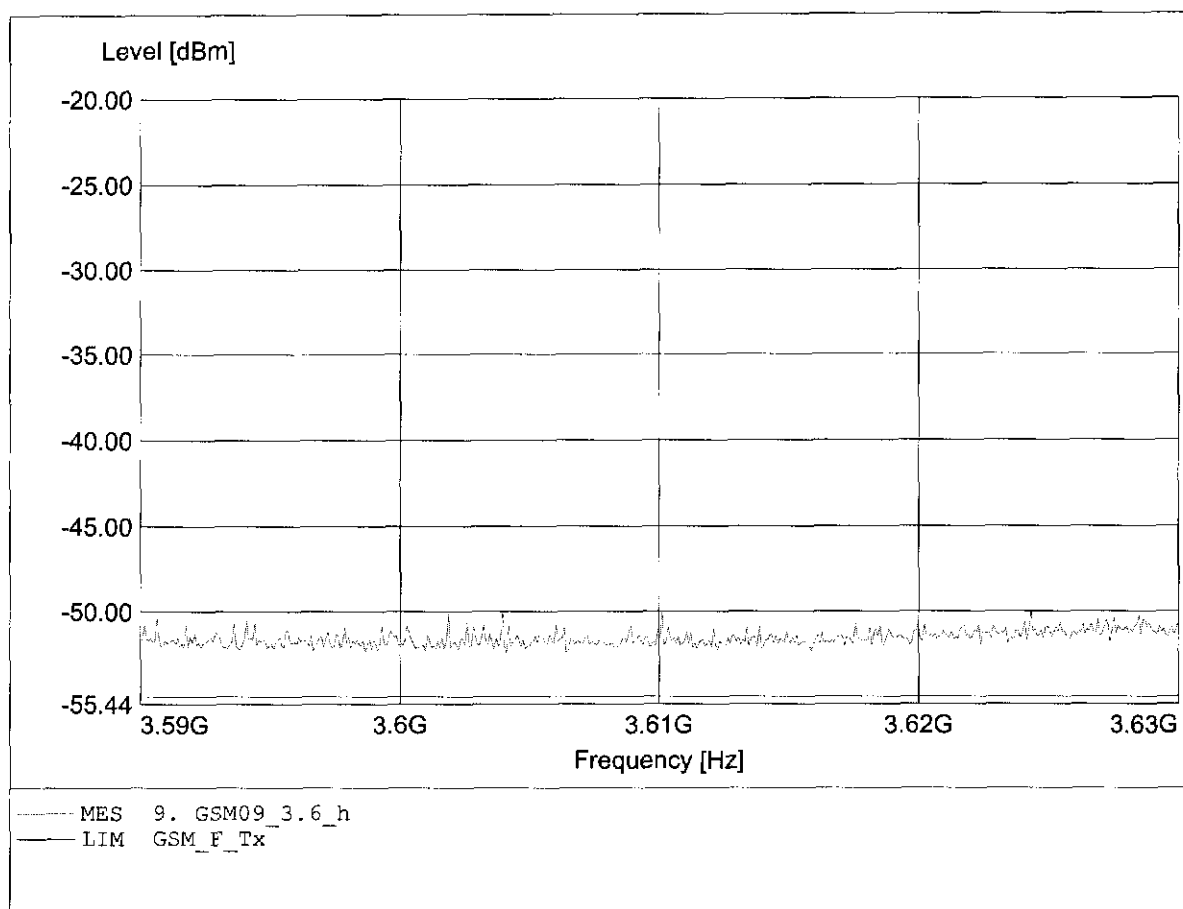
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.: 23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4GHz, High Pass  
Comment 2: Freq: 3.595GHz Pmax: -49.02 RBW: 3MHz



#### 4. Harmonic-MS allocated channel 62

##### EGSM 900 (Fully anechoic chamber)

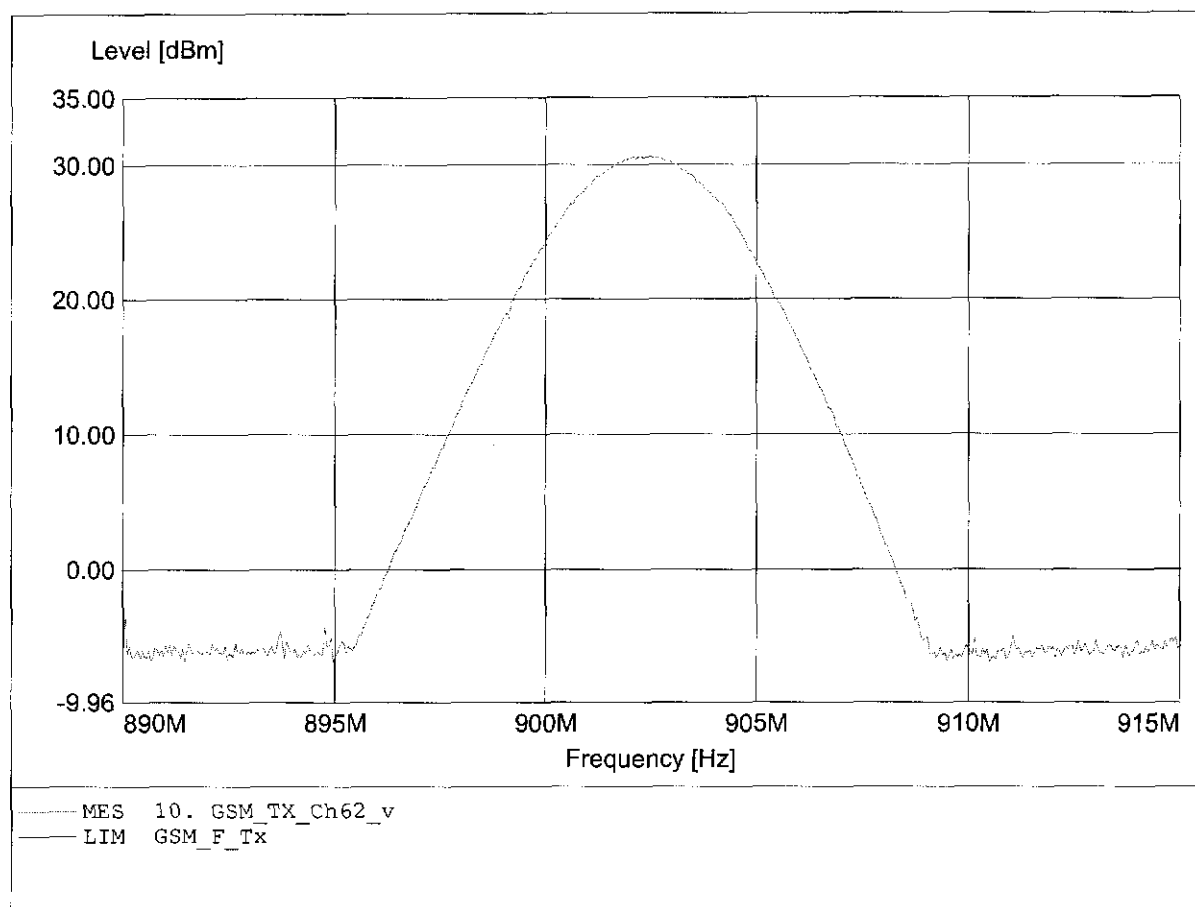
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.:1-4GHz, High Pass  
Comment 2: Freq:3.624GHz Pmax:-49.99 RBW:3MHz



# **Radiated TX Power-MS allocated ARFCN 62**

## **EGSM 900 (Fully anechoic chamber)**

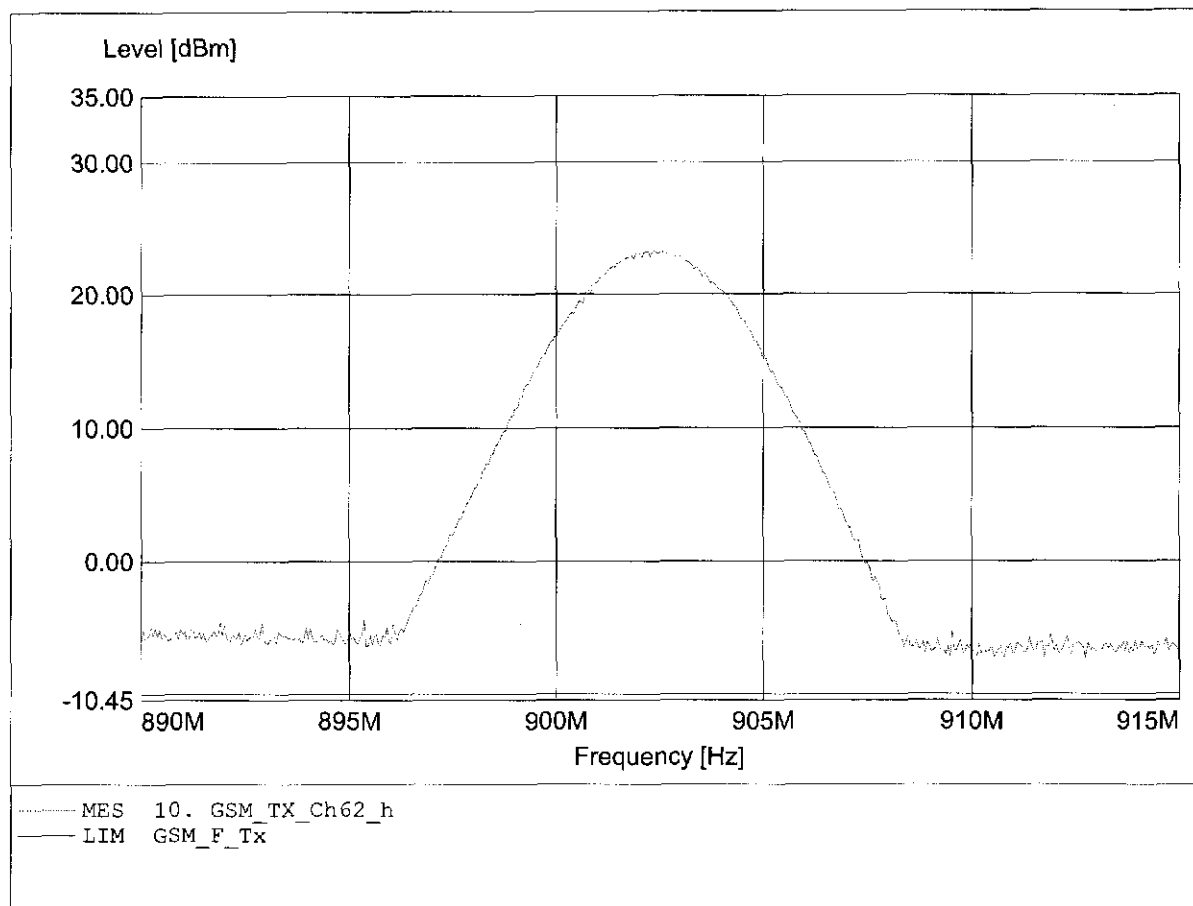
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: Power Control Level 5  
Comment 1: Dist.: 3m, Ant.: HL 223,  
Comment 2: Freq:902.275MHz Pmax:30.59 RBW:3MHz



# **Radiated TX Power-MS allocated ARFCN 62**

## **EGSM 900 (Fully anechoic chamber)**

EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: Power Control Level 5  
Comment 1: Dist.: 3m, Ant.: HL 223,  
Comment 2: Freq:902.325MHz Pmax:23.23 RBW:3MHz

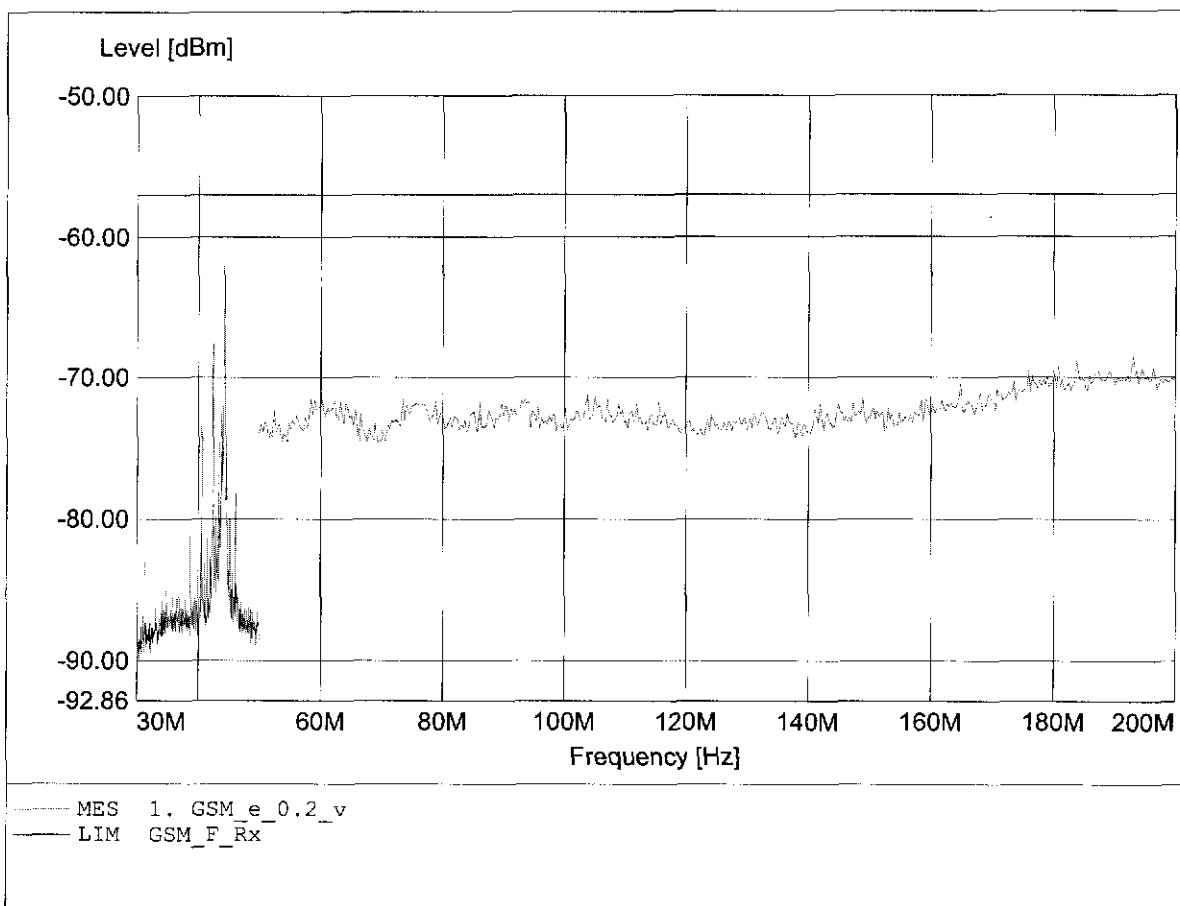




# **Radiated spurious emissions-MS in idle mode**

## **EGSM 900 (Fully anechoic chamber)**

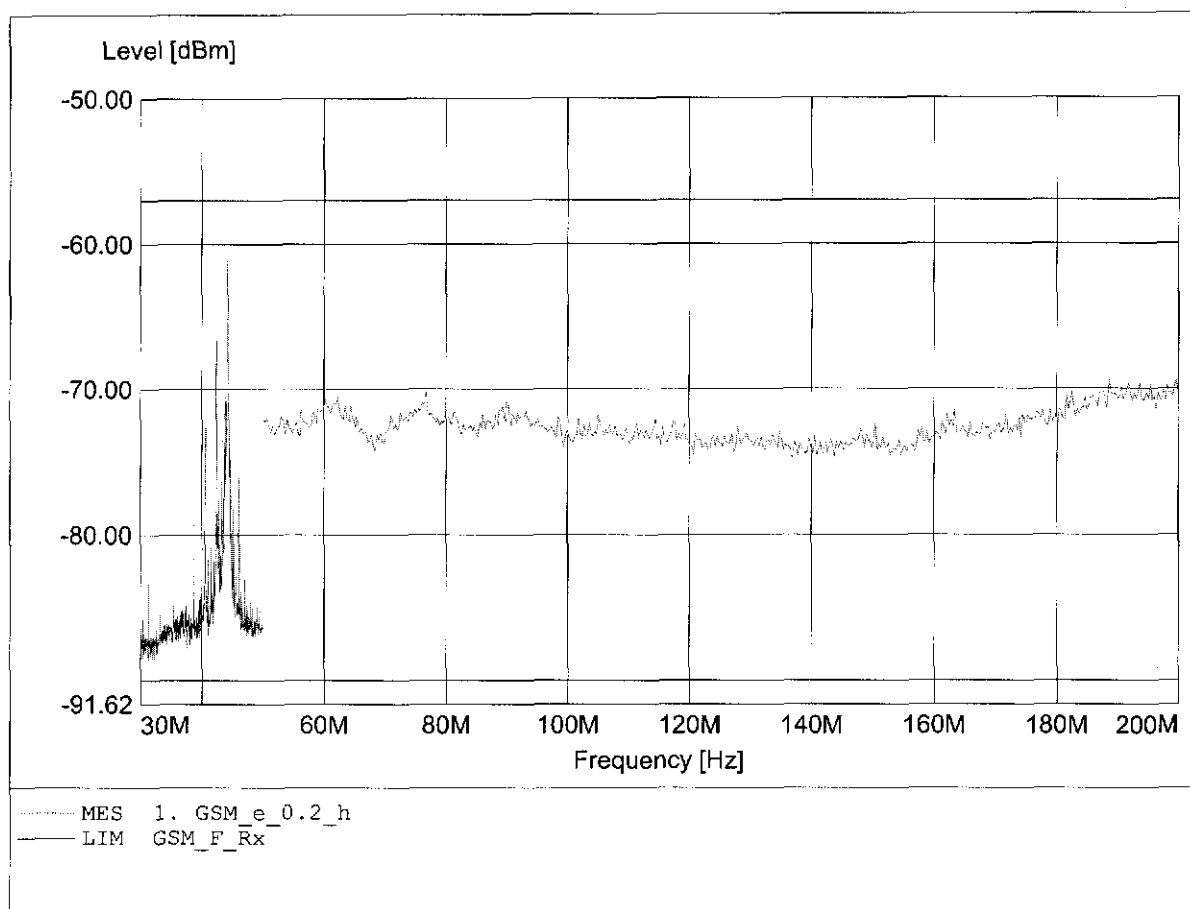
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.2  
Comment 1: Dist.: 3m, Ant.: HK 116, Ampl.: None  
Comment 2: Freq:44.269MHz Pmax:-60.98 RBW:10-100KHz



# Radiated spurious emissions-MS in idle mode

## EGSM 900 (Fully anechoic chamber)

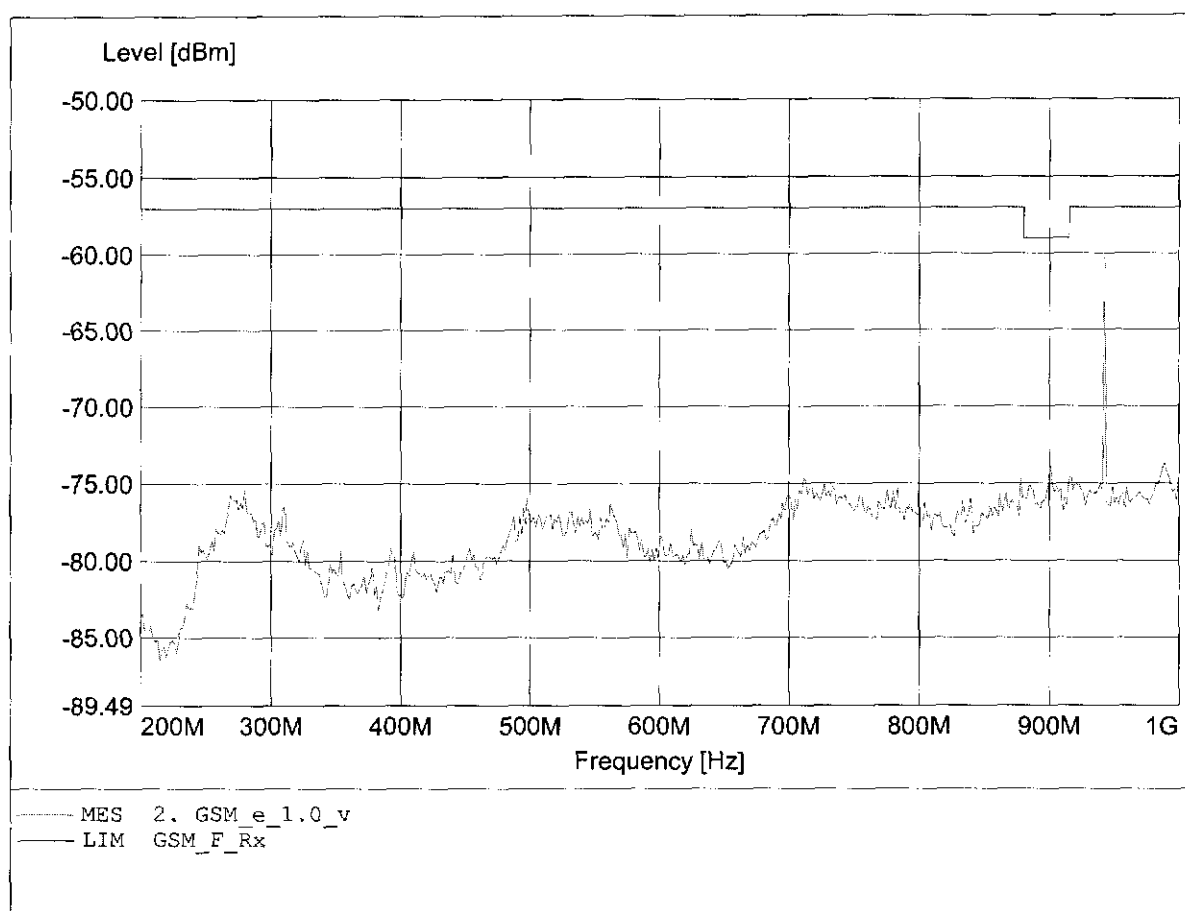
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.2  
Comment 1: Dist.: 3m, Ant.: HK 116, Ampl.: None  
Comment 2: Freq:44.269MHz Pmax:-60.22 RBW:10-100KHz



# **Radiated spurious emissions-MS in idle mode**

## **EGSM 900 (Fully anechoic chamber)**

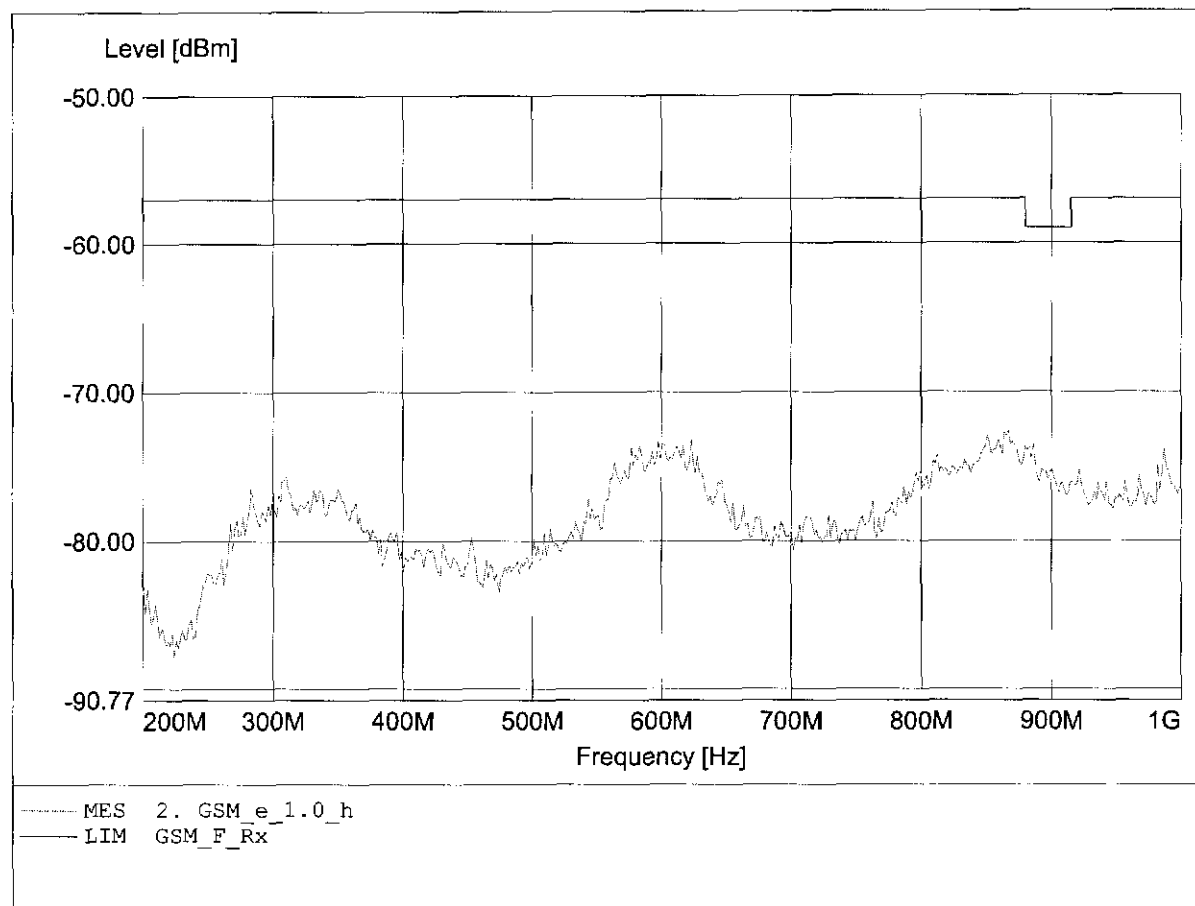
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.2  
Comment 1: Dist.: 3m, Ant.: H1 223, Ampl.: 0.2-1GHz  
Comment 2: Freq:942.285MHz Pmax:-60.15 RBW:100KHz



# Radiated spurious emissions-MS in idle mode

## EGSM 900 (Fully anechoic chamber)

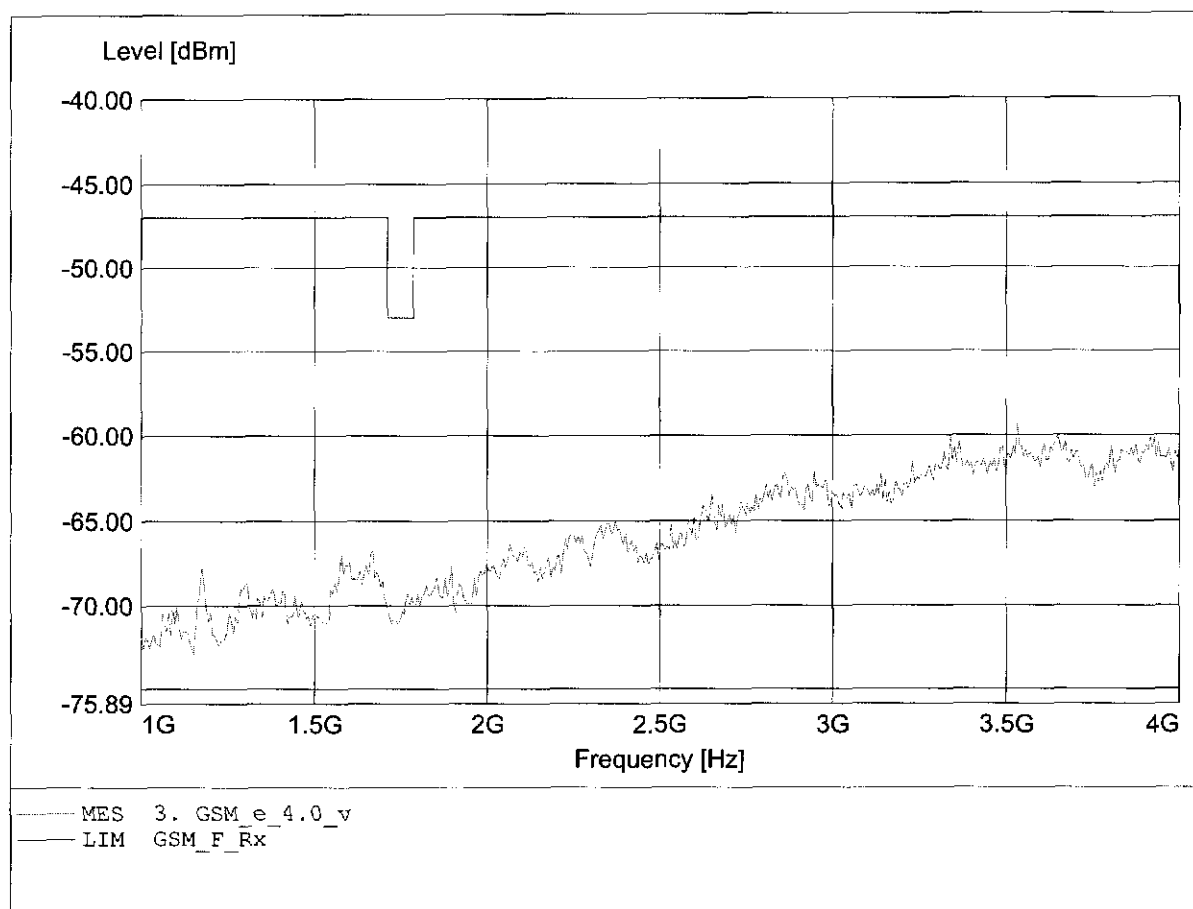
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.2  
Comment 1: Dist.: 3m, Ant.: H1 223, Ampl.: 0.2-1GHz  
Comment 2: Freq:866.934MHz Pmax:-72.66 RBW:100KHz



# Radiated spurious emissions-MS in idle mode

## EGSM 900 (Fully anechoic chamber)

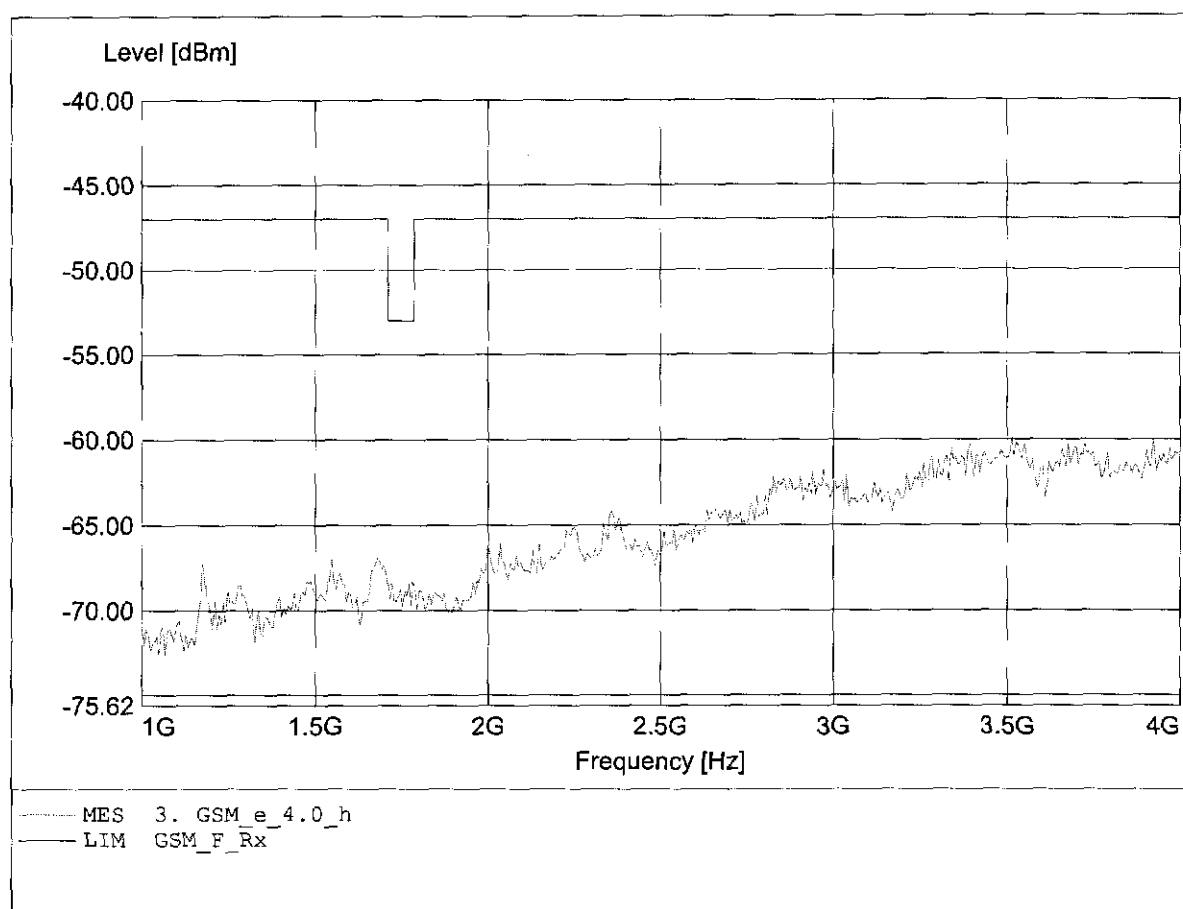
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.2  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4GHz  
Comment 2: Freq:3.531GHz Pmax:-59.38 RBW:100KHz



## Radiated spurious emissions-MS in idle mode

### EGSM 900 (Fully anechoic chamber)

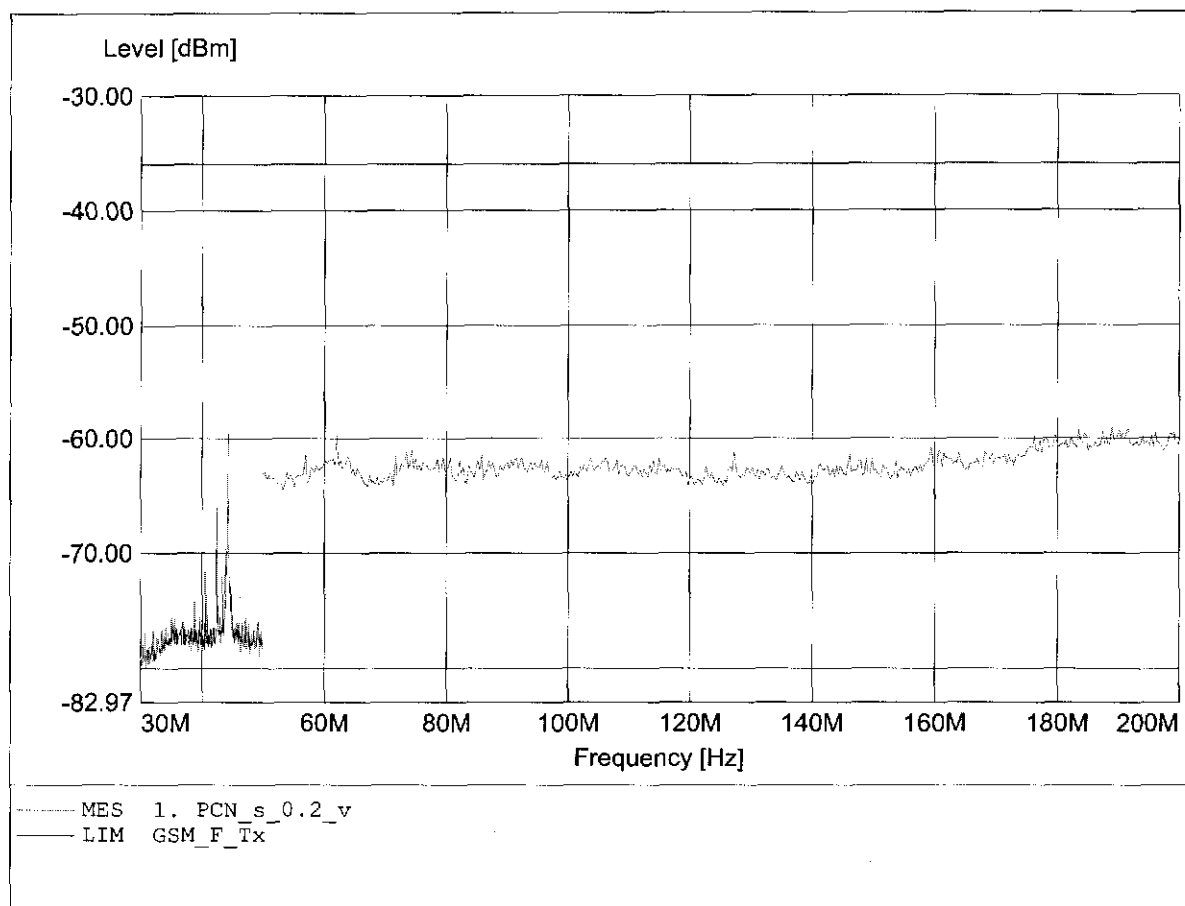
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.2  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4GHz  
Comment 2: Freq:3.513GHz Pmax:-59.93 RBW:100KHz



**Radiated spurious emissions-MS allocated ch: 697**

**PCN 1800 (Fully anechoic chamber)**

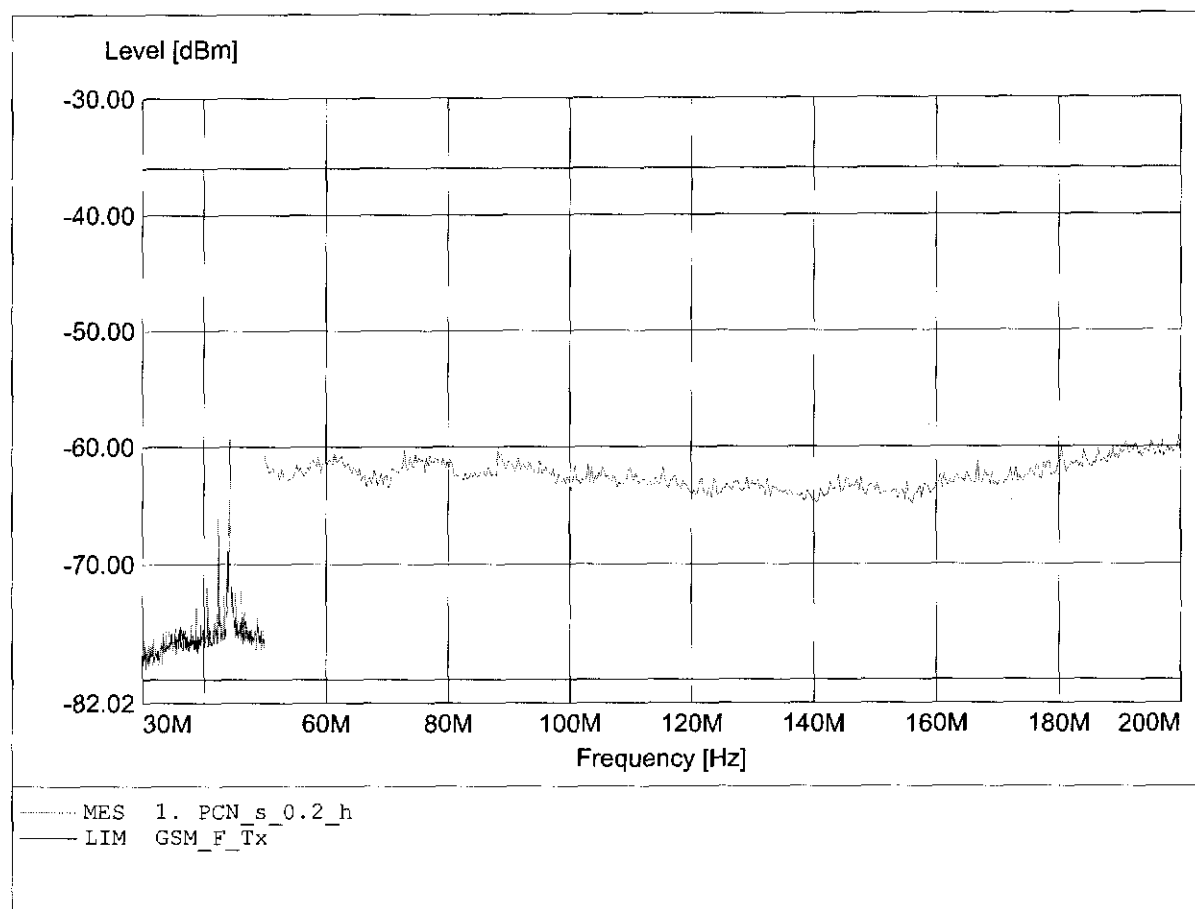
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq:188.878MHz Pmax:-58.90 RBW:10/100KHz



**Radiated spurious emissions-MS allocated ch: 697**

**PCN 1800 (Fully anechoic chamber)**

EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq:199.699MHz Pmax:-59.01 RBW:10/100KHz

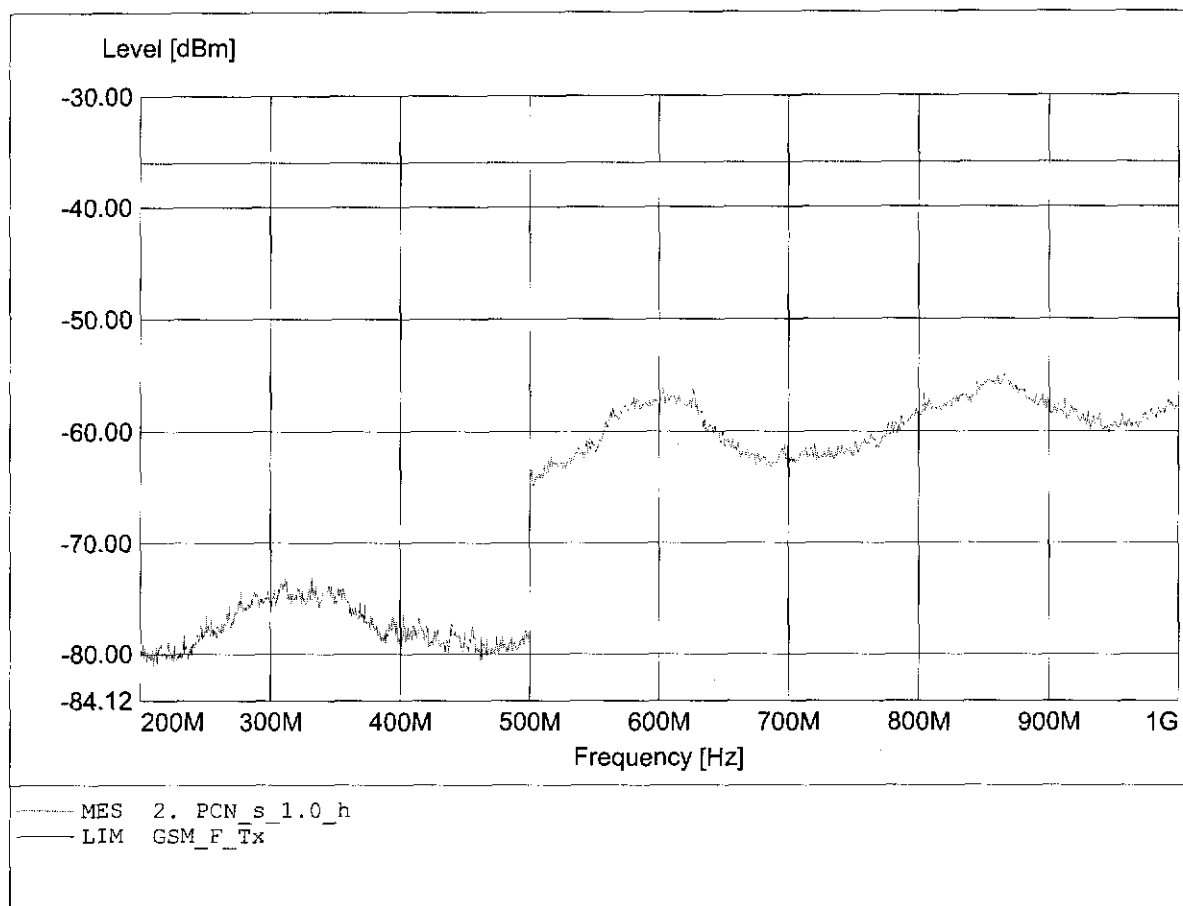




**Radiated spurious emissions-MS allocated ch: 697**

**PCN 1800 (Fully anechoic chamber)**

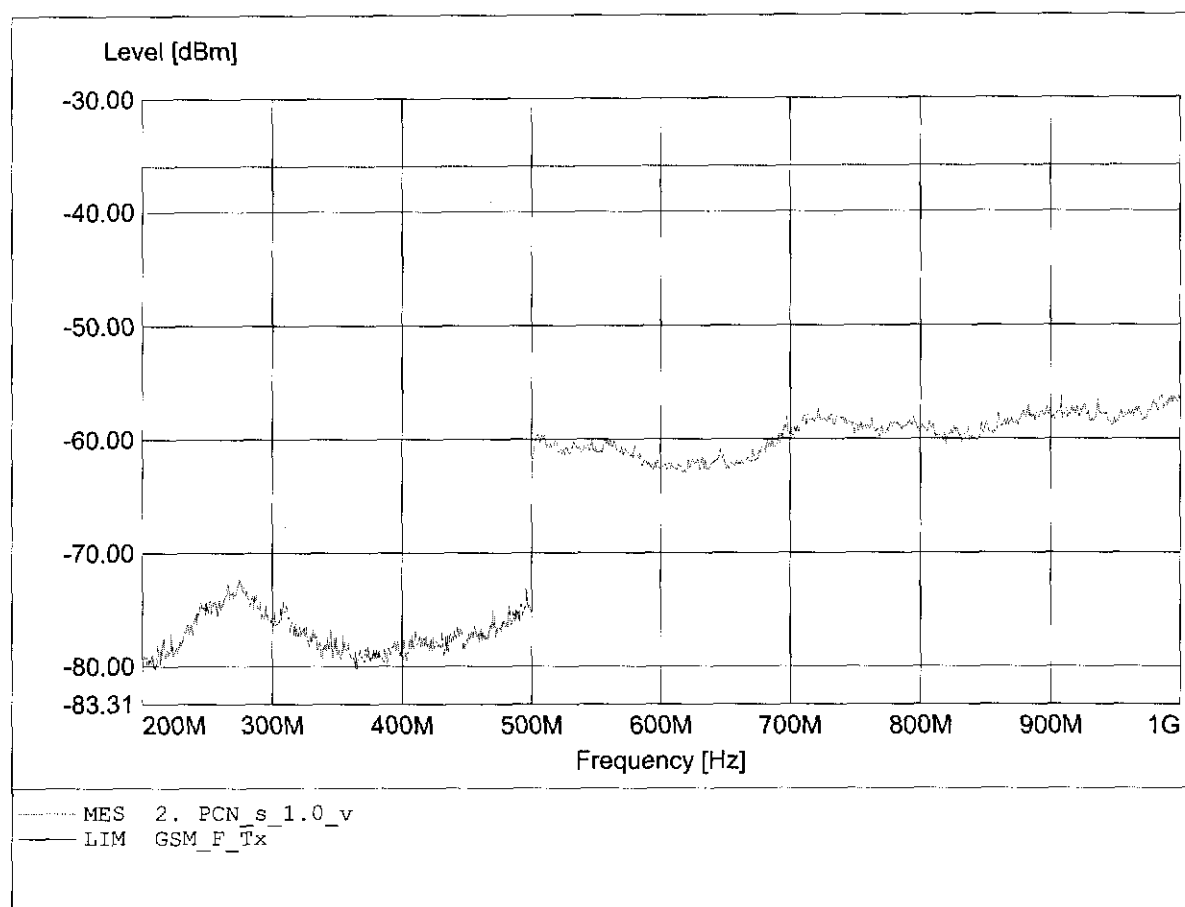
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 223, Ampl.: 0.2-1 GHz  
Comment 2: Freq:865.731MHz Pmax:-54.89 RBW:0.1/3MHz



**Radiated spurious emissions-MS allocated ch: 697**

**PCN 1800 (Fully anechoic chamber)**

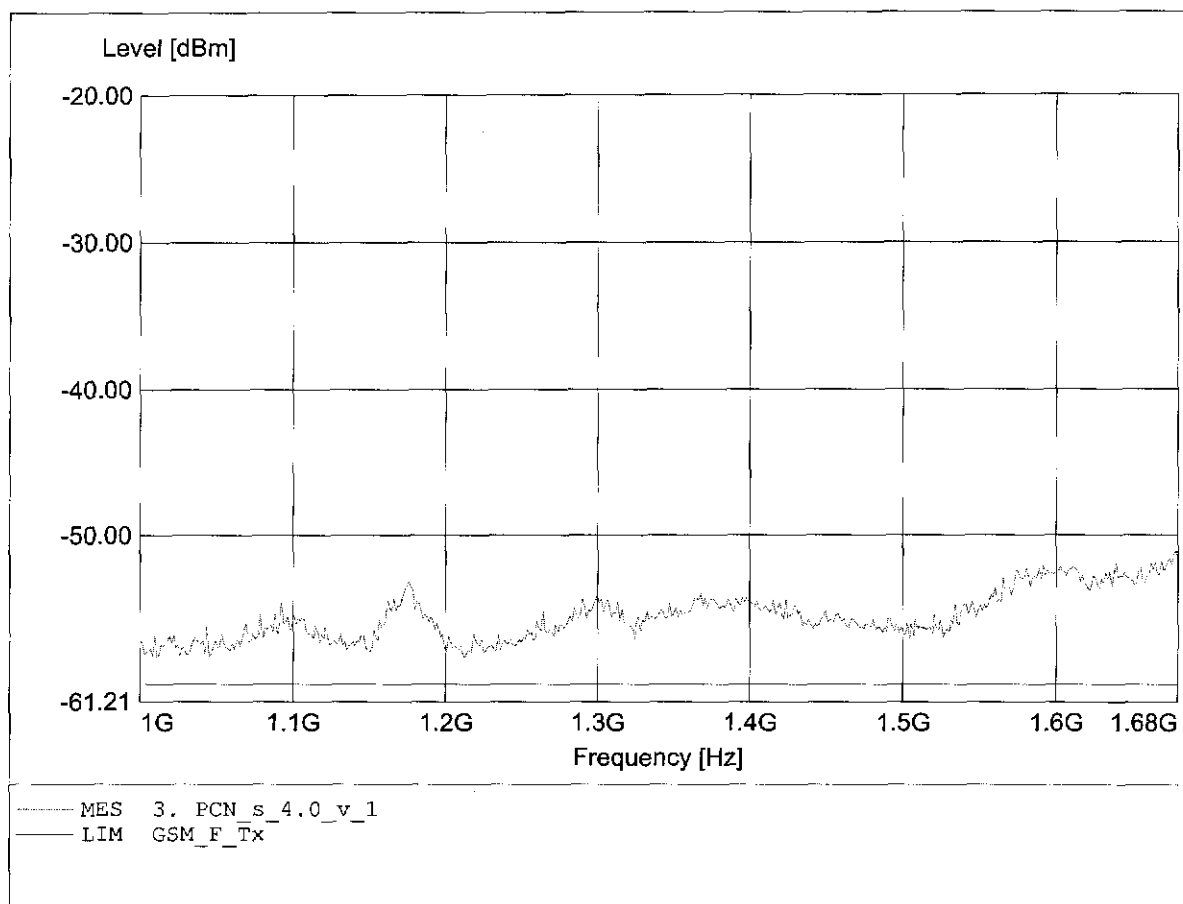
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 223, Ampl.: 0.2-1 GHz  
Comment 2: Freq:985.972MHz Pmax:-56.17 RBW:0.1/3MHz



# Radiated spurious emissions-MS allocated ch: 697

## PCN 1800 (Fully anechoic chamber)

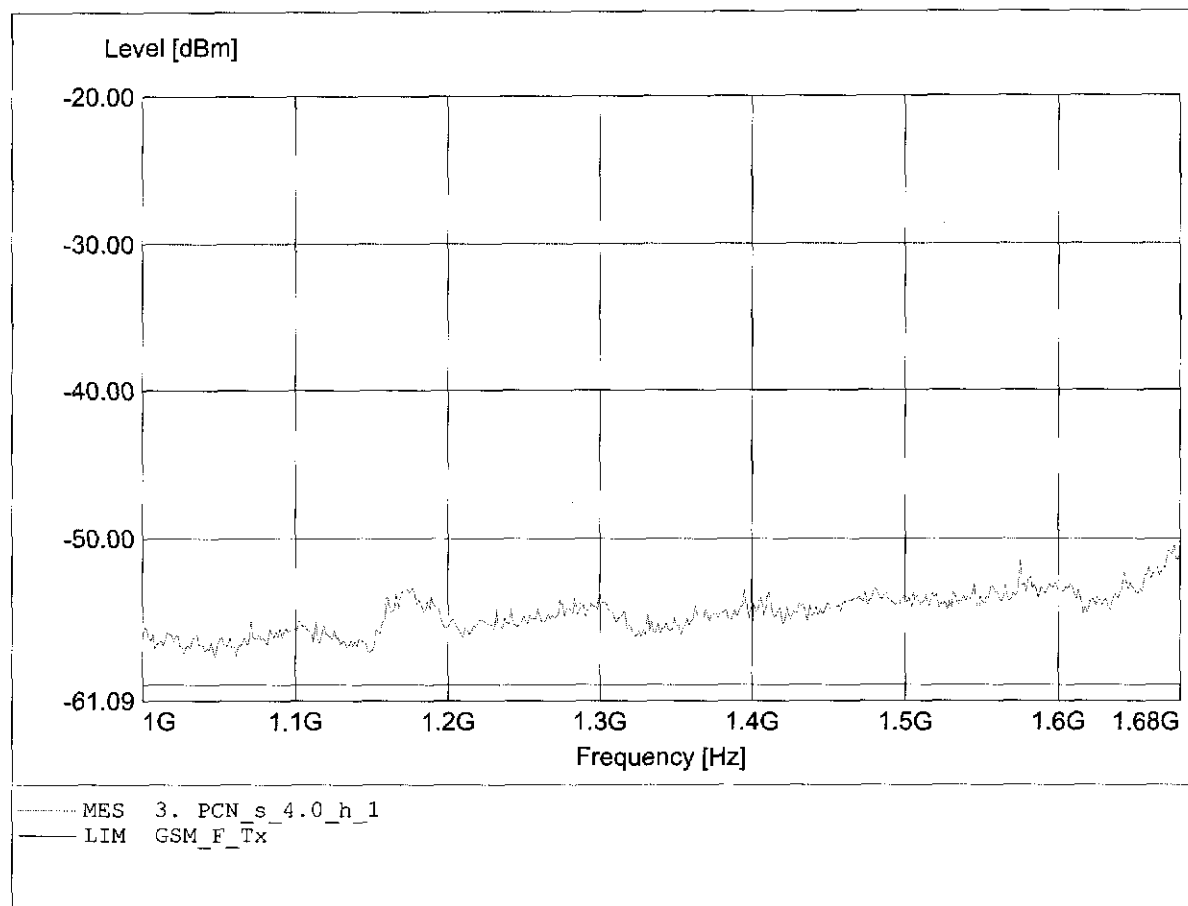
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4 GHz  
Comment 2: Freq:1.679GHz Pmax:-51.08 RBW:3MHz



**Radiated spurious emissions-MS allocated ch: 697**

**PCN 1800 (Fully anechoic chamber)**

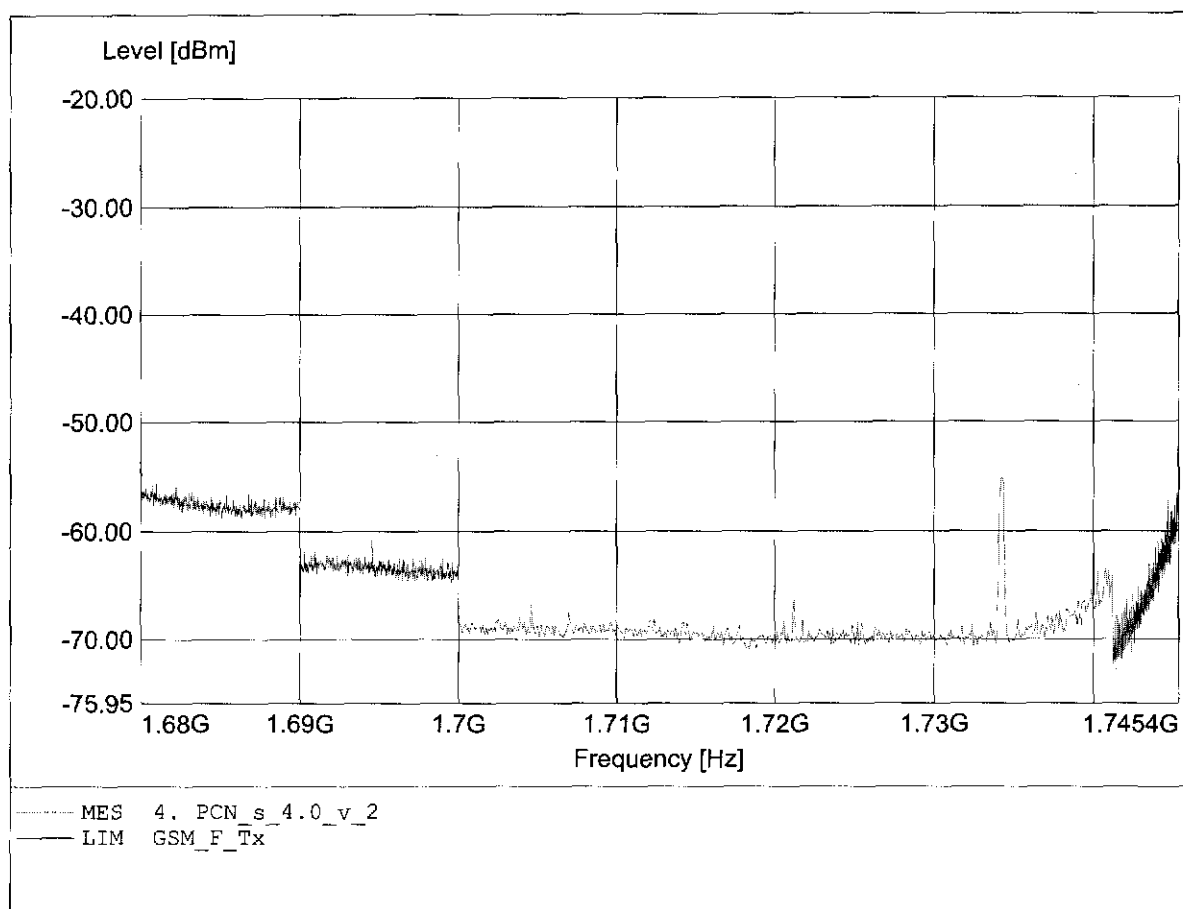
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4 GHz  
Comment 2: Freq:1.680GHz Pmax:-50.30 RBW:3MHz



**Radiated spurious emissions-MS allocated ch: 697**

**PCN 1800 (Fully anechoic chamber)**

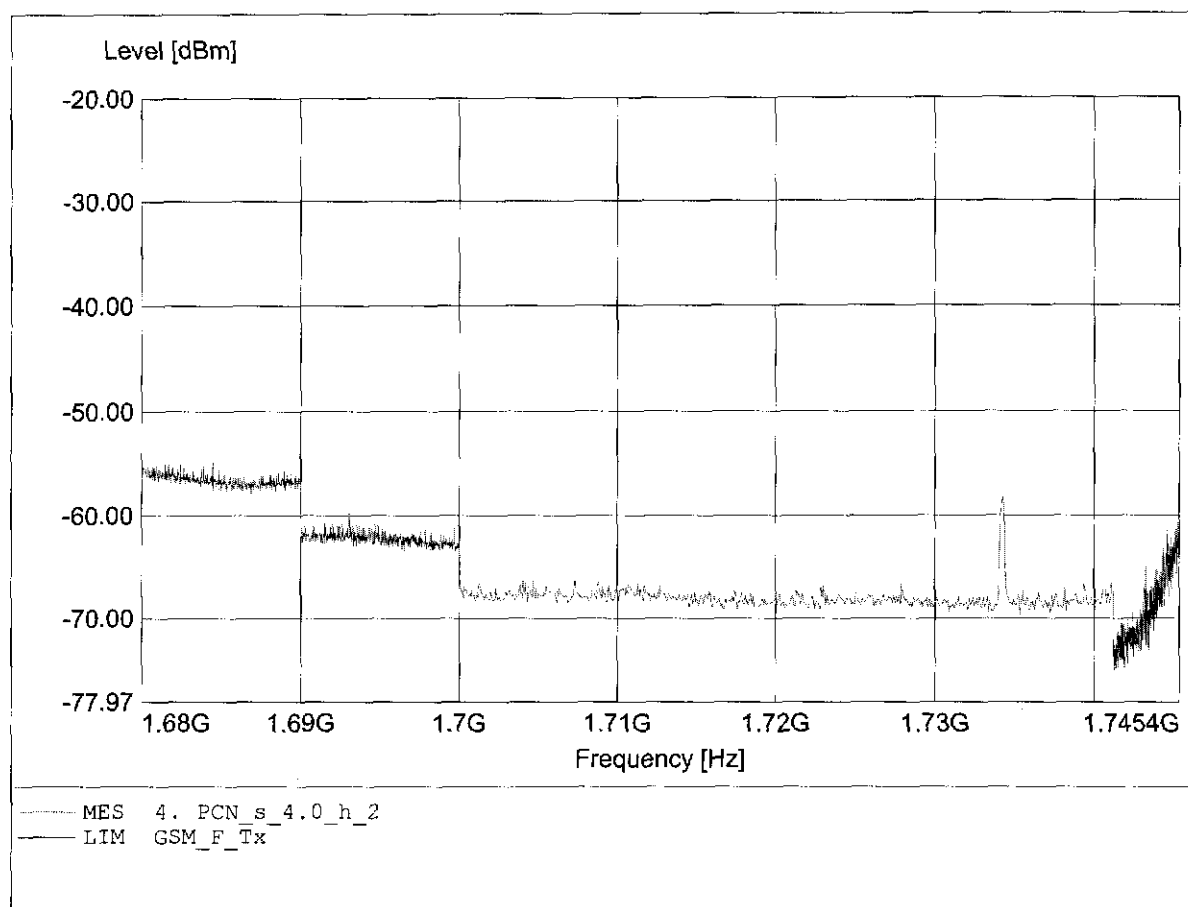
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4 GHz  
Comment 2: Freq:1.734GHz Pmax:-54.95 RBW:1MHz to 30KHz



**Radiated spurious emissions-MS allocated ch: 697**

**PCN 1800 (Fully anechoic chamber)**

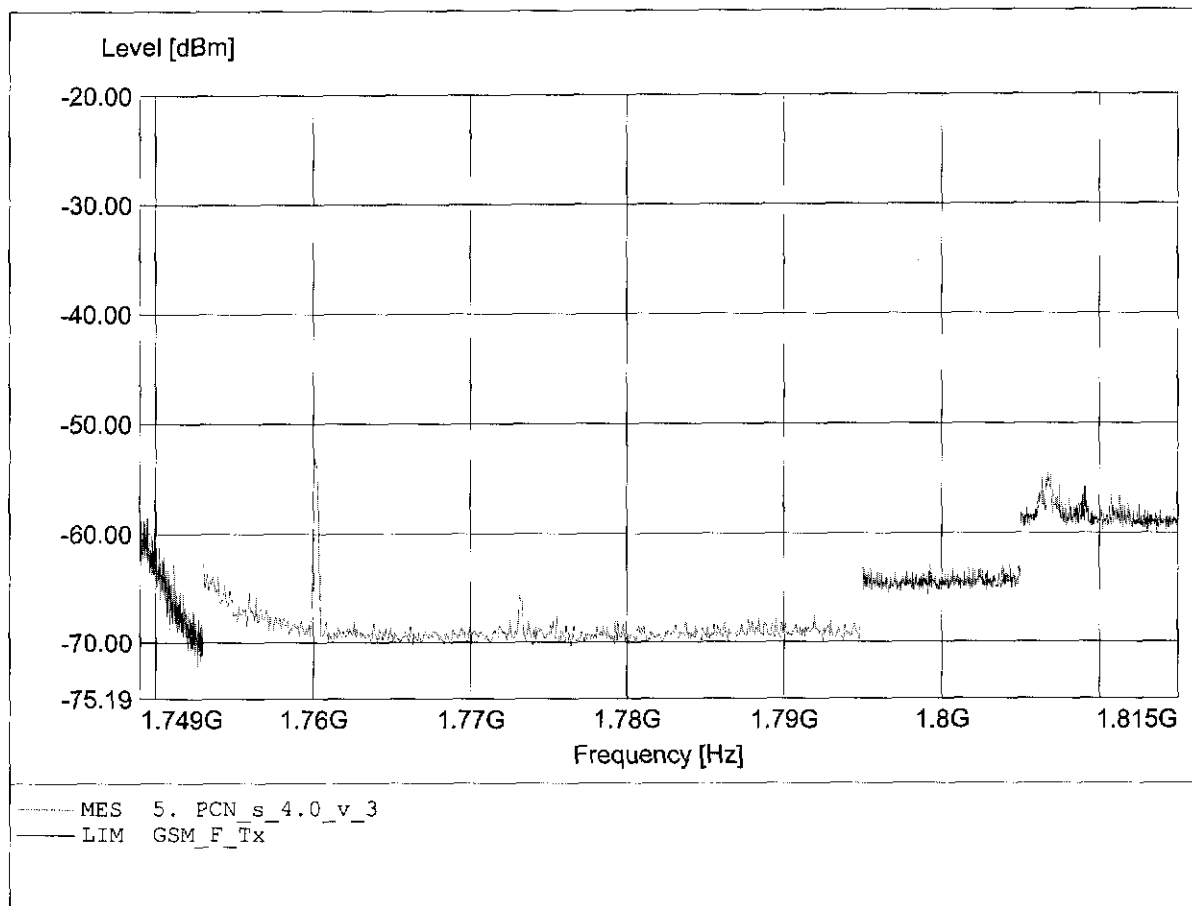
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4 GHz  
Comment 2: Freq:1.684GHz Pmax:-54.87 RBW:1MHz to 30KHz



**Radiated spurious emissions-MS allocated ch: 697**

**PCN 1800 (Fully anechoic chamber)**

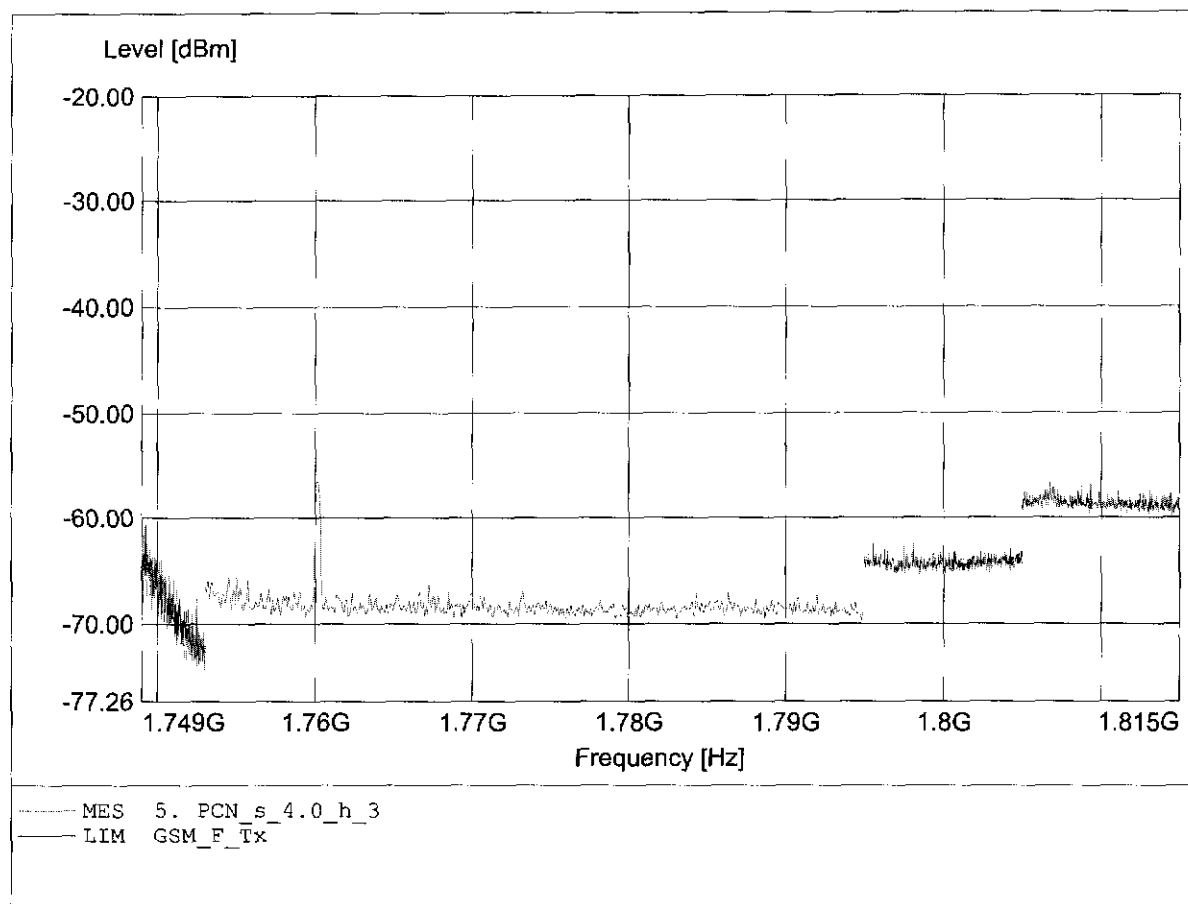
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4 GHz  
Comment 2: Freq:1.760GHz Pmax:-53.18 RBW:30KHz to 1MHz



**Radiated spurious emissions-MS allocated ch: 697**

**PCN 1800 (Fully anechoic chamber)**

EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4 GHz  
Comment 2: Freq:1.760GHz Pmax:-56.54 RBW:30KHz to 1MHz

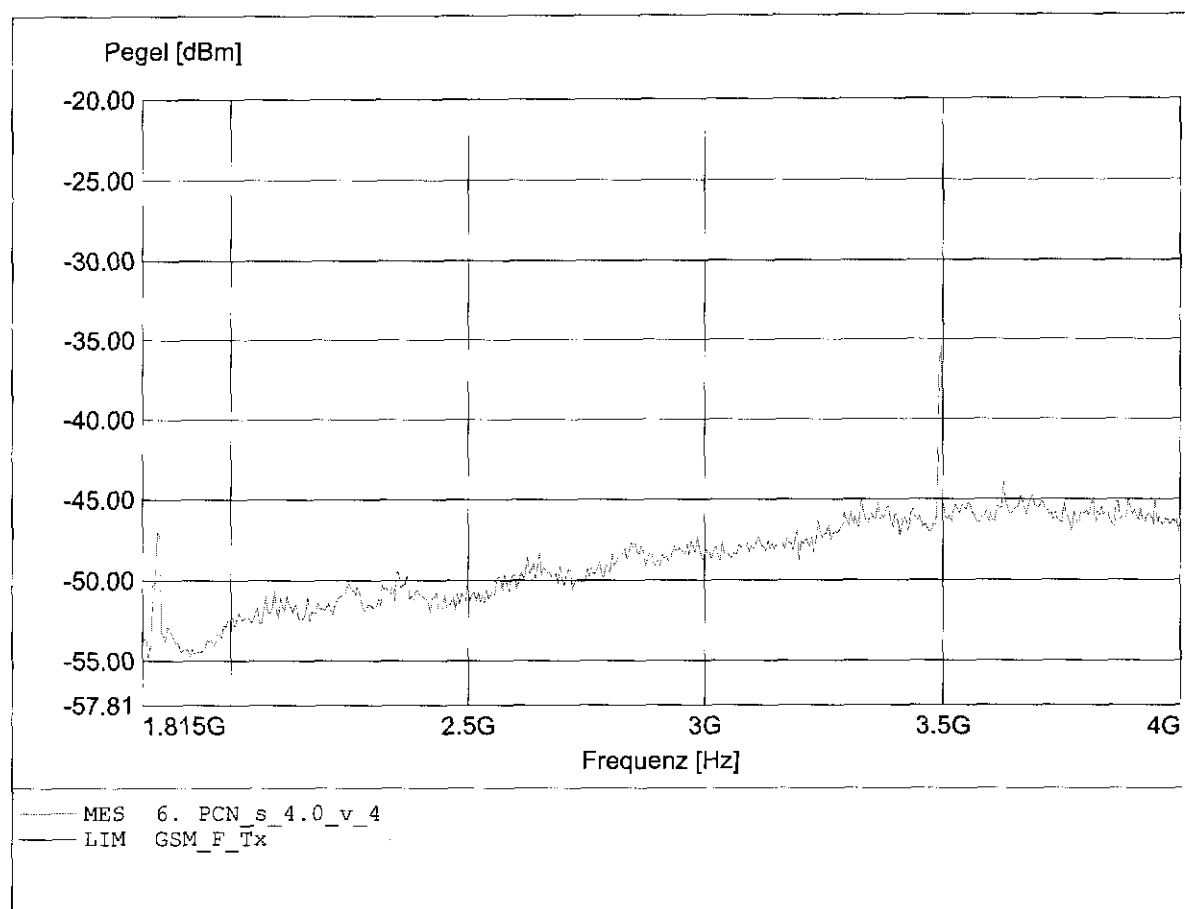




# **Radiated spurious emissions-MS allocated ch: 697**

## **PCN 1800 (Fully anechoic chamber)**

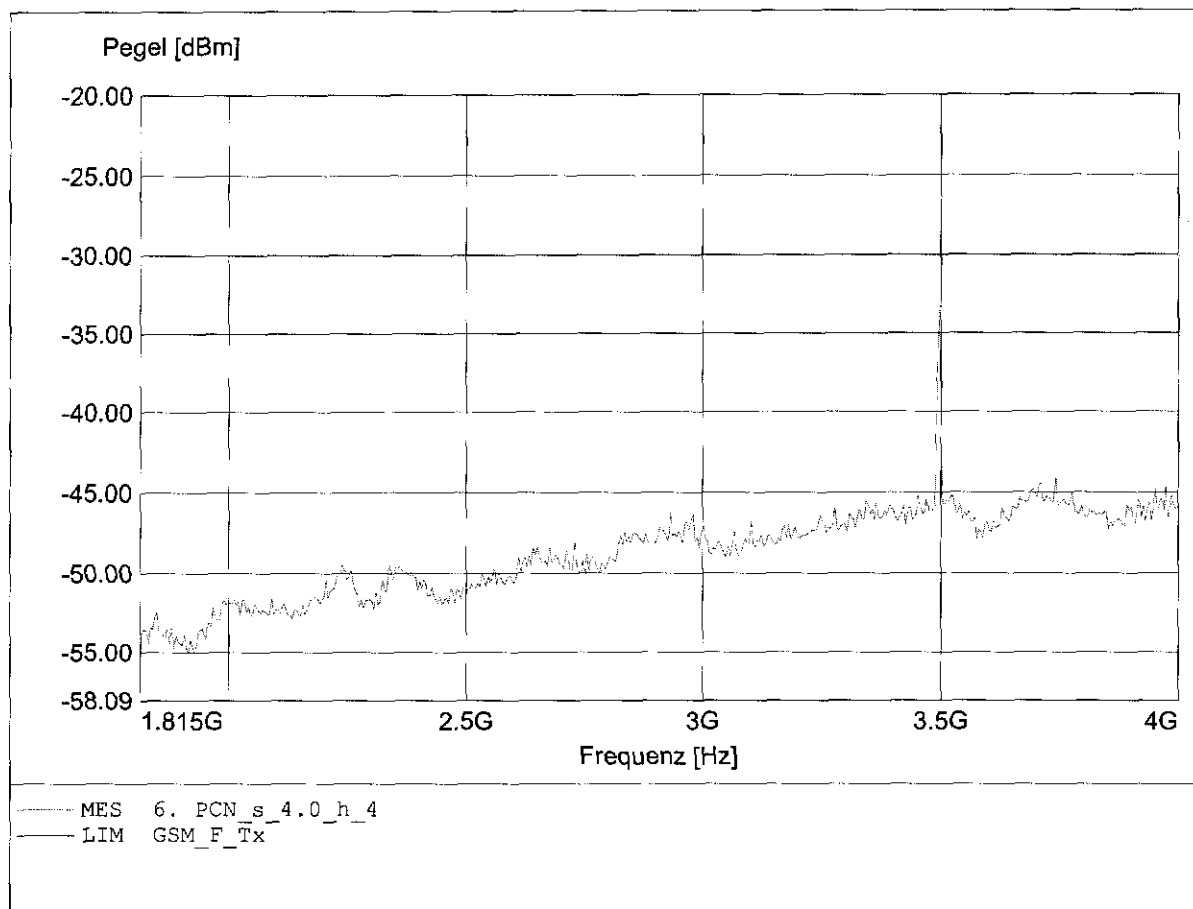
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4 GHz  
Comment 2: Freq:3.496GHz Pmax:-35.47 RBW:3MHz



# **Radiated spurious emissions-MS allocated ch: 697**

## **PCN 1800 (Fully anechoic chamber)**

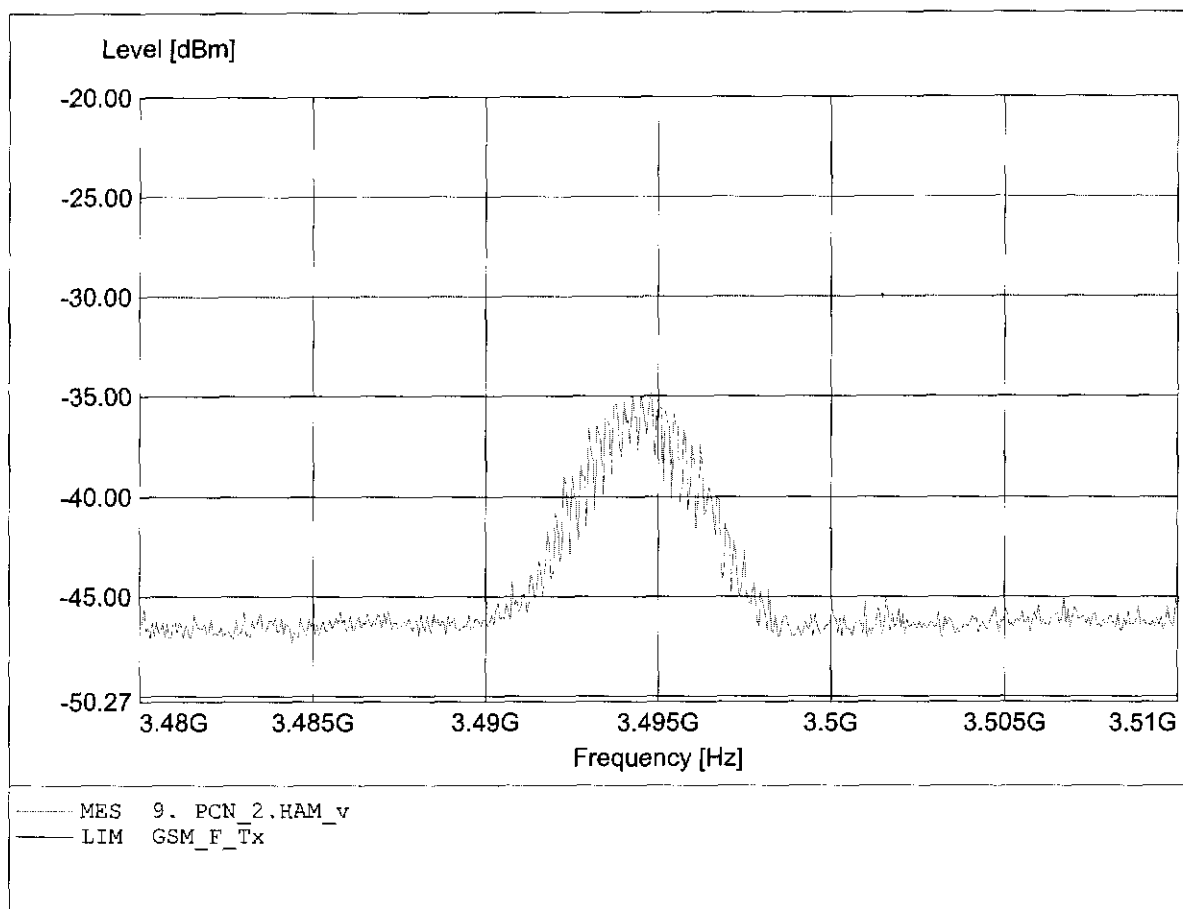
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4 GHz  
Comment 2: Freq:3.496GHz Pmax:-33.21 RBW:3MHz



## 2.Harmonic - MS allocated channel 697

### PCN 1800 (Fully anechoic chamber)

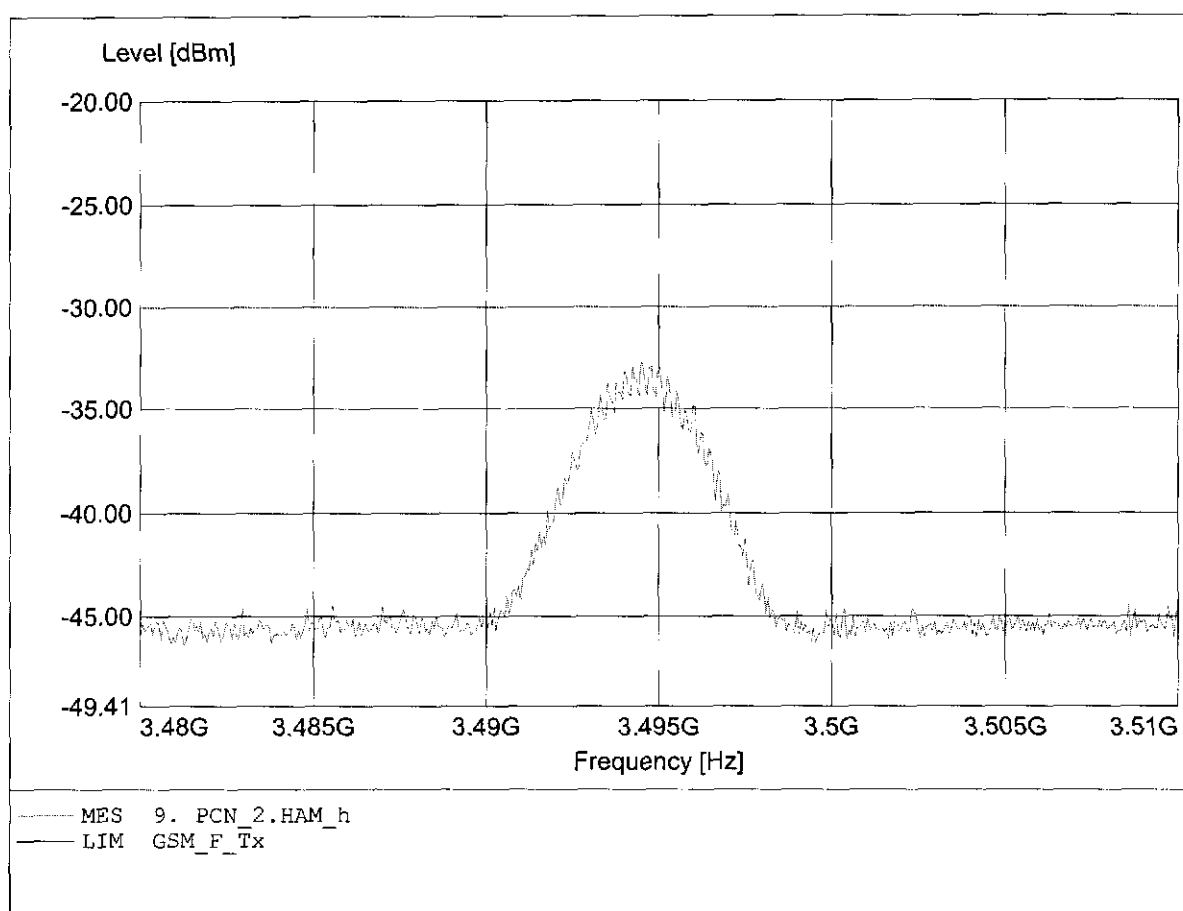
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4 GHz  
Comment 2: Freq:3.495GHz Pmax:-34.77 RBW:3MHz



## 2.Harmonic - MS allocated channel 697

### PCN 1800 (Fully anechoic chamber)

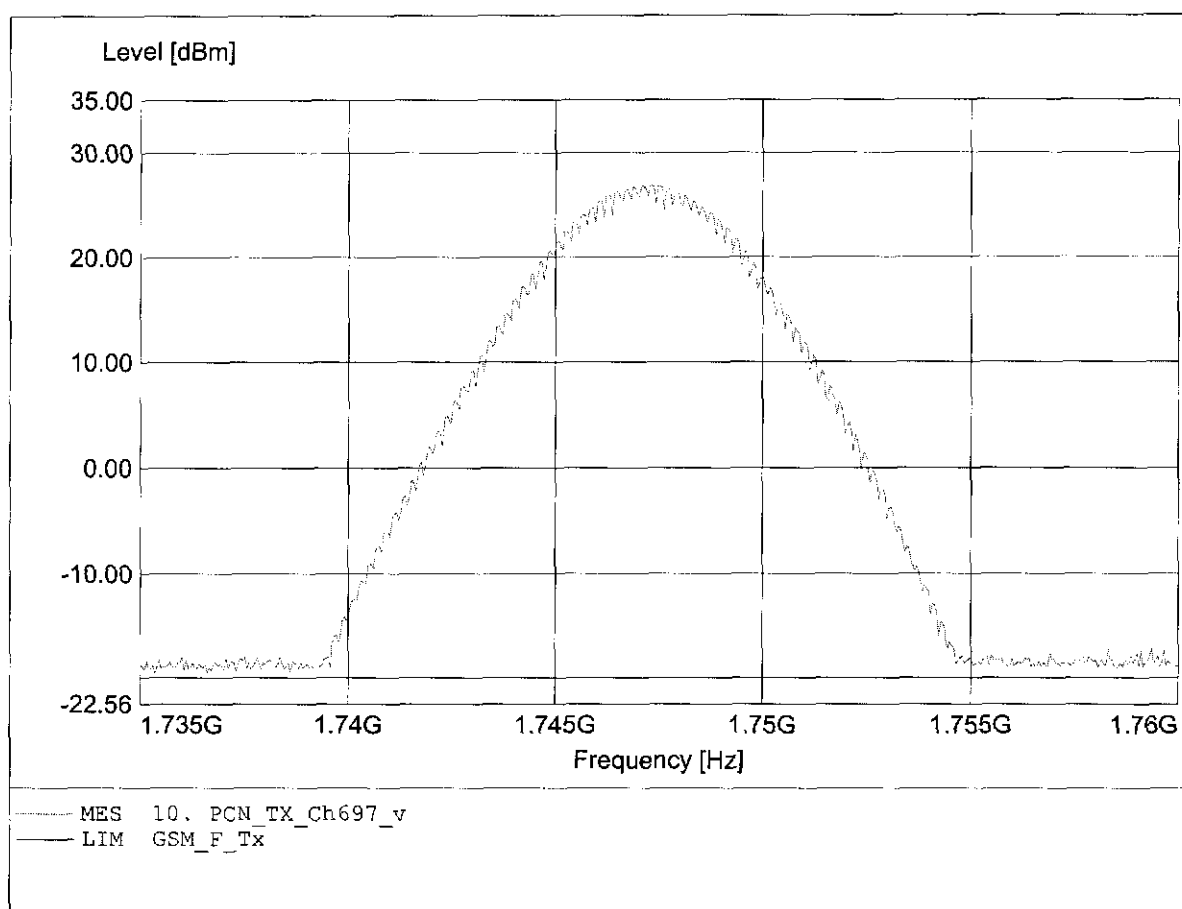
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.1  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4 GHz  
Comment 2: Freq:3.494GHz Pmax:-32.68 RBW:3MHz



# **Radiated TX Power-MS allocated channel 697**

## **PCN 1800 (Fully anechoic chamber)**

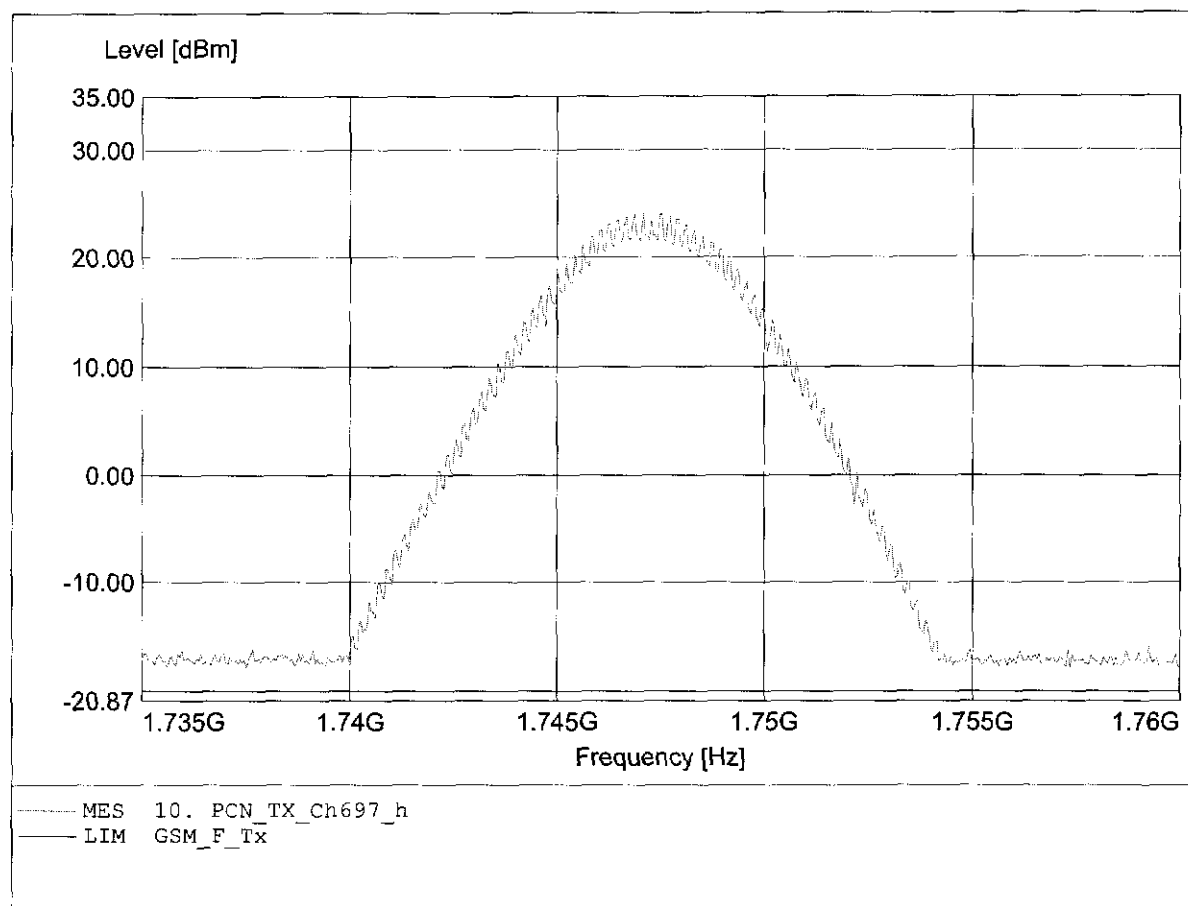
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: Power Control Level 0 (30 dBm)  
Comment 1: Dist.: 3m, Ant.: HL 025  
Comment 2: Freq:1.747GHz Pmax:26.87 RBW:3MHz



# **Radiated TX Power-MS allocated channel 697**

## **PCN 1800 (Fully anechoic chamber)**

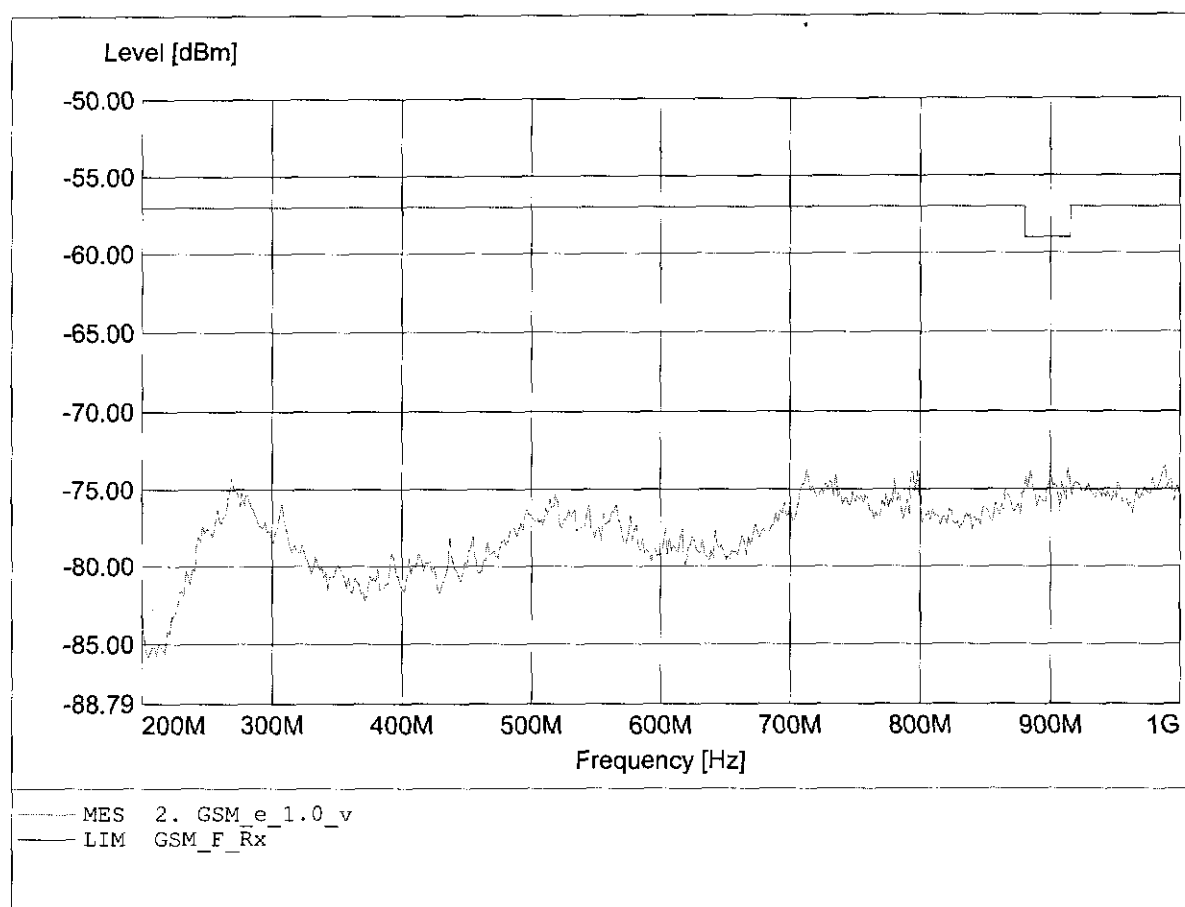
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: Power Control Level 0 (30 dBm)  
Comment 1: Dist.: 3m, Ant.: HL 025  
Comment 2: Freq:1.747GHz Pmax:24.06 RBW:3MHz



# **Radiated spurious emissions-MS in idle mode**

## **PCN 1800 (Fully anechoic chamber)**

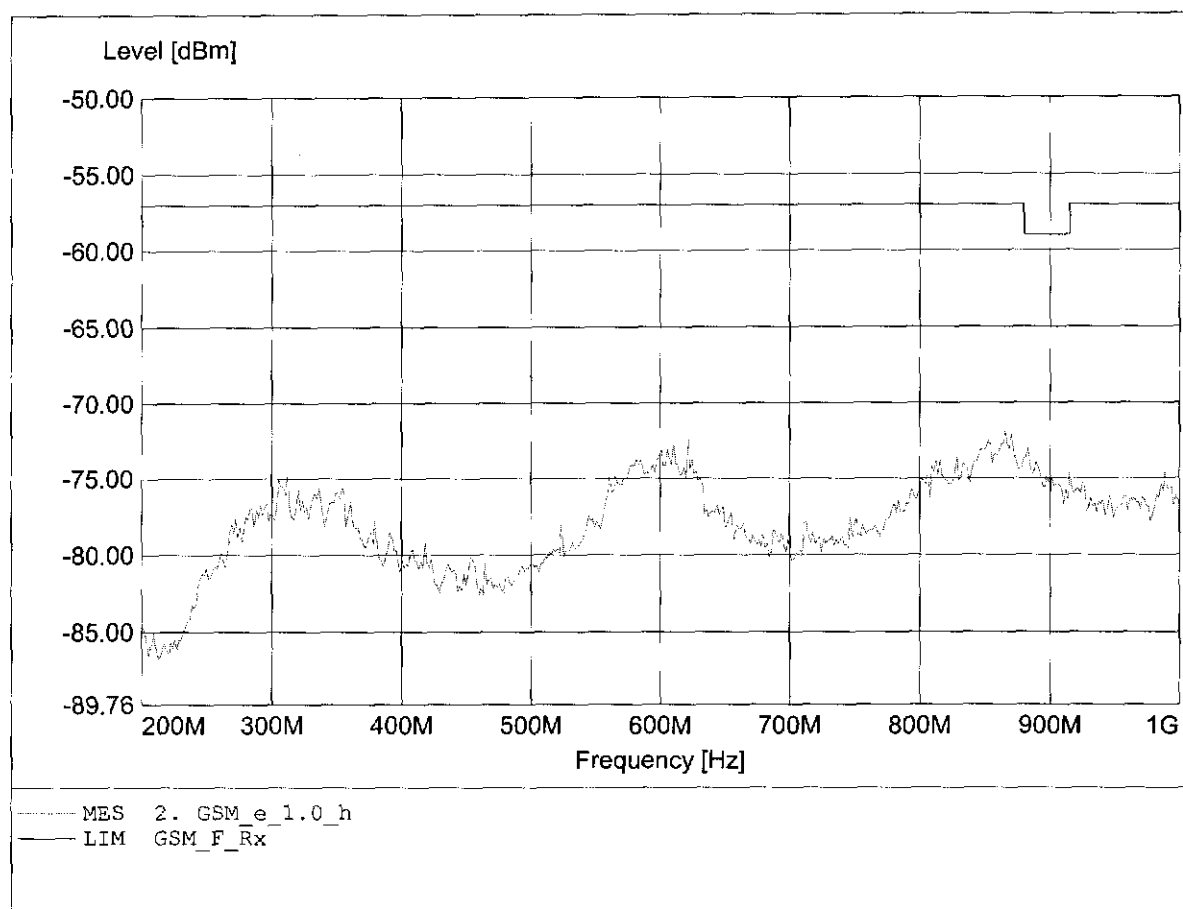
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.2  
Comment 1: Dist.: 3m, Ant.: H1 223, Ampl.: 0.2-1GHz  
Comment 2: Freq:988.778MHz Pmax:-73.51 RBW:100KHz



# Radiated spurious emissions-MS in idle mode

## PCN 1800 (Fully anechoic chamber)

EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.2  
Comment 1: Dist.: 3m, Ant.: H1 223, Ampl.: 0.2-1GHz  
Comment 2: Freq:865.331MHz Pmax:-71.97 RBW:100KHz

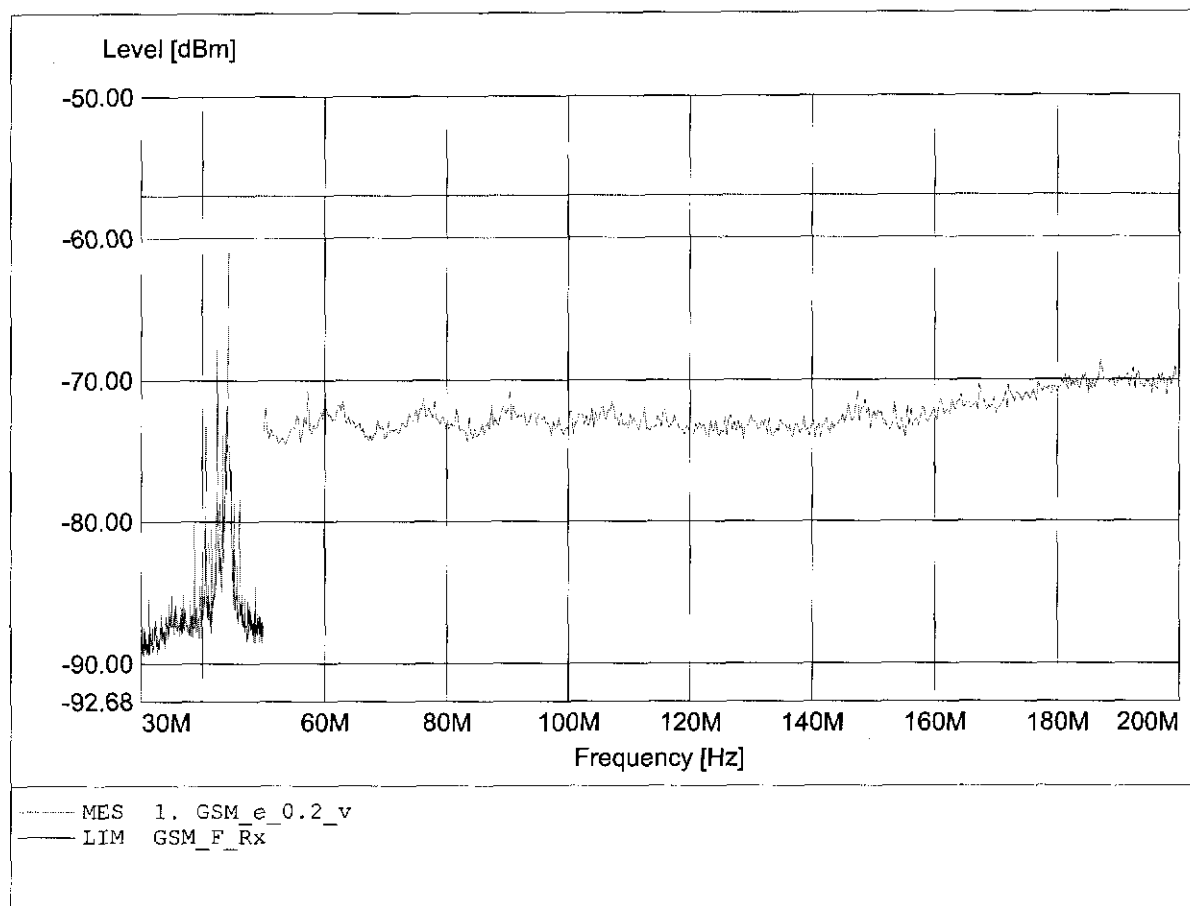




# Radiated spurious emissions-MS in idle mode

PCN 1800 (Fully anechoic chamber)

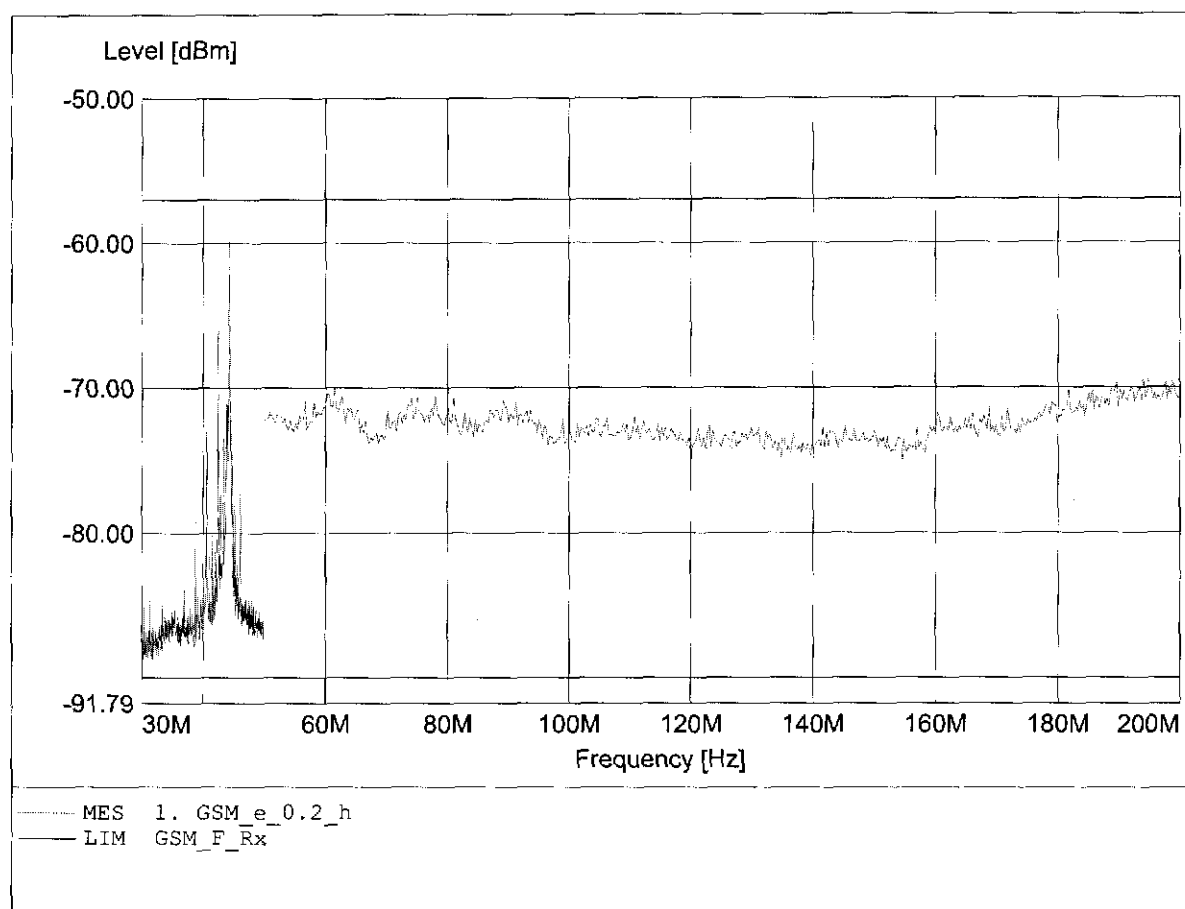
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.2  
Comment 1: Dist.: 3m, Ant.: HK 116, Ampl.: None  
Comment 2: Freq:44.269MHz Pmax:-60.99 RBW:10-100KHz



# Radiated spurious emissions-MS in idle mode

PCN 1800 (Fully anechoic chamber)

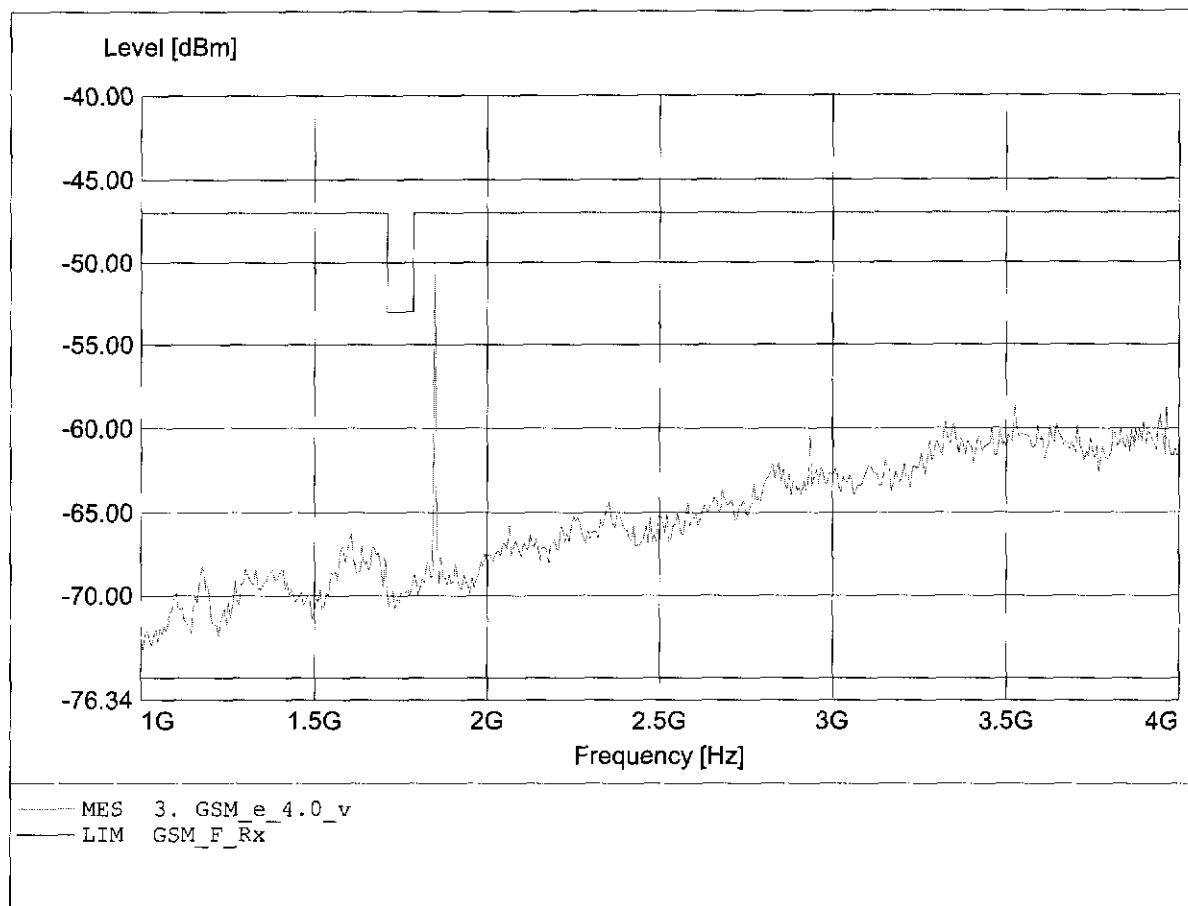
EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.2  
Comment 1: Dist.: 3m, Ant.: HK 116, Ampl.: None  
Comment 2: Freq:44.269MHz Pmax:-59.90 RBW:10-100KHz



# Radiated spurious emissions-MS in idle mode

## PCN 1800 (Fully anechoic chamber)

EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.2  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4GHz  
Comment 2: Freq:1.848GHz Pmax:-49.49 RBW:100KHz



# Radiated spurious emissions-MS in idle mode

## PCN 1800 (Fully anechoic chamber)

EUT : Module 900 / 1800 MHz  
Model: Q2406  
Applicant: Wavecom  
Temperature/ Voltage: Temp.:23°C, Unom.: 3,7 VDC  
Test Site / Operator: ETS / Mr. Handrik  
Test Specification: GSM 11.10-1 testcase 12.2.2  
Comment 1: Dist.: 3m, Ant.: HL 025, Ampl.: 1-4GHz  
Comment 2: Freq:3.693GHz Pmax:-58.98 RBW:100KHz

