



InterLab[®] Final Report on V1082-x13

Report Reference: MDE_PEIKER_1010_FCCc
acc. Title 47 CFR chapter I part 22 subpart H

Date: September 22, 2011

Test Laboratory:

7Layers AG
Borsigstr. 11
40880 Ratingen
Germany



Note:

The following test results relate only to the devices specified in this document. This report shall not be reproduced in parts without the written approval of the test laboratory.

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Dr. H.-J. Meckelburg

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1 Administrative Data

1.1 Project Data

Project Responsible: Torsten Lohoff
Date Of Test Report: 2011/09/07
Date of first test: 2011/05/10
Date of last test: 2011/05/30

1.2 Applicant Data

Company Name: PEIKER acoustic GmbH & Co. KG
Street: Max-Planck-Str. 32
City: 61381 Friedrichsdorf
Country: Germany
Contact Person: Mr. Martin Hofmann
Phone: +49 (0) 6172-767-2773
E-Mail: martin.hofmann@peiker.de

1.3 Test Laboratory Data

The following list shows all places and laboratories involved for test result generation:

7 layers DE

Company Name : 7 layers AG
Street : Borsigstrasse 11
City : 40880 Ratingen
Country : Germany
Contact Person : Mr. Michael Albert
Phone : +49 2102 749 201
Fax : +49 2102 749 444
E Mail : michael.albert@7Layers.de

Laboratory Details

<i>Lab ID</i>	<i>Identification</i>	<i>Responsible</i>	<i>Accreditation Info</i>
Lab 1	Radiated Emissions	Mr. Robert Machulec Mr. Andreas Petz	DAkKS-Registration no. D-PL-12140-01-01
Lab 2	Radio Lab	Mr. Robert Machulec Mr. Andreas Petz	DAkKS-Registration no. D-PL-12140-01-01

1.4 Signature of the Testing Responsible



Andreas Petz

responsible for tests performed in: Lab 1, Lab 2



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1.5 Signature of the Accreditation Responsible



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Accreditation scope responsible person
responsible for Lab 1, Lab 2

2 Test Object Data

2.1 General OUT Description

The following section lists all OUTs (Object's Under Test) involved during testing.

OUT: V1082-x13

<i>Type / Model / Family:</i>	V1082-x13 HW: HW0811 SW: 001.011.001 (SVN01)
<i>Product Category:</i>	Module
Manufacturer:	
<i>Company Name:</i>	PEIKER acoustic GmbH & Co. KG
<i>Street:</i>	Max-Planck Straße 32
<i>City:</i>	D-61381 Friedrichsdorf
<i>Country:</i>	Germany
<i>Company URL:</i>	http://www.peiker.de
<i>Contact Person:</i>	Mr. Frank Herold
<i>Phone:</i>	+49 6172-767-233
<i>Fax:</i>	+49 6172-767-220
<i>Mobile:</i>	+49 176-17560-141
<i>E-Mail:</i>	Frank.Herold@peiker.de

Parameter List:

<i>Parameter name</i>	<i>Value</i>
Parameter for Scope FCC_v2:	
Antenna gain 1900 band	not specified (dBi)
Antenna gain 850 band	not specified (dBi)
DC Power Supply	12 (V)
highest channel	251 (848.8MHz) for GSM850, 810 (1909.8MHz) for GSM1900, 4233 (846.6MHz) for FDD5, 9538 (1907.6MHz) for FDD2
lowest channel	128 (824.2MHz) for GSM850, 512 (1850.2MHz) for GSM1900, 4132 (826.4MHz) for FDD5, 9262 (1852.4MHz) for FDD2
mid channel	190 (836.6MHz) for GSM850, 661 (1880.0MHz) for GSM1900, 4183 (836.6MHz) for FDD5, 9400 (1880MHz) for FDD2



2.2 Detailed Description of OUT Samples

Sample : q05

<i>OUT Identifier</i>	V1082-x13		
<i>Sample Description</i>	sample #07		
<i>HW Status</i>	HW0811		
<i>SW Status</i>	001.009.001		
<i>Date of Receipt</i>	2011/03/03		
<i>Low Voltage</i>	3.6 V	<i>Low Temp.</i>	-20 °C
<i>High Voltage</i>	4.0 V	<i>High Temp.</i>	+65 °C
<i>Nominal Voltage</i>	3.8 V	<i>Normal Temp.</i>	+23 °C

Sample : h05

<i>OUT Identifier</i>	V1082-x13		
<i>Sample Description</i>	sample #08		
<i>HW Status</i>	HW0811		
<i>SW Status</i>	001.009.001		
<i>Date of Receipt</i>	2011/03/03		
<i>Low Voltage</i>	3.6 V	<i>Low Temp.</i>	-20 °C
<i>High Voltage</i>	4.0 V	<i>High Temp.</i>	+65 °C
<i>Nominal Voltage</i>	3.8 V	<i>Normal Temp.</i>	+23 °C

Sample : h06

<i>OUT Identifier</i>	V1082-x13		
<i>Sample Description</i>	sample #08		
<i>HW Status</i>	HW0811		
<i>SW Status</i>	001.009.021		
<i>Date of Receipt</i>	2011/03/03		
<i>Low Voltage</i>	3.6 V	<i>Low Temp.</i>	-20 °C
<i>High Voltage</i>	4.0 V	<i>High Temp.</i>	+65 °C
<i>Nominal Voltage</i>	3.8 V	<i>Normal Temp.</i>	+23 °C

2.3 OUT Features

Features for OUT: V1082-x13

<i>Designation</i>	<i>Description</i>	<i>Allowed Values</i>	<i>Supported Value(s)</i>
Features for scope: FCC_v2			
DC	The OUT is powered by or connected to DC Mains		
EDGE850	EUT supports EDGE in the band 824 MHz - 849 MHz		
EDGE1900	EUT supports EDGE in the band 1850 MHz - 1910 MHz		
FDD2	EUT supports UMTS FDD2 in the band 1850 MHz - 1910 MHz		
FDD5	EUT supports UMTS FDD5 in the band 824 MHz - 849 MHz		
GSM850	EUT supports GSM850 band 824MHz - 849MHz		
HSDPA-FDD2	EUT supports UMTS FDD2 HSDPA in the band 1850 MHz - 1910 MHz		
HSDPA-FDD5	EUT supports UMTS FDD5 HSDPA in the band 824 MHz - 849 MHz		
HSUPA-FDD2	EUT supports UMTS FDD2 HSUPA in the band 1850 MHz - 1910 MHz		
HSUPA-FDD5	EUT supports UMTS FDD5 HSUPA in the band 824 MHz - 849 MHz		
PantC	permanent fixed antenna connector, which may be built-in, designed as an indispensable part of the equipment		
PCS1900	EUT supports PCS1900 band 1850MHz - 1910MHz		

2.4 Auxiliary Equipment

<i>AE No.</i>	<i>Type Designation</i>	<i>Serial No.</i>	<i>HW Status</i>	<i>SW Status</i>	<i>Description</i>
AE AE03	-	-	-	-	Power cord
AE AE01	Delphi Nr. 28074448	-	-	-	Test antenna 1 (roof aerial)
AE AE02	Delphi Nr. 9230911-01	-	-	-	Test antenna 2 (backup antenna)
AE AE04	peiker LP1206-1	-	-	-	Evaluation board



2.5 Setups used for Testing

For each setup a relation is given to determine if and which samples and auxiliary equipment is used. The left side list all OUT samples and the right side lists all auxiliary equipment for the given setup.

<i>Setup No.</i>	<i>List of OUT samples</i>		<i>List of auxiliary equipment</i>	
<i>Sample No.</i>	<i>Sample Description</i>	<i>AE No.</i>	<i>AE Description</i>	
G05_rad (sample #07 FCC radiated)				
<i>Sample: g05</i>	sample #07	AE AE03	Power cord	
		AE AE01	Test antenna 1 (roof aerial)	
		AE AE02	Test antenna 2 (backup antenna)	
		AE AE04	Evaluation board	
H05 (sample #08)				
<i>Sample: h05</i>	sample #08	AE AE03	Power cord	
		AE AE04	Evaluation board	
H05_rad (sample #08 FCC radiated)				
<i>Sample: h05</i>	sample #08	AE AE03	Power cord	
		AE AE01	Test antenna 1 (roof aerial)	
		AE AE02	Test antenna 2 (backup antenna)	
		AE AE04	Evaluation board	
H06 (sample #08)				
<i>Sample: h06</i>	sample #08	AE AE03	Power cord	
		AE AE04	Evaluation board	
H06_rad (sample #08 FCC radiated)				
<i>Sample: h06</i>	sample #08	AE AE03	Power cord	
		AE AE01	Test antenna 1 (roof aerial)	
		AE AE02	Test antenna 2 (backup antenna)	
		AE AE04	Evaluation board	

3 Results

3.1 General

Documentation of tested devices:

Available at the test laboratory.

Interpretation of the test results:

The results of the inspection are described on the following pages, where 'Conformity' or 'Passed' means that the certification criteria were verified and that the tested device is conform to the applied standard.

In cases where 'Declaration' is printed, the required documents are available in the manufacturers product documentation.

In cases where 'not applicable' is printed, the test case requirements are not relevant to the specific equipment implementation.

Note:

This test report replaces the report referenced by: MDE_PEIKER_1010_FCCa.

3.2 List of the Applicable Body

(Body for Scope: FCC_v2)

<i>Designation</i>	<i>Description</i>
FCC47CFRChIPART22PUBLIC MOBILE SERVICES	Part 22, Subpart H - Cellular Radiotelephone Service

3.3 List of Test Specification

<i>Test Specification:</i>	FCC part 2 and 22
<i>Version</i>	10-1-10 Edition
<i>Title:</i>	PART 2 - GENERAL RULES AND REGULATIONS PART 22 - PUBLIC MOBILE SERVICES



3.4 Summary

<i>Test Case Identifier / Name Test (condition)</i>	<i>Result</i>	<i>Date of Test</i>	<i>Lab Ref.</i>	<i>Setup</i>
22.1 RF Power Output §2.1046, §22.913				
22.1; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz, Method = conducted	Passed	2011/05/30	Lab 2	H06
22.1; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H06
22.1; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz, Method = conducted	Passed	2011/05/30	Lab 2	H06
22.1; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz, Method = conducted	Passed	2011/05/23	Lab 2	H05
22.1; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz, Method = conducted	Passed	2011/05/23	Lab 2	H05
22.1; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz, Method = conducted	Passed	2011/05/23	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05



<i>Test Case Identifier / Name</i> <i>Test (condition)</i>	<i>Result</i>	<i>Date of Test</i>	<i>Lab</i> <i>Ref.</i>	<i>Setup</i>
22.1 RF Power Output §2.1046, §22.913				
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/05/30	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/05/23	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/05/23	Lab 2	H05
22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/05/23	Lab 2	H05
22.2 Frequency stability §2.1055				
22.2; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz	Passed	2011/05/23	Lab 2	H05
22.2; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz	Passed	2011/05/23	Lab 2	H05
22.2; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/05/30	Lab 2	H05
22.2; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/05/30	Lab 2	H05
22.2; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/05/23	Lab 2	H05



<i>Test Case Identifier / Name</i> <i>Test (condition)</i>	<i>Result</i>	<i>Date of Test</i>	<i>Lab</i> <i>Ref.</i>	<i>Setup</i>
22.3 Spurious emissions at antenna terminals §2.1051, §22.917				
22.3; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz	Passed	2011/05/30	Lab 2	H06
22.3; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz	Passed	2011/05/30	Lab 2	H06
22.3; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz	Passed	2011/05/30	Lab 2	H06
22.3; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz,	Passed	2011/05/23	Lab 2	H05
22.3; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz	Passed	2011/05/23	Lab 2	H05
22.3; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz	Passed	2011/05/23	Lab 2	H05
22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/05/30	Lab 2	H05
22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/05/30	Lab 2	H05
22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/05/30	Lab 2	H05
22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/05/30	Lab 2	H05
22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/05/30	Lab 2	H05
22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/05/30	Lab 2	H05
22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/05/23	Lab 2	H05
22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/05/23	Lab 2	H05
22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/05/23	Lab 2	H05



<i>Test Case Identifier / Name Test (condition)</i>	<i>Result</i>	<i>Date of Test</i>	<i>Lab Ref.</i>	<i>Setup</i>
22.4 Field strength of spurious radiation §2.1053, §22.917				
22.4; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz	Passed	2011/05/30	Lab 1	H06_rad
22.4; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz	Passed	2011/05/30	Lab 1	H06_rad
22.4; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz	Passed	2011/05/30	Lab 1	H06_rad
22.4; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz	Passed	2011/05/10	Lab 1	G05_rad
22.4; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz	Passed	2011/05/10	Lab 1	G05_rad
22.4; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz	Passed	2011/05/10	Lab 1	G05_rad
22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/05/10	Lab 1	H05_rad
22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/05/10	Lab 1	H05_rad
22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/05/10	Lab 1	H05_rad
22.4; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/05/27	Lab 1	H05_rad
22.4; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/05/27	Lab 1	H05_rad
22.4; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/05/27	Lab 1	G05_rad
22.4; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/05/10	Lab 1	G05_rad
22.4; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/05/10	Lab 1	G05_rad
22.4; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/05/10	Lab 1	G05_rad



<i>Test Case Identifier / Name</i> <i>Test (condition)</i>	<i>Result</i>	<i>Date of Test</i>	<i>Lab</i> <i>Ref.</i>	<i>Setup</i>
22.5 Emission and Occupied Bandwidth §2.1049, §22.917				
22.5; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz	Passed	2011/05/30	Lab 2	H06
22.5; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz	Passed	2011/05/30	Lab 2	H06
22.5; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz	Passed	2011/05/30	Lab 2	H06
22.5; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz	Passed	2011/05/23	Lab 2	H05
22.5; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz	Passed	2011/05/23	Lab 2	H05
22.5; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz	Passed	2011/05/23	Lab 2	H05
22.5; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/05/30	Lab 2	H05
22.5; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/05/30	Lab 2	H05
22.5; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/05/30	Lab 2	H05
22.5; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/05/30	Lab 2	H05
22.5; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/05/30	Lab 2	H05
22.5; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/05/30	Lab 2	H05
22.5; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/05/23	Lab 2	H05
22.5; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/05/23	Lab 2	H05
22.5; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/05/23	Lab 2	H05



<i>Test Case Identifier / Name</i> <i>Test (condition)</i>	<i>Result</i>	<i>Date of Test</i>	<i>Lab</i> <i>Ref.</i>	<i>Setup</i>
22.6 Band edge compliance §2.1053, §22.917				
22.6; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz	Passed	2011/05/30	Lab 2	H06
22.6; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz	Passed	2011/05/30	Lab 2	H06
22.6; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz	Passed	2011/05/23	Lab 2	H05
22.6; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz	Passed	2011/05/23	Lab 2	H05
22.6; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/05/30	Lab 2	H05
22.6; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/05/30	Lab 2	H05
22.6; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/05/30	Lab 2	H05
22.6; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/05/30	Lab 2	H05
22.6; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/05/23	Lab 2	H05
22.6; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/05/23	Lab 2	H05

3.5 Detailed Results

3.5.1 22.1 RF Power Output §2.1046, §22.913

Test: 22.1; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz, Method = conducted

Result: Passed
 Setup No.: H06
 Date of Test: 2011/05/30 13:27
 Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
 Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	300	30.31	passed
average	maxhold	300	27.99	passed
rms	maxhold	300	28.86	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 10.28 dBi

Test: 22.1; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz, Method = conducted

Result: Passed
 Setup No.: H06
 Date of Test: 2011/05/30 13:14
 Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
 Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	300	30.28	passed
average	maxhold	300	28.55	passed
rms	maxhold	300	28.74	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 10.31 dBi



Test: 22.1; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz, Method = conducted

Result: Passed
Setup No.: H06
Date of Test: 2011/05/30 13:41
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	300	30.34	passed
average	maxhold	300	28.55	passed
rms	maxhold	300	28.78	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 10.25 dBi

Test: 22.1; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/23 3:01
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	300	32.70	passed
average	maxhold	300	32.12	passed
rms	maxhold	300	32.13	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 7.89 dBi

Test: 22.1; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/23 2:43
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22



Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	300	32.78	passed
average	maxhold	300	32.19	passed
rms	maxhold	300	32.19	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 7.81 dBi

Test: 22.1; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/23 3:26
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	300	33.25	passed
average	maxhold	300	32.65	passed
rms	maxhold	300	32.64	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 7.34 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:18
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22



Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	28.38	passed
average	maxhold	10000	22.25	passed
rms	maxhold	10000	22.53	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 18.06 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:27
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	29.10	passed
average	maxhold	10000	22.71	passed
rms	maxhold	10000	22.90	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 17.69 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:29
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22



Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	29.96	passed
average	maxhold	10000	22.55	passed
rms	maxhold	10000	22.78	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 17.81 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:30
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	29.63	passed
average	maxhold	10000	20.52	passed
rms	maxhold	10000	21.33	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 19.26 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:31
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	29.86	passed
average	maxhold	10000	20.92	passed
rms	maxhold	10000	21.56	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 19.03 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:33
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	29.86	passed
average	maxhold	10000	20.86	passed
rms	maxhold	10000	21.21	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 19.38 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:36
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22



Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.00	passed
average	maxhold	10000	19.78	passed
rms	maxhold	10000	20.78	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 19.81 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:37
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	29.96	passed
average	maxhold	10000	20.43	passed
rms	maxhold	10000	21.12	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 19.47 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:38
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	29.96	passed
average	maxhold	10000	19.80	passed
rms	maxhold	10000	20.93	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 19.66 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:41
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.15	passed
average	maxhold	10000	19.60	passed
rms	maxhold	10000	20.80	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 19.79 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:42
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.25	passed
average	maxhold	10000	19.88	passed
rms	maxhold	10000	21.46	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 19.13 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:43
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.25	passed
average	maxhold	10000	19.68	passed
rms	maxhold	10000	21.62	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 18.97 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:48
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22



Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.22	passed
average	maxhold	10000	21.83	passed
rms	maxhold	10000	22.27	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 18.32 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:57
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.50	passed
average	maxhold	10000	22.36	passed
rms	maxhold	10000	22.90	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 17.69 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 7:59
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22



Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.50	passed
average	maxhold	10000	22.34	passed
rms	maxhold	10000	22.80	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 17.79 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 8:53
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.40	passed
average	maxhold	10000	20.20	passed
rms	maxhold	10000	21.23	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 19.36 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 8:54
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22



Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.32	passed
average	maxhold	10000	20.45	passed
rms	maxhold	10000	21.39	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 19.20 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 8:55
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.32	passed
average	maxhold	10000	20.32	passed
rms	maxhold	10000	21.30	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 19.29 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 8:58
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22



Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.50	passed
average	maxhold	10000	20.95	passed
rms	maxhold	10000	21.76	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 18.83 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 8:59
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	31.38	passed
average	maxhold	10000	21.37	passed
rms	maxhold	10000	22.18	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 18.41 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 9:01
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22



Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.78	passed
average	maxhold	10000	21.38	passed
rms	maxhold	10000	22.16	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 18.43 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 9:03
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.40	passed
average	maxhold	10000	20.67	passed
rms	maxhold	10000	21.58	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 19.01 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 9:04
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22



Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.41	passed
average	maxhold	10000	20.72	passed
rms	maxhold	10000	21.82	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 18.77 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 9:06
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.41	passed
average	maxhold	10000	21.23	passed
rms	maxhold	10000	22.08	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 18.51 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 9:08
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22



Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.08	passed
average	maxhold	10000	21.97	passed
rms	maxhold	10000	22.46	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 18.13 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 9:09
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.32	passed
average	maxhold	10000	22.48	passed
rms	maxhold	10000	22.99	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 17.60 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 9:10
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	30.41	passed
average	maxhold	10000	22.54	passed
rms	maxhold	10000	22.93	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 17.66 dBi

Test: 22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/23 3:45
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	29.00	passed
average	maxhold	10000	22.78	passed
rms	maxhold	10000	23.05	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 17.54 dBi

Test: 22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/23 3:52
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22



Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	29.59	passed
average	maxhold	10000	22.86	passed
rms	maxhold	10000	23.09	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 17.50 dBi

Test: 22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz, Method = conducted

Result: Passed
Setup No.: H05
Date of Test: 2011/05/23 3:59
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	10000	29.10	passed
average	maxhold	10000	22.86	passed
rms	maxhold	10000	23.19	passed

no external antenna gain is specified, the verdict is valid for external antenna gains equal or less than 17.40 dBi



3.5.2 22.2 Frequency stability §2.1055

Test: 22.2; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz

<i>Result:</i>	Passed
<i>Setup No.:</i>	H05
<i>Date of Test:</i>	2011/05/23 4:23
<i>Body:</i>	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
<i>Test Specification:</i>	FCC part 2 and 22

Detailed Results:

Temp. °C	Duration min	Voltage	Limit Hz	Freq. error Average (Hz)	Freq. error Max. (Hz)	Verdict
-30	0	normal	2095.5	-11	-18	passed
-30	5			-8	-16	passed
-30	10			-6	-12	passed
-20	0	normal	2095.5	-6	-11	passed
-20	5			-7	-14	passed
-20	10			-4	-8	passed
-10	0	normal	2095.5	-5	-16	passed
-10	5			-3	-14	passed
-10	10			-4	-17	passed
0	0	normal	2095.5	-4	-12	passed
0	5			-3	-9	passed
0	10			0	-5	passed
10	0	normal	2095.5	-9	-11	passed
10	5			-8	-14	passed
10	10			-7	-12	passed
20	0	low	2095.5	3	25	passed
20	5			-4	-23	passed
20	10			-2	-13	passed
20	0	normal	2095.5	-1	-24	passed
20	5			-4	-19	passed
20	10			6	19	passed
20	0	high	2095.5	-2	-18	passed
20	5			-11	-17	passed
20	10			1	-14	passed
30	0	normal	2095.5	6	16	passed
30	5			-3	-12	passed
30	10			-22	-37	passed
40	0	normal	2095.5	-3	-20	passed
40	5			8	11	passed
40	10			3	11	passed
50	0	normal	2095.5	-1	-13	passed
50	5			8	11	passed
50	10			4	15	passed

Battery operating end point voltage ¹⁾						
Temp. °C	Duration min	Voltage V	Limit Hz	Freq. error Average (Hz)	Freq. error Max. (Hz)	Verdict
20	0	3.0	2095.5	-136	-168	passed
20	5			-135	-152	passed
20	10			-131	-161	passed

1) The call is established at high voltage and the voltage is then reduced to the battery operating end.



Reference: MDE_PEIKER_1010_FCCc

acc. Title 47 CFR chapter I part 22 subpart H

Test: 22.2; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz

<i>Result:</i>	Passed
<i>Setup No.:</i>	H05
<i>Date of Test:</i>	2011/05/23 4:22
<i>Body:</i>	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
<i>Test Specification:</i>	FCC part 2 and 22

Detailed Results:

Temp. °C	Duration min	Voltage	Limit Hz	Freq. error Average (Hz)	Freq. error Max. (Hz)	Verdict
-30	0	normal	2095.5	-18	-22	passed
-30	5			-10	-15	passed
-30	10			-9	-17	passed
-20	0	normal	2095.5	-11	-20	passed
-20	5			-8	-15	passed
-20	10			-6	-12	passed
-10	0	normal	2095.5	-9	-15	passed
-10	5			-7	-12	passed
-10	10			-4	-8	passed
0	0	normal	2095.5	-14	-18	passed
0	5			-9	-12	passed
0	10			-11	-15	passed
10	0	normal	2095.5	-8	-12	passed
10	5			-10	-16	passed
10	10			-8	-15	passed
20	0	low	2095.5	-16	-20	passed
20	5			-5	-10	passed
20	10			-7	-13	passed
20	0	normal	2095.5	-12	-17	passed
20	5			-8	-14	passed
20	10			-10	-14	passed
20	0	high	2095.5	-10	-16	passed
20	5			-9	-12	passed
20	10			-6	-14	passed
30	0	normal	2095.5	-5	-22	passed
30	5			-4	-8	passed
30	10			-5	-12	passed
40	0	normal	2095.5	1	21	passed
40	5			-1	-4	passed
40	10			5	18	passed
50	0	normal	2095.5	-3	-20	passed
50	5			-6	-20	passed
50	10			-4	-19	passed

Battery operating end point voltage ¹⁾						
Temp. °C	Duration min	Voltage V	Limit Hz	Freq. error Average (Hz)	Freq. error Max. (Hz)	Verdict
20	0	3.00	2095.5	-229	-250	passed
20	5			-237	-258	passed
20	10			-239	-266	passed

1) The call is established at high voltage and the voltage is then reduced to the battery operating end.



Reference: MDE_PEIKER_1010_FCCc

acc. Title 47 CFR chapter I part 22 subpart H

Test: 22.2; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz

<i>Result:</i>	Passed
<i>Setup No.:</i>	H05
<i>Date of Test:</i>	2011/05/30 7:59
<i>Body:</i>	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
<i>Test Specification:</i>	FCC part 2 and 22

Detailed Results:

Temp. °C	Duration min	Voltage	Limit Hz	Freq. error Average (Hz)	Freq. error Max. (Hz)	Verdict
-30	0	normal	2095.5	-6	-22	passed
-30	5			-4	-19	passed
-30	10			-5	-24	passed
-20	0	normal	2095.5	-8	-31	passed
-20	5			-5	-22	passed
-20	10			-3	-20	passed
-10	0	normal	2095.5	-9	-29	passed
-10	5			-5	-24	passed
-10	10			-4	-21	passed
0	0	normal	2095.5	-6	-26	passed
0	5			-4	-20	passed
0	10			-3	-22	passed
10	0	normal	2095.5	-6	-30	passed
10	5			-5	-28	passed
10	10			-3	-22	passed
20	0	low	2095.5	-3	-23	passed
20	5			-1	-8	passed
20	10			8	18	passed
20	0	normal	2095.5	0	11	passed
20	5			8	18	passed
20	10			1	20	passed
20	0	high	2095.5	1	-10	passed
20	5			4	14	passed
20	10			1	12	passed
30	0	normal	2095.5	-3	-12	passed
30	5			14	25	passed
30	10			-6	-15	passed
40	0	normal	2095.5	1	8	passed
40	5			13	22	passed
40	10			-5	-16	passed
50	0	normal	2095.5	12	23	passed
50	5			1	-7	passed
50	10			8	13	passed

Battery operating end point voltage ¹⁾						
Temp. °C	Duration min	Voltage V	Limit Hz	Freq. error Average (Hz)	Freq. error Max. (Hz)	Verdict
20	0	3.0	2095.5	-6	-12	passed
20	5			-3	-14	passed
20	10			1	10	passed

1) The call is established at high voltage and the voltage is then reduced to the battery operating end.



Reference: MDE_PEIKER_1010_FCCc

acc. Title 47 CFR chapter I part 22 subpart H

Test: 22.2; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz

<i>Result:</i>	Passed
<i>Setup No.:</i>	H05
<i>Date of Test:</i>	2011/05/30 7:59
<i>Body:</i>	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
<i>Test Specification:</i>	FCC part 2 and 22

Detailed Results:

Temp. °C	Duration min	Voltage	Limit Hz	Freq. error Average (Hz)	Freq. error Max. (Hz)	Verdict
-30	0	normal	2095.5	2	11	passed
-30	5			0	-11	passed
-30	10			-2	-8	passed
-20	0	normal	2095.5	-2	-13	passed
-20	5			1	-4	passed
-20	10			-6	-11	passed
-10	0	normal	2095.5	-4	-14	passed
-10	5			0	-5	passed
-10	10			-4	-7	passed
0	0	normal	2095.5	-6	-18	passed
0	5			-4	-11	passed
0	10			-8	-18	passed
10	0	normal	2095.5	-4	-18	passed
10	5			-2	17	passed
10	10			-4	-14	passed
20	0	low	2095.5	-4	-10	passed
20	5			-3	-14	passed
20	10			-5	-12	passed
20	0	normal	2095.5	-1	17	passed
20	5			-7	-22	passed
20	10			4	11	passed
20	0	high	2095.5	-6	-8	passed
20	5			-3	-11	passed
20	10			2	10	passed
30	0	normal	2095.5	2	10	passed
30	5			-3	-10	passed
30	10			4	12	passed
40	0	normal	2095.5	-6	-13	passed
40	5			-5	-10	passed
40	10			0	-8	passed
50	0	normal	2095.5	-1	25	passed
50	5			4	19	passed
50	10			2	9	passed

Battery operating end point voltage ¹⁾						
Temp. °C	Duration min	Voltage V	Limit Hz	Freq. error Average (Hz)	Freq. error Max. (Hz)	Verdict
20	0	3.0	2095.5	2	11	passed
20	5			2	12	passed
20	10			-7	-11	passed

1) The call is established at high voltage and the voltage is then reduced to the battery operating end.



Reference: MDE_PEIKER_1010_FCCc

acc. Title 47 CFR chapter I part 22 subpart H

Test: 22.2; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz

<i>Result:</i>	Passed
<i>Setup No.:</i>	H05
<i>Date of Test:</i>	2011/05/23 4:24
<i>Body:</i>	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
<i>Test Specification:</i>	FCC part 2 and 22

Detailed Results:

Temp. °C	Duration min	Voltage	Limit Hz	Freq. error Average (Hz)	Freq. error Max. (Hz)	Verdict
-30	0	normal	2095.5	-4	-24	passed
-30	5			-4	-13	passed
-30	10			-5	-16	passed
-20	0	normal	2095.5	-6	-26	passed
-20	5			-6	-18	passed
-20	10			-4	-14	passed
-10	0	normal	2095.5	-5	-25	passed
-10	5			-4	-22	passed
-10	10			-4	-24	passed
0	0	normal	2095.5	-6	-22	passed
0	5			-4	-18	passed
0	10			-3	-12	passed
10	0	normal	2095.5	-6	-18	passed
10	5			-4	-22	passed
10	10			-4	-19	passed
20	0	low	2095.5	-5	-12	passed
20	5			-3	-10	passed
20	10			-4	-12	passed
20	0	normal	2095.5	-4	-15	passed
20	5			-6	-12	passed
20	10			-6	-10	passed
20	0	high	2095.5	-7	-18	passed
20	5			-7	-12	passed
20	10			-8	-14	passed
30	0	normal	2095.5	-1	-16	passed
30	5			-4	-13	passed
30	10			-2	-13	passed
40	0	normal	2095.5	1	12	passed
40	5			-2	-13	passed
40	10			-2	-9	passed
50	0	normal	2095.5	-3	-9	passed
50	5			-1	-8	passed
50	10			0	8	passed

Battery operating end point voltage ¹⁾						
Temp. °C	Duration min	Voltage V	Limit Hz	Freq. error Average (Hz)	Freq. error Max. (Hz)	Verdict
20	0	3.0	2095.5	-4	-8	passed
20	5			-5	-12	passed
20	10			-2	-6	passed

1) The call is established at high voltage and the voltage is then reduced to the battery operating end.

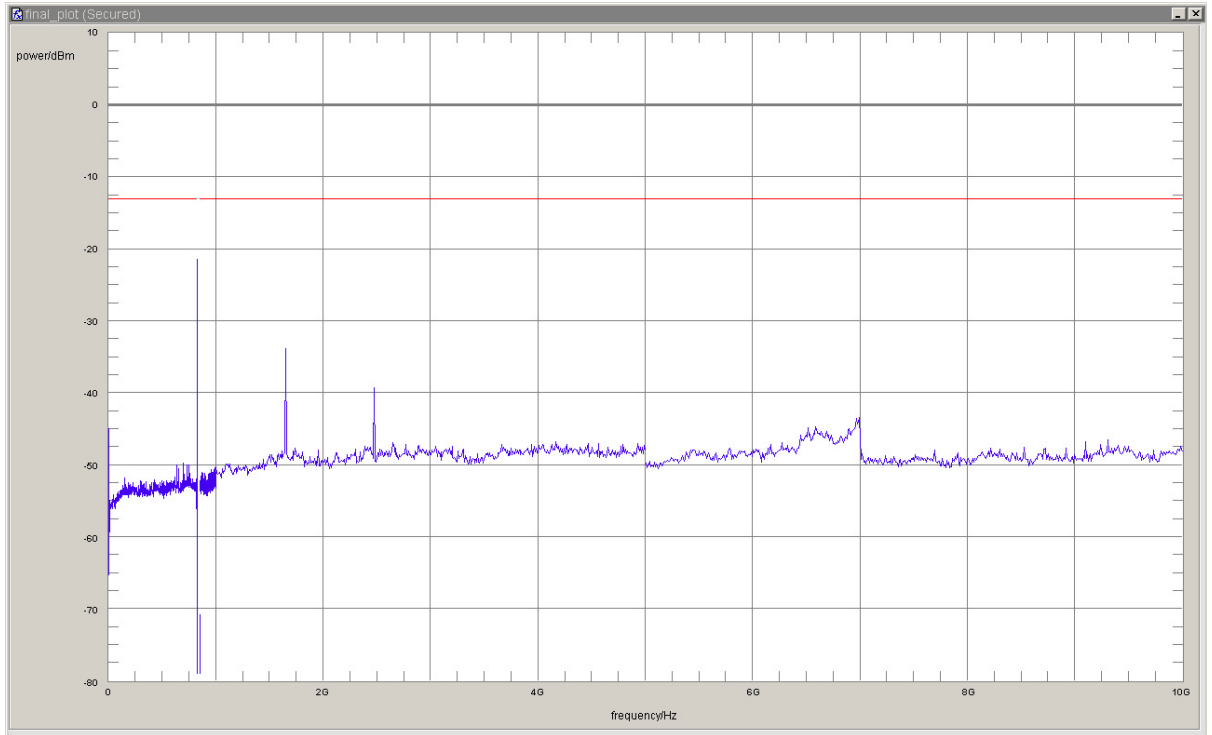


3.5.3 22.3 Spurious emissions at antenna terminals §2.1051, §22.917

Test: 22.3; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz

<i>Result:</i>	Passed
<i>Setup No.:</i>	H06
<i>Date of Test:</i>	2011/05/30 13:38
<i>Body:</i>	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
<i>Test Specification:</i>	FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	3	823.9299	-25.7	12.7	-13.0	passed
peak	maxhold	3	823.9499	-27.0	14.0	-13.0	passed
peak	maxhold	3	823.9579	-24.9	11.9	-13.0	passed
peak	maxhold	3	823.9619	-21.4	8.4	-13.0	passed
peak	maxhold	3	823.9780	-25.0	12.0	-13.0	passed
peak	maxhold	3	823.9960	-23.3	10.3	-13.0	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz

Result: Passed

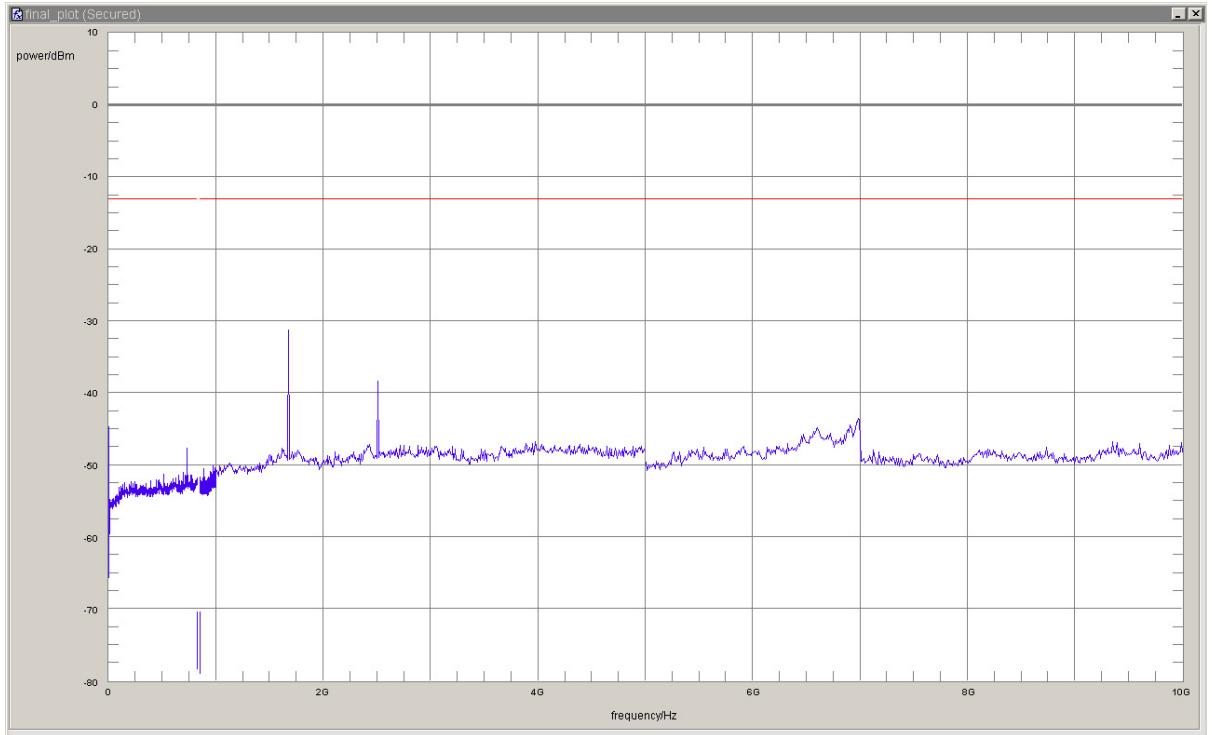
Setup No.: H06

Date of Test: 2011/05/30 13:25

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Detailed Results:



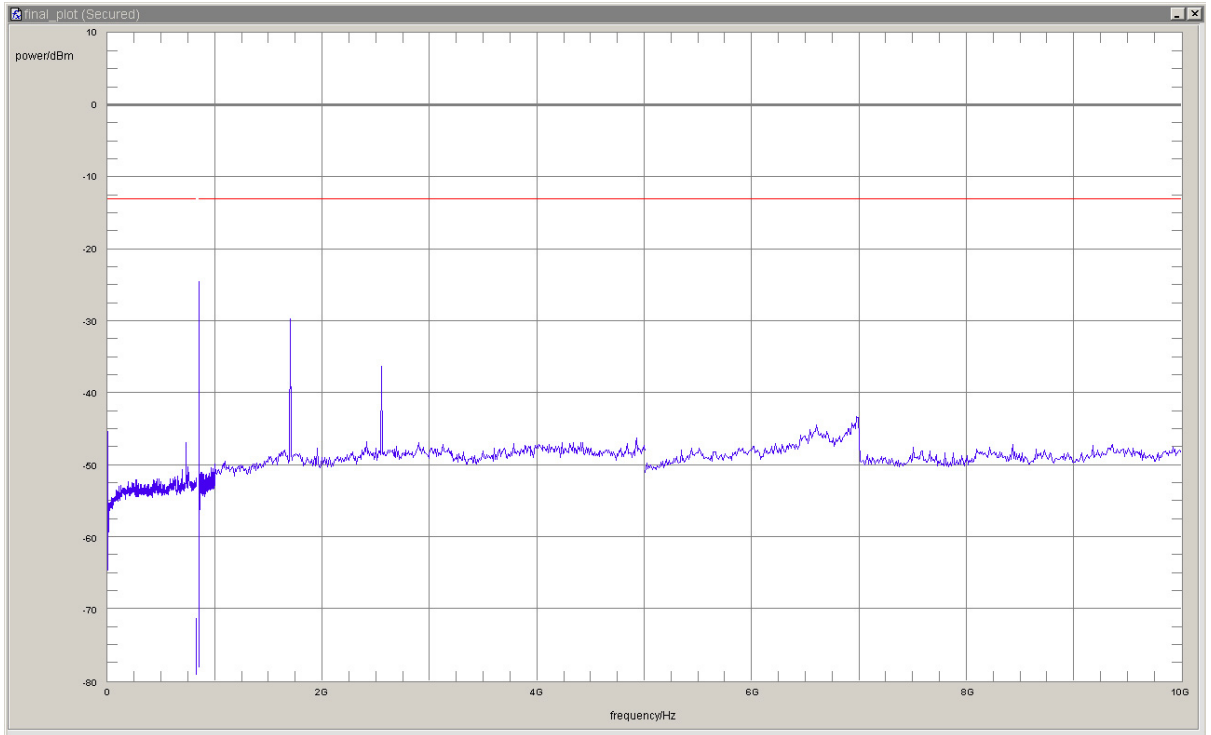
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	100	1673.35	-31.2	18.2	-13.0	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz

Result: Passed
Setup No.: H06
Date of Test: 2011/05/30 13:52
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	3	849.0020	-25.0	12.0	-13.0	passed
peak	maxhold	3	849.0060	-28.0	15.0	-13.0	passed
peak	maxhold	3	849.0281	-26.3	13.3	-13.0	passed
peak	maxhold	3	849.0361	-24.5	11.5	-13.0	passed
peak	maxhold	3	849.0641	-28.8	15.8	-13.0	passed
peak	maxhold	100	1697.39	-29.7	16.7	-13.0	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz,

Result: Passed

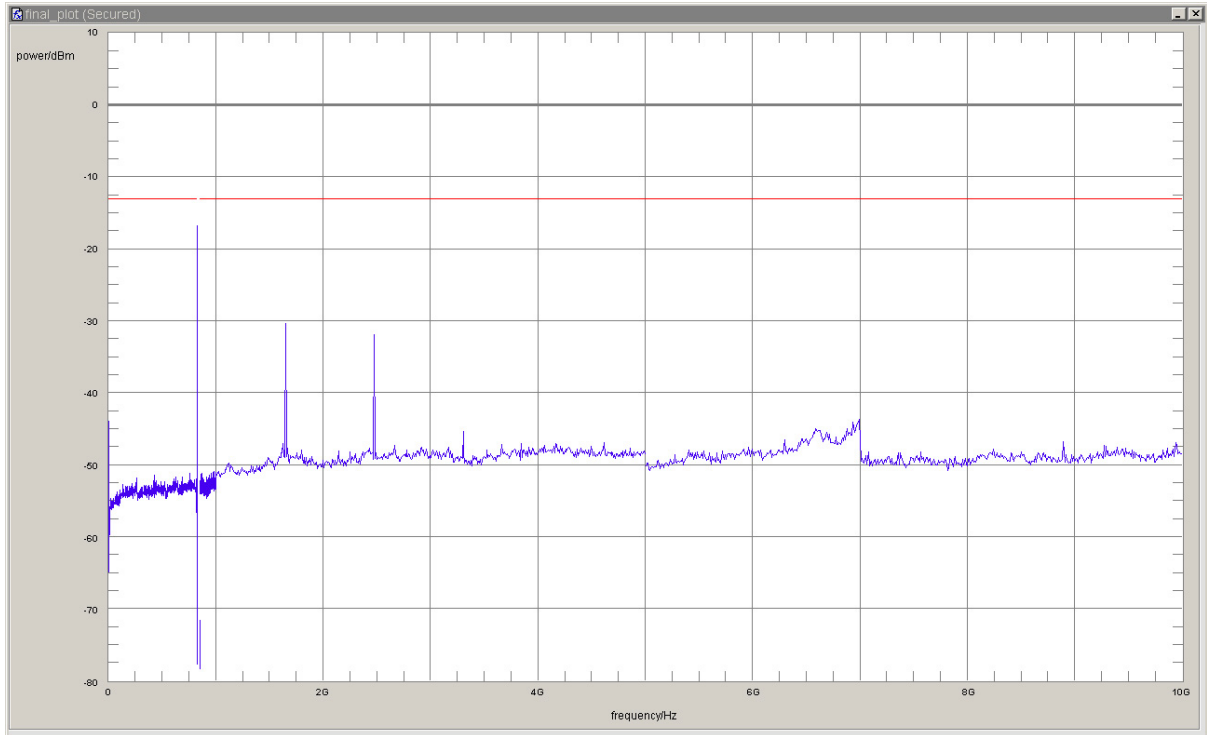
Setup No.: H05

Date of Test: 2011/05/23 3:24

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	3	823.9158	-26.6	13.6	-13.0	passed
peak	maxhold	3	823.9519	-23.5	10.5	-13.0	passed
peak	maxhold	3	823.9599	-20.4	7.4	-13.0	passed
peak	maxhold	3	823.9920	-16.7	3.7	-13.0	passed
peak	maxhold	100	1649.30	-30.4	17.4	-13.0	passed
peak	maxhold	100	2474.95	-31.9	18.9	-13.0	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz

Result: Passed

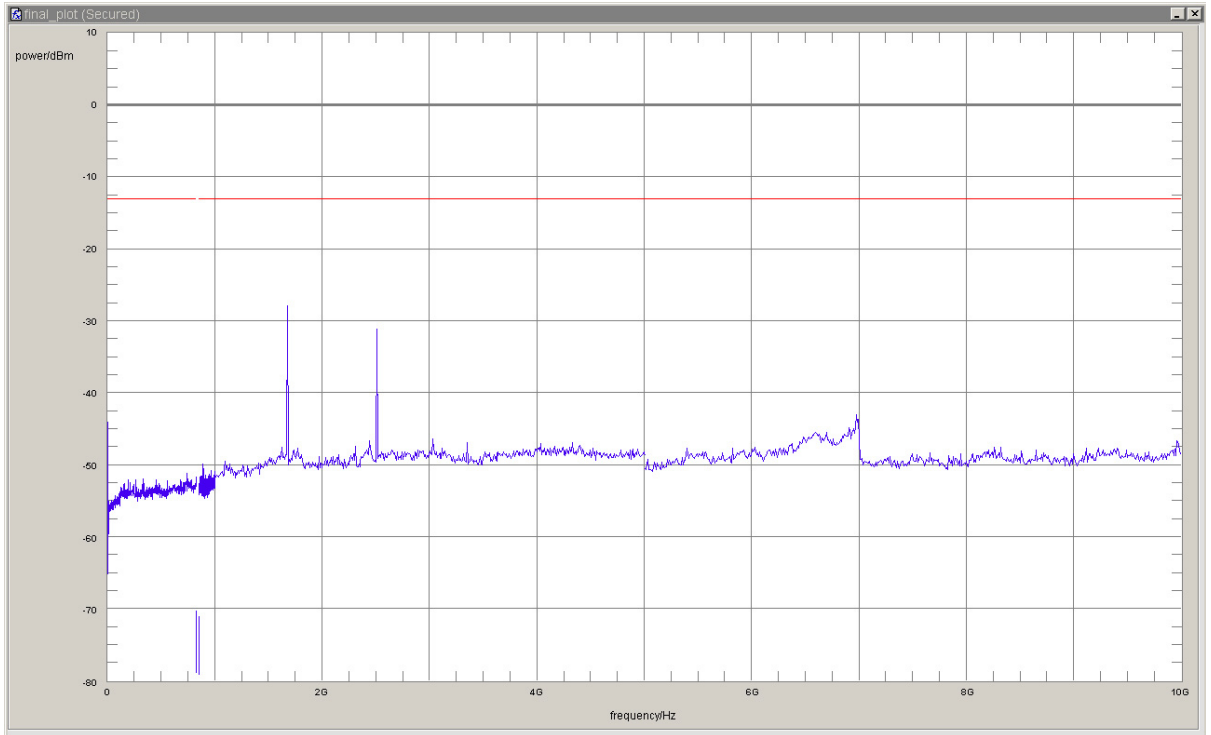
Setup No.: H05

Date of Test: 2011/05/23 2:58

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	100	1673.35	-27.9	14.9	-13.0	passed
peak	maxhold	100	2507.01	-31.1	18.1	-13.0	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz

Result: Passed

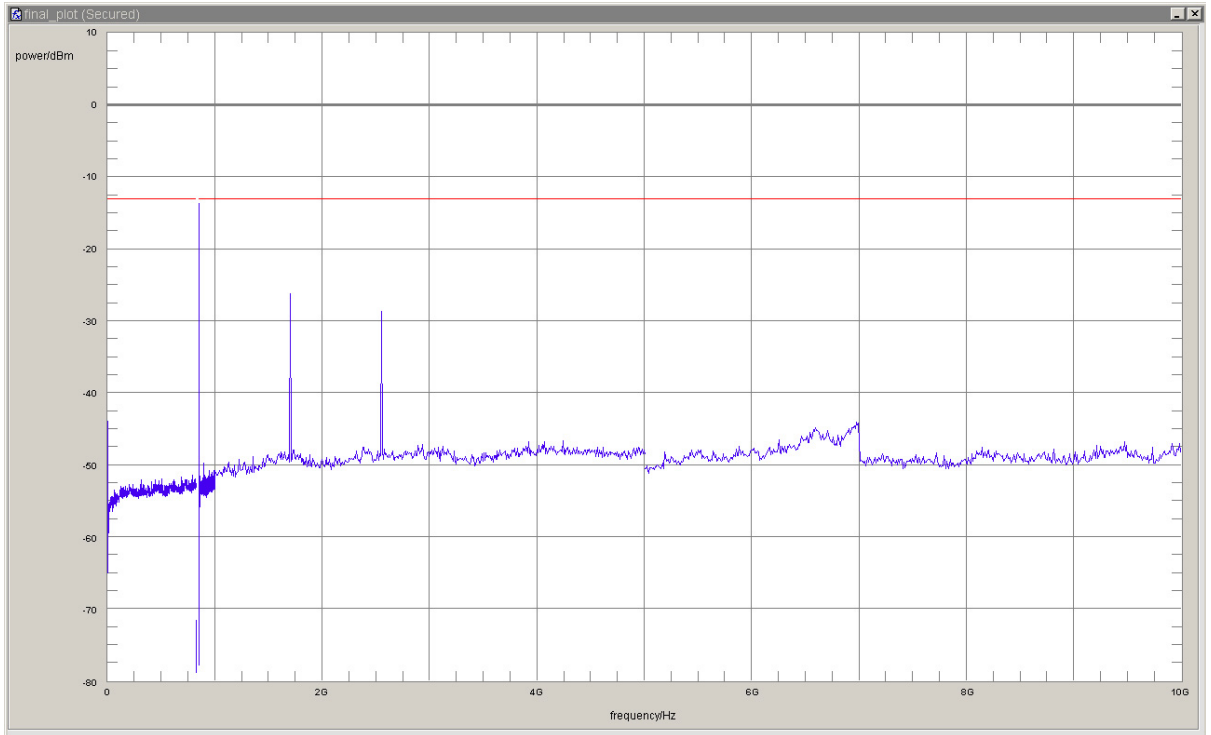
Setup No.: H05

Date of Test: 2011/05/23 3:41

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	3	849.0020	-13.6	0.6	-13.0	passed
peak	maxhold	3	849.0120	-16.7	3.7	-13.0	passed
peak	maxhold	3	849.0240	-14.9	1.9	-13.0	passed
peak	maxhold	3	849.0361	-16.5	3.5	-13.0	passed
peak	maxhold	3	849.0521	-20.2	7.2	-13.0	passed
peak	maxhold	3	849.0621	-22.5	9.5	-13.0	passed
peak	maxhold	3	849.0962	-30.1	17.1	-13.0	passed
peak	maxhold	100	1697.39	-26.2	13.2	-13.0	passed
peak	maxhold	100	2547.09	-28.7	15.7	-13.0	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz

Result: Passed

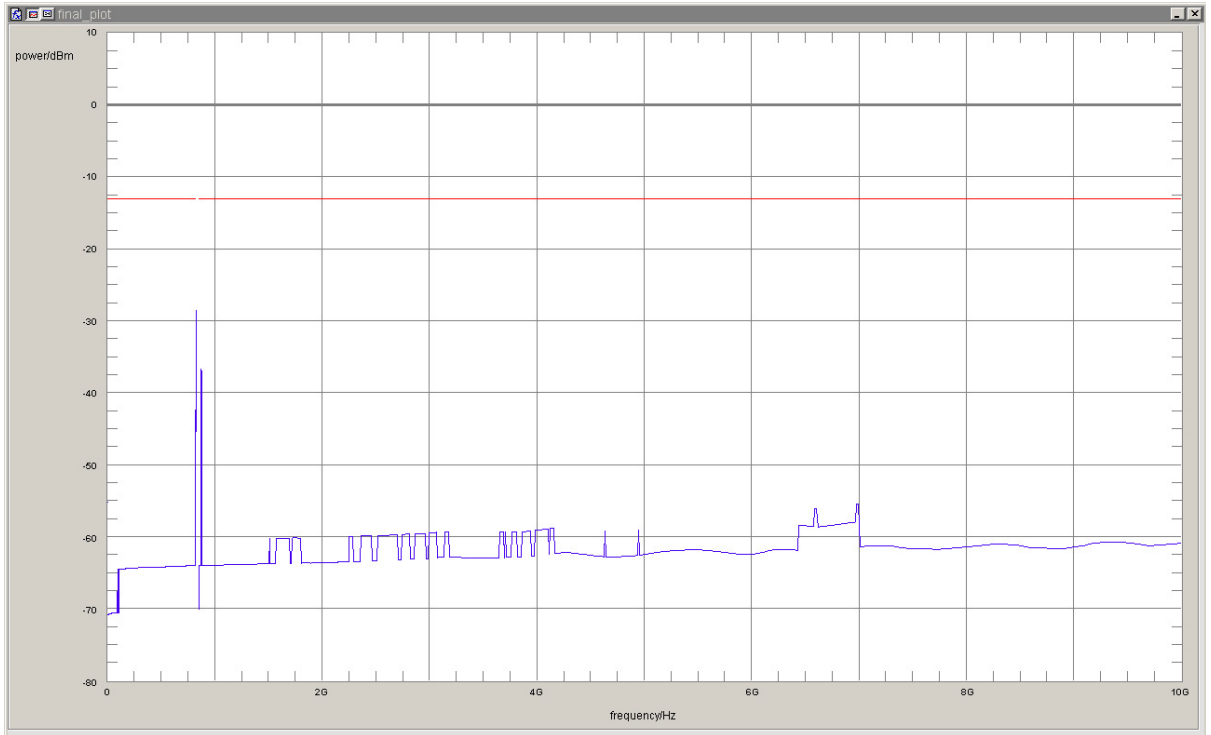
Setup No.: H05

Date of Test: 2011/05/30 9:36

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	100	822.86	-31.3	18.3	-13.0	passed
rms	maxhold	50	823.98	-28.5	15.5	-13.0	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz

Result: Passed

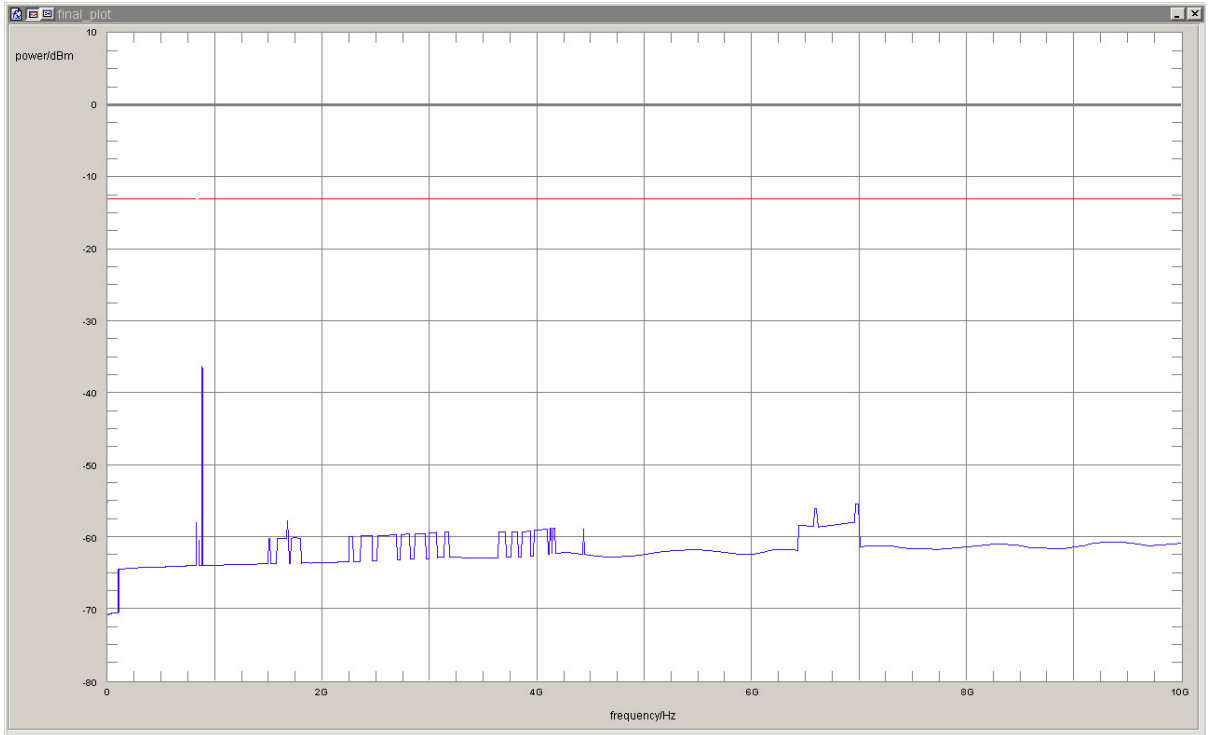
Setup No.: H05

Date of Test: 2011/05/30 9:41

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Detailed Results:



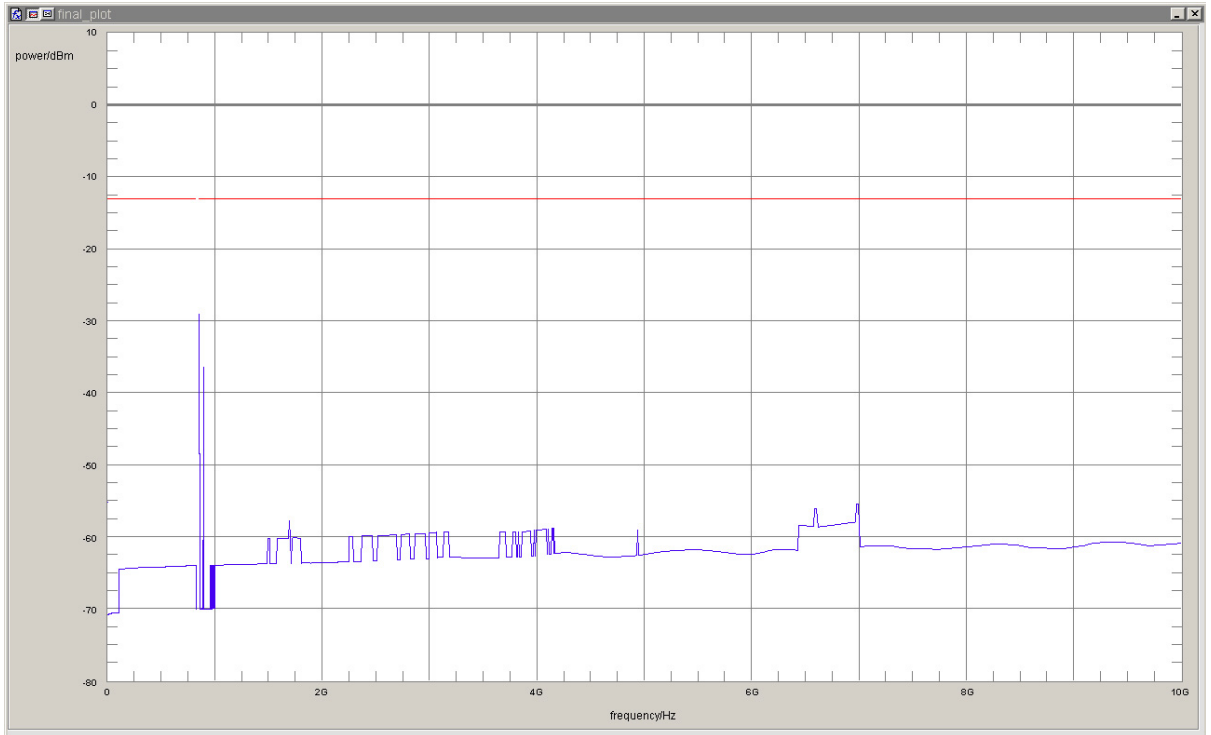
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	100	880.060	-36.35	23.35	-13	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 9:44
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:



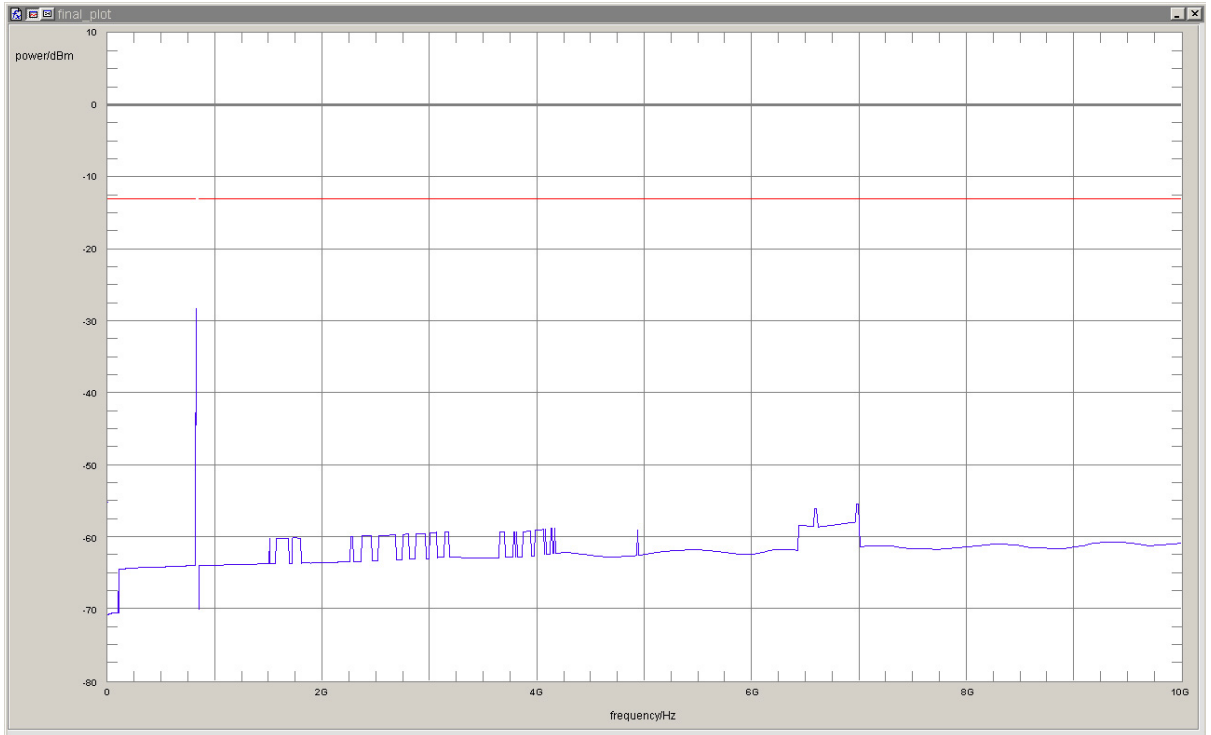
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	50	849.02	-29.0	16.0	-13.0	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 8:22
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	100	822.98	-29.8	16.8	-13.0	passed
rms	maxhold	50	823.96	-28.3	15.3	-13.0	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz

Result: Passed

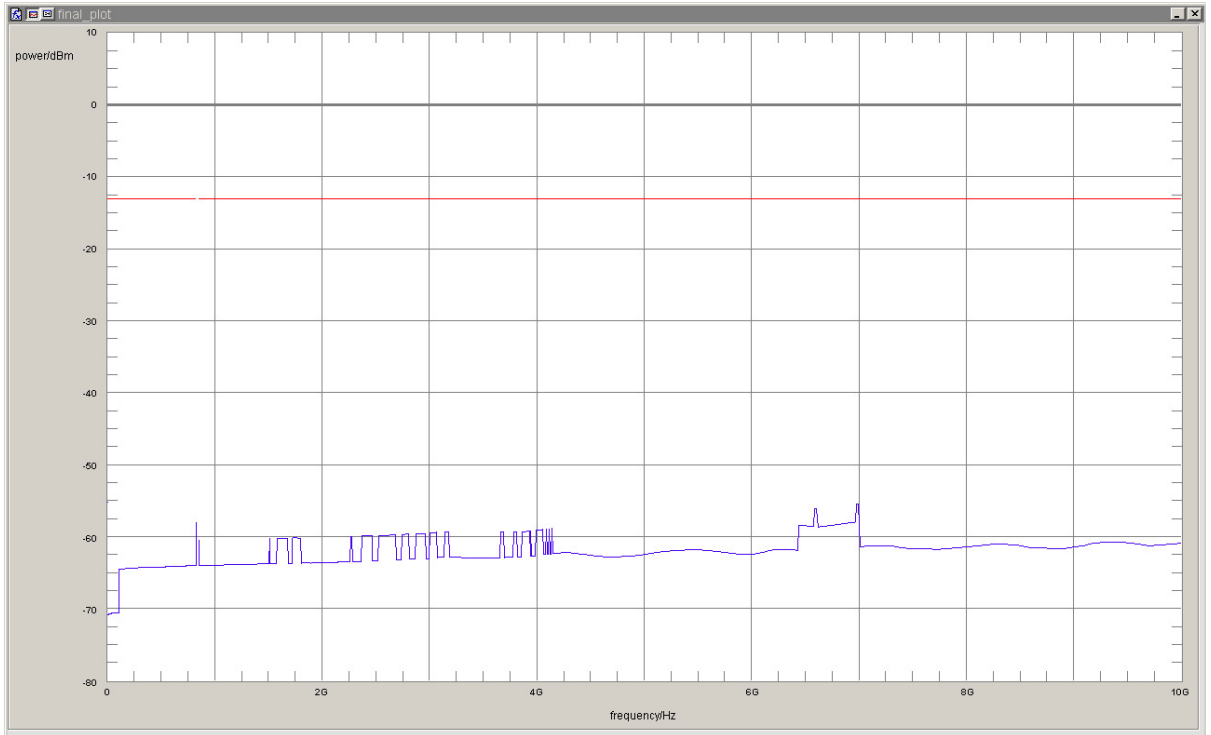
Setup No.: H05

Date of Test: 2011/05/30 8:30

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Detailed Results:



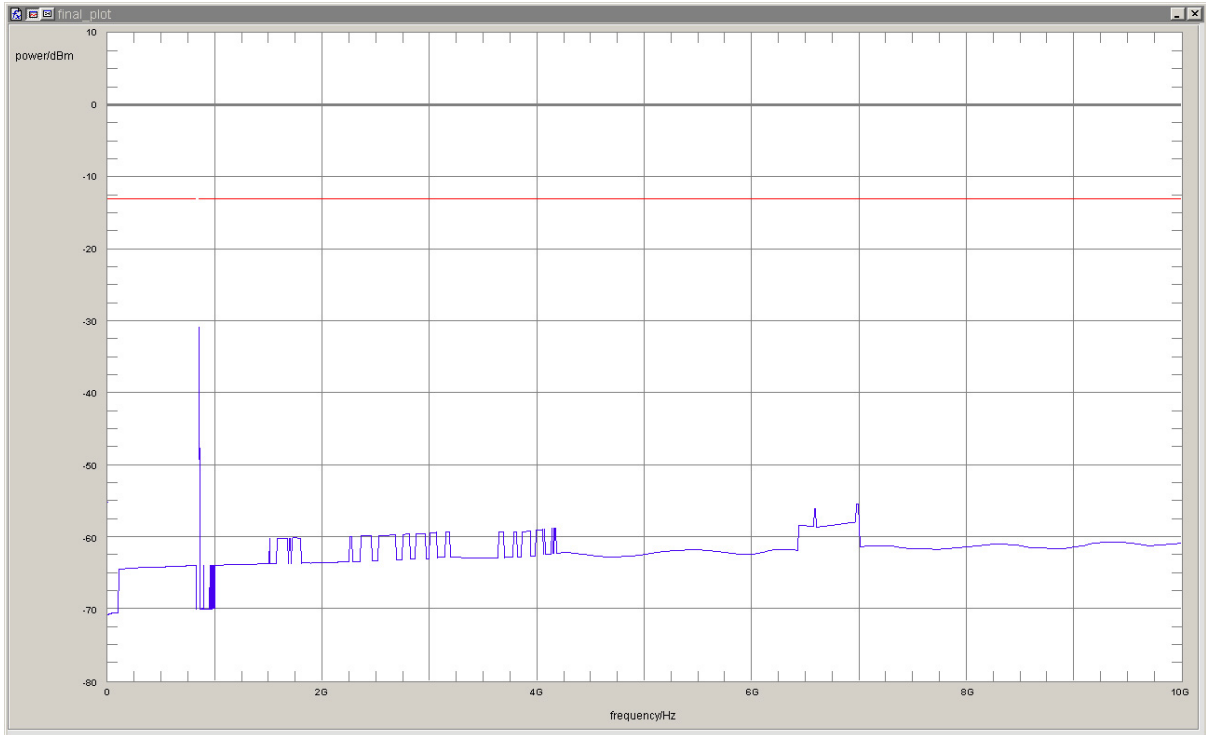
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	1	0.009	-55.22	42.22	-13	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz

Result: Passed
Setup No.: H05
Date of Test: 2011/05/30 8:39
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	50	849.02	-30.9	17.9	-13.0	passed
rms	maxhold	100	850.05	-32.6	19.6	-13.0	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz

Result: Passed

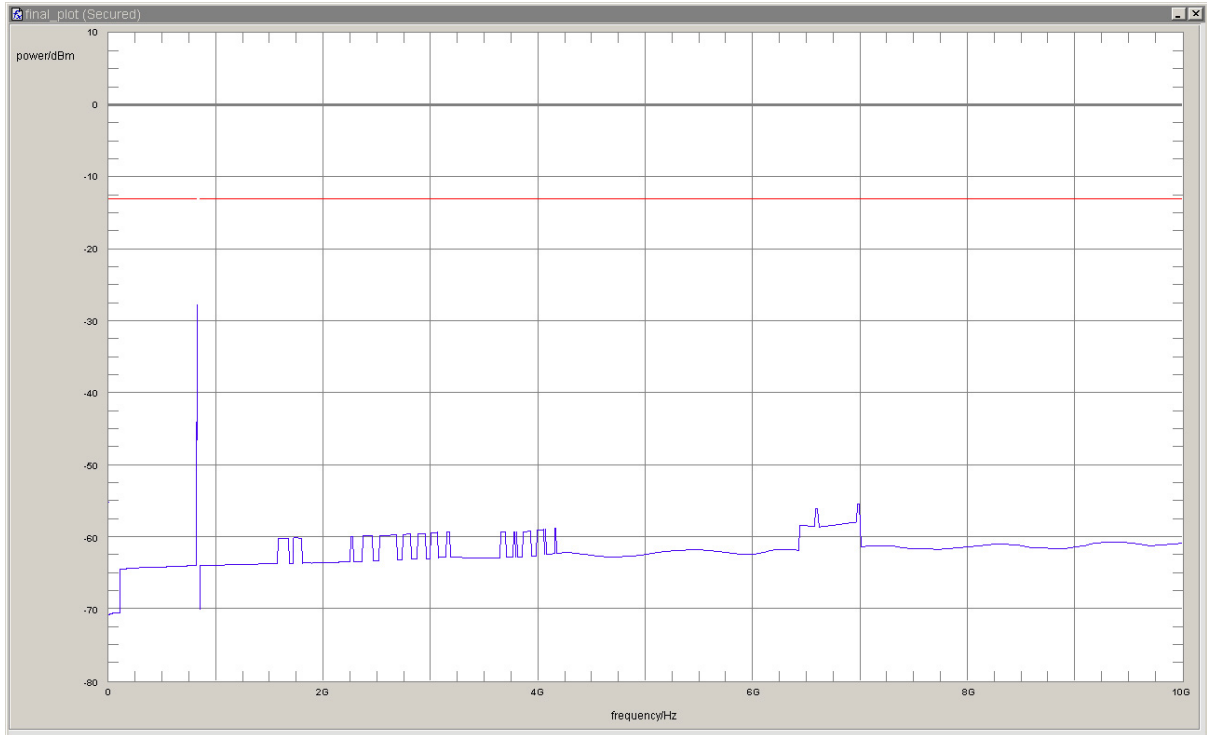
Setup No.: H05

Date of Test: 2011/05/23 3:47

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Detailed Results:



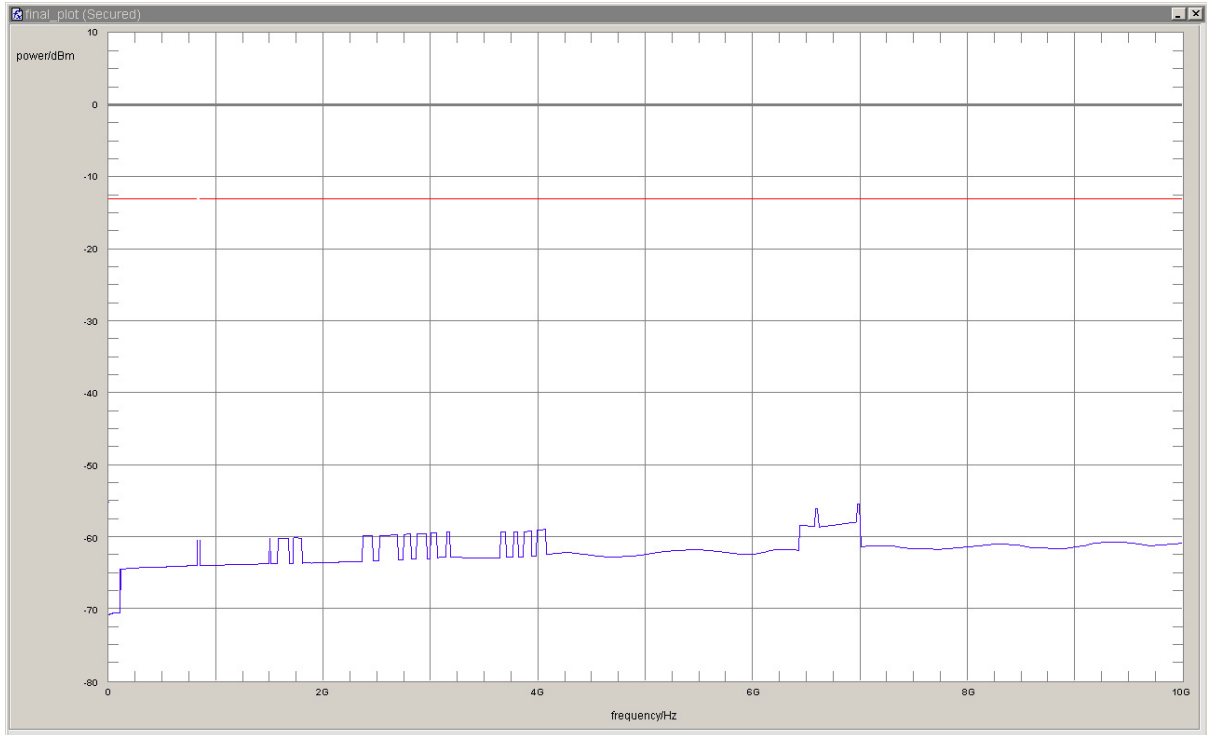
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	100	822.84	-30.9	17.9	-13.0	passed
rms	maxhold	50	823.97	-27.8	14.8	-13.0	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz

Result: Passed
 Setup No.: H05
 Date of Test: 2011/05/23 3:55
 Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
 Test Specification: FCC part 2 and 22

Detailed Results:



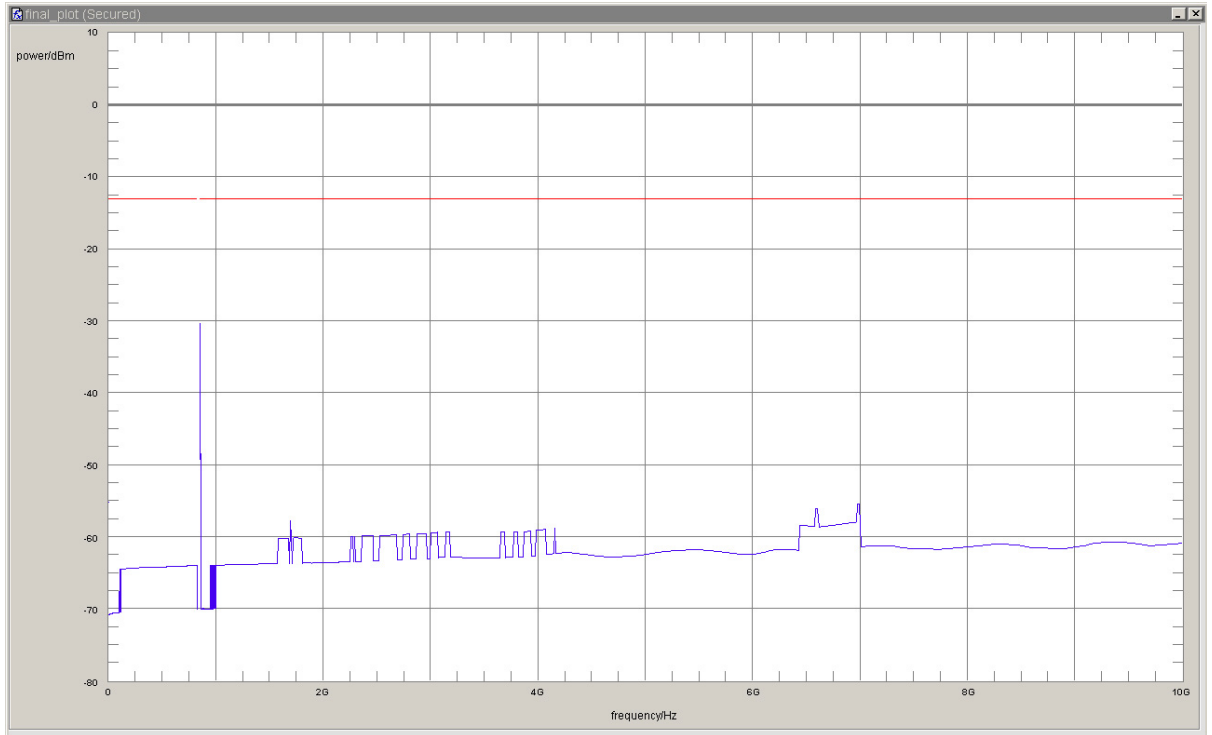
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	1	0.009	-55.22	42.22	-13	passed

no further values have been found with a margin of less than 20 dB

Test: 22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz

Result: Passed
Setup No.: H05
Date of Test: 2011/05/23 4:02
Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	50	849.01	-30.4	17.4	-13.0	passed

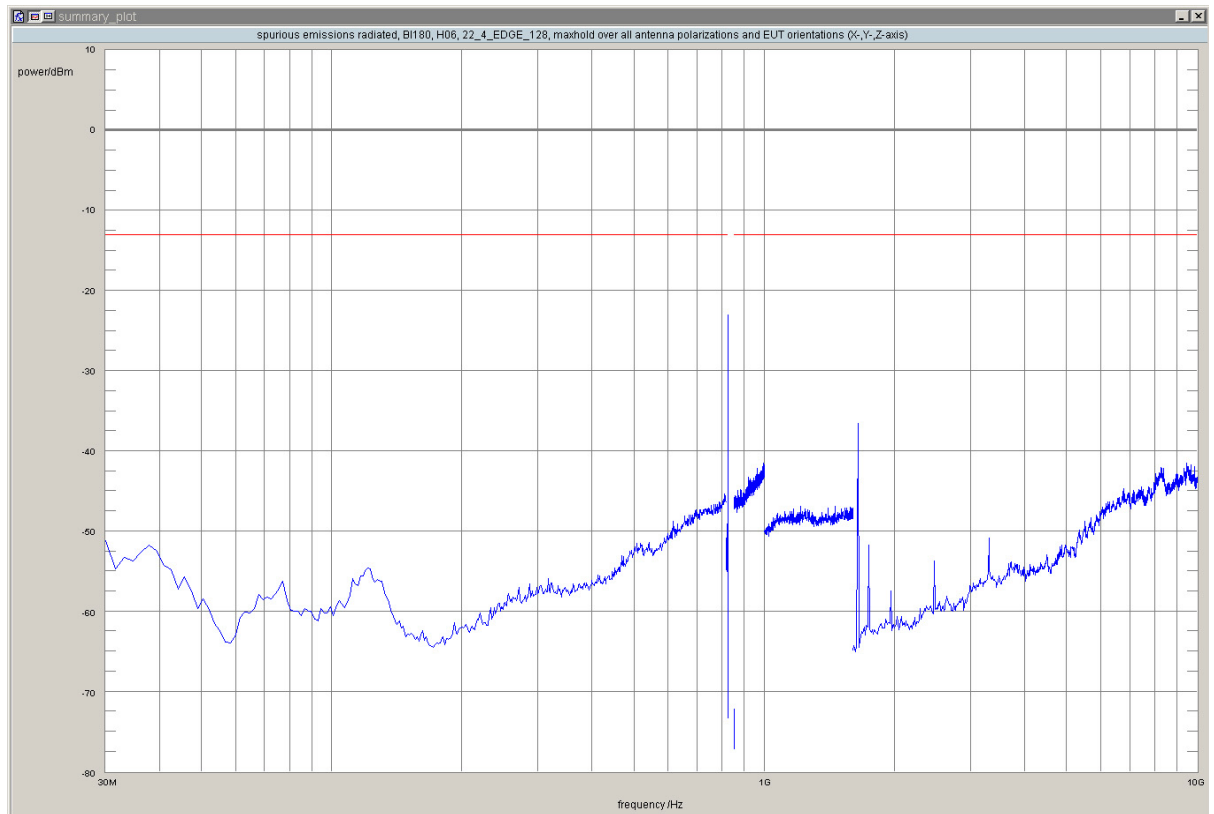
no further values have been found with a margin of less than 20 dB

3.5.4 22.4 Field strength of spurious radiation §2.1053, §22.917

Test: 22.4; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz

Result: Passed
 Setup No.: H06_rad
 Date of Test: 2011/05/30 17:22
 Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
 Test Specification: FCC part 2 and 22

Detailed Results:



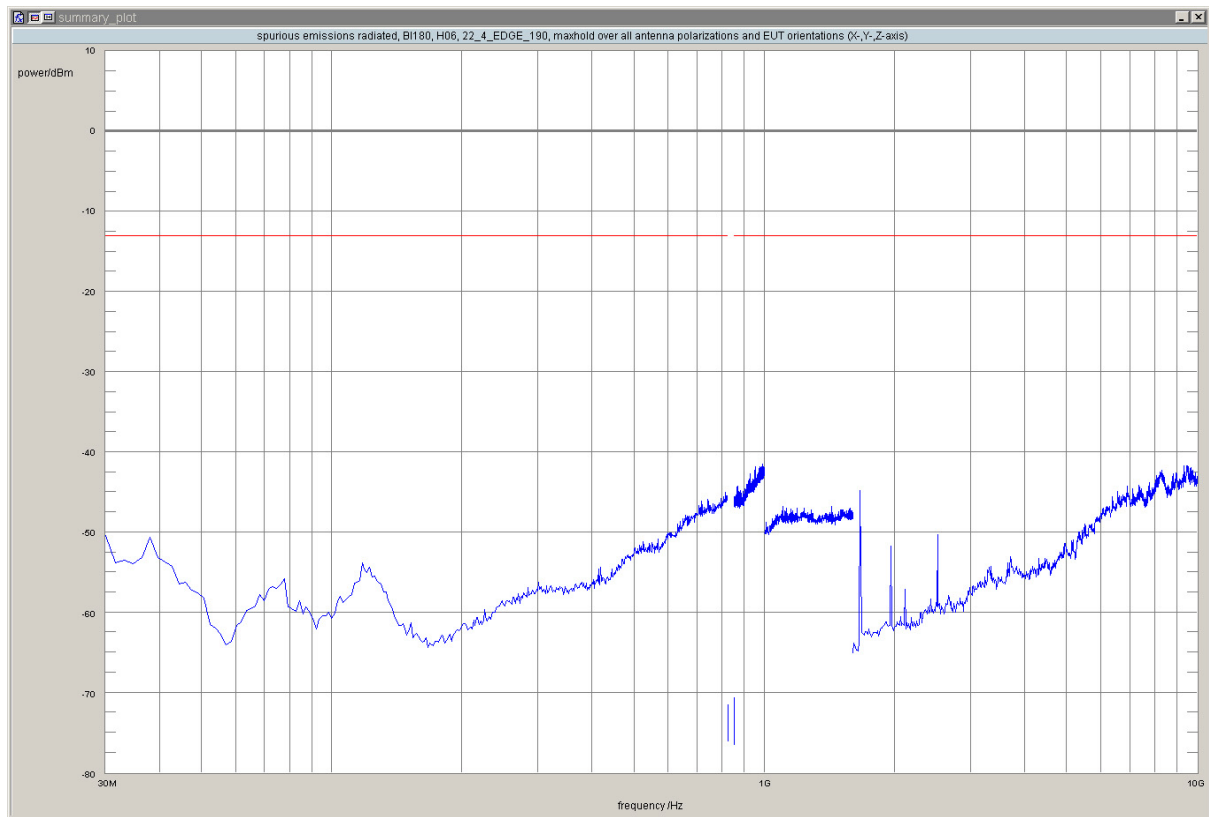
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	limit /dBm	margin to limit /dB	azimuth /°	antenna polarization	EUT orientation	verdict
peak	maxhold	3	823.9339	-29.30	-13.00	16.30	-180.0	horizontal	vertical	passed
peak	maxhold	3	823.9419	-30.67	-13.00	17.67	-180.0	horizontal	vertical	passed
peak	maxhold	3	823.9639	-27.48	-13.00	14.48	-180.0	horizontal	vertical	passed
peak	maxhold	3	823.9699	-32.60	-13.00	19.60	-180.0	vertical	horizontal	passed
peak	maxhold	3	823.9739	-28.47	-13.00	15.47	0.0	horizontal	horizontal	passed
peak	maxhold	3	823.9780	-27.94	-13.00	14.94	0.0	horizontal	vertical	passed
peak	maxhold	3	823.9820	-23.05	-13.00	10.05	-180.0	horizontal	vertical	passed
peak	maxhold	3	823.9880	-28.70	-13.00	15.70	0.0	horizontal	horizontal	passed
peak	maxhold	3	823.9960	-28.75	-13.00	15.75	-180.0	horizontal	vertical	passed

no further values have been found with a margin of less than 20 dB

Test: 22.4; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz

Result: Passed
 Setup No.: H06_rad
 Date of Test: 2011/05/30 15:19
 Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
 Test Specification: FCC part 2 and 22

Detailed Results:



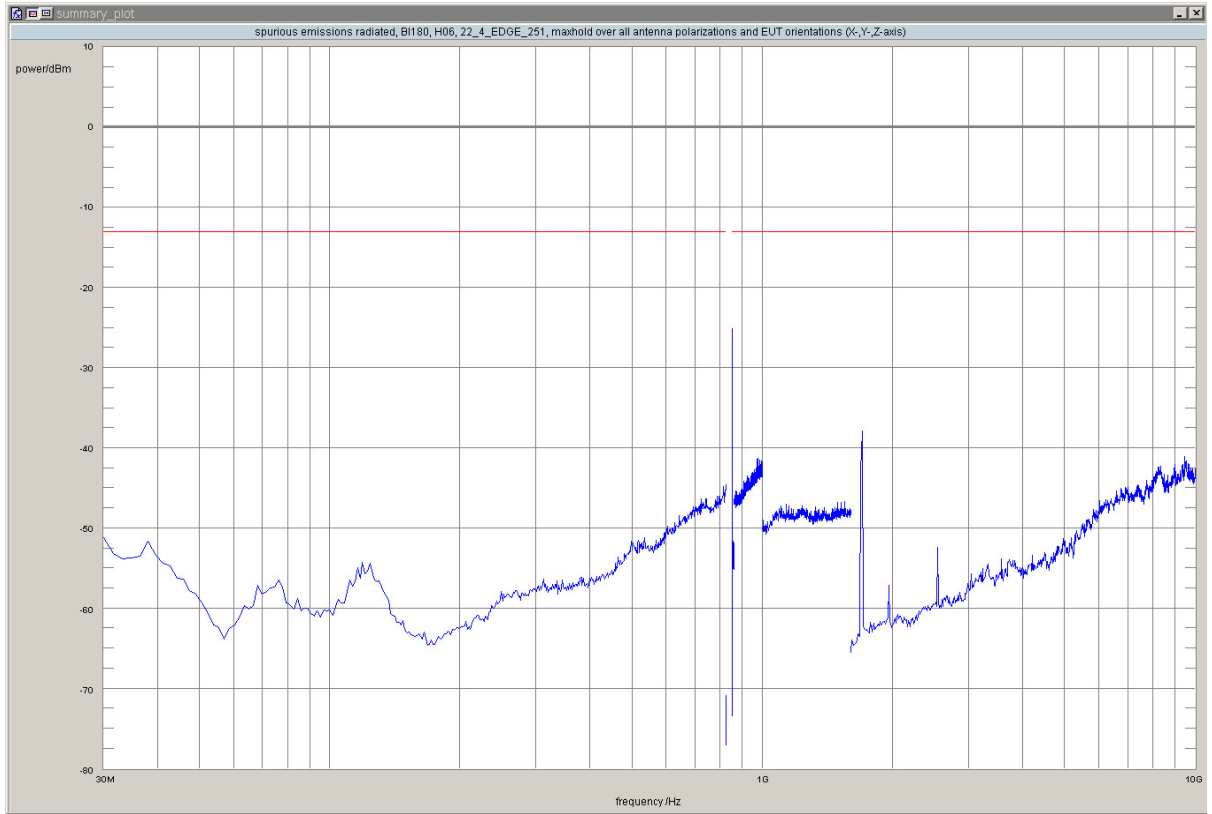
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	limit /dBm	margin to limit /dB	azimuth /°	antenna polarization	EUT orientation	verdict
peak	maxhold	1000	988.6	-41.45	-13.00	28.45	90.0	horizontal	vertical	passed

no further values have been found with a margin of less than 20 dB

Test: 22.4; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz

Result: Passed
 Setup No.: H06_rad
 Date of Test: 2011/05/30 16:21
 Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
 Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	limit /dBm	margin to limit /dB	azimuth /°	antenna polarization	EUT orientation	verdict
peak	maxhold	3	849.0040	-27.85	-13.00	14.85	-180.0	horizontal	horizontal	passed
peak	maxhold	3	849.0220	-25.09	-13.00	12.09	-180.0	horizontal	horizontal	passed
peak	maxhold	3	849.0341	-25.09	-13.00	12.09	-180.0	horizontal	horizontal	passed
peak	maxhold	3	849.0701	-30.13	-13.00	17.13	-180.0	horizontal	vertical	passed

no further values have been found with a margin of less than 20 dB

Test: 22.4; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz

Result: Passed

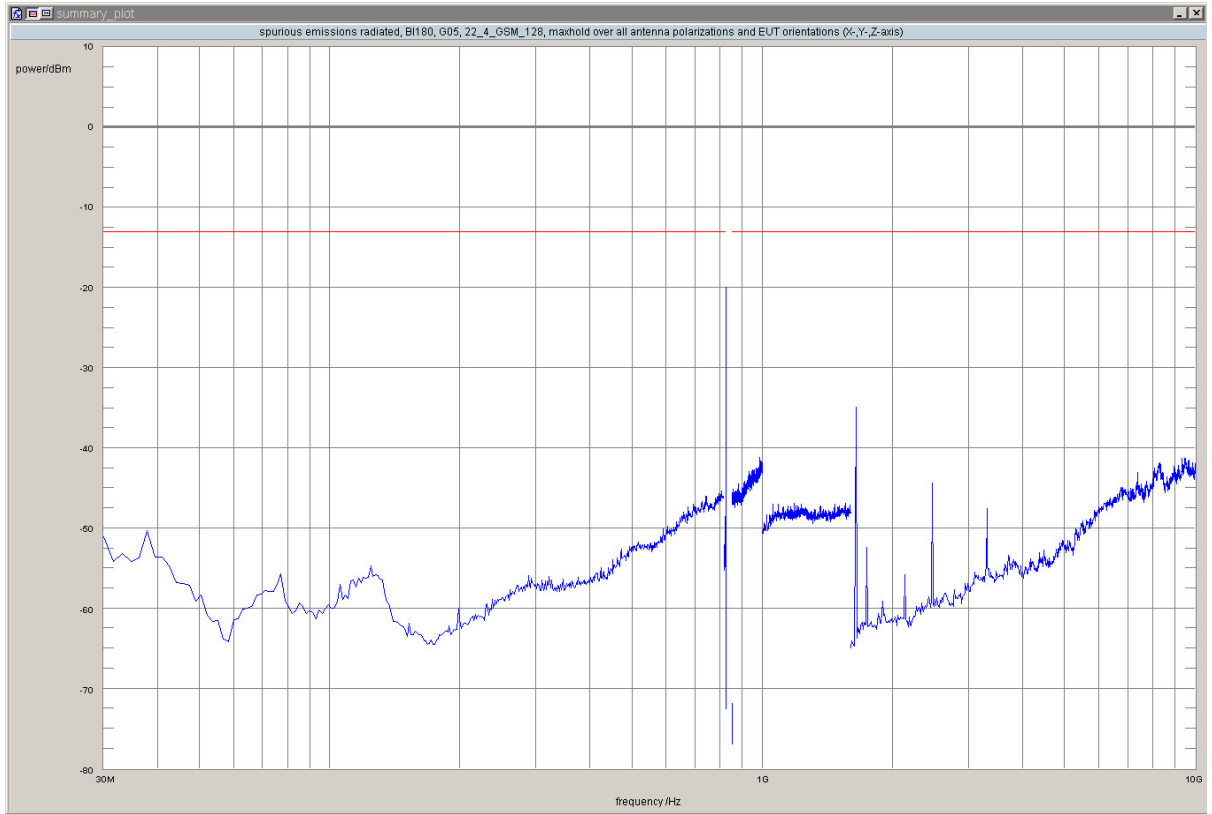
Setup No.: G05_rad

Date of Test: 2011/05/10 18:39

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	limit /dBm	margin to limit /dB	azimuth /°	antenna polarization	EUT orientation	verdict
peak	maxhold	3	823.9259	-32.72	-13.00	19.72	-180.0	horizontal	horizontal	passed
peak	maxhold	3	823.9319	-30.57	-13.00	17.57	-180.0	horizontal	vertical	passed
peak	maxhold	3	823.9399	-28.41	-13.00	15.41	-180.0	horizontal	vertical	passed
peak	maxhold	3	823.9519	-26.44	-13.00	13.44	-180.0	horizontal	vertical	passed
peak	maxhold	3	823.9579	-22.69	-13.00	9.69	-180.0	horizontal	vertical	passed
peak	maxhold	3	823.9619	-27.60	-13.00	14.60	-180.0	horizontal	horizontal	passed
peak	maxhold	3	823.9840	-21.06	-13.00	8.06	-180.0	horizontal	vertical	passed
peak	maxhold	3	823.9960	-19.91	-13.00	6.91	-180.0	horizontal	vertical	passed

no further values have been found with a margin of less than 20 dB

Test: 22.4; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz

Result: Passed

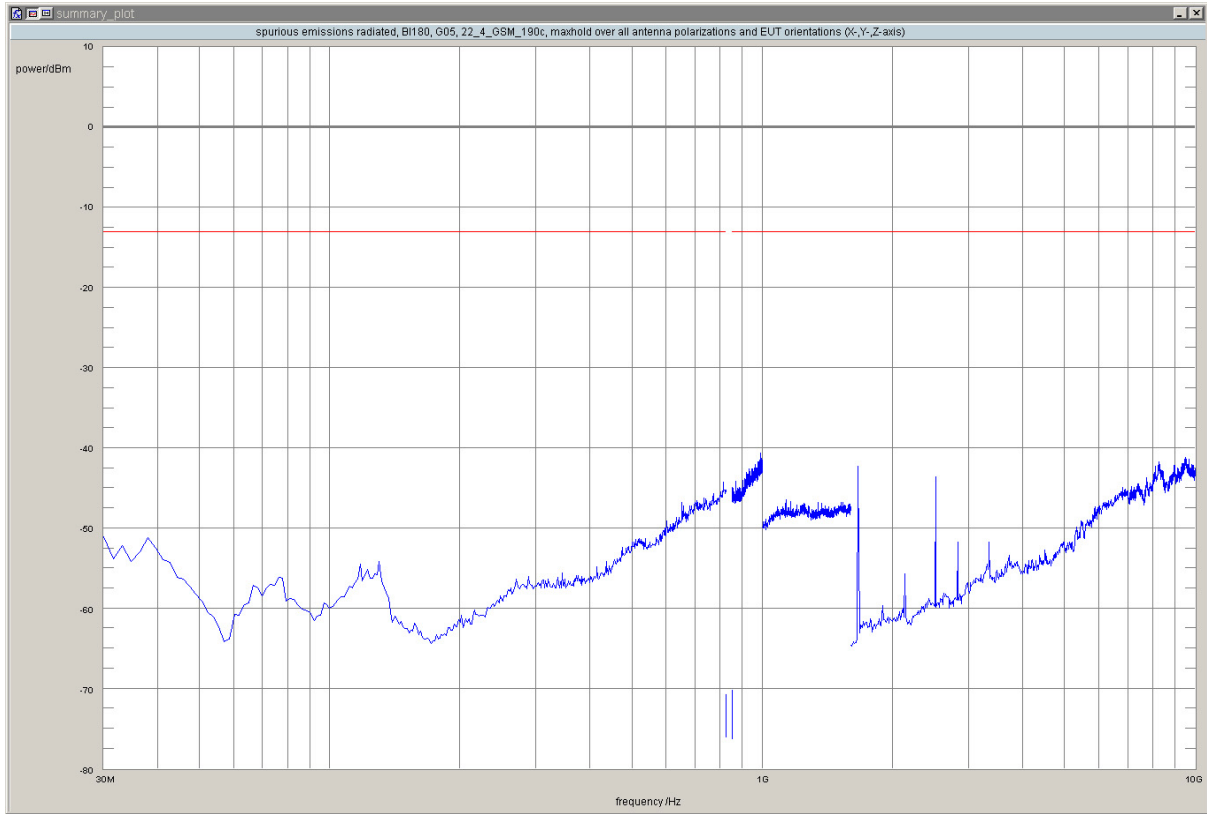
Setup No.: G05_rad

Date of Test: 2011/05/10 18:37

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	limit /dBm	margin to limit /dB	azimuth /°	antenna polarization	EUT orientation	verdict
peak	maxhold	1000	991.0	-40.59	-13.00	27.59	0.0	horizontal	vertical	passed

no further values have been found with a margin of less than 20 dB

Test: 22.4; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz

Result: Passed

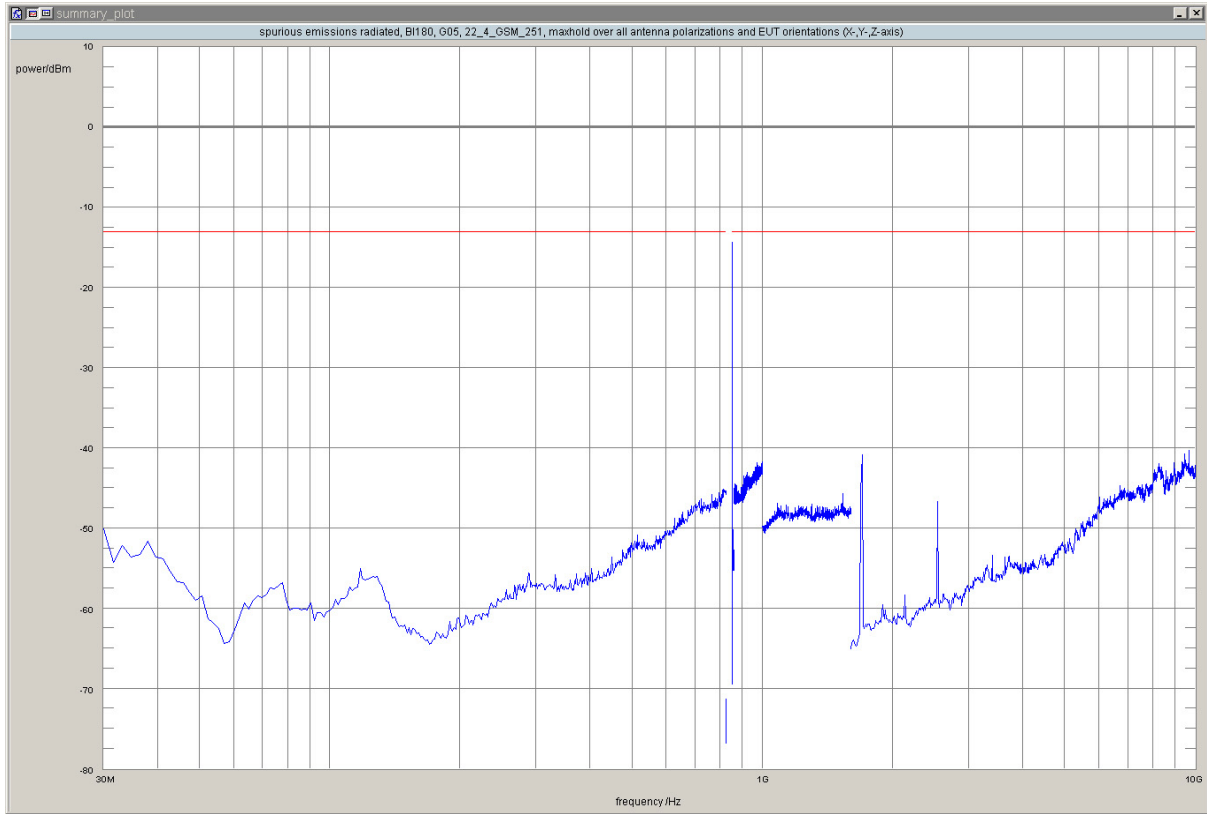
Setup No.: G05_rad

Date of Test: 2011/05/10 18:30

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	limit /dBm	margin to limit /dB	azimuth /°	antenna polarization	EUT orientation	verdict
peak	maxhold	3	849.0000	-23.72	-13.00	10.72	-180.0	horizontal	horizontal	passed
peak	maxhold	3	849.0040	-17.46	-13.00	4.46	-180.0	horizontal	vertical	passed
peak	maxhold	3	849.0120	-27.23	-13.00	14.23	90.0	vertical	vertical	passed
peak	maxhold	3	849.0160	-14.28	-13.00	1.28	-180.0	horizontal	vertical	passed
peak	maxhold	3	849.0301	-29.28	-13.00	16.28	0.0	horizontal	horizontal	passed
peak	maxhold	3	849.0381	-18.90	-13.00	5.90	-180.0	horizontal	vertical	passed
peak	maxhold	3	849.0481	-23.77	-13.00	10.77	-180.0	horizontal	horizontal	passed
peak	maxhold	3	849.0541	-24.18	-13.00	11.18	90.0	horizontal	vertical	passed
peak	maxhold	3	849.0621	-30.20	-13.00	17.20	0.0	vertical	horizontal	passed
peak	maxhold	3	849.0701	-26.88	-13.00	13.88	-180.0	horizontal	vertical	passed

no further values have been found with a margin of less than 20 dB

Test: 22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz

Result: Passed

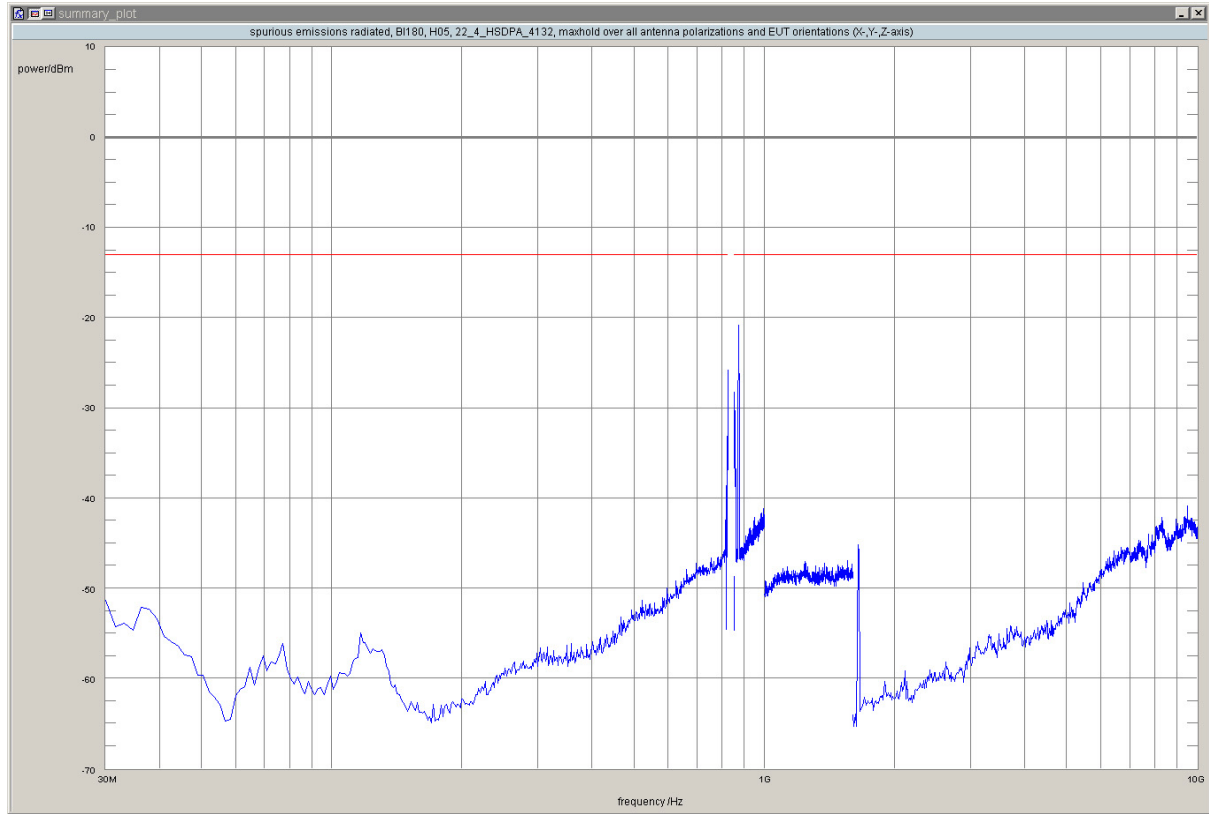
Setup No.: H05_rad

Date of Test: 2011/05/10 22:31

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Detailed Results:



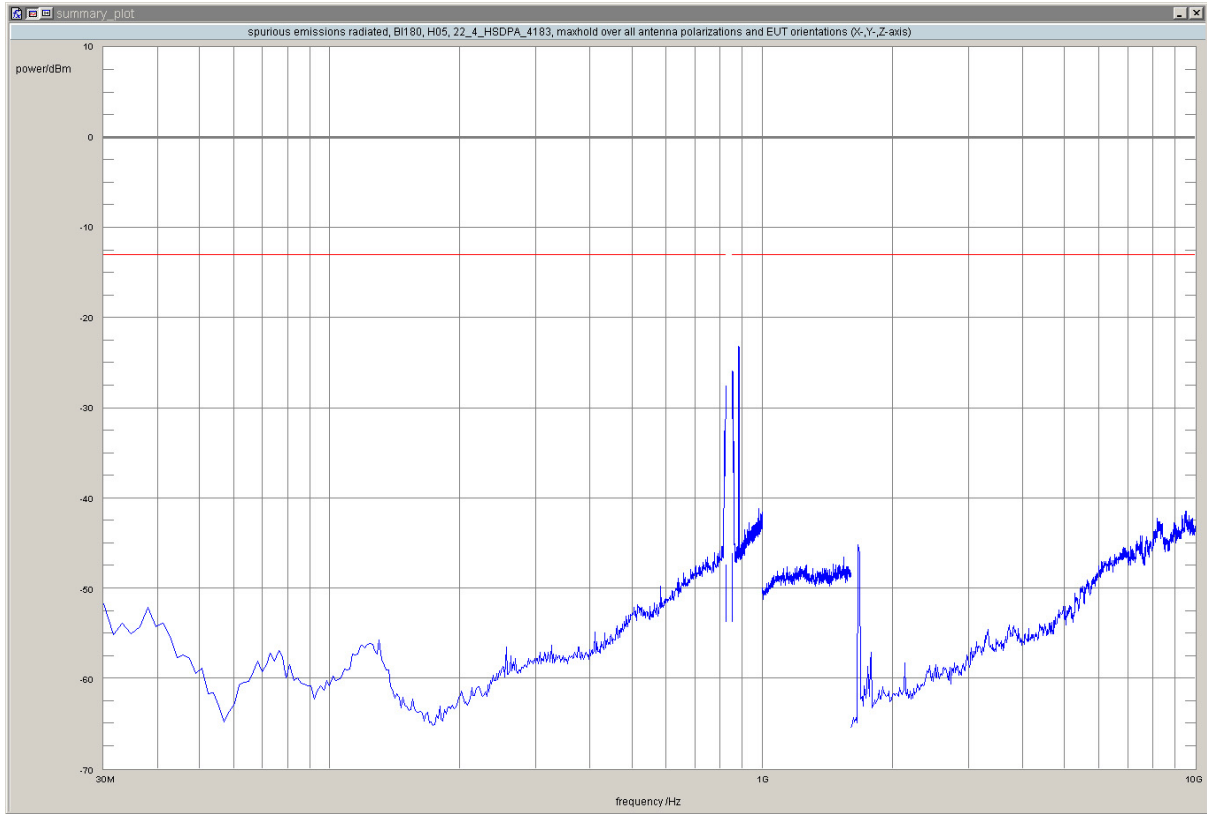
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	limit /dBm	margin to limit /dB	azimuth /°	antenna polarization	EUT orientation	verdict
peak	maxhold	100	822.69	-26.38	-13.00	13.38	-180.0	horizontal	vertical	passed
peak	maxhold	100	822.89	-27.80	-13.00	14.80	-180.0	vertical	horizontal	passed
peak	maxhold	50	823.09	-32.43	-13.00	19.43	-180.0	vertical	horizontal	passed
peak	maxhold	50	823.24	-30.96	-13.00	17.96	-180.0	horizontal	vertical	passed
peak	maxhold	50	823.43	-31.29	-13.00	18.29	-180.0	horizontal	vertical	passed
peak	maxhold	50	823.61	-31.48	-13.00	18.48	-180.0	vertical	horizontal	passed
peak	maxhold	50	823.73	-31.92	-13.00	18.92	-180.0	horizontal	horizontal	passed
peak	maxhold	50	823.80	-31.93	-13.00	18.93	-180.0	horizontal	horizontal	passed
peak	maxhold	50	823.96	-25.83	-13.00	12.83	-180.0	horizontal	vertical	passed
peak	maxhold	1000	850.0	-28.25	-13.00	15.25	90.0	horizontal	vertical	passed
peak	maxhold	1000	853.6	-30.34	-13.00	17.34	90.0	horizontal	vertical	passed
peak	maxhold	1000	870.1	-20.82	-13.00	7.82	90.0	vertical	vertical	passed
peak	maxhold	1000	872.2	-32.27	-13.00	19.27	0.0	vertical	horizontal	passed

no further values have been found with a margin of less than 20 dB

Test: 22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz

Result: Passed
 Setup No.: H05_rad
 Date of Test: 2011/05/10 23:09
 Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
 Test Specification: FCC part 2 and 22

Detailed Results:



detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	limit /dBm	margin to limit /dB	azimuth /°	antenna polarization	EUT orientation	verdict
peak	maxhold	1000	816.6	-32.56	-13.00	19.56	-180.0	horizontal	vertical	passed
peak	maxhold	1000	821.4	-30.50	-13.00	17.50	90.0	vertical	vertical	passed
peak	maxhold	1000	823.0	-27.48	-13.00	14.48	-180.0	horizontal	vertical	passed
peak	maxhold	1000	850.3	-25.85	-13.00	12.85	-90.0	vertical	vertical	passed
peak	maxhold	1000	856.3	-31.36	-13.00	18.36	-180.0	horizontal	vertical	passed
peak	maxhold	1000	880.4	-23.19	-13.00	10.19	-180.0	horizontal	horizontal	passed

no further values have been found with a margin of less than 20 dB

Test: 22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz

Result: Passed
 Setup No.: H05_rad
 Date of Test: 2011/05/10 23:50
 Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES
 Test Specification: FCC part 2 and 22