7layers

InterLab®

Final Report on

Cinterion Wireless Module PH8-P
HW: Release 2, B2
SW: Revision 01.370

Report Reference:	MDE_CINTE_1107_FCCb
	acc. Title 47 CFR chapter I part 22 subpart H
Date:	September 22, 2011

Test Laboratory:

7Layers AG
Borsigstr. 11
40880 Ratingen
Germany

DAkkS
Deutsche
Akkreditierungsstelle
D-PL-12140-01-01

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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1   Administrative Data

1.1   Project Data

Project Responsible:	Mr. René Houx
Date Of Test Report:	2011/09/22
Date of first test:	2011/08/15
Date of last test:	2011/08/20

1.2   Applicant Data

Company Name: Cinterion Wireless Modules GmbH

Street:	Siemensdamm 50
City:	13629 Berlin
Country:	Germany

Contact Person: Mr. Thorsten Liebig

Function:	Manager Approval
Phone:	+49 (30) 31102-8241
E-Mail:	thorsten.liebig@cinterion.com

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

Lab ID	Identification	Responsible	Accreditation Info
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

Robert Machulec
responsible for tests performed in: Lab 1, Lab 2

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1.5 Signature of the Accreditation Responsible

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: PH8-P

Type / Model / Family:	Cinterion Wireless Module PH8-P HW: Release 2, B2 SW: Revision 01.370
Product Category:	Module

Parameter List:

Parameter name	*Value*
Parameter for Scope FCC_v2:	
Antenna gain 1900 band	not specified (dBi)
Antenna gain 850 band	not specified (dBi)
Antenna gain GPS	not specified (dBi)
DC Power Supply	4.2 (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

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2.2 Detailed Description of OUT Samples

Sample : b01

OUT Identifier	PH8-P		
Sample Description	sample #02		
Serial No.	IMEI: 004401080640028		
HW Status	Release 2, B2		
SW Status	Revision 01.370		
Date of Receipt	2011/08/05		
Low Voltage	3.3 V	*Low Temp.*	-10 °C
High Voltage	4.2 V	*High Temp.*	+55 °C
Nominal Voltage	4.2 V	*Normal Temp.*	+22 °C

2.3 OUT Features

Features for OUT: PH8-P

Designation	Description	Allowed Values	Supported Value(s)
Features for scope: FCC_v2			
AC	The OUT is powered by or connected to AC Mains		
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		

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2.4   Auxiliary Equipment

AE No.	Type Designation	Serial No.	HW Status	SW Status	Description
AE 09	-	-	-	-	Direct RF coupler to SMA
AE 02	-	-	-	-	Flex cable
AE Ant1	-	-	-	-	GSM/UMTS antenna
AE Ant2	-	-	-	-	UMTS antenna
AE Ant3	ANN-MS-0-005 M827B	601657	-	-	GPS antenna
AE 01	DSB75_B1.1_0152	-	-	-	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.

Setup No.	List of OUT samples		List of auxiliary equipment	
	Sample No.	Sample Description	AE No.	AE Description

B01_direct   (used for measurement using antenna port at the module)

Sample: b01		sample #02	AE 09	Direct RF coupler to SMA
			AE 02	Flex cable
			AE 01	Evaluation board

B01_rad   (used for radiated measurement using external antennas)

Sample: b01		sample #02	AE 02	Flex cable
			AE Ant1	GSM/UMTS antenna
			AE Ant2	UMTS antenna
			AE Ant3	GPS antenna
			AE 01	Evaluation board

B01_RF1   (used for measurement at external RF connector RF1)

Sample: b01		sample #02	AE 02	Flex cable
			AE 01	Evaluation board

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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.

3.2   List of the Applicable Body

(Body for Scope: FCC_v2)

Designation	Description
FCC47CFRChIPART22PUBLIC MOBILE SERVICES	Part 22, Subpart H - Cellular Radiotelephone Service

3.3   List of Test Specification

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

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3.4   Summary

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
22.1 RF Power Output §2.1046, §22.913				
22.1; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_1, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct

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Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
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	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/08/20	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.1; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz, Method = conducted	Passed	2011/08/19	Lab 2	B01_direct
22.2 Frequency stability §2.1055				
22.2; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_RF1
22.2; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_RF1
22.2; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_RF1
22.2; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_RF1
22.2; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_RF1

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| Test Case Identifier / Name | | | Lab | |
Test (condition)	Result	Date of Test	Ref.	Setup
22.3 Spurious emissions at antenna terminals §2.1051, §22.917				
22.3; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz,	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.3; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/08/19	Lab 2	B01_direct

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
22.4 Field strength of spurious radiation §2.1053, §22.917				
22.4; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz	Passed	2011/08/17	Lab 1	B01_rad
22.4; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz	Passed	2011/08/17	Lab 1	B01_rad
22.4; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz	Passed	2011/08/17	Lab 1	B01_rad
22.4; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz	Passed	2011/08/17	Lab 1	B01_rad
22.4; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz	Passed	2011/08/17	Lab 1	B01_rad
22.4; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz	Passed	2011/08/17	Lab 1	B01_rad
22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/08/16	Lab 1	B01_rad
22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/08/16	Lab 1	B01_rad
22.4; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/08/16	Lab 1	B01_rad
22.4; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/08/15	Lab 1	B01_rad
22.4; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/08/15	Lab 1	B01_rad
22.4; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/08/15	Lab 1	B01_rad
22.4; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/08/16	Lab 1	B01_rad
22.4; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/08/16	Lab 1	B01_rad
22.4; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/08/16	Lab 1	B01_rad

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Test (condition)	Result	Date of Test	Lab Ref.	Setup
22.5 Emission and Occupied Bandwidth §2.1049, §22.917				
22.5; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = 850, Mode = EDGE, Channel = 190, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = 850, Mode = GSM, Channel = 190, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = FDD5, Mode = HSDPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = FDD5, Mode = HSUPA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4183, Frequency = 836.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.5; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/08/19	Lab 2	B01_direct

Test Case Identifier / Name Test (condition)	Result	Date of Test	Lab Ref.	Setup
22.6 Band edge compliance §2.1053, §22.917				
22.6; Frequency Band = 850, Mode = EDGE, Channel = 128, Frequency = 824.2MHz	Passed	2011/08/19	Lab 2	B01_direct
22.6; Frequency Band = 850, Mode = EDGE, Channel = 251, Frequency = 848.8MHz	Passed	2011/08/19	Lab 2	B01_direct
22.6; Frequency Band = 850, Mode = GSM, Channel = 128, Frequency = 824.2MHz	Passed	2011/08/19	Lab 2	B01_direct
22.6; Frequency Band = 850, Mode = GSM, Channel = 251, Frequency = 848.8MHz	Passed	2011/08/19	Lab 2	B01_direct
22.6; Frequency Band = FDD5, Mode = HSDPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/08/19	Lab 2	B01_direct
22.6; Frequency Band = FDD5, Mode = HSDPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.6; Frequency Band = FDD5, Mode = HSUPA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/08/19	Lab 2	B01_direct
22.6; Frequency Band = FDD5, Mode = HSUPA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/08/19	Lab 2	B01_direct
22.6; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4132, Frequency = 826.4MHz	Passed	2011/08/19	Lab 2	B01_direct
22.6; Frequency Band = FDD5, Mode = W-CDMA, Channel = 4233, Frequency = 846.6MHz	Passed	2011/08/19	Lab 2	B01_direct

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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.:	B01_direct
Date of Test:	2011/08/19 20:10
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

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Detailed Results:

Marker 1 [T1]			RBW	300 kHz	RF Att	20 dB
Ref Lvl		30.15 dBm	VBW	1 MHz		
35.5 dBm		824.19699399 MHz	SWT	5 s	Unit	dBm

Title: output power measurement
Comment A: CZ600, EDGE850, output power,
            channel 128 (824.2MHz)
Date: 19.AUG.2011 20:12:00

Reference: MDE_CINTE_1107_FCCb

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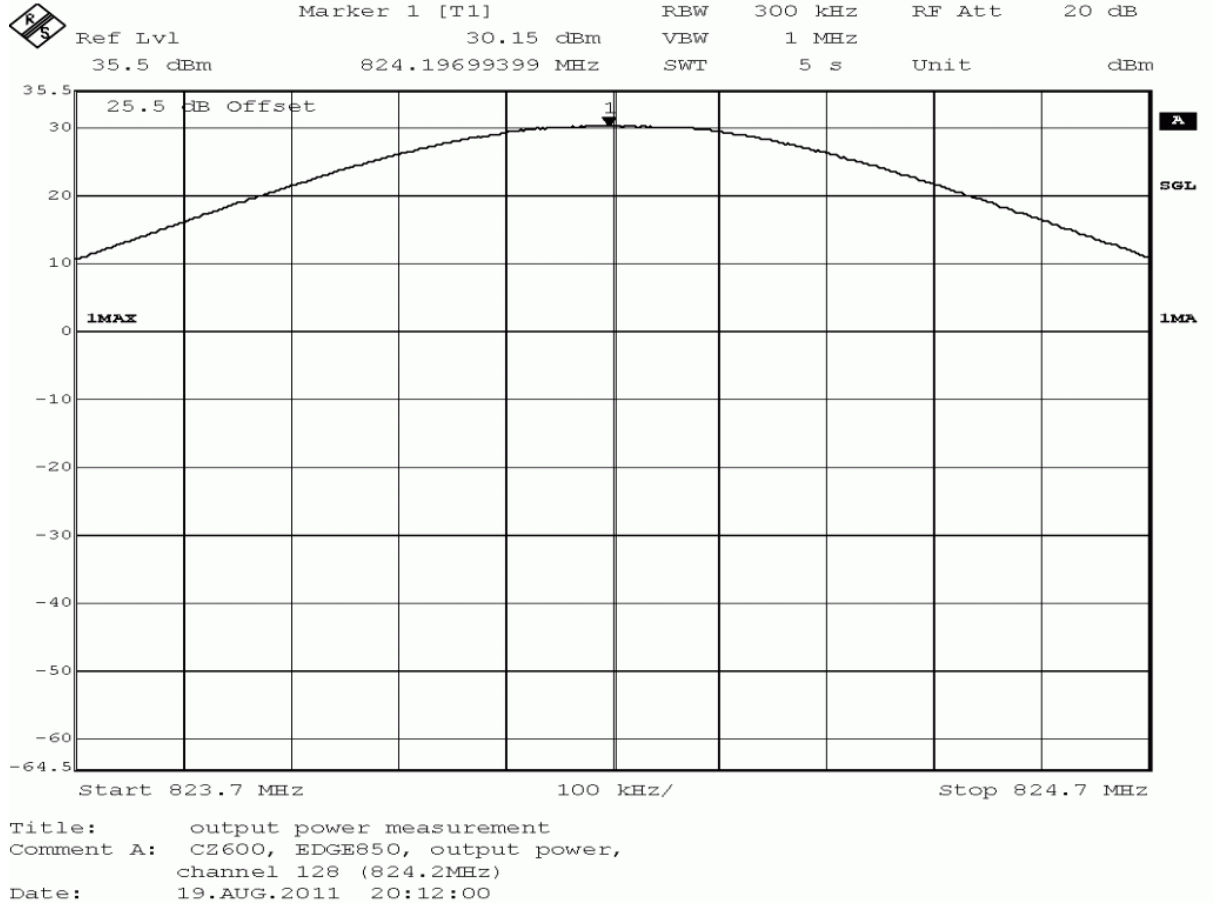
detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	300	30.15	passed
average	maxhold	300	26.37	passed
rms	maxhold	300	27.03	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.44 dBi

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

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 20:11
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

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Detailed Results:


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          Marker 1 [T1]              RBW    300 kHz    RF Att    20 dB
  Ref Lvl                  30.18 dBm  VBW    1 MHz
    35.5 dBm         836.61903808 MHz  SWT     5 s     Unit        dBm
```

```
Title:      output power measurement
Comment A:  CZ600, EDGE850, output power,
            channel 190 (836.6MHz)
Date:       19.AUG.2011  20:12:51
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H
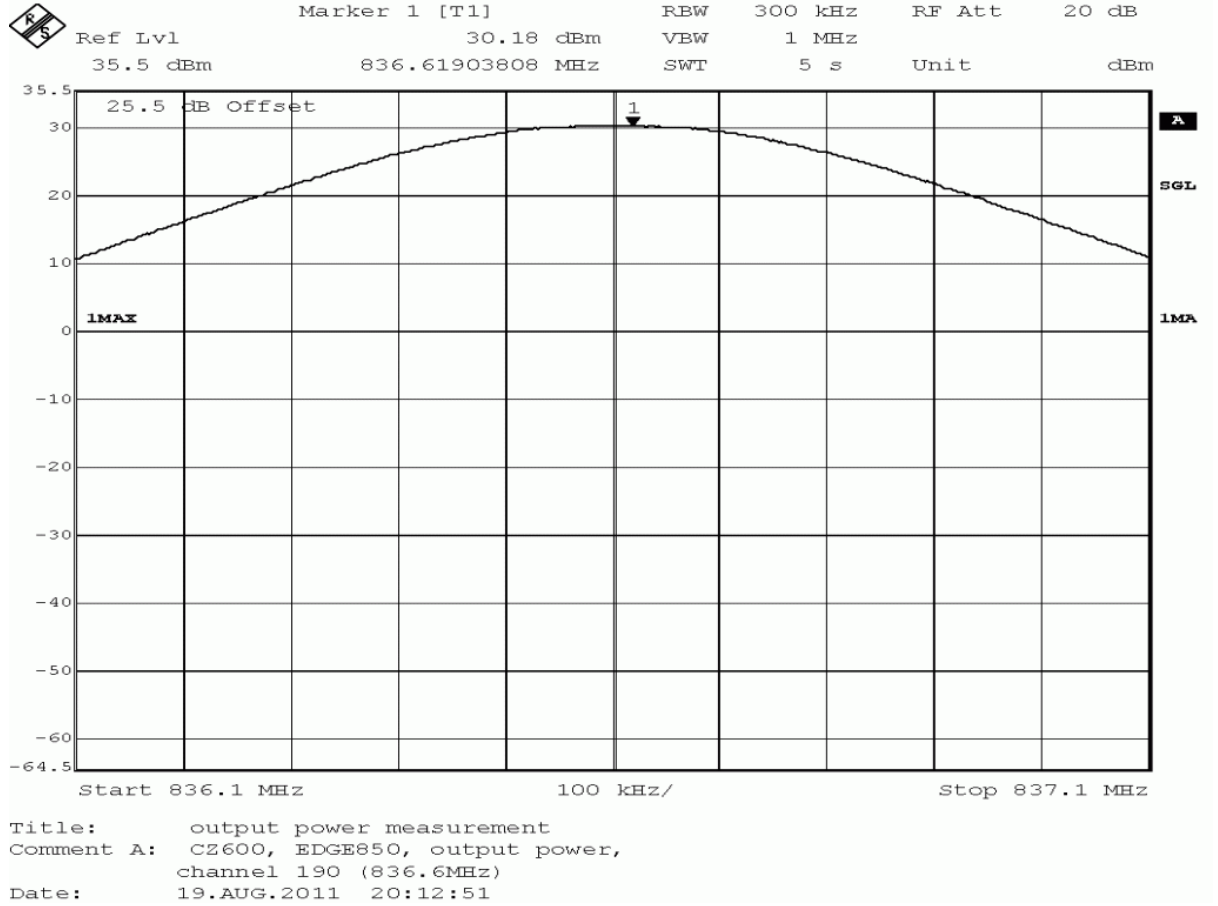
detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	300	30.18	passed
average	maxhold	300	26.85	passed
rms	maxhold	300	27.00	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.41 dBi

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

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 20:26
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
          R                Marker 1 [T1]            RBW   300 kHz   RF Att    20 dB
          S    Ref Lvl                   30.44 dBm  VBW   1 MHz
               35.6 dBm          848.81102204 MHz   SWT   5 s      Unit      dBm
```



```
Title:       output power measurement
Comment A:   CZ600, EDGE850, output power,
             channel 251 (848.8MHz)
Date:        19.AUG.2011  20:27:43
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H
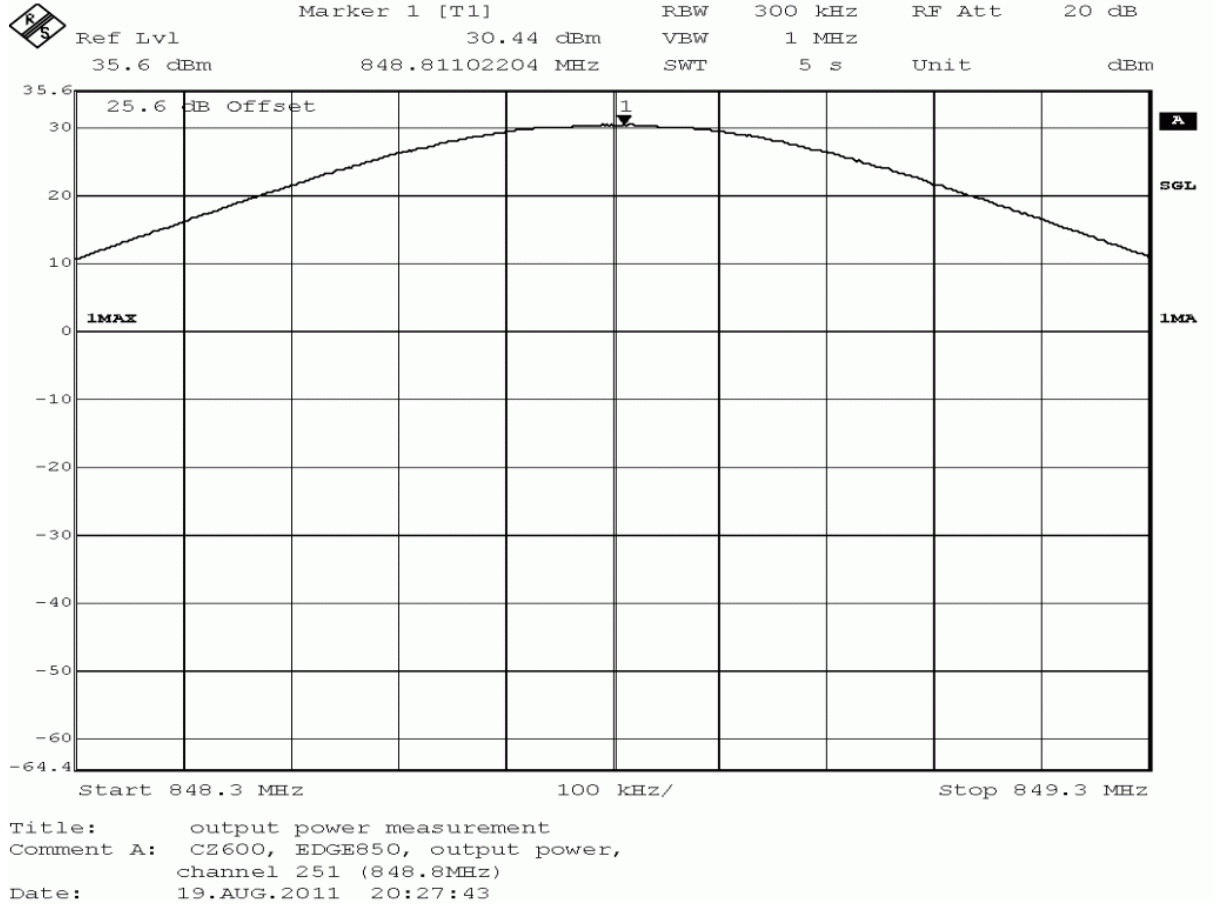
detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	300	30.44	passed
average	maxhold	300	26.80	passed
rms	maxhold	300	27.07	passed

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

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

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 20:54
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

		Marker 1 [T1]		RBW	300 kHz	RF Att	20 dB
	Ref Lvl		34.09 dBm	VBW	1 MHz		
	35.5 dBm		824.17094188 MHz	SWT	5 s	Unit	dBm

```
35.5                                          1
      25.5 dB Offset                                                A
 30
 20                                                                SGL

 10

      1MAX                                                         1MA
  0

-10

-20

-30

-40

-50

-60
-64.5
      Start 823.7 MHz            100 kHz/          Stop 824.7 MHz
```

Title: output power measurement
Comment A: CZ600, GSM850, output power, channel 128,
            (824.2MHz)
Date: 19.AUG.2011 20:55:56

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H
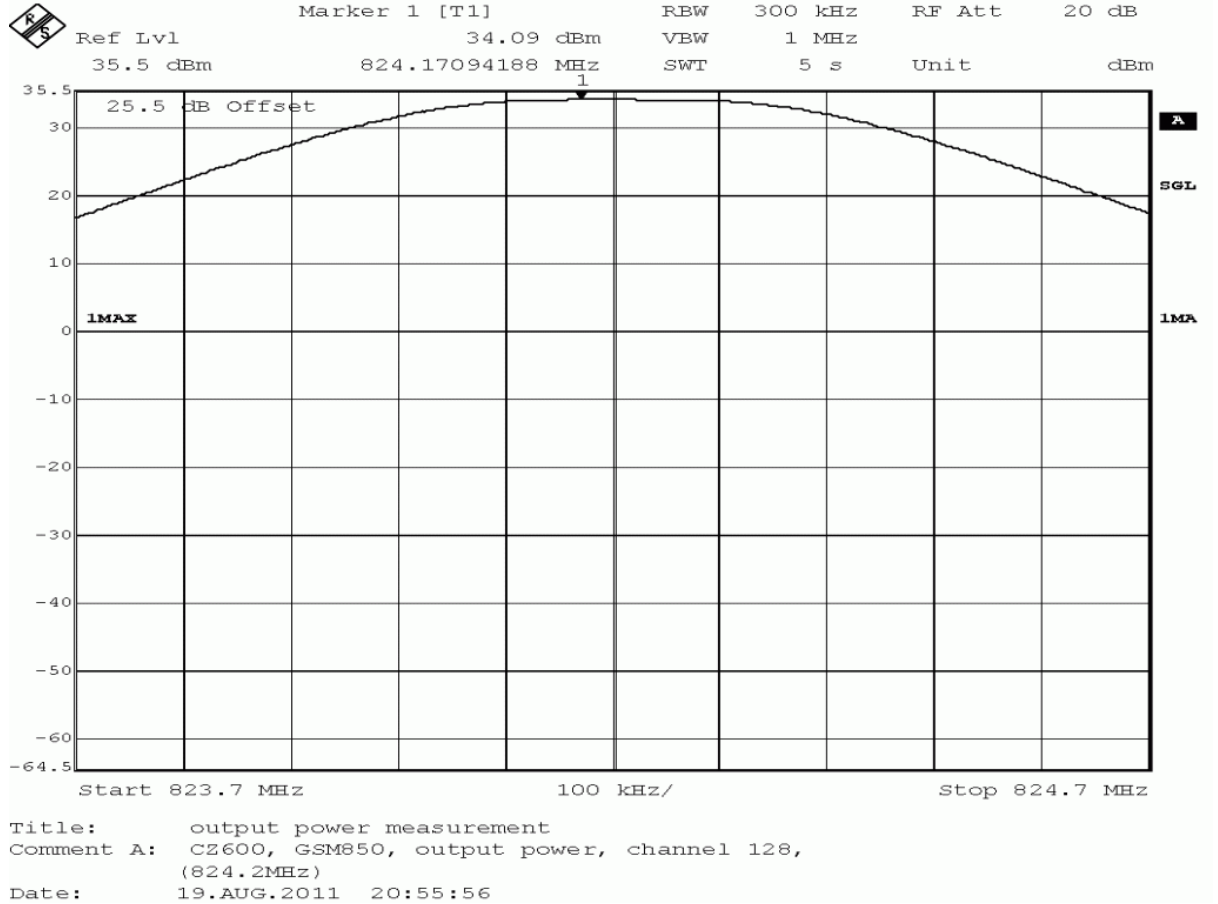
detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	300	34.09	passed
average	maxhold	300	33.52	passed
rms	maxhold	300	33.52	passed

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

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

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 20:40
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
          R&S              Marker 1 [T1]              RBW   300 kHz    RF Att    20 dB
               Ref Lvl                    34.13 dBm   VBW    1 MHz
               35.5 dBm          836.58296593 MHz     SWT    5 s       Unit        dBm
        35.5                                                1
               25.5 dB Offset                                                         A
          30
                                                                                    SGL
          20

          10
                                                                                    1MA
              1MAX
           0

         -10

         -20

         -30

         -40

         -50

         -60
       -64.5
               Start 836.1 MHz                 100 kHz/              Stop 837.1 MHz
```

```
Title:        output power measurement
Comment A:    CZ600, GSM850, output power, channel 190,
              (836.6MHz)
Date:         19.AUG.2011  20:42:28
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H
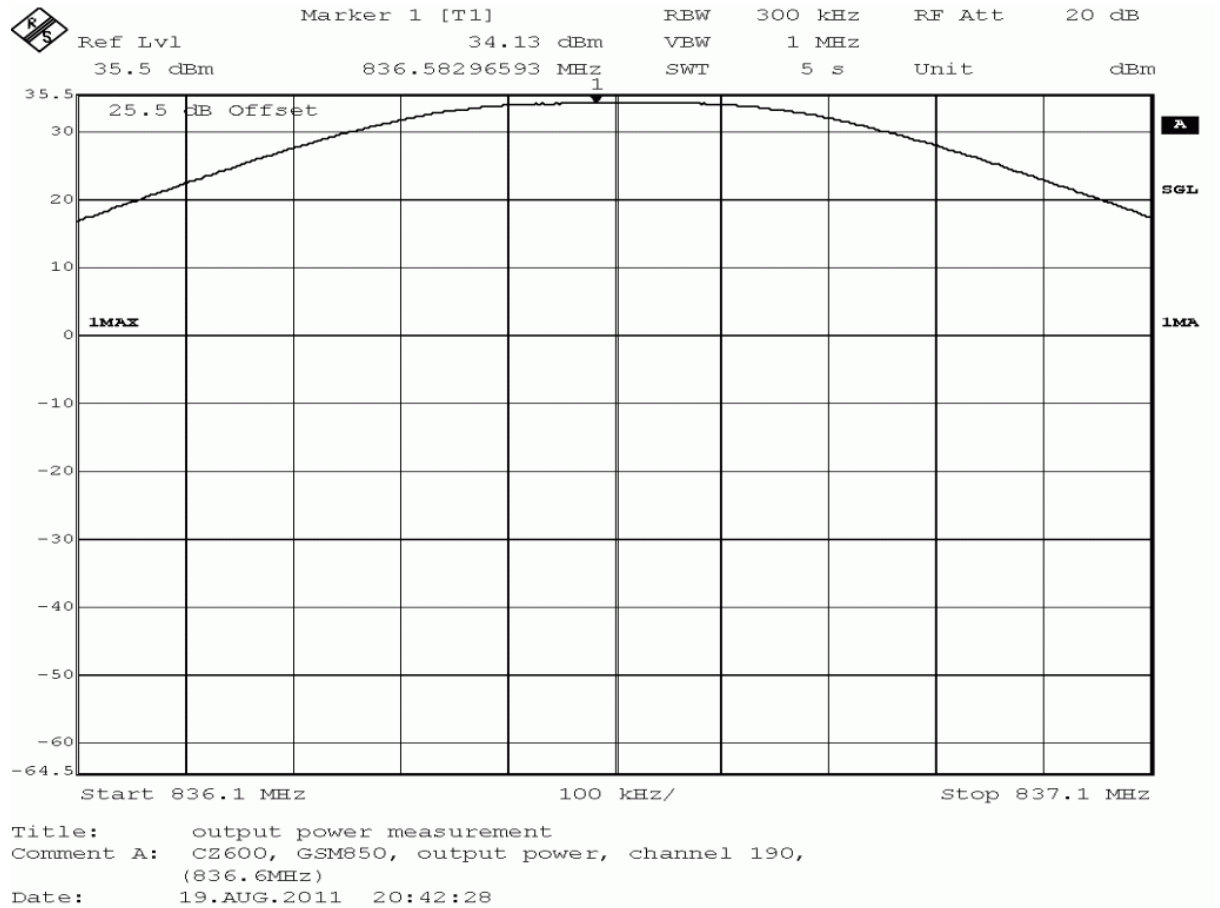
detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	300	34.13	passed
average	maxhold	300	33.59	passed
rms	maxhold	300	33.55	passed

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

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

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 21:21
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
             Marker 1 [T1]              RBW   300 kHz    RF Att    20 dB
  Ref Lvl                   34.05 dBm   VBW     1 MHz
  35.6 dBm           848.78096192 MHz   SWT      5 s     Unit        dBm
```



```
Start 848.3 MHz              100 kHz/              Stop 849.3 MHz
```

Title: output power measurement
Comment A: CZ600, GSM850, output power, channel 251,
            (848.8MHz)
Date: 19.AUG.2011 21:22:39

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	300	34.05	passed
average	maxhold	300	33.47	passed
rms	maxhold	300	33.49	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

6.54 dBi

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

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 22:39
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
        Marker 1 [T1]              RBW     5 MHz    RF Att     20 dB
  Ref Lvl                22.89 dBm   VBW    10 MHz
    35.5 dBm         826.53026052 MHz   SWT     5 s    Unit       dBm
```

```
Title:       output power measurement
Comment A:   CZ600, subtest 1 HSDPA FDD V, output power,
             channel 4132 (826.4MHz)
Date:        19.AUG.2011  22:40:58
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	28.60	passed
average	maxhold	5000	22.70	passed
rms	maxhold	5000	22.89	passed

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

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

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 23:08
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

Marker 1 [T1]	RBW	5 MHz	RF Att	20 dB
Ref Lvl	22.75 dBm	VBW	10 MHz
35.6 dBm	836.61002004 MHz	SWT	5 s	Unit	dBm

```
Title:      output power measurement
Comment A:  CZ600, subtest 1 HSDPA FDD V, output power,
            channel 4183 (836.6MHz)
Date:       19.AUG.2011  23:10:24
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.60	passed
average	maxhold	5000	22.50	passed
rms	maxhold	5000	22.75	passed

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

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

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 23:15
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

Marker 1 [T1]		RBW	5 MHz	RF Att	20 dB
Ref Lvl	22.83 dBm	VBW	10 MHz		
35.6 dBm	846.61002004 MHz	SWT	5 s	Unit	dBm

25.6 dB Offset

1MAX

Start 841.6 MHz   1 MHz/   Stop 851.6 MHz

Title: output power measurement
Comment A: CZ600, subtest 1 HSDPA FDD V, output power,
             channel 4233 (846.6MHz)
Date: 19.AUG.2011   23:17:17

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	28.81	passed
average	maxhold	5000	22.59	passed
rms	maxhold	5000	22.83	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

11.78 dBi

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

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 23:57
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
        Marker 1 [T1]              RBW     5 MHz    RF Att    20 dB
 Ref Lvl                  22.55 dBm   VBW    10 MHz
   35.5 dBm         826.34989980 MHz   SWT     5 s     Unit      dBm
```

Title: output power measurement
Comment A: CZ600, subtest 2 HSDPA FDD V, output power,
             channel 4132 (826.4MHz)
Date: 19.AUG.2011 23:58:58

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	30.00	passed
average	maxhold	5000	21.98	passed
rms	maxhold	5000	22.55	passed

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

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

Result: Passed

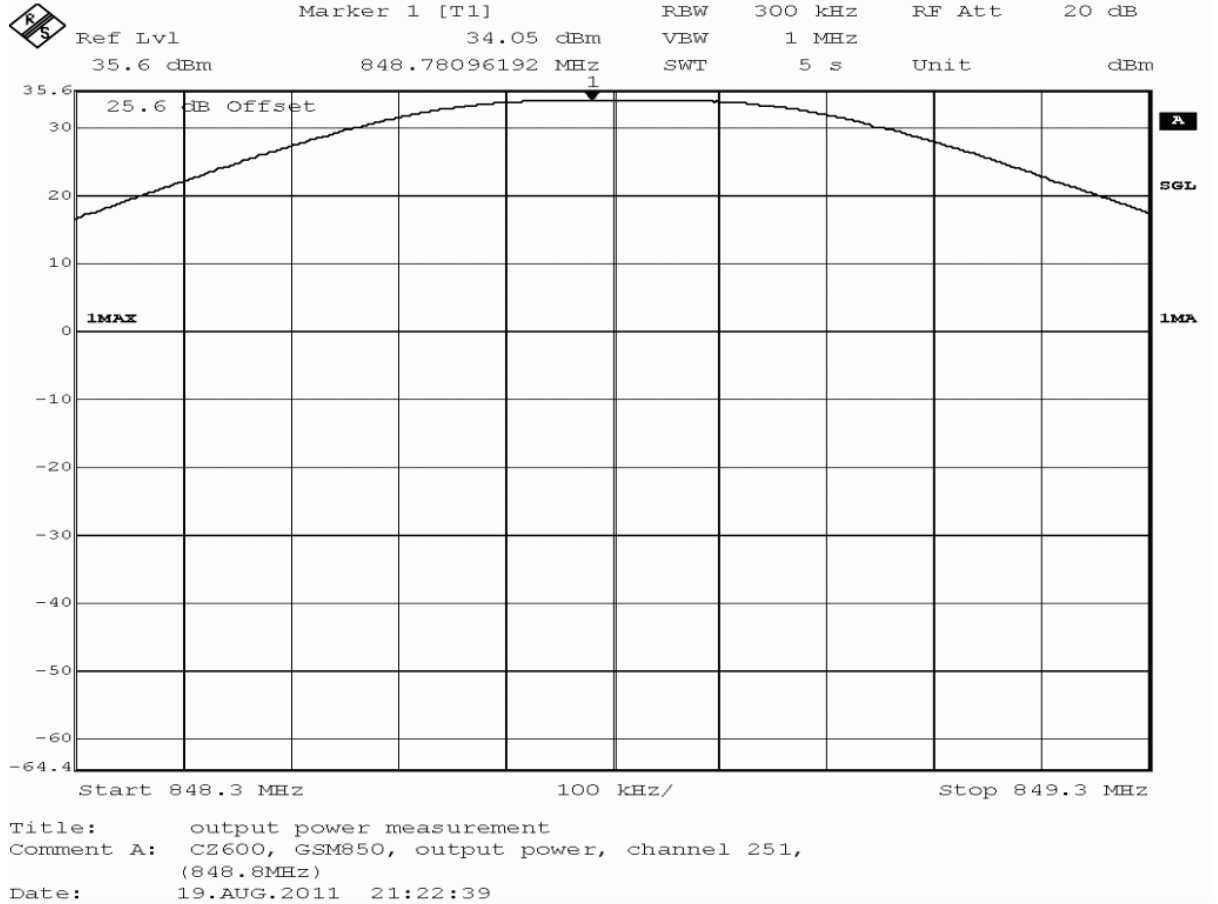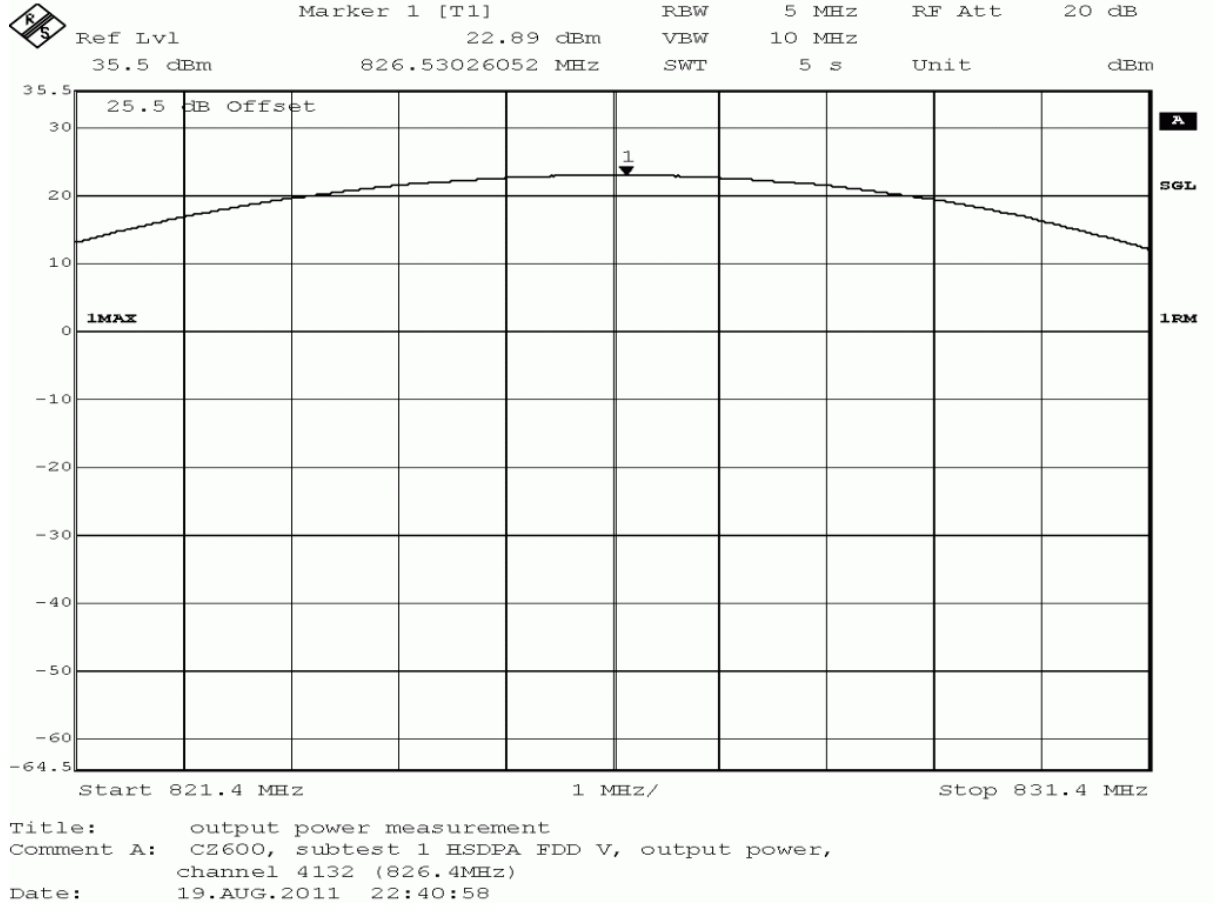*Setup No.:*   B01_direct

Date of Test: 2011/08/19 23:58

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

	Marker 1 [T1]		RBW	5 MHz	RF Att	20 dB
Ref Lvl		22.61 dBm	VBW	10 MHz		
35.6 dBm	836.44969940 MHz		SWT	5 s	Unit	dBm

```
35.6
  30    25.6 dB Offset                                                A

                                          1                          SGL
  20
  10
                                                                     1RM
   0  1MAX

 -10

 -20

 -30

 -40

 -50

 -60
-64.4
     Start 831.6 MHz              1 MHz/              Stop 841.6 MHz
```

Title: output power measurement
Comment A: CZ600, subtest 2 HSDPA FDD V, output power,
            channel 4183 (836.6MHz)
Date: 20.AUG.2011 00:00:01

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	30.50	passed
average	maxhold	5000	21.91	passed
rms	maxhold	5000	22.61	passed

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

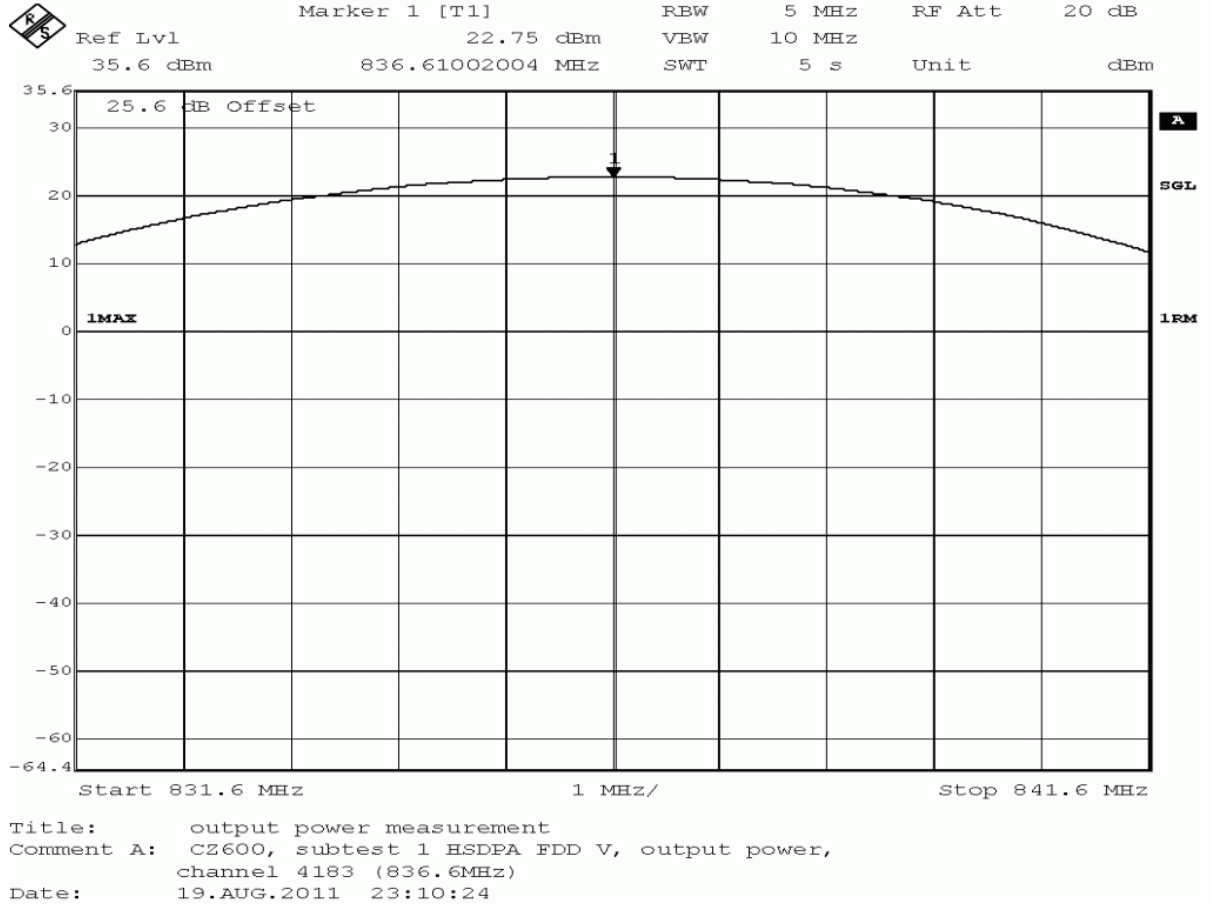**Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_2, Channel = 4233, Frequency = 846.6MHz, Method = conducted**

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 23:59
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
           Marker 1 [T1]              RBW     5 MHz    RF Att    20 dB
   Ref Lvl                22.65 dBm   VBW    10 MHz
     35.6 dBm         846.58997996 MHz  SWT     5 s     Unit       dBm
```

Title: output power measurement
Comment A: CZ600, subtest 2 HSDPA FDD V, output power,
            channel 4233 (846.6MHz)
Date: 20.AUG.2011   00:01:03

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	30.50	passed
average	maxhold	5000	21.97	passed
rms	maxhold	5000	22.65	passed

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

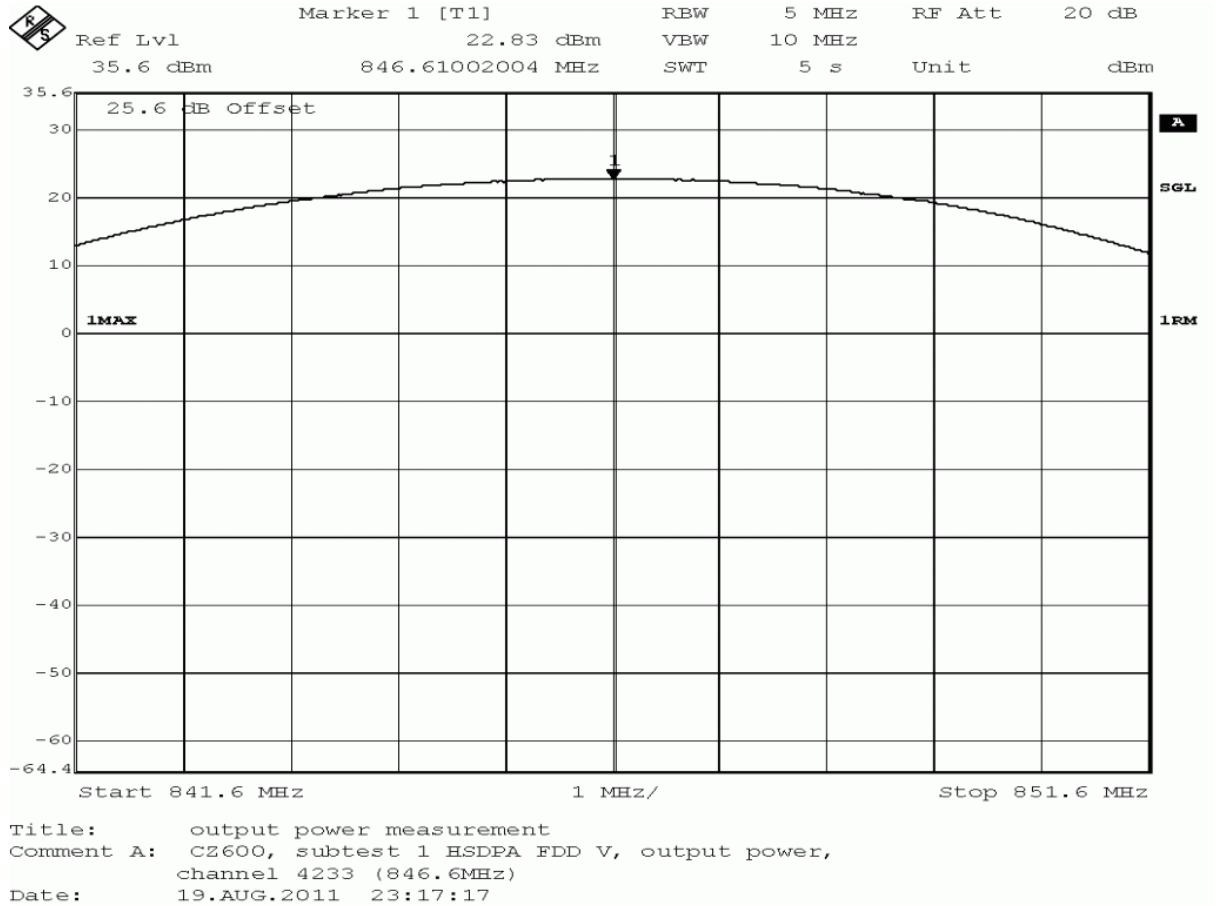**Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4132, Frequency = 826.4MHz, Method = conducted**

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:00
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
            Marker 1 [T1]           RBW     5 MHz    RF Att    20 dB
   Ref Lvl                21.90 dBm  VBW    10 MHz
    35.5 dBm          826.51022044 MHz  SWT    5 s     Unit       dBm
```



```
Title:       output power measurement
Comment A:   CZ600, subtest 3 HSDPA FDD V, output power,
             channel 4132 (826.4MHz)
Date:        20.AUG.2011  00:02:52
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.63	passed
average	maxhold	5000	20.97	passed
rms	maxhold	5000	21.90	passed

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

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

Result: Passed

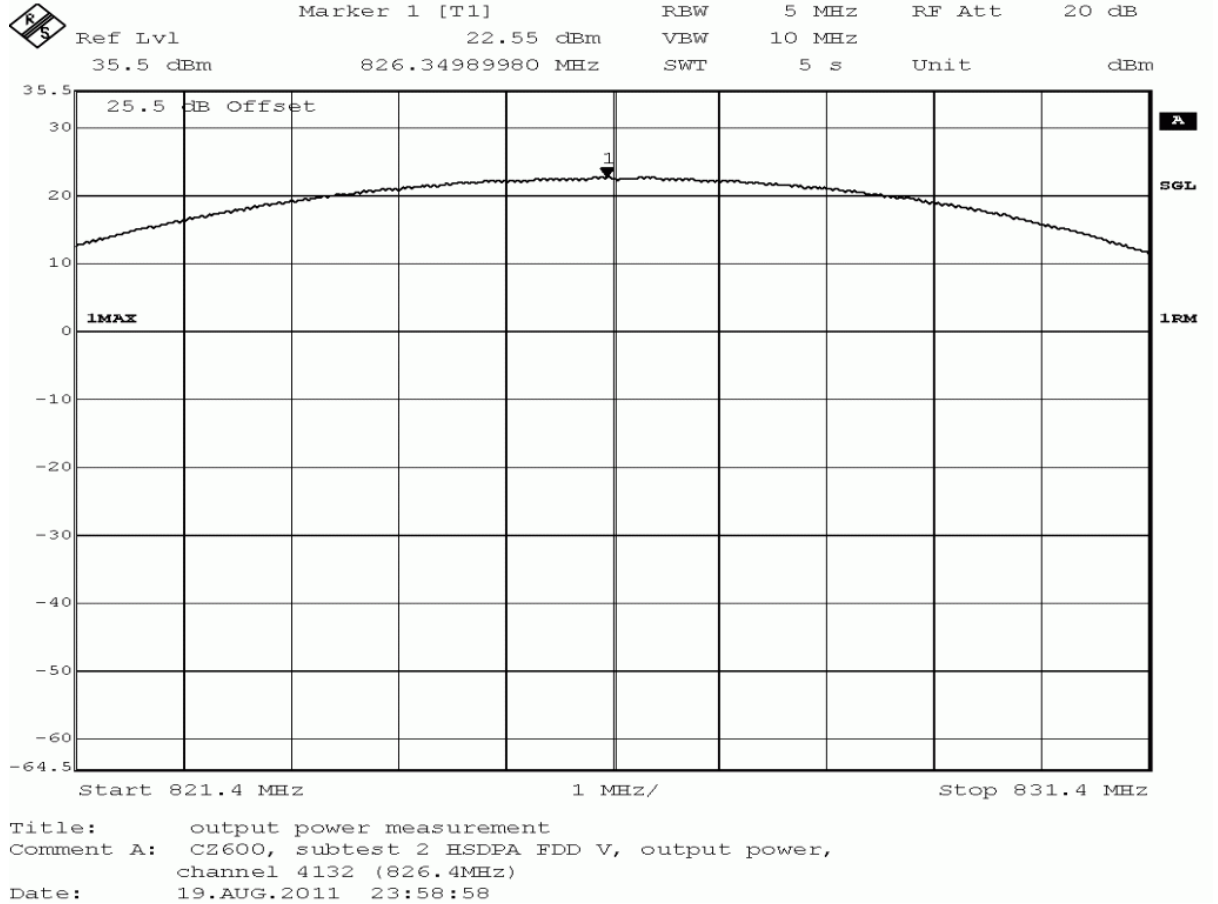*Setup No.:*   B01_direct

Date of Test: 2011/08/20   0:01

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

Marker 1 [T1]		RBW	5 MHz	RF Att	20 dB
Ref Lvl	21.97 dBm	VBW	10 MHz		
35.6 dBm	836.77034068 MHz	SWT	5 s	Unit	dBm

25.6 dB Offset

Start 831.6 MHz   1 MHz/   Stop 841.6 MHz

Title: output power measurement
Comment A: CZ600, subtest 3 HSDPA FDD V, output power,
             channel 4183 (836.6MHz)
Date: 20.AUG.2011   00:03:53

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.32	passed
average	maxhold	5000	21.01	passed
rms	maxhold	5000	21.97	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

11.27 dBi

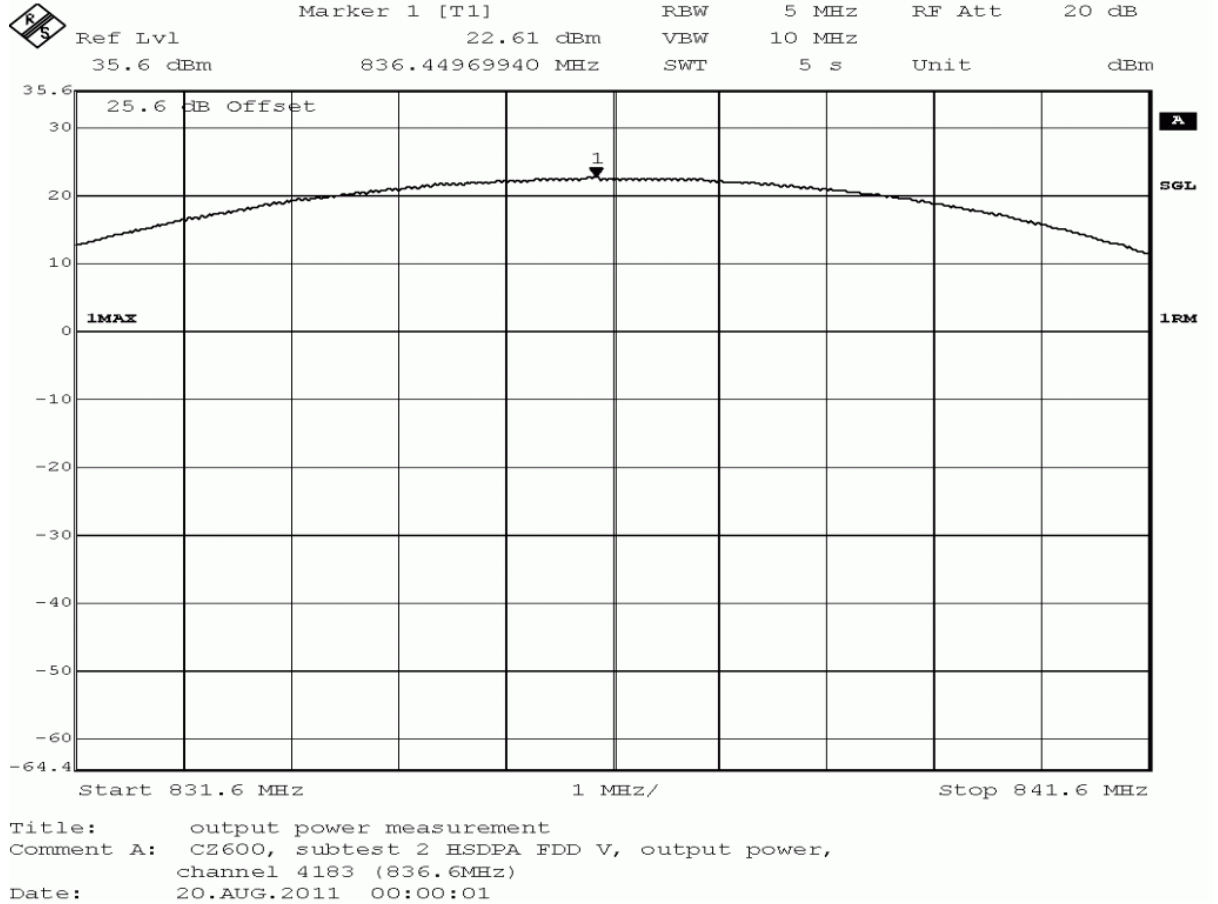**Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_3, Channel = 4233, Frequency = 846.6MHz, Method = conducted**

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:04
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
                          Marker 1 [T1]            RBW     5 MHz    RF Att    20 dB
  R      Ref Lvl                       22.12 dBm   VBW    10 MHz
  S       35.6 dBm          846.58997996 MHz       SWT     5 s     Unit       dBm
```



```
Title:      output power measurement
Comment A:  CZ600, subtest 3 HSDPA FDD V, output power,
            channel 4233 (846.6MHz)
Date:       20.AUG.2011  00:06:50
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.81	passed
average	maxhold	5000	21.10	passed
rms	maxhold	5000	22.12	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.78 dBi

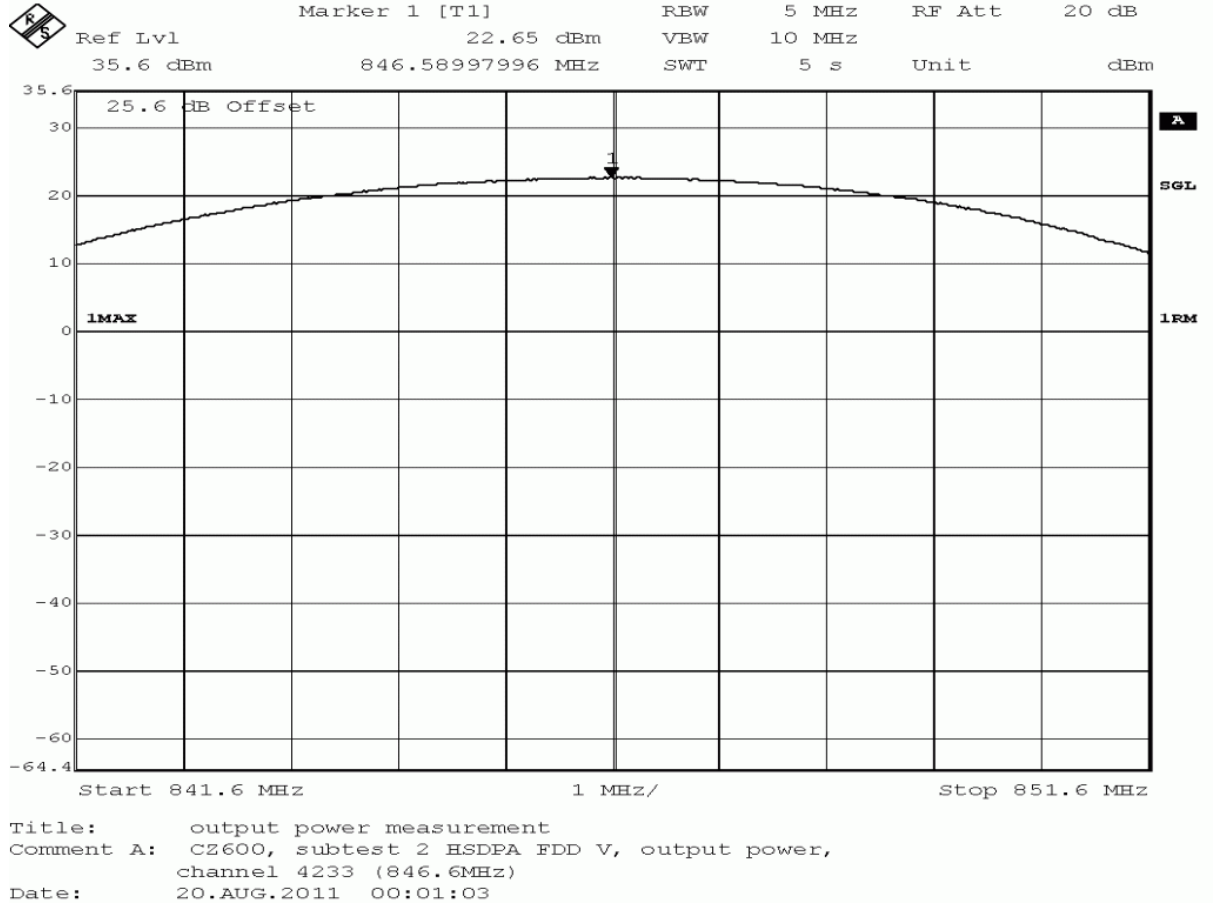**Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4132, Frequency = 826.4MHz, Method = conducted**
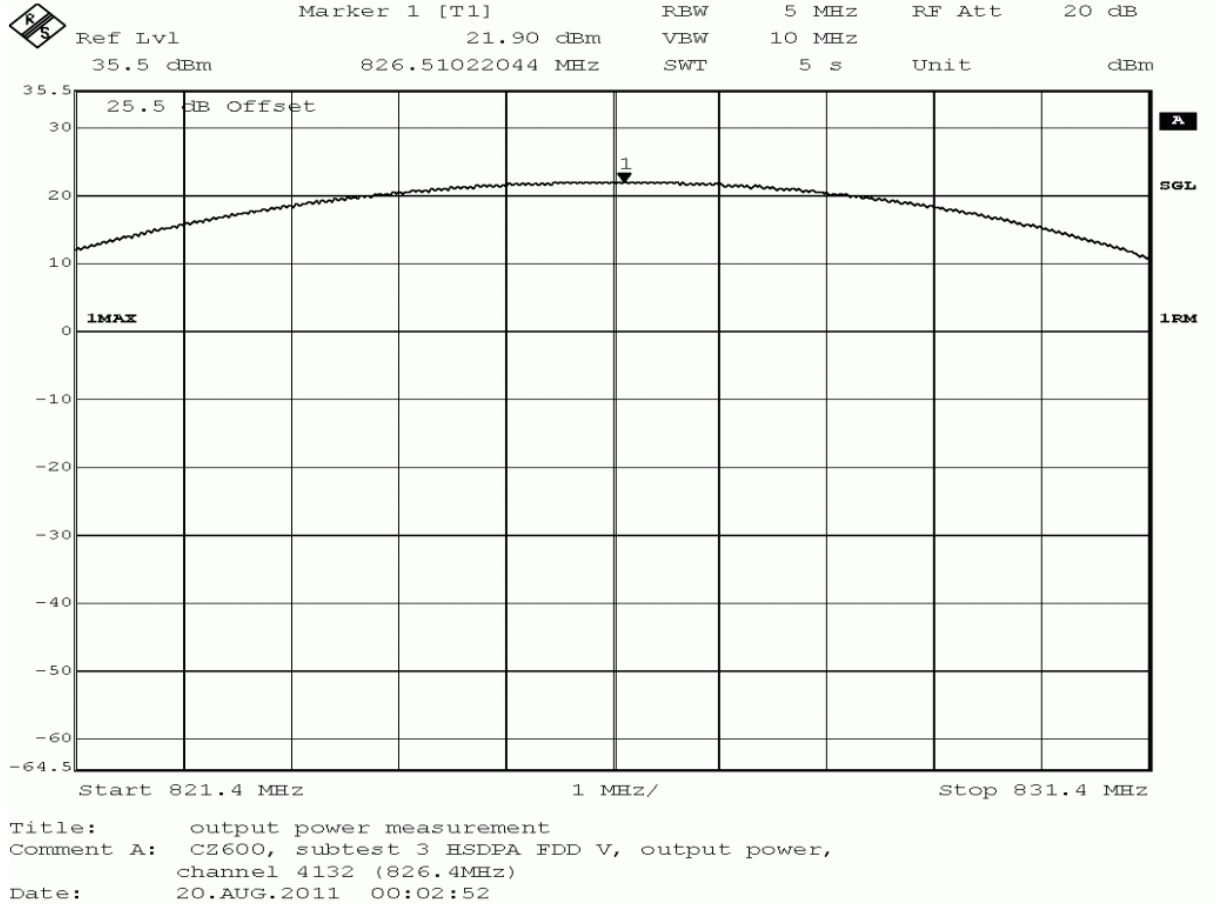
Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:06
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
                        Marker 1 [T1]           RBW     5 MHz    RF Att     20 dB
   Ref Lvl                          21.78 dBm   VBW    10 MHz
     35.5 dBm              826.38997996 MHz     SWT     5 s      Unit        dBm
```



```
 Title:       output power measurement
 Comment A:   CZ600, subtest 4 HSDPA FDD V, output power,
              channel channel 4132 (826.4MHz)
 Date:        20.AUG.2011  00:08:34
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.63	passed
average	maxhold	5000	20.84	passed
rms	maxhold	5000	21.78	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.96 dBi

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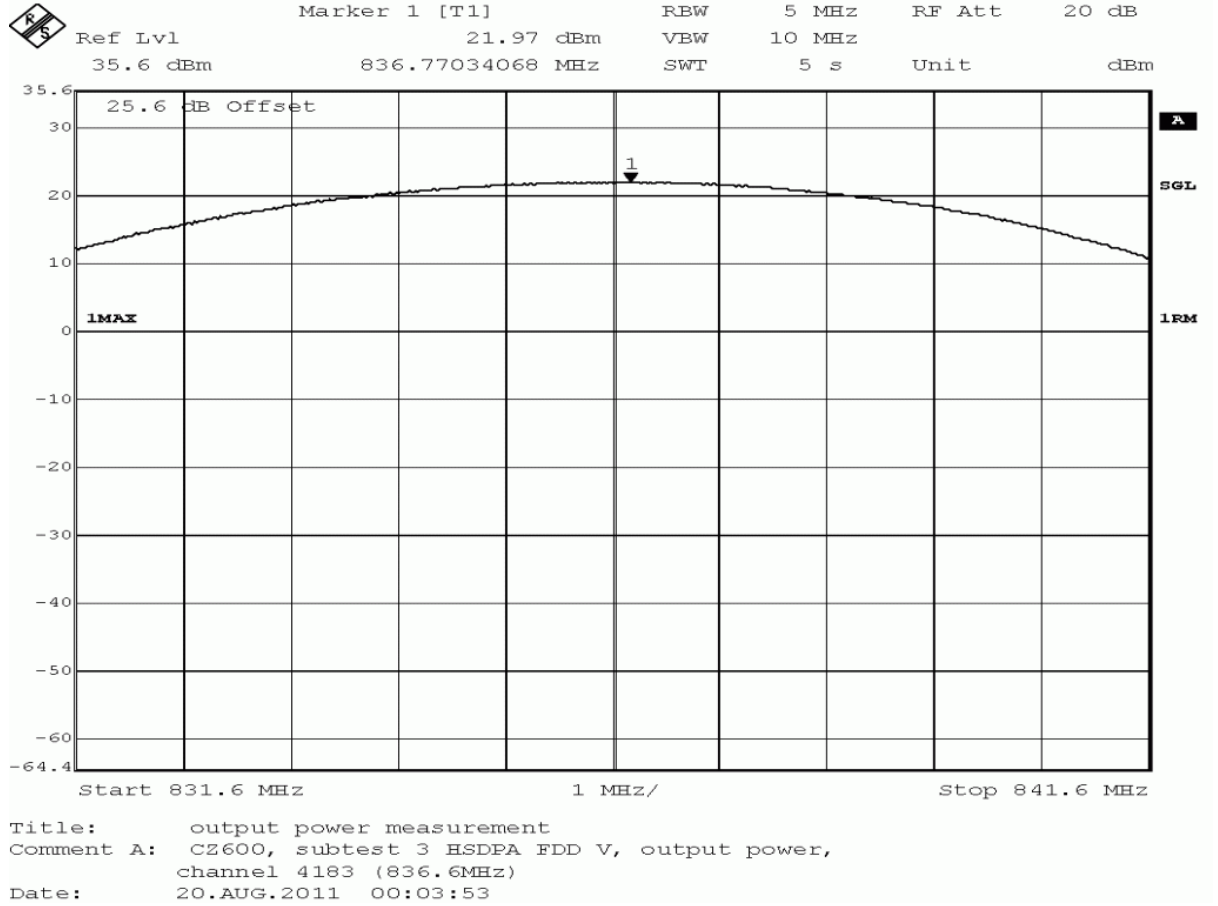
Result: Passed

Setup No.:   B01_direct

Date of Test: 2011/08/20 0:07

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
         R                Marker 1 [T1]           RBW     5 MHz    RF Att     20 dB
         S   Ref Lvl                   21.95 dBm  VBW    10 MHz
             35.6 dBm        836.87054108 MHz     SWT     5 s     Unit        dBm
    35.6
      30   25.6 dB Offset                                                           A

      20                                                                          SGL

      10

       0   1MAX                                                                   1RM

     -10

     -20

     -30

     -40

     -50

     -60
   -64.4
         Start 831.6 MHz                    1 MHz/               Stop 841.6 MHz
```

```
Title:       output power measurement
Comment A:   CZ600, subtest 4 HSDPA FDD V, output power,
             channel 4183 (836.6MHz)
Date:        20.AUG.2011  00:09:51
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.93	passed
average	maxhold	5000	20.94	passed
rms	maxhold	5000	21.95	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.66 dBi

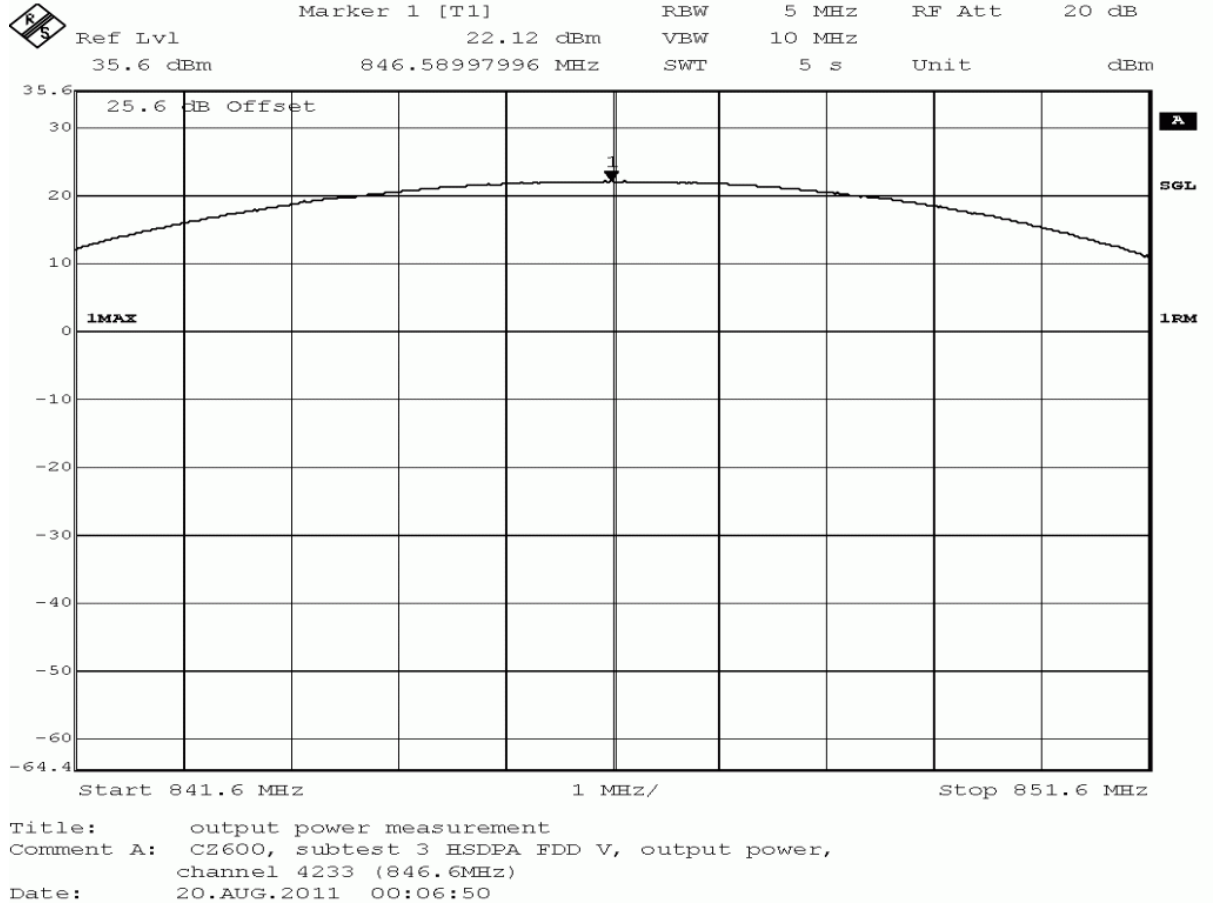**Test: 22.1; Frequency Band = FDD5, Mode = HSDPA_subtest_4, Channel = 4233, Frequency = 846.6MHz, Method = conducted**

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:08
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
                    Marker 1 [T1]          RBW     5 MHz    RF Att     20 dB
    Ref Lvl                    22.08 dBm   VBW    10 MHz
      35.6 dBm           846.58997996 MHz  SWT     5 s     Unit        dBm
```

Title: output power measurement
Comment A: CZ600, subtest 4 HSDPA FDD V, output power,
            channel 4233 (846.6MHz)
Date: 20.AUG.2011 00:10:49

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.81	passed
average	maxhold	5000	20.98	passed
rms	maxhold	5000	22.08	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.78 dBi

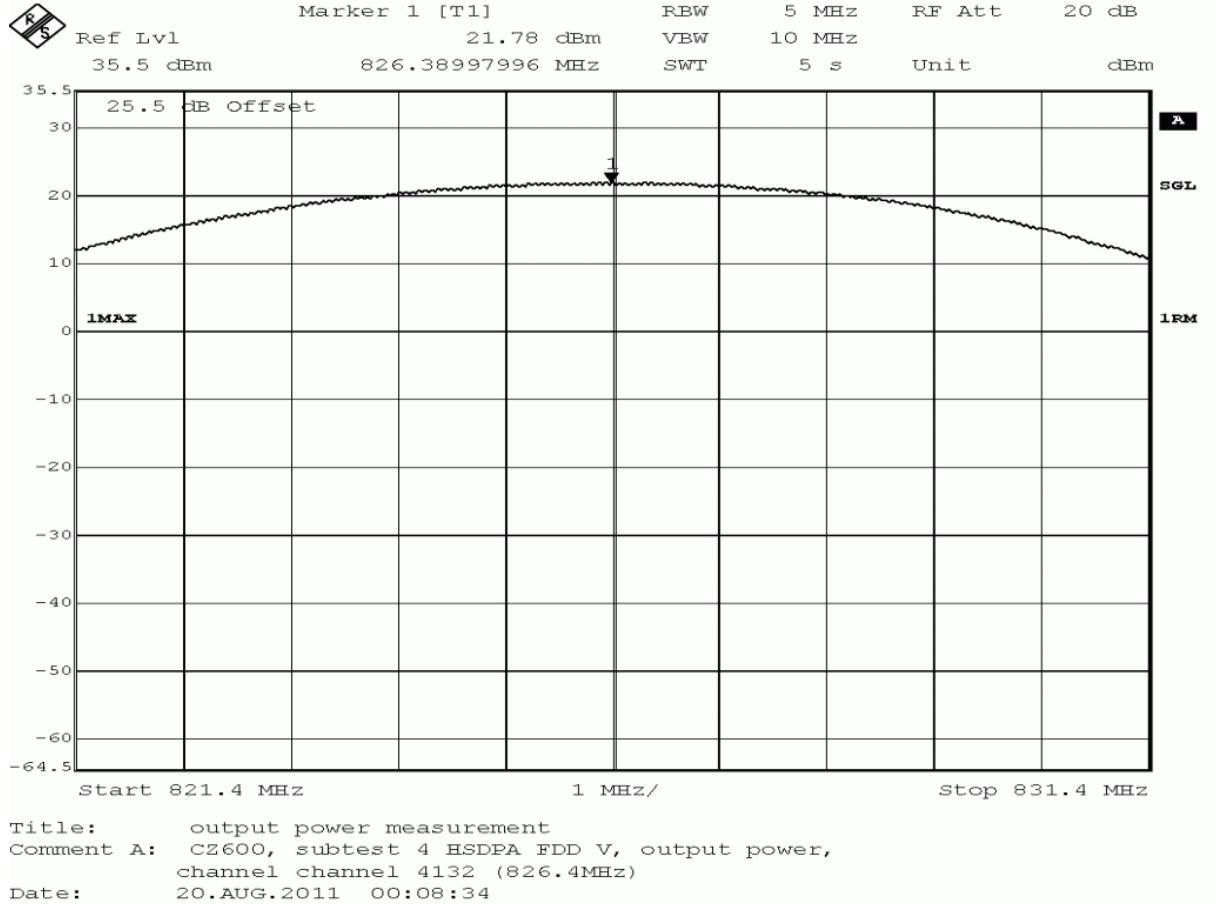**Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4132, Frequency = 826.4MHz, Method = conducted**

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 23:28
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
                     Marker 1 [T1]          RBW      5 MHz    RF Att     20 dB
     Ref Lvl                      22.01 dBm  VBW     10 MHz
       35.5 dBm          826.49018036 MHz    SWT      5 s     Unit        dBm
```



```
  Title:        output power measurement
  Comment A:   CZ600, subtest 1 HSUPA FDD V, output power,
               channel 4132 (826.4MHz)
  Date:         19.AUG.2011  23:30:49
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.50	passed
average	maxhold	5000	21.56	passed
rms	maxhold	5000	22.01	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

11.09 dBi

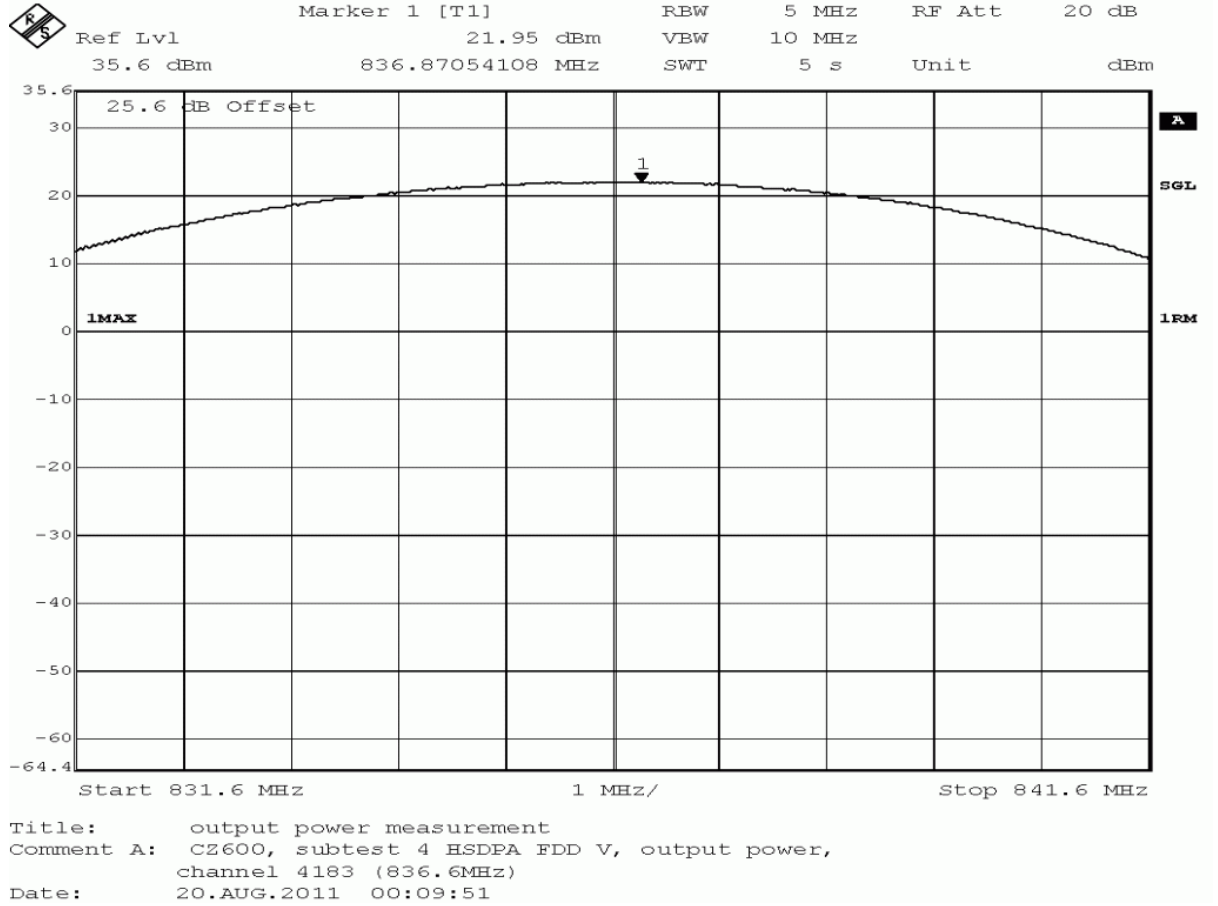**Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4183, Frequency = 836.6MHz, Method = conducted**
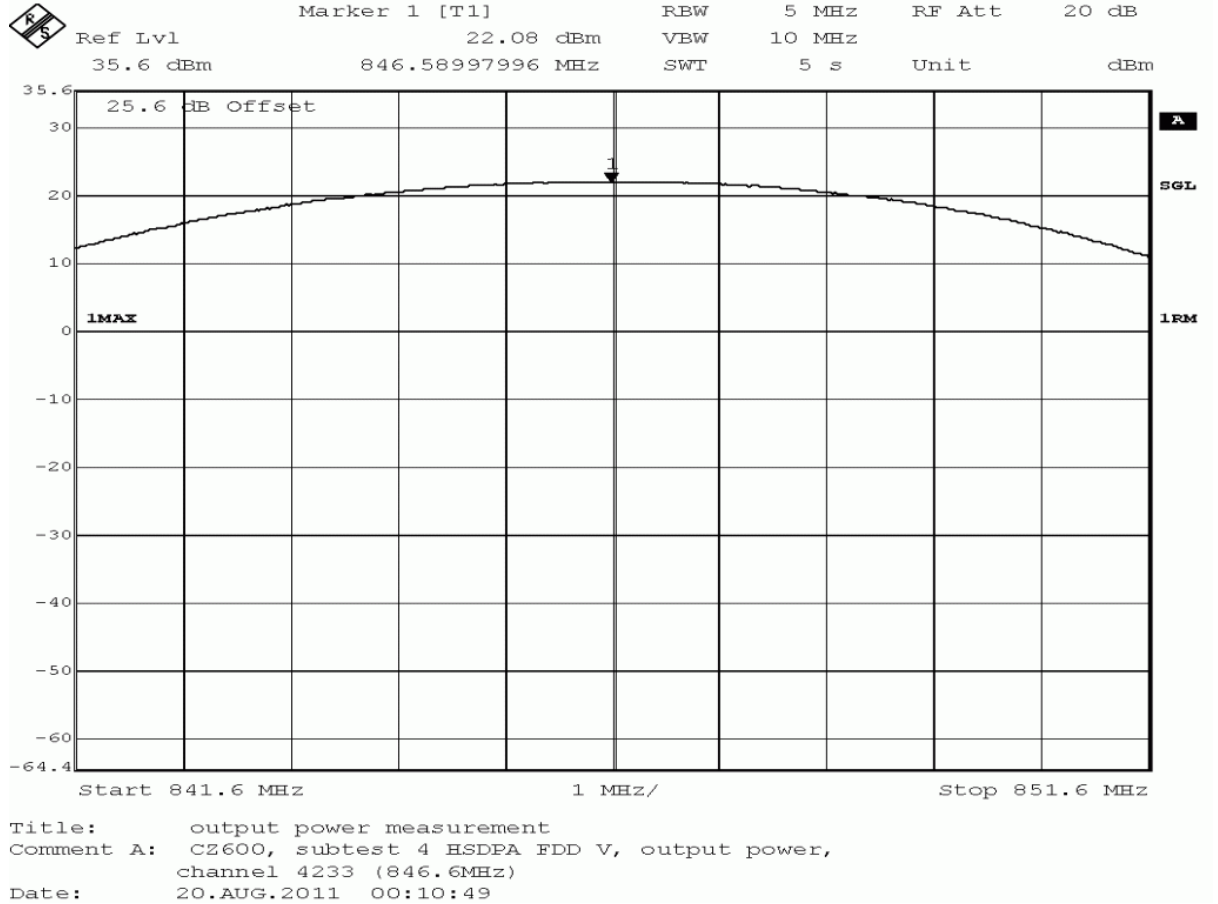
Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 23:35
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
        R                 Marker 1 [T1]            RBW      5 MHz    RF Att     20 dB
        S  Ref Lvl                       22.02 dBm VBW     10 MHz
           35.6 dBm            836.56993988 MHz    SWT      5 s      Unit        dBm
  35.6
     30     25.6 dB Offset                              1                            A

     20                                                                            SGL

     10

      0  1MAX                                                                      1RM

    -10

    -20

    -30

    -40

    -50

    -60
  -64.4
        Start 831.6 MHz                     1 MHz/                  Stop 841.6 MHz

  Title:       output power measurement
  Comment A:   CZ600, subtest 1 HSUPA FDD V, output power,
               channel 4183 (836.6MHz)
  Date:        19.AUG.2011  23:37:32
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.73	passed
average	maxhold	5000	21.58	passed
rms	maxhold	5000	22.02	passed

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

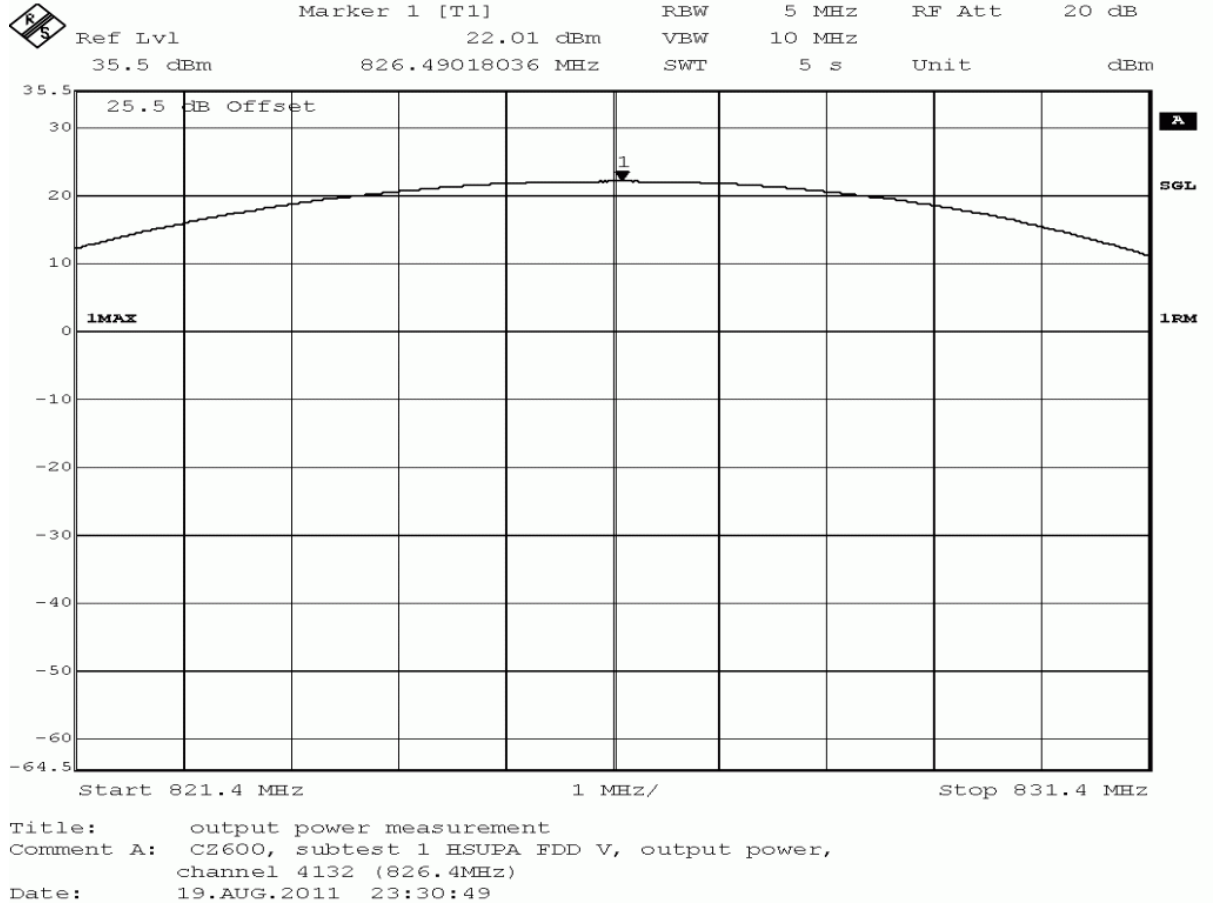**Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_1, Channel = 4233, Frequency = 846.6MHz, Method = conducted**

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 23:43
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
        Marker 1 [T1]              RBW      5 MHz    RF Att    20 dB
 Ref Lvl                   21.77 dBm   VBW     10 MHz
   35.6 dBm          846.56993988 MHz   SWT      5 s     Unit         dBm
```

Title: output power measurement
Comment A: CZ600, subtest 1 HSUPA FDD V, output power,
             channel 4233 (846.6MHz)
Date: 19.AUG.2011 23:45:28

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.20	passed
average	maxhold	5000	21.32	passed
rms	maxhold	5000	21.77	passed

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

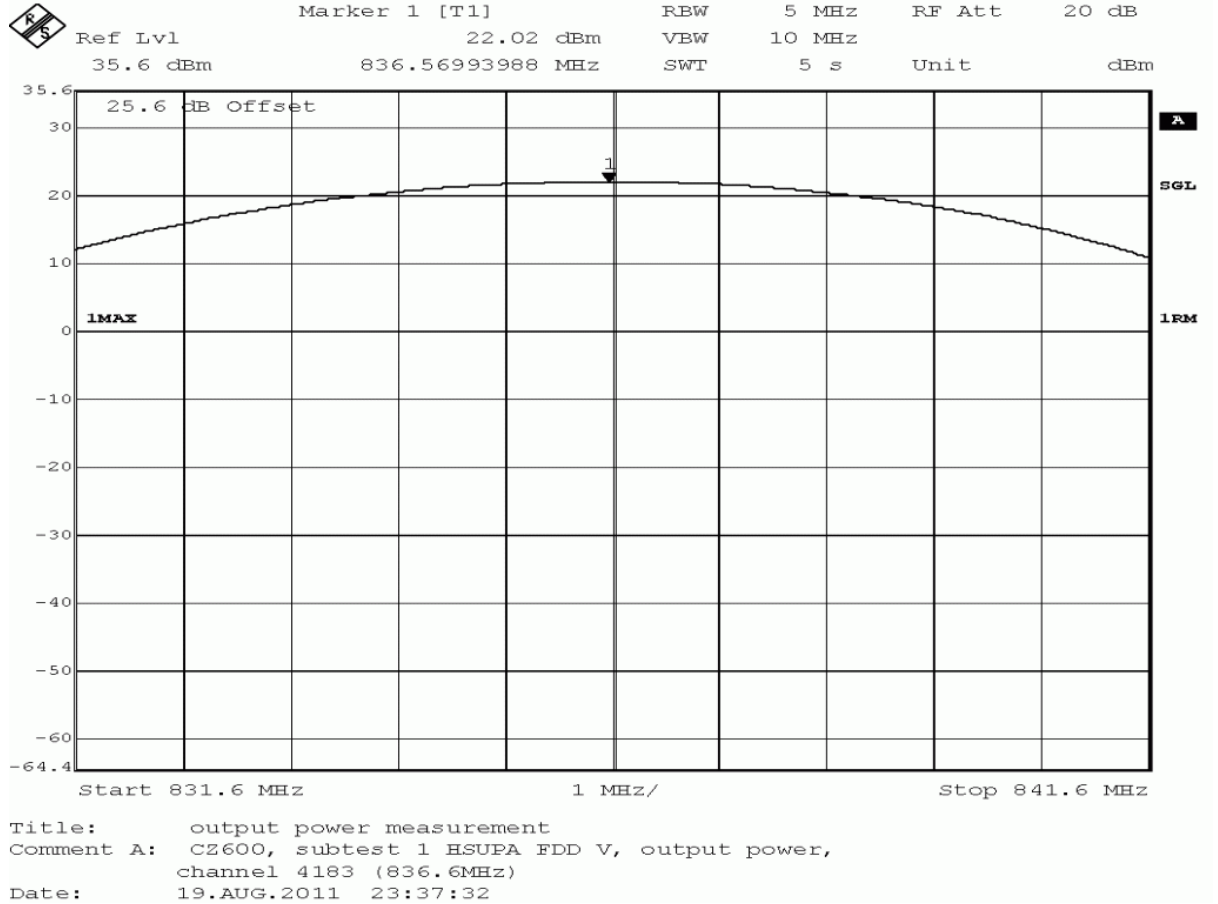**Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4132, Frequency = 826.4MHz, Method = conducted**
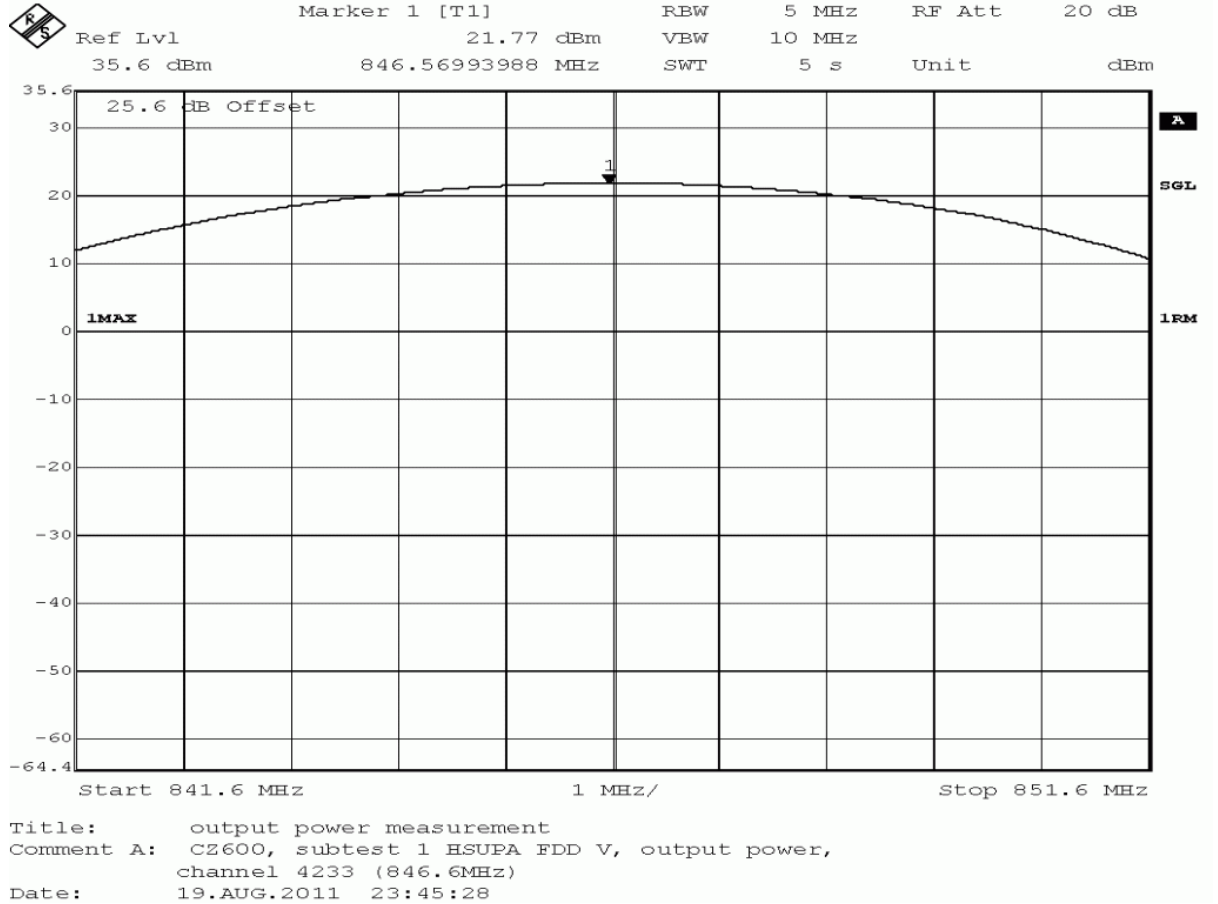
Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:12
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
                          Marker 1 [T1]           RBW     5 MHz    RF Att    20 dB
 R&S  Ref Lvl                     21.44 dBm       VBW    10 MHz
      35.5 dBm            826.57034068 MHz        SWT     5 s      Unit        dBm
35.5
  30     25.5 dB Offset                                                            A

  20                                          1                                    SGL

  10

   0    1MAX                                                                       1RM

 -10

 -20

 -30

 -40

 -50

 -60
-64.5
      Start 821.4 MHz                      1 MHz/            Stop 831.4 MHz

Title:      output power measurement
Comment A:  CZ600, subtest 2 HSUPA FDD V, output power,
            channel 4132 (826.4MHz)
Date:       20.AUG.2011  00:14:01
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.71	passed
average	maxhold	5000	20.58	passed
rms	maxhold	5000	21.44	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.88 dBi

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

Result: Passed

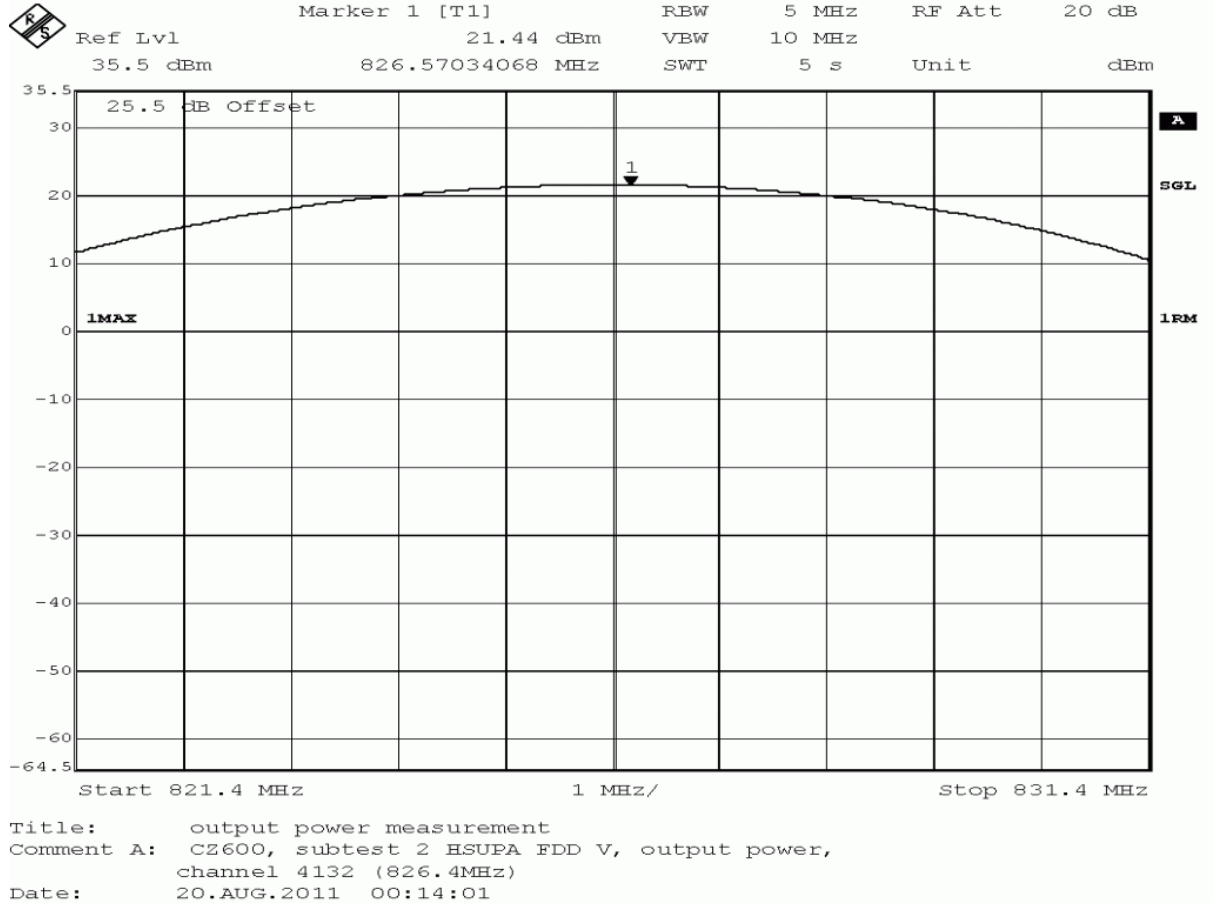*Setup No.:*   B01_direct

Date of Test: 2011/08/20   0:13

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

Marker 1 [T1]	RBW	5 MHz	RF Att	20 dB

Ref Lvl 35.6 dBm — 21.43 dBm — VBW 10 MHz
836.58997996 MHz — SWT 5 s — Unit dBm

25.6 dB Offset

1MAX

Start 831.6 MHz — 1 MHz/ — Stop 841.6 MHz

Title: output power measurement
Comment A: CZ600, subtest 2 HSUPA FDD V, output power,
             channel 4183 (836.6MHz)
Date: 20.AUG.2011 00:15:46

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.93	passed
average	maxhold	5000	20.53	passed
rms	maxhold	5000	21.43	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.66 dBi

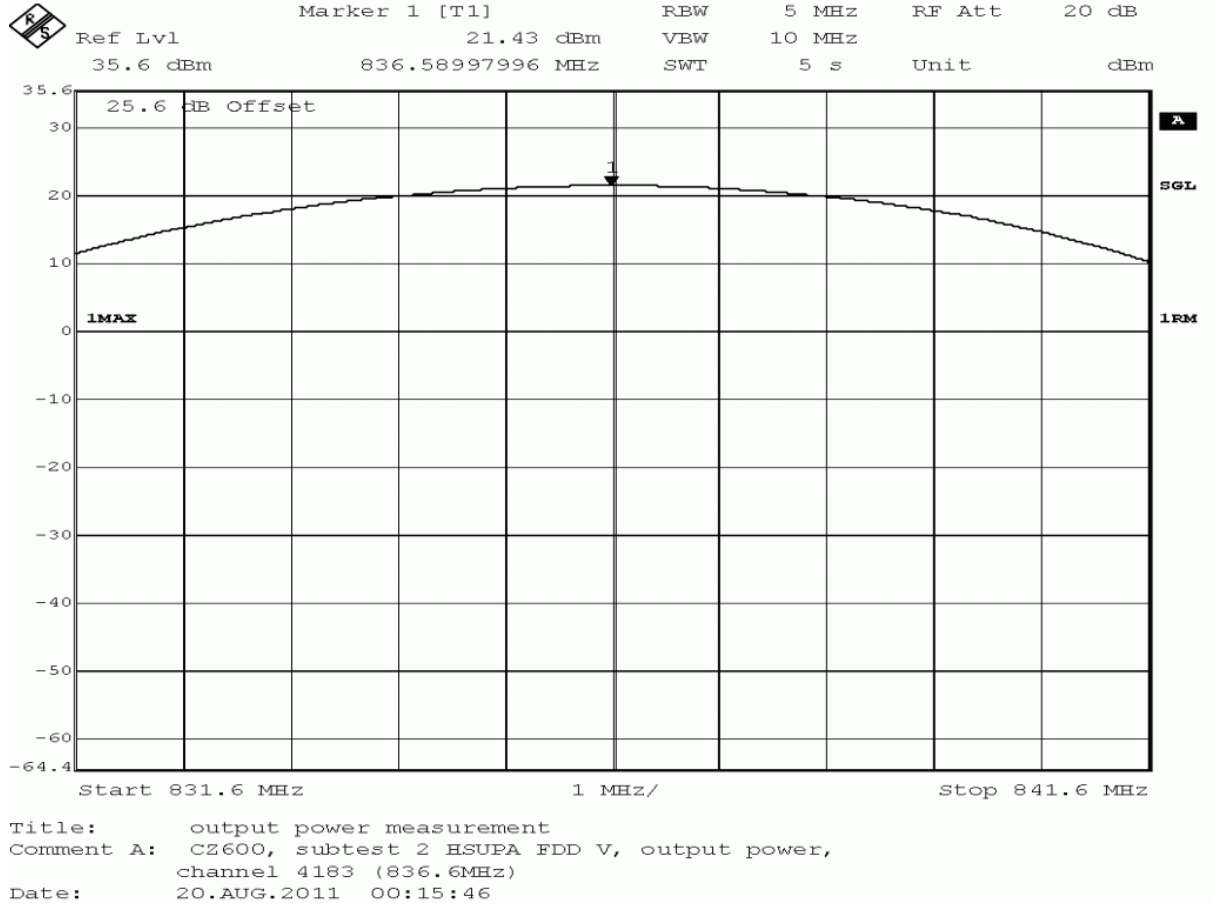**Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_2, Channel = 4233, Frequency = 846.6MHz, Method = conducted**

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:15
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
         Marker 1 [T1]              RBW      5 MHz    RF Att     20 dB
  Ref Lvl                  21.54 dBm   VBW     10 MHz
    35.6 dBm          846.54989980 MHz   SWT      5 s    Unit        dBm
```

```
35.6
   30    25.6 dB Offset                                                          A

   20                                            1
                                                 ▼                             SGL
   10

    0   1MAX                                                                    1RM

  -10

  -20

  -30

  -40

  -50

  -60
-64.4
     Start 841.6 MHz                  1 MHz/                Stop 851.6 MHz
```

```
Title:        output power measurement
Comment A:   CZ600, subtest 2 HSUPA FDD V, output power,
             channel 4233 (846.6MHz)
Date:         20.AUG.2011  00:16:58
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	30.10	passed
average	maxhold	5000	20.65	passed
rms	maxhold	5000	21.54	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.49 dBi

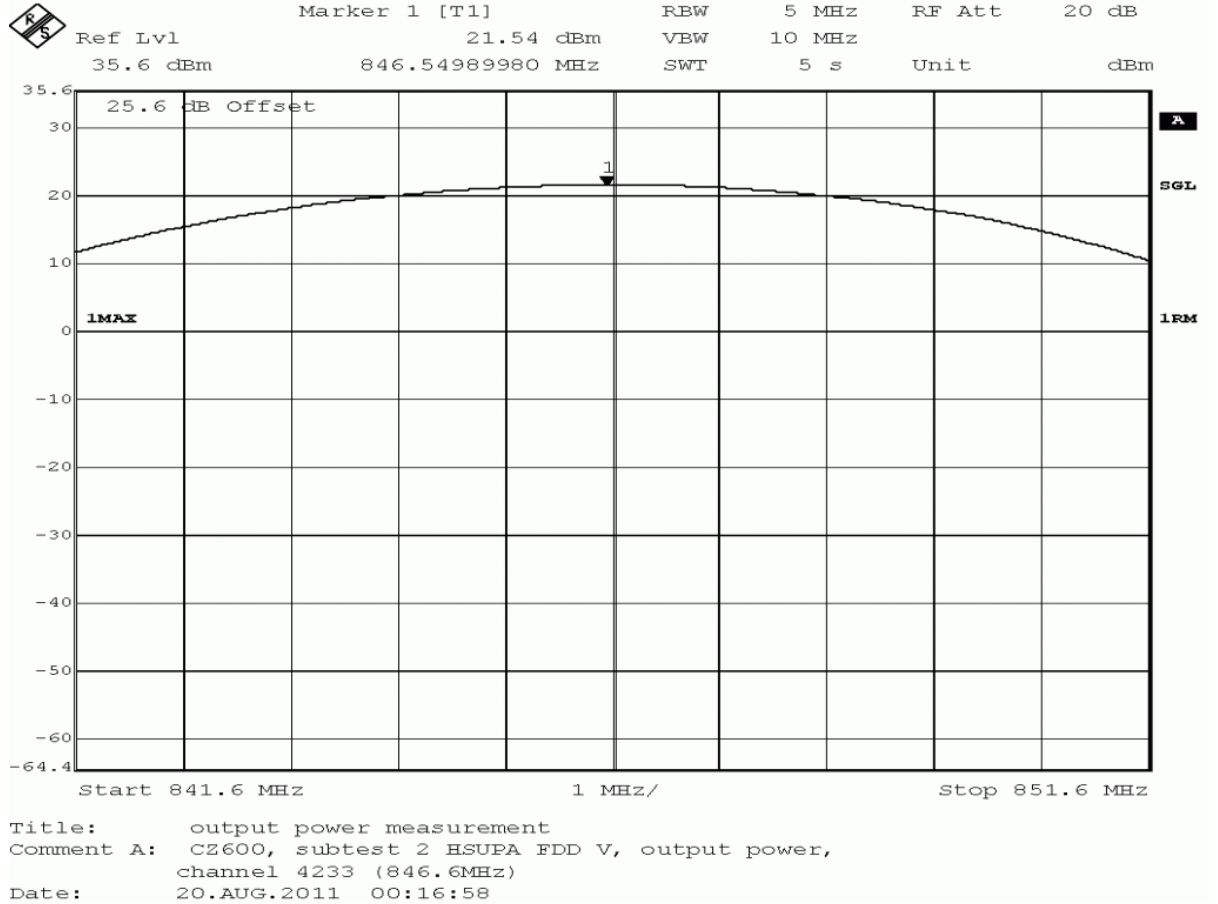**Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4132, Frequency = 826.4MHz, Method = conducted**
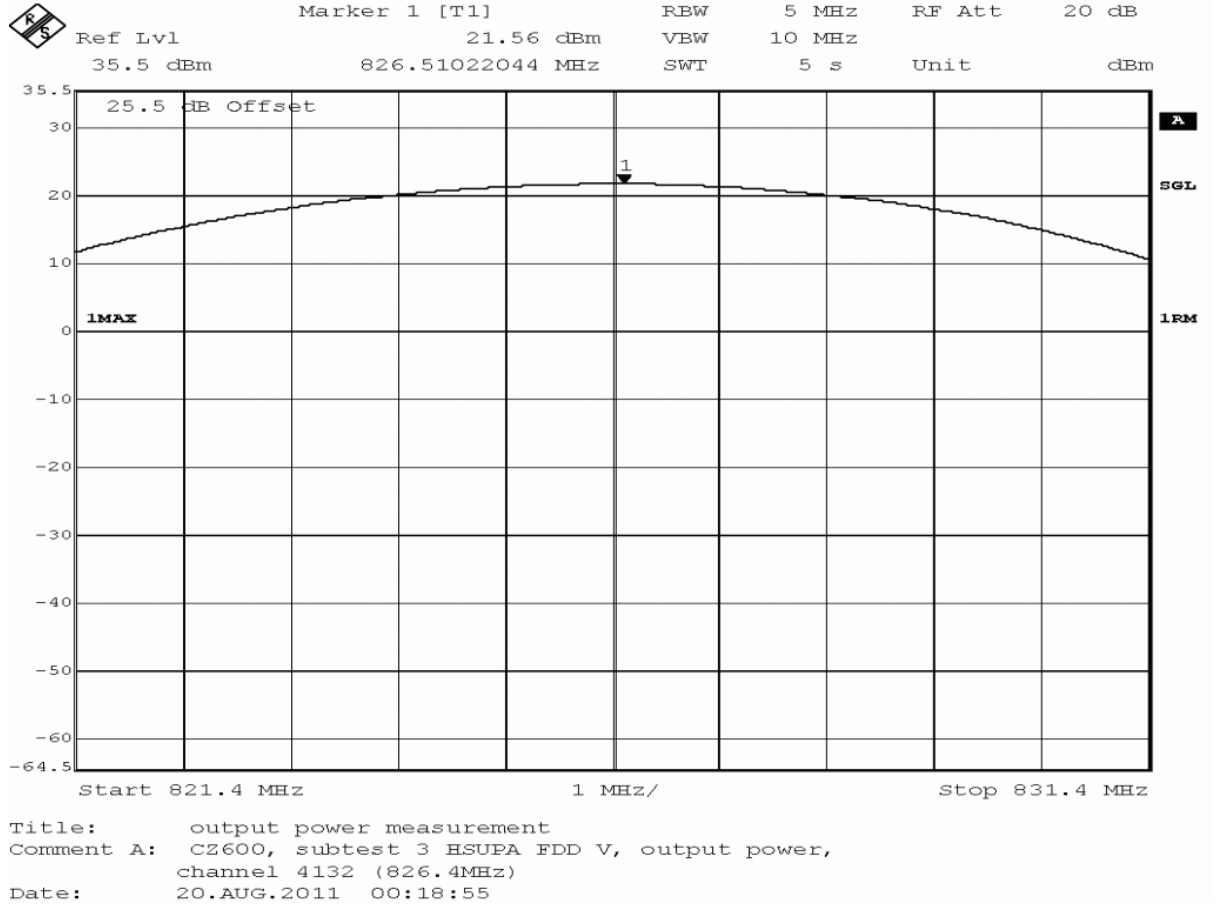
Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:16
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
          Marker 1 [T1]              RBW      5 MHz    RF Att    20 dB
Ref Lvl                   21.56 dBm  VBW     10 MHz
  35.5 dBm      826.51022044 MHz    SWT      5 s      Unit       dBm

35.5
  30    25.5 dB Offset                                                    A

  20                                        1                             SGL

  10

   0  1MAX                                                                1RM

 -10

 -20

 -30

 -40

 -50

 -60
-64.5
     Start 821.4 MHz              1 MHz/              Stop 831.4 MHz

Title:      output power measurement
Comment A:  CZ600, subtest 3 HSUPA FDD V, output power,
            channel 4132 (826.4MHz)
Date:       20.AUG.2011  00:18:55
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	30.25	passed
average	maxhold	5000	20.69	passed
rms	maxhold	5000	21.56	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.34 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4183, Frequency = 836.6MHz, Method = conducted
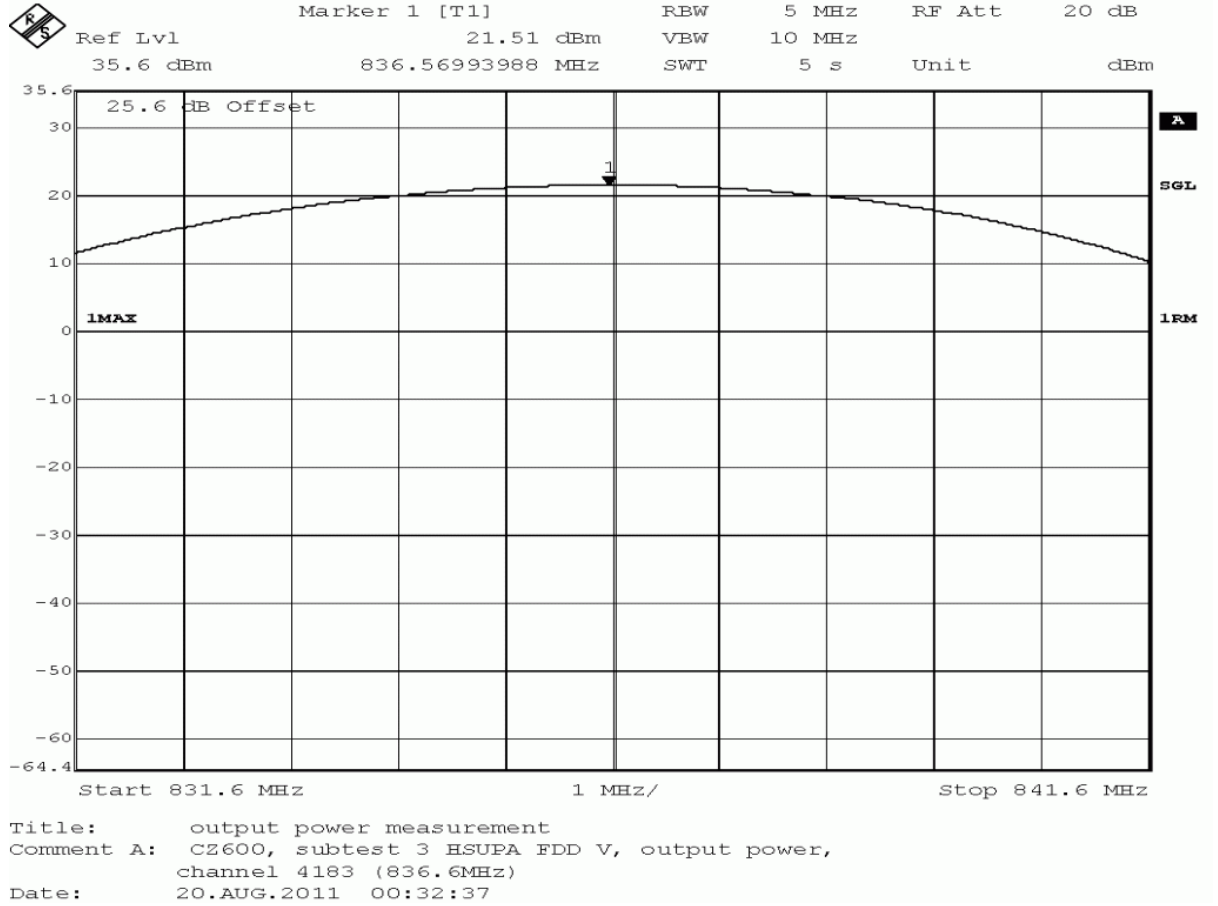
Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:30
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
                        Marker 1 [T1]           RBW     5 MHz    RF Att     20 dB
     Ref Lvl                       21.51 dBm    VBW    10 MHz
       35.6 dBm           836.56993988 MHz      SWT      5 s    Unit         dBm

     35.6
       30    25.6 dB Offset                                                         A

       20                                            1                             SGL

       10                                          ▼

                                                                                   1RM
        0   1MAX

      -10

      -20

      -30

      -40

      -50

      -60
    -64.4
        Start 831.6 MHz                    1 MHz/              Stop 841.6 MHz

    Title:      output power measurement
    Comment A:  CZ600, subtest 3 HSUPA FDD V, output power,
                channel 4183 (836.6MHz)
    Date:       20.AUG.2011  00:32:37
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.73	passed
average	maxhold	5000	20.60	passed
rms	maxhold	5000	21.51	passed

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

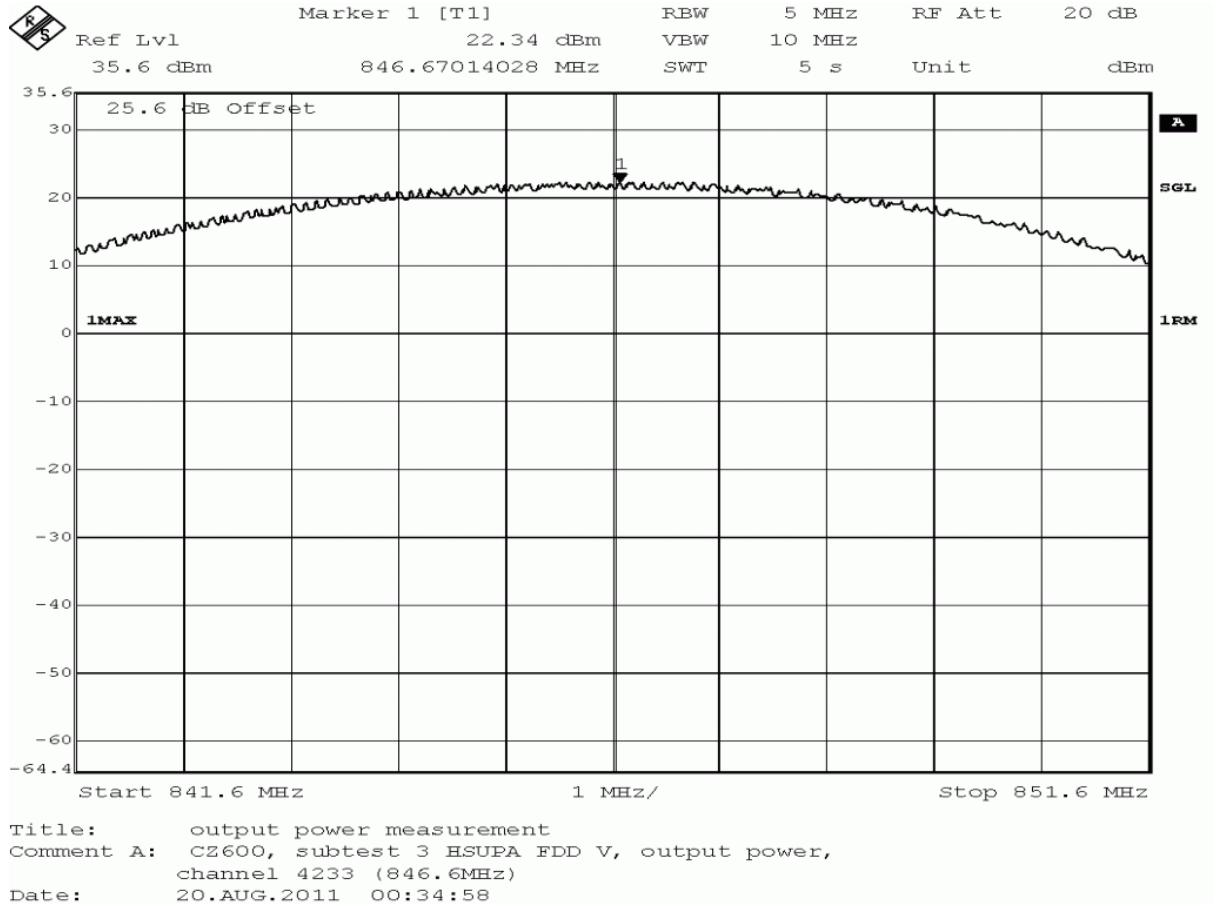**Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_3, Channel = 4233, Frequency = 846.6MHz, Method = conducted**

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:33
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
        R&S          Marker 1 [T1]              RBW      5 MHz    RF Att     20 dB
        Ref Lvl                      22.34 dBm  VBW     10 MHz
        35.6 dBm            846.67014028 MHz    SWT      5 s     Unit         dBm
```

```
Title:       output power measurement
Comment A:   CZ600, subtest 3 HSUPA FDD V, output power,
             channel 4233 (846.6MHz)
Date:        20.AUG.2011  00:34:58
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	30.50	passed
average	maxhold	5000	21.51	passed
rms	maxhold	5000	22.34	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.09 dBi

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

Result: Passed

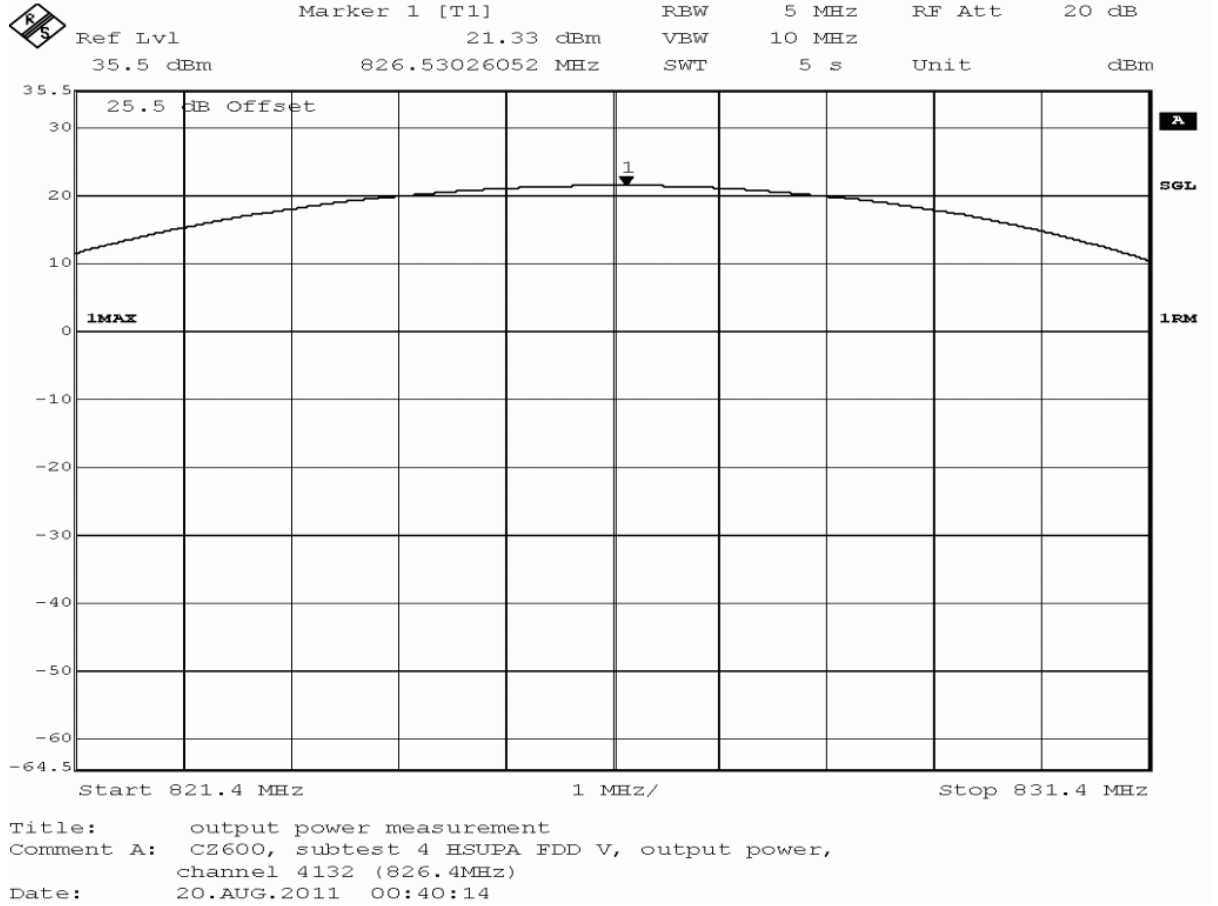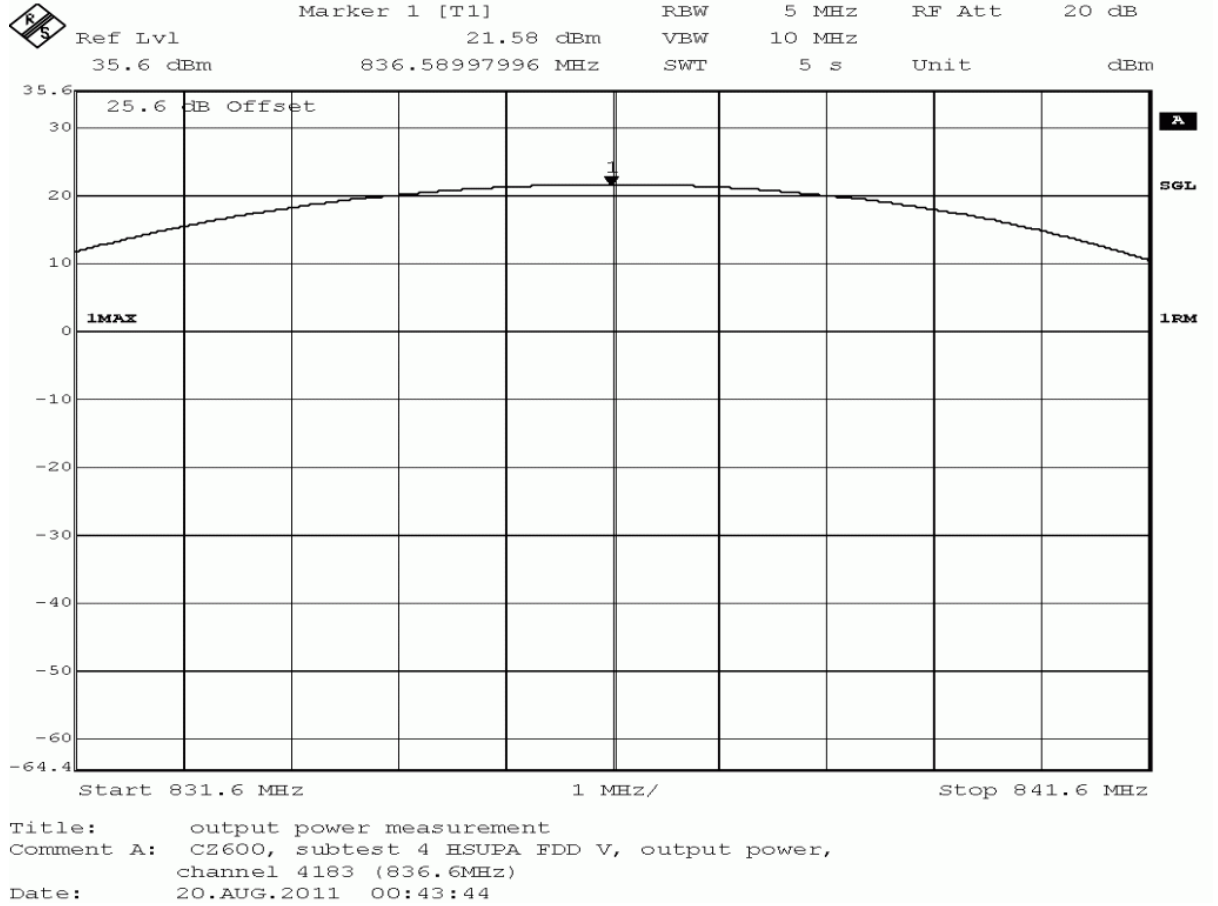*Setup No.:*   B01_direct

Date of Test: 2011/08/20   0:38

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
                          Marker 1 [T1]           RBW      5 MHz    RF Att     20 dB
       Ref Lvl                      21.33 dBm     VBW     10 MHz
         35.5 dBm           826.53026052 MHz      SWT      5 s      Unit          dBm
```



```
Title:        output power measurement
Comment A:    CZ600, subtest 4 HSUPA FDD V, output power,
              channel 4132 (826.4MHz)
Date:         20.AUG.2011  00:40:14
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.50	passed
average	maxhold	5000	20.55	passed
rms	maxhold	5000	21.33	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

11.09 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4183, Frequency = 836.6MHz, Method = conducted
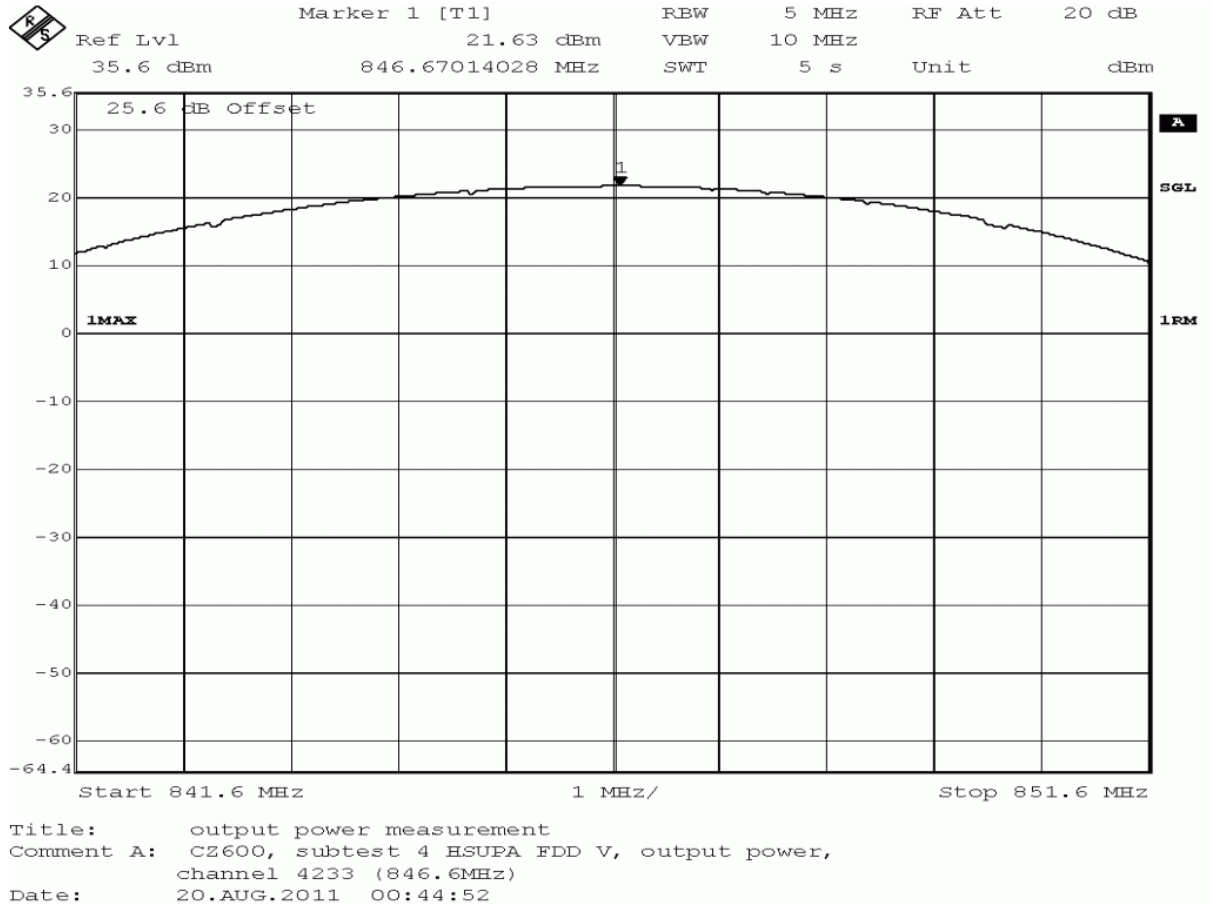
Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:41
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

Marker 1 [T1]	RBW	5 MHz	RF Att	20 dB
Ref Lvl	21.58 dBm	VBW	10 MHz	
35.6 dBm	836.58997996 MHz	SWT	5 s	Unit	dBm

```
Title:      output power measurement
Comment A:  CZ600, subtest 4 HSUPA FDD V, output power,
            channel 4183 (836.6MHz)
Date:       20.AUG.2011  00:43:44
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.73	passed
average	maxhold	5000	20.60	passed
rms	maxhold	5000	21.58	passed

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

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_4, Channel = 4233, Frequency = 846.6MHz, Method = conducted
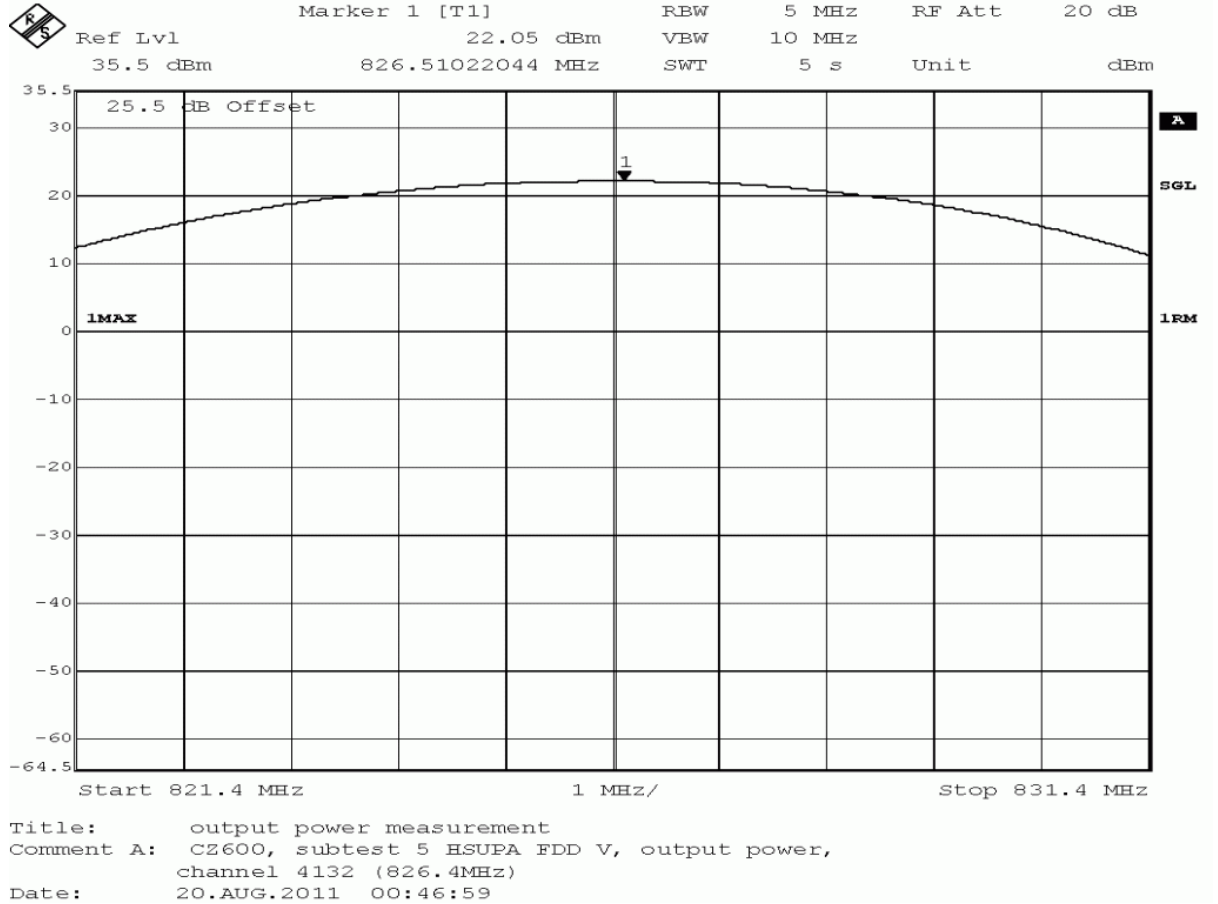
Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:42
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
         R                Marker 1 [T1]          RBW     5 MHz    RF Att    20 dB
         S    Ref Lvl                 21.63 dBm   VBW    10 MHz
              35.6 dBm          846.67014028 MHz   SWT     5 s    Unit       dBm
```



```
Title:      output power measurement
Comment A:  CZ600, subtest 4 HSUPA FDD V, output power,
            channel 4233 (846.6MHz)
Date:       20.AUG.2011  00:44:52
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.81	passed
average	maxhold	5000	20.73	passed
rms	maxhold	5000	21.63	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.78 dBi

Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4132, Frequency = 826.4MHz, Method = conducted
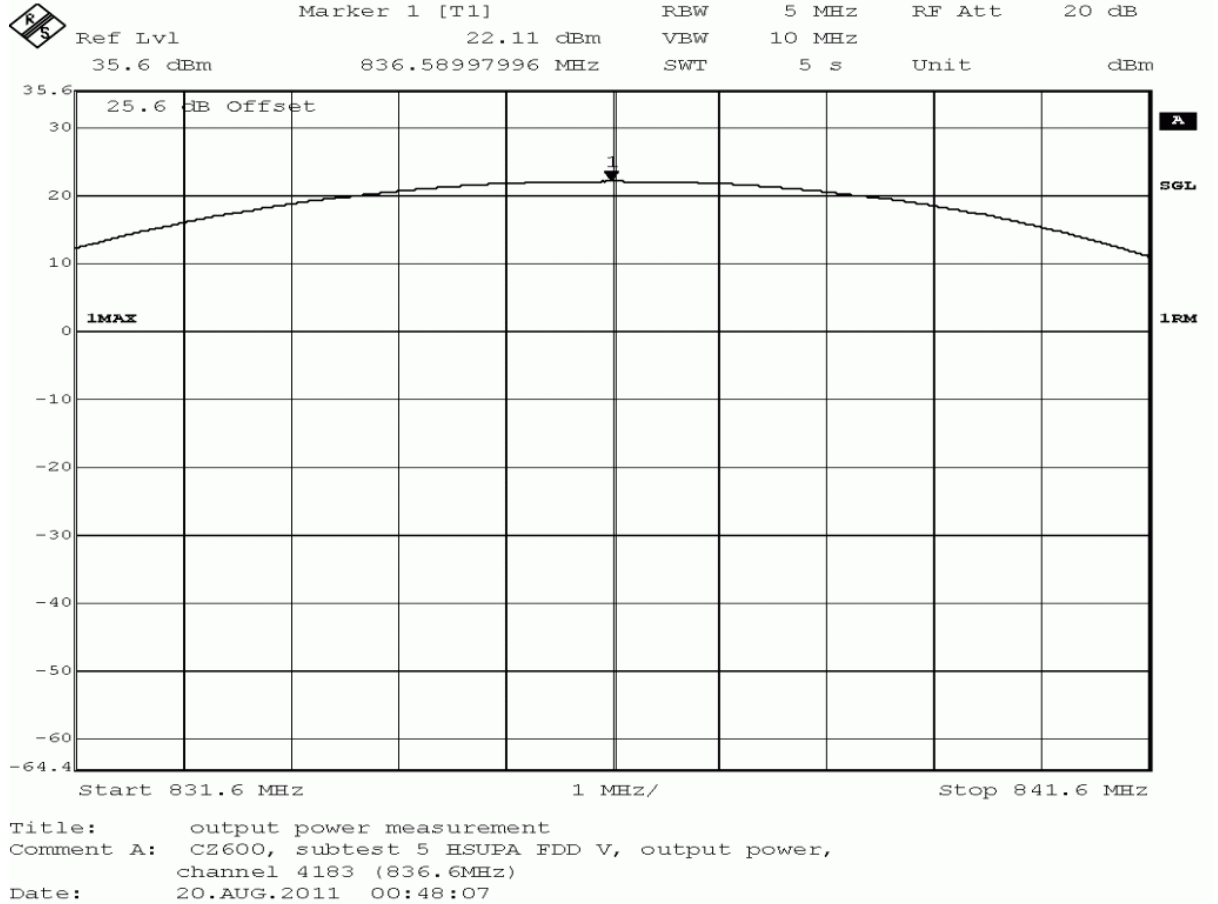
Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:45
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
                    Marker 1 [T1]              RBW     5 MHz    RF Att     20 dB
      Ref Lvl                      22.05 dBm   VBW    10 MHz
        35.5 dBm            826.51022044 MHz   SWT     5 s      Unit        dBm
```

```
Title:        output power measurement
Comment A:    CZ600, subtest 5 HSUPA FDD V, output power,
              channel 4132 (826.4MHz)
Date:         20.AUG.2011  00:46:59
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	29.63	passed
average	maxhold	5000	21.70	passed
rms	maxhold	5000	22.05	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

10.96 dBi

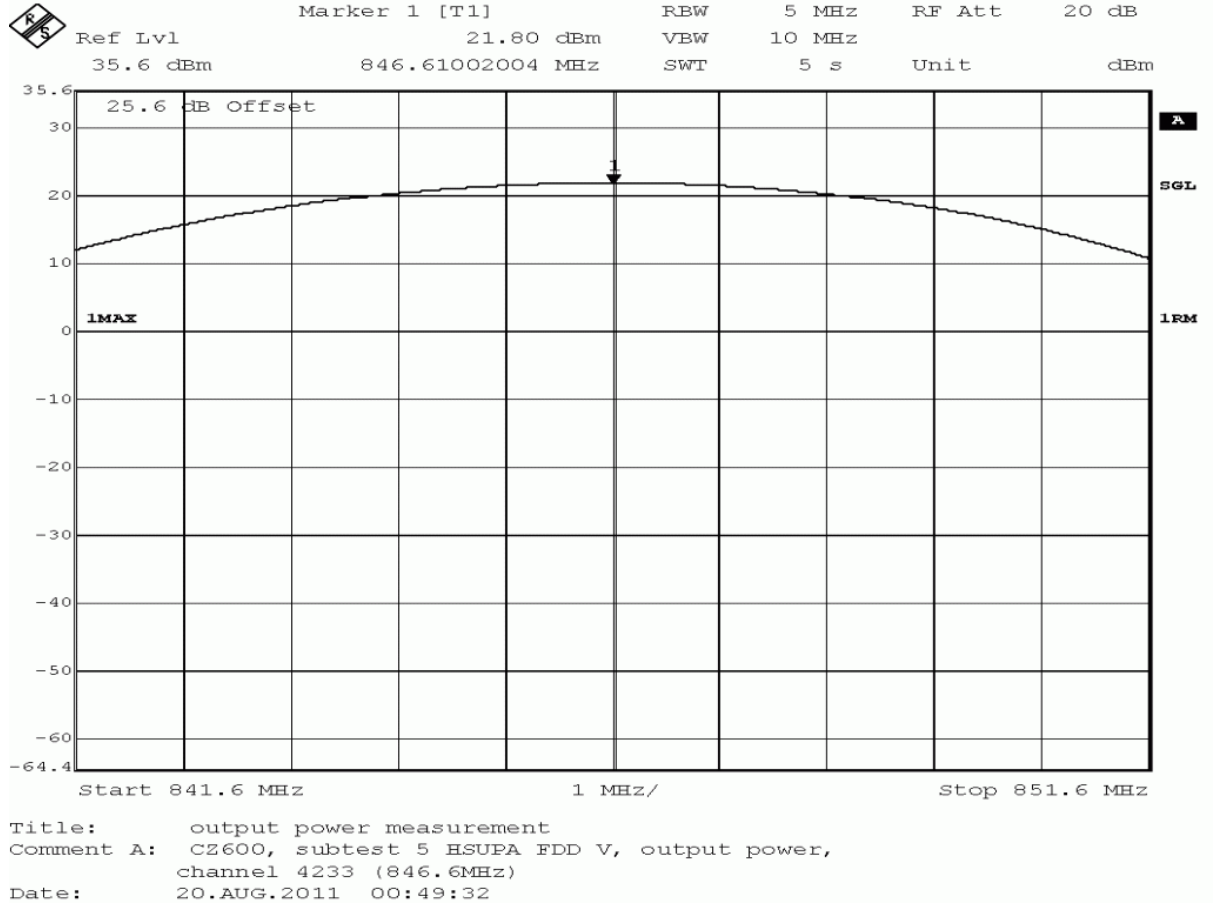**Test: 22.1; Frequency Band = FDD5, Mode = HSUPA_subtest_5, Channel = 4183, Frequency = 836.6MHz, Method = conducted**

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:46
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
         Marker 1 [T1]              RBW     5 MHz    RF Att    20 dB
  Ref Lvl                    22.11 dBm     VBW    10 MHz
  35.6 dBm           836.58997996 MHz     SWT      5 s     Unit        dBm
```



```
Title:      output power measurement
Comment A:  CZ600, subtest 5 HSUPA FDD V, output power,
            channel 4183 (836.6MHz)
Date:       20.AUG.2011  00:48:07
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	28.94	passed
average	maxhold	5000	21.72	passed
rms	maxhold	5000	22.11	passed

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

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

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/20 0:47
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
              Marker 1 [T1]              RBW      5 MHz    RF Att      20 dB
  Ref Lvl                      21.80 dBm  VBW    10 MHz
   35.6 dBm              846.61002004 MHz  SWT       5 s   Unit        dBm
```

```
Title:        output power measurement
Comment A:   CZ600, subtest 5 HSUPA FDD V, output power,
             channel 4233 (846.6MHz)
Date:         20.AUG.2011  00:49:32
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	28.70	passed
average	maxhold	5000	21.05	passed
rms	maxhold	5000	21.80	passed

no external antenna gain is specified, the verdict is valid

for external antenna gains equal or less than

11.89 dBi

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

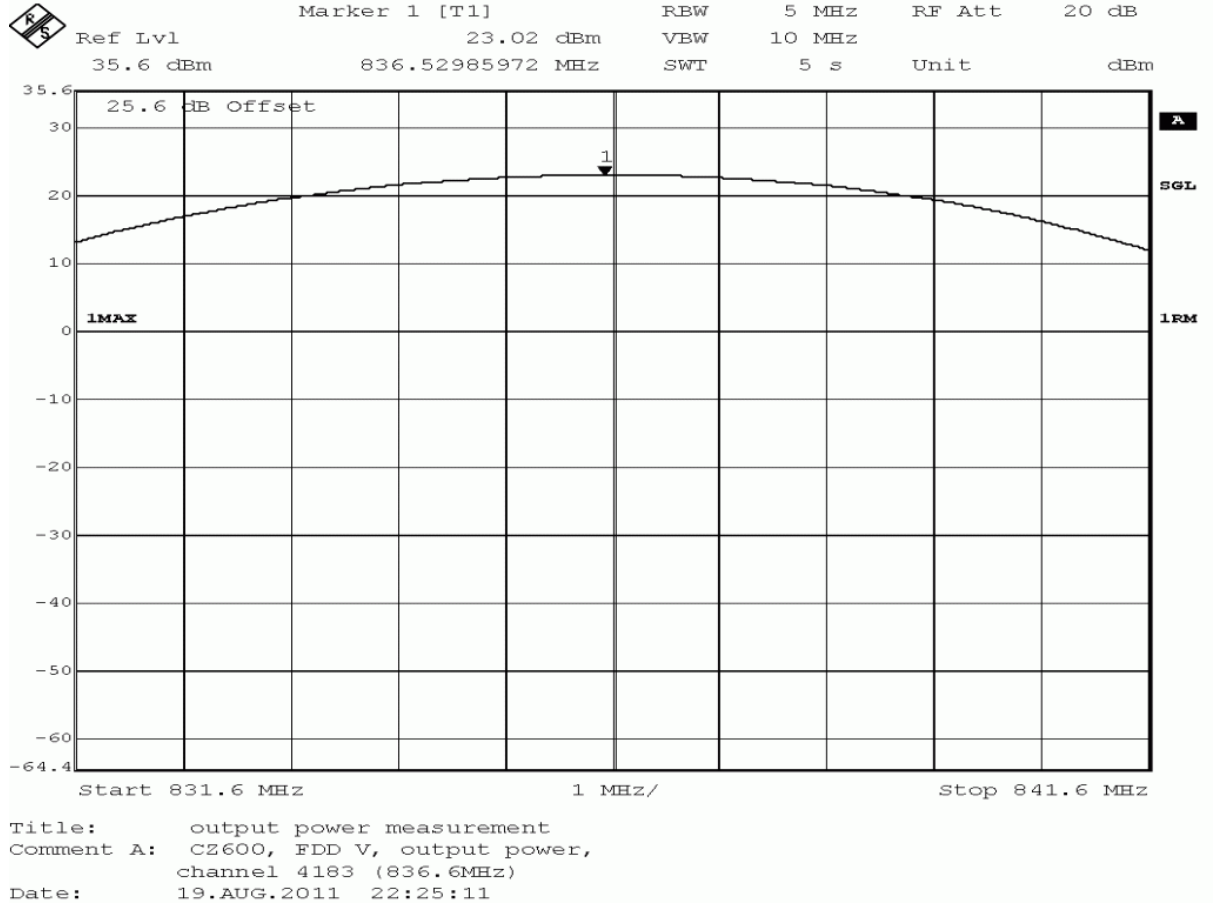|	
Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 22:17
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
         R&S    Marker 1 [T1]              RBW    5 MHz    RF Att    20 dB
         Ref Lvl                  23.18 dBm   VBW   10 MHz
          35.5 dBm          826.51022044 MHz   SWT     5 s    Unit       dBm
```



```
Title:       output power measurement
Comment A:   CZ600, FDD V, output power,
             channel 4132 (826.4MHz)
Date:        19.AUG.2011  22:19:10
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H
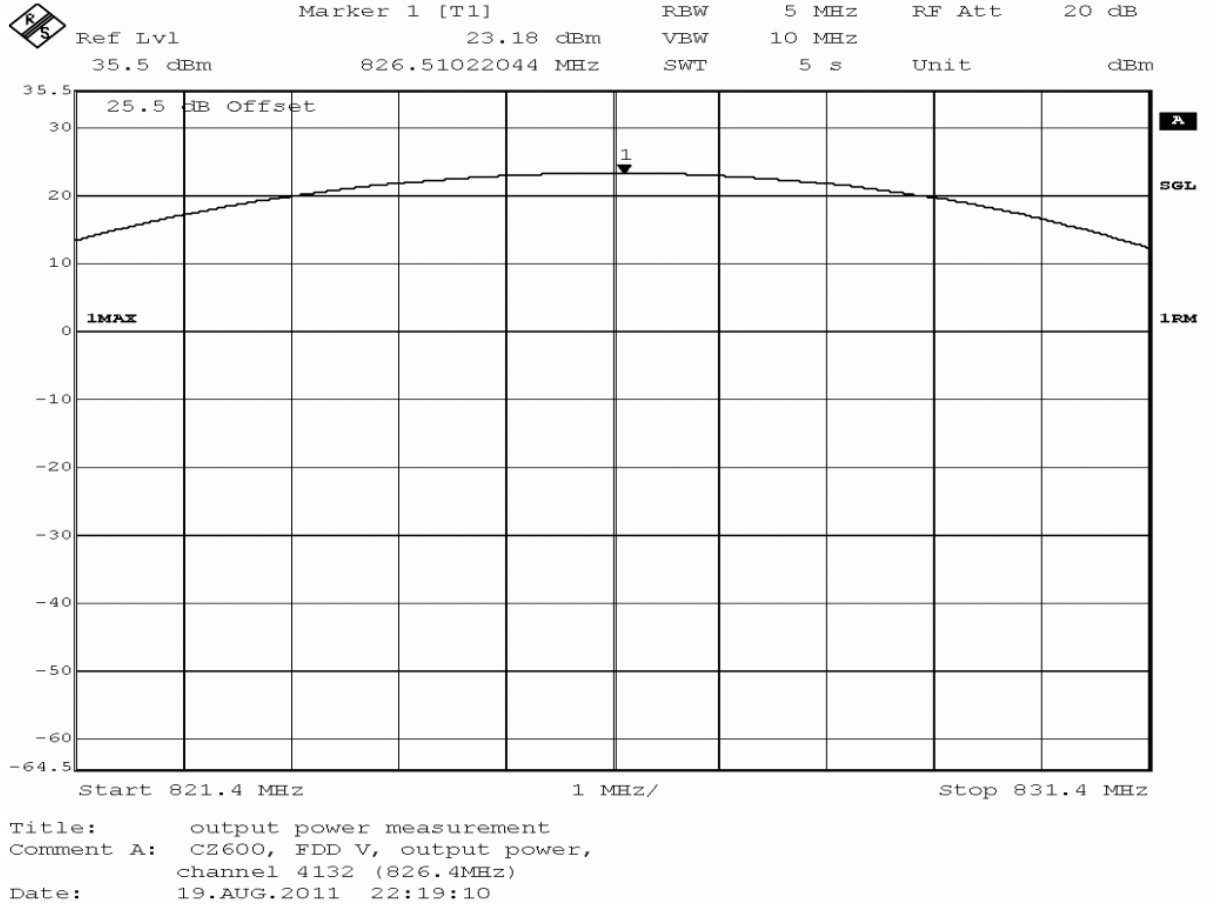
detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	28.84	passed
average	maxhold	5000	23.07	passed
rms	maxhold	5000	23.18	passed

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

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

Result: Passed

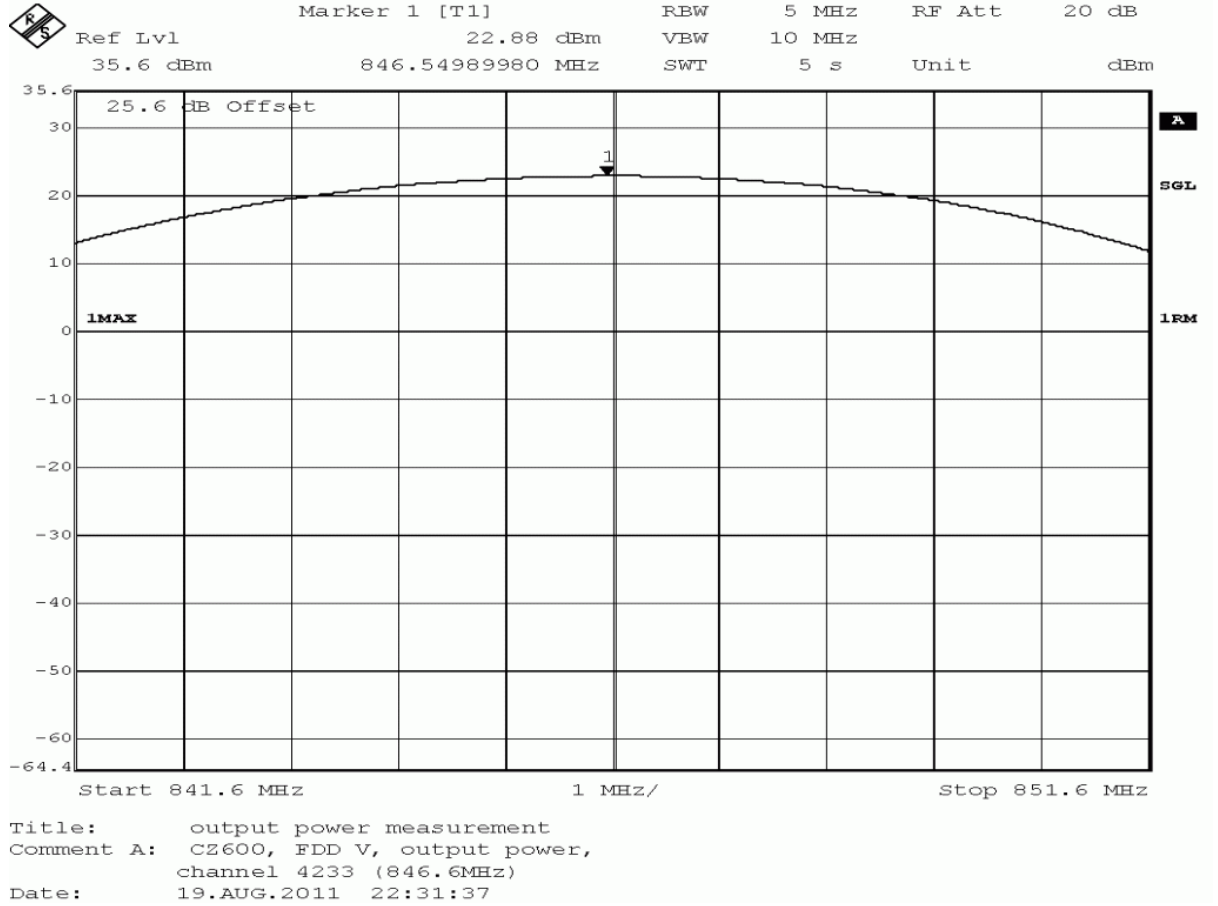*Setup No.:*   B01_direct

Date of Test: 2011/08/19 22:23

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

```
                          Marker 1 [T1]            RBW      5 MHz    RF Att    20 dB
     R                                      23.02  dBm    VBW     10 MHz
     S    Ref Lvl
          35.6 dBm               836.52985972 MHz   SWT       5 s    Unit        dBm
  35.6
    30      25.6 dB Offset                                                            A

    20                                               1                               SGL
                                                     ▼
    10

                                                                                    1RM
     0   1MAX

   -10

   -20

   -30

   -40

   -50

   -60
 -64.4
         Start 831.6 MHz                   1 MHz/              Stop 841.6 MHz


 Title:        output power measurement
 Comment A:  CZ600, FDD V, output power,
             channel 4183 (836.6MHz)
 Date:         19.AUG.2011  22:25:11
```

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	28.42	passed
average	maxhold	5000	22.69	passed
rms	maxhold	5000	23.02	passed

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

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

Result: Passed

Setup No.:   B01_direct

Date of Test: 2011/08/19 22:29

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:


```
        Marker 1 [T1]              RBW     5 MHz    RF Att    20 dB
 Ref Lvl                 22.88 dBm   VBW    10 MHz
   35.6 dBm        846.54989980 MHz  SWT     5 s     Unit      dBm
```

Title: output power measurement
Comment A: CZ600, FDD V, output power,
            channel 4233 (846.6MHz)
Date: 19.AUG.2011 22:31:37

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

detector	trace	resolution bandwidth /kHz	conducted peak value /dBm	verdict
peak	maxhold	5000	28.57	passed
average	maxhold	5000	22.67	passed
rms	maxhold	5000	22.88	passed

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

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

3.5.2   22.2   Frequency stability §2.1055

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

Result:	Passed
Setup No.:	B01_RF1
Date of Test:	2011/08/19 8:58
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

FCC part 22 frequency stability							
EDGE 850 TCH 190							
		Normal Voltage / V					
		4.2					
Temp. °C	Duration min	Freq. error Average (Hz)	Freq. error Max. (Hz)				
-30	0	33	39				
-30	5	35	44				
-30	10	38	45				
-20	0	-31	-37				
-20	5	-18	-24				
-20	10	-24	-30				
-10	0	1	7				
-10	5	-20	-35				
-10	10	26	33				
0	0	24	29				
0	5	21	28				
0	10	15	22				
10	0	-14	-22				
10	5	-39	-45				
10	10	-31	-36				
30	0	-46	-56				
30	5	-42	-46				
30	10	-29	-33				
40	0	-42	-52				
40	5	-22	-27				
40	10	-36	-41				
50	0	-16	-22				
50	5	-39	-46				
50	10	-45	-52				
Remark	none						
		Minimum Voltage / V		Normal Voltage / V		Maximum Voltage / V	
		85%=3.3		100%=4.2		115%=x.x	
Temp. °C	Duration min	Freq. error Average (Hz)	Freq. error Max. (Hz)	Freq. error Average (Hz)	Freq. error Max. (Hz)	Freq. error Average (Hz)	Freq. error Max. (Hz)
20	0	-37	-44	-31	-40	-	-
20	5	-38	-43	-24	-28	-	-
20	10	-31	-36	-11	-16	-	-
Remark	The EUT was not able to reach (115% of normal voltage)						

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

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

Result:	Passed
Setup No.:	B01_RF1
Date of Test:	2011/08/19 8:58
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Detailed Results:

<table>
<tr><th colspan="4">FCC part 22 frequency stability</th><th></th></tr>
<tr><th colspan="4">GSM 850 TCH 190</th><th></th></tr>
<tr><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td colspan="2">Normal Voltage / V</td><td></td></tr>
<tr><td></td><td></td><td colspan="2">4.2</td><td></td></tr>
<tr><th>Temp.
°C</th><th>Duration
min</th><th>Freq. error
Average
(Hz)</th><th>Freq. error
Max. (Hz)</th><th></th></tr>
<tr><td>-30</td><td>0</td><td>5</td><td>9</td><td></td></tr>
<tr><td>-30</td><td>5</td><td>-3</td><td>-6</td><td></td></tr>
<tr><td>-30</td><td>10</td><td>18</td><td>11</td><td></td></tr>
<tr><td>-20</td><td>0</td><td>16</td><td>23</td><td></td></tr>
<tr><td>-20</td><td>5</td><td>-4</td><td>-11</td><td></td></tr>
<tr><td>-20</td><td>10</td><td>14</td><td>19</td><td></td></tr>
<tr><td>-10</td><td>0</td><td>20</td><td>25</td><td></td></tr>
<tr><td>-10</td><td>5</td><td>12</td><td>16</td><td></td></tr>
<tr><td>-10</td><td>10</td><td>25</td><td>28</td><td></td></tr>
<tr><td>0</td><td>0</td><td>18</td><td>28</td><td></td></tr>
<tr><td>0</td><td>5</td><td>12</td><td>19</td><td></td></tr>
<tr><td>0</td><td>10</td><td>10</td><td>14</td><td></td></tr>
<tr><td>10</td><td>0</td><td>-12</td><td>-19</td><td></td></tr>
<tr><td>10</td><td>5</td><td>-5</td><td>-10</td><td></td></tr>
<tr><td>10</td><td>10</td><td>-2</td><td>-6</td><td></td></tr>
<tr><td>30</td><td>0</td><td>-24</td><td>-33</td><td></td></tr>
<tr><td>30</td><td>5</td><td>-26</td><td>-37</td><td></td></tr>
<tr><td>30</td><td>10</td><td>-12</td><td>-17</td><td></td></tr>
<tr><td>40</td><td>0</td><td>-16</td><td>-24</td><td></td></tr>
<tr><td>40</td><td>5</td><td>-8</td><td>-11</td><td></td></tr>
<tr><td>40</td><td>10</td><td>-8</td><td>-13</td><td></td></tr>
<tr><td>50</td><td>0</td><td>-24</td><td>-45</td><td></td></tr>
<tr><td>50</td><td>5</td><td>-11</td><td>-17</td><td></td></tr>
<tr><td>50</td><td>10</td><td>-18</td><td>-30</td><td></td></tr>
<tr><td colspan="2">Remark none</td><td></td><td></td><td></td></tr>
</table>

<table>
<tr><td></td><td></td><th colspan="2">Minimum Voltage / V</th><th colspan="2">Normal Voltage / V</th><th colspan="2">Maximum Voltage / V</th><td></td></tr>
<tr><td></td><td></td><td colspan="2">85%=3.3</td><td colspan="2">100%=4.2</td><td colspan="2">115%=x.x</td><td></td></tr>
<tr><th>Temp.
°C</th><th>Duration
min</th><th>Freq. error
Average
(Hz)</th><th>Freq. error
Max. (Hz)</th><th>Freq. error
Average
(Hz)</th><th>Freq. error
Max. (Hz)</th><th>Freq. error
Average
(Hz)</th><th>Freq. error
Max. (Hz)</th><th></th></tr>
<tr><td>20</td><td>0</td><td>-18</td><td>-25</td><td>-31</td><td>-40</td><td>-</td><td>-</td><td></td></tr>
<tr><td>20</td><td>5</td><td>-10</td><td>-16</td><td>-24</td><td>-28</td><td>-</td><td>-</td><td></td></tr>
<tr><td>20</td><td>10</td><td>2</td><td>6</td><td>-11</td><td>-16</td><td>-</td><td>-</td><td></td></tr>
<tr><td colspan="8">Remark The EUT was not able to reach (115% of normal voltage)</td><td></td></tr>
</table>

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

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

Result:	Passed
Setup No.:	B01_RF1
Date of Test:	2011/08/19 8:55
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Detailed Results:

FCC part 22 frequency stability							
UTRA FDD V HSDPA UARFCN 4183							
		Normal Voltage / V					
		4.2					
Temp. °C	Duration min	Freq. error Average (Hz)	Freq. error Max. (Hz)				
-30	0	-7	-11				
-30	5	-5	-10				
-30	10	-2	-5				
-20	0	-2	-9				
-20	5	-3	-9				
-20	10	-2	-8				
-10	0	-3	-11				
-10	5	-4	-9				
-10	10	-3	-7				
0	0	6	15				
0	5	4	11				
0	10	4	9				
10	0	-4	-11				
10	5	0	10				
10	10	2	8				
30	0	-2	-8				
30	5	1	7				
30	10	2	8				
40	0	-4	-9				
40	5	-5	-10				
40	10	-5	-9				
50	0	-4	10				
50	5	-4	14				
50	10	-3	-18				
Remark	none						

		Minimum Voltage / V		Normal Voltage / V		Maximum Voltage / V	
		85%=3.3		100%=4.2		115%=x.x	
Temp. °C	Duration min	Freq. error Average (Hz)	Freq. error Max. (Hz)	Freq. error Average (Hz)	Freq. error Max. (Hz)	Freq. error Average (Hz)	Freq. error Max. (Hz)
20	0	-4	-13	-5	-12	-	-
20	5	-5	-14	1	7	-	-
20	10	-2	-13	2	9	-	-
Remark	The EUT was not able to reach (115% of normal voltage)						

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

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

Result:	Passed
Setup No.:	B01_RF1
Date of Test:	2011/08/19 8:59
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Detailed Results:

FCC part 22 frequency stability			
UTRA FDD V HSUPA UARFCN 4183			
		Normal Voltage / V	
		4.2	
Temp. °C	Duration min	Freq. error Average (Hz)	Freq. error Max. (Hz)
-30	0	-4	-8
-30	5	-2	-4
-30	10	3	17
-20	0	-4	-10
-20	5	-2	-4
-20	10	3	16
-10	0	-3	-11
-10	5	2	19
-10	10	5	22
0	0	-4	-12
0	5	-4	-9
0	10	0	-7
10	0	-3	-9
10	5	-5	-7
10	10	-2	-5
30	0	-1	-10
30	5	-2	-7
30	10	3	6
40	0	-6	-12
40	5	-5	-9
40	10	-4	-6
50	0	2	9
50	5	3	10
50	10	-1	-4
Remark	none		

		Minimum Voltage / V		Normal Voltage / V		Maximum Voltage / V	
		85%=3.3		100%=4.2		115%=x.x	
Temp. °C	Duration min	Freq. error Average (Hz)	Freq. error Max. (Hz)	Freq. error Average (Hz)	Freq. error Max. (Hz)	Freq. error Average (Hz)	Freq. error Max. (Hz)
20	0	-4	-9	-3	-8	-	-
20	5	-5	-7	-2	-5	-	-
20	10	-4	-9	-1	-3	-	-
Remark	The EUT was not able to reach (115% of normal voltage)						

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

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

Result:	Passed
Setup No.:	B01_RF1
Date of Test:	2011/08/19 8:59
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Detailed Results:

FCC part 22 frequency stability			
UTRA FDD V UARFCN 4183			
		Normal Voltage / V	
		4.2	
Temp. °C	Duration min	Freq. error Average (Hz)	Freq. error Max. (Hz)
-30	0	-6	-20
-30	5	-1	-18
-30	10	-5	-18
-20	0	2	19
-20	5	-5	-17
-20	10	-4	-16
-10	0	-3	-19
-10	5	-3	-14
-10	10	-5	-18
0	0	5	21
0	5	3	14
0	10	4	18
10	0	-1	-22
10	5	-6	-11
10	10	-6	-15
30	0	6	16
30	5	6	12
30	10	-1	-14
40	0	-4	-20
40	5	-3	-11
40	10	-4	-15
50	0	-4	-11
50	5	-4	-12
50	10	-3	-16
Remark	none		

Temp. °C	Duration min	Minimum Voltage / V 85%=3.3		Normal Voltage / V 100%=4.2		Maximum Voltage / V 115%=x.x	
		Freq. error Average (Hz)	Freq. error Max. (Hz)	Freq. error Average (Hz)	Freq. error Max. (Hz)	Freq. error Average (Hz)	Freq. error Max. (Hz)
20	0	-1	9	0	12	-	-
20	5	-8	-21	5	15	-	-
20	10	-8	-18	-2	-11	-	-
Remark	The EUT was not able to reach (115% of normal voltage)						

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

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

Result:	Passed
Setup No.:	B01_direct
Date of Test:	2011/08/19 20:22
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:
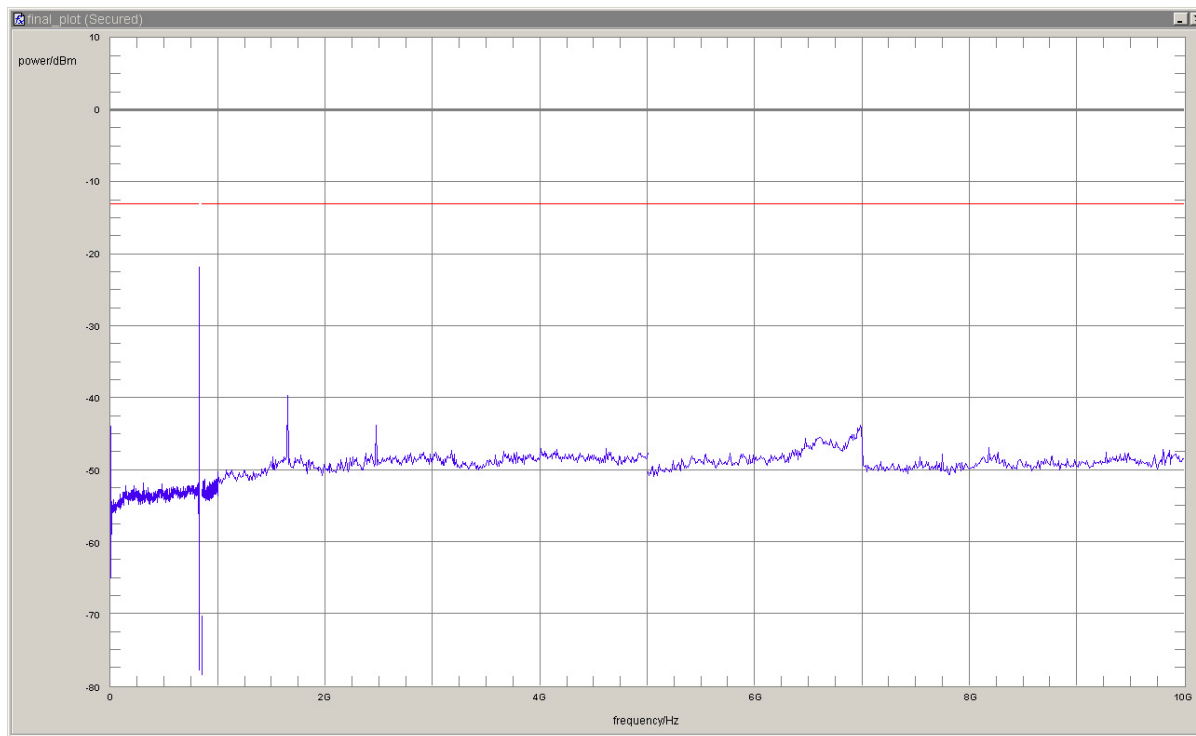
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	3	823.9379	-31.8	18.8	-13.0	passed
peak	maxhold	3	823.9559	-26.3	13.3	-13.0	passed
peak	maxhold	3	823.9800	-21.8	8.8	-13.0	passed
peak	maxhold	3	823.9900	-23.0	10.0	-13.0	passed

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.:*   B01_direct

Date of Test: 2011/08/19 20:05

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:
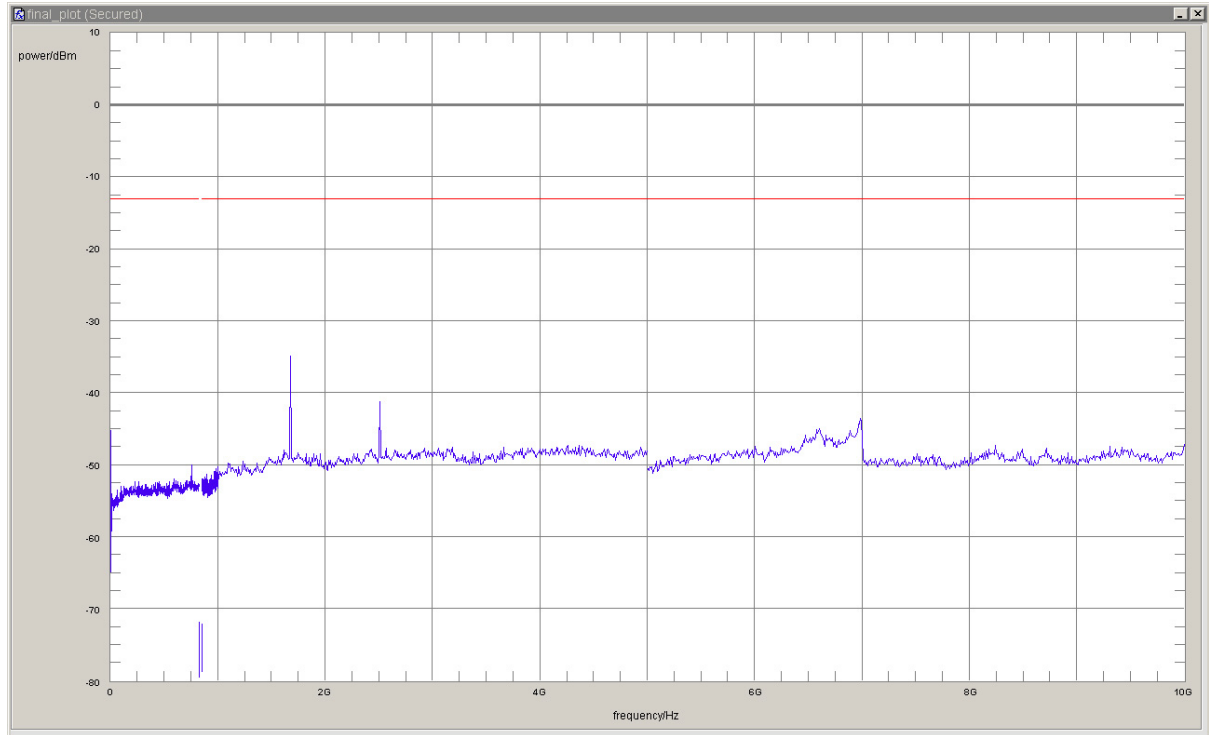
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	100	1673.347	-34.82	21.82	-13	passed

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.:*   B01_direct

Date of Test: 2011/08/19 20:36

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:
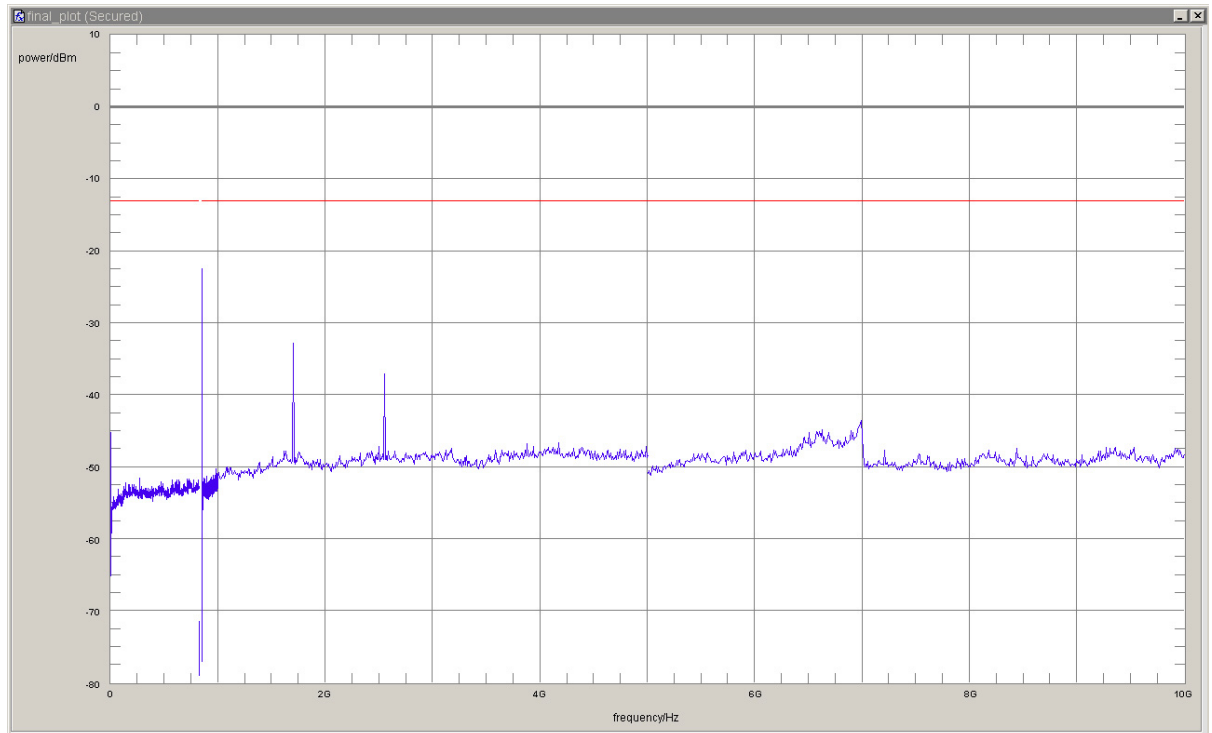
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	3	849.0020	-23.6	10.6	-13.0	passed
peak	maxhold	3	849.0080	-23.8	10.8	-13.0	passed
peak	maxhold	3	849.0240	-22.5	9.5	-13.0	passed
peak	maxhold	3	849.0321	-22.9	9.9	-13.0	passed
peak	maxhold	3	849.0501	-25.8	12.8	-13.0	passed
peak	maxhold	3	849.0561	-32.9	19.9	-13.0	passed
peak	maxhold	3	849.0701	-30.3	17.3	-13.0	passed
peak	maxhold	100	1697.39	-32.8	19.8	-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.:	B01_direct
Date of Test:	2011/08/19 22:14
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:
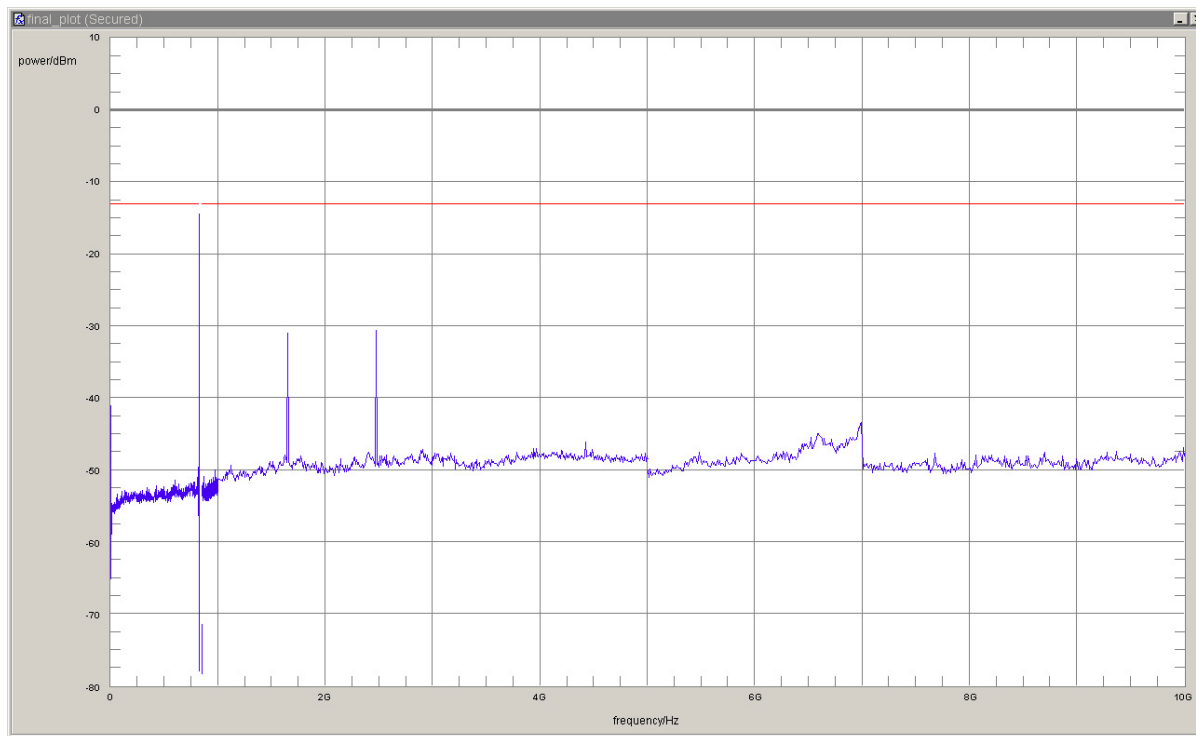
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	3	823.9178	-24.4	11.4	-13.0	passed
peak	maxhold	3	823.9419	-21.8	8.8	-13.0	passed
peak	maxhold	3	823.9719	-15.0	2.0	-13.0	passed
peak	maxhold	3	823.9820	-14.8	1.8	-13.0	passed
peak	maxhold	3	823.9980	-14.4	1.4	-13.0	passed
peak	maxhold	100	1649.30	-31.0	18.0	-13.0	passed
peak	maxhold	100	2474.95	-30.6	17.6	-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.:*   B01_direct

Date of Test: 2011/08/19 20:51

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:
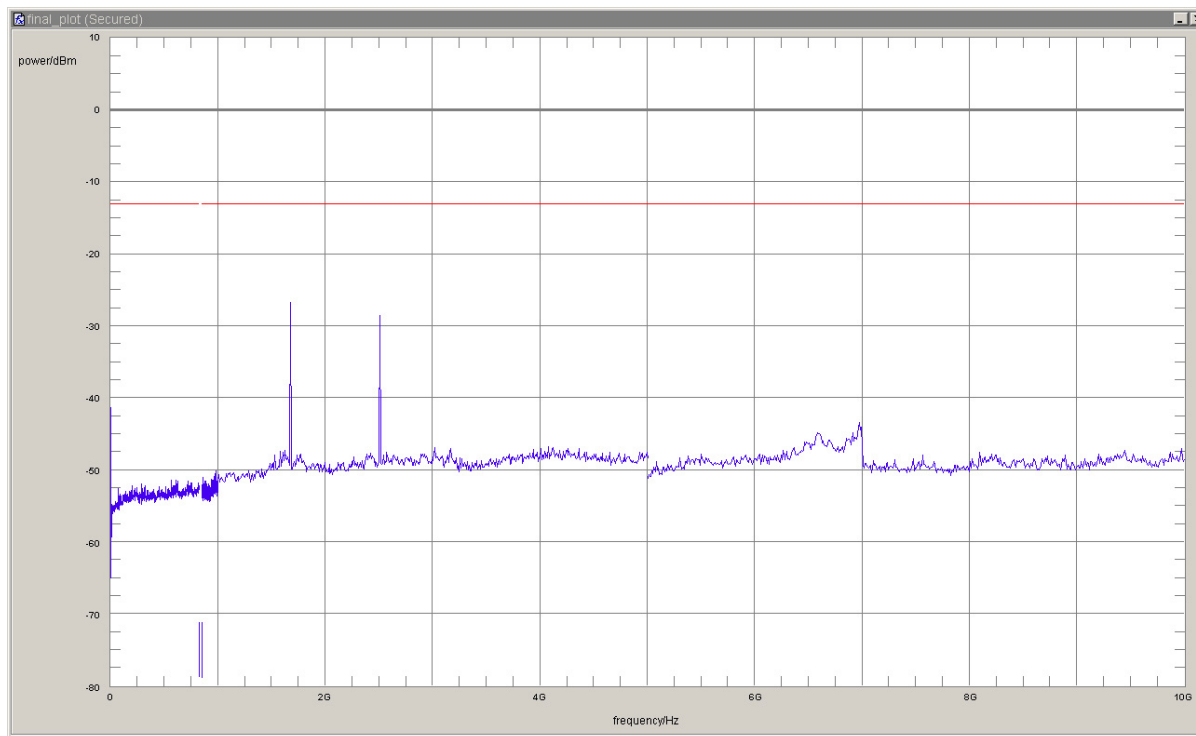
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	100	1673.35	-26.7	13.7	-13.0	passed
peak	maxhold	100	2507.01	-28.5	15.5	-13.0	passed

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

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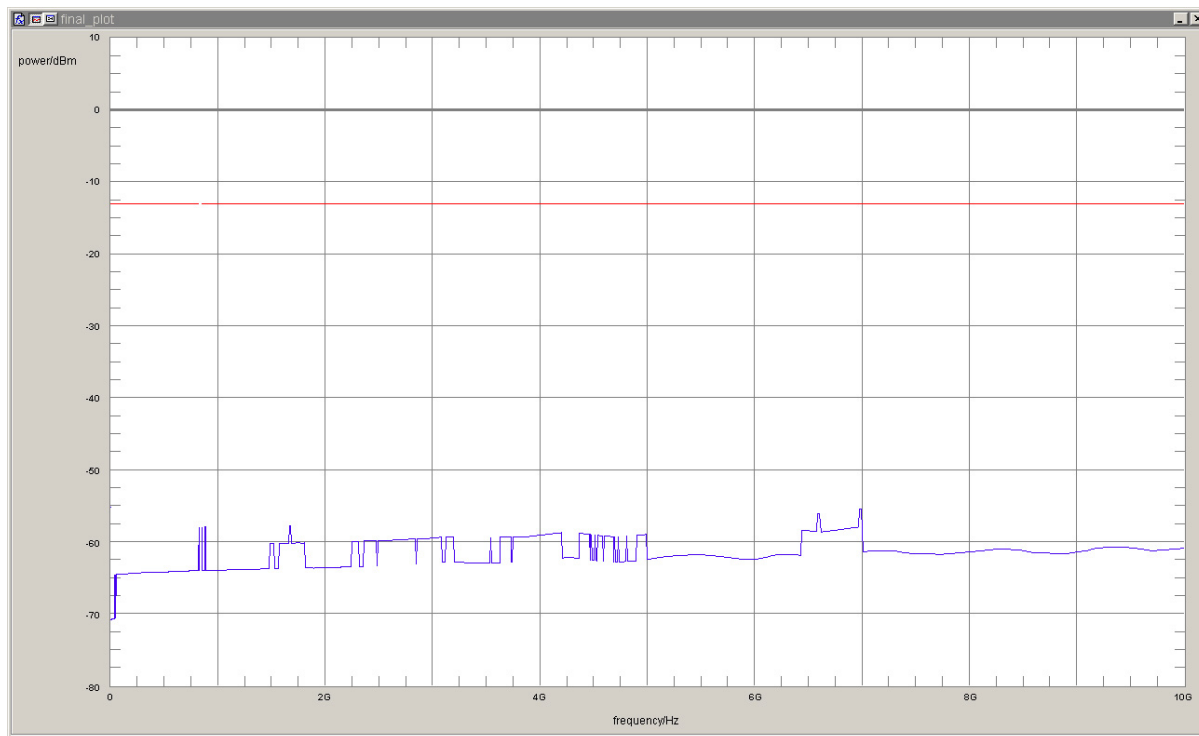
Result: Passed

Setup No.: B01_direct

Date of Test: 2011/08/19 21:58

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:
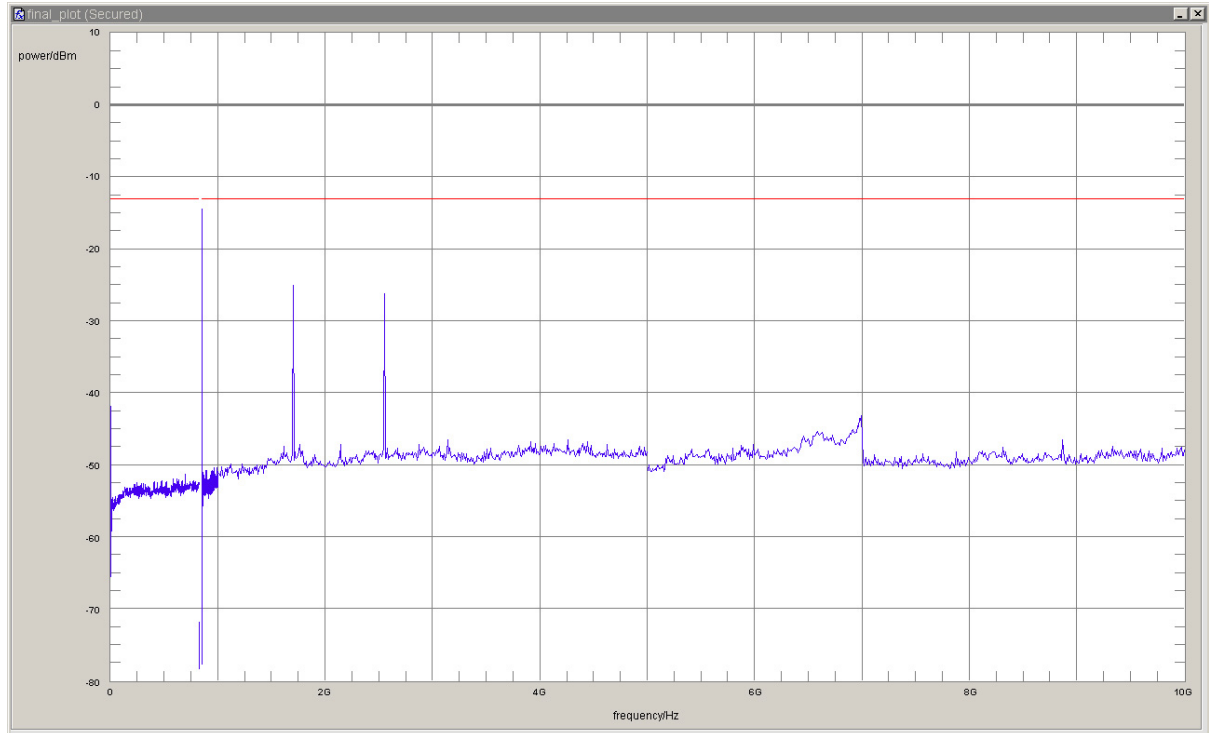
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
peak	maxhold	3	849.0020	-17.3	4.3	-13.0	passed
peak	maxhold	3	849.0281	-14.5	1.5	-13.0	passed
peak	maxhold	3	849.0341	-15.7	2.7	-13.0	passed
peak	maxhold	3	849.0541	-18.7	5.7	-13.0	passed
peak	maxhold	3	849.0641	-22.6	9.6	-13.0	passed
peak	maxhold	3	849.0922	-30.9	17.9	-13.0	passed
peak	maxhold	100	1697.39	-25.1	12.1	-13.0	passed
peak	maxhold	100	2547.09	-26.2	13.2	-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.:	B01_direct
Date of Test:	2011/08/19 22:52
Body:	FCC47CFRChIPART22PUBLIC MOBILE SERVICES
Test Specification:	FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:
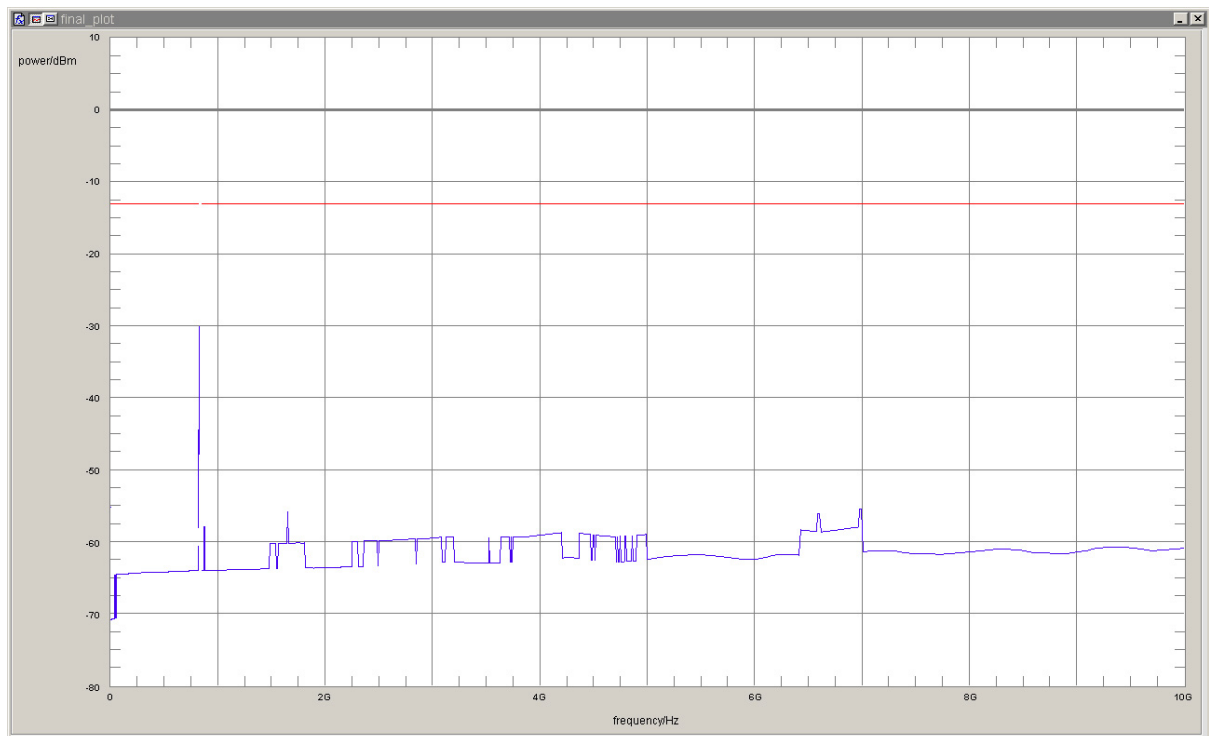
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	50	823.98	-30.1	17.1	-13.0	passed

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.:   B01_direct

Date of Test: 2011/08/19 23:11

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

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 = HSDPA, Channel = 4233, Frequency = 846.6MHz

Result: Passed

Setup No.:   B01_direct

Date of Test: 2011/08/19 23:18

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:
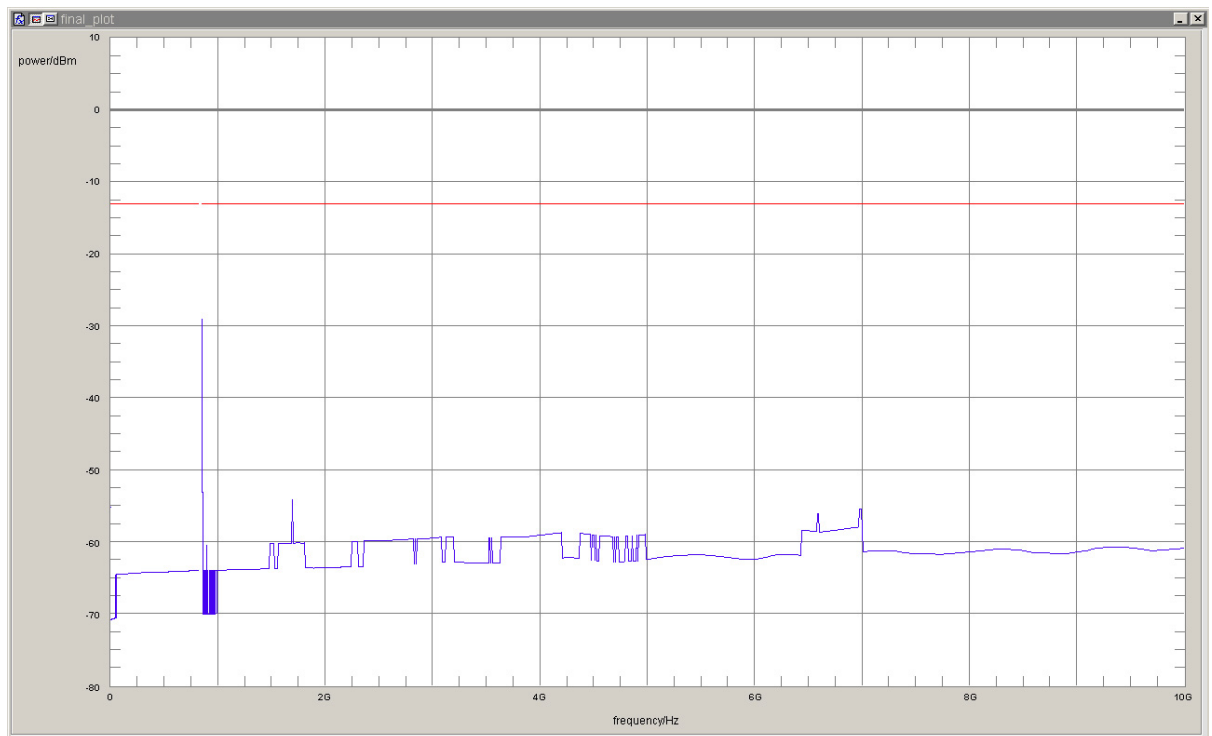
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	50	849.04	-29.1	16.1	-13.0	passed
rms	maxhold	100	850.27	-32.3	19.3	-13.0	passed

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

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

Result: Passed

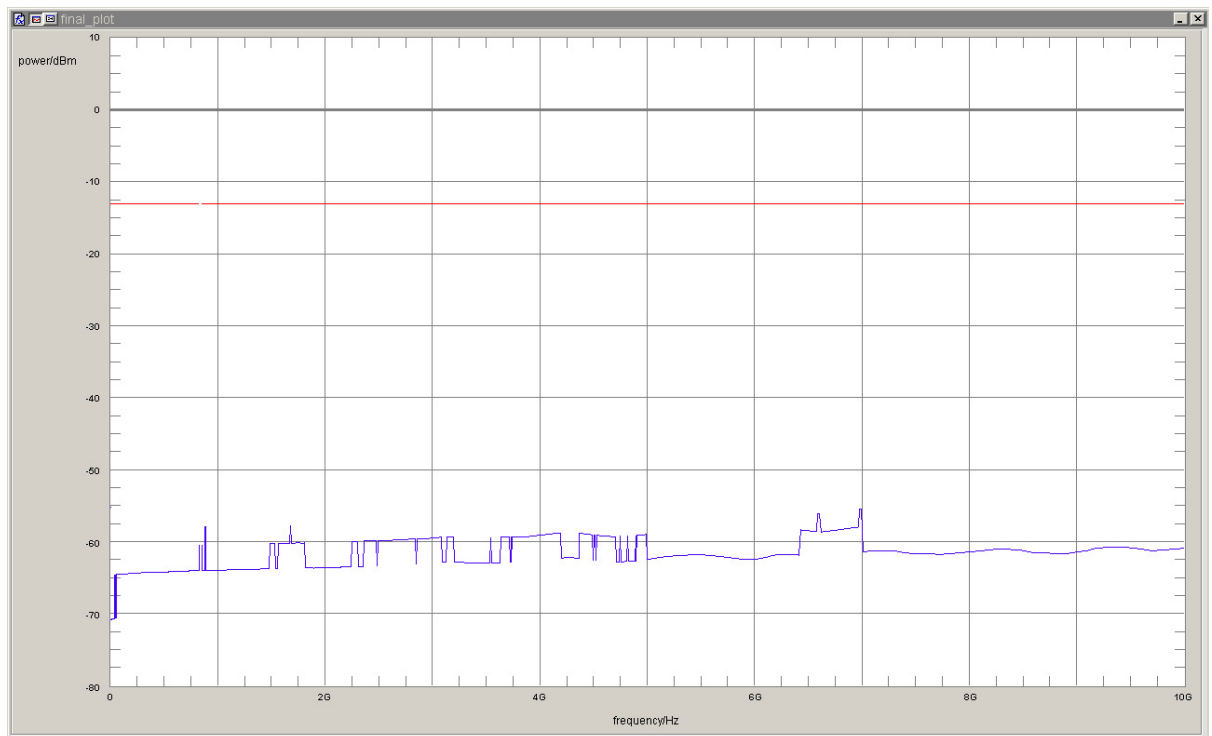*Setup No.:*   B01_direct

Date of Test: 2011/08/19 23:31

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:
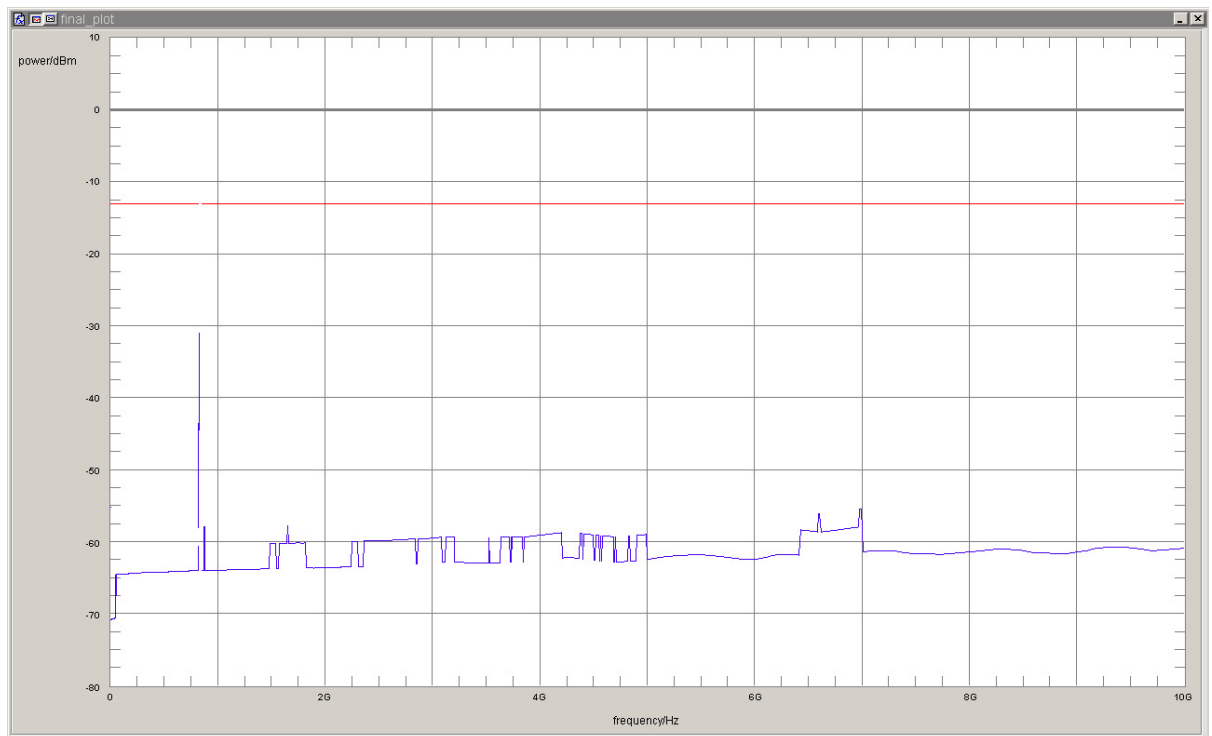
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	100	822.95	-33.0	20.0	-13.0	passed
rms	maxhold	50	823.97	-30.9	17.9	-13.0	passed

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.: B01_direct

Date of Test: 2011/08/19 23:38

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

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.:   B01_direct

Date of Test: 2011/08/19 23:51

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:
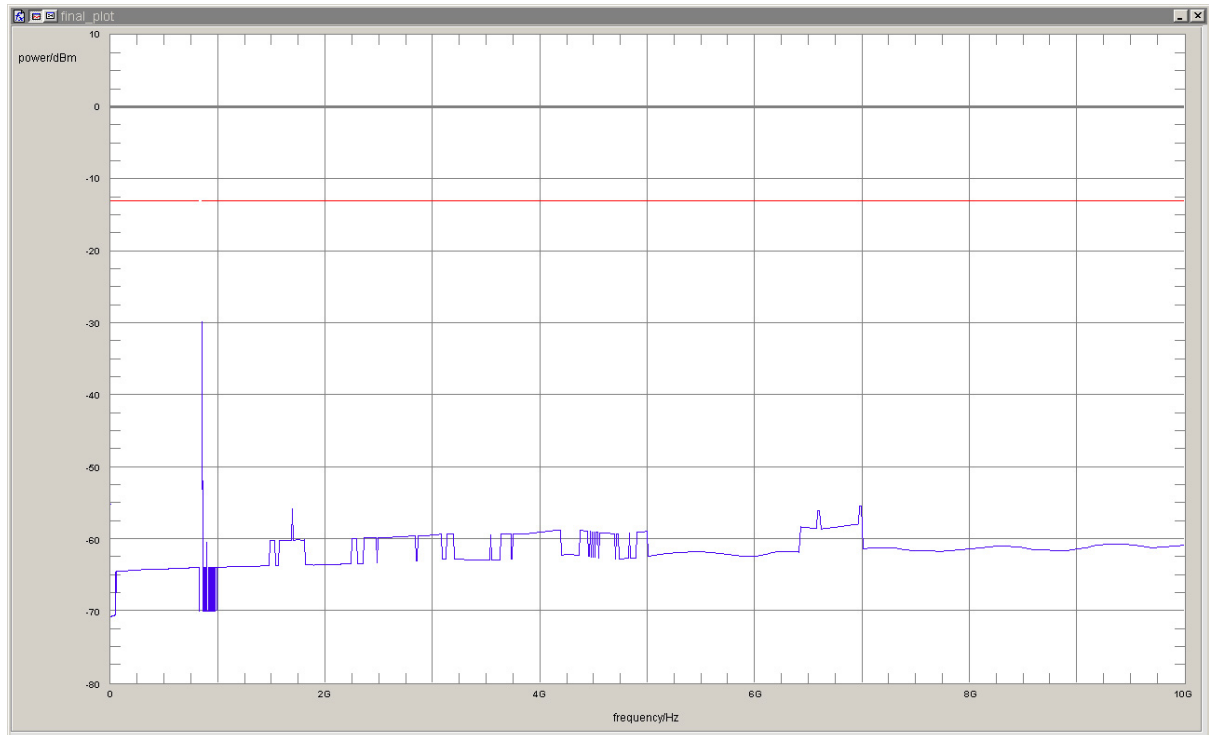
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	50	849.05	-29.8	16.8	-13.0	passed
rms	maxhold	100	850.05	-30.1	17.1	-13.0	passed

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.:   B01_direct

Date of Test: 2011/08/19 22:19

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:
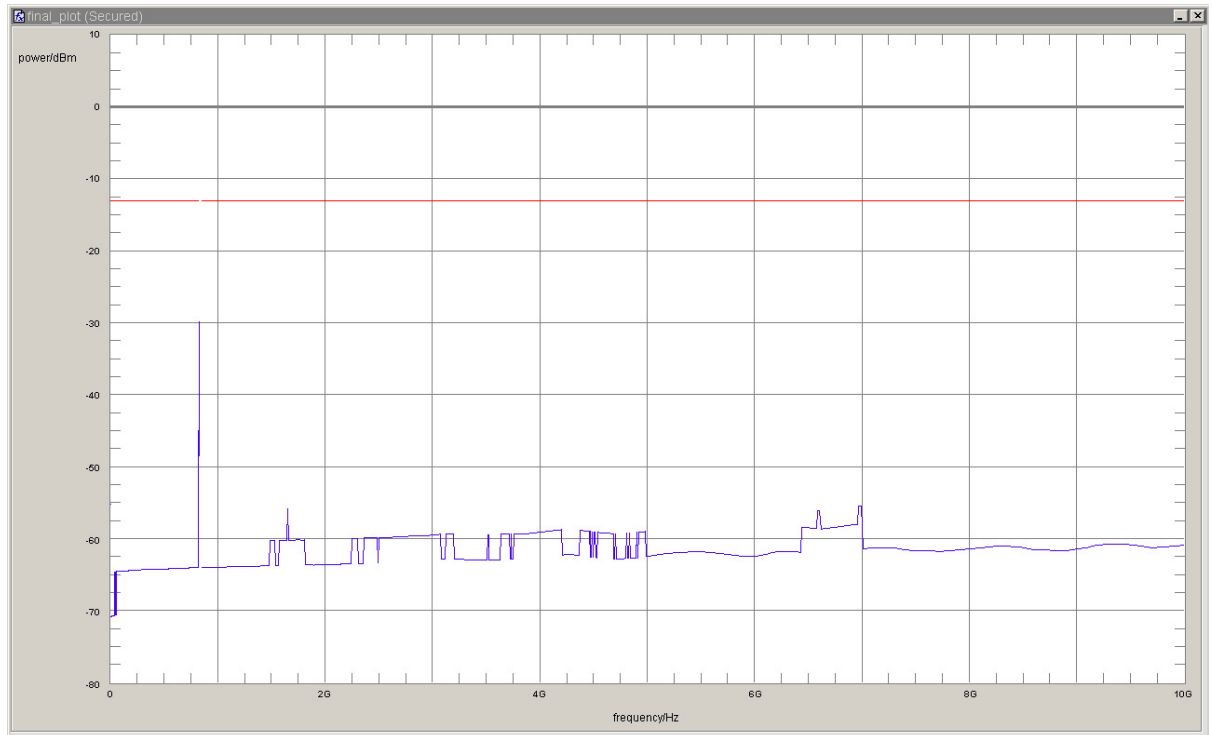
detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	100	822.80	-33.0	20.0	-13.0	passed
rms	maxhold	50	823.99	-29.8	16.8	-13.0	passed

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
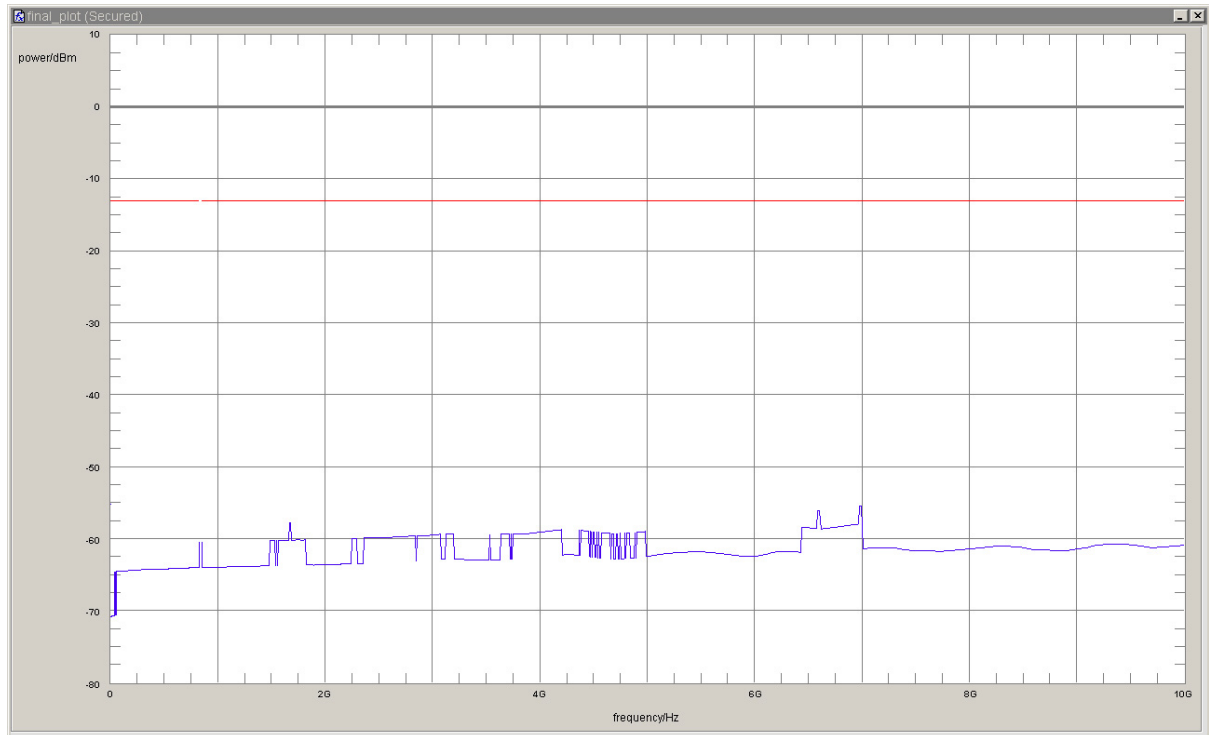
Result: Passed

Setup No.:   B01_direct

Date of Test: 2011/08/19 22:25

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

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

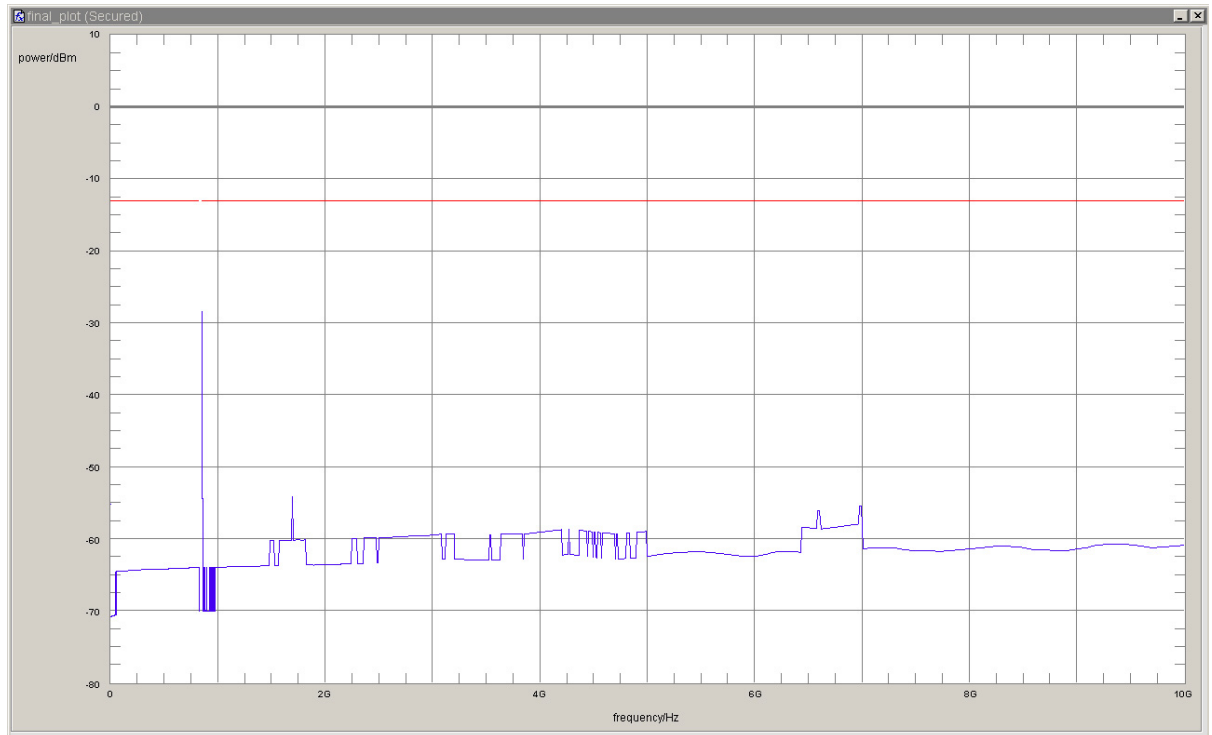*Setup No.:*   B01_direct

Date of Test: 2011/08/19 22:32

Body: FCC47CFRChIPART22PUBLIC MOBILE SERVICES

Test Specification: FCC part 2 and 22

Reference: MDE_CINTE_1107_FCCb

acc. Title 47 CFR chapter I part 22 subpart H

Detailed Results:

detector	trace	resolution bandwidth /kHz	frequency /MHz	peak value /dBm	margin to limit /dB	limit /dBm	verdict
rms	maxhold	50	849.05	-28.3	15.3	-13.0	passed
rms	maxhold	100	850.18	-30.6	17.6	-13.0	passed

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